



低功率射頻器材測試報告

申請廠商	: 惠州高盛達科技有限公司
地址	: 惠州市惠澳大道惠南高新科技產業園金達路 2 號
工廠	: 惠州高盛達科技有限公司
地址	: 惠州市惠澳大道惠南高新科技產業園金達路 2 號
產品名稱	: WIFI+BT Module
產品型號	: DCT2CM2101
廠牌	: GSD
受理日期	: 110 年 09 月 08 日
完成日期	: 110 年 09 月 30 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





目 錄

證 明 書	5
1. 一般描述	6
1.1. 差異說明	7
1.2. 無線界面規格及頻道對應頻率	7
1.3. 測試模式之描述	8
1.4. 受測裝置之系統說明	10
1.5. 測試場地	11
1.6. 量測不確定度	11
2. 測試儀器	12
3. 天線增益之要求	13
3.1. 天線型式及其增益	13
3.2. 結果判定	13
4. 電源線傳導干擾之量測規定	14
4.1. 適用標準	14
4.2. 測試方法	14
4.3. 傳導干擾之擺設	14
4.4. 傳導干擾之測試結果及數據	15
4.5. 傳導量測之配置照片	19
5. 輻射之量測規定	20
5.1. 適用標準	20
5.2. 測試方法	20
5.3. 輻射場地之擺設	20
5.4. 輻射之測試結果及數據 (9kHz ~ 30MHz)	22
5.5. 輻射之測試結果及數據 (30MHz ~ 1GHz)	22
5.6. 輻射之測試結果及數據 (1GHz ~ 25GHz)	26
5.7. 輻射量測之配置照片 (30MHz ~ 1GHz)	68
5.8. 輻射量測之配置照片 (1GHz ~ 25GHz)	69
6. On Time, Duty Cycle and Measurement methods	70
6.1. 適用標準	70
6.2. 測試方法	70
6.3. 測試配置	70
6.4. 測試結果及數據	70
7. 6dB 頻寬之規定	72
7.1. 適用標準	72
7.2. 測試方法	72
7.3. 測試配置	72
7.4. 6dB 頻寬之測試結果及數據	73
7.5. 結果判定	73
8. 峰值輸出功率之規定	78
8.1. 適用標準	78
8.2. 測試方法	78
8.3. 測試配置	78
8.4. 峰值輸出功率之測試結果及數據	79
8.5. 結果判定	79
9. 混附波發射限制之規定	80
9.1. 適用方法	80
9.2. 測試方法	80
9.3. 測試配置	80
9.4. 結果判定	80
10. 功率密度之規定	89
10.1. 適用標準	89
10.2. 測試方法	89
10.3. 測試配置	89



10.4.	功率密度之量測結果及數據	90
10.5.	結果判定	90
11.	電波暴露量之評估	95
11.1.	適用標準	95
11.2.	電波暴露量之評估結果及數據	95
11.3.	結果判定	95
12.	限制使用之頻帶	96
附錄 A:	產品照	A1 ~ A6
附錄 B:	測試配件照	B1



修訂記錄

報告號碼.	發行日期	描述
21090057-TRNCC01	Sept. 30, 2021	Original



證 明 書

申請廠商	:	惠州高盛達科技有限公司
地址	:	惠州市惠澳大道惠南高新科技產業園金達路 2 號
工廠	:	惠州高盛達科技有限公司
地址	:	惠州市惠澳大道惠南高新科技產業園金達路 2 號
產品名稱	:	WIFI+BT Module
產品型號	:	DCT2CM2101
廠牌	:	GSD
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器材技術規範(LP0002)。 規範修訂日期 109 年 07 月 01 日。
發射功率 (電場強度)	:	25.90dBm

茲在此鄭重聲明：

本試驗報告所列之待測設備樣品於民國 110 年 09 月 27 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器材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器材技術規範規定。

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	低功率射頻器材技術 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 及 5.5 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：



1. 一般描述

Main Chip	MT7663BUN
IEEE Standards	IEEE 802.11a/b/g/n/ac+ BT
Operating Frequencies	2.4GHz~2.4835GHz /5.150~5.825GHz
Modulation	BT: GFSK, $\pi/4$ -DQPSK, 8DPSK BLE: GFSK 802.11b: CCK, DQPSK, DBPSK 802.11a/g: 64-QAM, 16-QAM, QPSK, BPSK 802.11n: 64-QAM, 16-QAM, QPSK, BPSK (註: 802.11n 可以支持 1TX, 2TX 兩種模式) 802.11ac: 256-QAM, 64-QAM, 16-QAM, QPSK, BPSK (註: 802.11ac 可以支持 1TX, 2TX 兩種模式)
Wireless Data Rate	BT: GFSK: 1Mbps, $\pi/4$ -DQPSK: 2Mbps, 8DPSK: 3Mbps BLE: GFSK: 1Mbps, 2Mbps WIFI 2.4G: 802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: HT20 reach up to 144.4Mbps, HT40 reach up to 300Mbps WIFI 5G: 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: HT20 reach up to 144.4Mbps, HT40 reach up to 300Mbps 802.11ac: VHT20 reach up to 173.3Mbps, VHT40 reach up to 400Mbps, VHT80 reach up to 866.7Mbps
Working Temperature	-10°C to +70°C
Storage Temperature	-40°C to +80°C
Power Supply	3.3V +/-10%

Note: For more details, please refer to the User's manual of the EUT.



1.1. 差異說明

無。

1.2. 無線界面規格及頻道對應頻率

802.11b, 802.11g, 802.11n HT20

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



1.3. 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. EUT 連接治具，治具再連接電腦，電腦於 Win 7 作業系統下，EUT 進入 “QATool_Dbg.exe” 來發射與接收訊號。(軟體版本號: 0.0.1.98.)

- 執行以下測試模式如下：

傳導干擾(For TX & RX)	
Test Mode	Operating Description
1	802.11b
2	802.11g
3	802.11n HT20
4	802.11n HT40
caused “Test Mode 1” generated the worst case, it was reported as the final data.	
輻射干擾(Below 1GHz For TX & RX)	
Test Mode	Operating Description
1	802.11b
2	802.11g
3	802.11n HT20
4	802.11n HT40
caused “Test Mode 1” generated the worst case, it was reported as the final data.	
輻射干擾(above 1GHz For 1TX)	
Test Mode	Operating Description
1	802.11b (1 Mbps)
2	802.11g (6 Mbps)
3	802.11n HT20 (6.5 Mbps)
4	802.11n HT40 (13.5 Mbps)
caused “Test Mode 1~4” generated the worst case, it was reported as the final data.	
輻射干擾(above 1GHz For 2TX)	
Test Mode	Operating Description
1	802.11n HT20 (13 Mbps)
2	802.11n HT40 (27 Mbps)
caused “Test Mode 1~2” generated the worst case, it was reported as the final data.	
輻射干擾(above 1GHz For RX)	
Test Mode	Operating Description
1	802.11b
2	802.11g
3	802.11n HT20
4	802.11n HT40
caused “Test Mode 1” generated the worst case, it was reported as the final data.	
直量量測 (For 1TX)	
Test Mode	Operating Description
1	802.11b (1 Mbps)
2	802.11g (6 Mbps)
3	802.11n HT20 (6.5 Mbps)
4	802.11n HT40 (13.5 Mbps)
caused “Test Mode 1~4” generated the worst case, it was reported as the final data.	
直量量測 (For 2TX)	
1	802.11n HT20 (13Mbps)
2	802.11n HT40 (27 Mbps)
caused “Test Mode 1~2” generated the worst case, it was reported as the final data.	

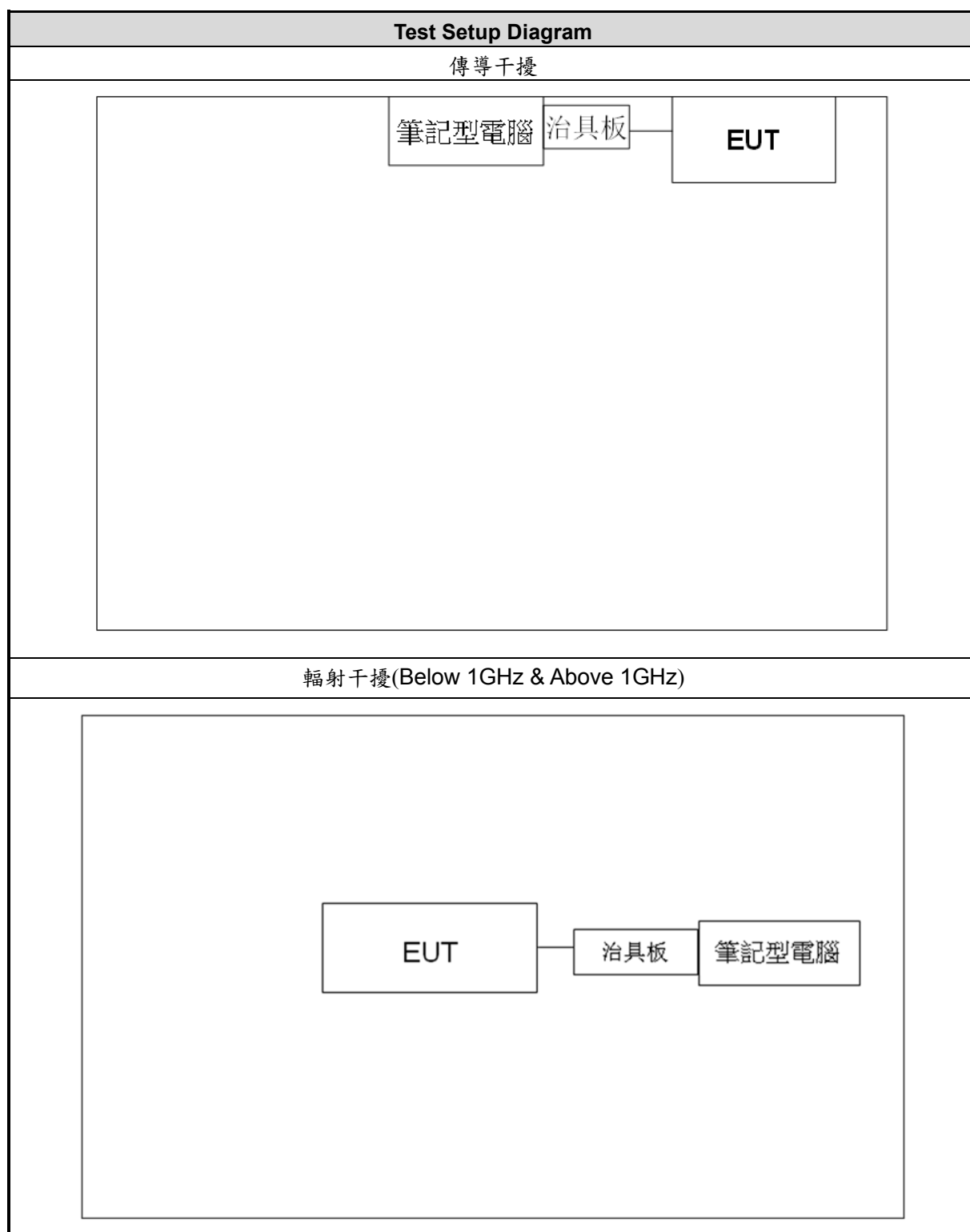
注：經驗證 1TX 最差數據為 Ant2 測試資料。



Modulation Type	TX CONFIGURATION
802.11b	1TX
802.11g	1TX
802.11n HT20	1TX/2TX
802.11n HT40	1TX/2TX



1.4. 受測裝置之系統說明



[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：

AC Power Line Conducted Emission & Radiated Emissions & RF Conducted				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
筆記型電腦	Sony	PCG-71811P	N/A	非隔離/1.8m
治具板	GSD	N/A	隔離/1.2m	N/A



1.5. 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器材技術規範以及參考 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	Finish Date	Environmental Conditions	Tested By
RF Conducted	RFCON01-NK	2021/09/09~2021/09/27	22~25°C / 50~60%	Nick Guan
Radiated Emissions (LF, TX)	3M01-NK	2021/09/09~2021/09/27	22~25°C / 50~60%	Nick Guan
Radiated Emissions (LF, RX)	3M01-NK	2021/09/09~2021/09/27	22~25°C / 50~60%	Nick Guan
Radiated Emissions (HF, TX)	3M01-NK	2021/09/09~2021/09/27	22~25°C / 50~60%	Nick Guan
Radiated Emissions (HF, RX)	3M01-NK	2021/09/09~2021/09/27	22~25°C / 50~60%	Nick Guan
AC Power Line Conducted Emission	CON02-NK	2021/09/09~2021/09/27	22~25°C / 50~60%	Nick Guan

1.6. 量測不確定度

量測項目	不確定度
AC Power Line Conduction(150K~30MHz)	±1.90dB
Radiated Spurious Emission(9KHz~30MHz)	±3.405dB
Radiated Spurious Emission(30MHz~1GHz)	±5.636dB
Radiated Spurious Emission(1GHz~25GHz)	±6.621dB
Conducted Spurious Emission	±1.8dB
6dB Bandwidth	±4.4%
20dB Bandwidth	±4.4%
Occupied Bandwidth	±4.4%
Peak Output Power(Conducted Power Meter)	±1.1dB
Dwell Time	±1.2%
Power Spectral Density	±1.8dB
Duty Cycle	±1.2%



2. 測試儀器

Test Item	Radiated Emissions				
Test Site	Semi Anechoic Room(3M01-NK)				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Active Loop Antenna	EMCO	6507	40855	2021/06/10	2022/06/09
Bilog Antenna	Sunol	JB1	A080713	2020/10/07	2021/10/06
Horn Antenna	Schwarzbeck	BBHA 9120 D	9120D-1785	2020/10/16	2021/10/15
Horn Antenna	Schwarzbeck	BBHA 9120 D	9120D-02203	2021/03/16	2022/03/15
EMI Receiver	ROHDE & SCHWARZ	ESR 7	101906	2021/05/20	2022/05/19
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	102151	2021/07/14	2022/07/13
Preamplifier	EM Electronics corp.	EM330	60611	2021/03/26	2022/03/25
Preamplifier	EM Electronics corp.	EM01G18G	60700	2021/5/20	2022/5/19
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2020/11/06	2021/11/05
Cable-1m(1G-40G)	HUBER SUHNER	EM104-SMSM	MY4569/2	2021/06/29	2022/06/28
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130606	2021/03/15	2022/03/14
Cable-9m(1G-40G)	HUBER SUHNER	EM104-SMSM	MY5740/2	2021/06/29	2022/06/28
Cable-0.5m(30M-1G)	HUBER SUHNER	RG-214	Cable-08	2021/03/15	2022/03/14
Cable-1m(30M-1G)	HUBER SUHNER	RG-214	Cable-09	2021/03/15	2022/03/14
Cable-6m(30M-1G)	HUBER SUHNER	RG-214	Cable-10	2021/03/15	2022/03/14
Cable-1.5m(1G-40G)	HUBER SUHNER	EM104-SMSM	MY5739/2	2021/06/29	2022/06/28
Cable-3m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	MY2608/2	2021/04/09	2022/04/08
Cable-0.5m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	28420/2	2021/04/03	2022/04/02
E3	AUDIX	v8.2014-8-6	RK-000533	NA	NA

Test Item	RF Conducted				
Test Site	RFCON01-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Spectrum Analyzer	KEYSIGHT	N9010A	MY54200207	2021/04/21	2022/04/20
CAX Signal Analyzer	KEYSIGHT	N9000B	MY57100339	2020/11/10	2021/11/09
Attenuator	KEYSIGHT	8491B	MY39250703	2021/04/09	2022/04/08
Power Meter	Anritsu	ML2495A	1224005	2021/04/14	2022/04/13
Power Sensor	Anritsu	MA2411B	1207295	2021/04/14	2022/04/13

Test Item	AC Power Line Conducted Emission				
Test Site	CON02-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
EMI Receiver	ROHDE & SCHWARZ	ESCI	100443	2021/05/20	2022/05/19
Line Impedance Stabilization Network	Schwarzbeck	NSLK 8127	8127-568	2021/06/02	2022/06/01
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130606	2021/03/15	2022/03/14
E3	AUDIX	v8.2014-8-6	RK-000536	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器材技術規範(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

ANT 1

- 1.1 Brand : GSD
- 1.2 Model : G.5.13.WC0DXXDAXX
- 1.3 Antenna type : FPC Antenna
- 1.4 Frequency Rang : 2400-2500MHz
- 1.5 Gain(peak) : 2dBi

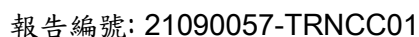
ANT 2

- 1.1 Brand : GSD
- 1.2 Model : G.5.13.WC0DXXDAXX
- 1.3 Antenna type : FPC Antenna
- 1.4 Frequency Rang : 2400-2500MHz
- 1.5 Gain(peak) : 2dBi

(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。



4.1. 適用標準

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

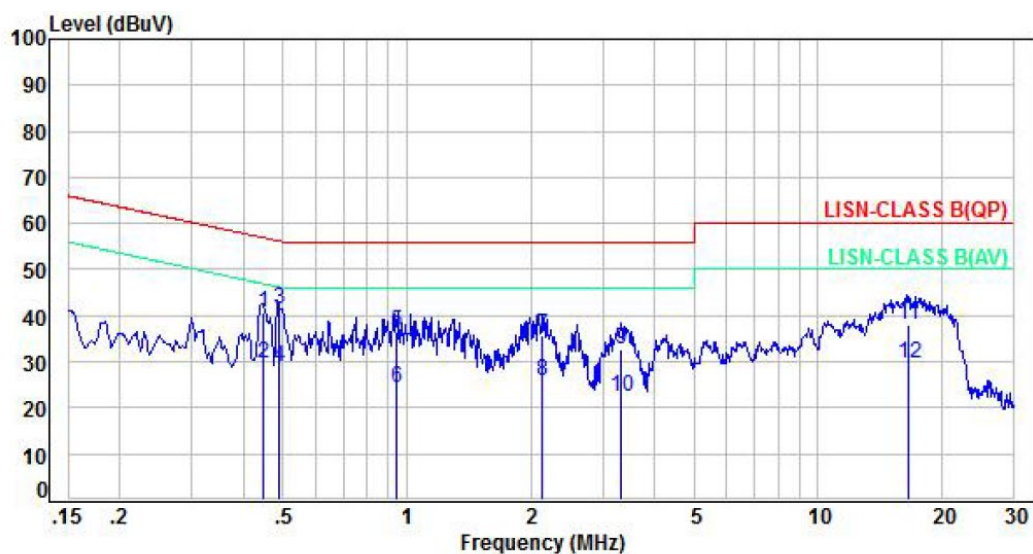
註：隨頻率之對數遞減

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。



4.4. 傳導干擾之測試結果及數據

Power	: AC 110V / 60Hz	Pol/Phase	: LINE
Test Mode	: Mode 1	Operation Mode:	: TX



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.45	9.84	30.82	40.66	56.94	-16.28	QP	P
2	0.45	9.84	19.68	29.52	46.94	-17.42	Average	P
3	0.49	9.83	31.46	41.29	56.23	-14.94	QP	P
4	0.49	9.83	19.08	28.91	46.23	-17.32	Average	P
5	0.94	9.82	26.81	36.63	56.00	-19.37	QP	P
6	0.94	9.82	14.69	24.51	46.00	-21.49	Average	P
7	2.14	9.88	25.80	35.68	56.00	-20.32	QP	P
8	2.14	9.88	16.05	25.93	46.00	-20.07	Average	P
9	3.32	9.90	22.90	32.80	56.00	-23.20	QP	P
10	3.32	9.90	12.55	22.45	46.00	-23.55	Average	P
11	16.57	10.11	28.05	38.16	60.00	-21.84	QP	P
12	16.57	10.11	19.47	29.58	50.00	-20.42	Average	P

Site: COND-02-NK

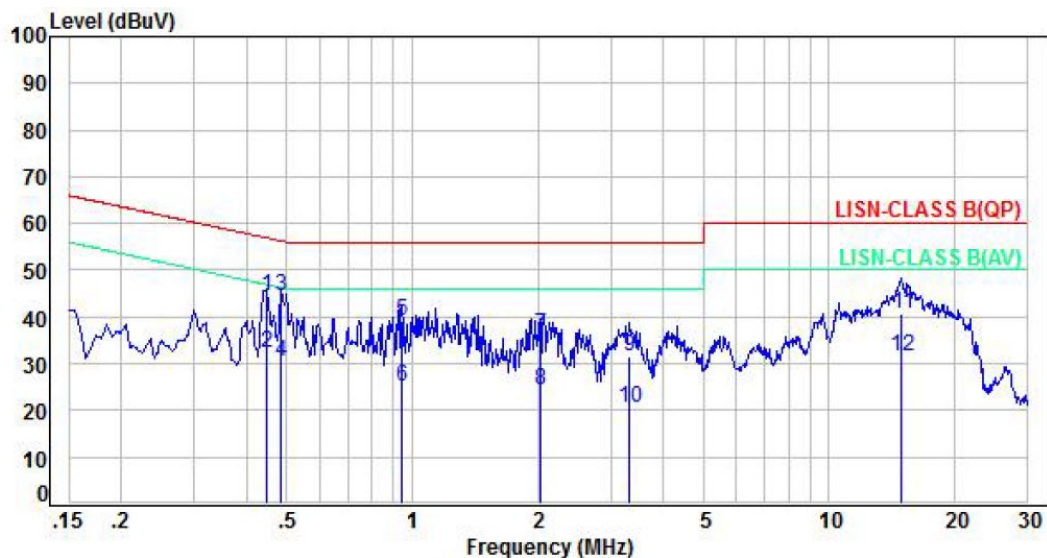
Note: Level=Reading+Factor

Margin=Level-Limit

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



Power	: AC 110V / 60Hz	Pol/Phase	: NEUTRAL
Test Mode	: Mode 1	Operation Mode:	: TX



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.45	9.76	34.82	44.58	56.92	-12.34	QP	P
2	0.45	9.76	22.74	32.50	46.92	-14.42	Average	P
3	0.49	9.76	34.74	44.50	56.24	-11.74	QP	P
4	0.49	9.76	20.55	30.31	46.24	-15.93	Average	P
5	0.94	9.77	29.53	39.30	56.00	-16.70	QP	P
6	0.94	9.77	15.26	25.03	46.00	-20.97	Average	P
7	2.04	9.82	26.16	35.98	56.00	-20.02	QP	P
8	2.04	9.82	14.49	24.31	46.00	-21.69	Average	P
9	3.32	9.87	21.55	31.42	56.00	-24.58	QP	P
10	3.32	9.87	10.71	20.58	46.00	-25.42	Average	P
11	14.93	10.07	30.47	40.54	60.00	-19.46	QP	P
12	14.93	10.07	21.58	31.65	50.00	-18.35	Average	P

Site: COND-02-NK

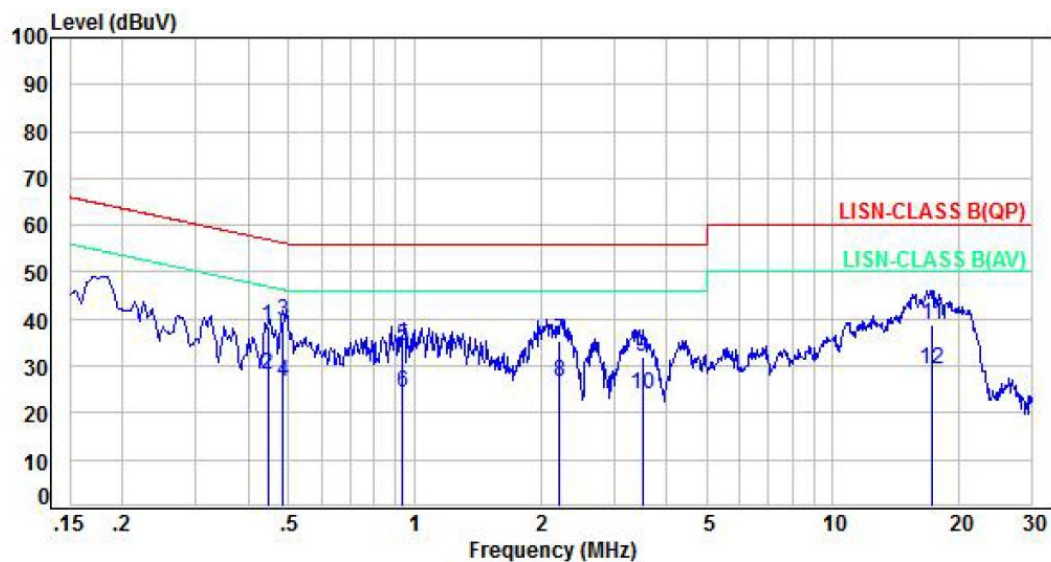
Note: Level=Reading+Factor

Margin=Level-Limit

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



Power	: AC 110V / 60Hz	Pol/Phase	: LINE
Test Mode	: Mode 1	Operation Mode:	: RX



No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV)	Limit (dBUV)	Margin (dB)	Detector	P/F
1	0.45	9.84	28.72	38.56	56.97	-18.41	QP	P
2	0.45	9.84	18.42	28.26	46.97	-18.71	Average	P
3	0.48	9.83	29.83	39.66	56.28	-16.62	QP	P
4	0.48	9.83	16.96	26.79	46.28	-19.49	Average	P
5	0.94	9.82	24.35	34.17	56.00	-21.83	QP	P
6	0.94	9.82	14.39	24.21	46.00	-21.79	Average	P
7	2.21	9.88	25.32	35.20	56.00	-20.80	QP	P
8	2.21	9.88	16.86	26.74	46.00	-19.26	Average	P
9	3.50	9.90	21.86	31.76	56.00	-24.24	QP	P
10	3.50	9.90	14.00	23.90	46.00	-22.10	Average	P
11	17.19	10.11	28.78	38.89	60.00	-21.11	QP	P
12	17.19	10.11	19.12	29.23	50.00	-20.77	Average	P

Site: COND-02-NK

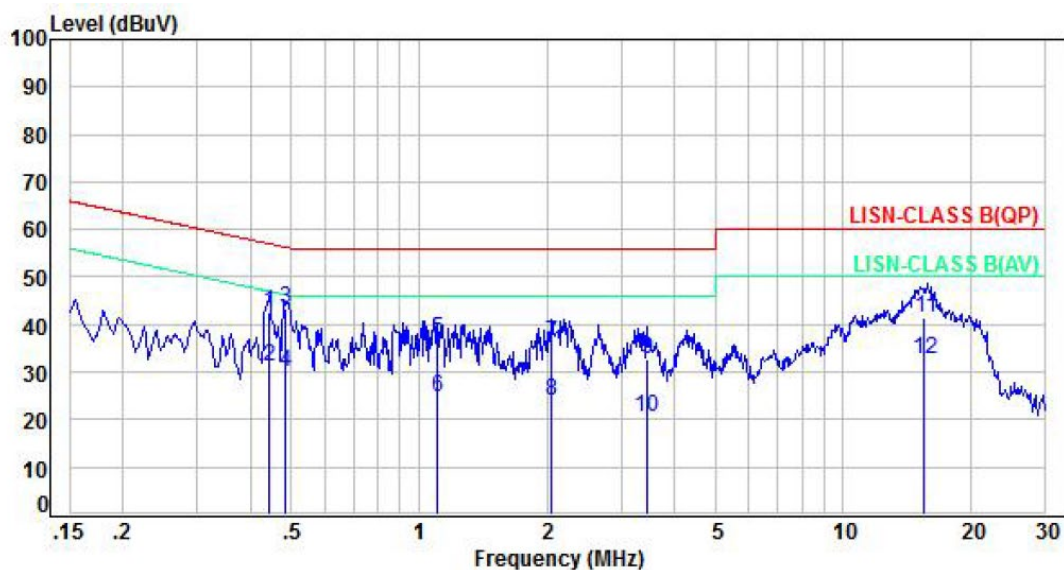
Note: Level=Reading+Factor

Margin=Level-Limit

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



Power	: AC 110V / 60Hz	Pol/Phase	: NEUTRAL
Test Mode	: Mode 1	Operation Mode:	: RX



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.44	9.76	32.71	42.47	57.02	-14.55	QP	P
2	0.44	9.76	21.44	31.20	47.02	-15.82	Average	P
3	0.48	9.76	33.75	43.51	56.26	-12.75	QP	P
4	0.48	9.76	20.26	30.02	46.26	-16.24	Average	P
5	1.10	9.77	27.16	36.93	56.00	-19.07	QP	P
6	1.10	9.77	14.95	24.72	46.00	-21.28	Average	P
7	2.06	9.82	26.30	36.12	56.00	-19.88	QP	P
8	2.06	9.82	14.31	24.13	46.00	-21.87	Average	P
9	3.43	9.87	22.76	32.63	56.00	-23.37	QP	P
10	3.43	9.87	10.78	20.65	46.00	-25.35	Average	P
11	15.56	10.09	31.45	41.54	60.00	-18.46	QP	P
12	15.56	10.09	22.72	32.81	50.00	-17.19	Average	P

Site: COND-02-NK

Note: Level=Reading+Factor

Margin=Level-Limit

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



4.5. 傳導量測之配置照片

正面照



側面照



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器材技術規範 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：

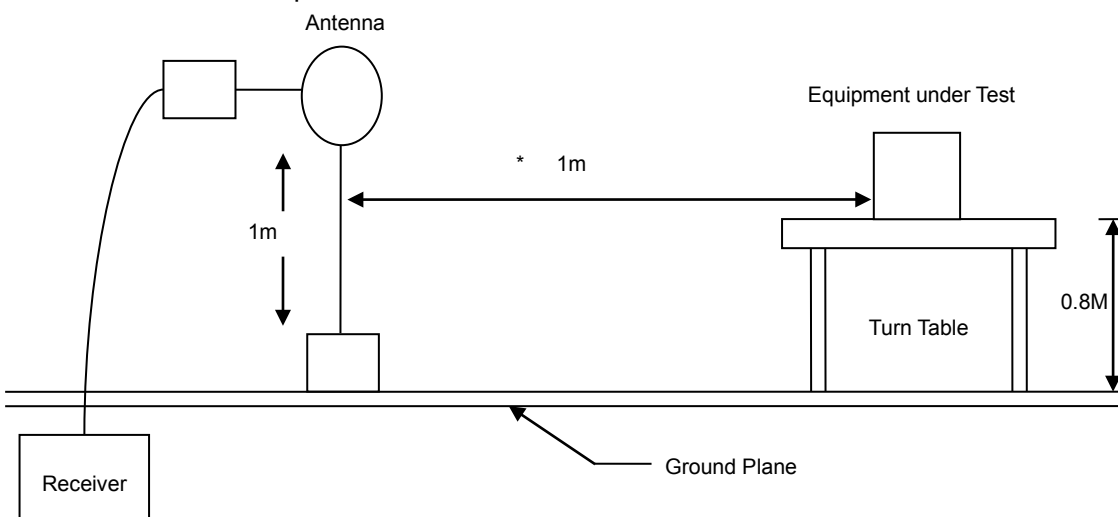
頻率(MHz)	測試距離(m)	限制值(dB μ V)	限制值(μ V/m)
0.009 – 0.490 (含)	300	67.6 / f(kHz)	2400 / f(kHz)
0.490 (不含) – 1.705 (含)	30	87.6 / f(kHz)	24000 / f(kHz)
1.705(不含) – 30(不含)	30	29.5	30
30 (含) – 88 (含)	3	40.0	100
88(不含) – 216 (含)	3	43.5	150
216(不含) – 960 (含)	3	46.0	200
960(不含)以上	3	54.0	500

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 x 軸)。

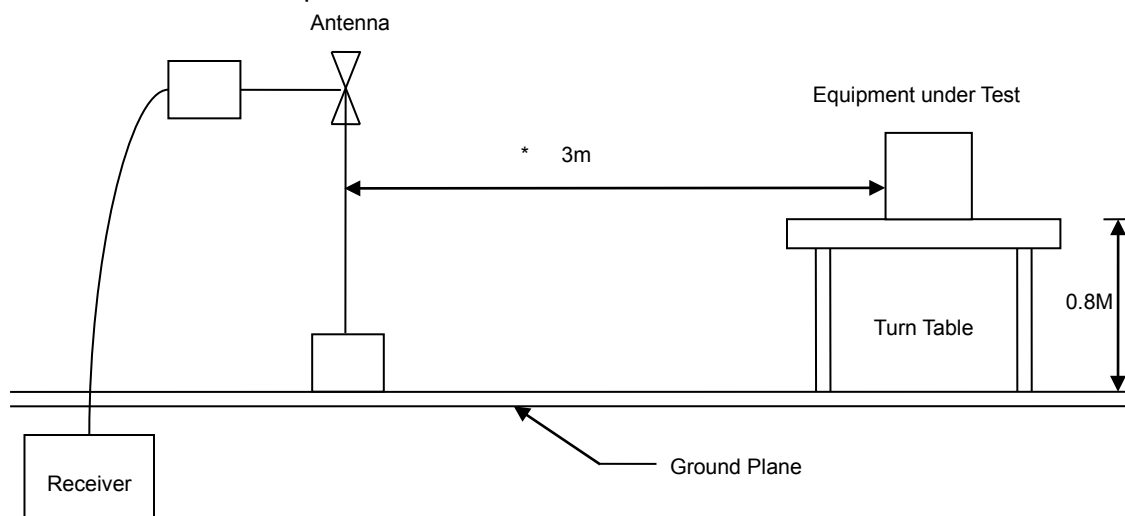
5.3. 輻射場地之擺設

Below 30MHz test setup

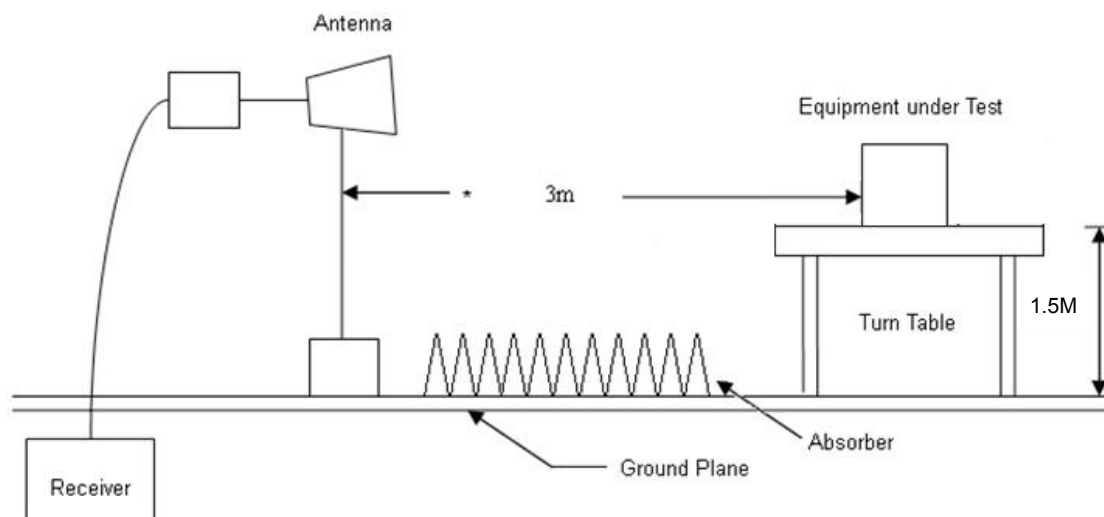




30MHz- 1GHz Test Setup



Above 1GHz Test Setup



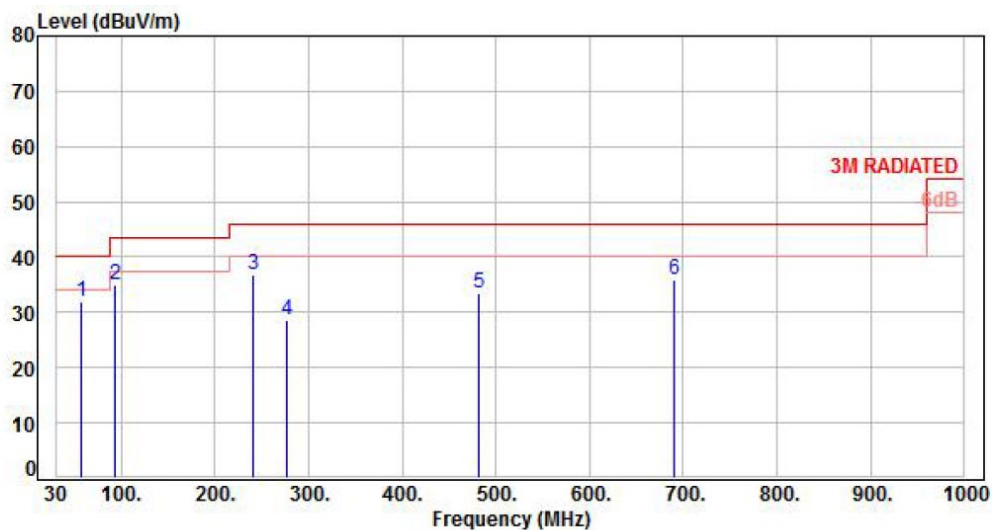


5.4. 輻射之測試結果及數據 (9kHz ~ 30MHz)

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 1	Operation Mode:	: TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	57.16	-17.01	49.10	32.09	40.00	-7.91	Peak	100	124	P
2	94.02	-16.00	51.00	35.00	43.50	-8.50	Peak	100	124	P
3	241.46	-11.58	48.34	36.76	46.00	-9.24	Peak	100	261	P
4	276.38	-9.77	38.33	28.56	46.00	-17.44	Peak	100	215	P
5	481.05	-5.00	38.50	33.50	46.00	-12.50	Peak	100	172	P
6	689.60	-1.95	37.84	35.89	46.00	-10.11	Peak	100	303	P

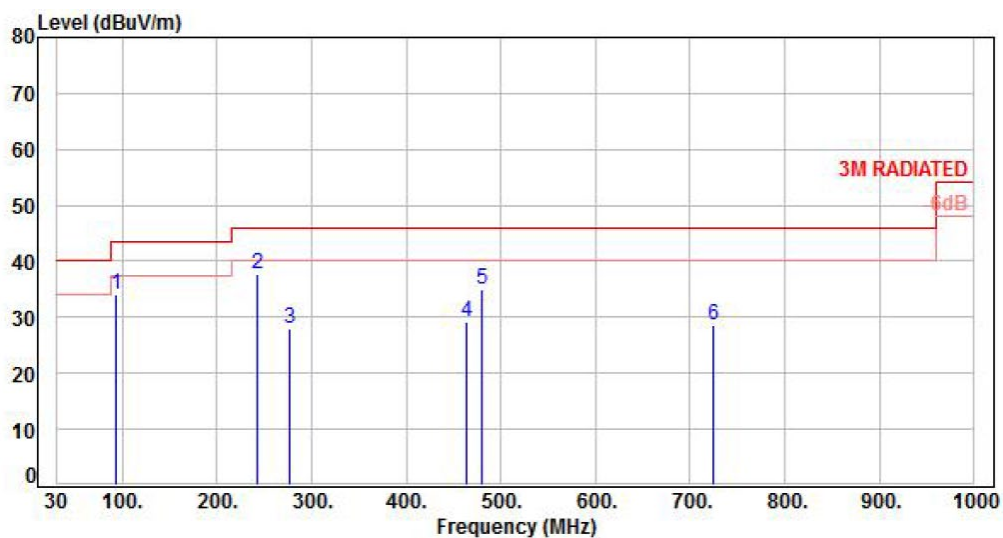
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 110V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1	Operation Mode:	:	TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	94.02	-16.00	50.12	34.12	43.50	-9.38	Peak	100	135	P
2	242.43	-11.57	49.15	37.58	46.00	-8.42	Peak	100	268	P
3	276.38	-9.77	37.87	28.10	46.00	-17.90	Peak	100	45	P
4	464.56	-5.58	34.65	29.07	46.00	-16.93	Peak	100	308	P
5	480.08	-5.04	40.00	34.96	46.00	-11.04	Peak	100	154	P
6	724.52	-1.25	29.71	28.46	46.00	-17.54	Peak	100	155	P

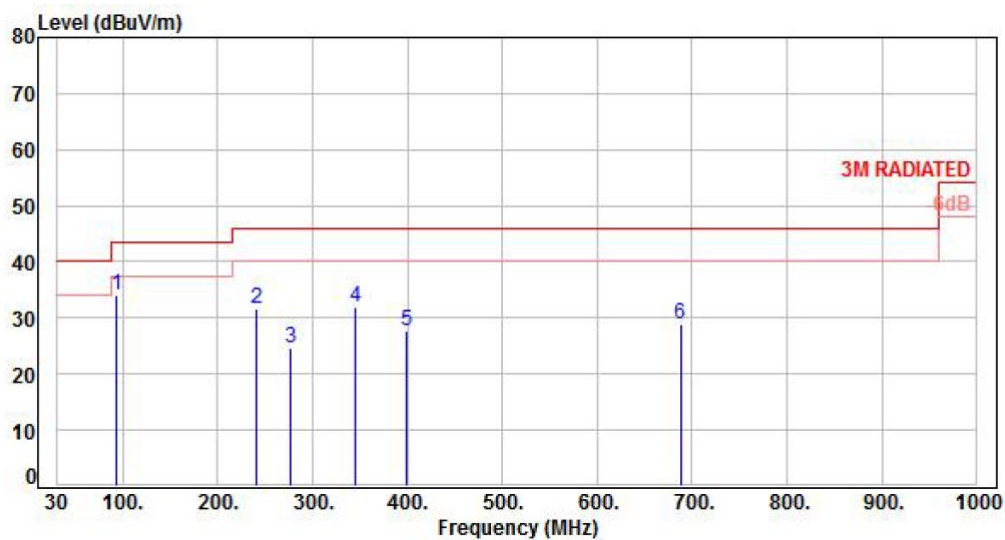
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1	Operation Mode:	: RX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	94.02	-16.00	50.12	34.12	43.50	-9.38	Peak	100	166	P
2	240.49	-11.59	43.16	31.57	46.00	-14.43	Peak	100	222	P
3	277.35	-9.77	34.33	24.56	46.00	-21.44	Peak	100	287	P
4	344.28	-8.56	40.43	31.87	46.00	-14.13	Peak	100	185	P
5	399.57	-7.18	34.83	27.65	46.00	-18.35	Peak	100	274	P
6	687.66	-2.00	30.85	28.85	46.00	-17.15	Peak	100	237	P

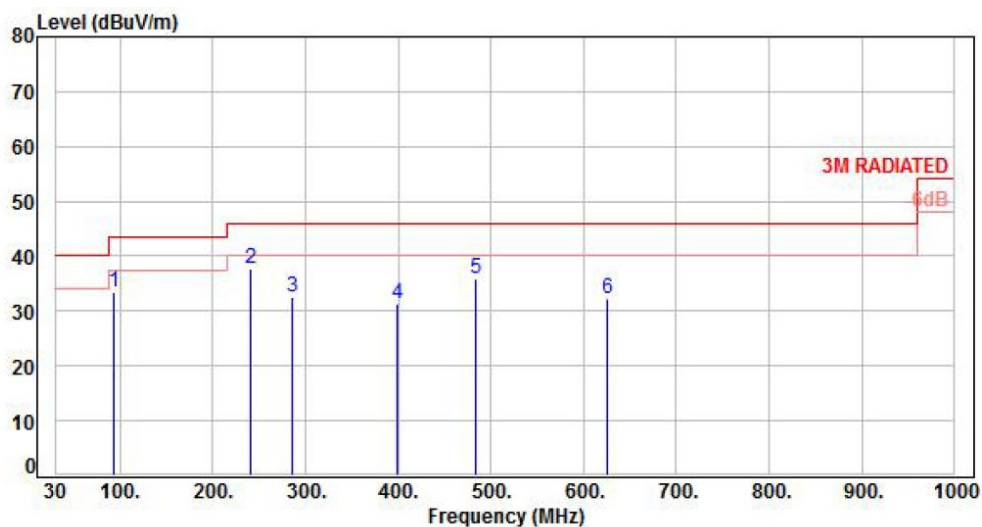
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1	Operation Mode:	: RX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	94.02	-16.00	49.61	33.61	43.50	-9.89	Peak	100	151	P
2	241.46	-11.58	49.41	37.83	46.00	-8.17	Peak	100	286	P
3	286.08	-9.83	42.44	32.61	46.00	-13.39	Peak	100	176	P
4	399.57	-7.18	38.56	31.38	46.00	-14.62	Peak	100	152	P
5	482.99	-4.91	40.76	35.85	46.00	-10.15	Peak	100	153	P
6	625.58	-2.74	34.99	32.25	46.00	-13.75	Peak	100	154	P

Note: Level=Reading+Factor

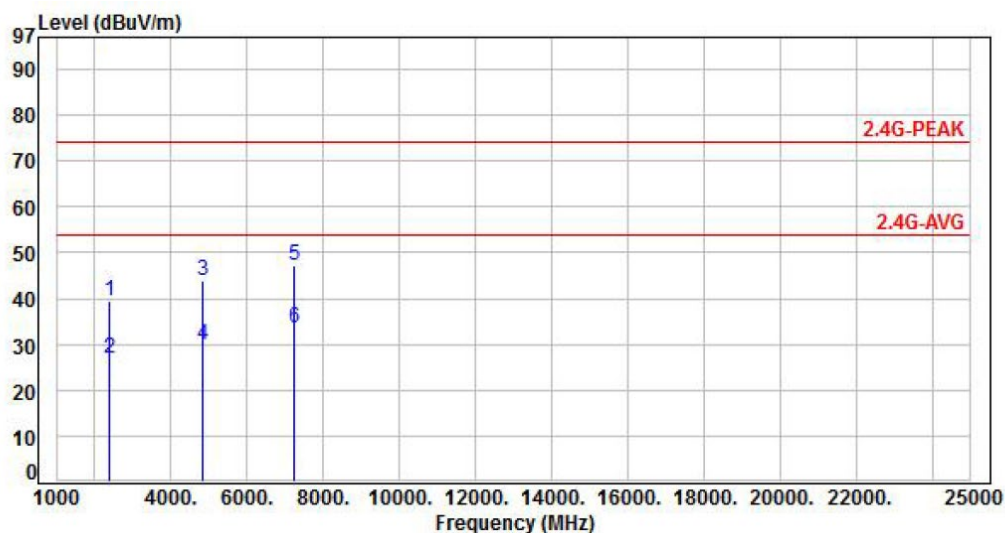
Margin=Level-Limit

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	Operation Mode:	: 1TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-30.60	70.13	39.53	74.00	-34.47	Peak	100	205	P
2	2390.00	-30.60	57.65	27.05	54.00	-26.95	Average	100	205	P
3	4824.00	-25.30	69.12	43.82	74.00	-30.18	Peak	100	105	P
4	4824.00	-25.30	55.34	30.04	54.00	-23.96	Average	100	105	P
5	7236.00	-19.66	66.87	47.21	74.00	-26.79	Peak	100	172	P
6	7236.00	-19.66	53.17	33.51	54.00	-20.49	Average	100	172	P

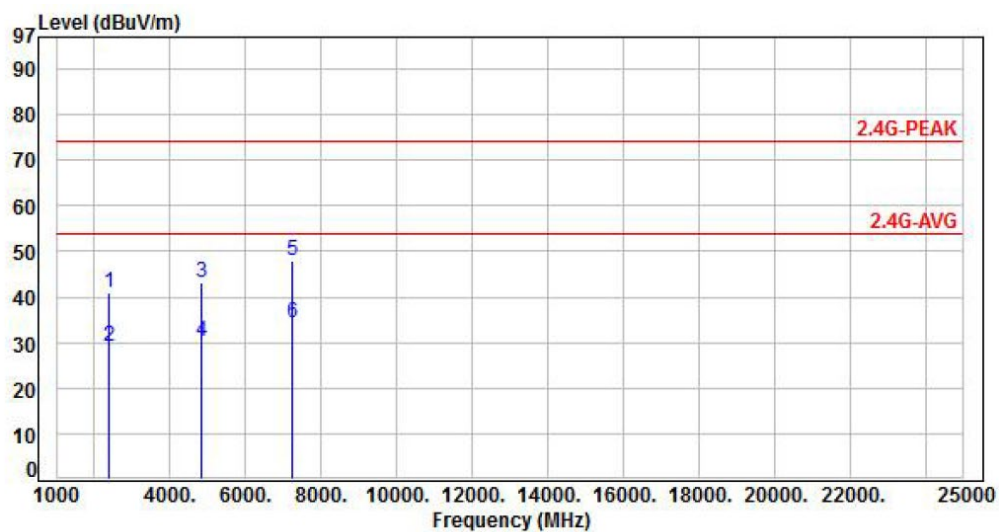
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, CH01	Operation Mode:	: 1TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-30.60	71.70	41.10	74.00	-32.90	Peak	100	206	P
2	2390.00	-30.60	59.91	29.31	54.00	-24.69	Average	100	206	P
3	4824.00	-25.30	68.57	43.27	74.00	-30.73	Peak	100	227	P
4	4824.00	-25.30	55.51	30.21	54.00	-23.79	Average	100	227	P
5	7236.00	-19.66	67.51	47.85	74.00	-26.15	Peak	100	112	P
6	7236.00	-19.66	53.95	34.29	54.00	-19.71	Average	100	112	P

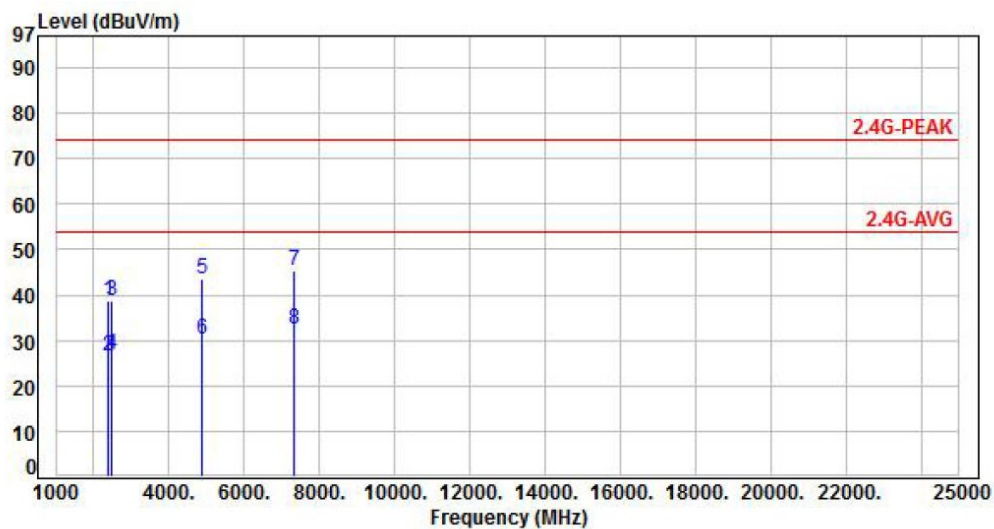
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, CH06	Operation Mode:	: 1TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-30.60	69.28	38.68	74.00	-35.32	Peak	100	265	P
2	2390.00	-30.60	57.24	26.64	54.00	-27.36	Average	100	265	P
3	2483.50	-30.72	69.61	38.89	74.00	-35.11	Peak	100	218	P
4	2483.50	-30.72	57.49	26.77	54.00	-27.23	Average	100	218	P
5	4874.00	-25.29	68.94	43.65	74.00	-30.35	Peak	100	136	P
6	4874.00	-25.29	55.61	30.32	54.00	-23.68	Average	100	136	P
7	7311.00	-19.59	64.97	45.38	74.00	-28.62	Peak	100	172	P
8	7311.00	-19.59	52.16	32.57	54.00	-21.43	Average	100	172	P

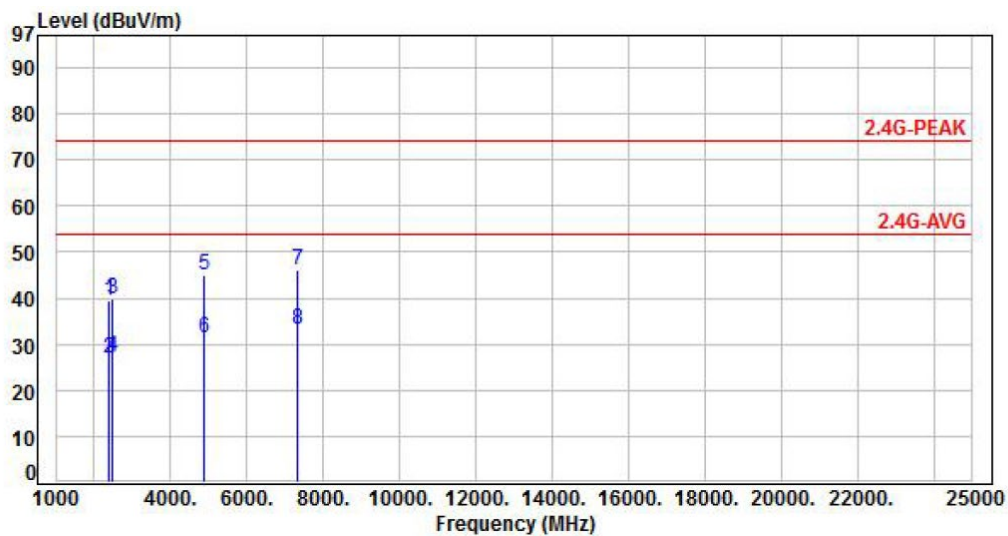
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, CH06	Operation Mode:	: 1TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-30.60	70.09	39.49	74.00	-34.51	Peak	100	220	P
2	2390.00	-30.60	57.66	27.06	54.00	-26.94	Average	100	220	P
3	2483.50	-30.72	70.58	39.86	74.00	-34.14	Peak	100	182	P
4	2483.50	-30.72	58.07	27.35	54.00	-26.65	Average	100	182	P
5	4874.00	-25.29	70.13	44.84	74.00	-29.16	Peak	100	118	P
6	4874.00	-25.29	56.55	31.26	54.00	-22.74	Average	100	118	P
7	7311.00	-19.59	65.87	46.28	74.00	-27.72	Peak	100	41	P
8	7311.00	-19.59	52.68	33.09	54.00	-20.91	Average	100	41	P

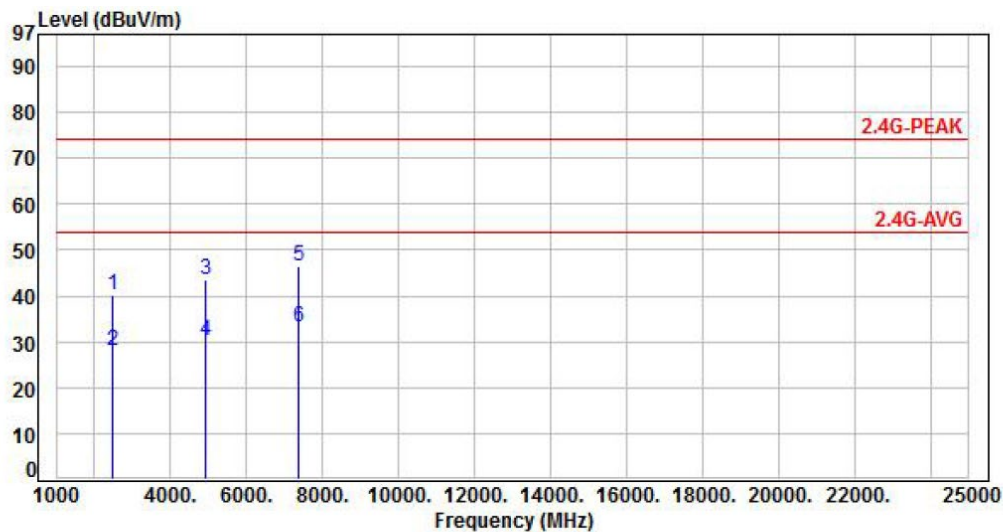
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, CH11	Operation Mode:	: 1TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-30.72	70.85	40.13	74.00	-33.87	Peak	100	205	P
2	2483.50	-30.72	58.87	28.15	54.00	-25.85	Average	100	205	P
3	4924.00	-25.24	68.86	43.62	74.00	-30.38	Peak	100	211	P
4	4924.00	-25.24	55.49	30.25	54.00	-23.75	Average	100	211	P
5	7386.00	-19.66	66.20	46.54	74.00	-27.46	Peak	100	108	P
6	7386.00	-19.66	52.87	33.21	54.00	-20.79	Average	100	108	P

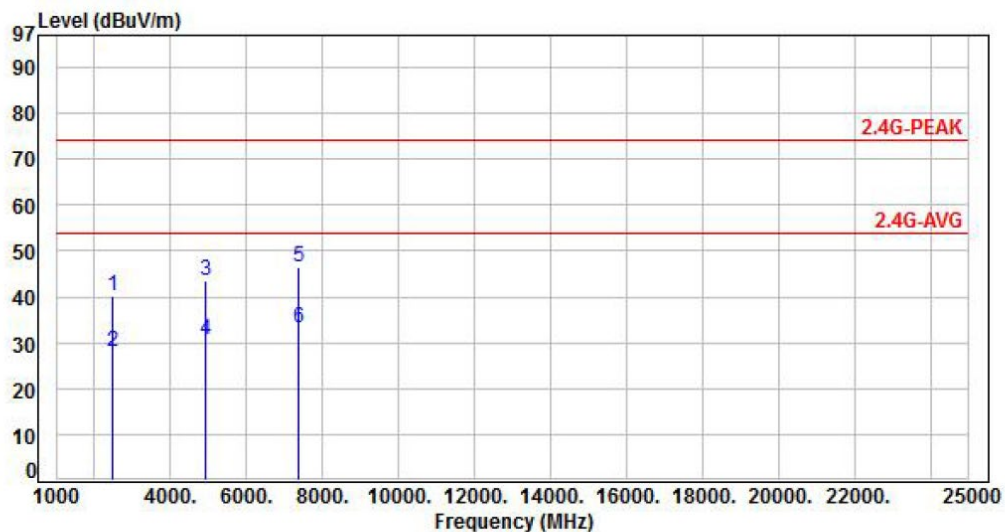
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, CH11	Operation Mode:	: 1TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-30.72	70.98	40.26	74.00	-33.74	Peak	100	325	P
2	2483.50	-30.72	58.86	28.14	54.00	-25.86	Average	100	325	P
3	4924.00	-25.24	68.87	43.63	74.00	-30.37	Peak	100	225	P
4	4924.00	-25.24	55.69	30.45	54.00	-23.55	Average	100	225	P
5	7386.00	-19.66	66.31	46.65	74.00	-27.35	Peak	100	170	P
6	7386.00	-19.66	52.81	33.15	54.00	-20.85	Average	100	170	P

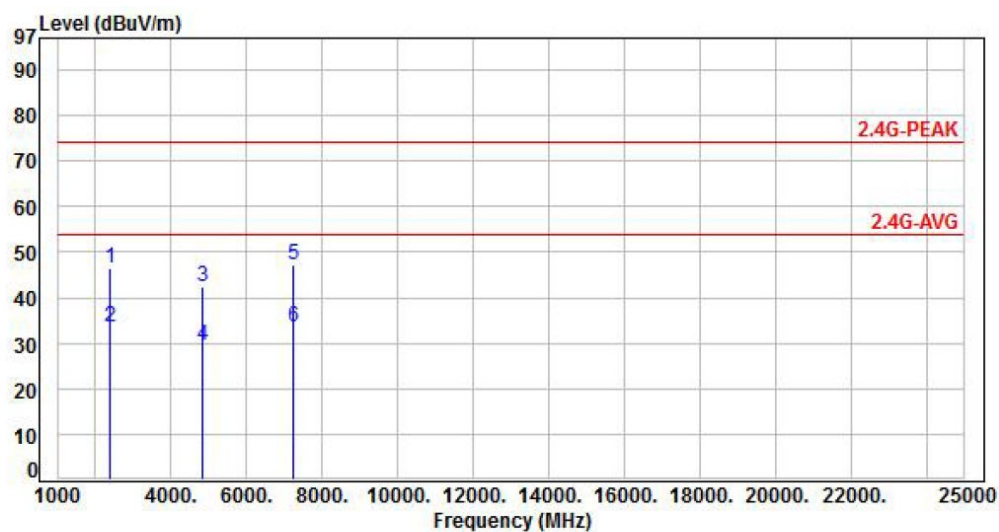
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH01	Operation Mode:	: 1TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-30.60	76.91	46.31	74.00	-27.69	Peak	100	128	P
2	2390.00	-30.60	64.11	33.51	54.00	-20.49	Average	100	128	P
3	4824.00	-25.30	67.78	42.48	74.00	-31.52	Peak	100	122	P
4	4824.00	-25.30	54.71	29.41	54.00	-24.59	Average	100	122	P
5	7236.00	-19.66	67.00	47.34	74.00	-26.66	Peak	100	118	P
6	7236.00	-19.66	53.38	33.72	54.00	-20.28	Average	100	118	P

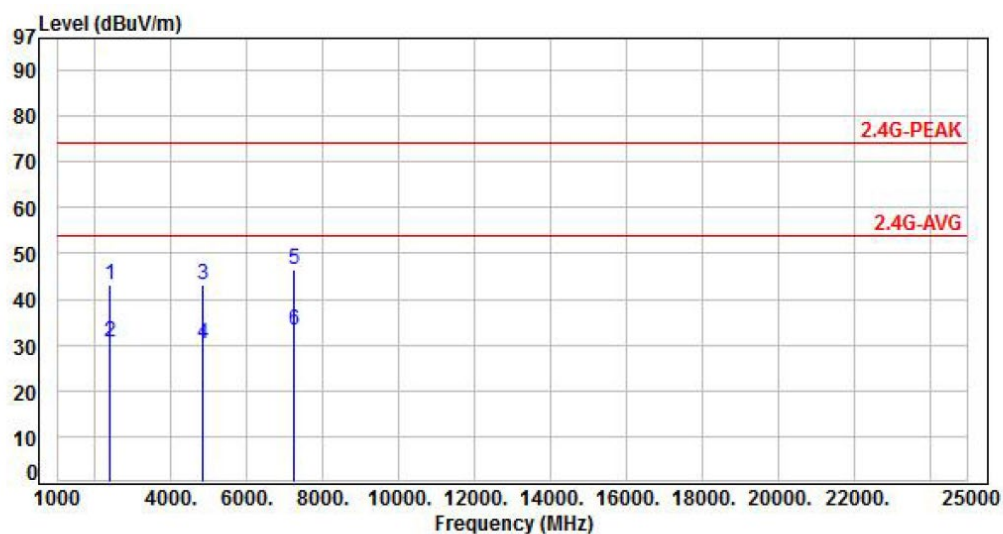
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH01	Operation Mode:	: 1TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-30.60	73.79	43.19	74.00	-30.81	Peak	100	142	P
2	2390.00	-30.60	61.05	30.45	54.00	-23.55	Average	100	142	P
3	4824.00	-25.30	68.55	43.25	74.00	-30.75	Peak	100	216	P
4	4824.00	-25.30	55.45	30.15	54.00	-23.85	Average	100	216	P
5	7236.00	-19.66	66.31	46.65	74.00	-27.35	Peak	100	226	P
6	7236.00	-19.66	52.95	33.29	54.00	-20.71	Average	100	226	P

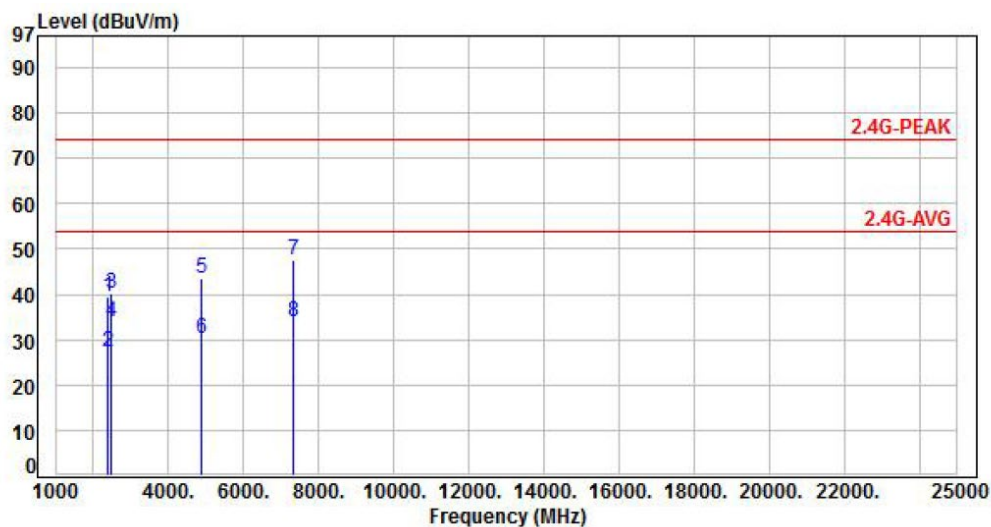
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH06	Operation Mode:	: 1TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-30.60	70.20	39.60	74.00	-34.40	Peak	100	76	P
2	2390.00	-30.60	57.84	27.24	54.00	-26.76	Average	100	76	P
3	2483.50	-30.72	70.89	40.17	74.00	-33.83	Peak	100	153	P
4	2483.50	-30.72	64.60	33.88	54.00	-20.12	Average	100	153	P
5	4874.00	-25.29	68.98	43.69	74.00	-30.31	Peak	100	215	P
6	4874.00	-25.29	55.63	30.34	54.00	-23.66	Average	100	215	P
7	7311.00	-19.59	67.12	47.53	74.00	-26.47	Peak	100	241	P
8	7311.00	-19.59	53.64	34.05	54.00	-19.95	Average	100	241	P

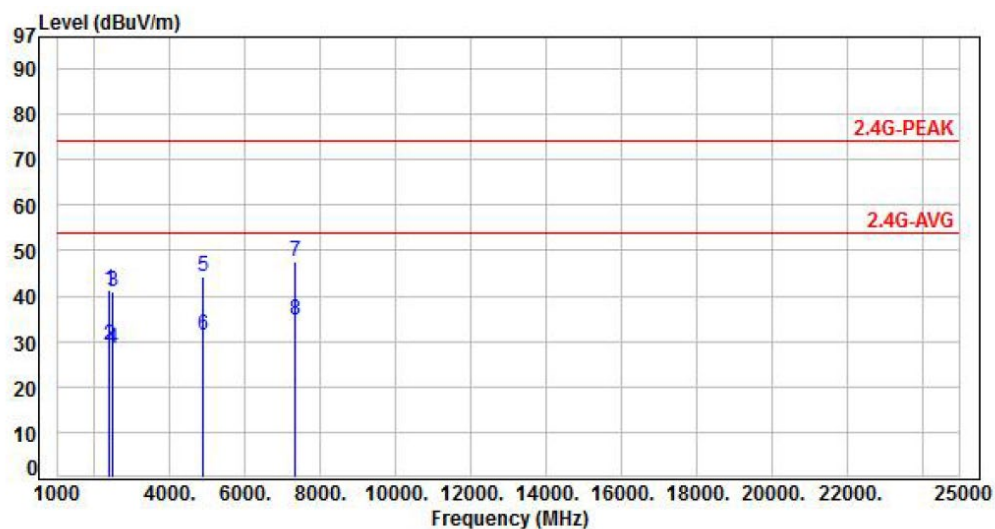
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH06	Operation Mode:	: 1TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-30.60	71.96	41.36	74.00	-32.64	Peak	100	186	P
2	2390.00	-30.60	59.77	29.17	54.00	-24.83	Average	100	186	P
3	2483.50	-30.72	71.70	40.98	74.00	-33.02	Peak	100	338	P
4	2483.50	-30.72	58.98	28.26	54.00	-25.74	Average	100	338	P
5	4874.00	-25.29	69.58	44.29	74.00	-29.71	Peak	100	225	P
6	4874.00	-25.29	56.54	31.25	54.00	-22.75	Average	100	225	P
7	7311.00	-19.59	67.15	47.56	74.00	-26.44	Peak	100	74	P
8	7311.00	-19.59	54.12	34.53	54.00	-19.47	Average	100	74	P

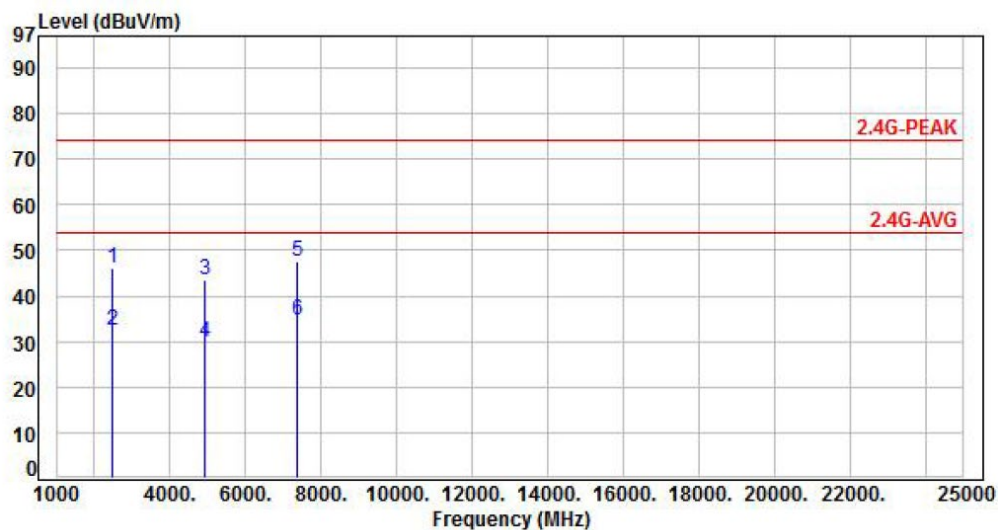
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 110V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, CH11	Operation Mode:	:	1TX

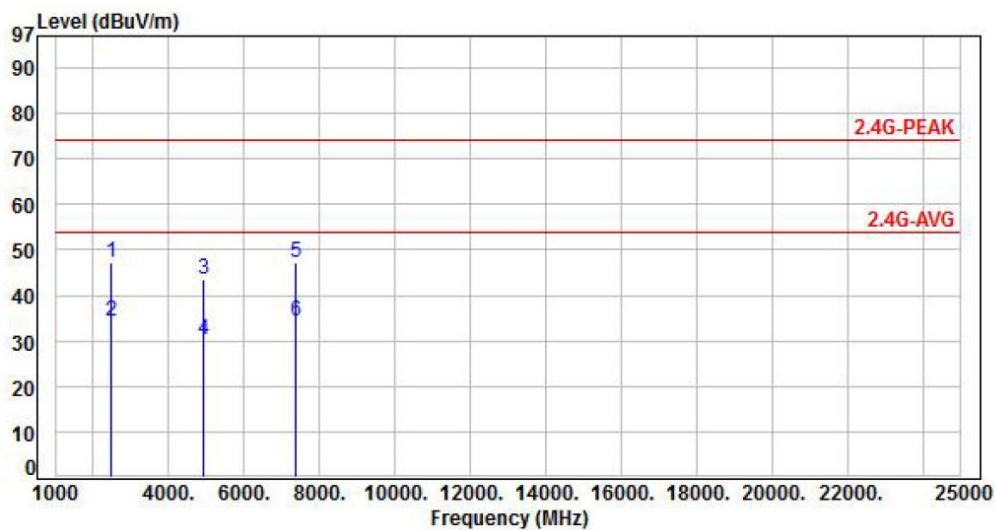


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-30.72	76.71	45.99	74.00	-28.01	Peak	100	256	P
2	2483.50	-30.72	63.36	32.64	54.00	-21.36	Average	100	256	P
3	4924.00	-25.24	68.60	43.36	74.00	-30.64	Peak	100	240	P
4	4924.00	-25.24	55.26	30.02	54.00	-23.98	Average	100	240	P
5	7386.00	-19.66	67.12	47.46	74.00	-26.54	Peak	100	123	P
6	7386.00	-19.66	54.20	34.54	54.00	-19.46	Average	100	123	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	Operation Mode:	: 1TX

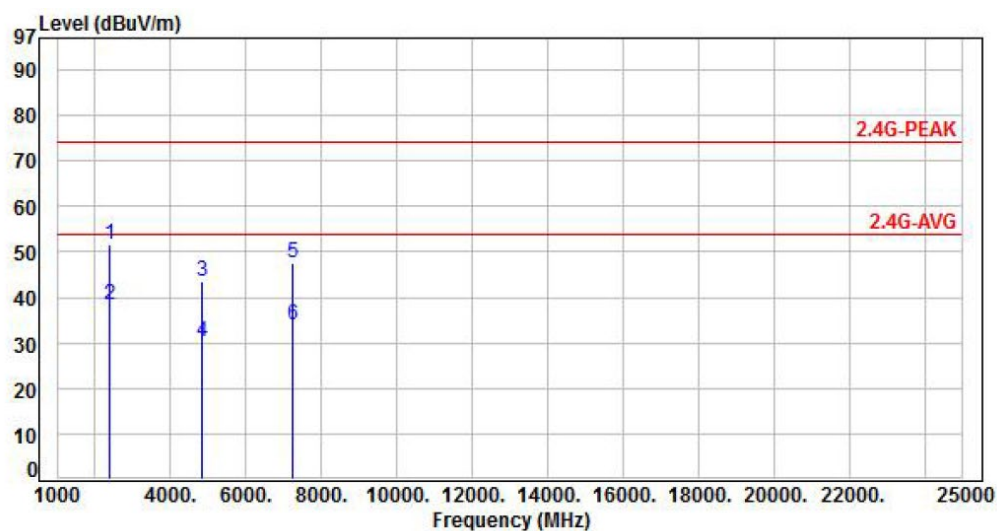


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-30.72	77.84	47.12	74.00	-26.88	Peak	100	209	P
2	2483.50	-30.72	65.20	34.48	54.00	-19.52	Average	100	209	P
3	4924.00	-25.24	68.89	43.65	74.00	-30.35	Peak	100	137	P
4	4924.00	-25.24	55.66	30.42	54.00	-23.58	Average	100	137	P
5	7386.00	-19.66	66.87	47.21	74.00	-26.79	Peak	100	113	P
6	7386.00	-19.66	53.87	34.21	54.00	-19.79	Average	100	113	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	Operation Mode:	:	1TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-30.60	82.20	51.60	74.00	-22.40	Peak	100	183	P
2	2390.00	-30.60	68.82	38.22	54.00	-15.78	Average	100	183	P
3	4824.00	-25.30	68.82	43.52	74.00	-30.48	Peak	100	73	P
4	4824.00	-25.30	55.59	30.29	54.00	-23.71	Average	100	73	P
5	7236.00	-19.66	67.31	47.65	74.00	-26.35	Peak	100	217	P
6	7236.00	-19.66	53.52	33.86	54.00	-20.14	Average	100	217	P

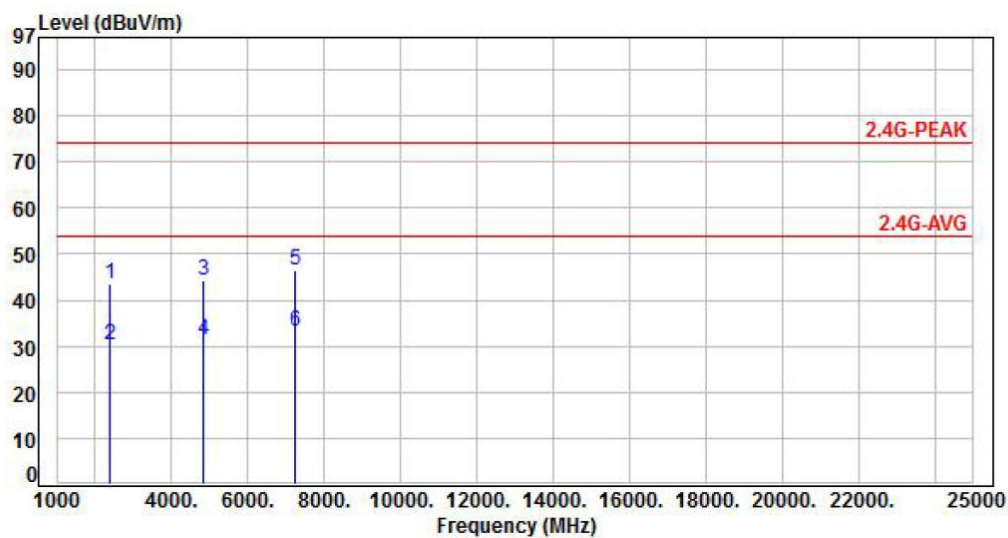
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 3, CH01	Operation Mode:	: 1TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-30.60	74.12	43.52	74.00	-30.48	Peak	100	273	P
2	2390.00	-30.60	61.02	30.42	54.00	-23.58	Average	100	273	P
3	4824.00	-25.30	69.58	44.28	74.00	-29.72	Peak	100	170	P
4	4824.00	-25.30	56.54	31.24	54.00	-22.76	Average	100	170	P
5	7236.00	-19.66	66.18	46.52	74.00	-27.48	Peak	100	230	P
6	7236.00	-19.66	52.84	33.18	54.00	-20.82	Average	100	230	P

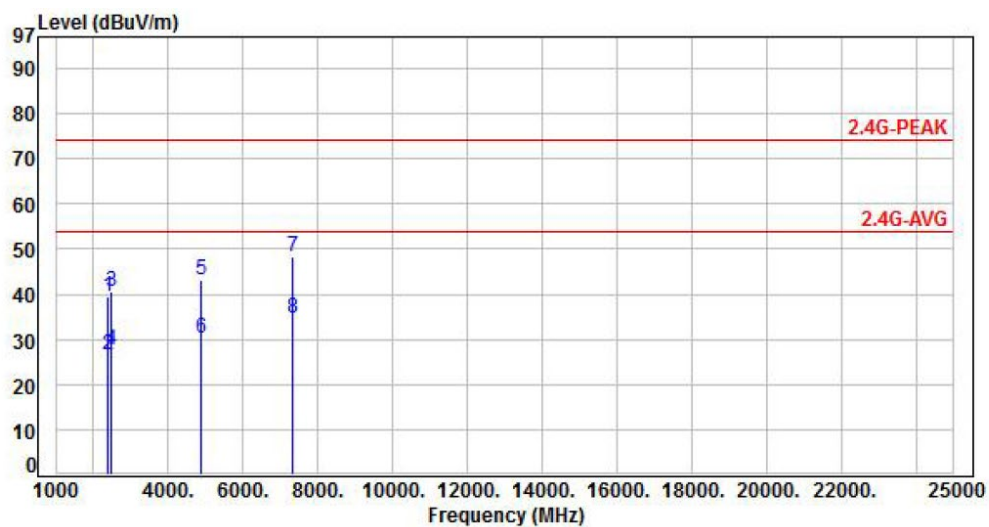
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 3, CH06	Operation Mode:	: 1TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-30.60	70.13	39.53	74.00	-34.47	Peak	100	128	P
2	2390.00	-30.60	57.27	26.67	54.00	-27.33	Average	100	128	P
3	2483.50	-30.72	71.16	40.44	74.00	-33.56	Peak	100	175	P
4	2483.50	-30.72	58.54	27.82	54.00	-26.18	Average	100	175	P
5	4874.00	-25.29	68.47	43.18	74.00	-30.82	Peak	100	131	P
6	4874.00	-25.29	55.45	30.16	54.00	-23.84	Average	100	131	P
7	7311.00	-19.59	67.80	48.21	74.00	-25.79	Peak	100	222	P
8	7311.00	-19.59	54.13	34.54	54.00	-19.46	Average	100	222	P

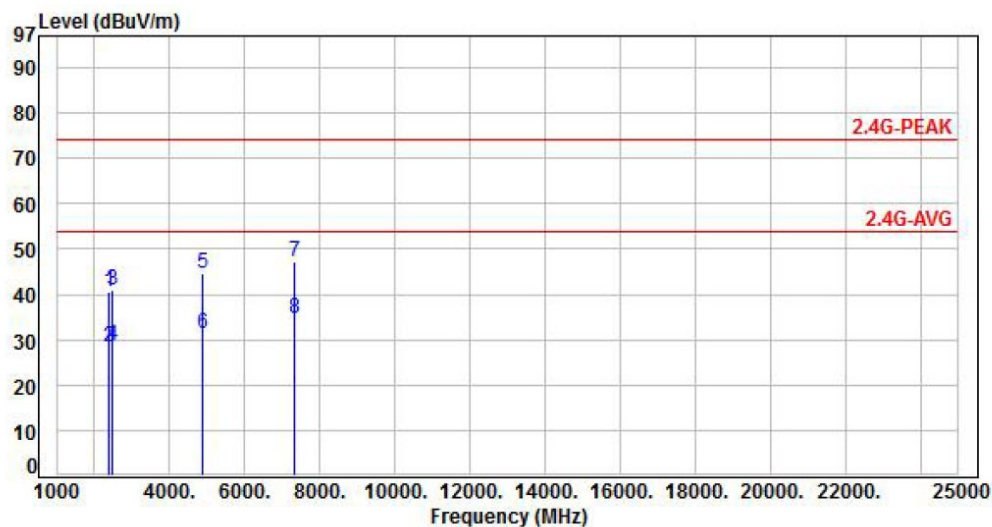
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 3, CH06	Operation Mode:	: 1TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-30.60	71.26	40.66	74.00	-33.34	Peak	100	185	P
2	2390.00	-30.60	58.94	28.34	54.00	-25.66	Average	100	185	P
3	2483.50	-30.72	71.78	41.06	74.00	-32.94	Peak	100	145	P
4	2483.50	-30.72	59.47	28.75	54.00	-25.25	Average	100	145	P
5	4874.00	-25.29	69.81	44.52	74.00	-29.48	Peak	100	54	P
6	4874.00	-25.29	56.57	31.28	54.00	-22.72	Average	100	54	P
7	7311.00	-19.59	66.82	47.23	74.00	-26.77	Peak	100	58	P
8	7311.00	-19.59	54.17	34.58	54.00	-19.42	Average	100	58	P

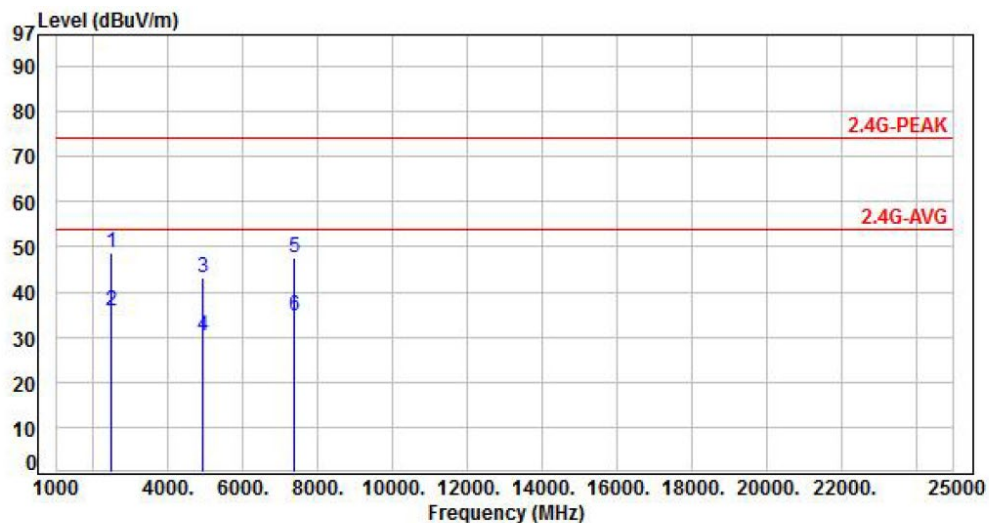
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 3, CH11	Operation Mode:	: 1TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-30.72	79.32	48.60	74.00	-25.40	Peak	100	218	P
2	2483.50	-30.72	66.44	35.72	54.00	-18.28	Average	100	218	P
3	4924.00	-25.24	68.56	43.32	74.00	-30.68	Peak	100	205	P
4	4924.00	-25.24	55.66	30.42	54.00	-23.58	Average	100	205	P
5	7386.00	-19.66	67.21	47.55	74.00	-26.45	Peak	100	133	P
6	7386.00	-19.66	54.18	34.52	54.00	-19.48	Average	100	133	P

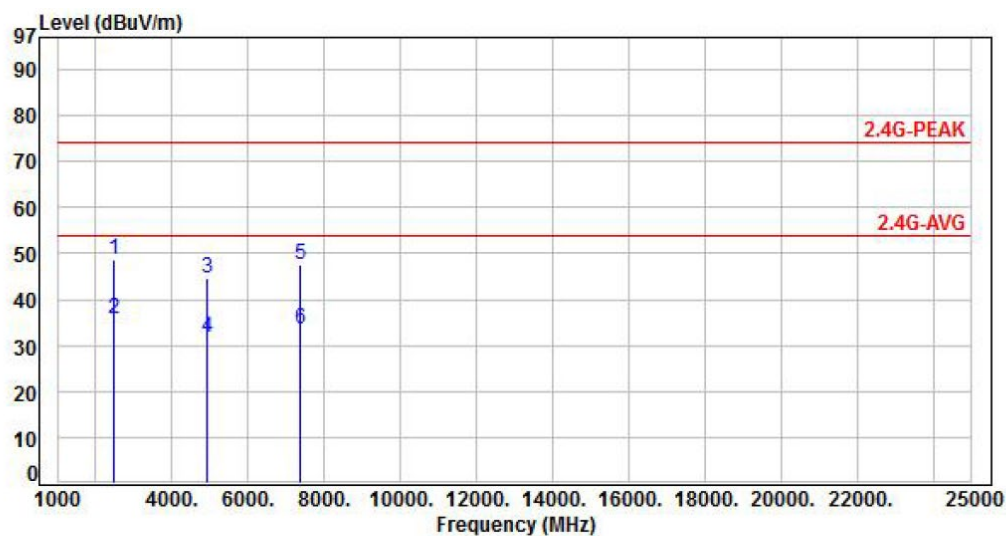
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 3, CH11	Operation Mode:	: 1TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-30.72	79.49	48.77	74.00	-25.23	Peak	100	215	P
2	2483.50	-30.72	66.40	35.68	54.00	-18.32	Average	100	215	P
3	4924.00	-25.24	69.78	44.54	74.00	-29.46	Peak	100	248	P
4	4924.00	-25.24	56.80	31.56	54.00	-22.44	Average	100	248	P
5	7386.00	-19.66	67.21	47.55	74.00	-26.45	Peak	100	102	P
6	7386.00	-19.66	53.34	33.68	54.00	-20.32	Average	100	102	P

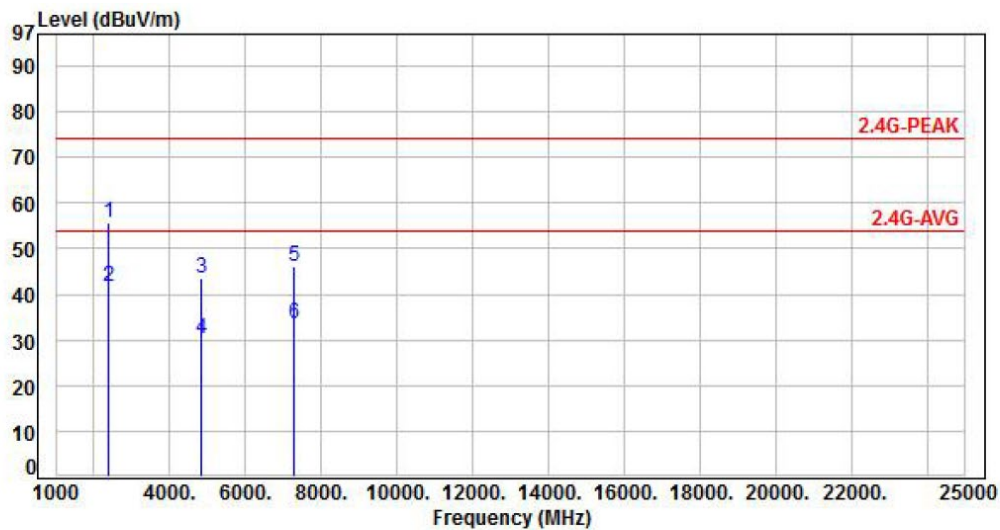
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 110V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, CH03	Operation Mode:	:	1TX

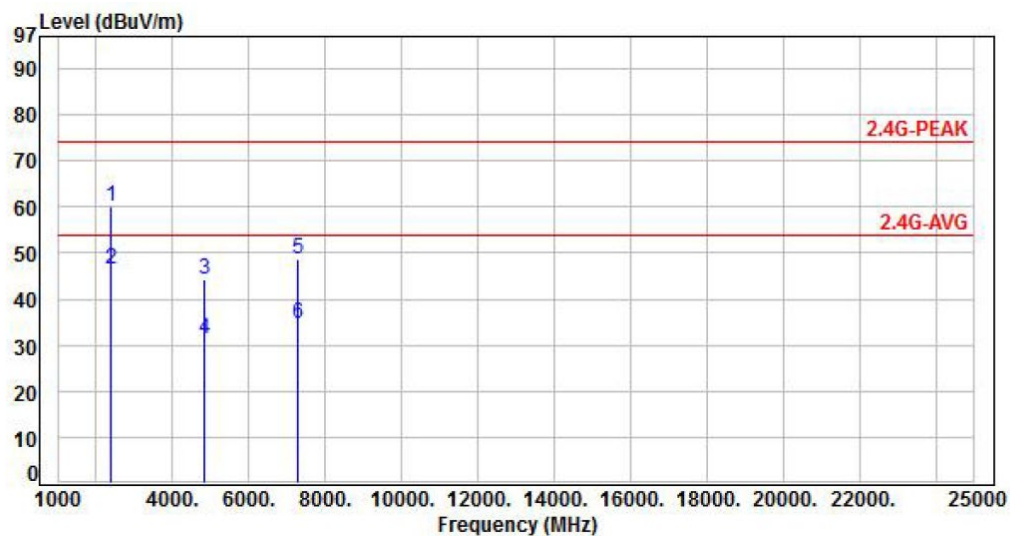


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-30.60	86.16	55.56	74.00	-18.44	Peak	100	118	P
2	2390.00	-30.60	72.46	41.86	54.00	-12.14	Average	100	118	P
3	4844.00	-25.24	68.89	43.65	74.00	-30.35	Peak	100	235	P
4	4844.00	-25.24	55.38	30.14	54.00	-23.86	Average	100	235	P
5	7266.00	-19.59	65.87	46.28	74.00	-27.72	Peak	100	140	P
6	7266.00	-19.59	53.30	33.71	54.00	-20.29	Average	100	140	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	Operation Mode:	: 1TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-30.60	90.65	60.05	74.00	-13.95	Peak	100	52	P
2	2390.00	-30.60	76.95	46.35	54.00	-7.65	Average	100	52	P
3	4844.00	-25.24	69.53	44.29	74.00	-29.71	Peak	100	196	P
4	4844.00	-25.24	56.45	31.21	54.00	-22.79	Average	100	196	P
5	7266.00	-19.59	68.24	48.65	74.00	-25.35	Peak	100	133	P
6	7266.00	-19.59	54.42	34.83	54.00	-19.17	Average	100	133	P

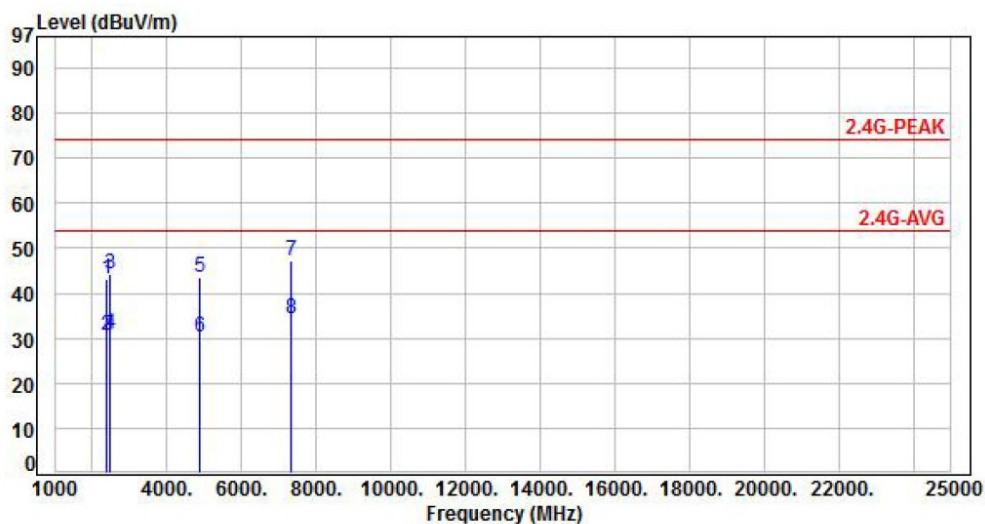
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, CH06	Operation Mode:	: 1TX

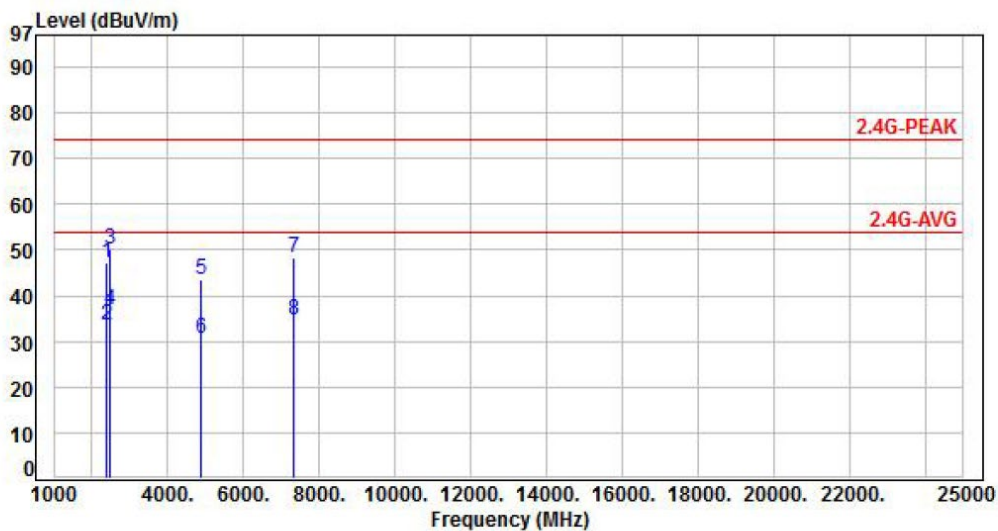


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-30.60	73.66	43.06	74.00	-30.94	Peak	100	169	P
2	2390.00	-30.60	61.35	30.75	54.00	-23.25	Average	100	169	P
3	2483.50	-30.72	75.10	44.38	74.00	-29.62	Peak	100	209	P
4	2483.50	-30.72	61.54	30.82	54.00	-23.18	Average	100	209	P
5	4874.00	-25.29	68.94	43.65	74.00	-30.35	Peak	100	120	P
6	4874.00	-25.29	55.63	30.34	54.00	-23.66	Average	100	120	P
7	7311.00	-19.59	66.77	47.18	74.00	-26.82	Peak	100	156	P
8	7311.00	-19.59	53.85	34.26	54.00	-19.74	Average	100	156	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	Operation Mode:	: 1TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-30.60	77.71	47.11	74.00	-26.89	Peak	100	243	P
2	2390.00	-30.60	64.24	33.64	54.00	-20.36	Average	100	243	P
3	2483.50	-30.72	80.97	50.25	74.00	-23.75	Peak	100	228	P
4	2483.50	-30.72	67.44	36.72	54.00	-17.28	Average	100	228	P
5	4874.00	-25.29	68.94	43.65	74.00	-30.35	Peak	100	261	P
6	4874.00	-25.29	55.83	30.54	54.00	-23.46	Average	100	261	P
7	7311.00	-19.59	67.77	48.18	74.00	-25.82	Peak	100	111	P
8	7311.00	-19.59	54.41	34.82	54.00	-19.18	Average	100	111	P

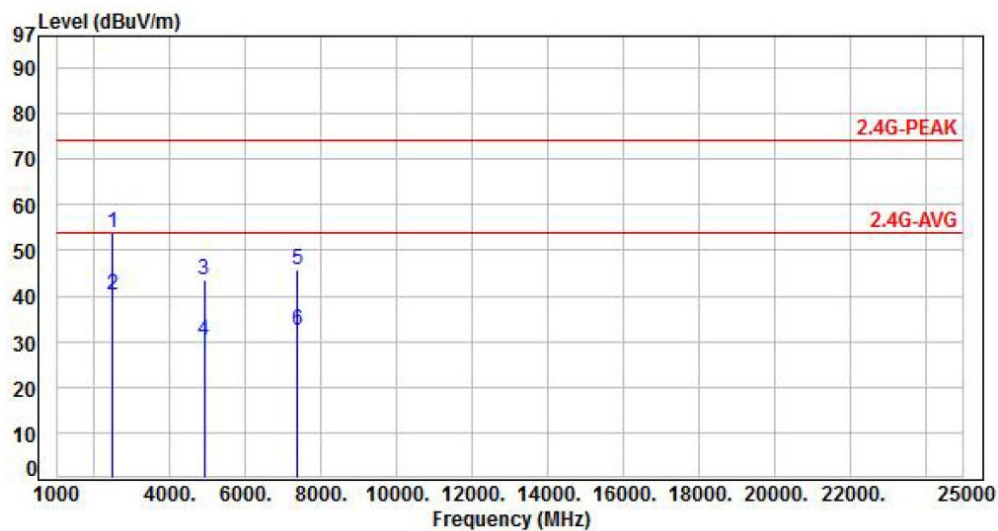
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, CH09	Operation Mode:	: 1TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-30.72	84.58	53.86	74.00	-20.14	Peak	100	128	P
2	2483.50	-30.72	71.06	40.34	54.00	-13.66	Average	100	128	P
3	4904.00	-25.27	68.79	43.52	74.00	-30.48	Peak	100	134	P
4	4904.00	-25.27	55.42	30.15	54.00	-23.85	Average	100	134	P
5	7356.00	-19.59	65.15	45.56	74.00	-28.44	Peak	100	281	P
6	7356.00	-19.59	52.14	32.55	54.00	-21.45	Average	100	281	P

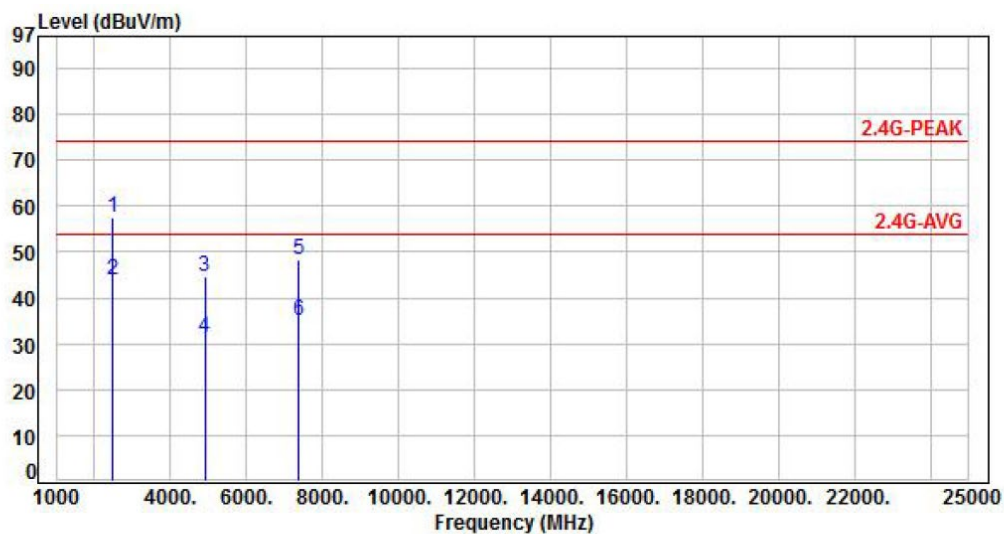
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, CH09	Operation Mode:	: 1TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-30.72	88.33	57.61	74.00	-16.39	Peak	100	299	P
2	2483.50	-30.72	74.70	43.98	54.00	-10.02	Average	100	299	P
3	4904.00	-25.27	69.95	44.68	74.00	-29.32	Peak	100	294	P
4	4904.00	-25.27	56.47	31.20	54.00	-22.80	Average	100	294	P
5	7356.00	-19.59	67.81	48.22	74.00	-25.78	Peak	100	196	P
6	7356.00	-19.59	54.65	35.06	54.00	-18.94	Average	100	196	P

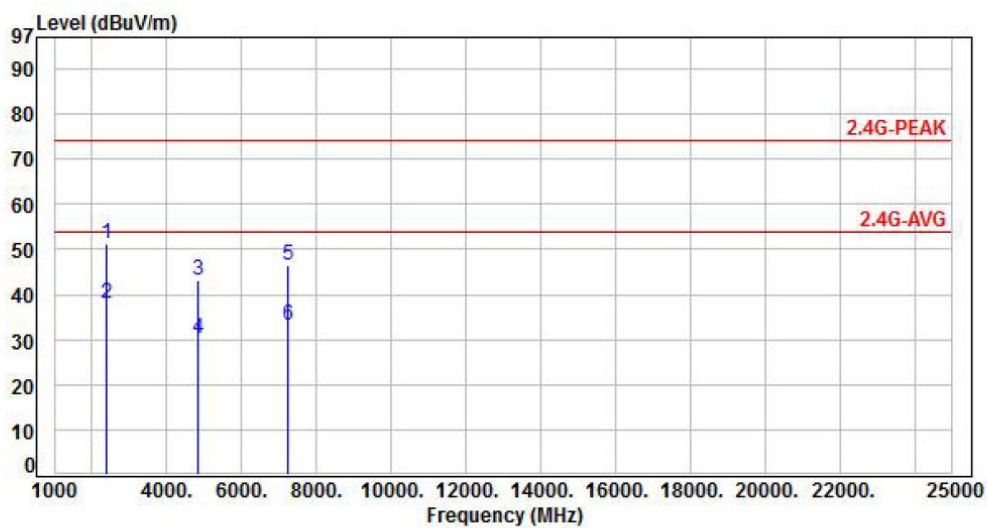
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, CH01	Operation Mode:	: 2TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-30.60	81.80	51.20	74.00	-22.80	Peak	100	122	P
2	2390.00	-30.60	68.42	37.82	54.00	-16.18	Average	100	122	P
3	4824.00	-25.30	68.32	43.02	74.00	-30.98	Peak	100	125	P
4	4824.00	-25.30	55.44	30.14	54.00	-23.86	Average	100	125	P
5	7236.00	-19.66	66.20	46.54	74.00	-27.46	Peak	100	162	P
6	7236.00	-19.66	52.83	33.17	54.00	-20.83	Average	100	162	P

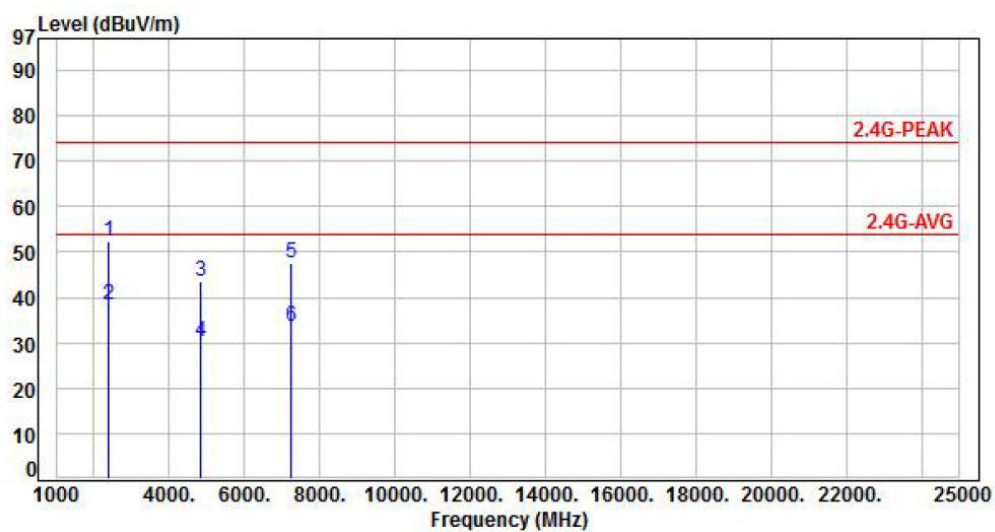
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, CH01	Operation Mode:	: 2TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-30.60	82.95	52.35	74.00	-21.65	Peak	100	260	P
2	2390.00	-30.60	69.06	38.46	54.00	-15.54	Average	100	260	P
3	4824.00	-25.30	68.65	43.35	74.00	-30.65	Peak	100	58	P
4	4824.00	-25.30	55.38	30.08	54.00	-23.92	Average	100	58	P
5	7236.00	-19.66	67.34	47.68	74.00	-26.32	Peak	100	123	P
6	7236.00	-19.66	53.25	33.59	54.00	-20.41	Average	100	123	P

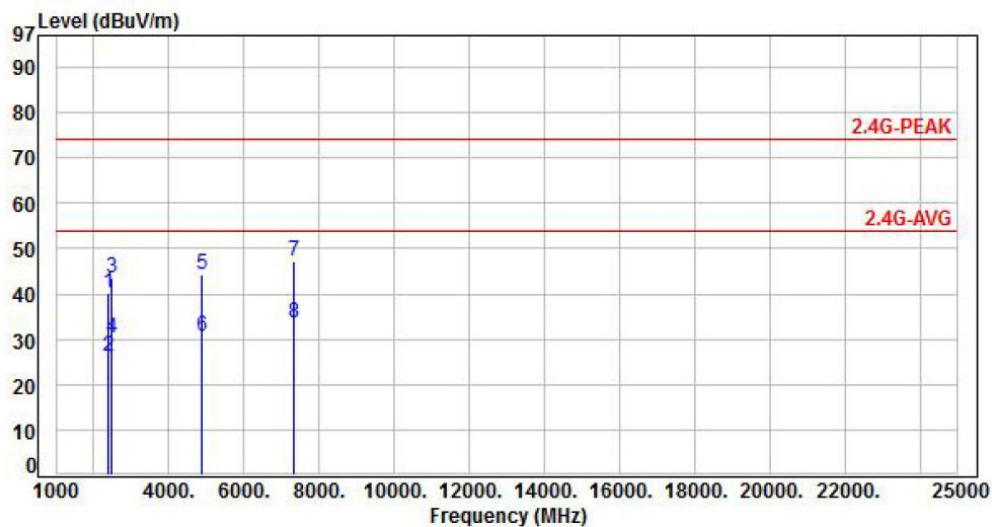
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, CH06	Operation Mode:	: 2TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-30.60	70.81	40.21	74.00	-33.79	Peak	100	216	P
2	2390.00	-30.60	56.94	26.34	54.00	-27.66	Average	100	216	P
3	2483.50	-30.72	74.24	43.52	74.00	-30.48	Peak	100	233	P
4	2483.50	-30.72	61.14	30.42	54.00	-23.58	Average	100	233	P
5	4874.00	-25.29	69.58	44.29	74.00	-29.71	Peak	100	232	P
6	4874.00	-25.29	55.83	30.54	54.00	-23.46	Average	100	232	P
7	7311.00	-19.59	66.84	47.25	74.00	-26.75	Peak	100	162	P
8	7311.00	-19.59	53.13	33.54	54.00	-20.46	Average	100	162	P

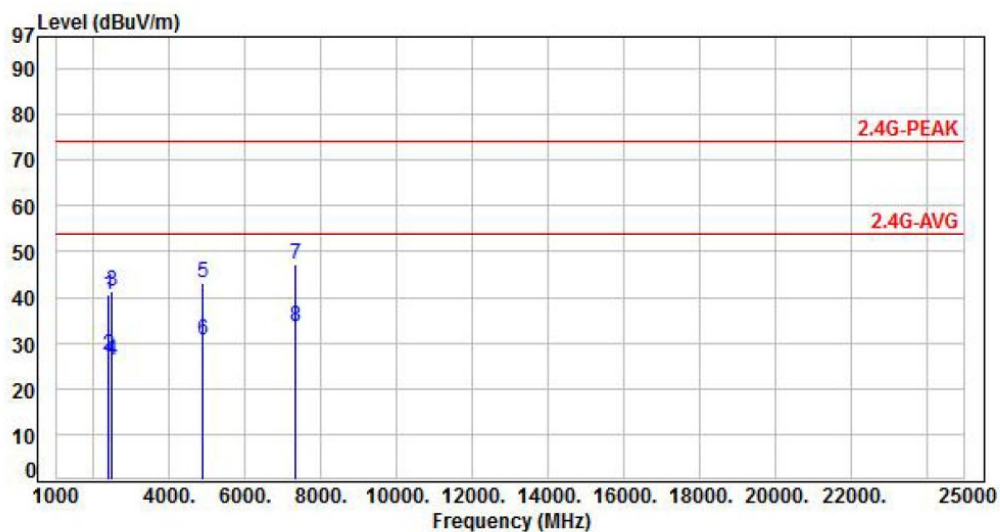
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, CH06	Operation Mode:	: 2TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-30.60	71.15	40.55	74.00	-33.45	Peak	100	318	P
2	2390.00	-30.60	57.81	27.21	54.00	-26.79	Average	100	318	P
3	2483.50	-30.72	71.94	41.22	74.00	-32.78	Peak	100	104	P
4	2483.50	-30.72	57.04	26.32	54.00	-27.68	Average	100	104	P
5	4874.00	-25.29	68.54	43.25	74.00	-30.75	Peak	100	251	P
6	4874.00	-25.29	55.80	30.51	54.00	-23.49	Average	100	251	P
7	7311.00	-19.59	66.80	47.21	74.00	-26.79	Peak	100	150	P
8	7311.00	-19.59	53.07	33.48	54.00	-20.52	Average	100	150	P

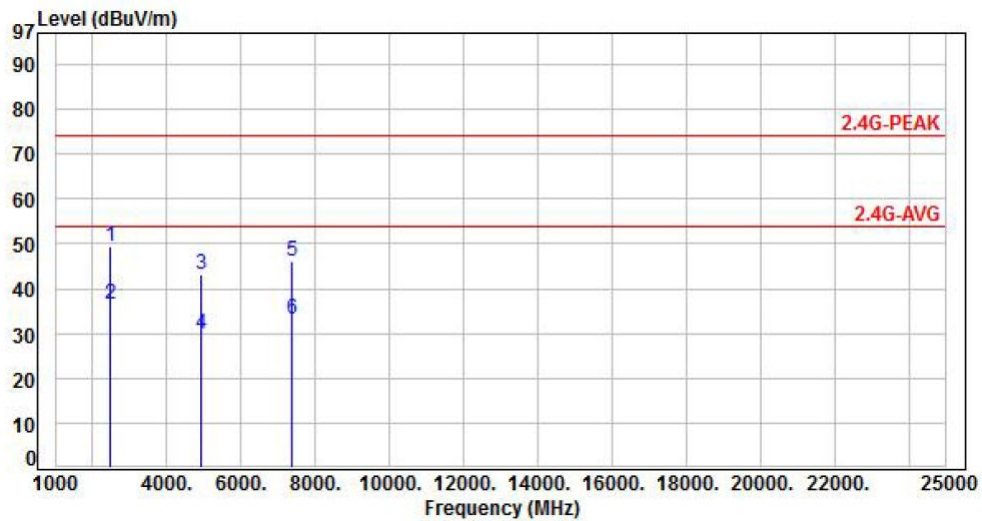
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, CH11	Operation Mode:	: 2TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-30.72	79.97	49.25	74.00	-24.75	Peak	100	261	P
2	2483.50	-30.72	67.25	36.53	54.00	-17.47	Average	100	261	P
3	4924.00	-25.24	68.42	43.18	74.00	-30.82	Peak	100	122	P
4	4924.00	-25.24	55.25	30.01	54.00	-23.99	Average	100	122	P
5	7386.00	-19.66	65.93	46.27	74.00	-27.73	Peak	100	135	P
6	7386.00	-19.66	52.83	33.17	54.00	-20.83	Average	100	135	P

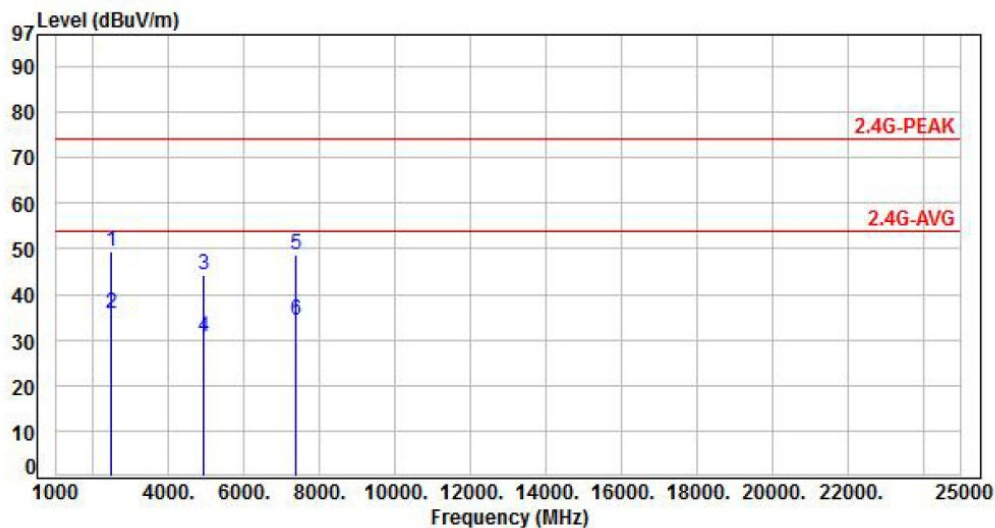
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, CH11	Operation Mode:	: 2TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-30.72	80.23	49.51	74.00	-24.49	Peak	100	201	P
2	2483.50	-30.72	66.34	35.62	54.00	-18.38	Average	100	201	P
3	4924.00	-25.24	69.36	44.12	74.00	-29.88	Peak	100	233	P
4	4924.00	-25.24	55.78	30.54	54.00	-23.46	Average	100	233	P
5	7386.00	-19.66	68.18	48.52	74.00	-25.48	Peak	100	54	P
6	7386.00	-19.66	53.78	34.12	54.00	-19.88	Average	100	54	P

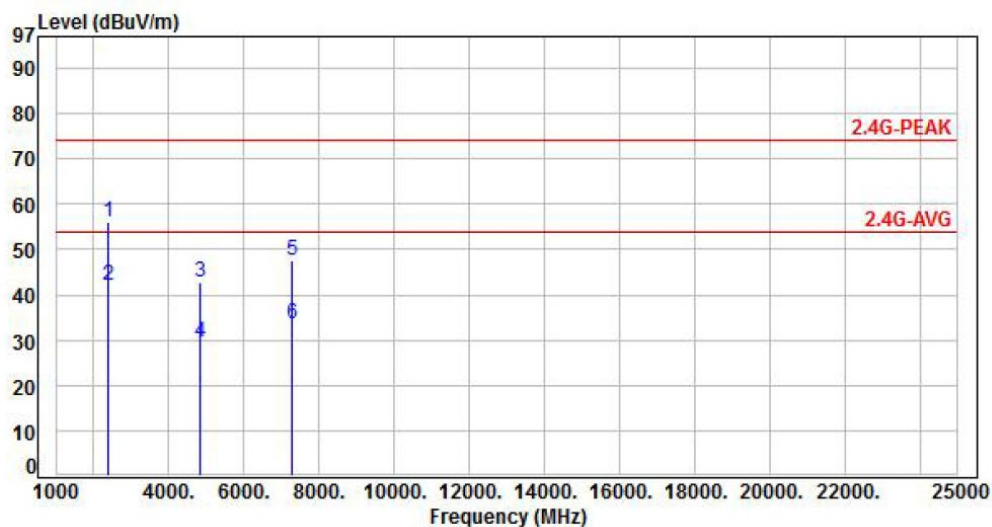
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH03	Operation Mode:	: 2TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-30.60	86.81	56.21	74.00	-17.79	Peak	100	116	P
2	2390.00	-30.60	72.75	42.15	54.00	-11.85	Average	100	116	P
3	4844.00	-25.24	68.09	42.85	74.00	-31.15	Peak	100	105	P
4	4844.00	-25.24	54.65	29.41	54.00	-24.59	Average	100	105	P
5	7266.00	-19.59	67.10	47.51	74.00	-26.49	Peak	100	105	P
6	7266.00	-19.59	53.13	33.54	54.00	-20.46	Average	100	105	P

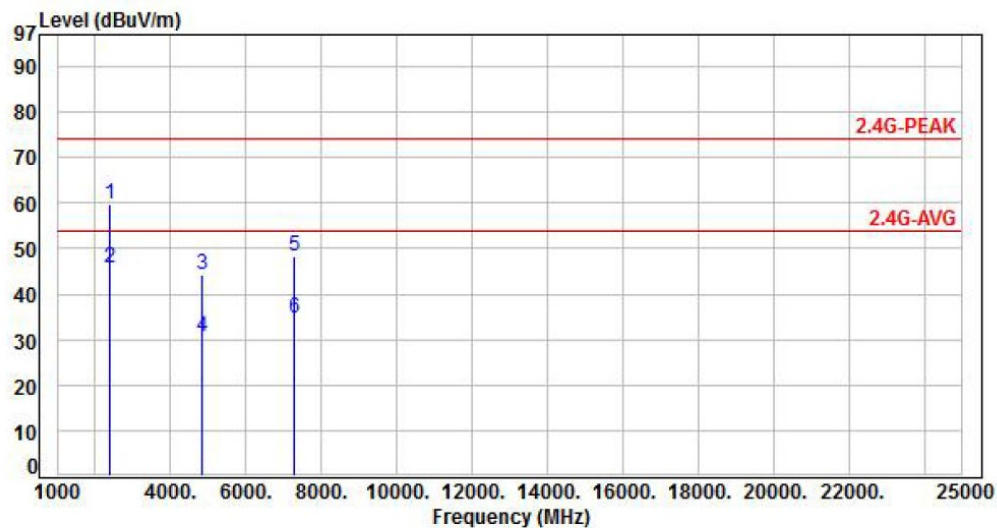
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH03	Operation Mode:	: 2TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-30.60	90.22	59.62	74.00	-14.38	Peak	100	150	P
2	2390.00	-30.60	76.47	45.87	54.00	-8.13	Average	100	150	P
3	4844.00	-25.24	69.45	44.21	74.00	-29.79	Peak	100	122	P
4	4844.00	-25.24	55.70	30.46	54.00	-23.54	Average	100	122	P
5	7266.00	-19.59	67.80	48.21	74.00	-25.79	Peak	100	45	P
6	7266.00	-19.59	54.41	34.82	54.00	-19.18	Average	100	45	P

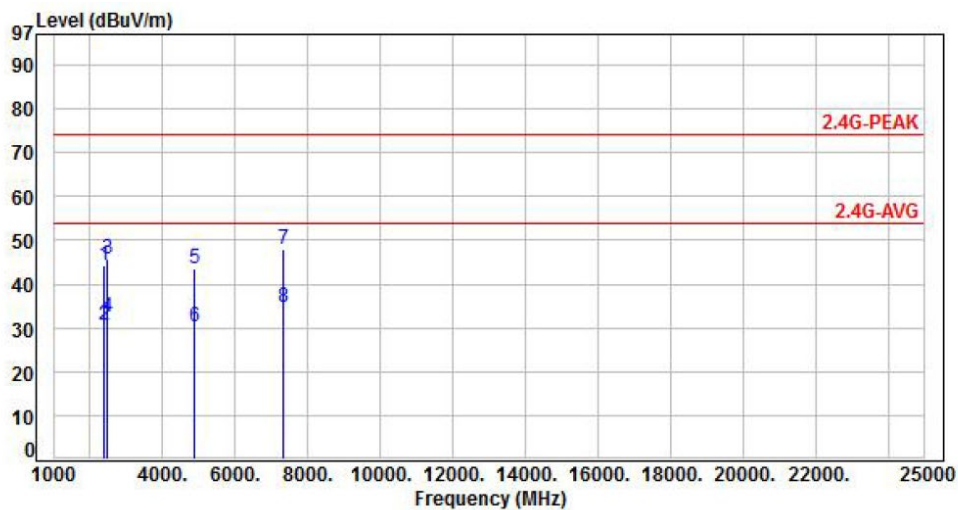
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH06	Operation Mode:	: 2TX

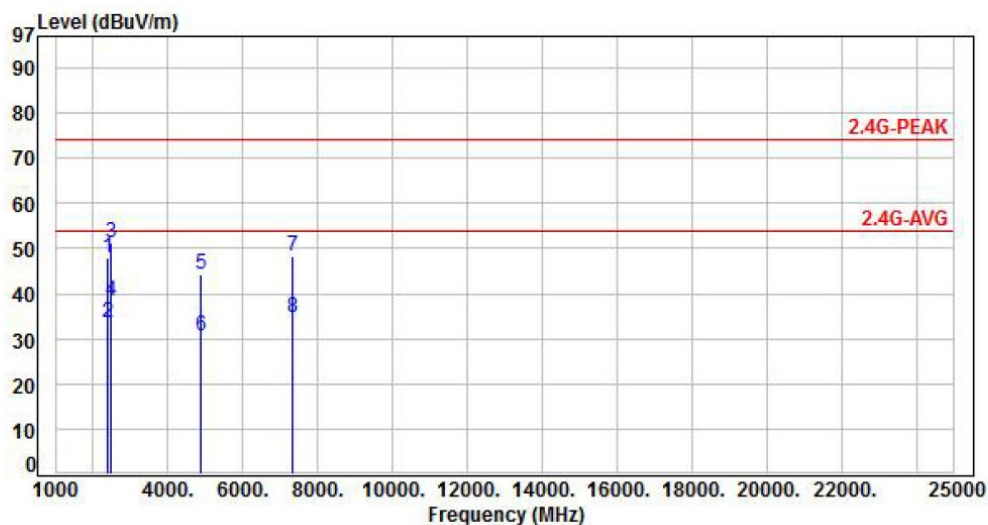


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-30.60	74.85	44.25	74.00	-29.75	Peak	100	209	P
2	2390.00	-30.60	61.05	30.45	54.00	-23.55	Average	100	209	P
3	2483.50	-30.72	76.32	45.60	74.00	-28.40	Peak	100	115	P
4	2483.50	-30.72	63.07	32.35	54.00	-21.65	Average	100	115	P
5	4874.00	-25.29	68.81	43.52	74.00	-30.48	Peak	100	124	P
6	4874.00	-25.29	55.41	30.12	54.00	-23.88	Average	100	124	P
7	7311.00	-19.59	67.70	48.11	74.00	-25.89	Peak	100	173	P
8	7311.00	-19.59	54.18	34.59	54.00	-19.41	Average	100	173	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	Operation Mode:	: 2TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-30.60	78.42	47.82	74.00	-26.18	Peak	100	168	P
2	2390.00	-30.60	64.09	33.49	54.00	-20.51	Average	100	168	P
3	2483.50	-30.72	81.84	51.12	74.00	-22.88	Peak	100	169	P
4	2483.50	-30.72	69.12	38.40	54.00	-15.60	Average	100	169	P
5	4874.00	-25.29	69.48	44.19	74.00	-29.81	Peak	100	116	P
6	4874.00	-25.29	55.75	30.46	54.00	-23.54	Average	100	116	P
7	7311.00	-19.59	67.83	48.24	74.00	-25.76	Peak	100	272	P
8	7311.00	-19.59	54.35	34.76	54.00	-19.24	Average	100	272	P

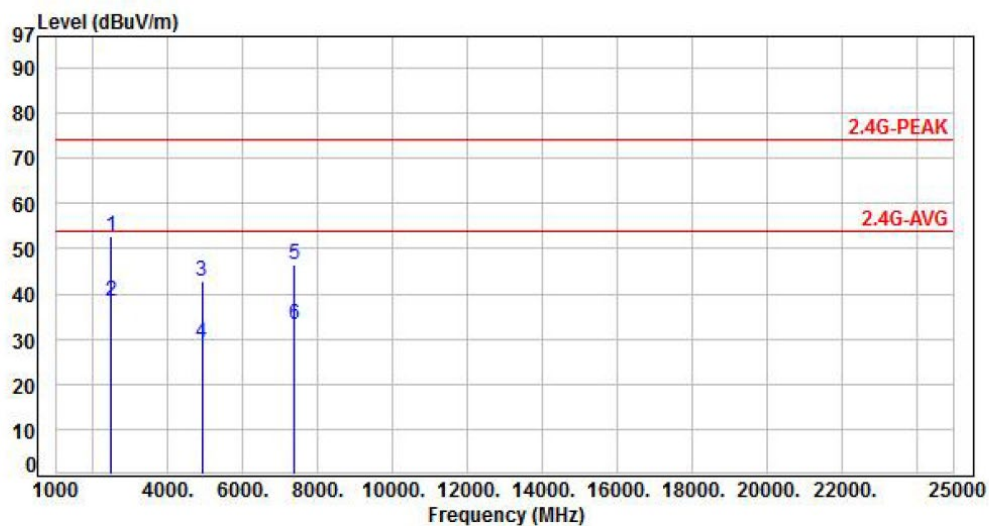
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH09	Operation Mode:	: 2TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-30.72	83.47	52.75	74.00	-21.25	Peak	100	108	P
2	2483.50	-30.72	69.23	38.51	54.00	-15.49	Average	100	108	P
3	4904.00	-25.27	68.03	42.76	74.00	-31.24	Peak	100	204	P
4	4904.00	-25.27	54.32	29.05	54.00	-24.95	Average	100	204	P
5	7356.00	-19.59	65.91	46.32	74.00	-27.68	Peak	100	314	P
6	7356.00	-19.59	52.74	33.15	54.00	-20.85	Average	100	314	P

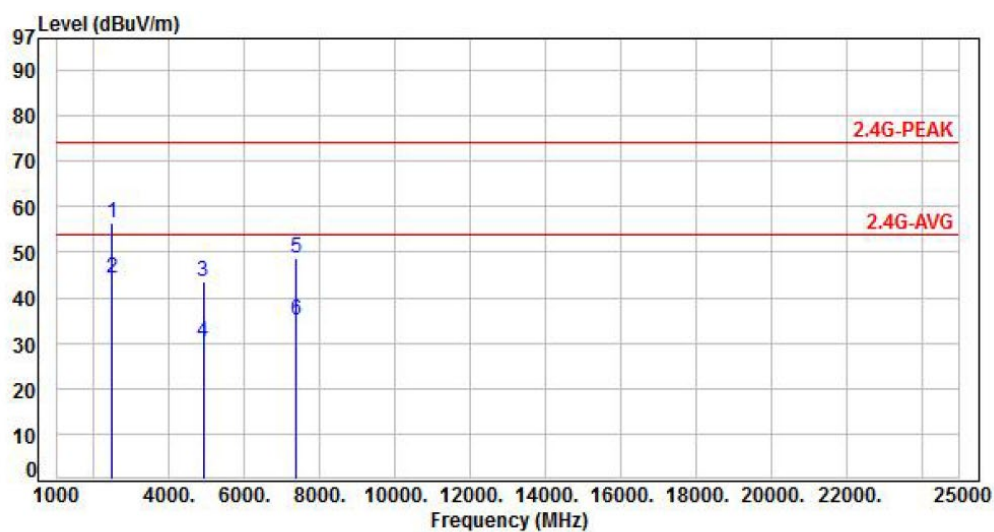
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH09	Operation Mode:	: 2TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-30.72	87.30	56.58	74.00	-17.42	Peak	100	304	P
2	2483.50	-30.72	74.98	44.26	54.00	-9.74	Average	100	304	P
3	4904.00	-25.27	68.80	43.53	74.00	-30.47	Peak	100	57	P
4	4904.00	-25.27	55.51	30.24	54.00	-23.76	Average	100	57	P
5	7356.00	-19.59	68.45	48.86	74.00	-25.14	Peak	100	76	P
6	7356.00	-19.59	54.45	34.86	54.00	-19.14	Average	100	76	P

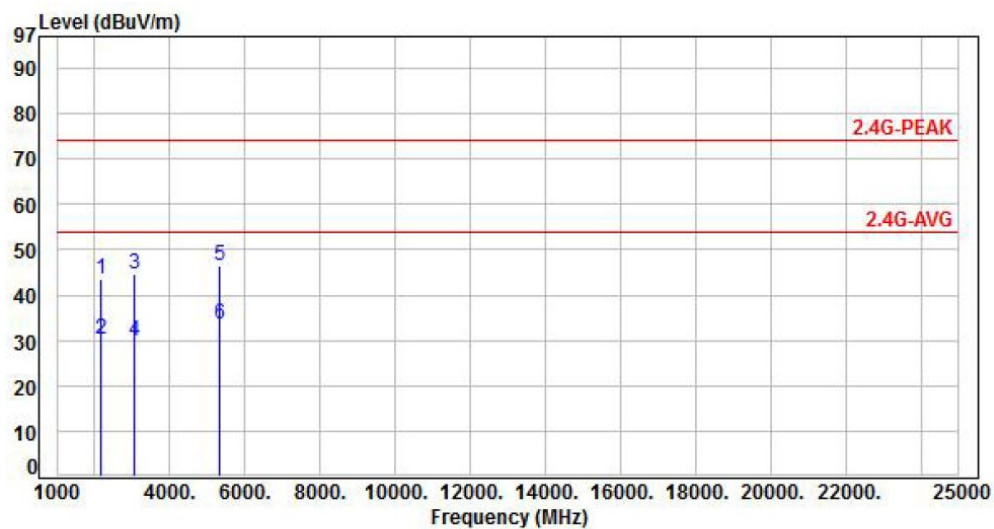
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



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



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2161.00	-30.77	74.28	43.51	74.00	-30.49	Peak	100	201	P
2	2161.00	-30.77	61.11	30.34	54.00	-23.66	Average	100	201	P
3	3044.00	-29.32	73.84	44.52	74.00	-29.48	Peak	100	205	P
4	3044.00	-29.32	59.35	30.03	54.00	-23.97	Average	100	185	P
5	5305.00	-24.93	71.28	46.35	74.00	-27.65	Peak	100	193	P
6	5305.00	-24.93	58.38	33.45	54.00	-20.55	Average	100	193	P

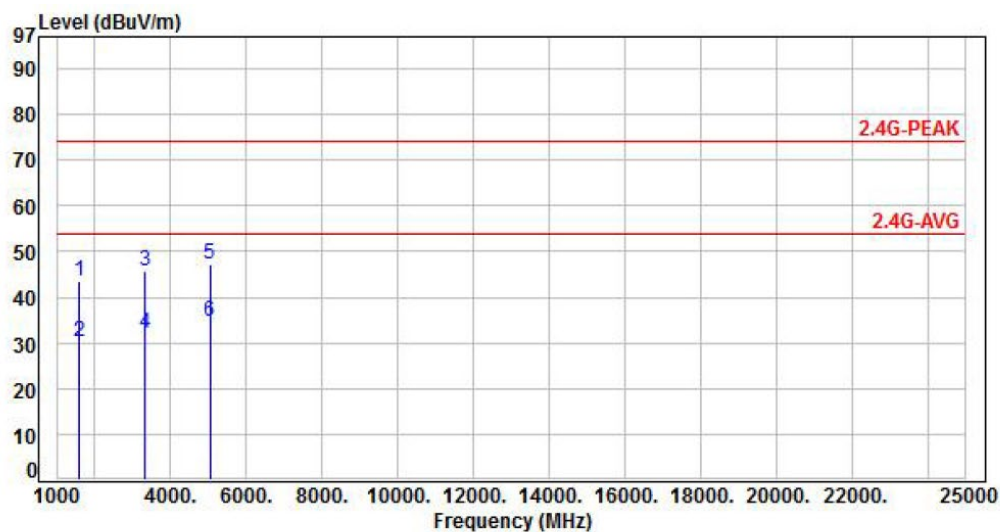
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, CH01	Operation Mode:	: RX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1592.00	-33.95	77.63	43.68	74.00	-30.32	Peak	100	185	P
2	1592.00	-33.95	64.20	30.25	54.00	-23.75	Average	100	185	P
3	3324.00	-29.23	74.88	45.65	74.00	-28.35	Peak	100	121	P
4	3324.00	-29.23	61.38	32.15	54.00	-21.85	Average	100	121	P
5	5037.00	-24.59	71.81	47.22	74.00	-26.78	Peak	100	144	P
6	5037.00	-24.59	59.14	34.55	54.00	-19.45	Average	100	144	P

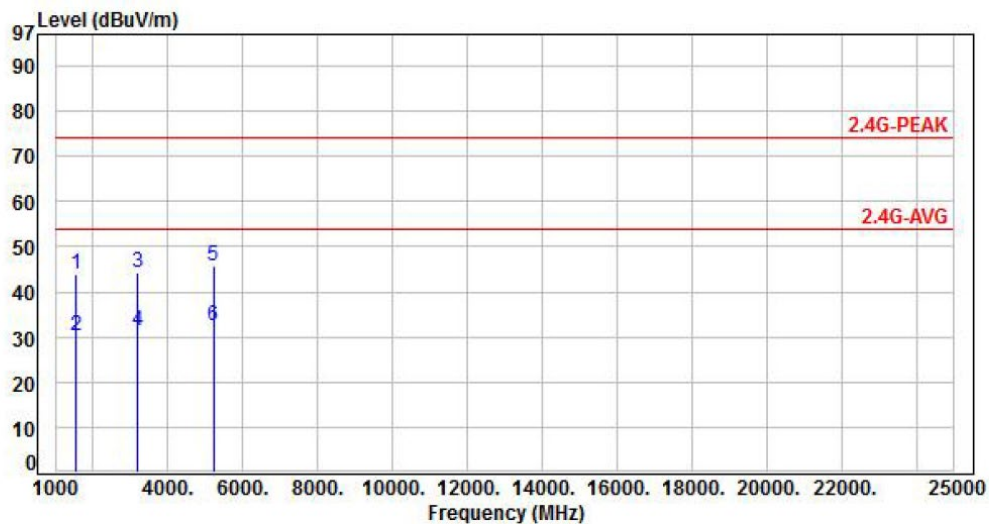
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, CH06	Operation Mode:	: RX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1562.00	-33.85	77.83	43.98	74.00	-30.02	Peak	100	182	P
2	1562.00	-33.85	64.06	30.21	54.00	-23.79	Average	100	182	P
3	3176.00	-28.77	73.06	44.29	74.00	-29.71	Peak	100	168	P
4	3176.00	-28.77	60.19	31.42	54.00	-22.58	Average	100	168	P
5	5214.00	-24.61	70.28	45.67	74.00	-28.33	Peak	100	189	P
6	5214.00	-24.61	56.96	32.35	54.00	-21.65	Average	100	189	P

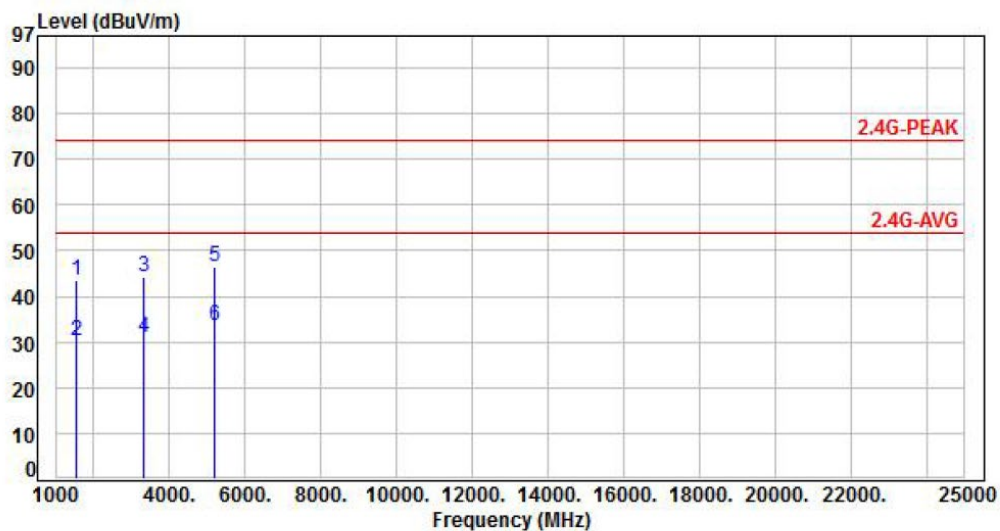
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, CH06	Operation Mode:	: RX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1524.00	-33.65	77.21	43.56	74.00	-30.44	Peak	100	285	P
2	1524.00	-33.65	63.99	30.34	54.00	-23.66	Average	100	285	P
3	3345.00	-29.29	73.54	44.25	74.00	-29.75	Peak	100	83	P
4	3345.00	-29.29	60.35	31.06	54.00	-22.94	Average	100	83	P
5	5176.00	-24.50	71.12	46.62	74.00	-27.38	Peak	100	72	P
6	5176.00	-24.50	58.07	33.57	54.00	-20.43	Average	100	72	P

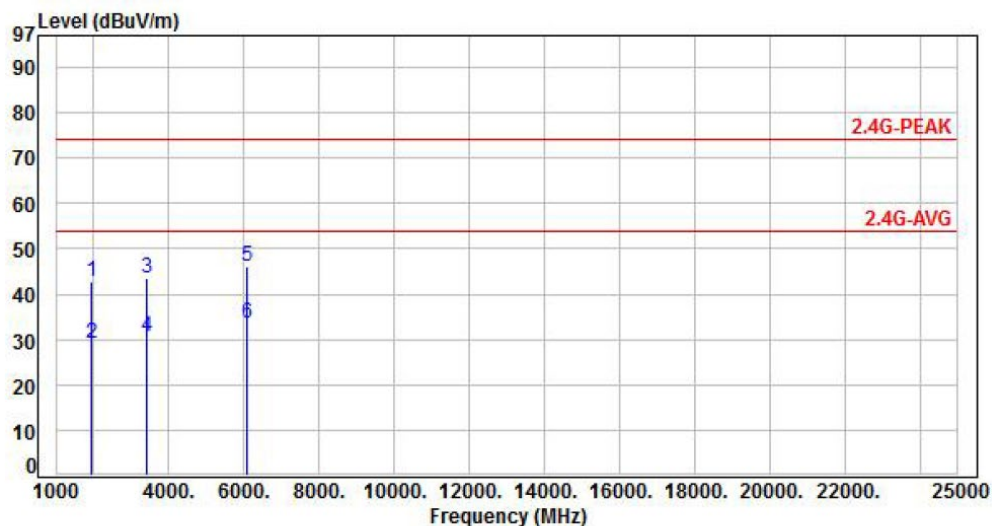
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, CH11	Operation Mode:	: RX

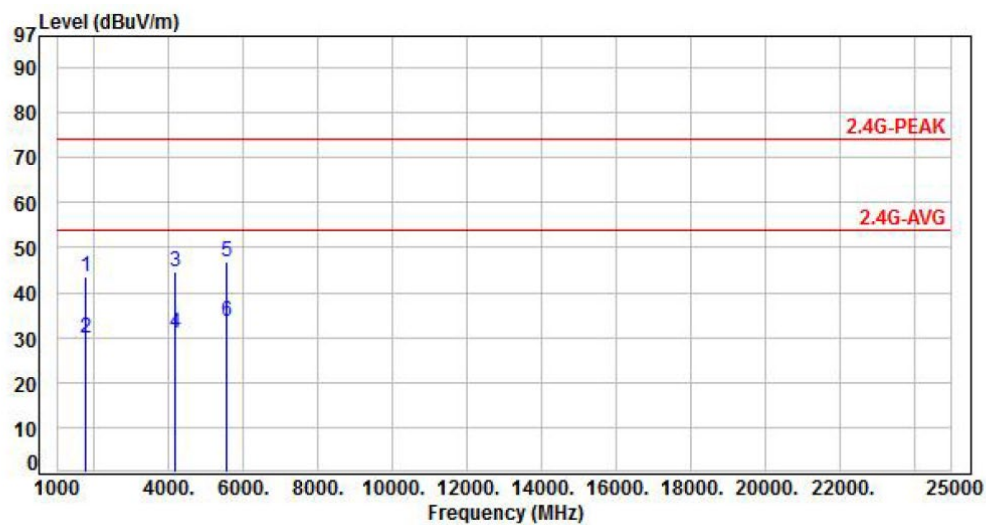


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1931.00	-32.78	75.41	42.63	74.00	-31.37	Peak	100	215	P
2	1931.00	-32.78	61.90	29.12	54.00	-24.88	Average	100	215	P
3	3428.00	-29.06	72.53	43.47	74.00	-30.53	Peak	100	118	P
4	3428.00	-29.06	59.51	30.45	54.00	-23.55	Average	100	118	P
5	6072.00	-23.36	69.57	46.21	74.00	-27.79	Peak	100	151	P
6	6072.00	-23.36	57.05	33.69	54.00	-20.31	Average	100	151	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	Operation Mode:	: RX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1764.00	-33.62	77.26	43.64	74.00	-30.36	Peak	100	45	P
2	1764.00	-33.62	63.67	30.05	54.00	-23.95	Average	100	45	P
3	4162.00	-26.95	71.51	44.56	74.00	-29.44	Peak	100	43	P
4	4162.00	-26.95	58.02	31.07	54.00	-22.93	Average	100	43	P
5	5531.00	-24.33	71.17	46.84	74.00	-27.16	Peak	100	118	P
6	5531.00	-24.33	57.87	33.54	54.00	-20.46	Average	100	118	P

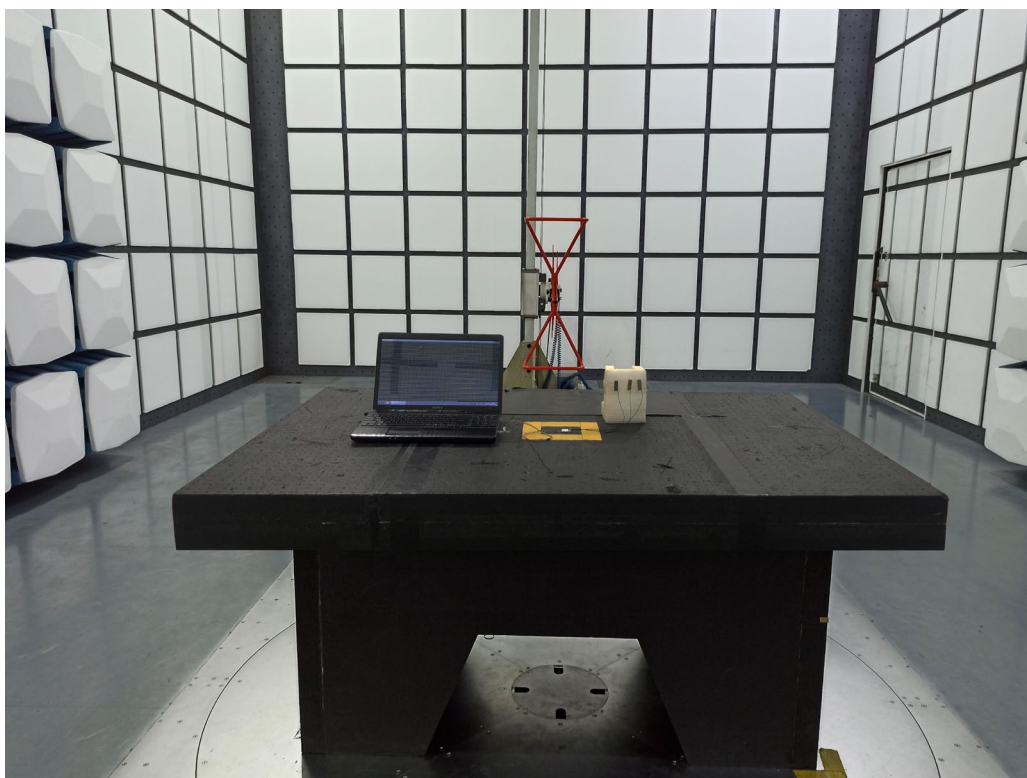
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

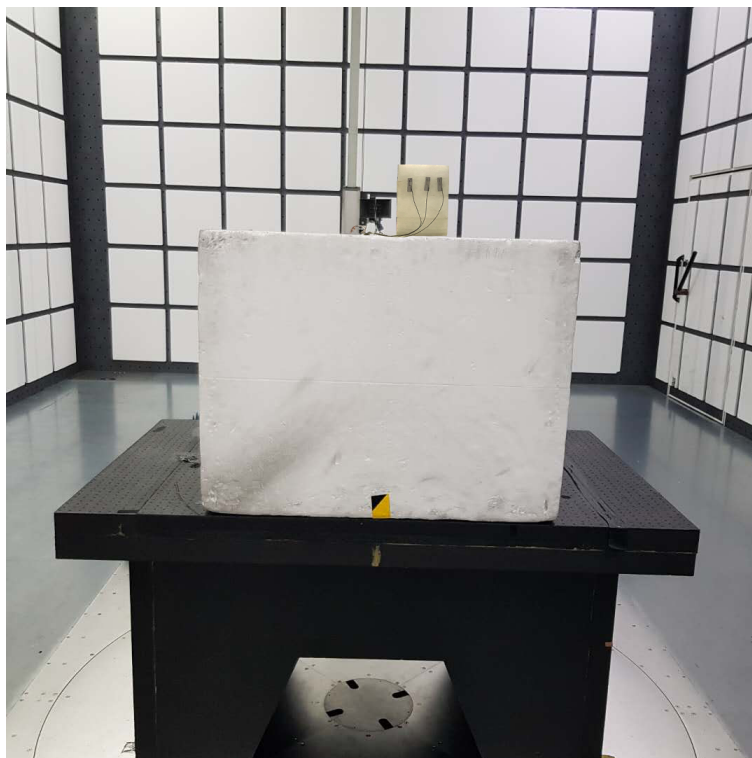


5.7. 輻射量測之配置照片(30MHz ~ 1GHz)





5.8. 輻射量測之配置照片 (1GHz ~ 25GHz)





6. On Time, Duty Cycle and Measurement methods

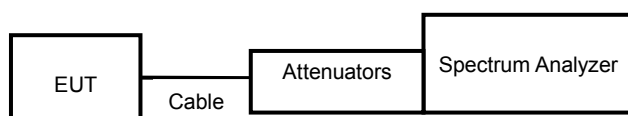
6.1. 適用標準

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

For 1TX

Modulation Type	On Time (msec)	Period Time (msec)	Duty Cycle (%)
802.11b, 1M	100.00	100.00	100.00%
802.11g, 6M	100.00	100.00	100.00%
802.11n HT20	100.00	100.00	100.00%
802.11n HT40	100.00	100.00	100.00%

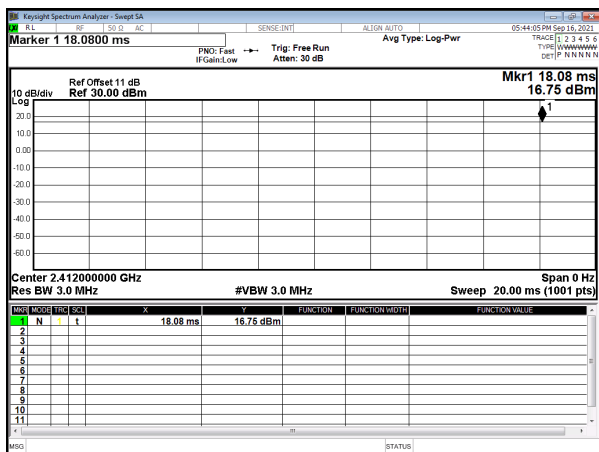
For 2TX

Modulation Type	On Time (msec)	Period Time (msec)	Duty Cycle (%)
802.11n HT20	100.00	100.00	100.00%
802.11n HT40	100.00	100.00	100.00%

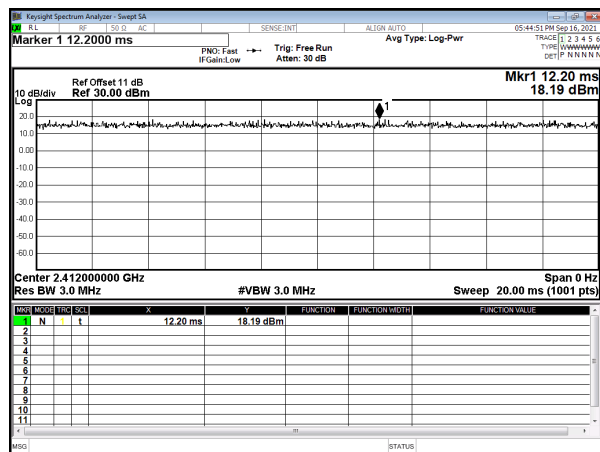


For 1TX

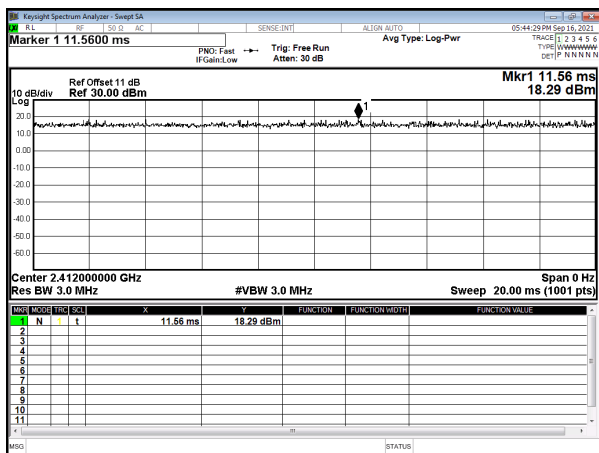
Modulation Type: 802.11b (1Mbps)



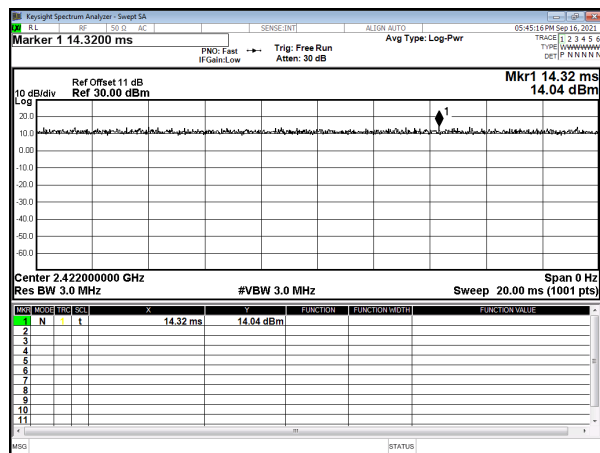
Modulation Type: 802.11n HT20 (6.5Mbps)



Modulation Type: 802.11g (6Mbps)

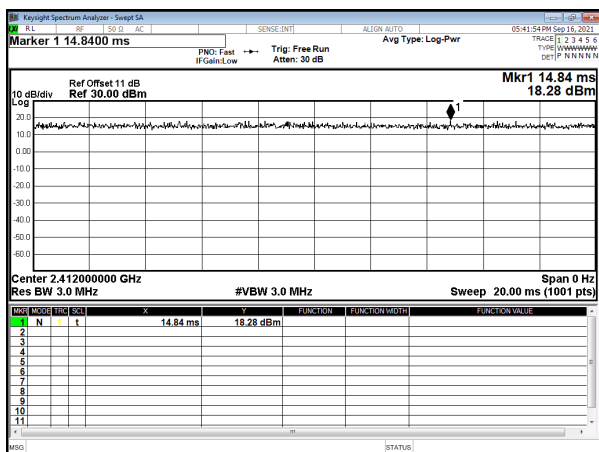


Modulation Type: 802.11n HT40 (13.5Mbps)

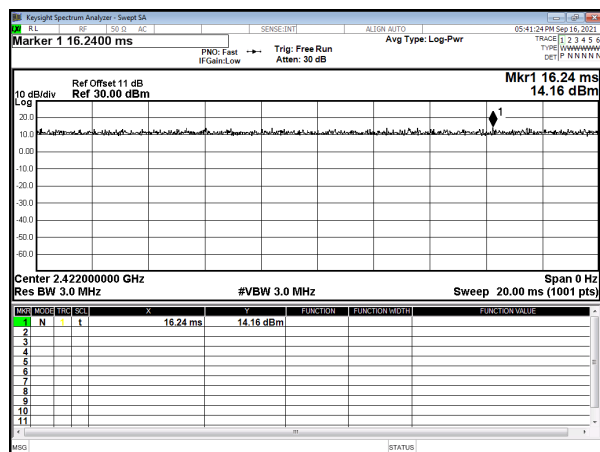


For 2TX

Modulation Type: 802.11n HT20 (6.5Mbps)



Modulation Type: 802.11n HT40 (13.5Mbps)





7. 6dB 頻寬之規定

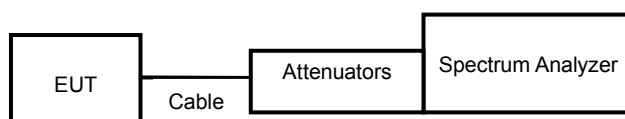
7.1. 適用標準

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器材技術規範 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

For 1TX

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
			ANT A	
IEEE 802.11b	01	2412	8.58	0.5
	06	2437	8.61	0.5
	11	2462	9.07	0.5
IEEE 802.11g	01	2412	15.17	0.5
	06	2437	15.18	0.5
	11	2462	15.17	0.5
IEEE 802.11n HT20	01	2412	15.16	0.5
	06	2437	15.17	0.5
	11	2462	15.17	0.5
IEEE 802.11n HT40	03	2422	35.16	0.5
	06	2437	35.14	0.5
	09	2452	35.16	0.5

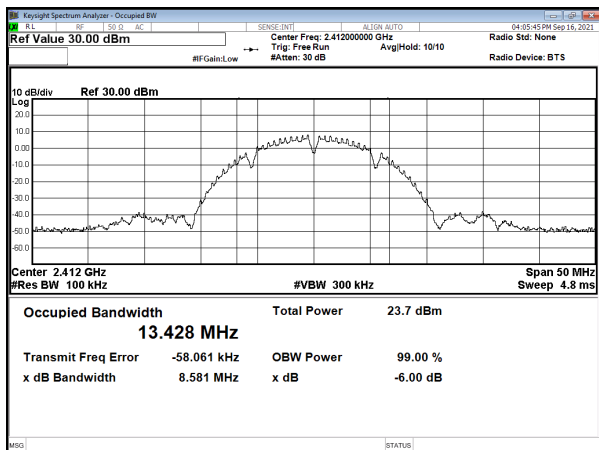
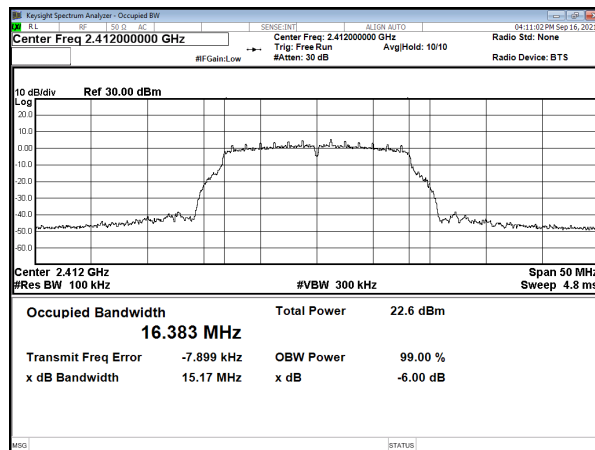
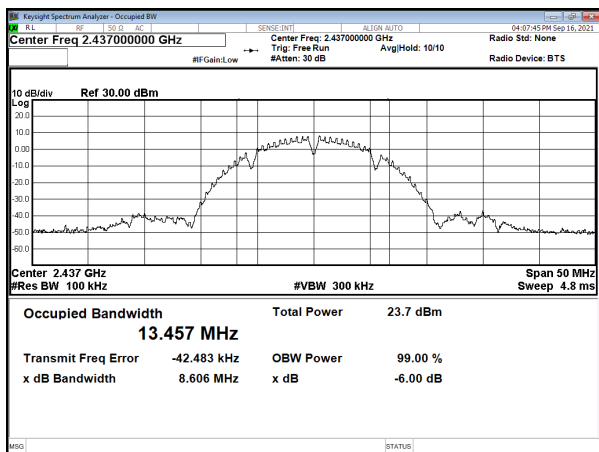
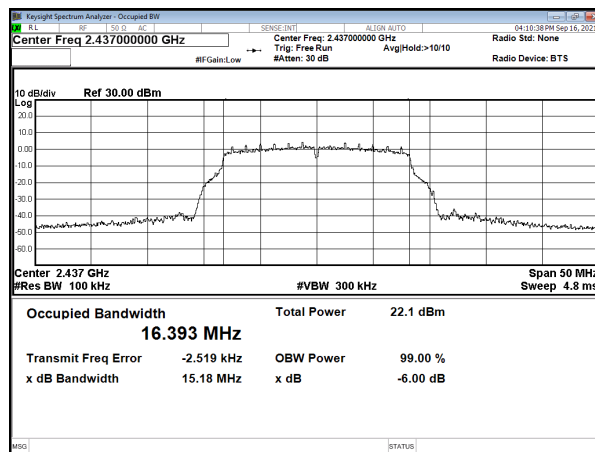
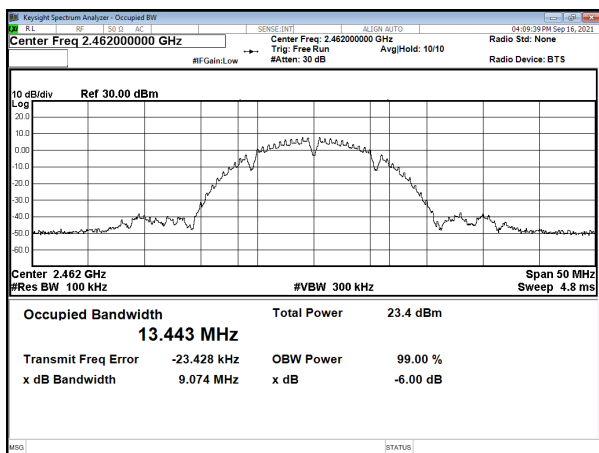
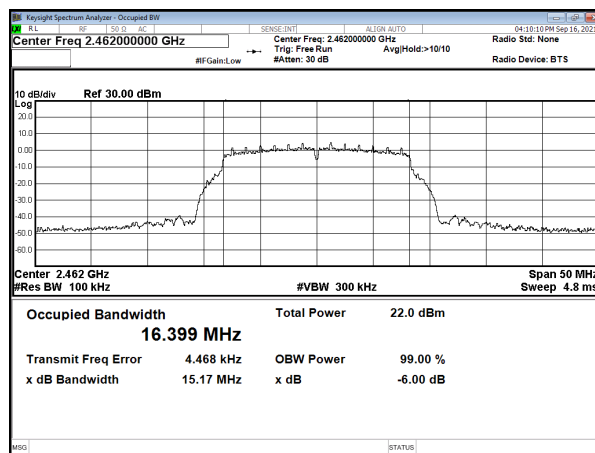
For 2TX

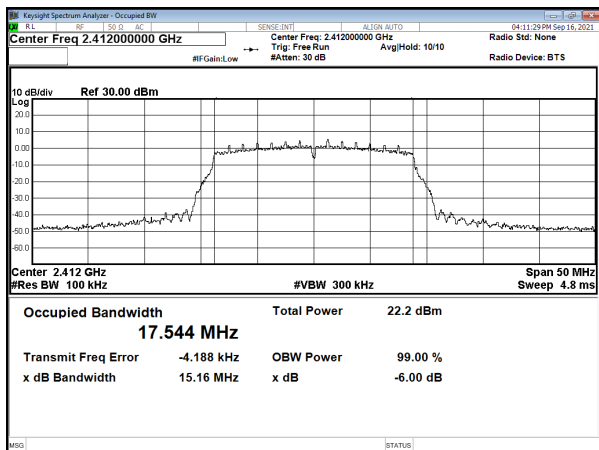
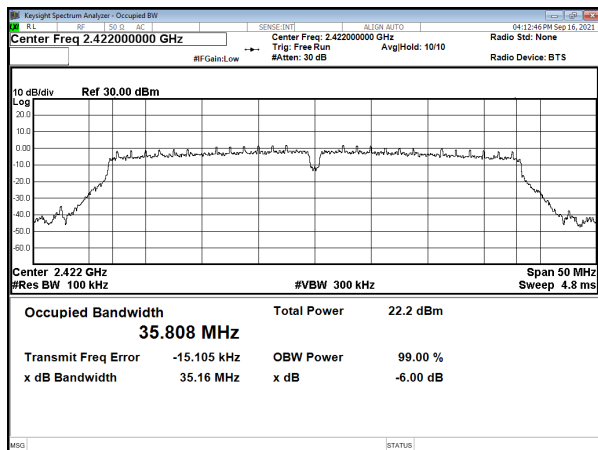
Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Limit (MHz)
			ANT A	ANT B	
IEEE 802.11n HT20	01	2412	15.15	15.34	0.5
	06	2437	15.08	15.16	0.5
	11	2462	15.16	16.32	0.5
IEEE 802.11n HT40	03	2422	35.16	35.15	0.5
	06	2437	35.13	35.11	0.5
	09	2452	35.11	35.14	0.5

備註：繪圖資料請參考下頁。

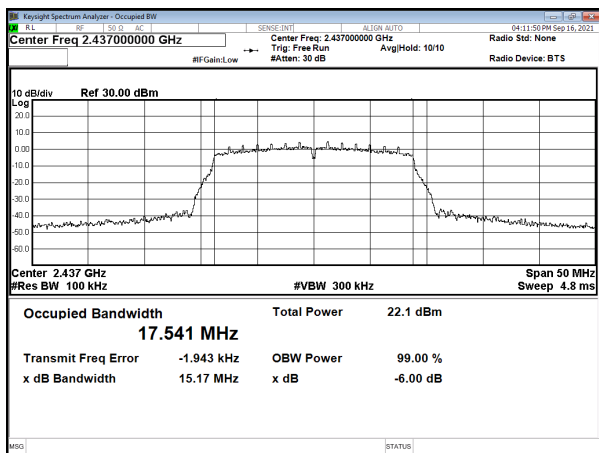
7.5. 結果判定

高、中、低頻段的 6dB 頻寬皆大於 500 KHz，合乎標準規定。

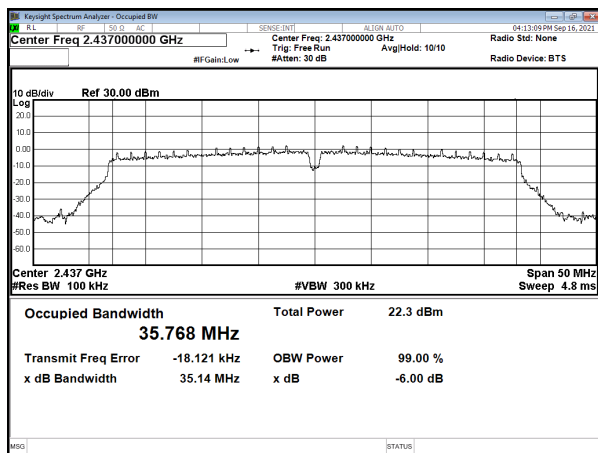
**For 1TX:ANT A**Modulation Type: 802.11b
CH01Modulation Type: 802.11g
CH01**CH06****CH06****CH11****CH11**

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

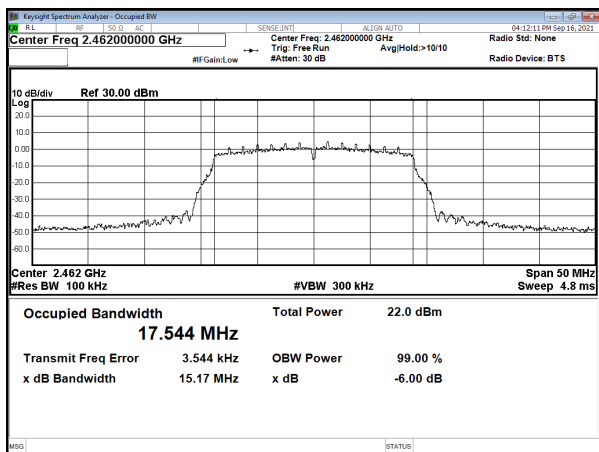
CH06



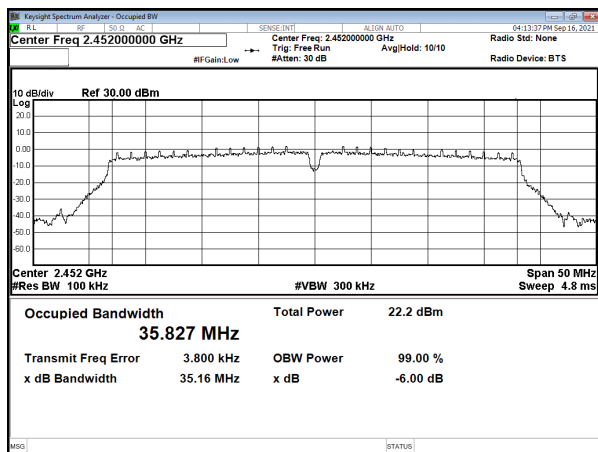
CH06

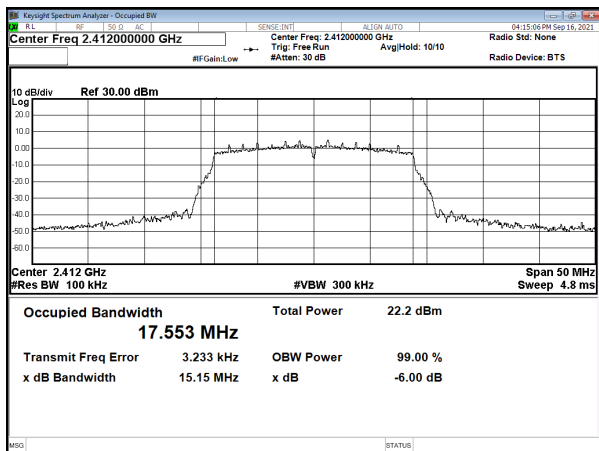
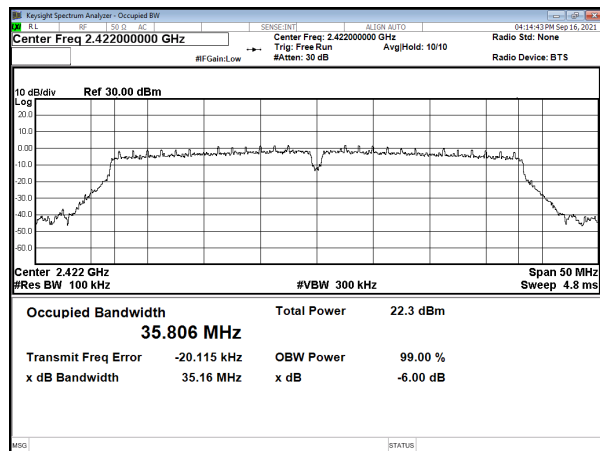
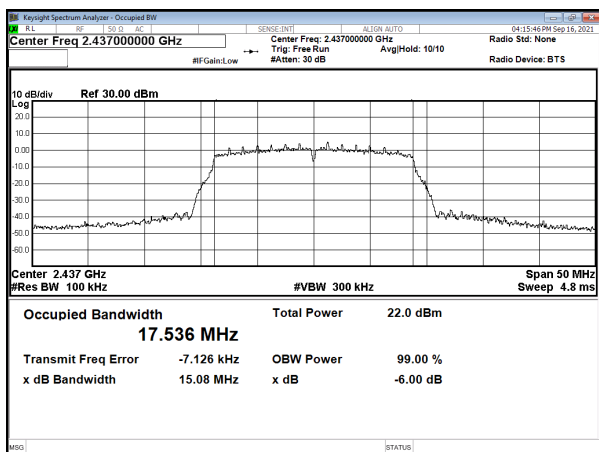
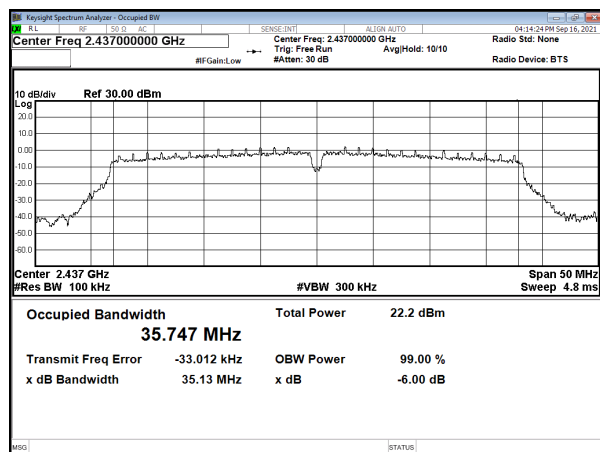
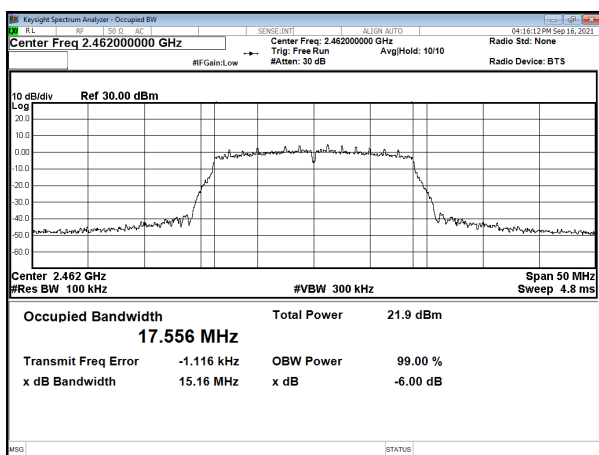
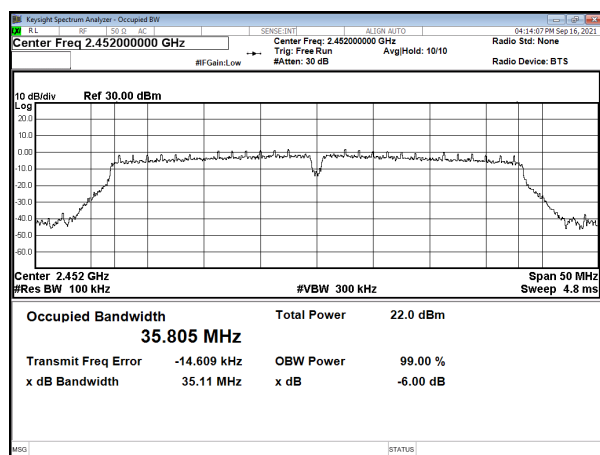


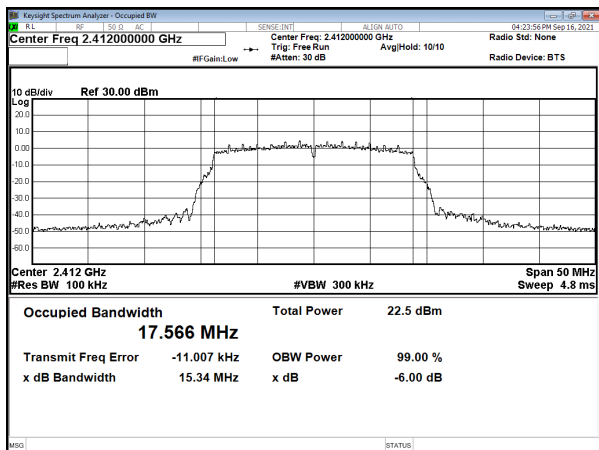
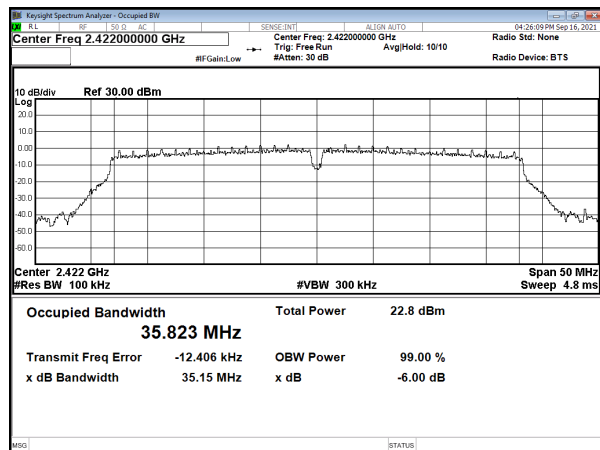
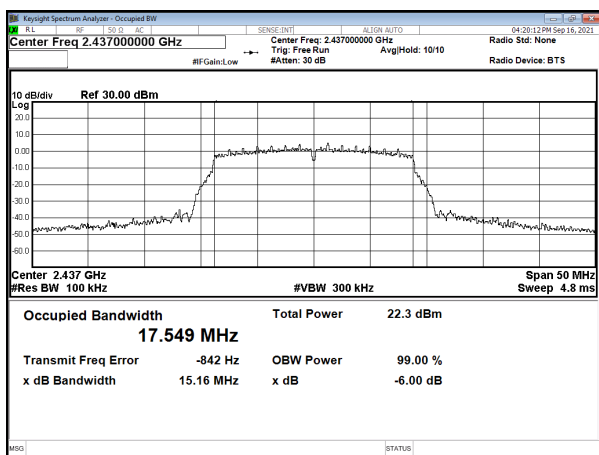
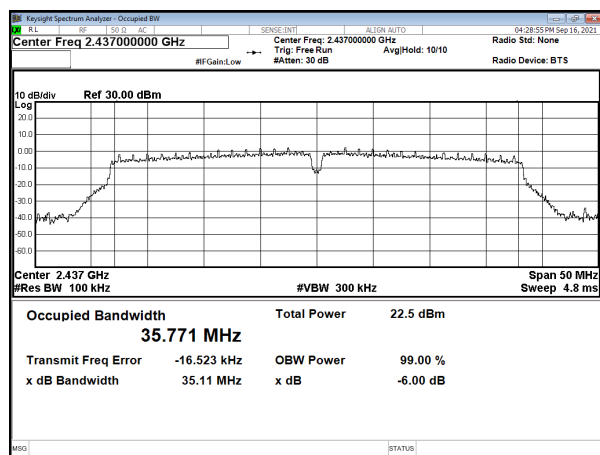
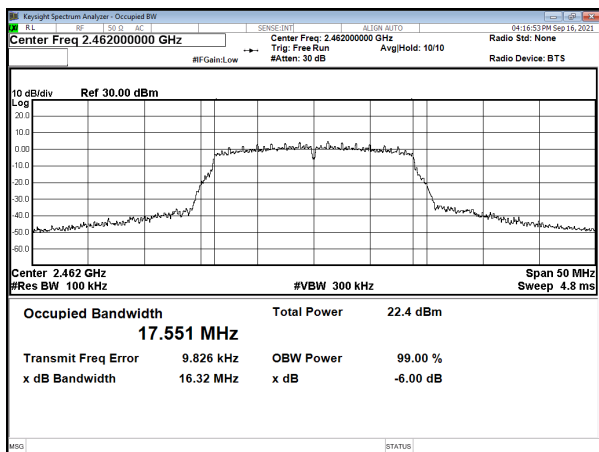
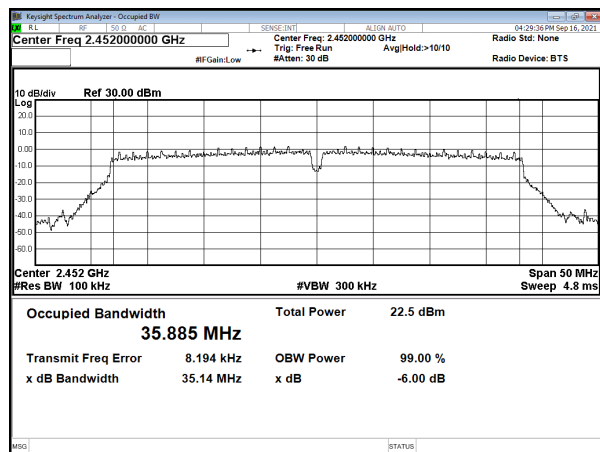
CH11



CH09



**For 2TX:ANT A**Modulation Type: 802.11n HT20
CH01Modulation Type: 802.11n HT40
CH03**CH06****CH06****CH11****CH09**

**For 2TX:ANT B**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

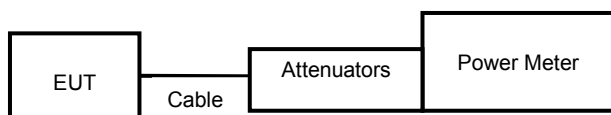
8.1. 適用標準

依據國家通訊傳播委員會低功率射頻器材技術規範 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**

For 1TX

Modulation Type	Channel	Frequency (MHz)	Conducted (peak) output power (dBm)	Total PK power (dBm)	Total PK power (mW)	Power Limit (dBm)
			ANT A			
11b	1	2412	19.00	19.00	79.433	30.00
	6	2437	19.10	19.10	81.283	30.00
	11	2462	18.79	18.79	75.683	30.00
11g	1	2412	22.96	22.96	197.697	30.00
	6	2437	22.77	22.77	189.234	30.00
	11	2462	22.69	22.69	185.780	30.00
11n HT20	1	2412	22.86	22.86	193.197	30.00
	6	2437	22.57	22.57	180.717	30.00
	11	2462	22.51	22.51	178.238	30.00
11n HT40	3	2422	22.79	22.79	190.108	30.00
	6	2437	22.80	22.80	190.546	30.00
	9	2452	22.80	22.80	190.546	30.00

For 1TX

Modulation Type	Channel	Frequency (MHz)	Conducted(peak) output power (dBm)		Total PK power (dBm)	Total PK power (mW)	Power Limit (dBm)
			ANT A	ANT B			
11n HT20	1	2412	22.88	22.57	25.74	374.806	30.00
	6	2437	22.59	22.41	25.51	355.732	30.00
	11	2462	22.61	22.51	25.57	360.627	30.00
11n HT40	3	2422	22.93	22.75	25.85	384.701	30.00
	6	2437	23.04	22.50	25.79	379.200	30.00
	9	2452	22.99	22.79	25.90	389.175	30.00

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器材技術規範 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：

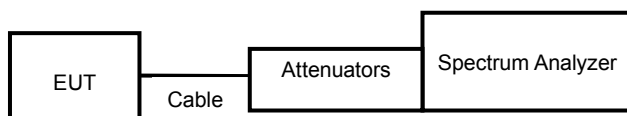
- (1) 輸出功率以峰值輸出功率方式量測者，至少需衰減 20dB，可使用射頻傳導或輻射方式測量。
- (2) 輸出功率以 4.10.1.2(1)(C)之最大傳導輸出功率測量方式者，至少需衰減 30dB，可使用射頻傳導或輻射方式測量。

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

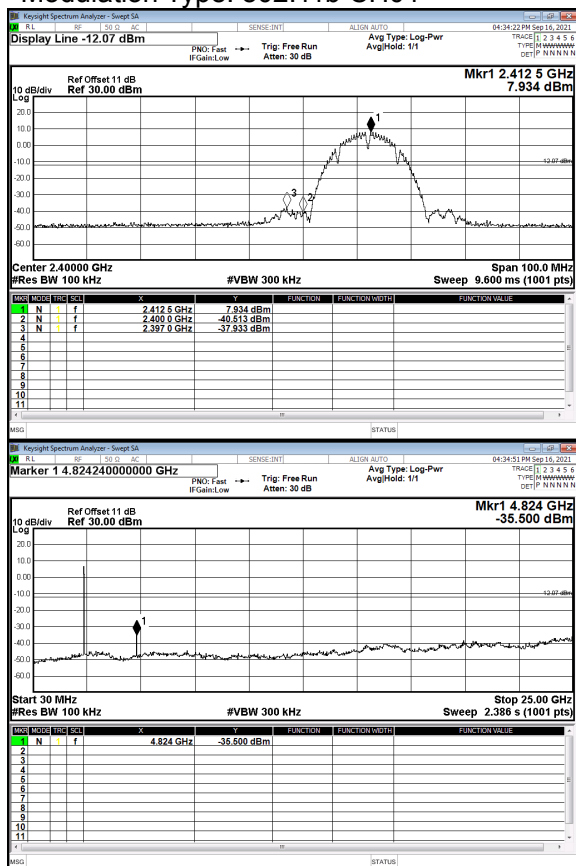
7.6.1 下邊緣頻帶：距下頻帶邊緣 40MHz 內最大混附波比主波低 20dB 以上，合乎標準規定。

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。

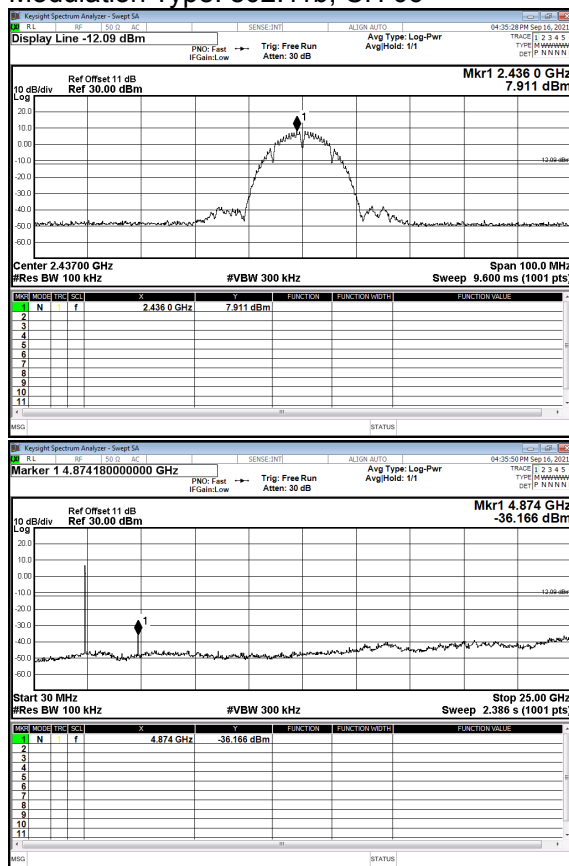
備註：繪圖資料請參考下頁。



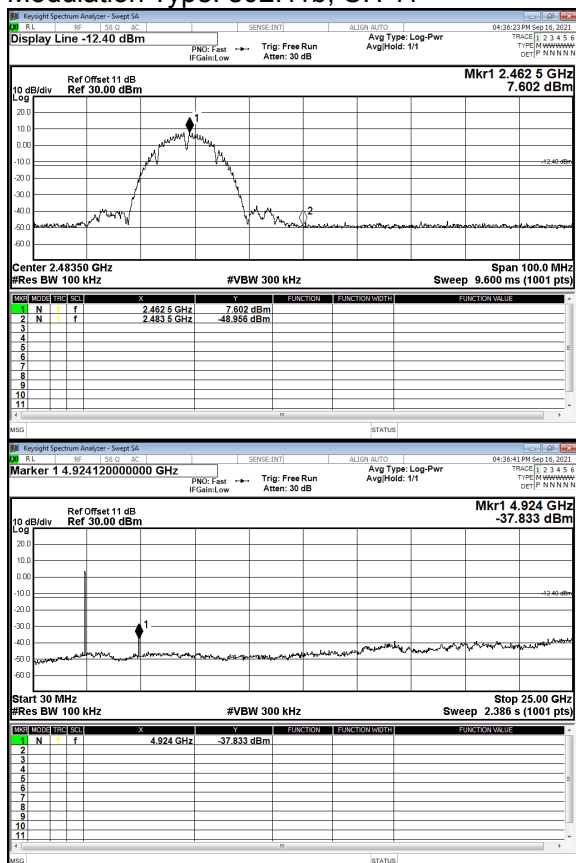
For 1TX Modulation Type: 802.11b CH01



Modulation Type: 802.11b, CH 06

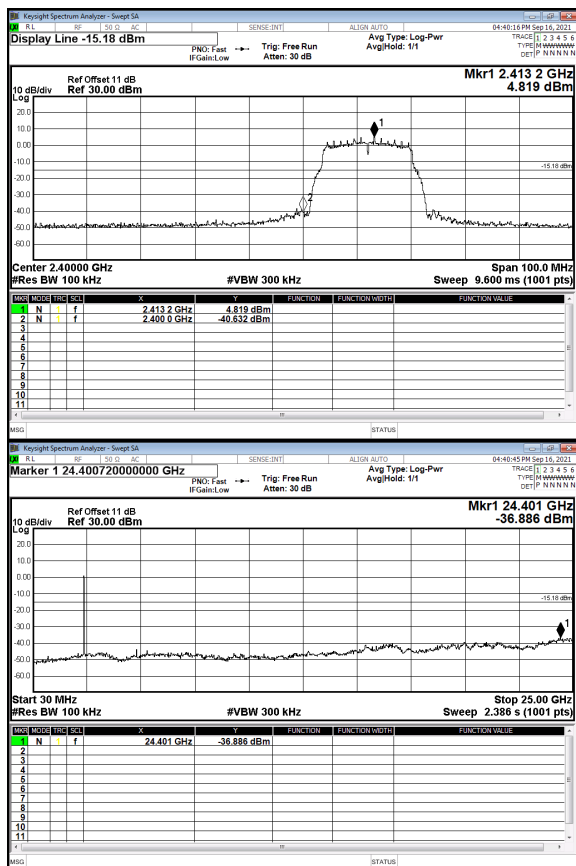


Modulation Type: 802.11b, CH 11

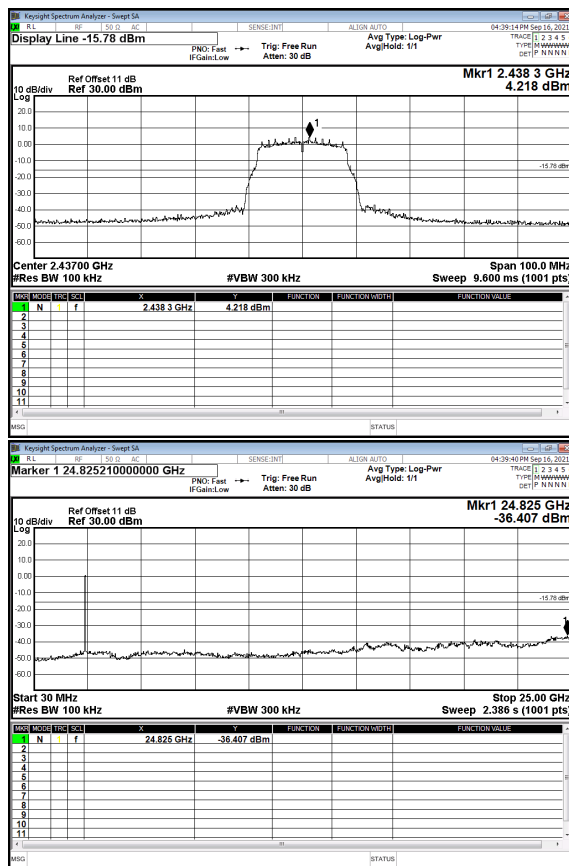




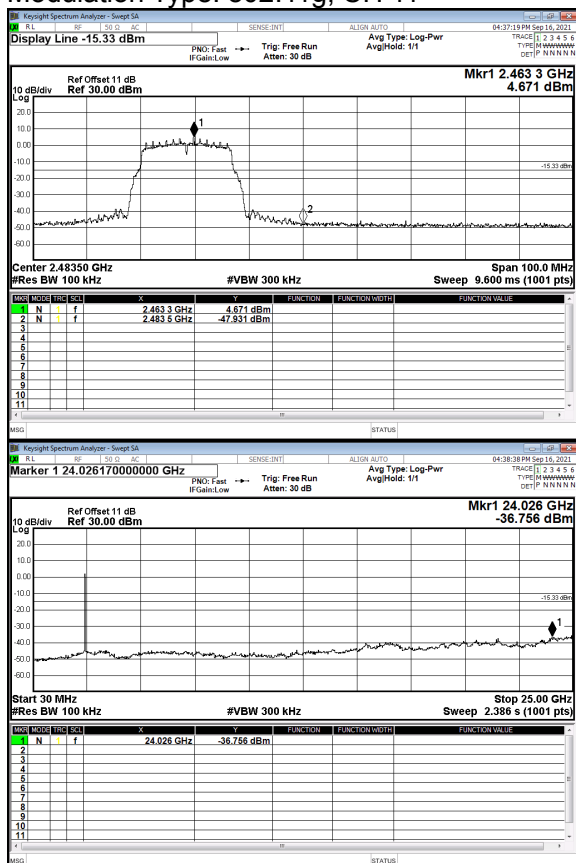
Modulation Type: 802.11g CH01



Modulation Type: 802.11g, CH 06

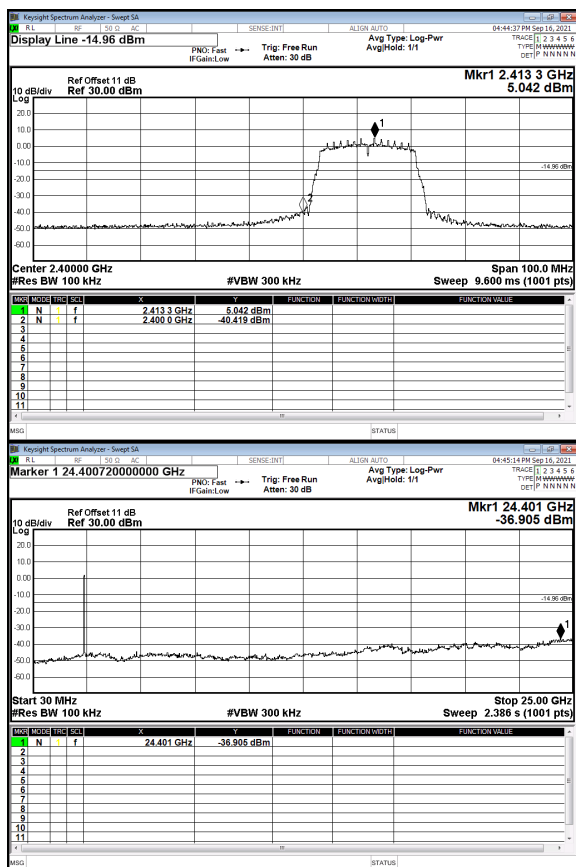


Modulation Type: 802.11g, CH 11

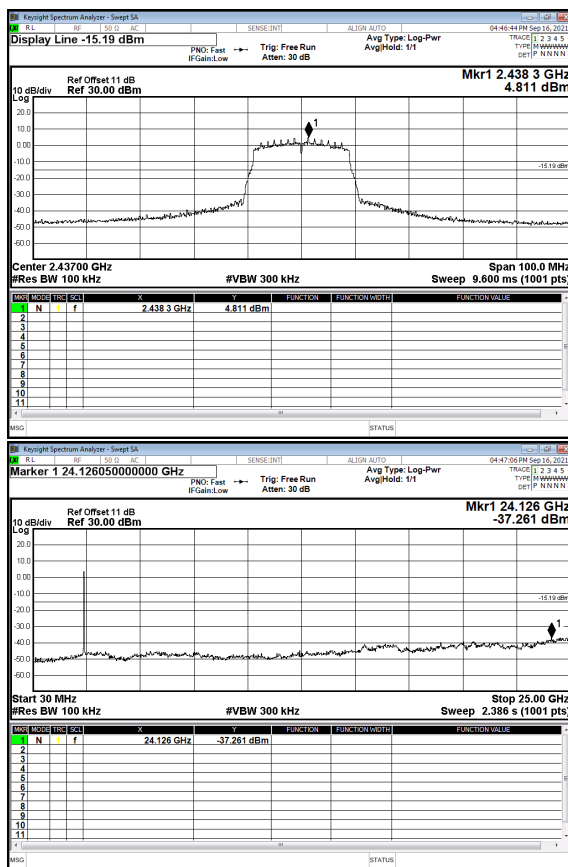




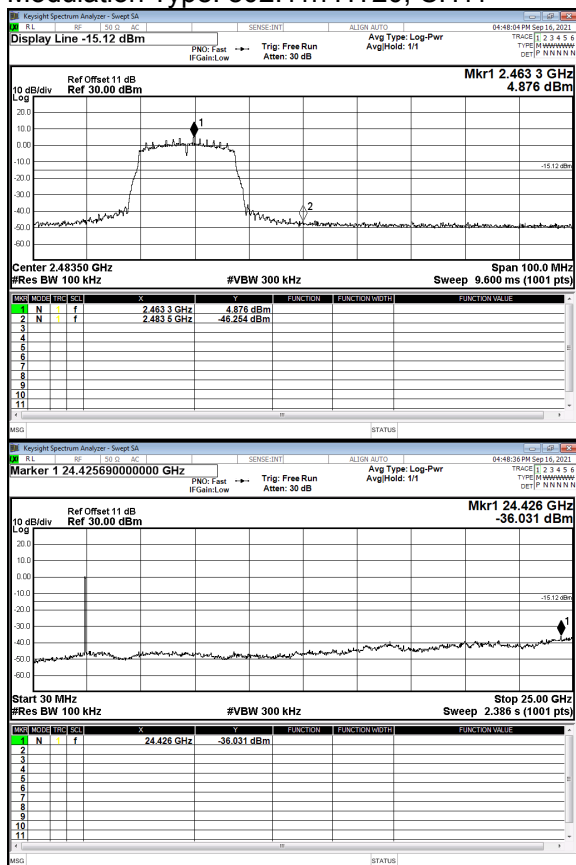
Modulation Type: 802.11n HT20, CH01



Modulation Type: 802.11n HT20, CH06

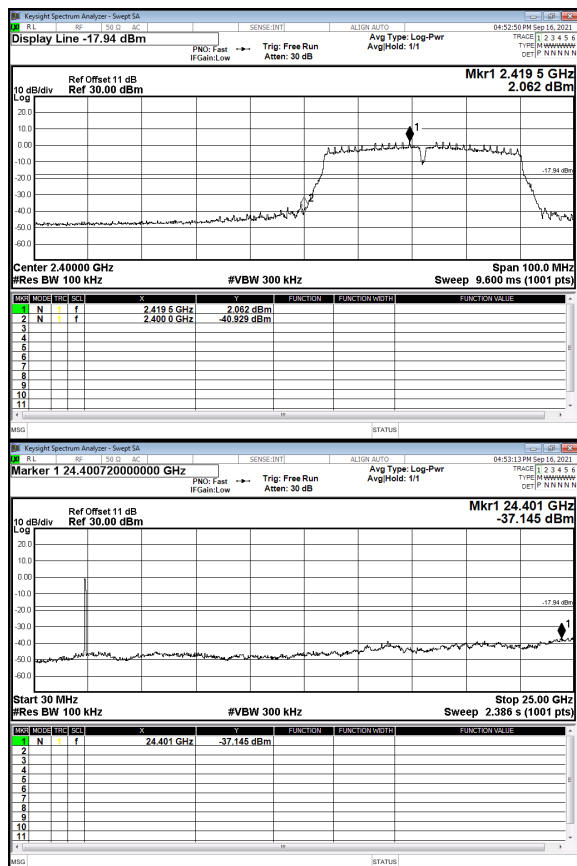


Modulation Type: 802.11n HT20, CH11

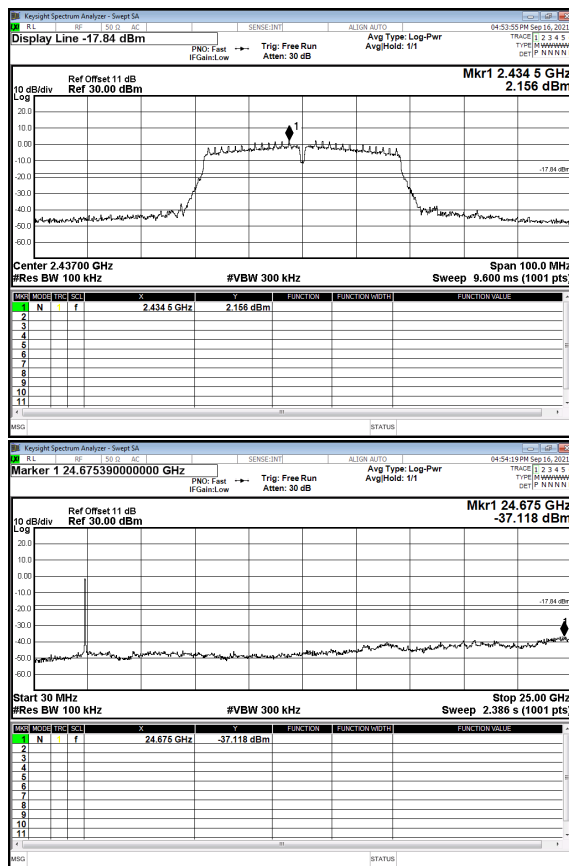




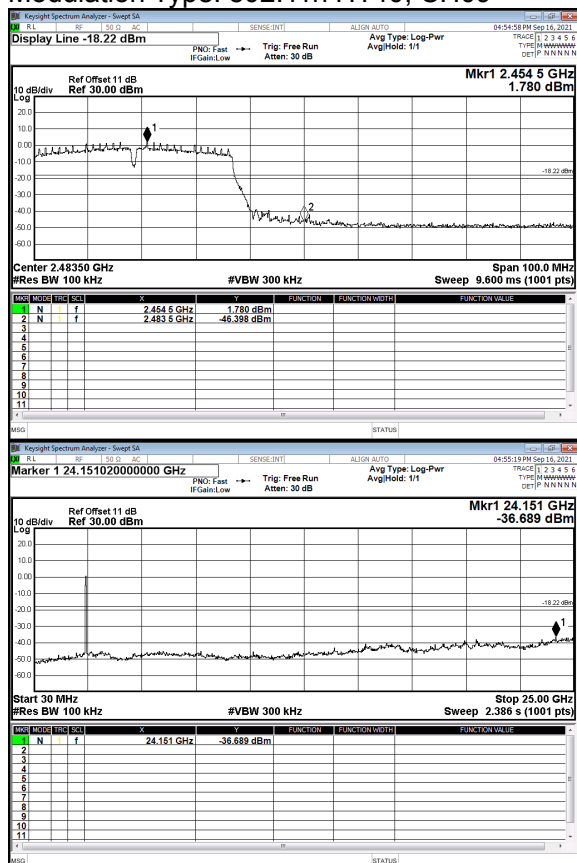
Modulation Type: 802.11n HT40, CH03



Modulation Type: 802.11n HT40, CH06



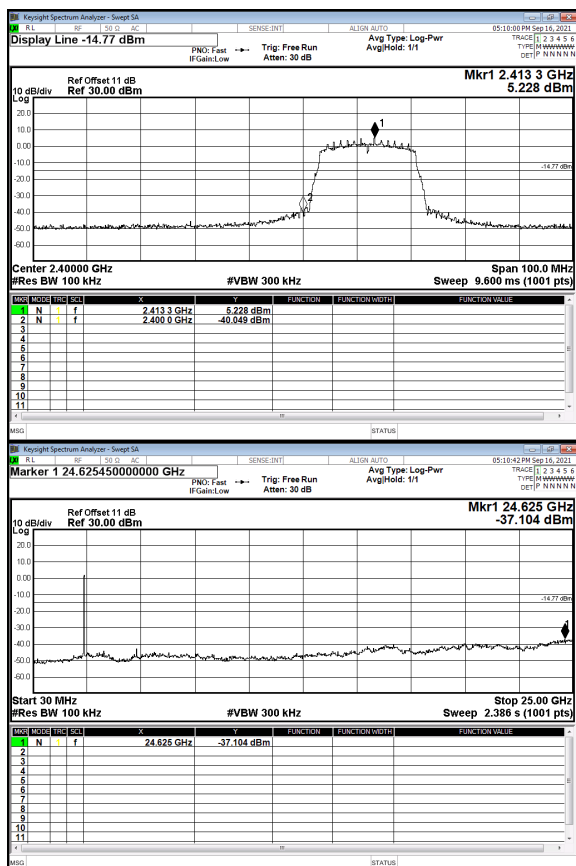
Modulation Type: 802.11n HT40, CH09



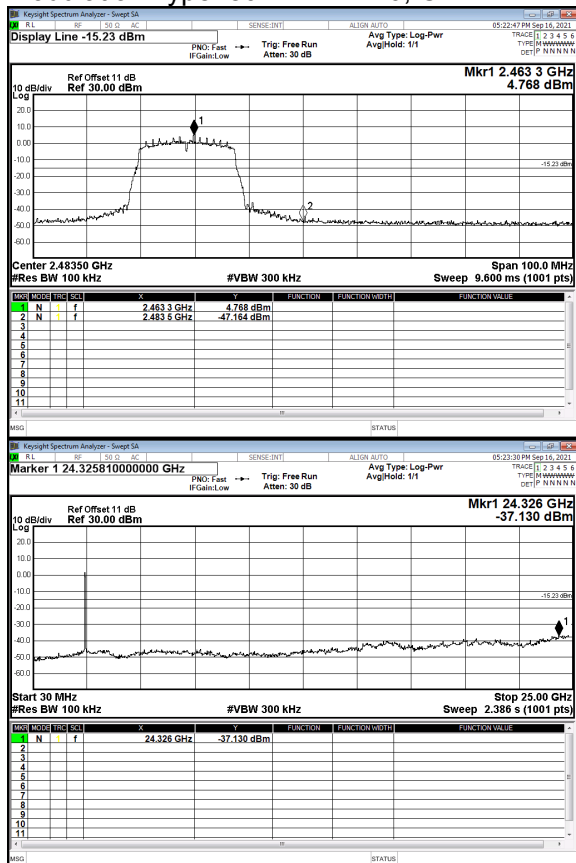


For 2TX :ANT A

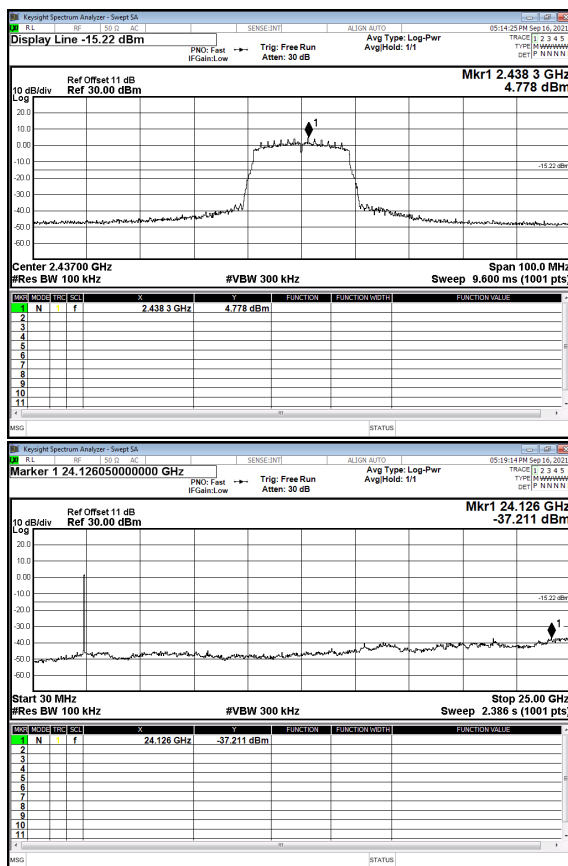
Modulation Type: 802.11n HT20, CH01



Modulation Type: 802.11n HT20, CH11

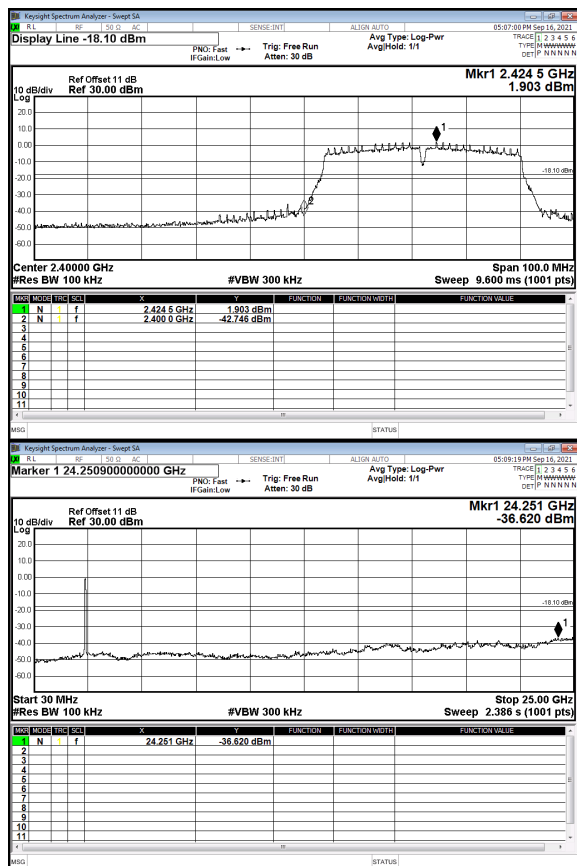


Modulation Type: 802.11n HT20, CH06

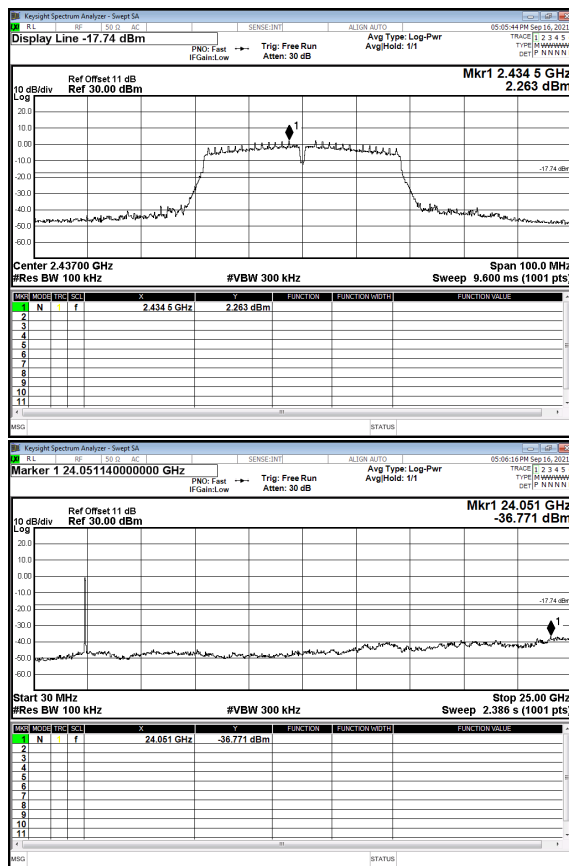




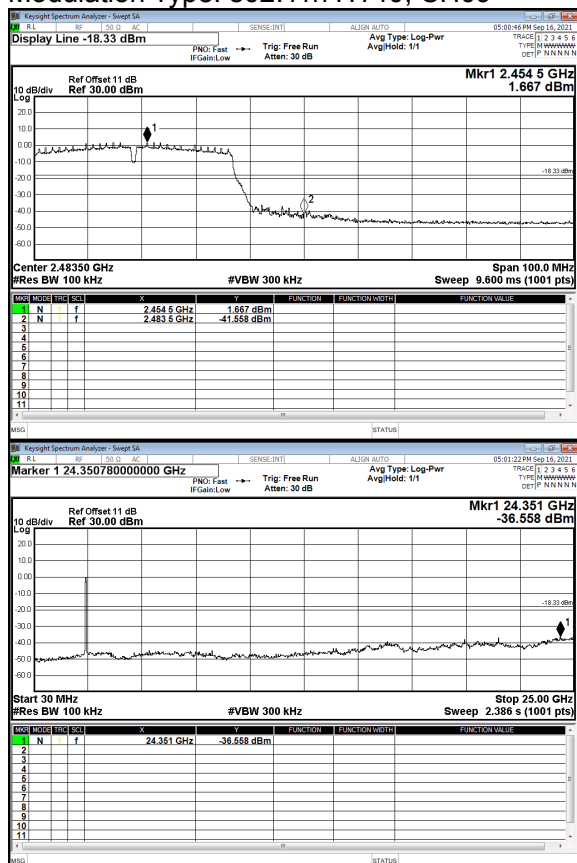
Modulation Type: 802.11n HT40, CH03



Modulation Type: 802.11n HT40, CH06



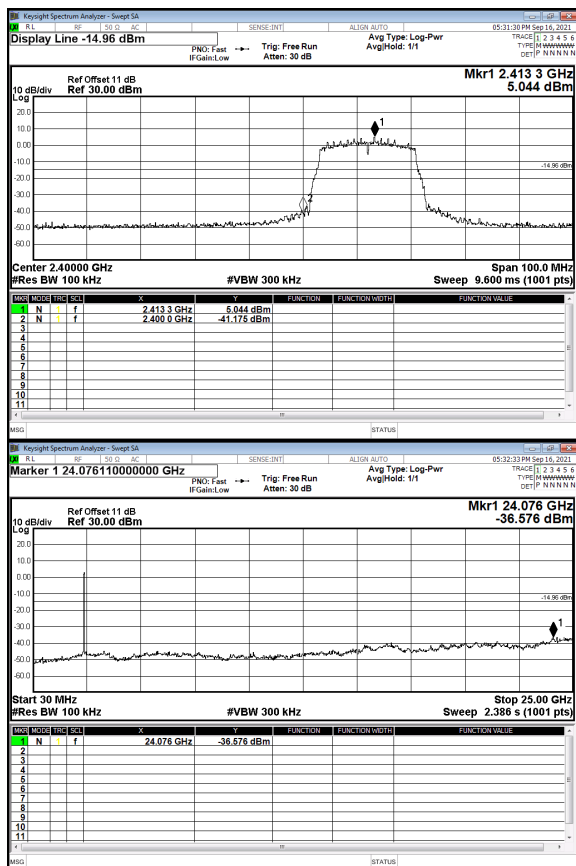
Modulation Type: 802.11n HT40, CH09



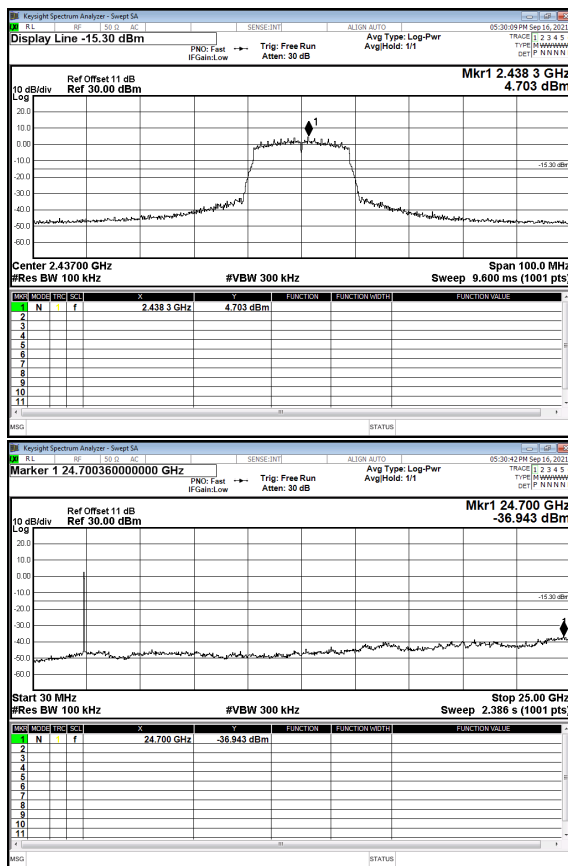


For 2TX :ANT B

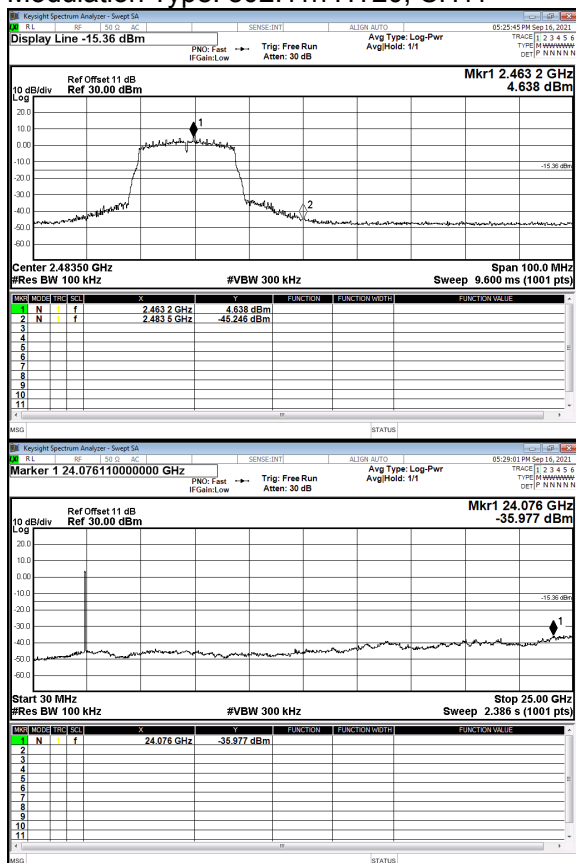
Modulation Type: 802.11n HT20, CH01



Modulation Type: 802.11n HT20, CH06

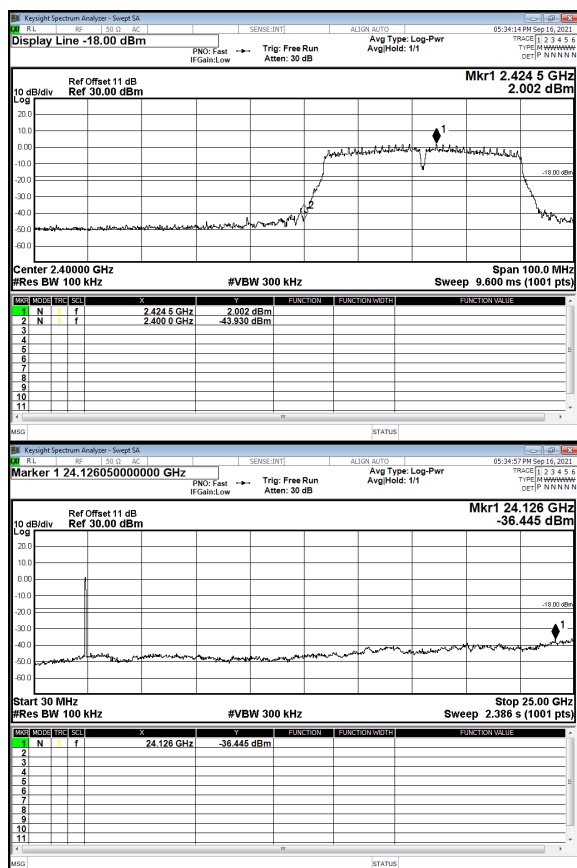


Modulation Type: 802.11n HT20, CH11

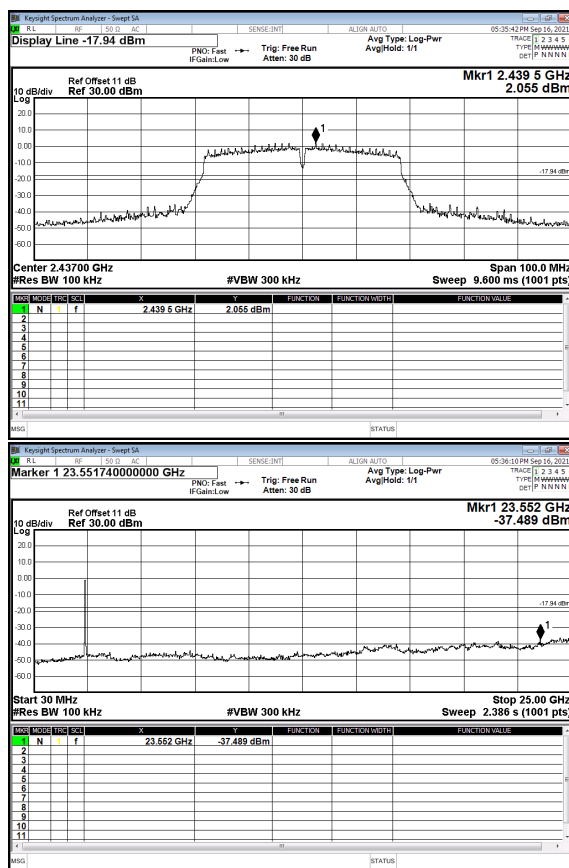




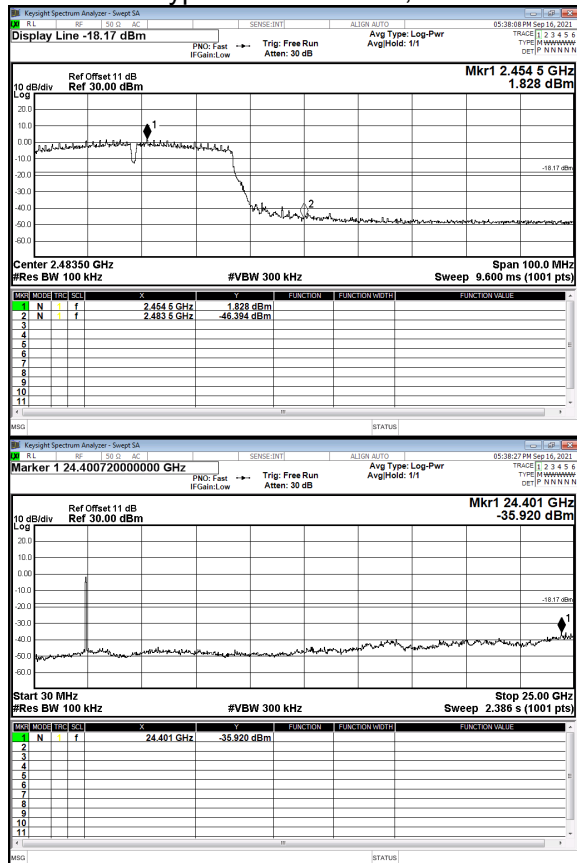
Modulation Type: 802.11n HT40, CH03



Modulation Type: 802.11n HT40, CH06



Modulation Type: 802.11n HT40, CH09





10. 功率密度之規定

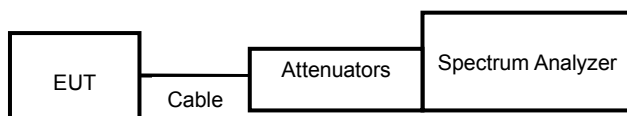
10.1. 適用標準

依據國家通訊傳播委員會低功率射頻器材技術規範 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 4.10.1.3 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

For 1TX:

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	-7.12	-7.12	0.00	-7.12	8.00
	6	2437	-7.73	-7.73	0.00	-7.73	8.00
	11	2462	-7.39	-7.39	0.00	-7.39	8.00
11g	1	2412	-8.38	-8.39	0.00	-8.39	8.00
	6	2437	-10.33	-10.33	0.00	-10.33	8.00
	11	2462	-10.2	-10.20	0.00	-10.20	8.00
11n HT20	1	2412	-10.44	-10.44	0.00	-10.44	8.00
	6	2437	-10.46	-10.46	0.00	-10.46	8.00
	11	2462	-10.64	-10.64	0.00	-10.64	8.00
11n HT40	3	2422	-13.44	-13.44	0.00	-13.44	8.00
	6	2437	-13.48	-13.48	0.00	-13.48	8.00
	9	2452	-13.28	-13.28	0.00	-13.28	8.00

For 2TX:

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	ANT B				
11n HT20	1	2412	-10.44	-8.8	-6.53	0.00	-6.53	8.00
	6	2437	-11.15	-9.75	-7.38	0.00	-7.38	8.00
	11	2462	-11.08	-10.24	-7.63	0.00	-7.63	8.00
11n HT40	3	2422	-12.67	-13.24	-9.94	0.00	-9.94	8.00
	6	2437	-12.26	-12.76	-9.49	0.00	-9.49	8.00
	9	2452	-12.36	-13.33	-9.81	0.00	-9.81	8.00

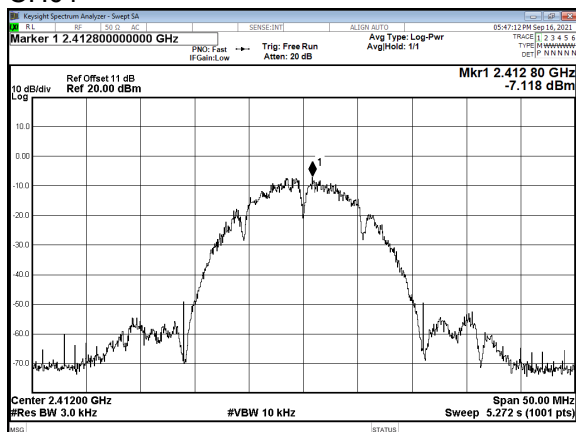
備註：繪圖資料請參考下頁。

10.5. 結果判定

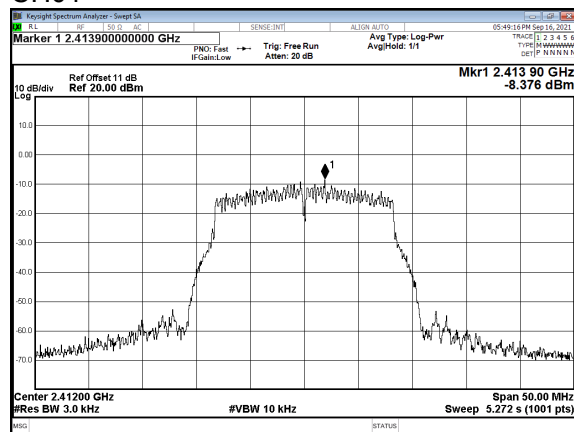
高、中、低頻段的 3 kHz 功率密度皆低於 8 dBm，合乎標準規定。



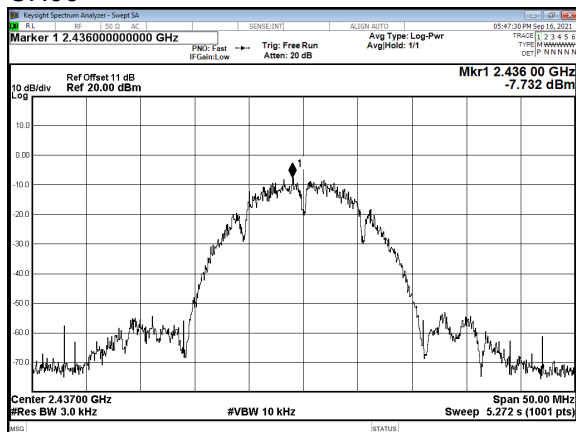
For 1TX:
Modulation Type: 802.11b
CH01



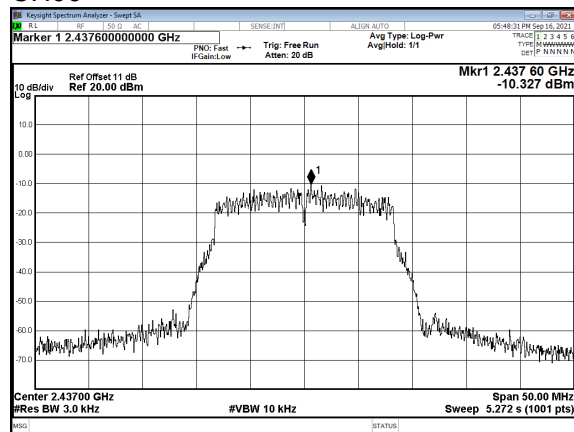
Modulation Type: 802.11g
CH01



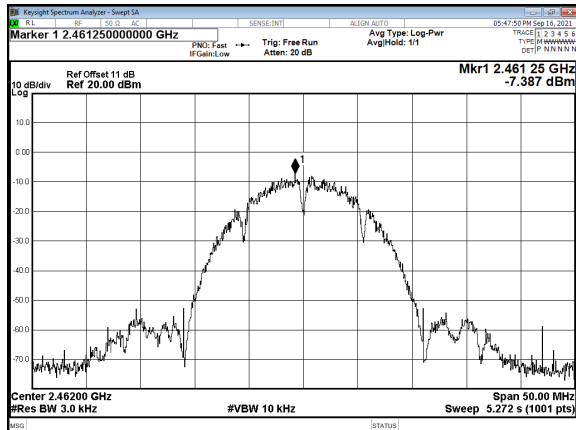
CH06



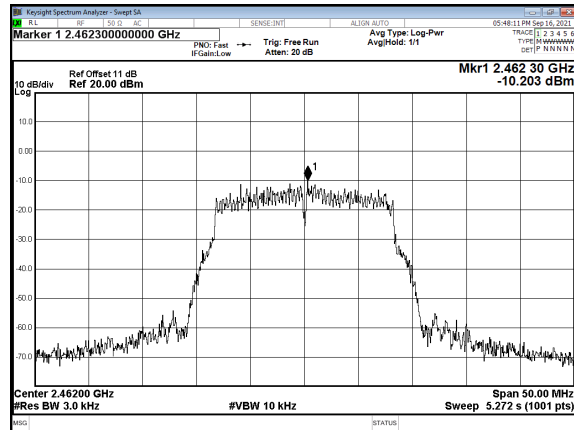
CH06

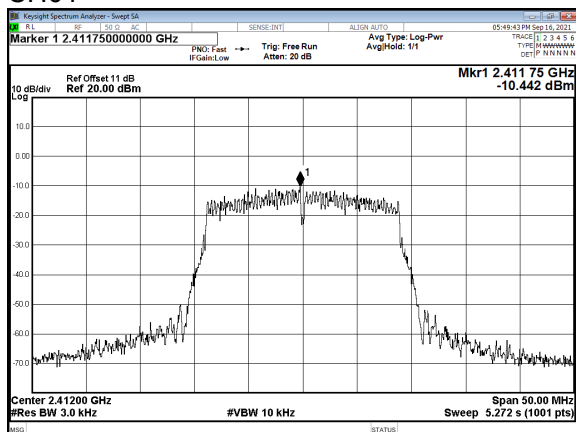
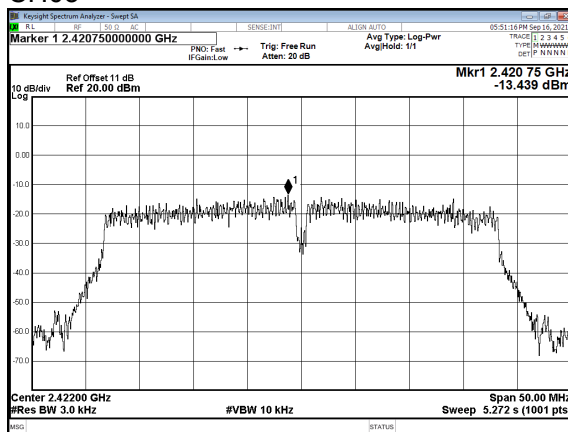


CH11

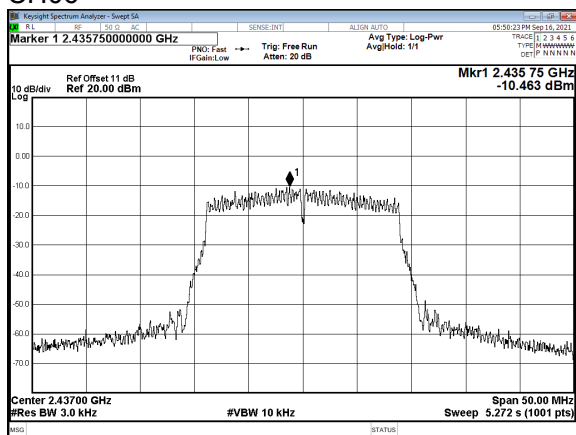


CH11

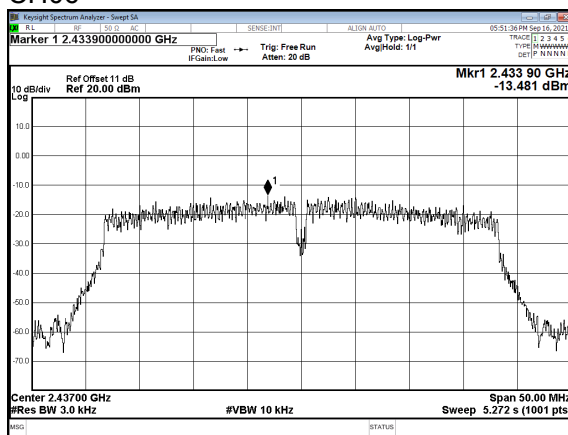


Modulation Type: 802.11n HT20
CH01Modulation Type: 802.11n HT40
CH03

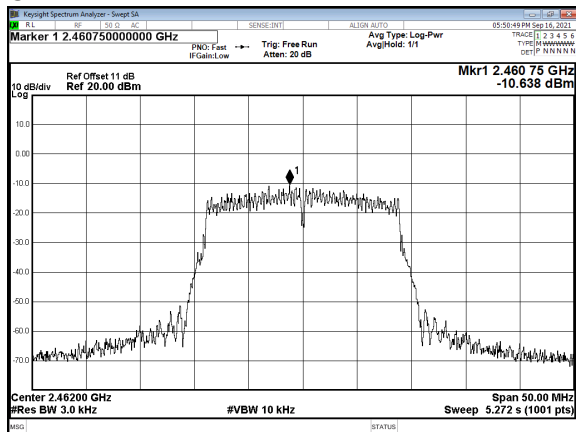
CH06



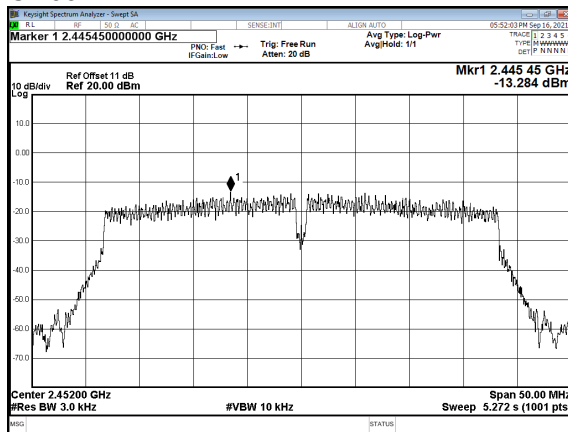
CH06



CH11

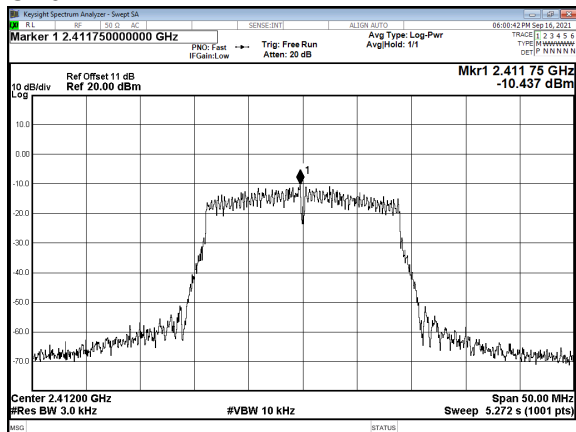


CH09

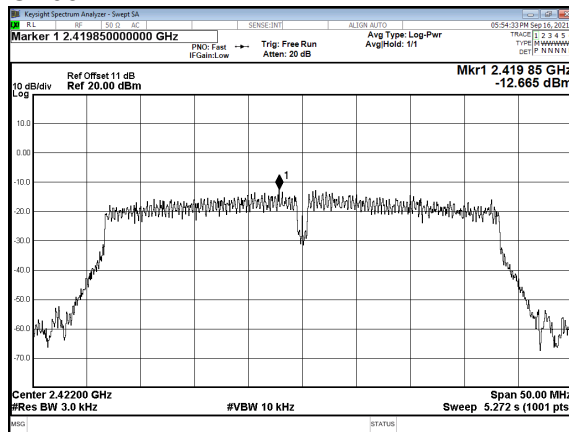




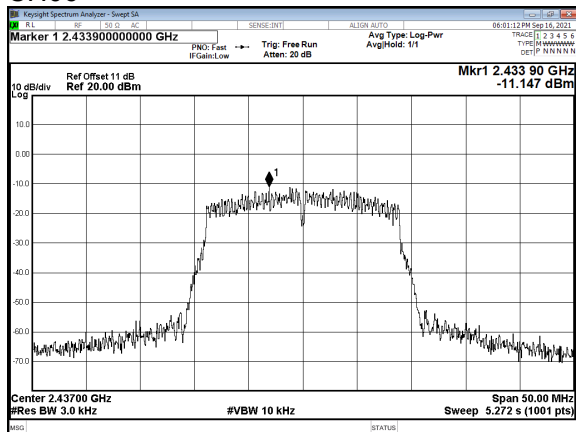
For 2TX:ANT A
Modulation Type: 802.11n HT20
CH01



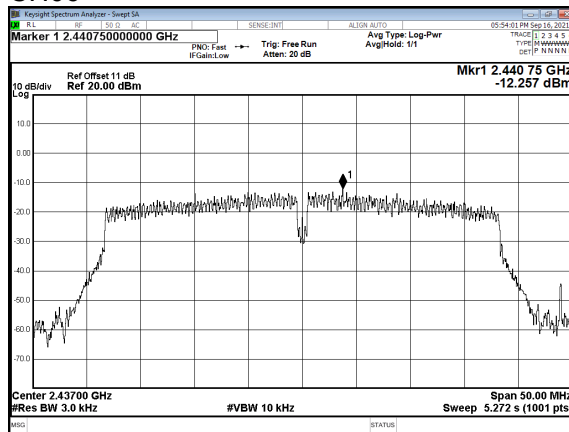
Modulation Type: 802.11n HT40
CH03



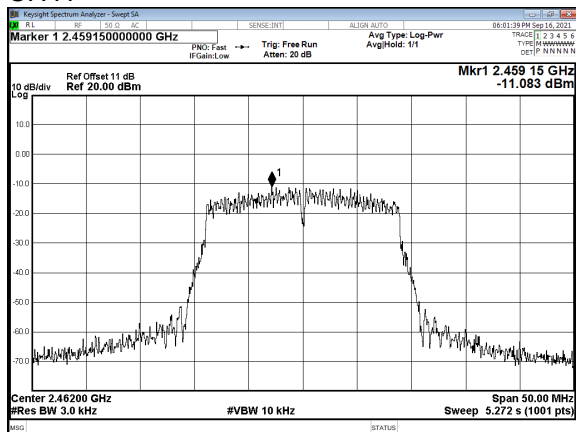
CH06



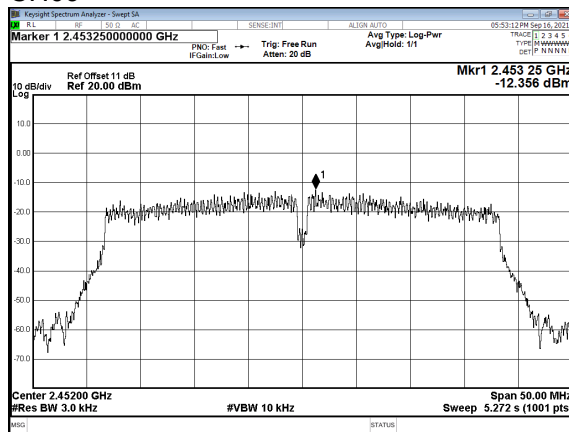
CH06



CH11

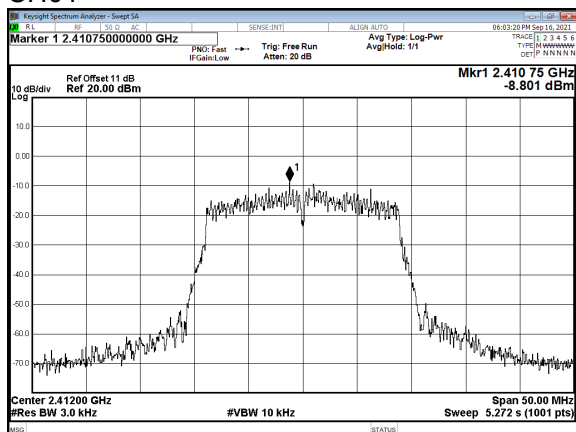


CH09

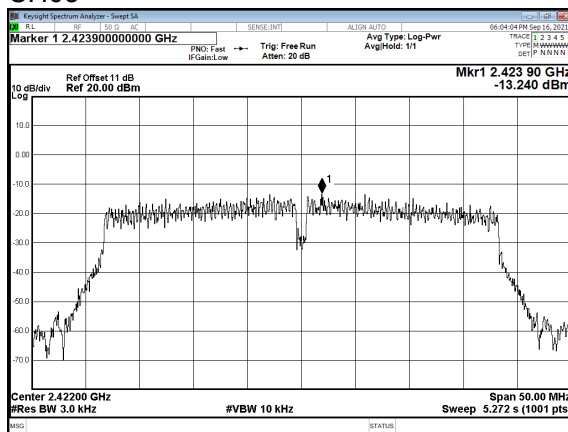




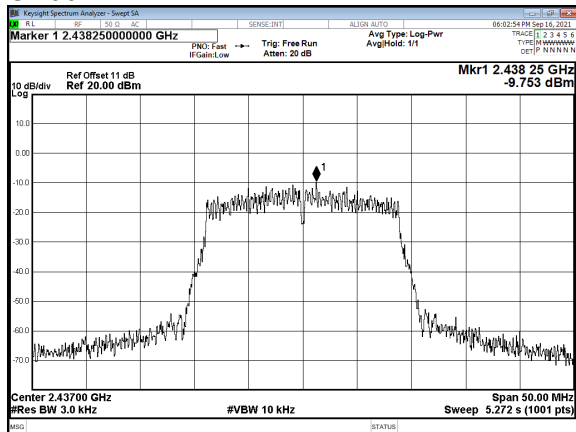
For 2TX:ANT B
Modulation Type: 802.11n HT20
CH01



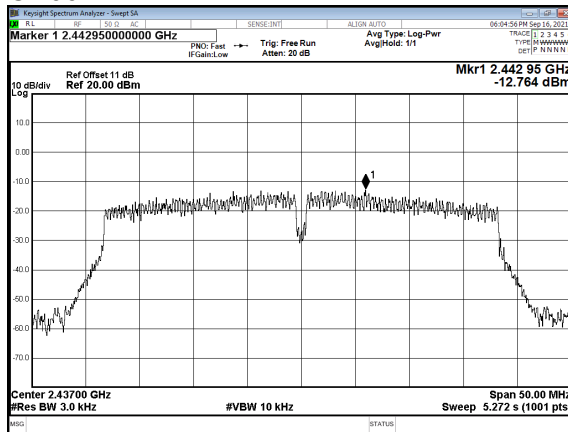
Modulation Type: 802.11n HT40
CH03



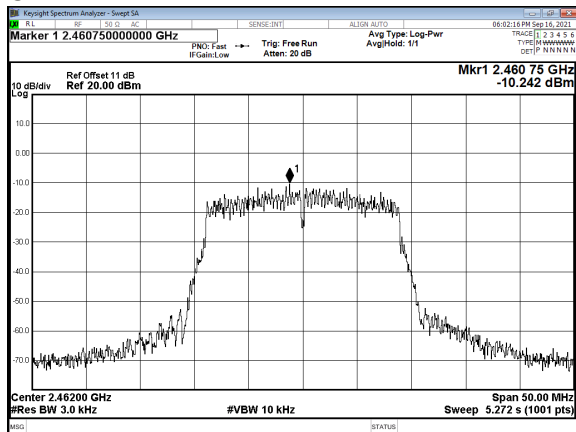
CH06



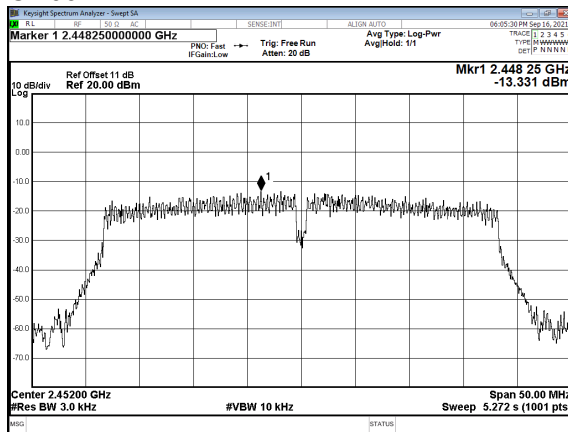
CH06



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器材技術規範 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(1TX)	22.96	24.96	2	20	0.099	1
2412-2462(2TX)	25.90	27.90	2	20	0.194	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-----