



# 行動通信終端設備檢驗報告

根據

國家通訊傳播委員會電信技術規範【PLMN01】行動電話機檢驗項目

產品名稱：Neo 1973

廠牌：FIC

型號：GTA02

申請廠商：大眾電腦股份有限公司

- 此份試驗報告僅針對保留於本實驗室的試驗樣品有效。
- 未獲本公司書面允許，證書或報告不得節錄複製。

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## 1. 一般資料

### 1.1 申請廠商

大眾電腦股份有限公司  
台北市內湖區陽光街300號1至9樓

### 1.2 製造廠商

大眾電腦(蘇州)有限公司  
蘇州市工業園區蘇虹中路 200 號出口加工區

### 1.3 測試方法及依據

電信技術規範【PLMN01】94年12月21日修訂版

### 1.4 待測設備之基本敘述

<b>EUT Name</b>		Neo 1973
<b>Brand Name</b>		FIC
<b>Model Name</b>		GTA02
<b>AC Adapter</b>	<b>Manufacture</b>	AKII TECHNOLOGY CO., LTD.
	<b>Brand Name</b>	AKII Technology
	<b>Model Name</b>	A10P1-05MP
	<b>Power Rating</b>	I/P:100-240 Vac, 47-63 Hz, 0.3A; O/P: 5Vdc, 2.0A
	<b>AC Power Cord Type</b>	1.5 meter non-shielded cable without ferrite core
<b>Battery</b>	<b>Manufacture</b>	WELLDONE COMPANY
	<b>Brand Name</b>	FIC
	<b>Model Name</b>	GTC-01 / GTA-01
	<b>Rating</b>	3.7Vdc, 1200mAh
	<b>Type</b>	Li-ion
<b>Earphone</b>	<b>Brand Name</b>	Xport
	<b>Model Name</b>	Ko-11-1020a
	<b>Type</b>	1.42 meter non-shielded cable without ferrite core
<b>USB Cable</b>	<b>Brand Name</b>	Golden Bridge
	<b>Model Name</b>	AS52-0607007
	<b>Type</b>	1.29 meter non-shielded cable without ferrite core

Remark: Above EUT's information was declared by manufacturer. Please refer to the specifications of manufacturer or User's Manual for more detailed features description.



1.5 待測設備樣品特性與規格重點敘述

Specifications	
DUT Type :	Neo 1973
Brand Name :	FIC
Model Name :	GTA02
Tx Frequency :	GSM900 : 890-915MHz DCS1800 : 1710-1785MHz PCS1900 : 1850 ~1910MHz Bluetooth / Bluetooth EDR : 2400-2483.5MHz 802.11b / 802.11g : 2400-2483.5MHz GPS : 1575.42MHz
Rx Frequency :	GSM900 : 935-960MHz DCS1800 : 1805-1880MHz PCS1900 : 1930 ~ 1990 MHz Bluetooth / Bluetooth EDR : 2400-2483.5MHz 802.11b / 802.11g : 2400-2483.5MHz GPS : 1575.42MHz
Number of Channels :	Bluetooth / Bluetooth EDR: 79 Channels WLAN: 11 Channels
Carrier Frequency of Each Channel :	Bluetooth / Bluetooth ED: 2402+n x 1 MHz; n = 0~78 802.11b / 802.11g: 2412+(n-1) x 5 MHz; n = 1~11
Data Rate / Channel Spacing :	Bluetooth: 1Mbps Bluetooth EDR: 2/3Mbps 802.11b: 1/2/5/11Mbps 802.11g: 6/12/18/24/32/48/54Mmps
Antenna Connector :	GSM900 / DCS1800 / PCS1900: Coaxial Connector Bluetooth / Bluetooth EDR: NA 802.11b: Coaxial Connector 802.11g: Coaxial Connector GPS : Coaxial Connector
Antenna Type :	GSM900 / DCS1800 / PCS1900: Monopole Antenna Bluetooth / Bluetooth EDR: Chip Antenna 802.11b / 802.11g: Chip Antenna GPS : Ceramic Antenna
Antenna Gain :	GSM900 / DCS1800 / PCS1900: 0.07 dBi Bluetooth / Bluetooth EDR: -4.84 dBi 802.11b / 802.11g: -3 dBi GPS: 0.5 dBi
IMEI Code :	35465100000010
HW Version :	A5
SW Version :	Moko5
Maximum Output Power to Antenna :	GSM900: 31.80 dBm DCS1800:29.67 dBm PCS1900:29.27 dBm



Specifications			
	Bluetooth: 2.25 dBm (1Mbps) Bluetooth EDR: 2.4 dBm (2Mbps) Bluetooth EDR: 2.53 dBm (3Mbps) 802.11b: 14.02 dBm 802.11g: 14.89 dBm		
<b>Digital Modulation Emission :</b>	GSM900 / DCS1800 / PCS1900 : 300KGXW Bluetooth / Bluetooth EDR : FHSS 802.11b: DSSS 802.11g: OFDM		
<b>Type of Modulation :</b>	GSM900 / DCS1800 / PCS1900 : GMSK Bluetooth : GFSK Bluetooth EDR : $\pi/4$ -DQPSK, 8-DPSK 802.11b: DBPSK, DQPSK, CCK 802.11g: BPSK, QPSK, 16QAM, 64QAM		
<b>DUT Stage :</b>	Identical Prototype		
<b>Function Type :</b>	Transmitter		Transceiver V



## 1.6 測試模式

### GSM900:

此測試共有3個測試模式:

模式一: 頻道1(低頻道)

模式二: 頻道62(中間頻道)

模式三: 頻道124(高頻道)

### DCS1800:

此測試共有3個測試模式:

模式一: 頻道512(低頻道)

模式二: 頻道699(中間頻道)

模式三: 頻道885(高頻道)

## 2. 一般特性檢驗

### GSM 900：測試頻道 1 (890.2 MHz)

項次	檢驗項目	合格標準	檢驗數據	結果判定
1	工作頻帶 (n = 1 ~ 124)	Tx : 890 + n * 0.2 MHz	890.2 ~ 914.8 MHz	合格
		Rx : 935 + n * 0.2 MHz	935.2 ~ 959.8 MHz	
2	收發頻率間隔	45 MHz	45 MHz	合格
3	頻道間隔	200 kHz	200 kHz	合格
4	最大發射輸出功率	39dBm(Class 2) 37dBm(Class 3) 33dBm(Class 4) 29dBm(Class 5)	31.80 dBm (Class 4) 容許度：@ Level 5 ≤ ±2dB以內 叢訊功率時間關係圖參照5.1	合格
5	發射機頻率誤差	頻率誤差(Hz)：≤90 Hz	17 Hz 參照5.2	合格
6	發射射頻頻譜	偏移載波頻率在100~1800kHz內 調變頻譜(dB) 功率轉換瞬態(dBm) 限制值參照6.5及6.6	參照5.3	合格
		偏移載波頻率在100~1800kHz外 調變頻譜(dB)	參照5.4	
7	混附波輻射(dBm)	連線狀態時 限制值參照6.3	參照5.5	合格
		空間狀態時 限制值參照6.4	參照5.6	



**GSM 900：測試頻道 62 (902.4 MHz)**

項次	檢驗項目	合格標準	檢驗數據	結果判定
1	工作頻帶 (n = 1 ~ 124)	Tx : 890 + n * 0.2 MHz	890.2 ~ 914.8 MHz	合格
		Rx : 935 + n * 0.2 MHz	935.2 ~ 959.8 MHz	
2	收發頻率間隔	45 MHz	45 MHz	合格
3	頻道間隔	200 kHz	200 kHz	合格
4	最大發射輸出功率	39dBm(Class 2) 37dBm(Class 3) 33dBm(Class 4) 29dBm(Class 5)	31.59 dBm (Class 4) 容許度：@ Level 5 ≤ ±2dB以內 叢訊功率時間關係圖參照5.1	合格
5	發射機頻率誤差	頻率誤差(Hz)：≤90 Hz	15 Hz 參照5.2	合格
6	發射射頻頻譜	偏移載波頻率在100~1800kHz內 調變頻譜(dB) 功率轉換瞬態(dBm) 限制值參照6.5及6.6	參照5.3	合格
		偏移載波頻率在100~1800kHz外 調變頻譜(dB)	參照5.4	
7	混附波輻射(dBm)	連線狀態時 限制值參照6.3	參照5.5	合格
		空閒狀態時 限制值參照6.4	參照5.6	



**GSM 900：測試頻道124 (914.8MHz)**

項次	檢驗項目	合格標準	檢驗數據	結果判定
1	工作頻帶 (n = 1 ~ 124)	Tx : 890 + n * 0.2 MHz	890.2 ~ 914.8 MHz	合格
		Rx : 935 + n * 0.2 MHz	935.2 ~ 959.8 MHz	
2	收發頻率間隔	45 MHz	45 MHz	合格
3	頻道間隔	200 kHz	200 kHz	合格
4	最大發射輸出功率	39dBm(Class 2) 37dBm(Class 3) 33dBm(Class 4) 29dBm(Class 5)	31.42 dBm (Class 4) 容許度：@ Level 5 ≤ ±2dB以內 叢訊功率時間關係圖參照5.1	合格
5	發射機頻率誤差	頻率誤差(Hz)：≤90 Hz	-18 Hz 參照5.2	合格
6	發射射頻頻譜	偏移載波頻率在100~1800kHz內 調變頻譜(dB) 功率轉換瞬態(dBm) 限制值參照6.5及6.6	參照5.3	合格
		偏移載波頻率在100~1800kHz外 調變頻譜(dB)	參照5.4	
7	混附波輻射(dBm)	連線狀態時 限制值參照6.3	參照5.5	合格
		空閒狀態時 限制值參照6.4	參照5.6	



DCS 1800：測試頻道512 (1710.2MHz)

項次	檢驗項目	合格標準	檢驗數據	結果判定
1	工作頻帶 (n = 512 ~ 885)	Tx : 1710.2 + 0.2*(n - 512)MHz	1710.2 ~ 1784.8 MHz	合格
		Rx : 1805.2 + 0.2*(n - 512)MHz	1805.2 ~ 1879.8 MHz	
2	收發頻率間隔	95 MHz	95 MHz	合格
3	頻道間隔	200 kHz	200 kHz	合格
4	最大發射輸出功率	30dBm(Class 1) 24dBm(Class 2) 36dBm(Class 3)	29.67 dBm (Class 1) 容許度：@ Level 0 ≤ ±2dB以內 叢訊功率時間關係圖參照5.7	合格
5	發射機頻率誤差	頻率誤差(Hz)：≤ 180 Hz	31 Hz 參照5.8	合格
6	發射射頻頻譜	偏移載波頻率在100~1800kHz內 調變頻譜(dB) 功率轉換瞬態(dBm) 限制值參照6.5及6.6	參照5.9	合格
		偏移載波頻率在100~1800kHz外 調變頻譜(dB)	參照5.10	
7	混附波輻射(dBm)	連線狀態時 限制值參照6.3	參照5.11	合格
		空閒狀態時 限制值參照6.4	參照5.12	



DCS 1800：測試頻道699 (1747.6MHz)

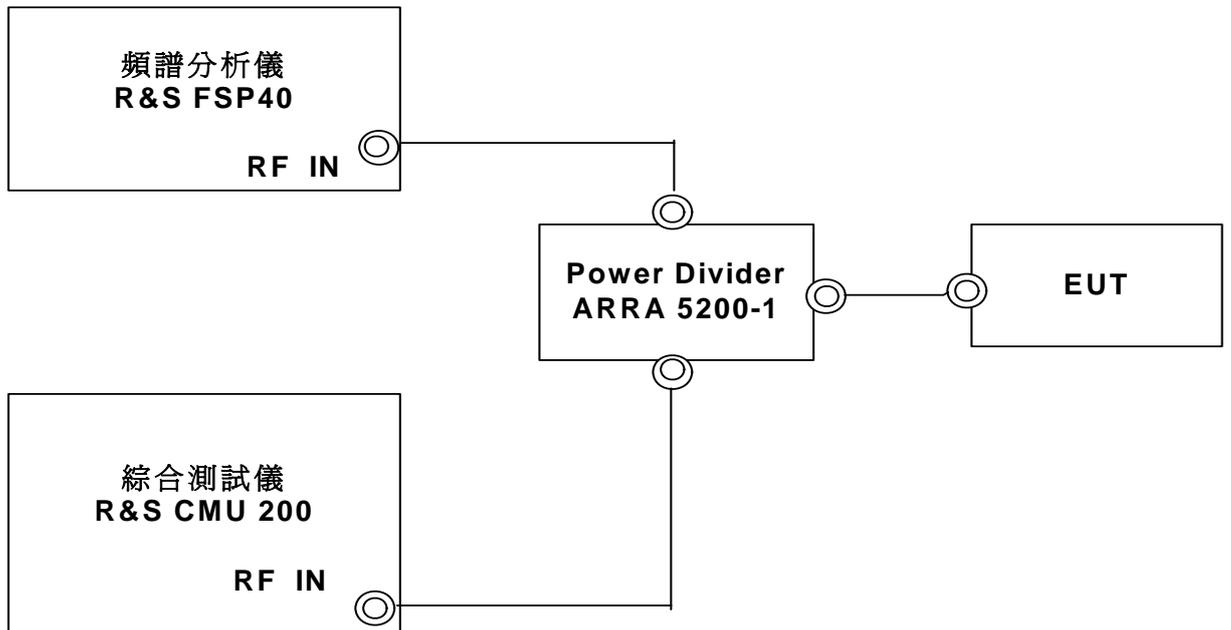
項次	檢驗項目	合格標準	檢驗數據	結果判定
1	工作頻帶 (n = 512 ~ 885)	Tx : 1710.2 + 0.2*(n - 512)MHz	1710.2 ~ 1784.8 MHz	合格
		Rx : 1805.2 + 0.2*(n - 512)MHz	1805.2 ~ 1879.8 MHz	
2	收發頻率間隔	95 MHz	95 MHz	合格
3	頻道間隔	200 kHz	200 kHz	合格
4	最大發射輸出功率	30dBm(Class 1) 24dBm(Class 2) 36dBm(Class 3)	29.07 dBm (Class 1) 容許度：@ Level 0 ≤ ±2dB以內 叢訊功率時間關係圖參照5.7	合格
5	發射機頻率誤差	頻率誤差(Hz)：≤180 Hz	47 Hz 參照5.8	合格
6	發射射頻頻譜	偏移載波頻率在100~1800kHz內 調變頻譜(dB) 功率轉換瞬態(dBm) 限制值參照6.5及6.6	參照5.9	合格
		偏移載波頻率在100~1800kHz外 調變頻譜(dB)	參照5.10	
7	混附波輻射(dBm)	連線狀態時 限制值參照6.3	參照5.11	合格
		空閒狀態時 限制值參照6.4	參照5.12	



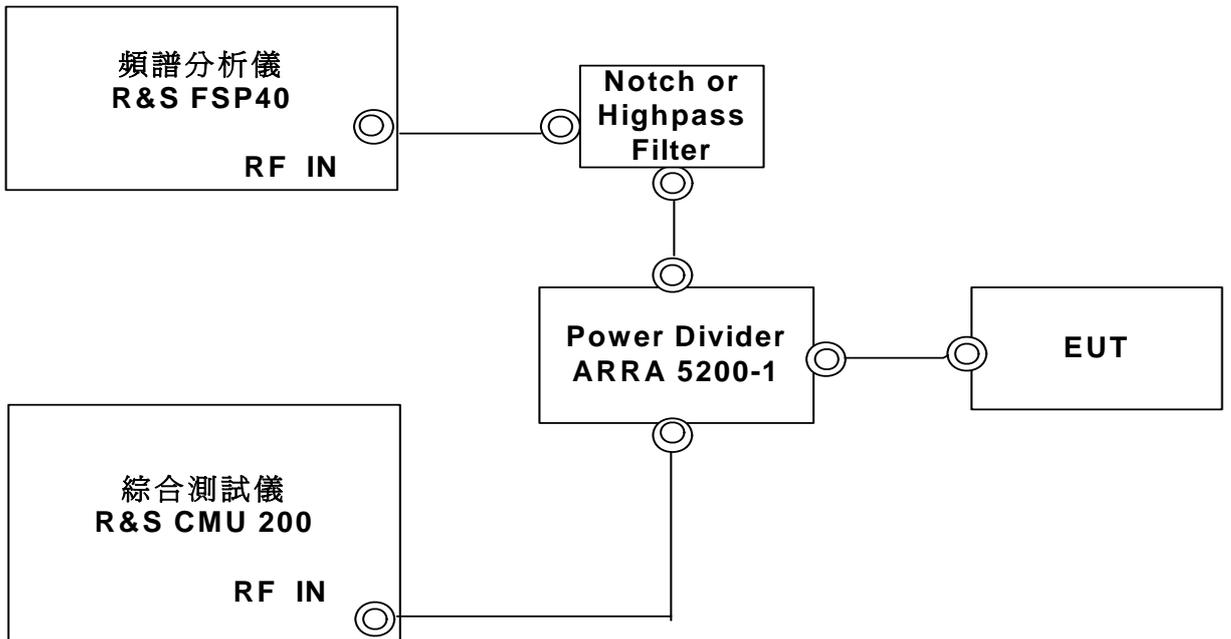
**DCS 1800：測試頻道885(1784.8MHz)**

項次	檢驗項目	合格標準	檢驗數據	結果判定
1	工作頻帶 (n = 512 ~ 885)	Tx : 1710.2 + 0.2*(n - 512)MHz	1710.2 ~ 1784.8 MHz	合格
		Rx : 1805.2 + 0.2*(n - 512)MHz	1805.2 ~ 1879.8 MHz	
2	收發頻率間隔	95 MHz	95 MHz	合格
3	頻道間隔	200 kHz	200 kHz	合格
4	最大發射輸出功率	30dBm(Class 1) 24dBm(Class 2) 36dBm(Class 3)	28.49 dBm (Class 1) 容許度：@ Level 0 ≤ ±2dB以內 叢訊功率時間關係圖參照5.7	合格
5	發射機頻率誤差	頻率誤差(Hz)：≤180 Hz	29 Hz 參照5.8	合格
6	發射射頻頻譜	偏移載波頻率在100~1800kHz內 調變頻譜(dB) 功率轉換瞬態(dBm) 限制值參照6.5及6.6	參照5.9	合格
		偏移載波頻率在100~1800kHz外 調變頻譜(dB)	參照5.10	
7	混附波輻射(dBm)	連線狀態時 限制值參照6.3	參照5.11	合格
		空閒狀態時 限制值參照6.4	參照5.12	

### 3. 檢驗接續圖



一般特性接續圖



混附波輻射接續圖

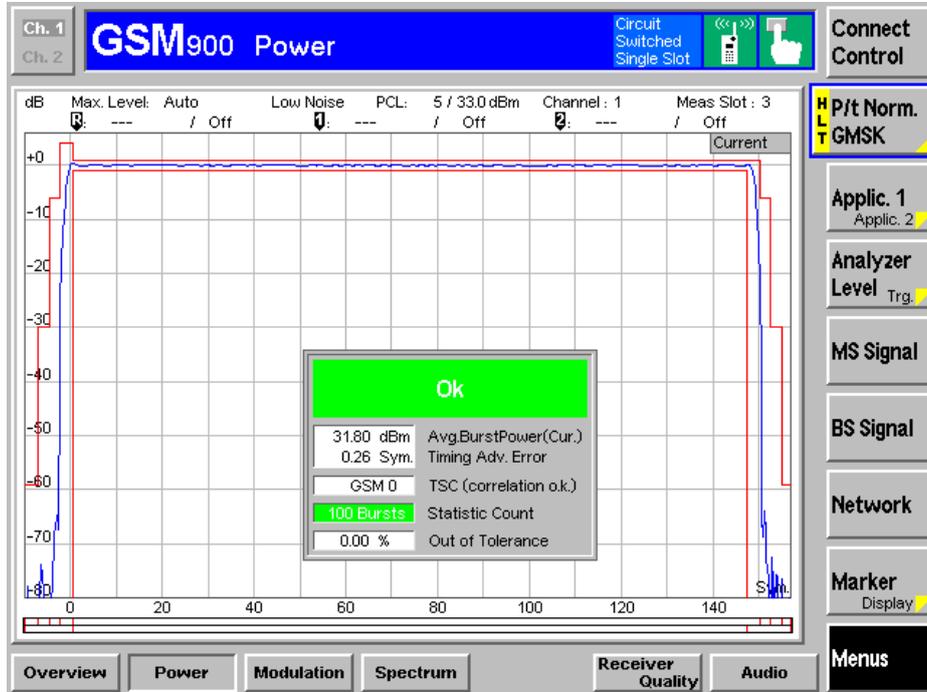


#### 4. 檢驗使用儀器

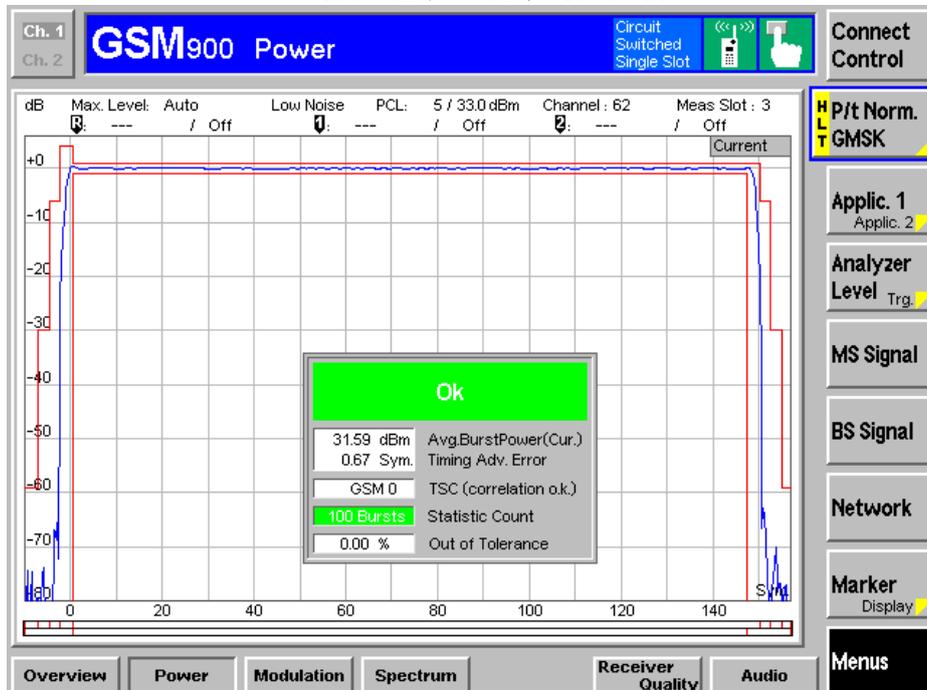
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
Thermal Chamber	Tenyi technology	TTH-D35P	TBN-930701	N/A	Aug. 02, 2007	Aug. 01, 2008	Conduction (TH02-HY)
Spectrum	R&S	FSP40	100055	9KHz~40GHz	Jun. 25, 2007	Jun. 24, 2008	Conduction (TH02-HY)
Bluetooth Test	ANRITSU	MT8852A	6K00003939	N/A	N/A	N/A	Conduction (TH02-HY)
Power Divider	ARRA	5200-1	3871	N/A	Oct. 01, 2007	Sep. 30, 2008	Conduction (TH02-HY)
DC Power Supply	TOPWARD	3303D	740889	N/A	May 25, 2007	May 24, 2009	Conduction (TH02-HY)
Power Meter	Agilent	E4416A	GB41292344	N/A	Feb. 08, 2007	Feb. 07, 2008	Conduction (TH02-HY)
Power Sensor	Agilent	E9327A	US40441548	N/A	Feb. 08, 2007	Feb. 07, 2008	Conduction (TH02-HY)
Spectrum Analyzer	Agilent	E4408B	MY44211028	9KHz-26.5GHz	Jul. 27, 2006	Jul. 26, 2008	Radiation (05CH02-HY)
Bilog Antenna	SCHAFFNER	CBL6112B	2892	25MHz -2GHz	Jul. 20, 2006	Jul. 19, 2008	Radiation (05CH02-HY)
Double Ridge Horn Antenna	Com-Power	AH118	071027	1G-18G	Apr. 14, 2007	Apr. 13, 2009	Radiation (05CH02-HY)
Double Ridge Horn Antenna	Training Research	AF-0801	95119	8G~18G	Nov. 27, 2006	Nov. 26, 2008	Radiation (05CH02-HY)
Amplifier	Mini Circuit	ZKL-2	D072104	30~2000MHz	Nov. 10, 2007	Nov. 09, 2008	Radiation (05CH02-HY)
DC Power Supply	Topward	3303D	740889	N/A	N/A	N/A	Radiation (05CH02-HY)
Base Station Simulator	R & S	CMU200	103937	Third-Band	Oct. 19, 2007	Oct. 17, 2008	Radiation (05CH02-HY)

## 5. 檢驗數據

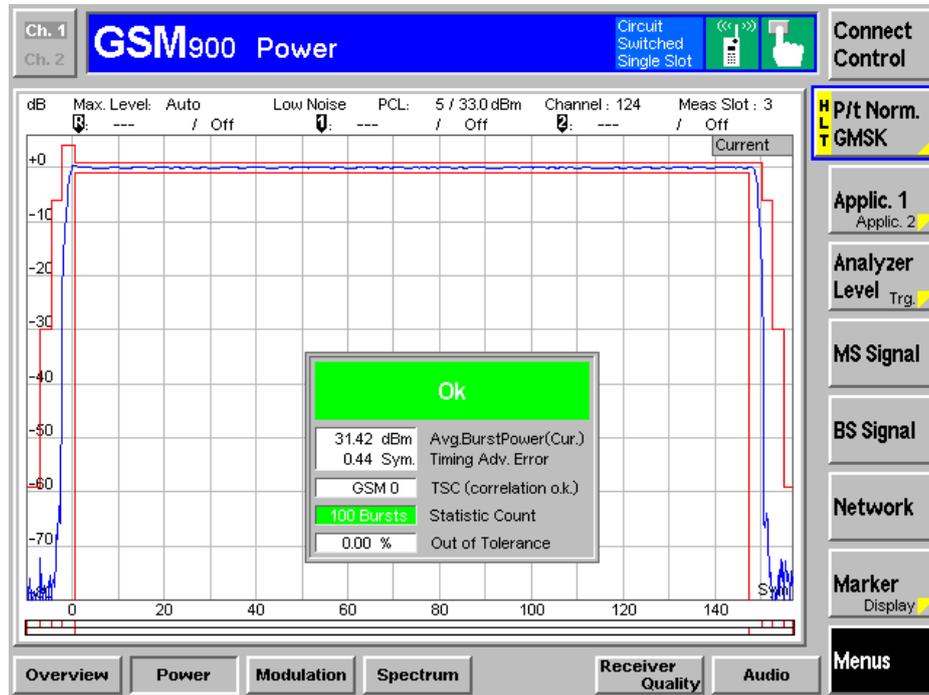
### 5.1 GSM 900 叢訊功率時間關係圖



圖一 低頻道叢訊功率時間關係圖

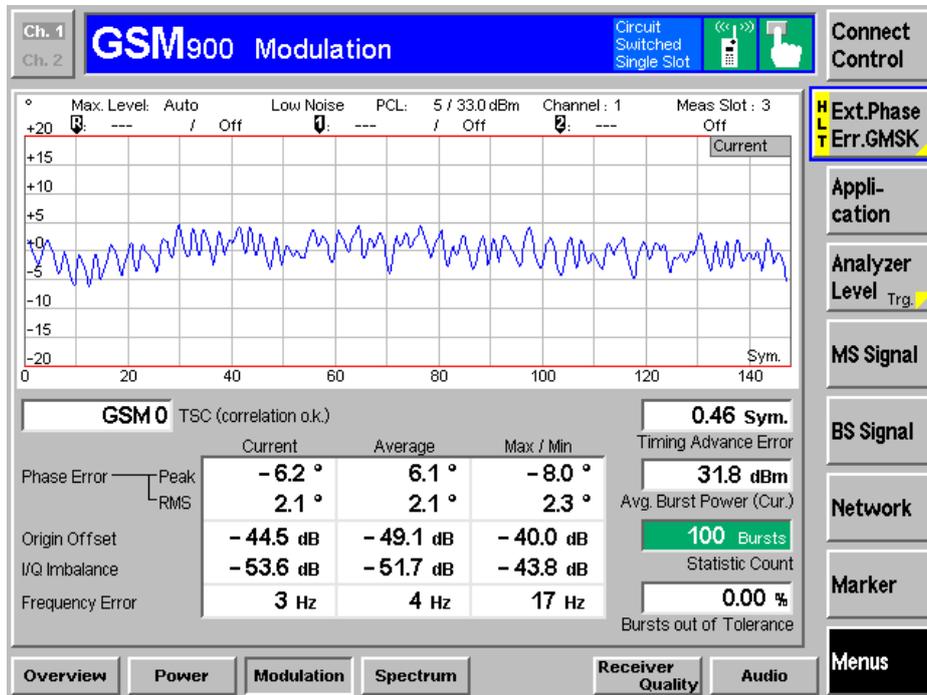


圖二 中間頻道叢訊功率時間關係圖

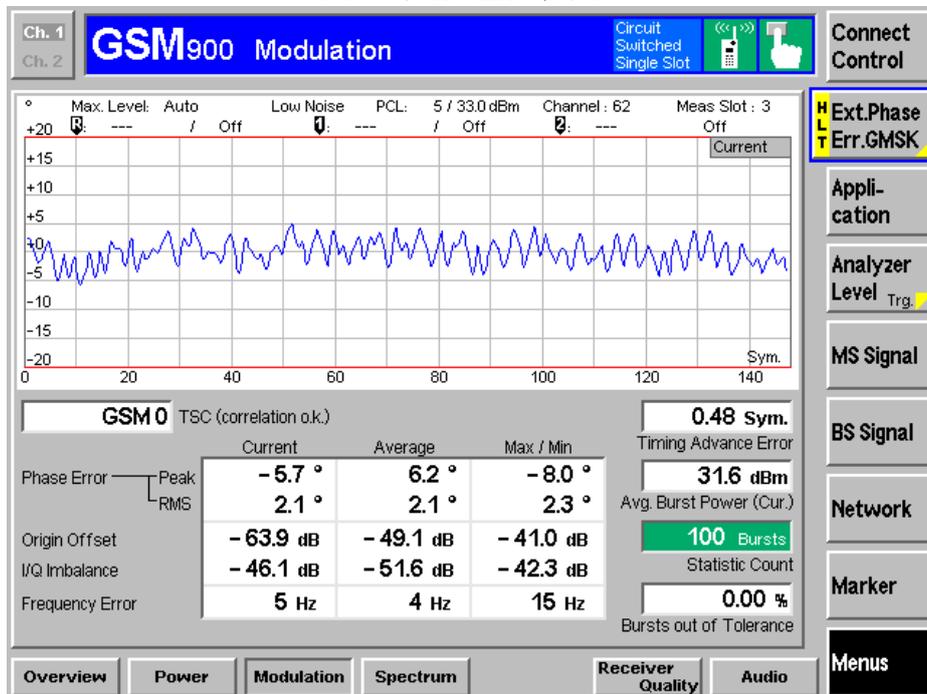


圖三 高頻道叢訊功率時間關係圖

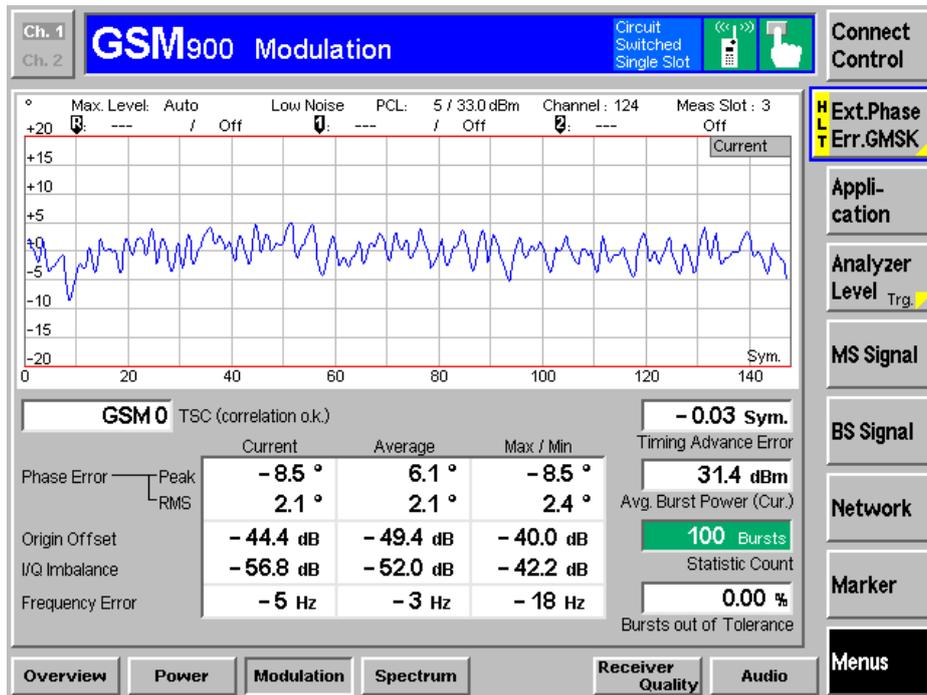
## 5.2 GSM 900 發射機頻率誤差



圖一 低頻道頻率誤差

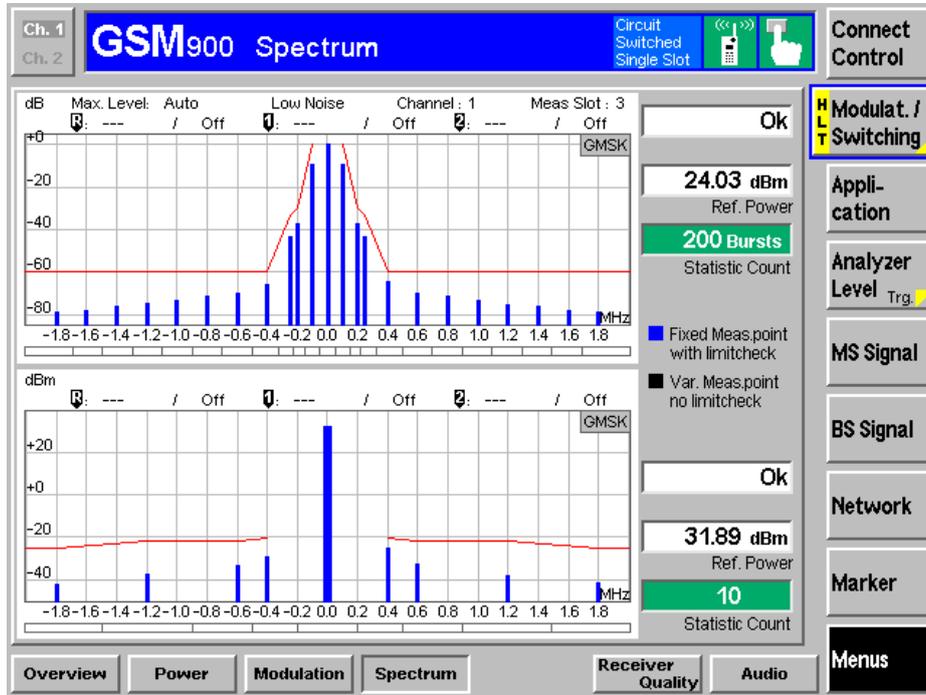


圖二 中間頻道頻率誤差

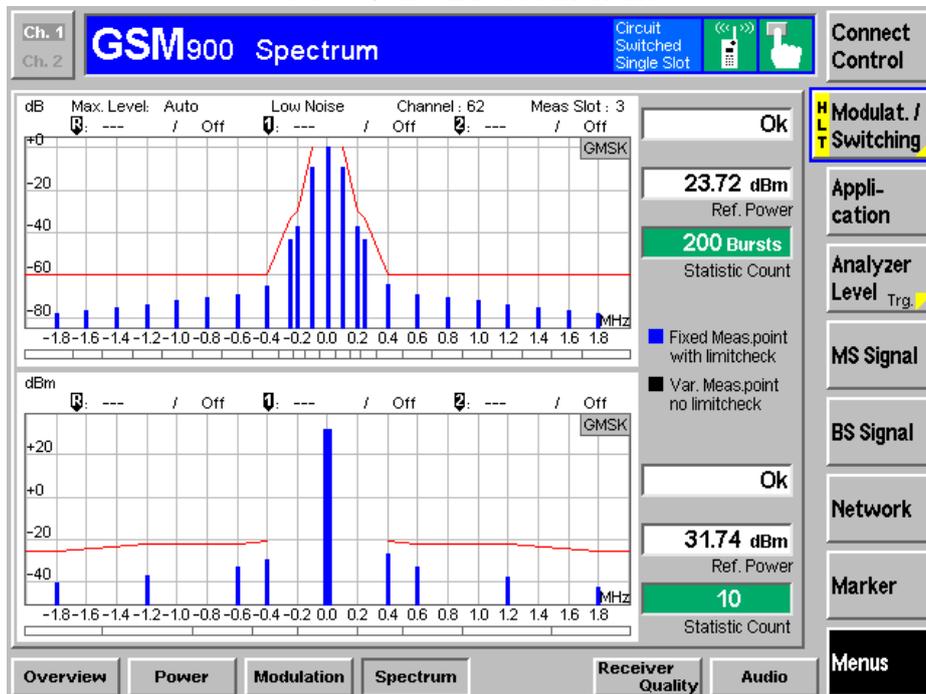


圖三 高頻道頻率誤差

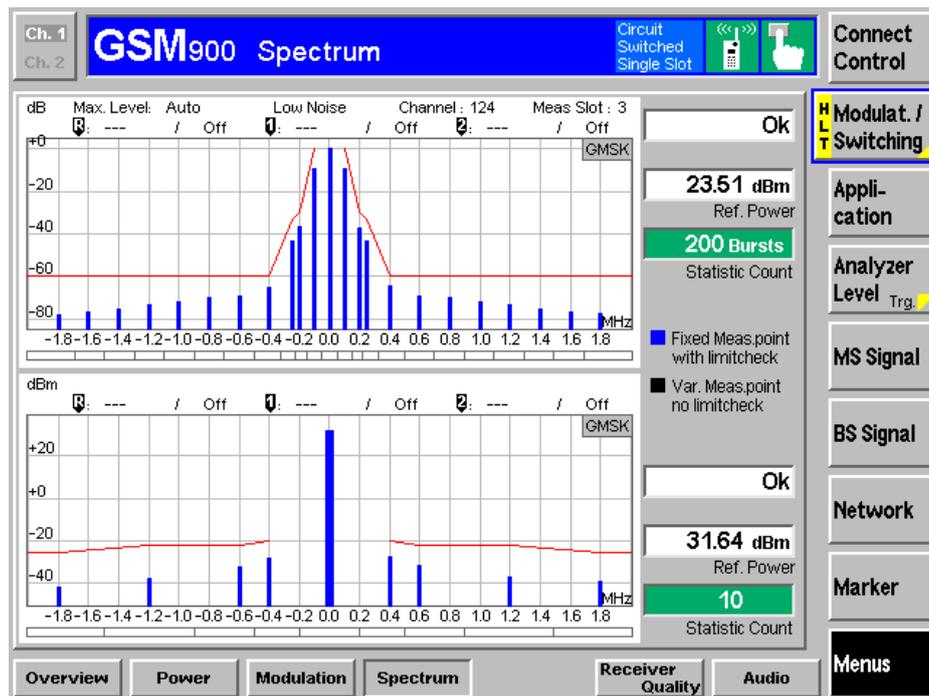
## 5.3 GSM 900 發射射頻頻譜(載波頻率在 100~1800kHz 以內)



圖一 低頻道發射射頻頻譜



圖二 中間頻道發射射頻頻譜



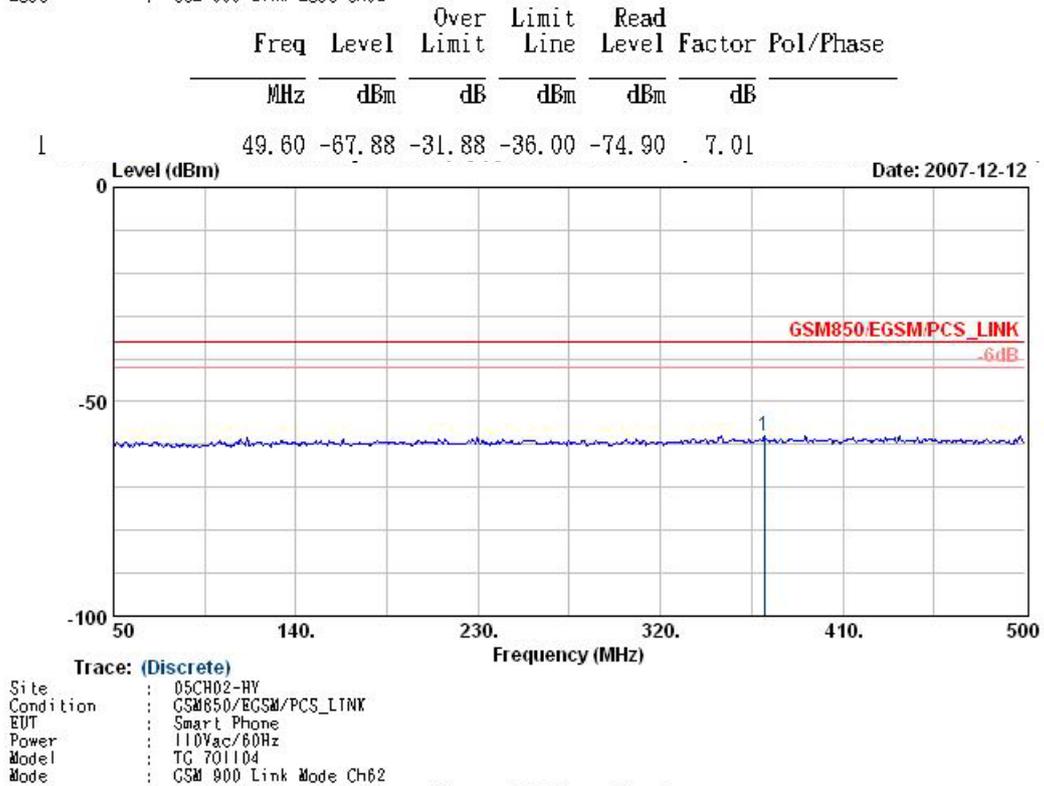
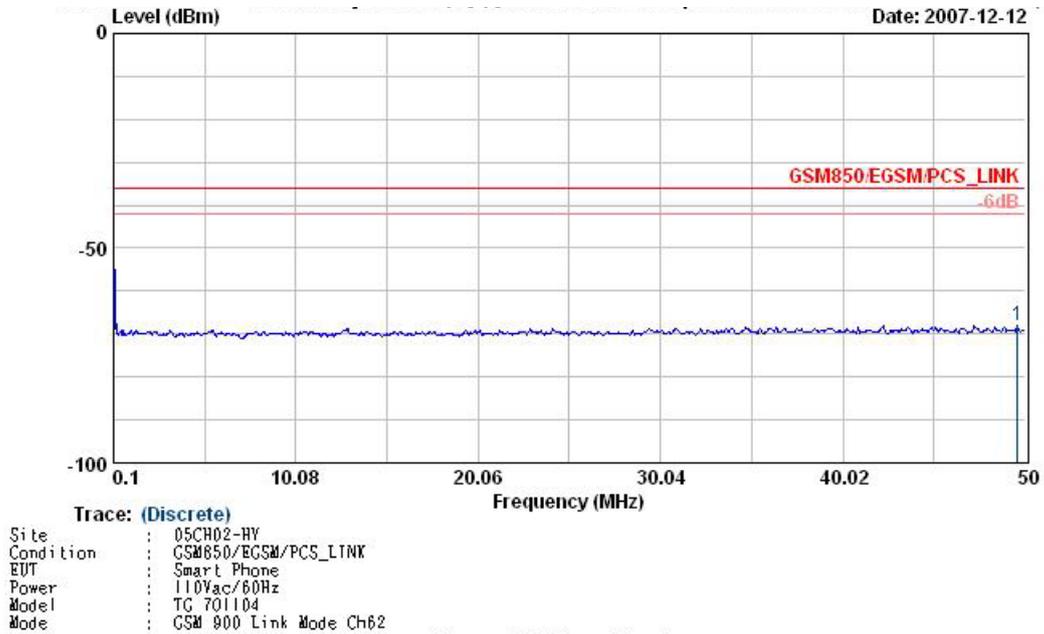
圖三 高頻道發射射頻頻譜

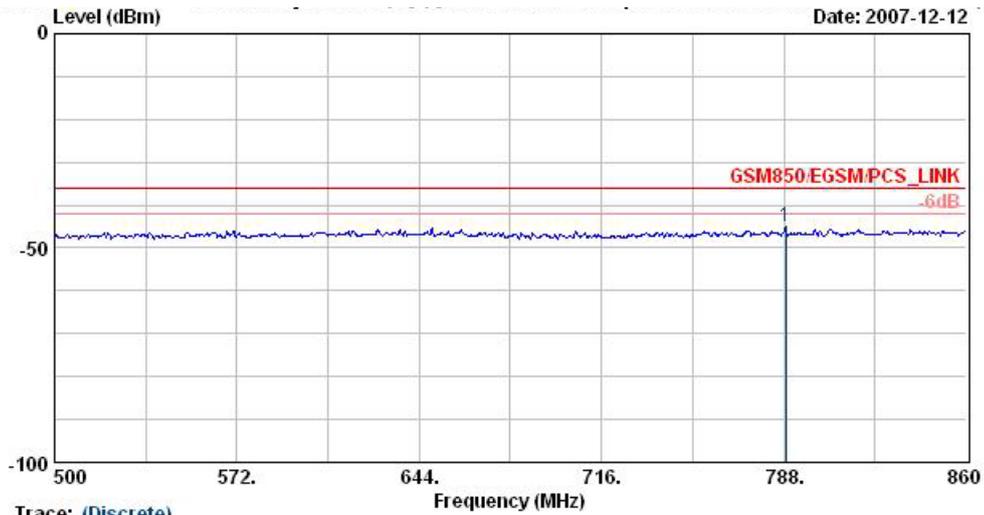
5.4 GSM 900 發射射頻頻譜(載波頻率在 100~1800kHz 以外)

GSM 900						
測試頻道	載波峰值	量測頻段		最大值	與載波差值	限制值
1	24.03	-1.8MHz	888.4	-52.65dBm	-76.68dBm	-63 dB
		1.8MHz	892.0	-51.65dBm	-75.68dBm	-63 dB
		-3.0MHz	887.2	-59.44dBm	-83.47dBm	-65 dB
		3.0MHz	893.2	-59.39dBm	-83.42dBm	-66 dB
		-6.0MHz	884.2	-62.00dBm	-86.03dBm	-71 dB
		6.0MHz	896.2	-62.86dBm	-86.89dBm	-71 dB
62	23.72	-1.8MHz	900.6	-52.08dBm	-75.80dBm	-63 dB
		1.8MHz	904.2	-51.75dBm	-75.47dBm	-63 dB
		-3.0MHz	899.4	-58.44dBm	-82.16dBm	-65 dB
		3.0MHz	905.4	-58.75dBm	-82.47dBm	-65 dB
		-6.0MHz	896.4	-63.20dBm	-86.92dBm	-71 dB
		6.0MHz	908.4	-62.86dBm	-86.58dBm	-71 dB
124	23.51	-1.8MHz	913.0	-51.41dBm	-74.92dBm	-63 dB
		1.8MHz	916.6	-51.38dBm	-74.89dBm	-63 dB
		-3.0MHz	911.8	-58.51dBm	-82.02dBm	-65 dB
		3.0MHz	917.8	-57.87dBm	-81.38dBm	-65 dB
		-6.0MHz	908.8	-63.20dBm	-86.71dBm	-71 dB
		6.0MHz	920.8	-63.16dBm	-86.67dBm	-71 dB



### 5.5 GSM 900 混附波輻射連線狀態

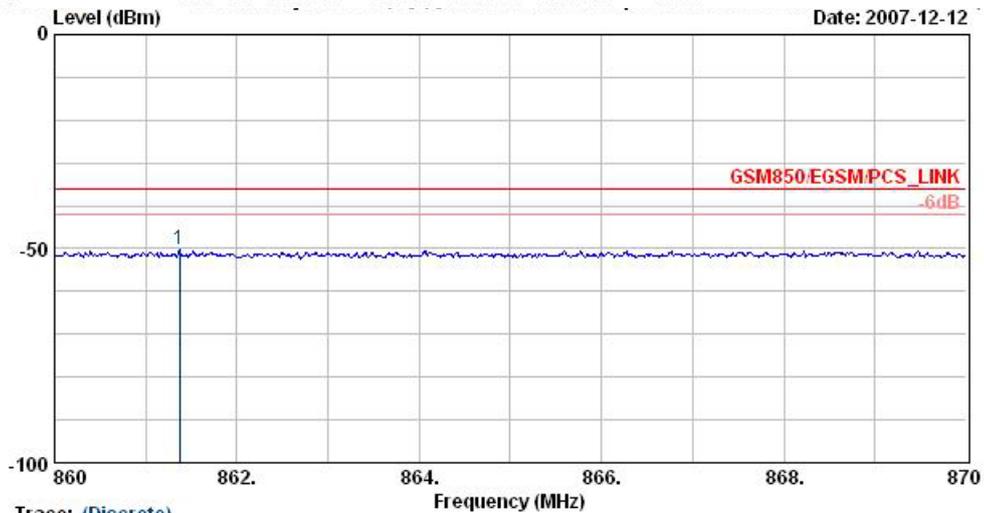




Trace: (Discrete)  
 Site : 05CH02-RY  
 Condition : GSM850/EGSM/PCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TC 701104  
 Mode : GSM 900 Link Mode Ch62

Over	Limit	Read
Freq	Level	Level
MHz	dBm	dBm

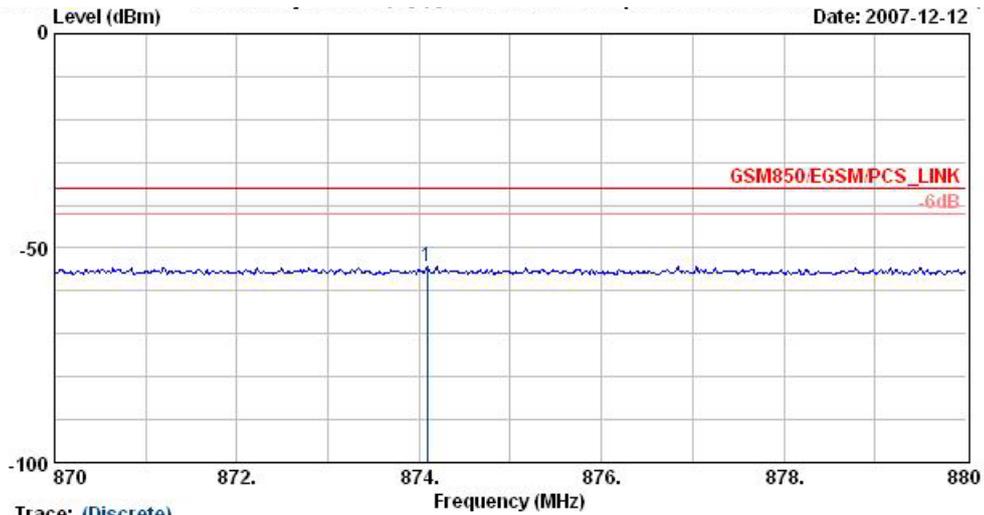
1 @	788.72	-45.14	-9.14	-36.00	-52.14	7.00
-----	--------	--------	-------	--------	--------	------



Trace: (Discrete)  
 Site : 05CH02-RY  
 Condition : GSM850/EGSM/PCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TC 701104  
 Mode : GSM 900 Link Mode Ch62

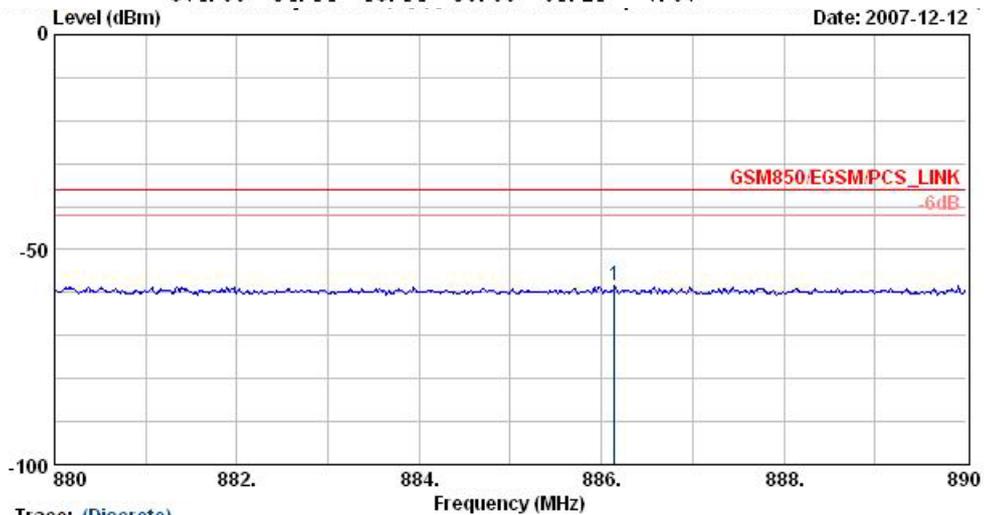
Over	Limit	Read
Freq	Level	Level
MHz	dBm	dBm

1	861.37	-50.25	-14.25	-36.00	-57.31	7.06
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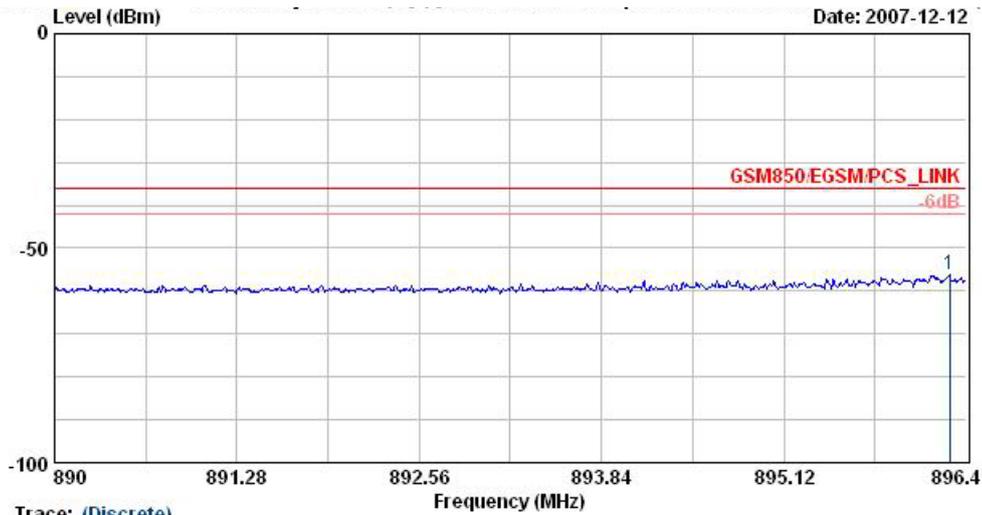
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : GSM850/EGSM/PCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : GSM 900 Link Mode Ch62

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1	874.09	-54.14	-18.14	-36.00	-61.21	7.07	



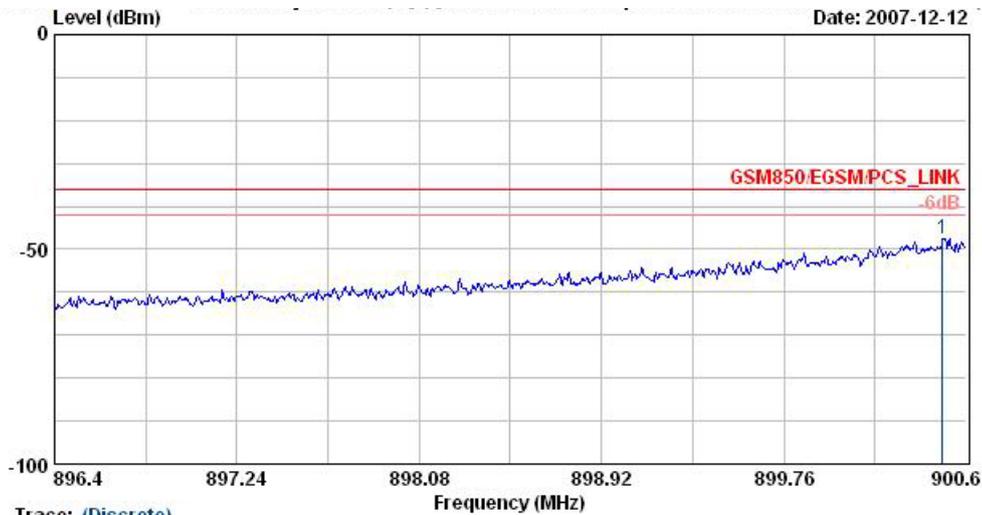
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : GSM850/EGSM/PCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : GSM 900 Link Mode Ch62

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1	886.14	-58.42	-22.42	-36.00	-65.50	7.08	



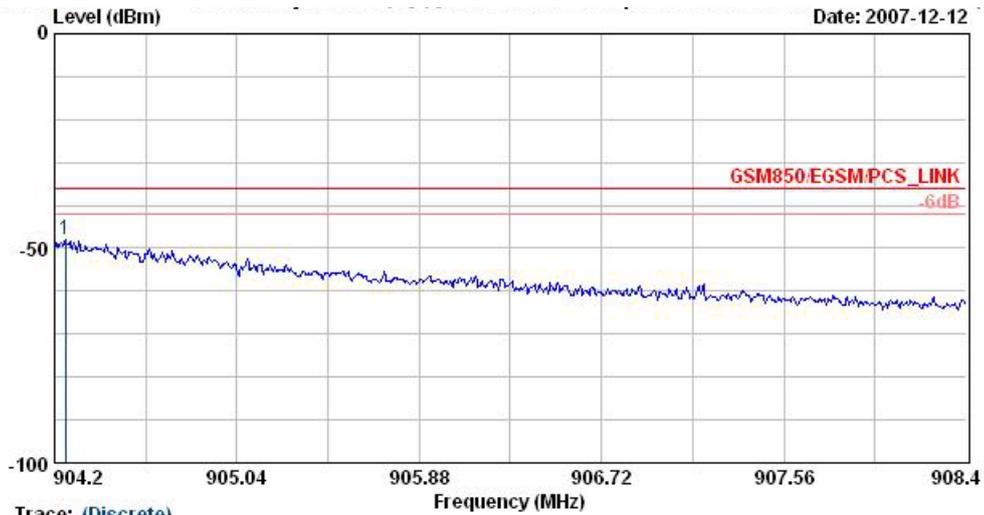
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : GSM850/EGSM/PCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : GSM 900 Link Mode Ch62

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1	896.28	-56.12	-20.12	-36.00	-63.21	7.09	



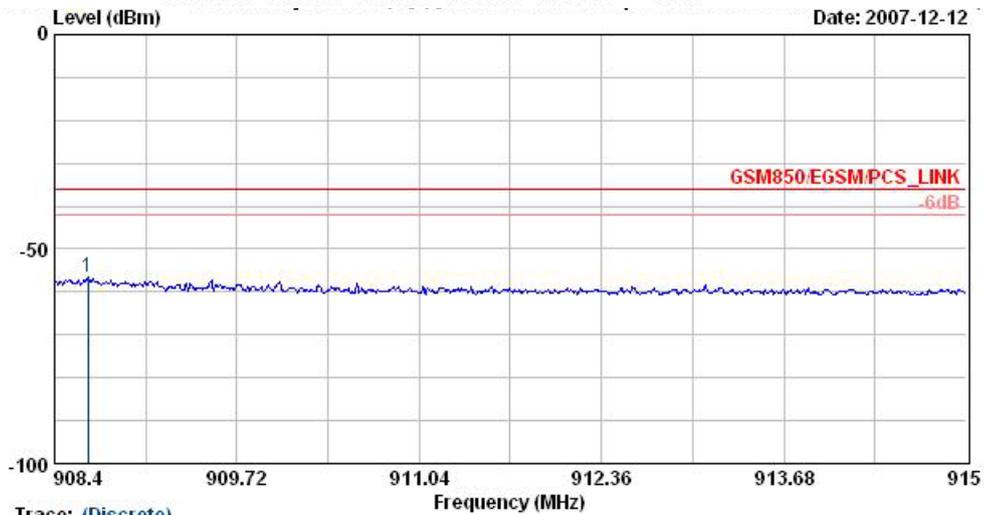
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : GSM850/EGSM/PCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : GSM 900 Link Mode Ch62

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1	900.49	-47.53	-11.53	-36.00	-54.62	7.09	



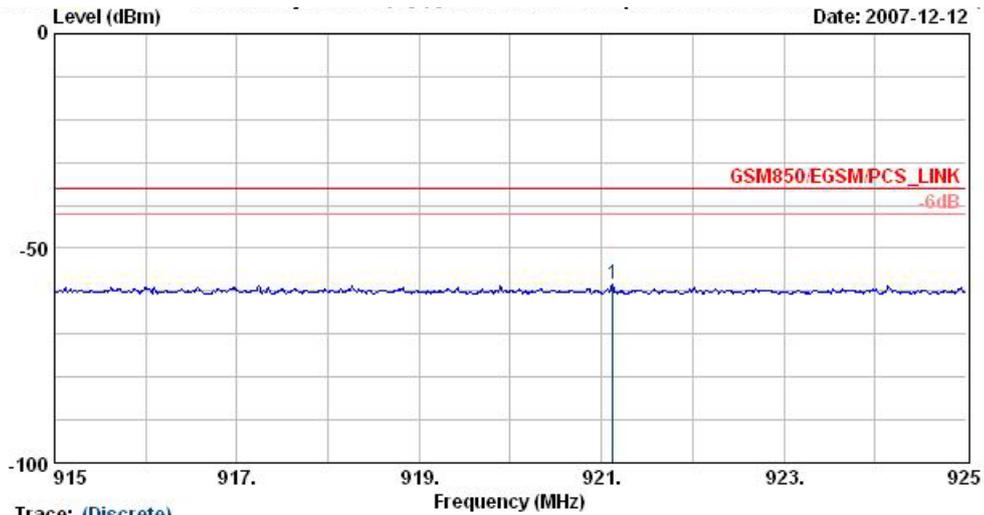
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : GSM850/EGSM/PCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TC 701104  
 Mode : GSM 900 Link Mode Ch62

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1	904.25	-48.07	-12.07	-36.00	-55.16	7.10	



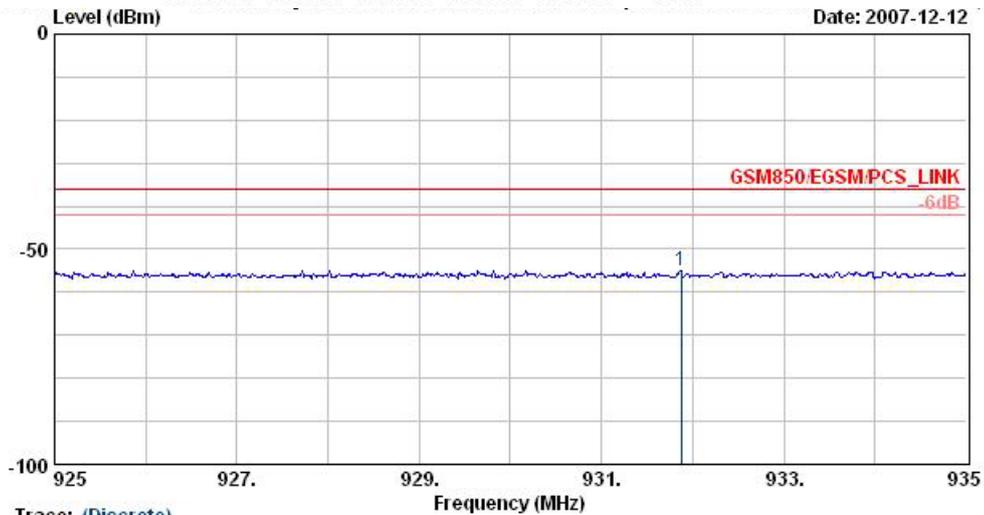
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : GSM850/EGSM/PCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TC 701104  
 Mode : GSM 900 Link Mode Ch62

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1	908.64	-56.56	-20.56	-36.00	-63.66	7.10	



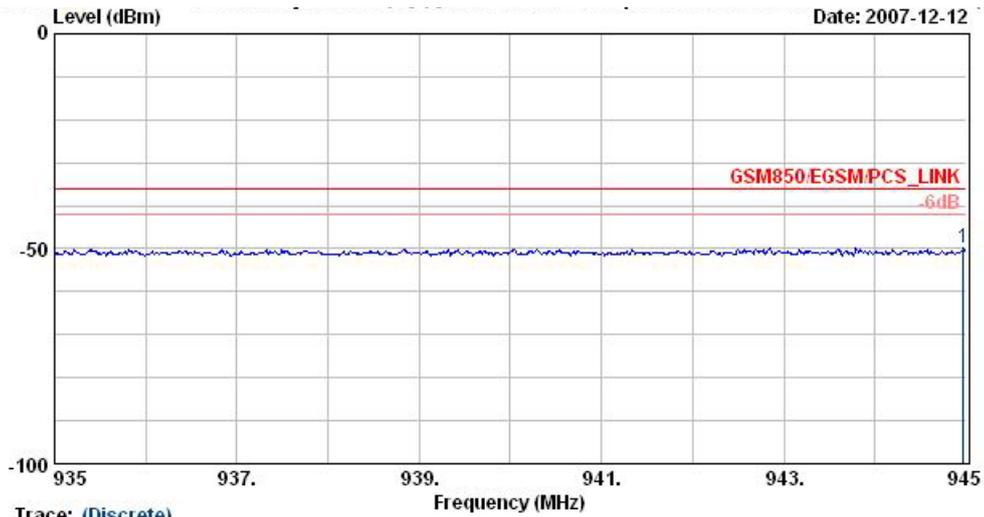
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : GSM850/EGSM/PCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TC 701104  
 Mode : GSM 900 Link Mode Ch62

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1	921.12	-58.47	-22.47	-36.00	-65.57	7.10	



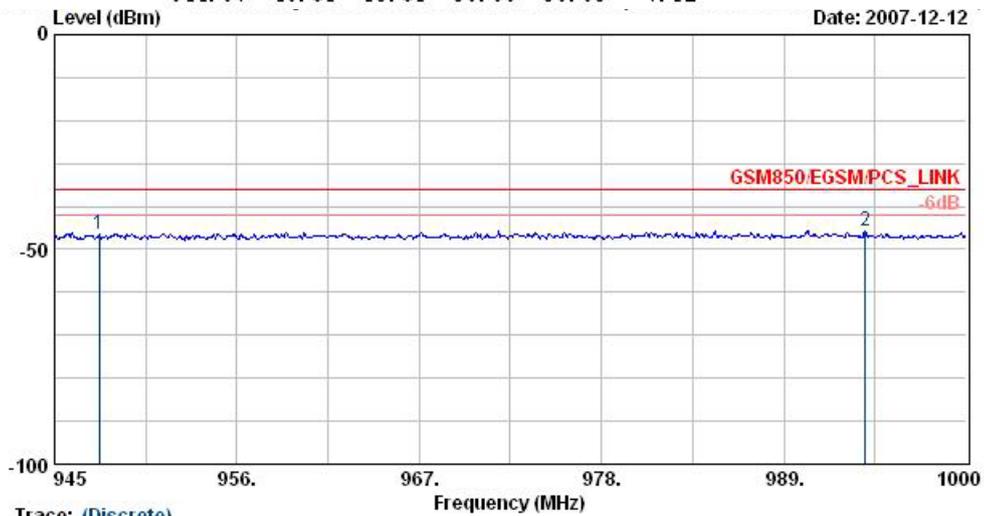
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : GSM850/EGSM/PCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TC 701104  
 Mode : GSM 900 Link Mode Ch62

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1	931.87	-54.93	-18.93	-36.00	-62.04	7.11	



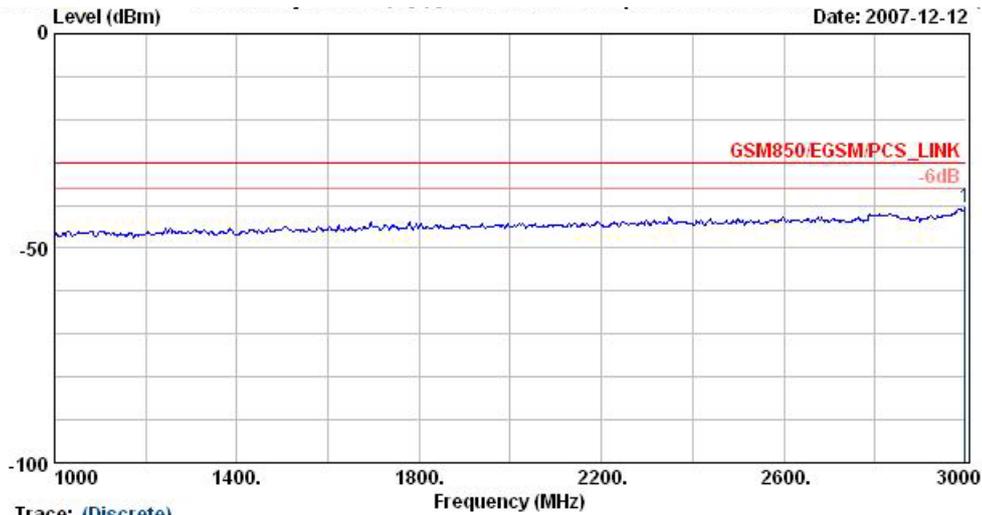
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : GSM850/EGSM/PCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TC 701104  
 Mode : GSM 900 Link Mode Ch62

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1	944.97	-49.81	-13.81	-36.00	-56.93	7.12	



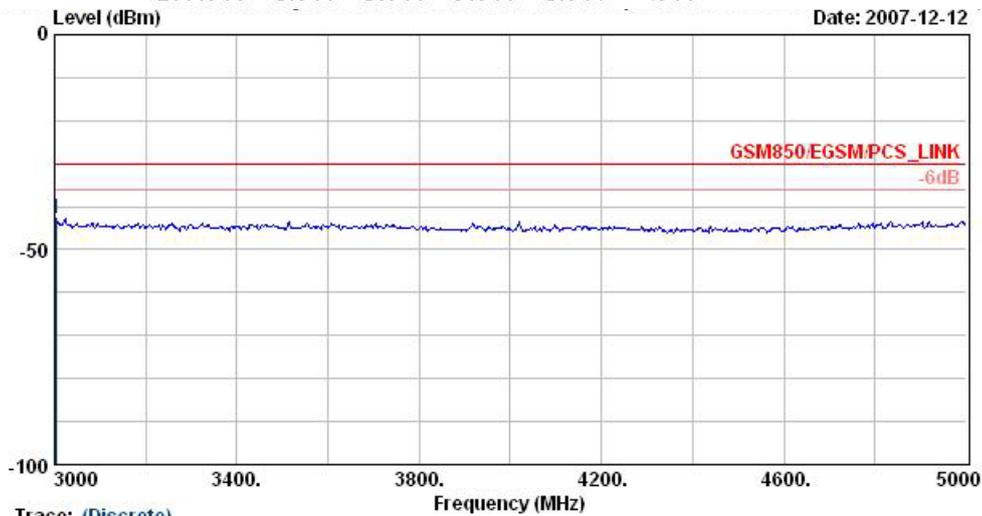
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : GSM850/EGSM/PCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TC 701104  
 Mode : GSM 900 Link Mode Ch62

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1	947.70	-46.60	-10.60	-36.00	-53.72	7.12	
2 @	993.90	-45.74	-9.74	-36.00	-52.87	7.13	



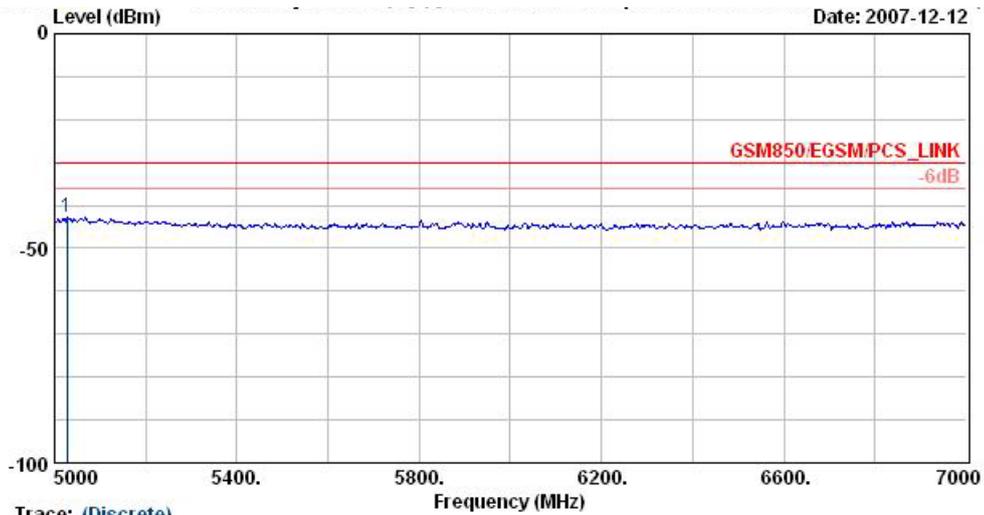
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : GSM850/EGSM/PCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TC 701104  
 Mode : GSM 900 Link Mode Ch62

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1	2998.00	-40.68	-10.68	-30.00	-48.67	7.99	



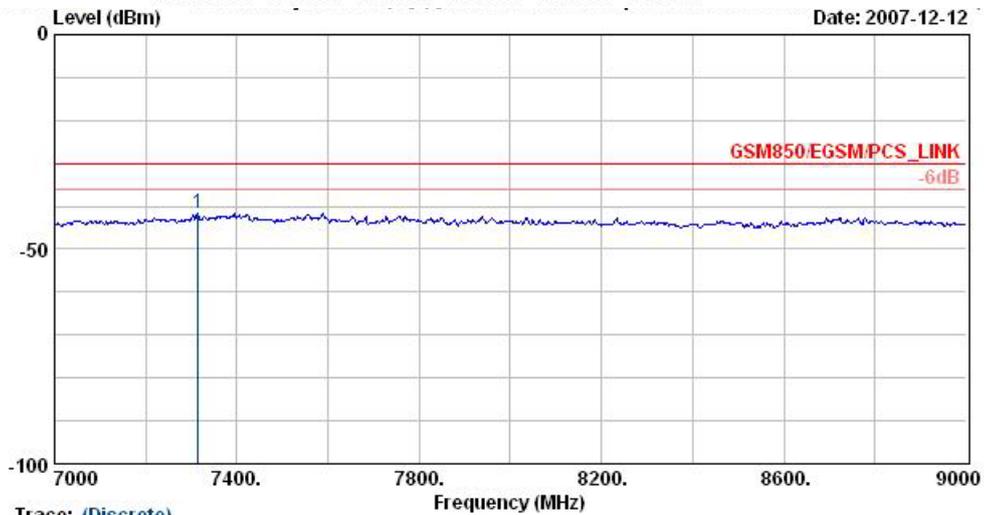
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : GSM850/EGSM/PCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TC 701104  
 Mode : GSM 900 Link Mode Ch62

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1	3004.00	-42.85	-12.85	-30.00	-50.84	7.99	



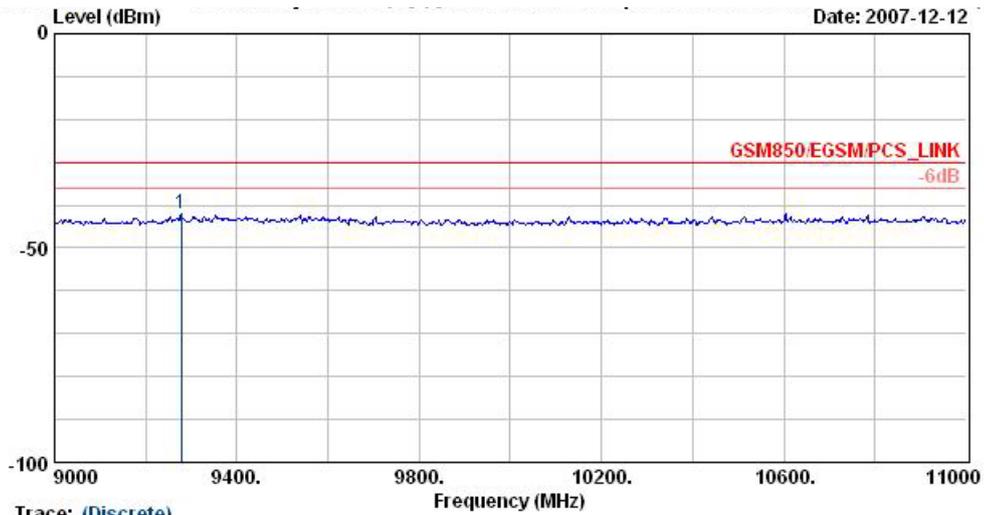
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : GSM850/EGSM/PCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : GSM 900 Link Mode Ch62

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Pol/Phase
1	5028.00	-42.84	-12.84	-30.00	-52.99	10.15	



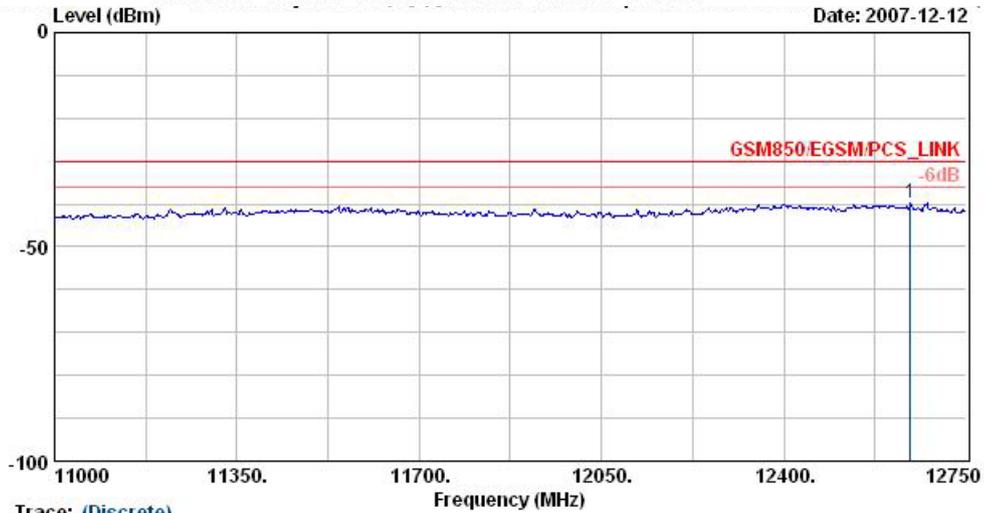
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : GSM850/EGSM/PCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : GSM 900 Link Mode Ch62

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Pol/Phase
1	7314.00	-41.57	-11.57	-30.00	-51.11	9.54	



Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : GSM850/EGSM/PCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TC 701104  
 Mode : GSM 900 Link Mode Ch62

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1	9278.00	-41.92	-11.92	-30.00	-52.03	10.11	

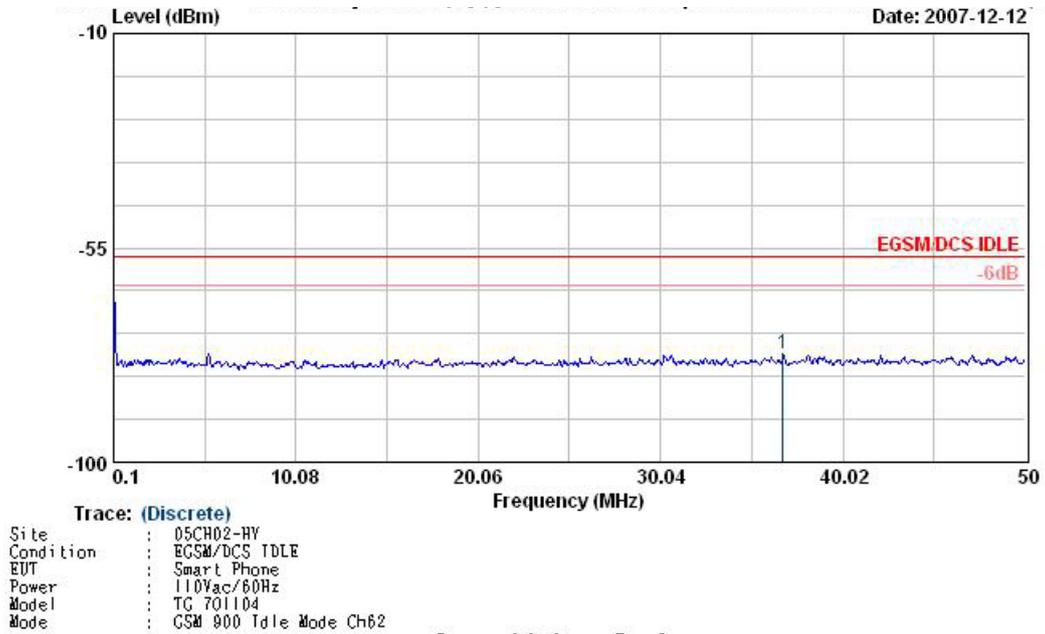


Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : GSM850/EGSM/PCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TC 701104  
 Mode : GSM 900 Link Mode Ch62

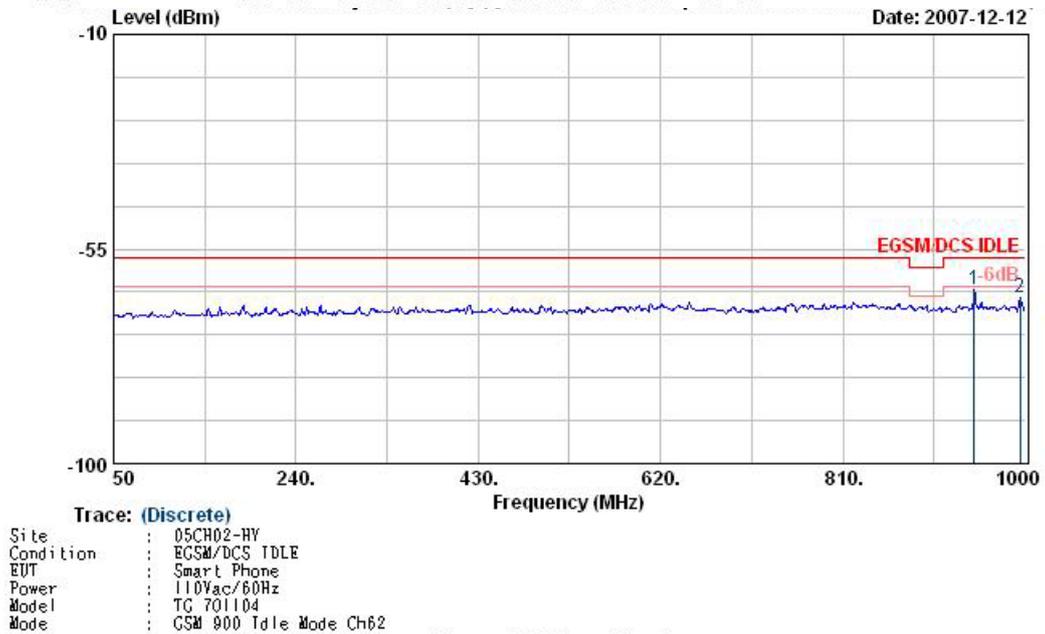
	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1	12643.25	-39.91	-9.91	-30.00	-51.49	11.58	



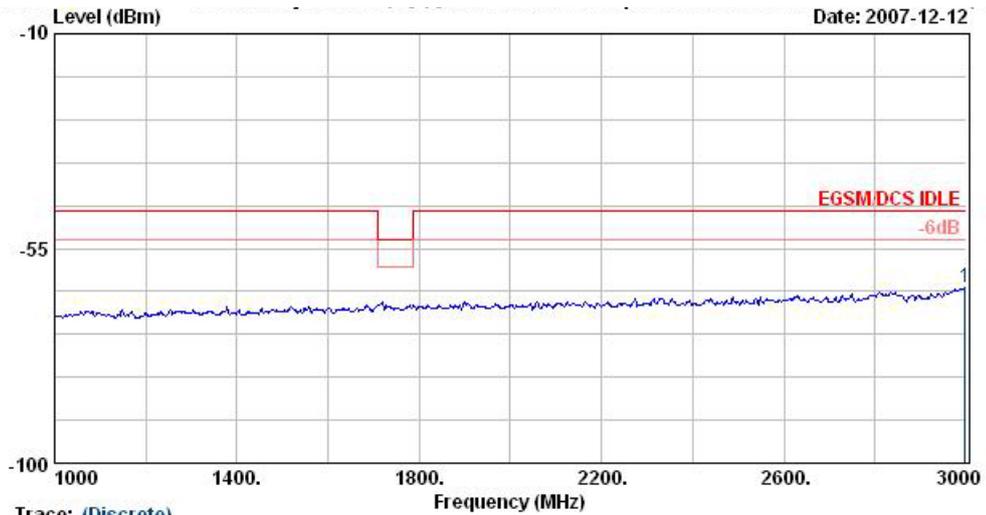
5.6 GSM 900 混附波輻射空閒狀態



	Freq	Level	Over	Limit	Read	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1 @	36.73	-77.23	-20.23	-57.00	-83.96	6.73	

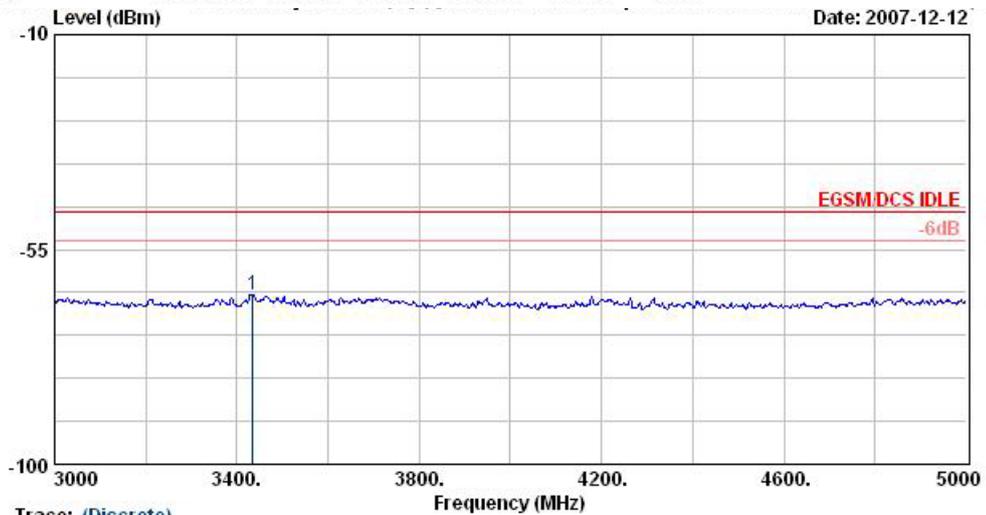


	Freq	Level	Over	Limit	Read	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1 @	946.80	-63.42	-6.42	-57.00	-70.54	7.12	
2 @	994.30	-65.33	-8.33	-57.00	-72.47	7.13	



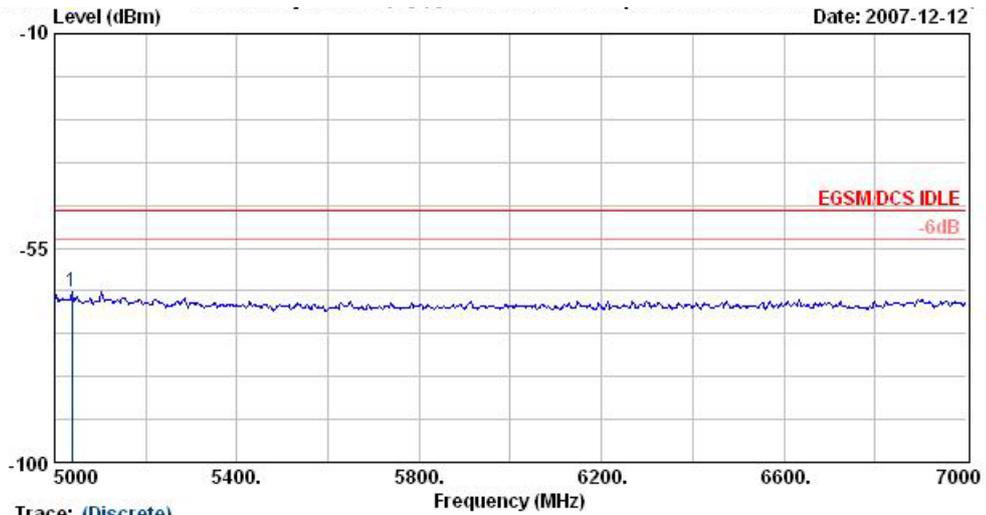
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : EGSM/DCS IDLE  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : GSM 900 Idle Mode Ch62

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	Factor	Pol/Phase
1 @	2998.00	-63.24	-16.24	-47.00	-71.23	7.99	



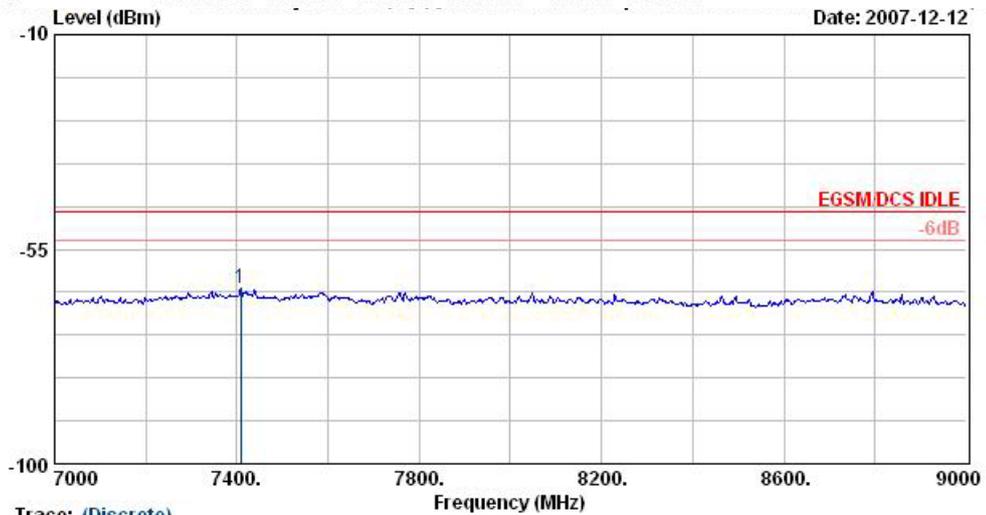
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : EGSM/DCS IDLE  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : GSM 900 Idle Mode Ch62

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	Factor	Pol/Phase
1 @	3434.00	-64.67	-17.67	-47.00	-72.92	8.25	



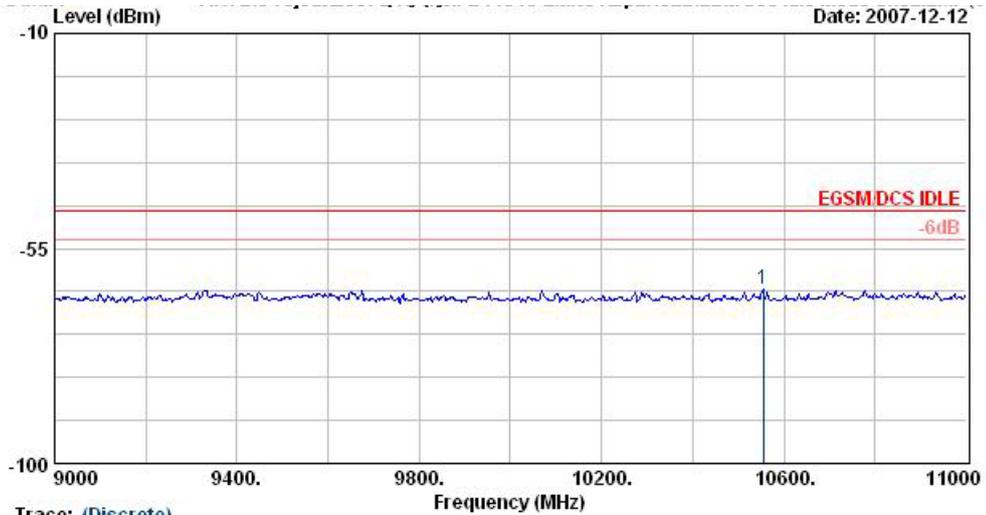
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : EGSM/DCS IDLE  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : GSM 900 Idle Mode Ch62

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	Factor	Pol/Phase
1 @	5038.00	-64.35	-17.35	-47.00	-74.48	10.12	



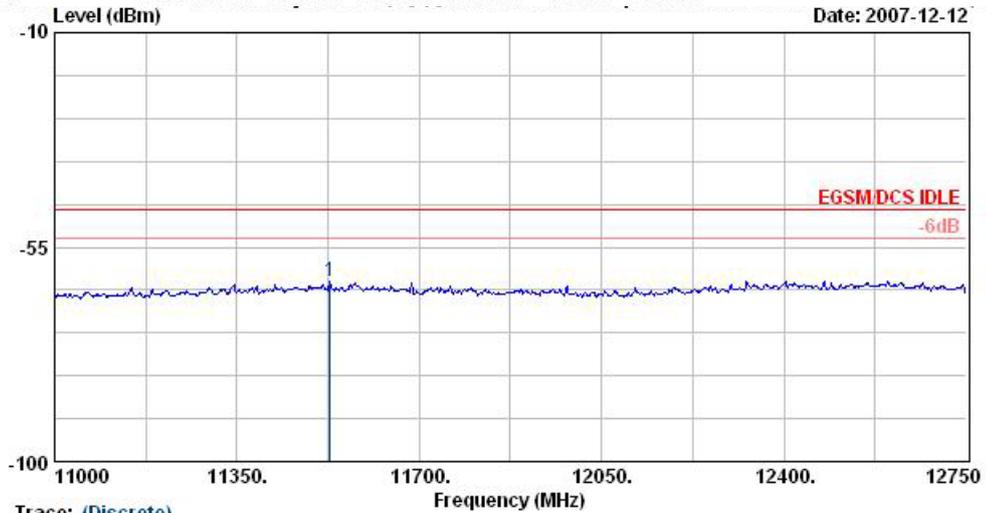
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : EGSM/DCS IDLE  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : GSM 900 Idle Mode Ch62

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	Factor	Pol/Phase
1 @	7408.00	-63.22	-16.22	-47.00	-72.80	9.58	



Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : EGSM/DCS IDLE  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : GSM 900 Idle Mode Ch62

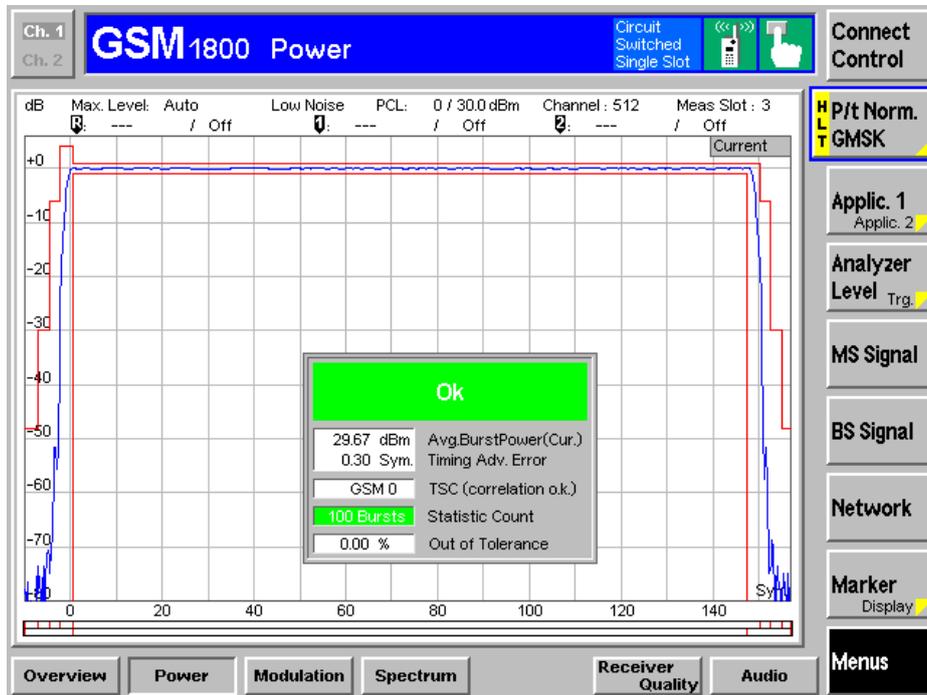
	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1 @	10554.00	-63.57	-16.57	-47.00	-73.62	10.05	



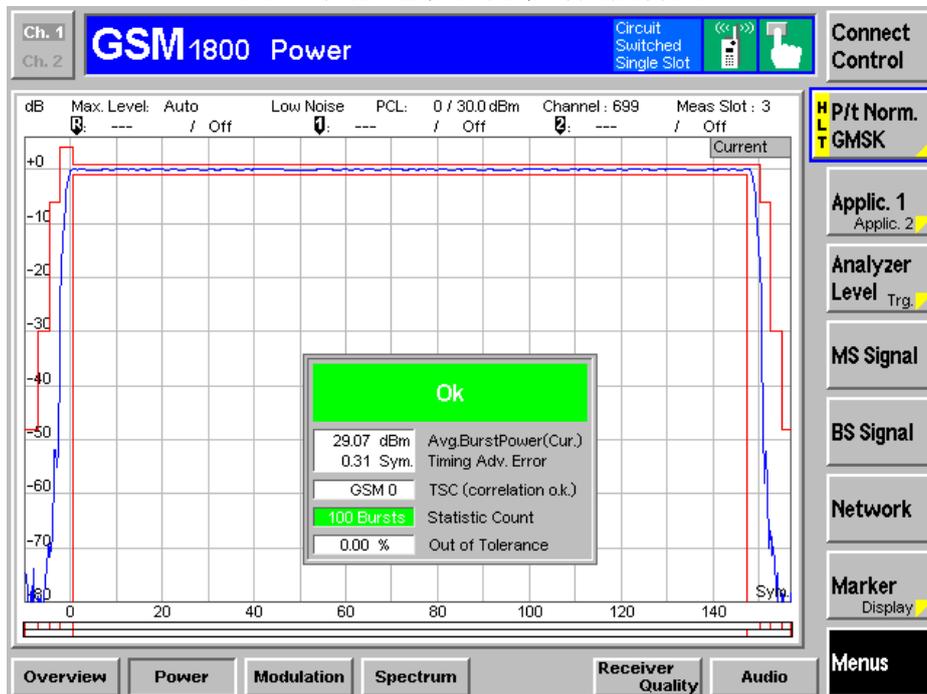
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : EGSM/DCS IDLE  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : GSM 900 Idle Mode Ch62

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1 @	11528.50	-62.11	-15.11	-47.00	-73.48	11.37	

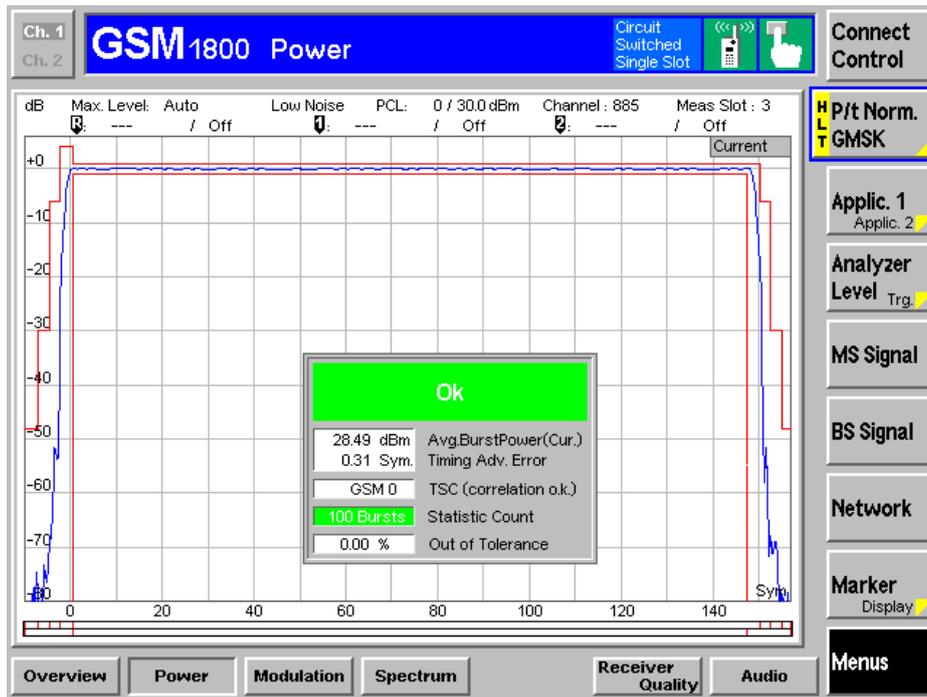
## 5.7 DCS 1800 叢訊功率時間關係圖



圖一 低頻道叢訊功率時間關係圖

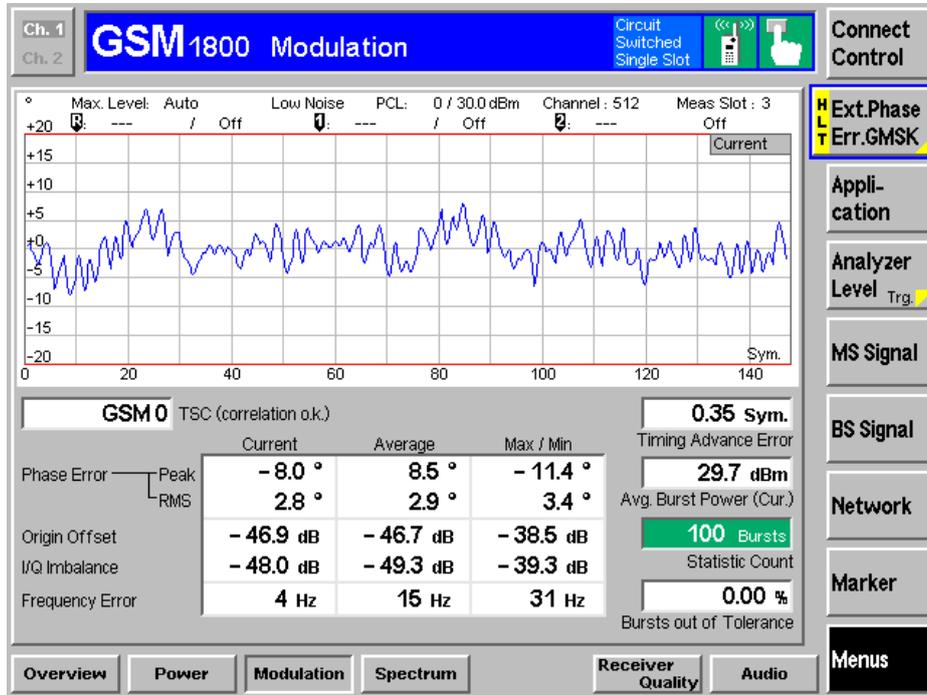


圖二 中間頻道叢訊功率時間關係圖

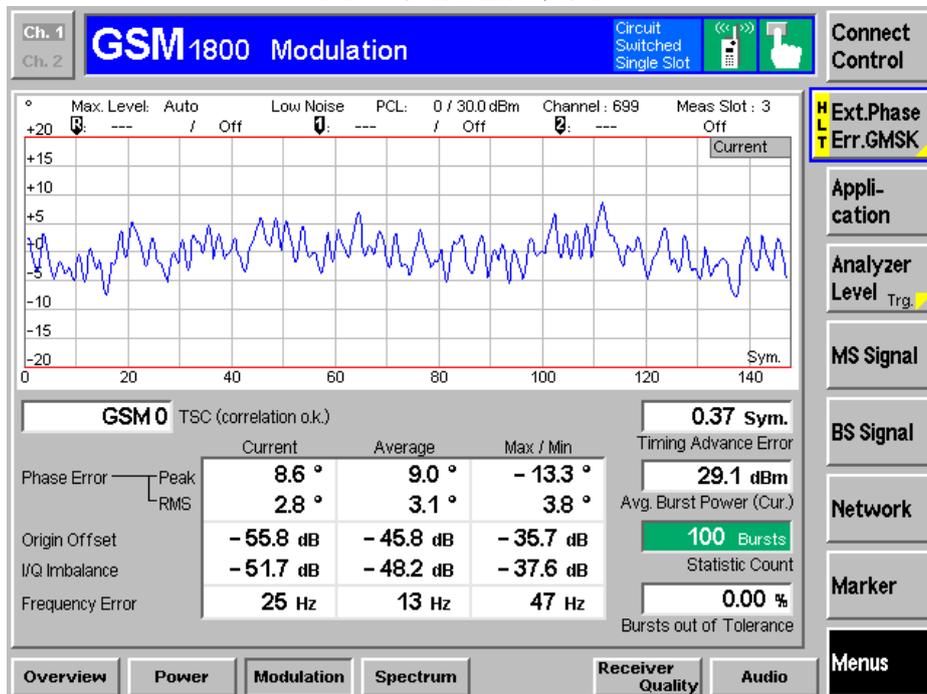


圖三 高頻道叢訊功率時間關係圖

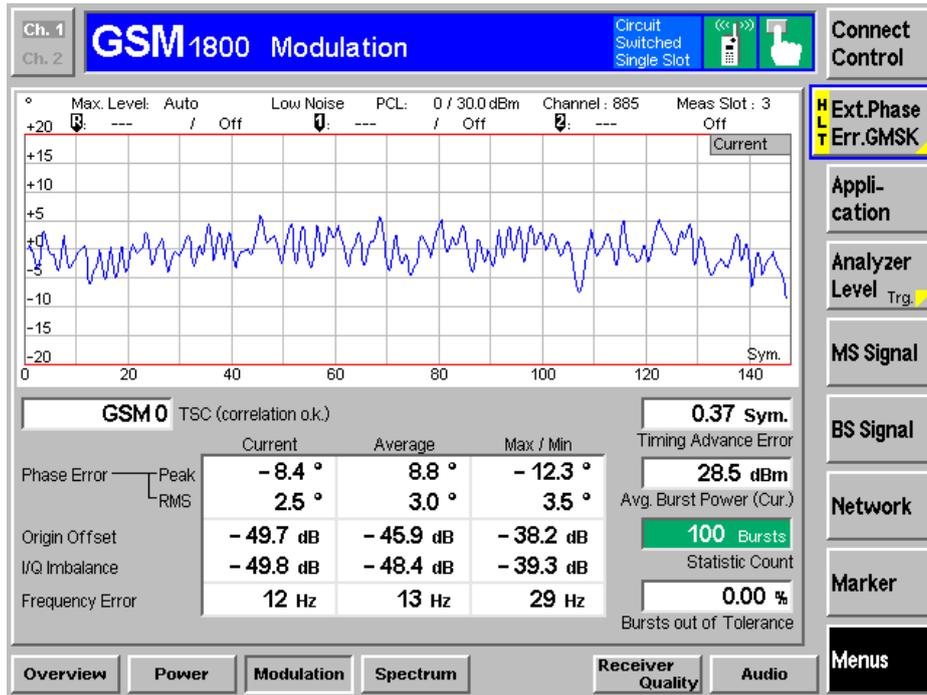
### 5.8 DCS 1800 發射機頻率誤差



圖一 低頻道頻率誤差

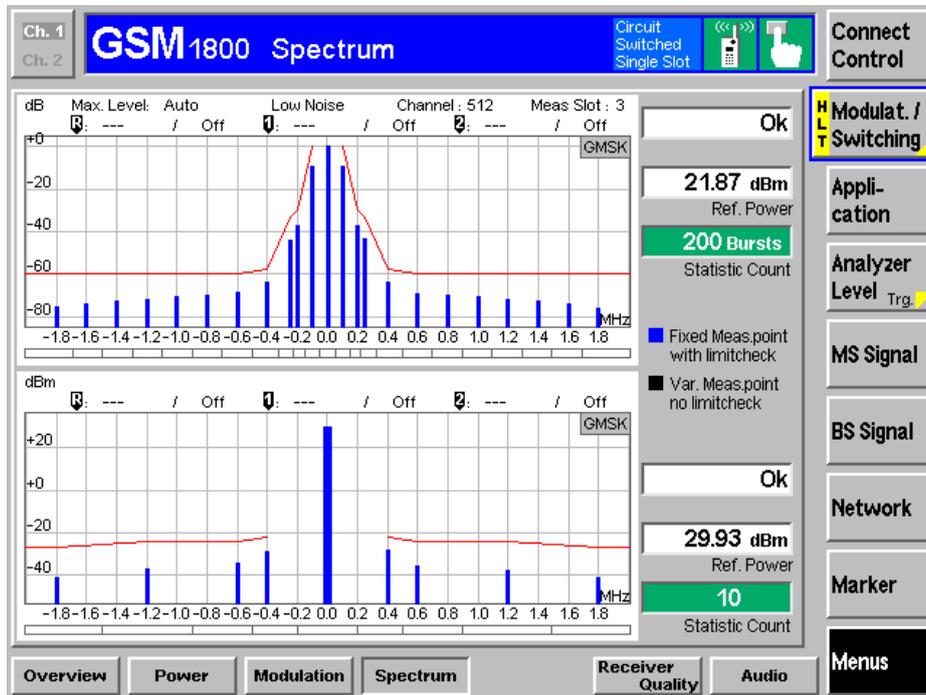


圖二 中間頻道頻率誤差

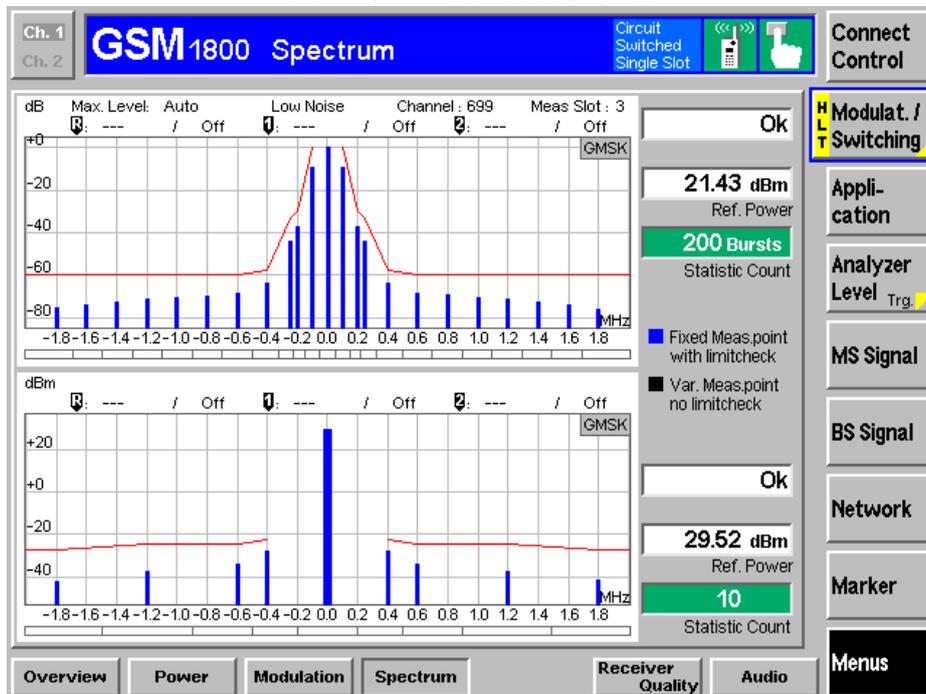


圖三 高頻道頻率誤差

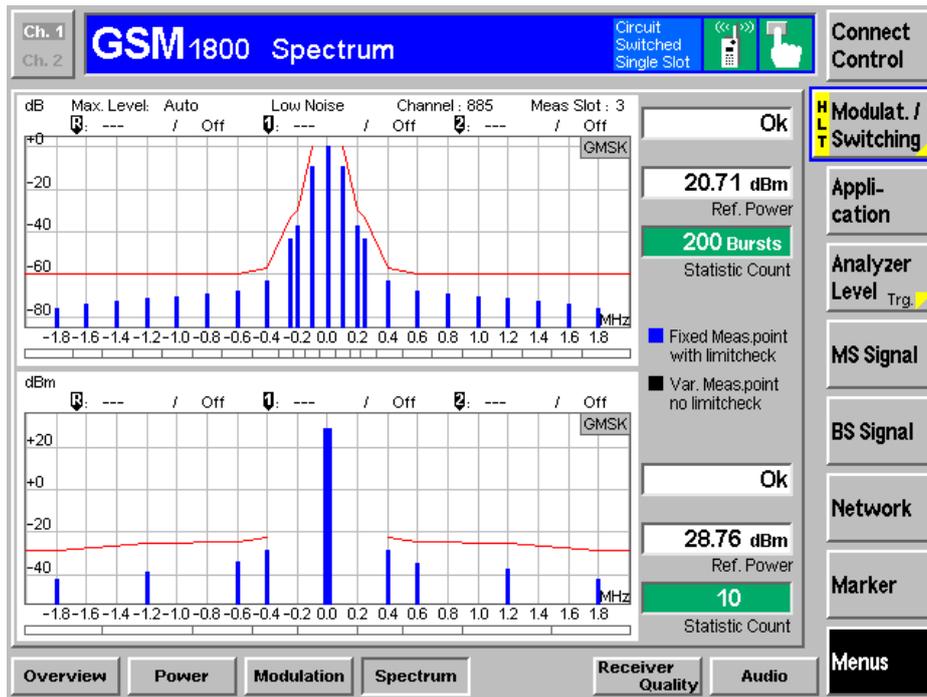
## 5.9 DCS1800 發射射頻頻譜(載波頻率在 100~1800kHz 以內)



圖一 低頻道發射射頻頻譜



圖二 中間頻道發射射頻頻譜



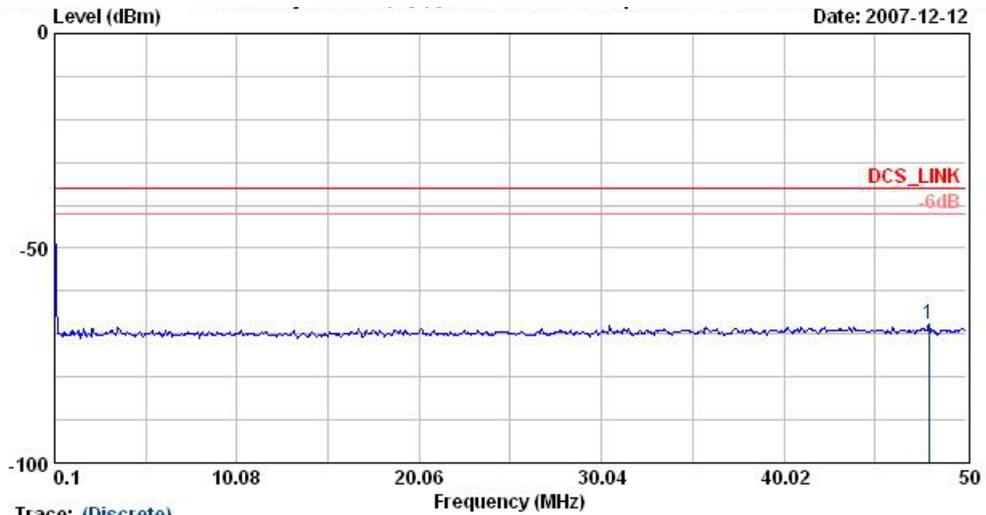
圖三 高頻道發射射頻頻譜

5.10 DCS1800 發射射頻頻譜(載波頻率在 100~1800kHz 以外)

DCS 1800						
測試頻道	載波峰值	量測頻段		最大值	與載波差值	限制值
512	21.87	-1.8MHz	1708.4	-51.51 dBm	-73.38 dB	-65 dB
		1.8MHz	1712.0	-51.30 dBm	-73.17 dB	-65 dB
		-3.0MHz	1707.2	-58.47 dBm	-80.34 dB	-65 dB
		3.0MHz	1713.2	-57.62 dBm	-79.49 dB	-65 dB
		-6.0MHz	1704.2	-62.64 dBm	-84.51 dB	-73 dB
		6.0MHz	1716.2	-61.98 dBm	-83.85 dB	-73 dB
699	21.43	-1.8MHz	1745.8	-50.92 dBm	-72.35 dB	-65 dB
		1.8MHz	1749.4	-51.69 dBm	-73.12 dB	-65 dB
		-3.0MHz	1744.6	-57.50 dBm	-78.93 dB	-65 dB
		3.0MHz	1750.6	-57.86 dBm	-79.29 dB	-65 dB
		-6.0MHz	1741.6	-62.22 dBm	-83.65 dB	-73 dB
		6.0MHz	1753.6	-62.00 dBm	-83.43 dB	-73 dB
885	20.71	-1.8MHz	1783	-52.63 dBm	-73.34 dB	-65 dB
		1.8MHz	1786.6	-52.39 dBm	-73.10 dB	-65 dB
		-3.0MHz	1781.8	-57.95 dBm	-78.66 dB	-65 dB
		3.0MHz	1787.8	-58.80 dBm	-79.51 dB	-65 dB
		-6.0MHz	1778.8	-62.30 dBm	-83.01 dB	-73 dB
		6.0MHz	1790.8	-62.72 dBm	-83.43 dB	-73 dB

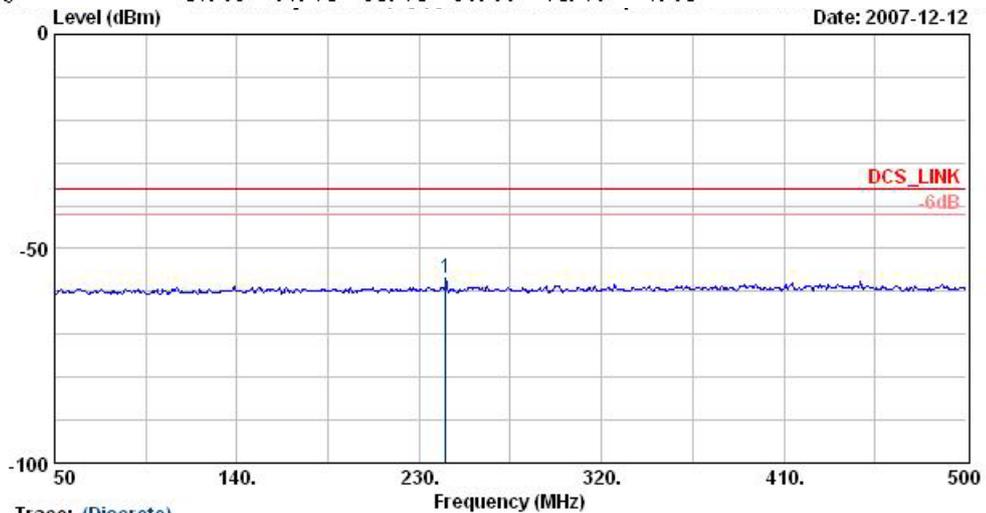


5.11 DCS1800 混附波輻射連線狀態



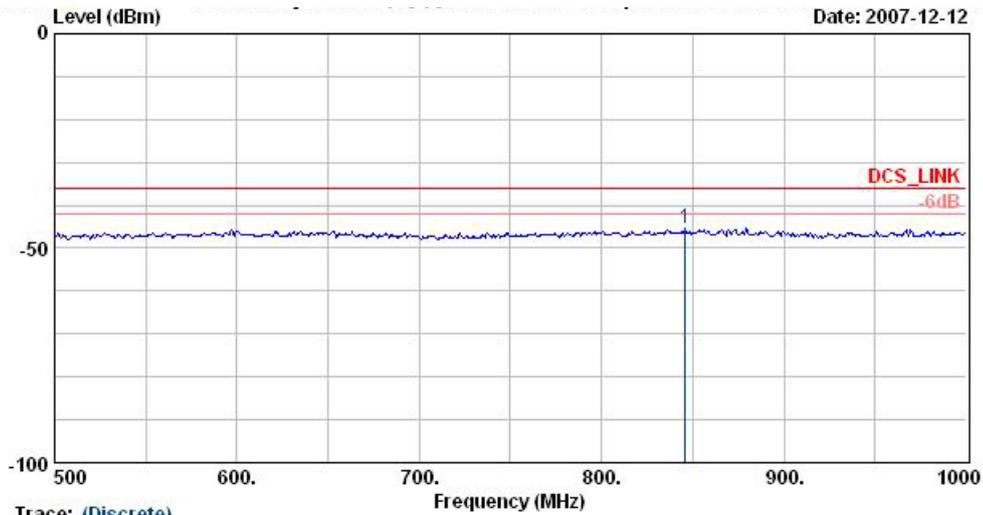
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : DCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Link Mode Ch600

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1 @	47.95	-67.74	-31.74	-36.00	-74.76	7.01	



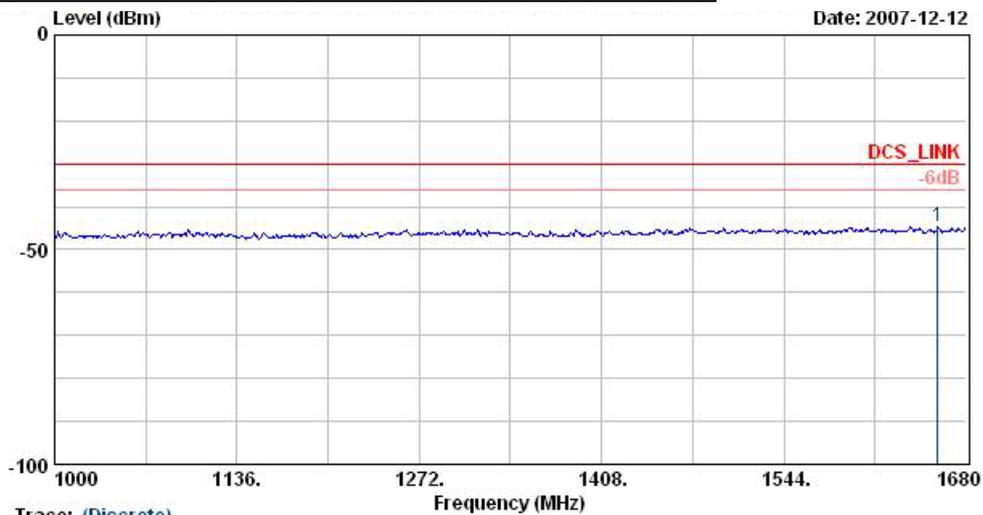
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 Site : 05CH02-HY  
 Condition : DCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Link Mode Ch600

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1 @	243.05	-57.02	-21.02	-36.00	-63.80	6.78	



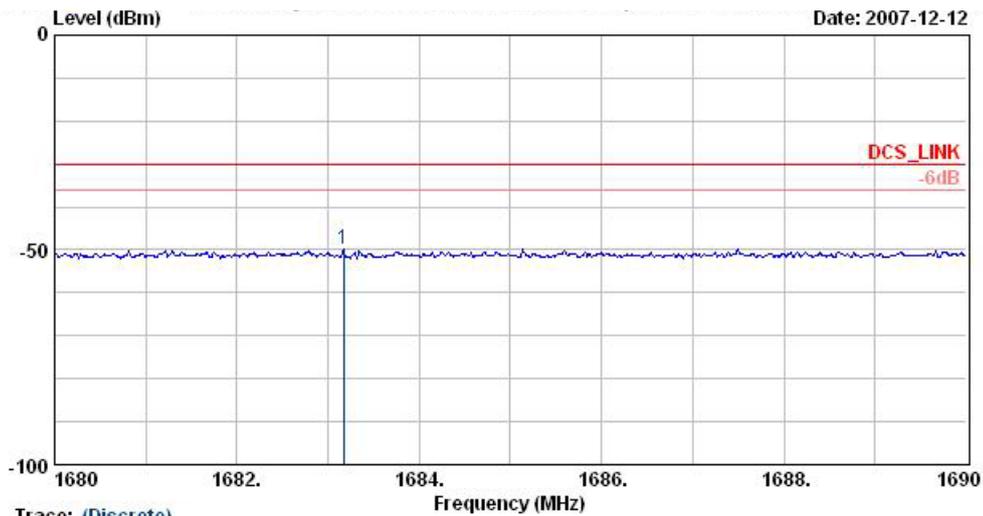
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 Site : 05CH02-HY  
 Condition : DCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Link Mode Ch600

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Pol/Phase
			dB	dBm	dBm	dB	
1 @	846.00	-45.49	-9.49	-36.00	-52.54	7.05	



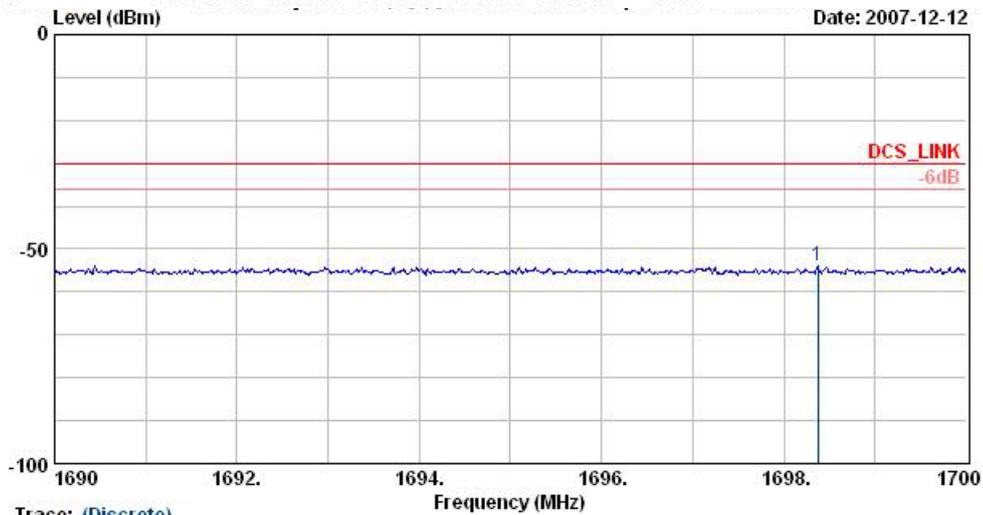
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 Site : 05CH02-HY  
 Condition : DCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Link Mode Ch600

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Pol/Phase
			dB	dBm	dBm	dB	
1 @	1658.92	-44.75	-14.75	-30.00	-52.24	7.49	



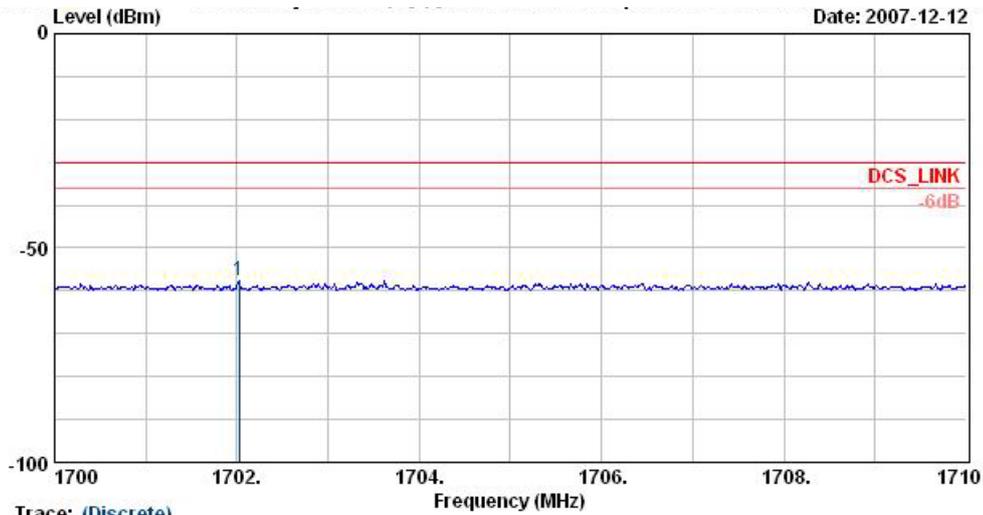
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 Site : 05CH02-HY  
 Condition : DCS\_LTNK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Link Mode Ch600

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1 @	1683.17	-49.69	-19.69	-30.00	-57.19	7.50	



Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : DCS\_LTNK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Link Mode Ch600

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1 @	1698.37	-53.96	-23.96	-30.00	-61.48	7.52	

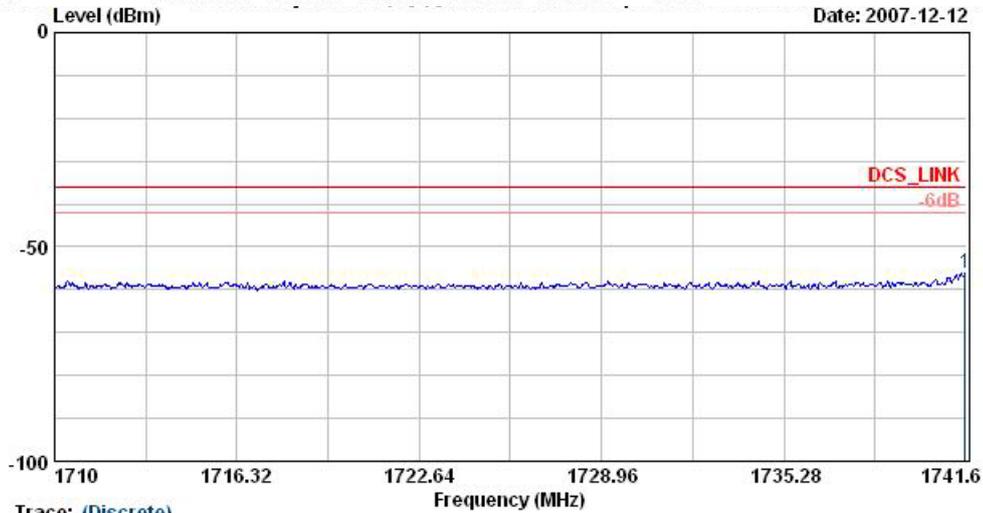


Date: 2007-12-12

Trace: (Discrete)

Site : 05CH02-HY  
 Condition : DCS\_LTNK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Link Mode Ch600

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1 @	1702.02	-57.48	-27.48	-30.00	-65.00	7.52	

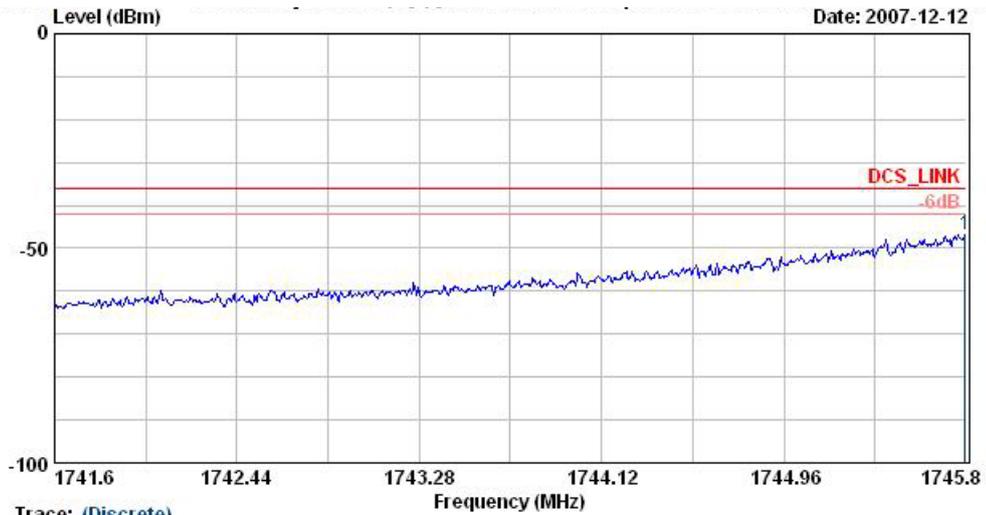


Date: 2007-12-12

Trace: (Discrete)

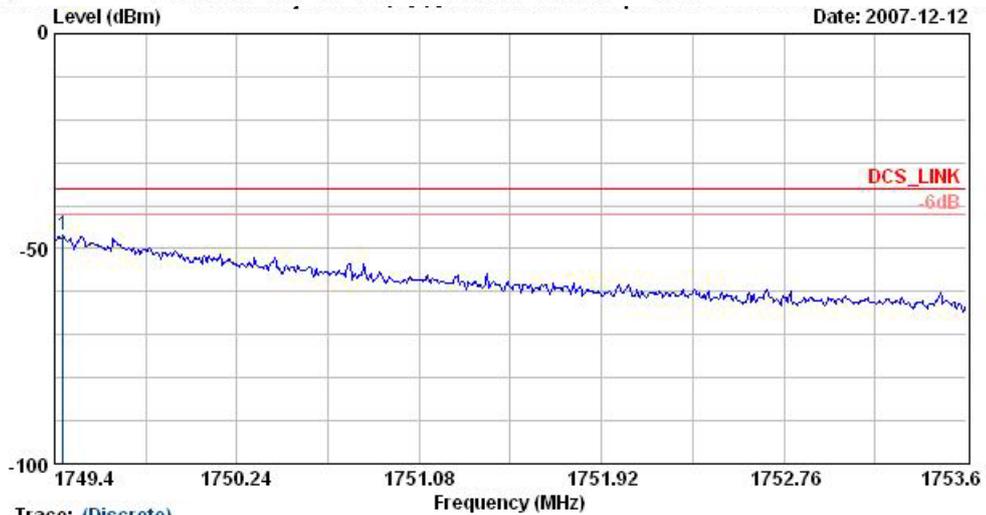
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 Condition : DCS\_LTNK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Link Mode Ch600

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1 @	1741.57	-56.21	-20.21	-36.00	-63.76	7.55	



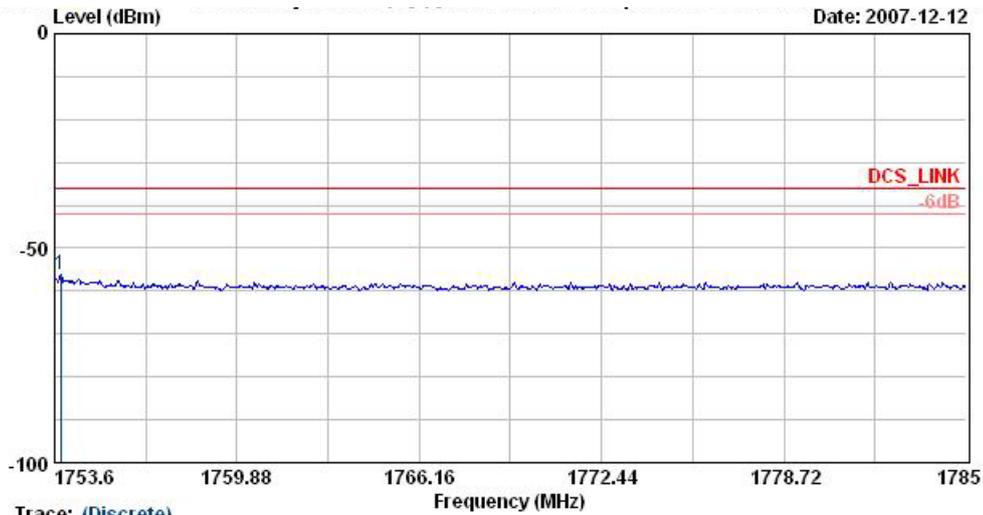
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 Site : 05CH02-HY  
 Condition : DCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Link Mode Ch600

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1 @	1745.80	-46.70	-10.70	-36.00	-54.25	7.55	



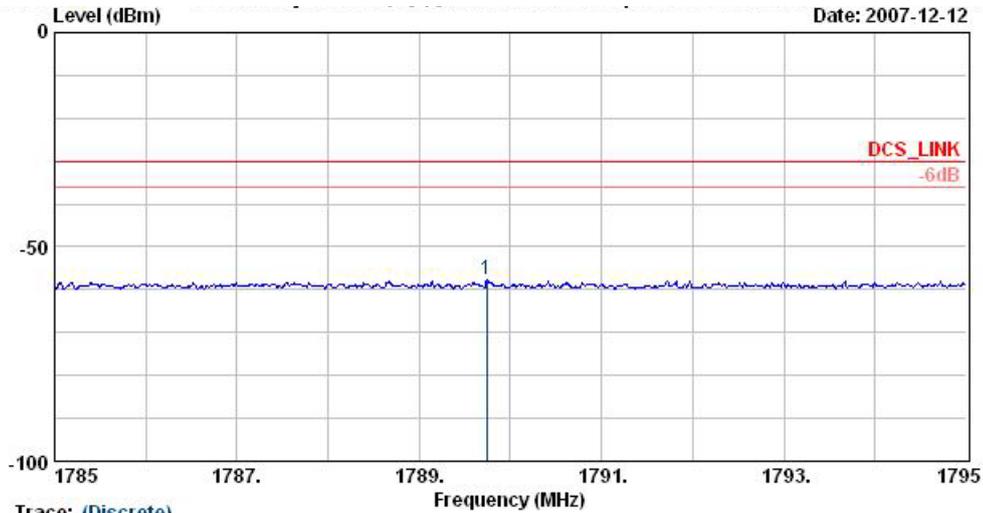
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : DCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Link Mode Ch600

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1 @	1749.44	-46.79	-10.79	-36.00	-54.35	7.56	



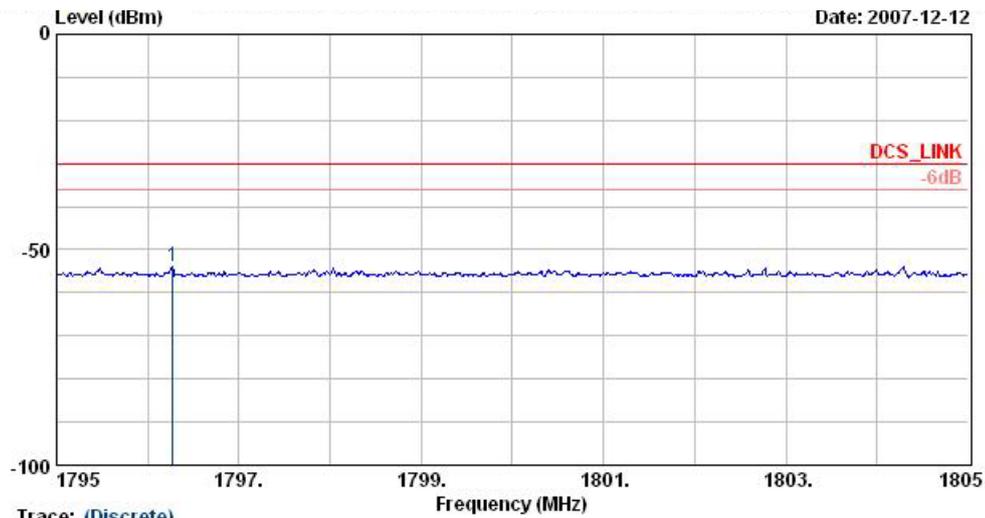
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : DCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Link Mode Ch600

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1 @	1753.82	-56.21	-20.21	-36.00	-63.77	7.56	



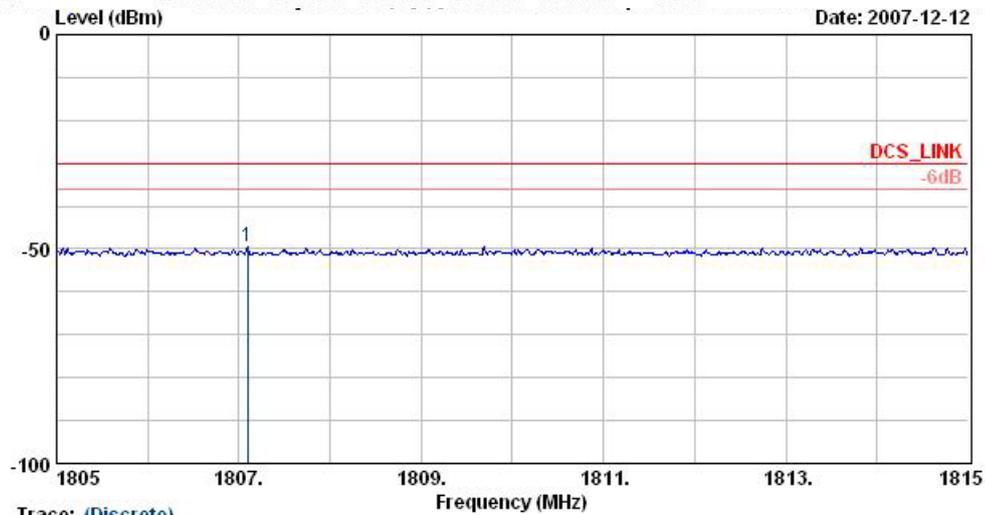
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : DCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Link Mode Ch600

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1 @	1789.74	-57.61	-27.61	-30.00	-65.21	7.59	



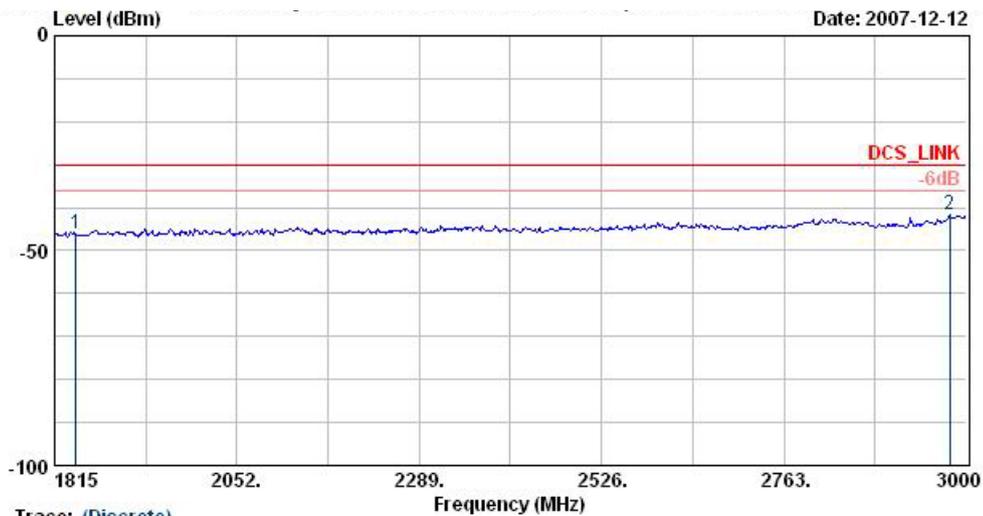
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 Site : 05CH02-HY  
 Condition : DCS\_LTNK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Link Mode Ch600

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1 @	1796.27	-53.87	-23.87	-30.00	-61.46	7.59	



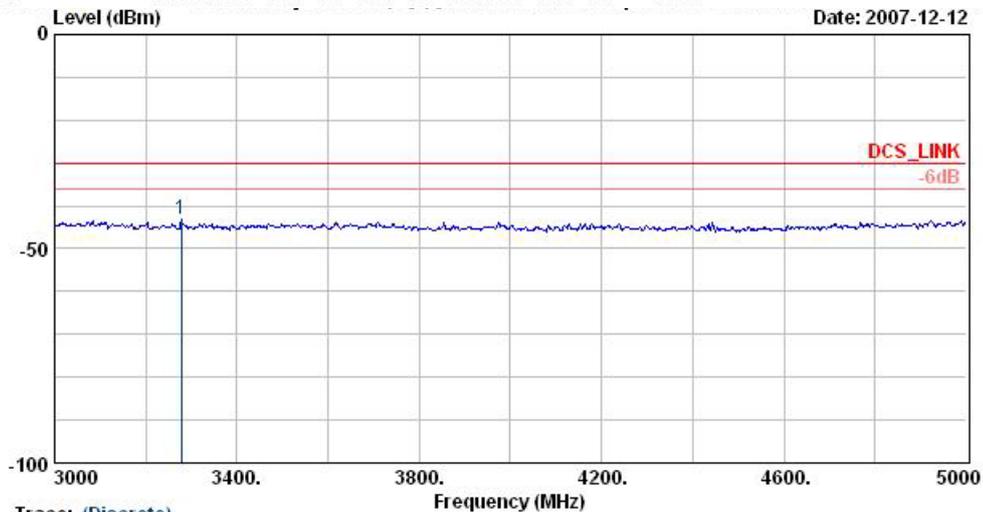
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 Site : 05CH02-HY  
 Condition : DCS\_LTNK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Link Mode Ch600

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1 @	1807.09	-49.45	-19.45	-30.00	-57.05	7.60	



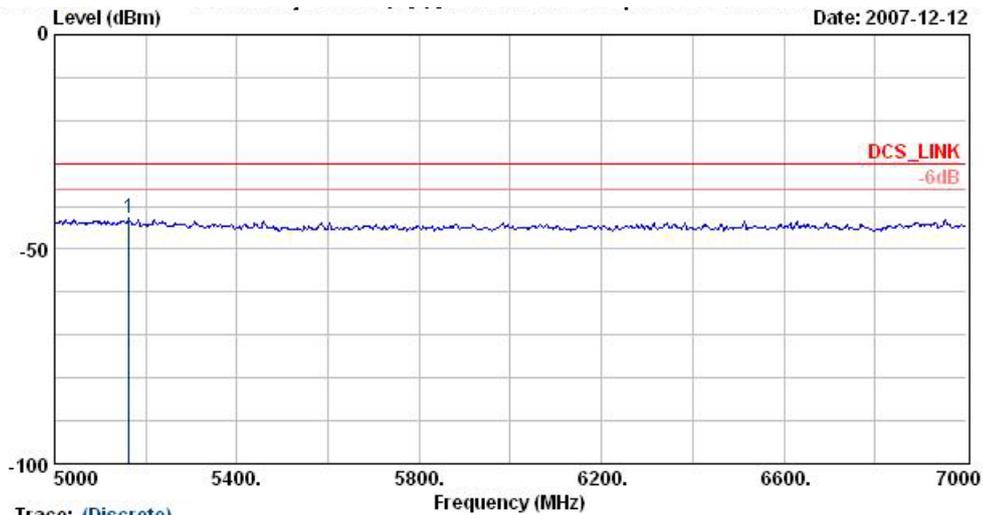
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : DCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Link Mode Ch699

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1 @	1842.26	-46.20	-16.20	-30.00	-53.84	7.63	
2 @	2978.67	-41.73	-11.73	-30.00	-49.72	7.99	



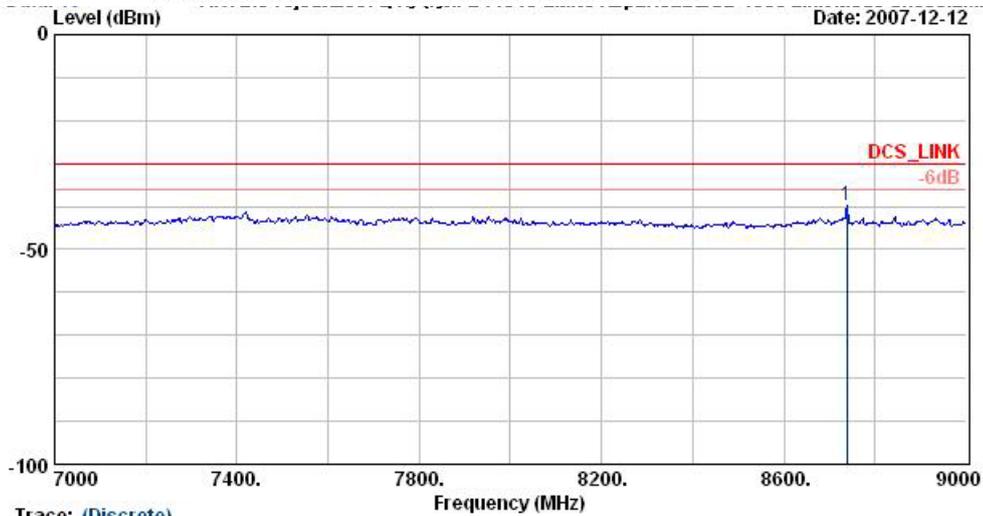
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : DCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Link Mode Ch699

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1 @	3278.00	-43.24	-13.24	-30.00	-51.39	8.16	



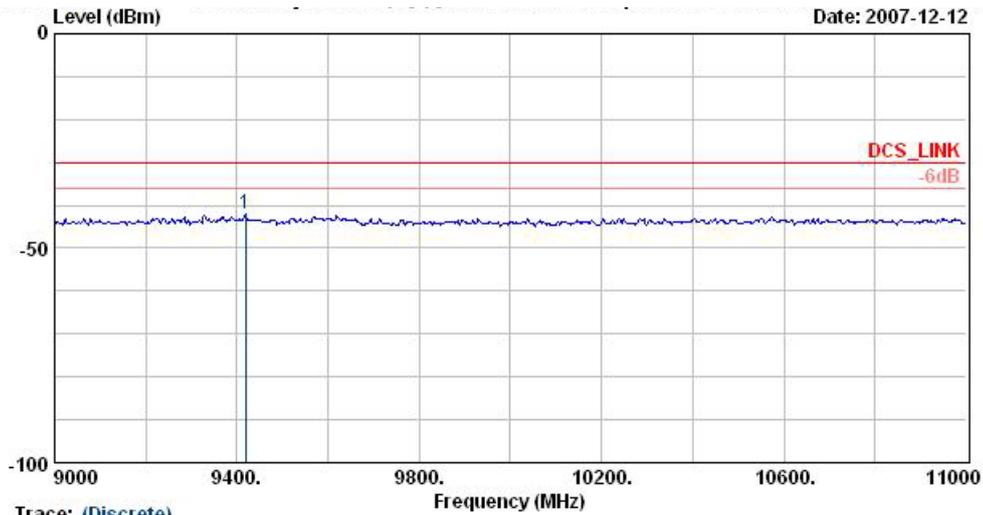
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : DCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Link Mode Ch600

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1 @	5164.00	-42.79	-12.79	-30.00	-52.65	9.86	



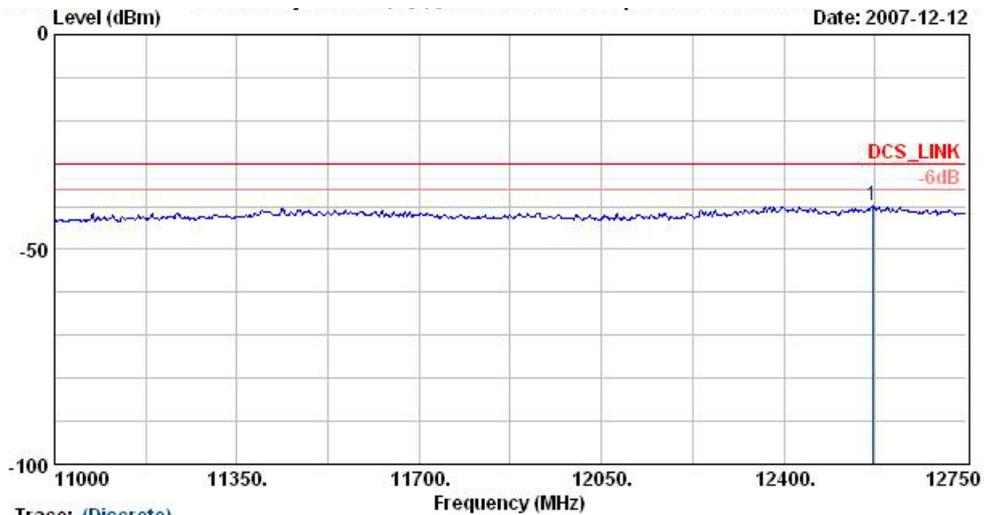
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : DCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Link Mode Ch600

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1 @	8738.00	-39.89	-9.89	-30.00	-49.67	9.79	



Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : DCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Link Mode Ch600

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1 @	9418.00	-42.15	-12.15	-30.00	-52.34	10.20	

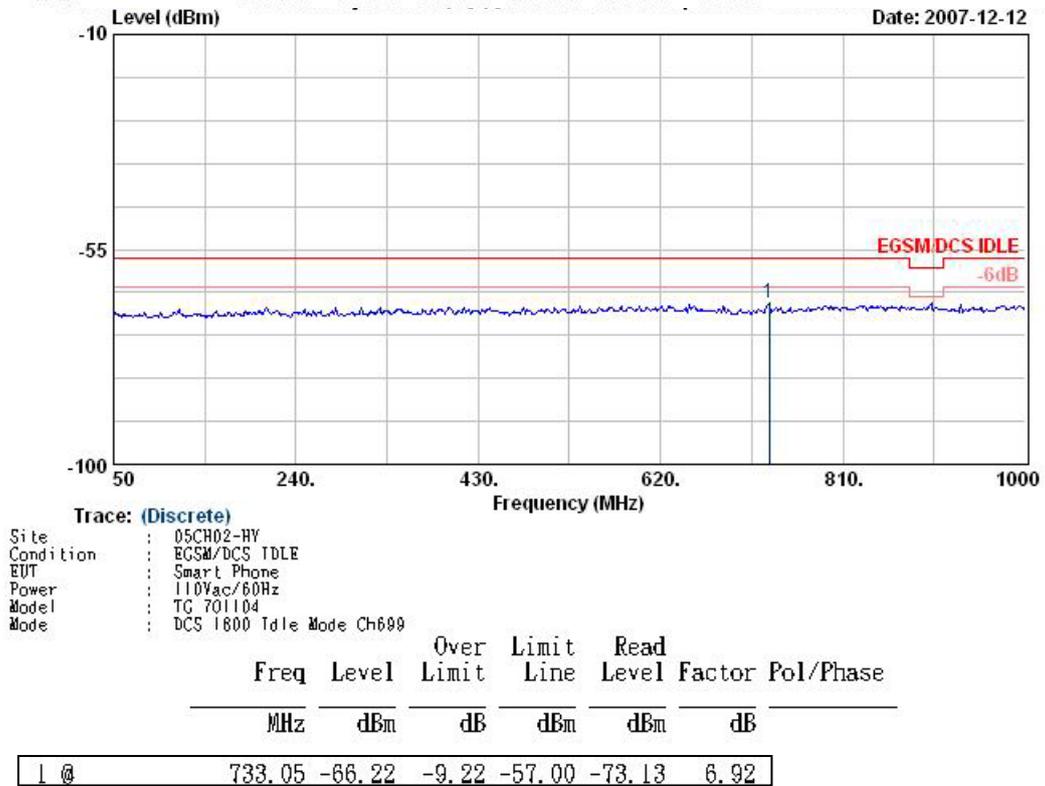
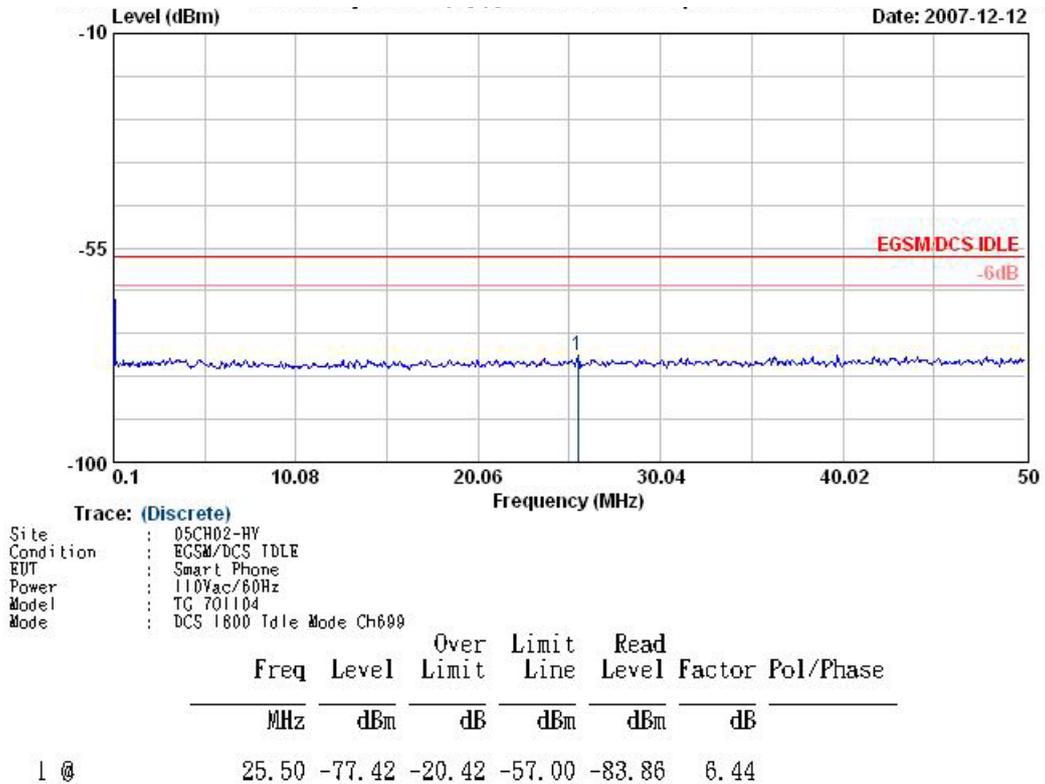


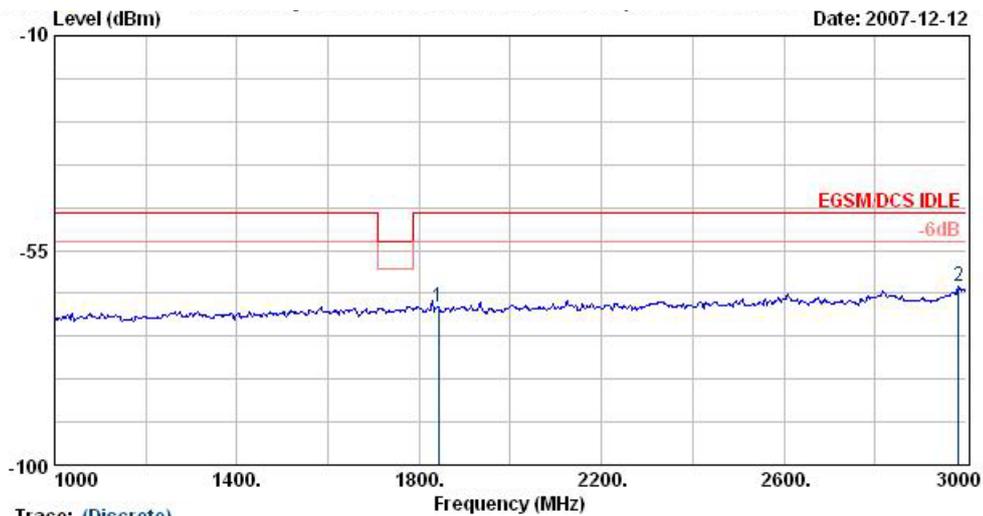
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : DCS\_LINK  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Link Mode Ch600

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1 @	12569.75	-39.85	-9.85	-30.00	-51.60	11.75	



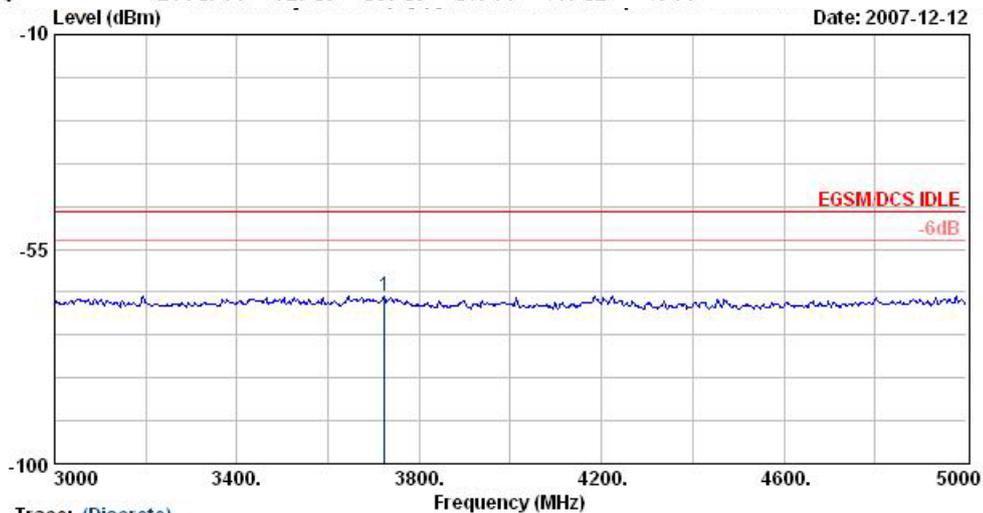
5.12 DCS1800 混附波輻射空閒狀態





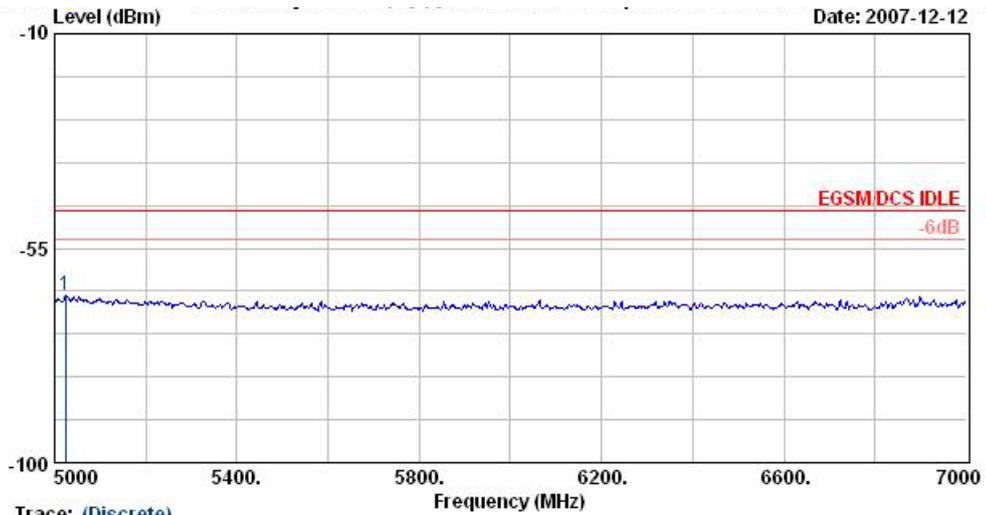
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : EGSM/DCS IDLE  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Idle Mode Ch699

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1 @	1842.00	-66.96	-19.96	-47.00	-74.59	7.63	
2 @	2984.00	-62.43	-15.43	-47.00	-70.42	7.99	



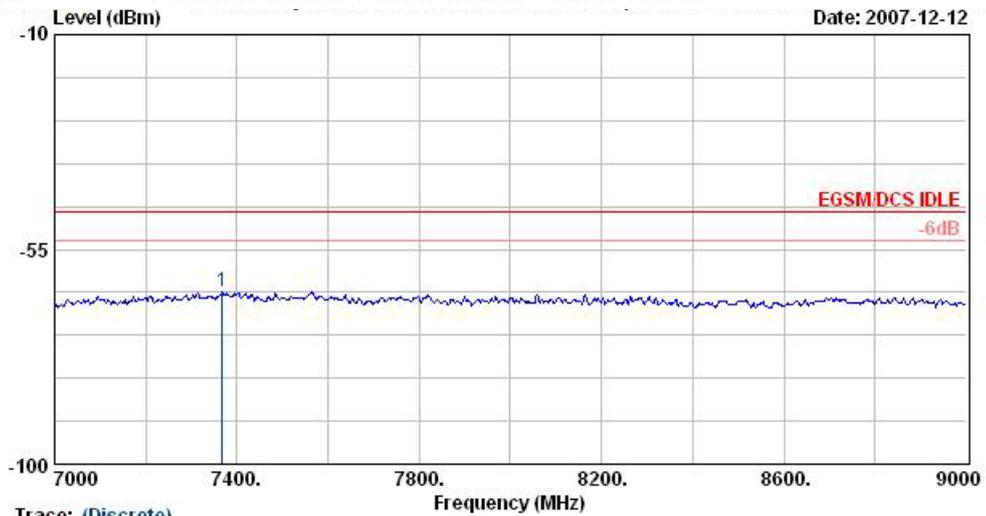
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : EGSM/DCS IDLE  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Idle Mode Ch699

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1 @	3724.00	-64.78	-17.78	-47.00	-73.18	8.40	



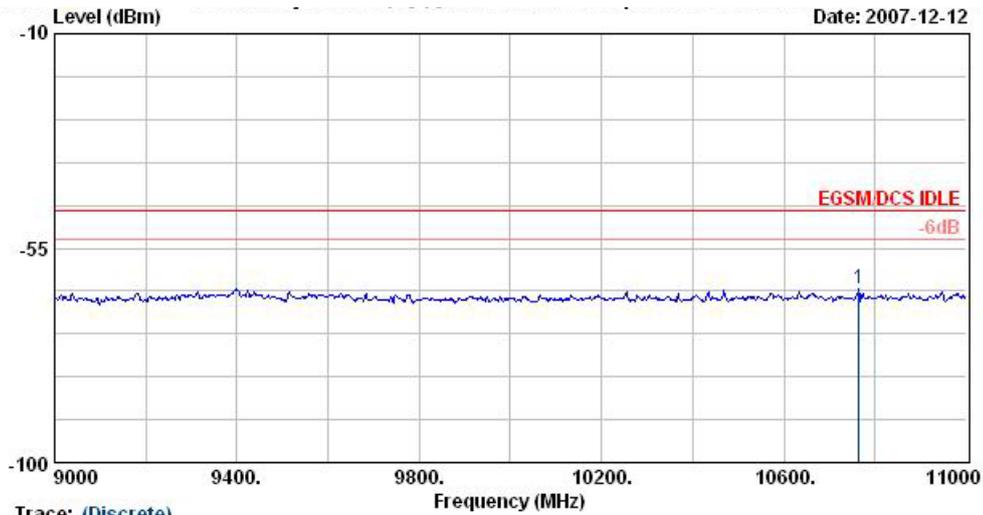
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : EGSM/DCS IDLE  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Idle Mode Ch699

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1 @	5024.00	-64.88	-17.88	-47.00	-75.06	10.18	



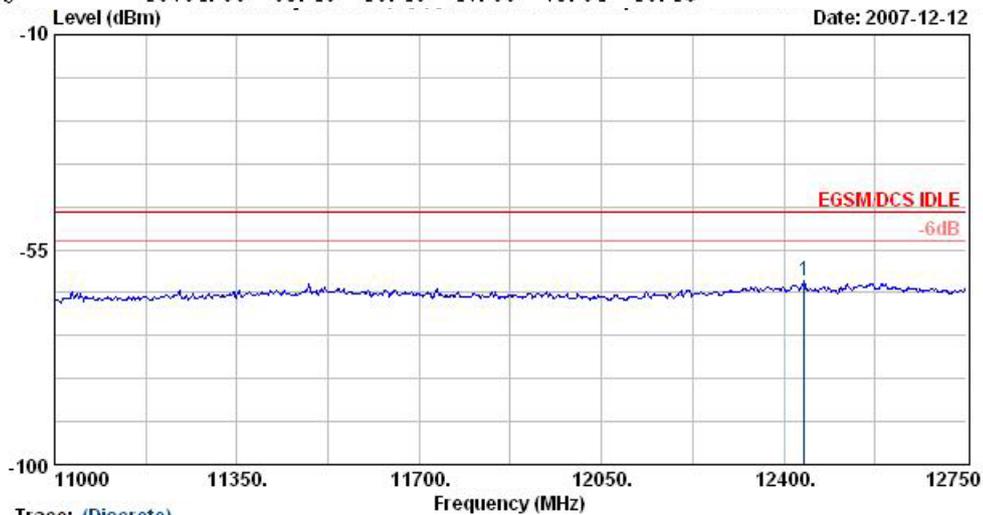
Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : EGSM/DCS IDLE  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Idle Mode Ch699

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	dB	Pol/Phase
1 @	7368.00	-63.87	-16.87	-47.00	-73.43	9.56	



Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : EGSM/DCS IDLE  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Idle Mode Ch699

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	Factor	Pol/Phase
1 @	10764.00	-63.46	-16.46	-47.00	-73.64	10.18	



Trace: (Discrete)  
 Site : 05CH02-HY  
 Condition : EGSM/DCS IDLE  
 EUT : Smart Phone  
 Power : 110Vac/60Hz  
 Model : TG 701104  
 Mode : DCS 1800 Idle Mode Ch699

	Freq	Level	Over	Limit	Read		
	MHz	dBm	dB	dBm	dBm	Factor	Pol/Phase
1 @	12438.50	-61.58	-14.58	-47.00	-73.33	11.75	

## 6. 量測設定及限制值

### 6.1 混附波輻射發射頻帶內設定值

頻帶	偏離載波頻率	測量頻寬
900MHz相關發射頻帶：890-915MHz	$\geq 1.8\text{MHz}$	30 KHz
1800 MHz相關發射頻帶：1710 - 1785 MHz	$\geq 6\text{MHz}$	100 KHz

### 6.2 混附波輻射發射頻帶外設定值

頻帶	偏離相關發射頻帶邊緣	測量頻寬
100KHz—50MHz	—	10 KHz
50MHz—500MHz	—	100 KHz
500MHz以上，但在表一之一相關發射頻帶外	$\geq 2\text{ MHz}$	30 KHz
	$\geq 5\text{ MHz}$	100 KHz
	$\geq 10\text{ MHz}$	300 KHz
	$\geq 20\text{ MHz}$	1 MHz
	$\geq 30\text{ MHz}$	3 MHz

### 6.3 混附波輻射連線狀態限制值

頻率範圍	功率位準 (dBm)	
	GSM 900	DCS 1800
100kHz 至 1GHz	-36	-36
1GHz 至 12.75GHz	-30	
1GHz 至 1710MHz		-30
1710MHz 至 1785MHz		-36
1785MHz 至 12.75GHz		-30

### 6.4 混附波輻射空閒狀態限制值

頻率範圍	功率位準 (dBm)
9kHz 至 880MHz	-57
880MHz 至 915MHz	-59
915MHz 至 1GHz	-57
1GHz 至 1710MHz	-47
1710MHz 至 1785MHz	-53
1785MHz 至 12.75GHz	-47

**6.5 調變頻譜 (Spectrum due to the modulation) 設定及限制值**

功率(dBm)		在偏移載波下列頻率(KHz)時其相對於載波功率之最大允許值(dB)								
		30KHz (測量頻寬)					100KHz (測量頻寬)			
		100	200	250	400	600~ <1200	1200~ <1800	1800~ <3000	3000~ <6000	≥6000
GSM900	≥39	+0.5	-30	-33	-60	-66	-66	-69	-71	-77
	37	+0.5	-30	-33	-60	-64	-64	-67	-69	-75
	35	+0.5	-30	-33	-60	-62	-62	-65	-67	-73
	≤33	+0.5	-30	-33	-60	-60	-60	-63	-65	-71
DCS1800	≥36	+0.5	-30	-33	-60	-60	-60	-71		-79
	34	+0.5	-30	-33	-60	-60	-60	-69		-77
	32	+0.5	-30	-33	-60	-60	-60	-67		-75
	30	+0.5	-30	-33	-60	-60	-60	-65		-73
	28	+0.5	-30	-33	-60	-60	-60	-63		-71
	26	+0.5	-30	-33	-60	-60	-60	-61		-69
≤24	+0.5	-30	-33	-60	-60	-60	-59		-67	

**6.6 功率轉換瞬態所產生之頻譜 (Spectrum due to switching transients) 限制值**

GSM 900

功率位準	載波頻率不同偏移之最大位準			
	400kHz	600kHz	1200kHz	1800kHz
39dBm	-13dBm	-21dBm	-21dBm	-24dBm
37dBm	-15dBm	-21dBm	-21dBm	-24dBm
35dBm	-17dBm	-21dBm	-21dBm	-24dBm
33dBm	-19dBm	-21dBm	-21dBm	-24dBm
31dBm	-21dBm	-23dBm	-23dBm	-26dBm
29dBm	-23dBm	-25dBm	-25dBm	-28dBm
27dBm	-23dBm	-26dBm	-27dBm	-30dBm
25dBm	-23dBm	-26dBm	-29dBm	-32dBm
23dBm	-23dBm	-26dBm	-31dBm	-34dBm
≤21dBm	-23dBm	-26dBm	-32dBm	-36dBm

DCS 1800

功率位準	載波頻率不同偏移之最大位準			
	400kHz	600kHz	1200kHz	1800kHz
36dBm	-16dBm	-21dBm	-21dBm	-24dBm
34dBm	-18dBm	-21dBm	-21dBm	-24dBm
32dBm	-20dBm	-22dBm	-22dBm	-25dBm
30dBm	-22dBm	-24dBm	-24dBm	-27dBm
28dBm	-23dBm	-25dBm	-26dBm	-29dBm
26dBm	-23dBm	-26dBm	-28dBm	-31dBm
24dBm	-23dBm	-26dBm	-30dBm	-33dBm
22dBm	-23dBm	-26dBm	-31dBm	-35dBm
≤20dBm	-23dBm	-26dBm	-32dBm	-36dBm

附錄 A. 產品外觀與結構照

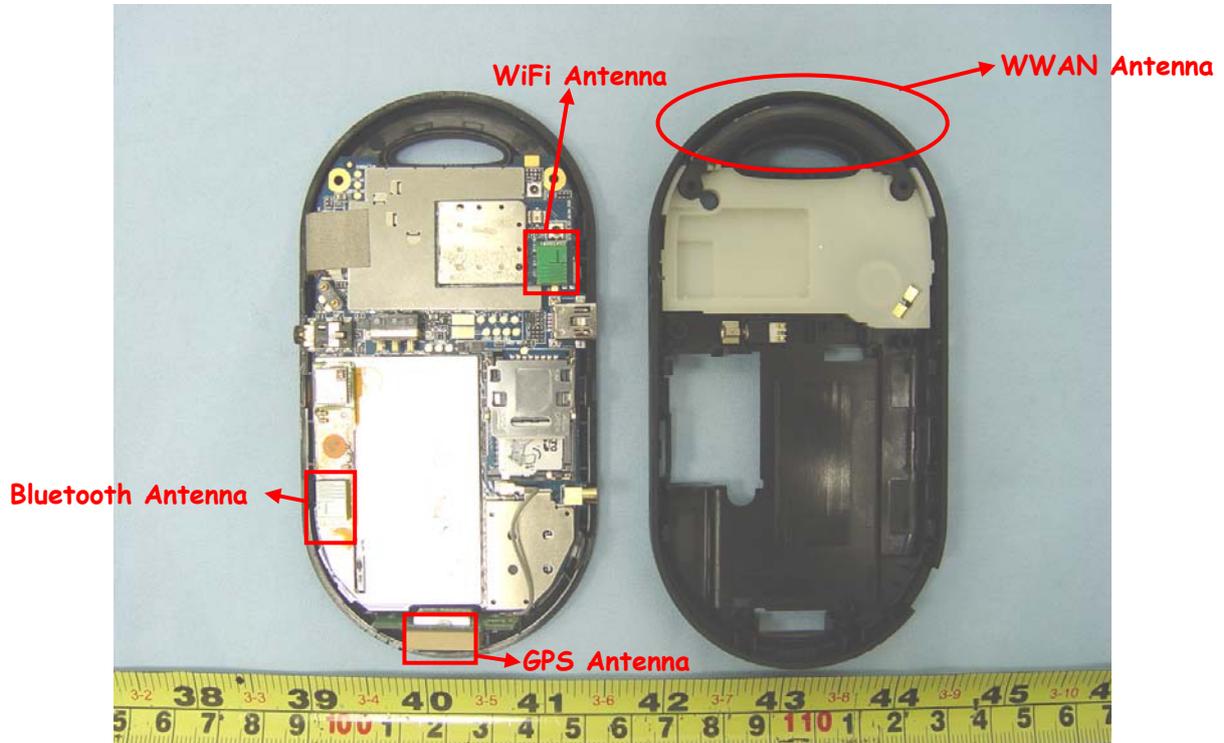






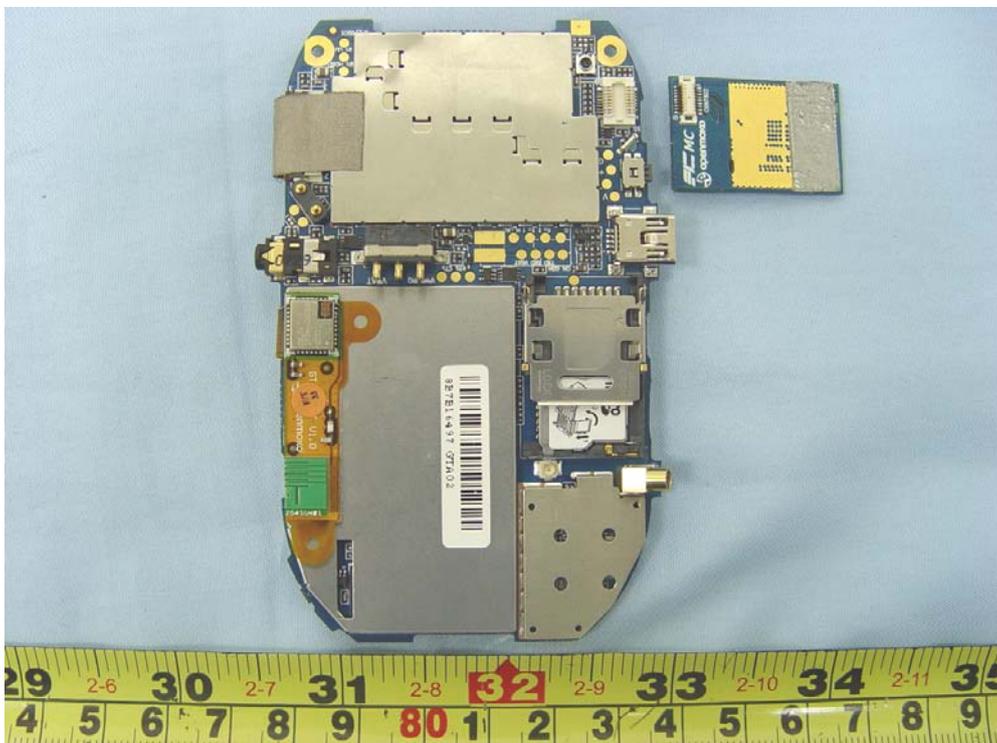
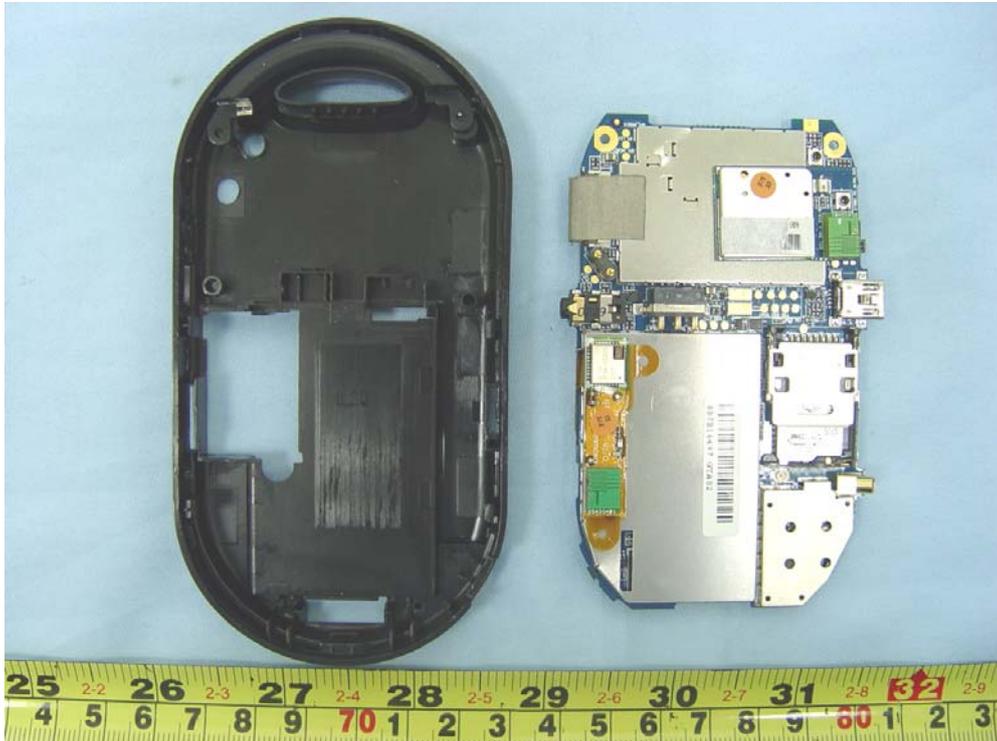


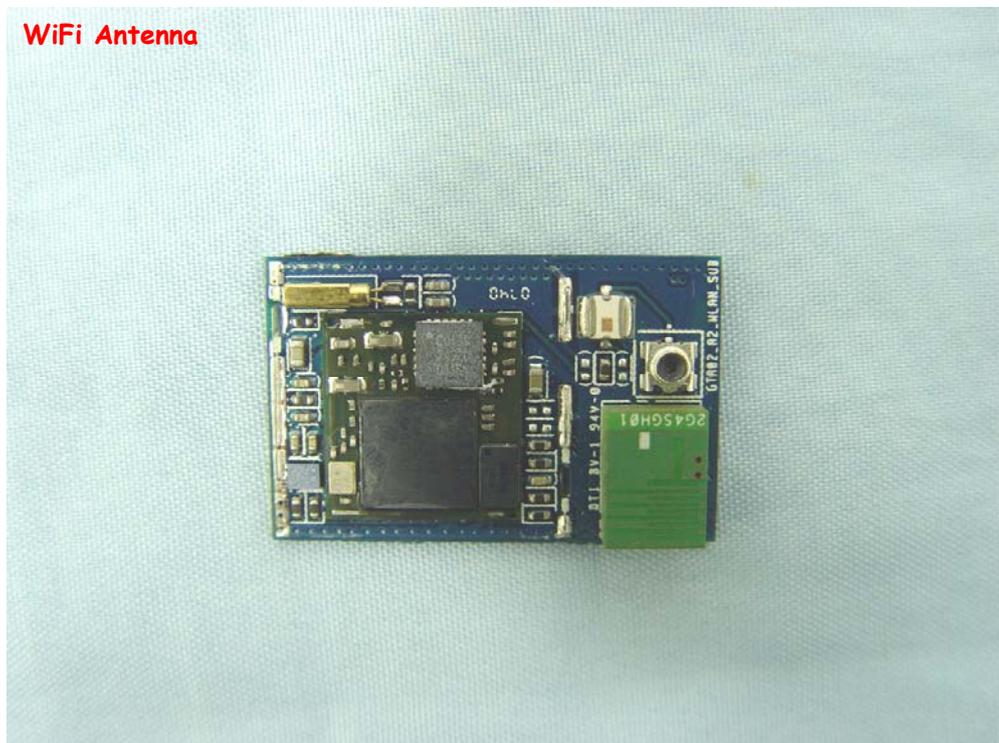
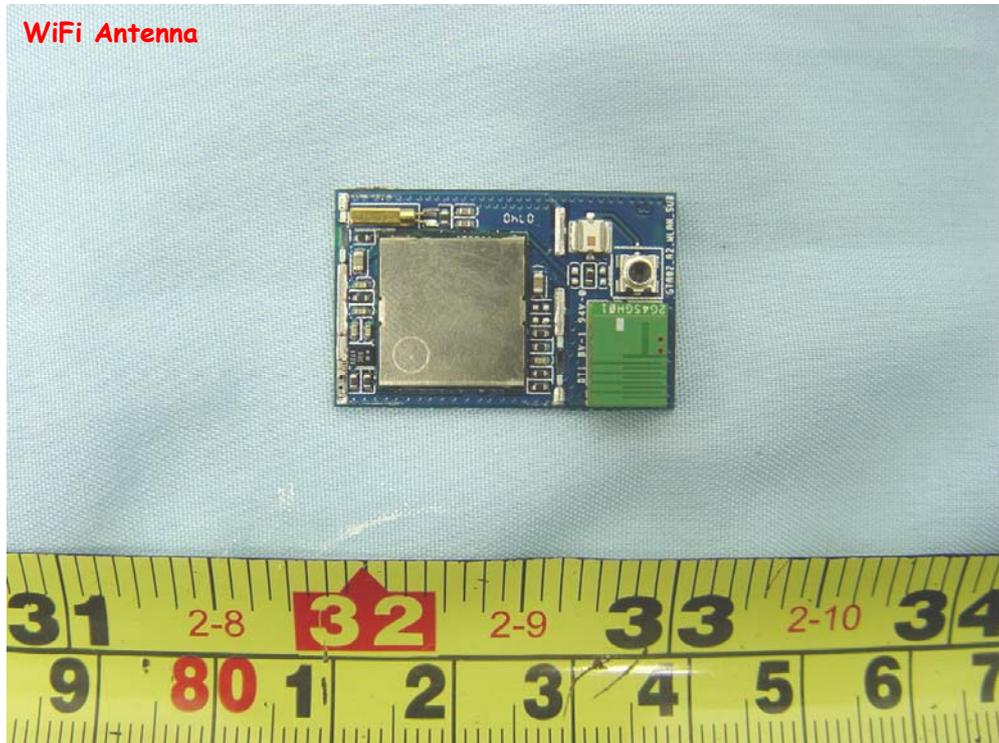












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