



低功率射頻電機測試報告

申請廠商：	香港商優比快科技有限公司台灣分公司
地址：	台北市信義區松仁路 107 號 12 樓
工廠：	Ubiquiti Inc.
地址：	685 Third Avenue, 27th Floor New York, New York 10017 USA
產品名稱：	網路攝影機
產品型號：	UVC-G3-INS
廠牌：	UBIQUITI
受理日期：	109 年 07 月 20 日
完成日期：	109 年 12 月 11 日

實驗室名稱：世騰電子科技股份有限公司測試實驗室

實驗室地址：桃園市蘆竹區聯福街 2 巷 10 號

實驗室認可證書有效期限：112 年 07 月 08 日

實驗室認可編號及範圍：1439 (9 kHz to 40 GHz)

實驗室認證資格





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修訂記錄

報告號碼.	發行日期	描述
TENC2011276	Dec. 11, 2020	Original



證 明 書

申請廠商	: 香港商優比快科技有限公司台灣分公司
地址	: 台北市信義區松仁路 107 號 12 樓
工廠	: Ubiquiti Inc.
地址	: 685 Third Avenue, 27th Floor New York, New York 10017 USA
產品名稱	: 網路攝影機
產品型號	: UVC-G3-INS
廠牌	: UBIQUITI
受理日期	: 109 年 07 月 20 日
完成日期	: 109 年 12 月 11 日
該產品樣品試驗依據之試驗標準	: 國家通訊傳播委員會低功率射頻電機技術規範(LP0002)。 規範修訂日期 109 年 07 月 01 日。
發射功率 (電場強度)	: 23.46 dBm

茲在此鄭重聲明：

本試驗報告所列之待測設備樣品已於民國 109 年 12 月 08 日在本公司的標準測試場地完成詳細及完整之量測。本試驗報告所列之量測皆依據低功率射頻電機技術規範之規定來執行。並判斷此待測設備樣品確實符合低功率射頻電機技術規範規定。

備註：本測試報告僅對受測之樣品負責。非經本公司同意，測試報告不得摘錄複印使用。(全部複製除外)。

項次	測試項目	低功率射頻電機技術 規範	量測設備	測試結果	結果判定
1	天線增益之要求	4.10.1.3 節	---	請參閱 2.2 節	---
2	電源線傳導干擾之要求	3.3 節	請參閱 2 章	請參閱 4.4 節	合格
3	場強輻射之要求	4.10.1.5 節	請參閱 2 章	請參閱 5.4 節, 5.5 節及 5.6 節	合格
4	發射頻寬之要求	4.10.1.6 節(2).(A)	請參閱 2 章	請參閱 6.4 節	合格
5	峰值輸出功率之要求	4.10.1.2 節(1)(C)	請參閱 2 章	請參閱 7.4 節	合格
6	混附波發射限制之要求	4.10.1.5 節	請參閱 2 章	請參閱 8.4 節	合格
7	功率密度之要求	4.10.1.6 節(2)(B)	請參閱 2 章	請參閱 9.4 節	合格

本實驗室已依據合約內的標準，降低儀器、環境、人員等不確定因素。因此測試結果將直接依照標準要求判定之。



報告簽署人：

廖俊傑



1. 一般描述

1.1. 產品規格

Frequency Range	BT / BLE: 2400-2480MHz 802.11b/g/n: 2412-2462MHz 802.11a/n/ac: 5180-5240MHz, 5260-5320MHz, 5500-5700MHz, 5745-5825MHz
Modulation Type	BT: GFSK, $\pi/4$ -DQPSK, 8DPSK BLE: GFSK 802.11b: CCK, DQPSK, DBPSK 802.11g/n/a: BPSK, QPSK, 16QAM, 64QAM 802.11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM
Modulation Technology	DSSS, OFDM, FHSS, DTS
Data Rate	BT: GFSK: 1Mbps, $\pi/4$ -DQPSK: 2Mbps, 8DPSK: 3Mbps BLE: GFSK: 1Mbps, GFSK: 2Mbps WLAN: 802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS7, HT20/40 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11ac: MCS0 – MCS9, VHT20/40/80
Antenna Type	Internal Antenna
Antenna Gain	For BT/BLE: 2402-2480MHz ANT A: 2.60dBi For WLAN 2.4G: 2412-2462MHz ANT A: 2.60dBi For WLAN 5G: 5180-5825MHz ANT A: 4.60dBi
USB TYPE-C Cable	Brand: Ubiquiti Model: 325-00520-02
Adapter	Brand: Ubiquiti Model: NY-PW0H1-05002000

Note:

1. WLAN and BT can simultaneously transmission.
2. EUT supports DFS Client Mode, without radar detection.
3. For more details, please refer to the User's manual of the EUT.

1.2. 差異說明

無。



1.3. 無線界面規格及頻道對應頻率

802.11b, 802.11g, 802.11n HT20 (2412MHz~2462MHz)

Channel	Frequency(MHz)	Channel	Frequency(MHz)
*01	2412	07	2442
02	2417	08	2447
03	2422	09	2452
04	2427	10	2457
05	2432	*11	2462
*06	2437	---	---

*為量測之頻率

802.11n HT40 (2422MHz~2452MHz)

Channel	Frequency(MHz)	Channel	Frequency(MHz)
---	---	07	2442
---	---	08	2447
*03	2422	*09	2452
04	2427	---	---
05	2432	---	---
*06	2437	---	---

*為量測之頻率



1.4. 測試模式之描述

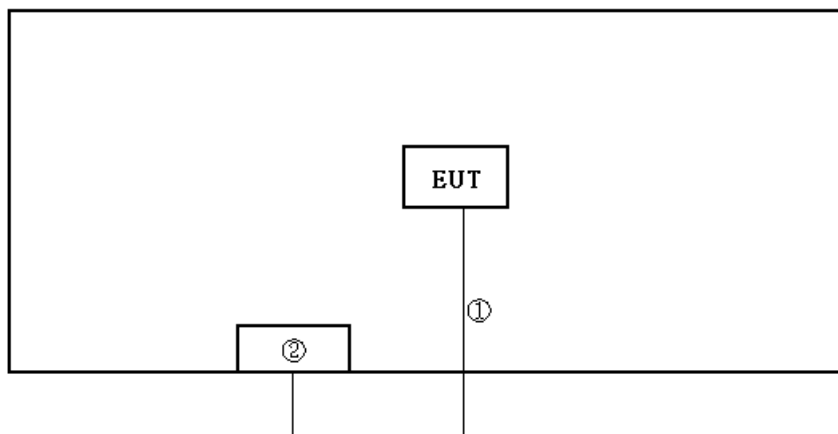
- 電源傳導及輻射測試之測試軟體如下:
 1. 將量測系統之全部電源打開。
 2. 於測試進行的同時，在 Windows OS system 作業系統下，待測物執行“wl command(無版本)”傳送及接收訊號。
- 執行以下測試模式如下：

Conducted Emissions from the AC mains power ports	
Test Mode	Operating Description
1	802.11b (11Mbps) , Transmitter Mode
2	802.11g (6Mbps) , Transmitter Mode
3	802.11n HT20 (6.5Mbps) , Transmitter Mode
4	802.11n HT40 (13.5Mbps) , Transmitter Mode
5	802.11b (1Mbps) , Receiver Mode
6	802.11g (6Mbps) , Receiver Mode
7	802.11n HT20 (6.5Mbps) , Receiver Mode
8	802.11n HT40 (13.5Mbps) , Receiver Mode
caused “Test Mode 2, 6” generated the worst case, it was reported as the final data.	
Radiation Emissions (30MHz ~ 1GHz)	
Test Mode	Operating Description
1	802.11b (11Mbps) , Transmitter Mode
2	802.11g (6Mbps) , Transmitter Mode
3	802.11n HT20 (6.5Mbps) , Transmitter Mode
4	802.11n HT40 (13.5Mbps) , Transmitter Mode
5	802.11b (1Mbps) , Receiver Mode
6	802.11g (6Mbps) , Receiver Mode
7	802.11n HT20 (6.5Mbps) , Receiver Mode
8	802.11n HT40 (13.5Mbps) , Receiver Mode
caused “Test Mode 2, 6” generated the worst case, it was reported as the final data.	
Radiation Emissions (1GHz ~ 25GHz)	
Test Mode	Operating Description
1	802.11b (11Mbps) , Transmitter Mode
2	802.11g (6Mbps) , Transmitter Mode
3	802.11n HT20 (6.5Mbps) , Transmitter Mode
4	802.11n HT40 (13.5Mbps) , Transmitter Mode
5	802.11b (1Mbps) , Receiver Mode
6	802.11g (6Mbps) , Receiver Mode
7	802.11n HT20 (6.5Mbps) , Receiver Mode
8	802.11n HT40 (13.5Mbps) , Receiver Mode
caused “Test Mode 1~4, 6” generated the worst case, they were reported as the final data.	

Modulation Type	TX CONFIGURATION
802.11b	1TX
802.11g	1TX
802.11n HT20	1TX
802.11n HT40	1TX



1.5. 受測裝置之系統說明



Under Table

Remote Site

①USB TYPE-C Cable(隨貨配件)

②Adapter(隨貨配件)

「本案經申請者切結器材不提供隨貨配件，配件由實驗室提供併同檢驗」，及其廠牌型號資訊如下：
無。



1.6. 測試場地

測試場地：	世騰電子科技股份有限公司測試實驗室 338 桃園市蘆竹區聯福街 2 巷 10 號
測試電壓：	AC 110V / 60Hz
適用規範：	本測試報告之所有項目皆依據國家通訊傳播委員會低功率射頻電機技術規範以及參考 ANSI、FCC/47CFR/2.1046、2.1047、2.1049、2.1051、2.1053 及 2.1055 之檢驗法。
測試頻率：	電源傳導：從 150 kHz 到 30 MHz。 場強輻射：從 30 MHz 到 25000 MHz。
測試天線的距離：	場強輻射之測試距離為 3 M。

Test Item	Test Site	Test period	Environmental Conditions	Tested By
RF Conducted	RFCON01-NK	2020/07/31	24°C / 60%	Vic Yeh
Radiated Emissions (LF, TX)	3M02-NK	2020/12/08	26°C / 48%	Leon Huang
Radiated Emissions (LF, RX)	3M02-NK	2020/12/08	26°C / 48%	Leon Huang
Radiated Emissions (HF, TX)	3M02-NK	2020/07/23~2020/07/24	24~25°C / 50~52%	Vic Yeh
Radiated Emissions (HF, RX)	3M02-NK	2020/12/08	26°C / 48%	Leon Huang
AC Power Line Conducted Emission	CON01-NK	2020/12/04	21°C / 56%	Dian Chen

1.7. 量測不確定度

Measurement Item	Uncertainty
AC Power Line Conduction(150K~30MHz)	±3.63dB
Radiated Spurious Emission(9KHz~30MHz)	±3.404dB
Radiated Spurious Emission(30MHz~1GHz)	±5.686dB
Radiated Spurious Emission(1GHz~25GHz)	±6.597dB
Conducted Spurious Emission	±2.022dB
6dB Bandwidth	±4.482%
20dB Bandwidth	±4.40%
Occupied Bandwidth	±4.40%
Peak Output Power(Conducted Power Meter)	±1.02dB
Dwell Time	±3.49%
Power Spectral Density	±1.963dB
Duty Cycle	±3.47%



2. 測試儀器

Radiated Emissions(HF, TX): Test Mode 1~4

Test Item	Radiated Emissions				
Test Site	Semi Anechoic Room(3M02-NK)				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Horn Antenna	EMCO	3115	31589	2020/03/26	2021/03/25
Horn Antenna	EMCO	3116	31974	2019/09/17	2020/09/16
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	101329	2020/07/07	2021/07/06
Preamplifier	EMC INSTRUMENTS	EMC051845SE	980333	2019/09/20	2020/09/19
Preamplifier	Agilent	8449B	3008A01954	2020/03/16	2021/03/15
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2019/11/07	2020/11/06
Cable-0.5m(1G-18G)	HUBER SUHNER	SUCOFLEX 100	805443/4	2020/05/27	2021/05/26
Cable-3m(1G-18G)	HUBER SUHNER	SUCOFLEX 100	805796/4	2020/05/27	2021/05/26
Cable-8m(1G-18G)	HUBER SUHNER	SUCOFLEX 100	805795/4	2020/05/27	2021/05/26
Cable-0.5m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	28420/2	2020/04/01	2021/03/31
Cable-3m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	MY2608/2	2020/04/01	2021/03/31
Cable-0.5m(1G-40G)	Rapidtek	40GHZ 50CM	38MS-38MS50314	2020/04/09	2021/04/08
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA



Radiated Emissions(LF, TX/RX),(HF, RX): Test Mode 5~8

Test Item	Radiated Emissions				
Test Site	Semi Anechoic Room(3M02-NK)				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Bilog Antenna	Schwarzbeck	VULB9168	369	2020/04/10	2021/04/09
Active Loop Antenna	EMCO	6507	40855	2020/05/21	2021/05/20
Horn Antenna	EMCO	3115	31601	2020/10/16	2021/10/15
Horn Antenna	EMCO	3116	31970	2020/03/26	2021/03/25
EMI Receiver	ROHDE & SCHWARZ	ESCI	101423	2020/06/23	2021/06/22
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	102151	2020/08/03	2021/08/02
Preamplifier	EM Electronics corp.	EM330	60660	2020/03/16	2021/03/15
Preamplifier	Agilent	8449B	3008A01954	2020/03/16	2021/03/15
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2020/11/06	2021/11/05
Bluetooth Tester	ROHDE & SCHWARZ	CBT	101133	2020/04/07	2021/04/06
Cable-3in1(30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1315	2020/04/09	2021/04/08
Cable-0.5m(1G-18G)	HUBER SUHNER	SUCOFLEX 100	805443/4	2020/05/27	2021/05/26
Cable-3m(1G-18G)	HUBER SUHNER	SUCOFLEX 100	805796/4	2020/05/27	2021/05/26
Cable-8m(1G-18G)	HUBER SUHNER	SUCOFLEX 100	805795/4	2020/05/27	2021/05/26
Cable-0.5m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	28420/2	2020/04/01	2021/03/31
Cable-3m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	MY2608/2	2020/04/01	2021/03/31
Cable-0.5m(1G-40G)	Rapidtek	40GHZ 50CM	38MS-38MS50314	2020/04/09	2021/04/08
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130606	2020/03/11	2021/03/10
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA

Test Item	RF Conducted				
Test Site	RFCON01-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	101329	2020/07/07	2021/07/06
Bluetooth Tester	ROHDE & SCHWARZ	CBT	101133	2020/04/07	2021/04/06
CAX Signal Analyzer	KEYSIGHT	N9000B	MY57100339	2019/11/25	2020/11/24
Attenuator	KEYSIGHT	8491B	MY39250703	2020/04/17	2021/04/16
TEMP & HUMIDITY CHAMBER	T-MACHINE	TMJ-9712	T-12-040111	2019/08/28	2020/08/27
Power Meter	Anritsu	ML2495A	1224005	2020/04/17	2021/04/16
Power Sensor	Anritsu	MA2411B	1207295	2020/04/17	2021/04/16



Test Item	AC Power Line Conducted Emission				
Test Site	CON01-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
EMI Receiver	ROHDE & SCHWARZ	ESCI	100443	2020/05/25	2021/05/24
Line Impedance Stabilization Network	Schwarzbeck	NSLK 8127	8127-568	2020/03/12	2021/03/11
Pulse Limiter	ROHDE & SCHWARZ	ESH3-Z2	101934	2020/03/11	2021/03/10
Cable-6m(9k~300M)	NA	CFD300-NL	NA	2020/03/11	2021/03/10
E3	AUDIX	v8.2014-8-6	RK-000531	NA	NA



3. 天線增益之要求

天線規格不受國家通訊傳播委員會低功率射頻電機技術規範(3.2)節規定之限制，其發射天線之方向性增益超過 6dBi 時，應依其所超過之 dB 數等量降低峰值輸出功率。如用於固定式點對點操作時，應符合下列情形之一：

操作於 2400-2483.5 兆赫(MHz)者，其發射天線之方向性增益超過 6dBi，應於每超過 3dB 降低 1dB 之峰值輸出功率。

操作於 5725-5850 兆赫(MHz)者，其發射天線之方向性增益超過 6dBi，不需降低峰值輸出功率。

3.1. 天線型式及其增益

1.1 Brand :	UBIQUITI
1.2 Model :	117-03157
1.3 Antenna type :	PCB Antenna
1.4 Frequency Rang :	2400-2462MHz
1.5 Gain(peak) :	2.60dBi
(參照天線規格資料)	

3.2. 結果判定

其發射天線之方向性增益低於 6dBi，因此無需降低峰值輸出功率。

4. 電源線傳導干擾之量測規定

4.1. 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範之 3.3 節，電源傳導干擾之限制要求如下：

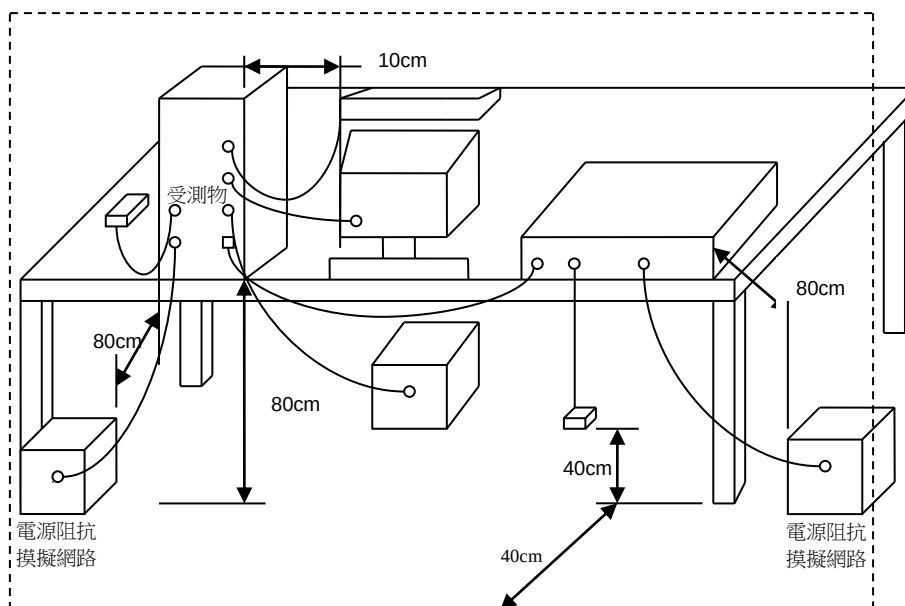
頻率範圍(MHz)	傳導限制值 (dB μ V)	
	準峰值(Quasi-peak)	平均值(Average)
0.15 ~ 0.5	66-56 (註)	56-46 (註)
0.5 ~ 5	56	46
5 ~ 30	60	50

註：隨頻率之對數遞減

4.2. 測試方法

將待測物置於 0.8 米高的非金屬桌面，使其在工作狀態，待測物電源線接至電源線接至電源阻抗穩定網路上，從測試接收機記錄頻率由 0.15MHz 至 30MHz 之間之電源線導放射強度。

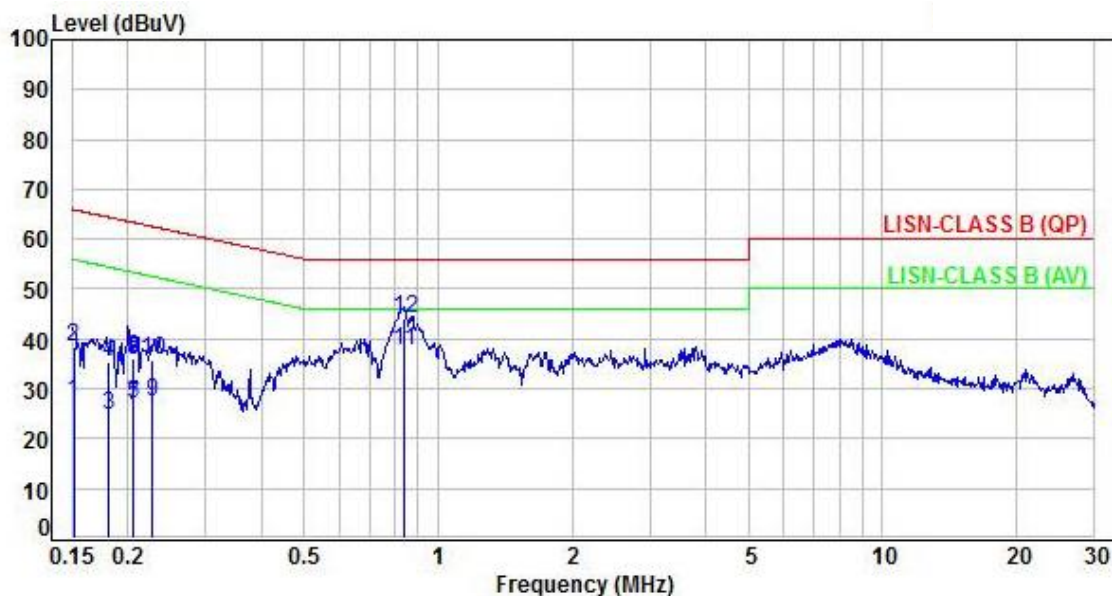
4.3. 傳導干擾之擺設





4.4. 傳導干擾之測試結果及數據

Power	: AC 110V / 60Hz	Pol/Phase	: LINE
Test Mode	: Mode 2		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV)	Limit (dBUV)	Margin (dB)	Detector	P/F
1	0.15	10.05	17.33	27.38	55.94	-28.56	Average	P
2	0.15	10.05	28.35	38.40	65.94	-27.54	QP	P
3	0.18	10.05	14.78	24.83	54.42	-29.59	Average	P
4	0.18	10.05	25.39	35.44	64.42	-28.98	QP	P
5	0.21	10.05	16.86	26.91	53.38	-26.47	Average	P
6	0.21	10.05	26.21	36.26	63.38	-27.12	QP	P
7	0.21	10.05	16.67	26.72	53.37	-26.65	Average	P
8	0.21	10.05	25.53	35.58	63.37	-27.79	QP	P
9	0.23	10.05	17.15	27.20	52.56	-25.36	Average	P
10	0.23	10.05	25.65	35.70	62.56	-26.86	QP	P
11	0.84	10.07	27.42	37.49	46.00	-8.51	Average	P
12	0.84	10.07	34.12	44.19	56.00	-11.81	QP	P

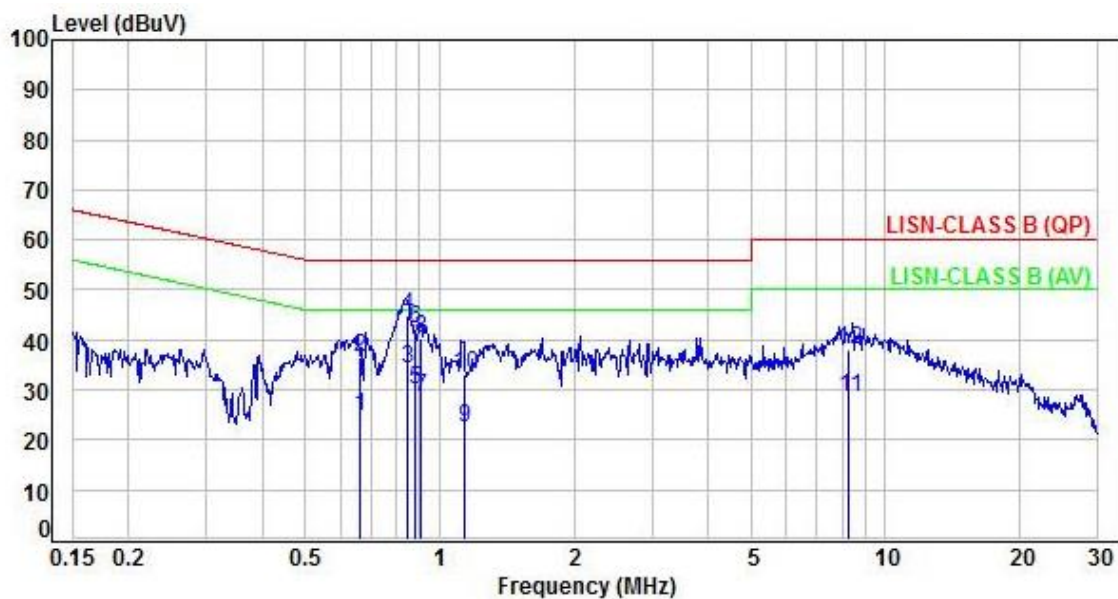
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=(LISN or ISN or Current Probe)Factor + Cable Loss



Power	: AC 110V / 60Hz	Pol/Phase	: NEUTRAL
Test Mode	: Mode 2		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.66	10.03	14.87	24.90	46.00	-21.10	Average	P
2	0.66	10.03	26.29	36.32	56.00	-19.68	QP	P
3	0.85	10.04	24.15	34.19	46.00	-11.81	Average	P
4	0.85	10.04	34.79	44.83	56.00	-11.17	QP	P
5	0.88	10.04	19.97	30.01	46.00	-15.99	Average	P
6	0.88	10.04	32.26	42.30	56.00	-13.70	QP	P
7	0.91	10.05	18.48	28.53	46.00	-17.47	Average	P
8	0.91	10.05	30.30	40.35	56.00	-15.65	QP	P
9	1.14	10.05	12.33	22.38	46.00	-23.62	Average	P
10	1.14	10.05	22.84	32.89	56.00	-23.11	QP	P
11	8.28	10.37	18.14	28.51	50.00	-21.49	Average	P
12	8.28	10.37	27.60	37.97	60.00	-22.03	QP	P

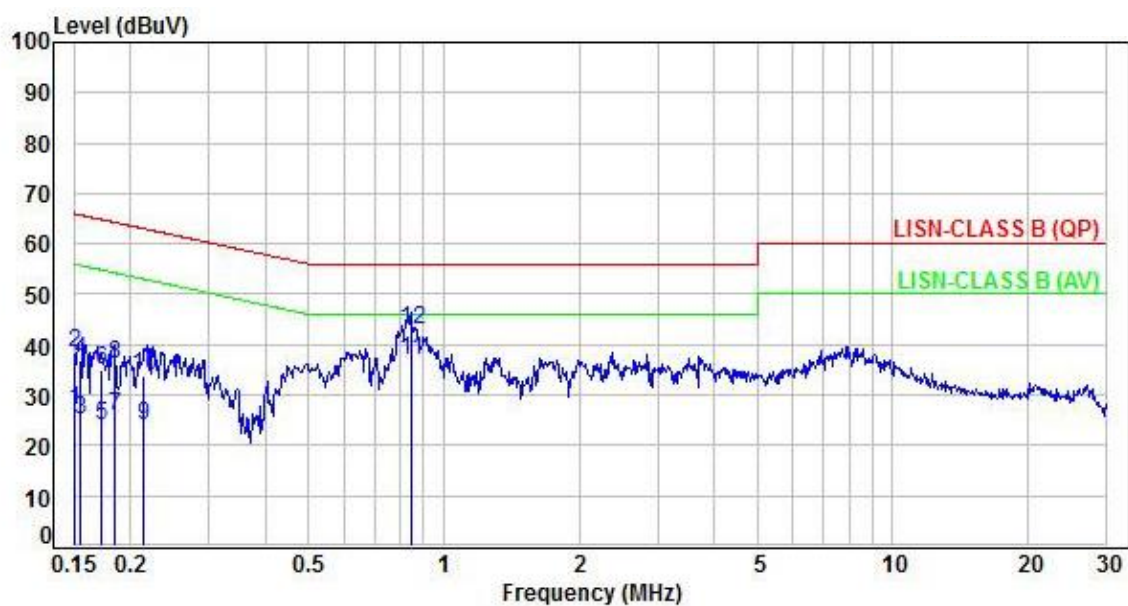
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=(LISN or ISN or Current Probe)Factor + Cable Loss



Power	: AC 110V / 60Hz	Pol/Phase	: LINE
Test Mode	: Mode 6		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.15	10.05	16.89	26.94	55.95	-29.01	Average	P
2	0.15	10.05	28.34	38.39	65.95	-27.56	QP	P
3	0.16	10.05	15.13	25.18	55.72	-30.54	Average	P
4	0.16	10.05	26.98	37.03	65.72	-28.69	QP	P
5	0.17	10.05	14.03	24.08	54.81	-30.73	Average	P
6	0.17	10.05	24.94	34.99	64.81	-29.82	QP	P
7	0.18	10.05	15.93	25.98	54.30	-28.32	Average	P
8	0.18	10.05	26.09	36.14	64.30	-28.16	QP	P
9	0.21	10.05	13.92	23.97	53.07	-29.10	Average	P
10	0.21	10.05	23.94	33.99	63.07	-29.08	QP	P
11	0.85	10.07	26.65	36.72	46.00	-9.28	Average	P
12	0.85	10.07	33.04	43.11	56.00	-12.89	QP	P

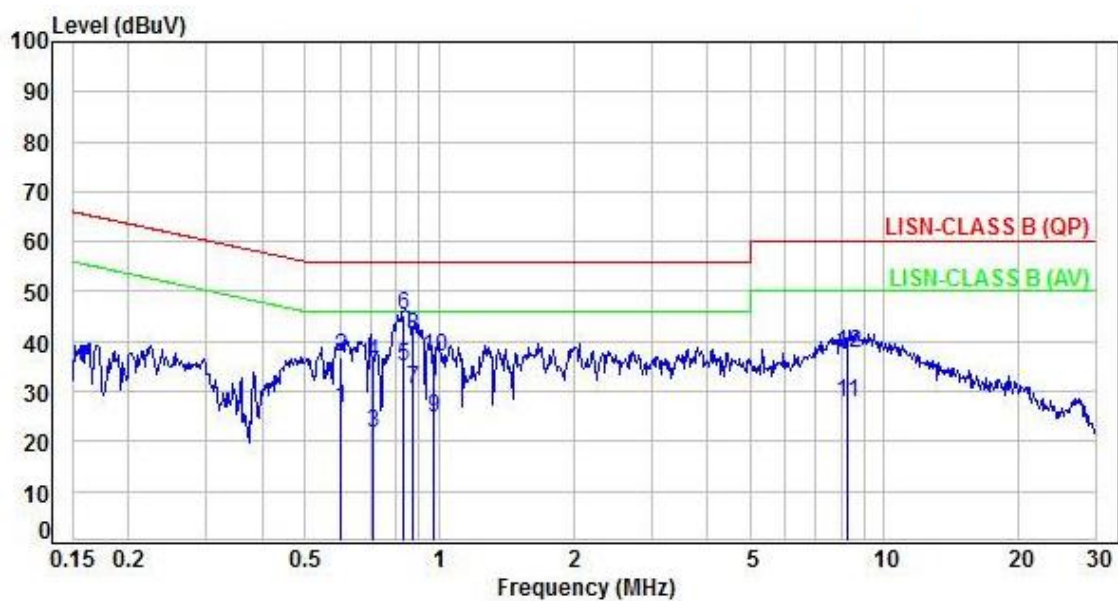
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=(LISN or ISN or Current Probe)Factor + Cable Loss



Power	: AC 110V / 60Hz	Pol/Phase	: NEUTRAL
Test Mode	: Mode 6		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.60	10.03	16.48	26.51	46.00	-19.49	Average	P
2	0.60	10.03	26.72	36.75	56.00	-19.25	QP	P
3	0.71	10.03	11.67	21.70	46.00	-24.30	Average	P
4	0.71	10.03	25.53	35.56	56.00	-20.44	QP	P
5	0.83	10.04	25.04	35.08	46.00	-10.92	Average	P
6	0.83	10.04	35.17	45.21	56.00	-10.79	QP	P
7	0.87	10.04	20.44	30.48	46.00	-15.52	Average	P
8	0.87	10.04	31.13	41.17	56.00	-14.83	QP	P
9	0.97	10.05	14.77	24.82	46.00	-21.18	Average	P
10	0.97	10.05	26.95	37.00	56.00	-19.00	QP	P
11	8.28	10.37	17.49	27.86	50.00	-22.14	Average	P
12	8.28	10.37	27.34	37.71	60.00	-22.29	QP	P

Note: Level=Reading+Factor

Margin=Level-Limit

Factor=(LISN or ISN or Current Probe)Factor + Cable Loss



5. 輻射之量測規定

5.1. 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範 4.10.1.5 節之要求，落於 3.5 節禁用頻段之輻射干擾需符合 3.6 節之一般限制要求：

頻率(MHz)	測試距離(m)	限制值(dB μ V)	限制值(μ V/m)
0.009 – 0.490 (含)	300	67.6 / f(kHz)	2400 / f(kHz)
0.490 (不含) – 1.705 (含)	30	87.6 / f(kHz)	24000 / f(kHz)
1.705(不含) – 30(不含)	30	29.5	30
30 (含) – 88 (含)	3	40.0	100
88(不含) – 216 (含)	3	43.5	150
216(不含) – 960 (含)	3	46.0	200
960(不含)以上	3	54.0	500

5.2. 測試方法

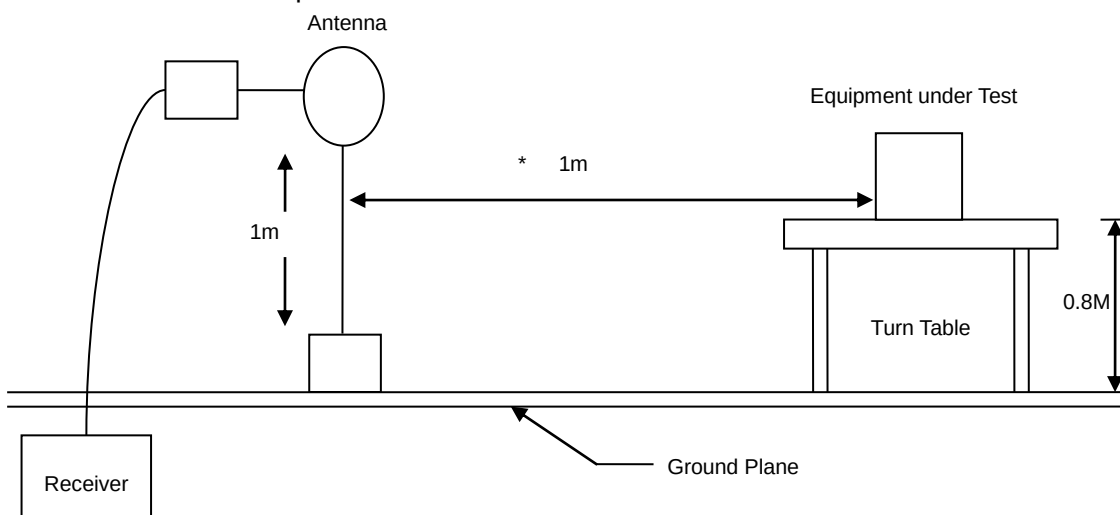
將待測物置於 0.8 米(Below 1G) & 1.5 米(Above 1G)高的非金屬桌面，使其在測試模式狀態，且設定為高、中、低各頻道產生最高峰值輸出功率的傳輸速率，接收天線置於 3 米外，且桌面要 360 度旋轉，另外接收天線也要從 1 米至 4 米升降變化，接收天線置於水平、垂直極向各執行測試一次。如待測物可以三軸相放置，並分別測試以找出最大輻射電場強度(最差的結果為 Y 軸)。

備註：

For Below 1G 若待測物之輻射峰值低於限制值 3dB 以上，則將終止測試，並以峰值之讀值作為報告之記錄;反之，若無 3dB 餘裕範圍之輻射，則每一訊號皆以準峰值之測試方法量測，並記錄於報告之中

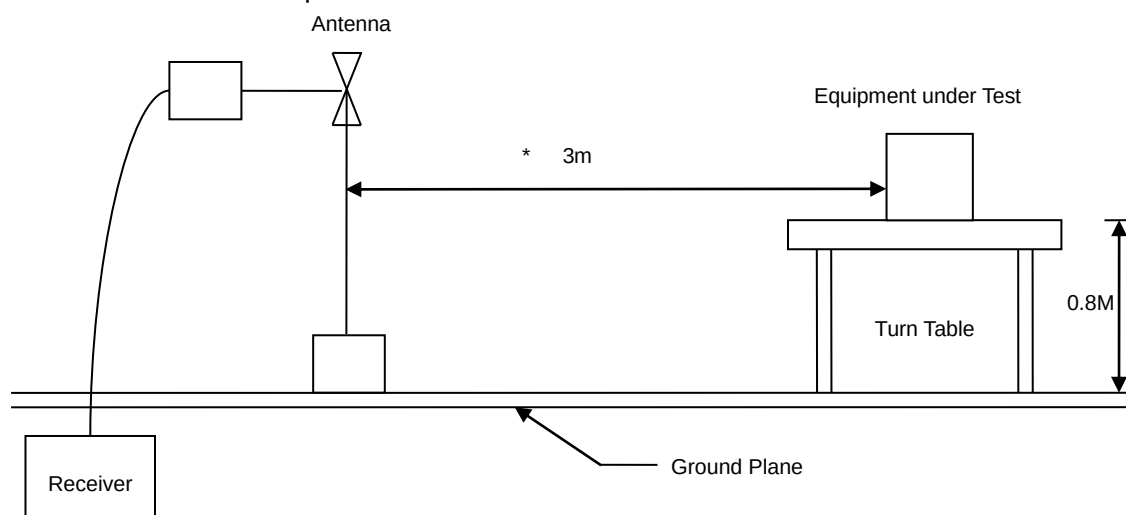
5.3. 輻射場地之擺設

Below 30MHz test setup

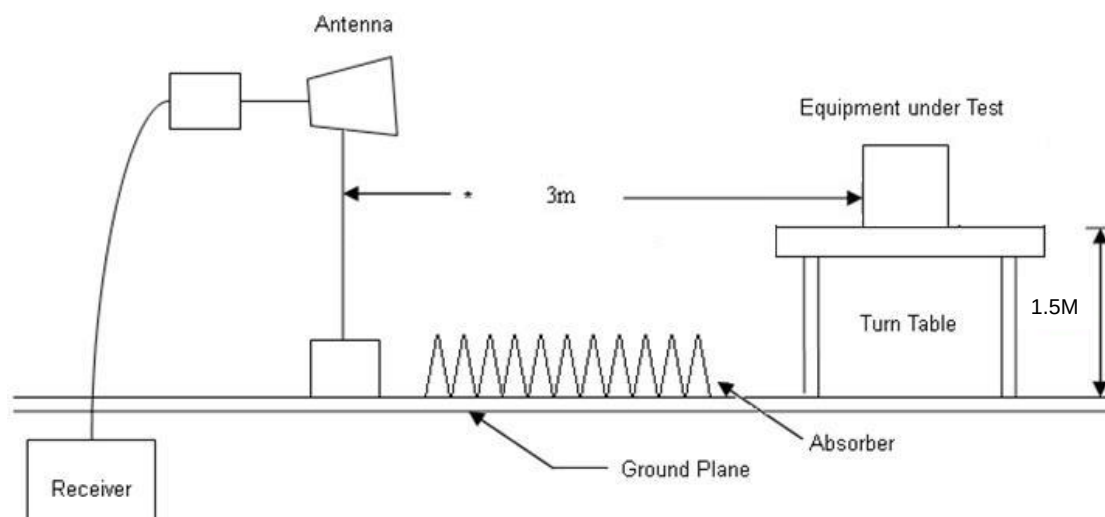




30MHz- 1GHz Test Setup



Above 1GHz Test Setup



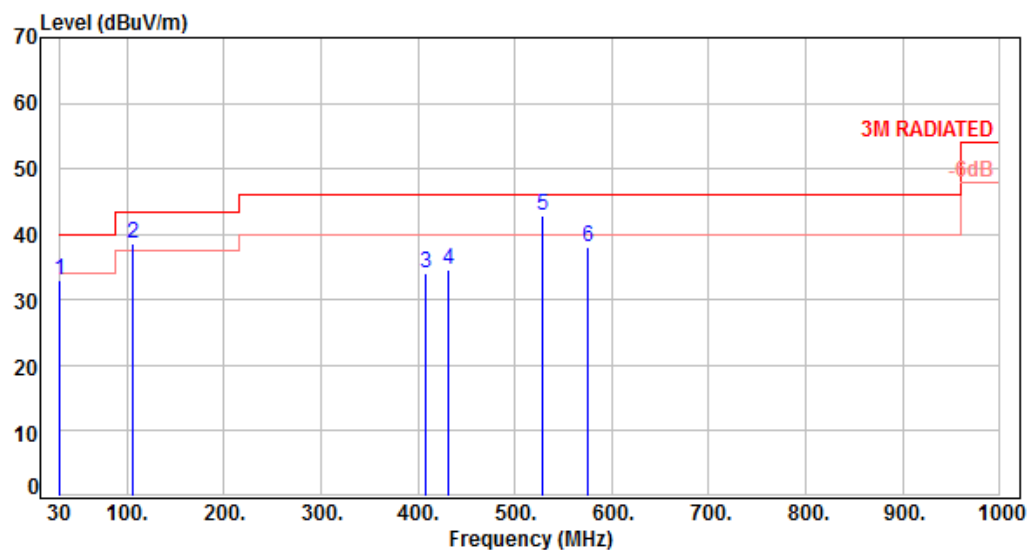


5.4. 輻射之測試結果及數據 (9kHz ~ 30MHz)

The 9kHz - 30MHz spurious emission is under limit 20dB more.

5.5. 輻射之測試結果及數據 (30MHz ~ 1GHz)

Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 2		



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	30.00	-10.42	43.56	33.14	40.00	-6.86	Peak	400	0	P
2	106.59	-12.99	51.46	38.47	43.50	-5.03	Peak	400	0	P
3	408.10	-5.62	39.73	34.11	46.00	-11.89	Peak	400	0	P
4	431.55	-4.98	39.54	34.56	46.00	-11.44	Peak	400	0	P
5	528.56	-3.12	45.90	42.78	46.00	-3.22	QP	100	45	P
6	576.11	-1.93	40.12	38.19	46.00	-7.81	Peak	400	0	P

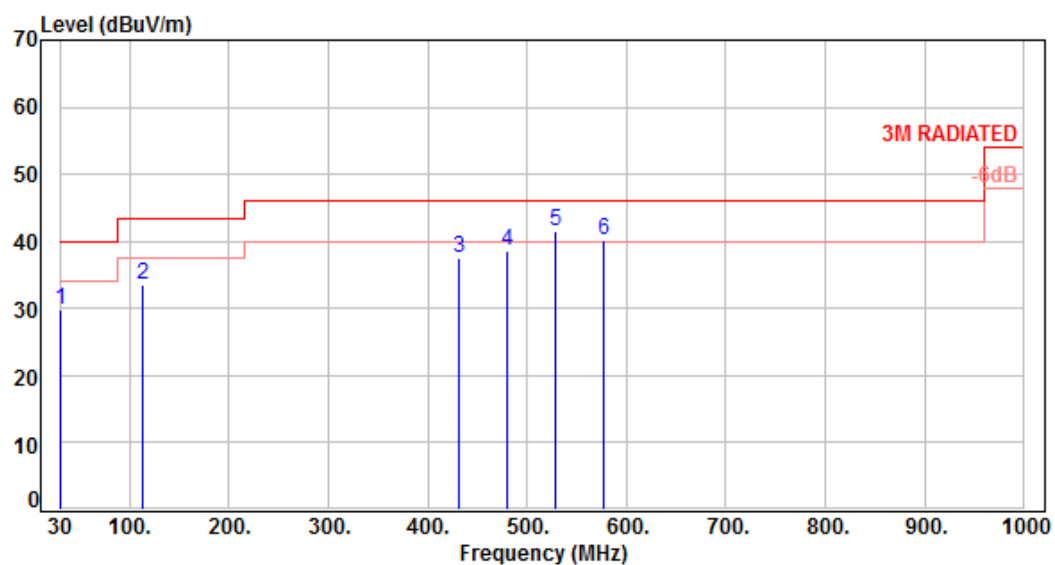
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2		



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	30.00	-10.42	40.24	29.82	40.00	-10.18	Peak	100	0	P
2	112.84	-12.16	45.78	33.62	43.50	-9.88	Peak	100	0	P
3	431.62	-4.98	42.56	37.58	46.00	-8.42	Peak	100	0	P
4	480.16	-4.10	42.78	38.68	46.00	-7.32	Peak	100	0	P
5	528.54	-3.12	44.70	41.58	46.00	-4.42	QP	100	145	P
6	576.46	-1.93	42.15	40.22	46.00	-5.78	Peak	100	0	P

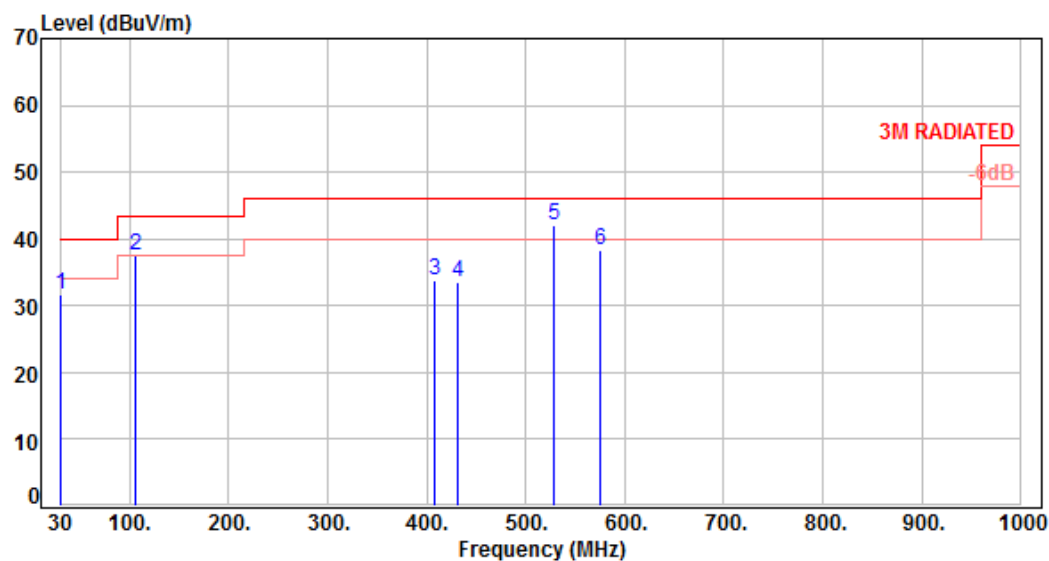
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 6		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	30.00	-10.42	42.16	31.74	40.00	-8.26	Peak	400	0	P
2	106.59	-12.99	50.43	37.44	43.50	-6.06	Peak	400	0	P
3	408.22	-5.62	39.45	33.83	46.00	-12.17	Peak	400	0	P
4	431.55	-4.98	38.47	33.49	46.00	-12.51	Peak	400	0	P
5	528.56	-3.12	45.25	42.13	46.00	-3.87	QP	100	50	P
6	576.11	-1.93	40.31	38.38	46.00	-7.62	Peak	400	0	P

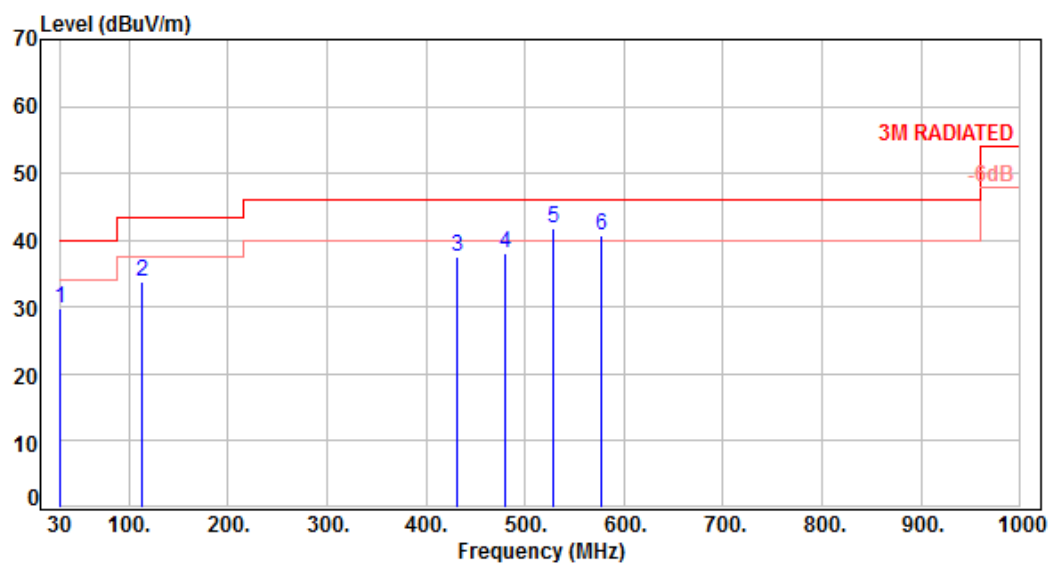
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	30.00	-10.42	40.17	29.75	40.00	-10.25	Peak	100	0	P
2	112.84	-12.16	45.86	33.70	43.50	-9.80	Peak	100	0	P
3	431.50	-4.98	42.58	37.60	46.00	-8.40	Peak	100	0	P
4	480.32	-4.10	42.14	38.04	46.00	-7.96	Peak	100	0	P
5	528.54	-3.12	44.90	41.78	46.00	-4.22	QP	100	155	P
6	576.46	-1.93	42.56	40.63	46.00	-5.37	Peak	100	0	P

Note: Level=Reading+Factor

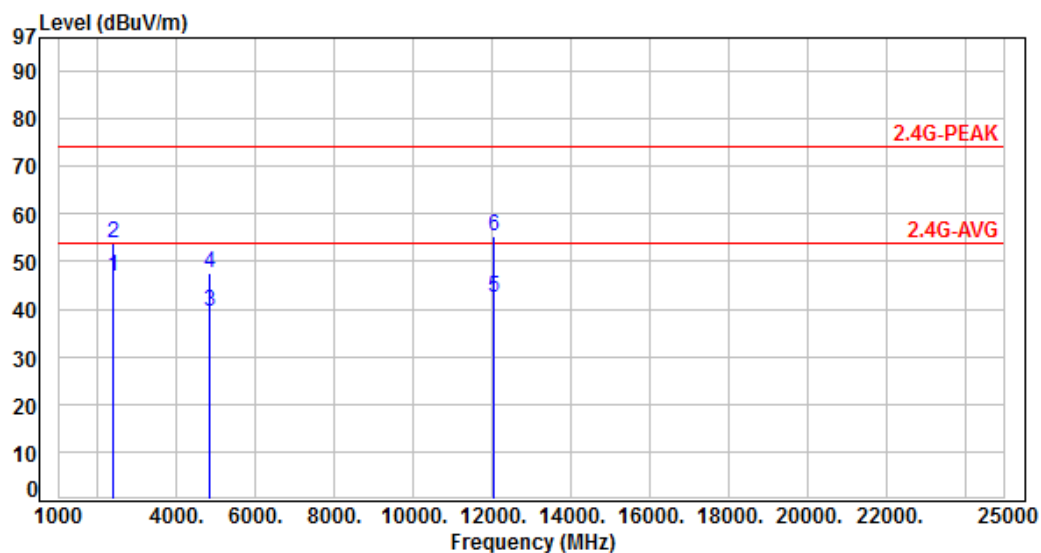
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



5.6. 輻射之測試結果及數據 (1GHz ~ 25GHz)

Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, CH01		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	49.74	46.85	54.00	-7.15	Average	373	235	P
2	2390.00	-2.89	56.64	53.75	74.00	-20.25	Peak	373	235	P
3	4824.00	4.88	34.42	39.30	54.00	-14.70	Average	100	69	P
4	4824.00	4.88	42.66	47.54	74.00	-26.46	Peak	100	69	P
5	12060.00	14.80	27.67	42.47	54.00	-11.53	Average	100	62	P
6	12060.00	14.80	40.62	55.42	74.00	-18.58	Peak	100	62	P

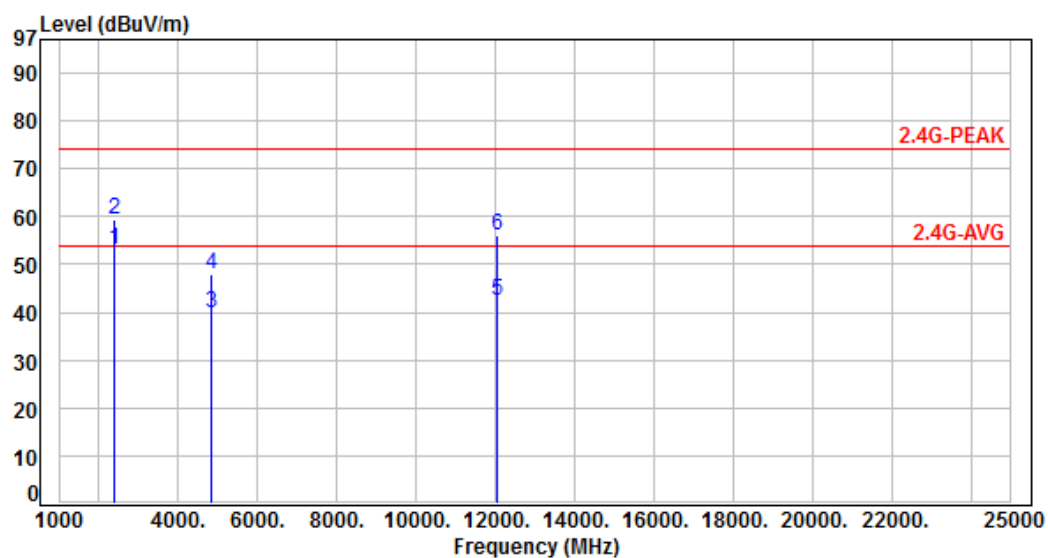
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, CH01		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	55.88	52.99	54.00	-1.01	Average	252	117	P
2	2390.00	-2.89	62.33	59.44	74.00	-14.56	Peak	252	117	P
3	4824.00	4.88	34.82	39.70	54.00	-14.30	Average	100	58	P
4	4824.00	4.88	43.05	47.93	74.00	-26.07	Peak	100	58	P
5	12060.00	14.80	27.68	42.48	54.00	-11.52	Average	100	106	P
6	12060.00	14.80	41.22	56.02	74.00	-17.98	Peak	100	106	P

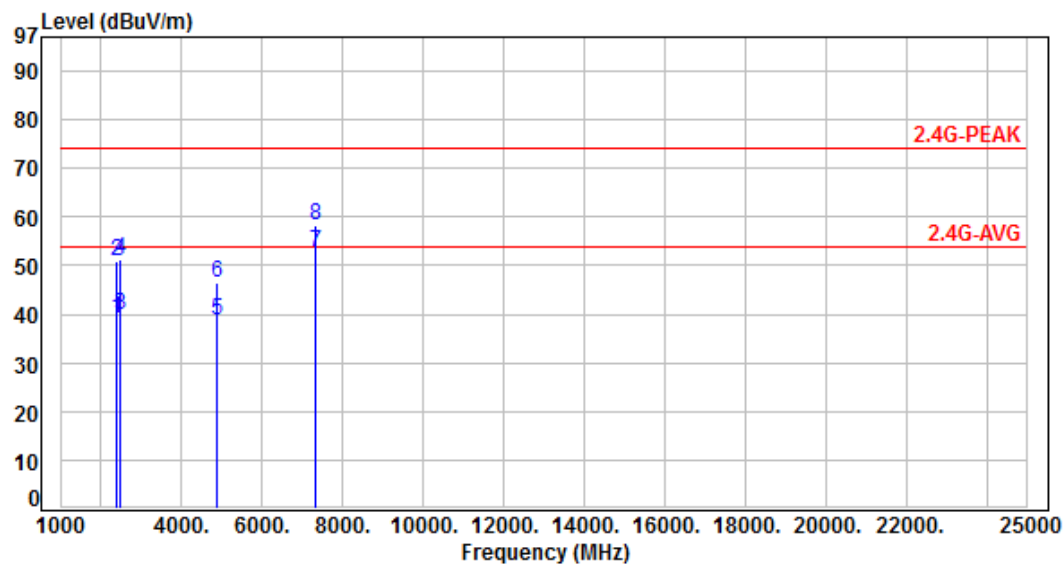
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, CH06		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	42.15	39.26	54.00	-14.74	Average	381	229	P
2	2390.00	-2.89	53.66	50.77	74.00	-23.23	Peak	381	229	P
3	2483.50	-2.69	42.57	39.88	54.00	-14.12	Average	381	229	P
4	2483.50	-2.69	54.11	51.42	74.00	-22.58	Peak	381	229	P
5	4874.00	5.09	33.65	38.74	54.00	-15.26	Average	100	65	P
6	4874.00	5.09	41.25	46.34	74.00	-27.66	Peak	100	65	P
7	7311.00	10.01	42.74	52.75	54.00	-1.25	Average	100	61	P
8	7311.00	10.01	48.15	58.16	74.00	-15.84	Peak	100	61	P

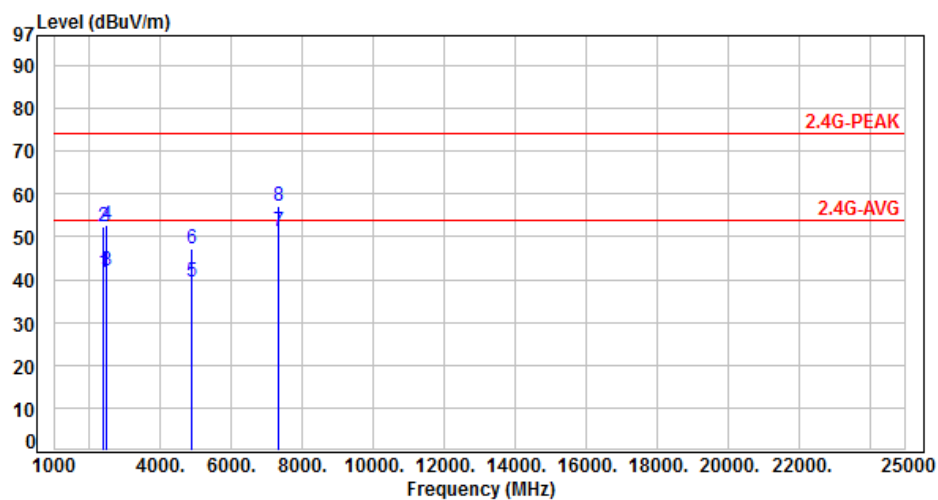
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, CH06		



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	44.69	41.80	54.00	-12.20	Average	249	139	P
2	2390.00	-2.89	55.08	52.19	74.00	-21.81	Peak	249	139	P
3	2483.50	-2.69	44.60	41.91	54.00	-12.09	Average	249	139	P
4	2483.50	-2.69	55.58	52.89	74.00	-21.11	Peak	249	139	P
5	4874.00	5.09	34.35	39.44	54.00	-14.56	Average	100	52	P
6	4874.00	5.09	42.03	47.12	74.00	-26.88	Peak	100	52	P
7	7311.00	10.01	41.40	51.41	54.00	-2.59	Average	191	153	P
8	7311.00	10.01	47.03	57.04	74.00	-16.96	Peak	191	153	P

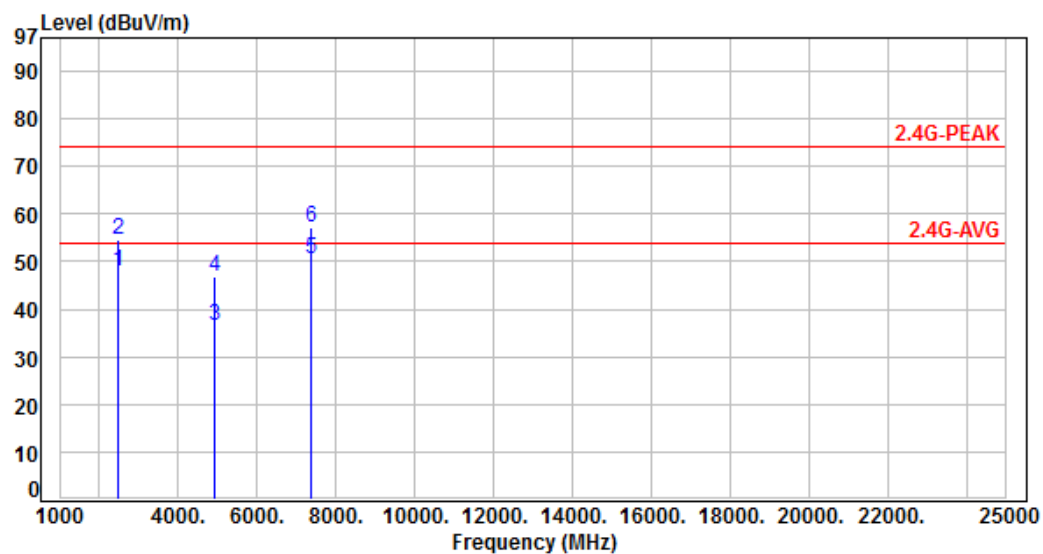
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, CH11		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-2.69	50.52	47.83	54.00	-6.17	Average	380	230	P
2	2483.50	-2.69	57.40	54.71	74.00	-19.29	Peak	380	230	P
3	4924.00	5.30	31.39	36.69	54.00	-17.31	Average	100	70	P
4	4924.00	5.30	41.36	46.66	74.00	-27.34	Peak	100	70	P
5	7386.00	10.14	40.45	50.59	54.00	-3.41	Average	100	58	P
6	7386.00	10.14	46.97	57.11	74.00	-16.89	Peak	100	58	P

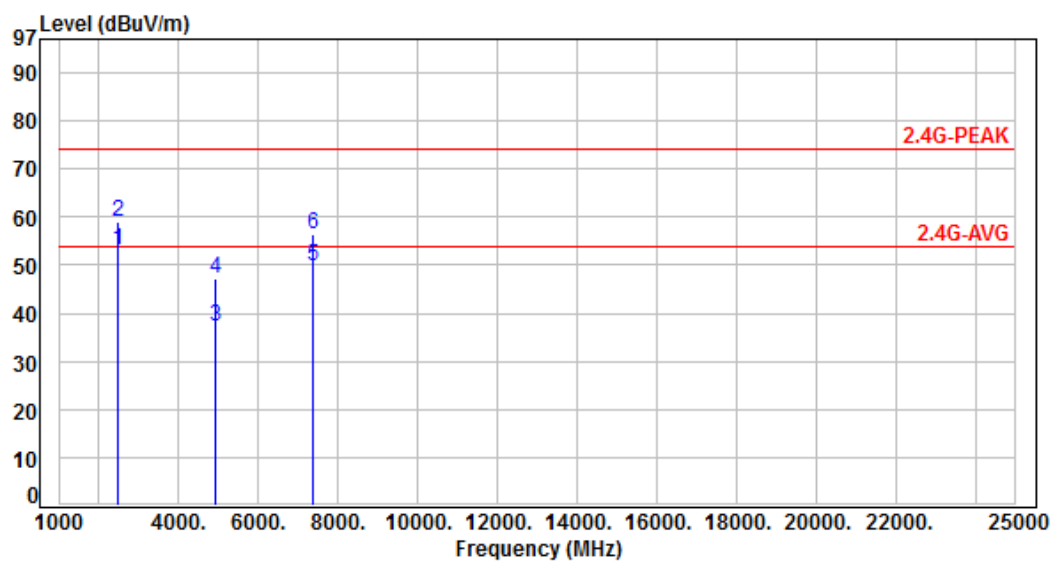
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, CH11		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-2.69	55.67	52.98	54.00	-1.02	Average	249	118	P
2	2483.50	-2.69	61.69	59.00	74.00	-15.00	Peak	249	118	P
3	4924.00	5.30	31.79	37.09	54.00	-16.91	Average	100	53	P
4	4924.00	5.30	41.76	47.06	74.00	-26.94	Peak	100	53	P
5	7386.00	10.14	39.73	49.87	54.00	-4.13	Average	193	160	P
6	7386.00	10.14	46.19	56.33	74.00	-17.67	Peak	193	160	P

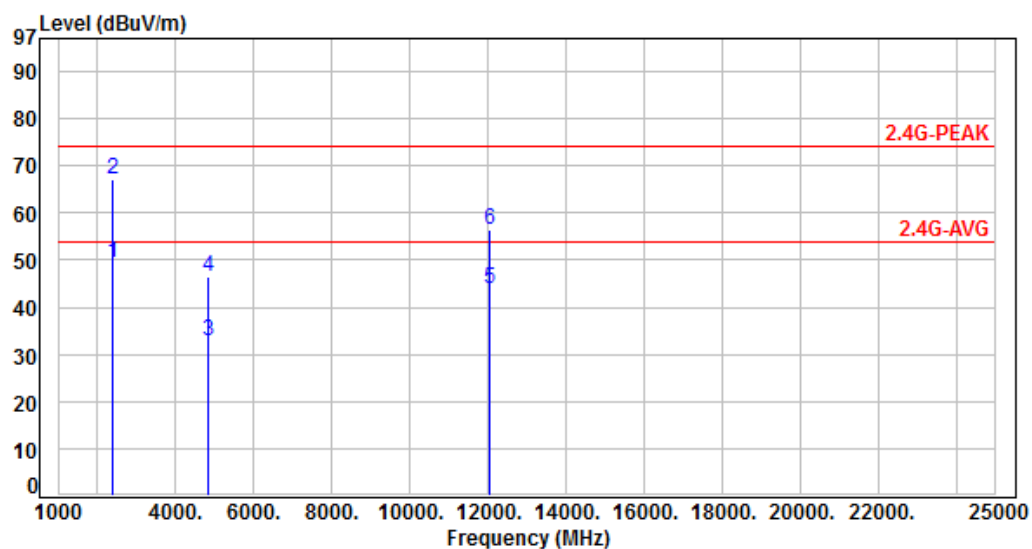
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH01		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	52.29	49.40	54.00	-4.60	Average	373	208	P
2	2390.00	-2.89	70.11	67.22	74.00	-6.78	Peak	373	208	P
3	4824.00	4.88	28.06	32.94	54.00	-21.06	Average	100	82	P
4	4824.00	4.88	41.56	46.44	74.00	-27.56	Peak	100	82	P
5	12060.00	14.80	29.21	44.01	54.00	-9.99	Average	100	321	P
6	12060.00	14.80	41.56	56.36	74.00	-17.64	Peak	100	321	P

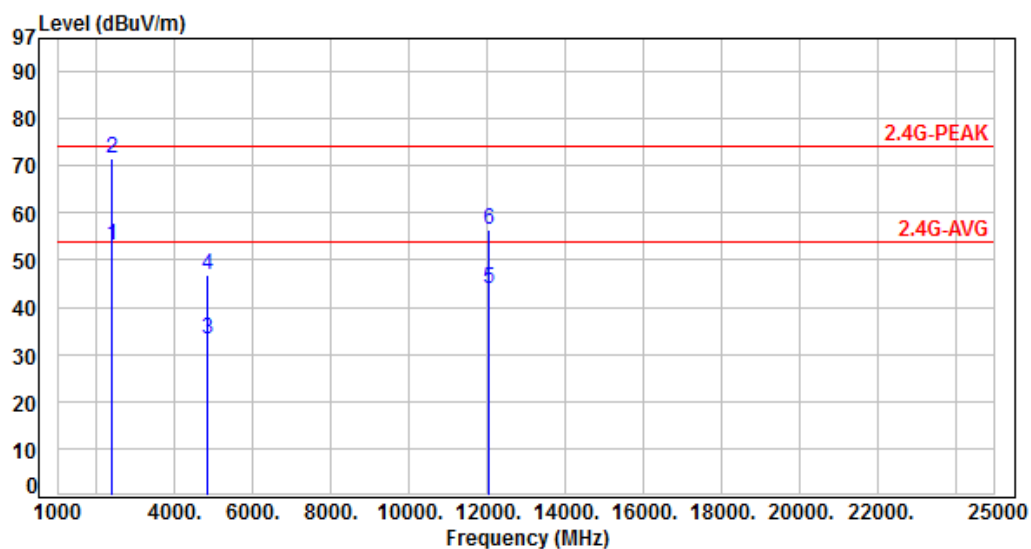
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH01		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	55.89	53.00	54.00	-1.00	Average	265	122	P
2	2390.00	-2.89	74.59	71.70	74.00	-2.30	Peak	265	122	P
3	4824.00	4.88	28.46	33.34	54.00	-20.66	Average	100	53	P
4	4824.00	4.88	41.92	46.80	74.00	-27.20	Peak	100	53	P
5	12060.00	14.80	29.15	43.95	54.00	-10.05	Average	100	142	P
6	12060.00	14.80	41.52	56.32	74.00	-17.68	Peak	100	142	P

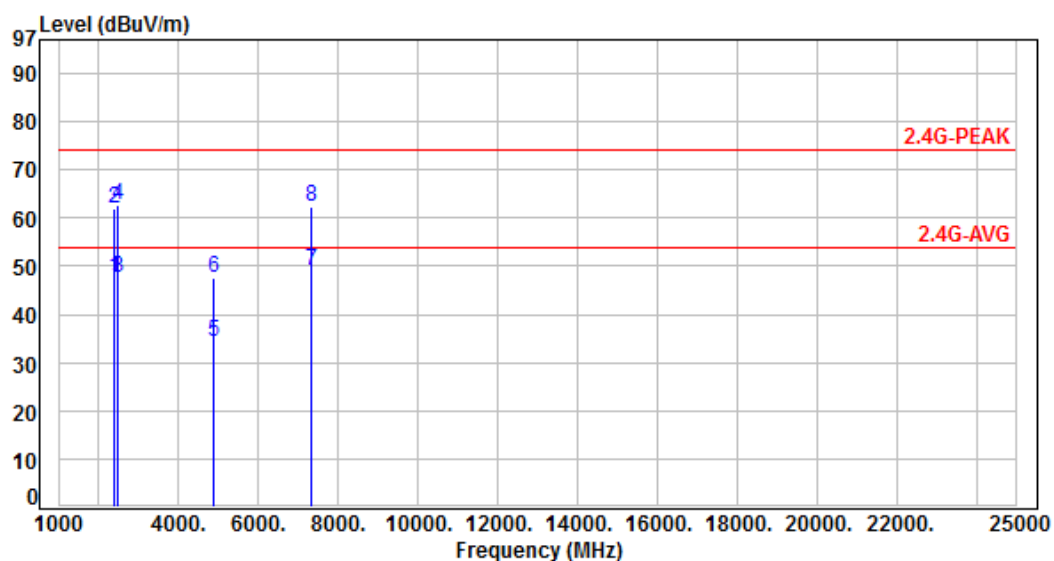
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH06		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	50.49	47.60	54.00	-6.40	Average	387	234	P
2	2390.00	-2.89	64.74	61.85	74.00	-12.15	Peak	387	234	P
3	2483.50	-2.69	50.18	47.49	54.00	-6.51	Average	387	234	P
4	2483.50	-2.69	65.30	62.61	74.00	-11.39	Peak	387	234	P
5	4874.00	5.09	29.15	34.24	54.00	-19.76	Average	100	67	P
6	4874.00	5.09	42.53	47.62	74.00	-26.38	Peak	100	67	P
7	7311.00	10.01	38.89	48.90	54.00	-5.10	Average	100	56	P
8	7311.00	10.01	52.23	62.24	74.00	-11.76	Peak	100	56	P

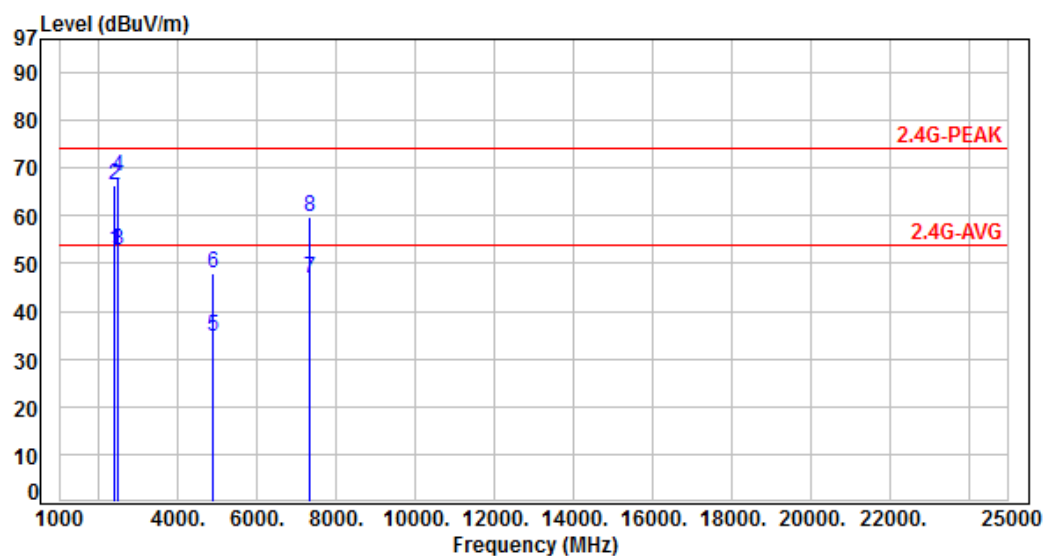
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH06		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	55.47	52.58	54.00	-1.42	Average	237	130	P
2	2390.00	-2.89	69.35	66.46	74.00	-7.54	Peak	237	130	P
3	2483.50	-2.69	55.40	52.71	54.00	-1.29	Average	237	130	P
4	2483.50	-2.69	71.08	68.39	74.00	-5.61	Peak	237	130	P
5	4874.00	5.09	29.41	34.50	54.00	-19.50	Average	100	51	P
6	4874.00	5.09	42.88	47.97	74.00	-26.03	Peak	100	51	P
7	7311.00	10.01	36.89	46.90	54.00	-7.10	Average	202	150	P
8	7311.00	10.01	49.56	59.57	74.00	-14.43	Peak	202	150	P

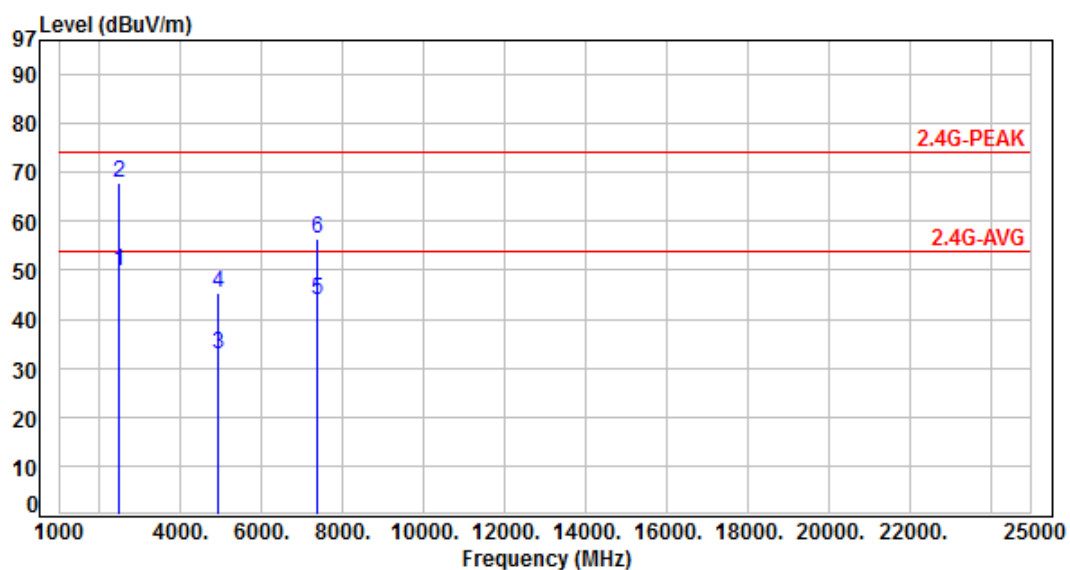
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH11		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-2.69	52.63	49.94	54.00	-4.06	Average	381	241	P
2	2483.50	-2.69	70.52	67.83	74.00	-6.17	Peak	381	241	P
3	4924.00	5.30	27.65	32.95	54.00	-21.05	Average	100	78	P
4	4924.00	5.30	40.12	45.42	74.00	-28.58	Peak	100	78	P
5	7386.00	10.14	33.69	43.83	54.00	-10.17	Average	100	58	P
6	7386.00	10.14	46.16	56.30	74.00	-17.70	Peak	100	58	P

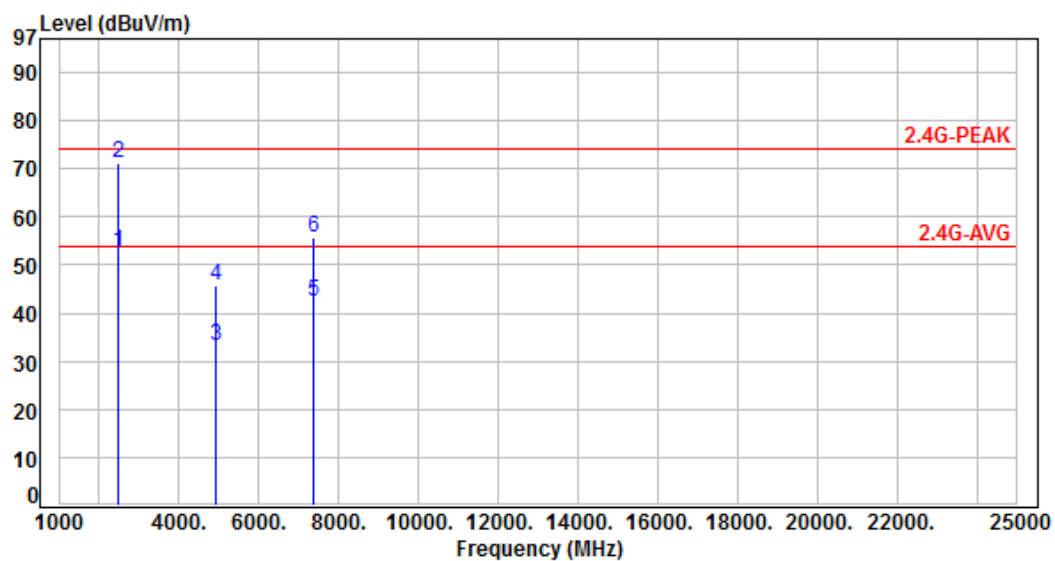
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH11		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-2.69	55.57	52.88	54.00	-1.12	Average	233	129	P
2	2483.50	-2.69	73.90	71.21	74.00	-2.79	Peak	233	129	P
3	4924.00	5.30	27.85	33.15	54.00	-20.85	Average	100	48	P
4	4924.00	5.30	40.56	45.86	74.00	-28.14	Peak	100	48	P
5	7386.00	10.14	32.31	42.45	54.00	-11.55	Average	193	164	P
6	7386.00	10.14	45.56	55.70	74.00	-18.30	Peak	193	164	P

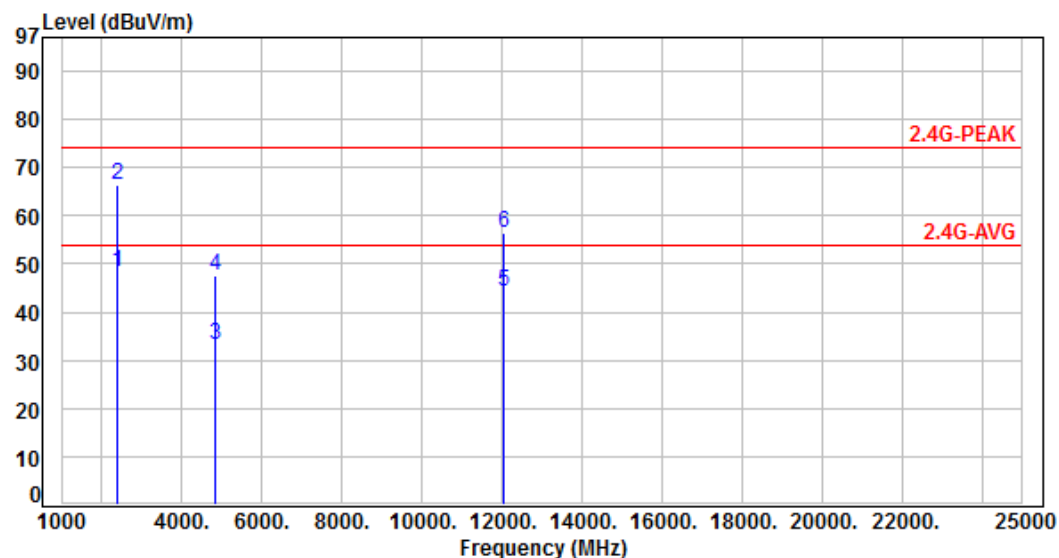
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 3, CH01		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	51.22	48.33	54.00	-5.67	Average	373	206	P
2	2390.00	-2.89	69.45	66.56	74.00	-7.44	Peak	373	206	P
3	4824.00	4.88	28.26	33.14	54.00	-20.86	Average	100	85	P
4	4824.00	4.88	42.64	47.52	74.00	-26.48	Peak	100	85	P
5	12060.00	14.80	29.36	44.16	54.00	-9.84	Average	100	318	P
6	12060.00	14.80	41.78	56.58	74.00	-17.42	Peak	100	318	P

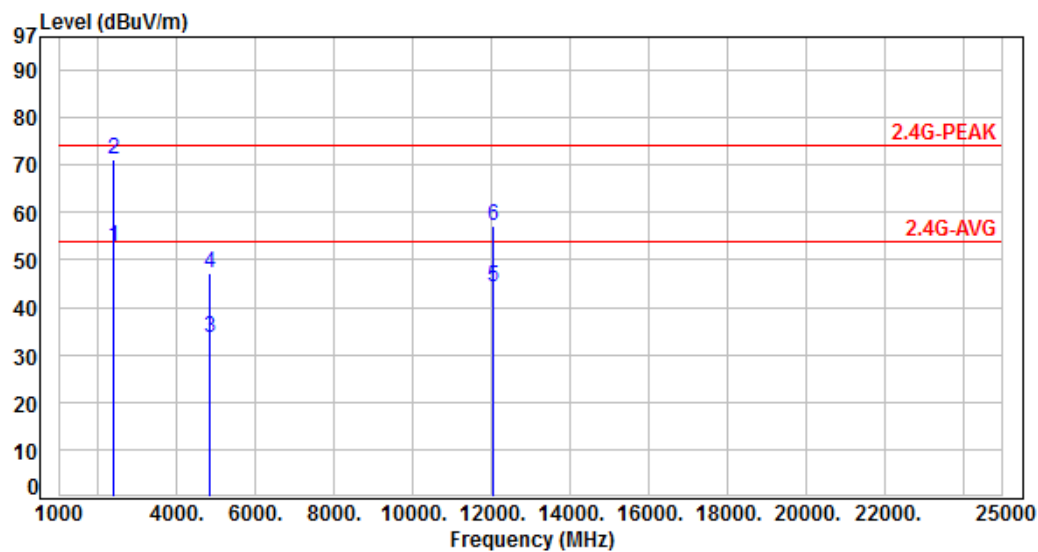
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 3, CH01		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	55.62	52.73	54.00	-1.27	Average	252	128	P
2	2390.00	-2.89	74.22	71.33	74.00	-2.67	Peak	252	128	P
3	4824.00	4.88	28.62	33.50	54.00	-20.50	Average	100	56	P
4	4824.00	4.88	42.48	47.36	74.00	-26.64	Peak	100	56	P
5	12060.00	14.80	29.44	44.24	54.00	-9.76	Average	100	139	P
6	12060.00	14.80	42.32	57.12	74.00	-16.88	Peak	100	139	P

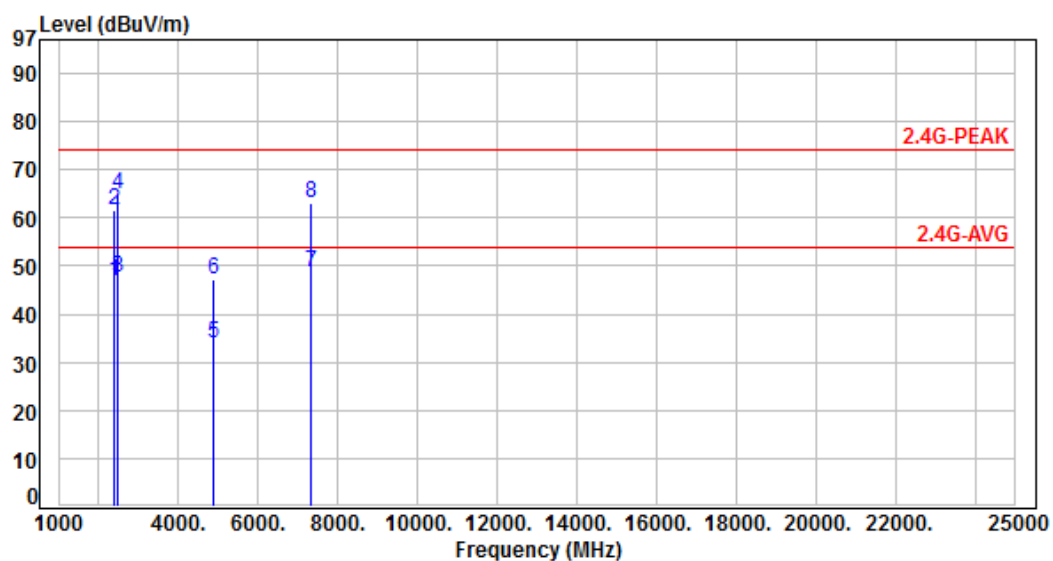
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: VERTICAL
Test Mode	: Mode 3, CH06		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	49.58	46.69	54.00	-7.31	Average	390	239	P
2	2390.00	-2.89	64.37	61.48	74.00	-12.52	Peak	390	239	P
3	2483.50	-2.69	50.42	47.73	54.00	-6.27	Average	390	239	P
4	2483.50	-2.69	67.45	64.76	74.00	-9.24	Peak	390	239	P
5	4874.00	5.09	28.88	33.97	54.00	-20.03	Average	100	62	P
6	4874.00	5.09	42.16	47.25	74.00	-26.75	Peak	100	62	P
7	7311.00	10.01	38.72	48.73	54.00	-5.27	Average	100	54	P
8	7311.00	10.01	52.88	62.89	74.00	-11.11	Peak	100	54	P

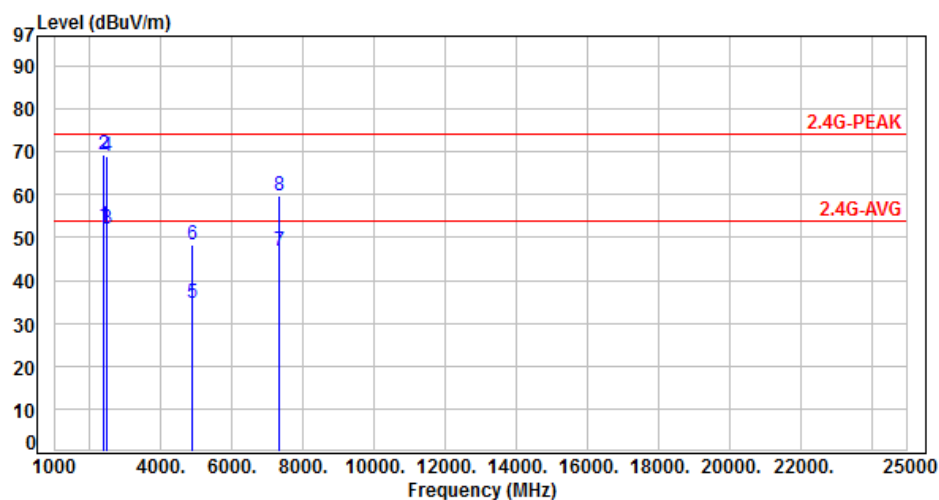
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 3, CH06		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	55.79	52.90	54.00	-1.10	Average	249	134	P
2	2390.00	-2.89	72.04	69.15	74.00	-4.85	Peak	249	134	P
3	2483.50	-2.69	54.61	51.92	54.00	-2.08	Average	249	134	P
4	2483.50	-2.69	71.80	69.11	74.00	-4.89	Peak	249	134	P
5	4874.00	5.09	29.51	34.60	54.00	-19.40	Average	100	53	P
6	4874.00	5.09	43.05	48.14	74.00	-25.86	Peak	100	53	P
7	7311.00	10.01	36.72	46.73	54.00	-7.27	Average	205	149	P
8	7311.00	10.01	49.88	59.89	74.00	-14.11	Peak	205	149	P

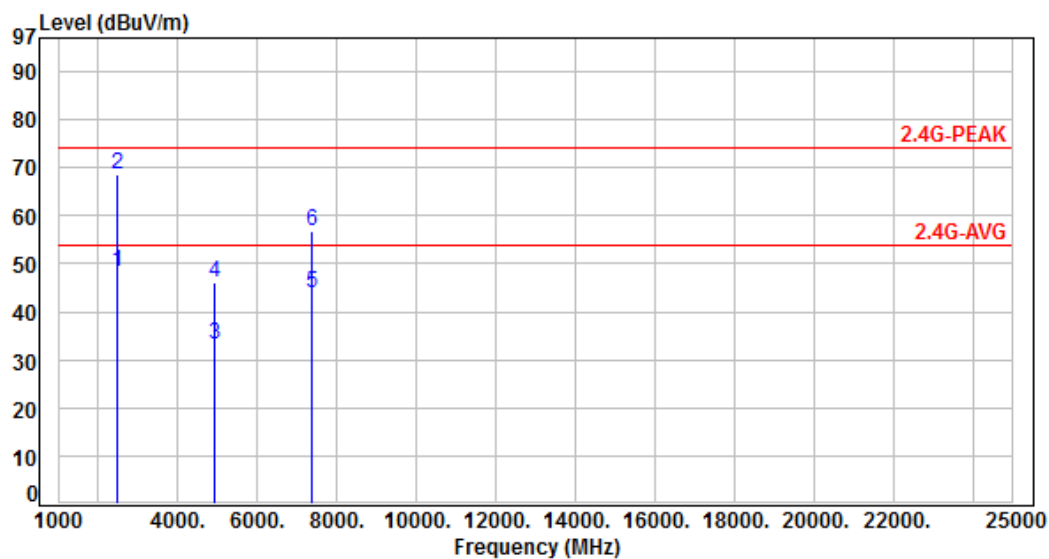
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: VERTICAL
Test Mode	: Mode 3, CH11		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-2.69	51.02	48.33	54.00	-5.67	Average	382	244	P
2	2483.50	-2.69	71.20	68.51	74.00	-5.49	Peak	382	244	P
3	4924.00	5.30	27.81	33.11	54.00	-20.89	Average	100	75	P
4	4924.00	5.30	40.78	46.08	74.00	-27.92	Peak	100	75	P
5	7386.00	10.14	33.76	43.90	54.00	-10.10	Average	100	60	P
6	7386.00	10.14	46.69	56.83	74.00	-17.17	Peak	100	60	P

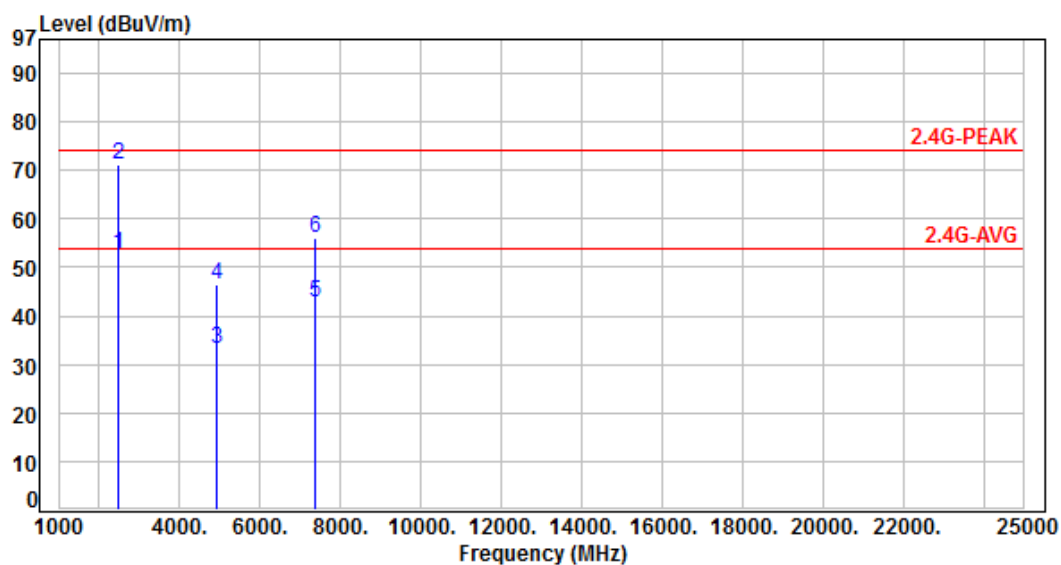
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 3, CH11		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-2.69	55.42	52.73	54.00	-1.27	Average	235	128	P
2	2483.50	-2.69	74.05	71.36	74.00	-2.64	Peak	235	128	P
3	4924.00	5.30	27.95	33.25	54.00	-20.75	Average	100	52	P
4	4924.00	5.30	41.20	46.50	74.00	-27.50	Peak	100	52	P
5	7386.00	10.14	32.47	42.61	54.00	-11.39	Average	192	173	P
6	7386.00	10.14	45.87	56.01	74.00	-17.99	Peak	192	173	P

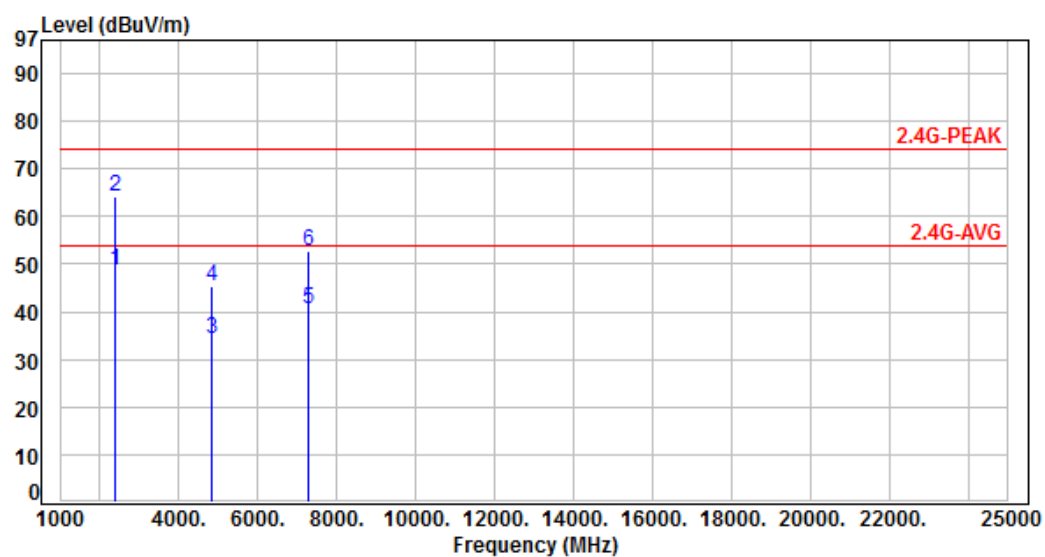
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, CH03		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	51.69	48.80	54.00	-5.20	Average	381	211	P
2	2390.00	-2.89	67.12	64.23	74.00	-9.77	Peak	381	211	P
3	4844.00	4.99	29.15	34.14	54.00	-19.86	Average	100	62	P
4	4844.00	4.99	40.50	45.49	74.00	-28.51	Peak	100	62	P
5	7266.00	9.83	30.80	40.63	54.00	-13.37	Average	100	53	P
6	7266.00	9.83	42.85	52.68	74.00	-21.32	Peak	100	53	P

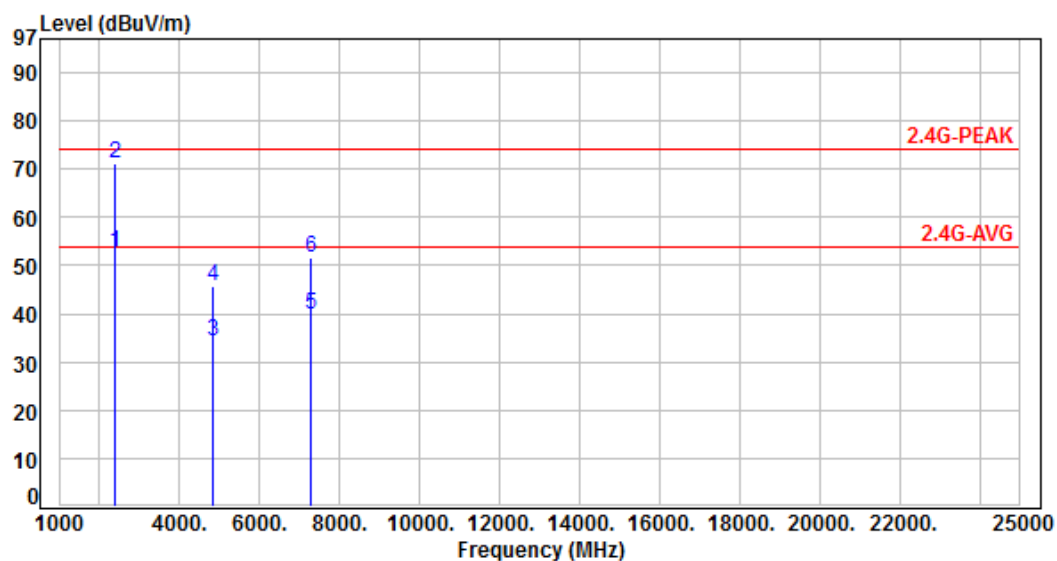
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, CH03		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	55.76	52.87	54.00	-1.13	Average	280	148	P
2	2390.00	-2.89	73.94	71.05	74.00	-2.95	Peak	280	148	P
3	4844.00	4.99	29.35	34.34	54.00	-19.66	Average	100	47	P
4	4844.00	4.99	40.61	45.60	74.00	-28.40	Peak	100	47	P
5	7266.00	9.83	30.16	39.99	54.00	-14.01	Average	200	156	P
6	7266.00	9.83	41.82	51.65	74.00	-22.35	Peak	200	156	P

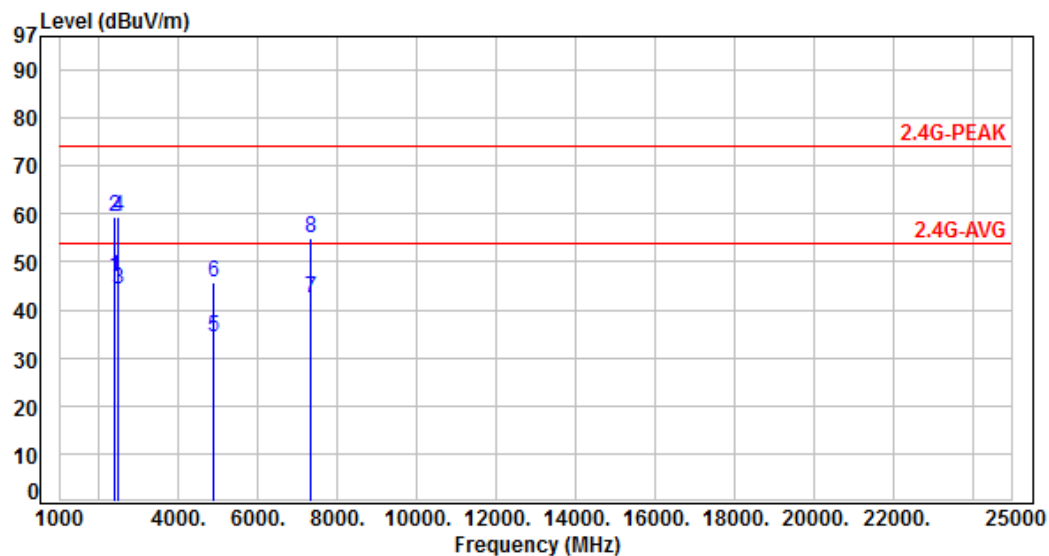
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 110V / 60HZ	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, CH06		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	49.55	46.66	54.00	-7.34	Average	384	240	P
2	2390.00	-2.89	62.22	59.33	74.00	-14.67	Peak	384	240	P
3	2483.50	-2.69	46.80	44.11	54.00	-9.89	Average	384	240	P
4	2483.50	-2.69	61.93	59.24	74.00	-14.76	Peak	384	240	P
5	4874.00	5.09	29.20	34.29	54.00	-19.71	Average	100	60	P
6	4874.00	5.09	40.62	45.71	74.00	-28.29	Peak	100	60	P
7	7311.00	10.01	32.23	42.24	54.00	-11.76	Average	100	55	P
8	7311.00	10.01	44.95	54.96	74.00	-19.04	Peak	100	55	P

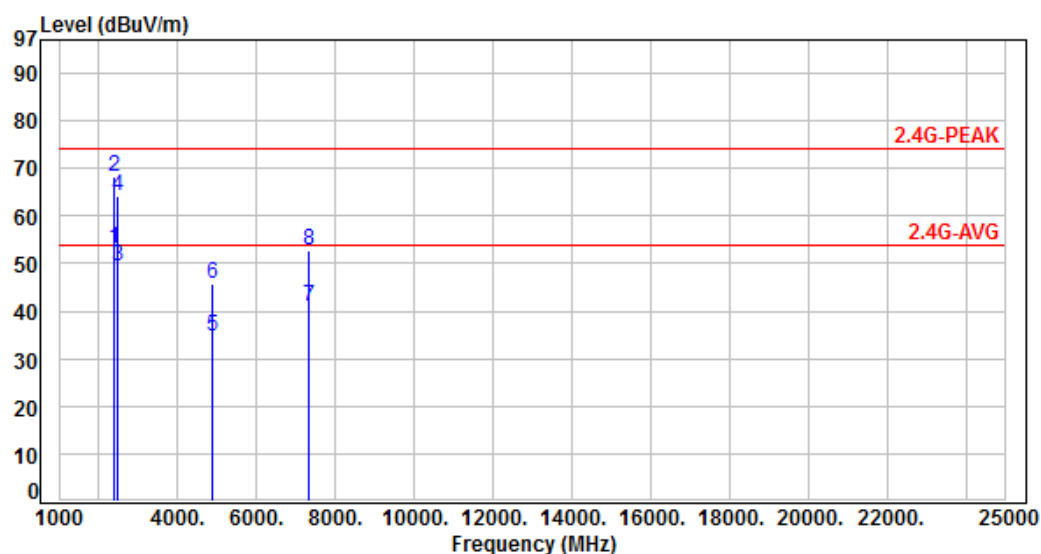
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, CH06		



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	55.88	52.99	54.00	-1.01	Average	250	131	P
2	2390.00	-2.89	71.11	68.22	74.00	-5.78	Peak	250	131	P
3	2483.50	-2.69	52.15	49.46	54.00	-4.54	Average	250	131	P
4	2483.50	-2.69	66.95	64.26	74.00	-9.74	Peak	250	131	P
5	4874.00	5.09	29.48	34.57	54.00	-19.43	Average	100	50	P
6	4874.00	5.09	40.67	45.76	74.00	-28.24	Peak	100	50	P
7	7311.00	10.01	30.79	40.80	54.00	-13.20	Average	198	154	P
8	7311.00	10.01	42.63	52.64	74.00	-21.36	Peak	198	154	P

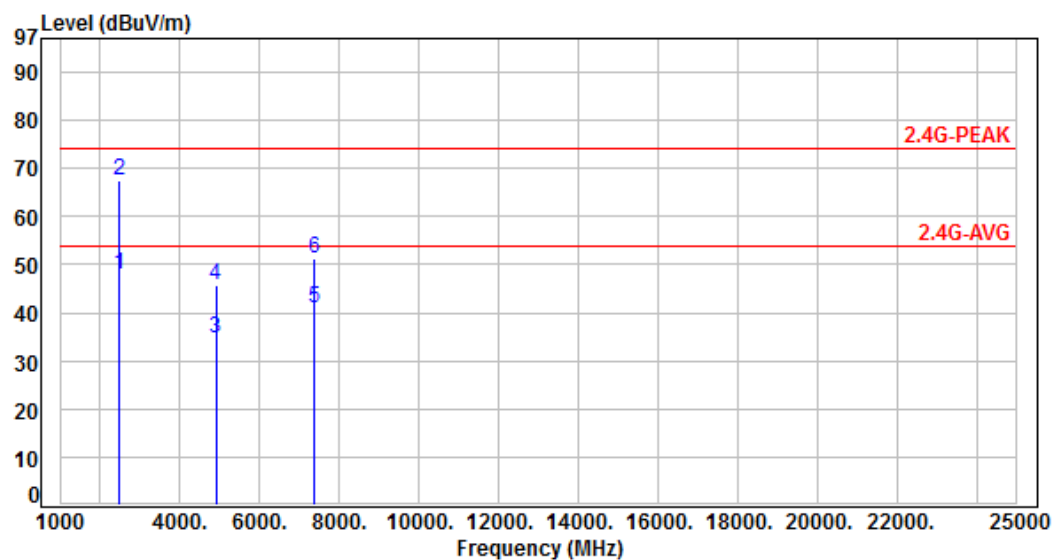
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, CH09		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-2.69	50.60	47.91	54.00	-6.09	Average	390	233	P
2	2483.50	-2.69	70.08	67.39	74.00	-6.61	Peak	390	233	P
3	4904.00	5.19	29.34	34.53	54.00	-19.47	Average	100	59	P
4	4904.00	5.19	40.62	45.81	74.00	-28.19	Peak	100	59	P
5	7356.00	10.11	30.93	41.04	54.00	-12.96	Average	100	51	P
6	7356.00	10.11	41.09	51.20	74.00	-22.80	Peak	100	51	P

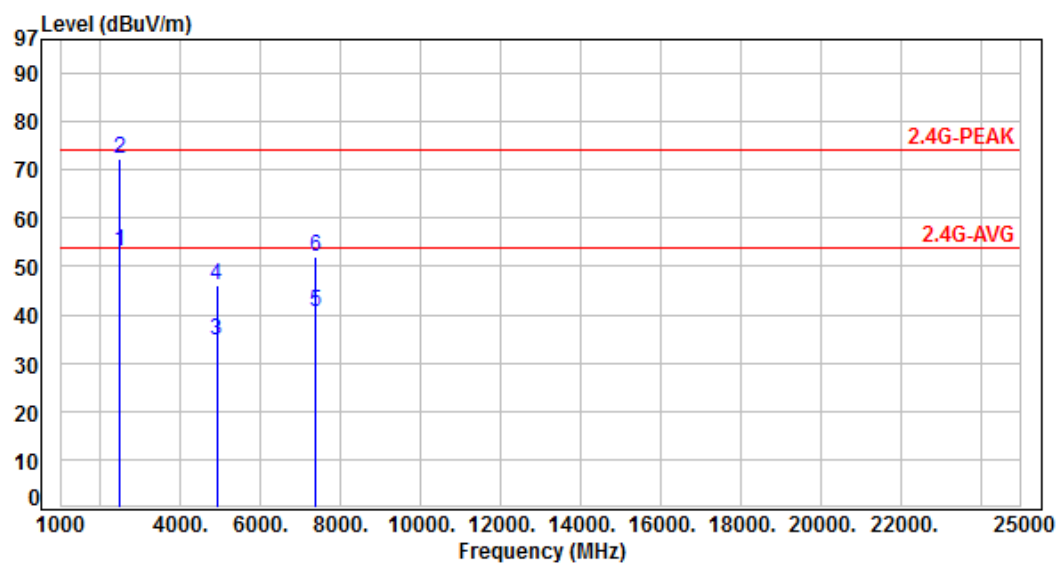
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, CH09		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-2.69	55.69	53.00	54.00	-1.00	Average	270	121	P
2	2483.50	-2.69	75.00	72.31	74.00	-1.69	Peak	270	121	P
3	4904.00	5.19	29.49	34.68	54.00	-19.32	Average	100	45	P
4	4904.00	5.19	40.88	46.07	74.00	-27.93	Peak	100	45	P
5	7356.00	10.11	30.46	40.57	54.00	-13.43	Average	197	155	P
6	7356.00	10.11	42.07	52.18	74.00	-21.82	Peak	197	155	P

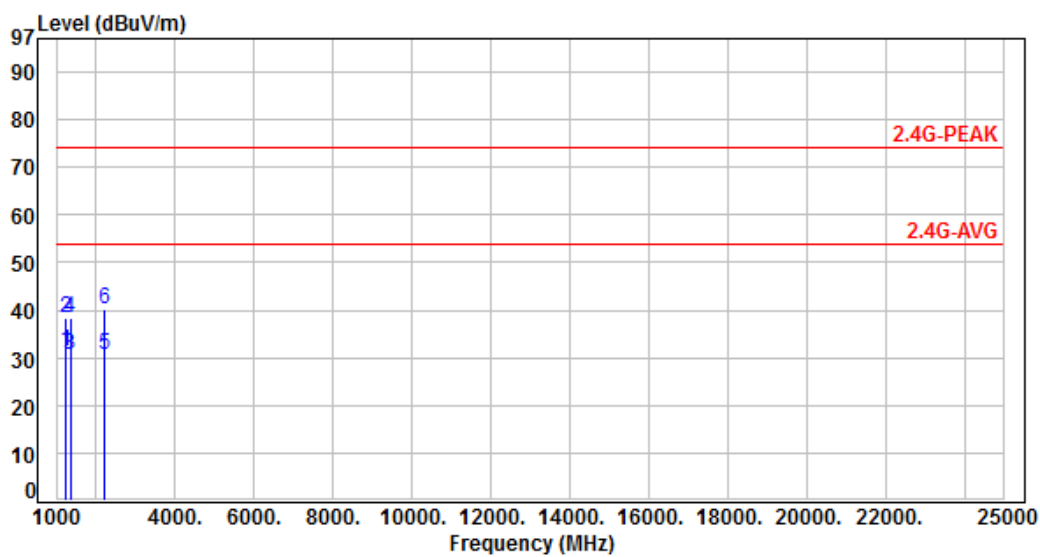
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 6, CH01		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	39.55	31.21	54.00	-22.79	Average	225	165	P
2	1248.00	-8.34	46.82	38.48	74.00	-35.52	Peak	225	165	P
3	1344.00	-7.91	38.47	30.56	54.00	-23.44	Average	140	90	P
4	1344.00	-7.91	46.44	38.53	74.00	-35.47	Peak	140	90	P
5	2208.00	-3.68	34.14	30.46	54.00	-23.54	Average	100	360	P
6	2208.00	-3.68	43.88	40.20	74.00	-33.80	Peak	100	360	P

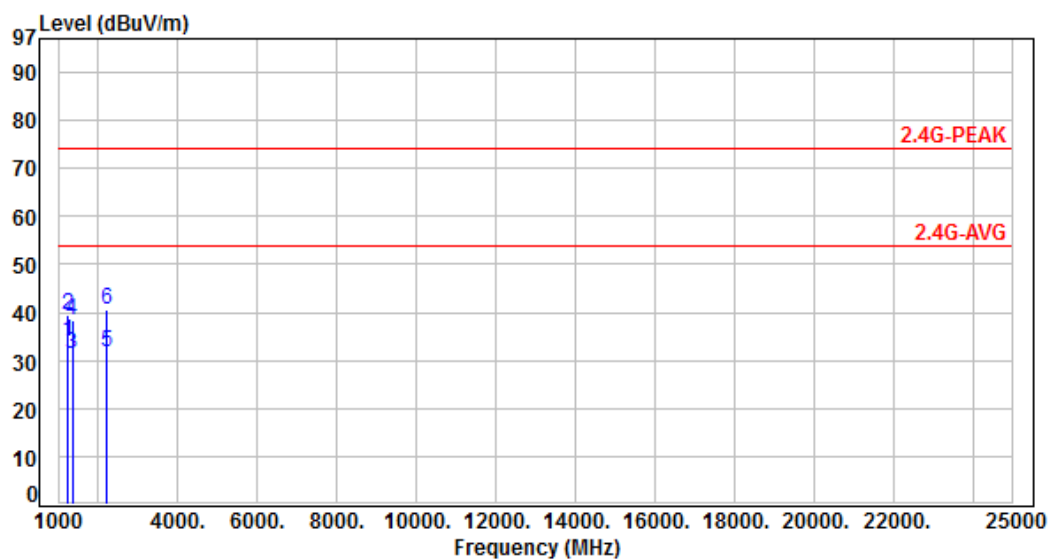
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, CH01		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	42.33	33.99	54.00	-20.01	Average	105	55	P
2	1248.00	-8.34	47.81	39.47	74.00	-34.53	Peak	105	55	P
3	1344.00	-7.91	39.24	31.33	54.00	-22.67	Average	120	73	P
4	1344.00	-7.91	46.38	38.47	74.00	-35.53	Peak	120	73	P
5	2208.00	-3.68	35.35	31.67	54.00	-22.33	Average	215	160	P
6	2208.00	-3.68	44.11	40.43	74.00	-33.57	Peak	215	160	P

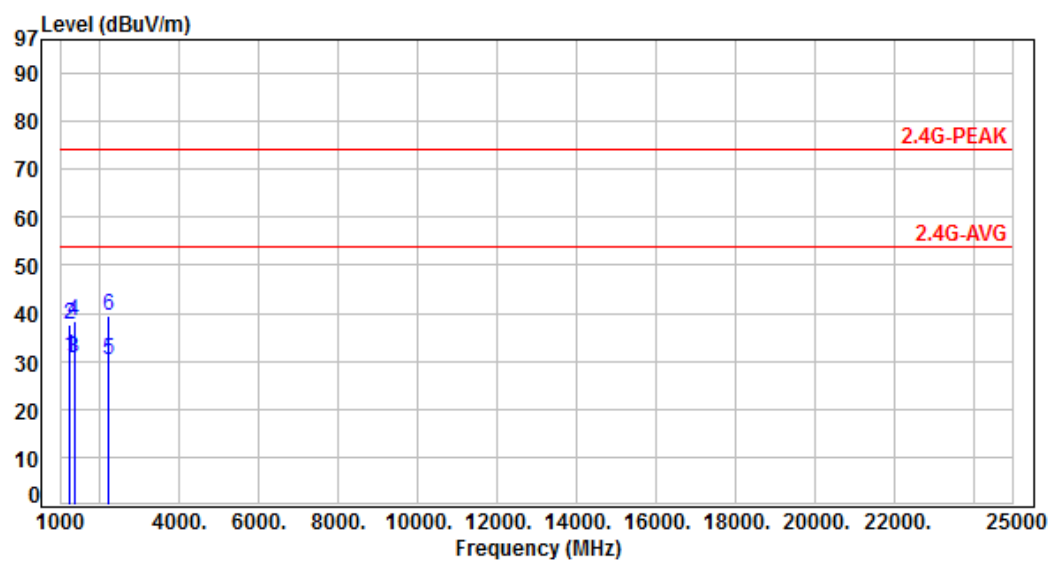
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: VERTICAL
Test Mode	: Mode 6, CH06		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	39.46	31.12	54.00	-22.88	Average	220	165	P
2	1248.00	-8.34	45.88	37.54	74.00	-36.46	Peak	220	165	P
3	1344.00	-7.91	38.49	30.58	54.00	-23.42	Average	140	90	P
4	1344.00	-7.91	46.25	38.34	74.00	-35.66	Peak	140	90	P
5	2208.00	-3.68	34.10	30.42	54.00	-23.58	Average	100	10	P
6	2208.00	-3.68	43.25	39.57	74.00	-34.43	Peak	100	10	P

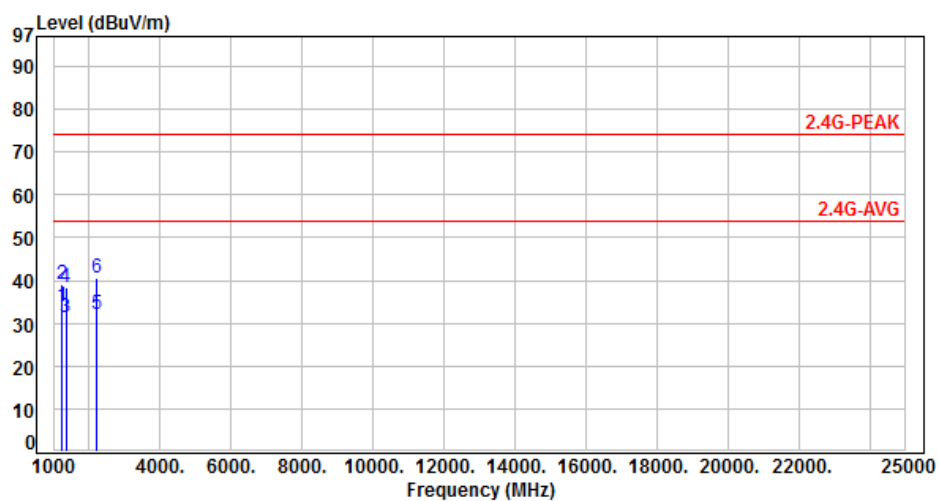
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 110V / 60HZ	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 6, CH06		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	42.39	34.05	54.00	-19.95	Average	100	57	P
2	1248.00	-8.34	47.28	38.94	74.00	-35.06	Peak	100	57	P
3	1344.00	-7.91	39.11	31.20	54.00	-22.80	Average	120	65	P
4	1344.00	-7.91	46.31	38.40	74.00	-35.60	Peak	120	65	P
5	2208.00	-3.68	35.80	32.12	54.00	-21.88	Average	210	160	P
6	2208.00	-3.68	44.31	40.63	74.00	-33.37	Peak	210	160	P

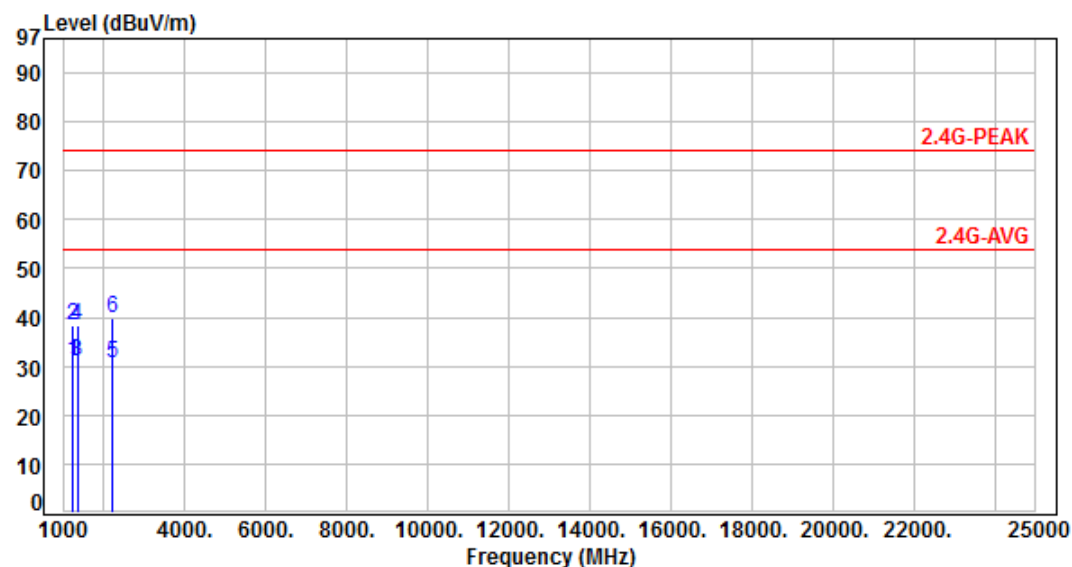
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: VERTICAL
Test Mode	: Mode 6, CH11		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	39.39	31.05	54.00	-22.95	Average	220	165	P
2	1248.00	-8.34	46.51	38.17	74.00	-35.83	Peak	220	165	P
3	1344.00	-7.91	38.78	30.87	54.00	-23.13	Average	140	90	P
4	1344.00	-7.91	46.39	38.48	74.00	-35.52	Peak	140	90	P
5	2208.00	-3.68	34.25	30.57	54.00	-23.43	Average	100	0	P
6	2208.00	-3.68	43.57	39.89	74.00	-34.11	Peak	100	0	P

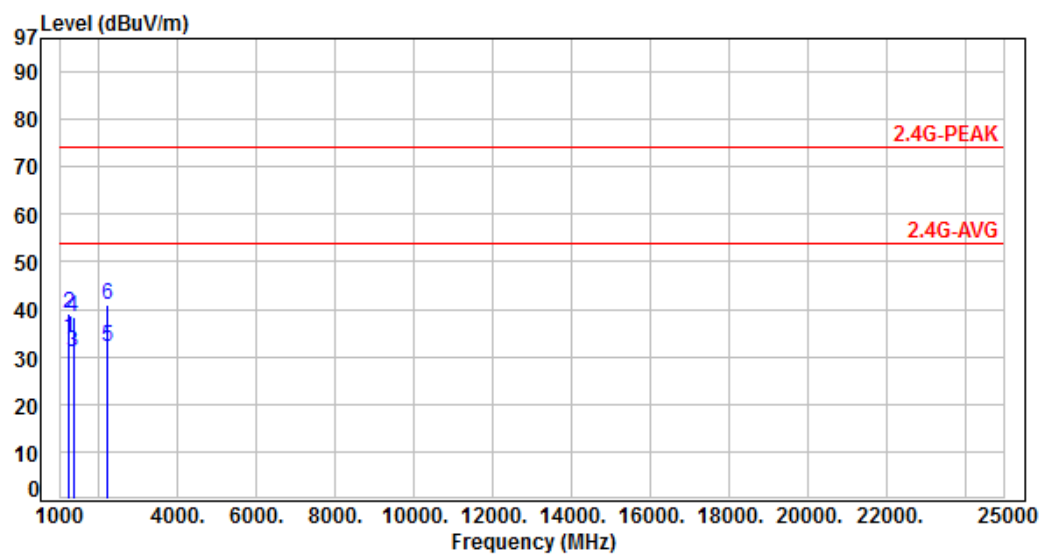
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, CH11		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	42.10	33.76	54.00	-20.24	Average	100	55	P
2	1248.00	-8.34	47.56	39.22	74.00	-34.78	Peak	100	55	P
3	1344.00	-7.91	39.05	31.14	54.00	-22.86	Average	120	65	P
4	1344.00	-7.91	46.12	38.21	74.00	-35.79	Peak	120	65	P
5	2208.00	-3.68	35.69	32.01	54.00	-21.99	Average	215	160	P
6	2208.00	-3.68	44.58	40.90	74.00	-33.10	Peak	215	160	P

Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



6. On Time, Duty Cycle and Measurement methods

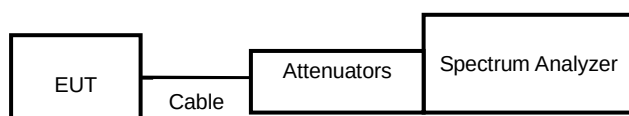
6.1. 適用標準

None; for reporting purposes only.

6.2. 測試方法

ANSI 63.10 第11.6節 Duty cycle zero-span mode Method.

6.3. 測試配置

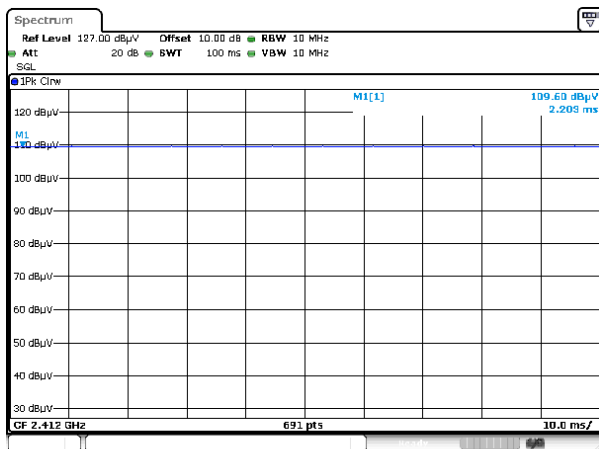


6.4. 測試結果及數據

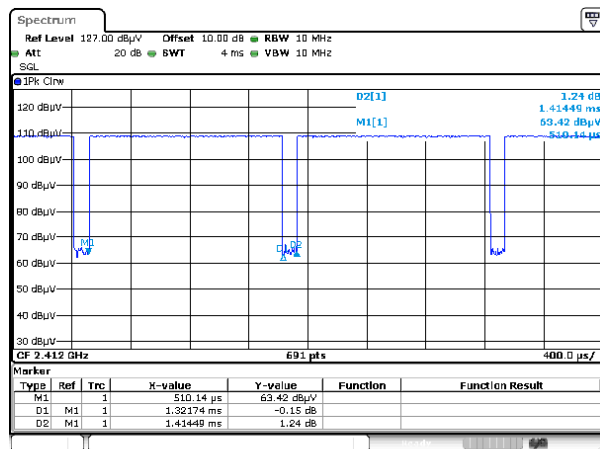
Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
11b,1M	100.00	100.00	100.00%
11g,6M	1.41	1.50	94.20%
11n HT20	1.32	1.41	93.44%
11n HT40	0.66	0.75	87.31%



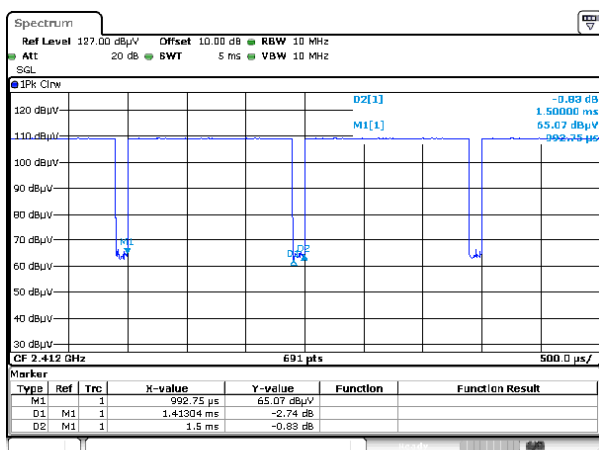
Modulation Type: 802.11b(1Mbps)



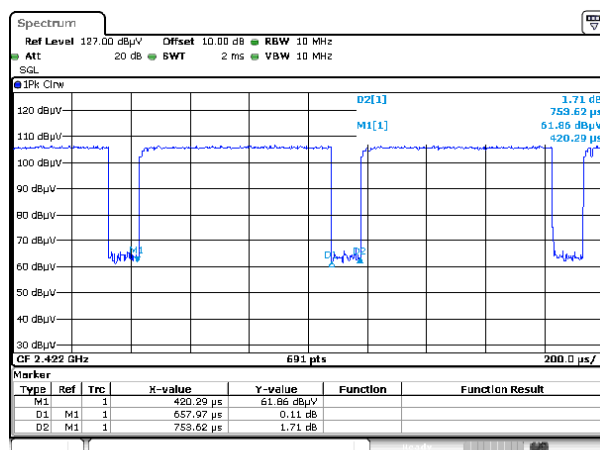
Modulation Type: 802.11n HT20(6.5Mbps)



Modulation Type: 802.11g(6Mbps)



Modulation Type: 802.11n HT40(13.5Mbps)





7. 6dB 頻寬之規定

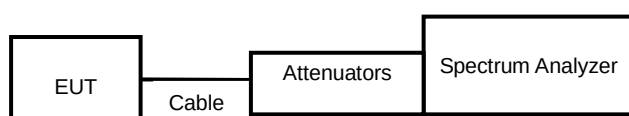
7.1. 適用標準

對使用數位調變技術之低功率發射機，依據國家通訊傳播委員會低功率射頻電機技術規範 4.10.1.6 節之(2)(A)規定，6dB 頻寬至少應有 500 kHz。

7.2. 測試方法

- 將待測物和儀器相連接。
- 設定儀器解析頻寬 100KHz 和視訊頻寬為 300KHz。
- 量測峰值減去 6 dB 之頻寬並記錄於報告中。

7.3. 測試配置



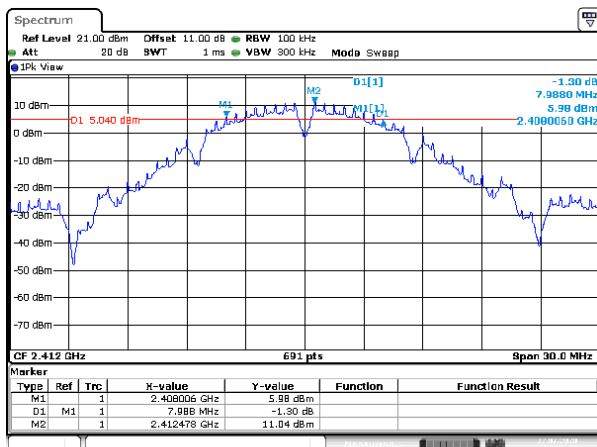
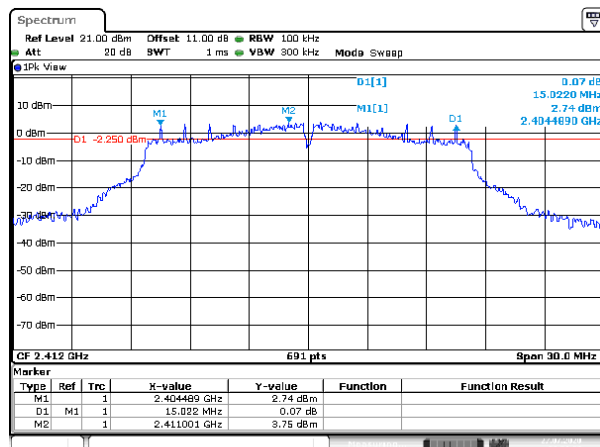
7.4. 6dB 頻寬之測試結果及數據

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
			ANT A	
11b	1	2412	7.99	0.5
	6	2437	8.03	0.5
	11	2462	8.03	0.5
11g	1	2412	15.02	0.5
	6	2437	15.02	0.5
	11	2462	15.02	0.5
11n HT20	1	2412	16.02	0.5
	6	2437	16.24	0.5
	11	2462	15.11	0.5
11n HT40	3	2422	34.99	0.5
	6	2437	35.08	0.5
	9	2452	34.99	0.5

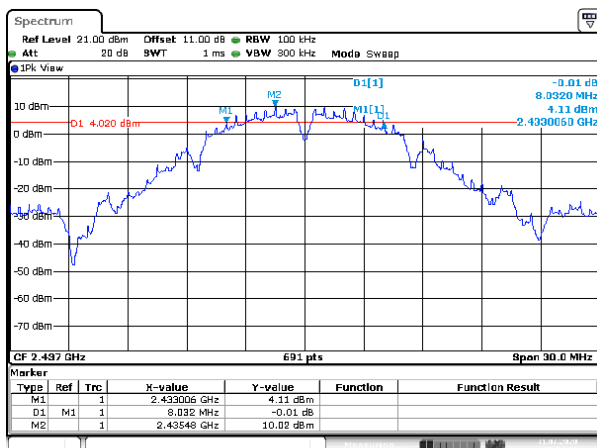
備註：繪圖資料請參考下頁。

7.5. 結果判定

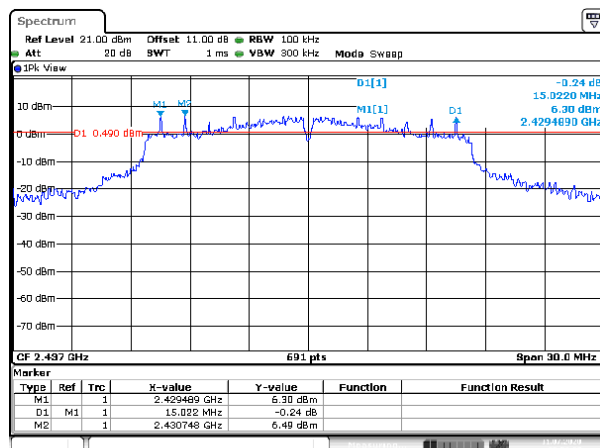
高、中、低頻段的 6dB 頻寬皆大於 500 KHz，合乎標準規定。

Modulation Type: 802.11b
CH01Modulation Type: 802.11g
CH01

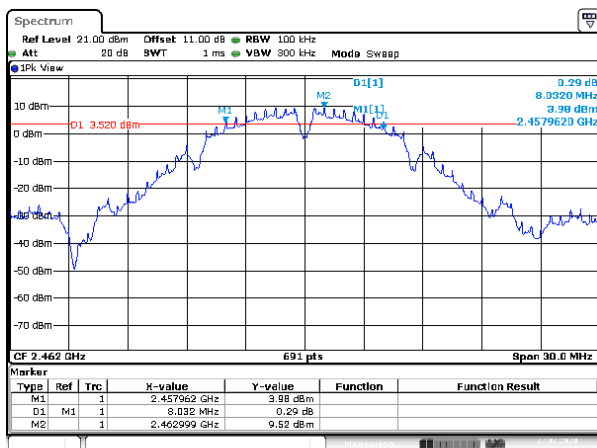
CH06



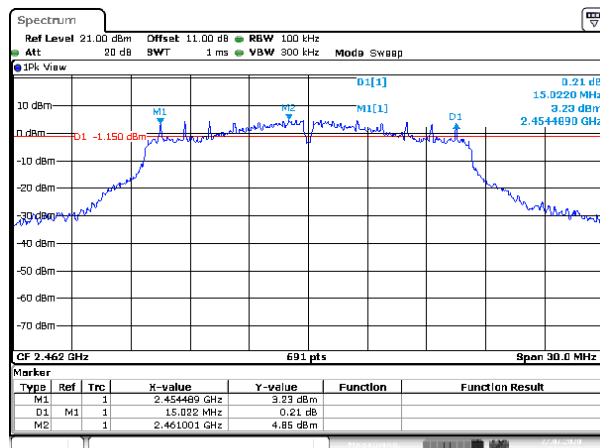
CH06

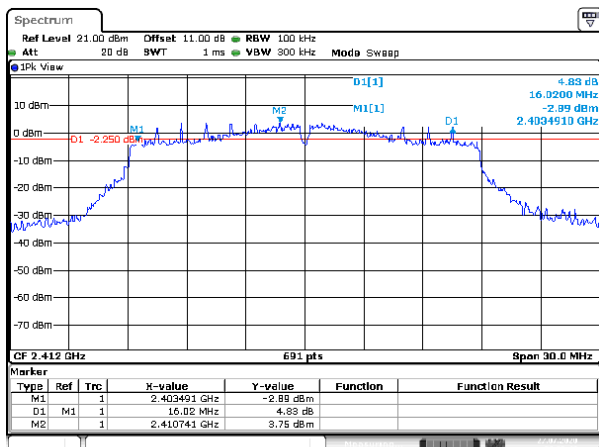
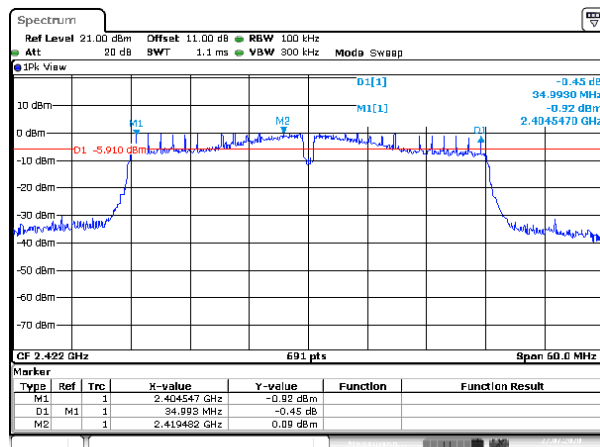


CH11

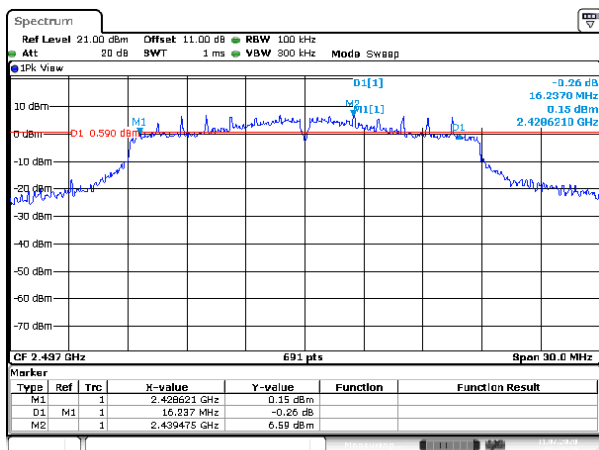


CH11

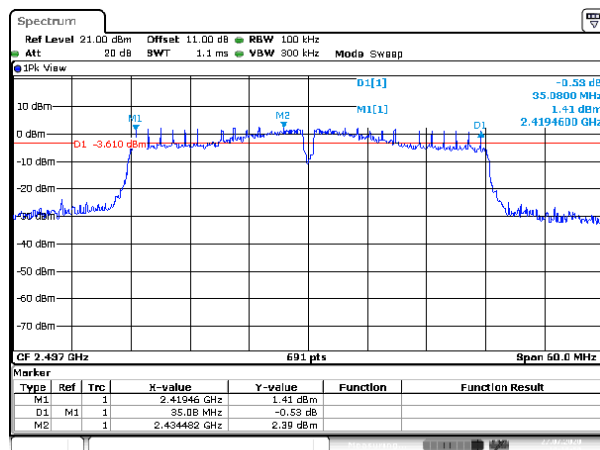


Modulation Type: 802.11n HT20
CH01Modulation Type: 802.11n HT40
CH03

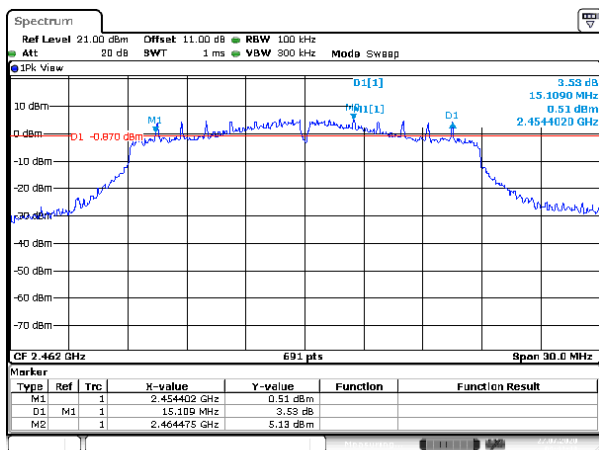
CH06



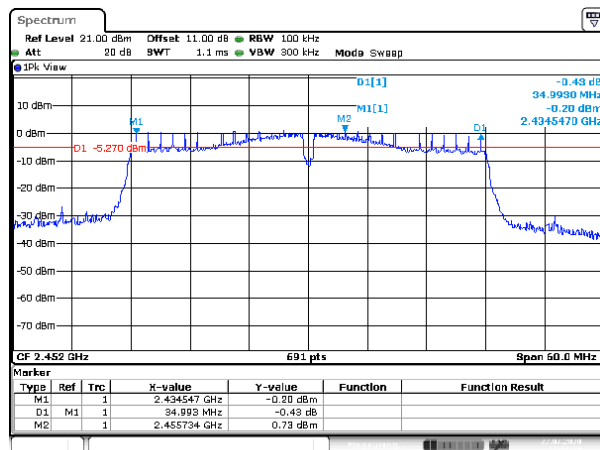
CH06



CH11



CH09





8. 峰值輸出功率之規定

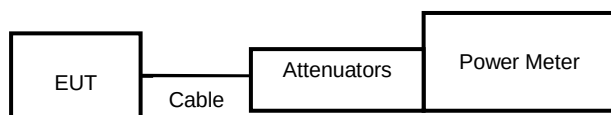
8.1. 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範 4.10.1.2 節(1)(C)之規定，對使用數位調變技術之低功率發射機，其輸出峰值功率不得大於 1 Watt，且其所使用天線之增益不可大於 6dBi，若使用大於 6dBi 增益之天線，則其輸出峰值功率相對需衰減天線增益所增加之量(單位為 dB)。放寬之條件請參考天線增益之要求。

8.2. 測試方法

- a. 將待測物和儀器相連接。
- b. 量測輸出功率並記錄於報告中。

8.3. 測試配置





8.4. 峰值輸出功率之測試結果及數據

Setting	Modulation Mode	Channel	Frequency (MHz)	Conducted(peak) output power (dBm)	Total PK power (dBm)	Total PK power (mW)	Power Limit (dBm)
				ANT A			
68	11b	1	2412	21.11	21.11	129.122	30.00
68		6	2437	22.02	22.02	159.221	30.00
64		11	2462	20.64	20.64	115.878	30.00
56	11g	1	2412	22.09	22.09	161.808	30.00
70		6	2437	23.46	23.46	221.820	30.00
58		11	2462	22.45	22.45	175.792	30.00
58	11n HT20	1	2412	22.32	22.32	170.608	30.00
70		6	2437	23.35	23.35	216.272	30.00
60		11	2462	22.58	22.58	181.134	30.00
46	11n HT40	3	2422	21.86	21.86	153.462	30.00
54		6	2437	22.48	22.48	177.011	30.00
48		9	2452	22.12	22.12	162.930	30.00

Setting	Modulation Mode	Channel	Frequency (MHz)	Conducted(average) output power (dBm)	Total AV power (dBm)	Total AV power (mW)	Power Limit (dBm)
				ANT A			
68	11b	1	2412	18.36	18.36	68.549	NA
68		6	2437	18.88	18.88	77.268	NA
64		11	2462	17.52	17.52	56.494	NA
56	11g	1	2412	14.71	14.71	29.580	NA
70		6	2437	18.71	18.71	74.302	NA
58		11	2462	15.65	15.65	36.728	NA
58	11n HT20	1	2412	14.87	14.87	30.690	NA
70		6	2437	18.54	18.54	71.450	NA
60		11	2462	15.81	15.81	38.107	NA
46	11n HT40	3	2422	13.31	13.31	21.429	NA
54		6	2437	15.55	15.55	35.892	NA
48		9	2452	14.05	14.05	25.410	NA

*Average power is for reference only.

8.5. 結果判定

高、中、低頻段的峰值輸出功率皆低於 30 dBm，合乎標準規定。



9. 混附波發射限制之規定

9.1. 適用方法

依據國家通訊傳播委員會低功率射頻電機技術規範 4.10.1.5 節之規定，使用頻帶範圍外之任意 100 千赫(kHz)內，發射器所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 千赫(kHz)內的射頻功率，其衰減值限制如下：

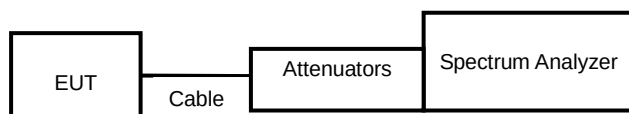
- (1) 輸出功率以峰值輸出功率方式量測者，至少需衰減 20dB，可使用射頻傳導或輻射方式測量。
- (2) 輸出功率以 4.10.1.2(1)(C)之最大傳導輸出功率測量方式者，至少需衰減 30dB，可使用射頻傳導或輻射方式測量。

此外，落於第 3.5 節禁用頻段之輻射發射，應符合第 3.6 節之規定。

9.2. 測試方法

1. 將待測物和儀器相連接。
2. 設定儀器解析頻寬為 100 kHz 和視訊頻寬為 300 kHz。
3. 將頻寬展開至 100 MHz。
4. 量測並記錄於報告中。

9.3. 測試配置



9.4. 結果判定

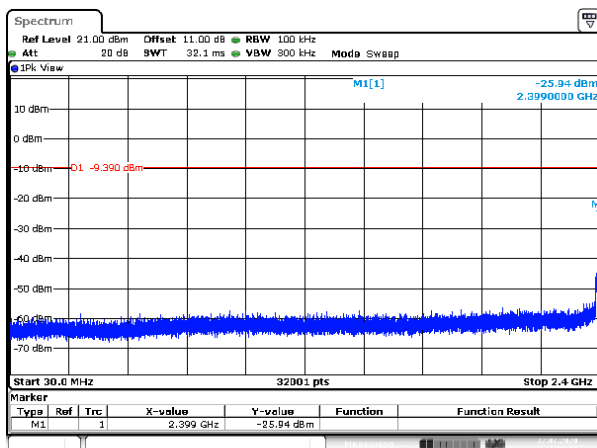
7.6.1 下邊緣頻帶：距下頻帶邊緣 40MHz 內最大混附波比主波低 20dB 以上，合乎標準規定。

7.6.2 上邊緣頻帶：距上頻帶邊緣 40MHz 內最大混附波比主波低 20dB 以上，合乎標準規定。

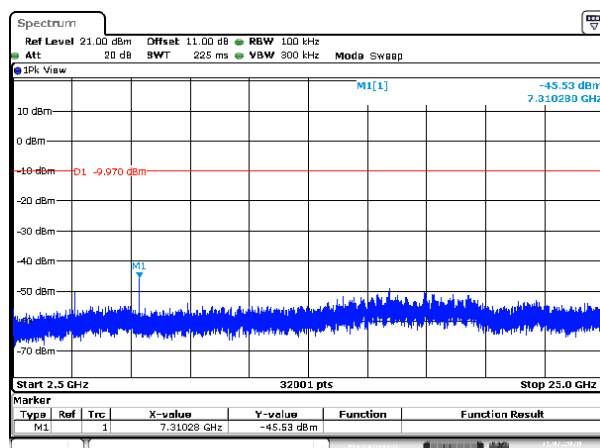
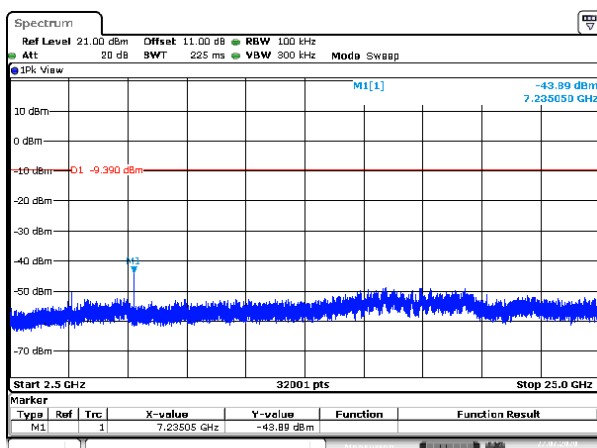
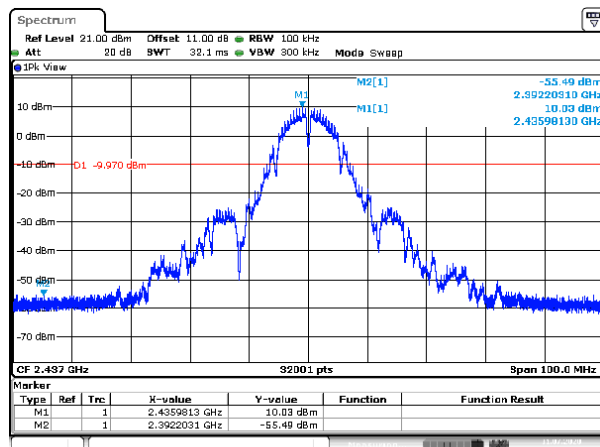
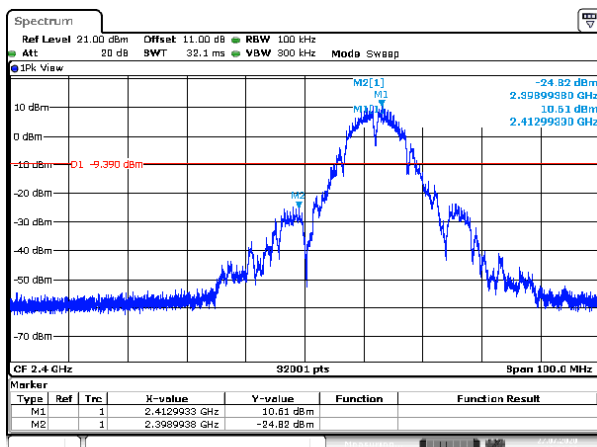
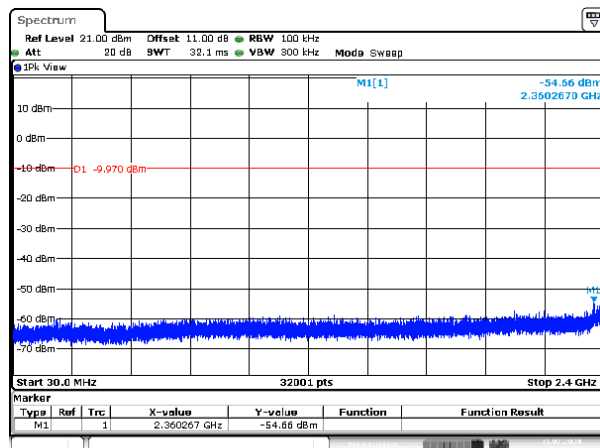
備註：繪圖資料請參考下頁。



Modulation Type: 802.11b, CH 01

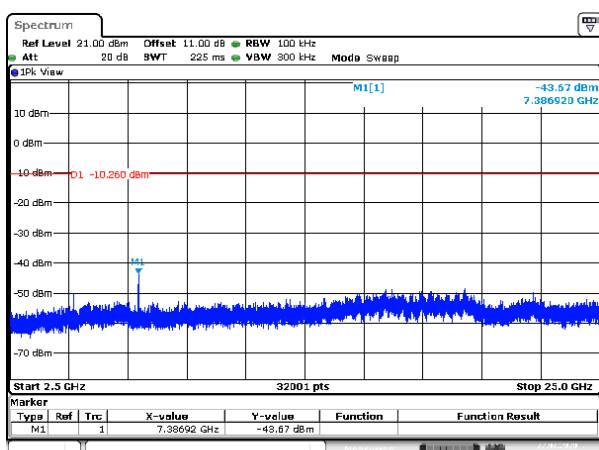
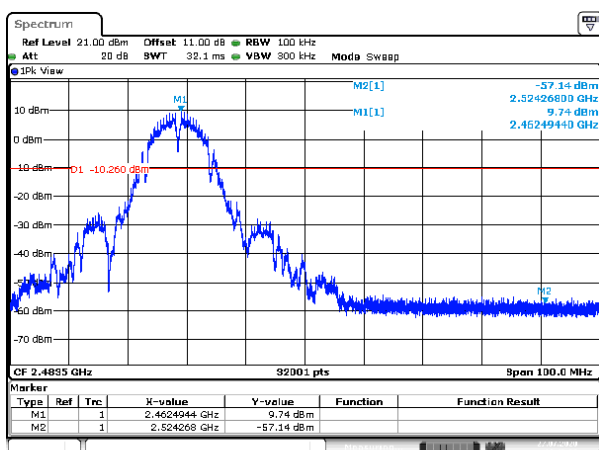
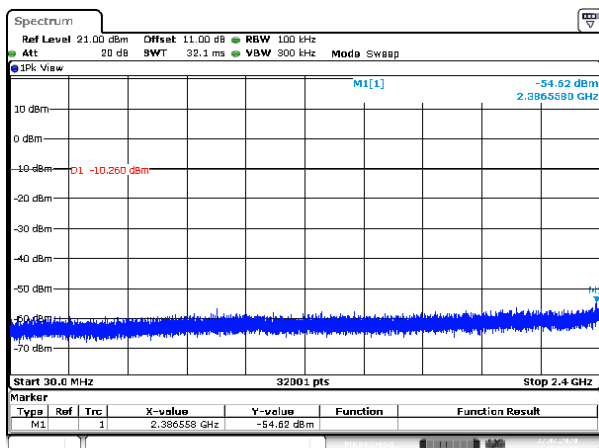


Modulation Type: 802.11b, CH 06



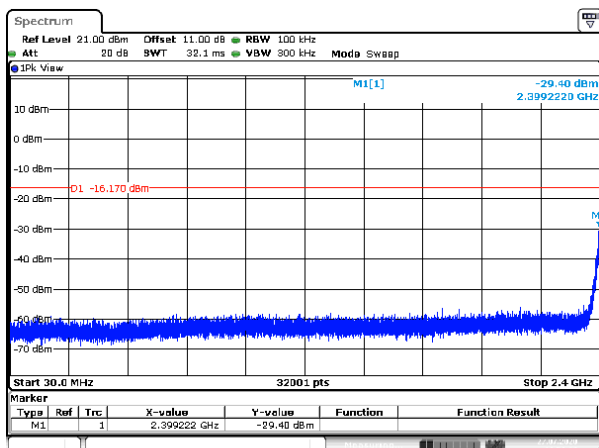


Modulation Type: 802.11b, CH 11

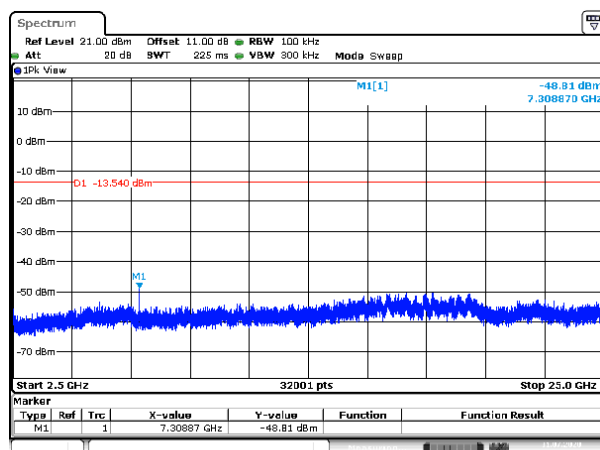
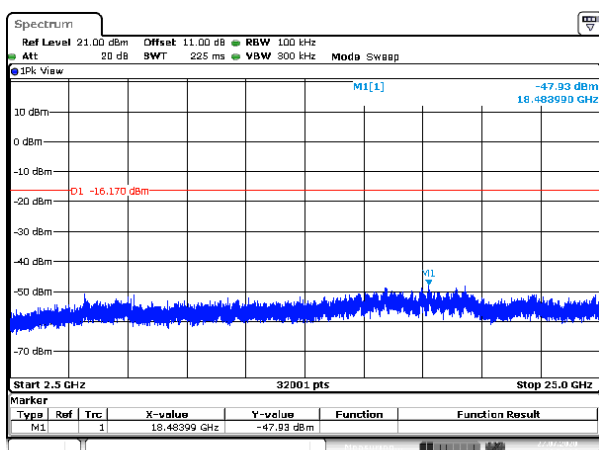
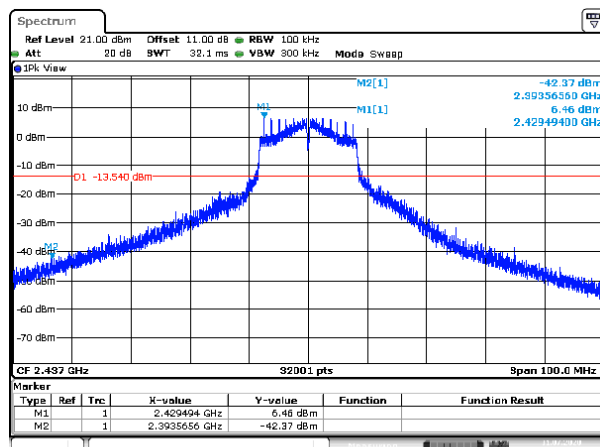
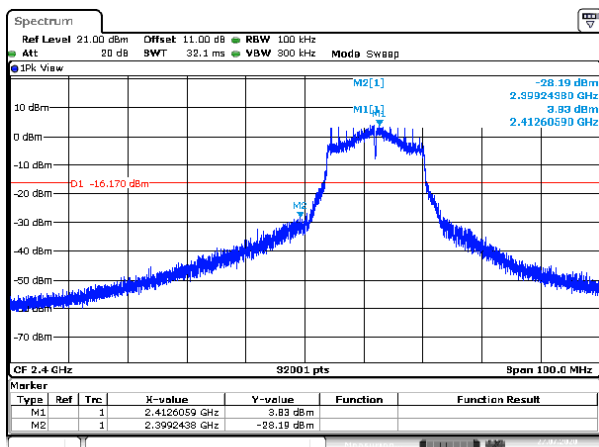
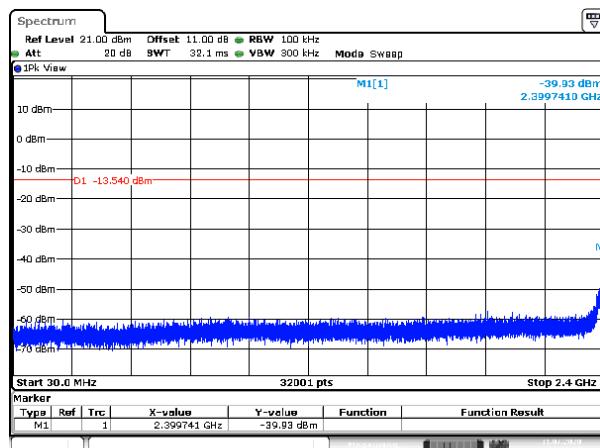




Modulation Type: 802.11g, CH 01

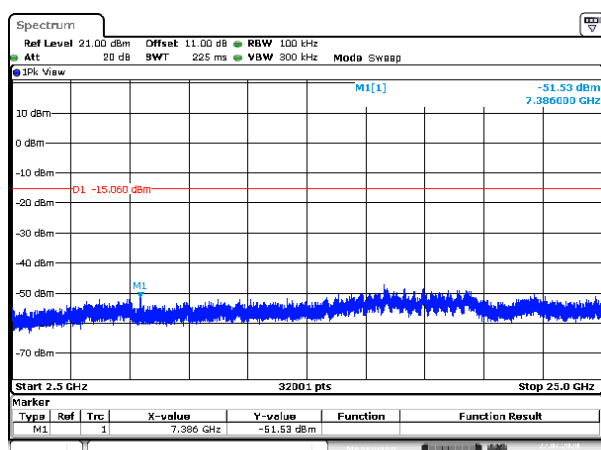
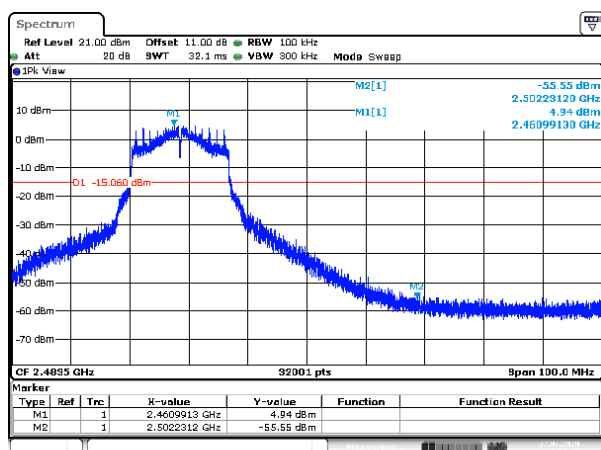
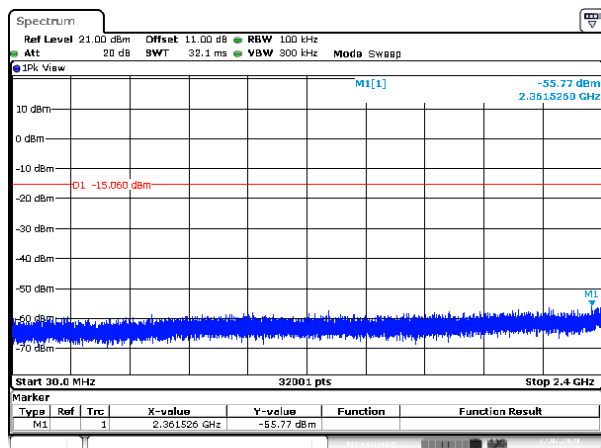


Modulation Type: 802.11g, CH 06



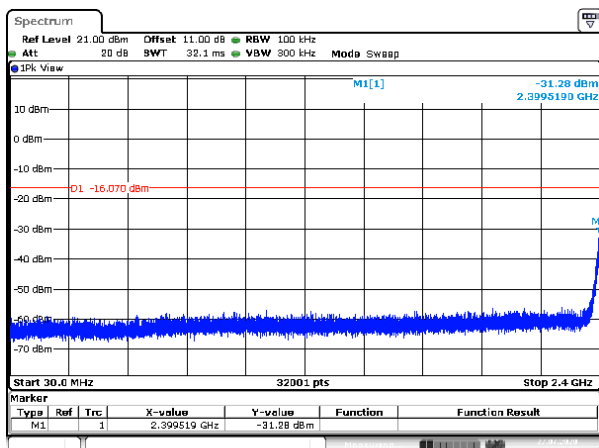


Modulation Type: 802.11g, CH 11

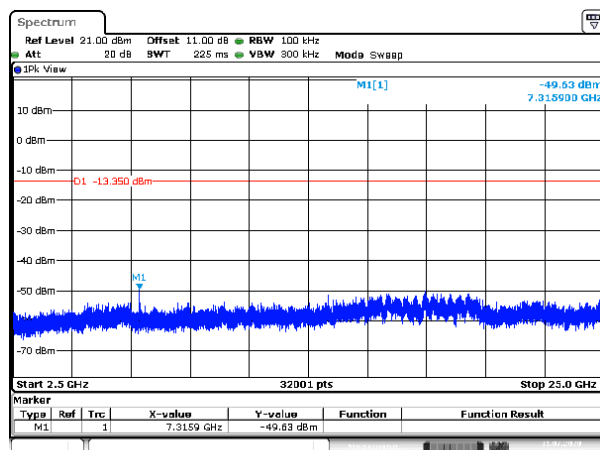
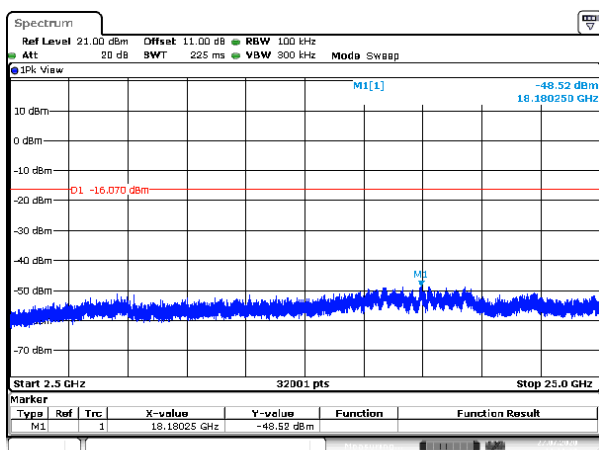
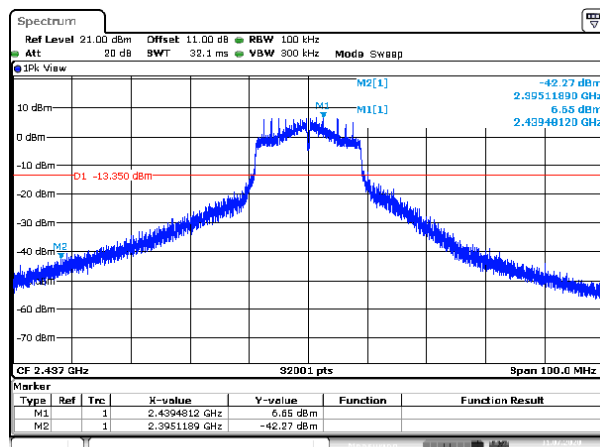
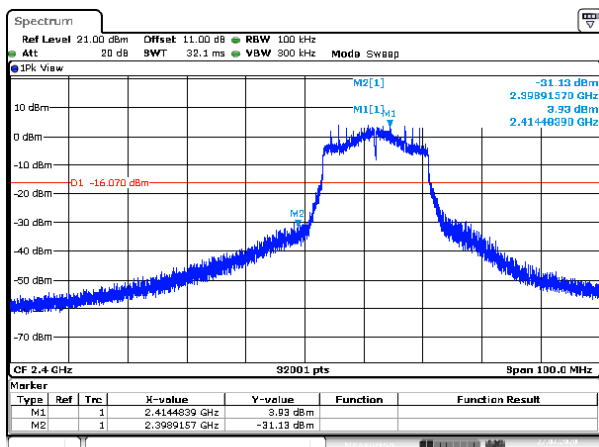
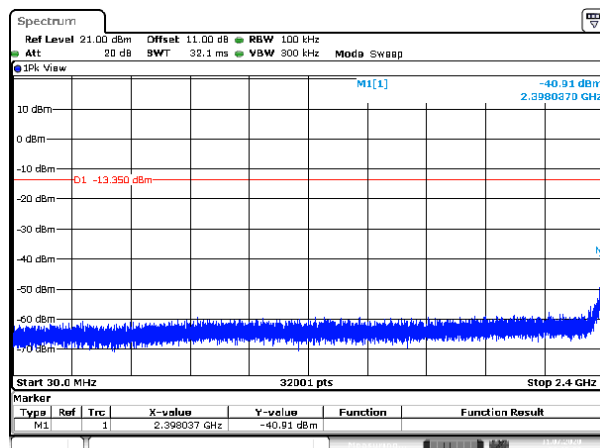




Modulation Type: 802.11n HT20, CH01

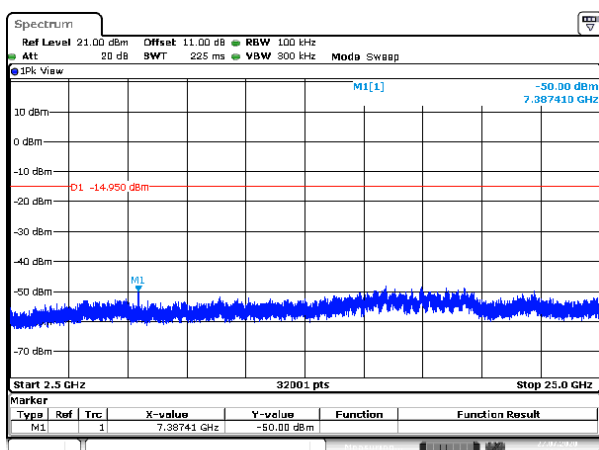
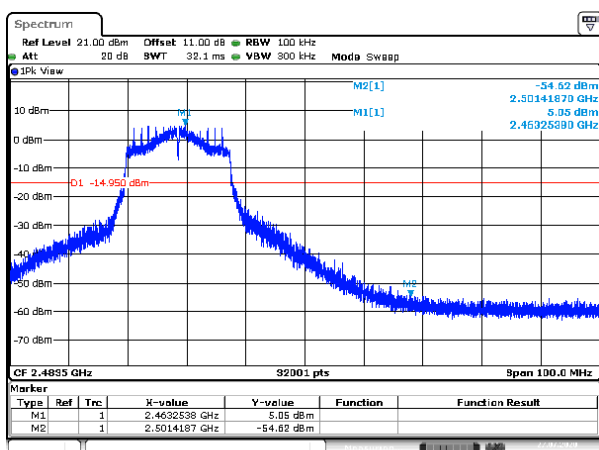
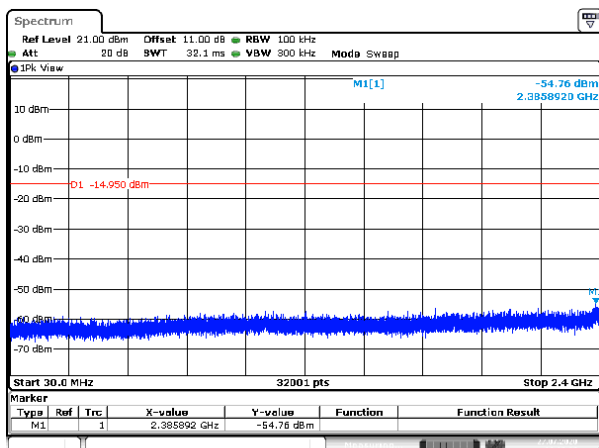


Modulation Type: 802.11n HT20, CH06



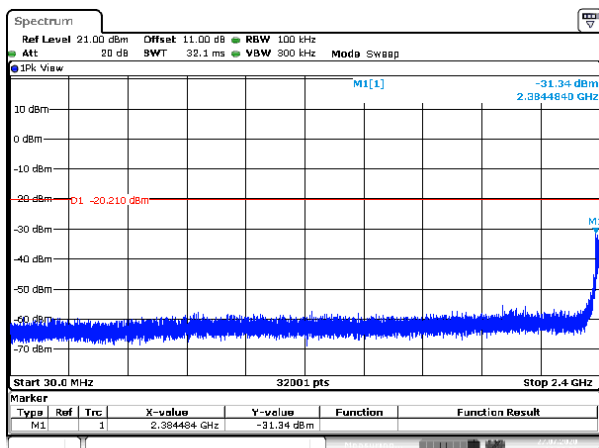


Modulation Type: 802.11n HT20, CH11

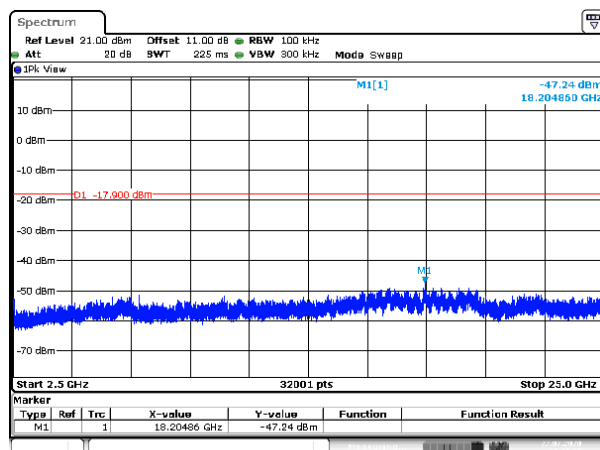
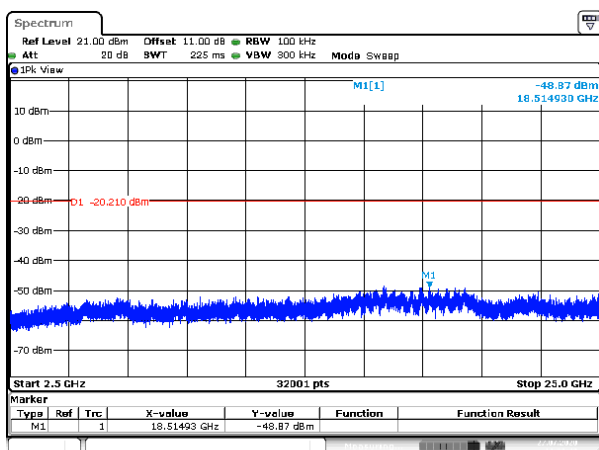
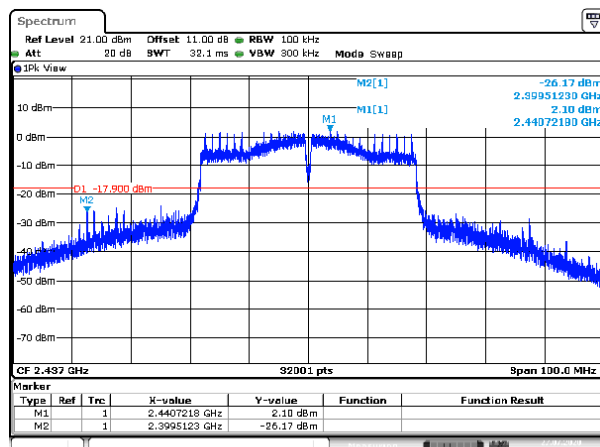
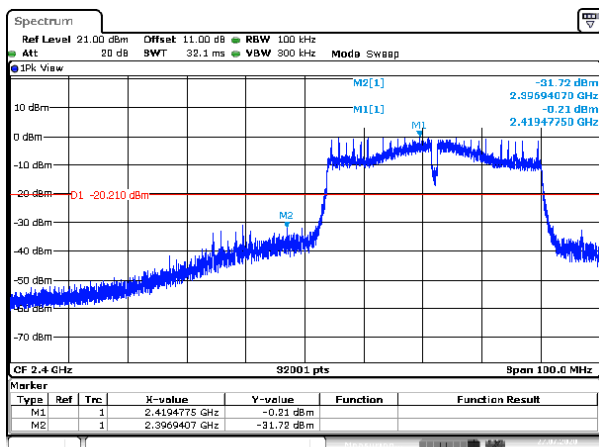
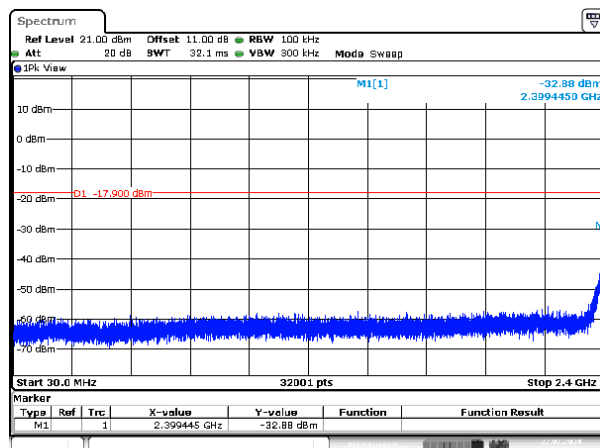




Modulation Type: 802.11n HT40, CH03

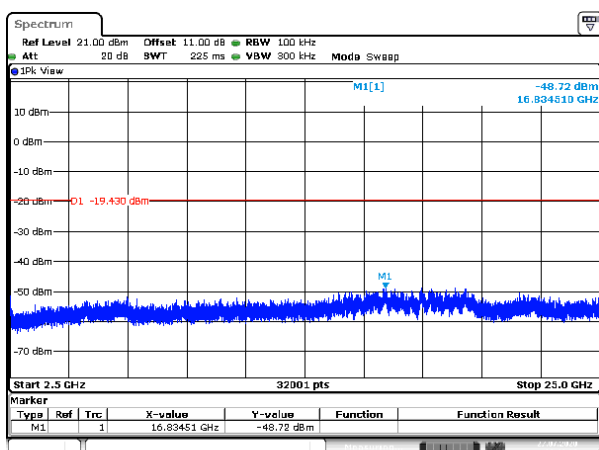
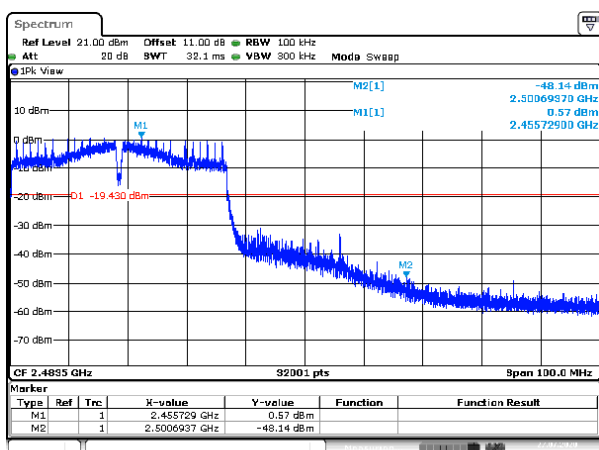
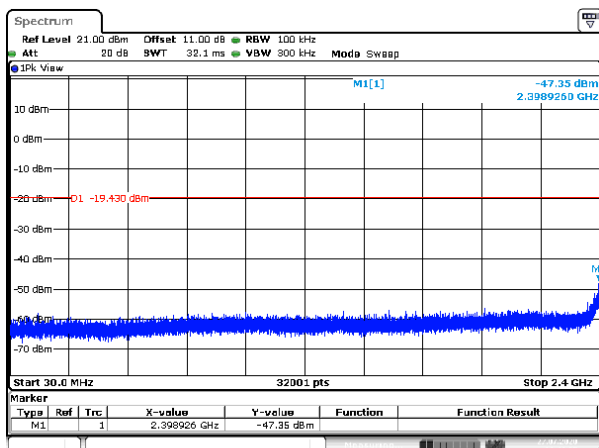


Modulation Type: 802.11n HT40, CH06





Modulation Type: 802.11n HT40, CH09





10. 功率密度之規定

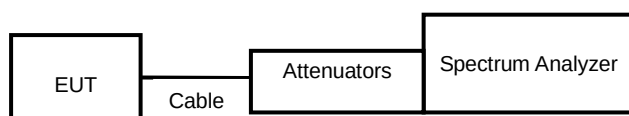
10.1. 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範 4.10.1.6 節之(2)(B)規定，對數位調變技術系統，在使用任意 3 kHz 之頻寬內，由發射機傳導至天線之峰值發射電功率密度在任意期間內，皆不得大於 8dBm，且應依 3.10.1.3 之方式降低功率頻譜密度限制值。

10.2. 測試方法

1. 將待測物和儀器相連接。
2. 設定儀器解析頻寬為 3kHz、視訊頻寬為 10 kHz。
3. 量測並記錄於報告中。

10.3. 測試配置



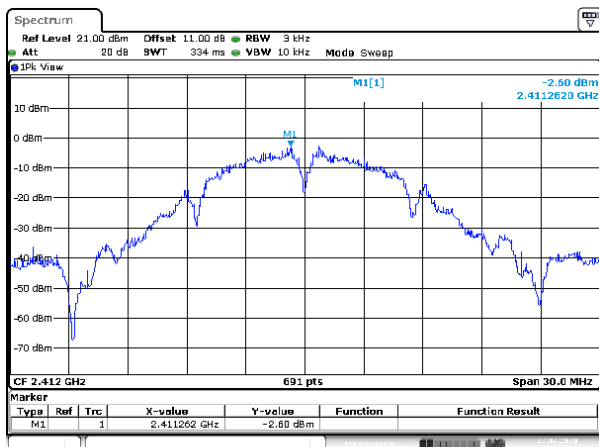
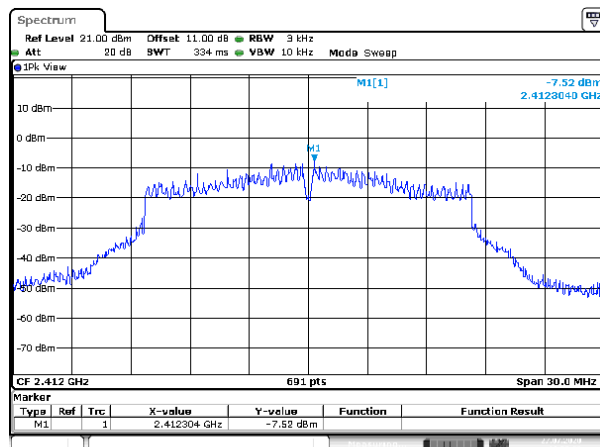
10.4. 功率密度之量測結果及數據

Modulation Type	Channel	Frequency (MHz)	Maximum Power Density of 3KHz Bandwidth(dBm)	Sum chain (dBm)	Duty Cycle CF(dB)	Total PSD (dBm)	Limit (dBm)
			ANT A				
11b	1	2412	-2.60	-2.60	0.00	-2.60	8.00
	6	2437	-4.36	-4.36	0.00	-4.36	8.00
	11	2462	-4.94	-4.94	0.00	-4.94	8.00
11g	1	2412	-7.52	-7.52	0.00	-7.52	8.00
	6	2437	-4.48	-4.48	0.00	-4.48	8.00
	11	2462	-6.04	-6.04	0.00	-6.04	8.00
11n HT20	1	2412	-8.60	-8.60	0.00	-8.60	8.00
	6	2437	-4.97	-4.97	0.00	-4.97	8.00
	11	2462	-6.81	-6.81	0.00	-6.81	8.00
11n HT40	3	2422	-12.80	-12.80	0.00	-12.80	8.00
	6	2437	-10.05	-10.05	0.00	-10.05	8.00
	9	2452	-12.04	-12.04	0.00	-12.04	8.00

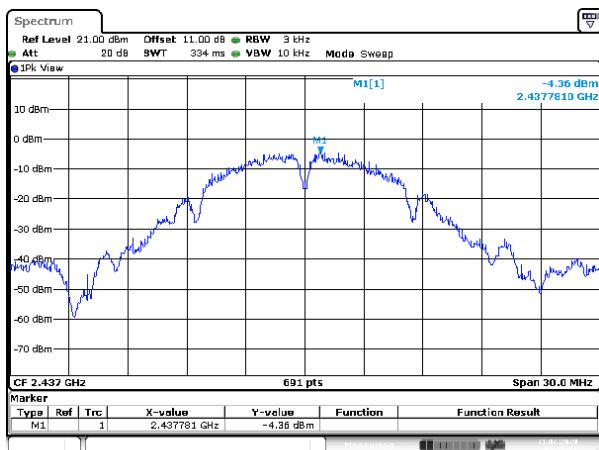
備註：繪圖資料請參考下頁。

10.5. 結果判定

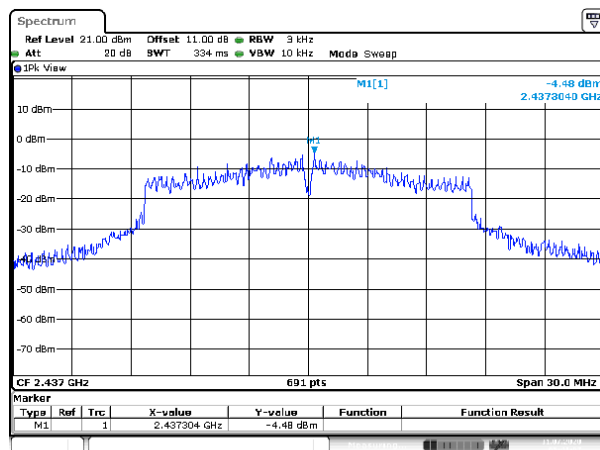
高、中、低頻段的 3 kHz 功率密度皆低於 8 dBm，合乎標準規定。

Modulation Type: 802.11b
CH01Modulation Type: 802.11g
CH01

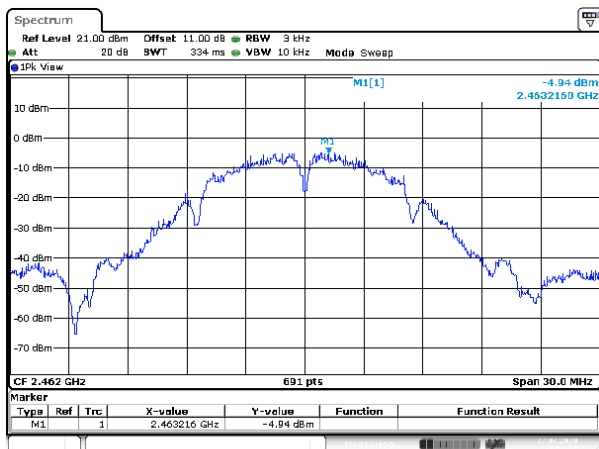
CH06



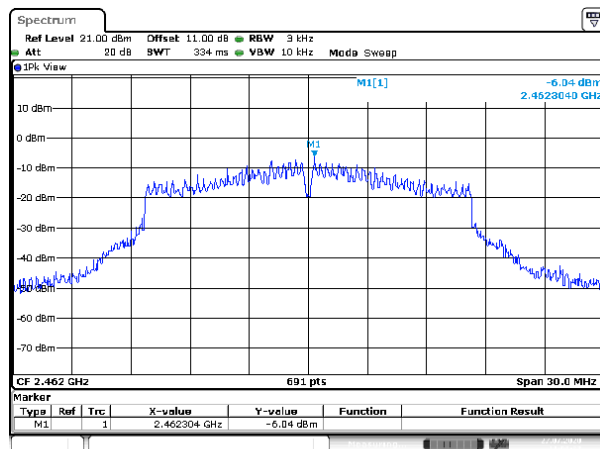
CH06

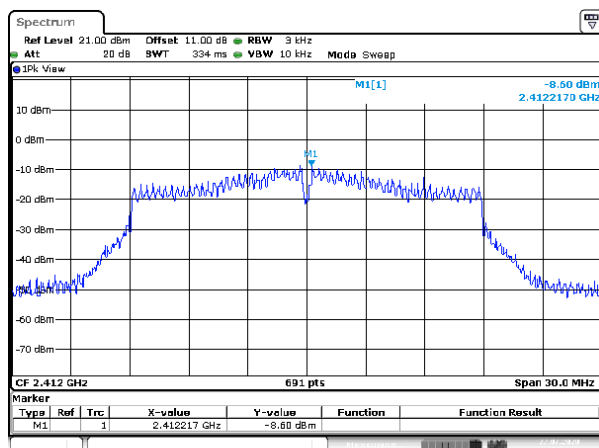
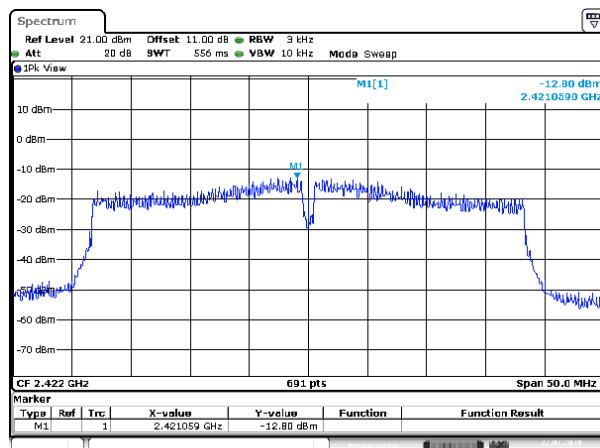


CH11

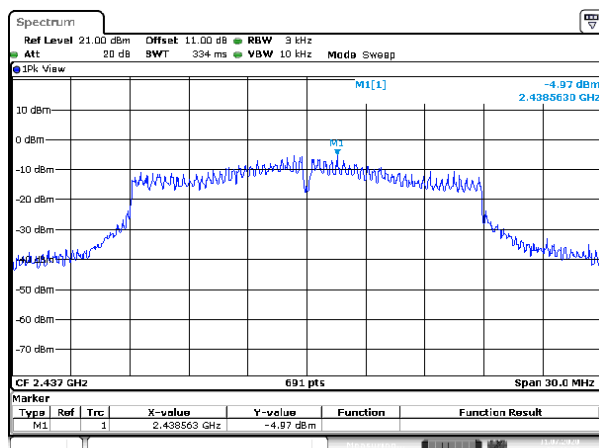


CH11

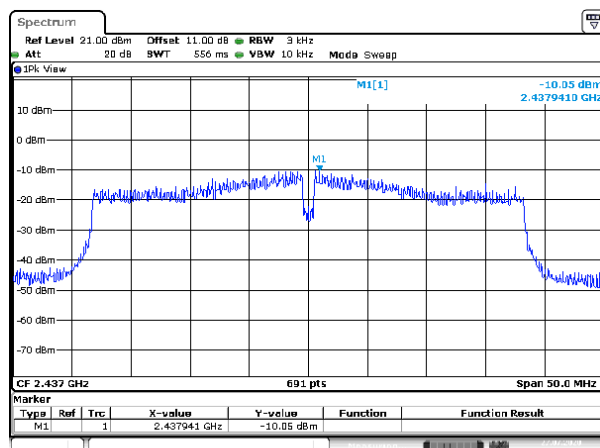


Modulation Type: 802.11n HT20
CH01Modulation Type: 802.11n HT40
CH03

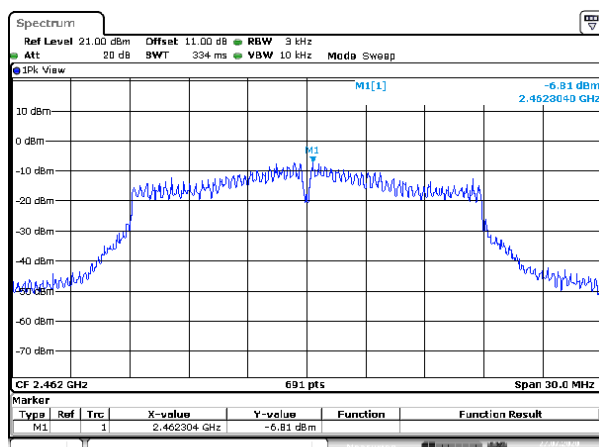
CH06



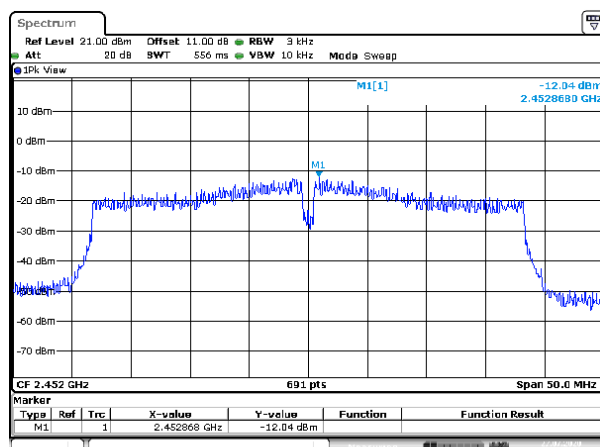
CH06



CH11



CH09





11. 電波暴露量之評估

11.1. 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範 6.20 節之(6.20.2)規定，若受測物於正常操作模式下，其發射機距離人體 20 公分以上者，可測試最大暴露允許值(Maximum Permissible Exposure, MPE)以證明其符電波暴露量之要求。限制值如下：

(1) 職業性/可控制之暴露

頻率範圍 (MHz)	電場強度 (V/m)	磁場強度 (A/m)	功率密度 (mW/cm ²)	平均時間 (minutes)
0.3-3.0	614	1.63	*100	6
3-30	1842/f	4.89/f	*900/f ²	6
30-300	61.4	0.163	1.0	6
300-1,500	-----	-----	f/300	6
1,500-100,000	-----	-----	5.0	6

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：百萬赫(MHz)。

(2) 一般人/不可控制之暴露

頻率範圍 (MHz)	電場強度 (V/m)	磁場強度 (A/m)	功率密度 (mW/cm ²)	平均時間 (minutes)
0.3-3.0	614	1.63	*100	30
3-30	1842/f	4.89/f	*180/f ²	30
30-300	27.5	0.073	1.0	30
300-1,500	-----	-----	f/1500	30
1,500-100,000	-----	-----	1.0	30

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：百萬赫(MHz)。



11.2. 電波暴露量之評估結果及數據

Channel Frequency (MHz)	Max. Conducted output power(dBm)	Max. Tune up power (dBm)	Antenna Gain(dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
2412-2462	23.46	25.46	2.6	20	0.127	1

Maximum Permissible Exposure (Co-location)

Modulation Type	Channel Frequency (MHz)	Max. Conducted output power (dBm)	Max. Tune up power (dBm)	Antenna Gain(dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)	MPE Ratio
11g	2412-2462	23.46	25.46	2.6	20	0.127	1.000	0.127
GFSK	2402-2480	5.89	7.89	2.6	20	0.002	1.000	0.002
Co-location Total								0.129
Σ MPE ratios Limit								1

11.3. 結果判定

高、中、低頻段的電波暴露量皆低於限制值，合乎標準規定。



12. 限制使用之頻帶

Only spurious emissions are permitted in any of the frequency bands listed below:

頻率(兆赫)	頻率(兆赫)	頻率(兆赫)
0.090 - 0.110	240.00 - 285.00	3332.0 - 3339.0
0.490 - 0.510	322.00 - 335.40	3345.8 - 3358.0
2.172 - 2.198	399.90 - 410.00	3500.0 - 4400.0
3.013 - 3.033	485.00 - 510.00	4500.0 - 5250.0
4.115 - 4.198	608.00 - 614.00	5350.0 - 5460.0
5.670 - 5.690	703.00 - 748.00	7250.0 - 7750.0
6.200 - 6.300	758.00 - 803.00	8025.0 - 8500.0
8.230 - 8.400	825.00 - 915.00	9000.0 - 9200.0
12.265 - 12.600	930.00 - 1240.0	9300.0 - 9500.0
13.340 - 13.430	1300.0 - 1427.0	10600 - 12700
14.965 - 15.020	1435.0 - 1626.5	13250 - 13400
16.700 - 16.755	1660.0 - 1785.0	14470 - 14500
19.965 - 20.020	1805.0 - 1880.0	15350 - 16200
25.500 - 25.700	1885.0 - 1900.0	17700 - 21400
37.475 - 38.275	1905.0 - 1985.0	22010 - 23120
73.500 - 75.400	2010.0 - 2025.0	23600 - 24000
108.00 - 138.00	2110.0 - 2170.0	31200 - 31800
149.90 - 150.05	2200.0 - 2300.0	36430 - 36500
156.70 - 156.90	2310.0 - 2390.0	38600 以上
162.01 - 167.17	2483.5 - 2900.0	
167.72 - 173.20	3260.0 - 3267.0	

-----THE END OF REPORT-----