

TEST REPORT

Reference No...... : WTX25X03049738W001
FCC ID..... : 2BF8S-150
Applicant..... : Glimpse LLC
Address..... : 101a Clay Street#144, San Francisco,CA 94111, United States Of America
Manufacturer..... : SHENZHEN CHUANGWEI ELECTRONIC APPLIANCE TECH CO., LTD
Address..... : 6/F, Overseas Factory, Skyworth Technology Industrial Park, Tangtou
Community, Shiyan Street, Bao'an District, Shenzhen, China
Product Name..... : 15.6 inch WiFi Digital Photo Frame,15.6 inch WiFi Digital Photo Calendar
Model No...... : 150-FRM
Standards..... : FCC Part 15.407
Date of Receipt sample..... : 2025-02-26
Date of Test..... : 2025-02-26 to 2025-02-26
Date of Issue..... : 2025-03-06
Test Report Form No...... : WTX_Part 15_407W
Test Result..... : **Pass**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of approver.

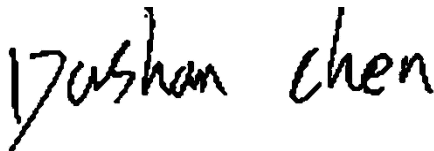
Prepared By:

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Tested by:



Dashan Chen/Project Engineer

Approved by:



Jason Su/Manager

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Report version

Version No.	Date of issue	Description
Rev.00	2025-03-06	Original
/	/	/

1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

General Description of EUT	
Product Name:	15.6 inch WiFi Digital Photo Frame, 15.6 inch WiFi Digital Photo Calendar
Trade Name:	Skylight
Model No.:	150-FRM
Adding Model(s):	150-CAL
Rated Voltage:	DC12V
Battery Capacity:	/
Power Adapter 1#:	MODEL: AP049U-12200 INPUT: AC100-240V ~ 50/60Hz 0.6A MAX OUTPUT: DC12V, 2.0A 24.0W
Power Adapter 2#:	MODEL: KA24D-1202000DE INPUT: AC100~240 50/60Hz 0.65A MAX OUTPUT: DC12V, 2.0A 24.0W
<i>Note: The test data is gathered from a production sample, provided by the manufacturer. The appearance of others models listed in the report is different from main-test model 150-FRM, but the circuit and the electronic construction do not change, declared by the manufacturer.</i>	

Technical Characteristics of EUT	
Support Standards:	802.11a, 802.11n(HT20) , 802.11n-HT40, 802.11ac-VHT20, 802.11ac-VHT40, 802.11ac-VHT80
Frequency Range:	5150-5250MHz, 5250-5350MHz, 5470-5725MHz, 5725-5850MHz
RF Output Power:	11.29dBm (Conducted)
Type of Modulation:	BPSK, QPSK, 16QAM, 64QAM, 256QAM
Type of Antenna:	FPC Antenna
Antenna Gain:	4.6dBi
<i>Note The Antenna Gain is provided by the customer and can affect the validity of results.</i>	

1.2 Test Standards

The tests were performed according to following standards:

FCC Rules Part 15.407: General technical requirements.

ANSI C63.10-2013: American National Standard for Testing Unlicensed Wireless Devices.

KDB789033 D02 v02r01: Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-Nii) Devices Part 15, Subparte.

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product, which result in lowering the emission, should be checked to ensure compliance has been maintained.

1.3 Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, KDB789033 D02 v02r01. The equipment under test (EUT) was configured to measure its highest possible emission level. The test modes were adapted accordingly in reference to the Operating Instructions.

1.4 Table for parameters of Test Software setting

Enter “3646631+=” into the calculator to enter the engineer mode, you can start to test. During testing, Channel and Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

Mode	Test Frequency (MHz)												
	NCB: 20MHz												
	5180	5200	5240	5260	5300	5320	5500	5600	5700	5720	5745	5785	5825
802.11a 6Mbps	65	65	65	65	65	65	65	65	65	/	65	65	65
802.11n-HT20 MCS0	65	65	65	65	65	65	65	65	65	/	65	65	65
Mode	NCB: 40MHz												
	5190	5230	5270	5310	5510	5590	5670	5710	5755	5795			
802.11n-HT40 MCS0	65	65	65	65	65	65	65	65	/	65	65		
Mode	NCB: 80MHz												
	5210		5290		5530		5610		5690		5775		
802.11ac-VH80 MCS0/Nss2	65		65		65		65		/		65		

1.5 EUT Operating during test

EUT was programmed to be in continuously transmitting mode. During the test, EUT operation to normal function and programs under Android were executed.

1.6 Test Facility

Address of the test laboratory

Laboratory: Waltek Testing Group (Shenzhen) Co., Ltd.

Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road, Block 70 Bao'an District, Shenzhen, Guangdong, China

FCC – Registration No.: 125990

Waltek Testing Group (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. The Designation Number is CN5010, and Test Firm Registration Number is 125990.

Industry Canada (IC) Registration No.: 11464A

The 3m Semi-anechoic chamber of Waltek Testing Group (Shenzhen) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A and the CAB identifier is CN0057.

1.7 EUT Setup and Test Mode

The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements. All testing shall be performed under maximum output power condition, with a duty cycle equal to 100%, and to measure its highest possible emissions level, more detailed description as follows:

Test Mode List		
Test Mode	Description	Remark
TM1	802.11a	5180MHz,5200MHz,5240MHz,5260MHz,5280MHz,5320MHz,5500MHz,5600MHz,5700MHz,5745MHz, 5785MHz,5825MHz
TM2	802.11n-HT20	5180MHz,5200MHz,5240MHz,5260MHz,5280MHz,5320MHz,5500MHz,5600MHz,5700MHz,5745MHz, 5785MHz,5825MHz
TM3	802.11n-HT40	5190MHz,5230MHz,5270MHz,5310MHz,5510MHz,5590MHz,5670MHz,5755MHz,5795MHz
TM4	802.11ac-VH80	5210MHz,5290MHz,5530MHz,5610MHz,5775MHz
Note: 802.11ac-VHT20, 802.11ac-VHT40 covered by 802.11n-HT20 and 802.11n-HT40.		

Test Conditions	
Temperature:	22~25 °C
Relative Humidity:	45~55 %.
ATM Pressure:	1019 mbar

EUT Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
DC CABLE	1.8	Unshielded	Without Ferrite

Special Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
/	/	/	/

Auxiliary Equipment List and Details			
Description	Manufacturer	Model	Serial Number
/	/	/	/

1.8 Measurement Uncertainty

Measurement uncertainty		
Parameter	Conditions	Uncertainty
RF Output Power	Conducted	$\pm 0.42\text{dB}$
Occupied Bandwidth	Conducted	$\pm 1.5\%$
Power Spectral Density	Conducted	$\pm 1.8\text{dB}$
Conducted Spurious Emission	Conducted	$\pm 2.17\text{dB}$
Conducted Emissions	Conducted	9-150kHz $\pm 3.74\text{dB}$
		0.15-30MHz $\pm 3.34\text{dB}$
Transmitter Spurious Emissions	Radiated	30-200MHz $\pm 4.52\text{dB}$
		0.2-1GHz $\pm 5.56\text{dB}$
		1-6GHz $\pm 3.84\text{dB}$
		6-18GHz $\pm 3.92\text{dB}$

1.9 Test Equipment List and Details

Fixed asset Number	Description	Manufacturer	Model	Serial No.	Cal Date	Due. Date
WTXE1041A 1001	Communication Tester	Rohde & Schwarz	CMW500	148650	2025-02-23	2026-02-22
WTXE1005A 1005	Spectrum Analyzer	Agilent	N9020A	US471401 02	2025-02-23	2026-02-22
WTXE1084A 1001	Spectrum Analyzer	Agilent	N9020A	MY543205 48	2025-02-23	2026-02-22
WTXE1004A 1-001	Spectrum Analyzer	Rohde & Schwarz	FSP40	100612	2025-02-23	2026-02-22
WTXE1103A 1003	Attenuator	Pasternack	PE4007-4	/	2025-02-23	2026-02-22
WTXE1003A 1-005	Coaxial Cable	/	0M4RFC	/	2025-02-23	2026-02-22
☐ Chamber A: Below 1GHz						
WTXE1005A 1003	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/03 5	2025-02-23	2026-02-22
WTXE1001A 1001	EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2025-02-23	2026-02-22
WTXE1007A 1001	Amplifier	HP	8447F	2805A034 75	2025-02-23	2026-02-22
WTXE1010A 1007	Loop Antenna	Schwarz beck	FMZB 1516	9773	2024-02-26	2026-02-25
WTXE1010A 1006	Broadband Antenna	Schwarz beck	VULB9163	9163-333	2025-02-23	2026-02-22
WTXE1104A 1032-1	Coaxial Cable	/	RC_6G-N-M	/	2025-02-23	2026-02-22
WTXE1104A 1032-2	Coaxial Cable	/	RC_6G-N-M	/	2025-02-23	2026-02-22
WTXE1104A 1032-3	Coaxial Cable	/	RC_6G-N-M	/	2025-02-23	2026-02-22
☐ Chamber A: Above 1GHz						
WTXE1005A 1003	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/03 5	2025-02-23	2026-02-22
WTXE1001A 1001	EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2025-02-23	2026-02-22
WTXE1065A 1001	Amplifier	C&D	PAP-1G18	2002	2025-02-23	2026-02-22
WTXE1010A 1005	Horn Antenna	ETS	3117	00086197	2025-02-23	2026-02-22

WTXE1010A 1010	DRG Horn Antenna	A.H. SYSTEMS	SAS-574	571	2024-03-17	2026-03-16
WTXE1003A 1001	Pre-amplifier	Schwarzbeck	BBV 9721	9721-031	2025-02-23	2026-02-22
WTXE1104A 1033-1	Coaxial Cable	/	C16-07-07	/	2025-02-23	2026-02-22
WTXE1104A 1033-2	Coaxial Cable	/	C16-07-07	/	2025-02-23	2026-02-22
WTXE1104A 1033-3	Coaxial Cable	/	C16-07-07	/	2025-02-23	2026-02-22
☐ Chamber B:Below 1GHz						
WTXE1010A 1006	Trilog Broadband Antenna	Schwarz beck	VULB9163(B)	9163-635	2024-03-17	2027-03-16
WTXE1038A 1001	Amplifier	Agilent	8447D	2944A104 57	2025-02-23	2026-02-22
WTXE1001A 1002	EMI Test Receiver	Rohde & Schwarz	ESPI	101391	2025-02-23	2026-02-22
WTXE1104A 1031-1	Coaxial Cable	/	1.5MRFC-LWB3	/	2025-02-23	2026-02-22
WTXE1104A 1031-2	Coaxial Cable	/	RG 316	/	2025-02-23	2026-02-22
WTXE1104A 1031-3	Coaxial Cable	/	RG 316	/	2025-02-23	2026-02-22
☒ Chamber C:Below 1GHz						
WTXE1093A 1001	EMI Test Receiver	Rohde & Schwarz	ESIB 26	100401	2025-02-23	2026-02-22
WTXE1010A 1013-1	Trilog Broadband Antenna	Schwarz beck	VULB 9168	1194	2024-04-18	2027-04-17
WTXE1010A 1007	Loop Antenna	Schwarz beck	FMZB 1516	9773	2024-02-26	2026-02-25
WTXE1007A 1002	Amplifier	HP	8447F	2944A038 69	2025-02-23	2026-02-22
WTXE1104A 1034-1	Coaxial Cable	/	RC_6G-N-M	/	2025-02-23	2026-02-22
WTXE1104A 1034-2	Coaxial Cable	/	RC_6G-N-M	/	2025-02-23	2026-02-22
WTXE1104A 1034-3	Coaxial Cable	/	RC_6G-N-M	/	2025-02-23	2026-02-22
☒ Chamber C: Above 1GHz						
WTXE1093A	EMI Test	Rohde &	ESIB 26	100401	2025-02-23	2026-02-22

1001	Receiver	Schwarz				
WTXE1103A 1005	Horn Antenna	POAM	RTF-118A	1820	2023-03-10	2026-03-09
WTXE1103A 1006	Amplifier	Tonscend	TAP01018050	AP22E806 235	2025-02-23	2026-02-22
WTXE1010A 1010	DRG Horn Antenna	A.H. SYSTEMS	SAS-574	571	2024-03-17	2026-03-16
WTXE1003A 1001	Pre-amplifier	Schwarzbeck	BBV 9721	9721-031	2025-02-23	2026-02-22
WTXE1104A 1035-1	Coaxial Cable	/	RC-18G-N-M	/	2025-02-23	2026-02-22
WTXE1104A 1035-2	Coaxial Cable	/	RC-18G-N-M	/	2025-02-23	2026-02-22
WTXE1104A 1035-3	Coaxial Cable	/	RC-18G-N-M	/	2025-02-23	2026-02-22
☐ Conducted Room 1#						
WTXE1104A 1029	EMI Test Receiver	Rohde & Schwarz	ESCI	100525	2024-12-08	2025-12-07
WTXE1002A 1001	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2025-02-23	2026-02-22
WTXE1003A 1001	AC LISN	Schwarz beck	NSLK8126	8126-279	2025-02-23	2026-02-22
WTXE1104A 1036	Coaxial Cable	/	RG 316	/	2025-02-23	2026-02-22
WTXE1104A 1038	Coaxial Cable	/	6MRFC-DP	/	2025-02-23	2026-02-22
☒ Conducted Room 2#						
WTXE1001A 1004	EMI Test Receiver	Rohde & Schwarz	ESPI	101259	2025-02-23	2026-02-22
WTXE1003A 1003	LISN	Rohde & Schwarz	ENV 216	100097	2025-02-23	2026-02-22
WTXE1104A 1037	Coaxial Cable	/	RG 316	/	2025-02-23	2026-02-22

Software List			
Description	Manufacturer	Model	Version
EMI Test Software (Radiated Emission A)	Farad	EZ-EMC	RA-03A1 (1.1.4.2)
EMI Test Software (Radiated Emission B)	Farad	EZ-EMC	RA-03A1 (1.1.4.2)
EMI Test Software (Radiated Emission C)	Farad	EZ-EMC	RA-03A1-2 (1.1.4.2)
EMI Test Software (Conducted Emission Room 1#)	Farad	EZ-EMC	3A1*CE-RE 1.1.4.3
EMI Test Software (Conducted Emission Room 2#)	Farad	EZ-EMC	3A1*CE-RE 1.1.4.3

*Remark: indicates software version used in the compliance certification testing.

2. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test Item	Result
§15.203; §15.405	Antenna Requirement	Compliant
15.407 (c)	Automatically Discontinue Transmission	Compliant
§15.207; §15.407(b)(6)	Conducted Emission	Compliant
§15.407(a)(1),(2)	Power Spectral Density	N/A
§15.407(e)	Emission Bandwidth and Occupied Bandwidth	N/A
§15.407(a)(1),(2)	Maximum Conducted Output Power	N/A
§15.407(b)(1),(2),(3),(4)	Undesirable emission	N/A
§15.205; §15.407(b)(1),(2),(3)	Radiated Emission	Compliant
§15.407(g)	Frequency Stability	N/A
§15.407(h)	Dynamic Frequency Selection (DFS)	N/A

Class II Permissive Change: Added the Power Adapter

Note: Report is for Class II Permissive Change only. Updated test data include Antenna Requirement, Automatically Discontinue Transmission, Conducted Emission and Radiated Emission. Other test data refer to the original report WTX24X04085494W001, The original FCC issue date: 05/13/2024.

3. Antenna Requirement

3.1 Standard Applicable

According to FCC Part 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

3.2 Evaluation Information

This product has an FPC antenna, fulfill the requirement of this section.

4. Automatically Discontinue Transmission

4.1 Standard Applicable

According to FCC Part 15.407(c), the device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

4.2 Summary of Test Results

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

5. Radiated Spurious Emissions

5.1 Standard Applicable

According to §15.407(b), undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15-5.25GHz band: All emissions outside of the 5.15-5.35GHz band shall not exceed an e.i.r.p. of -27dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35GHz band: All emissions outside of the 5.15-5.35GHz band shall not exceed an e.i.r.p. of -27dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725GHz band: All emissions outside of the 5.47-5.725GHz band shall not exceed an e.i.r.p. of -27dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85GHz band:
 - (i) All emissions shall be limited to a level of -27dBm/MHz at 75MHz or more above or below the band edge increasing linearly to 10dBm/MHz at 25MHz above or below the band edge, and from 25MHz above or below the band edge increasing linearly to a level of 15.6dBm/MHz at 5MHz above or below the band edge, and from 5MHz above or below the band edge increasing linearly to a level of 27dBm/MHz at the band edge.

According to §15.407(b)(6), Unwanted emissions below 1GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.

According to §15.407(b)(7), The provisions of §15.205 apply to intentional radiators operating under this section.

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If radiated measurements are performed, field strength is then converted to EIRP as follows:

$$\text{EIRP} = ((E \cdot d)^2) / 30$$

where:

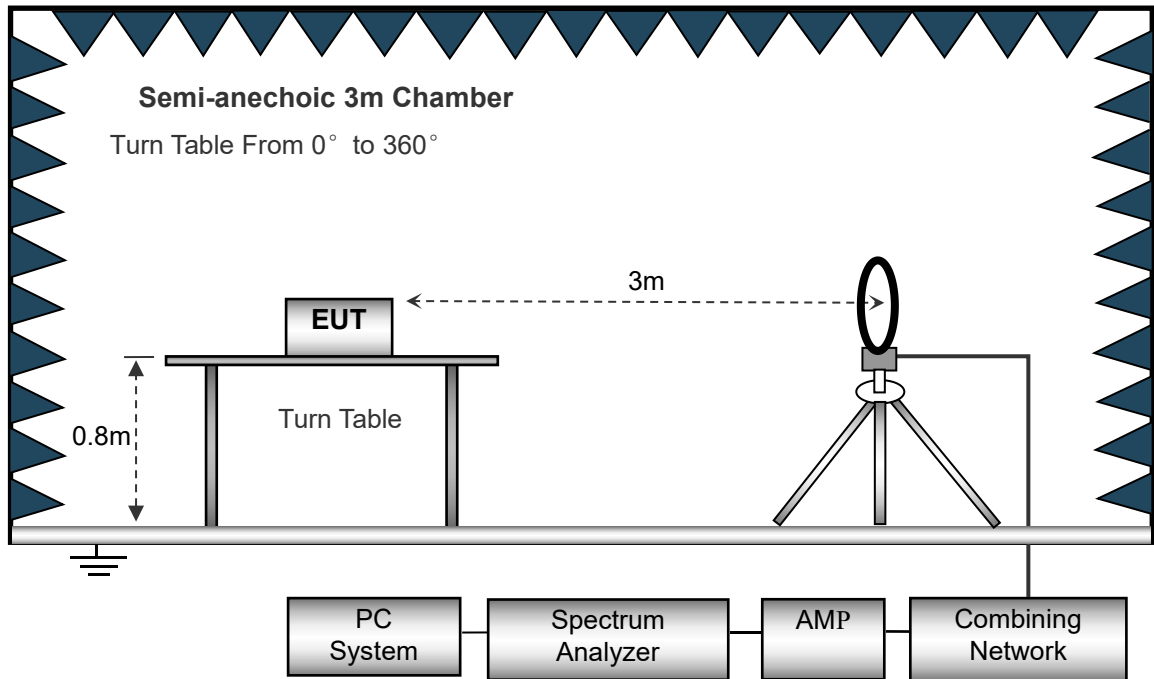
- E is the field strength in V/m;
- d is the measurement distance in meters;
- EIRP is the equivalent isotropically radiated power in watts.

5.2 Test Procedure

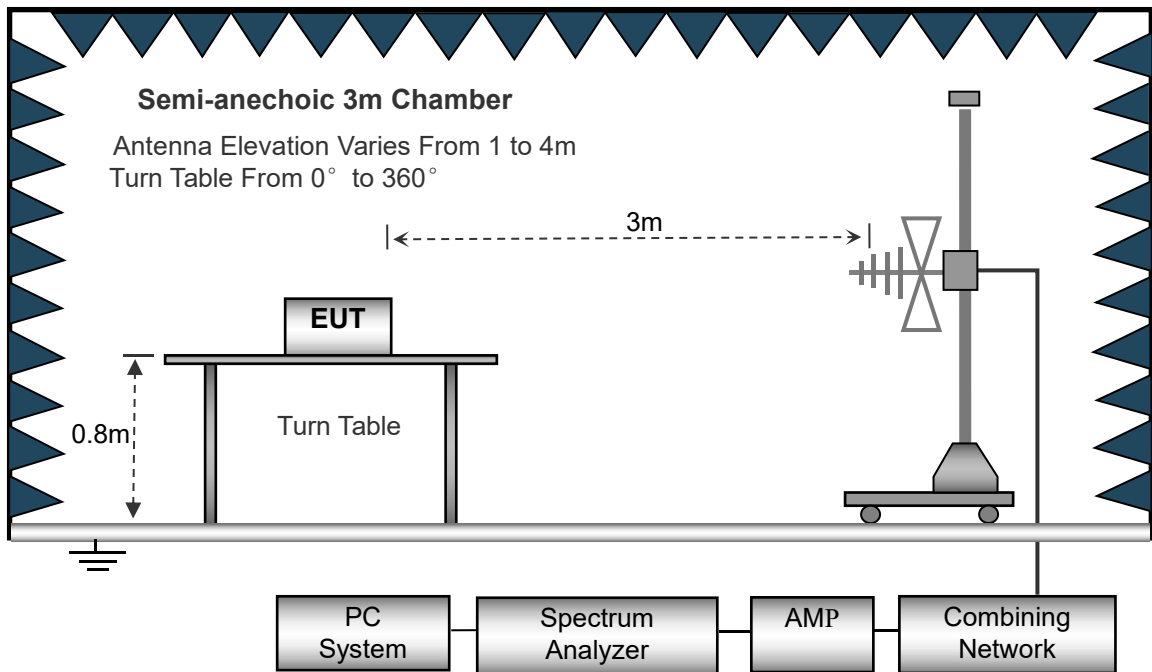
The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.205 15.407(b)(6) and FCC Part 15.209 Limit..

The external I/O cables were draped along the test table and formed a bundle 30 to 40cm long in the middle. The spacing between the peripherals was 10cm.

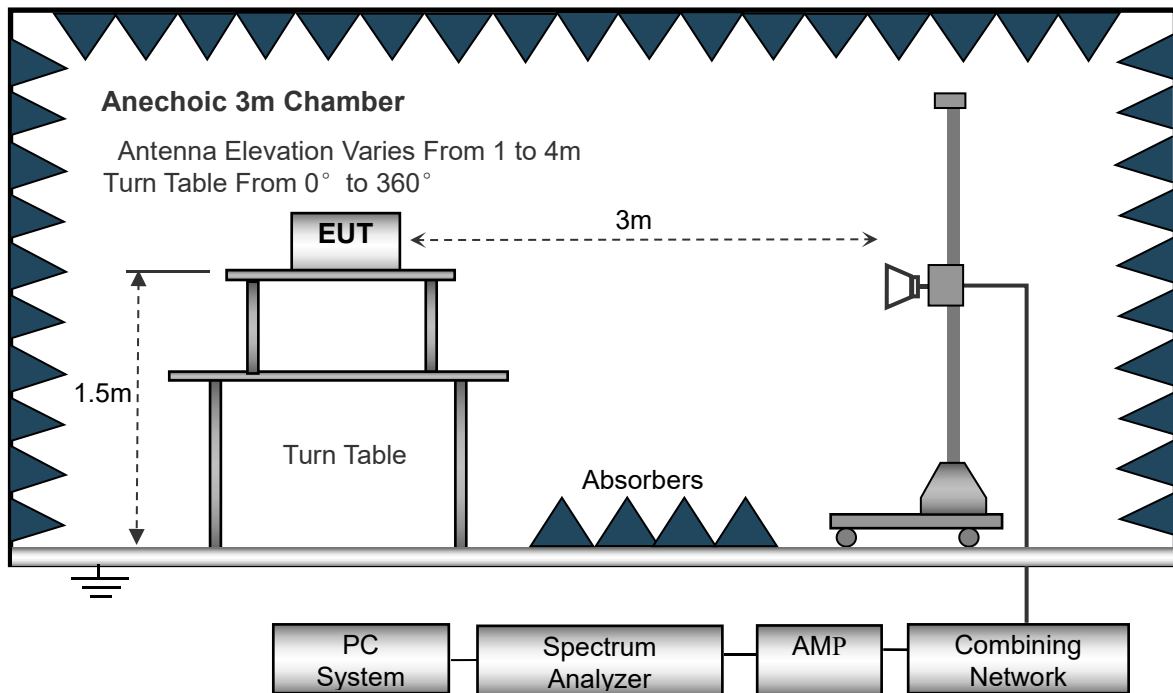
The test setup for emission measurement below 30MHz.



The test setup for emission measurement from 30MHz to 1GHz.



The test setup for emission measurement above 1GHz.



5.3 Test Receiver Setup

During the radiated emission test for above 1GHz, the test receiver was set with the following configurations:

For peak detector:

RBW = 1000kHz, VBW = 3000kHz, Sweep Time = Auto

For average detector:

RBW = 1000kHz, VBW = 10Hz, Sweep Time = Auto

5.4 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated adding the Antenna Factor and the Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

$$\text{Corr. Ampl.} = \text{Indicated Reading} + \text{Ant. Factor} + \text{Cable Loss} - \text{Ampl. Gain}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -6dB μ V means the emission is 6dB μ V below the maximum limit for Class B. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Corr. Ampl.} - \text{FCC Part 15 Limit}$$

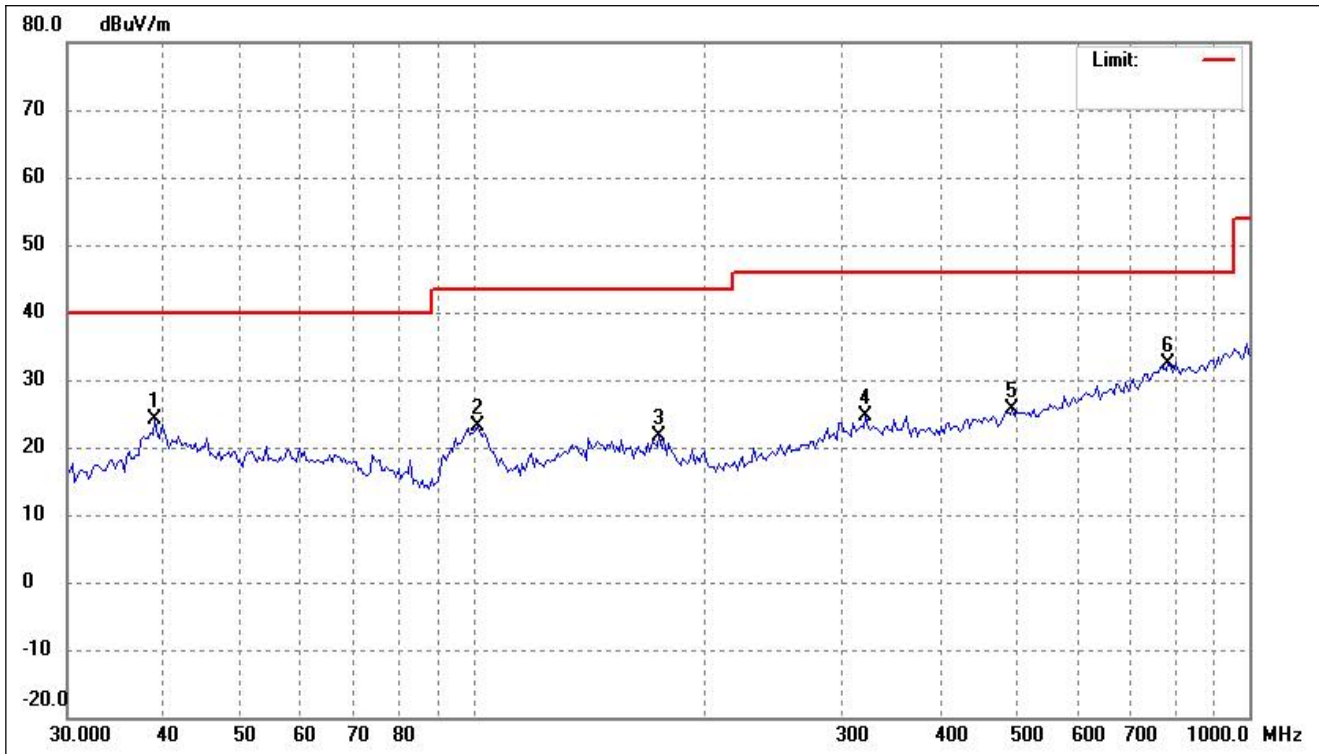
5.5 Summary of Test Results/Plots

Note: this EUT was tested in 3 orthogonal positions and the worst case position data was reported.

- Spurious Emission From 30MHz to 1GHz
- 5150-5250MHz

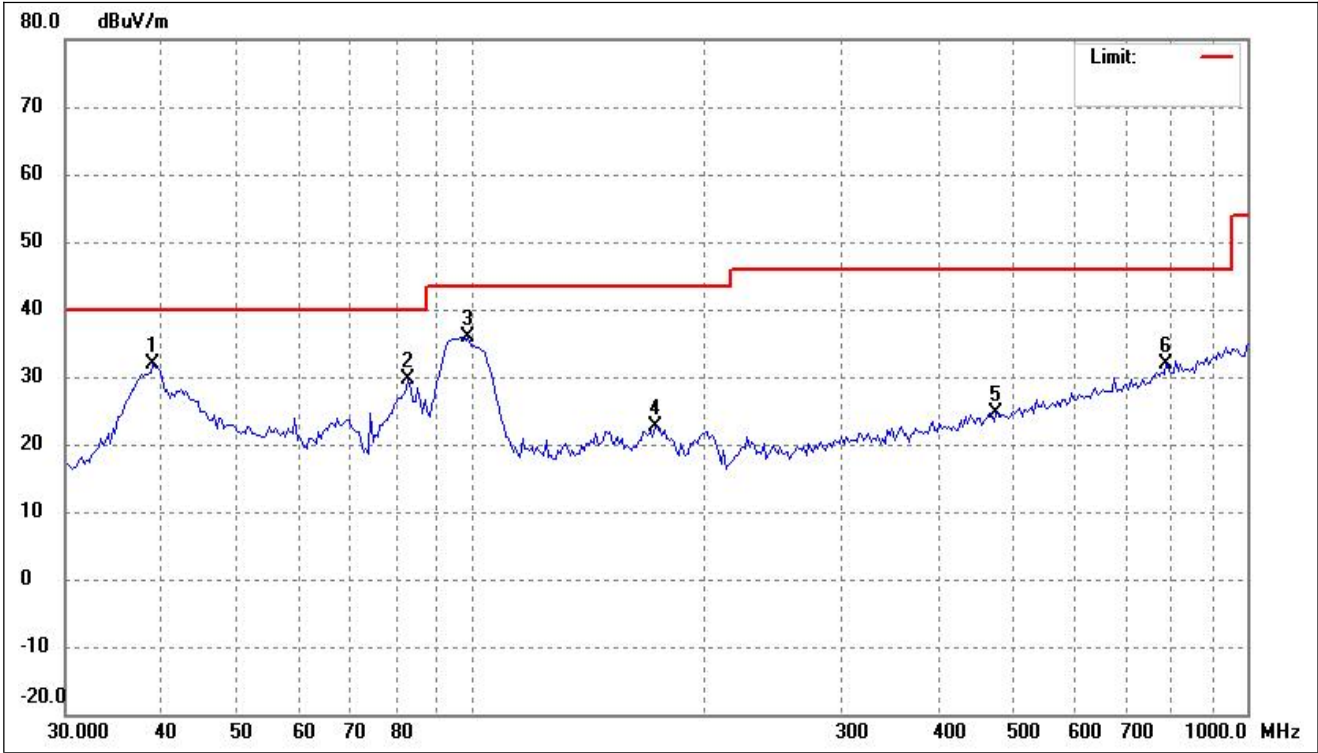
802.11a(Worst case)

Test Channel	5180MHz	Polarity:	Horizontal
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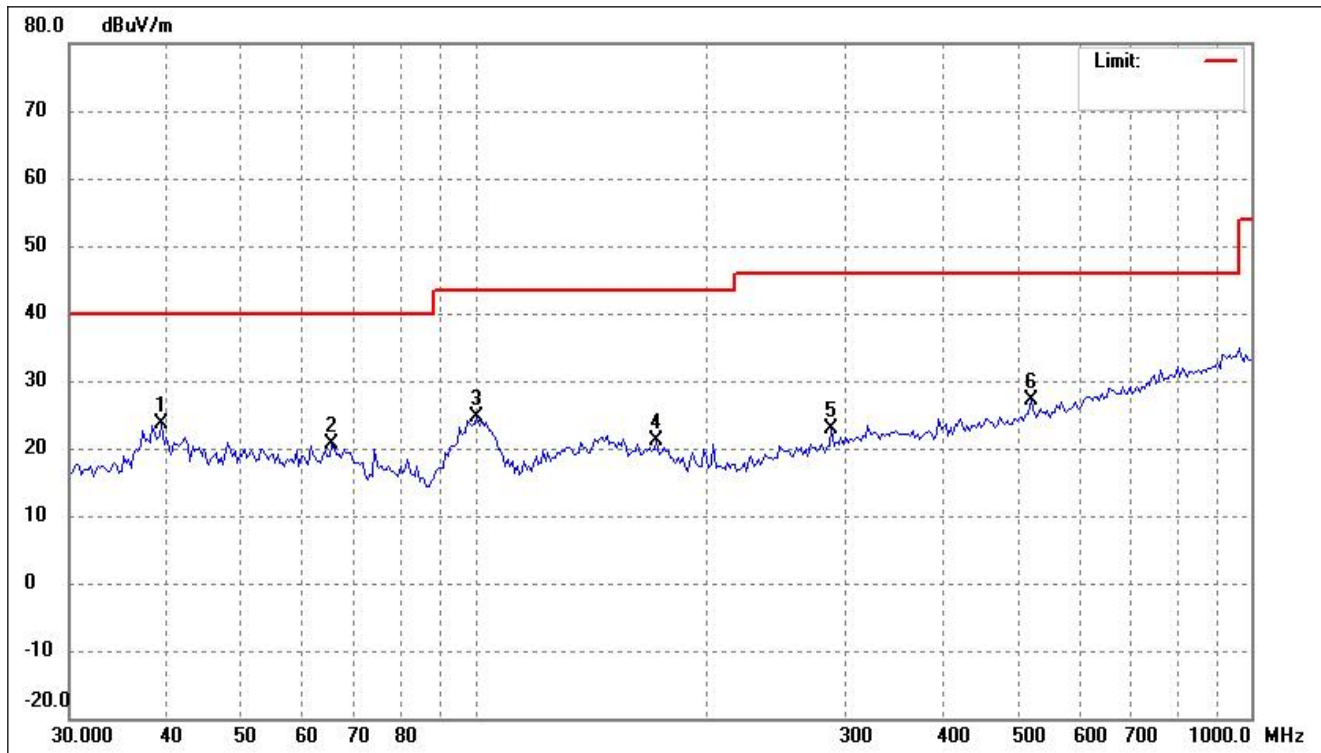
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	38.9081	32.37	-8.19	24.18	40.00	-15.82	-	-	peak
2	101.1797	35.11	-11.88	23.23	43.50	-20.27	-	-	peak
3	173.8147	30.60	-8.85	21.75	43.50	-21.75	-	-	peak
4	320.3306	32.14	-7.42	24.72	46.00	-21.28	-	-	peak
5	495.2379	30.46	-4.85	25.61	46.00	-20.39	-	-	peak
6	787.4749	31.69	0.80	32.49	46.00	-13.51	-	-	peak

802.11a(Worst case)			
Test Channel	5180MHz	Polarity:	Vertical



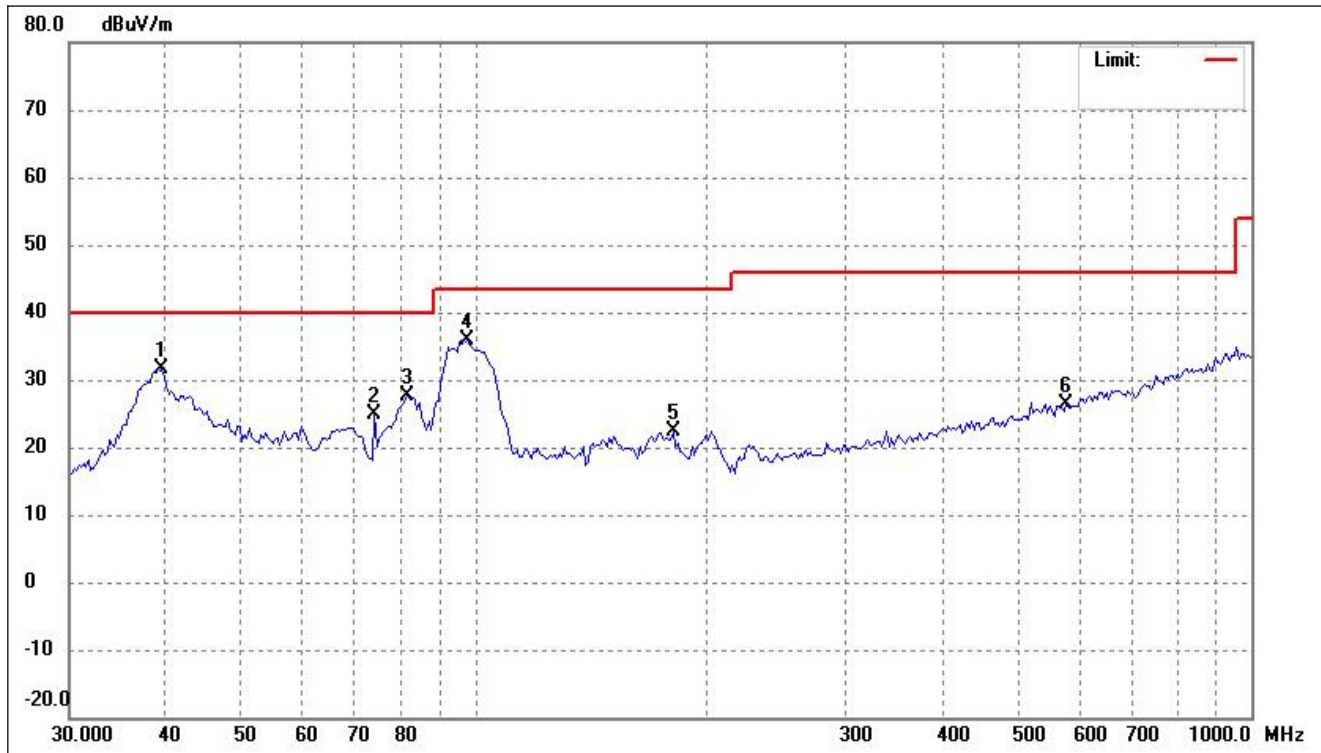
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	38.9081	40.19	-8.19	32.00	40.00	-8.00	-	-	peak
2	83.1077	42.12	-12.49	29.63	40.00	-10.37	-	-	peak
3	99.0690	47.89	-12.04	35.85	43.50	-7.65	-	-	peak
4	172.5976	31.38	-8.68	22.70	43.50	-20.80	-	-	peak
5	474.7913	29.58	-4.99	24.59	46.00	-21.41	-	-	peak
6	787.4749	31.07	0.80	31.87	46.00	-14.13	-	-	peak

802.11a(Worst case)			
Test Channel	5200MHz	Polarity:	Horizontal



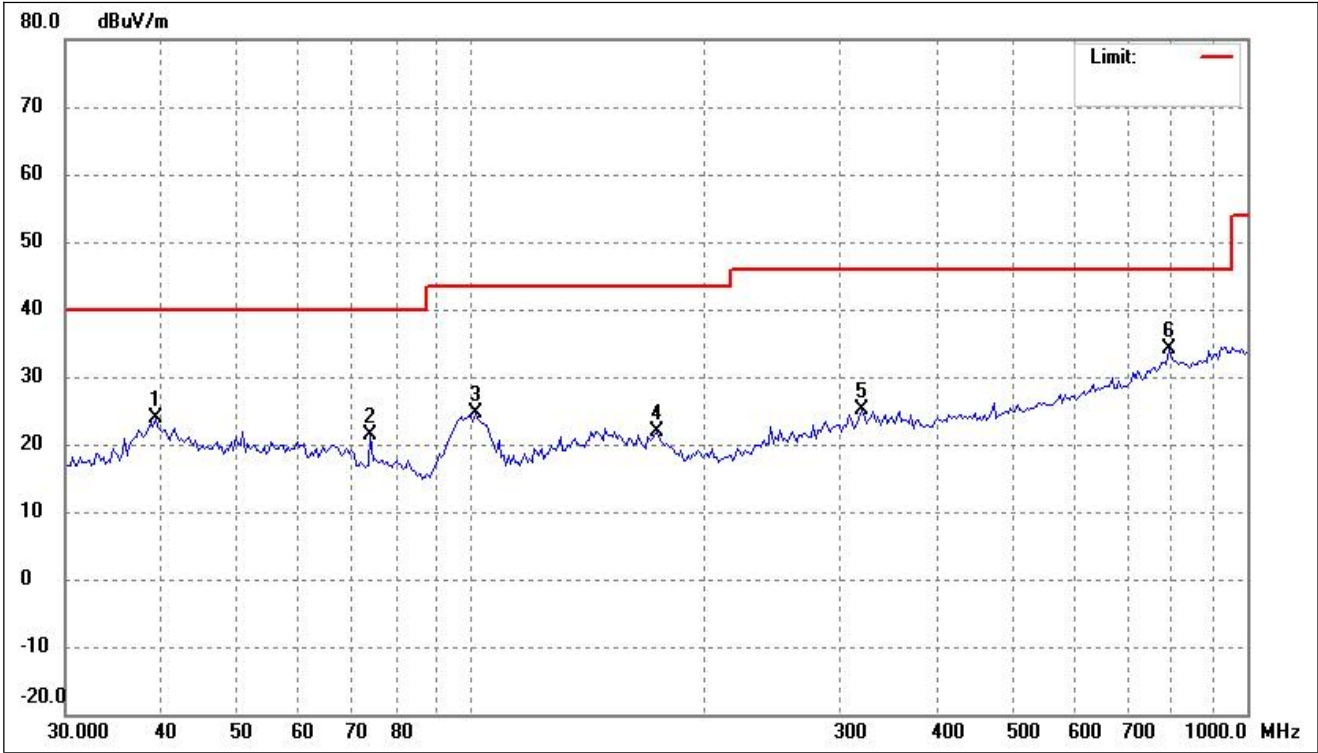
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	39.4588	31.62	-8.07	23.55	40.00	-16.45	-	-	peak
2	65.4452	30.10	-9.42	20.68	40.00	-19.32	-	-	peak
3	100.4712	36.61	-11.95	24.66	43.50	-18.84	-	-	peak
4	171.3890	29.55	-8.51	21.04	43.50	-22.46	-	-	peak
5	288.2840	31.05	-8.23	22.82	46.00	-23.18	-	-	peak
6	520.2079	31.64	-4.41	27.23	46.00	-18.77	-	-	peak

802.11a(Worst case)			
Test Channel	5200MHz	Polarity:	Vertical



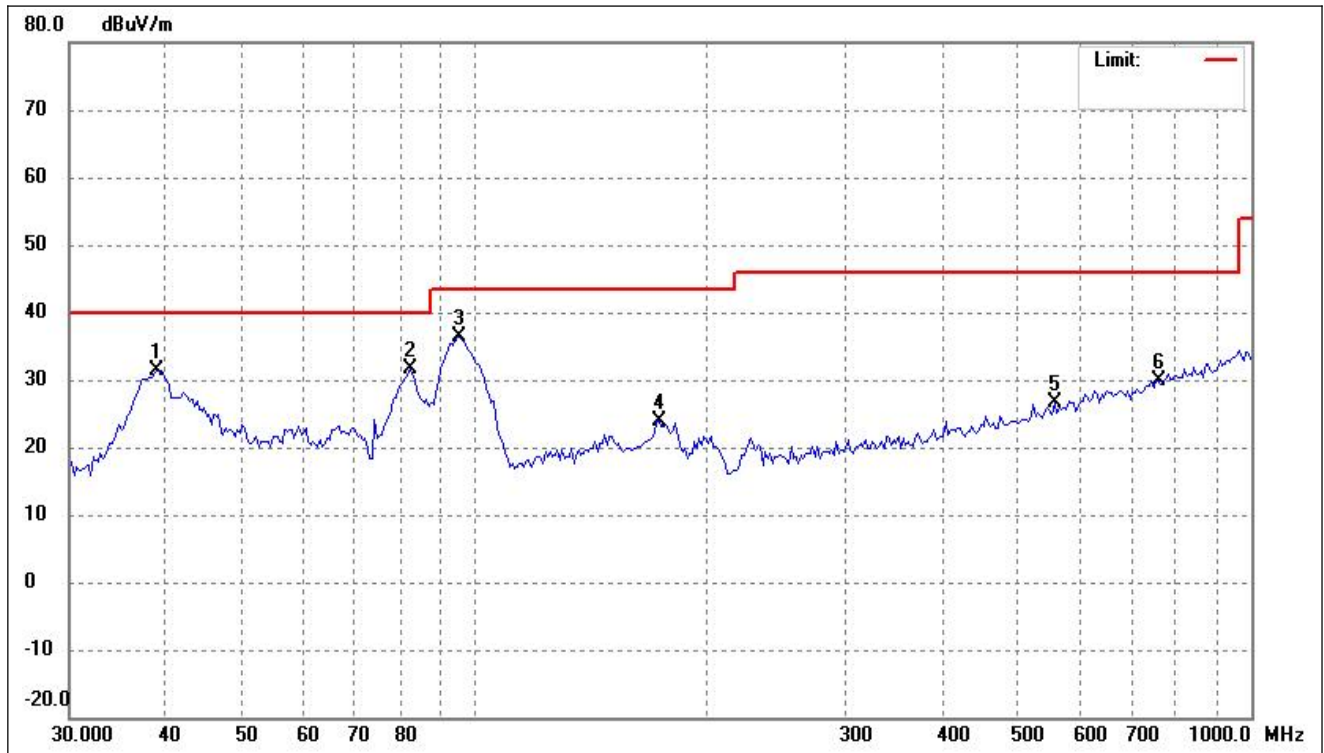
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	39.4588	39.69	-8.07	31.62	40.00	-8.38	-	-	peak
2	74.2696	36.04	-11.18	24.86	40.00	-15.14	-	-	peak
3	81.9478	40.17	-12.47	27.70	40.00	-12.30	-	-	peak
4	97.6864	48.13	-12.14	35.99	43.50	-7.51	-	-	peak
5	180.0304	32.20	-9.74	22.46	43.50	-21.04	-	-	peak
6	578.0359	29.20	-2.78	26.42	46.00	-19.58	-	-	peak

802.11a(Worst case)			
Test Channel	5240MHz	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	39.1825	31.91	-8.12	23.79	40.00	-16.21	-	-	peak
2	74.2696	32.46	-11.18	21.28	40.00	-18.72	-	-	peak
3	101.1797	36.41	-11.88	24.53	43.50	-18.97	-	-	peak
4	173.8147	30.71	-8.85	21.86	43.50	-21.64	-	-	peak
5	318.0875	32.57	-7.47	25.10	46.00	-20.90	-	-	peak
6	793.0281	33.14	0.88	34.02	46.00	-11.98	-	-	peak

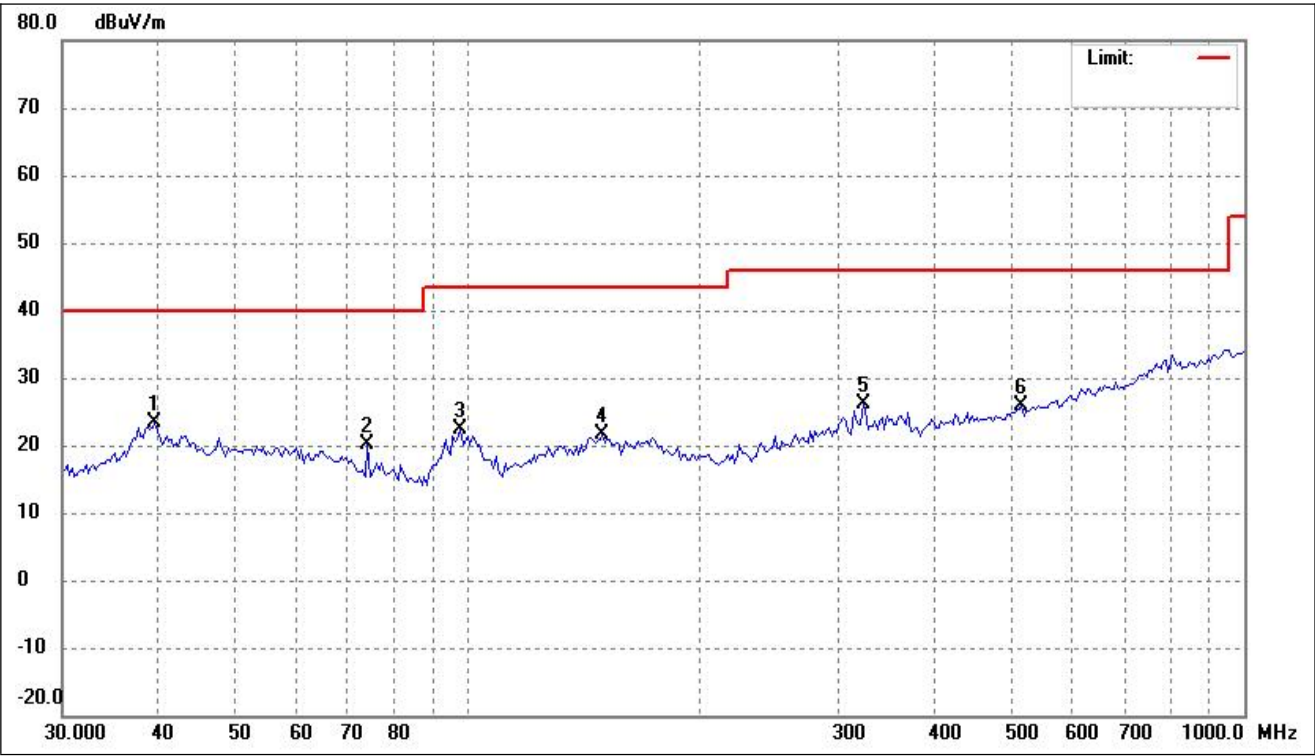
802.11a(Worst case)			
Test Channel	5240MHz	Polarity:	Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	38.9081	39.52	-8.19	31.33	40.00	-8.67	-	-	peak
2	82.5257	44.22	-12.48	31.74	40.00	-8.26	-	-	peak
3	95.6485	48.73	-12.25	36.48	43.50	-7.02	-	-	peak
4	172.5976	32.58	-8.68	23.90	43.50	-19.60	-	-	peak
5	558.0788	29.85	-3.33	26.52	46.00	-19.48	-	-	peak
6	754.9628	29.58	0.26	29.84	46.00	-16.16	-	-	peak

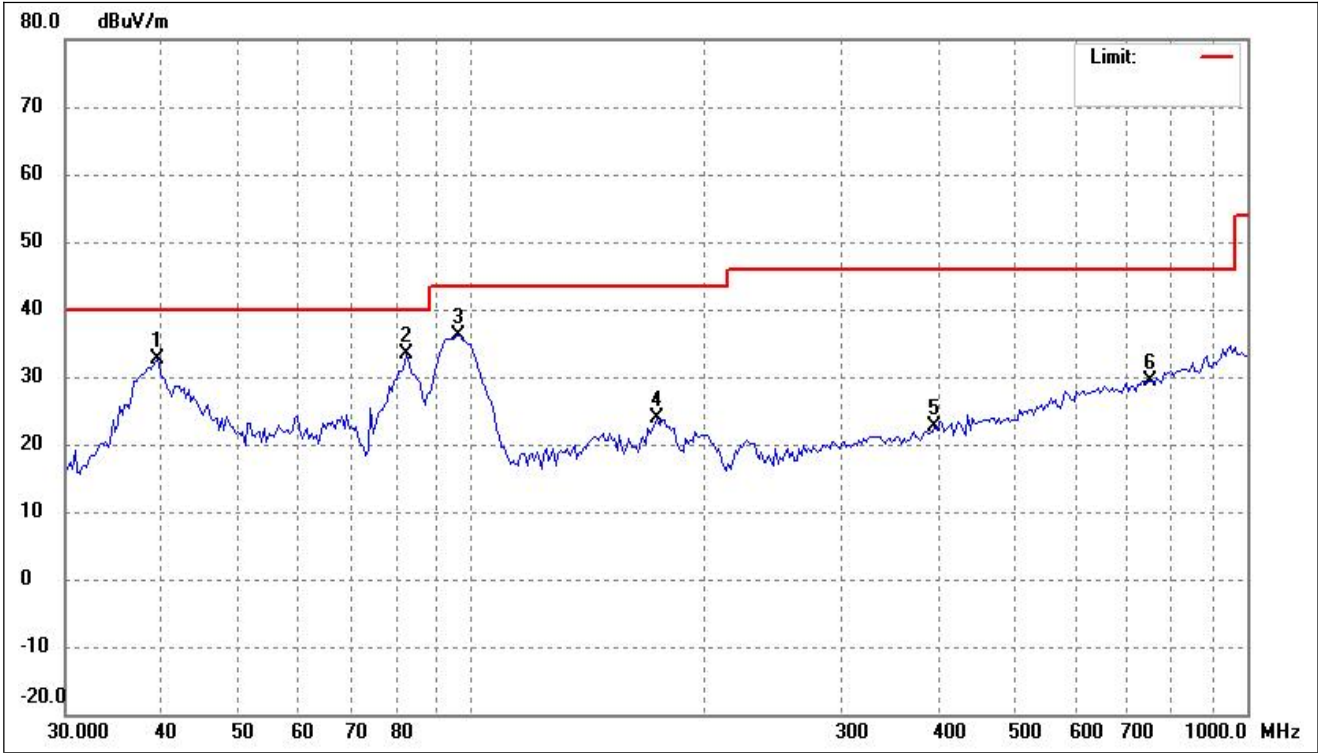
➤ 5250-5350MHz

802.11a(Worst case)			
Test Channel	5260MHz	Polarity:	Horizontal



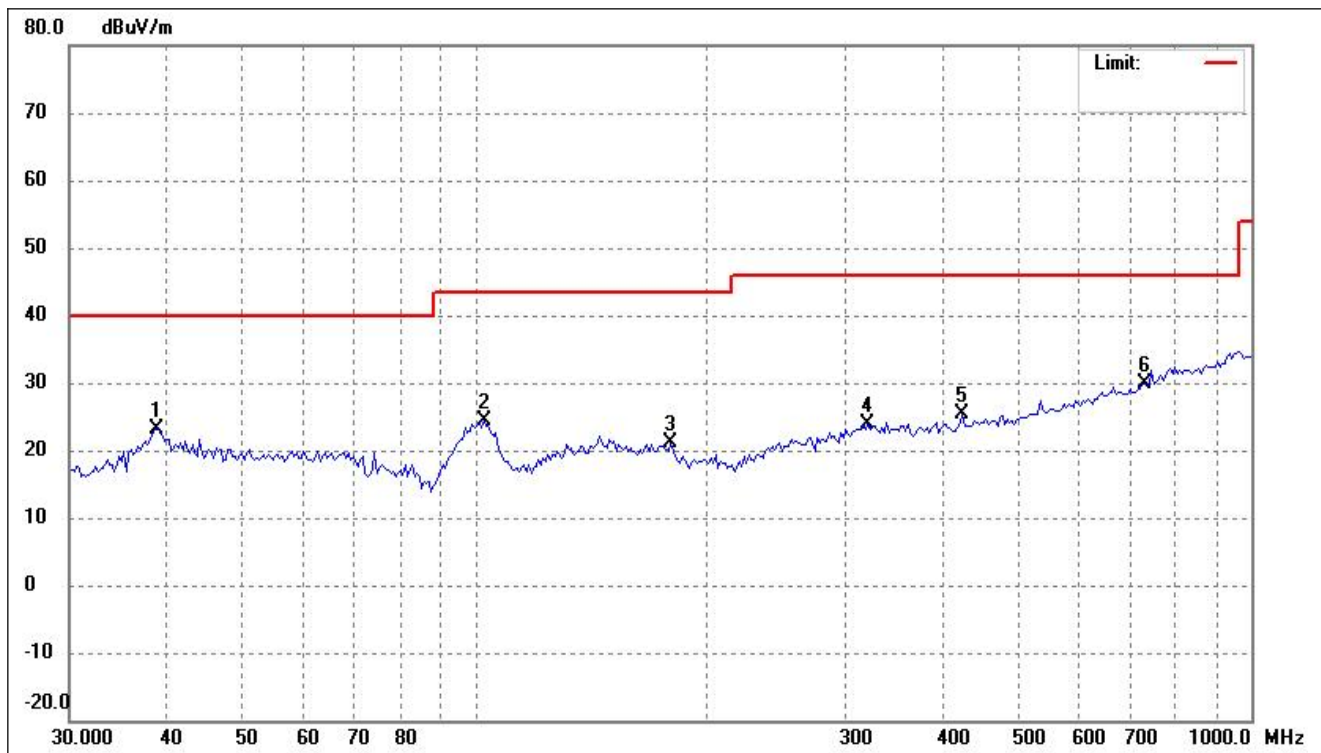
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	39.4588	31.33	-8.07	23.26	40.00	-16.74	-	-	peak
2	74.2696	31.40	-11.18	20.22	40.00	-19.78	-	-	peak
3	97.6864	34.42	-12.14	22.28	43.50	-21.22	-	-	peak
4	148.9175	29.84	-8.14	21.70	43.50	-21.80	-	-	peak
5	322.5896	33.41	-7.38	26.03	46.00	-19.97	-	-	peak
6	516.5651	30.48	-4.48	26.00	46.00	-20.00	-	-	peak

802.11a(worst case)			
Test Channel	5260MHz	Polarity:	Vertical



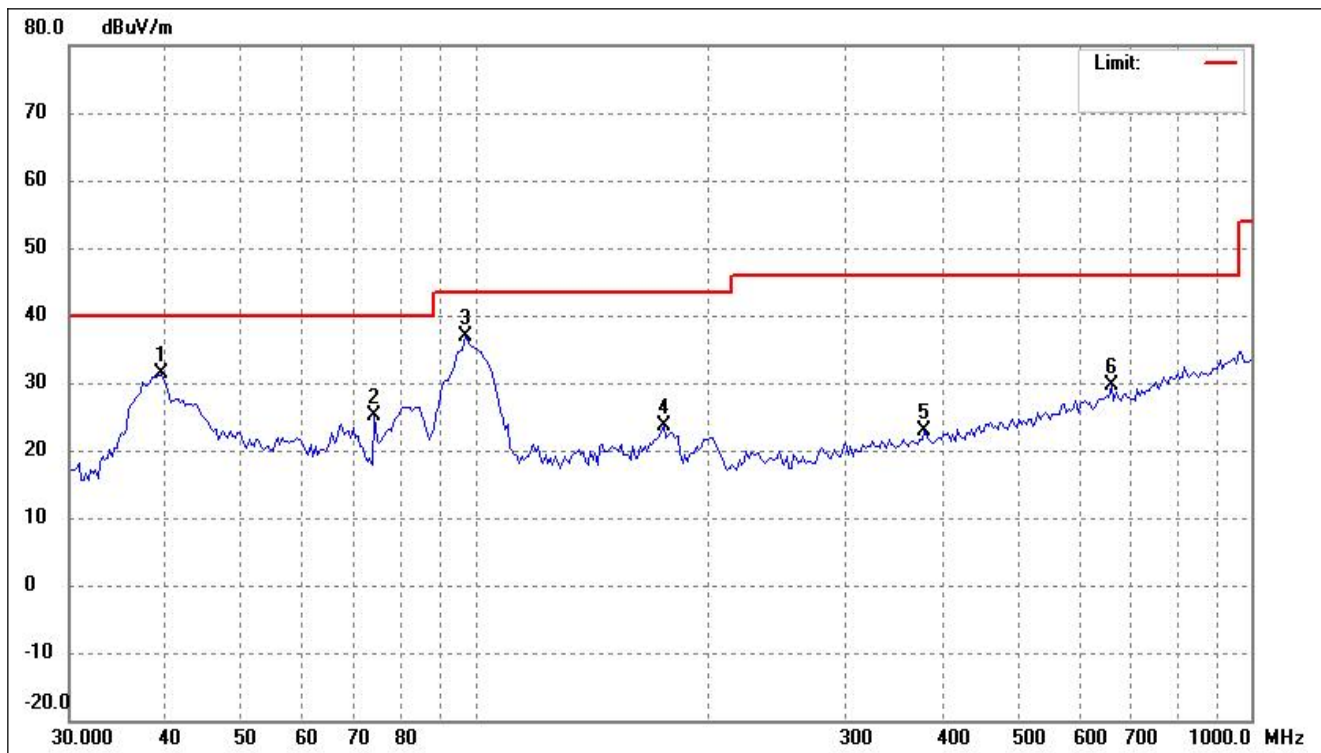
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	39.4588	40.71	-8.07	32.64	40.00	-7.36	-	-	peak
2	82.5257	45.82	-12.48	33.34	40.00	-6.66	-	-	peak
3	96.3230	48.43	-12.21	36.22	43.50	-7.28	-	-	peak
4	173.8147	32.85	-8.85	24.00	43.50	-19.50	-	-	peak
5	395.5071	28.89	-6.31	22.58	46.00	-23.42	-	-	peak
6	749.6761	29.28	0.17	29.45	46.00	-16.55	-	-	peak

802.11a(worst case)			
Test Channel	5280MHz	Polarity:	Horizontal



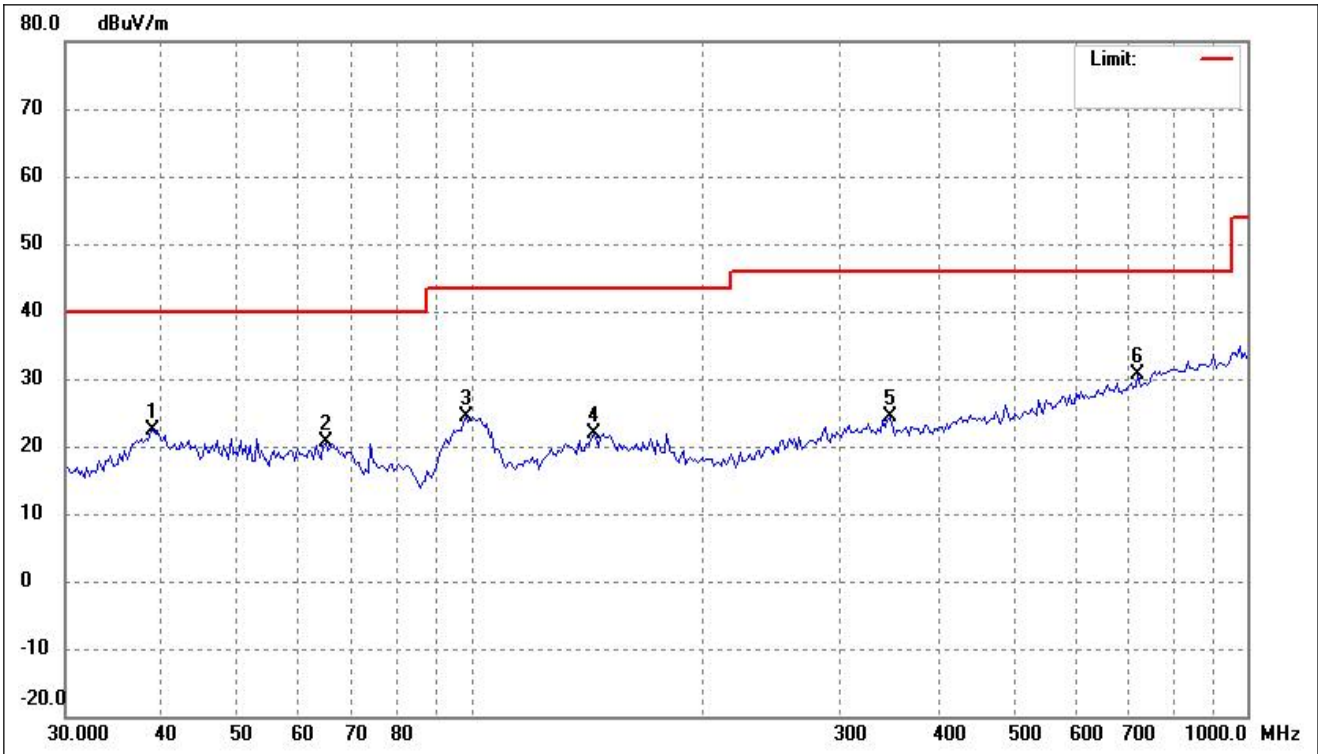
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	38.9081	31.33	-8.19	23.14	40.00	-16.86	-	-	peak
2	102.6117	36.25	-11.75	24.50	43.50	-19.00	-	-	peak
3	178.7697	30.62	-9.57	21.05	43.50	-22.45	-	-	peak
4	320.3306	31.24	-7.42	23.82	46.00	-22.18	-	-	peak
5	424.2999	31.05	-5.75	25.30	46.00	-20.70	-	-	peak
6	728.8971	30.36	-0.36	30.00	46.00	-16.00	-	-	peak

802.11a(worst case)			
Test Channel	5280MHz	Polarity:	Vertical



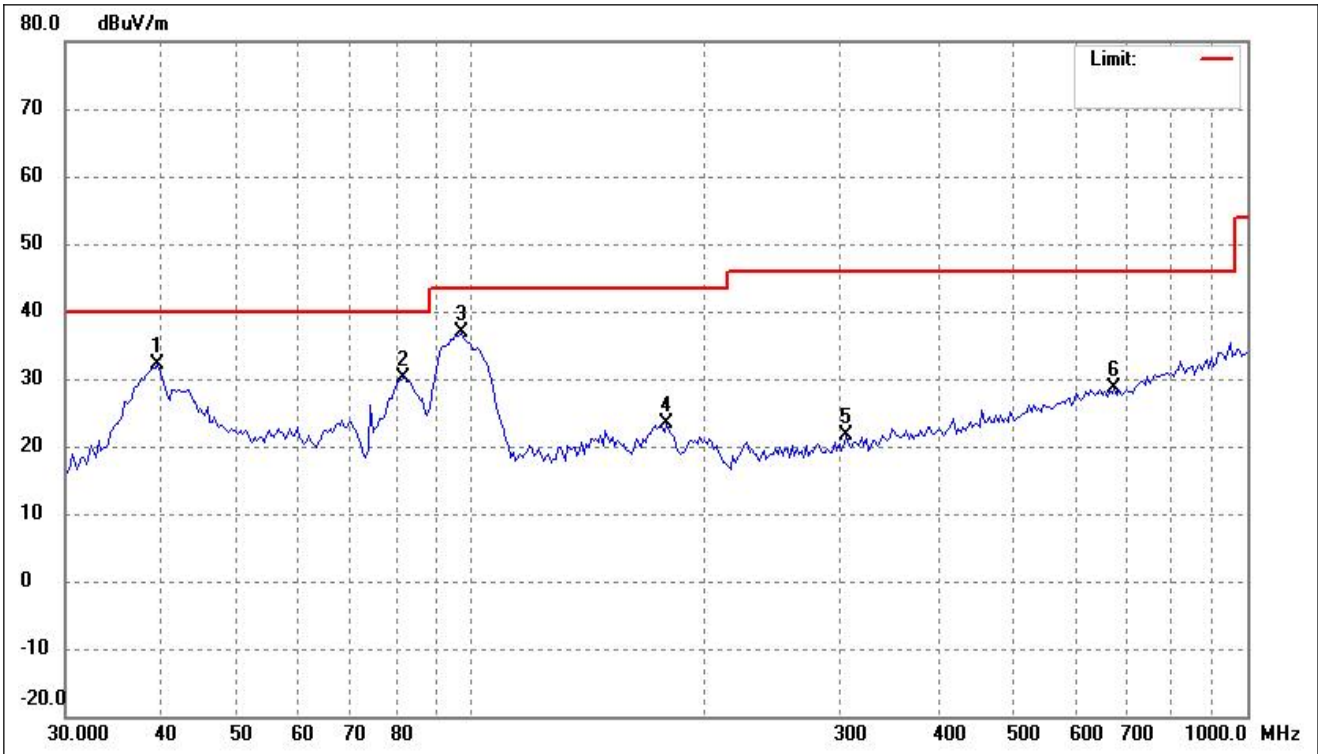
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	39.4588	39.53	-8.07	31.46	40.00	-8.54	-	-	peak
2	74.2696	36.38	-11.18	25.20	40.00	-14.80	-	-	peak
3	97.0023	49.01	-12.17	36.84	43.50	-6.66	-	-	peak
4	175.0404	32.64	-9.03	23.61	43.50	-19.89	-	-	peak
5	379.1780	29.47	-6.53	22.94	46.00	-23.06	-	-	peak
6	660.6025	31.09	-1.48	29.61	46.00	-16.39	-	-	peak

802.11a(worst case)			
Test Channel	5320MHz	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	38.9081	30.59	-8.19	22.40	40.00	-17.60	-	-	peak
2	64.9869	30.02	-9.33	20.69	40.00	-19.31	-	-	peak
3	98.3752	36.57	-12.09	24.48	43.50	-19.02	-	-	peak
4	143.7760	30.48	-8.57	21.91	43.50	-21.59	-	-	peak
5	346.0740	31.59	-7.10	24.49	46.00	-21.51	-	-	peak
6	723.7930	31.06	-0.49	30.57	46.00	-15.43	-	-	peak

802.11a(worst case)			
Test Channel	5320MHz	Polarity:	Vertical

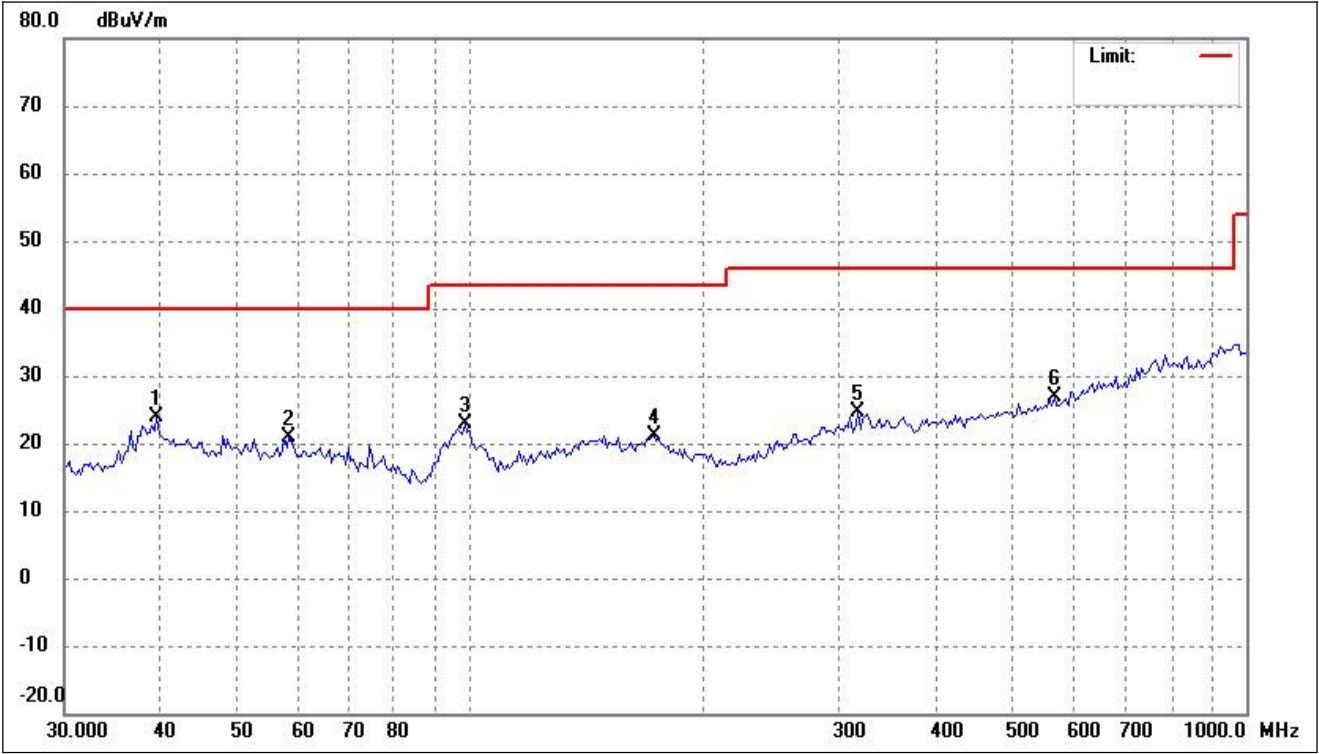


No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	39.4588	40.19	-8.07	32.12	40.00	-7.88	-	-	peak
2	81.9478	42.61	-12.47	30.14	40.00	-9.86	-	-	peak
3	97.0023	48.96	-12.17	36.79	43.50	-6.71	-	-	peak
4	178.7697	32.91	-9.57	23.34	43.50	-20.16	-	-	peak
5	304.9548	29.28	-7.76	21.52	46.00	-24.48	-	-	peak
6	674.6768	29.95	-1.37	28.58	46.00	-17.42	-	-	peak

➤ 5470-5725MHz

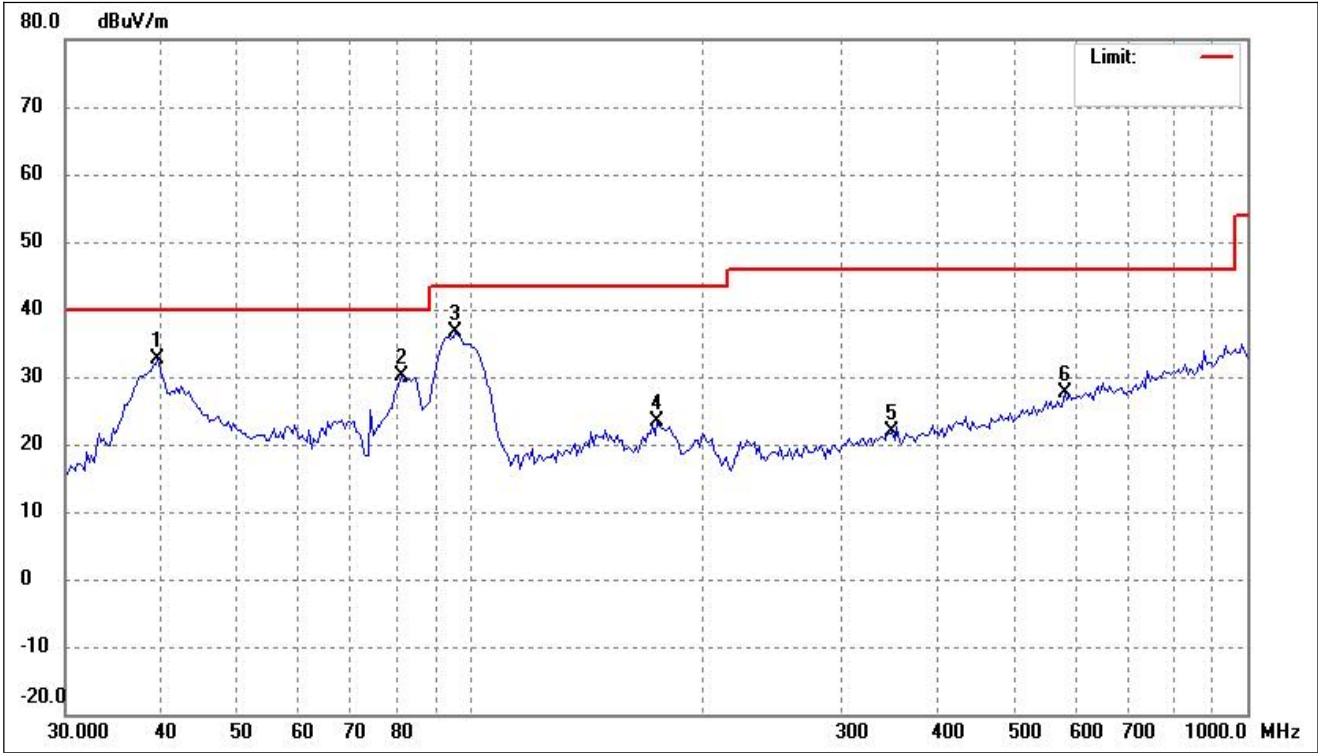
802.11a(Worst case)

Test Channel	5500MHz	Polarity:	Horizontal
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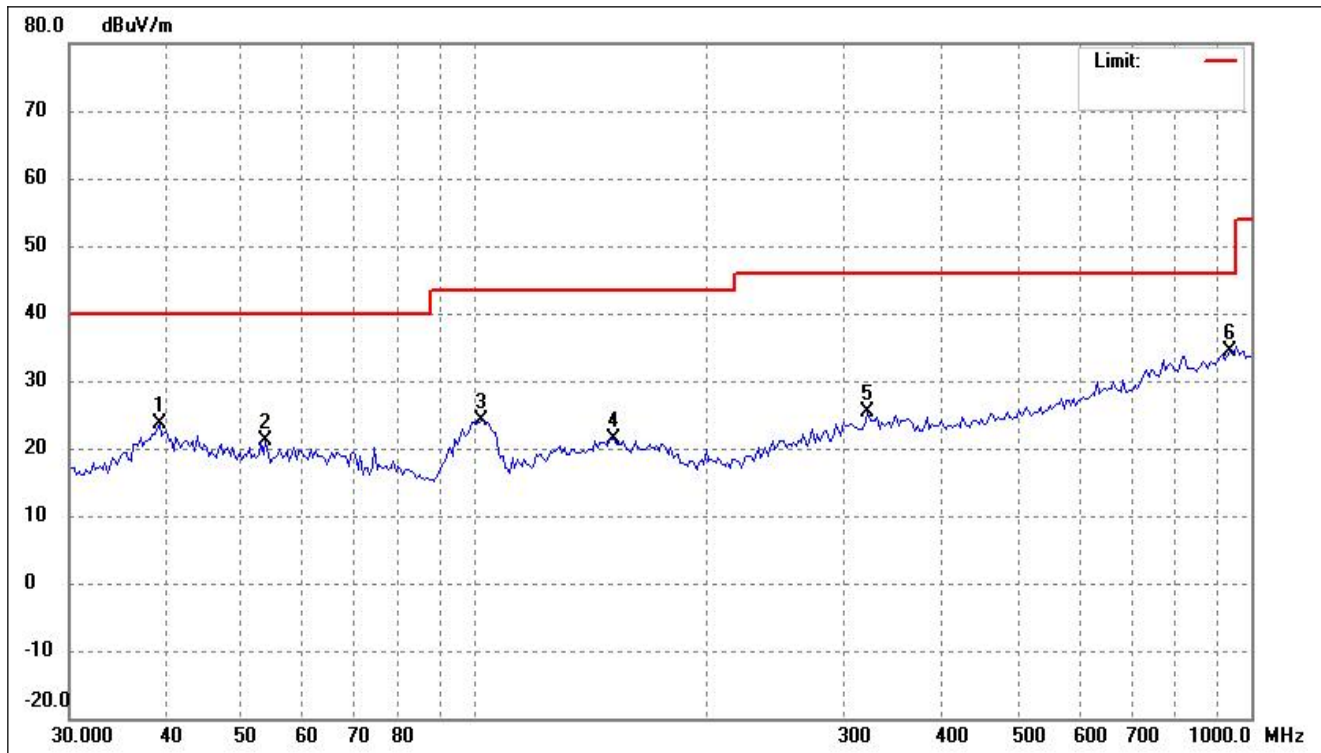
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	39.4588	31.84	-8.07	23.77	40.00	-16.23	-	-	peak
2	58.4855	29.23	-8.34	20.89	40.00	-19.11	-	-	peak
3	98.3752	34.85	-12.09	22.76	43.50	-20.74	-	-	peak
4	172.5976	29.73	-8.68	21.05	43.50	-22.45	-	-	peak
5	315.8601	32.08	-7.52	24.56	46.00	-21.44	-	-	peak
6	565.9776	29.86	-3.10	26.76	46.00	-19.24	-	-	peak

802.11a(worst case)			
Test Channel	5500MHz	Polarity:	Vertical



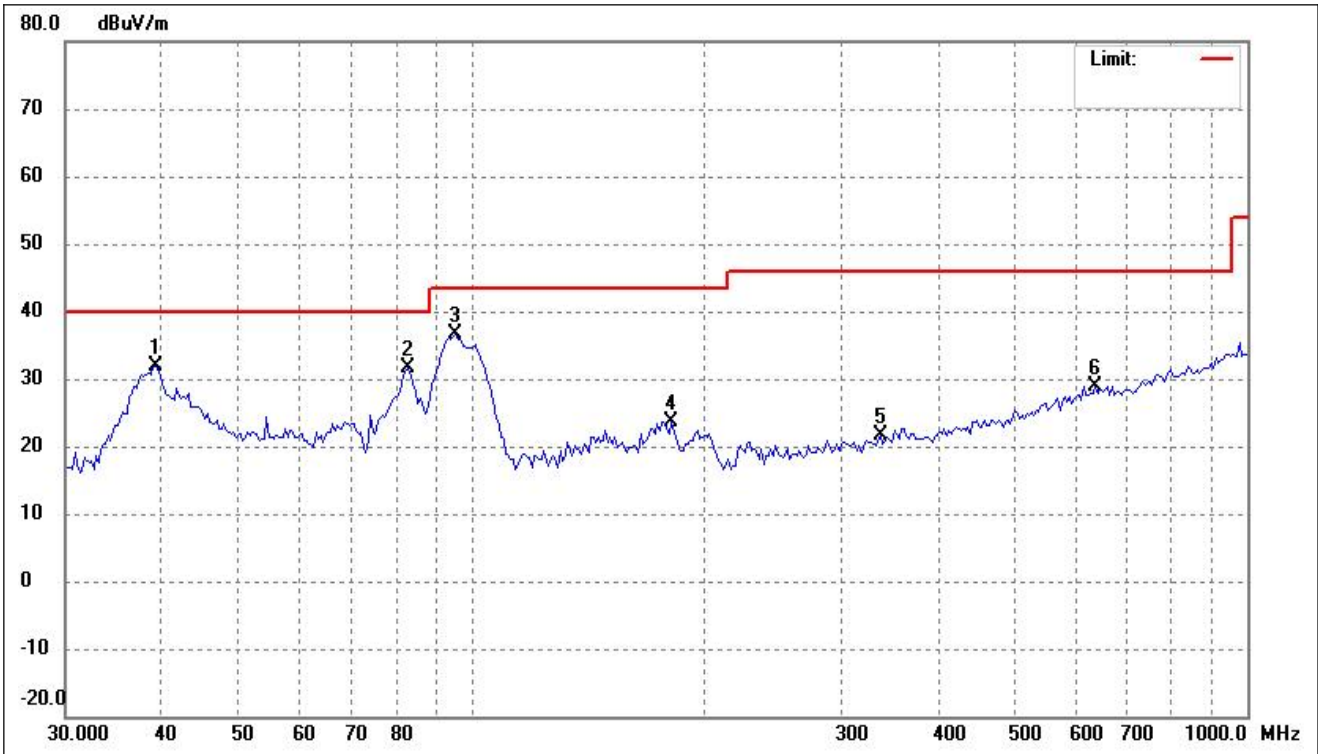
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	39.4588	40.76	-8.07	32.69	40.00	-7.31	-	-	peak
2	81.3740	42.55	-12.45	30.10	40.00	-9.90	-	-	peak
3	95.6485	48.82	-12.25	36.57	43.50	-6.93	-	-	peak
4	173.8147	32.12	-8.85	23.27	43.50	-20.23	-	-	peak
5	348.5145	28.91	-7.08	21.83	46.00	-24.17	-	-	peak
6	582.1122	30.25	-2.68	27.57	46.00	-18.43	-	-	peak

802.11a(worst case)			
Test Channel	5600MHz	Polarity:	Horizontal



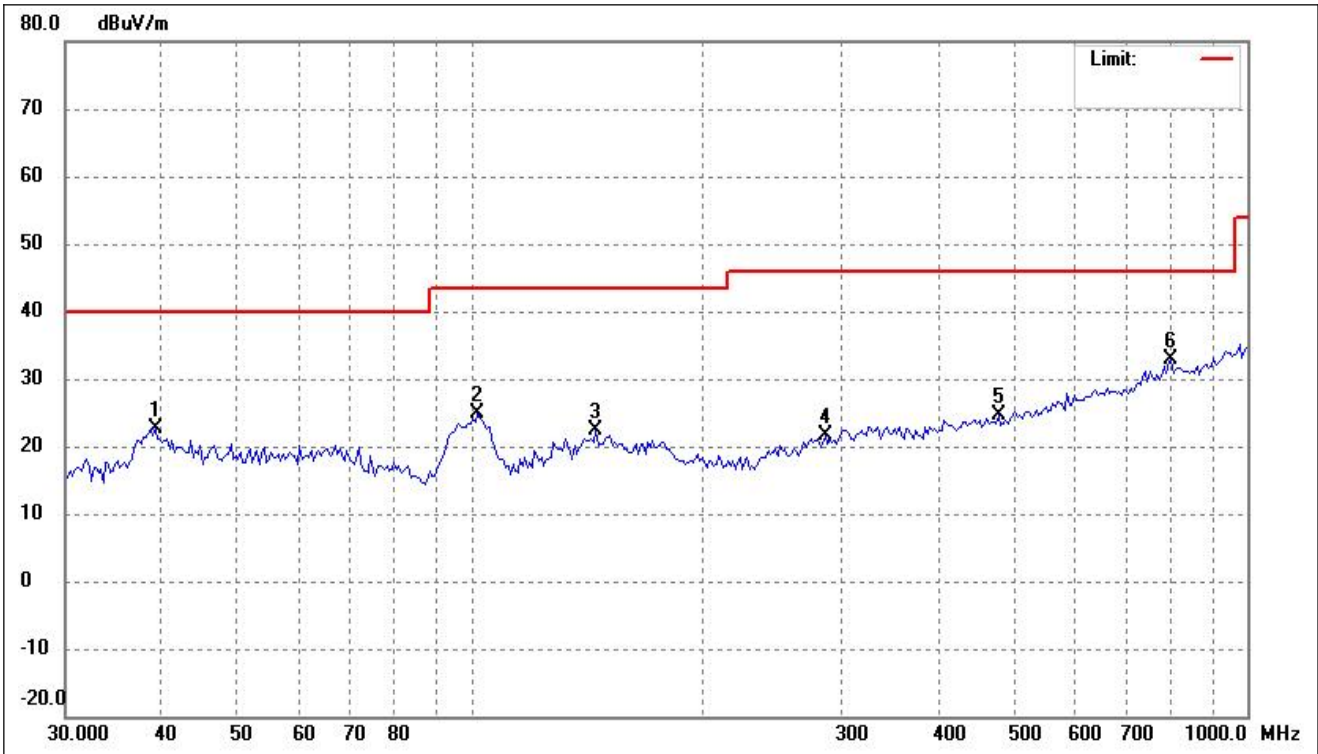
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	39.1825	31.72	-8.12	23.60	40.00	-16.40	-	-	peak
2	53.7559	29.24	-7.99	21.25	40.00	-18.75	-	-	peak
3	101.8932	36.01	-11.82	24.19	43.50	-19.31	-	-	peak
4	151.0252	29.45	-8.05	21.40	43.50	-22.10	-	-	peak
5	320.3306	32.77	-7.42	25.35	46.00	-20.65	-	-	peak
6	938.7139	31.44	3.03	34.47	46.00	-11.53	-	-	peak

802.11a(worst case)			
Test Channel	5600MHz	Polarity:	Vertical



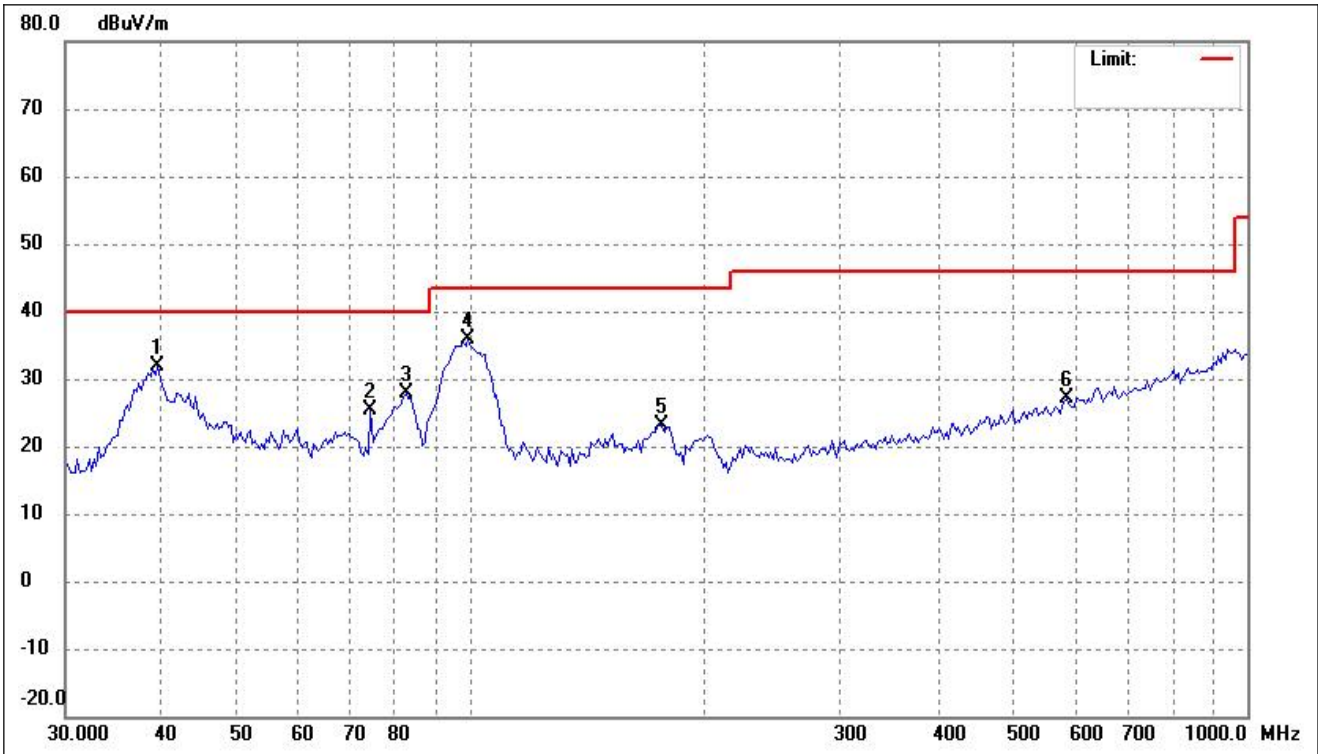
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	39.1825	40.12	-8.12	32.00	40.00	-8.00	-	-	peak
2	83.1077	44.14	-12.49	31.65	40.00	-8.35	-	-	peak
3	95.6485	48.79	-12.25	36.54	43.50	-6.96	-	-	peak
4	181.3000	33.58	-9.88	23.70	43.50	-19.80	-	-	peak
5	336.4817	28.94	-7.20	21.74	46.00	-24.26	-	-	peak
6	637.7947	30.59	-1.67	28.92	46.00	-17.08	-	-	peak

802.11a(worst case)			
Test Channel	5700MHz	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	39.1825	30.75	-8.12	22.63	40.00	-17.37	-	-	peak
2	101.8932	36.59	-11.82	24.77	43.50	-18.73	-	-	peak
3	144.7899	30.95	-8.49	22.46	43.50	-21.04	-	-	peak
4	286.2653	29.91	-8.30	21.61	46.00	-24.39	-	-	peak
5	478.1394	29.65	-4.97	24.68	46.00	-21.32	-	-	peak
6	798.6205	31.87	0.98	32.85	46.00	-13.15	-	-	peak

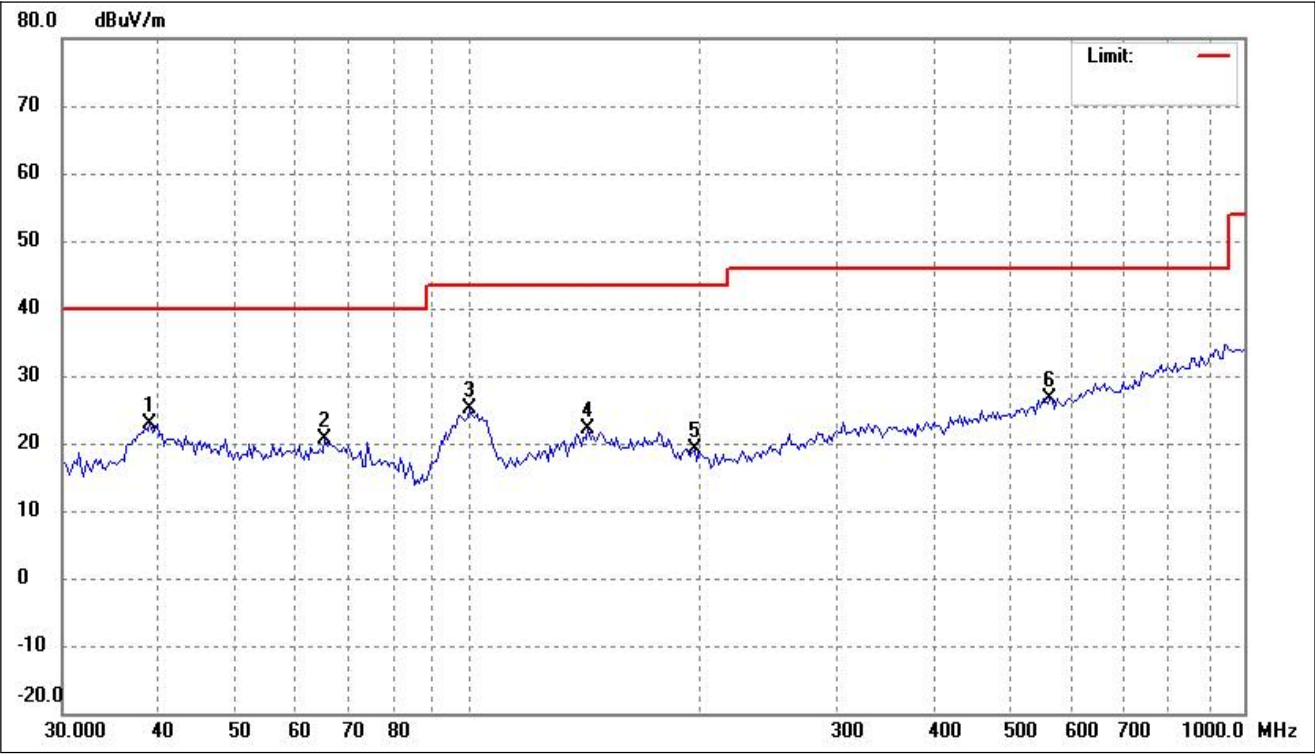
802.11a(worst case)			
Test Channel	5700MHz	Polarity:	Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	39.4588	39.83	-8.07	31.76	40.00	-8.24	-	-	peak
2	74.2696	36.60	-11.18	25.42	40.00	-14.58	-	-	peak
3	82.5257	40.39	-12.48	27.91	40.00	-12.09	-	-	peak
4	99.0690	47.87	-12.04	35.83	43.50	-7.67	-	-	peak
5	176.2748	32.45	-9.21	23.24	43.50	-20.26	-	-	peak
6	586.2172	29.75	-2.58	27.17	46.00	-18.83	-	-	peak

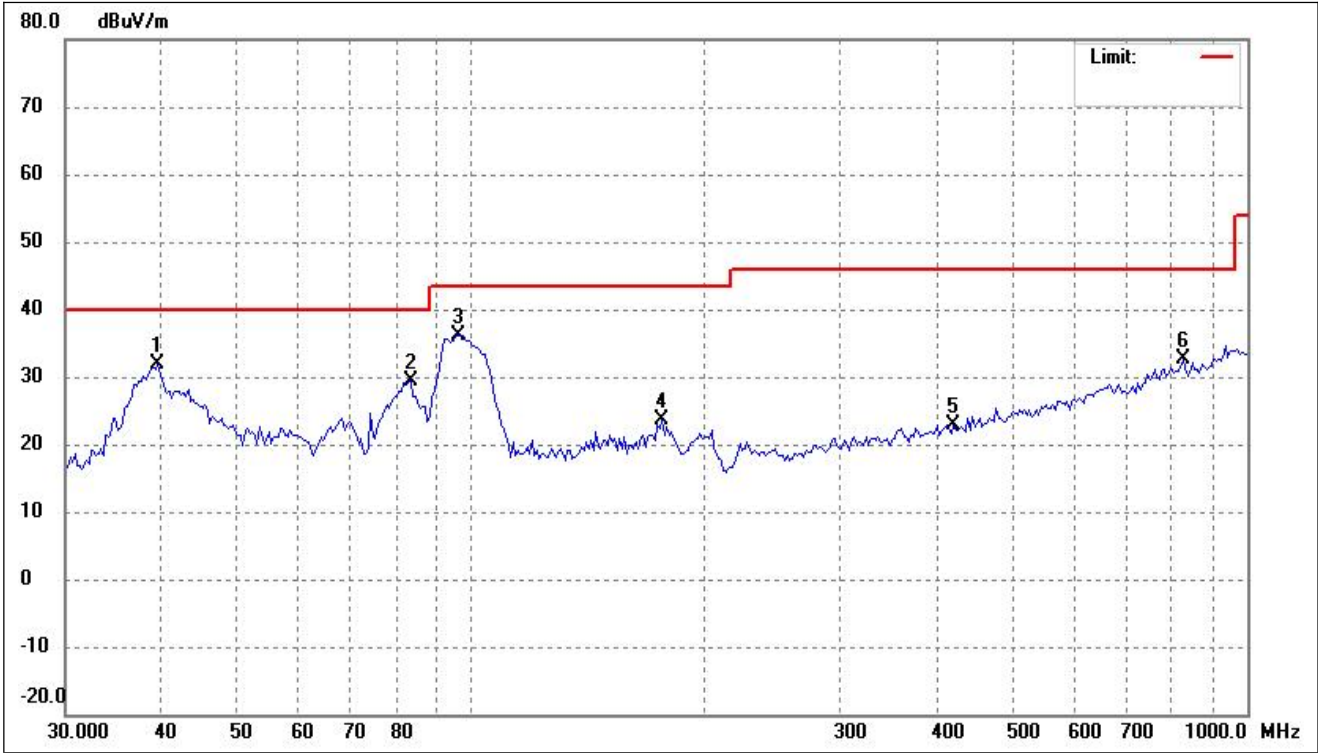
➤ 5725-5850MHz

802.11a(Worst case)			
Test Channel	5745MHz	Polarity:	Horizontal



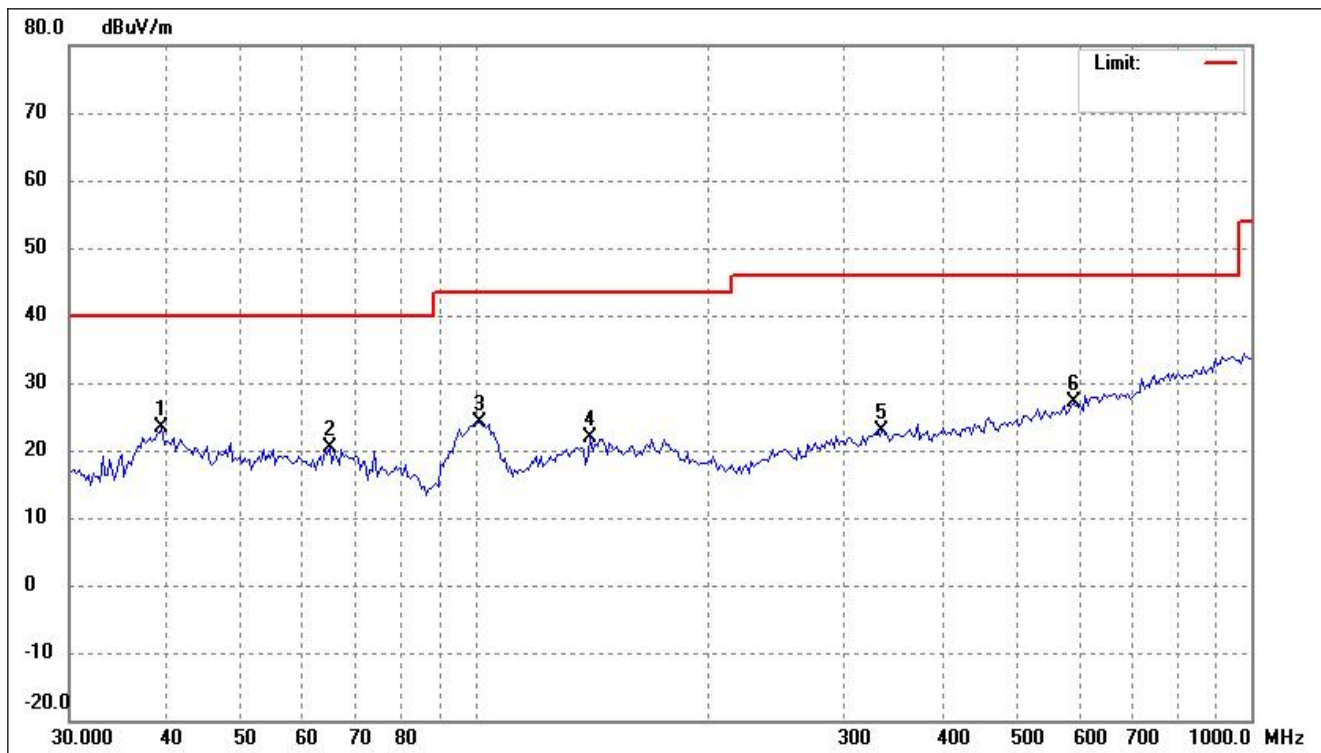
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	38.9081	31.10	-8.19	22.91	40.00	-17.09	-	-	peak
2	65.4452	30.03	-9.42	20.61	40.00	-19.39	-	-	peak
3	100.4712	36.99	-11.95	25.04	43.50	-18.46	-	-	peak
4	142.7692	30.88	-8.66	22.22	43.50	-21.28	-	-	peak
5	195.8701	30.19	-11.15	19.04	43.50	-24.46	-	-	peak
6	562.0143	29.94	-3.20	26.74	46.00	-19.26	-	-	peak

802.11a(worst case)			
Test Channel	5745MHz	Polarity:	Vertical



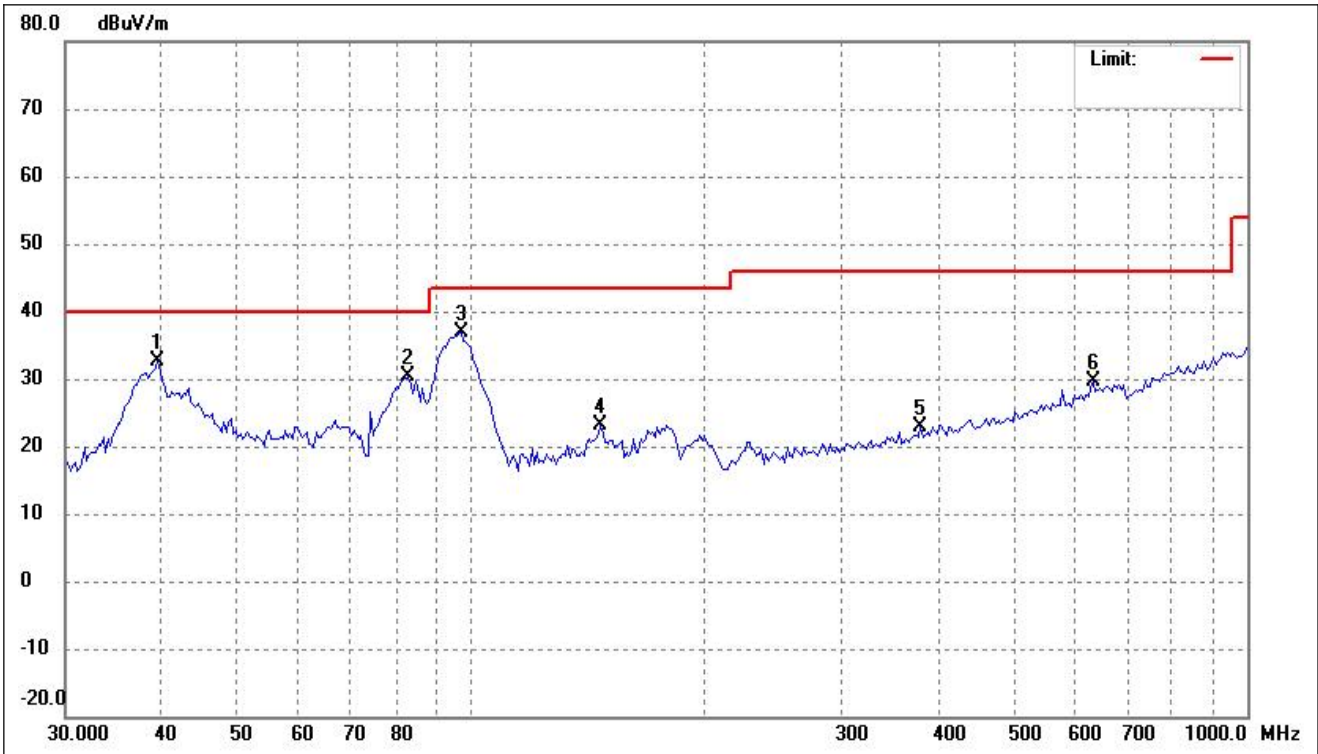
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	39.4588	39.83	-8.07	31.76	40.00	-8.24	-	-	peak
2	83.6937	41.77	-12.50	29.27	40.00	-10.73	-	-	peak
3	96.3230	48.46	-12.21	36.25	43.50	-7.25	-	-	peak
4	176.2748	32.91	-9.21	23.70	43.50	-19.80	-	-	peak
5	418.3784	28.74	-5.88	22.86	46.00	-23.14	-	-	peak
6	827.1795	31.41	1.29	32.70	46.00	-13.30	-	-	peak

802.11a(worst case)			
Test Channel	5785MHz	Polarity:	Horizontal



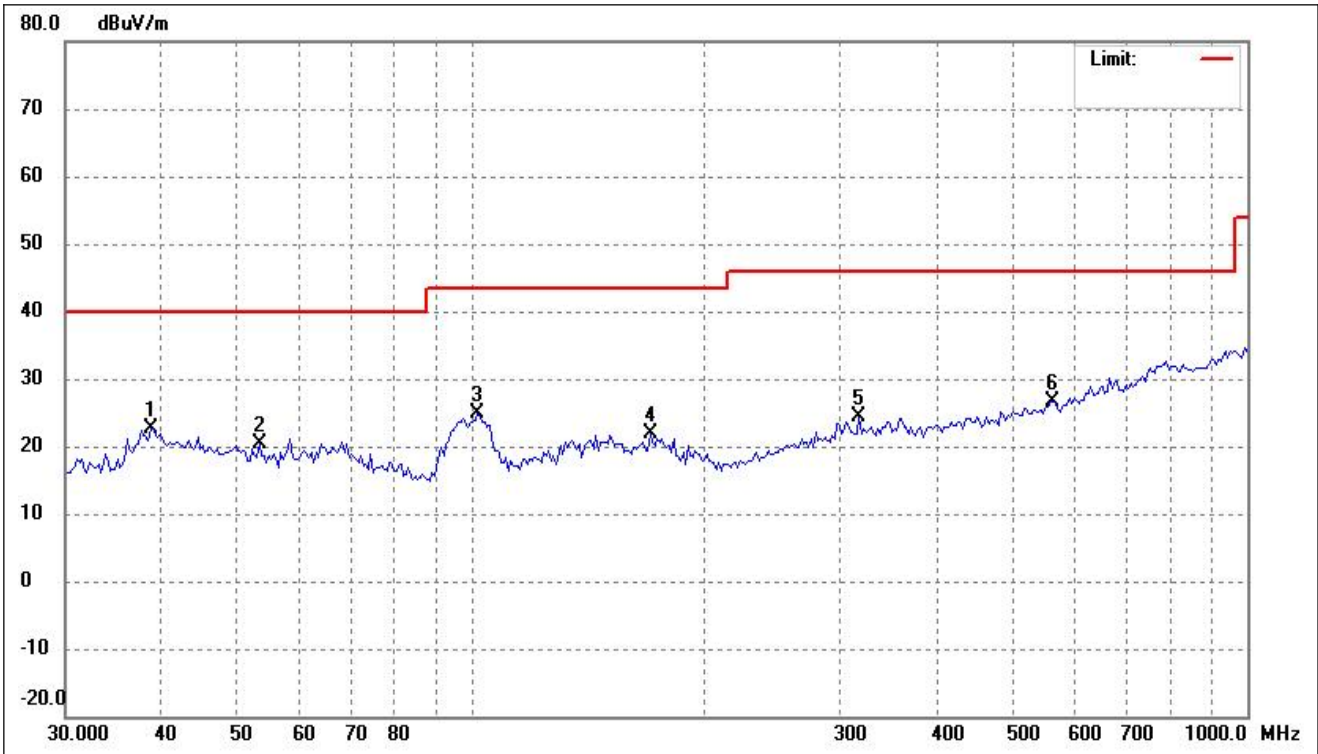
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	39.4588	31.33	-8.07	23.26	40.00	-16.74	-	-	peak
2	64.9869	29.75	-9.33	20.42	40.00	-19.58	-	-	peak
3	101.1797	36.09	-11.88	24.21	43.50	-19.29	-	-	peak
4	140.7767	30.59	-8.83	21.76	43.50	-21.74	-	-	peak
5	334.1255	30.00	-7.23	22.77	46.00	-23.23	-	-	peak
6	590.3511	29.59	-2.48	27.11	46.00	-18.89	-	-	peak

802.11a(worst case)			
Test Channel	5785MHz	Polarity:	Vertical



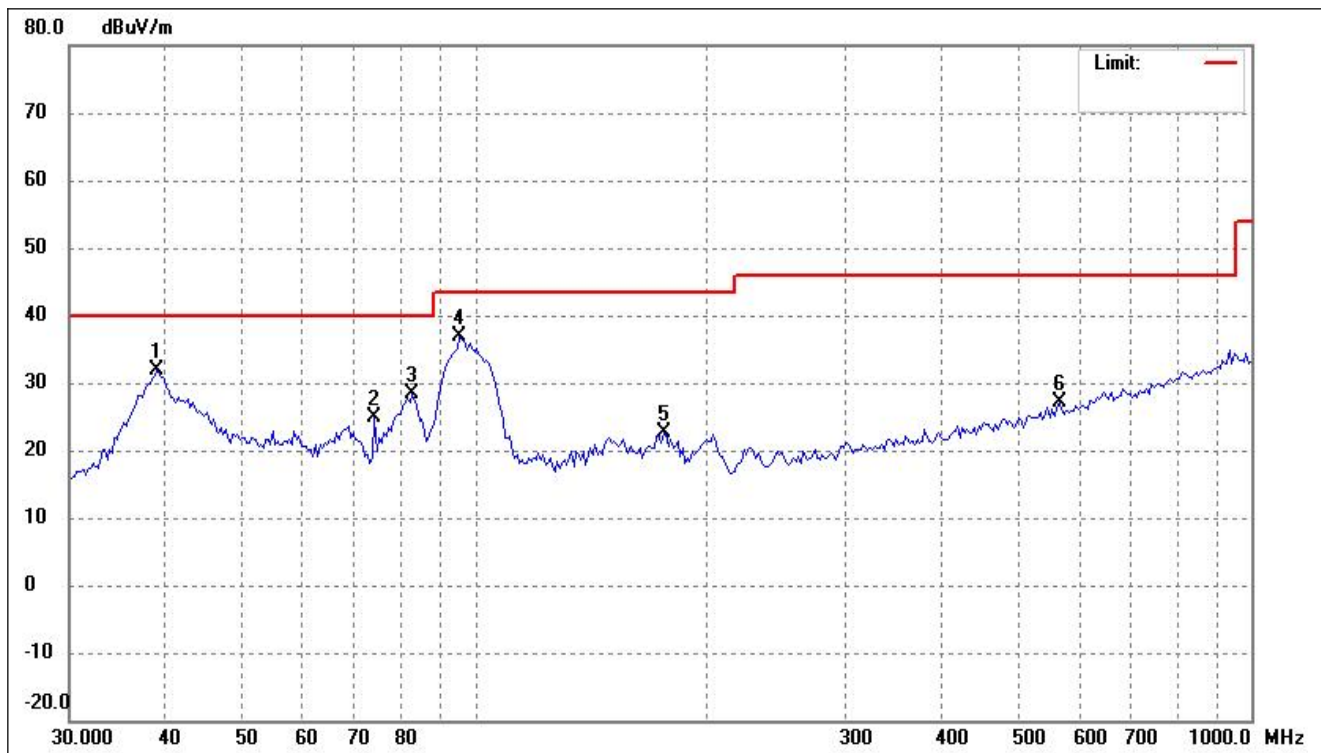
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	39.4588	40.62	-8.07	32.55	40.00	-7.45	-	-	peak
2	83.1077	42.83	-12.49	30.34	40.00	-9.66	-	-	peak
3	97.0023	48.98	-12.17	36.81	43.50	-6.69	-	-	peak
4	146.8392	31.37	-8.31	23.06	43.50	-20.44	-	-	peak
5	379.1780	29.34	-6.53	22.81	46.00	-23.19	-	-	peak
6	633.3285	31.32	-1.70	29.62	46.00	-16.38	-	-	peak

802.11a(worst case)			
Test Channel	5825MHz	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	38.6357	30.83	-8.25	22.58	40.00	-17.42	-	-	peak
2	53.3794	28.37	-7.95	20.42	40.00	-19.58	-	-	peak
3	101.8932	36.62	-11.82	24.80	43.50	-18.70	-	-	peak
4	170.1888	30.11	-8.34	21.77	43.50	-21.73	-	-	peak
5	315.8601	31.80	-7.52	24.28	46.00	-21.72	-	-	peak
6	558.0788	29.92	-3.33	26.59	46.00	-19.41	-	-	peak

802.11a(worst case)			
Test Channel	5825MHz	Polarity:	Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	38.9081	40.15	-8.19	31.96	40.00	-8.04	-	-	peak
2	74.2696	35.94	-11.18	24.76	40.00	-15.24	-	-	peak
3	83.1076	40.76	-12.49	28.27	40.00	-11.73	-	-	peak
4	95.6485	49.02	-12.25	36.77	43.50	-6.73	-	-	peak
5	175.0404	31.63	-9.03	22.60	43.50	-20.90	-	-	peak
6	565.9775	30.24	-3.10	27.14	46.00	-18.86	-	-	peak

Remark: '-' Means the test Degree and Height are not recorded by the test software and only show the worst case in the test report.

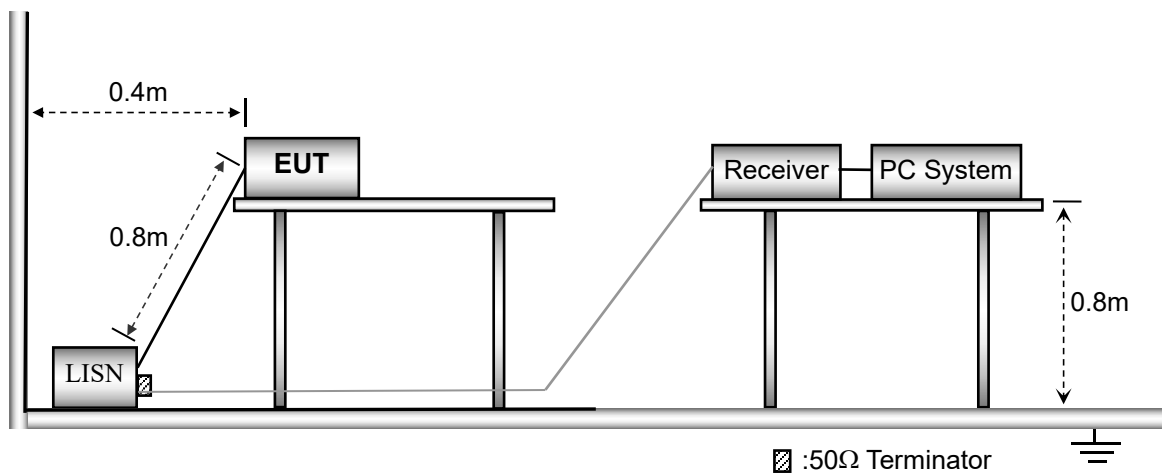
6. Conducted Emissions

6.1 Test Procedure

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 Limit.

The external I/O cables were draped along the test table and formed a bundle 30 to 40cm long in the middle. The spacing between the peripherals was 10cm.

6.2 Basic Test Setup Block Diagram



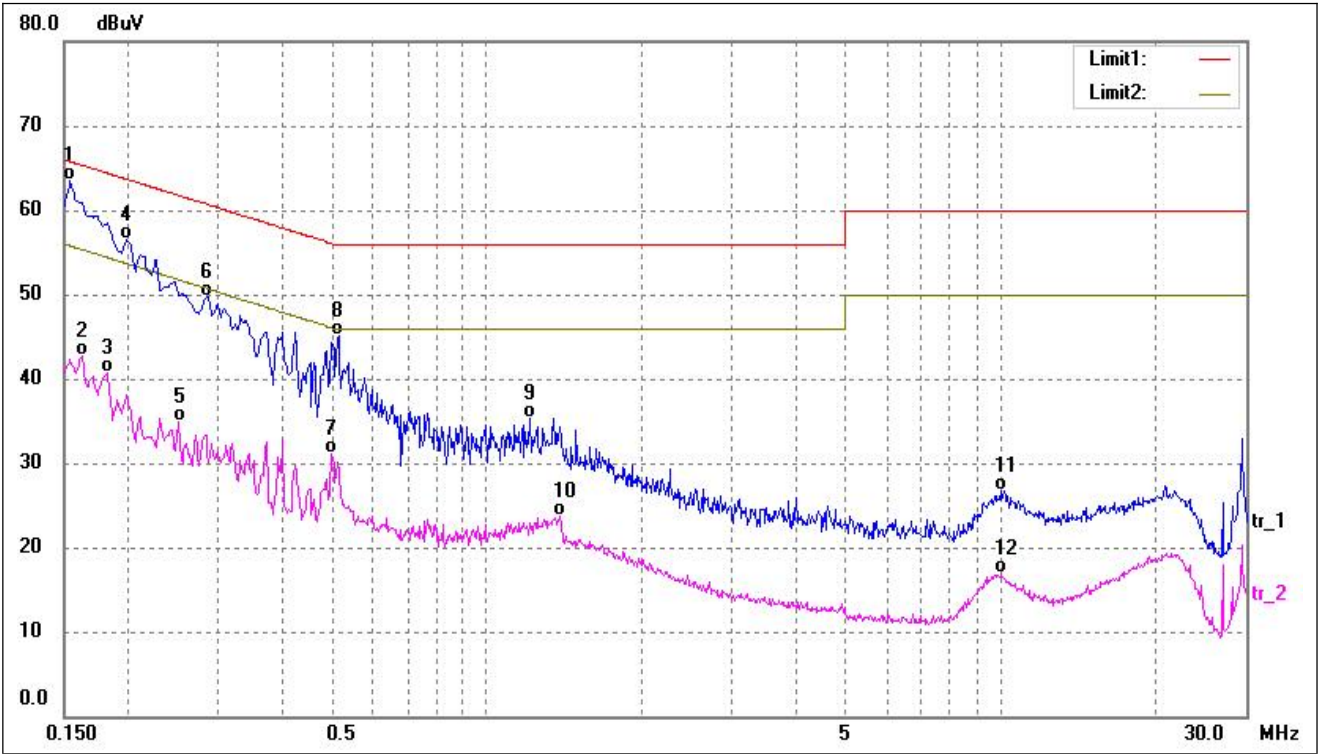
6.3 Test Receiver Setup

During the conducted emission test, the test receiver was set with the following configurations:

Start Frequency.....	150kHz
Stop Frequency.....	30MHz
Sweep Speed.....	Auto
IF Bandwidth.....	10kHz
Quasi-Peak Adapter Bandwidth.....	9kHz
Quasi-Peak Adapter Mode.....	Normal

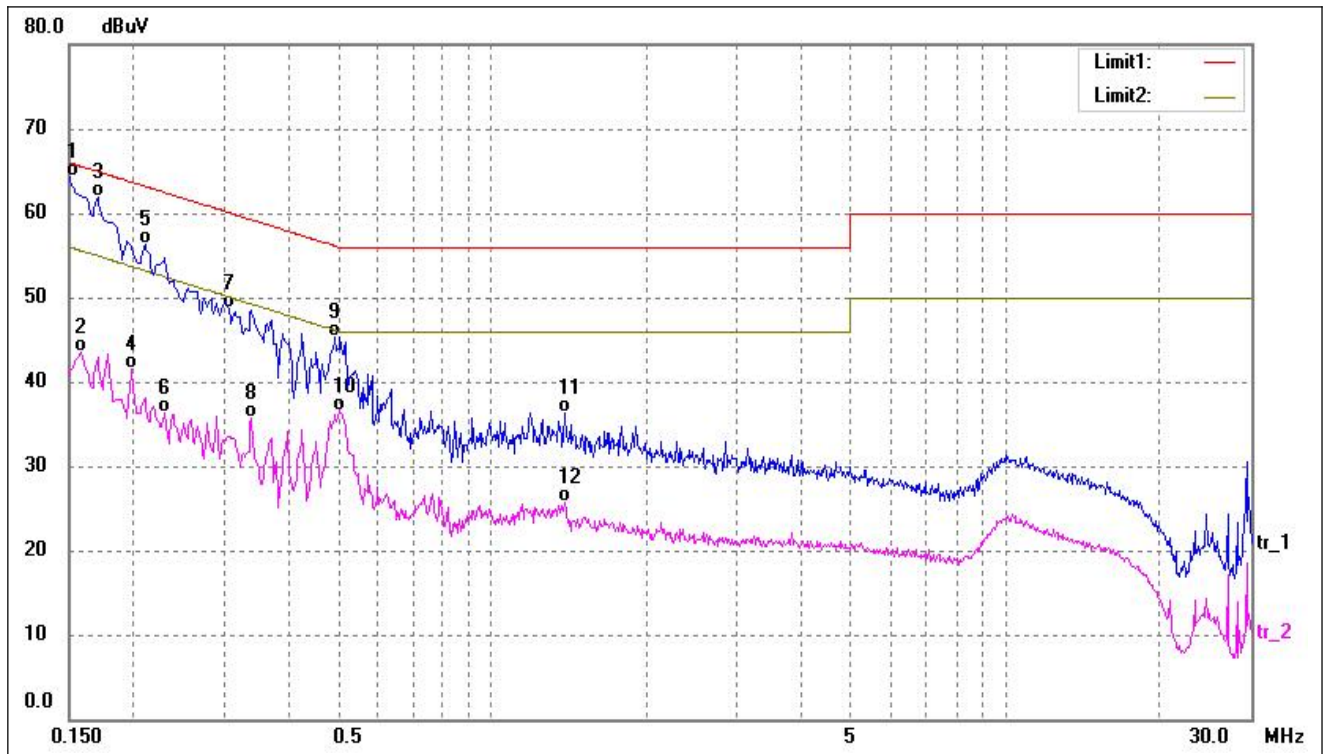
6.4 Summary of Test Results/Plots

Test Mode	Communication	AC120V 60Hz	Polarity:	Neutral
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1539	53.68	9.75	63.43	65.78	-2.35	QP
2	0.1620	32.93	9.72	42.65	55.36	-12.71	AVG
3	0.1819	31.09	9.64	40.73	54.39	-13.66	AVG
4	0.1980	46.98	9.58	56.56	63.69	-7.13	QP
5	0.2500	25.28	9.60	34.88	51.75	-16.87	AVG
6	0.2860	40.02	9.63	49.65	60.64	-10.99	QP
7	0.4980	21.41	9.74	31.15	46.03	-14.88	AVG
8	0.5140	35.37	9.74	45.11	56.00	-10.89	QP
9	1.2140	25.65	9.66	35.31	56.00	-20.69	QP
10	1.3860	13.96	9.65	23.61	46.00	-22.39	AVG
11	9.9819	16.81	9.87	26.68	60.00	-33.32	QP
12	10.0420	7.02	9.87	16.89	50.00	-33.11	AVG

Test Mode	Communication	AC120V 60Hz	Polarity:	Line
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1500	54.53	9.76	64.29	65.99	-1.70	QP
2	0.1580	33.71	9.73	43.44	55.56	-12.12	AVG
3	0.1700	52.15	9.69	61.84	64.96	-3.12	QP
4	0.1980	31.97	9.58	41.55	53.69	-12.14	AVG
5	0.2100	46.69	9.58	56.27	63.20	-6.93	QP
6	0.2300	26.76	9.59	36.35	52.45	-16.10	AVG
7	0.3060	38.98	9.64	48.62	60.08	-11.46	QP
8	0.3379	26.07	9.66	35.73	49.25	-13.52	AVG
9	0.4940	35.60	9.74	45.34	56.10	-10.76	QP
10	0.5020	26.86	9.74	36.60	46.00	-9.40	AVG
11	1.3860	26.67	9.65	36.32	56.00	-19.68	QP
12	1.3860	15.99	9.65	25.64	46.00	-20.36	AVG

APPENDIX PHOTOGRAPHS

Please refer to “ANNEX”

***** END OF REPORT *****