

LP0002 測試報告
for
Stages Power Meter, Left/
Stages Power Meter, Right
型號: SPM2A

of

Applicant: Foundation Fitness LLC

Address: 606 SE 9th Ave, Portland, Oregon 97214, United States

Tested and Prepared

by

Worldwide Testing Services (Taiwan) Co., Ltd.

FCC Registration No.: TW1477, TW0020, TW1072

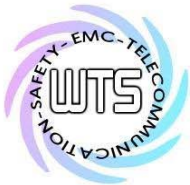
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測試報告證明

受理日期 : 108年09月18日
完成日期 : 108年10月25日
申請者 : Foundation Fitness LLC
申請者地址 : 606 SE 9th Ave, Portland, Oregon 97214, United States
製造廠商 : Foundation Fitness LLC
廠牌 : Stages Cycling
品名 : Stages Power Meter, Left/Stages Power Meter, Right
型號 : SPM2A
引用規範 : 國家通訊傳播委員會低功率射頻電機技術規範LP0002, 修訂日期107年1月。
測試總結如下 :

項次	測試項目	適用規範	測試數據	量測設備	判定結果
1	電源線傳導干擾	低功率射頻電機技術規範2.3節	請參閱5.4節	請參閱5.4節	符合 請參閱5.4節
2	峰值傳導輸出功率	低功率射頻電機技術規範 3.10.1.2 (1)節	請參閱6.4節	請參閱6.4節	符合 請參閱6.4節
3	天線增益之要求	低功率射頻電機技術規範 3.10.1.3 (1)(3)節	請參閱7.2節	請參閱7.2節	符合 請參閱7.2節
4	頻帶邊緣	低功率射頻電機技術規範 3.10.1.5節、2.7節和 2.8節	請參閱8.4節	請參閱8.4節	符合 請參閱8.4節
5	場強輻射	低功率射頻電機技術規範 3.10.1.5節、2.7節和 2.8節	請參閱9.5節	請參閱9.5節	符合 請參閱9.5節
6	發射頻寬	低功率射頻電機技術規範 3.10.1.6(2)(A)節	請參閱10.4節	請參閱10.4節	符合 請參閱10.4節
7	功率密度	低功率射頻電機技術規範 3.10.1.6(2)(B)節	請參閱11.4節	請參閱11.4節	符合 請參閱11.4節

測試報告聲明：

1. 本測試報告只適用於經本實驗室測試之樣品。
2. 非經本實驗室認可，摘錄本測試報告之部分內容使用無效。

測量單位名稱 : 今慶科技股份有限公司
聯絡地址 : 台北市內湖區瑞光路188巷58號6樓
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報告簽署人：

王政凱

量測員：

郭仕漢

簽署日期： 108年10月25日

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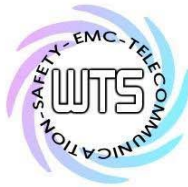
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1 一般資料

1.1 產品描述

- a) 產品型態 : Stages Power Meter, Left/Stages Power Meter, Right
b) 商標 : Stages Cycling
c) 型號 : SPM2A
d) 供應電源 : Battery 3Vd.c.
e) 天線型態/增益 : Ceramic Chip Antenna / 2.2 dBi (BLE & ANT+)
f) 天線廠牌 / 型號 : Pulse Electronics / W3008C
g) 實際檢測頻率範圍 : 2402MHz ~ 2480MHz (BLE), 2457MHz (ANT+)
h) 系列差異說明 : 廠牌: Stages Cycling ; 型號: SPM2A(審定號碼: CCAJ17LPA480T2);相同處為(1)電路設計 (2)使用線材、模組、材料 (3)使用元件位置、走線、結構皆相同。因屬業務上需要，差異在於(1) sensor元件(2)外觀。經工程判定增加測帶外輻射測試，其餘測試數據引用報告號碼W6M21710-17470-LP-02之測試數據報告。【該產品確符合合同系列產品技術規格及射頻性能相同。】

報告僅依據藍牙(Bluetooth) 及 ANT+發射器做測試。本測試報告之測試結果分為 Bluetooth Low Energy Mode (Mode 1) 及 ANT+(Mode 2)兩種。Bluetooth Low Energy Mode 發射器共 40 個頻道，本測報選擇以下三個頻道進行測試並記錄其結果。

頻道 (Ch)		對應頻率(MHz)
A	0	2402
B	19	2440
C	39	2480

輸出功率為 Low Energy Mode (GFSK): 0.43 dBm。

ANT+發射器共1個頻道，本測報選擇以下頻道進行測試並記錄其結果。

頻道 (Ch)	對應頻率(MHz)
A	2457

輸出功率為 ANT+: -1.13 dBm。

1.2 測試方法之依據

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LP0002，修訂日期107年1月，附件二直接序列展頻系統檢測之參考程序。

1.3 實驗室資訊

傳導干擾電壓測試：

台北市內湖區瑞光路188巷58號6樓，今慶科技股份有限公司傳導干擾電壓量測隔離室。

輻射干擾場強測試：

新北市萬里區雙興里麗水 5 號之 1，今慶科技股份有限公司所屬之開放式測試場 (OATS)。

3米半波暗室 台北市內湖區安康路228巷21弄35號

實驗室之財團法人全國認證基金會(TAF)認可編號為 1477；LP0002實驗室檢測範圍 9kHz - 40GHz，認證有效期間107 年 2 月 16 日至 110 年 2 月 15 日止。

2 適用規範

2.1 規範要求

(1) 傳導之規定

依據國家通訊傳播委員會低功率射頻電機技術規範 2.3 節之規定：以市電為電源之低功率射頻電機，其傳導回電源線上頻率自 150 千赫(kHz)至 30 兆赫(MHz)之射頻電壓(在電源端子每一電源線對接地點)不得超過下表所列之限值。測量時應經過 50 微亨利(μ H)及 50 歐姆(Ω)之電源線阻抗模擬網路(LISN)。頻率重疊處，以較低限值為準。

頻率(MHz)	傳導限制值(dBuV)	
	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。

(2) 峰值傳導輸出功率之要求

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.2 (1)節之規定，

(1) 操作於2400 MHz～2483.5 MHz 者

(A) 至少使用75 個跳頻頻道之跳頻系統：1 W(含)以下。

(B) 除(A)外，依 3.10.1.6 (1)(A)(a)之跳頻系統：0.125 W(含)以下。

(C) 數位調變技術系統：1 W(含) 以下。

(3) 天線增益之要求

依據國家通訊傳播委員會低功率射頻電機技術規範 3.10.1.3 (1)(3)節之規定：

(1) 操作於2400 MHz～2483.5 MHz 頻段：

(A) 進行固定式點對點操作時，其發射天線之方向性增益超過6 dBi，每超過3 dBi，最大傳導輸出功率限制值應降低1 dB。

(B) 天線以多向波束發射方式(含同時發射或循序發射)將訊號導向多個接收機或接收機群組時，應符合下列規定：

(a) 非同時發射多向波束者，所有載波或頻道傳輸至所有天線陣列或陣列群之總和傳導輸出功率應符合3.10.1.2 之功率限制值。如天線/天線陣列群之方向性增益超過6 dBi，每超過3 dBi，總和傳導輸出功率限制值應降低1 dB。方向性增益值應計算如下：

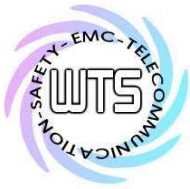
(i) 方向性增益值= $10\log(\text{天線陣列之單元數目}) + \text{各單元中最高之方向性增益值}$ 。

(ii) 天線陣列間之遮蔽效應或波束干涉損失能充分佐證時，方向性增益得低於(i)計算數值。

(b) 同時發射多向波束於相同或不同頻道者，其每一波束功率應符合(a)之功率限制值。如發射波束有重疊現象，功率應降低，以確保總和傳導輸出功率符合(a)之限制值。同時發射的所有波束總和傳導輸出功率不大於(a) 總和傳導輸出功率限制值加8 dB。方向性增益值計算同(a)。

(c) 發射機之天線具備單向波束功能者，應符合(1)(A)及(3)後段之規定。

(3) 除(1)及(2)外，使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率限制值。



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(4) 頻帶邊緣之要求

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.5節之規定，帶外發射限制：操作頻帶範圍外之任意100 kHz 內，發射機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 kHz 內的射頻功率，其衰減值限制如下：

- (1) 輸出功率以附件二之峰值輸出功率方式測量者，至少須衰減20 dB，可使用射頻傳導或輻射方式測量。
- (2) 輸出功率以3.10.1.2(1)(C)之最大傳導輸出功率測量方式者，至少須衰減30 dB。

此外，落於2.7 禁用頻段之輻射發射，應符合2.8 之規定。

(5) 發射限制之規定

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.5節之規定，帶外發射限制：操作頻帶範圍外之任意100 kHz 內，發射機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 kHz 內的射頻功率，其衰減值限制如下：

- (1) 輸出功率以附件二之峰值輸出功率方式測量者，至少須衰減20 dB，可使用射頻傳導或輻射方式測量。
- (2) 輸出功率以3.10.1.2(1)(C)之最大傳導輸出功率測量方式者，至少須衰減30 dB。

此外，落於2.7 禁用頻段之輻射發射，應符合2.8 之規定。

(6) 頻寬之要求

依據國家通訊傳播委員會低功率射頻電機技術規範 3.10.1.6(2)(A)節規定：6dB之頻寬至少應有500 kHz。

(7) 功率密度之要求

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.6.(2)(B)節規定：在使用頻率範圍之任一3 kHz 頻寬內，由發射機傳導至天線之功率頻譜密度在任意傳輸期間內，皆小於或等於8 毫分貝(dBm)，且應依3.10.1.3 之方式降低功率頻譜密度限制值。

2.2 限制使用之頻帶

1. 依據國家通訊傳播委員會低功率射頻電機技術規範2.7節：任何低功率射頻電機之主波皆不使用下表所列各頻帶內之頻率；低功率射頻電機落於下表所列頻帶內之混附發射，其場強度必須符合國家通訊傳播委員會低功率射頻電機技術規範2.8節的限制規定。

頻率(MHz)	頻率(MHz)	頻率(MHz)
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	



2. 依據國家通訊傳播委員會低功率射頻電機技術規範 2.8節規定，除國家通訊傳播委員會低功率射頻電機技術規範各章節另有放寬規定者外，其電場強度不得超過下表之限值，且其不必要之發射皆不得大於主波發射強度。各頻段重疊處，以較嚴格之限制值為準。

頻率(兆赫)	電場強度(微伏/公尺)	測距 (公尺)
0.009 - 0.490 (含)	2,400/頻率(千赫)	300
0.490 (不含) - 1.705 (含)	24,000/頻率(千赫)	30
1.705 (不含) - 30 (不含)	30	30
30 (含) - 88 (含)	100	3
88 (不含) - 216 (含)	150	3
216 (不含) - 960 (含)	200	3
960 (不含) 以上	500	3

Document Name	Uncertainty
傳導量測不確定度評估結果 Estimation Result of Uncertainty of Conducted Emission	Expanded Uncertainty : AMN : 1.30 dB Voltage probe : 1.36 dB
輻射量測不確定度評估結果(3M) Estimation Result of Uncertainty of Radiated Emission	Expanded Uncertainty : 0.009-30 MHz : 2.02 dB 30-1000 MHz : 3.49 dB 1-18 GHz : 3.01 dB 18-40 GHz : 2.43 dB
輻射量測不確定度評估結果(10M) Estimation Result of Uncertainty of Radiated Emission	Expanded Uncertainty : 0.009-30MHz : 2.05 dB 30-1000 MHz : 3.37 dB
頻寬量測不確定度評估結果 Estimation Result of Uncertainty of Bandwidth Measurement	Expanded Uncertainty : 0.45 kHz
傳導輸出功率量測不確定度評估結果 Estimation Result of Uncertainty of Conducted Output Power Measurement	Expanded Uncertainty : 1.72 dB
峰值功率密度量測不確定度評估結果 Estimation Result of Uncertainty of Power Density Measurement	Expanded Uncertainty : 1.73 dB
頻帶邊緣量測不確定度評估結果 Estimation Result of Uncertainty of Band Edge Measurement	Expanded Uncertainty : 0.98 dBc

決定規則為: 量測不確定度不納入考量。

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3 測試條件說明

3.1 受測物操作說明

此受測物為Bluetooth及ANT+傳輸設備，因此在本測試報告之測試結果分為Low Energy Mode (Mode1)及ANT+(Mode 2)兩種操作模式，頻率為2.4~2.4835GHz。

本測試執行所使用之軟體由客戶提供。

步驟1. 開啟模組進入RF測試模式。

步驟2. 開啟工程軟體設定發射。

3.2 受測系統說明

3.2.1 受測系統之相關設備

輻射電場測試系統_Mode 1 ~ Mode 2

項目	設備名稱	製造商	型號	檢磁號碼	序號
1	*Stages Power Meter, Left/Stages Power Meter, Right	Foundation Fitness LLC	SPM2A	N/A	N/A

*為欲申請之受測物。

3.2.2 受測系統之相關纜線

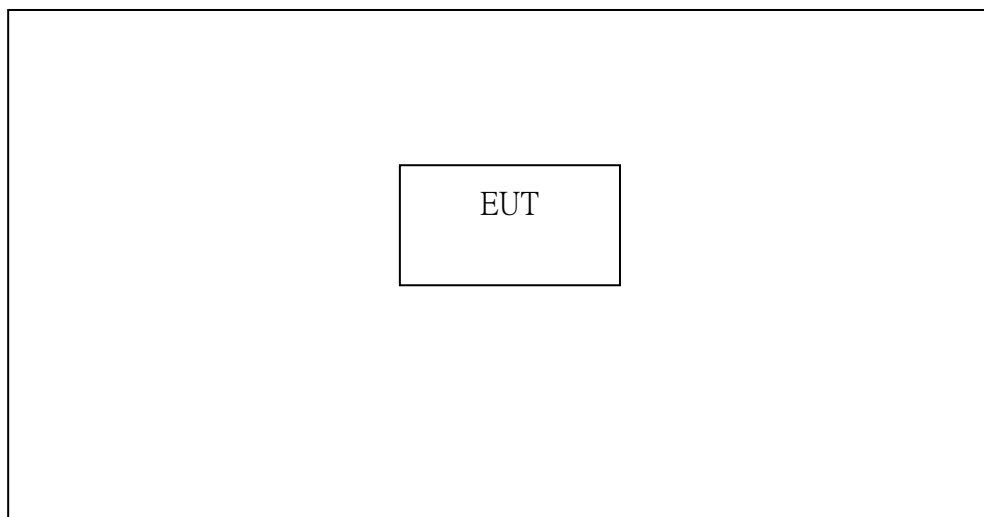
輻射電場測試系統

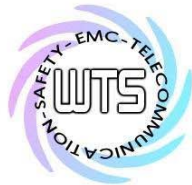
無受測相關纜線。

3.3 受測系統連接圖

圖(一) 輻射擾動測試系統組成示意圖

Mode 1 ~ Mode 2





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4 測試儀器設備

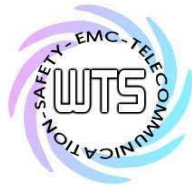
No.	Test equipment	Type	Serial No.	Manufacturer	Cal. Date	Next Cal. Date
ETSTW-CE 001	EMI TEST RECEIVER	ESHS10	842121/013	R&S	2019/6/4	2020/6/3
ETSTW-CE 003	AC POWER SOURCE	APS-9102	D161137	GW	Function Test	
ETSTW-CE 004	ZWEILEITER-V-NETZNACHBILDUNG TWO-LINE V-NETWORK	ESH3-Z5	840731/011	R&S	2018/11/1	2019/10/31
ETSTW-CE 006	IMPULSBEGRENZER PULSE LIMITER	ESH3-Z2	100226	R&S	2019/9/24	2020/9/23
ETSTW-CE 009	TEMP.&HUMIDITY CHAMBER	GTH-225-40-1P-U	MAA0305-009	GIANT FORCE	2019/7/23	2020/7/22
ETSTW-CE 016	TWO-LINE V-NETWORK	ENV216	100050	R&S	2019/10/3	2020/10/2
ETSTW-CE 028	MXE EMI Receiver	N9038A	MY53220110	Agilent	2019/7/18	2020/7/17
ETSTW-RE 003	EMI TEST RECEIVER	ESI 26	831438/001	R&S	2019/6/4	2020/6/3
ETSTW-RE 004	EMI TEST RECEIVER	ESI 40	832427/004	R&S	2019/5/29	2020/5/28
ETSTW-RE 012	TUNABLE BANDREJECT FILTER	D.C 0309	146	K&L	Function Test	
ETSTW-RE 013	TUNABLE BANDREJECT FILTER	D.C 0336	397	K&L	Function Test	
ETSTW-RE 018	MICROWAVE HORN ANTENNA	AT4560	27212	AR	2019/7/25	2020/7/24
ETSTW-RE 019	MICROWAVE HORN ANTENNA	22240-25	121074	FM	2019/5/3	2020/5/2
ETSTW-RE 027	Passive Loop Antenna	6512	00034563	ETS-Lindgren	2019/7/22	2020/7/21
ETSTW-RE 030	Double-Ridged Guide Horn Antenna	3117	00035224	ETS-Lindgren	2019/4/2	2020/4/1
ETSTW-RE 042	Biconical Antenna	HK116	100172	R&S	2019/1/29	2020/1/28
ETSTW-RE 043	Log-Periodic Dipole Antenna	HL223	100166	R&S	2019/4/23	2020/4/22
ETSTW-RE 044	Log-Periodic Antenna	HL050	100094	R&S	2019/5/13	2020/5/12
ETSTW-RE 045	ESA-E SERIES SPECTRUM ANALYZER	E4404B	MY45111242	Agilent	Pre-test Use NCR	
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2019/2/27	2020/2/26
ETSTW-RE 051	Attenuator 6dB	50HF-006-1	None	JFW	2019/2/27	2020/2/26
ETSTW-RE 053	Attenuator 3dB	50HF-003-1	None	JFW	2019/2/27	2020/2/26
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2019/3/5	2020/3/4
ETSTW-RE 060	Attenuator 30dB	5015-30	F651012z-01	ATM	2019/2/27	2020/2/26
ETSTW-RE 061	Amplifier Module	CHC 1	None	ETS	2019/5/14	2020/5/13
ETSTW-RE 062	Amplifier Module	CHC 2	None	KMIC	2019/5/16	2020/5/15
ETSTW-RE 064	Bluetooth Test Set	MT8852B-042	6K00005709	Anritsu	Function Test	
ETSTW-RE 065	Amplifier	AMF-6F-18002650-25-10P	941608	MITEQ	2019/3/29	2020/3/28
ETSTW-RE 069	Double-Ridged Guide Horn Antenna	3117	00069377	ETS-Lindgren	Function Test	
ETSTW-RE 072	CELL SITE TEST SET	8921A	3339A00375	HP	2019/9/23	2020/9/22
ETSTW-RE 073	Power Meter	N1911A	MY45100769	Agilent	2019/1/24	2020/1/23
ETSTW-RE 074	Power Sensor	N1921A	MY45241198	Agilent	2019/1/24	2020/1/23
ETSTW-RE 088	SOLID STATE AMPLIFIER	KMA180265A01	99057	KMIC	2019/9/18	2020/9/17
ETSTW-RE 096	SIGNAL GENERATOR	SMIQ 03B	102274	R&S	2019/6/14	2020/6/13



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ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2019/2/22	2020/2/21
ETSTW-RE 112	AC POWER SOURCE	TFC-1005	T-0A023536	T-Power	Function test	
ETSTW-RE 115	2.4GHz Notch Filter	N0124411	473874	MICROWAVE CIRCUITS	2019/1/14	2020/1/13
ETSTW-RE 120	RF Player	MP9200	MP9210-111022	ADIVIC	Function Test	
ETSTW-RE 122	SIGNAL GENERATOR	SMF100A	102149	R&S	2019/6/3	2020/6/2
ETSTW-RE 125	5GHz Notch filter	5NSL11-5200/E221.3-O/O	1	K&L Microwave	2019/8/8	2020/8/7
ETSTW-RE 126	5GHz Notch filter	5NSL12-5800/E221.3-O/O	1	K&L Microwave	2019/8/8	2020/8/7
ETSTW-RE 127	RF Switch Box	RFS-01	None	WTS	2019/2/26	2020/2/25
ETSTW-RE 128	5.3GHz Notch filter	N0153001	SN487233	Microwave Circuits	2019/8/8	2020/8/7
ETSTW-RE 129	5.5GHz Notch filter	N0555984	SN487234	Microwave Circuits	2019/8/8	2020/8/7
ETSTW-RE 142	Amplifier	8447D	2805A03378	Agilent	2019/5/16	2020/5/15
ETSTW-RE 147	Bi-log Hybrid Antenna	MCTD 2786B	BLB16M04005	ETC	2019/4/2	2020/4/1
ETSTW-RS 009	SIGNAL GENERATOR	8648C	3642U01656	HP	2019/1/24	2020/1/23
ETSTW-GSM 002	Universal Radio Communication Tester	CMU 200	109439	R&S	2019/3/5	2020/3/4
ETSTW-GSM 003	Radio Communication Analyzer	MT8820C	6201342073	Anritsu	2019/3/26	2020/3/25
ETSTW-GSM 004	Wideband Radio Communication Tester	CMW500	128092	R&S	2019/10/18	2020/10/17
ETSTW-GSM 005	Dynamic Signal Acquisition USB 2.0 Module	USB-2405	0050	ADLINK	Function Test	
ETSTW-GSM 006	ICPR Accelerometer	352C65	LW216621	PCB PIEZOTRONICS	2019/9/24	2020/9/23
ETSTW-GSM 007	Free-Field Array Microphone	40PH	222391	G.R.A.S.	2019/9/16	2020/9/15
ETSTW-GSM 023	Power Divider	4901.19.A	None	SUHNER	2019/9/12	2020/9/11
ETSTW-GSM 024	Radio Communication Analyzer	MT8821C	None	Anritsu	2019/3/5	2020/3/4
ETSTW-GSM 025	Band Reject Filter	BRM19835	001	Micro-Tronics	2019/8/9	2020/8/8
ETSTW-Cable 002	Microwave Cable	SUCOFLEX 104 (S Cable 7)	238093	HUBER+SUHNER	2019/5/14	2020/5/13
ETSTW-Cable 003	Microwave Cable	SUCOFLEX 104 (S Cable 11)	209953	HUBER+SUHNER	2019/5/14	2020/5/13
ETSTW-Cable 011	SMA to N type Cable	RGU-400	None	THERMAX	Pre-test Use NCR	
ETSTW-Cable 020	N TYPE Cable	OATS Cable 1	N30N30-L335-15M	JYE BAO CO.,LTD.	2019/7/2	2020/7/1
ETSTW-Cable 026	Microwave Cable	SUCOFLEX 104	279075	HUBER+SUHNER	2019/2/25	2020/2/24
ETSTW-Cable 027	Microwave Cable	SUCOFLEX 104	279083	HUBER+SUHNER	2019/5/14	2020/5/13
ETSTW-Cable 028	Microwave Cable	FA147A0015M2020	30064-2	UTIFLEX	2019/9/18	2020/9/17
ETSTW-Cable 029	Microwave Cable	FA147A0015M2020	30064-3	UTIFLEX	2019/9/18	2020/9/17
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S Cable 9)	279067	HUBER+SUHNER	2019/2/25	2020/2/24
ETSTW-Cable 039	Microwave Cable	SUCOFLEX 104	316739	HUBER+SUHNER	2019/5/14	2020/5/13
ETSTW-Cable 043	Microwave Cable	SUCOFLEX 104	317576	HUBER+SUHNER	2019/5/16	2020/5/15
ETSTW-Cable 064	Microwave Cable	SUCOFLEX 104	MY28891	HUBER+SUHNER	2019/5/16	2020/5/15
ETSTW-Cable 066	SMA type cable	32022	None	ASTROLAB	2019/9/24	2020/9/23
ETSTW-Cable 072	SMA type cable (8m)	SUCOFLEX 104	805800/4	HUBER+SUHNER	2019/5/16	2020/5/15
ETSTW-Cable 074	SMA type cable (2m)	SUCOFLEX 104	802563/4	HUBER+SUHNER	2019/5/16	2020/5/15



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WTSTW-SW 002	EMI TEST SOFTWARE	EZ_EMC	None	Farad	Version ETS-03A1	
WTSTW-SW 005	GSM Fading Level Correction	GSMFadLevCor	None	R&S	Version 1.66	
WTSTW-SW 006	EMI TEST SOFTWARE	e3	None	AUDIX	Version 9.161014	
WTSTW-SW 008	Signal studio	Agilent	None	AUDIX	Version 2.0.0.1	
WTS-SF 060	振動試驗機/ Vibration Tester	VS-100V	0M01	VS	2019/4/29	2020/4/28
ETSTW-TH 001	Thermohygrometer	608-H1	45204316	Testo	2019/9/9	2020/9/8
ETSTW-TH 002	Thermohygrometer	608-H1	45204317	Testo	2019/9/9	2020/9/8

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5 電源線傳導干擾之量測

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 2.3節之規定。

5.2 測試方法

依據量測場地配置圖連接受測物之電源線至 LISN，週邊或支援裝置之電源線連接至另一 LISN。所有 LISN 之電力由同一個交流電源供應。

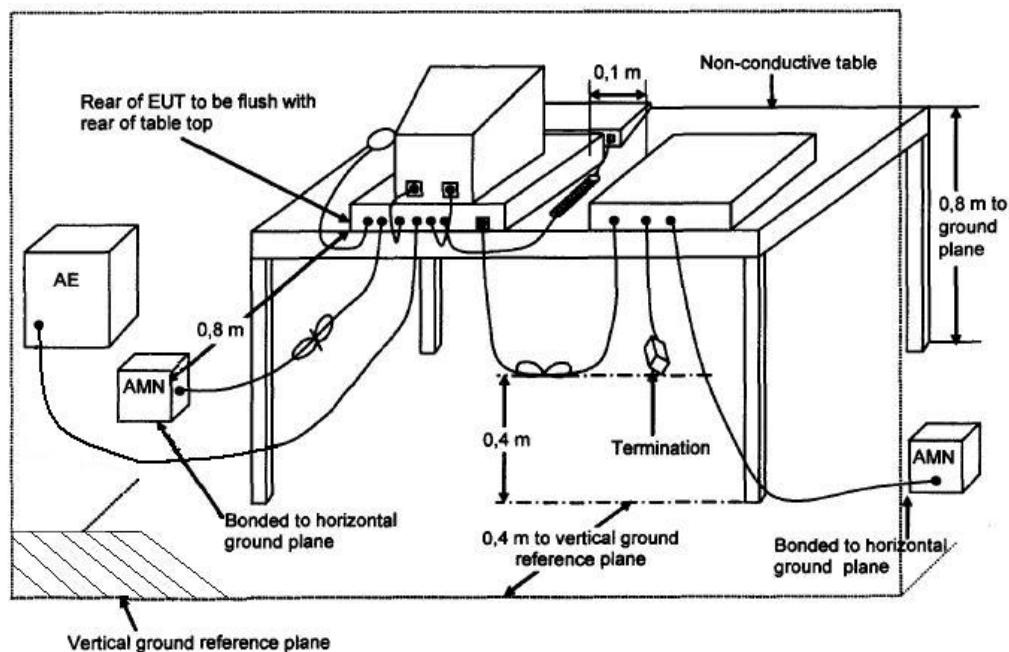
若受測物之電源線長度足以束綁，該束綁之固定須以膠帶或其他不影響測試之非傳導性材質。非受測物之電源線無須束綁，由桌子的後緣垂下沿傳導測試場地的地面接至 LISN。落地型之附件設備的電源線可以任何便利的型態置於接地平面上或絕緣物上。週邊設備之電源線不可垂過 LISN 的上端。使用長度合宜之同軸電纜將測量儀器連接至供應電流至受測物之 LISN 的 RF 埠，其他未連接之 RF 埠以 50Ω 電阻終結。

使用頻譜分析儀或其他可提供頻譜顯示之儀器以進行交流電力線傳導初步測試，以決定須作最終測試的頻率點。

再使用下表指定之檢波器功能針對初測所得的頻率點進行單點詳測，以決定最終的測試結果。

頻率 (kHz)	儀器型態	檢波器功能	RBW(6dB)
150 - 30000	EMI Test Receiver	QP/AV	10 kHz

5.3 測試配置



備註：實際測試配置照片，請參考附件。

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5.4 傳導干擾之量測結果

Model:	SPM2A	Date:	--					
Mode:	--	Temperature:	--	°C	Engineer:	--		
Polarization:	--	Humidity:	--	%				
Frequency (MHz)	Reading (dBuV) QP Ave.		Factor (dB) Corr.	Result (dBuV) QP Ave.		Limit (dBuV) QP Ave.		Margin (dB)
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--

Polarization:	--							
Frequency (MHz)	Reading (dBuV) QP Ave.		Factor (dB) Corr.	Result (dBuV) QP Ave.		Limit (dBuV) QP Ave.		Margin (dB)
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--

備註：

1. 本報告之測試數據，皆經初測評估，以鑑定最差之測試模式狀態。
2. 傳導干擾電壓量測之儀器設備: ETSTW-CE 001、ETSTW-CE 016、ETSTW-RE 045。
3. 此待測物使用電池供電，故此測項免測。

5.5 干擾值之計算

電源傳導干擾電壓之計算公式如下：

結果值 = 儀器讀值 + 校正因子

其中校正因子為：饋線損失 + 電源阻抗模擬網路損失

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5.6 傳導干擾之限制值

依據國家通訊傳播委員會低功率射頻電機技術規範 2.3 節之規定：以市電為電源之低功率射頻電機，其傳導回電源線上頻率自 150 千赫(kHz)至 30 兆赫(MHz)之射頻電壓(在電源端子每一電源線對接地點)不得超過下表所列之限值。測量時應經過 50 微亨利(μ H)及 50 歐姆(Ω)之電源線阻抗模擬網路(LISN)。頻率重疊處，以較低限值為準。

頻率(MHz)	傳導限制值(dBuV)	
	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。

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6 峰值傳導功率之量測

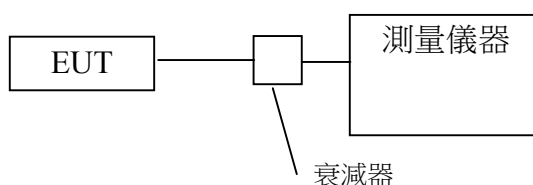
6.1 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.2 (1)節之規定。

6.2 測試方法

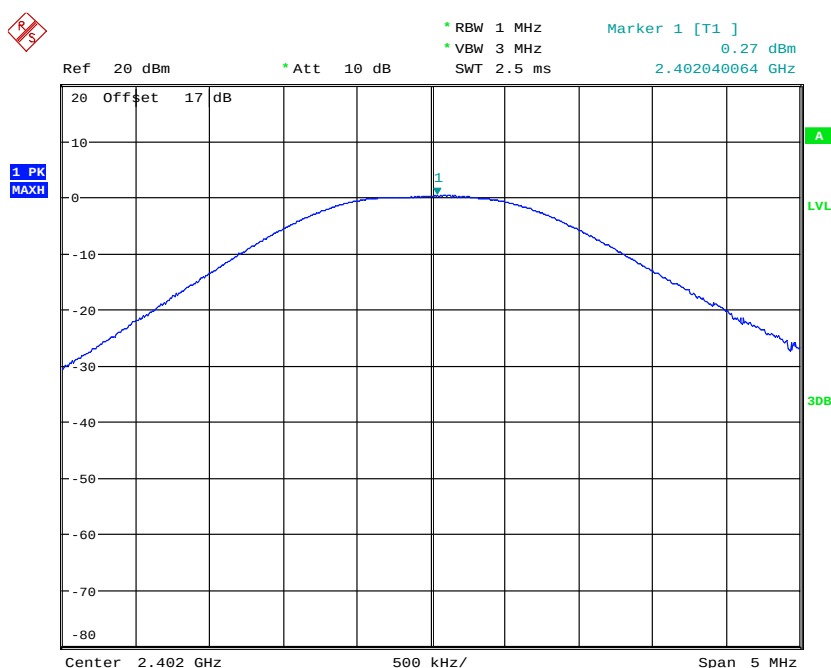
此為RF傳導測試，將發射機之天線埠經由適當之衰減直接連至測試儀器。設定儀器之解析頻寬大於6 dB發射頻寬或使用峰值功率表。

6.3 峰值傳導輸出功率之測試配置



6.4 峰值傳導輸出功率之量測結果

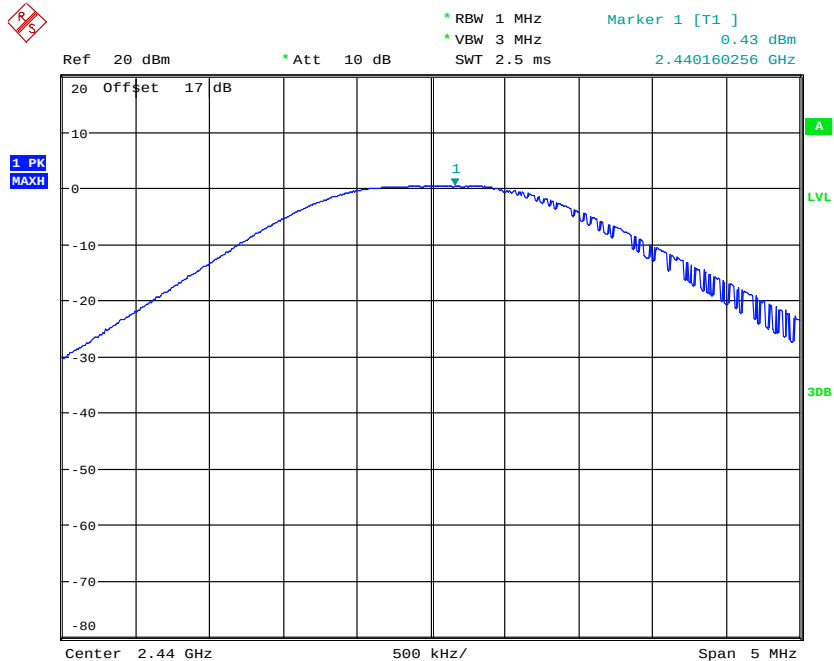
BLE



MAX OUTPUT POWER BT4.0 CH00
Date: 2.NOV.2017 11:03:13

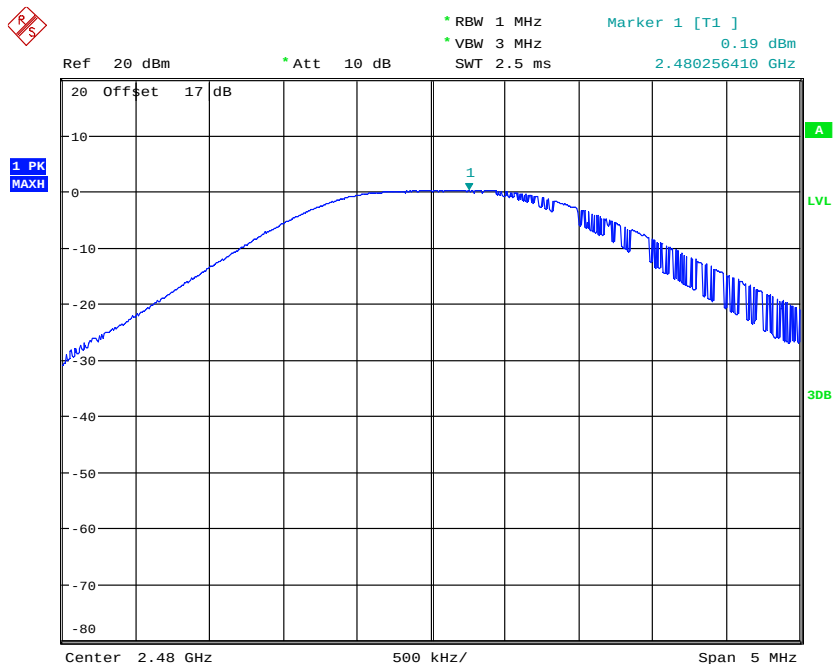


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MAX OUTPUT POWER BT4.0 CH19

Date: 2.NOV.2017 11:04:05

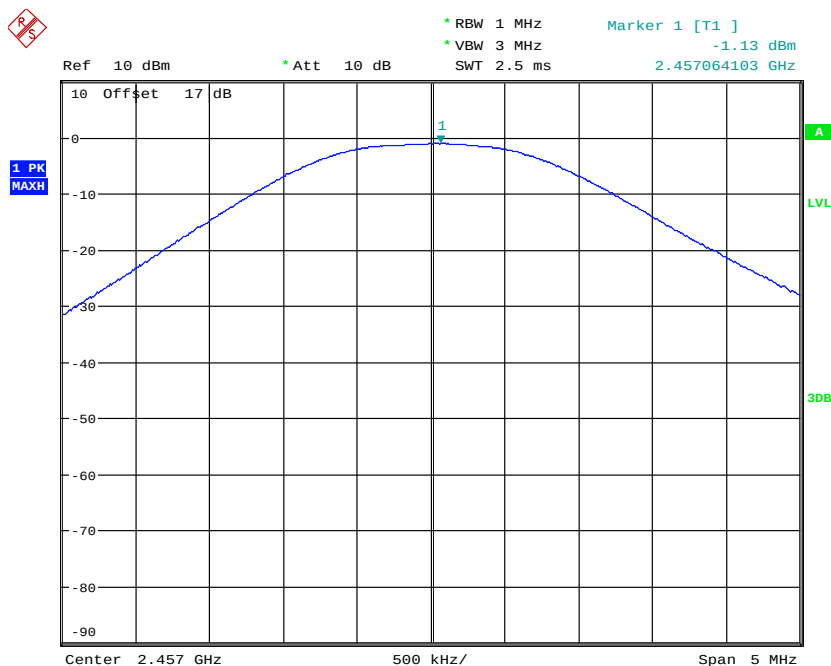


MAX OUTPUT POWER BT4.0 CH39

Date: 2.NOV.2017 11:04:51

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ANT+



MAX OUTPUT POWER ANT+ 2457MHz

Date: 6.NOV.2017 19:02:09

備註：

輸出功率量測之儀器設備: ETSTW-RE 055、ETSTW-RE 050。

6.5 峰值傳導輸出功率之限制值

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.2 (1)節之規定，

(1) 操作於2400 MHz～2483.5 MHz 者

(A) 至少使用75 個跳頻頻道之跳頻系統：1 W(含)以下。

(B) 除(A)外，依 3.10.1.6 (1)(A)(a)之跳頻系統：0.125 W(含)以下。

(C) 數位調變技術系統：1 W(含) 以下。

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7 天線增益之要求

7.1 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 3.10.1.3 (1)(3)節之規定:

(1) 操作於2400 MHz~2483.5 MHz 頻段：

- (A) 進行固定式點對點操作時，其發射天線之方向性增益超過6 dBi，每超過3 dBi，最大傳導輸出功率限制值應降低1 dB。
- (B) 天線以多向波束發射方式(含同時發射或循序發射)將訊號導向多個接收機或接收機群組時，應符合下列規定：
 - (a) 非同時發射多向波束者，所有載波或頻道傳輸至所有天線陣列或陣列群之總和傳導輸出功率應符合3.10.1.2 之功率限制值。如天線/天線陣列群之方向性增益超過6 dBi，每超過3 dBi，總和傳導輸出功率限制值應降低1 dB。方向性增益值應計算如下：
 - (i) 方向性增益值= $10\log(\text{天線陣列之單元數目}) + \text{各單元中最高之方向性增益值}$ 。
 - (ii) 天線陣列間之遮蔽效應或波束干涉損失能充分佐證時，方向性增益得低於(i)計算數值。
 - (b) 同時發射多向波束於相同或不同頻道者，其每一波束功率應符合(a)之功率限制值。如發射波束有重疊現象，功率應降低，以確保總和傳導輸出功率符合(a)之限制值。同時發射的所有波束總和傳導輸出功率不大於(a) 總和傳導輸出功率限制值加8 dB。方向性增益值計算同(a)。
 - (c) 發射機之天線具備單向波束功能者，應符合(1)(A)及(3)後段之規定。

(3) 除(1)及(2)外，使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率限制值。

7.2 天線增益

此產品使用Ceramic Chip Antenna, gain: 2.2 dBi；天線廠牌: Pulse Electronics；
天線型號: W3008C。

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8 頻帶邊緣

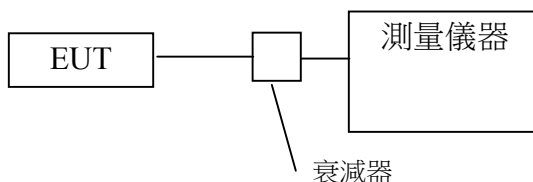
8.1 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.5節及 2.7、2.8節之規定。

8.2 測試方法

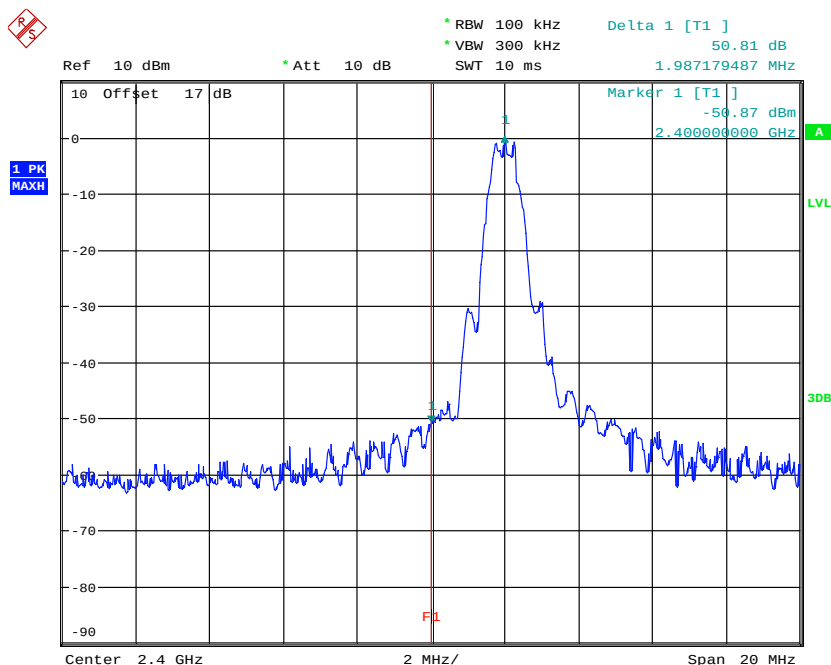
設定解析頻寬為100kHz，視訊頻寬大於解析頻寬，所有頻帶邊緣之發射必須比許可頻段中之最高發射至少低 20/30dB。

8.3 開放頻帶邊緣之測試配置



8.4 開放頻帶邊緣之量測結果

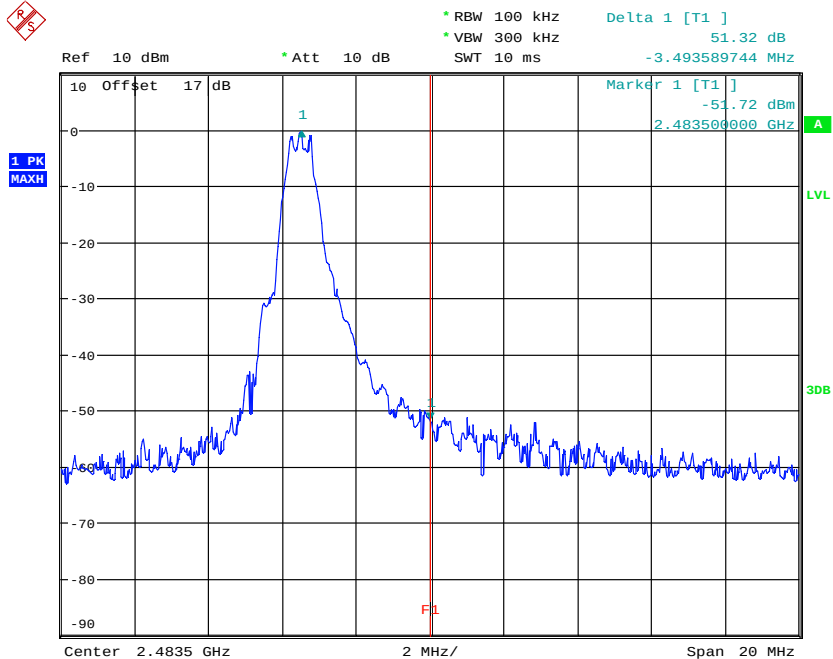
BLE



BANDEDGE BT4.0 CH00
Date: 2.NOV.2017 11:03:45



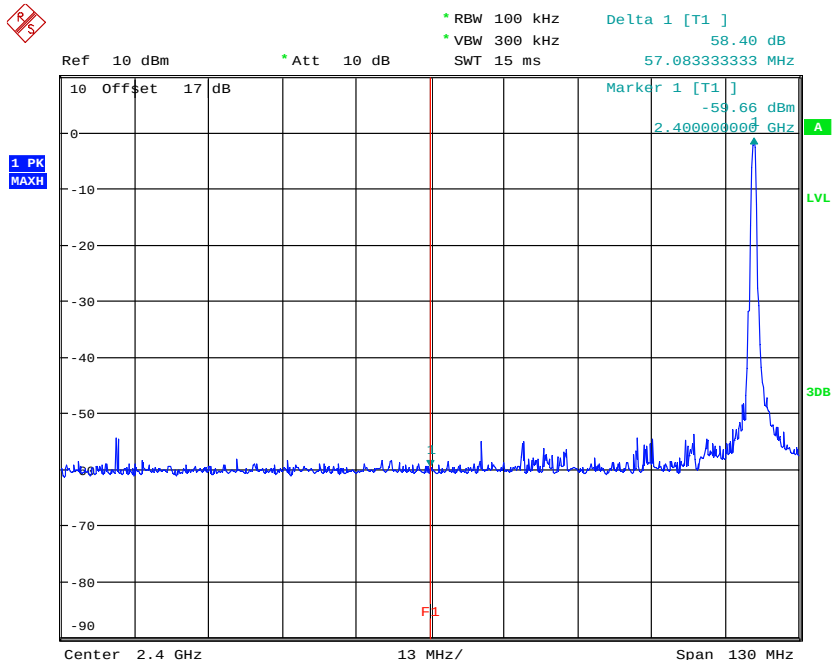
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BANDEDGE BT4.0 CH39

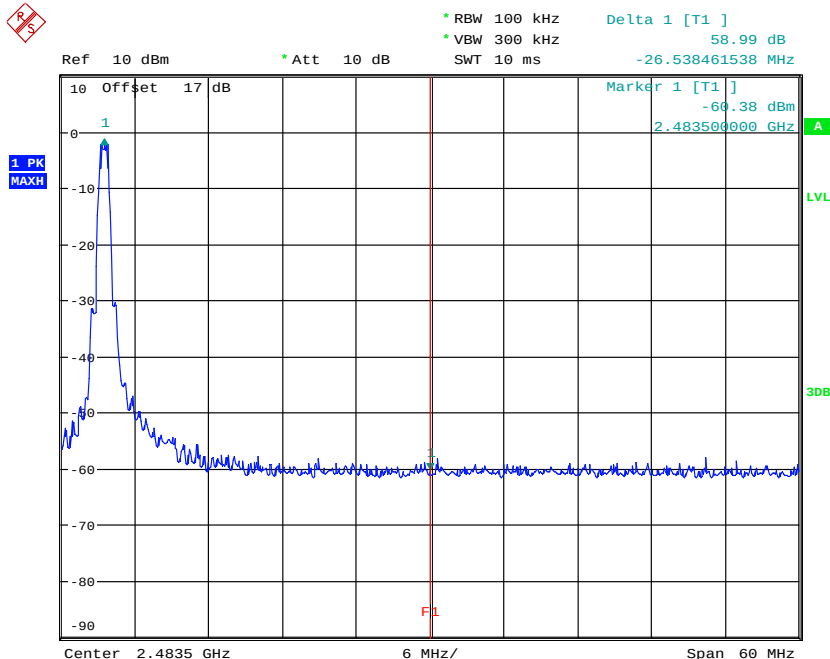
Date: 2.NOV.2017 11:05:23

ANT+



BANDEDGE ANT+ 2457MHz

Date: 6.NOV.2017 19:06:37



BANDEDGE ANT+ 2457MHz

Date: 6.NOV.2017 19:07:49

備註：

頻帶邊緣量測儀器設備: ETSTW-RE 055、ETSTW-RE 050。

8.5 開放頻帶邊緣之限制值

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.5節之規定，帶外發射限制：操作頻帶範圍外之任意100 kHz 內，發射機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 kHz 內的射頻功率，其衰減值限制如下：

(1) 輸出功率以附件二之峰值輸出功率方式測量者，至少須衰減20 dB，可使用射頻傳導或輻射方式測量。

(2) 輸出功率以3.10.1.2(1)(C)之最大傳導輸出功率測量方式者，至少須衰減30 dB。

此外，落於 2.7 禁用頻段之輻射發射，應符合 2.8 之規定。



9 場強輻射之量測

9.1 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 3.10.1.5 節及 2.7、2.8 節之規定。

9.2 測試方法

依據量測場地配置圖連接受測物，受測物若使用交流電源，將其與任何配件設備之電源線連接至位於旋轉桌的交流電源。

受測物若使用電池，測試時應裝置新電池或充電完全的電池。

受測物與配件設備之電源線無須束綁，桌面上受測設備的所有電源線由桌子的後緣垂下沿旋轉桌表面接至交流插座。落地型設備的交流電源線可以方便的型態走線。

先在電波暗室中，使用頻譜分析儀或其他可提供頻譜顯示之儀器，設定峰值檢波器功能進行輻射初步測試以決定須作最終測試的頻率點。頻率範圍可依據測量天線的標稱頻率範圍以分段或全段掃描。但不使用視訊濾波。

最後在開放式輻射測試場地，比照初測所決定的測試組態與配置，使用下表指定之檢波器功能針對初測所得的頻率點進行單點詳測，受測物 360 度旋轉找出最大輻射方位，再使測試天線 1 至 4 米掃描，以決定最終的測試結果。

頻率 (MHz)	儀器型態	功能	RBW(6dB)	VBW
30 到 1000	RF Test Receiver	Quasi-Peak	120 kHz	N/A
	Spectrum Analyzer	Peak	100 kHz	100 kHz
1000以上	Spectrum Analyzer	Peak	1 MHz	1 MHz
	Spectrum Analyzer	Average	1 MHz	10 Hz

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9.3 場強輻射之測試配置

圖 1：量測頻率低於 1GHz 之測試配置

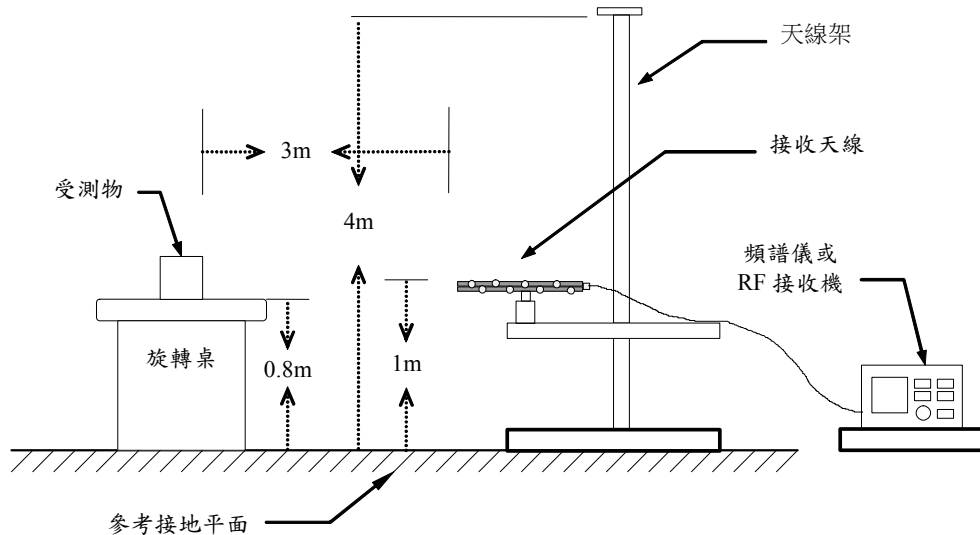
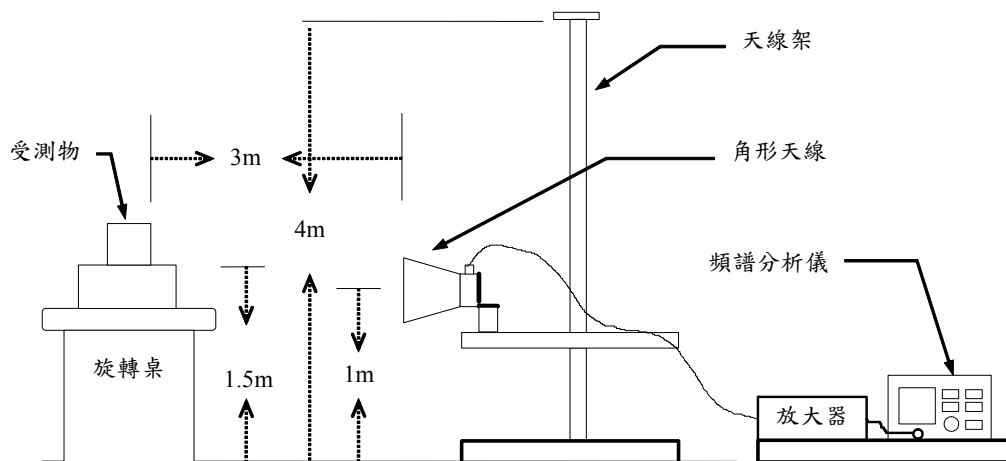


圖 2：量測頻率高於 1GHz 之測試配置



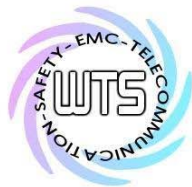
9.4 場強度之計算

場強之計算公式如下：

結果值 = 讀值 + 校正因子

其中校正因子為：

天線因子 + 饋線損失 + 濾波器損失（若有使用） - 放大器增益（若有使用）



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9.5 場強輻射之量測結果

Model: SPM2A

Date: --

Mode: --

Temperature: --

Engineer: --

Polarization: Horizontal

Humidity: -- %

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result (dBuV/m)		Limit (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--

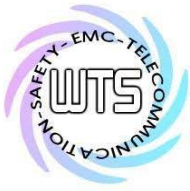
Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result (dBuV/m)		Limit (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--

備註：

1. 若以峰值檢測功能測量之值符合平均值限制值（即餘裕度乃量測之準峰值相對於平均值限制值），則可視同以平均值功能測量之值亦符合平均值限制值，在此以標記“--”表之。
2. 繪圖資料請參考附件。
3. 場強輻射量測儀器設備: ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 111, ETSTW-RE 018、ETSTW-RE 088。



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9.6 場強輻射之限制值

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.5節之規定，帶外發射限制：操作頻帶範圍外之任意100 kHz 內，發射機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 kHz 內的射頻功率，其衰減值限制如下：

(1) 輸出功率以附件二之峰值輸出功率方式測量者，至少須衰減20 dB，可使用射頻傳導或輻射方式測量。

(2) 輸出功率以3.10.1.2(1)(C)之最大傳導輸出功率測量方式者，至少須衰減30 dB。

此外，落於2.7 禁用頻段之輻射發射，應符合2.8 之規定。

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10 發射頻寬之要求

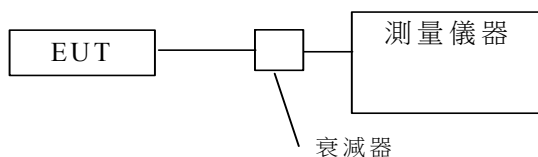
10.1 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.6(2)(A)條規定

10.2 測試方法

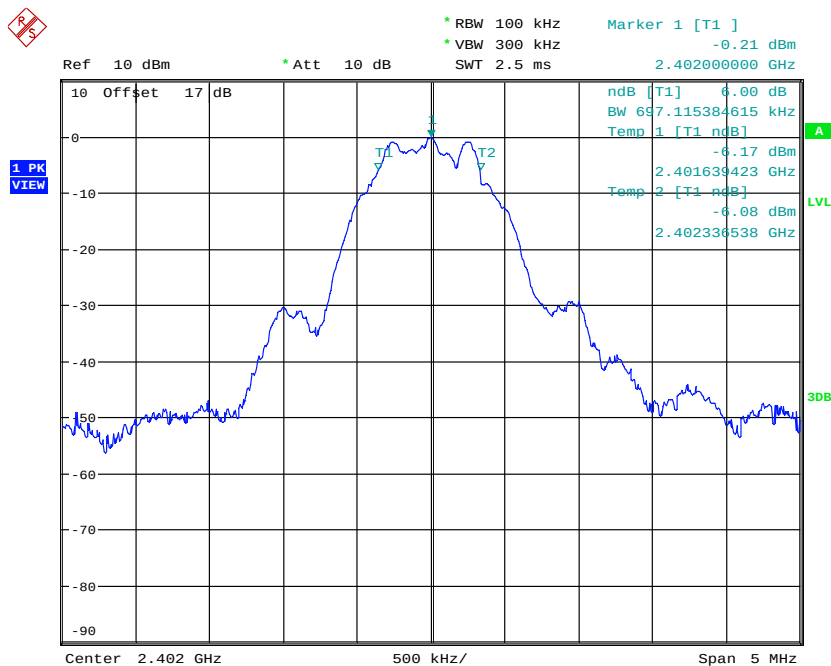
測量時，頻譜分析儀之解析頻寬為 100 kHz，視訊頻寬不小於解析頻寬。為求得精確測量，頻率掃描範圍（Span）遠大於解析頻寬。

10.3 發射頻寬之測試配置

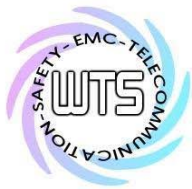


10.4 發射頻寬之量測結果

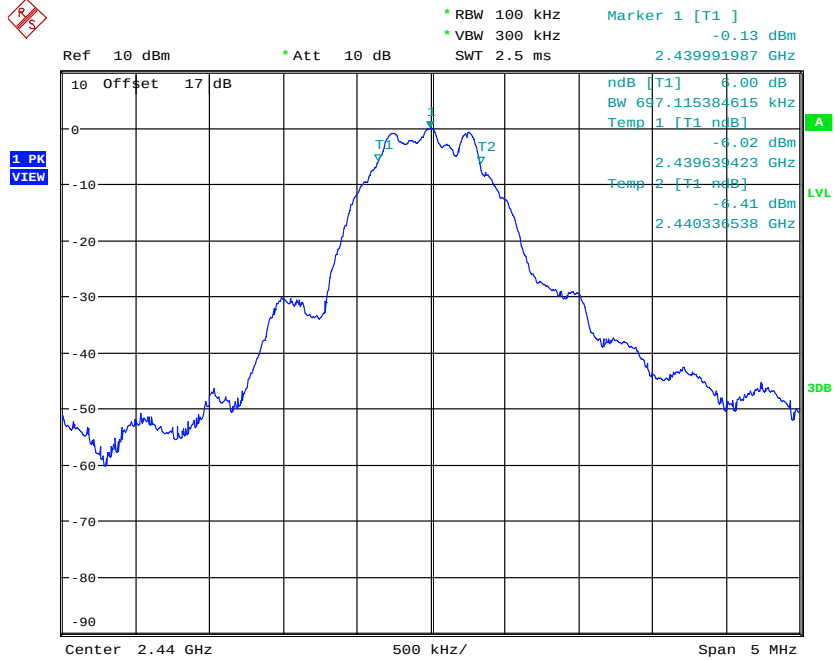
BLE



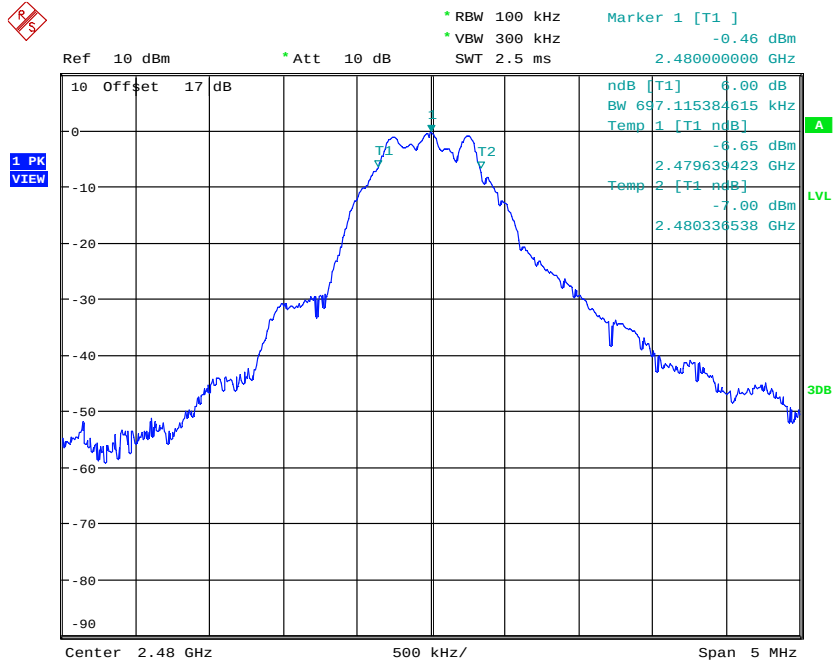
6DB BANDWIDTH BT4.0 CH00
Date: 2.NOV.2017 11:03:25



今慶科技股份有限公司



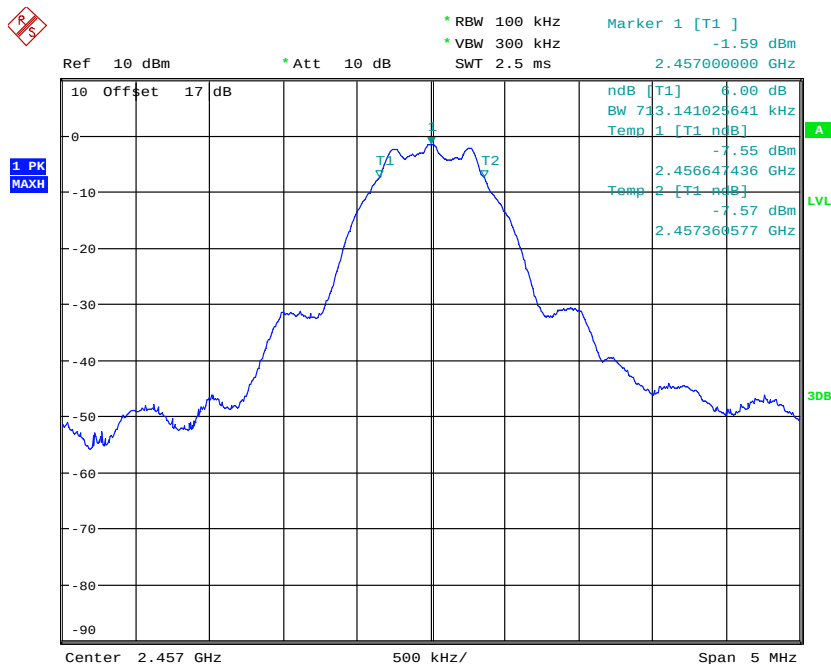
6DB BANDWIDTH BT4.0 CH19
Date: 2.NOV.2017 11:04:17



6DB BANDWIDTH BT4.0 CH39
Date: 2.NOV.2017 11:05:03

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ANT+



6DB BANDWIDTH ANT+ 2457MHZ

Date: 6.NOV.2017 19:03:21

備註：

發射頻寬量測儀器設備: ETSTW-RE 055、ETSTW-RE 050。

10.5 發射頻寬之限制值

依據國家通訊傳播委員會低功率射頻電機技術規範 3.10.1.6(2)(A)節規定：6dB 之頻寬至少應有 500 kHz。

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11 功率密度之量測

11.1 適用標準

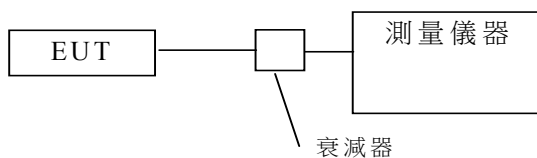
依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.6.(2)(B)條規定

11.2 測試方法

將發射機之天線埠經由適當之衰減直接連至測試儀器。找出發射峰值並擴展於通帶內，設定解析頻寬為 3 kHz，視訊頻寬大於解析頻寬，掃描時間為頻率掃描範圍除以 3 kHz。所測得之峰值位準必須不大於+8dBm。

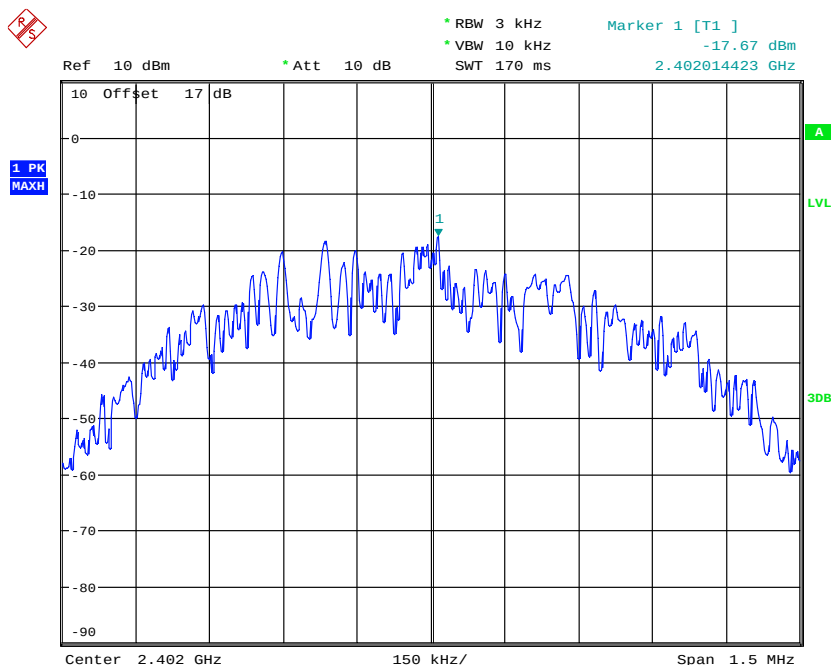
若受測裝置之頻譜線間隔小於 3 kHz，測量時應將解析頻寬降低以使頻譜線間隔大於 3 kHz，所測得之數據再藉加總 3 kHz 頻帶內所有個別頻譜線之功率而標準化至 3 kHz 以決定是否符合規定。

11.3 功率密度之量測配置



11.4 功率密度之量測結果

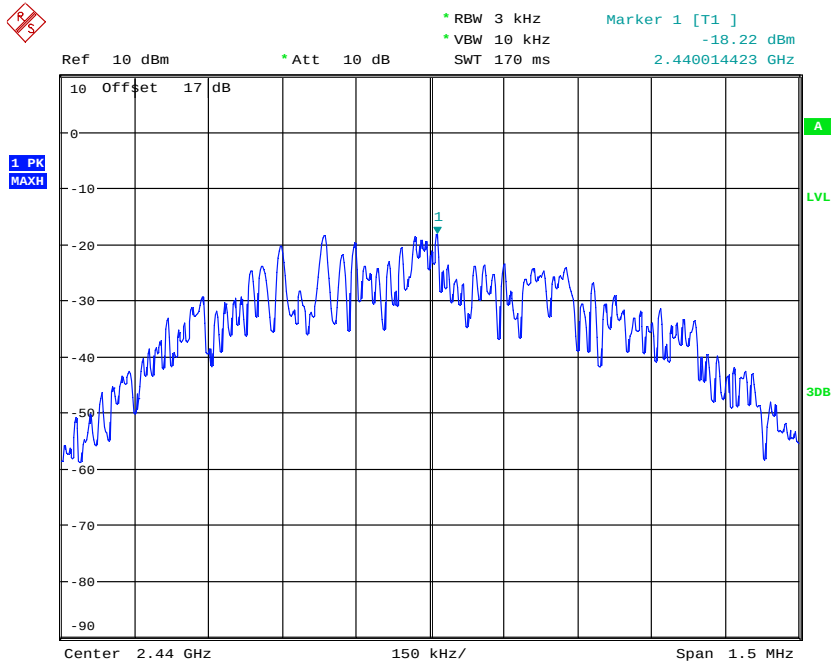
BLE



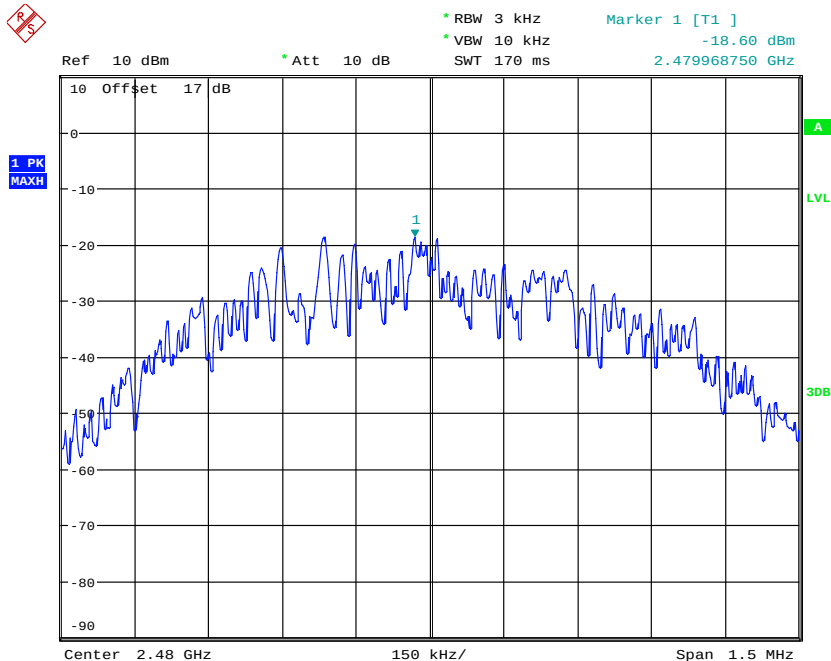
POWER DENSITY BT4.0 CH00
Date: 2.NOV.2017 11:03:37



今慶科技股份有限公司



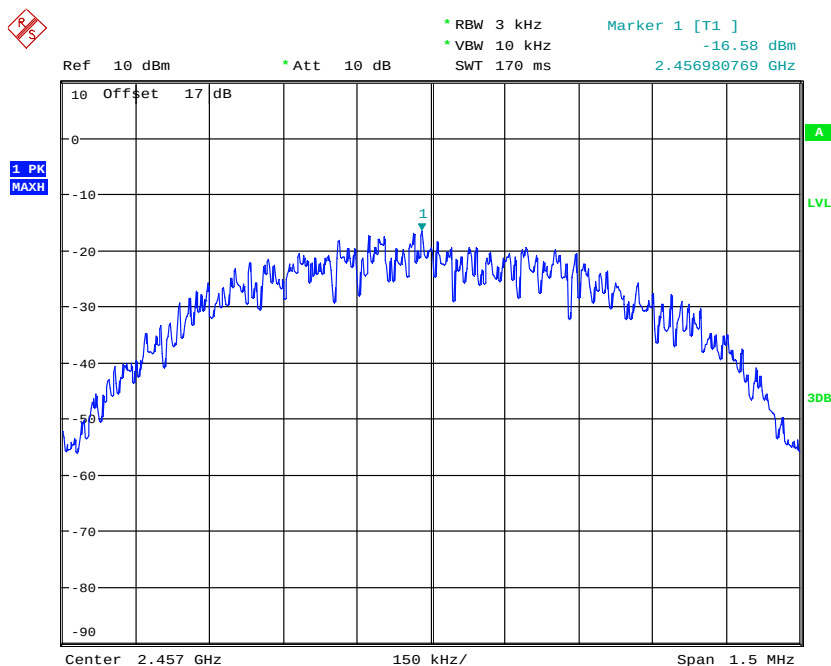
POWER DENSITY BT4.0 CH19
Date: 2.NOV.2017 11:04:30



POWER DENSITY BT4.0 CH39
Date: 2.NOV.2017 11:05:15

今慶科技股份有限公司

ANT+



POWER DENSITY ANT+ 2457MHZ

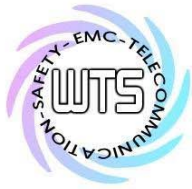
Date: 6.NOV.2017 19:04:34

備註：

功率密度量測儀器設備: ETSTW-RE 055、ETSTW-RE 050。

11.5 功率密度之限制值

依據國家通訊傳播委員會低功率射頻電機技術規範 3.10.1.6.(2)(B)節規定：在使用頻率範圍之任一 3 kHz 頻寬內，由發射機傳導至天線之功率頻譜密度在任意傳輸期間內，皆小於或等於 8 毫分貝(dBm)，且應依 3.10.1.3 之方式降低功率頻譜密度限制值。



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附件

一、受測物照片及實際量測場地配置照

1. 外部照
2. 內部照
3. 場地照

二、量測掃描圖

輻射掃描圖



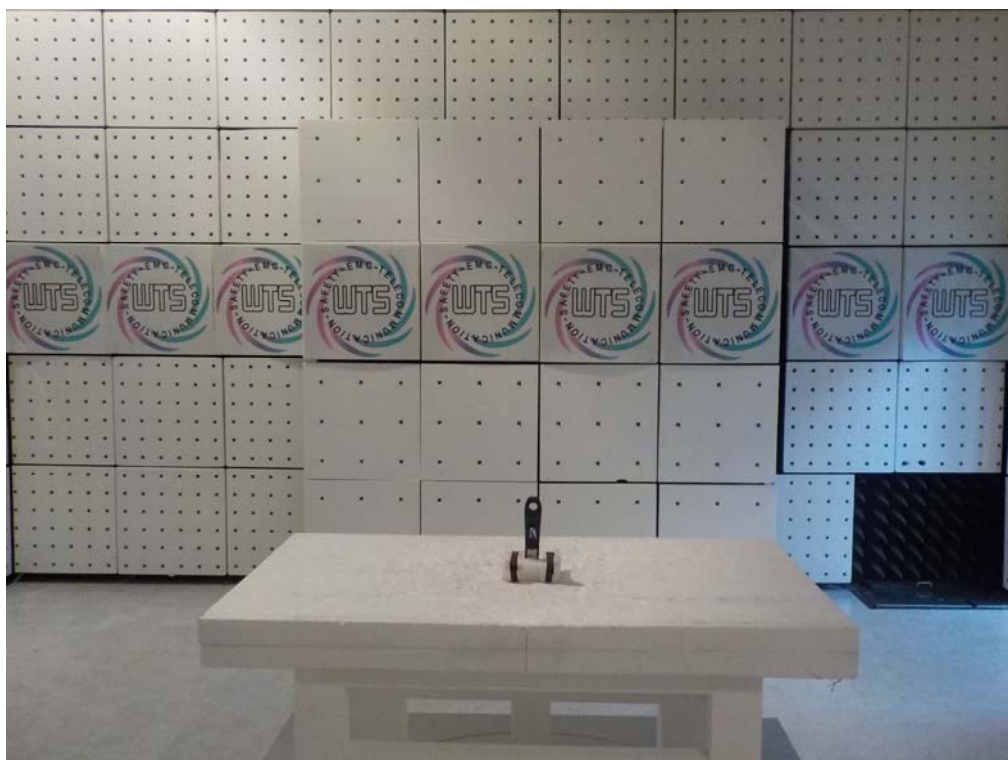
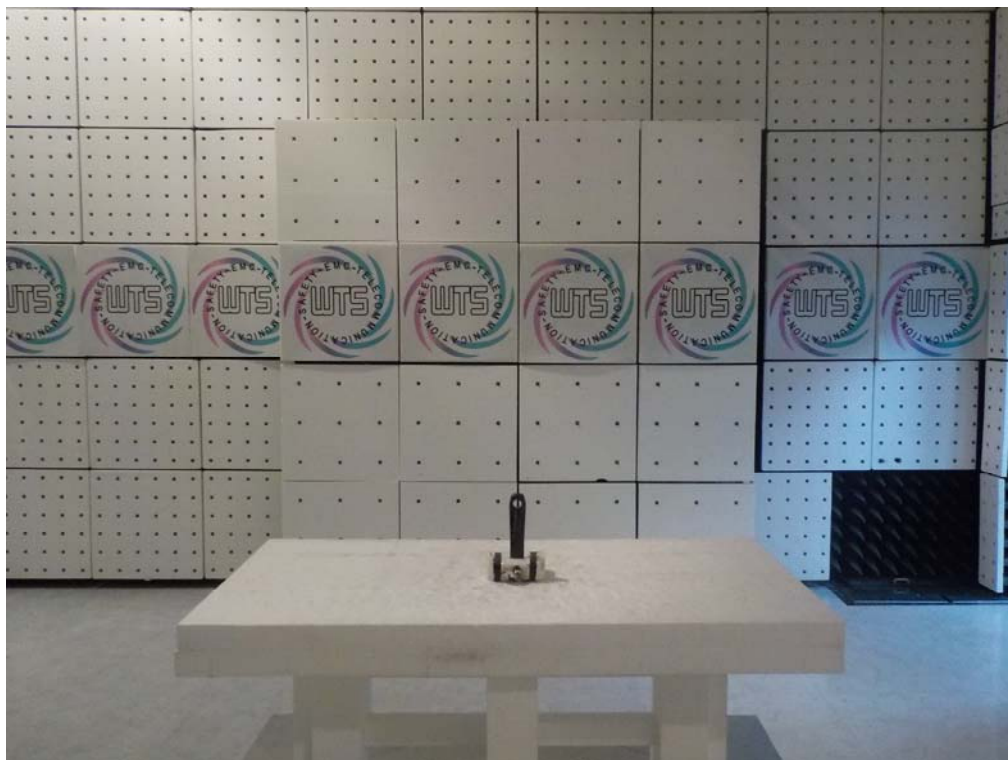
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場地照

輻射擾動測試

V1

Below 1GHz





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Above 1GHz





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V2

Below 1GHz





今慶科技股份有限公司

Above 1GHz





Radiated Emission Measurement

Operator: Sky

File :1

Data :#1

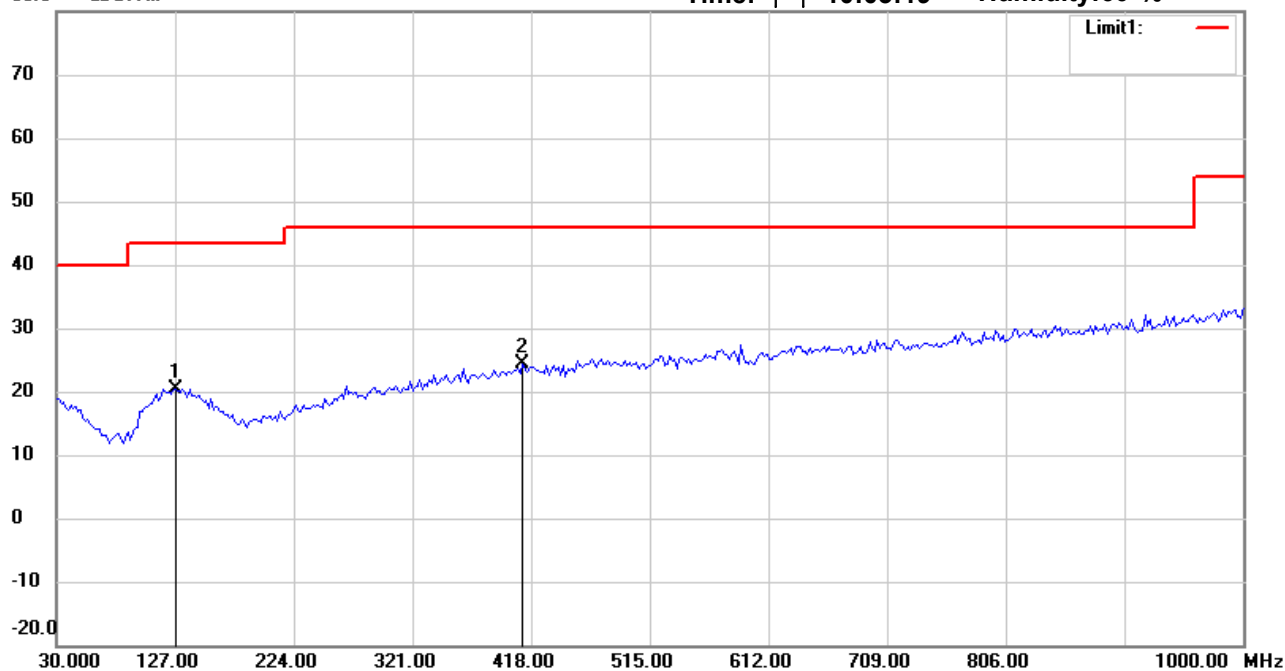
Date: 2017/11/2

Temperature: 24 °C

80.0 dBuV/m

Time: 下午 10:03:19

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

Polarization: *Horizontal*

EUT : W6M21710-17470

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	127.1944	27.11	peak	-6.71	20.40	43.50	100	190	-23.10	
*	411.0020	27.72	peak	-3.43	24.29	46.00	100	70	-21.71	



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, NeiHu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8875

Radiated Emission Measurement

Operator: Sky

File :1

Data :#2

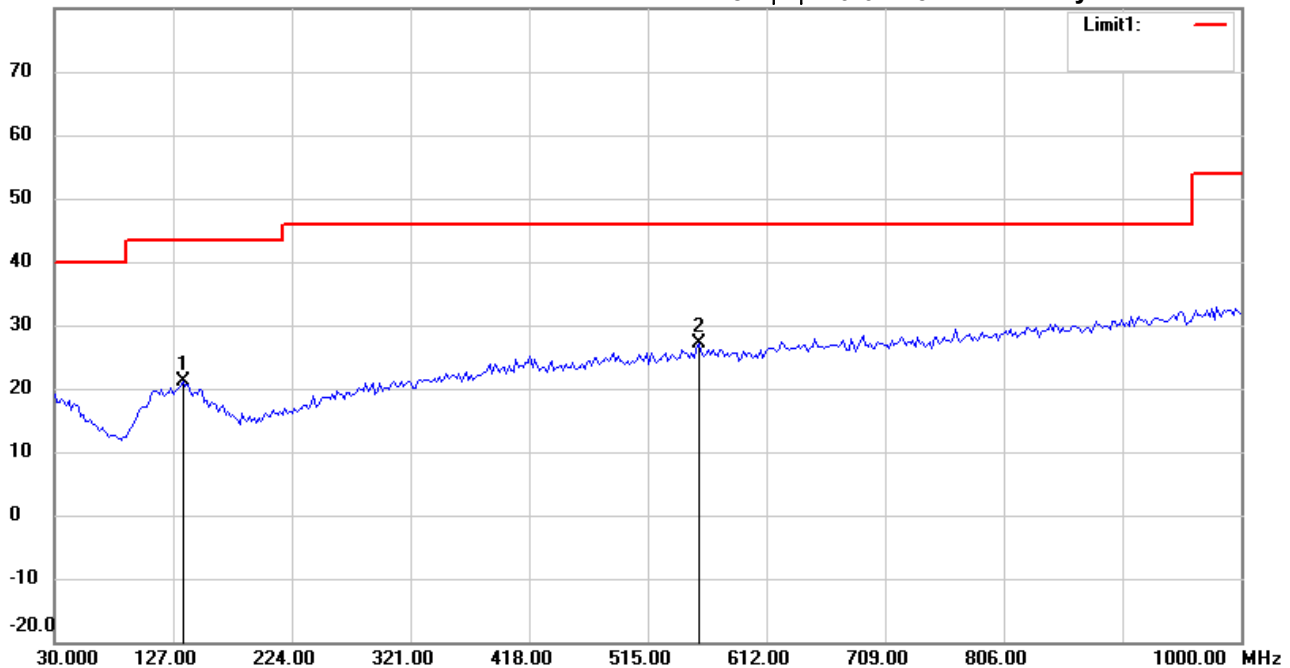
Date: 2017/11/2

Temperature: 24 °C

80.0 dBuV/m

Time: 下午 10:04:45

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	134.9696	27.76	peak	-6.75	21.01	43.50	150	200	-22.49	
*	556.7934	28.92	peak	-1.86	27.06	46.00	150	115	-18.94	

*:Maximum data x:Over limit !:over margin



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Fax: +886-2-6606-8875

Radiated Emission Measurement

Operator: Sky

File : 3

Data : #1

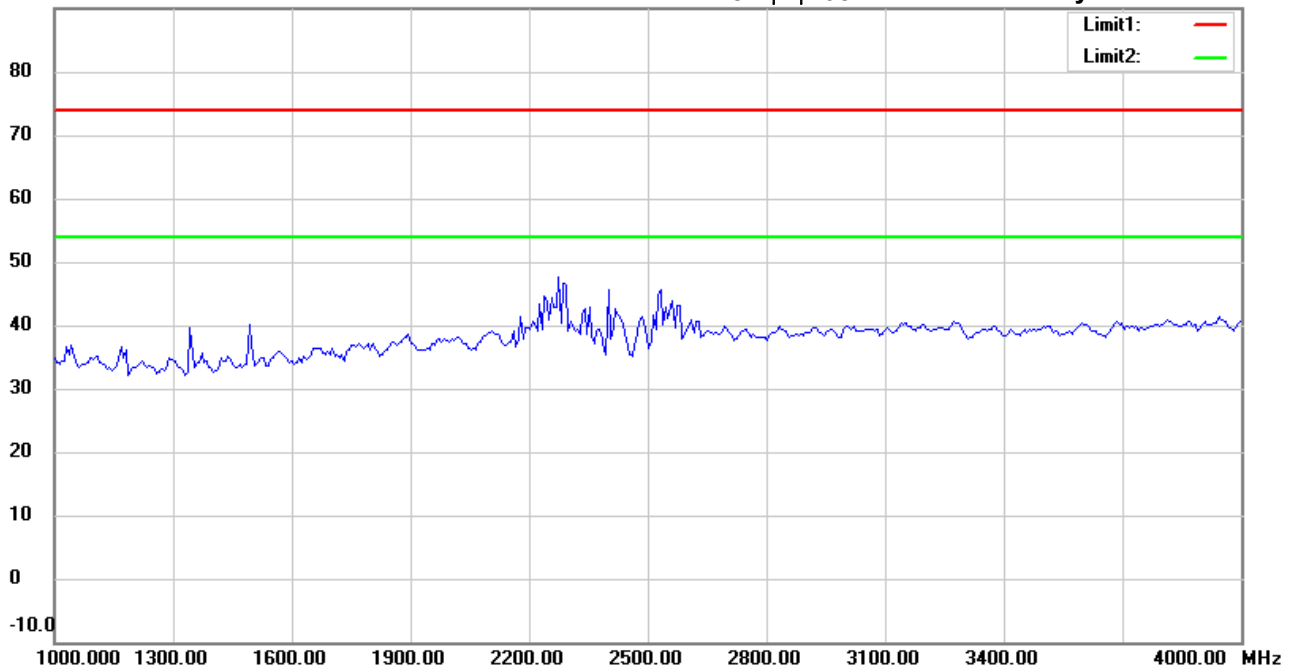
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:22:27

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

*:Maximum data x:Over limit !:over margin



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, NeiHu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8875

Radiated Emission Measurement

Operator: Sky

File : 3

Data : #6

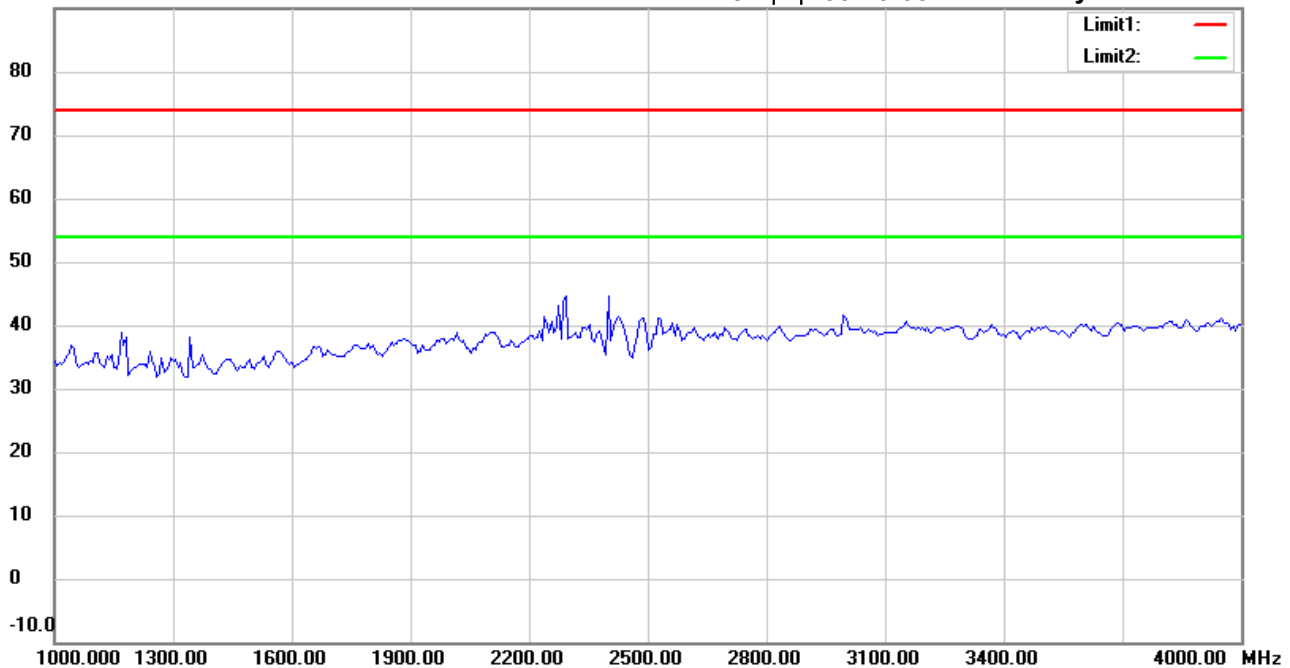
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:25:36

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Vertical*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

*:Maximum data x:Over limit !:over margin



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, Neihu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8875

Radiated Emission Measurement

Operator: Sky

File : 3

Data : #2

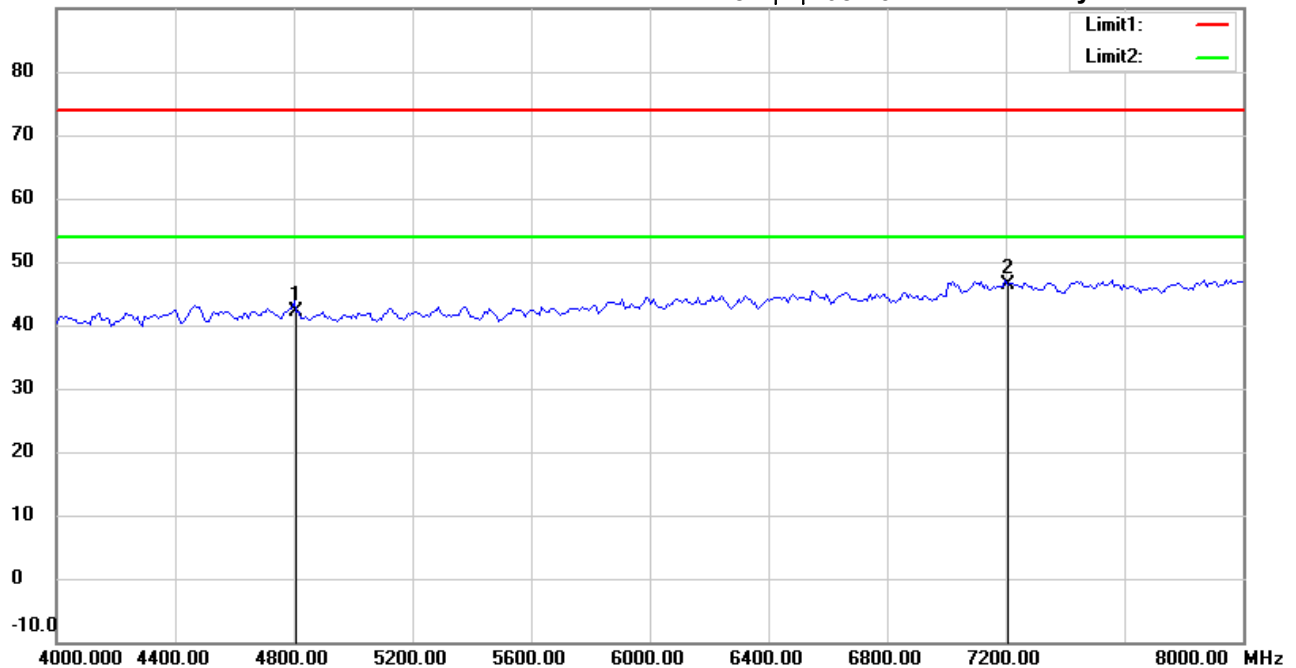
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:23:21

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4804.000	42.03	peak	0.08	42.11	74.00	150	115	-31.89	
*	7206.000	41.41	peak	5.06	46.47	74.00	150	165	-27.53	

*:Maximum data x:Over limit !:over margin



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Fax: +886-2-6606-8875

Radiated Emission Measurement

Operator: Sky

File : 3

Data : #7

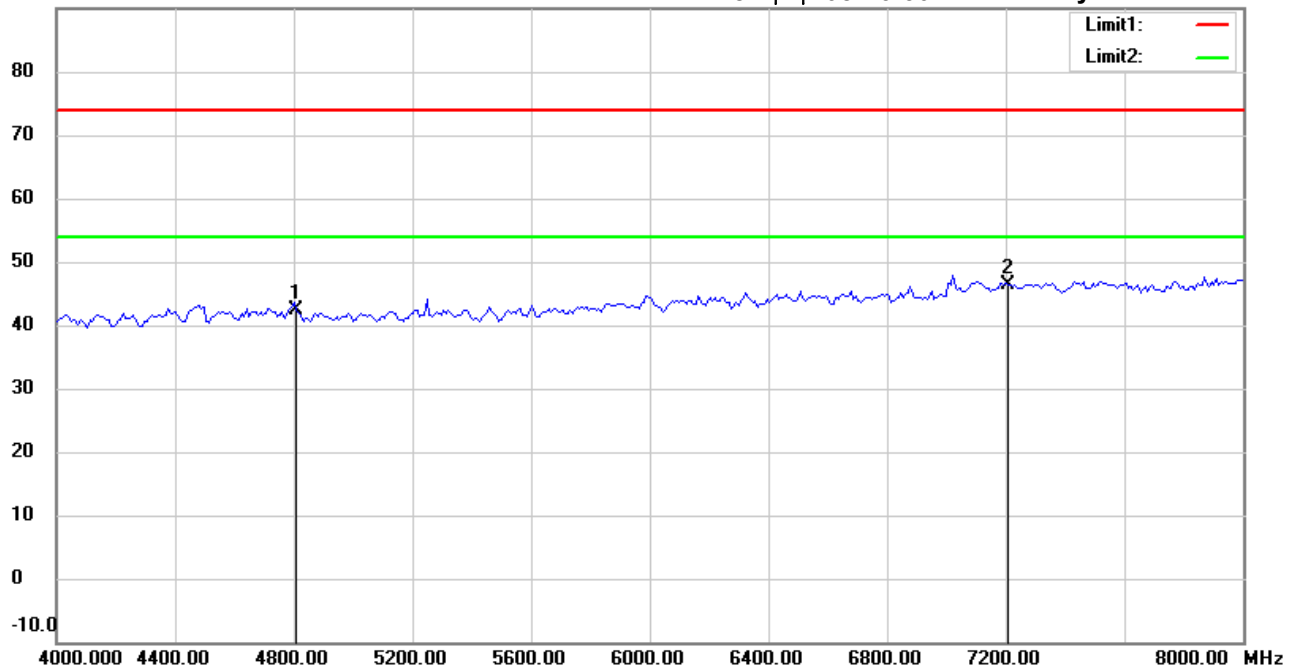
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:26:30

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4804.000	42.28	peak	0.08	42.36	74.00	150	120	-31.64	
*	7206.000	41.44	peak	5.06	46.50	74.00	150	100	-27.50	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#3

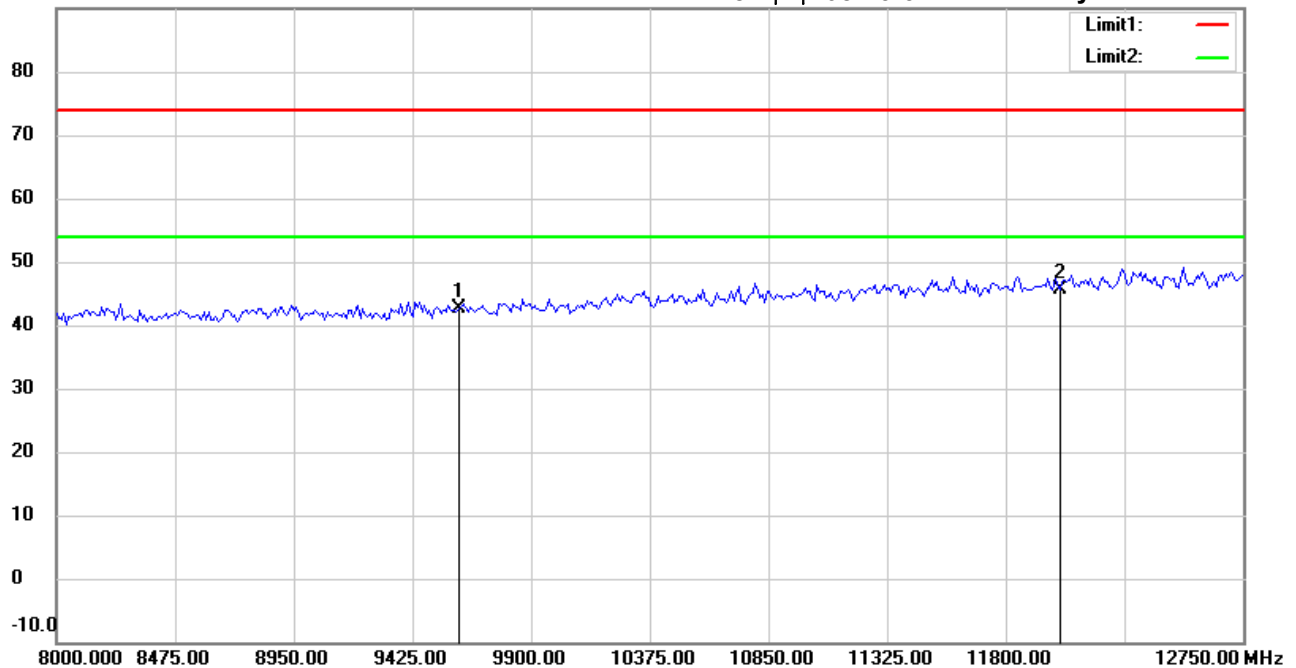
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:23:34

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9608.000	34.77	peak	7.96	42.73	74.00	150	280	-31.27	
*	12010.000	32.85	peak	12.90	45.75	74.00	150	105	-28.25	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #8

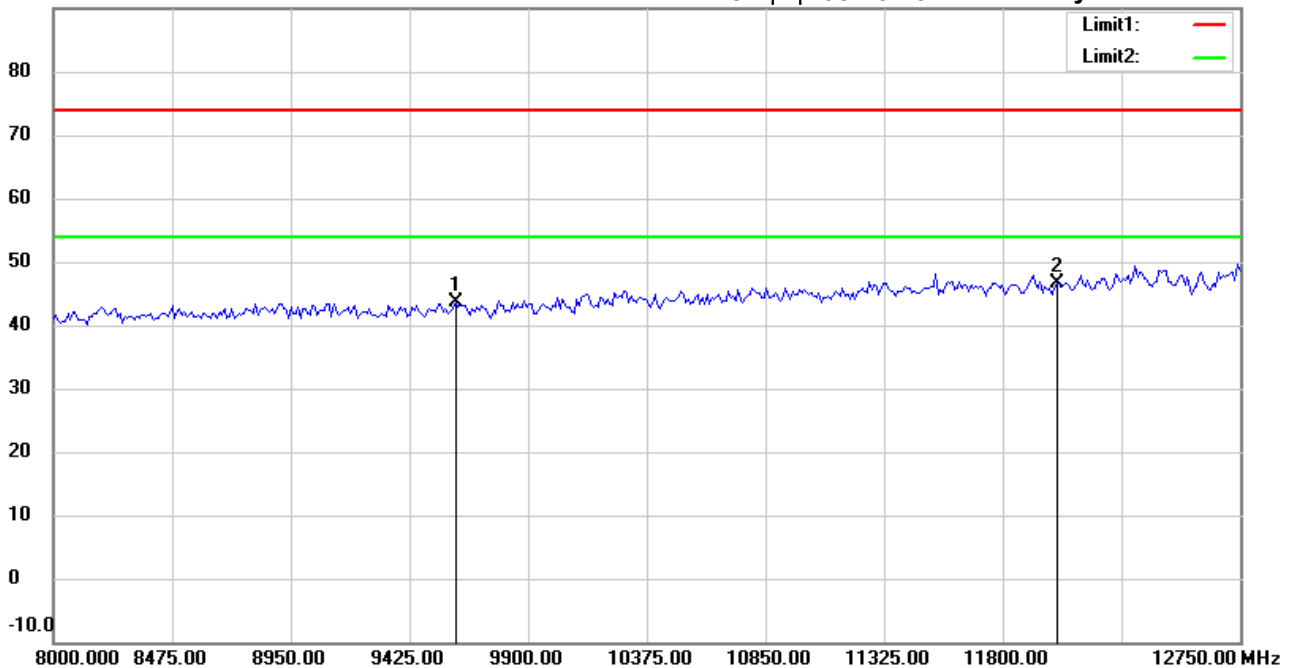
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:26:43

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: **Vertical**

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9608.000	35.65	peak	7.96	43.61	74.00	150	45	-30.39	
*	12010.000	33.81	peak	12.90	46.71	74.00	150	75	-27.29	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #4

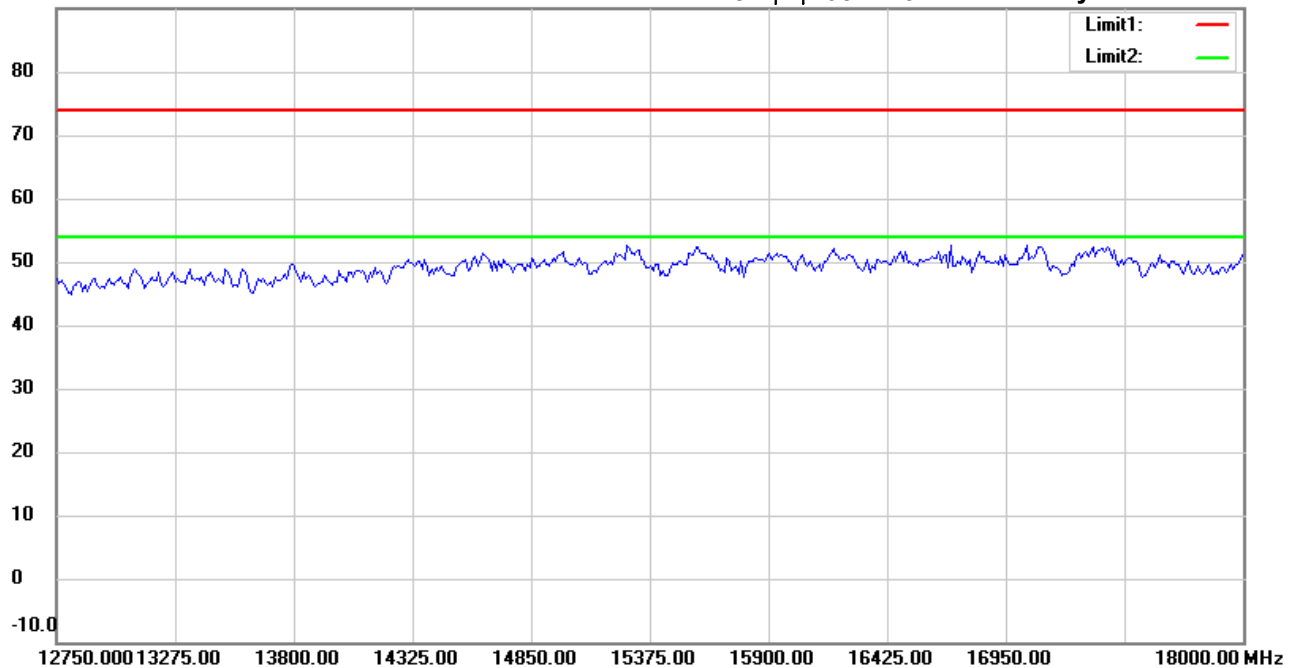
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:24:32

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: Horizontal

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #9

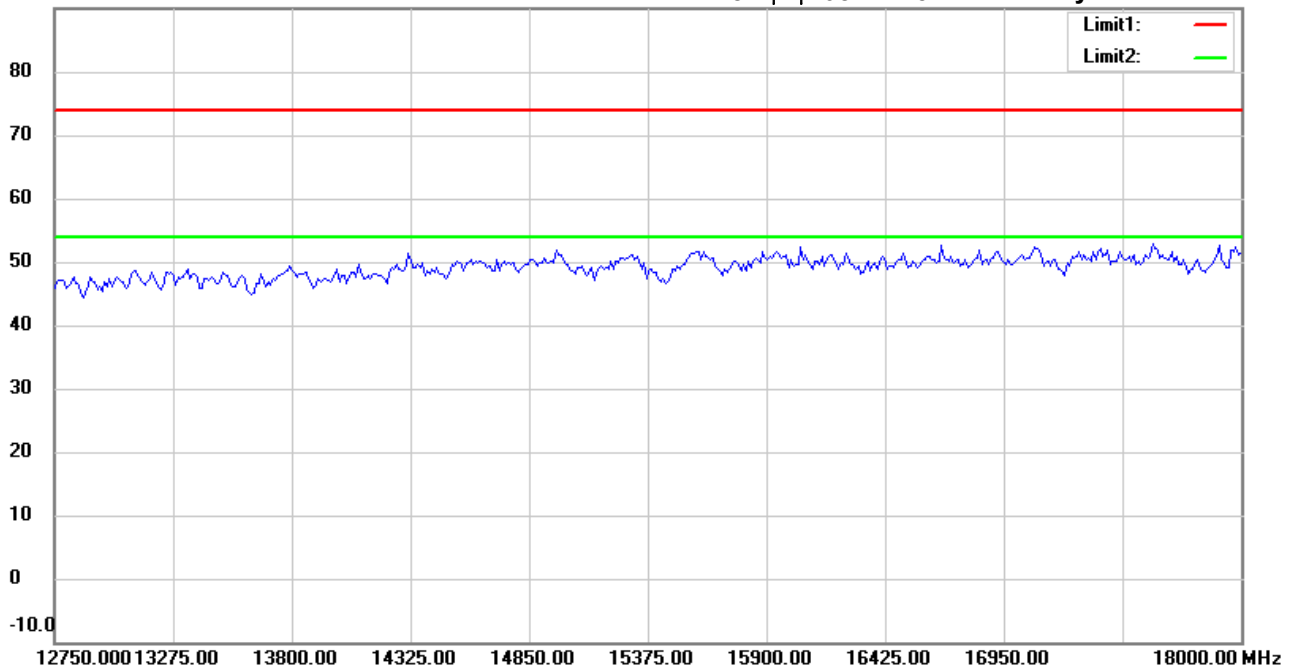
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:27:45

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #5

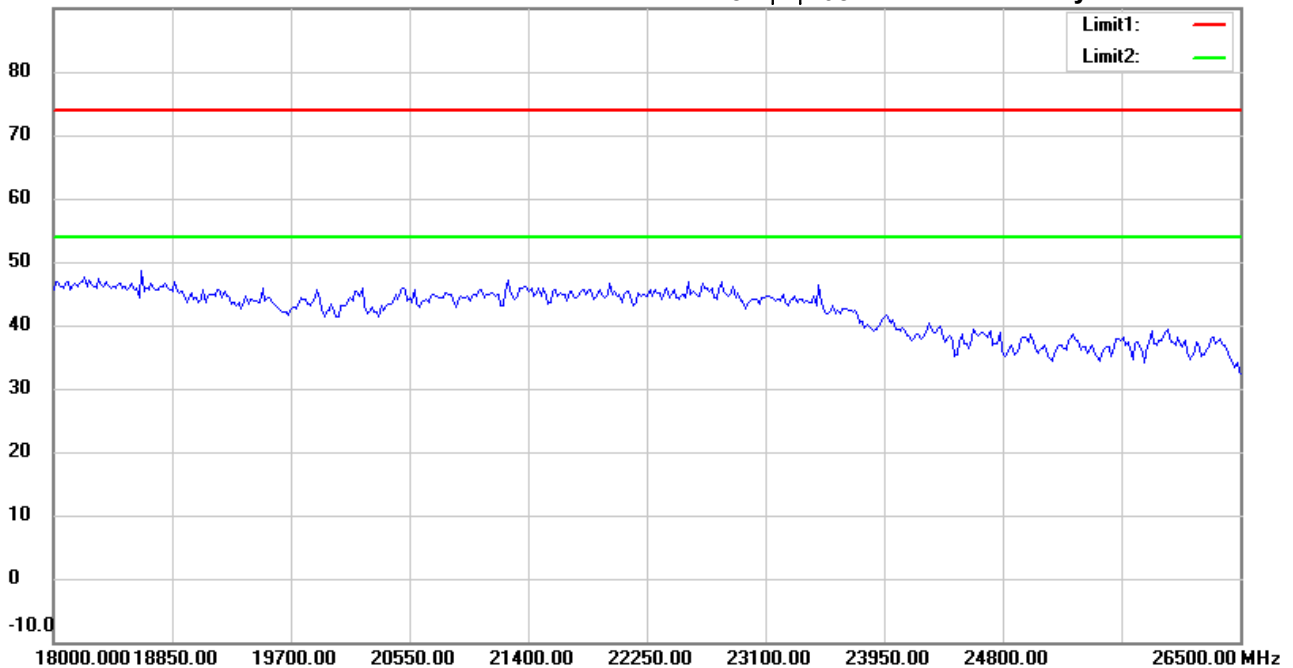
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:24:42

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #10

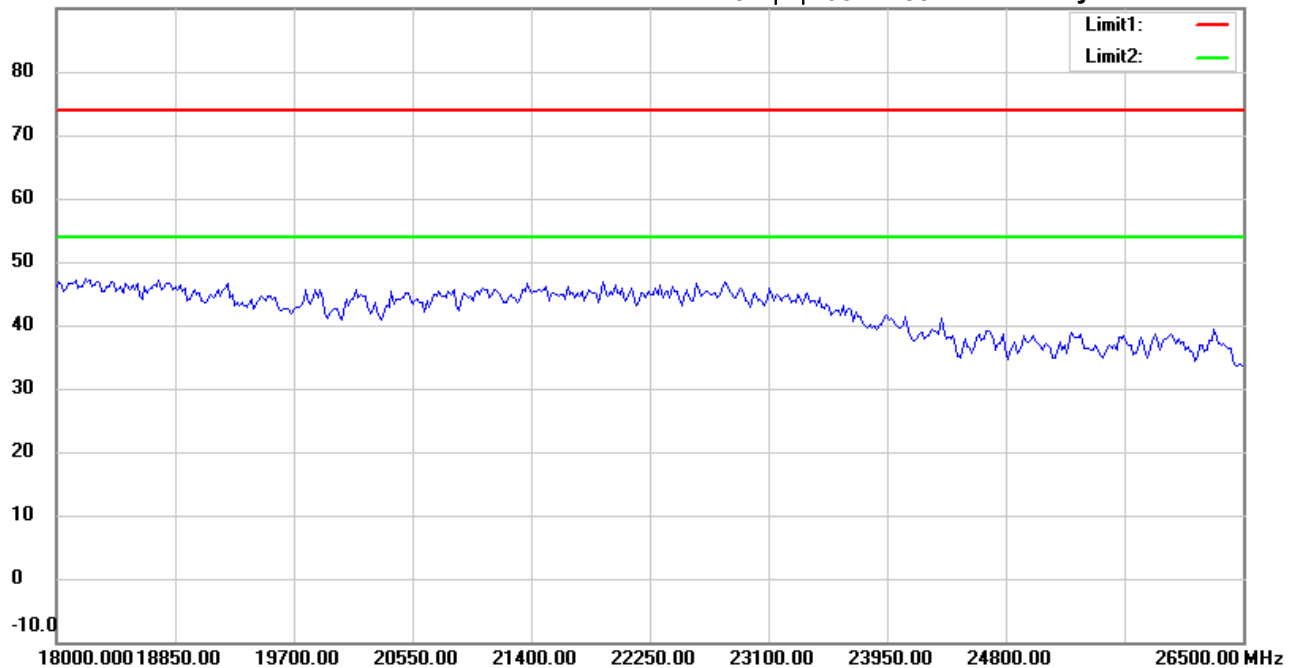
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:27:55

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File :1

Data :#1

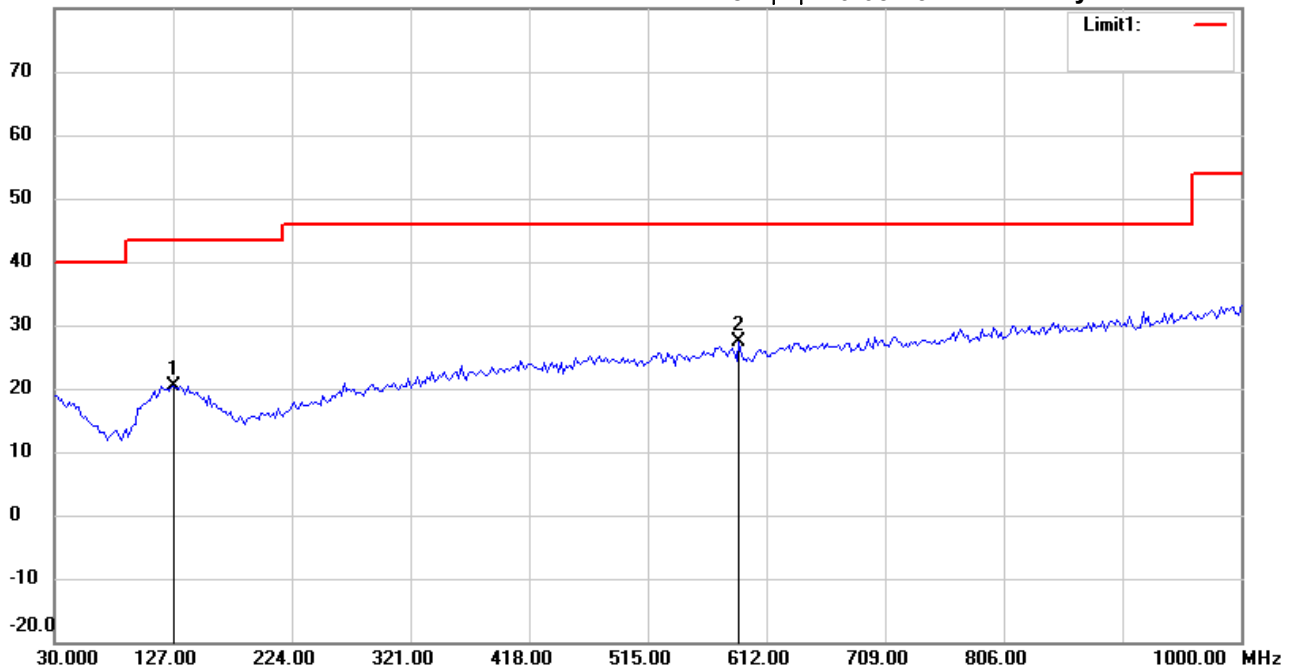
Date: 2017/11/2

Temperature: 24 °C

80.0 dBuV/m

Time: 下午 10:05:13

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	127.1944	27.11	peak	-6.71	20.40	43.50	100	190	-23.10	
*	589.8396	29.29	peak	-1.83	27.46	46.00	100	225	-18.54	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File :1

Data :#2

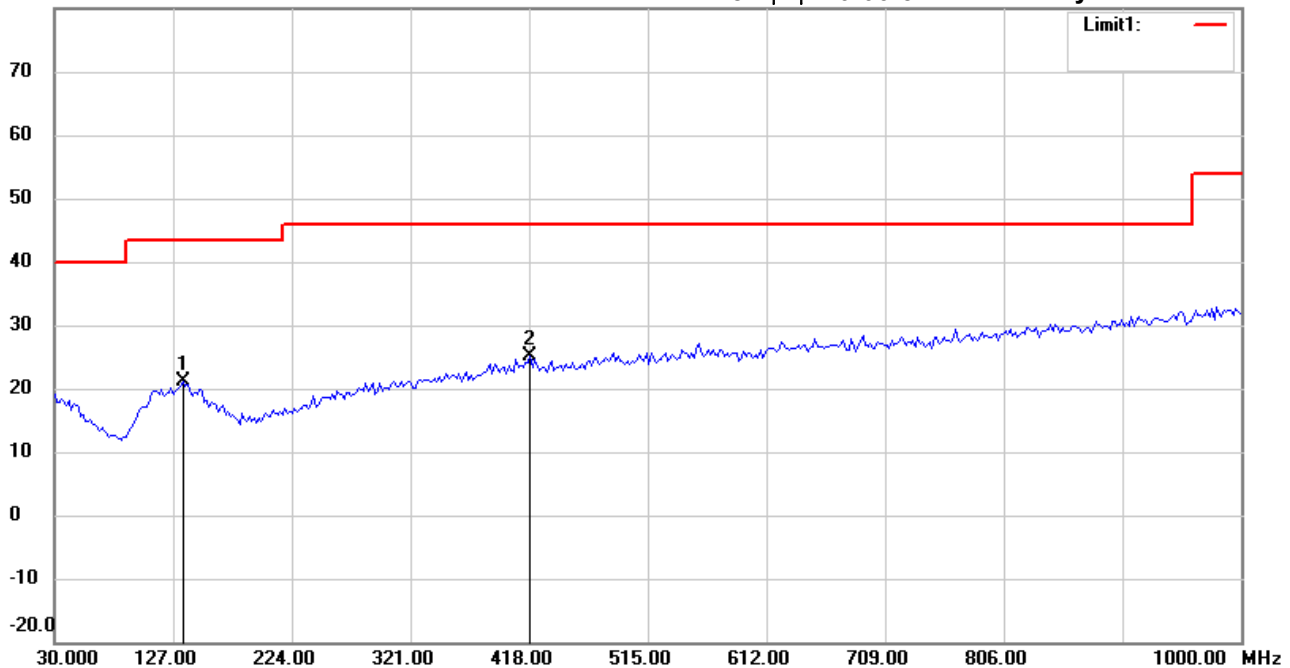
Date: 2017/11/2

Temperature: 24 °C

80.0 dBuV/m

Time: 下午 10:06:52

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	134.9696	27.76	peak	-6.75	21.01	43.50	100	130	-22.49	
*	418.7776	28.38	peak	-3.34	25.04	46.00	100	60	-20.96	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #1

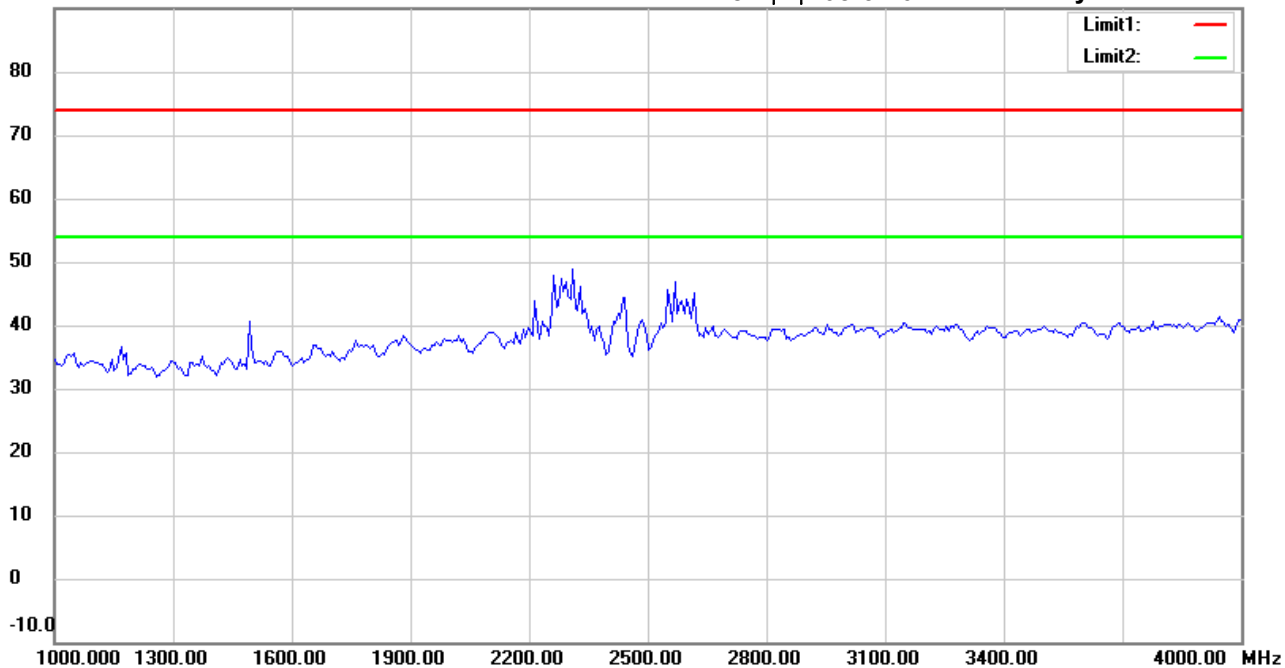
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:32:02

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #6

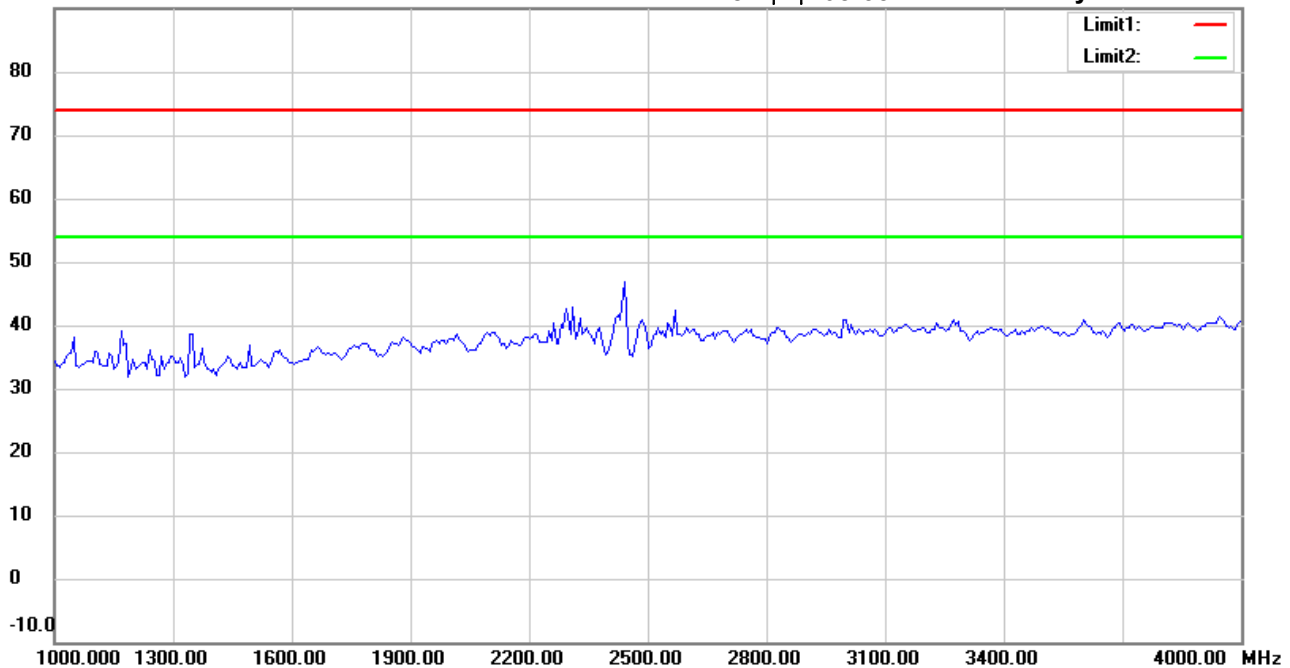
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:35:11

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Vertical*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #2

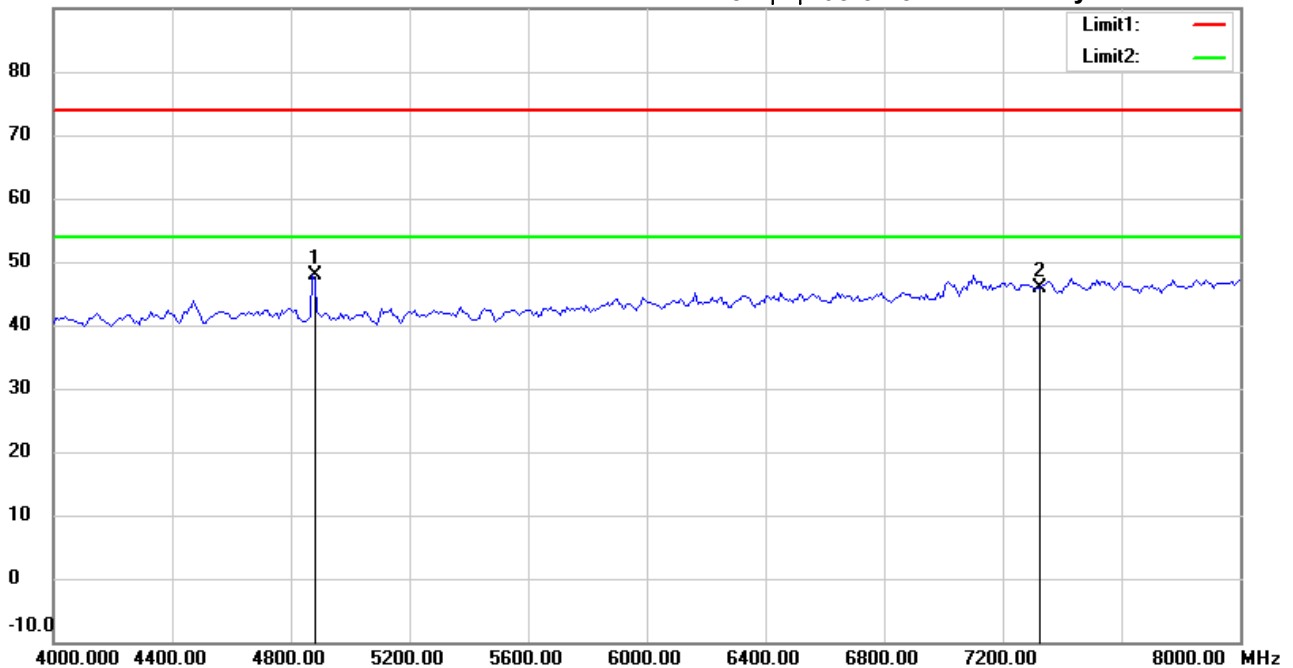
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:32:57

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	4873.748	47.75	peak	0.16	47.91	74.00	150	70	-26.09	
	7320.000	40.84	peak	5.10	45.94	74.00	150	10	-28.06	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #7

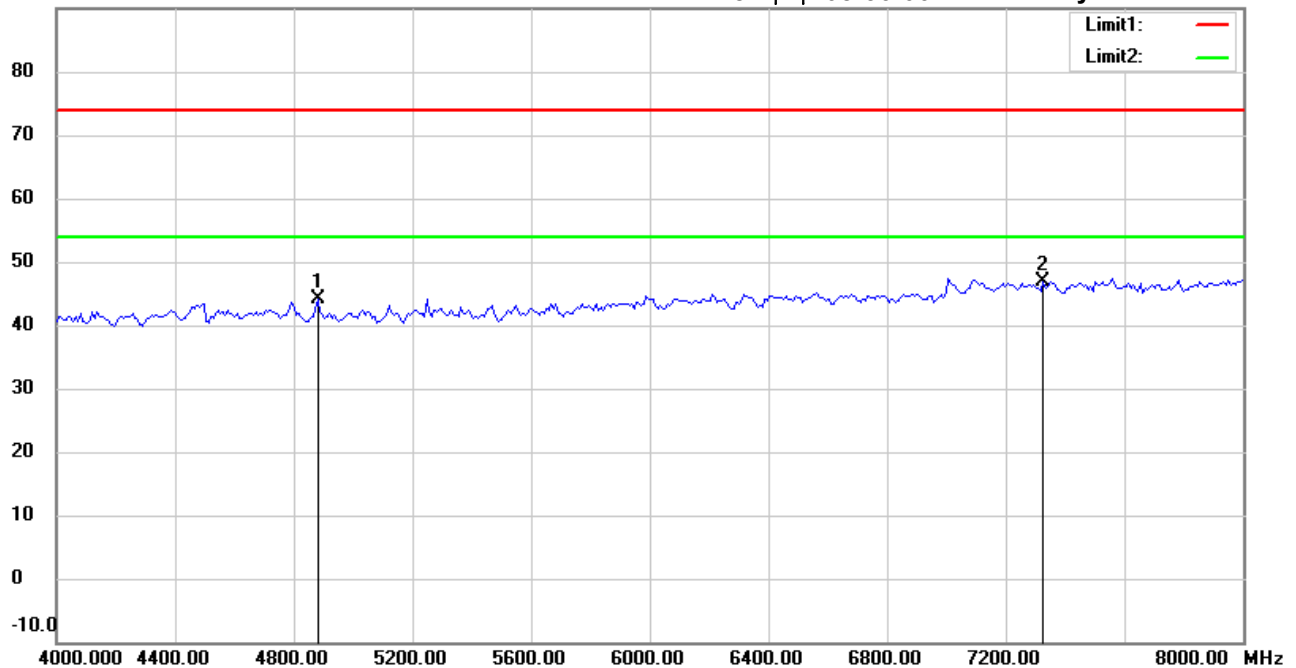
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:36:06

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: **Vertical**

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4880.000	44.06	peak	0.17	44.23	74.00	150	270	-29.77	
*	7320.000	41.87	peak	5.10	46.97	74.00	150	195	-27.03	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #3

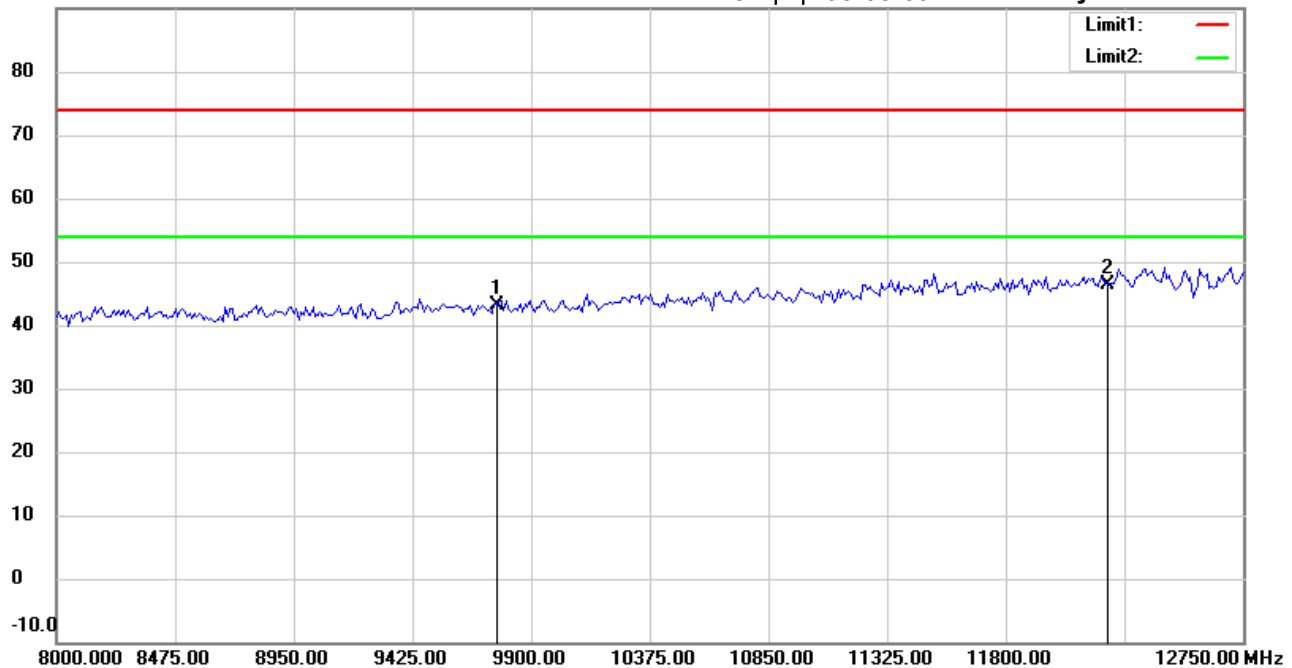
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:33:09

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: **Horizontal**

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9760.000	34.97	peak	8.21	43.18	74.00	150	255	-30.82	
*	12200.000	32.30	peak	14.09	46.39	74.00	150	35	-27.61	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #8

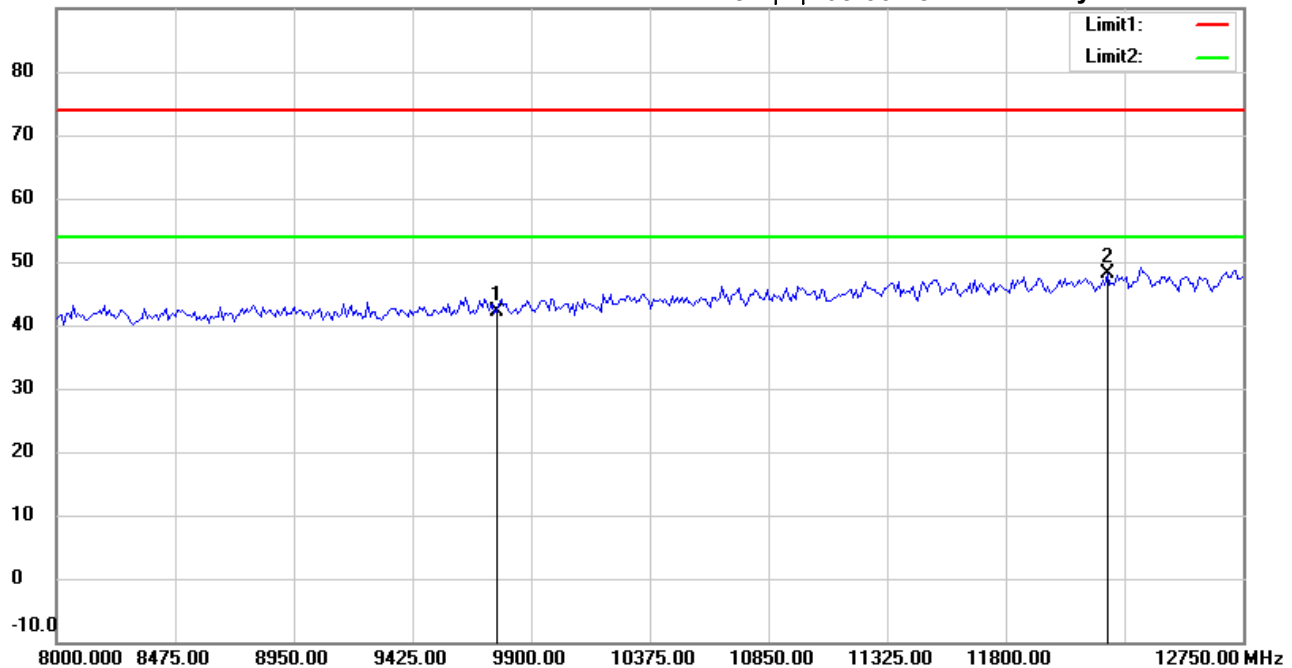
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:36:18

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9760.000	33.80	peak	8.21	42.01	74.00	150	135	-31.99	
*	12200.000	34.00	peak	14.09	48.09	74.00	150	225	-25.91	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #4

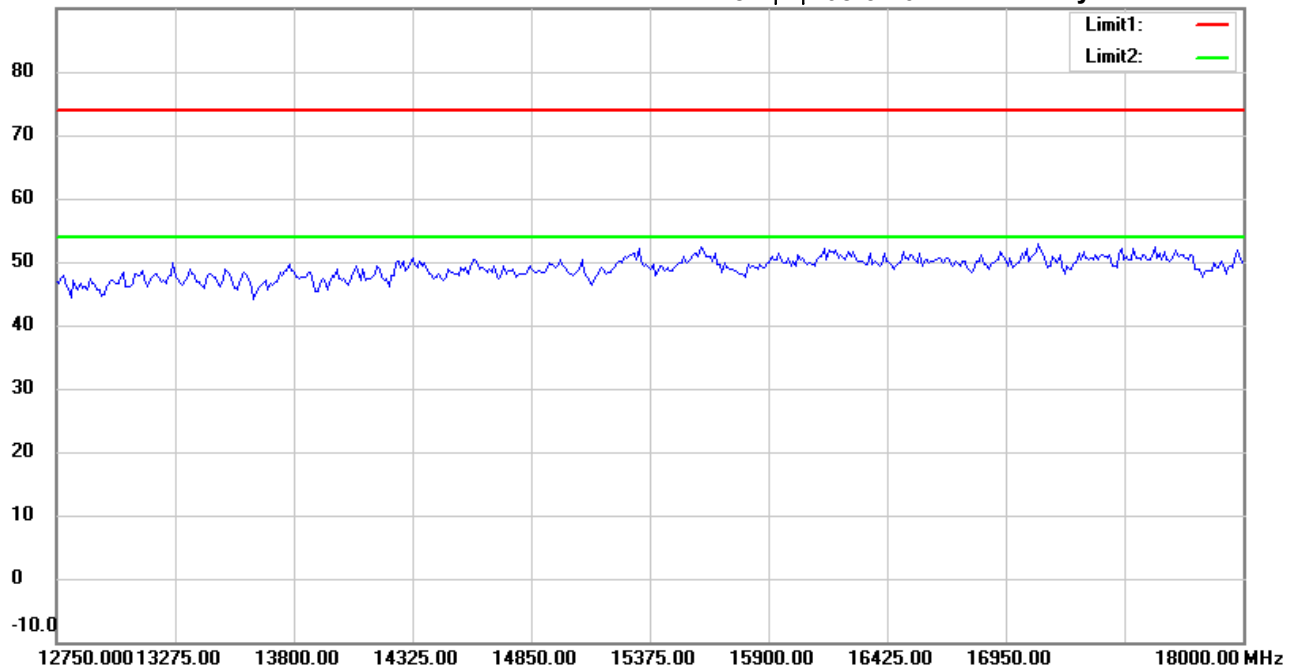
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:34:07

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: Horizontal

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #9

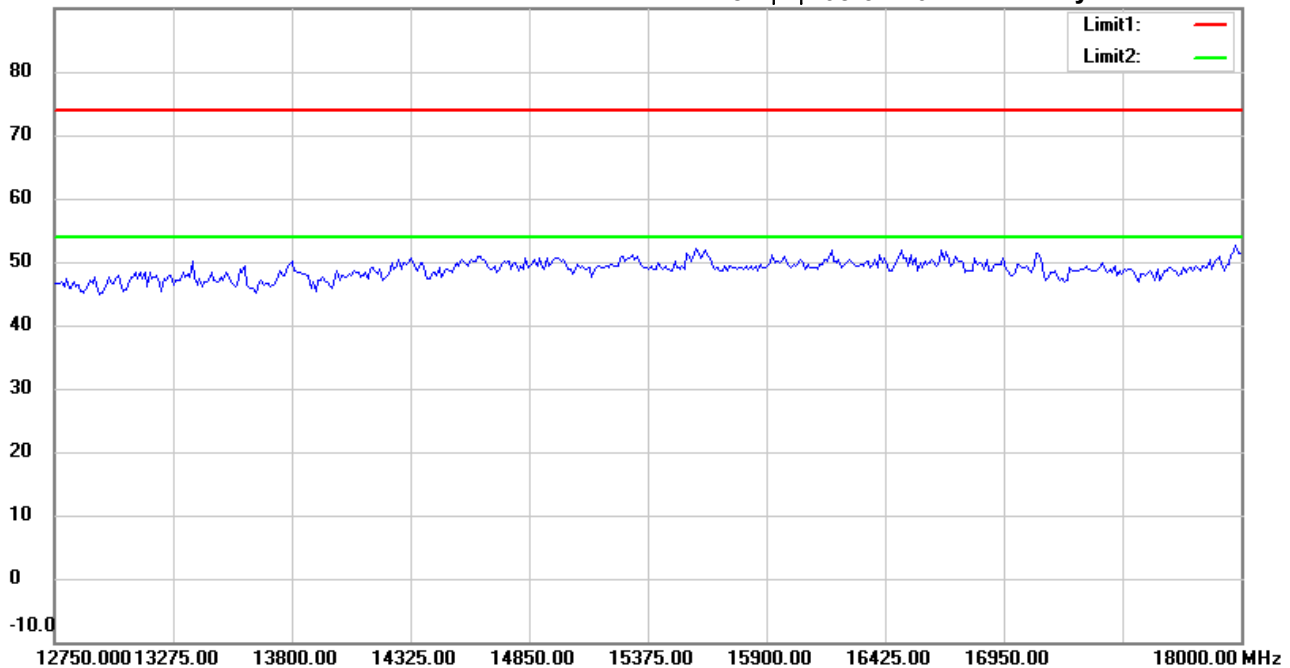
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:37:20

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

Polarization: Vertical

EUT : W6M21710-17470

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #5

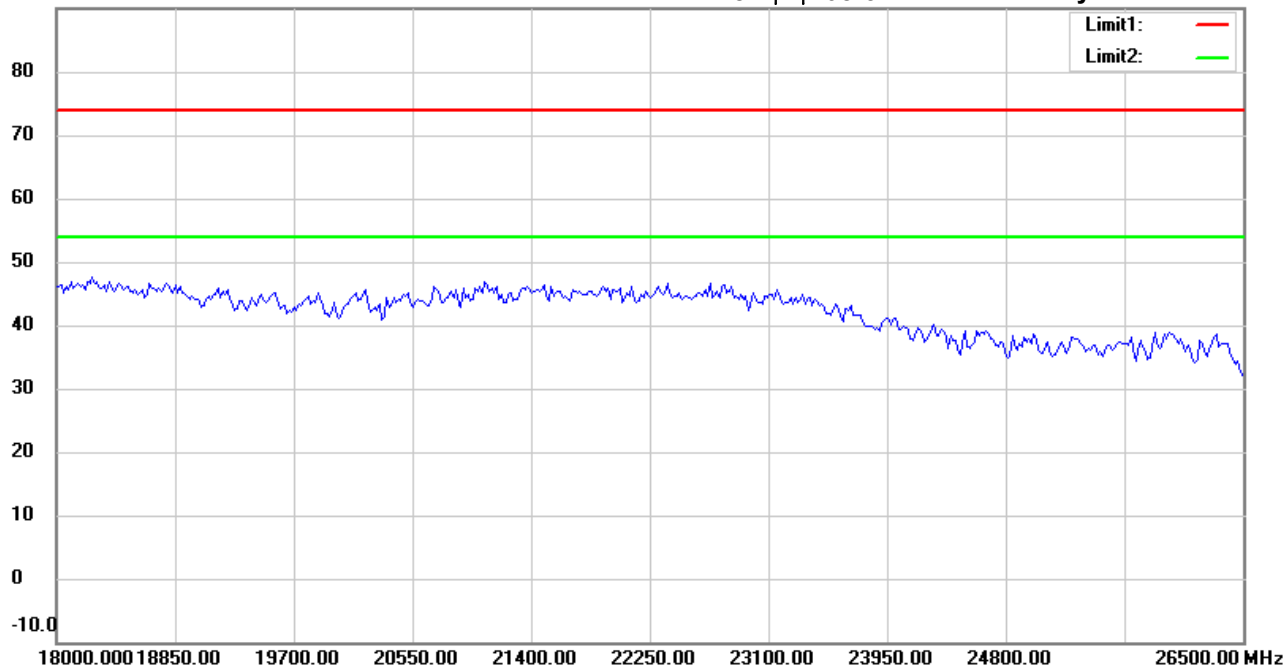
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:34:17

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #10

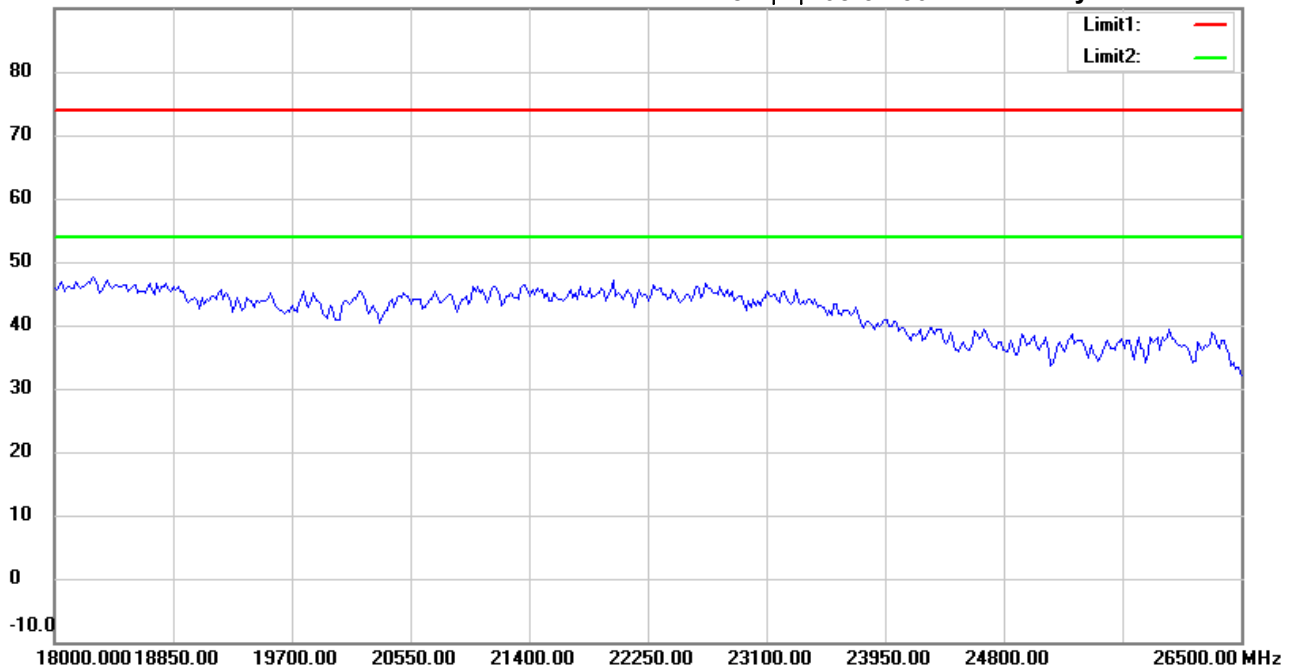
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:37:30

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, NeiHu, Taipei
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Fax: +886-2-6606-8875

Radiated Emission Measurement

Operator: Sky

File :1

Data :#1

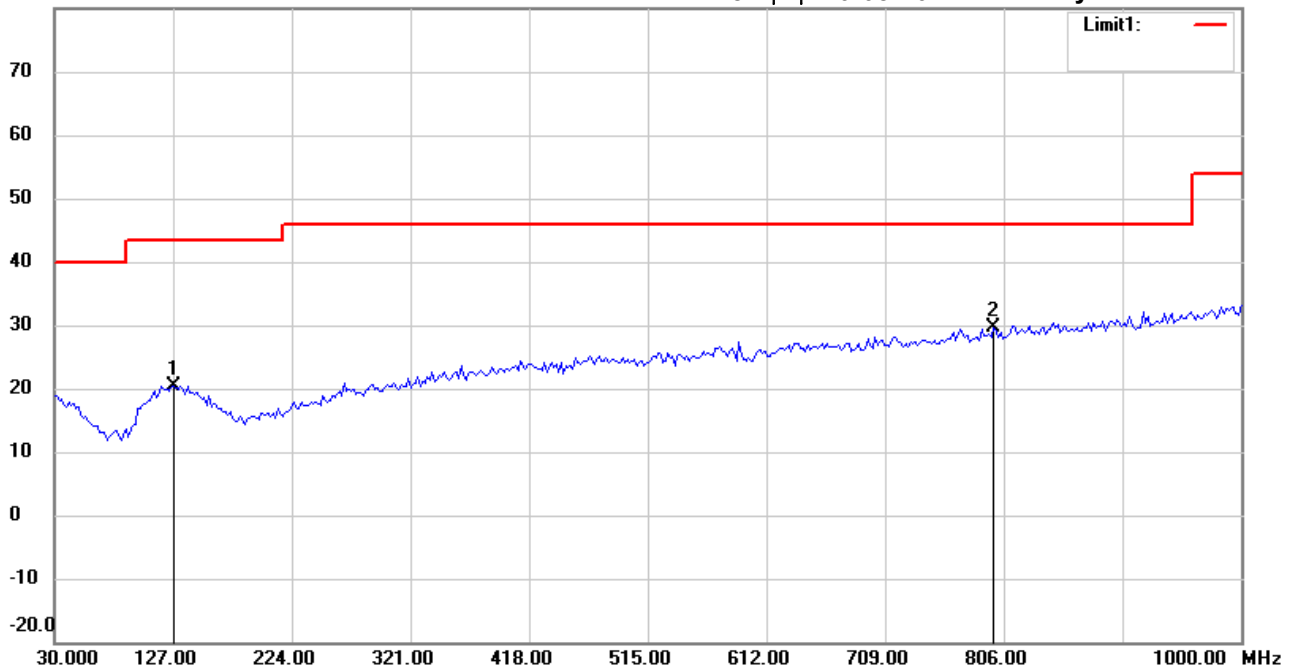
Date: 2017/11/2

Temperature: 24 °C

80.0 dBuV/m

Time: 下午 10:08:20

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	127.1944	27.11	peak	-6.71	20.40	43.50	100	190	-23.10	
*	797.8355	28.33	peak	1.35	29.68	46.00	100	260	-16.32	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File :1

Data :#2

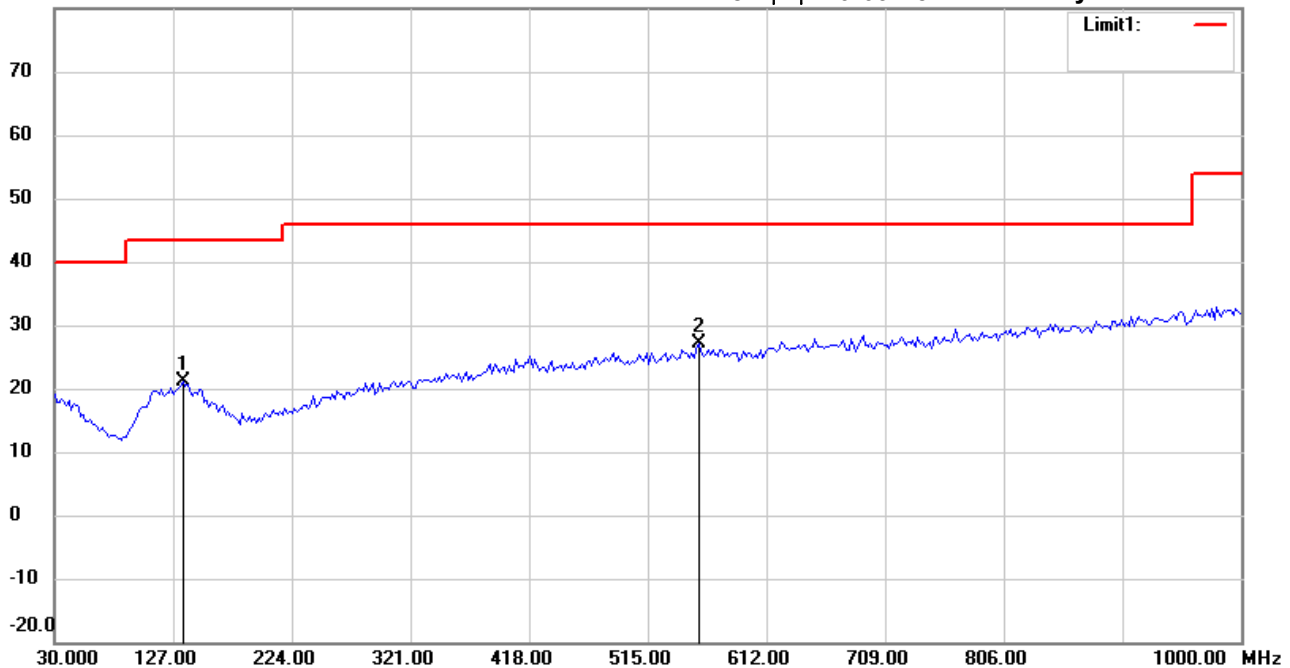
Date: 2017/11/2

Temperature: 24 °C

80.0 dBuV/m

Time: 下午 10:09:25

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	134.9696	27.76	peak	-6.75	21.01	43.50	100	190	-22.49	
*	556.7934	28.92	peak	-1.86	27.06	46.00	100	230	-18.94	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #1

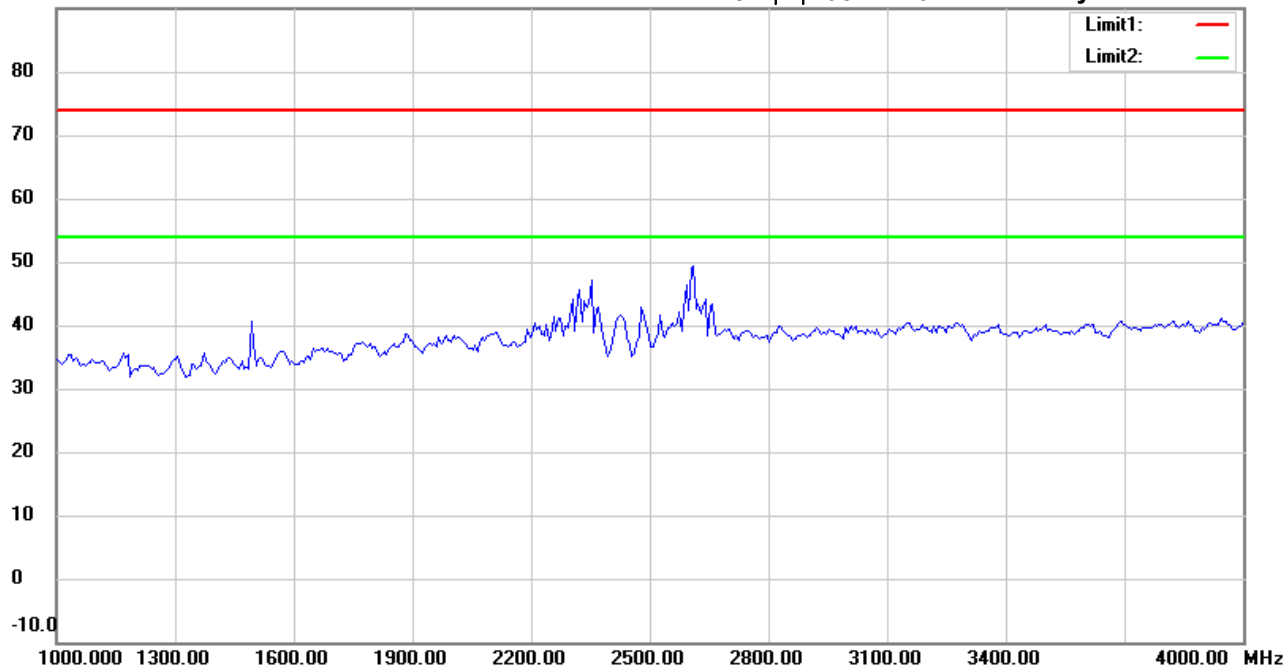
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:41:49

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #6

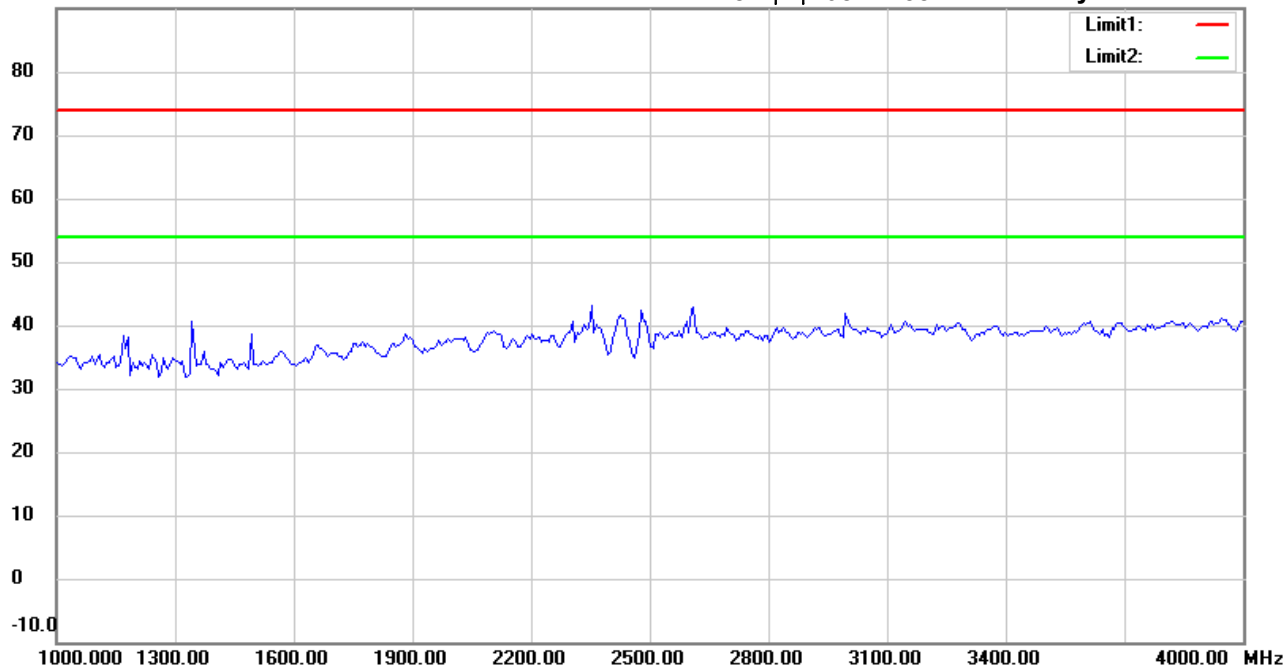
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:44:58

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: **Vertical**

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#2

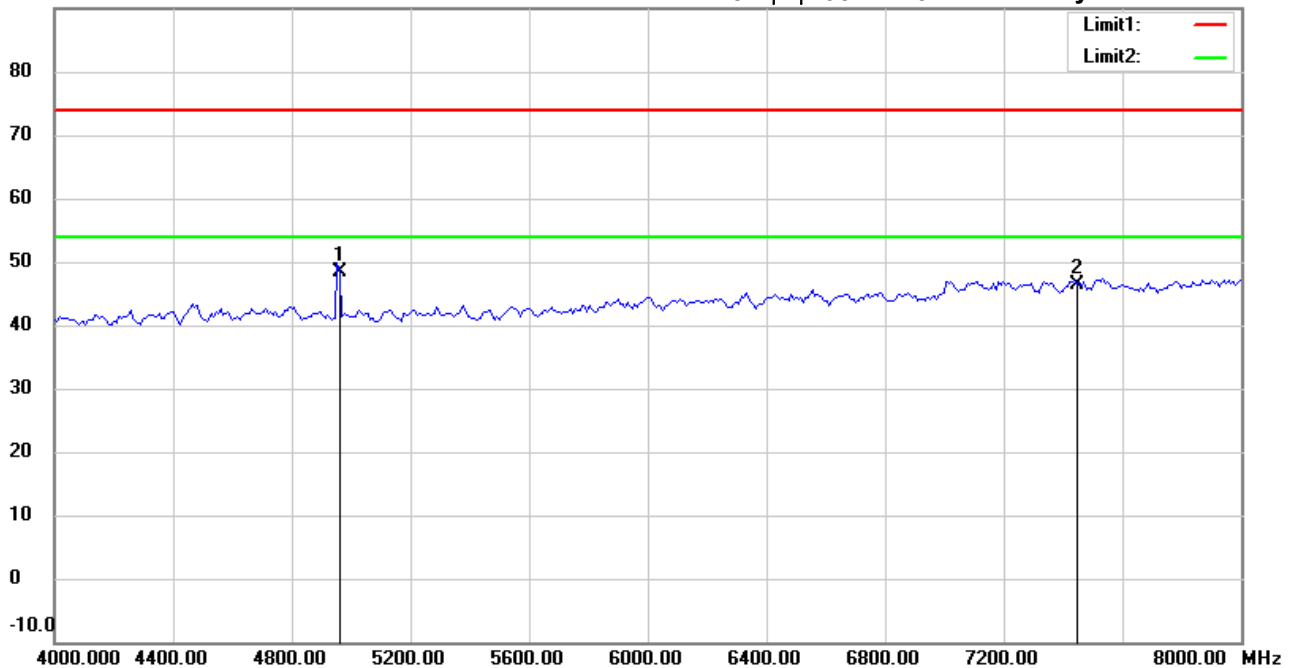
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:42:43

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	4960.000	48.28	peak	0.21	48.49	74.00	150	60	-25.51	
	7440.000	41.29	peak	5.18	46.47	74.00	150	115	-27.53	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #7

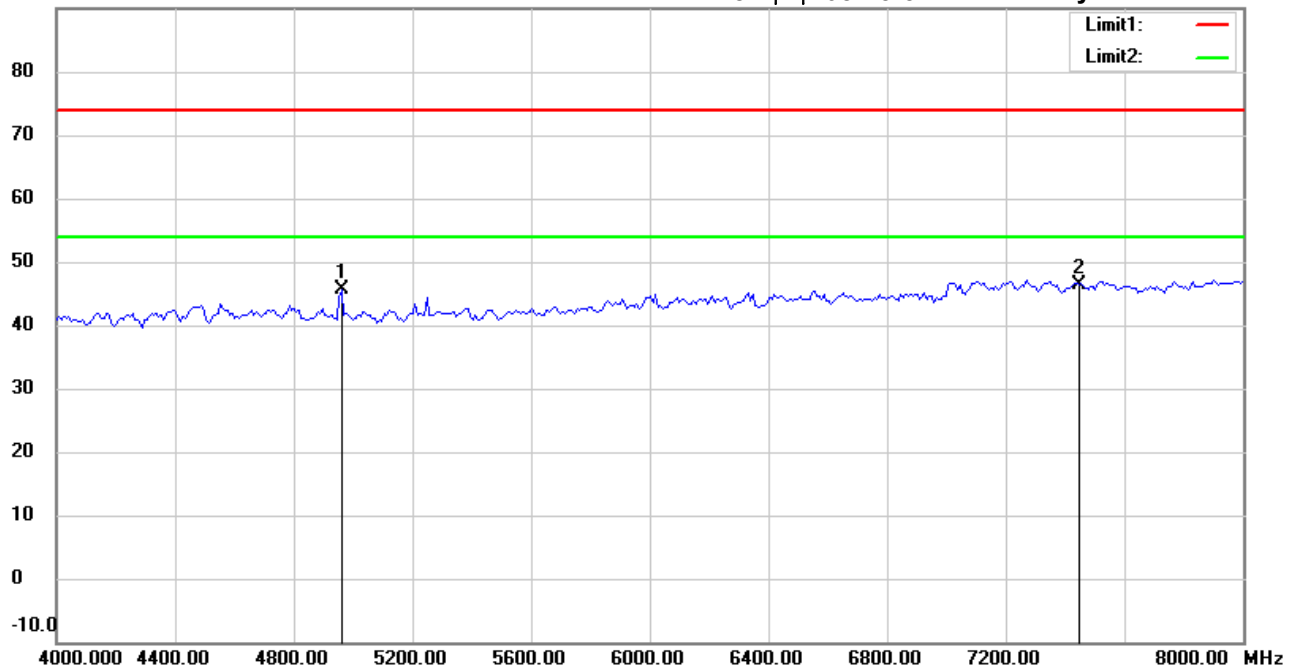
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:45:52

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: **Vertical**

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4960.000	45.54	peak	0.21	45.75	74.00	150	70	-28.25	
*	7440.000	41.23	peak	5.18	46.41	74.00	150	85	-27.59	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #3

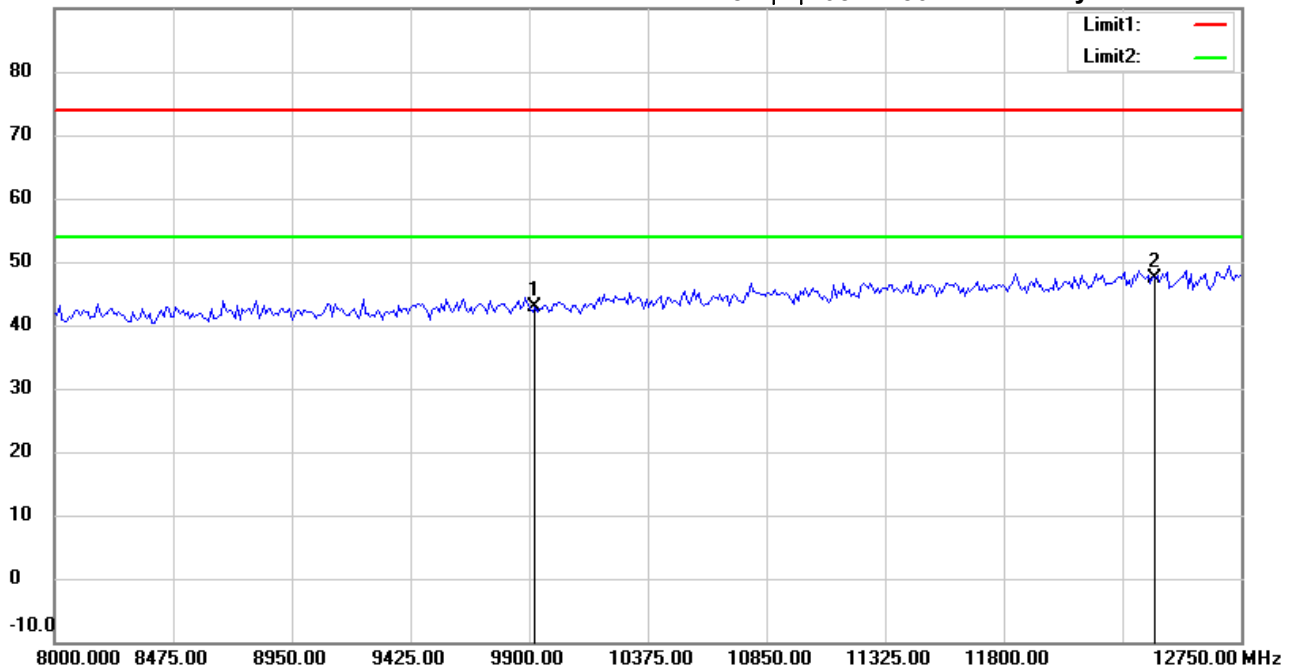
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:42:56

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9920.000	34.21	peak	8.55	42.76	74.00	150	215	-31.24	
*	12400.000	32.89	peak	14.41	47.30	74.00	150	10	-26.70	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #8

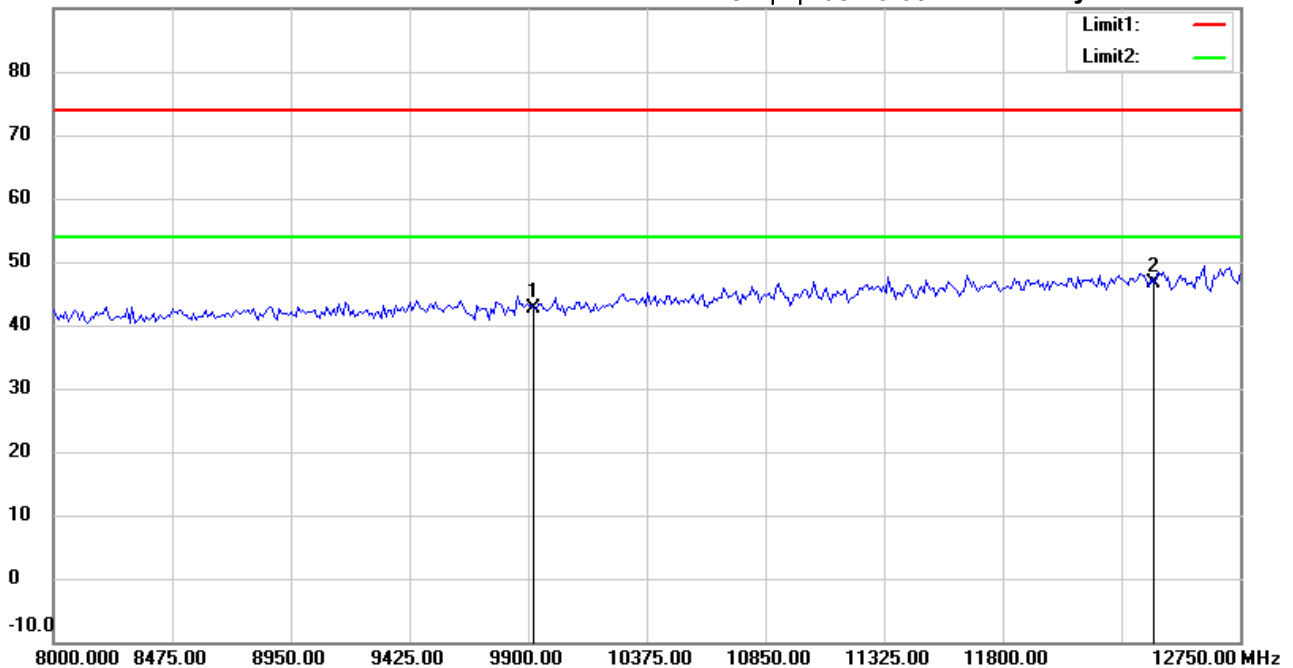
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:46:05

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9920.000	34.15	peak	8.55	42.70	74.00	150	220	-31.30	
*	12400.000	32.32	peak	14.41	46.73	74.00	150	145	-27.27	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #4

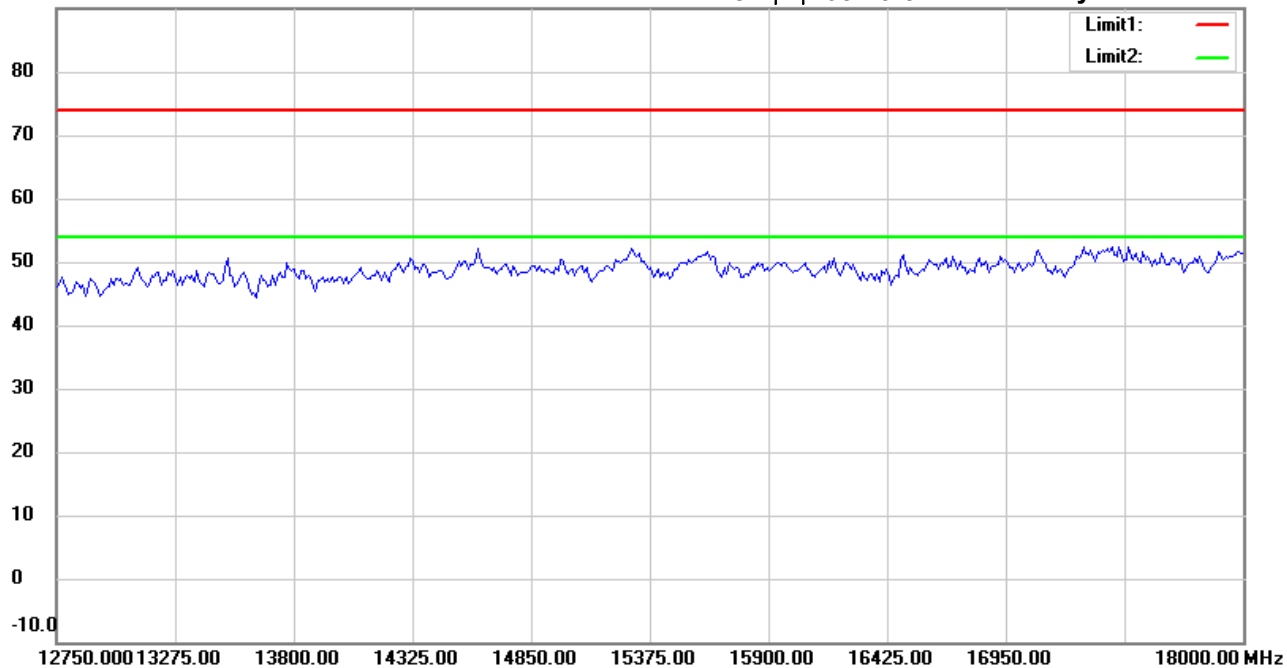
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:43:54

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: Horizontal

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #9

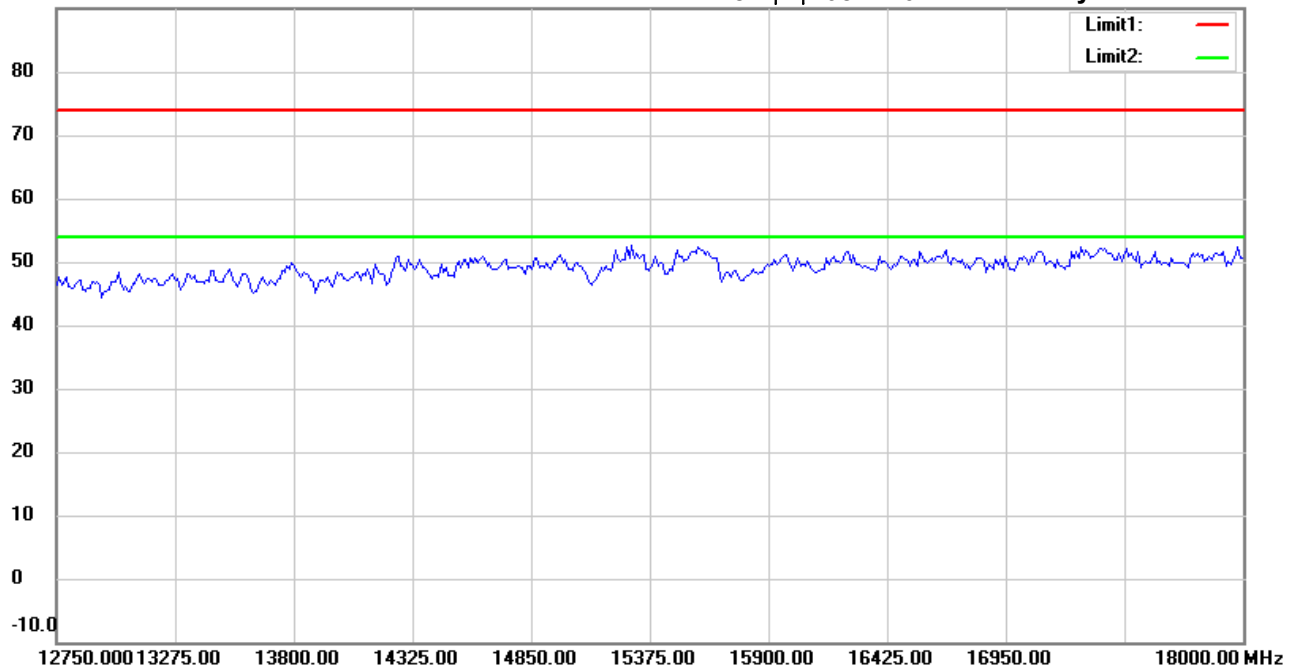
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:47:07

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

Polarization: Vertical

EUT : W6M21710-17470

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #5

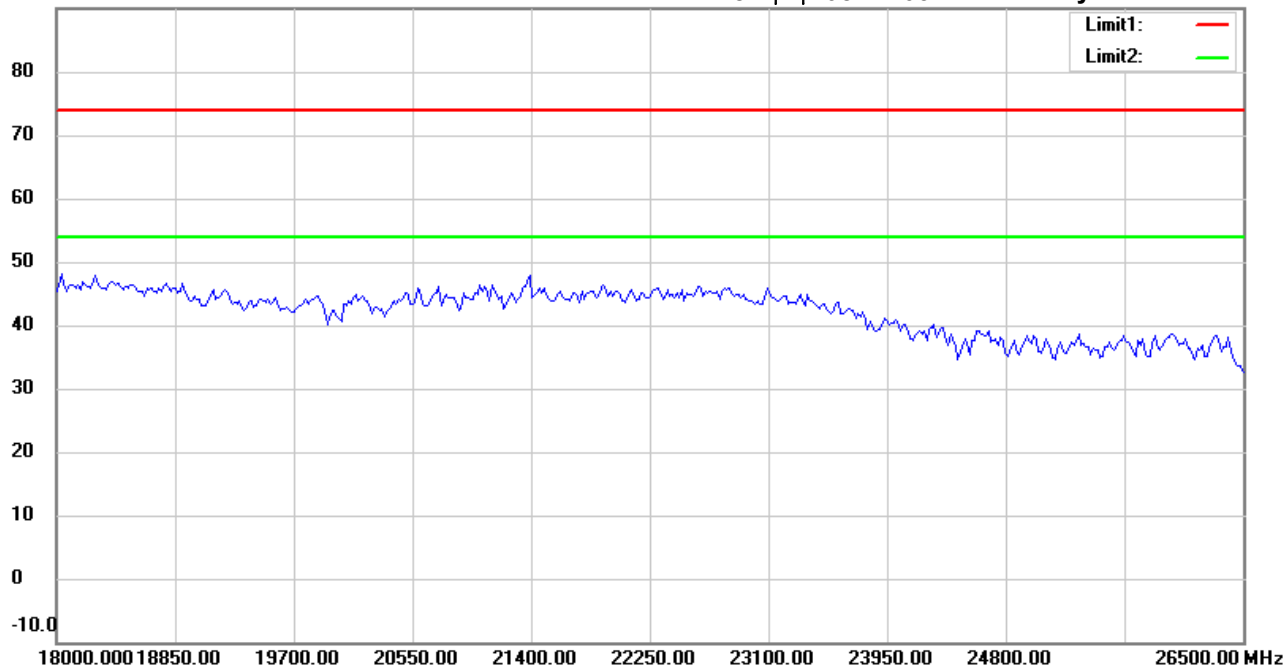
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:44:03

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #10

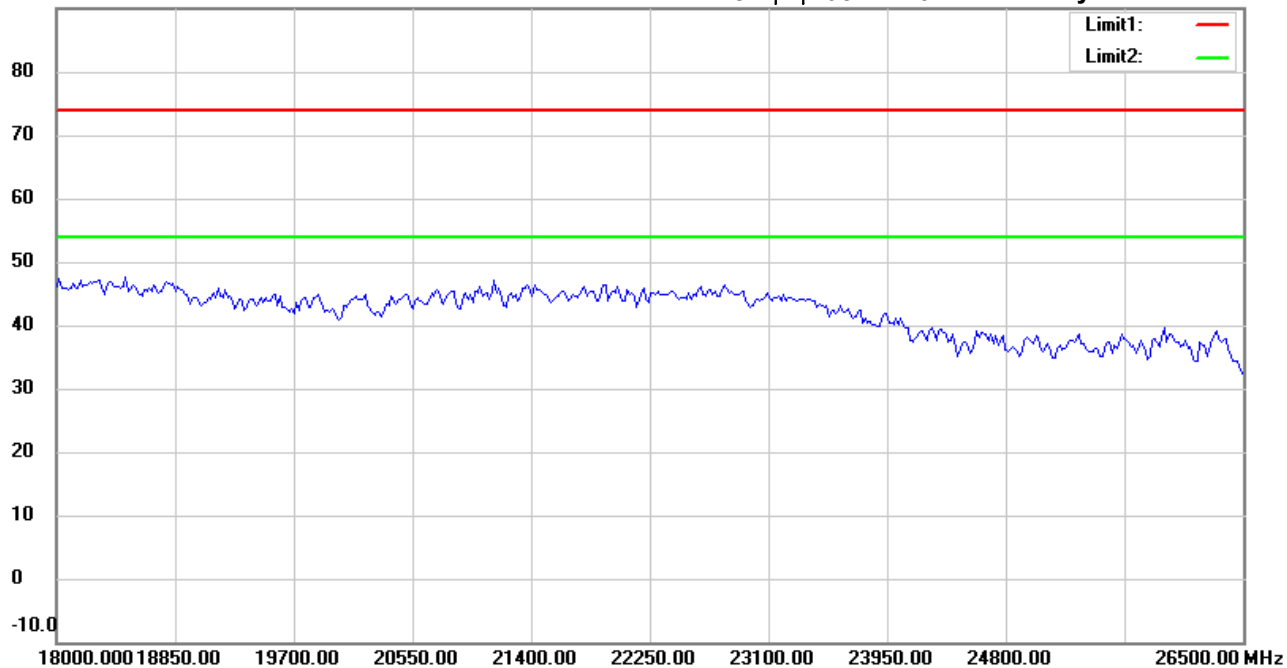
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:47:16

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Radiated Emission Measurement

Operator: Sky

File :1

Data :#1

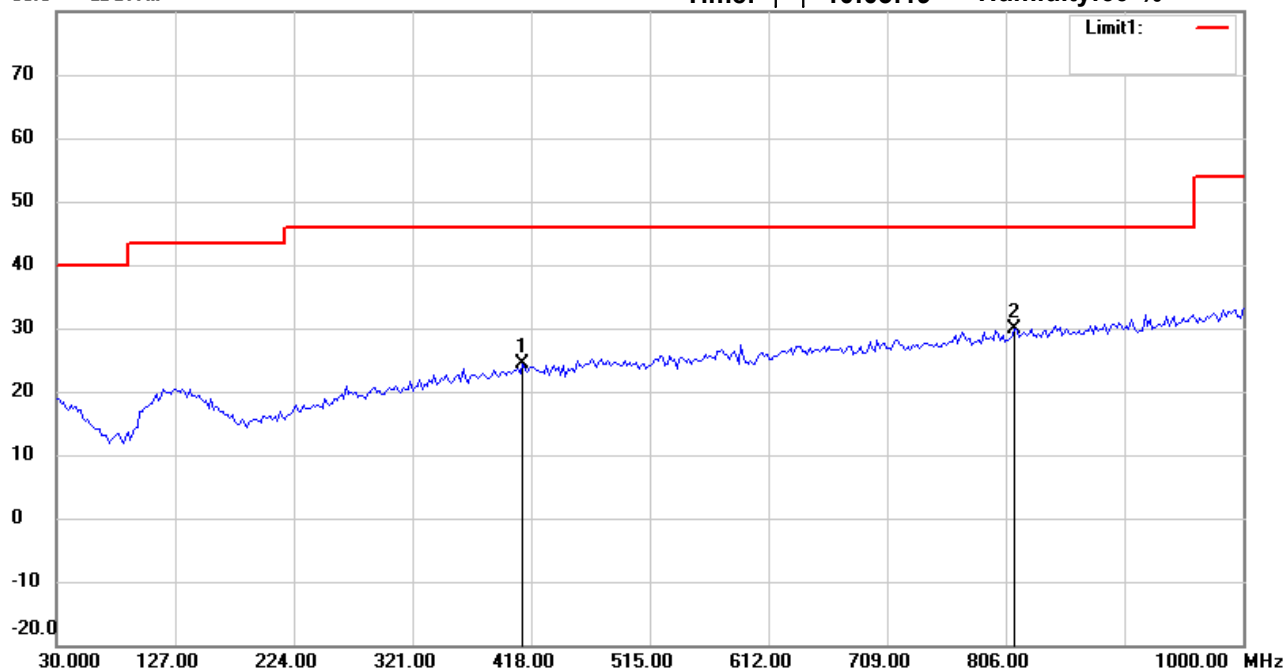
Date: 2017/11/2

Temperature: 24 °C

80.0 dBuV/m

Time: 下午 10:03:19

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

Polarization: *Horizontal*

EUT : W6M21710-17470

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX ANT+2457MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	411.0020	27.72	peak	-3.43	24.29	46.00	150	245	-21.71	
*	813.3867	28.22	peak	1.68	29.90	46.00	150	175	-16.10	



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Radiated Emission Measurement

Operator: Sky

File :1

Data :#2

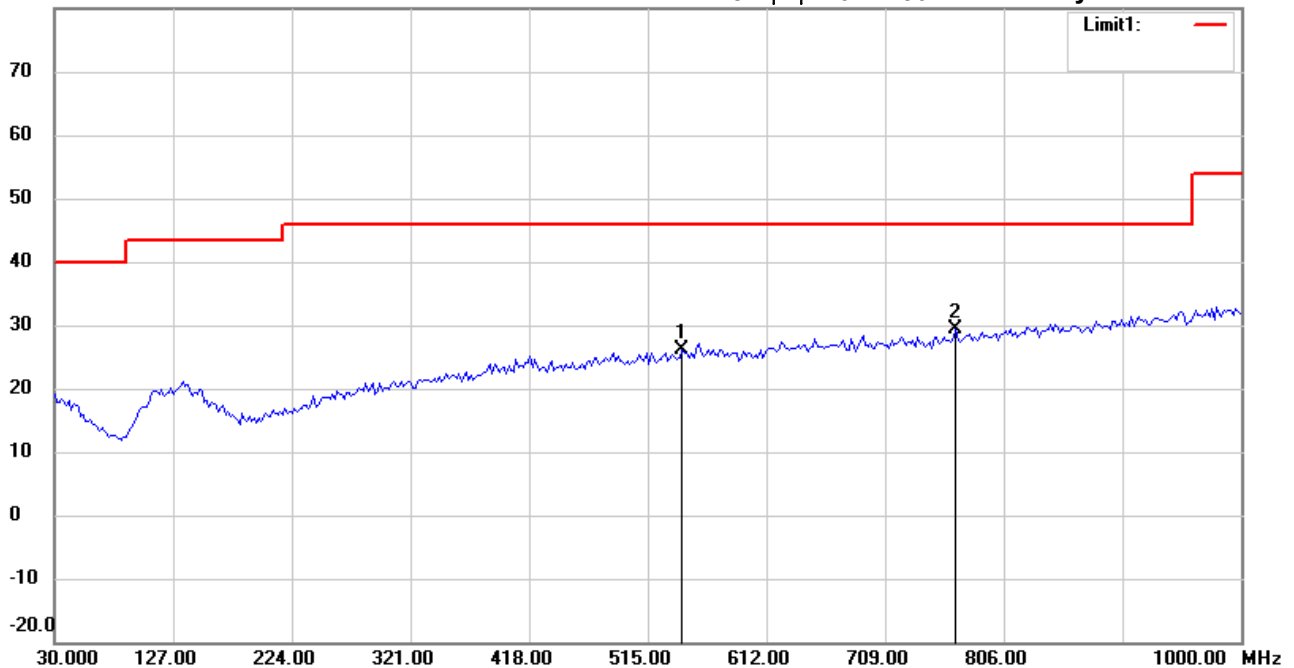
Date: 2017/11/2

Temperature: 24 °C

80.0 dBuV/m

Time: 下午 10:27:50

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX ANT+2457MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	543.1864	28.14	peak	-2.03	26.11	46.00	150	130	-19.89	
*	766.7335	28.53	peak	0.81	29.34	46.00	150	60	-16.66	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #1

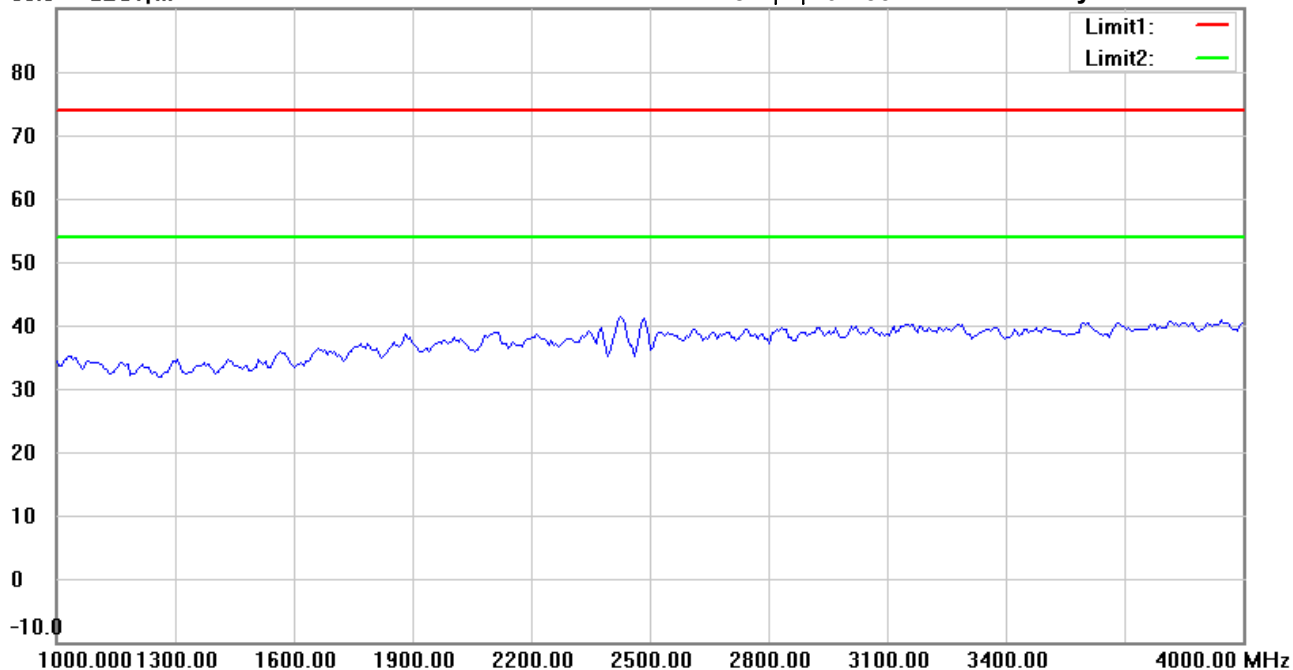
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 07:53:22

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX ANT+2457MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #6

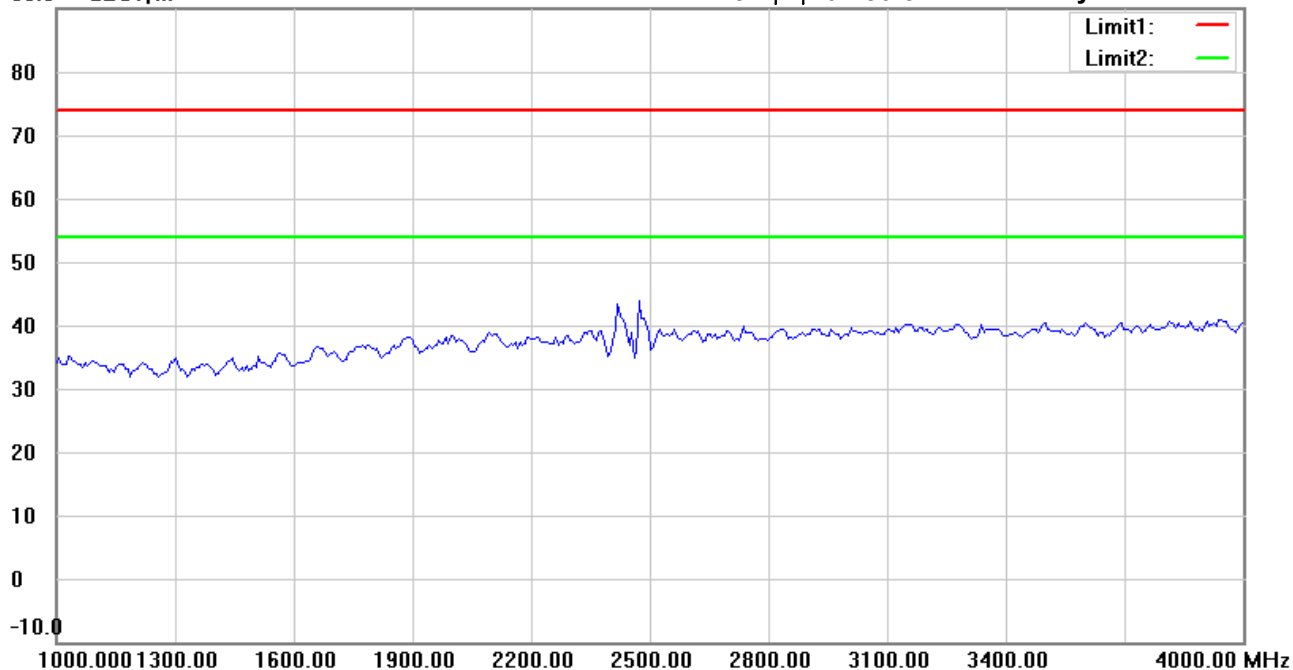
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 07:56:31

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

Polarization: **Vertical**

EUT : W6M21710-17470

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX ANT+2457MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #2

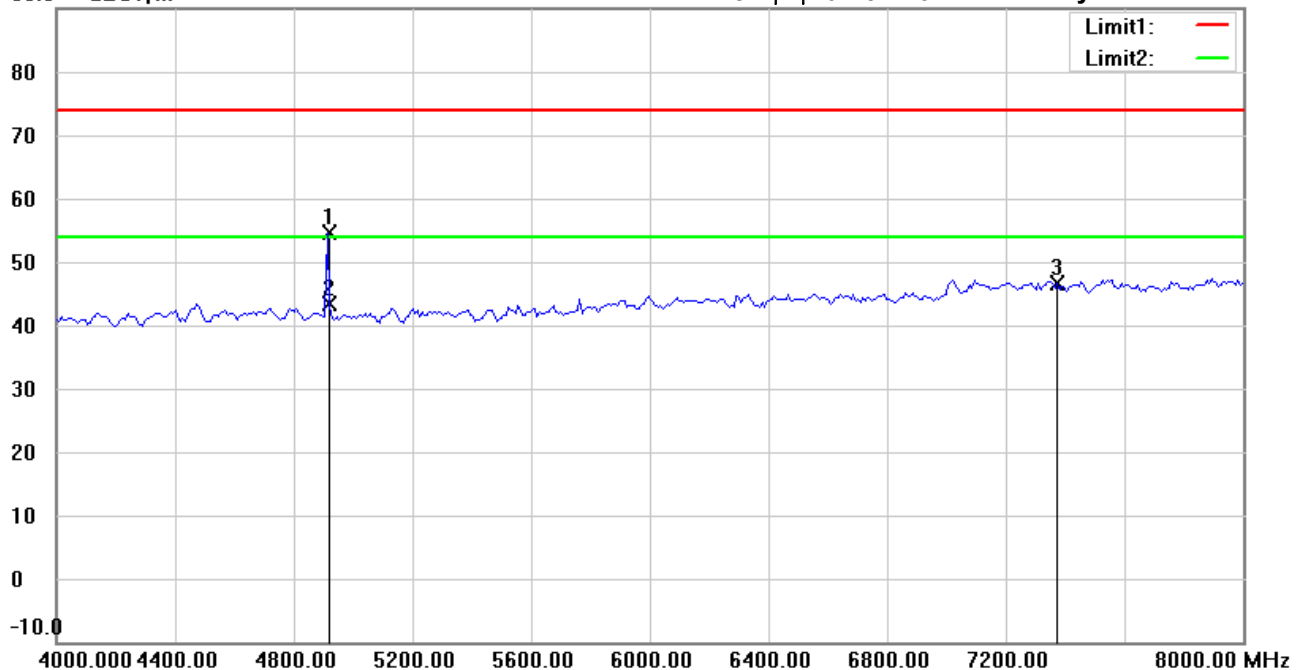
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 07:54:16

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX ANT+2457MHz

Note :

Polarization: **Horizontal**

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4913.998	54.51	peak	0.19	54.70	74.00	150	355	-19.30	
*	4913.998	43.14	AVG	0.19	43.33	54.00	150	355	-10.67	
	7371.000	41.49	peak	5.16	46.65	74.00	150	125	-27.35	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #7

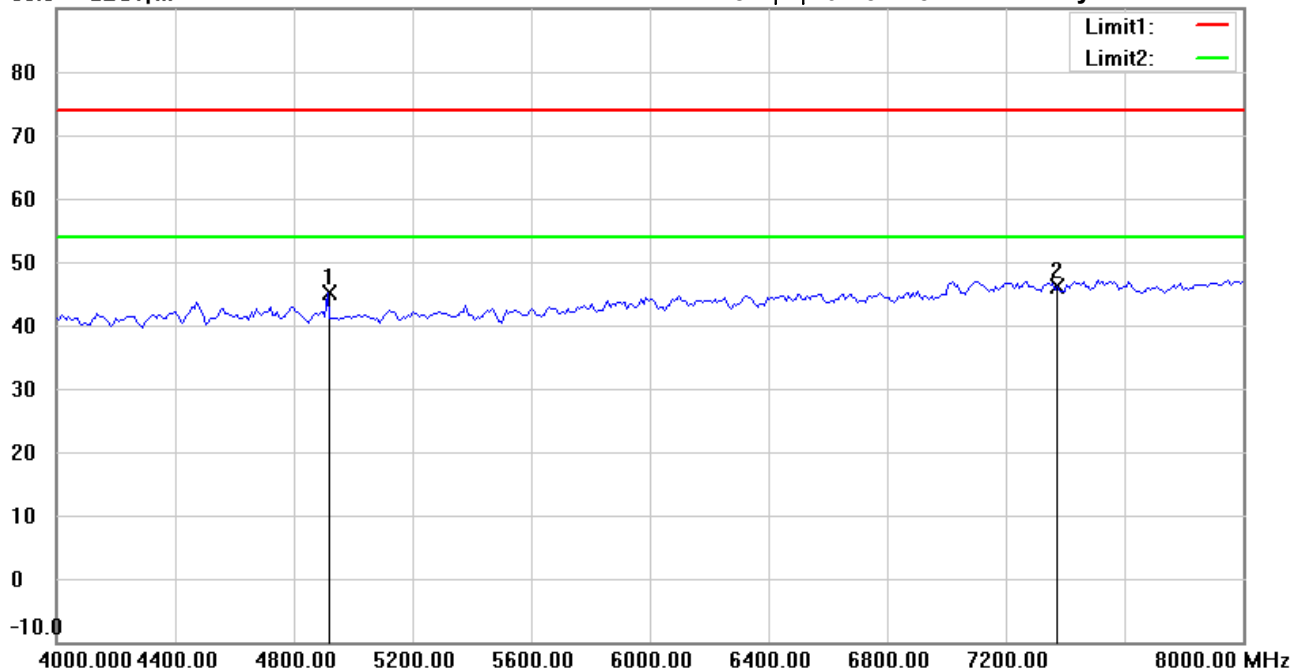
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 07:57:25

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX ANT+2457MHz

Note :

Polarization: **Vertical**

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4913.828	44.89	peak	0.19	45.08	74.00	150	210	-28.92	
*	7371.000	40.97	peak	5.16	46.13	74.00	150	115	-27.87	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#3

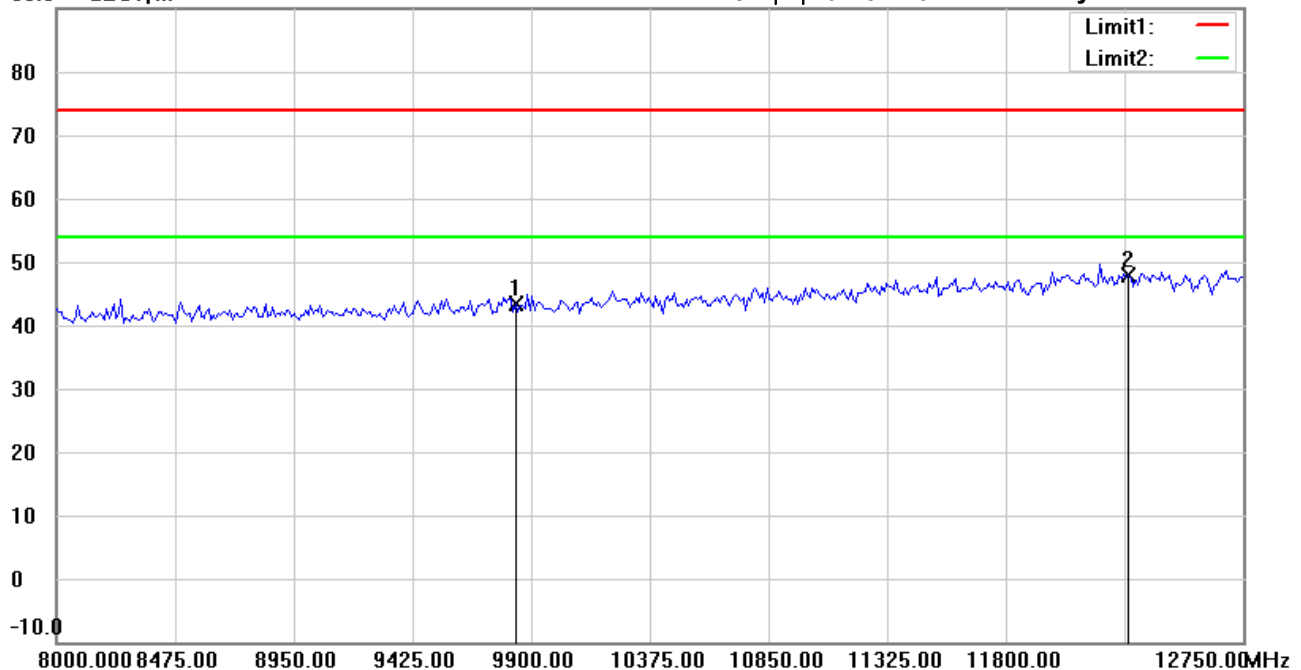
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 07:54:29

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX ANT+2457MHz

Note :

Polarization: **Horizontal**

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9828.000	34.97	peak	8.39	43.36	74.00	150	115	-30.64	
*	12285.000	33.95	peak	13.90	47.85	74.00	150	20	-26.15	

*:Maximum data x:Over limit !:over margin



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, Neihu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8875

Radiated Emission Measurement

Operator: Sky

File :3

Data :#8

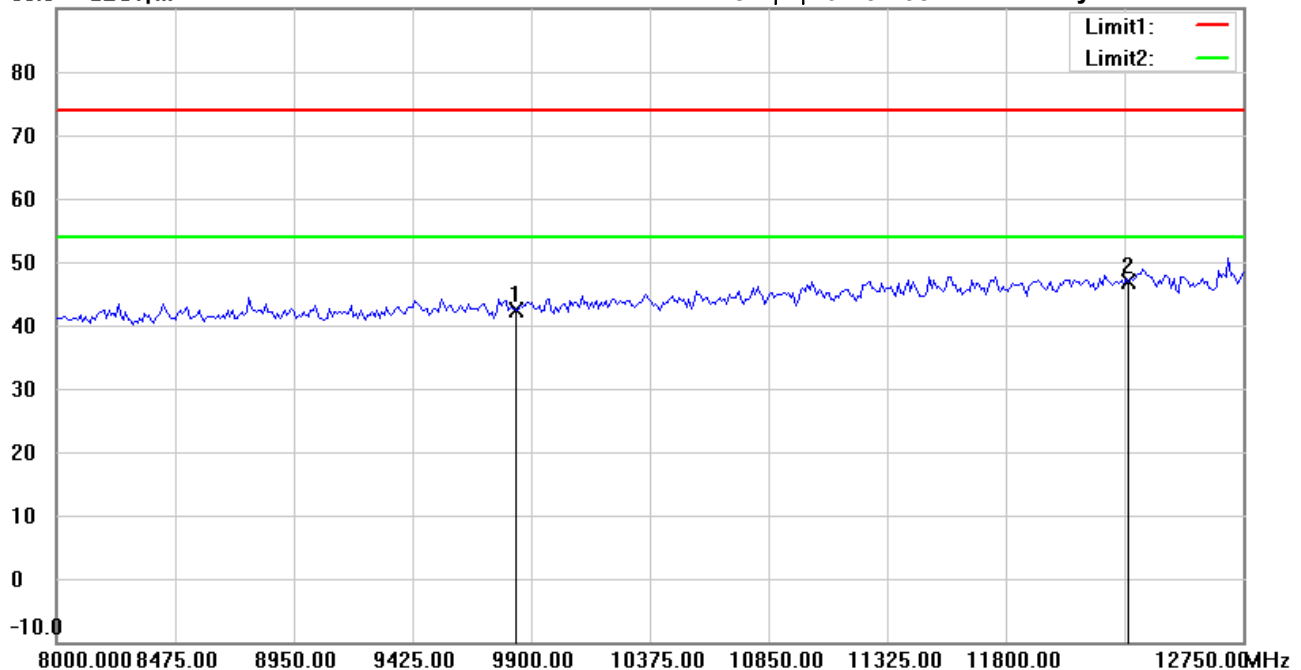
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 07:57:38

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX ANT+2457MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9828.000	33.92	peak	8.39	42.31	74.00	150	200	-31.69	
*	12285.000	32.98	peak	13.90	46.88	74.00	150	170	-27.12	

*:Maximum data x:Over limit !:over margin



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Tel: +886-2-6606-8877
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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #4

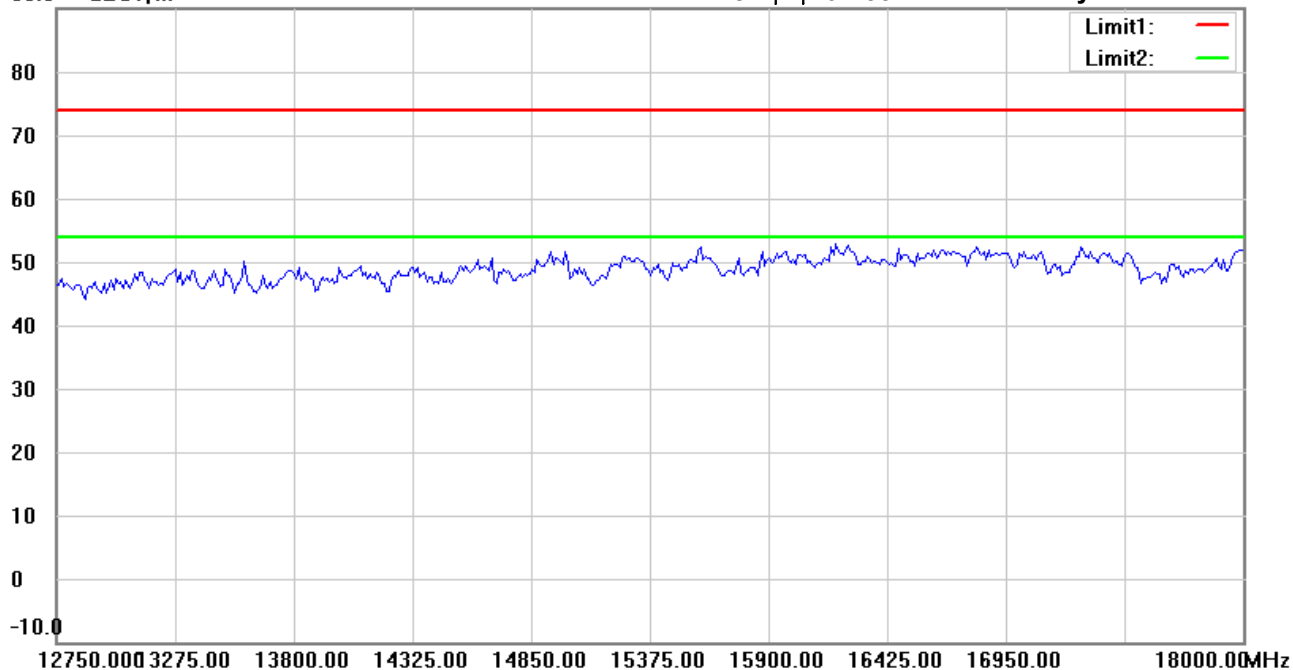
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 07:55:27

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX ANT+2457MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Tel: +886-2-6606-8877
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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #9

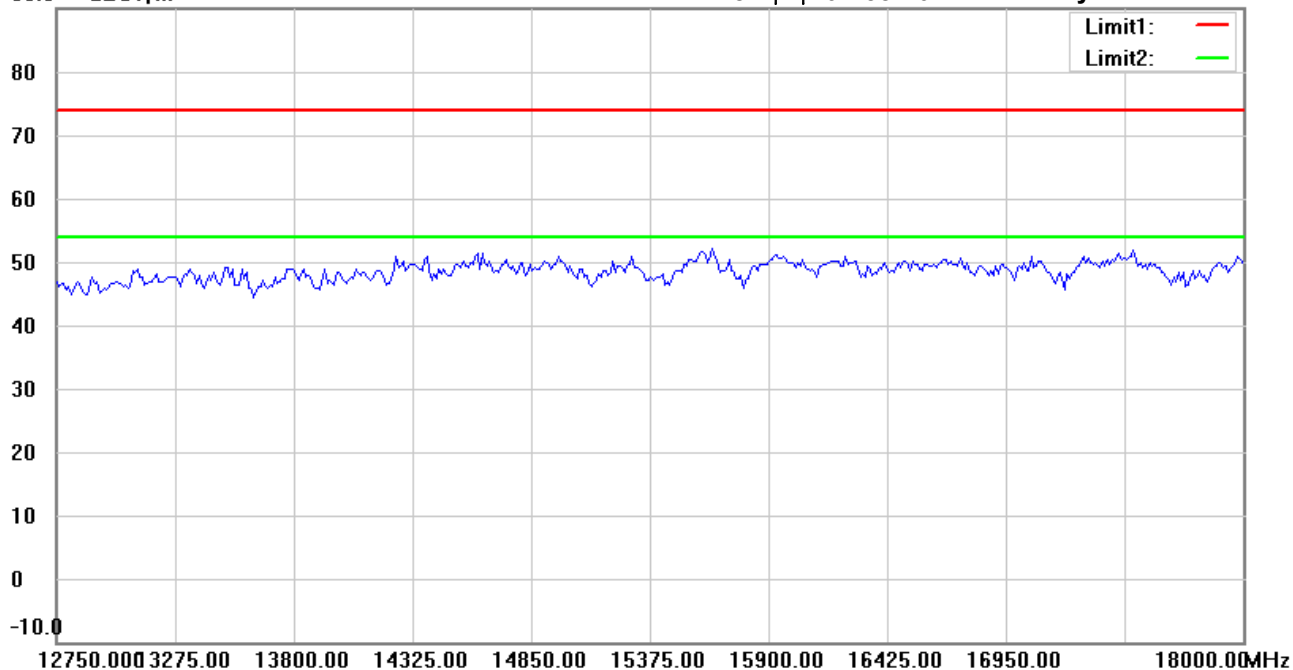
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 07:58:40

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

Polarization: Vertical

EUT : W6M21710-17470

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX ANT+2457MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #5

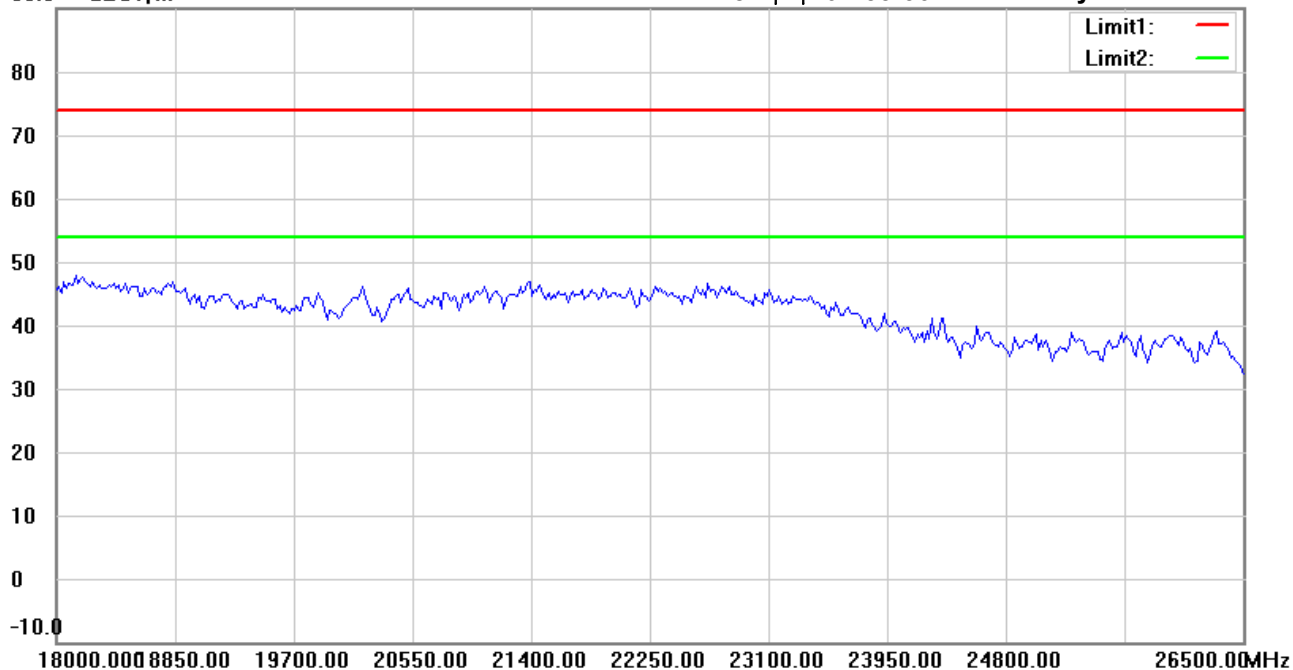
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 07:55:36

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX ANT+2457MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Tel: +886-2-6606-8877
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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #10

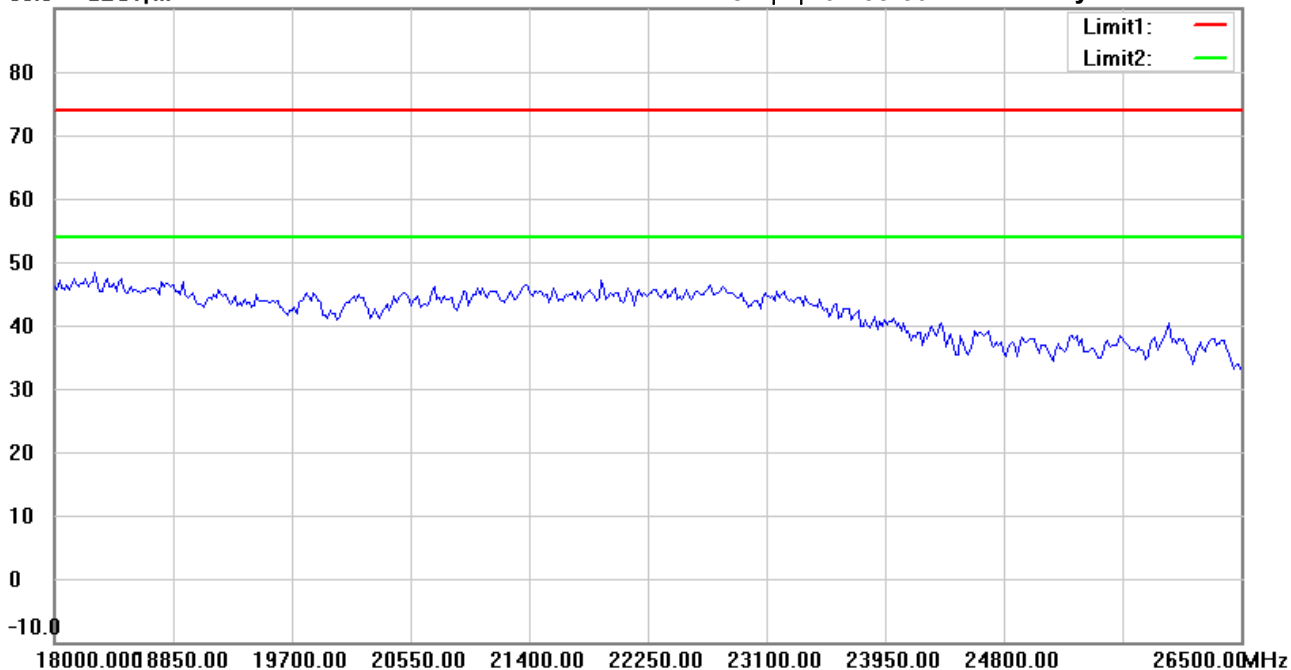
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 07:58:50

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : TX ANT+2457MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

*:Maximum data x:Over limit !:over margin



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Tel: +886-2-6606-8877
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Radiated Emission Measurement

Operator: Sky

File :1

Data :#1

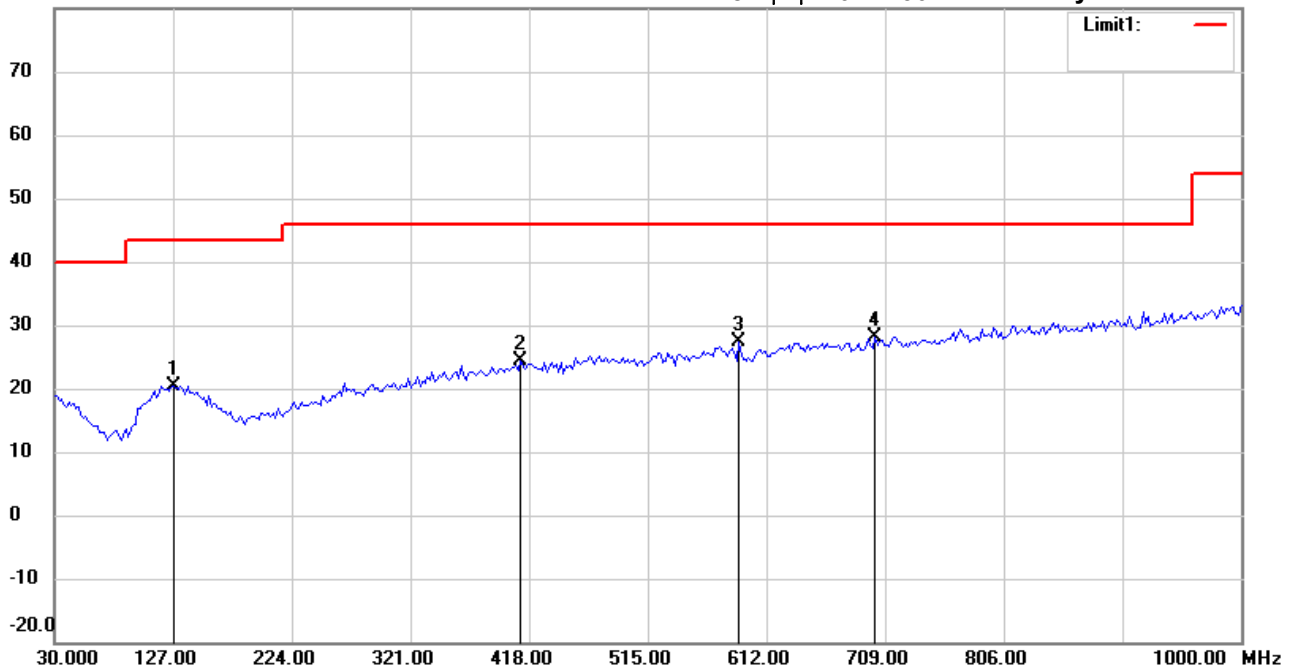
Date: 2017/11/2

Temperature: 24 °C

80.0 dBuV/m

Time: 下午 10:11:30

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2402MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	127.1944	27.11	peak	-6.71	20.40	43.50	100	30	-23.10	
	411.0020	27.72	peak	-3.43	24.29	46.00	100	140	-21.71	
	589.8396	29.29	peak	-1.83	27.46	46.00	100	90	-18.54	
*	700.6413	28.34	peak	-0.32	28.02	46.00	100	285	-17.98	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File :1

Data :#2

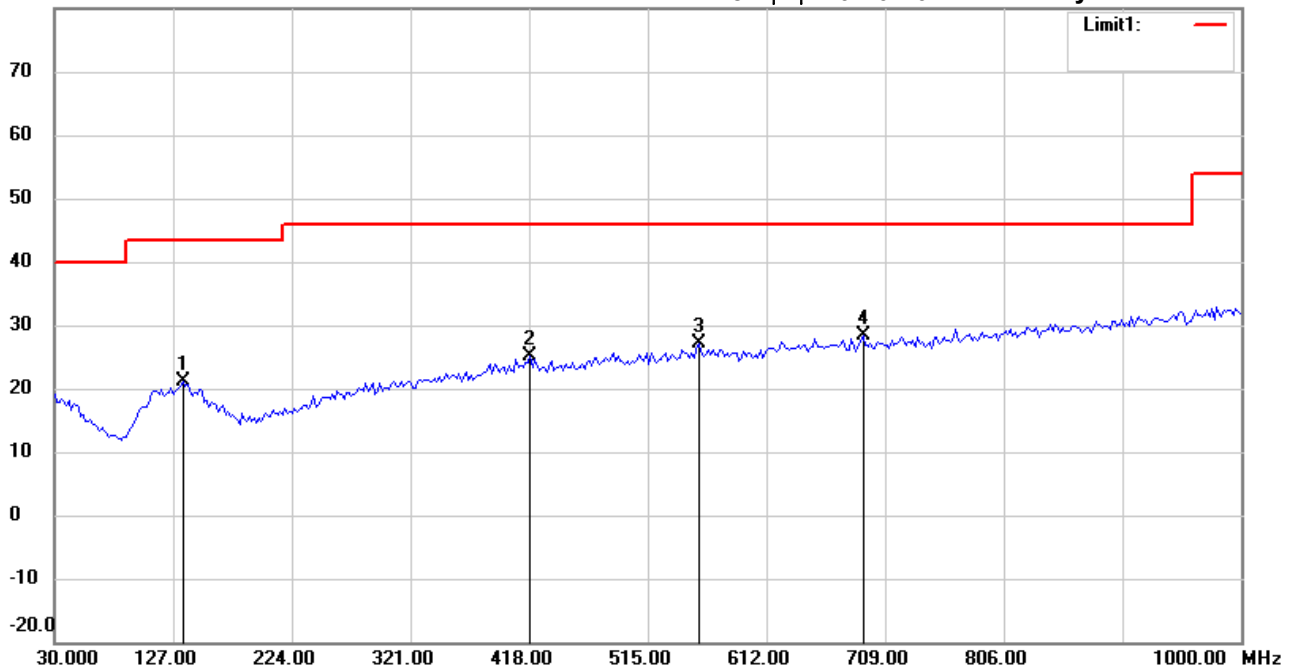
Date: 2017/11/2

Temperature: 24 °C

80.0 dBuV/m

Time: 下午 10:10:40

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2402MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	134.9696	27.76	peak	-6.75	21.01	43.50	100	155	-22.49	
	418.7776	28.38	peak	-3.34	25.04	46.00	100	245	-20.96	
	556.7934	28.92	peak	-1.86	27.06	46.00	100	125	-18.94	
*	690.9215	28.78	peak	-0.31	28.47	46.00	100	90	-17.53	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #1

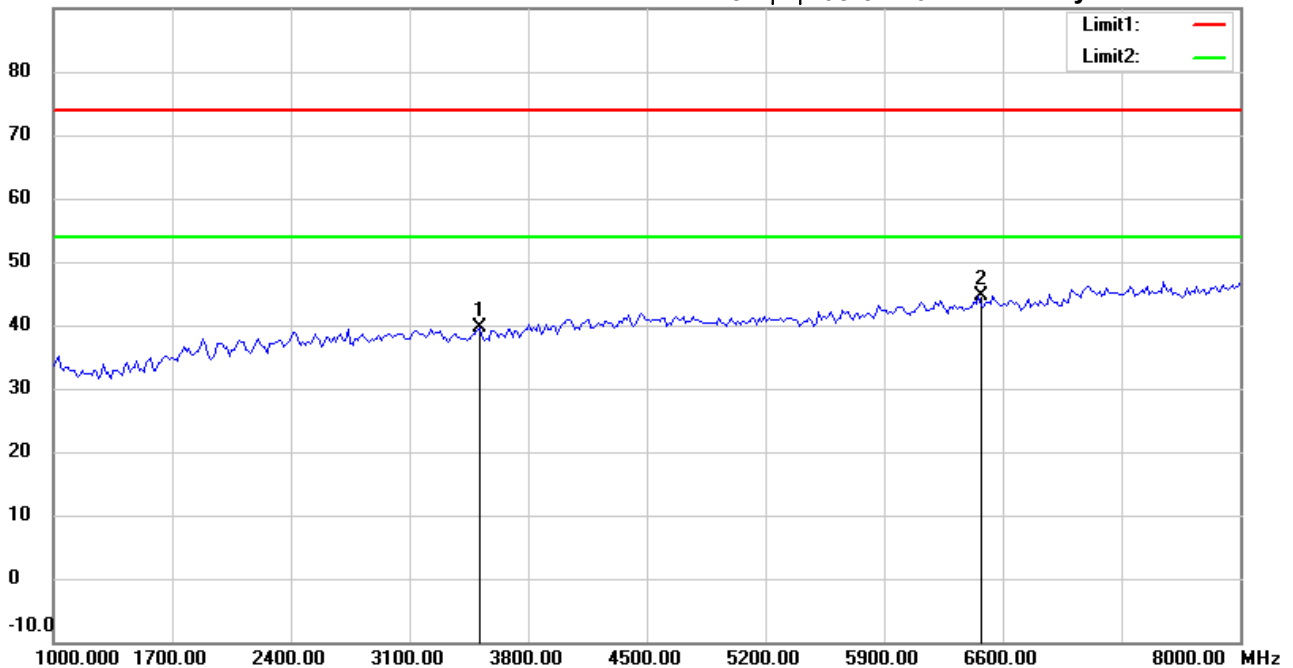
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:51:40

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2402MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	3511.022	41.82	peak	-2.30	39.52	74.00	150	310	-34.48	
*	6456.914	40.68	peak	3.86	44.54	74.00	150	200	-29.46	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #5

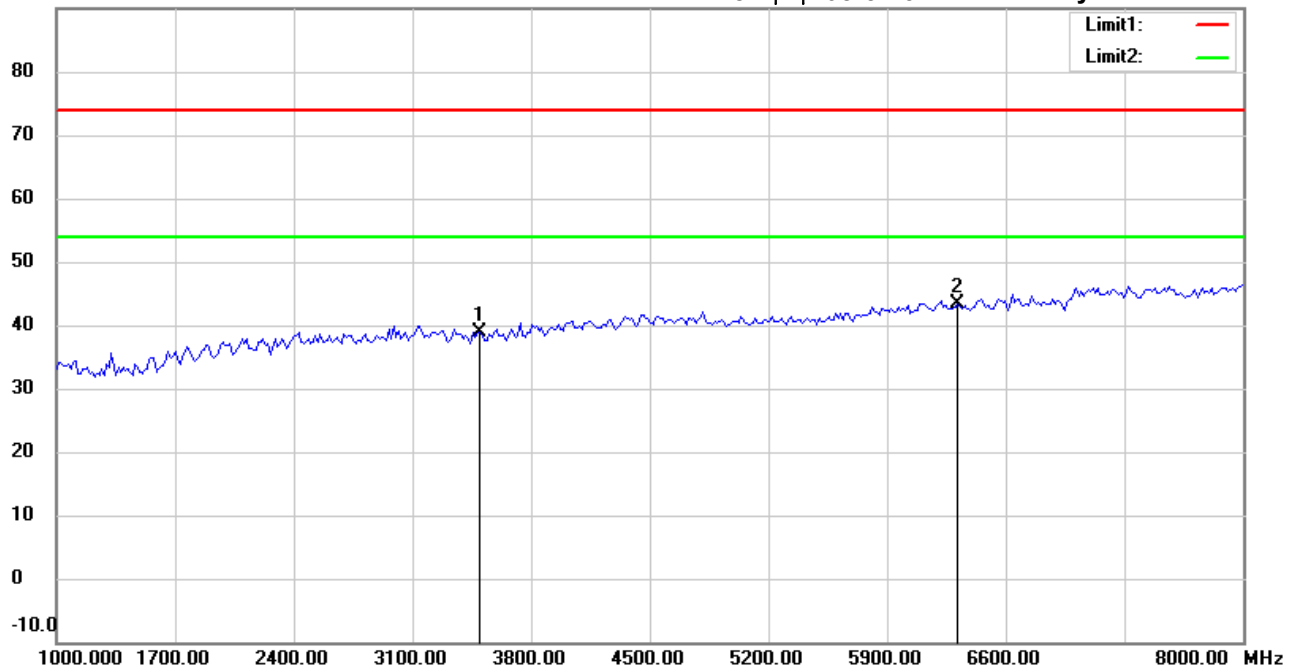
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:52:34

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2402MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	3482.966	41.32	peak	-2.43	38.89	74.00	150	115	-35.11	
*	6316.633	39.69	peak	3.61	43.30	74.00	150	70	-30.70	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #2

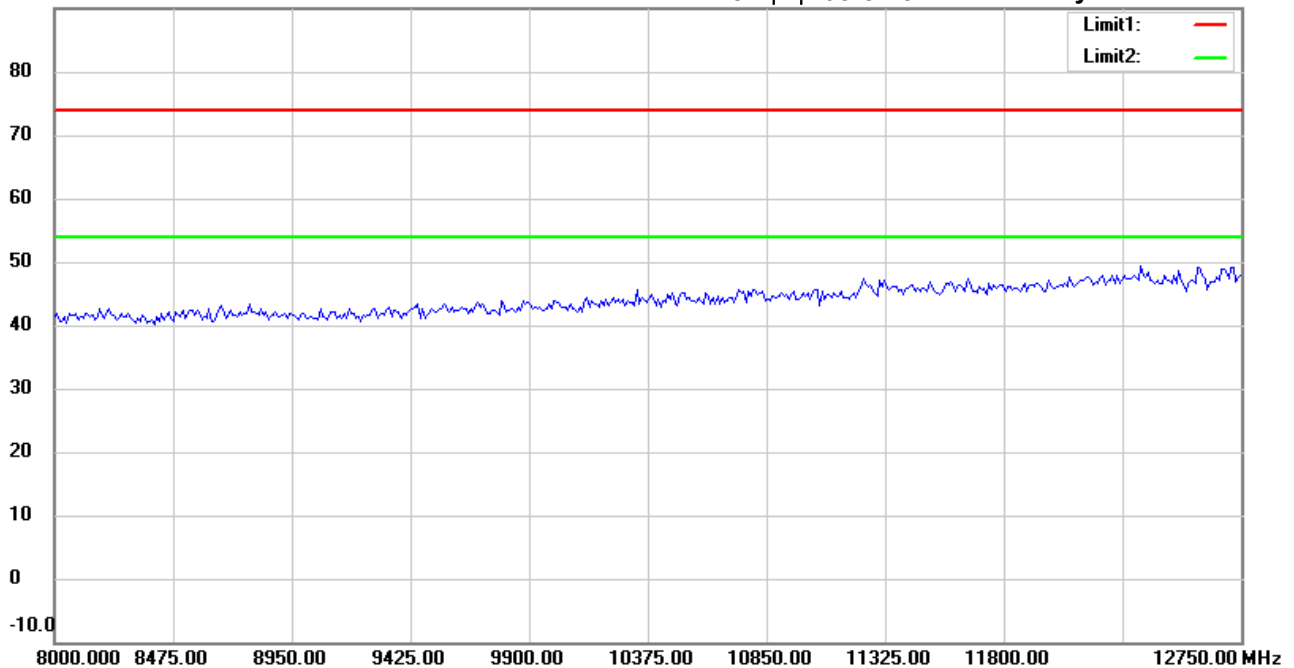
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:51:52

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2402MHz

Note :

Polarization: Horizontal

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Tel: +886-2-6606-8877
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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #6

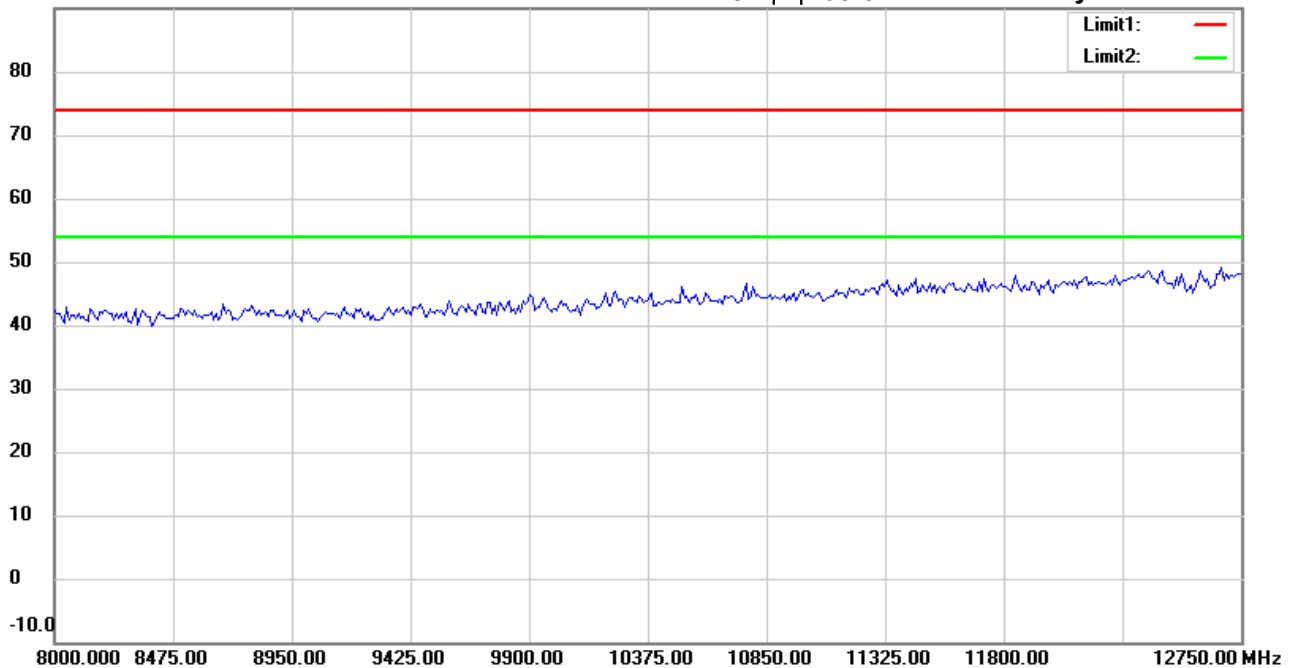
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:52:47

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2402MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Tel: +886-2-6606-8877
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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #3

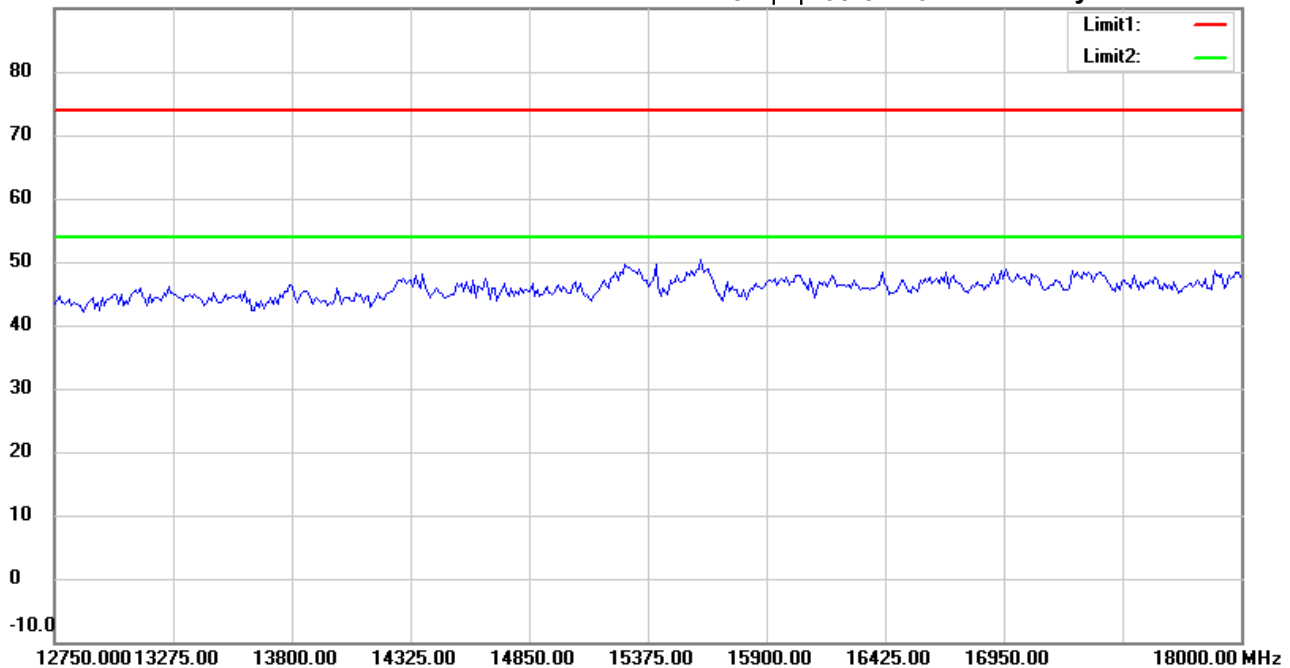
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:52:16

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2402MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #7

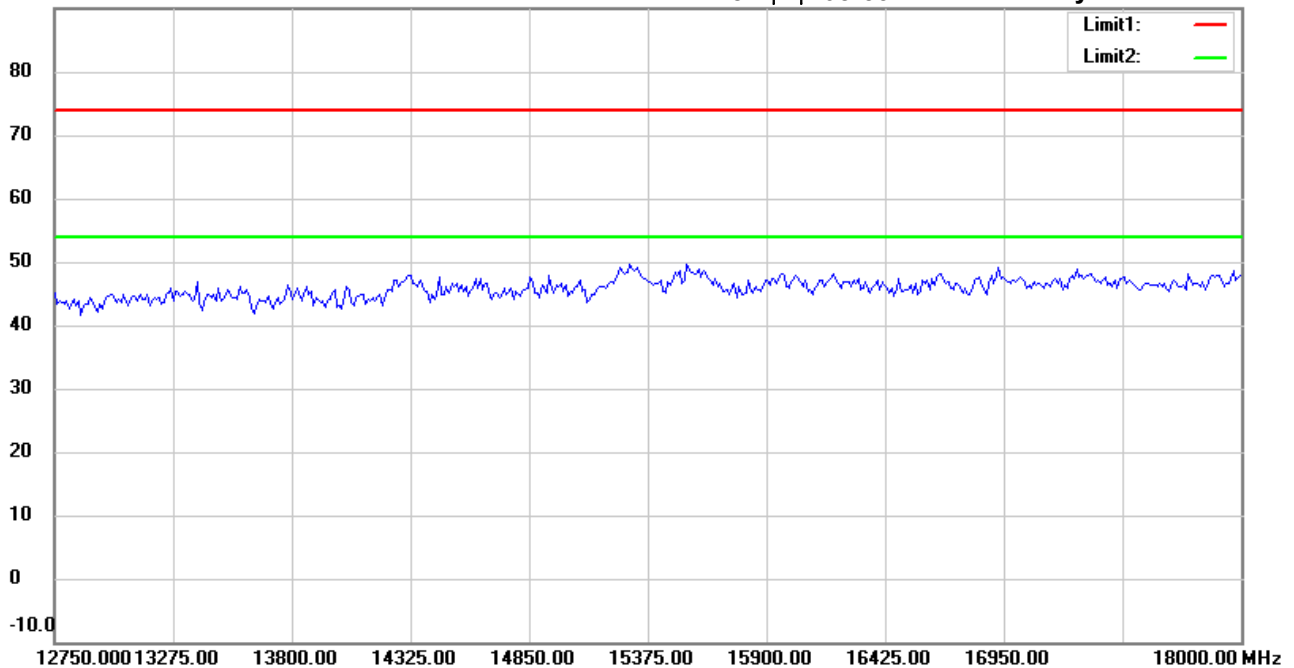
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:53:11

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2402MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #4

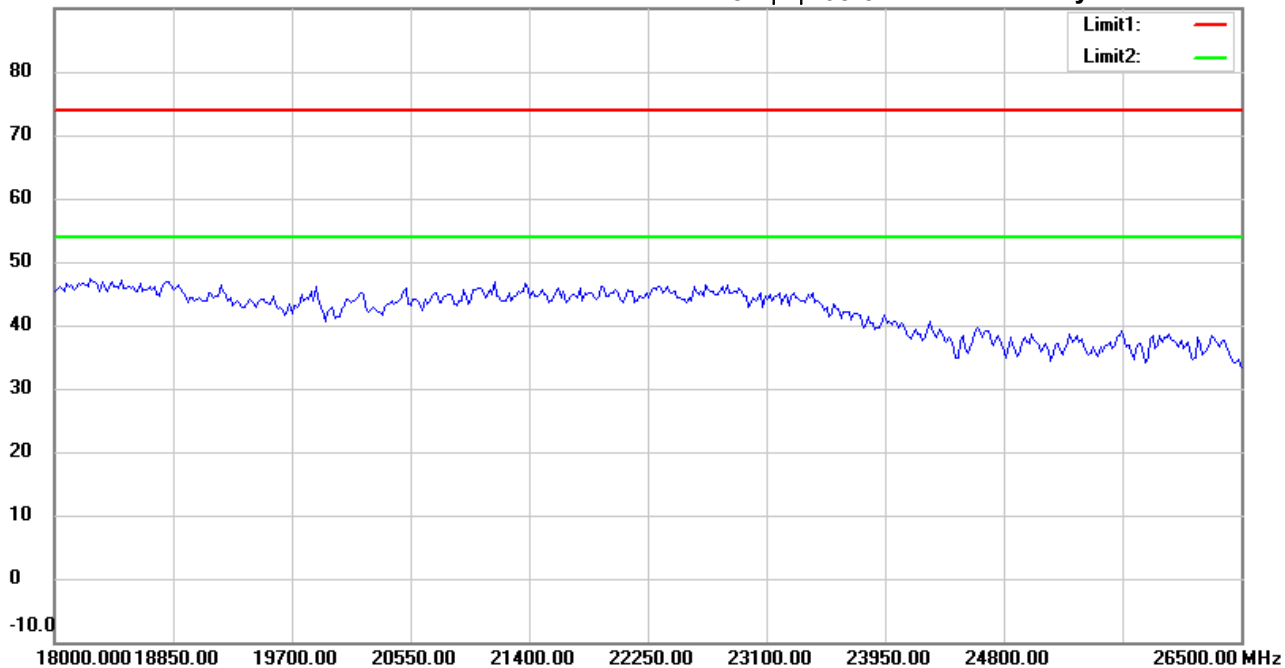
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:52:27

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2402MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #8

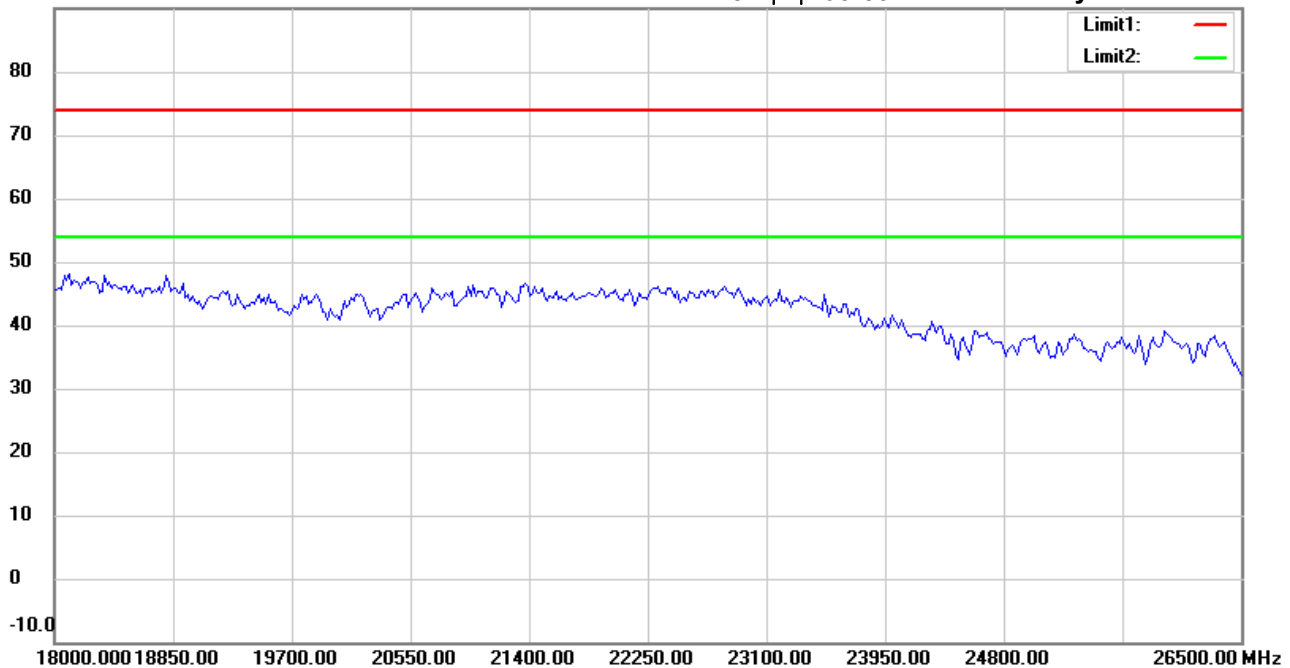
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:53:21

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2402MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

*:Maximum data x:Over limit !:over margin



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Tel: +886-2-6606-8877
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Radiated Emission Measurement

Operator: Sky

File :1

Data :#1

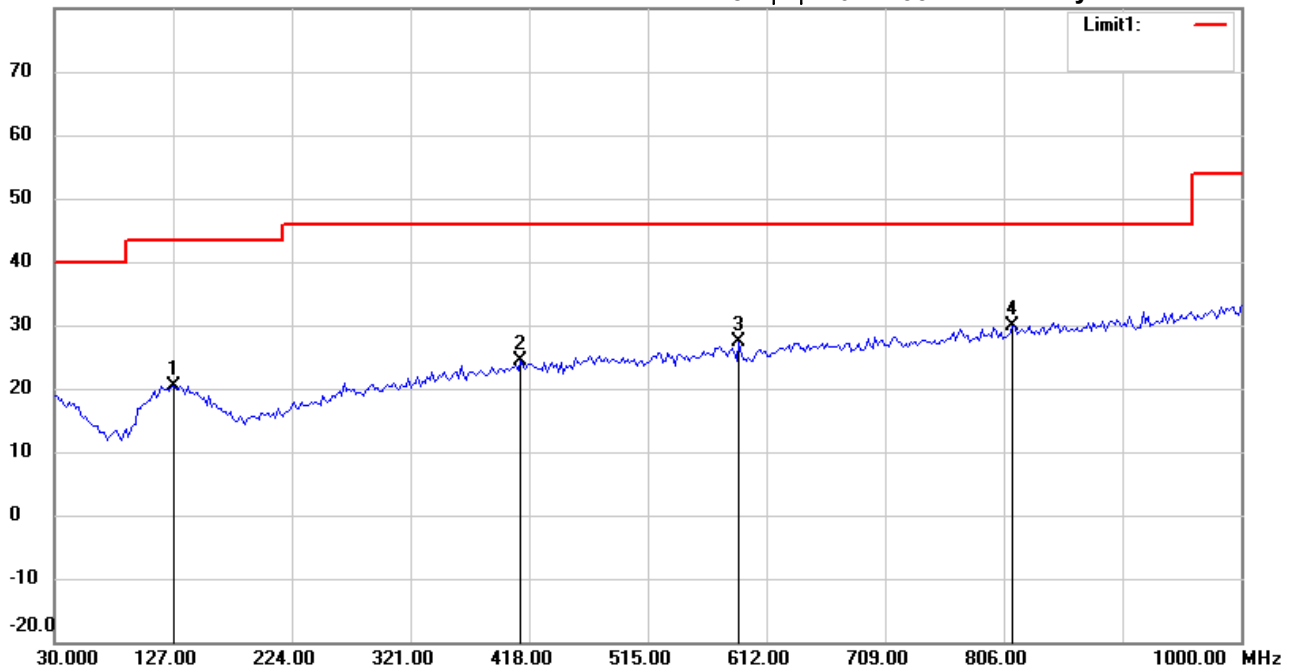
Date: 2017/11/2

Temperature: 24 °C

80.0 dBuV/m

Time: 下午 10:12:35

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	127.1944	27.11	peak	-6.71	20.40	43.50	100	85	-23.10	
	411.0020	27.72	peak	-3.43	24.29	46.00	100	130	-21.71	
	589.8396	29.29	peak	-1.83	27.46	46.00	100	105	-18.54	
*	813.3867	28.22	peak	1.68	29.90	46.00	100	210	-16.10	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File :1

Data :#2

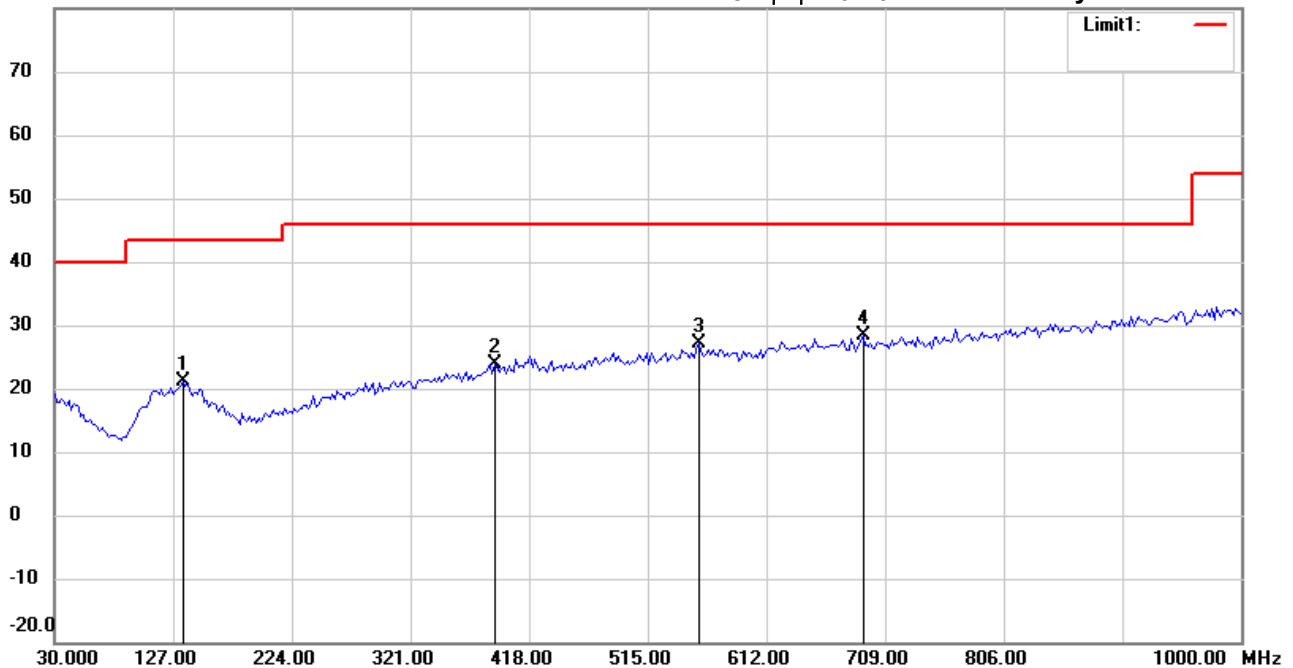
Date: 2017/11/2

Temperature: 24 °C

80.0 dBuV/m

Time: 下午 10:13:44

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: **Vertical**

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	134.9696	27.76	peak	-6.75	21.01	43.50	100	150	-22.49	
	389.6191	27.60	peak	-3.78	23.82	46.00	100	20	-22.18	
	556.7934	28.92	peak	-1.86	27.06	46.00	100	195	-18.94	
*	690.9215	28.78	peak	-0.31	28.47	46.00	100	45	-17.53	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #1

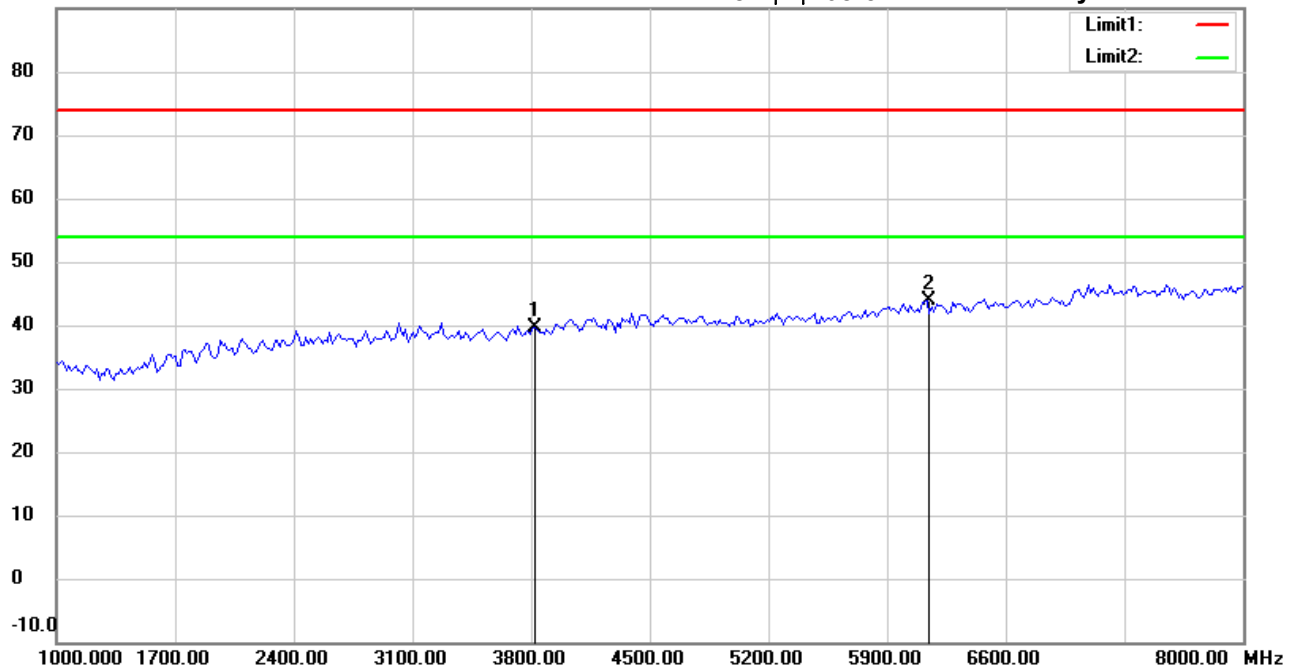
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:54:44

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	3819.639	41.03	peak	-1.47	39.56	74.00	150	210	-34.44	
*	6134.269	40.51	peak	3.30	43.81	74.00	150	60	-30.19	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #5

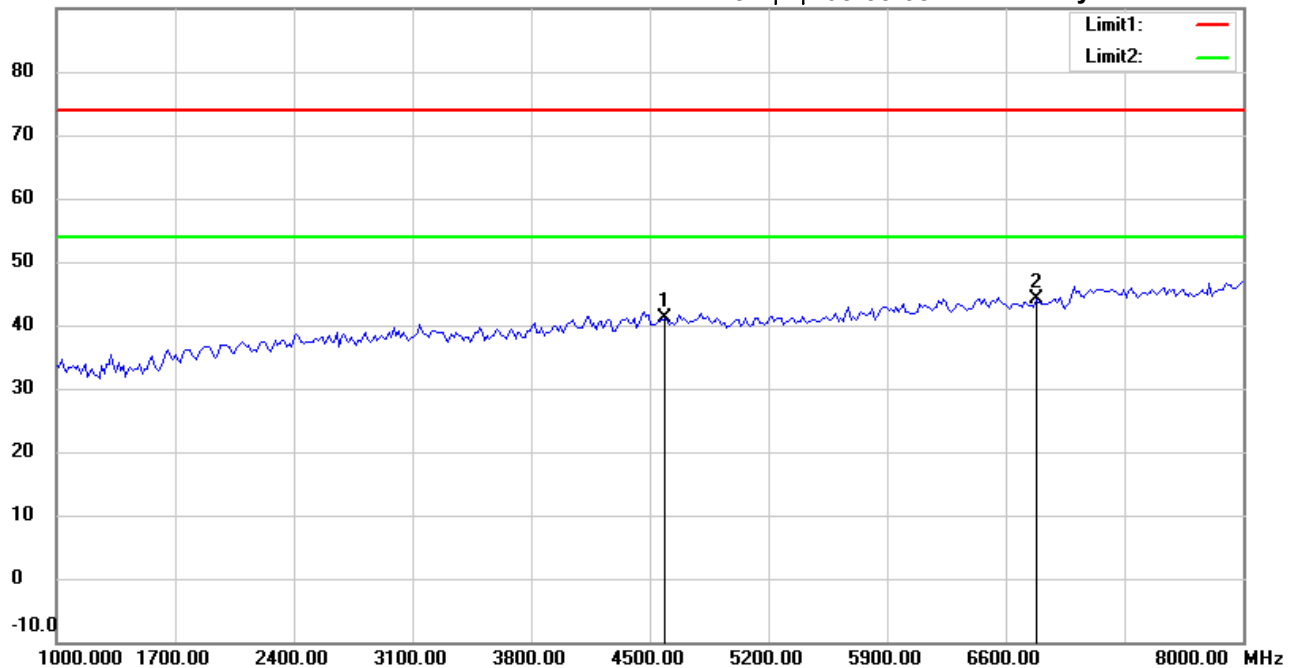
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:55:38

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4591.182	41.31	peak	-0.07	41.24	74.00	150	185	-32.76	
*	6779.559	39.61	peak	4.47	44.08	74.00	150	70	-29.92	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #2

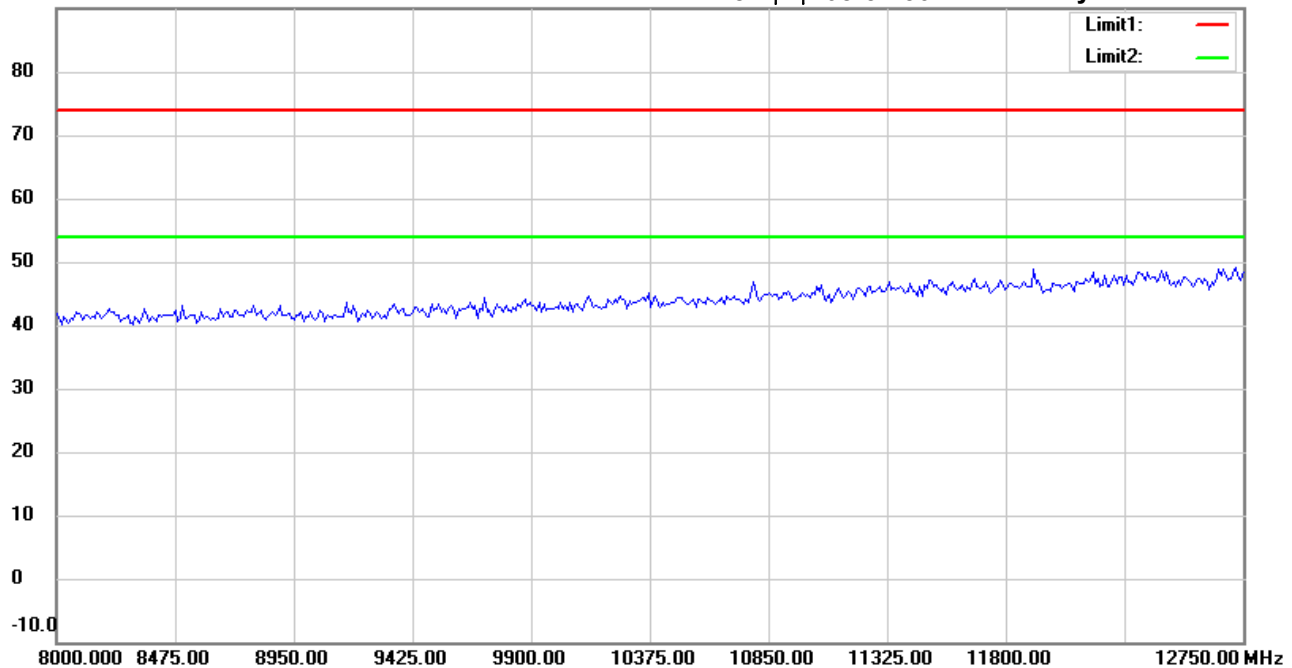
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:54:56

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #6

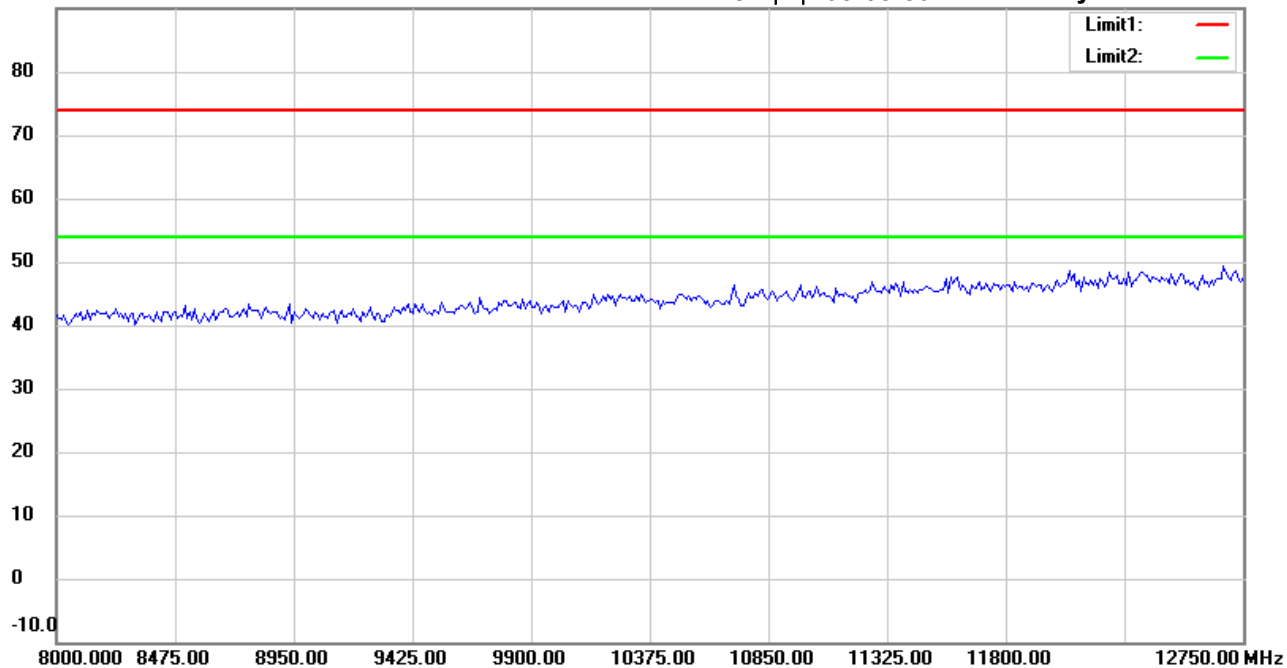
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:55:50

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #3

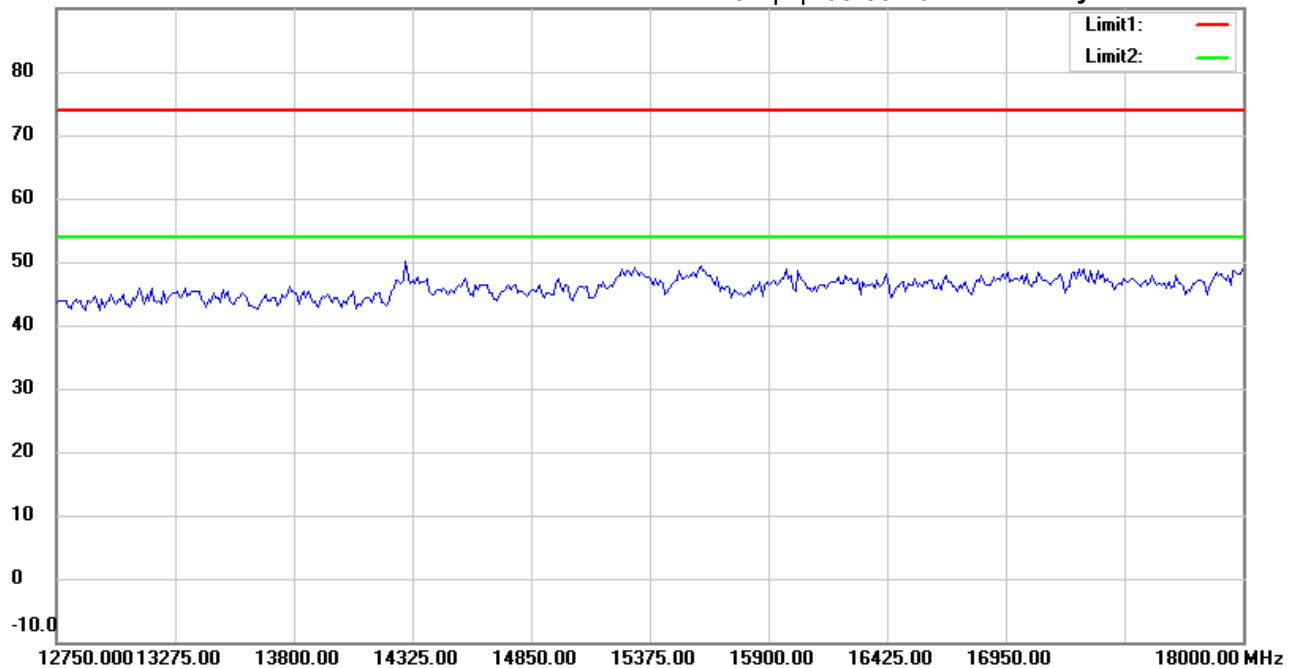
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:55:20

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #7

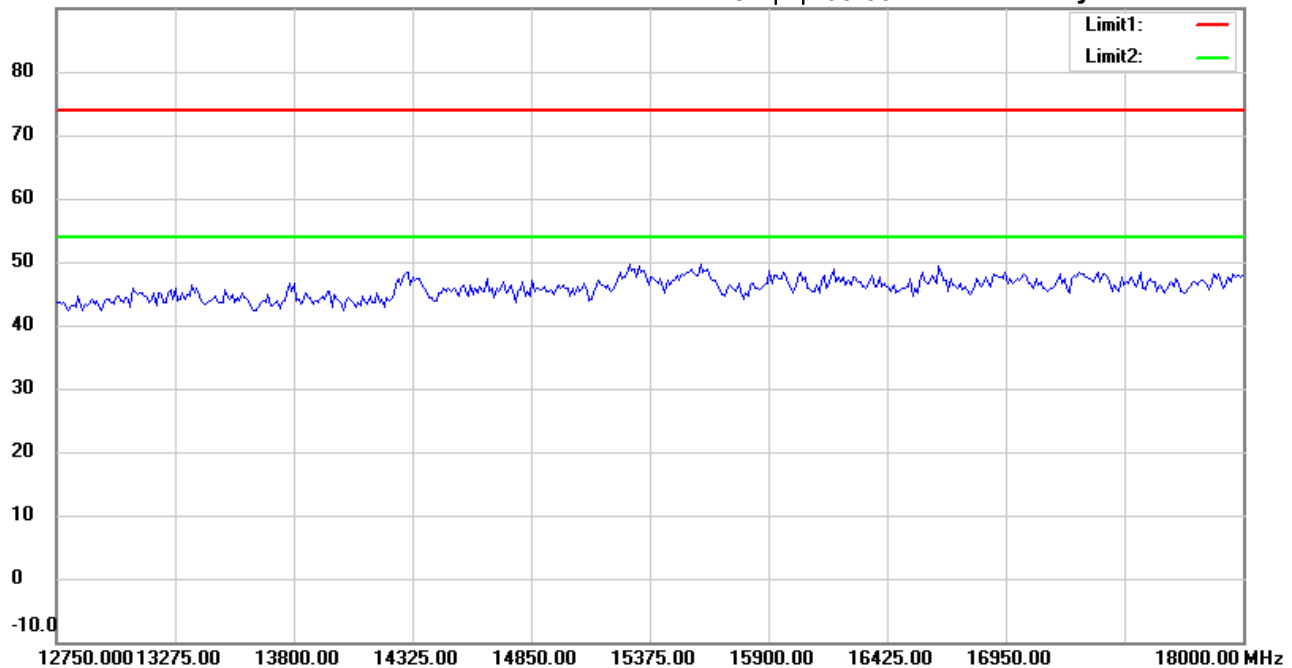
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:56:14

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

Polarization: Vertical

EUT : W6M21710-17470

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : RX 2440MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #4

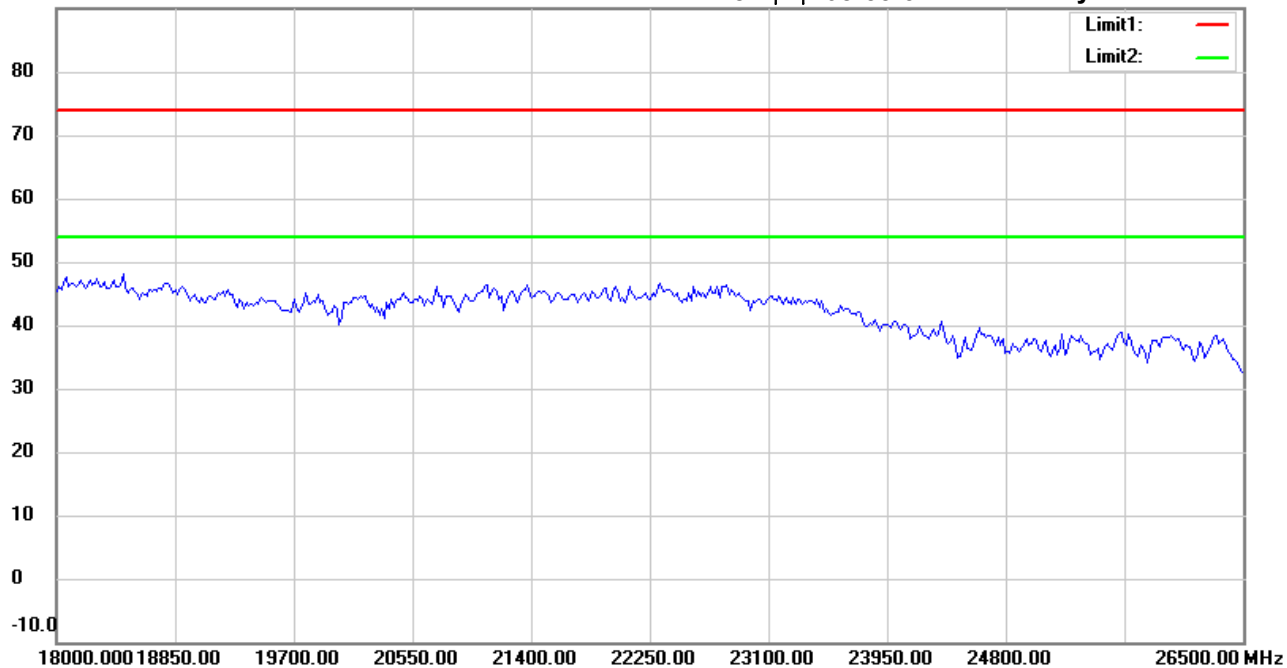
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:55:31

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #8

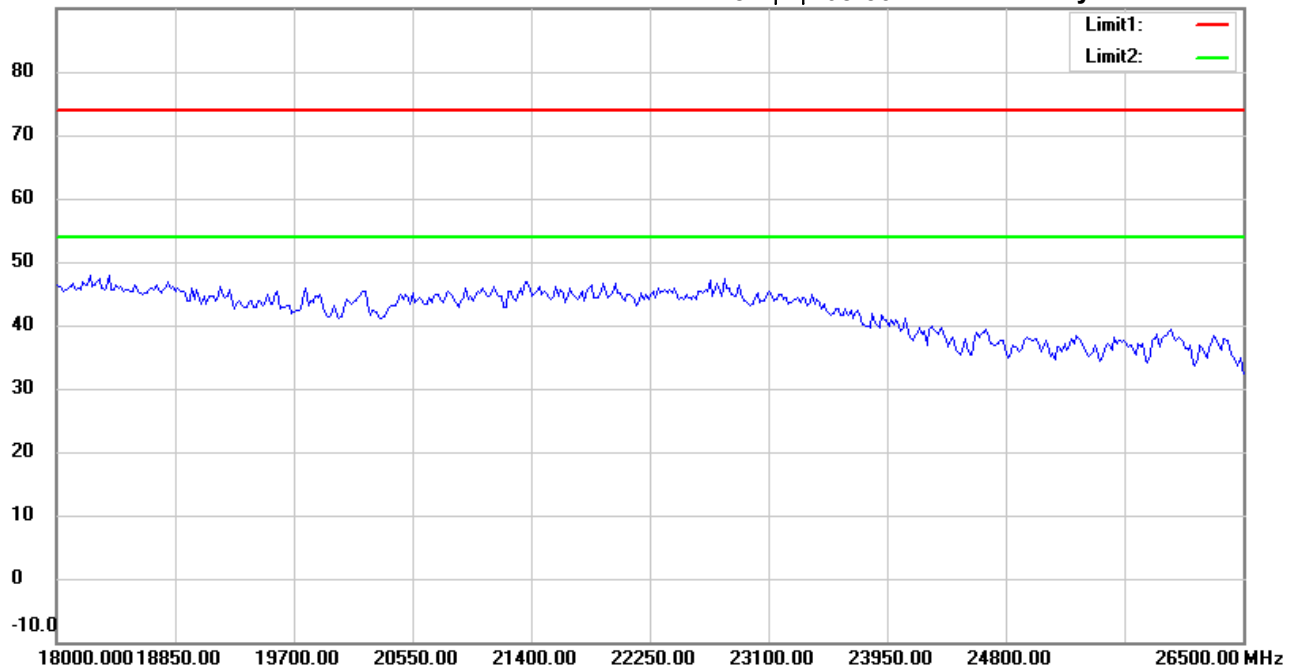
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:56:24

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: *Vertical*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File :1

Data :#1

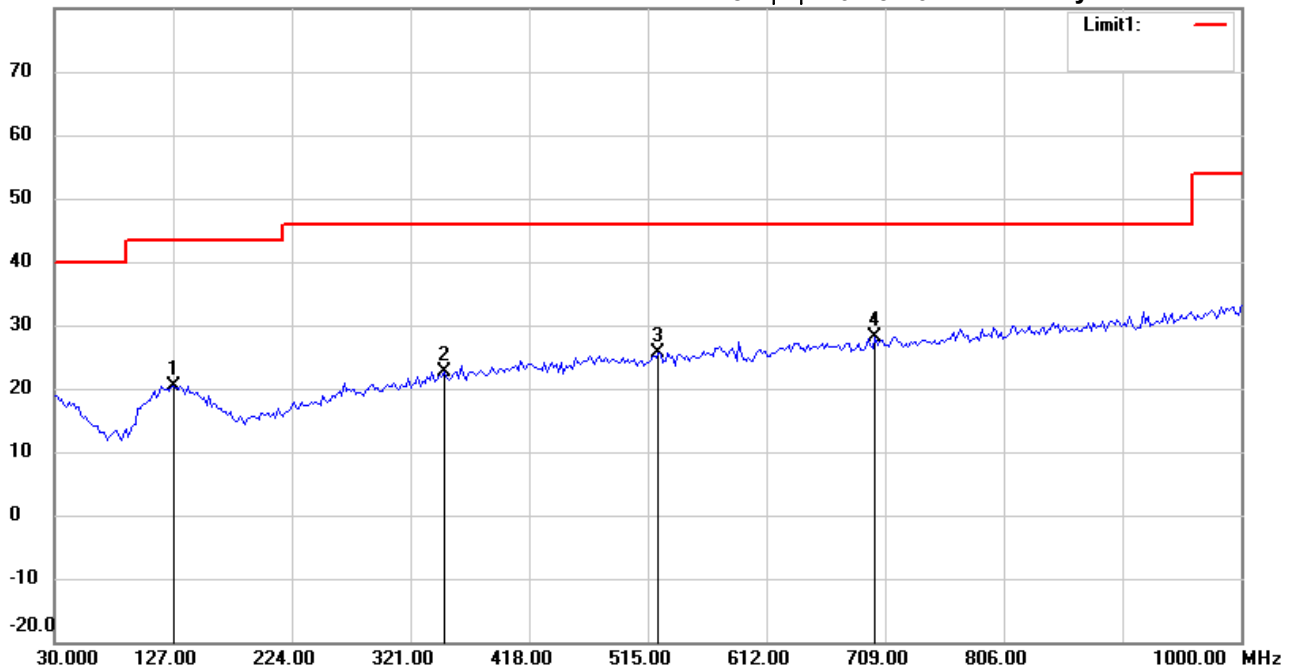
Date: 2017/11/2

Temperature: 24 °C

80.0 dBuV/m

Time: 下午 10:15:26

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	127.1944	27.11	peak	-6.71	20.40	43.50	100	20	-23.10	
	348.7974	27.47	peak	-4.75	22.72	46.00	100	165	-23.28	
	523.7471	27.89	peak	-2.38	25.51	46.00	100	135	-20.49	
*	700.6413	28.34	peak	-0.32	28.02	46.00	100	255	-17.98	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File :1

Data :#2

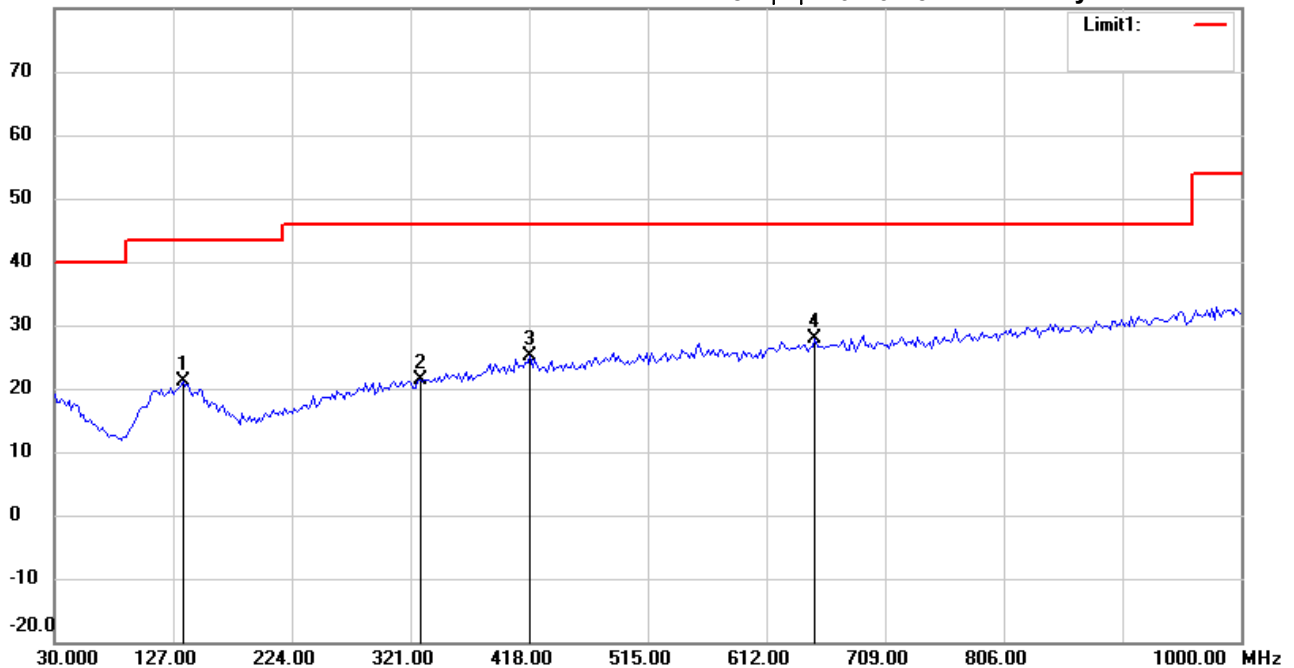
Date: 2017/11/2

Temperature: 24 °C

80.0 dBuV/m

Time: 下午 10:16:25

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	134.9696	27.76	peak	-6.75	21.01	43.50	100	195	-22.49	
	329.3586	26.58	peak	-5.18	21.40	46.00	100	175	-24.60	
	418.7776	28.38	peak	-3.34	25.04	46.00	100	225	-20.96	
*	652.0440	28.03	peak	-0.22	27.81	46.00	100	100	-18.19	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #1

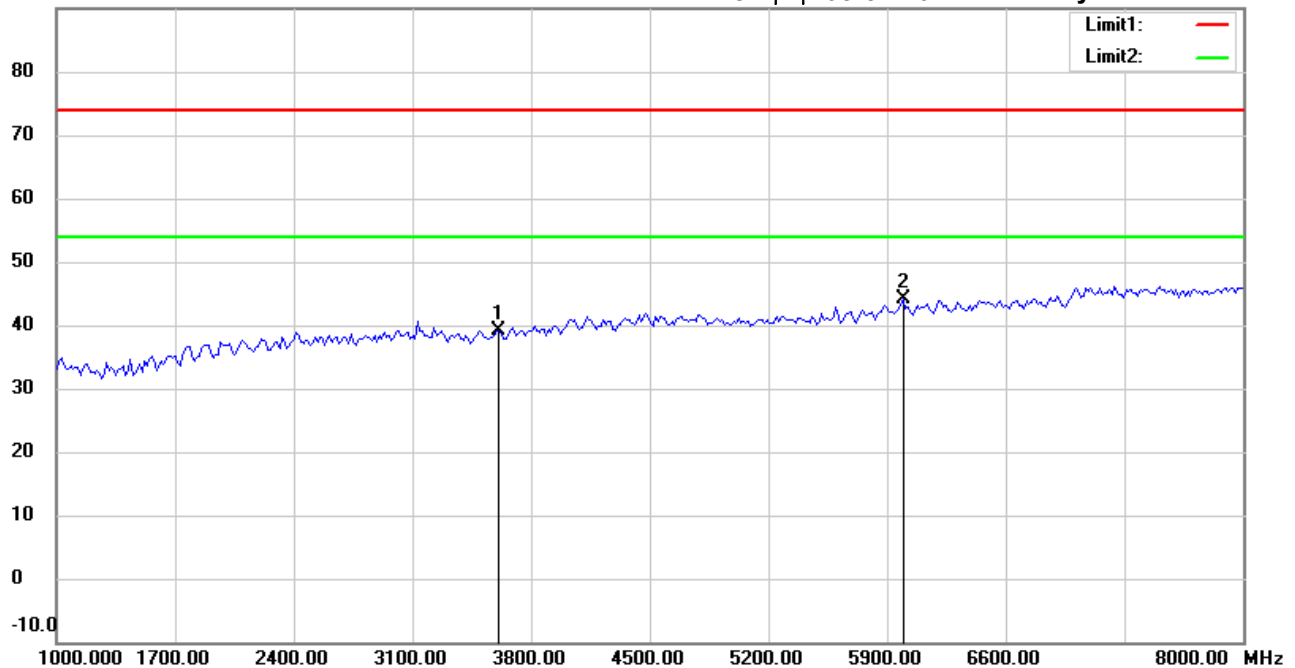
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:57:40

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	3609.218	40.95	peak	-1.84	39.11	74.00	150	260	-34.89	
*	5993.988	41.23	peak	2.97	44.20	74.00	150	40	-29.80	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#5

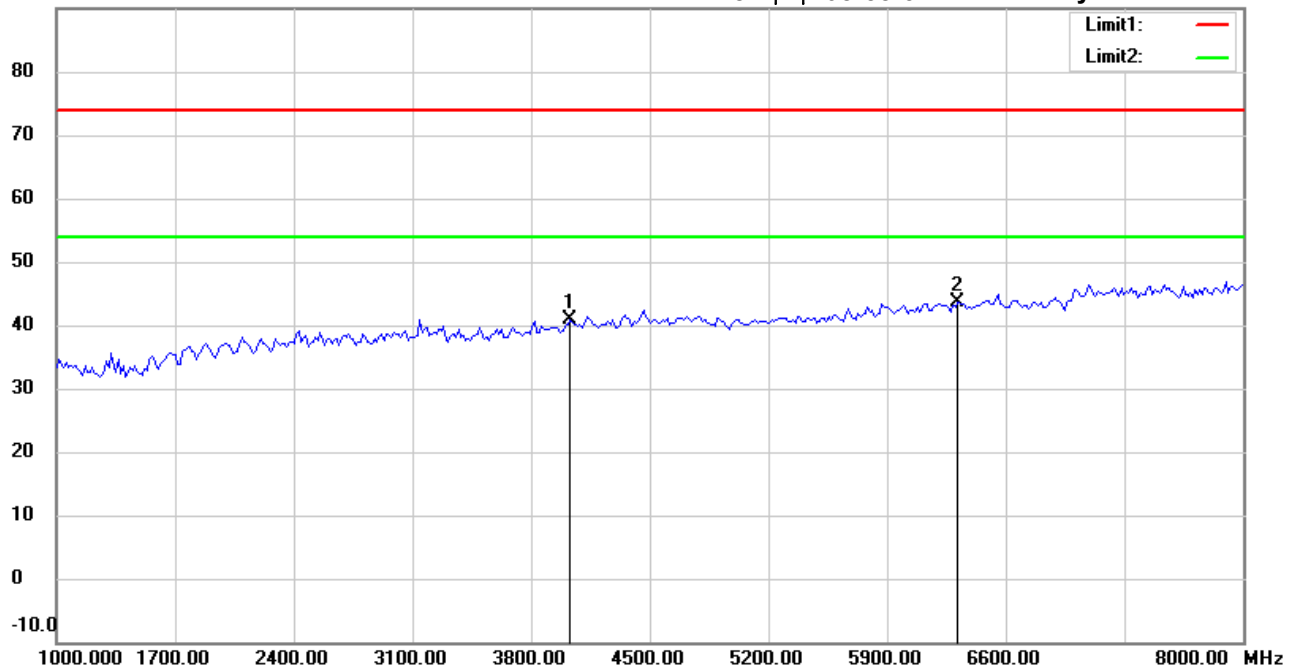
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:58:34

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4030.060	41.68	peak	-0.86	40.82	74.00	150	225	-33.18	
*	6316.633	40.09	peak	3.61	43.70	74.00	150	30	-30.30	

*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #2

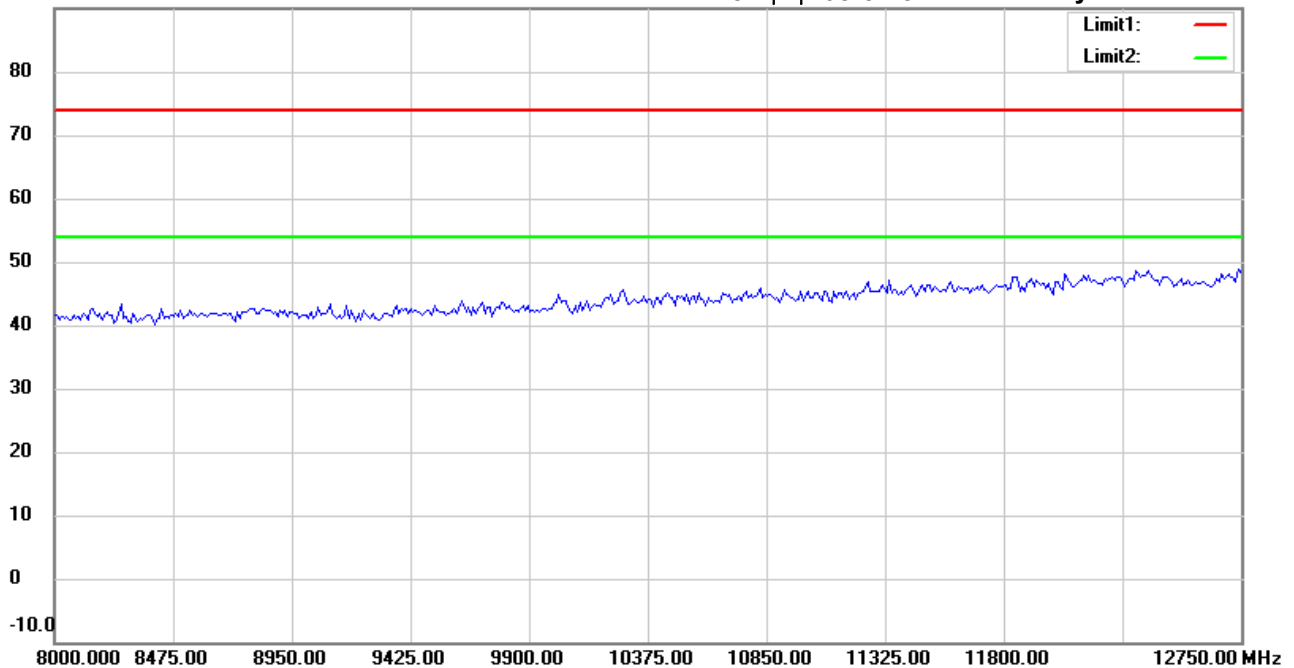
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:57:52

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: Horizontal

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #6

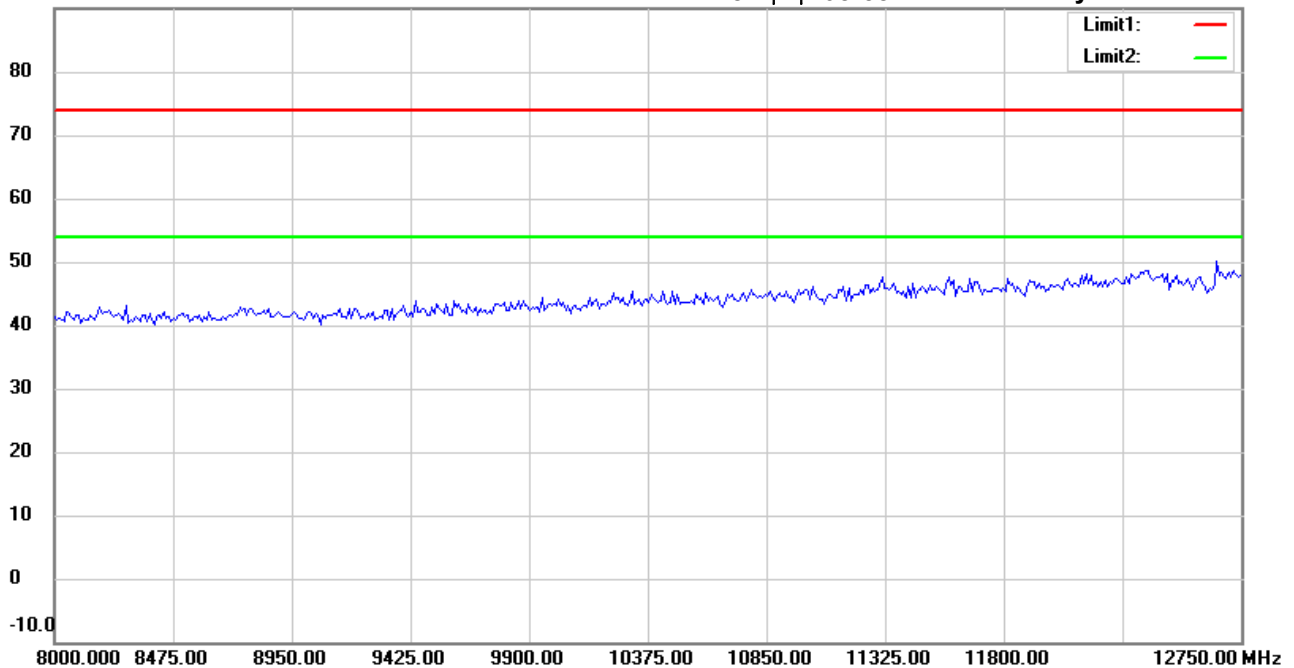
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:58:47

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: *Vertical*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #3

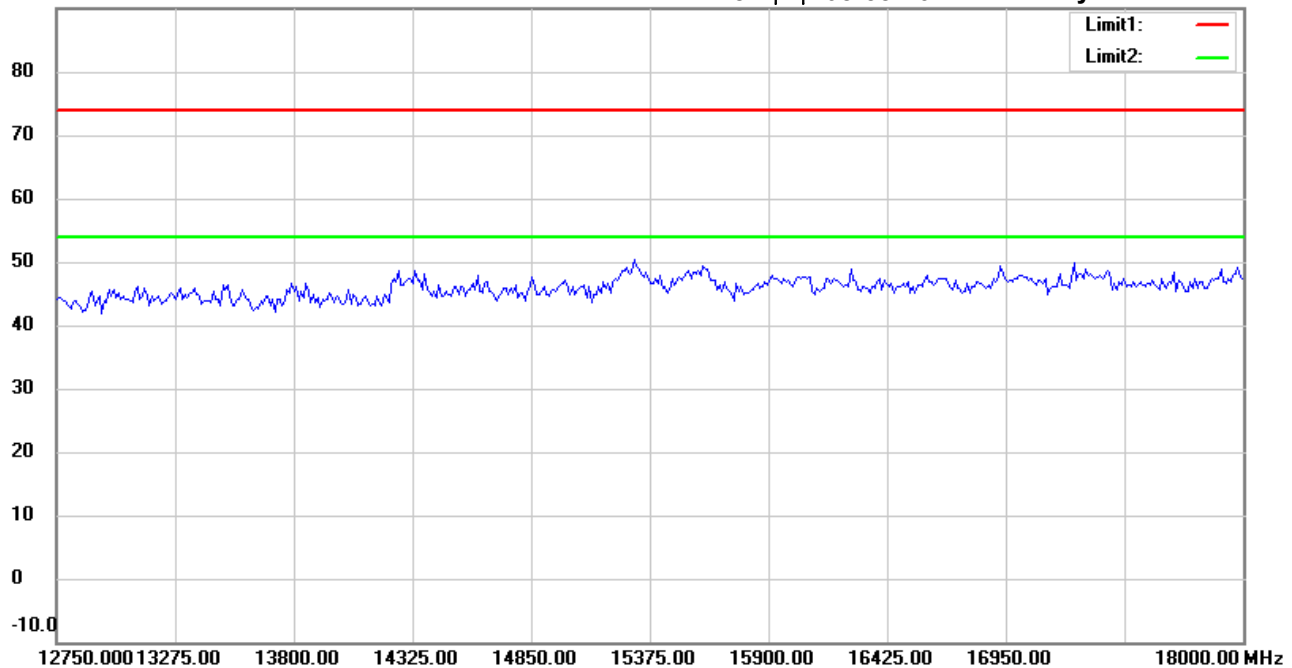
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:58:16

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

Polarization: *Horizontal*

EUT : W6M21710-17470

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : RX 2480MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #7

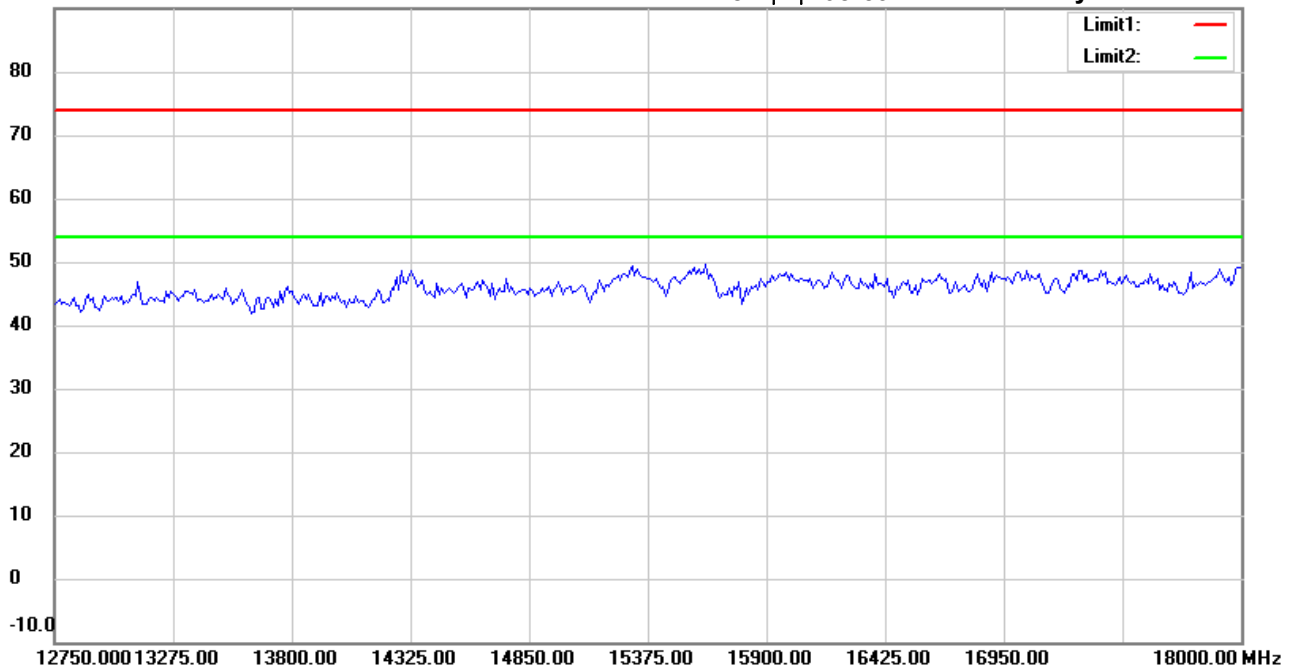
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:59:11

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: *Vertical*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #4

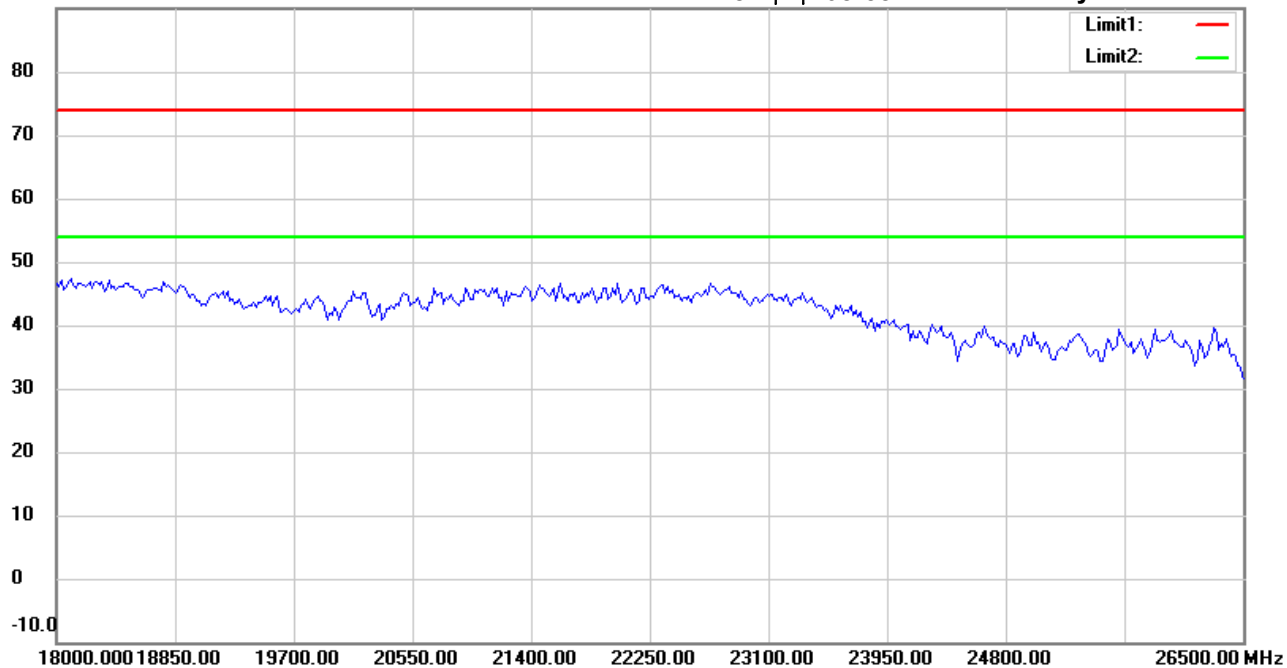
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:58:27

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File : 3

Data : #8

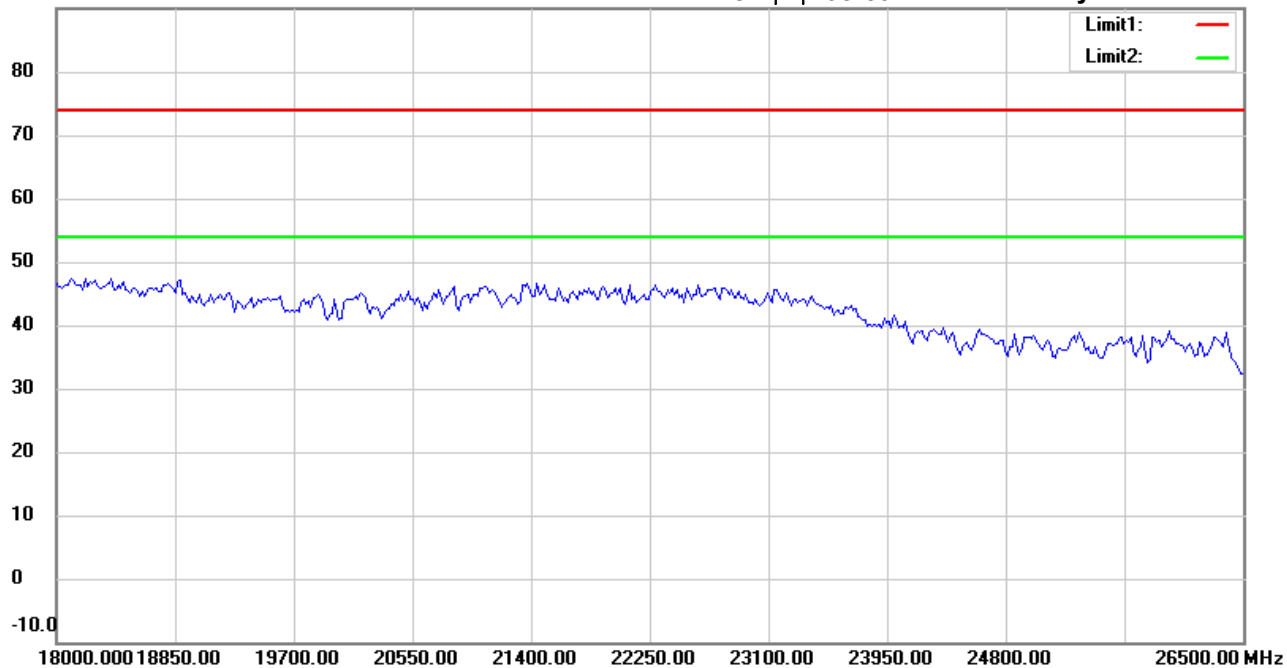
Date: 2017/11/2

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 08:59:21

Humidity: 60 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21710-17470

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: Vertical

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin