

LP0002 測試報告

for

Smart bike trainer

型號: T2875, NEO 2T Smart

of

Applicant: 台灣國際航電股份有限公司

Address: 新北市汐止區樟樹二路 68 號 6 樓

Tested and Prepared

by

Worldwide Testing Services (Taiwan) Co., Ltd.

FCC Registration No.: TW1477, TW0020, TW1072

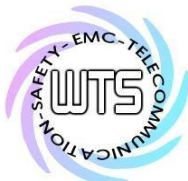
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測試報告證明

受理日期 : 108年10月14日
完成日期 : 108年10月23日
申請者 : 台灣國際航電股份有限公司
申請者地址 : 新北市汐止區樟樹二路68號6樓
製造廠商 : Tacx bv.
廠牌 : Tacx
品名 : Smart bike trainer
型號 : T2875, NEO 2T Smart
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	主波發射	低功率射頻電機技術規範3.10.2.2節	請參閱6.4節	請參閱6.4節	符合 請參閱6.4節
3	頻帶外之任何發射	低功率射頻電機技術規範3.10.2.2節	請參閱7.5節	請參閱7.5節	符合 請參閱7.5節
4	頻帶邊緣之量測	低功率射頻電機技術規範3.10.2.2節	請參閱8.4節	請參閱8.4節	符合 請參閱8.4節
5	天線之要求	低功率射頻電機技術規範2.2節	請參閱9.2節	N/A	符合 請參閱9.2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
聯絡電話 : 02-6606-8877

報告簽署人 : 王政凱 量測員 : 林冠宇

簽署日期 : 108年10月25日 108年10月25日



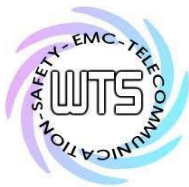
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1 一般資料

1.1 產品描述

- a) 產品型態 : Smart bike trainer
- b) 商 標 : Tacx
- c) 產品型號 : T2875, NEO 2T Smart
- d) 供應電源 : Adaptor: Input: 100-240VAC, 50/60Hz, 1.0-0.5A
Output: 48V, 840mA, 40W MAX
- e) 天線型態/增益 : PCB Antenna / 3.3 dBi

此裝置Smart bike trainer，採ANT+規格設計，其發射頻率落於2403MHz ~ 2480MHz，頻率調變採GFSK，輸出功率為95.30 dBuV/m。

ANT+發射器共79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)
Low	2403
Mid	2440
High	2480

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。

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。

2.1 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 kHz～30 百萬赫 (MHz) 之射頻電壓(在電源端子每一電源線對接地點)應小於或等於下表所列之限制值。測量時應經過 50 微亨利(uH)及50 歐姆(Ω)之電源線阻抗穩定網路(Line Impedance Stabilization Network；LISN)。頻率重疊處，以較低限制值為準。

頻率 (MHz)	傳導限制值(dBuV)	
	準峰值(Quasi-peak)	平均值(Average)
0.15-0.5	66 - 56(*)	56 - 46(*)
0.5-5	56	46
5-30	60	50

*：隨頻率之對數遞減。

(2) 主波發射之要求

依據國家通訊傳播委員會低功率射頻電機技術規範 3.10.2.2節之規定，距3公尺處其電場強度限值如下表，除諧波外，指定頻帶外之發射應比主波低50dB以上或依第2.8節之發射限制，兩者取其較鬆者：

主波頻率 (兆赫)	主波電場強度 (毫伏/公尺)	諧波電場強度 (微伏/公尺)
2400-2483.5	50	500
5725-5875	50	500
24000-24250	250	2500

(3) 頻帶外之任何發射之要求

依據國家通訊傳播委員會低功率射頻電機技術規範 3.10.2.2節之規定，本節之所有發射限制值係以平均值檢測儀量測，且須符合第5.14節之峰值規定。



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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3.10.2.2節之規定，除諧波外，指定頻帶外之發射應比主波低50dB以上或依第2.8節之發射限制，兩者取其較鬆者。

(5) 低功率射頻電機之天線要求

依據國家通訊傳播委員會低功率射頻電機技術規範2.2節之規定，低功率射頻電機之發射機或收發信機所使用之天線，除本規範章節中另有規定外，應為全固定、半固定式或以獨特之耦合(unique coupling)方式連接機體。製造者可設計使用者因損壞而替換之天線，但不得設計或使用原認證以外之天線或可供引接各類電纜之標準天線插座或電氣連接頭，如：BNC、F type、N type、M type、UG type、RCA、SMA、SMB……等及其他各類工業或通訊標準接頭。

(6) 成套銷售之收發信機之要求

依據國家通訊傳播委員會低功率射頻電機技術規範 2.11 節之規定：低功率射頻電機之收、發信機為成套銷售者，收、發信機應一併送審或提供經型式認證合格之對應收、發信機之送審資料；收信機之輻射電場強度不得超過第 2.8 節之發射規定，且不得解調第 2.7 節所列之頻率。



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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節規定，任何低功率射頻電機之主波皆不得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，其電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	



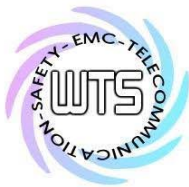
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2. 依據國家通訊傳播委員會低功率射頻電機技術規範2.8節規定，除國家通訊傳播委員會低功率射頻電機技術規範各章節另有放寬規定者外，其電場強度不得超過下表之限值，且其不必要之發射皆不得大於主波發射強度。各頻段重疊處，以較嚴格之限制值為準。

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。



3 測試條件說明

3.1 受測物操作說明

在本報告所有針對ANT+測試項目之執行進行測試，而測試使用之測試輔助軟體由申請者提供。

電源傳導&輻射電場

步驟1. 開啟ANT+進入RF測試模式。

步驟2. 將申請者提供之軟體Rasp.exe打開，並使用軟體偵測待測物。

步驟3. 功率參數設定為2，使待測物持續發射直至測試完成。

3.2 受測系統說明

3.2.1 受測系統之相關設備

電源傳導&輻射電場

項目	設備名稱	製造商	型號	檢磁號碼	序號
1	*Adaptor	MEAN WELL	GSM40B48	N/A	EB93G89114
2	*Smart bike trainer	Tacx bv.	T2875, NEO 2T Smart	N/A	N/A

*為欲申請之受測物。

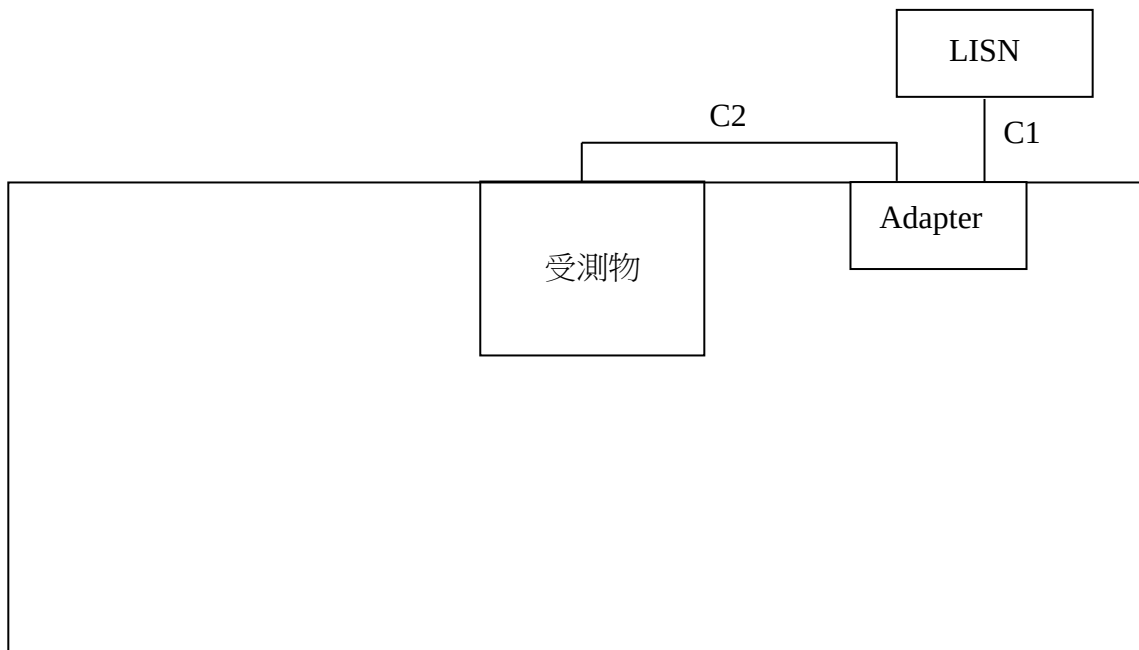
3.2.2 受測系統之相關纜線

電源傳導&輻射電場

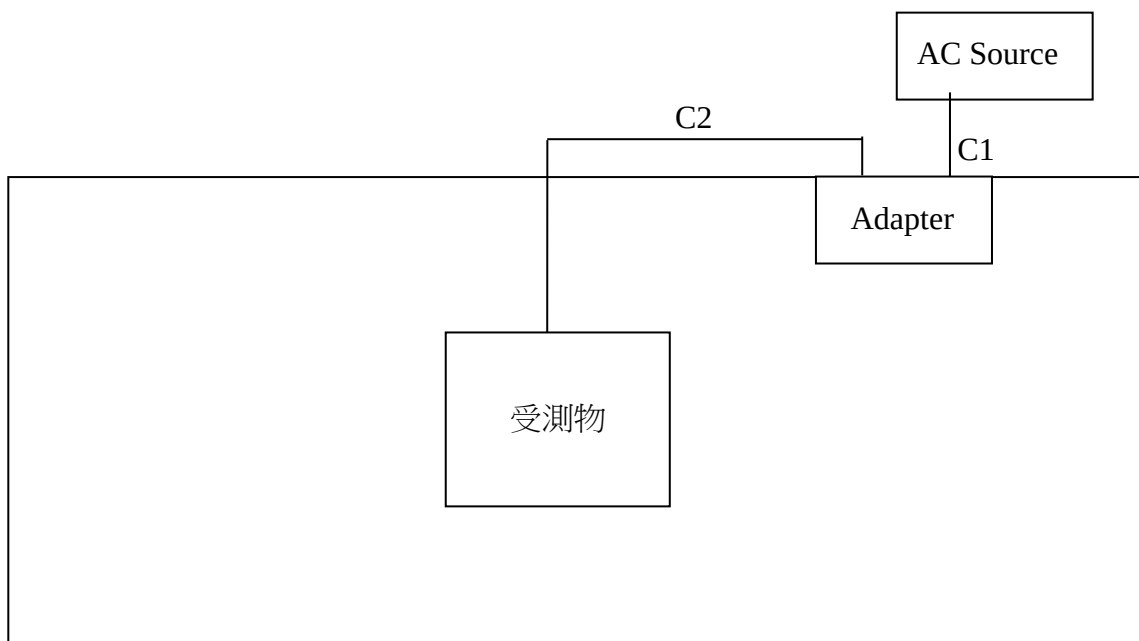
項目	信號纜線名稱	隔離線	附加鐵粉芯	長度	備註
C1	Power Cord	Non-Shielded	N/A	1.8m	MEAN WELL adaptor
C2	Power Cable	Non-Shielded	Yes	1.4m	Undetachable

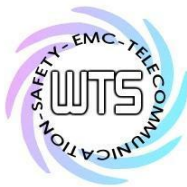
3.3 受測系統連接圖

圖(一) 電源傳導測試系統組成示意圖



圖(二) 輻射電場測試系統組成示意圖

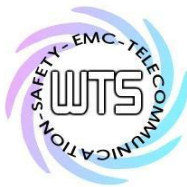




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4 測試儀器設備

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

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。

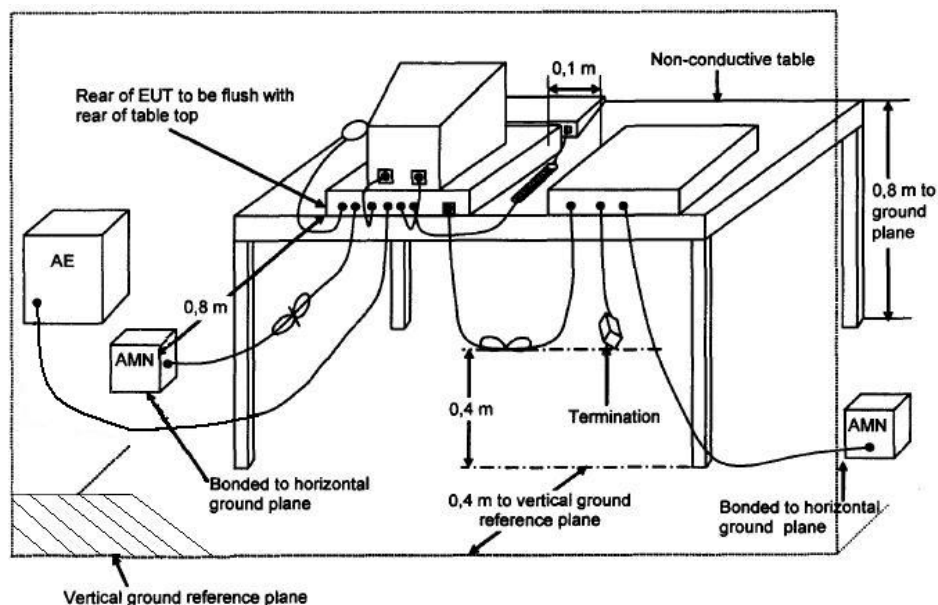
若受測物之電源線長度足以束綁，該束綁之固定須以膠帶或其他不影響測試之非傳導性材質。非受測物之電源線無須束綁，由桌子的後緣垂下沿傳導測試場地的地面接至 LISN。落地型之附件設備的電源線可以任何便利的型態置於接地平面上或絕緣物上。

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。

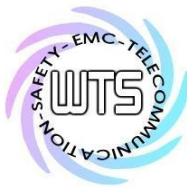
使用頻譜分析儀或其他可提供頻譜顯示之儀器以進行交流電力線傳導初步測試，以決定須作最終測試的頻率點。再使用下表指定之檢波器功能針對初測所得的頻率點進行單點詳測，以決定最終的測試結果。

頻率 (kHz)	儀器型態	功能	RBW(6dB)
9 - 150	RF Test Receiver	QP/AVE	200 Hz
150 - 30000	RF Test Receiver	QP/AVE	10 kHz

5.3 測試配置

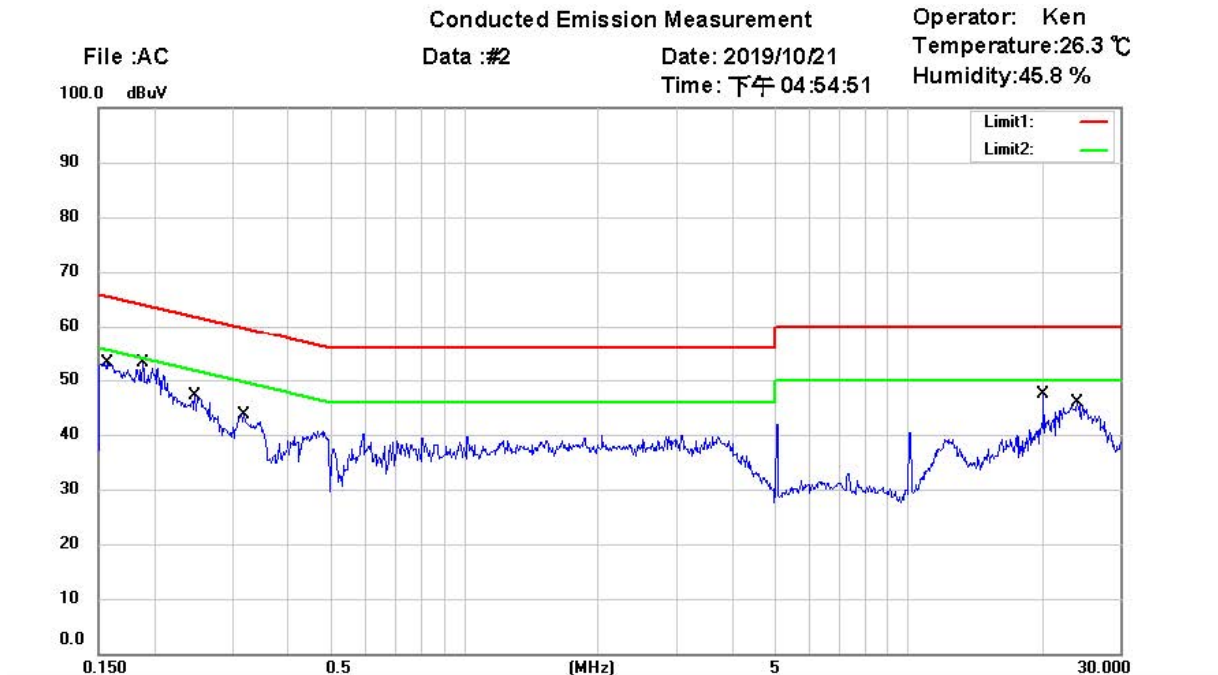


備註：實際測試配置照片，請參考附件。



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5.4 傳導干擾之量測結果



Site : Chamber_03

Condition : LP0002 Conduction(QP)

EUT : W6M21910-19409

M/N:

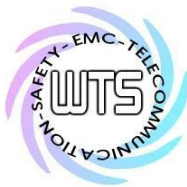
Test Mode :

Note :

Phase: N

Power : 110 V.a.c.

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
	0.1561	33.76	QP	9.75	43.51	65.67	-22.16	
	0.1561	23.67	AVG	9.75	33.42	55.67	-22.25	
	0.1878	34.95	QP	9.73	44.68	64.13	-19.45	
	0.1878	25.15	AVG	9.73	34.88	54.13	-19.25	
	0.2464	26.61	QP	9.72	36.33	61.88	-25.55	
	0.2464	13.28	AVG	9.72	23.00	51.88	-28.88	
	0.3178	30.02	QP	9.71	39.73	59.76	-20.03	
	0.3178	18.22	AVG	9.71	27.93	49.76	-21.83	
	20.1375	34.84	QP	10.39	45.23	60.00	-14.77	
*	20.1375	33.23	AVG	10.39	43.62	50.00	-6.38	
	23.9500	28.87	QP	10.59	39.46	60.00	-20.54	
	23.9500	20.07	AVG	10.59	30.66	50.00	-19.34	



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Conducted Emission Measurement

Operator: Ken

Data :#1

Date: 2019/10/21

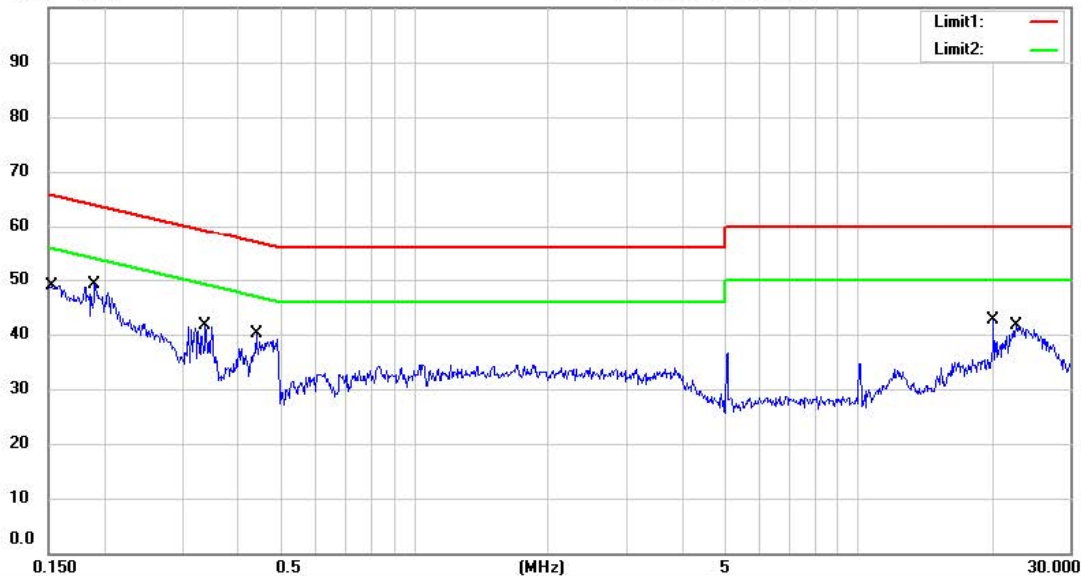
Temperature:26.3 °C

Time: 下午 04:52:27

Humidity:45.8 %

File :AC

100.0 dBuV



Site : Chamber_03

Condition : LP0002 Conduction(QP)

Phase: L1

EUT : W6M21910-19409

Power : 110 V.a.c.

M/N:

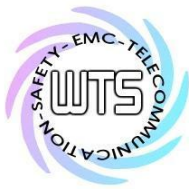
Test Mode :

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
	0.1522	31.23	QP	9.77	41.00	65.88	-24.88	
	0.1522	14.67	AVG	9.77	24.44	55.88	-31.44	
	0.1904	30.70	QP	9.75	40.45	64.02	-23.57	
	0.1904	16.75	AVG	9.75	26.50	54.02	-27.52	
	0.3360	23.26	QP	9.72	32.98	59.30	-26.32	
	0.3360	8.87	AVG	9.72	18.59	49.30	-30.71	
	0.4410	19.40	QP	9.71	29.11	57.04	-27.93	
	0.4410	7.09	AVG	9.71	16.80	47.04	-30.24	
	20.1375	31.13	QP	10.28	41.41	60.00	-18.59	
*	20.1375	26.87	AVG	10.28	37.15	50.00	-12.85	
	22.6125	22.81	QP	10.37	33.18	60.00	-26.82	
	22.6125	15.94	AVG	10.37	26.31	50.00	-23.69	

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. Up Line: QP Limit Line, Down Line: Ave Limit Line。



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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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6 主波發射之量測

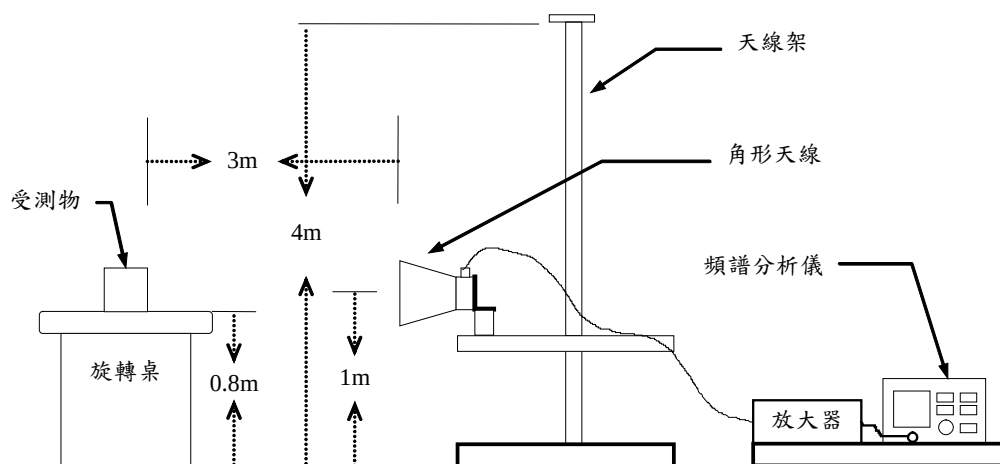
6.1 適用標準

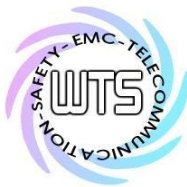
依據國家通訊傳播委員會低功率射頻電機技術規範3.10.2.2節之規定

6.2 測試方法

1. 頻譜分析儀設定如下:
2. Peak detector時，解析頻寬為1MHz，視訊頻寬不小於解析頻寬；Average detector時，解析頻寬為1MHz，視訊頻寬10Hz。
3. 掃描時間為自動，檢波功能為峰值，訊號軌跡為最大保留(Max Hold)。
4. 將標記設定於任何欲紀錄之波峰上，所顯示之位準值必須符合指定之限制值。
5. 上述之測試驟應注意外接之衰減與纜線損失及天線參數。

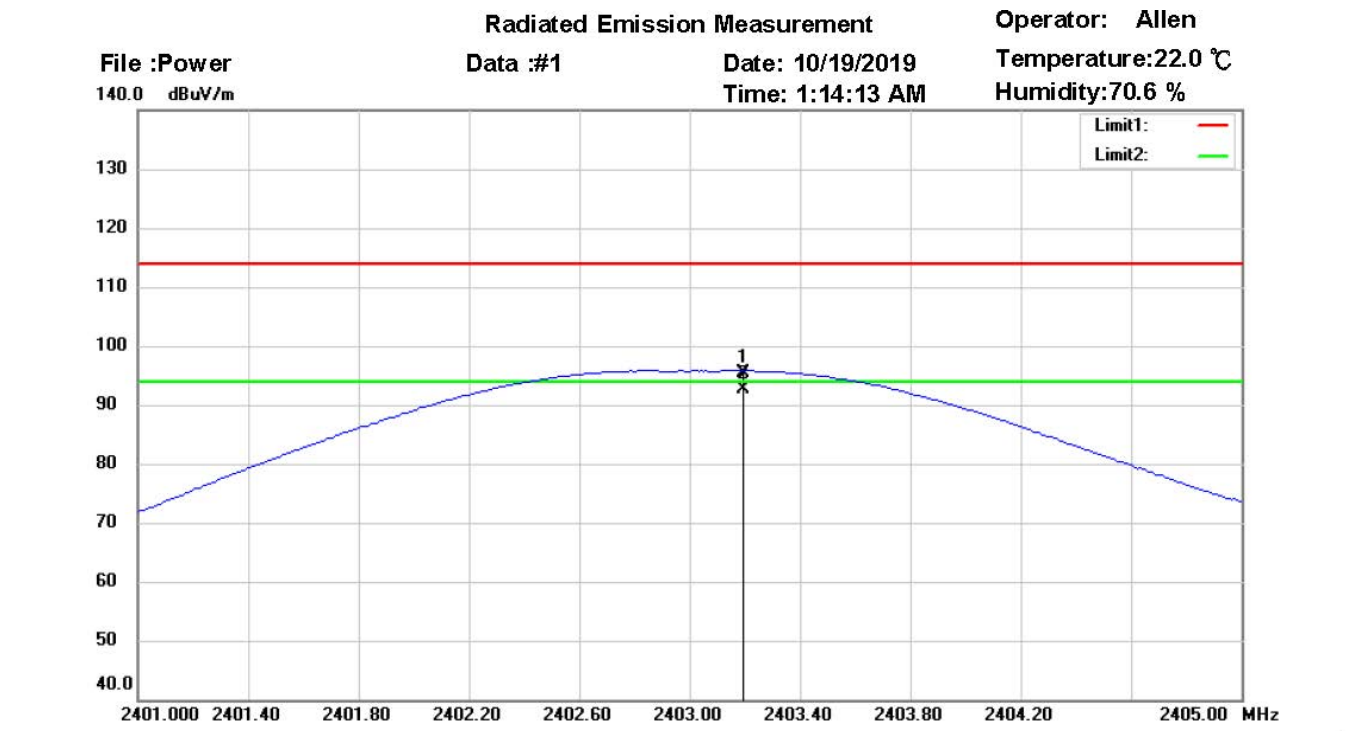
6.3 主波發射之測試配置





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6.4 主波發射之量測結果



Site : Chamber

Condition : LP0002 3.10.2 (2.4GHz) Power_PK

EUT : W6M21910-19409

M/N:

Test Mode : TX 2403MHz

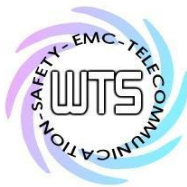
Note :

Polarization: *Horizontal*

Power : 110 Va.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
	2403.196	58.17	peak	37.13	95.30	114.00	150	24	-18.70	
*	2403.196	55.52	AVG	37.13	92.65	94.00	150	24	-1.35	



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Radiated Emission Measurement

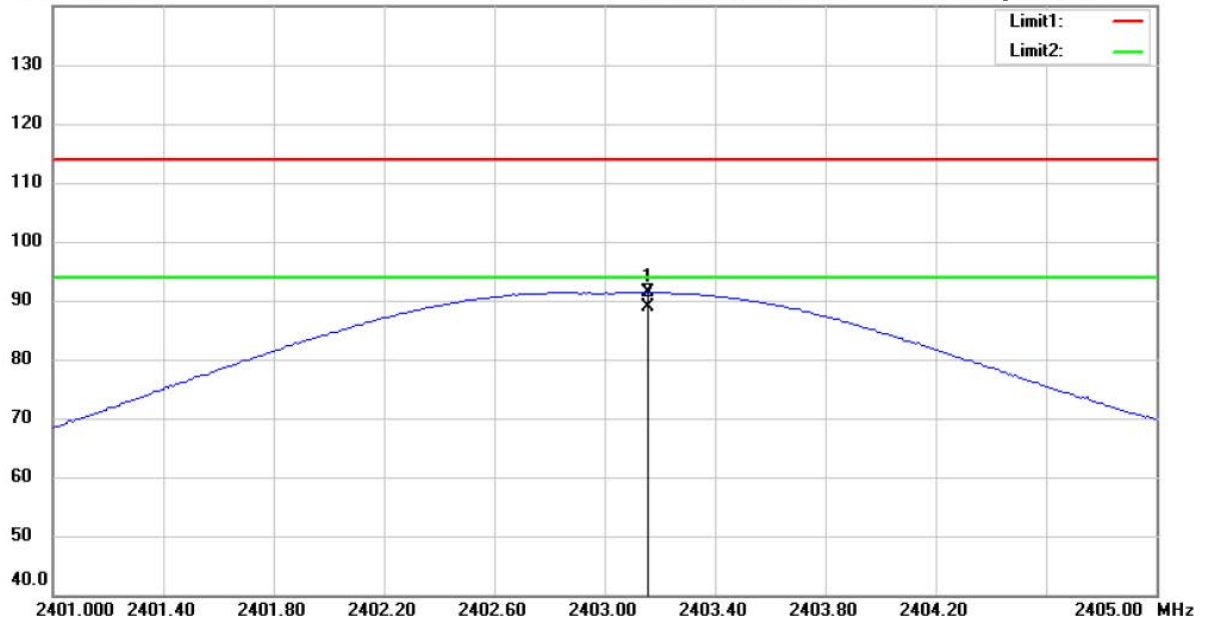
Operator: Allen

File :Power
140.0 dBuV/m

Data :#2

Date: 10/19/2019
Time: 1:37:24 AM

Temperature:22.0 °C
Humidity:70.6 %



Site : Chamber

Condition : LP0002 3.10.2 (2.4GHz) Power_PK

EUT : W6M21910-19409

M/N:

Test Mode : TX 2403MHz

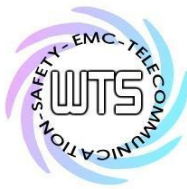
Note :

Polarization: *Vertical*

Power : 110 Va.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
	2403.156	54.24	peak	37.13	91.37	114.00	150	353	-22.63	
*	2403.156	51.65	AVG	37.13	88.78	94.00	150	353	-5.22	



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Radiated Emission Measurement

Operator: Allen

File :Power

Data :#1

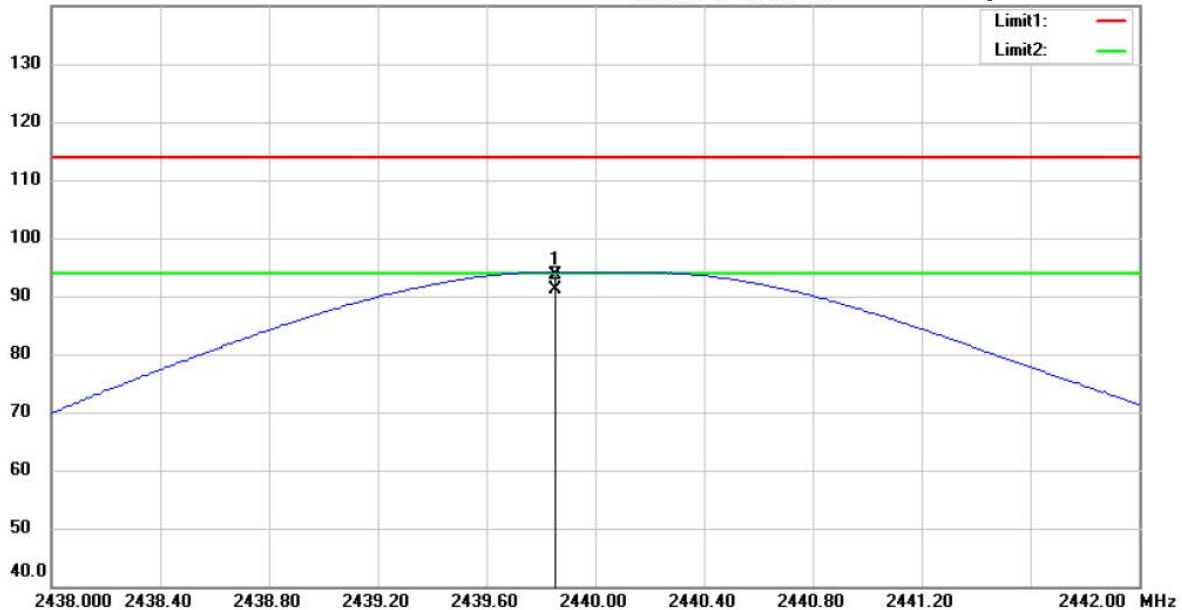
Date: 10/19/2019

Temperature:22.0 °C

140.0 dBuV/m

Time: 2:56:56 AM

Humidity:70.6 %



Site : Chamber

Condition : LP0002 3.10.2 (2.4GHz) Power_PK

Polarization: **Horizontal**

EUT : W6M21910-19409

Power : 110 Va.c.

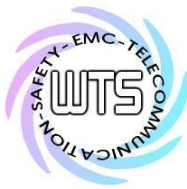
M/N:

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
	2439.844	56.25	peak	37.41	93.66	114.00	150	165	-20.34	
*	2439.844	53.75	AVG	37.41	91.16	94.00	150	165	-2.84	



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Radiated Emission Measurement

Operator: Allen

File :Power

Data :#2

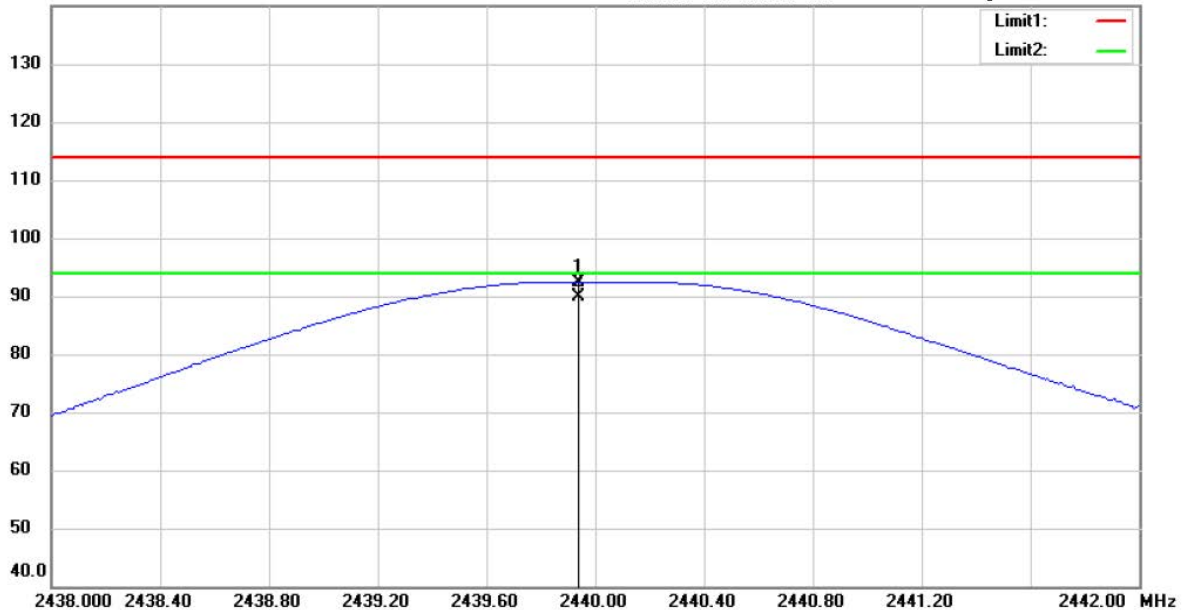
Date: 10/19/2019

Temperature:22.0 °C

140.0 dBuV/m

Time: 3:04:40 AM

Humidity:70.6 %



Site : Chamber

Condition : LP0002 3.10.2 (2.4GHz) Power_PK

Polarization: **Vertical**

EUT : W6M21910-19409

Power : 110 Va.c.

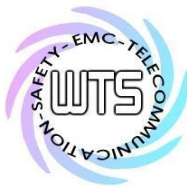
M/N:

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
	2439.932	55.07	peak	37.41	92.48	114.00	150	352	-21.52	
*	2439.932	52.44	AVG	37.41	89.85	94.00	150	352	-4.15	



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Radiated Emission Measurement

Operator: Allen

File :Power

Data :#1

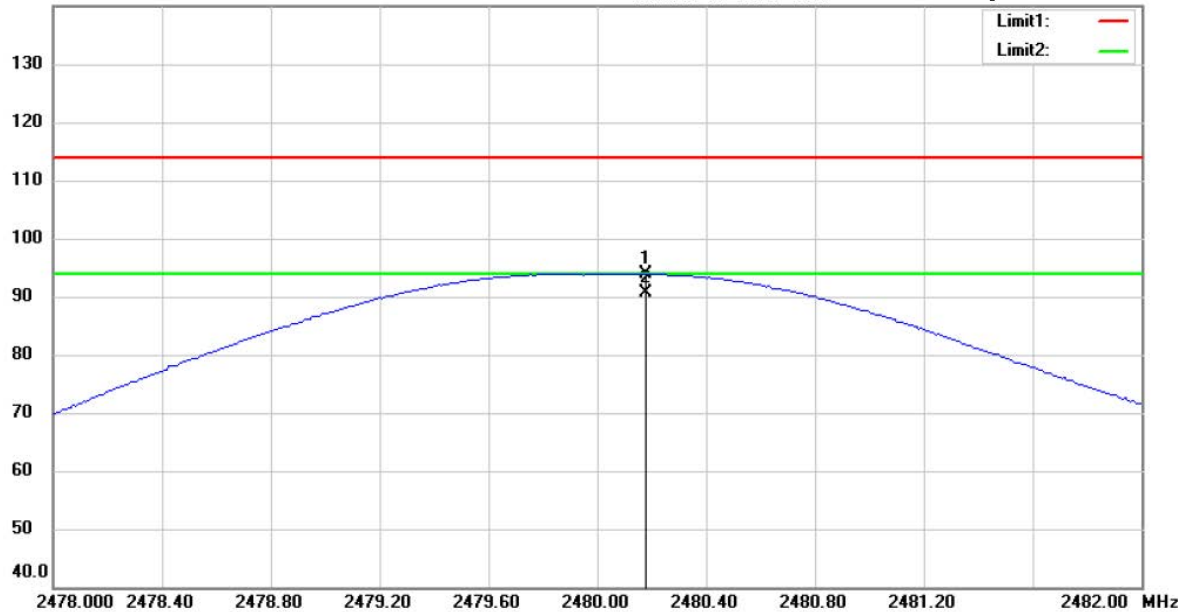
Date: 10/19/2019

Temperature:22.0 °C

140.0 dBuV/m

Time: 4:22:23 AM

Humidity:70.6 %



Site : Chamber

Condition : LP0002 3.10.2 (2.4GHz) Power_PK

Polarization: *Horizontal*

EUT : W6M21910-19409

Power : 110 V.a.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
	2480.180	56.10	peak	37.72	93.82	114.00	150	250	-20.18	
*	2480.180	52.86	AVG	37.72	90.58	94.00	150	250	-3.42	



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Radiated Emission Measurement

Operator: Allen

File :Power

Data :#2

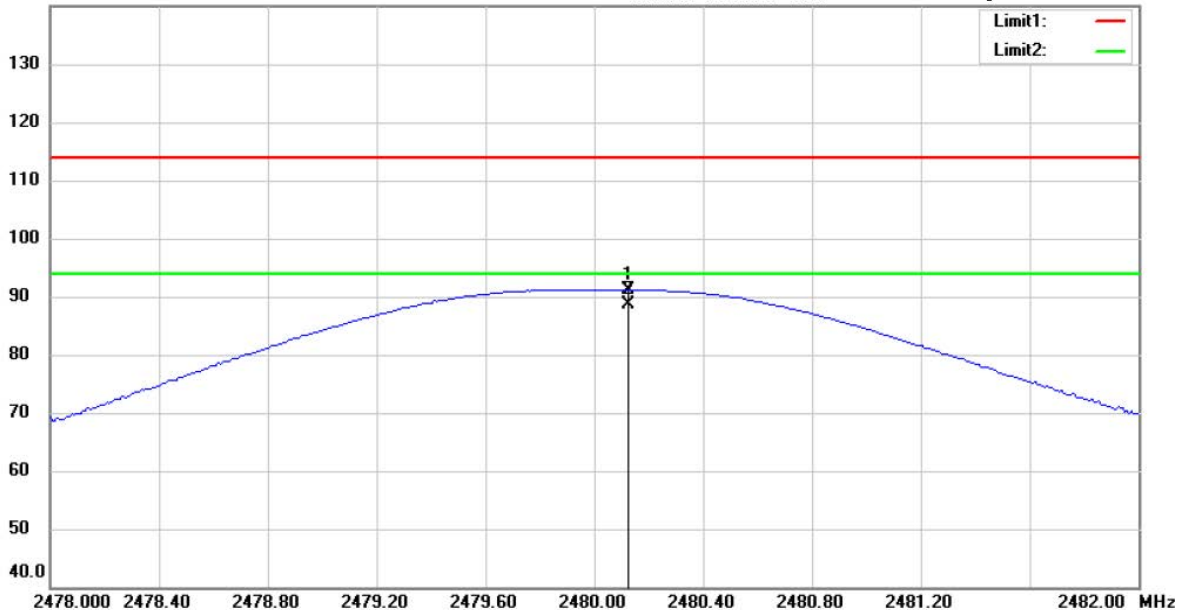
Date: 10/19/2019

Temperature:22.0 °C

140.0 dBuV/m

Time: 4:30:59 AM

Humidity:70.6 %



Site : Chamber

Condition : LP0002 3.10.2 (2.4GHz) Power_PK

Polarization: **Vertical**

EUT : W6M21910-19409

Power : 110 V.a.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
	2480.124	53.39	peak	37.72	91.11	114.00	150	250	-22.89	
*	2480.124	50.88	AVG	37.72	88.60	94.00	150	250	-5.40	

備註：主波發射量測之儀器設備: ETSTW-RE 004、ETSTW-RE 030。

6.5 主波發射之計算方式

功率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)



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3.10.2.2節之規定

7.2 測試方法

(一)頻譜分析儀設定如下：

1. 頻率掃描範圍足以檢測頻帶內的發射波峰位準以及由受測物產生之最低頻率到第10次諧波的所有混附發射，通常需要分幾段以涵蓋全部頻率範圍。
2. 量測頻率低於1GHz，解析頻寬為100kHz，視訊頻寬不小於解析頻寬。量測頻率高於1GHz，Peak detector時，解析頻寬為1MHz，視訊頻寬1MHz；Average detector時，解析頻寬為1MHz，視訊頻寬10Hz。
3. 掃描時間為自動，檢波功能為峰值，訊號軌跡為最大保留(Max Hold)。
4. 將標記設定於任何欲紀錄之波峰上，所顯示之位準值必須符合指定之限制值。
5. 啟動標記差值之功能，利用標記至波峰功能(Marker to Peak)功能以標記頻帶內發射之波峰，所顯示之標記差值必須符合指定之限制值。

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7.3 輻射之測試配置

圖 1：量測頻率低於 1GHz 之測試配置

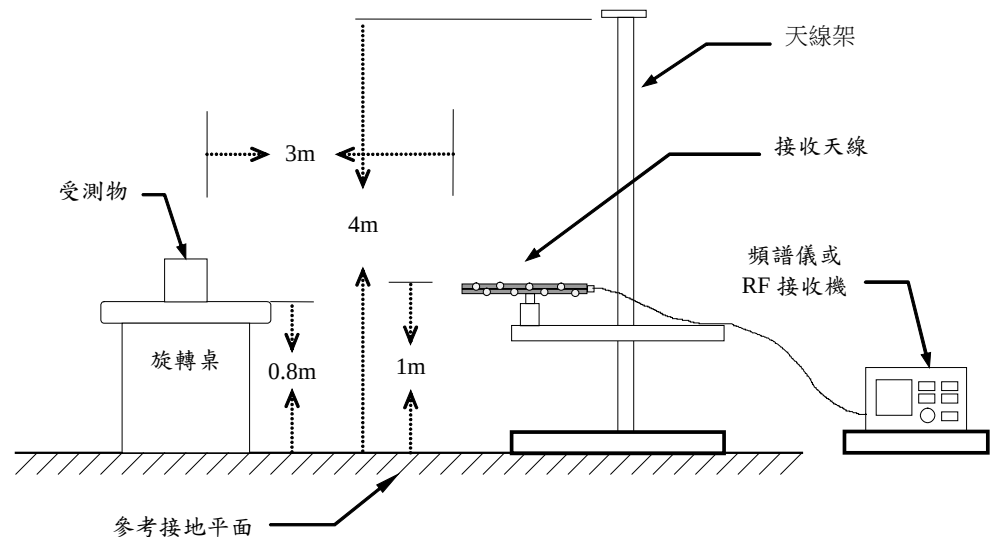
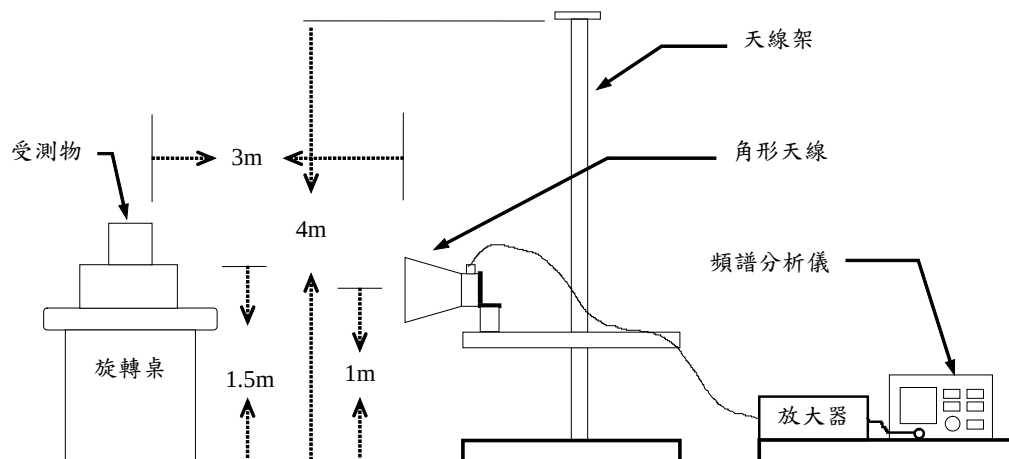


圖 2：量測頻率高於 1GHz 之測試配置



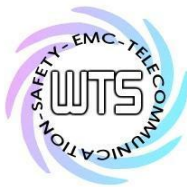
7.4 場強度之計算

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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7.5 場強輻射之量測結果

Model: T2875, NEO 2T Smart Date: --
Mode: -- Temperature: -- °C 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)	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.	Corr.	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)	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.	Corr.	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. 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，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 018、ETSTW-RE 030、ETSTW-RE 062、ETSTW-RE 088、ETSTW-RE 142、ETSTW-RE 147。

8.1 適用標準

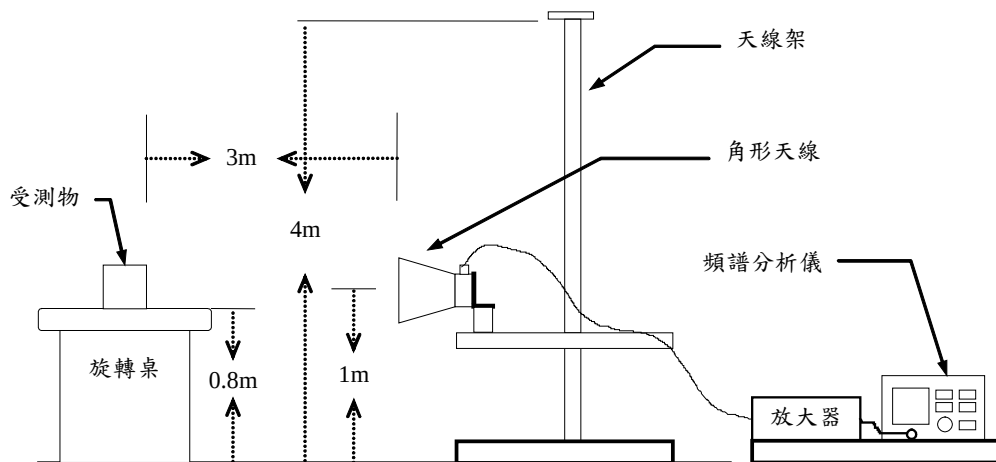
依據國家通訊傳播委員會低功率射頻電機技術規範3.10.2.2節及2.7、2.8節之規定。

8.2 測試方法

頻譜分析儀設定如下:

1. 頻率掃描範圍足以涵蓋操作在最靠近頻帶邊之頻道的發射波峰位準以及任何落於許可頻帶外之調變產物。
2. 解析頻寬大於1%頻率掃描範圍寬度，視訊頻寬不小於解析頻寬。
3. 掃描時間為自動，檢波功能為峰值，訊號軌跡為最大保留 (Max Hold)。
4. 將標記設定於在頻帶邊緣上的發射，或將標記設定於最大之頻帶外調變產物上若其位準大於頻帶邊上的發射。
5. 啟動標記差值之功能，利用標記至波峰功能 (Marker to Peak) 功能以標記頻帶內發射之波峰，所顯示之標記差值必須符合指定之限制值。

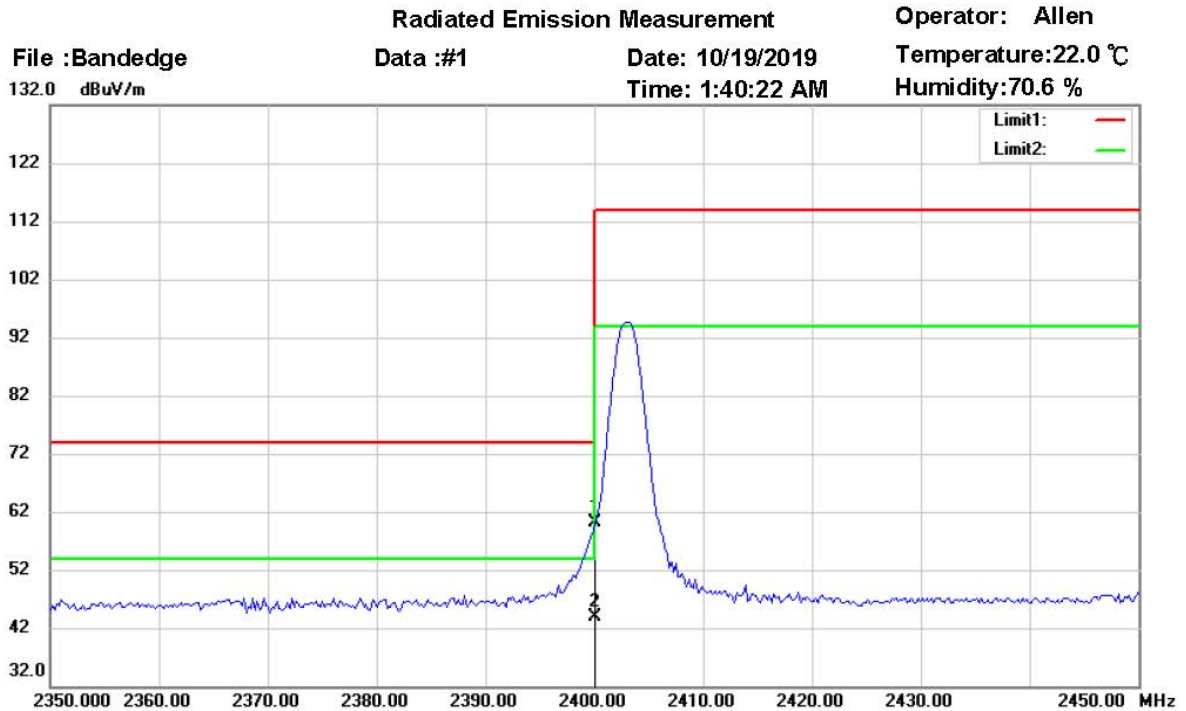
8.3 頻帶邊緣之測試配置





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8.4 頻帶邊緣之量測結果



Site : Chamber

Condition : LP0002 3.10.2 (2.4GHz) Bandedge_PK

EUT : W6M21910-19409

M/N:

Test Mode : TX 2403MHz

Note :

Polarization: *Horizontal*

Power : 110 V.a.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
	2400.000	23.02	peak	37.11	60.13	74.00	150	24	-13.87	
*	2400.000	6.85	AVG	37.11	43.96	54.00	150	24	-10.04	



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Radiated Emission Measurement

Operator: Allen

File :Bandedge

Data :#2

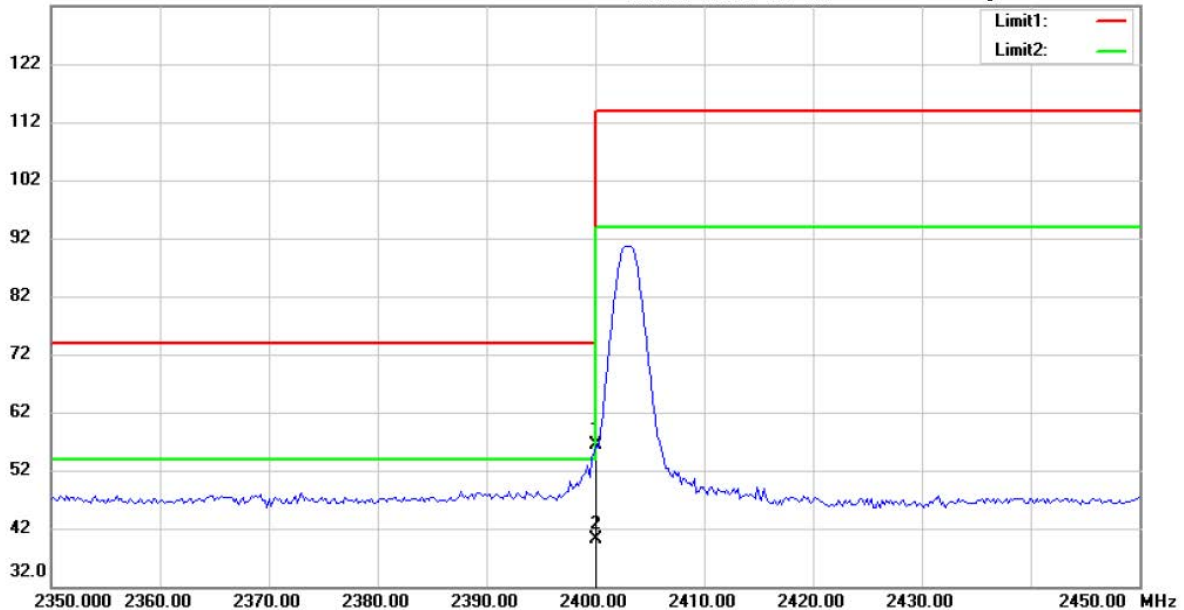
Date: 10/19/2019

Temperature:22.0 °C

132.0 dBuV/m

Time: 1:46:21 AM

Humidity:70.6 %



Site : Chamber

Condition : LP0002 3.10.2 (2.4GHz) Bandedge_PK

Polarization: *Vertical*

EUT : W6M21910-19409

Power : 110 Va.c.

M/N:

Distance: 3m

Test Mode : TX 2403MHz

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
	2400.000	19.17	peak	37.11	56.28	74.00	150	353	-17.72	
*	2400.000	2.95	AVG	37.11	40.06	54.00	150	353	-13.94	



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Radiated Emission Measurement

Operator: Allen

File :Bandedge

Data :#1

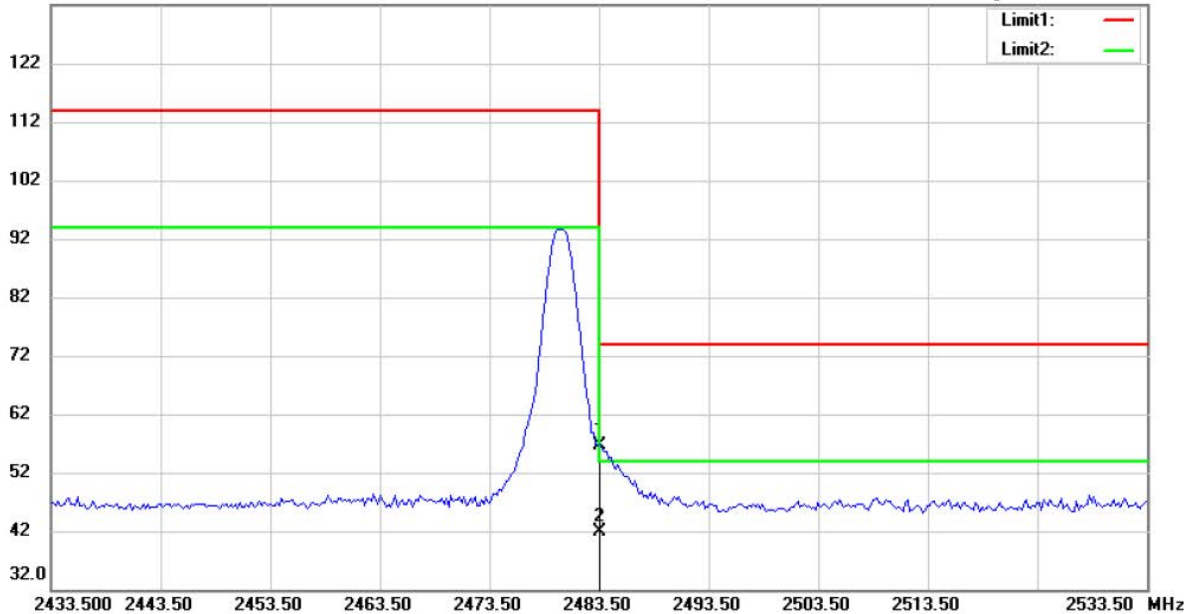
Date: 10/19/2019

Temperature:22.0 °C

132.0 dBuV/m

Time: 4:26:12 AM

Humidity:70.6 %



Site : Chamber

Condition : LP0002 3.10.2 (2.4GHz) Bandedge_PK

Polarization: *Horizontal*

EUT : W6M21910-19409

Power : 110 V.a.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
	2483.500	18.98	peak	37.74	56.72	74.00	175	250	-17.28	
*	2483.500	4.07	AVG	37.74	41.81	54.00	175	250	-12.19	



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Radiated Emission Measurement

Operator: Allen

File :Bandedge

Data :#2

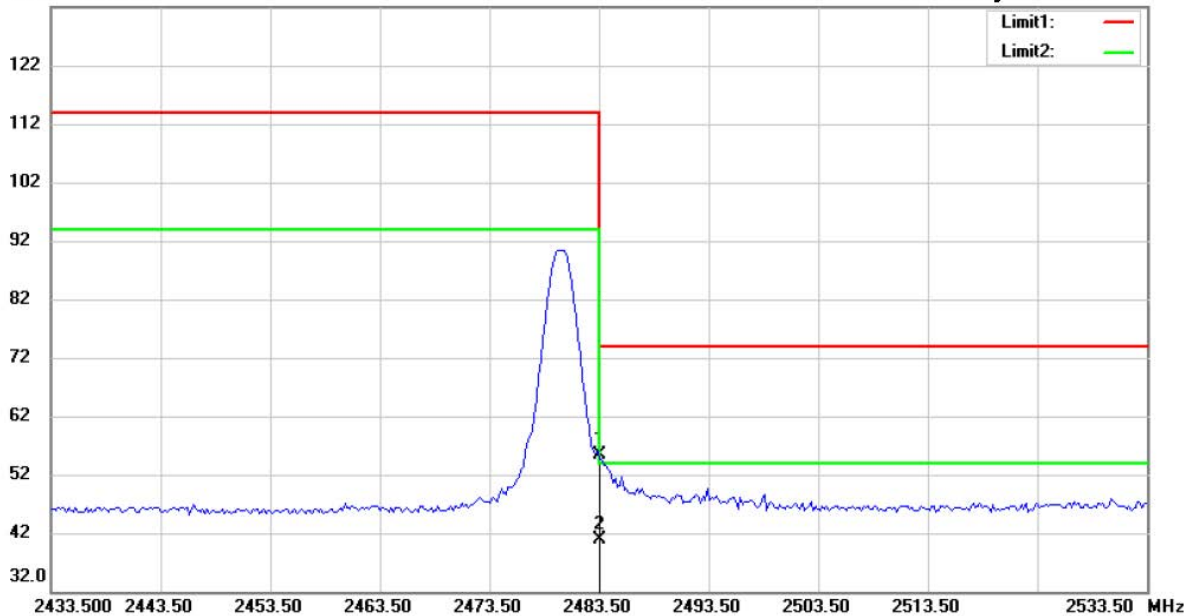
Date: 10/19/2019

Temperature:22.0 °C

132.0 dBuV/m

Time: 4:32:30 AM

Humidity:70.6 %



Site : Chamber

Condition : LP0002 3.10.2 (2.4GHz) Bandedge_PK

Polarization: **Vertical**

EUT : W6M21910-19409

Power : 110 V.a.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
	2483.500	17.62	peak	37.74	55.36	74.00	150	250	-18.64	
*	2483.500	3.02	AVG	37.74	40.76	54.00	150	250	-13.24	

備註：頻帶邊緣量測儀器設備: ETSTW-RE 004、ETSTW-RE 030。

8.5 頻帶邊緣之限制值規定

依據國家通訊傳播委員會低功率射頻電機技術規範 3.10 節之規定，除諧波外，指定頻帶外之發射應比主波低 50dB 以上或依第 2.8 節之發射限制，兩者取其較鬆者。



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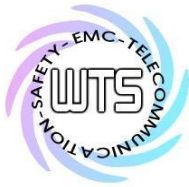
9 低功率射頻電機之天線要求

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2.2節之規定，低功率射頻電機之發射機或收發信機所使用之天線，除本規範章節中另有規定外，應為全固定、半固定式或以獨特之耦合(unique coupling)方式連接機體。製造者可設計使用者因損壞而替換之天線，但不得設計或使用原認證以外之天線或可供引接各類電纜之標準天線插座或電氣連接頭，如：BNC、F type、N type、M type、UG type、RCA、SMA、SMB……等及其他各類工業或通訊標準接頭。

9.2 驗證結果

由於此產品天線型態為PCB Antenna，Gain值為3.3 dBi。
因此判定符合國家通訊傳播委員會低功率射頻電機技術規範2.2節之規定。



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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

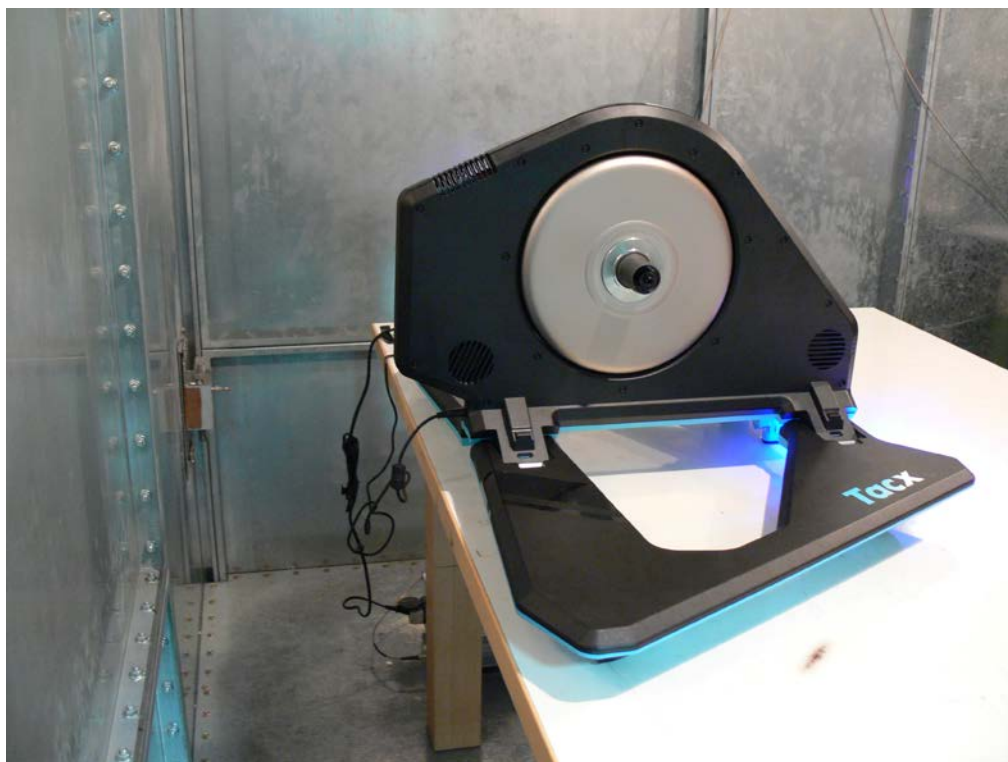
二、量測掃描圖

輻射電場掃描圖

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場地照

電源傳導測試





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輻射電場測試

Below 1GHz



今慶科技股份有限公司

Above 1GHz





Radiated Emission Measurement

Operator: Allen

File : 1_ANT+_TX

Data : #1

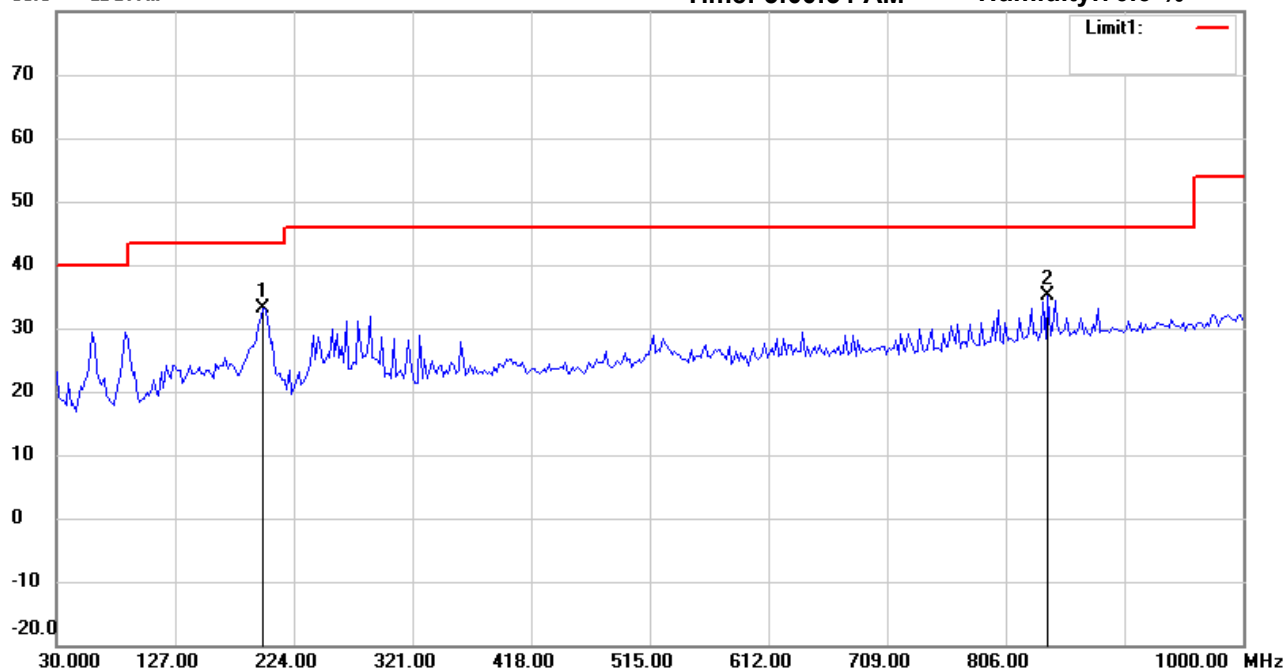
Date: 10/19/2019

Temperature: 22.0 °C

80.0 dBuV/m

Time: 5:00:54 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

Polarization: *Horizontal*

EUT : W6M21910-19409

Power : 110 Va.c.

M/N:

Distance: 3m

Test Mode : TX 2403MHz

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
*	199.1182	44.09	peak	-10.98	33.11	43.50	100	15	-10.39	
	840.6012	32.66	peak	2.37	35.03	46.00	100	315	-10.97	



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: Allen

File : 1_ANT+_TX

Data : #2

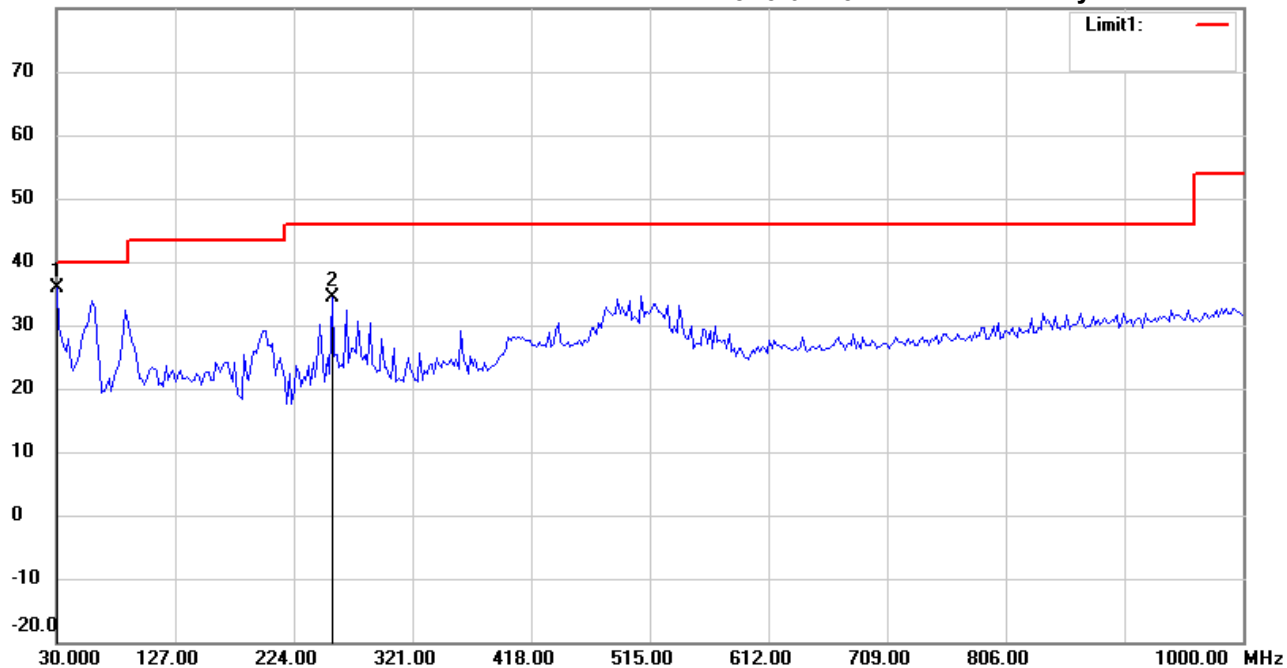
Date: 10/19/2019

Temperature: 22.0 °C

80.0 dBuV/m

Time: 5:04:25 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2403MHz

Note :

Polarization: **Vertical**

Power : 110 Va.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
*	30.0000	44.03	peak	-8.05	35.98	40.00	100	150	-4.02	
	255.4910	41.97	peak	-7.70	34.27	46.00	100	60	-11.73	

*: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: Allen

File : 3

Data : #1

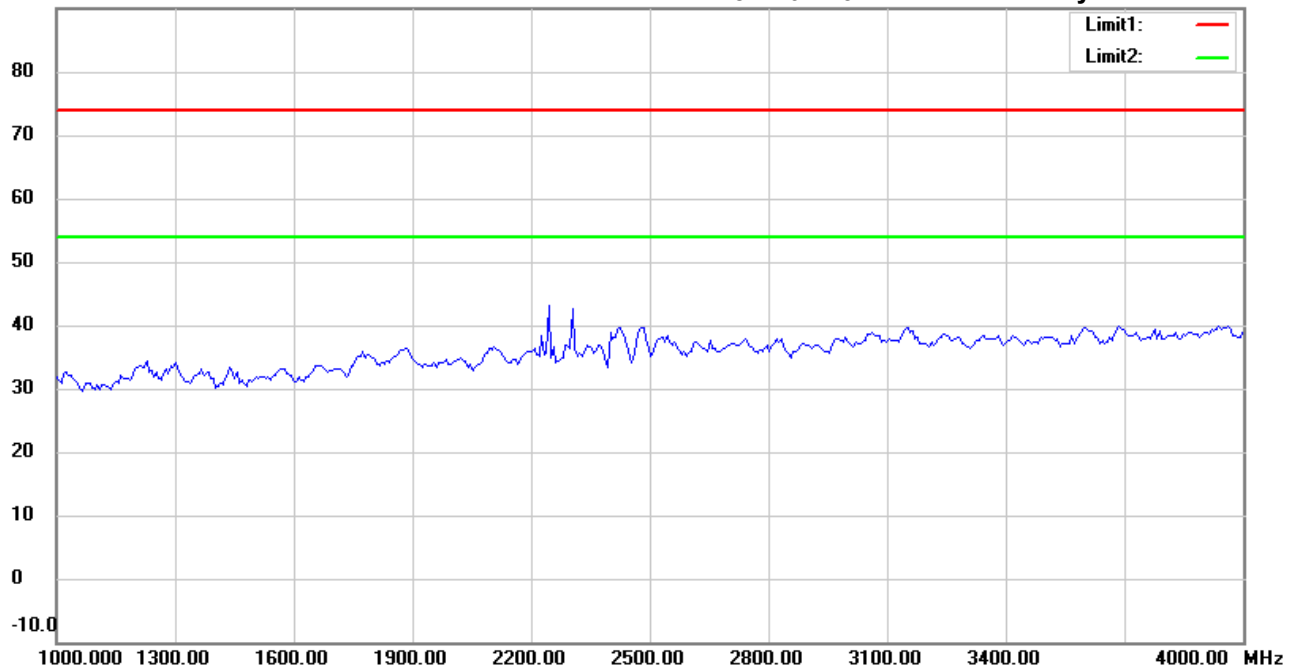
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 2:01:13 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2403MHz

Note :

Polarization: *Horizontal*

Power : 110 Va.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
Fax: +886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File : 3

Data : #6

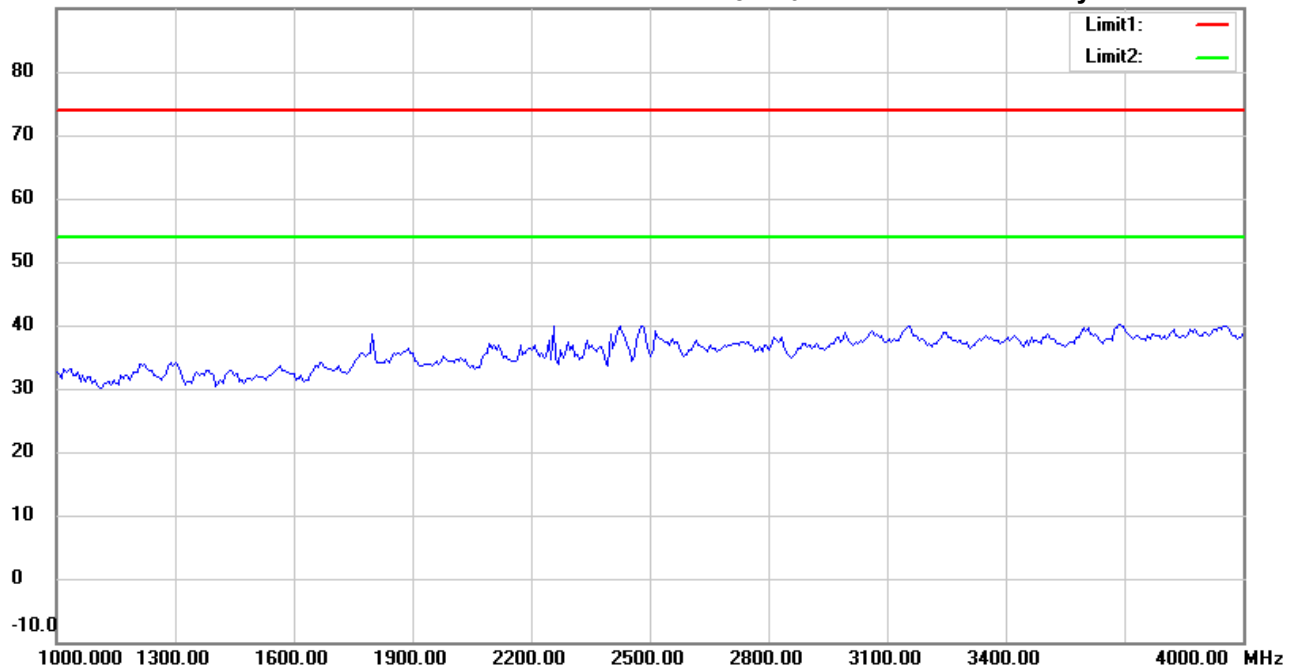
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 2:04:44 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2403MHz

Note :

Polarization: *Vertical*

Power : 110 Va.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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Fax: +886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3

Data :#2

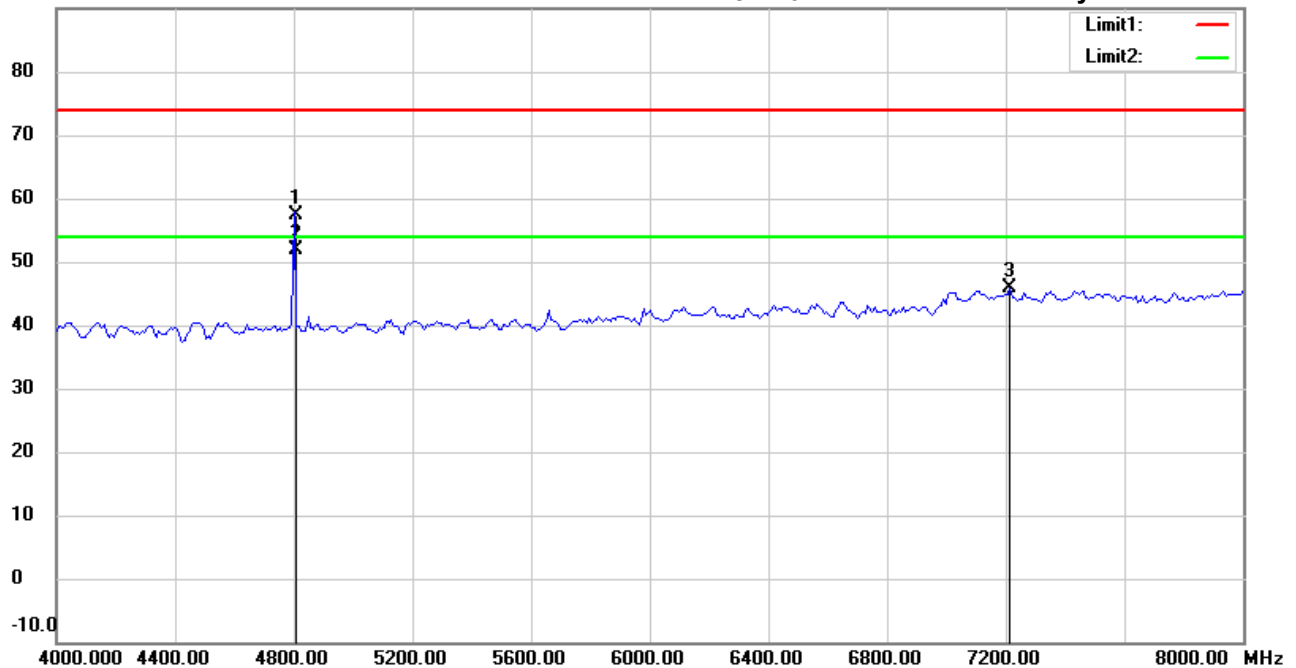
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 2:02:14 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2403MHz

Note :

Polarization: *Horizontal*

Power : 110 Va.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
	4806.192	59.32	peak	-1.94	57.38	74.00	150	330	-16.62	
*	4806.192	53.76	AVG	-1.94	51.82	54.00	150	330	-2.18	
	7209.000	42.53	peak	3.24	45.77	74.00	150	65	-28.23	

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



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Fax: +886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File :3

Data :#7

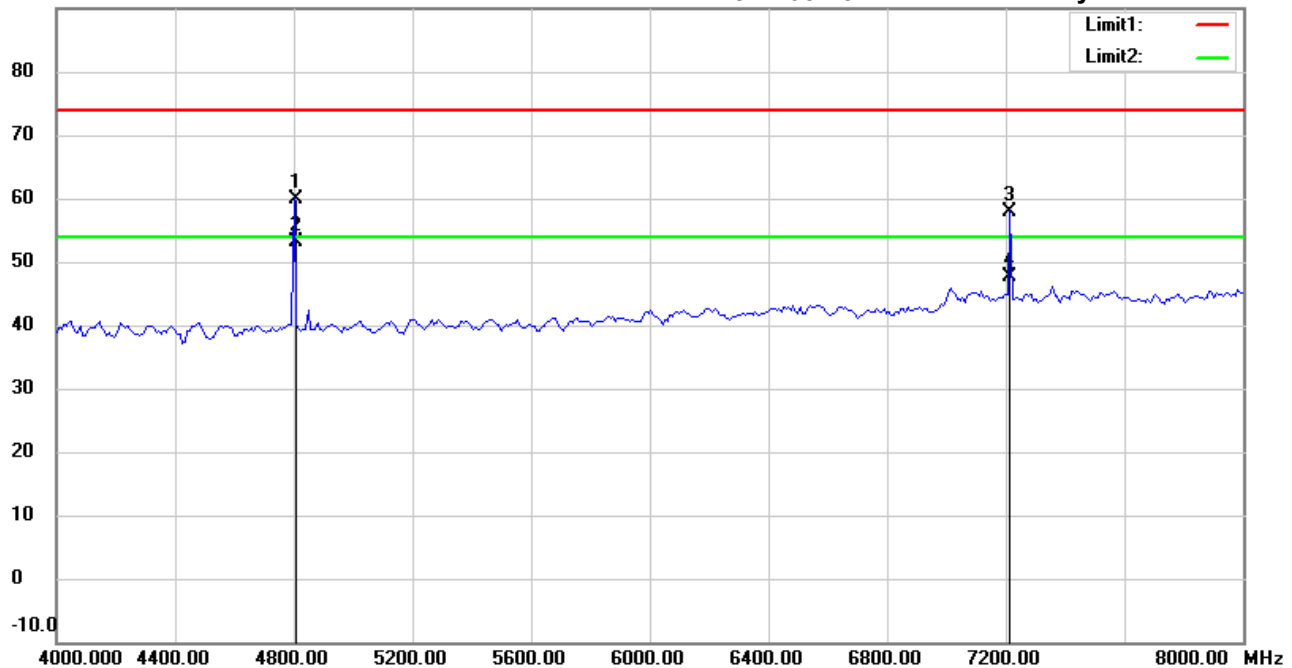
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 2:05:45 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2403MHz

Note :

Polarization: **Vertical**

Power : 110 Va.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
	4806.027	61.92	peak	-1.94	59.98	74.00	150	190	-14.02	
*	4806.027	55.09	AVG	-1.94	53.15	54.00	150	190	-0.85	
	7209.158	54.68	peak	3.24	57.92	74.00	150	270	-16.08	
	7209.158	44.32	AVG	3.24	47.56	54.00	150	270	-6.44	

*: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: Allen

File :3

Data :#3

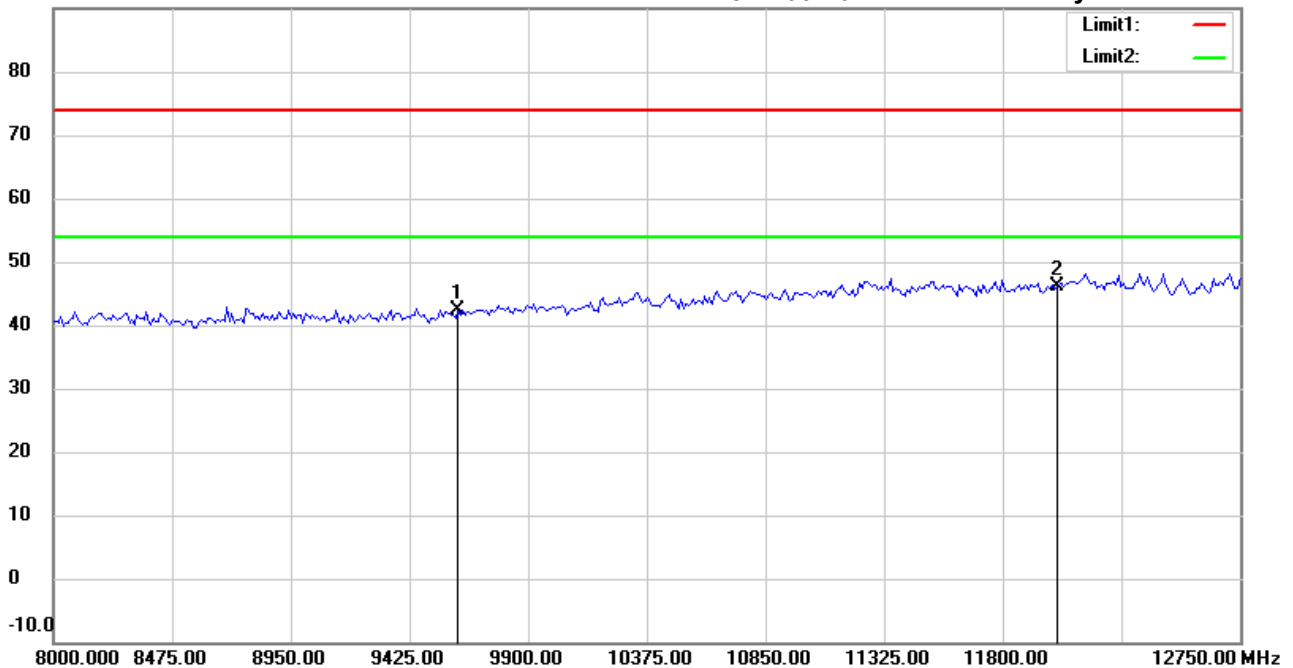
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 2:03:20 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2403MHz

Note :

Polarization: *Horizontal*

Power : 110 Va.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
	9612.000	35.73	peak	6.54	42.27	74.00	150	50	-31.73	
*	12015.000	34.44	peak	11.68	46.12	74.00	150	165	-27.88	

*: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: Allen

File :3

Data :#8

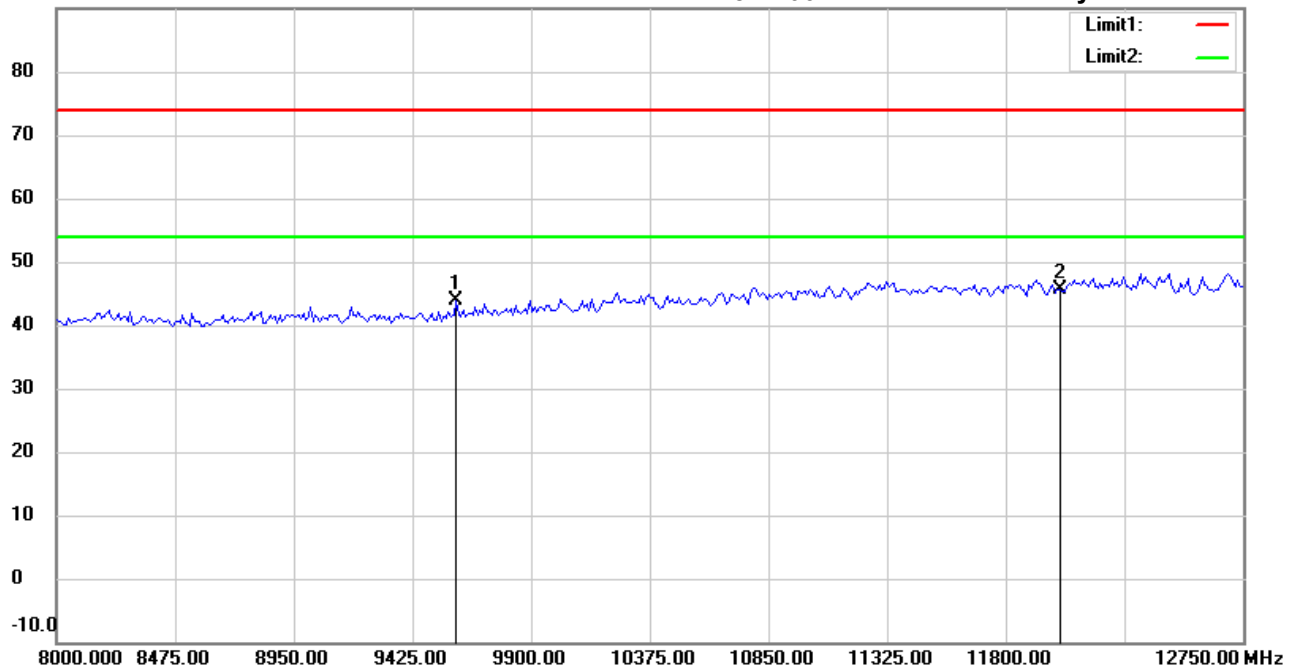
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 2:06:44 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2403MHz

Note :

Polarization: **Vertical**

Power : 110 Va.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
	9599.198	37.30	peak	6.51	43.81	74.00	150	330	-30.19	
*	12015.000	33.84	peak	11.68	45.52	74.00	150	75	-28.48	

*: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: Allen

File : 3

Data : #4

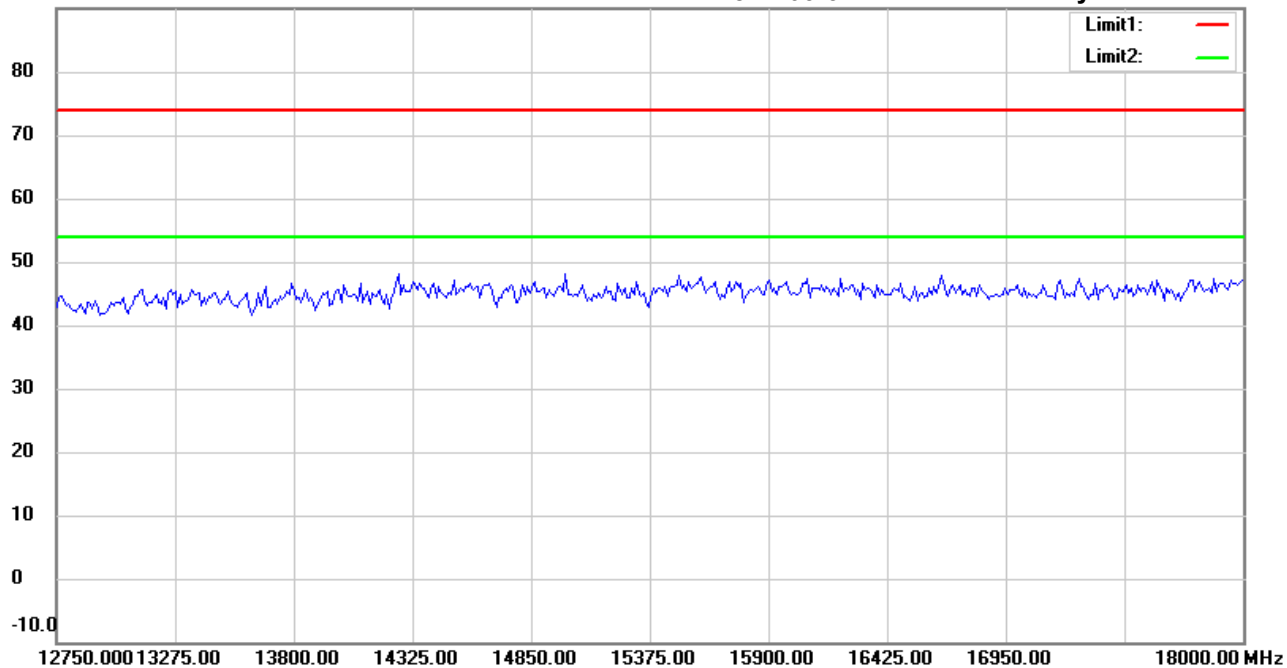
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 2:03:34 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2403MHz

Note :

Polarization: *Horizontal*

Power : 110 Va.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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Fax: +886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File : 3

Data : #9

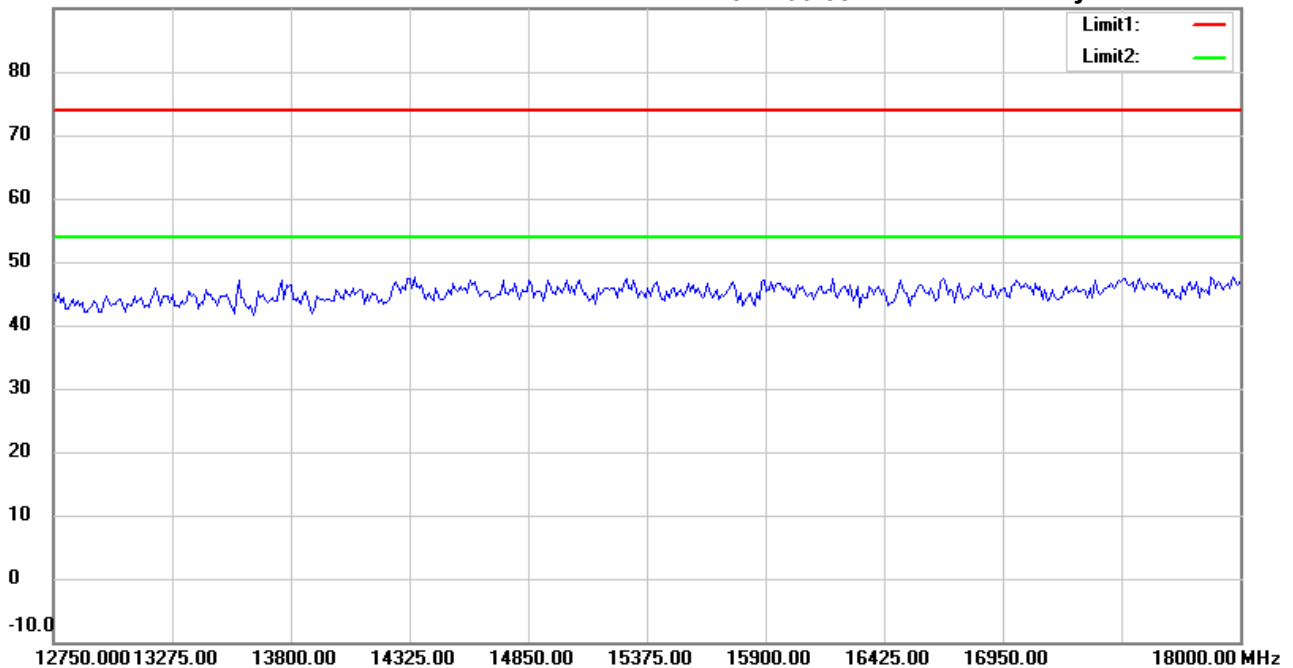
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 2:06:58 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2403MHz

Note :

Polarization: Vertical

Power : 110 Va.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: Allen

File : 3

Data : #5

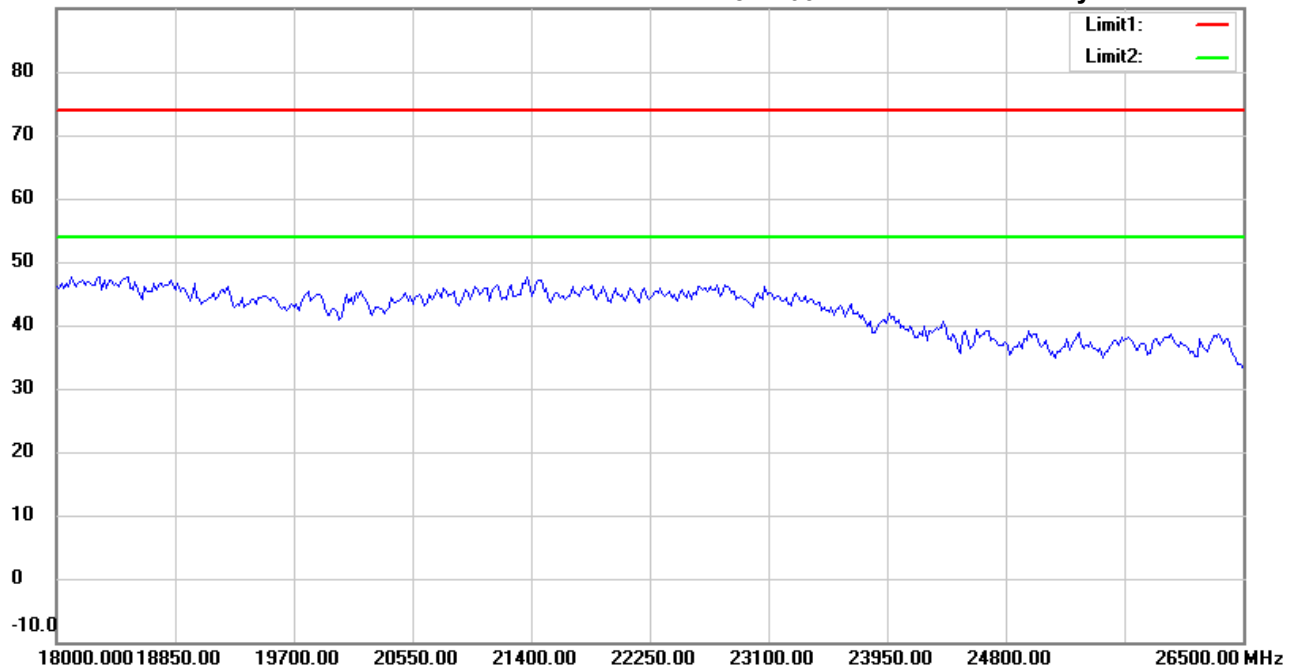
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 2:03:44 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2403MHz

Note :

Polarization: *Horizontal*

Power : 110 Va.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: Allen

File : 3

Data : #10

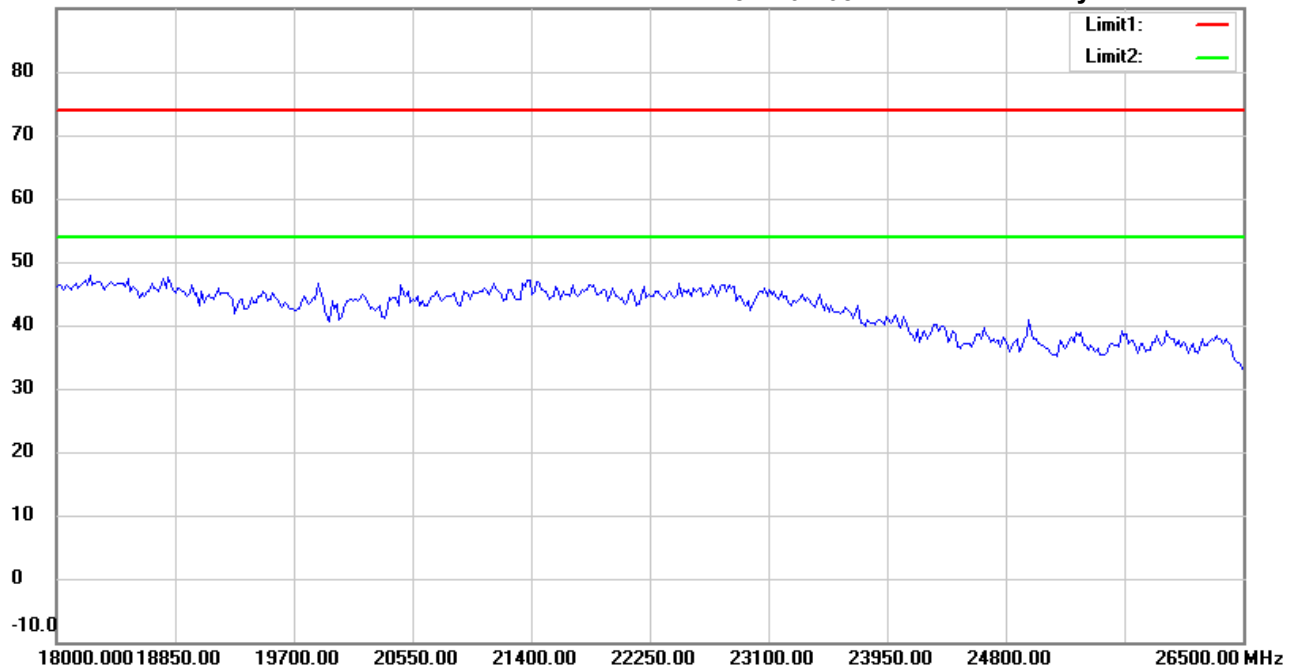
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 2:07:08 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2403MHz

Note :

Polarization: Vertical

Power : 110 Va.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: Allen

File : 3

Data : #1

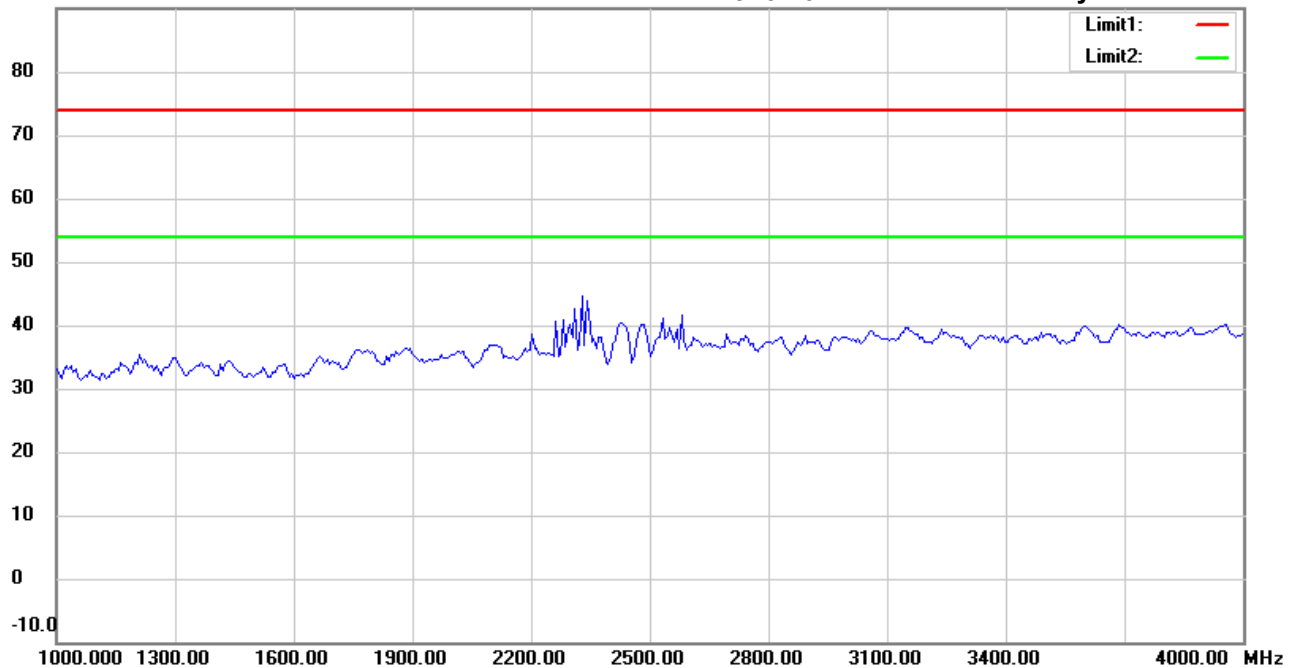
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 3:13:12 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Horizontal*

Power : 110 Va.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
Fax: +886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File : 3

Data : #6

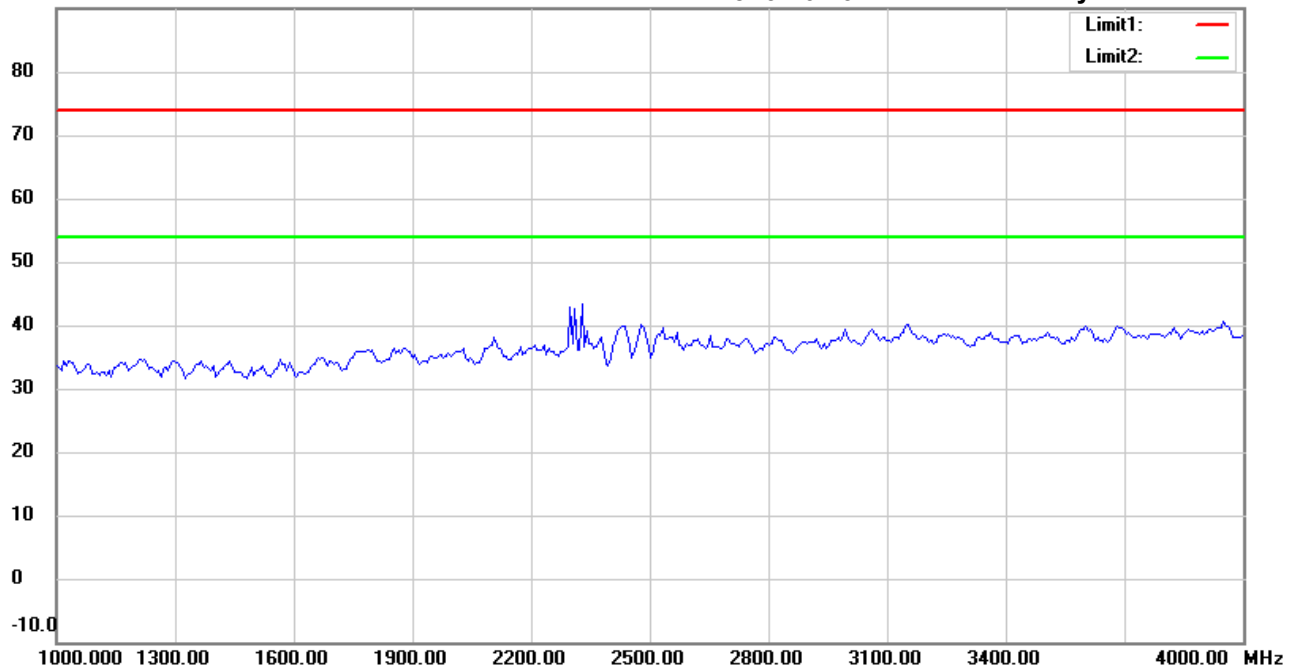
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 3:16:43 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Vertical*

Power : 110 Va.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: Allen

File :3

Data :#2

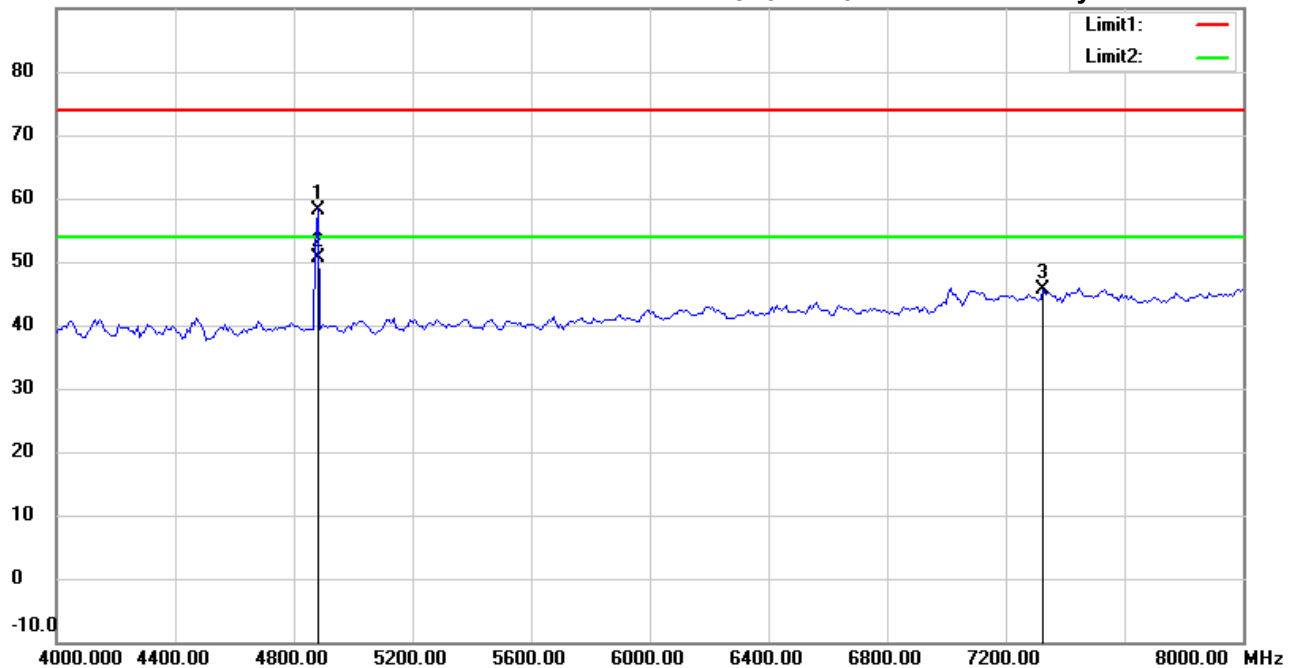
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 3:14:13 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: **Horizontal**

Power : 110 Va.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
	4879.748	59.85	peak	-1.68	58.17	74.00	150	155	-15.83	
*	4879.748	52.37	AVG	-1.68	50.69	54.00	150	155	-3.31	
	7320.000	42.08	peak	3.45	45.53	74.00	150	75	-28.47	

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



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

Operator: Allen

File : 3

Data : #7

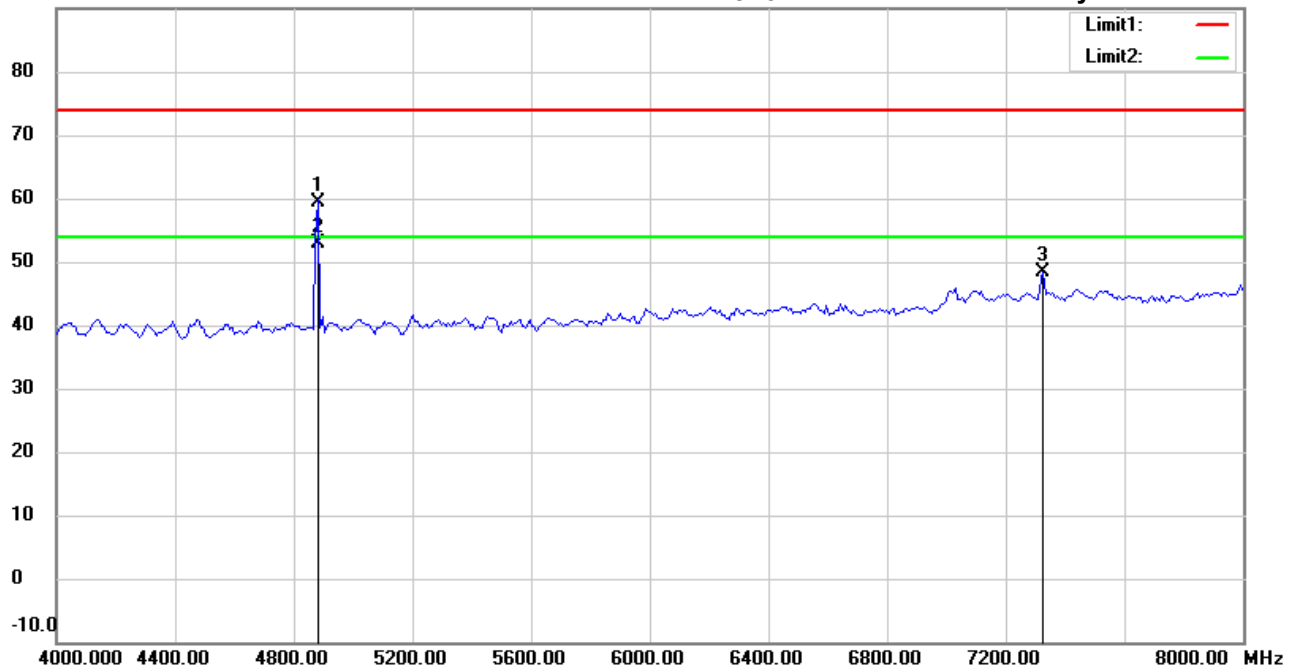
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 3:17:44 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: **Vertical**

Power : 110 Va.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
	4880.096	61.00	peak	-1.68	59.32	74.00	150	186	-14.68	
*	4880.096	54.46	AVG	-1.68	52.78	54.00	150	186	-1.22	
	7326.653	44.85	peak	3.48	48.33	74.00	150	70	-25.67	

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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#3

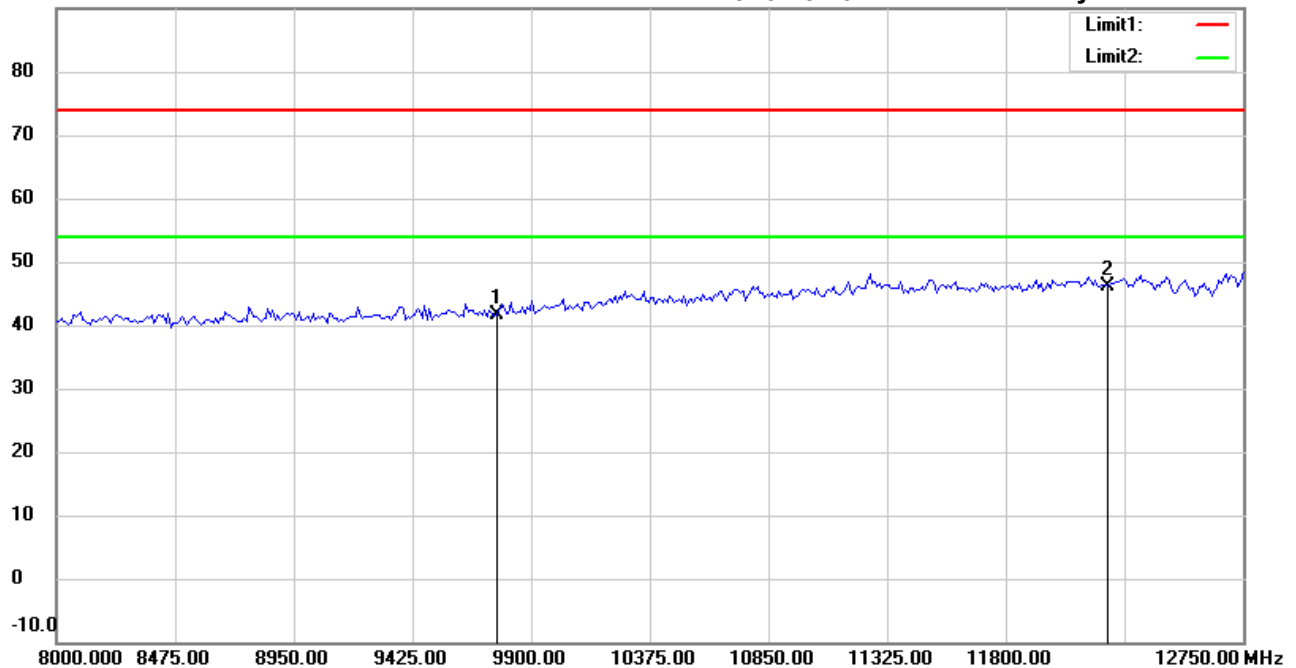
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 3:15:19 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: **Horizontal**

Power : 110 Va.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	34.92	peak	6.76	41.68	74.00	150	250	-32.32	
*	12200.000	33.30	peak	12.85	46.15	74.00	150	40	-27.85	

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



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Radiated Emission Measurement

Operator: Allen

File : 3

Data : #8

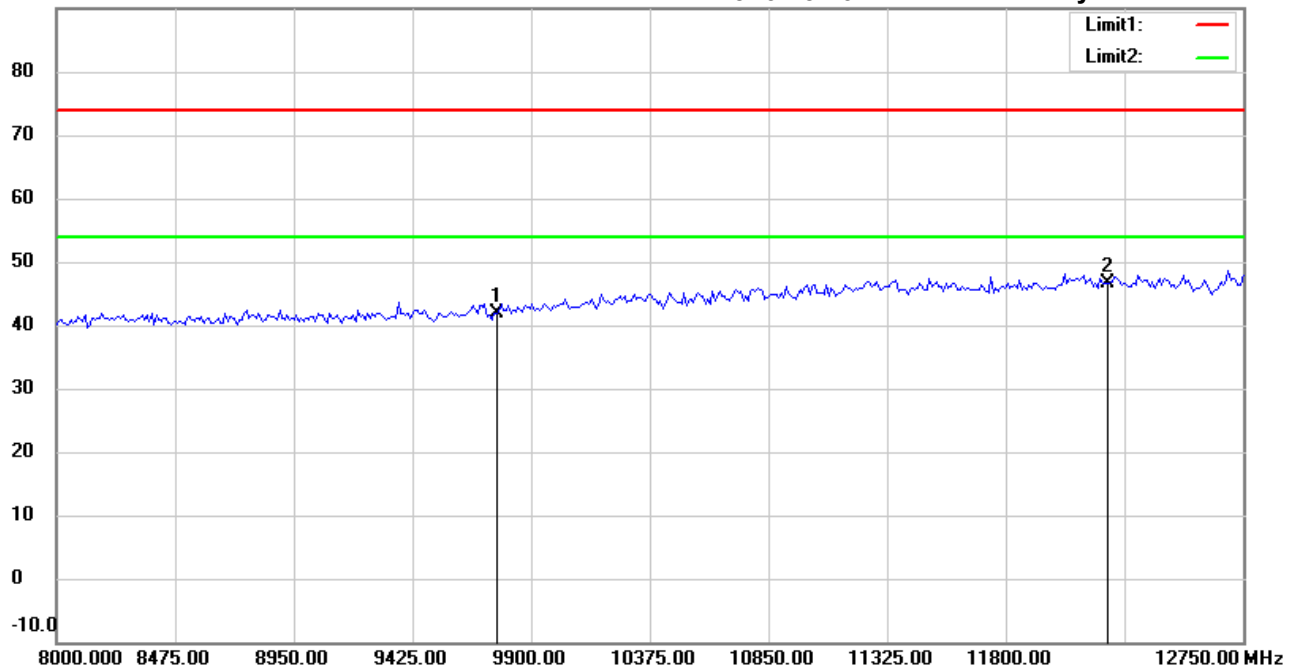
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 3:18:43 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: **Vertical**

Power : 110 Va.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	35.15	peak	6.76	41.91	74.00	150	130	-32.09	
*	12200.000	33.67	peak	12.85	46.52	74.00	150	245	-27.48	

*: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: Allen

File : 3

Data : #4

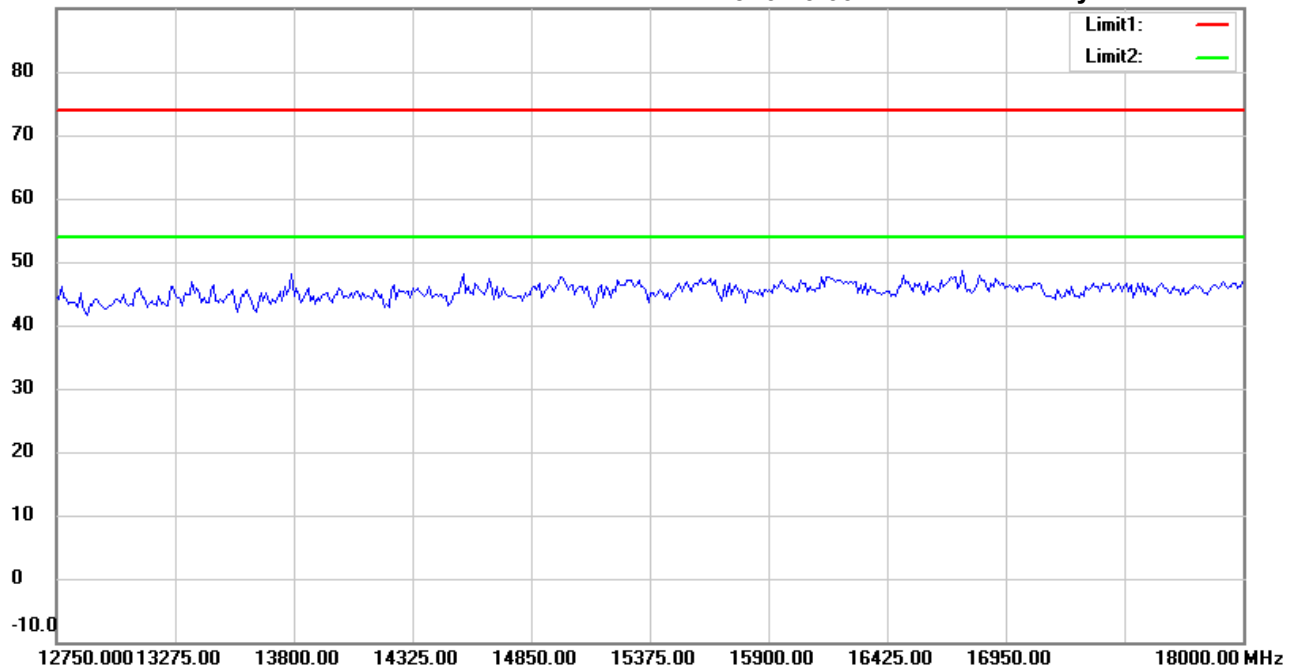
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 3:15:33 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Horizontal*

Power : 110 Va.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: Allen

File : 3

Data : #9

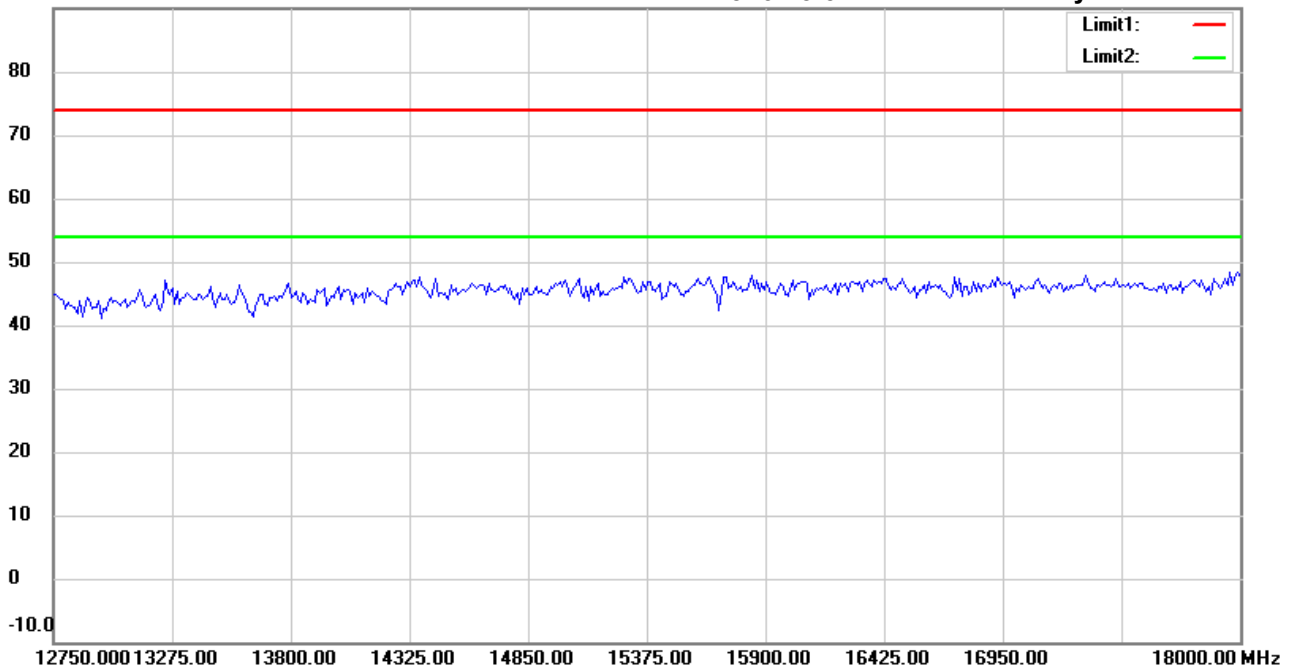
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 3:18:57 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: Vertical

Power : 110 Va.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
Tel: +886-2-6606-8877
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Radiated Emission Measurement

Operator: Allen

File : 3

Data : #5

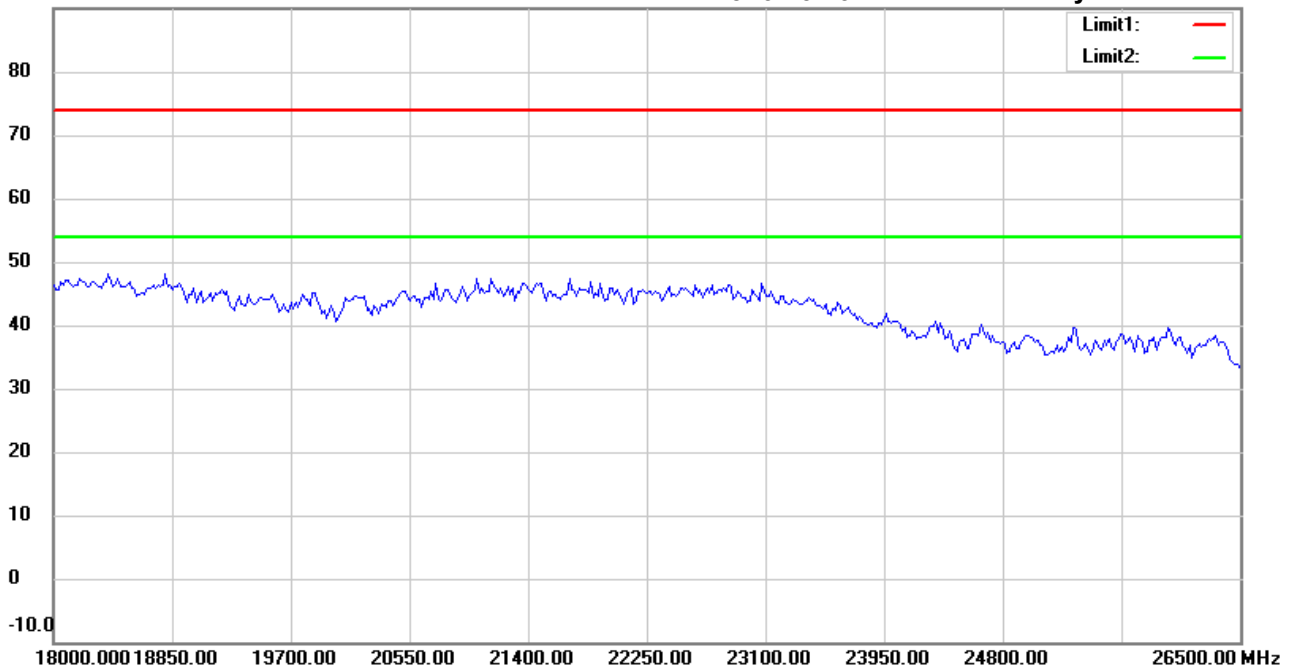
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 3:15:43 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Horizontal*

Power : 110 Va.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: Allen

File : 3

Data : #10

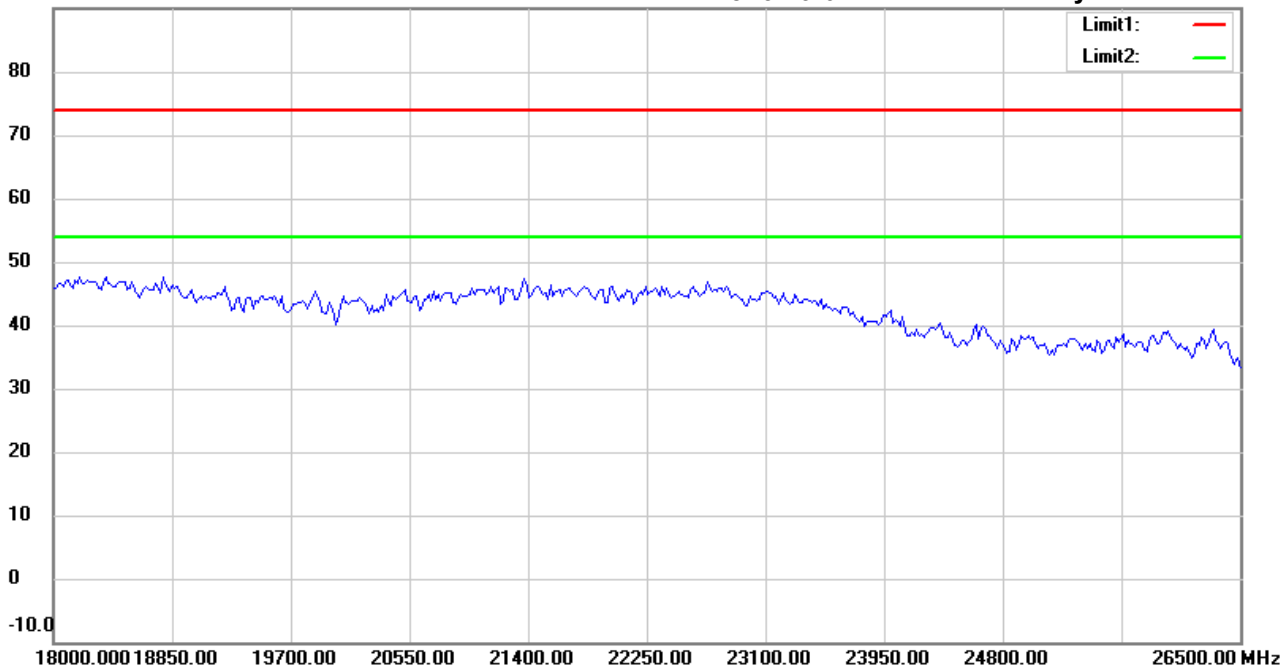
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 3:19:07 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: Vertical

Power : 110 Va.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: Allen

File : 3

Data : #1

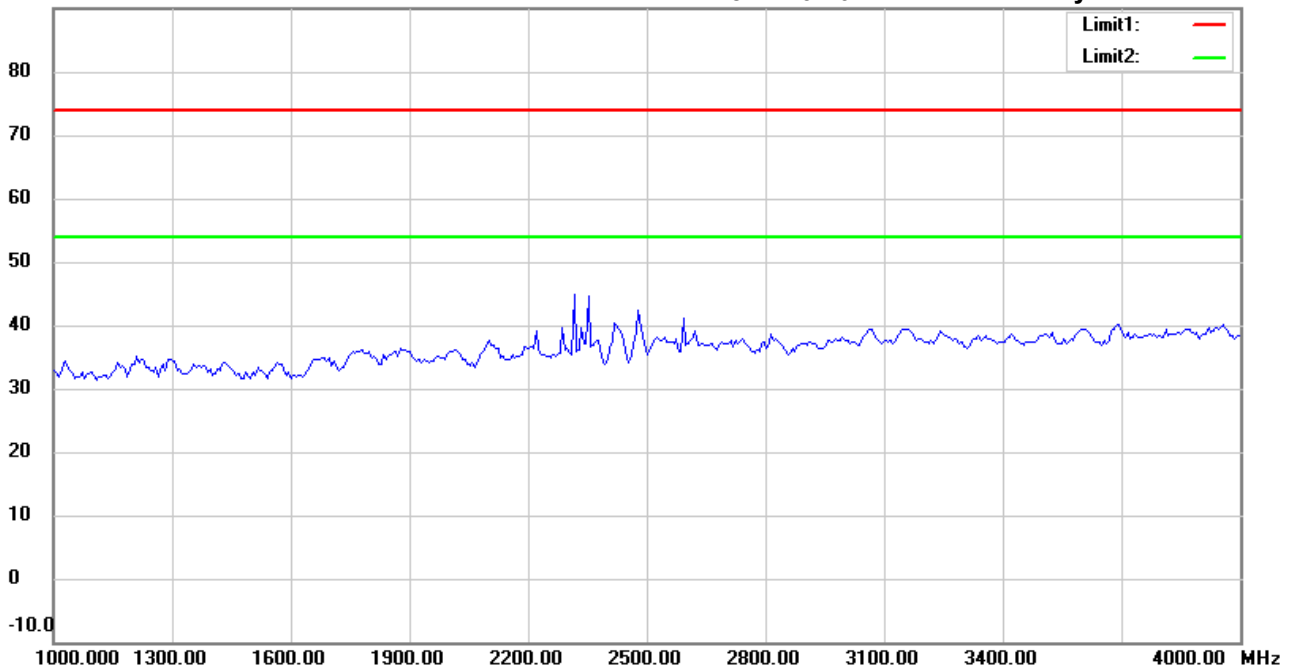
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 4:46:40 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 110 Va.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: Allen

File : 3

Data : #6

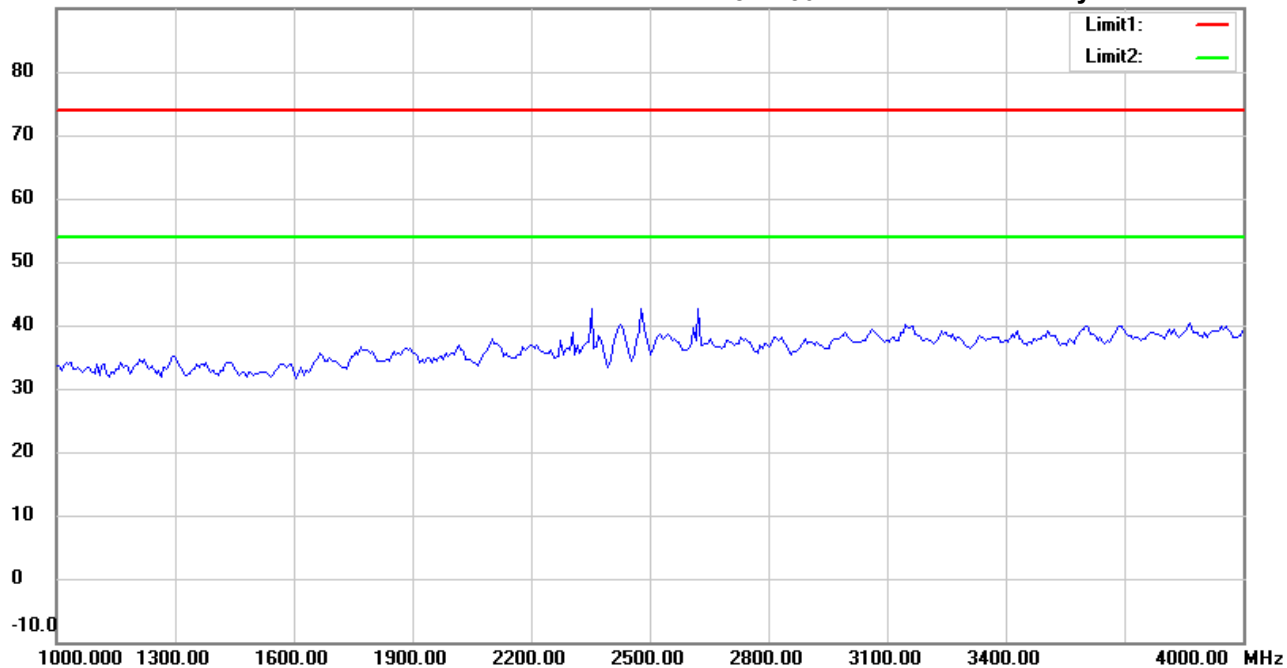
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 4:50:11 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: **Vertical**

Power : 110 Va.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: Allen

File : 3

Data : #2

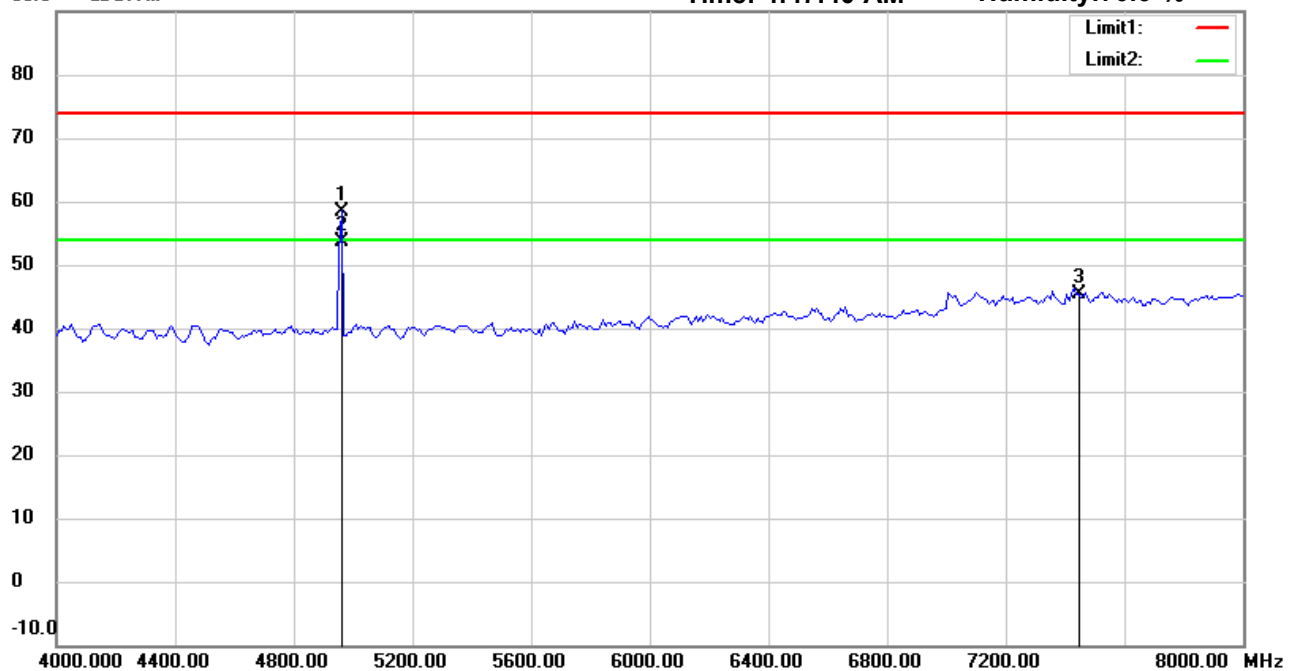
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 4:47:40 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: **Horizontal**

Power : 110 Va.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
	4959.924	59.66	peak	-1.35	58.31	74.00	150	285	-15.69	
*	4959.924	55.03	AVG	-1.35	53.68	54.00	150	285	-0.32	
	7440.000	41.68	peak	3.72	45.40	74.00	150	150	-28.60	

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



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Radiated Emission Measurement

Operator: Allen

File : 3

Data : #7

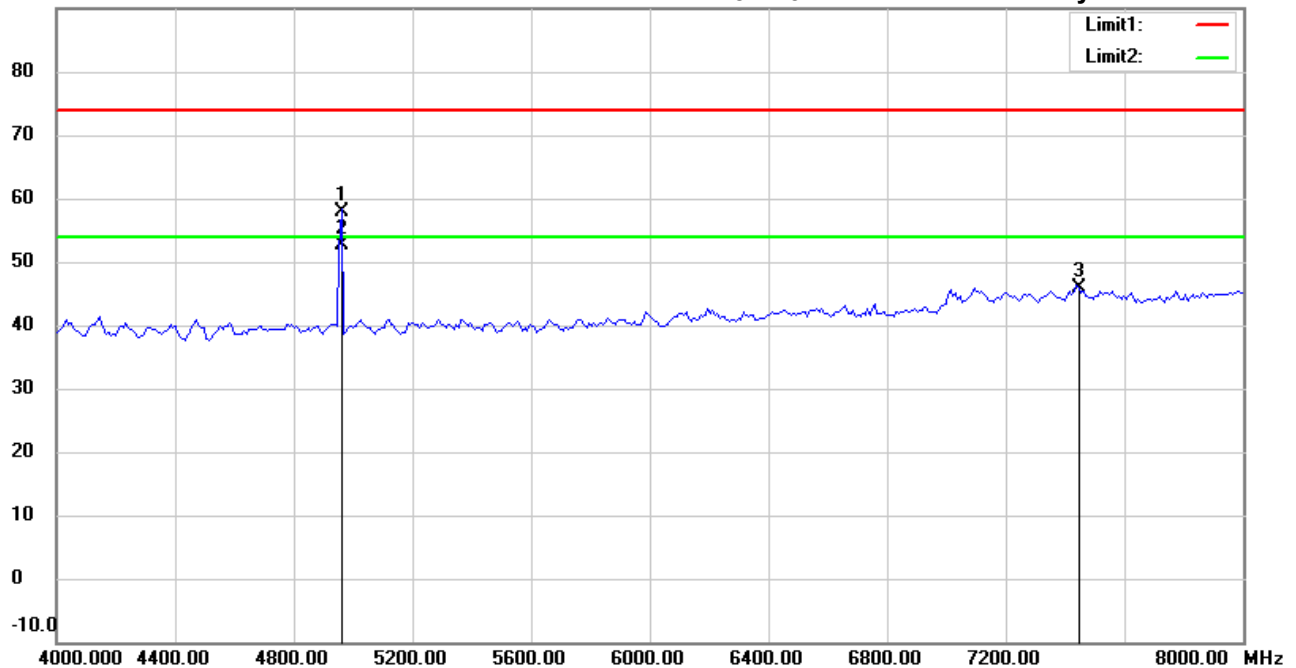
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 4:51:12 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: **Vertical**

Power : 110 V.a.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
	4960.015	59.13	peak	-1.35	57.78	74.00	150	120	-16.22	
*	4960.015	54.06	AVG	-1.35	52.71	54.00	150	120	-1.29	
	7440.000	42.04	peak	3.72	45.76	74.00	150	195	-28.24	

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



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Radiated Emission Measurement

Operator: Allen

File :3

Data :#3

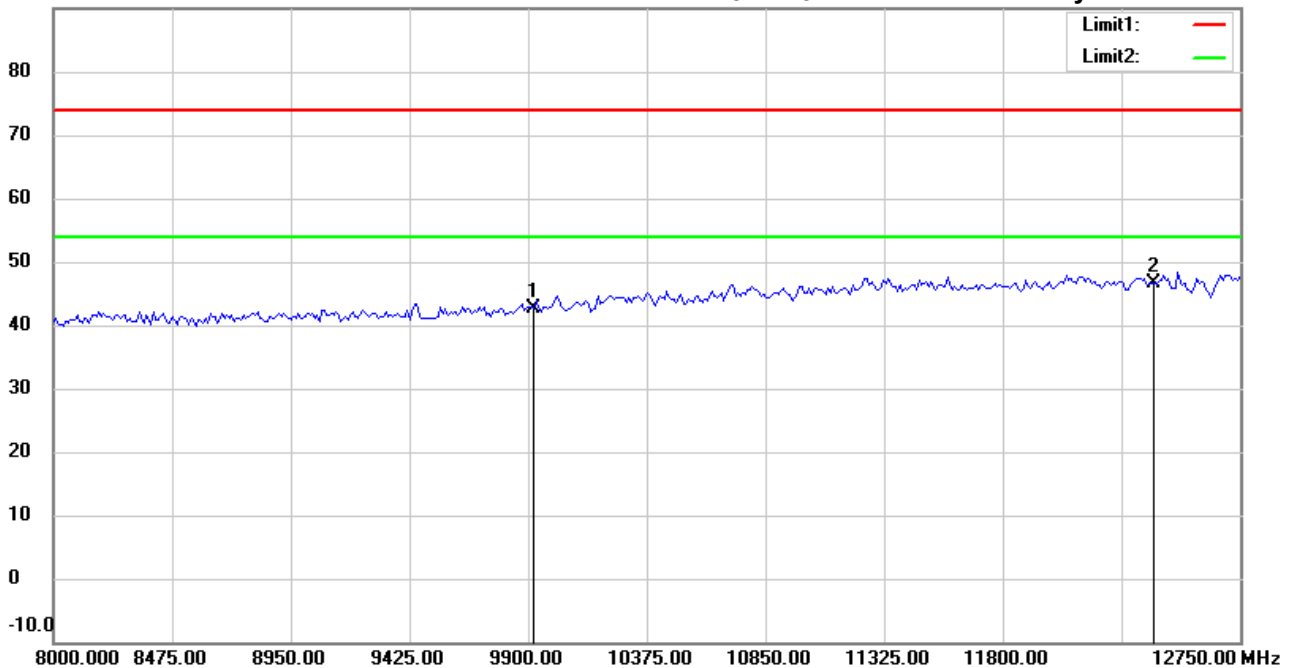
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 4:48:47 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: **Horizontal**

Power : 110 Va.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	35.50	peak	7.16	42.66	74.00	150	255	-31.34	
*	12400.000	33.98	peak	12.75	46.73	74.00	150	300	-27.27	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, NeiHu, Taipei
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Radiated Emission Measurement

Operator: Allen

File :3

Data :#8

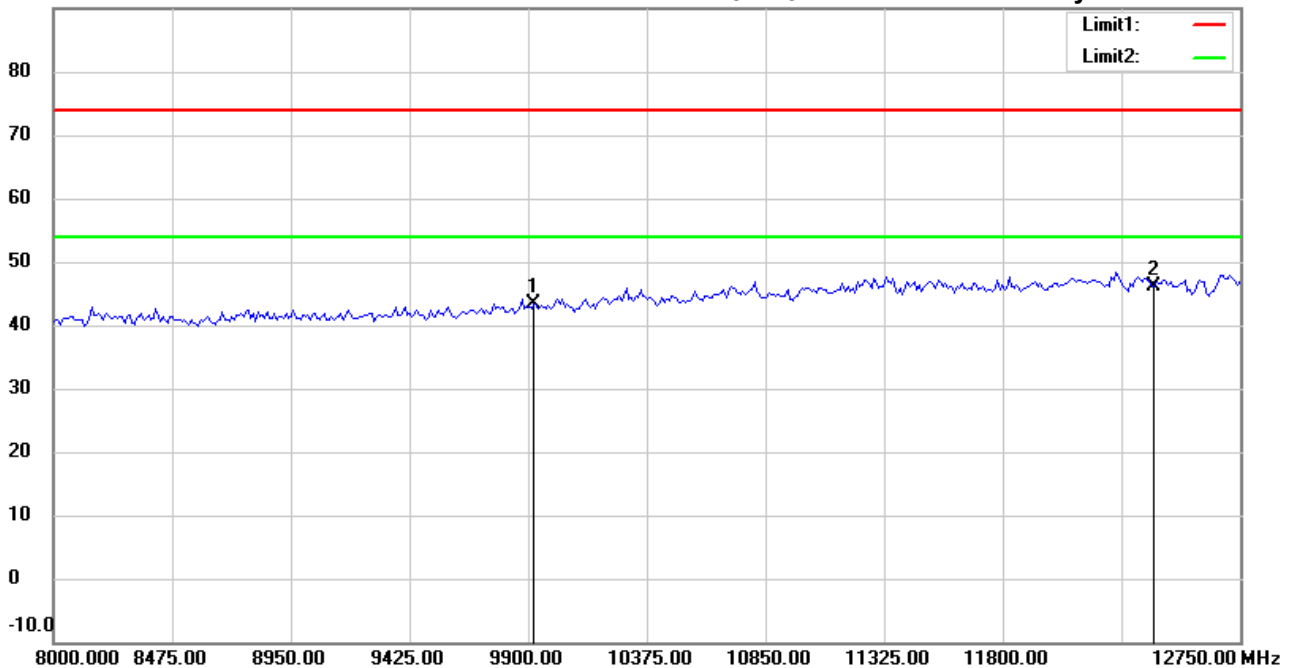
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 4:52:12 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: **Vertical**

Power : 110 Va.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	36.11	peak	7.16	43.27	74.00	150	30	-30.73	
*	12400.000	33.31	peak	12.75	46.06	74.00	150	175	-27.94	

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



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Radiated Emission Measurement

Operator: Allen

File : 3

Data : #4

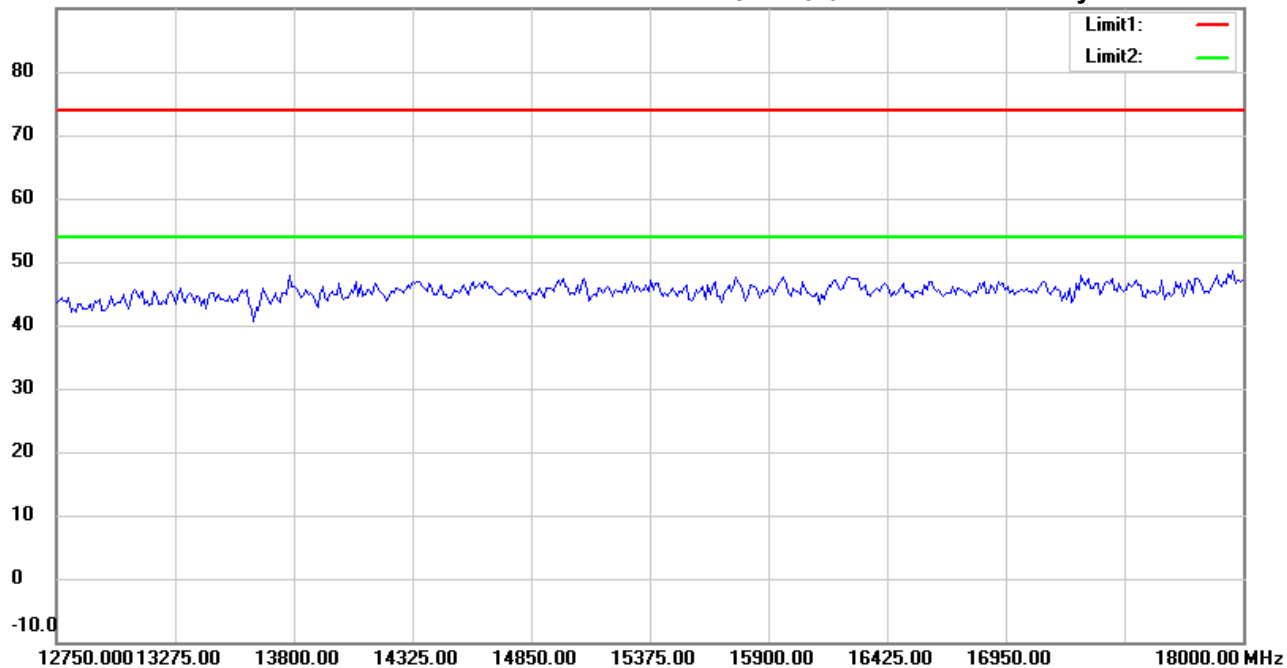
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 4:49:01 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 110 Va.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: Allen

File : 3

Data : #9

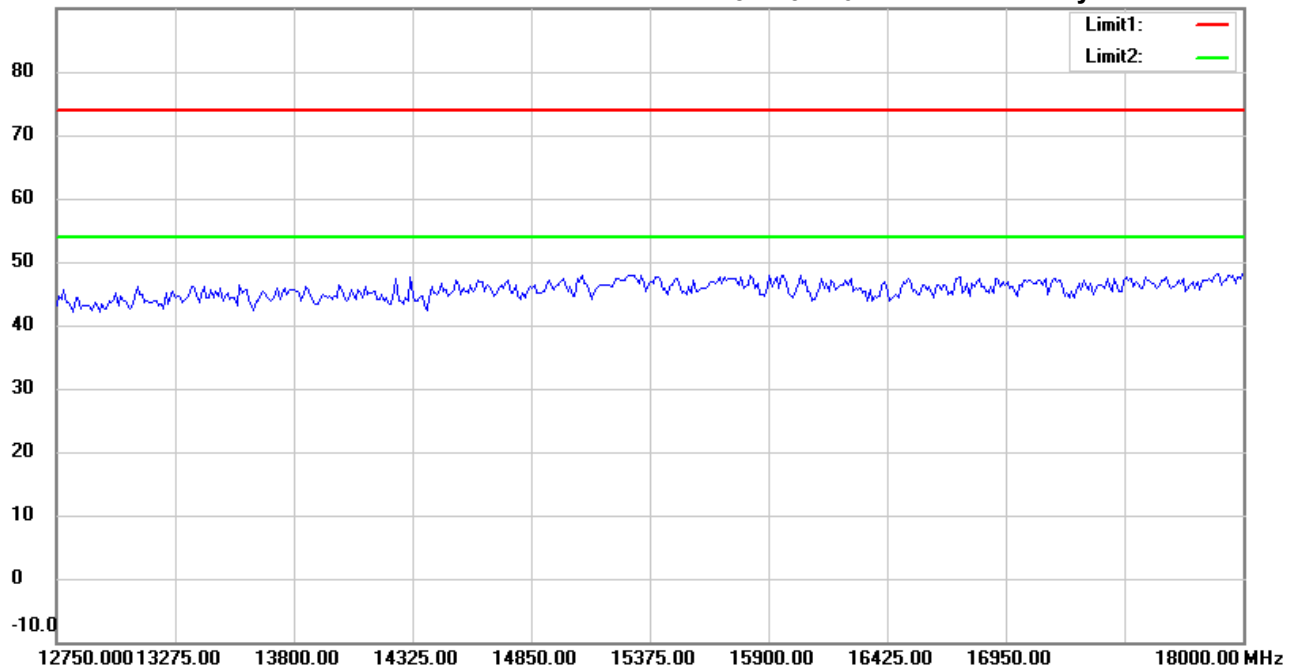
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 4:52:26 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: Vertical

Power : 110 Va.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: Allen

File : 3

Data : #5

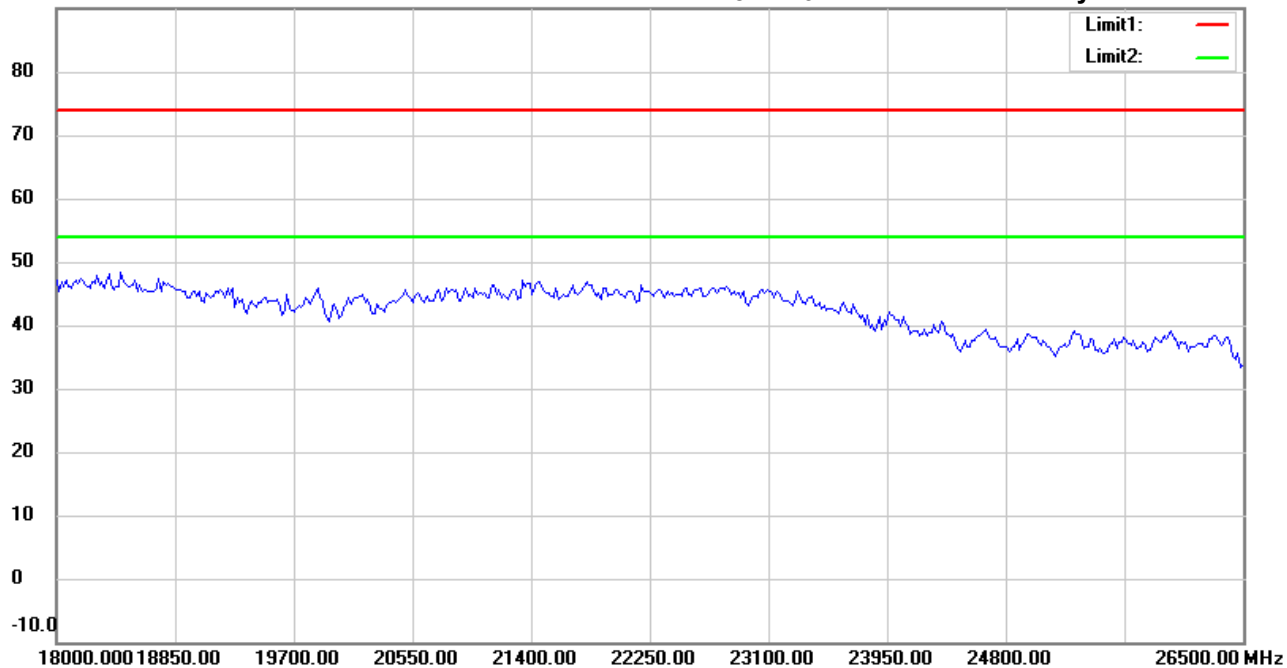
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 4:49:11 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 110 Va.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: Allen

File : 3

Data : #10

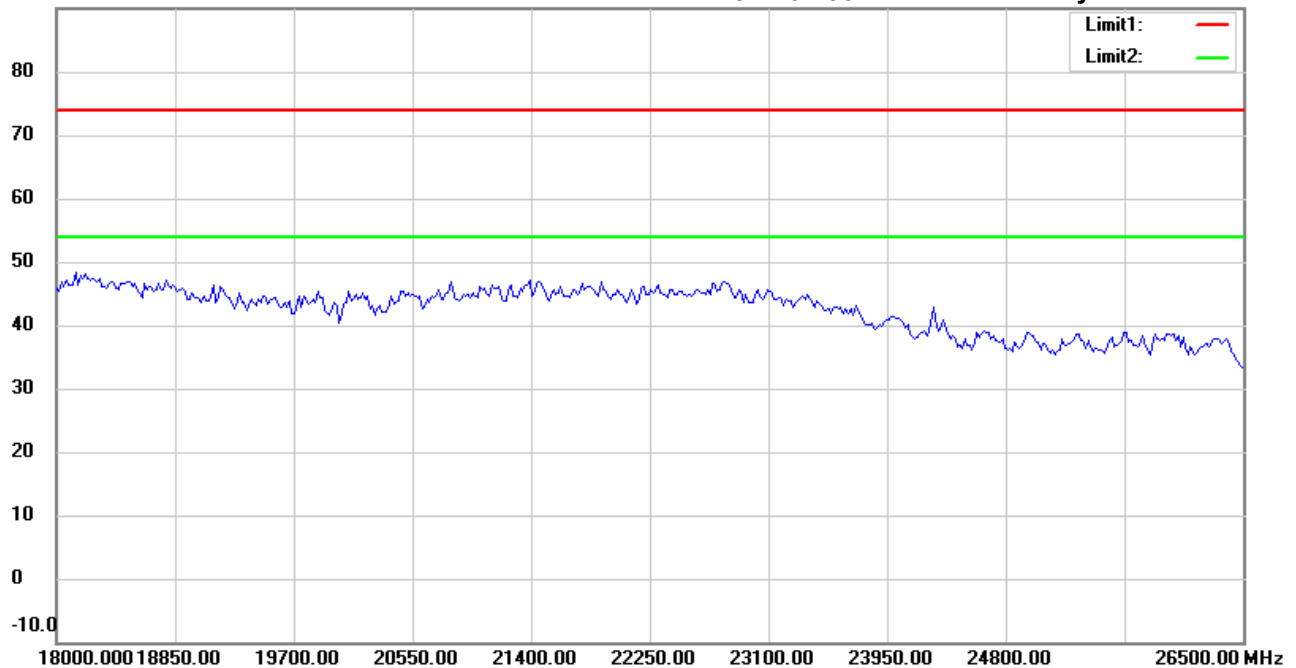
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 4:52:36 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: Vertical

Power : 110 Va.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: Allen

File : 3

Data : #1

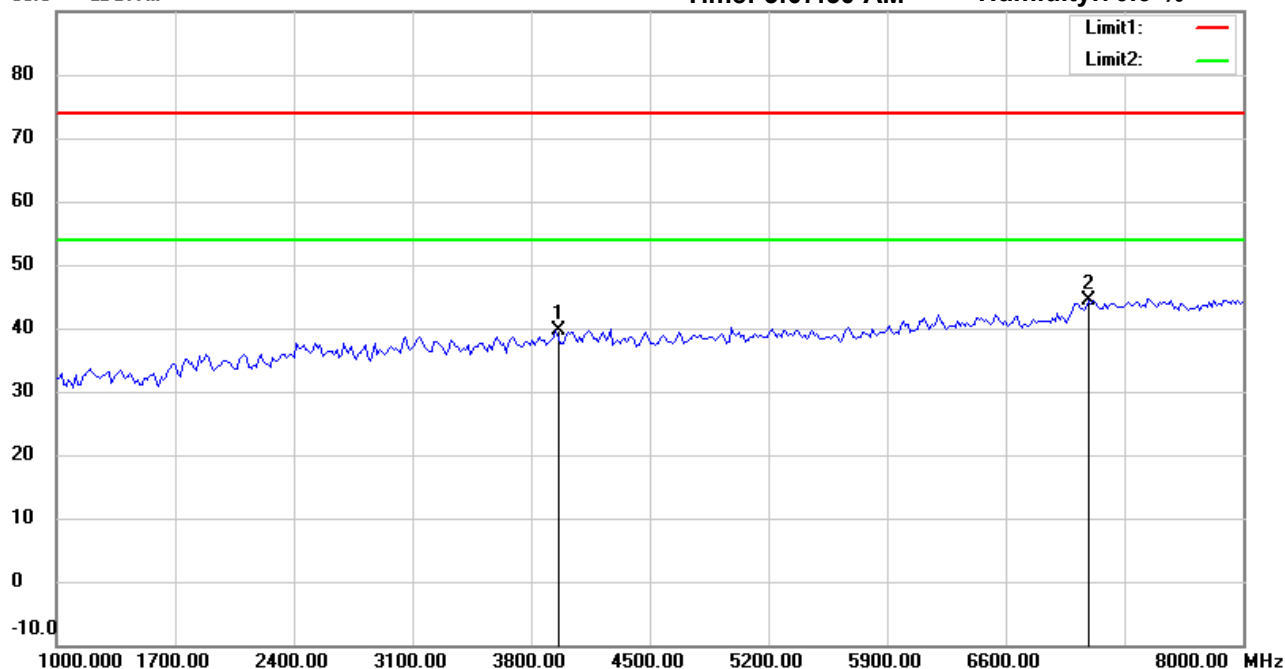
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 5:07:50 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

Polarization: *Horizontal*

EUT : W6M21910-19409

Power : 110 Va.c.

M/N:

Distance: 3m

Test Mode : RX 2403MHz

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
	3945.892	41.53	peak	-2.02	39.51	74.00	150	170	-34.49	
*	7088.176	40.73	peak	3.55	44.28	74.00	150	200	-29.72	



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Radiated Emission Measurement

Operator: Allen

File : 3

Data : #5

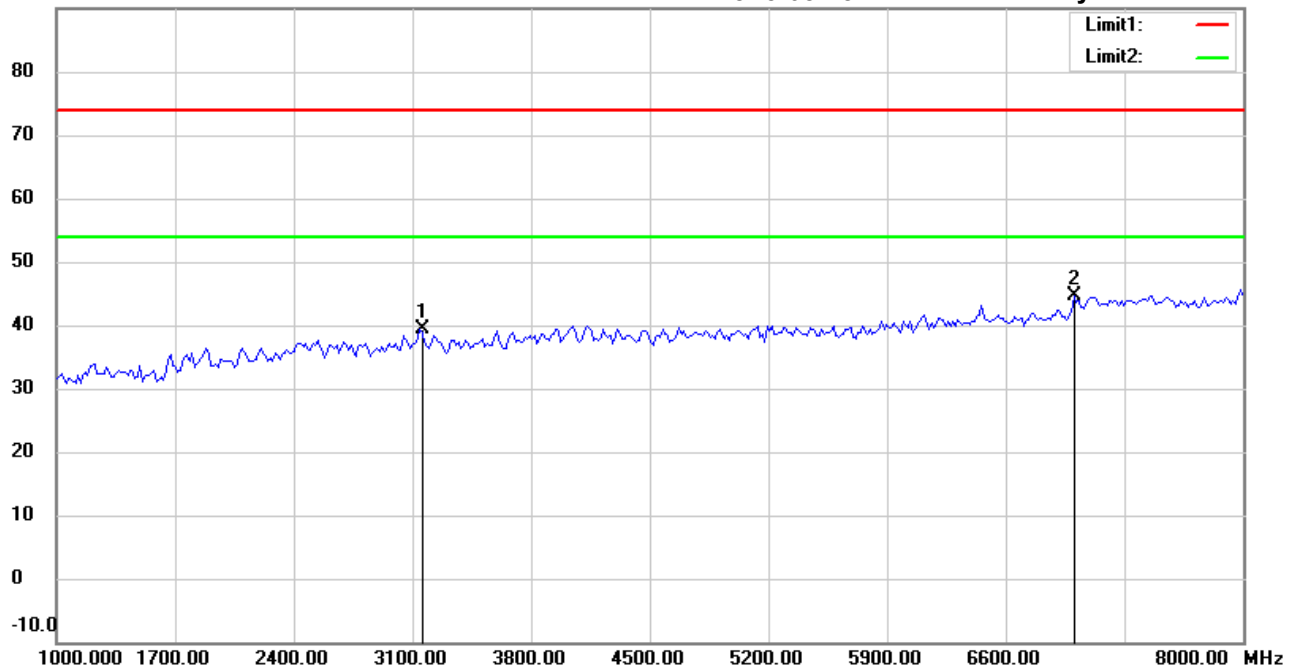
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 5:08:48 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : RX 2403MHz

Note :

Polarization: **Vertical**

Power : 110 Va.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
	3146.293	42.89	peak	-3.63	39.26	74.00	150	80	-34.74	
*	7004.008	41.17	peak	3.57	44.74	74.00	150	235	-29.26	

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



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Radiated Emission Measurement

Operator: Allen

File : 3

Data : #2

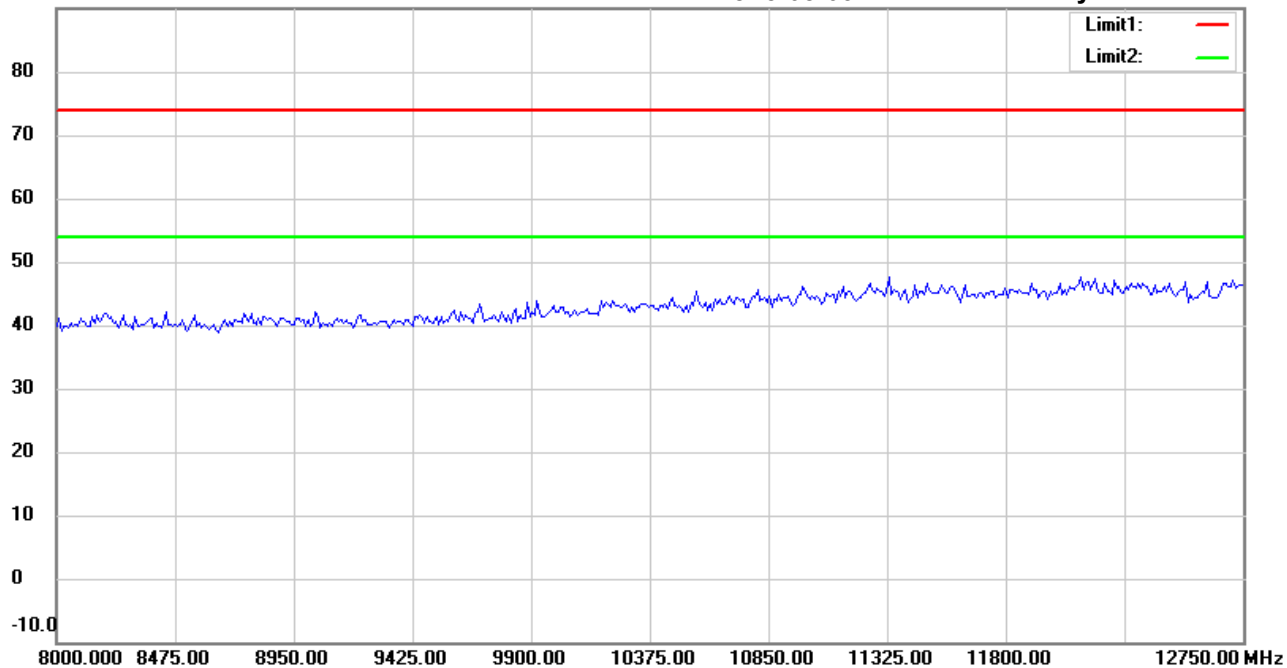
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 5:08:03 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : RX 2403MHz

Note :

Polarization: Horizontal

Power : 110 Va.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: Allen

File : 3

Data : #6

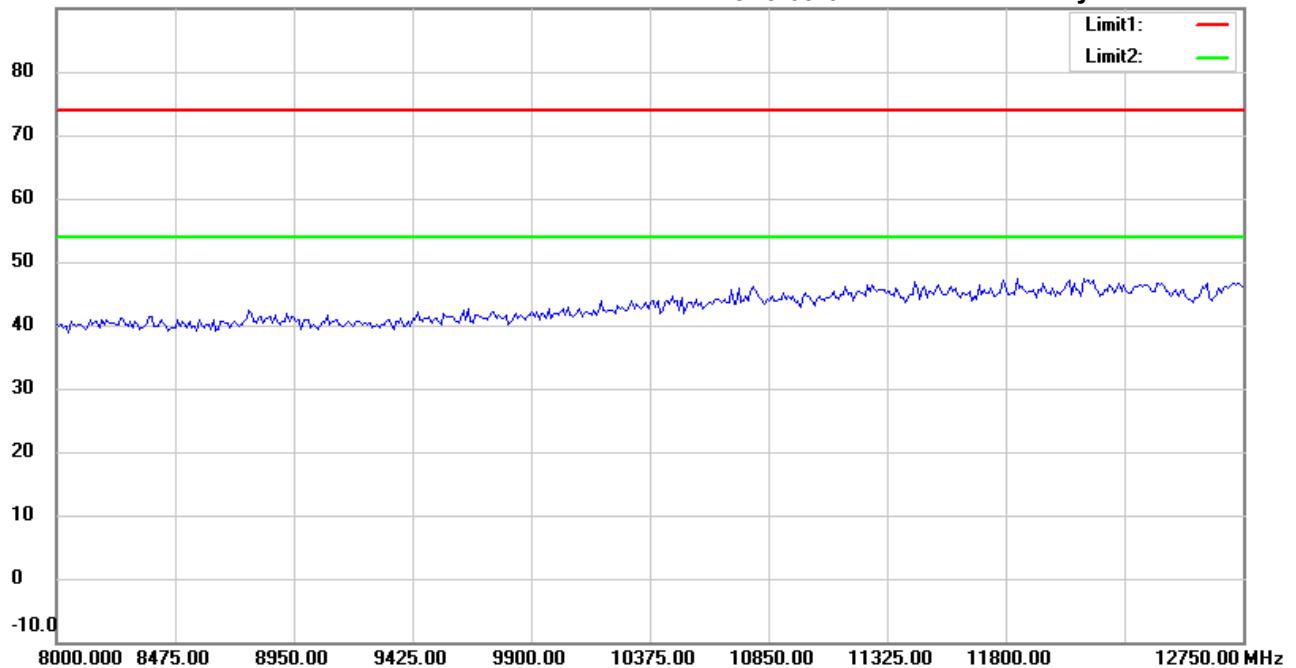
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 5:09:01 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : RX 2403MHz

Note :

Polarization: **Vertical**

Power : 110 Va.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: Allen

File : 3

Data : #3

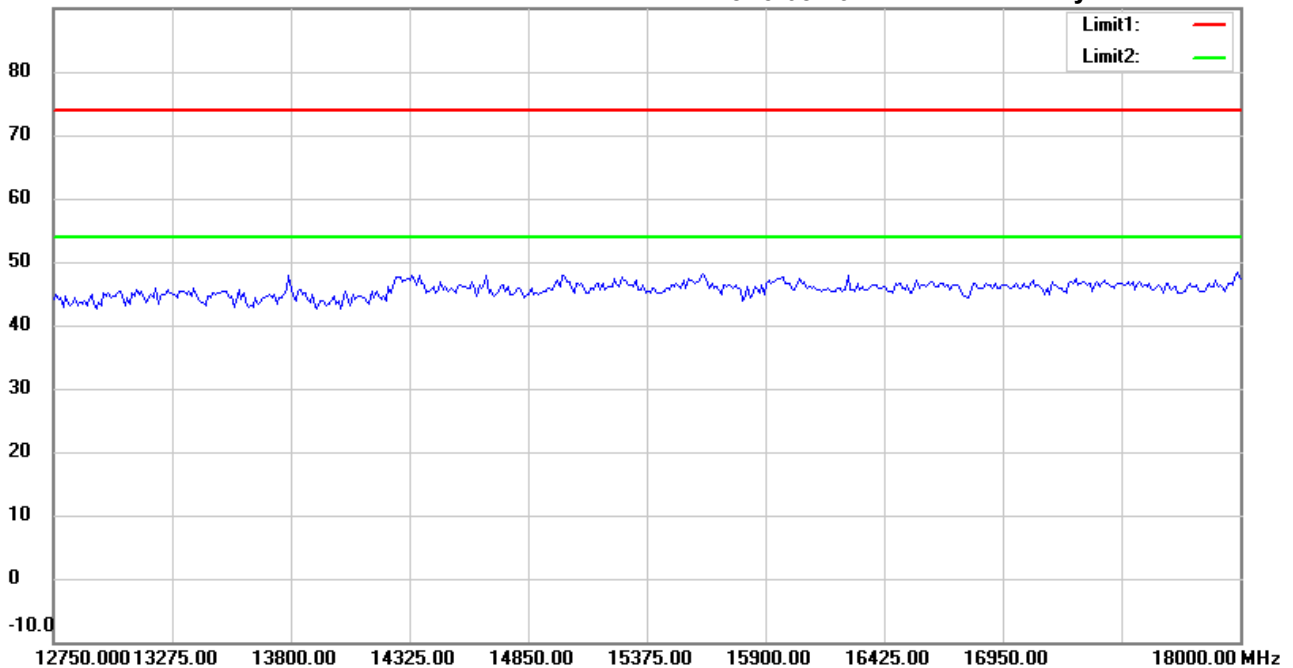
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 5:08:29 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : RX 2403MHz

Note :

Polarization: *Horizontal*

Power : 110 V.a.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: Allen

File : 3

Data : #7

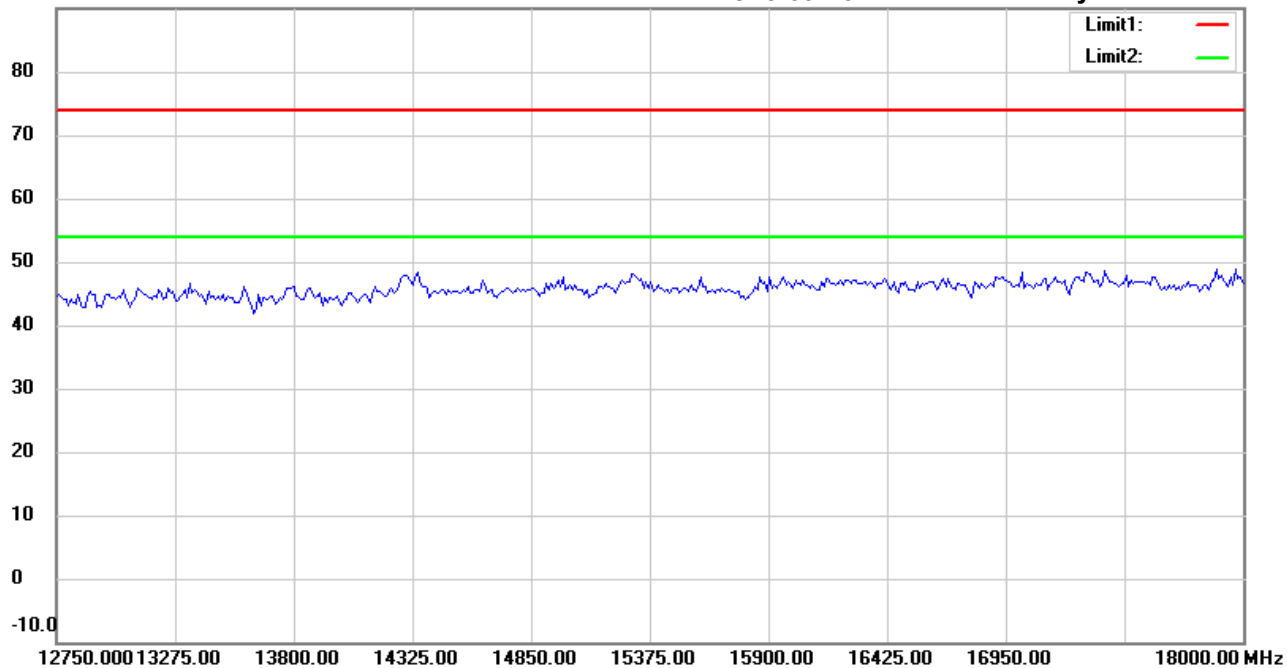
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 5:09:26 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : RX 2403MHz

Note :

Polarization: *Vertical*

Power : 110 Va.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: Allen

File : 3

Data : #4

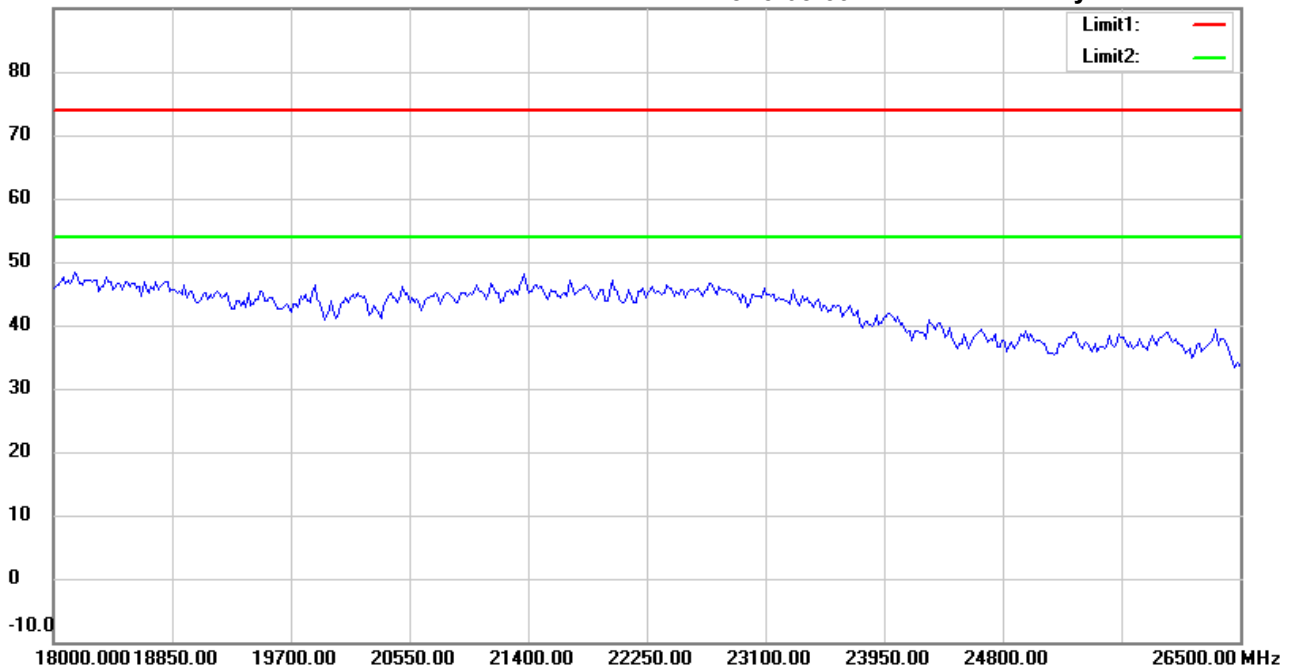
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 5:08:39 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : RX 2403MHz

Note :

Polarization: *Horizontal*

Power : 110 Va.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: Allen

File : 3

Data : #8

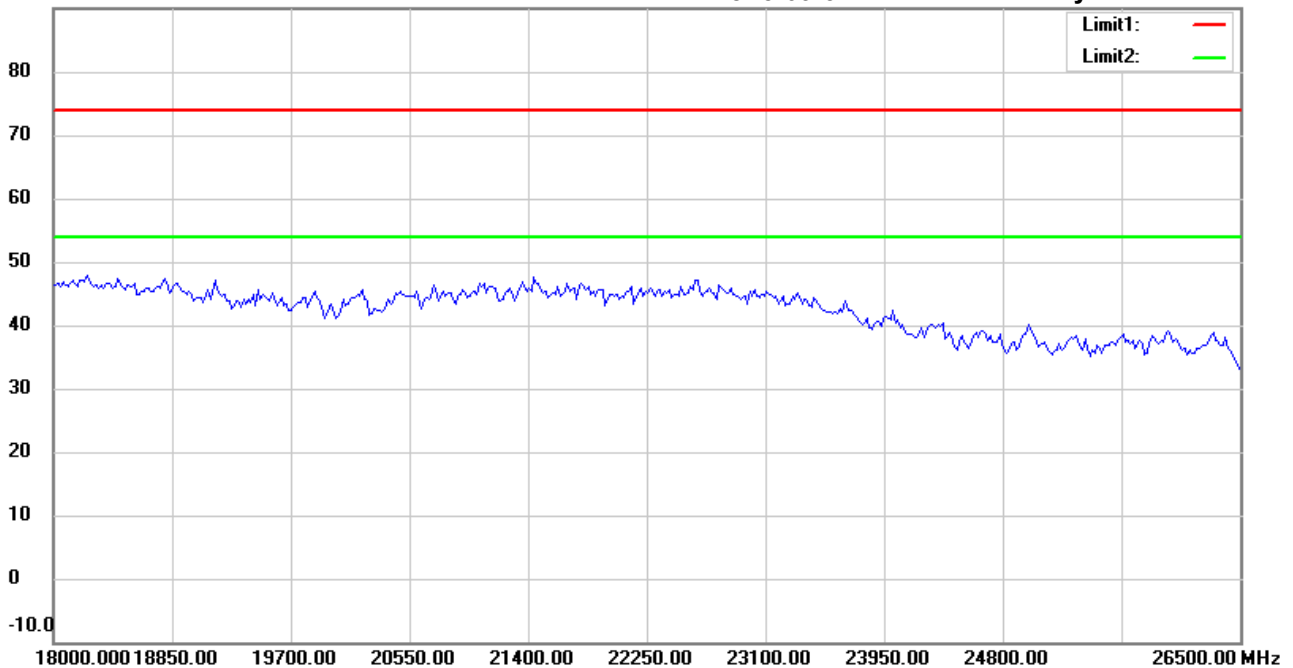
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 5:09:37 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : RX 2403MHz

Note :

Polarization: *Vertical*

Power : 110 Va.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: Allen

File : 3

Data : #1

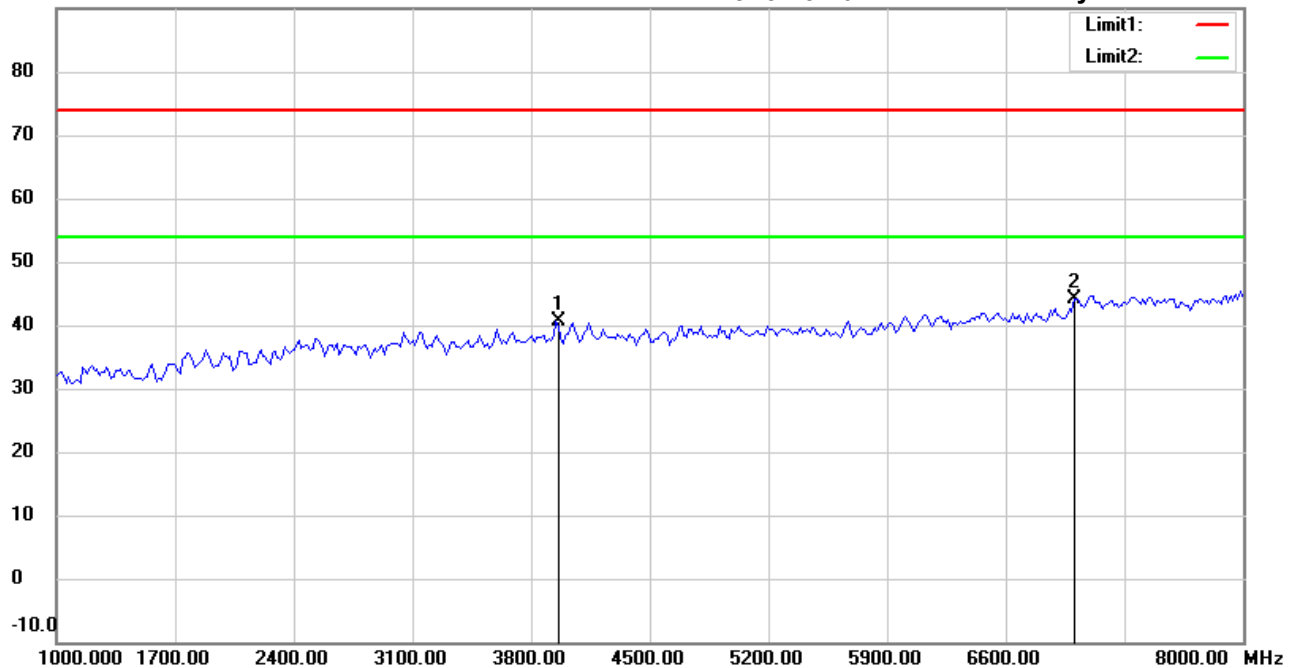
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 5:15:40 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: **Horizontal**

Power : 110 V.a.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
	3945.892	42.77	peak	-2.02	40.75	74.00	150	110	-33.25	
*	7004.008	40.67	peak	3.57	44.24	74.00	150	15	-29.76	

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



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Radiated Emission Measurement

Operator: Allen

File : 3

Data : #5

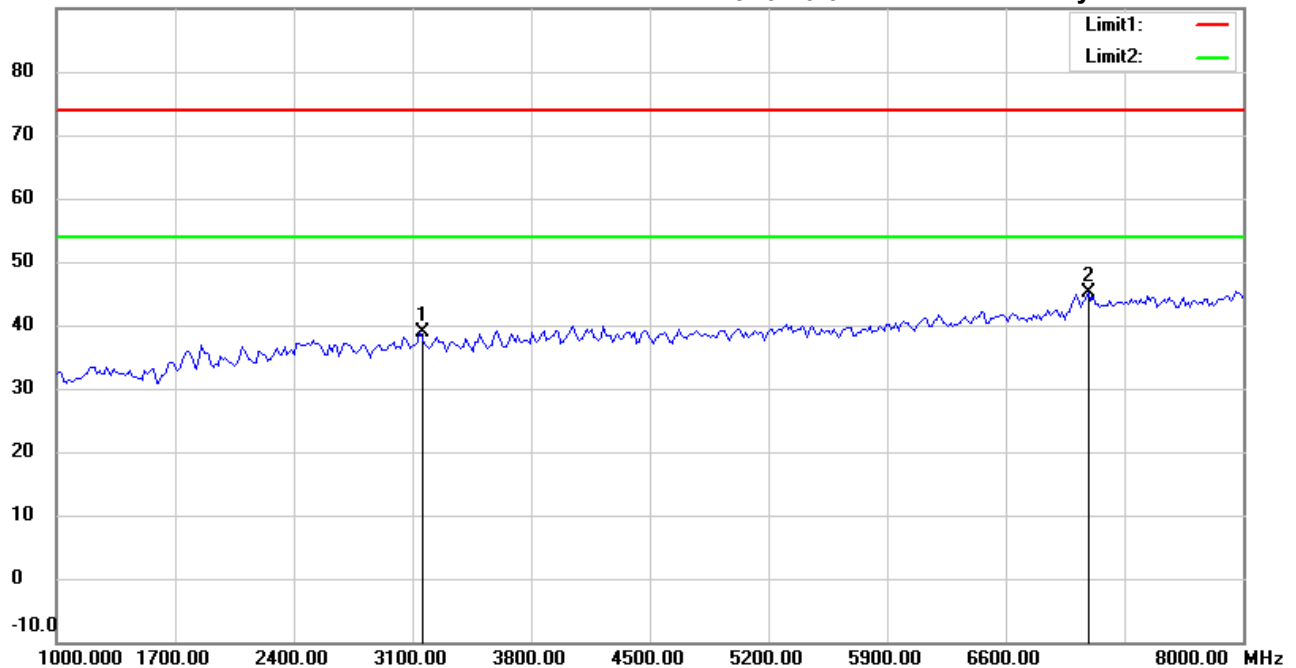
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 5:16:37 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: **Vertical**

Power : 110 Va.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
	3146.293	42.63	peak	-3.63	39.00	74.00	150	70	-35.00	
*	7088.176	41.66	peak	3.55	45.21	74.00	150	230	-28.79	

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



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Radiated Emission Measurement

Operator: Allen

File : 3

Data : #2

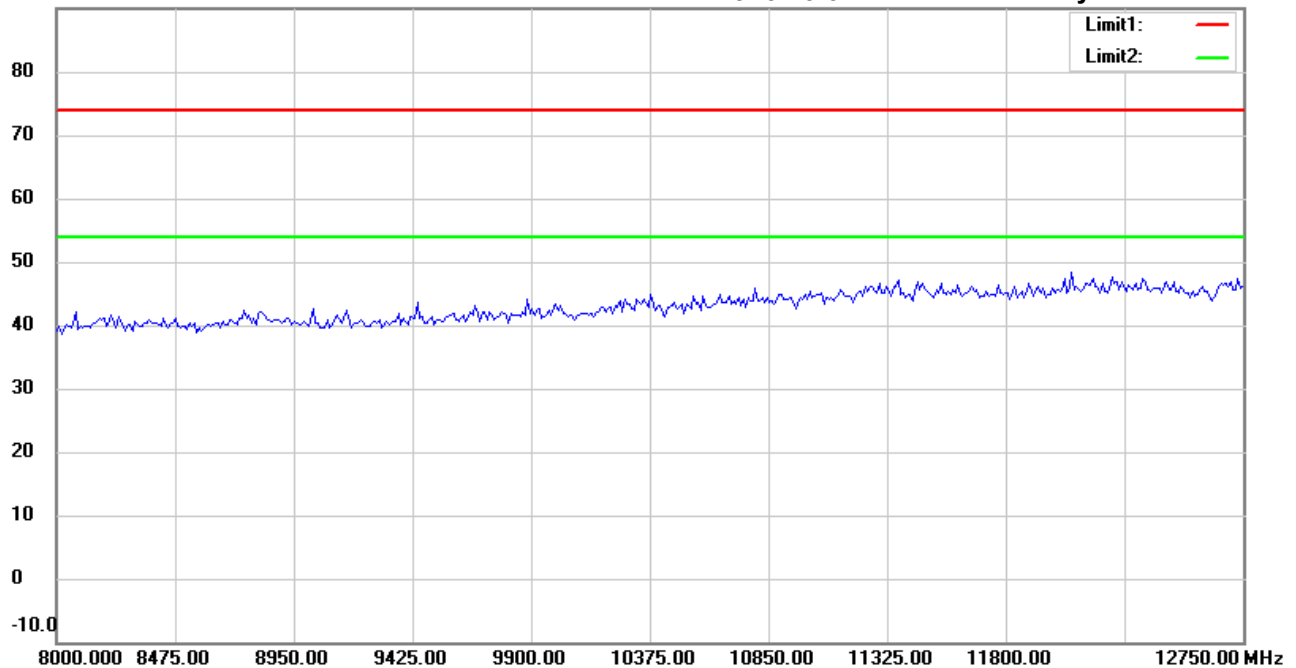
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 5:15:52 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: *Horizontal*

Power : 110 Va.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: Allen

File : 3

Data : #6

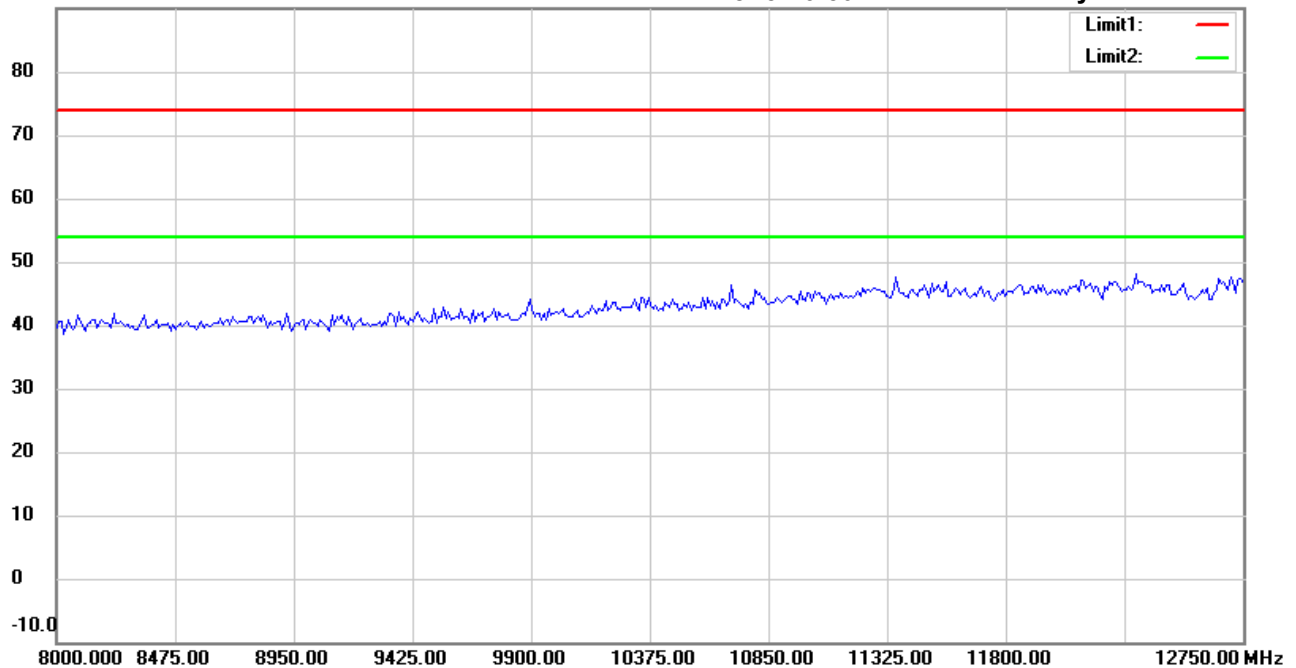
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 5:16:50 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: Vertical

Power : 110 Va.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: Allen

File : 3

Data : #3

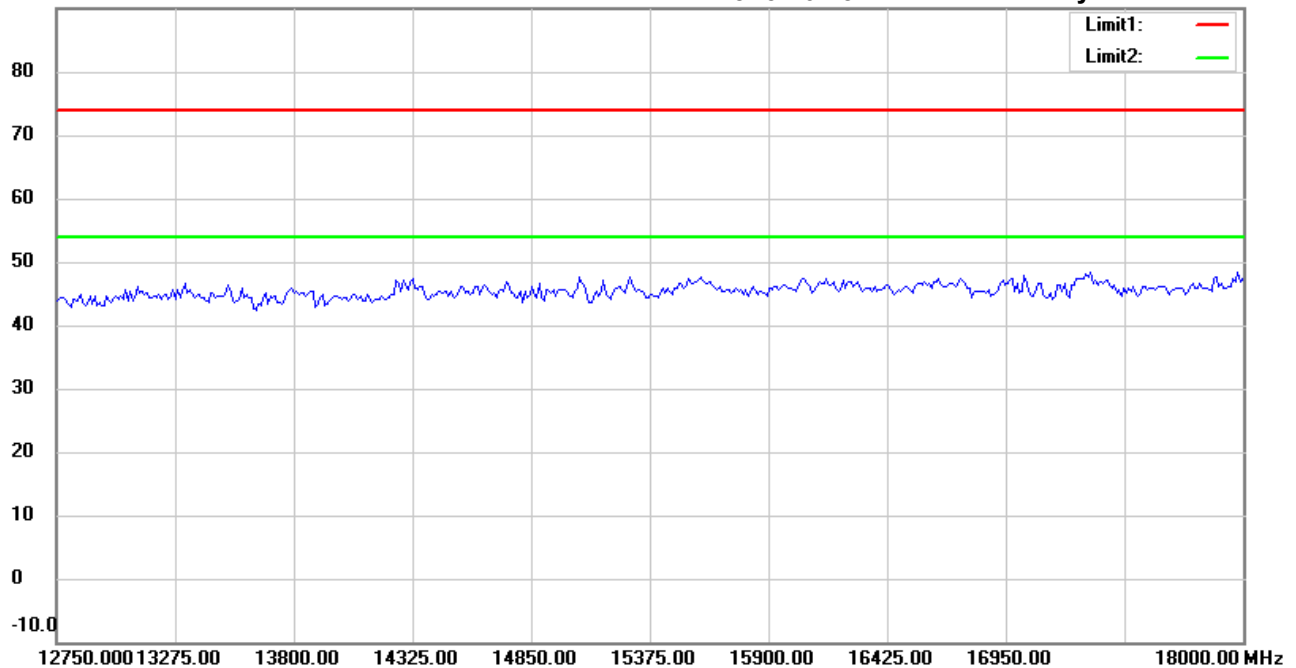
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 5:16:18 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: *Horizontal*

Power : 110 Va.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: Allen

File : 3

Data : #7

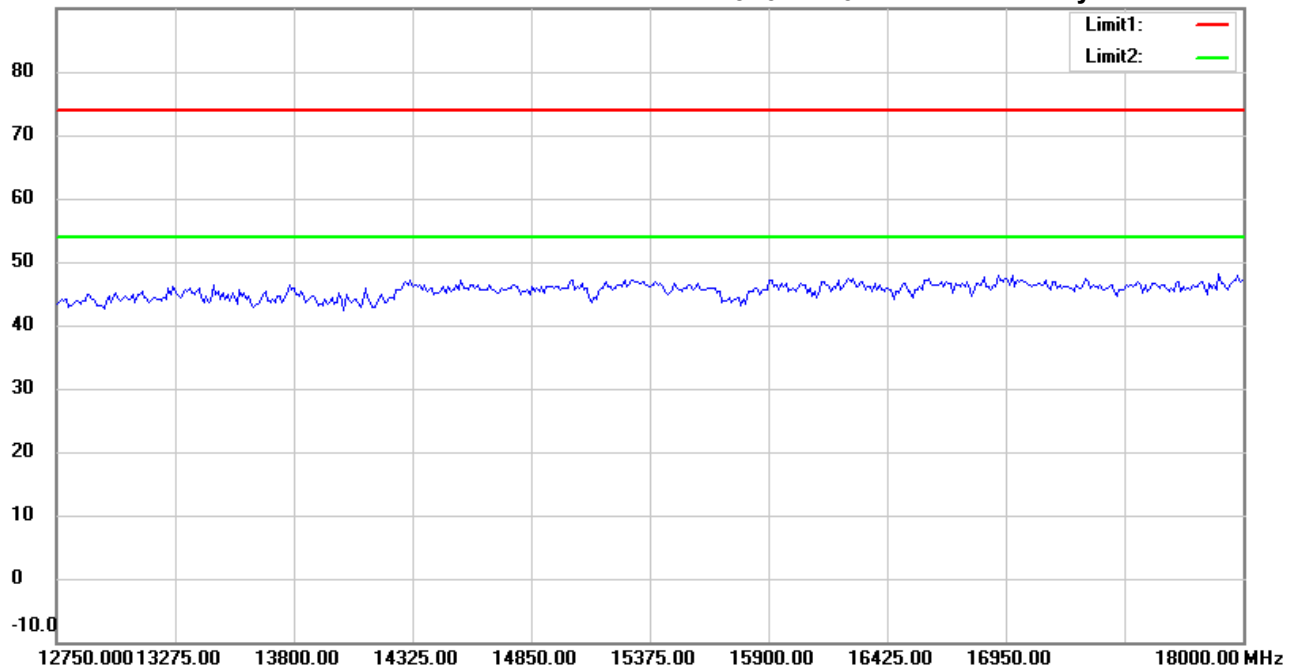
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 5:17:15 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: Vertical

Power : 110 Va.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: Allen

File : 3

Data : #4

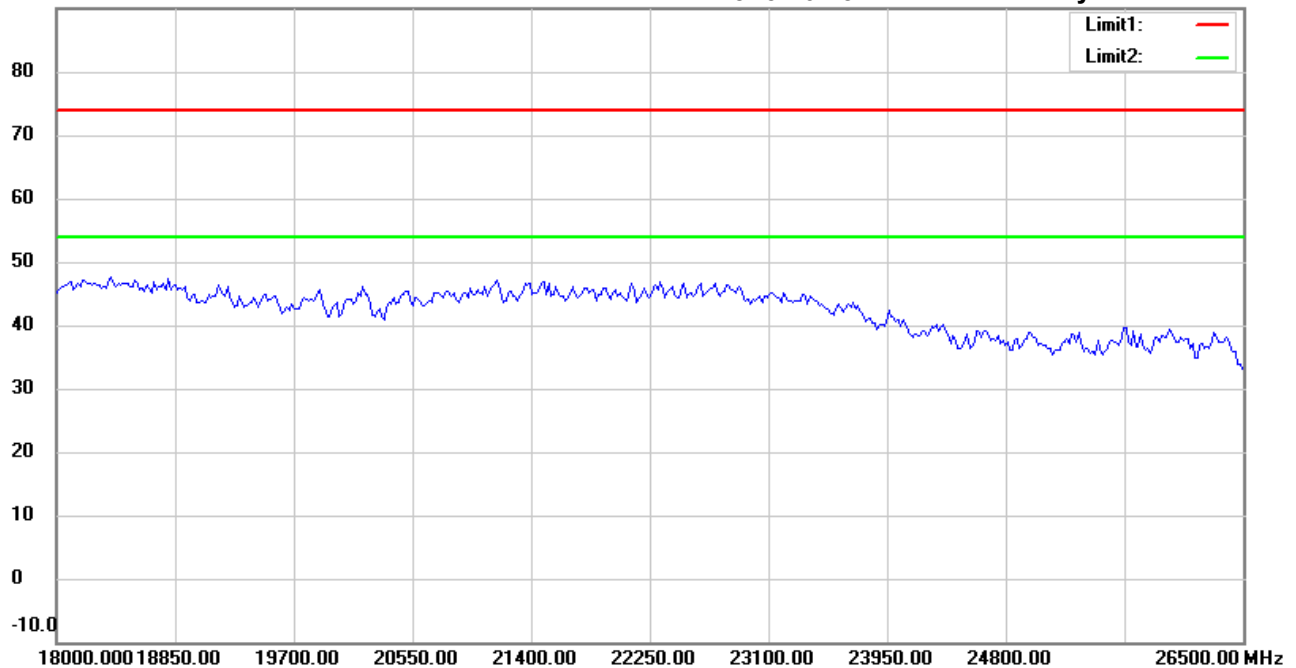
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 5:16:28 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: *Horizontal*

Power : 110 Va.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
Fax: +886-2-6606-8875

Radiated Emission Measurement

Operator: Allen

File : 3

Data : #8

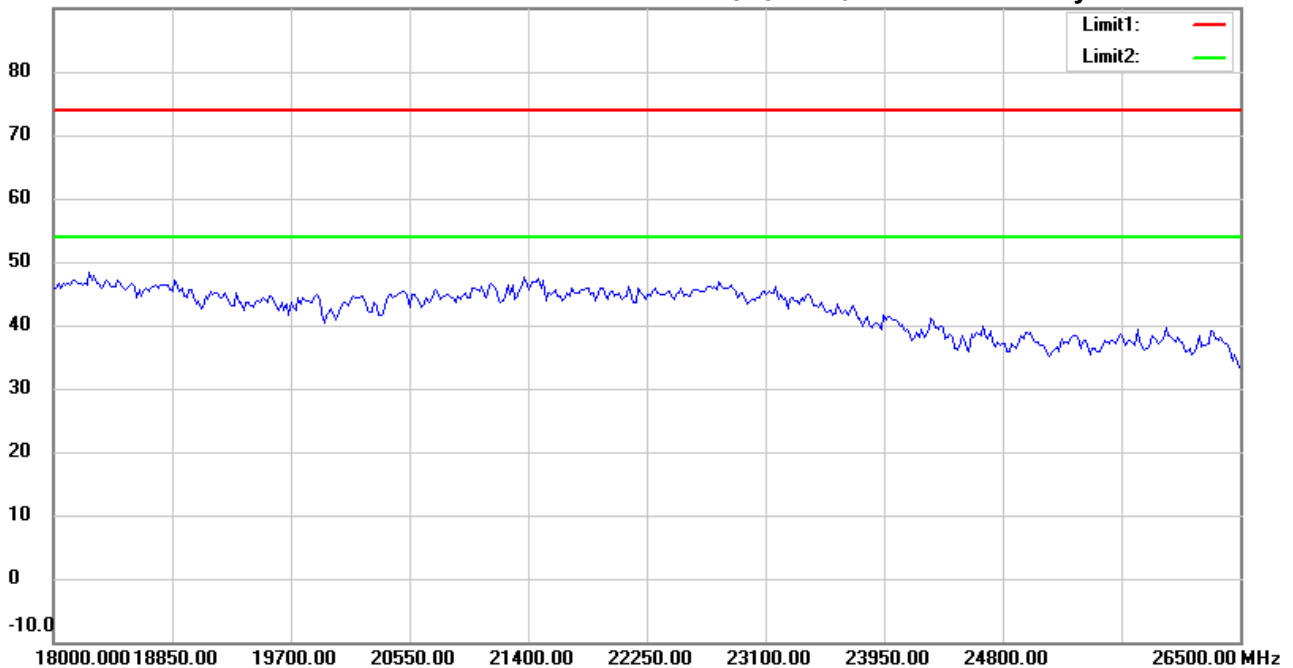
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 5:17:26 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: Vertical

Power : 110 Va.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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Radiated Emission Measurement

Operator: Allen

File : 3

Data : #1

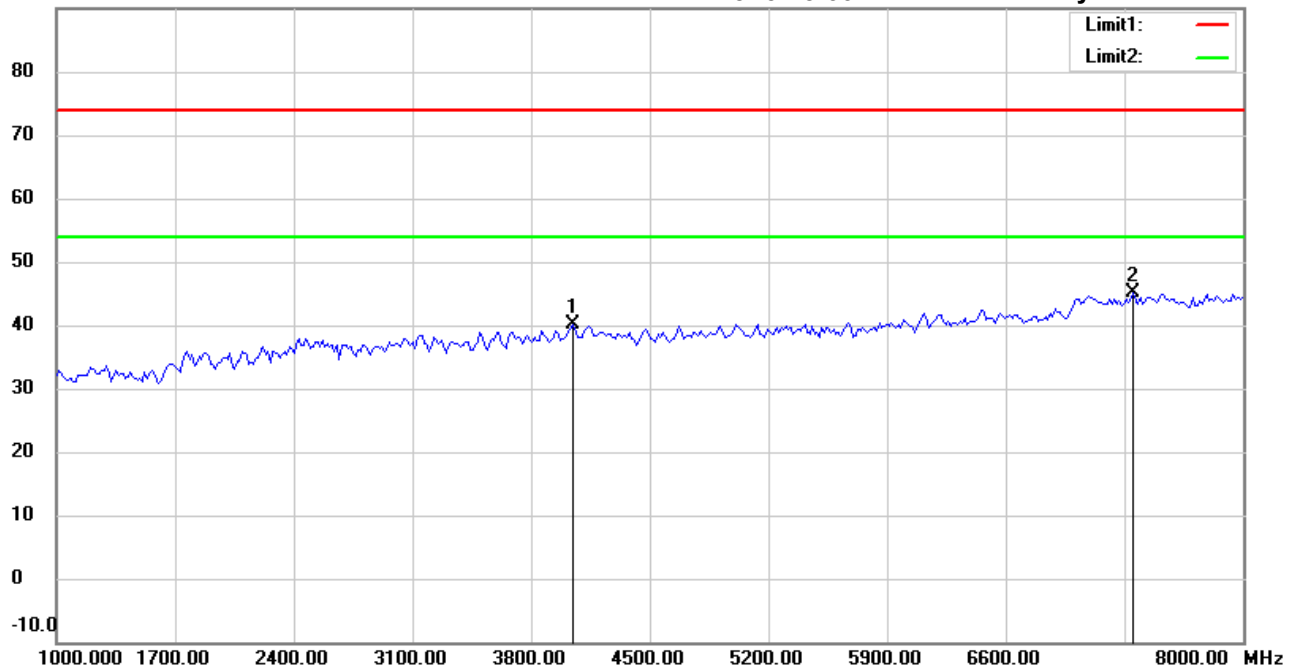
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 5:18:33 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: **Horizontal**

Power : 110 Va.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
	4044.088	42.41	peak	-2.24	40.17	74.00	150	0	-33.83	
*	7354.709	41.64	peak	3.59	45.23	74.00	150	215	-28.77	

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



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Radiated Emission Measurement

Operator: Allen

File : 3

Data : #5

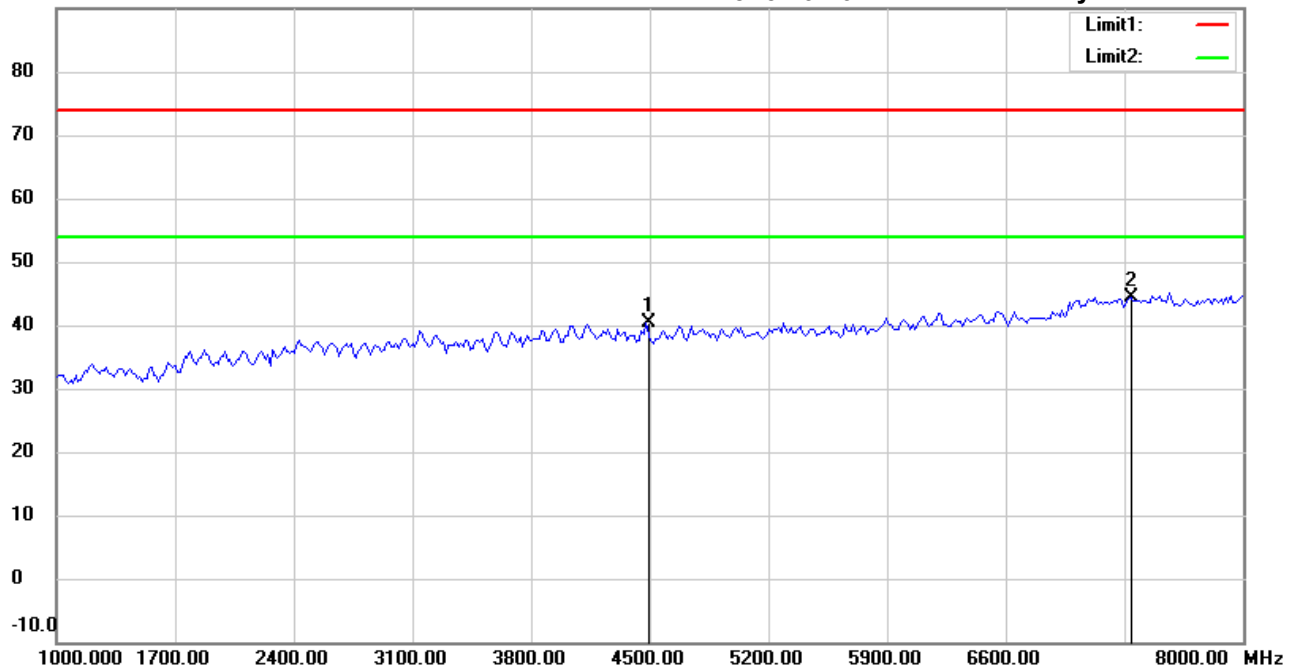
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 5:19:29 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: **Vertical**

Power : 110 Va.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
	4478.958	42.89	peak	-2.62	40.27	74.00	150	310	-33.73	
*	7340.681	40.96	peak	3.54	44.50	74.00	150	255	-29.50	

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



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Radiated Emission Measurement

Operator: Allen

File : 3

Data : #2

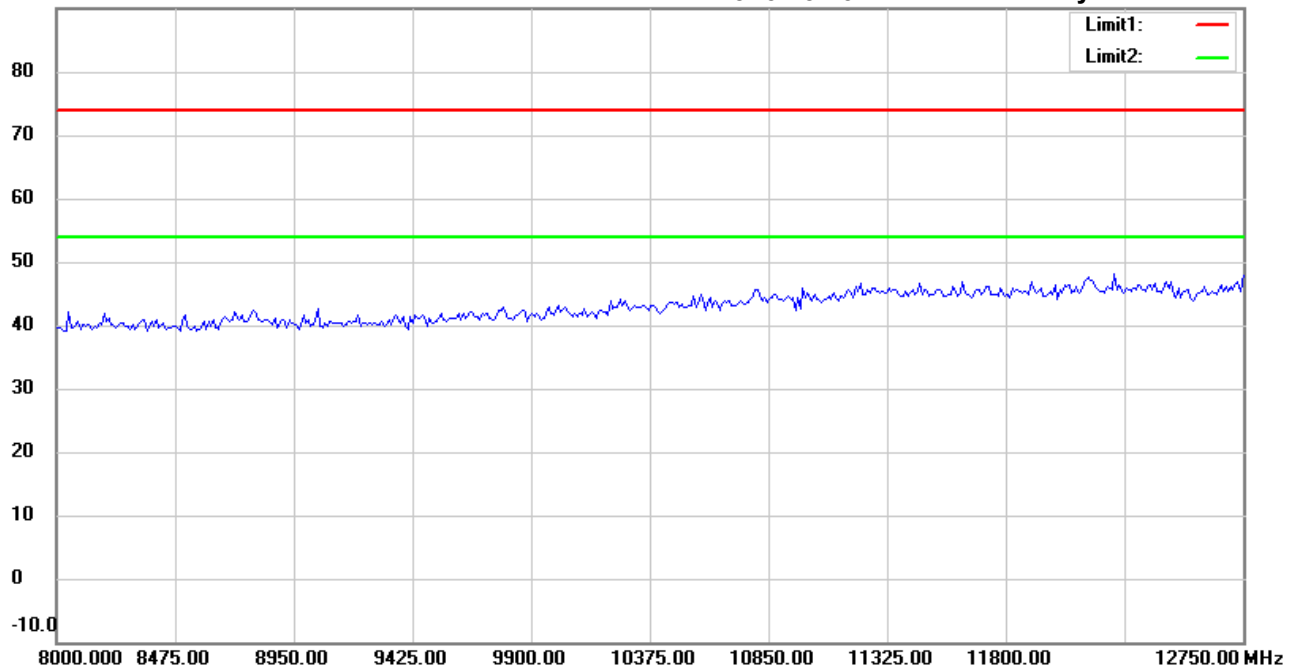
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 5:18:45 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: *Horizontal*

Power : 110 Va.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: Allen

File : 3

Data : #6

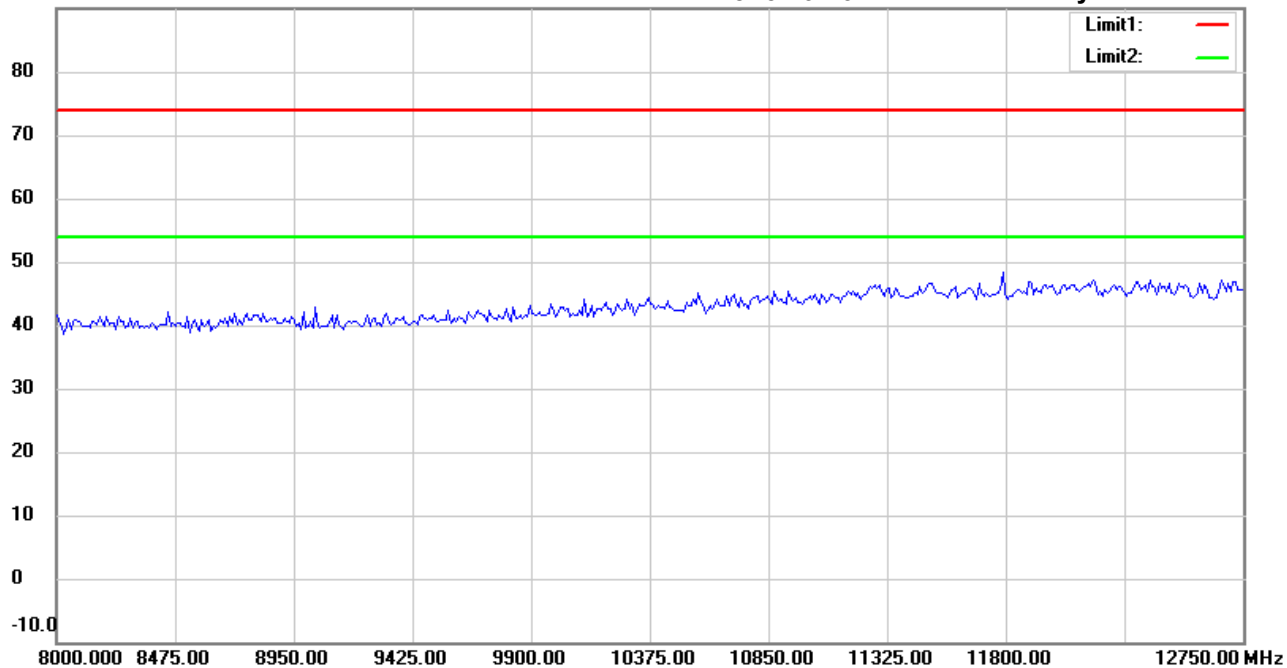
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 5:19:43 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: **Vertical**

Power : 110 Va.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: Allen

File : 3

Data : #3

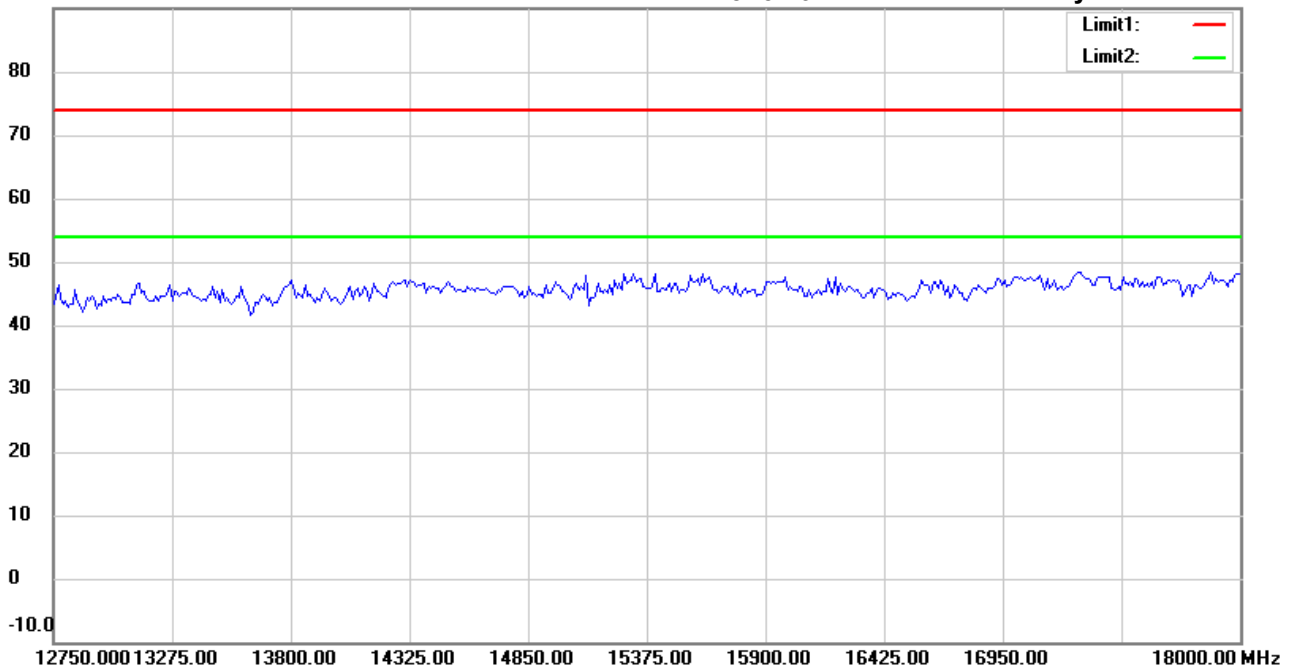
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 5:19:11 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: *Horizontal*

Power : 110 Va.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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Radiated Emission Measurement

Operator: Allen

File : 3

Data : #7

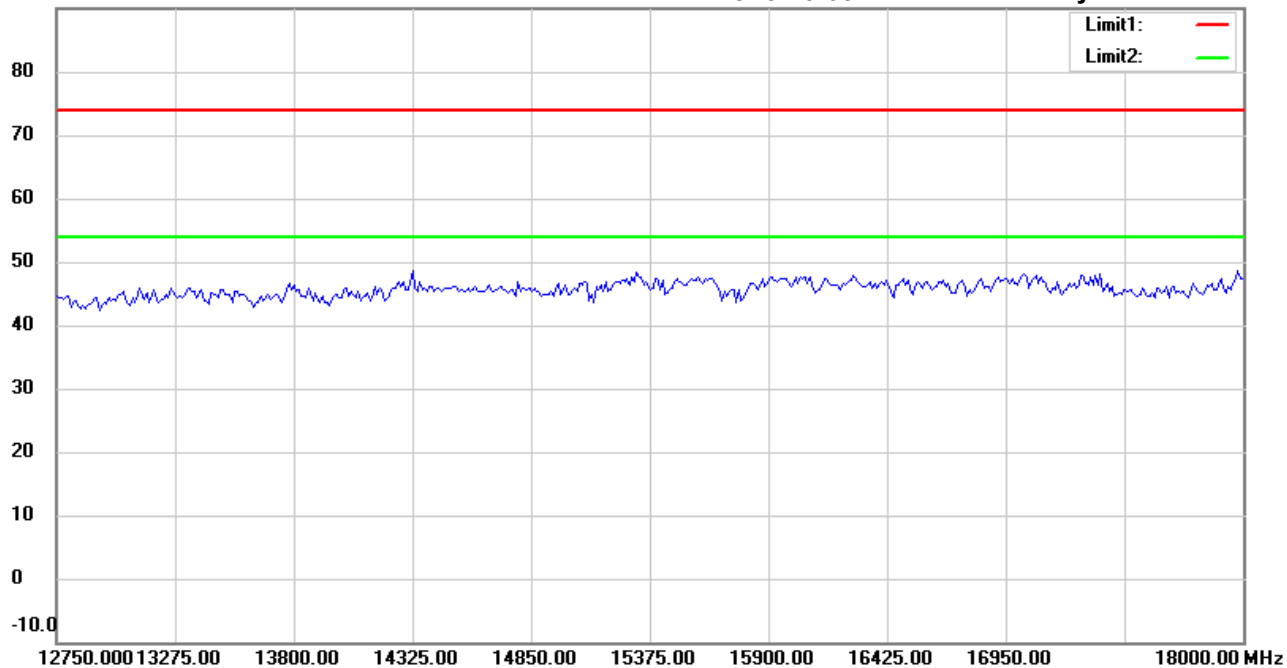
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 5:20:08 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: Vertical

Power : 110 Va.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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Radiated Emission Measurement

Operator: Allen

File : 3

Data : #4

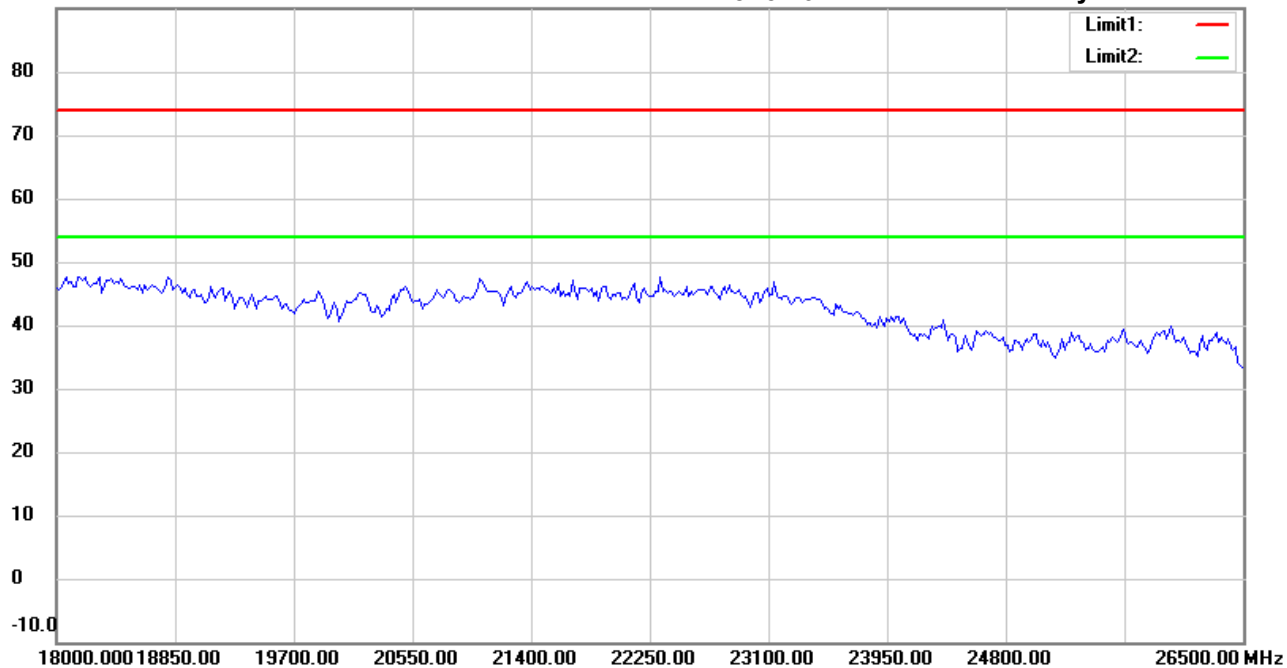
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 5:19:21 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: *Horizontal*

Power : 110 Va.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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Radiated Emission Measurement

Operator: Allen

File : 3

Data : #8

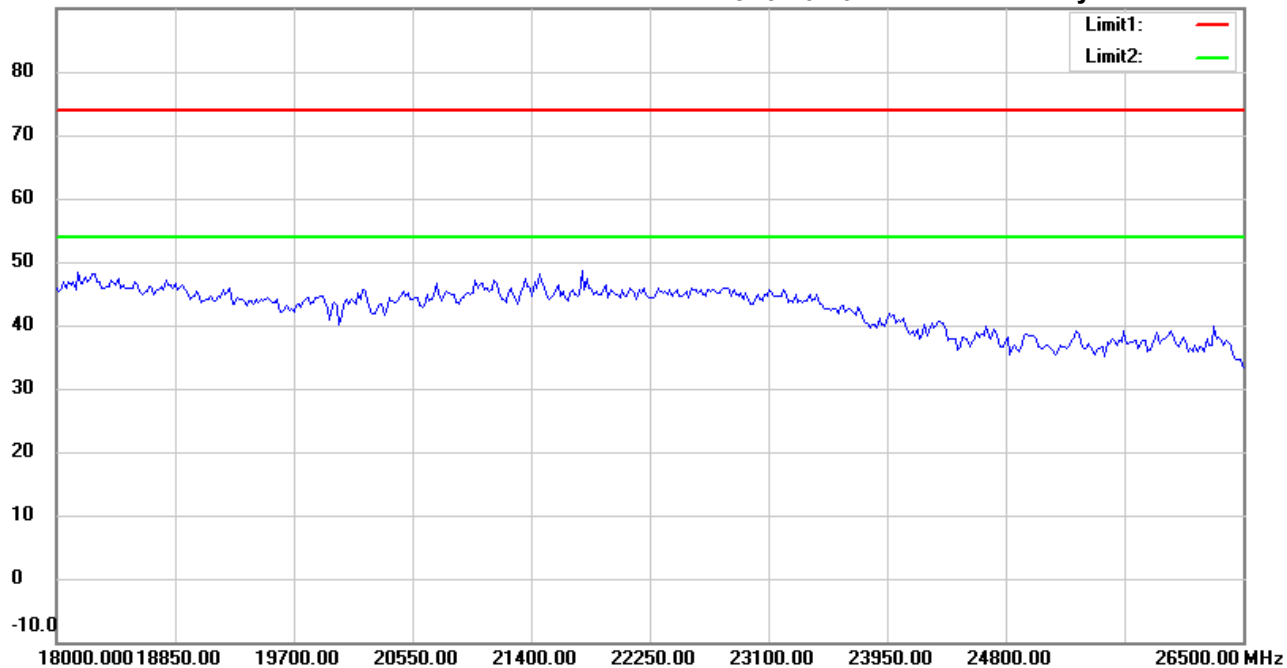
Date: 10/19/2019

Temperature: 22.0 °C

90.0 dBuV/m

Time: 5:20:19 AM

Humidity: 70.6 %



Site : Chamber

Condition : LP0002 3.10節 RE (2.4GHz)

EUT : W6M21910-19409

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: Vertical

Power : 110 Va.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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