

# TEST REPORT

**Reference No.**..... : WTX24X04085494W001  
**FCC ID** ..... : 2AABK-150  
**Applicant** ..... : Shenzhen Chuangwei Electronic Appliance Tech Co.,Ltd.  
**Address** ..... : 4F & 6F, Overseas plant south, Skyworth Industrial Park, Shiyan Street,  
Bao'an District, Shenzhen, China  
**Manufacturer** ..... : The same as Applicant  
**Address** ..... : The same as Applicant  
**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** .... : 2024-04-16  
**Date of Test**..... : 2024-04-16 to 2024-04-24  
**Date of Issue** ..... : 2024-04-24  
**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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**Report version**

Version No.	Date of issue	Description
Rev.00	2024-04-24	Original
/	/	/

## 1. GENERAL INFORMATION

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### 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:	MODEL: AP049U-12200 INPUT: AC100-240V ~ 50/60Hz 0.6A MAX OUTPUT: DC12V, 2.0A
<p><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></p>	

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
<p><i>Note The Antenna Gain is provided by the customer and can affect the validity of results.</i></p>	

## 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			
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 an802.11n-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	±0.42dB
Occupied Bandwidth	Conducted	±1.5%
Power Spectral Density	Conducted	±1.8dB
Conducted Spurious Emission	Conducted	±2.17dB
Conducted Emissions	Conducted	9-150kHz ±3.74dB
		0.15-30MHz ±3.34dB
Transmitter Spurious Emissions	Radiated	30-200MHz ±4.52dB
		0.2-1GHz ±5.56dB
		1-6GHz ±3.84dB
		6-18GHz ±3.92dB



**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	2024-02-24	2025-02-23
WTXE1022A 1002	GSM Tester	Rohde & Schwarz	CMU200	114403	2024-02-27	2025-02-26
WTXE1005A 1005	Spectrum Analyzer	Agilent	N9020A	US471401 02	2024-03-19	2025-03-18
WTXE1084A 1001	Spectrum Analyzer	Agilent	N9020A	MY543205 48	2024-02-24	2025-02-23
WTXE1044A 1001	Signal Generator	Agilent	83752A	3610A014 53	2024-02-24	2025-02-23
WTXE1045A 1001	Vector Signal Generator	Agilent	N5182A	MY470702 02	2024-02-24	2025-02-23
WTXE1018A 1001	Power Divider	Weinschel	1506A	PM204	2024-02-29	2025-02-28
<input type="checkbox"/> Chamber A: Below 1GHz						
WTXE1005A 1003	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/03 5	2024-02-24	2025-02-23
WTXE1001A 1001	EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2024-03-19	2025-03-18
WTXE1007A 1001	Amplifier	HP	8447F	2805A034 75	2024-02-24	2025-02-23
WTXE1010A 1007	Loop Antenna	Schwarz beck	FMZB 1516	9773	2024-02-26	2025-02-25
WTXE1010A 1006	Broadband Antenna	Schwarz beck	VULB9163	9163-333	2024-02-24	2025-02-23
<input type="checkbox"/> Chamber A: Above 1GHz						
WTXE1005A 1003	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/03 5	2024-02-24	2025-02-23
WTXE1001A 1001	EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2024-03-19	2025-03-18
WTXE1065A 1001	Amplifier	C&D	PAP-1G18	2002	2024-02-27	2025-02-26
WTXE1010A 1005	Horn Antenna	ETS	3117	00086197	2024-02-26	2025-02-25
WTXE1010A 1010	DRG Horn Antenna	A.H. SYSTEMS	SAS-574	571	2024-03-17	2025-03-16
WTXE1003A 1001	Pre-amplifier	Schwarzbeck	BBV 9721	9721-031	2024-02-29	2025-02-28

<input type="checkbox"/> 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	2024-02-24	2025-02-23
WTXE1001A 1002	EMI Test Receiver	Rohde & Schwarz	ESPI	101391	2024-02-24	2025-02-23
<input checked="" type="checkbox"/> Chamber C: Below 1GHz						
WTXE1093A 1001	EMI Test Receiver	Rohde & Schwarz	ESIB 26	100401	2024-02-27	2025-02-26
WTXE1010A 1013-1	Trilog Broadband Antenna	Schwarz beck	VULB 9168	1194	2021-05-28	2024-05-27
WTXE1007A 1002	Amplifier	HP	8447F	2944A038 69	2024-02-24	2025-02-23
WTXE1010A 1007	Loop Antenna	Schwarz beck	FMZB 1516	9773	2024-02-26	2025-02-25
<input checked="" type="checkbox"/> Chamber C: Above 1GHz						
WTXE1093A 1001	EMI Test Receiver	Rohde & Schwarz	ESIB 26	100401	2024-02-27	2025-02-26
WTXE1103A 1005	Horn Antenna	POAM	RTF-118A	1820	2023-03-10	2026-03-09
WTXE1103A 1006	Amplifier	Tonscend	TAP01018050	AP22E806 235	2024-02-27	2025-02-26
WTXE1010A 1010	DRG Horn Antenna	A.H. SYSTEMS	SAS-574	571	2024-03-17	2025-03-16
WTXE1003A 1001	Pre-amplifier	Schwarzbeck	BBV 9721	9721-031	2024-02-29	2025-02-28
<input type="checkbox"/> Conducted Room 1#						
WTXE1104A 1029	EMI Test Receiver	Rohde & Schwarz	ESCI	100525	2023-12-12	2024-12-11
WTXE1002A 1001	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2024-02-24	2025-02-23
WTXE1003A 1001	AC LISN	Schwarz beck	NSLK8126	8126-279	2024-02-24	2025-02-23
<input checked="" type="checkbox"/> Conducted Room 2#						
WTXE1001A 1004	EMI Test Receiver	Rohde & Schwarz	ESPI	101259	2024-02-24	2025-02-23
WTXE1003A 1003	LISN	Rohde & Schwarz	ENV 216	100097	2024-02-24	2025-02-23

Software List			
Description	Manufacturer	Model	Version
EMI Test Software (Radiated Emission)*	Farad	EZ-EMC	RA-03A1
EMI Test Software (Conducted Emission Room 1#)*	Farad	EZ-EMC	RA-03A1
EMI Test Software (Conducted Emission Room 2#)*	SKET	EMC-I	V2.0

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

## 2. SUMMARY OF TEST RESULTS

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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	N/A
§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

N/A: Data refer to the original report WTX22X07136454W001, The original FCC ID issue date: 08/23/2022.

Note: Class II Permissive Change: The EUT has updated the Screen. The test data include Automatically Discontinue Transmission and Radiated Emission. Other data (mark N/A) are not affected by EUT changes.

### **3. Antenna Requirement**

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#### **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**

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### **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

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### 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:

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

where:

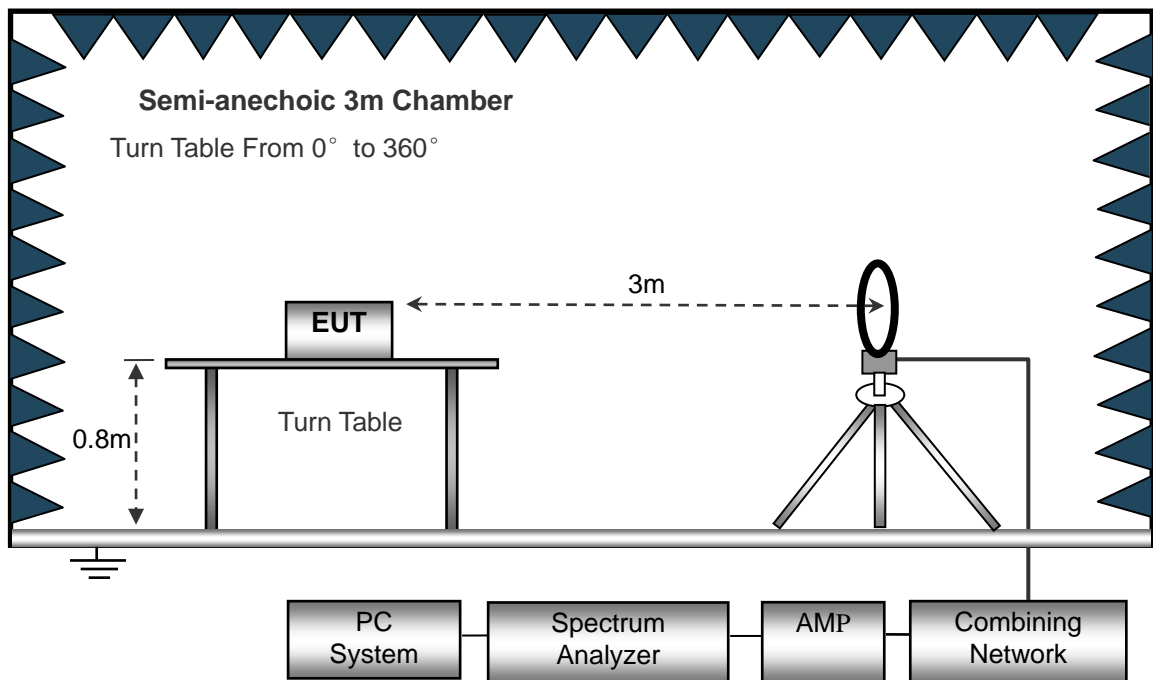
- E is the field strength in V/m;
- d is the measurement distance in meters;
- EIRP is the equivalent isotropically radiated power in watts.

### 5.2 Test Procedure

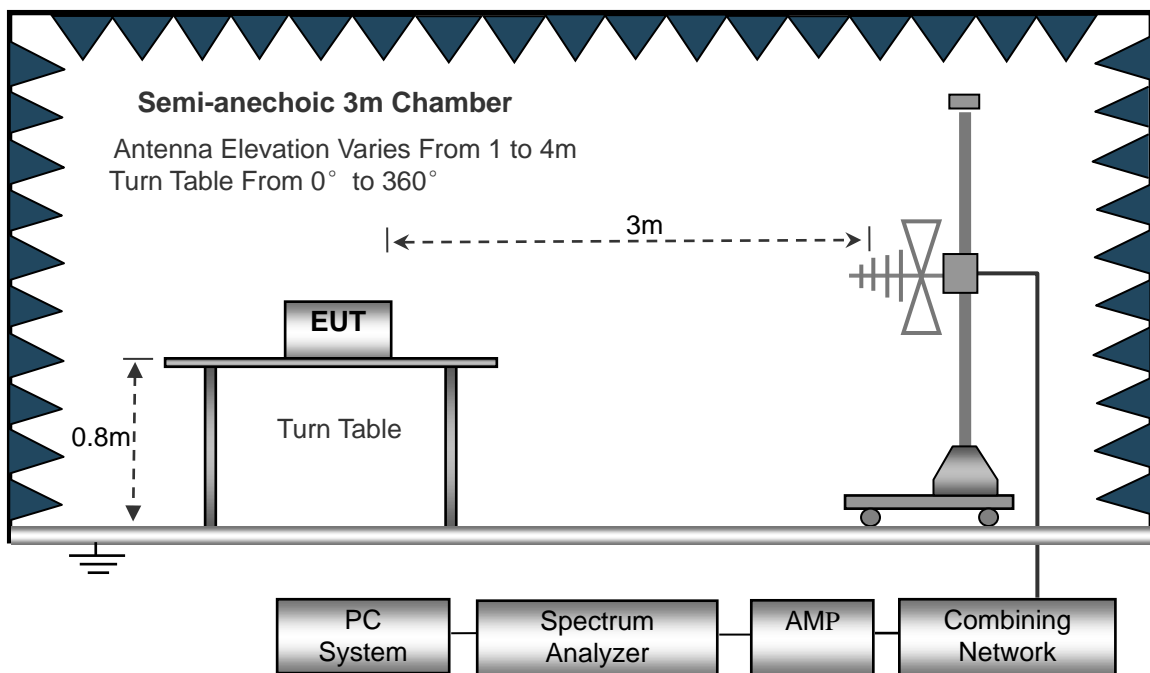
The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.205 15.407(b)(6) and FCC Part 15.209 Limit..

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.

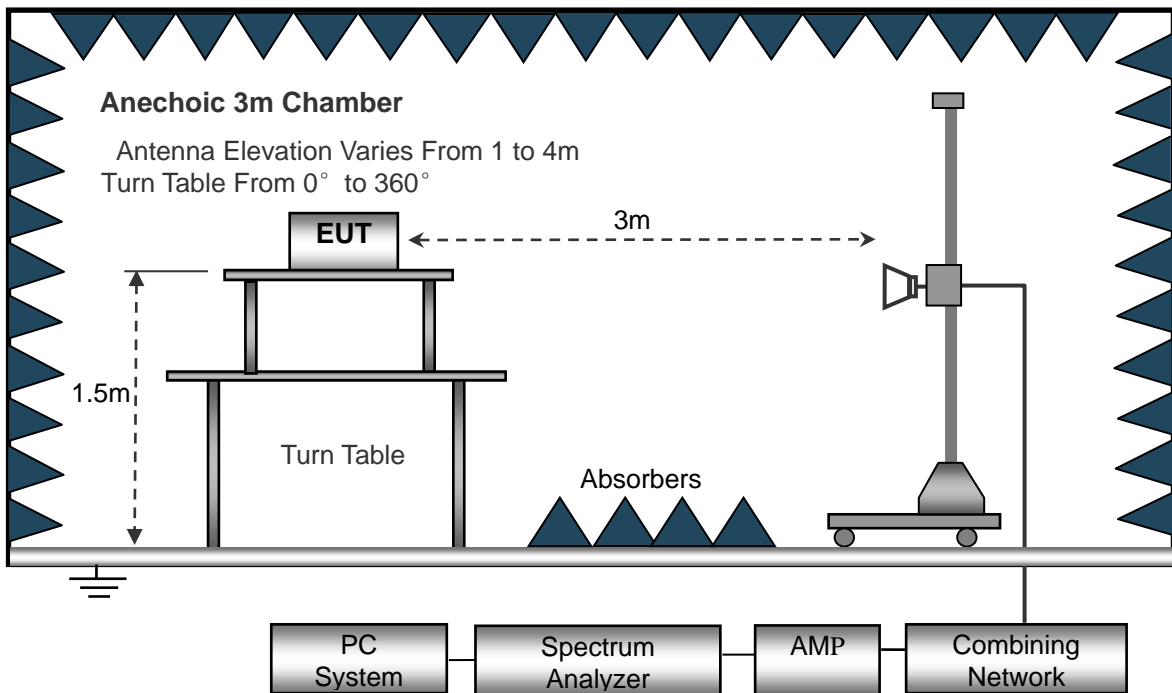


The test setup for emission measurement from 30MHz to 1GHz.





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 $\mu$ V means the emission is 6dB $\mu$ V below the maximum limit for Class B. The equation for margin calculation is as follows:

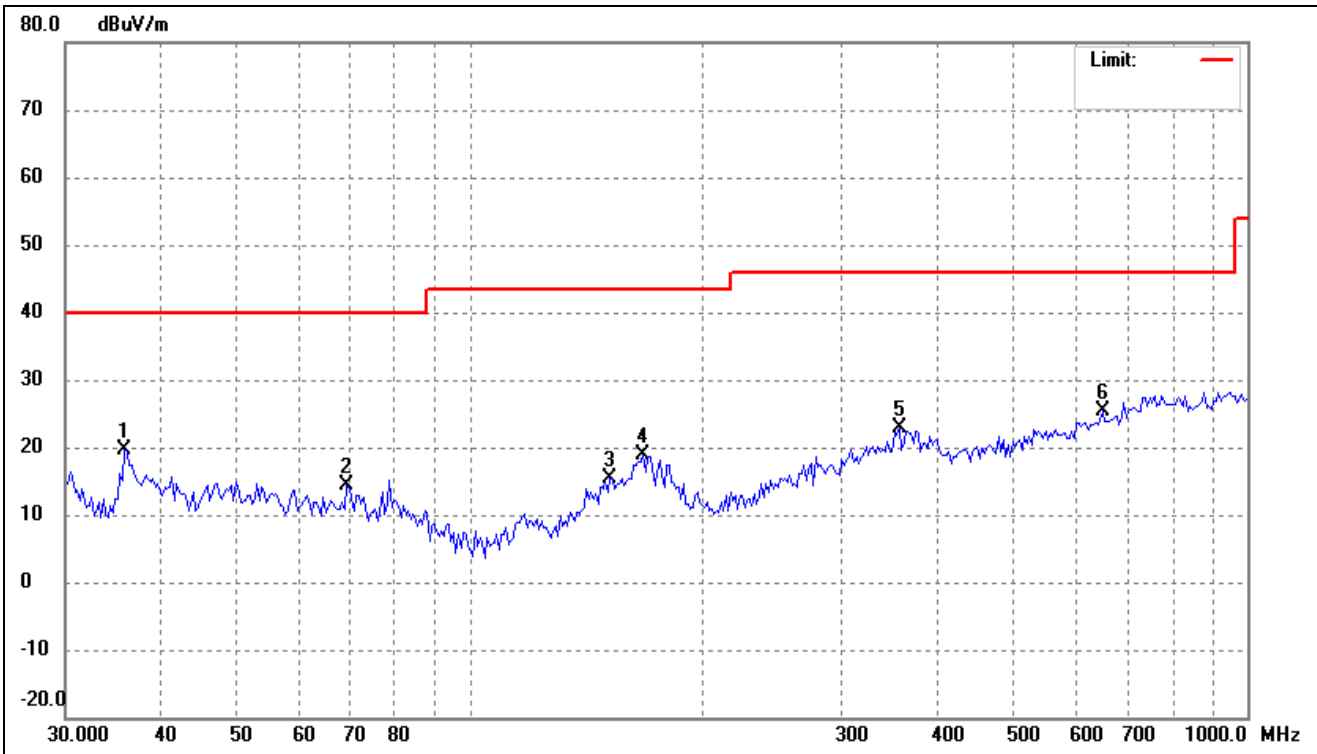
$$\text{Margin} = \text{Corr. Ampl.} - \text{FCC Part 15 Limit}$$

### 5.5 Summary of Test Results/Plots

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

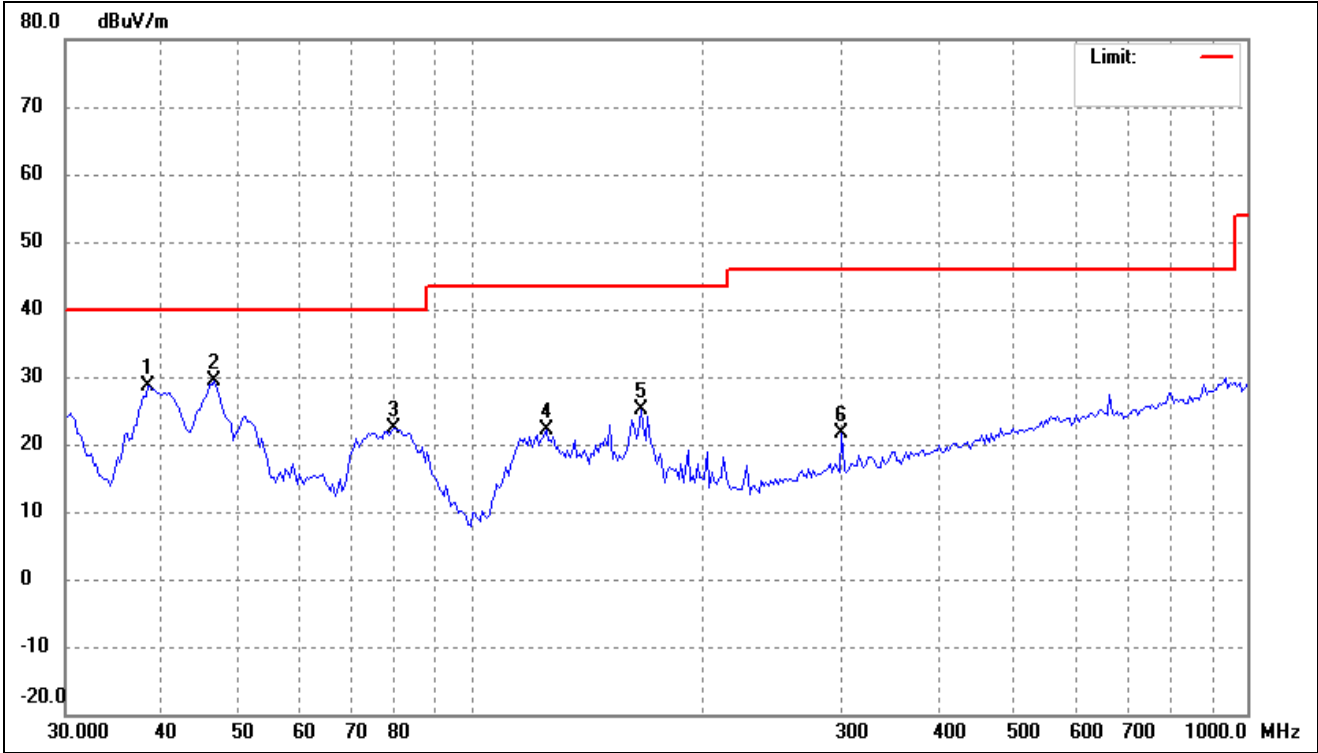
- Spurious Emission From 30MHz to 1GHz
- 5150-5250MHz

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



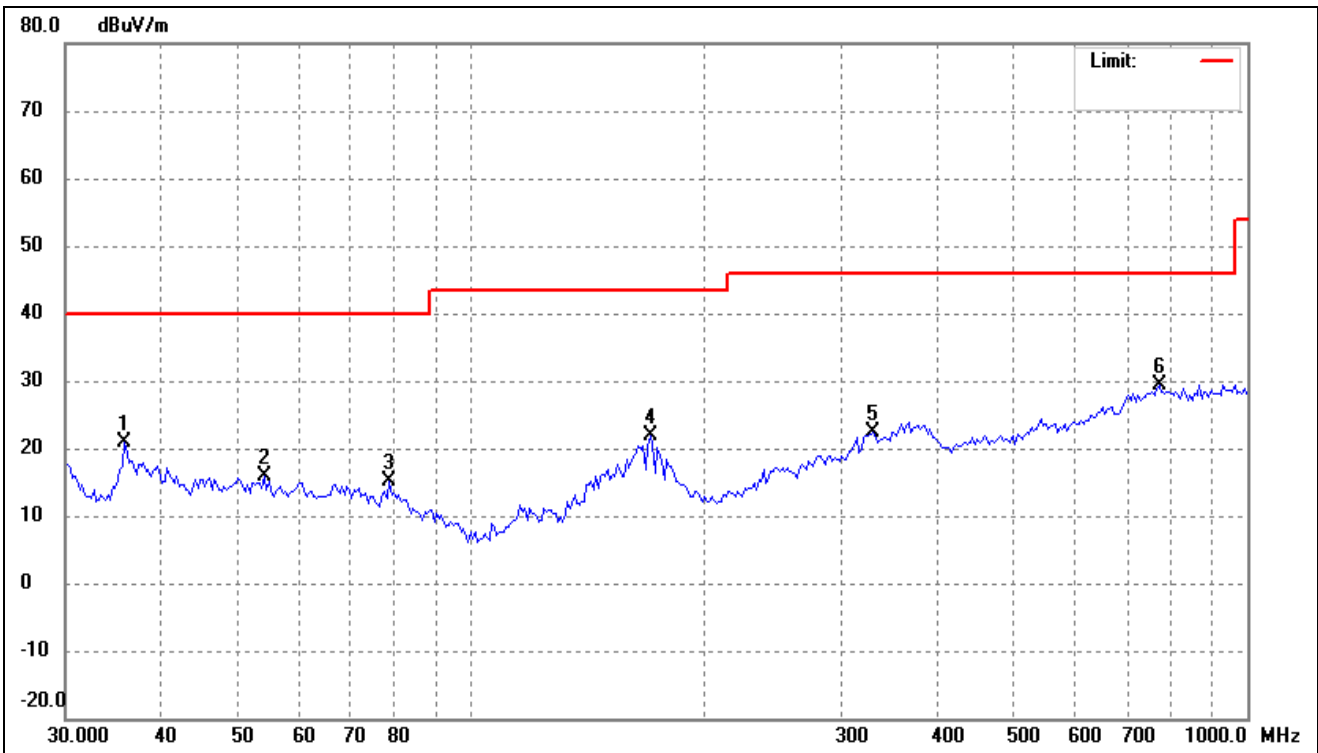
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	35.7617	33.14	-13.39	19.75	40.00	-20.25	-	-	peak
2	69.2297	29.07	-14.63	14.44	40.00	-25.56	-	-	peak
3	151.0252	28.04	-12.61	15.43	43.50	-28.07	-	-	peak
4	166.6385	31.60	-12.79	18.81	43.50	-24.69	-	-	peak
5	355.9397	33.73	-10.96	22.77	46.00	-23.23	-	-	peak
6	651.3831	30.60	-5.30	25.30	46.00	-20.70	-	-	peak

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



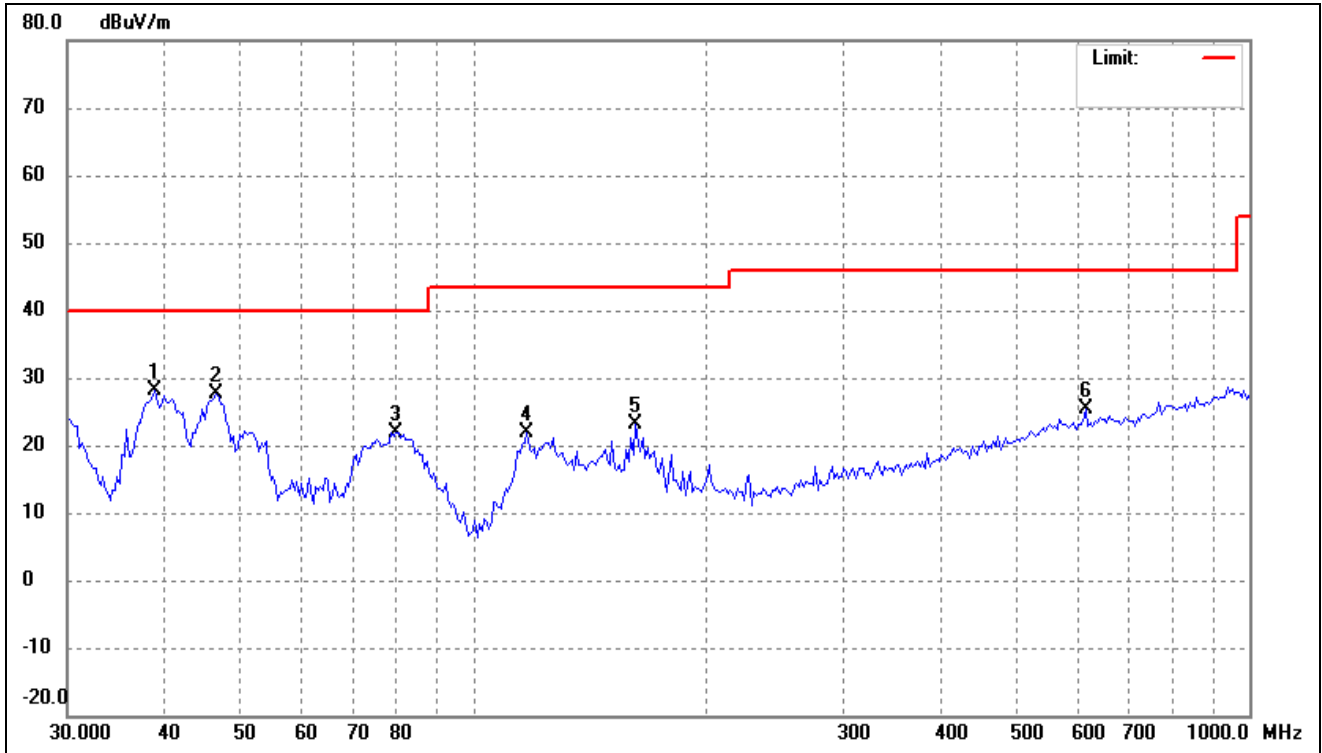
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	38.3651	41.43	-12.83	28.60	40.00	-11.40	-	-	peak
2	46.7077	41.66	-12.34	29.32	40.00	-10.68	-	-	peak
3	79.6764	39.15	-16.88	22.27	40.00	-17.73	-	-	peak
4	124.9249	40.32	-18.19	22.13	43.50	-21.37	-	-	peak
5	165.4716	37.80	-12.76	25.04	43.50	-18.46	-	-	peak
6	300.6988	33.77	-12.24	21.53	46.00	-24.47	-	-	peak

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



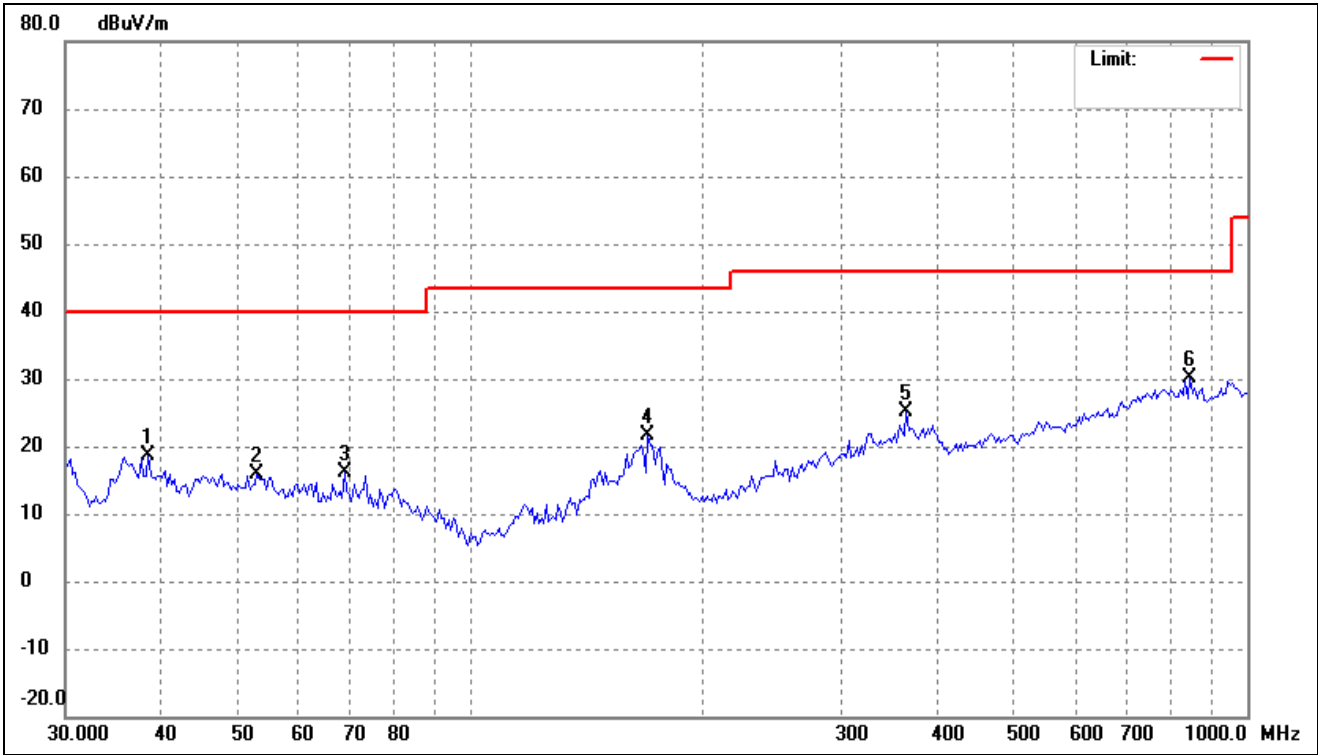
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	35.7617	34.33	-13.39	20.94	40.00	-19.06	-	-	peak
2	54.1349	28.35	-12.54	15.81	40.00	-24.19	-	-	peak
3	78.5645	31.79	-16.64	15.15	40.00	-24.85	-	-	peak
4	170.1888	34.80	-12.91	21.89	43.50	-21.61	-	-	peak
5	329.4625	33.88	-11.47	22.41	46.00	-23.59	-	-	peak
6	771.0475	33.24	-3.97	29.27	46.00	-16.73	-	-	peak

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



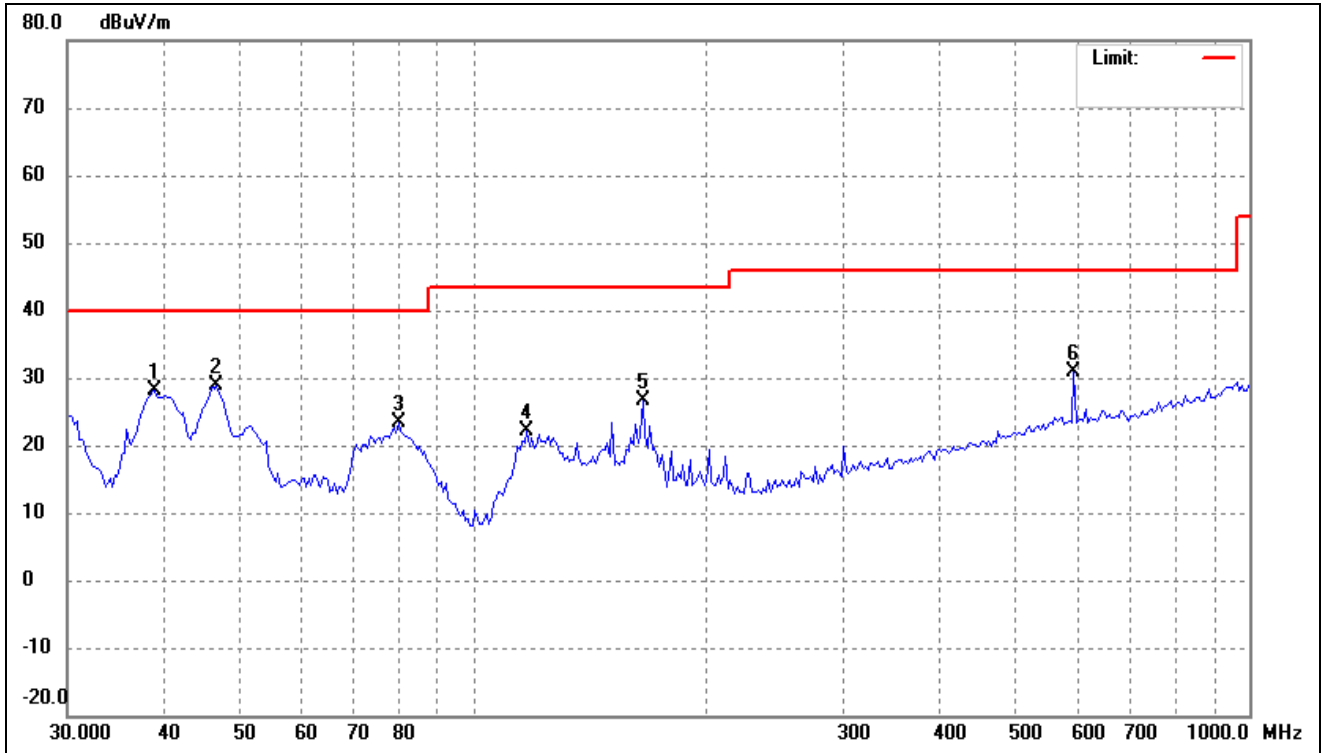
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	38.9081	40.92	-12.72	28.20	40.00	-11.80	-	-	peak
2	46.7077	39.95	-12.34	27.61	40.00	-12.39	-	-	peak
3	79.6764	38.76	-16.88	21.88	40.00	-18.12	-	-	peak
4	117.2688	40.79	-18.82	21.97	43.50	-21.53	-	-	peak
5	162.0197	35.72	-12.66	23.06	43.50	-20.44	-	-	peak
6	615.7743	31.03	-5.53	25.50	46.00	-20.50	-	-	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	38.3651	31.52	-12.83	18.69	40.00	-21.31	-	-	peak
2	53.0056	28.31	-12.41	15.90	40.00	-24.10	-	-	peak
3	68.7450	30.75	-14.54	16.21	40.00	-23.79	-	-	peak
4	168.9970	34.50	-12.85	21.65	43.50	-21.85	-	-	peak
5	363.5231	35.91	-10.76	25.15	46.00	-20.85	-	-	peak
6	844.8028	33.50	-3.33	30.17	46.00	-15.83	-	-	peak

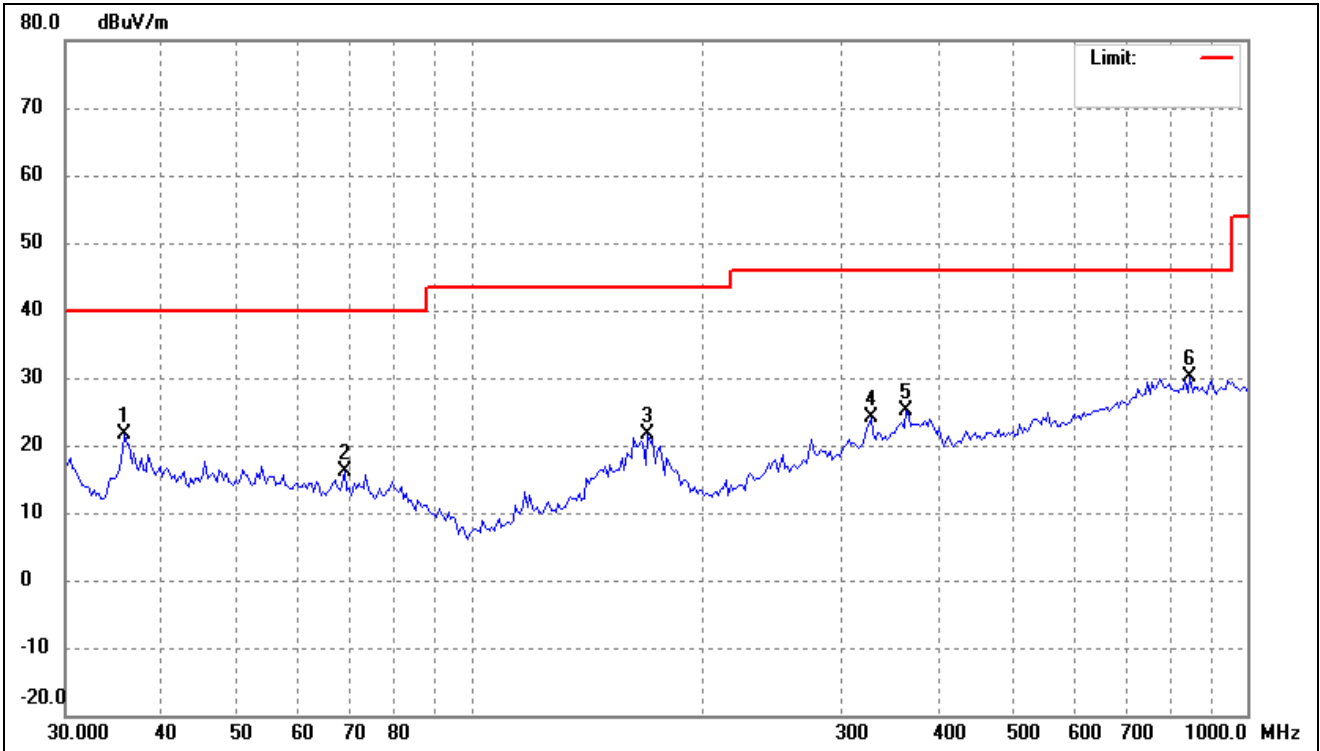
802.11a(Worst case)			
Test Channel	5240MHz	Polarity:	Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	38.9081	40.92	-12.72	28.20	40.00	-11.80	-	-	peak
2	46.7077	41.12	-12.34	28.78	40.00	-11.22	-	-	peak
3	80.2383	40.40	-16.96	23.44	40.00	-16.56	-	-	peak
4	117.2688	40.85	-18.82	22.03	43.50	-21.47	-	-	peak
5	165.4716	39.43	-12.76	26.67	43.50	-16.83	-	-	peak
6	594.5143	36.80	-5.86	30.94	46.00	-15.06	-	-	peak

➤ 5250-5350MHz

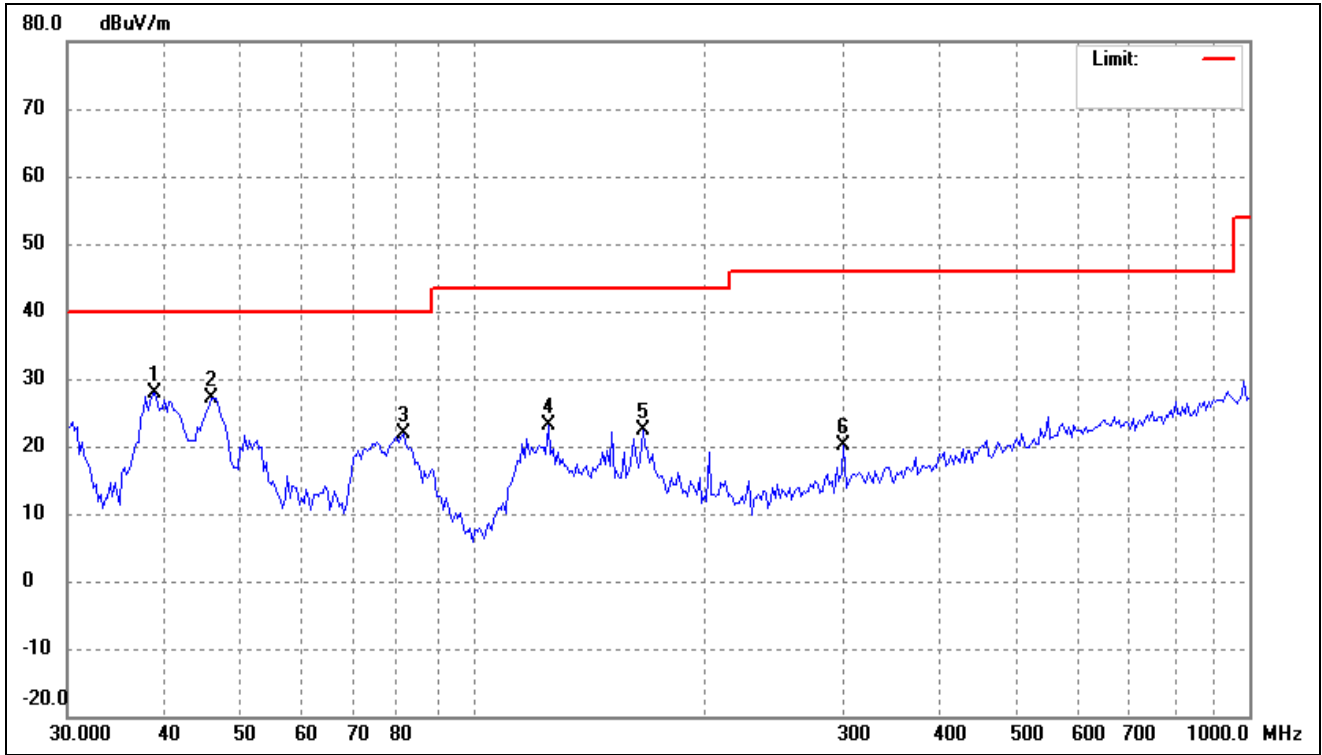
802.11a(Worst case)			
Test Channel	5260MHz	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	35.7617	35.00	-13.39	21.61	40.00	-18.39	-	-	peak
2	68.7450	30.75	-14.54	16.21	40.00	-23.79	-	-	peak
3	168.9970	34.51	-12.85	21.66	43.50	-21.84	-	-	peak
4	327.1554	35.70	-11.51	24.19	46.00	-21.81	-	-	peak
5	363.5231	35.91	-10.76	25.15	46.00	-20.85	-	-	peak
6	844.8028	33.50	-3.33	30.17	46.00	-15.83	-	-	peak

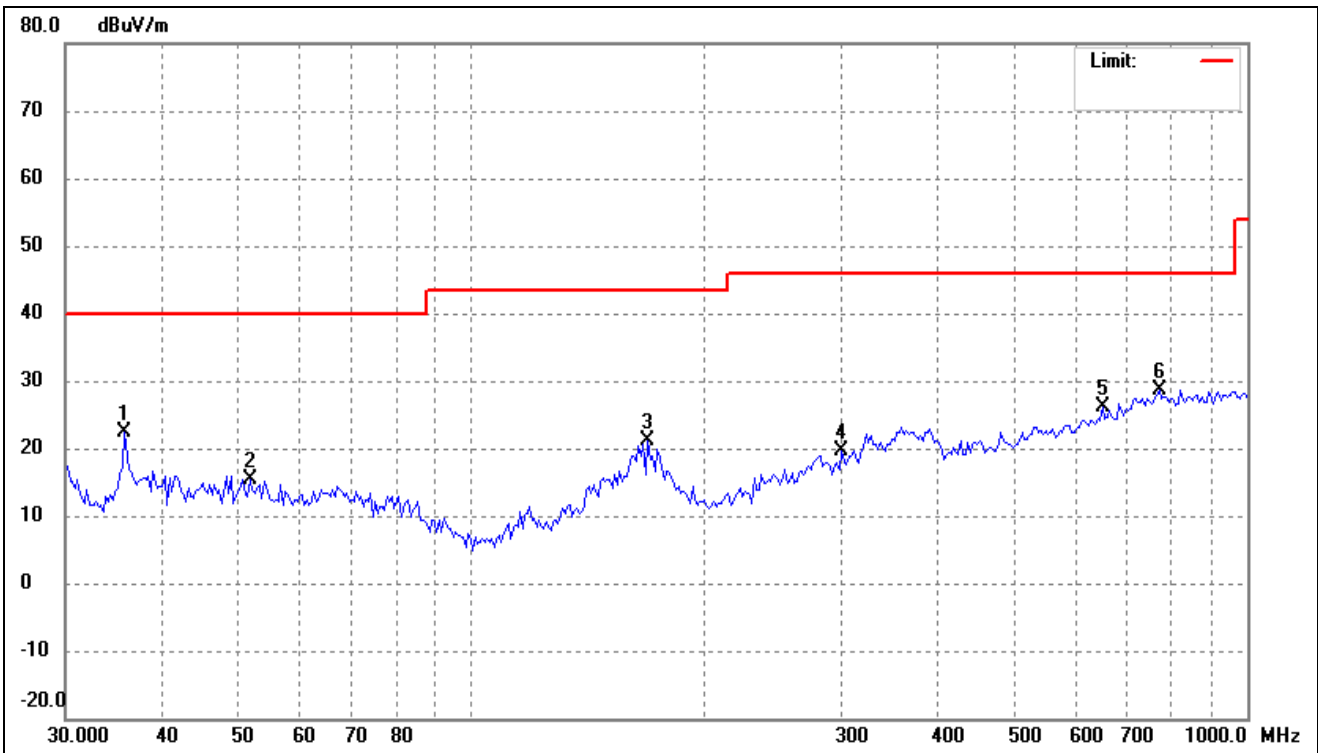


802.11a(worst case)			
Test Channel	5260MHz	Polarity:	Vertical



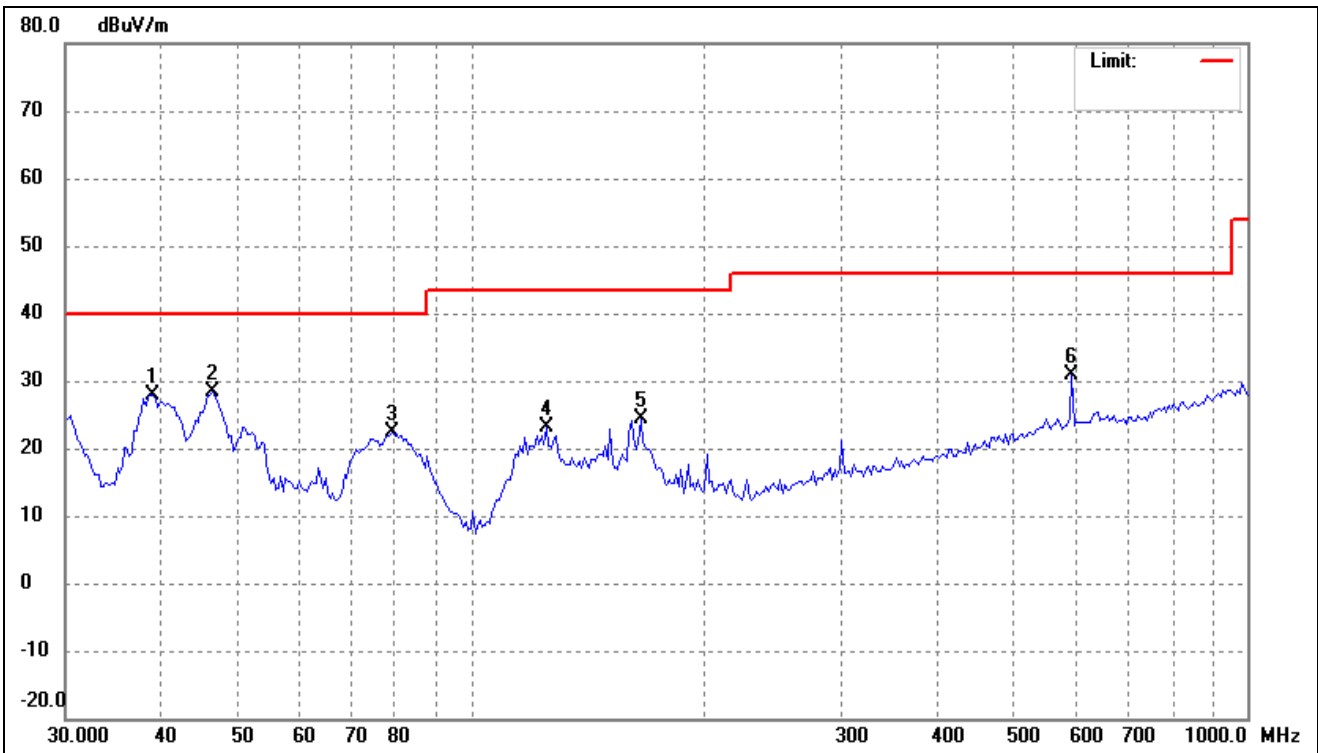
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	38.9081	40.69	-12.72	27.97	40.00	-12.03	-	-	peak
2	46.0558	39.61	-12.38	27.23	40.00	-12.77	-	-	peak
3	81.3740	38.88	-16.97	21.91	40.00	-18.09	-	-	peak
4	124.9249	41.24	-18.19	23.05	43.50	-20.45	-	-	peak
5	165.4716	35.16	-12.76	22.40	43.50	-21.10	-	-	peak
6	300.6988	32.30	-12.24	20.06	46.00	-25.94	-	-	peak

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



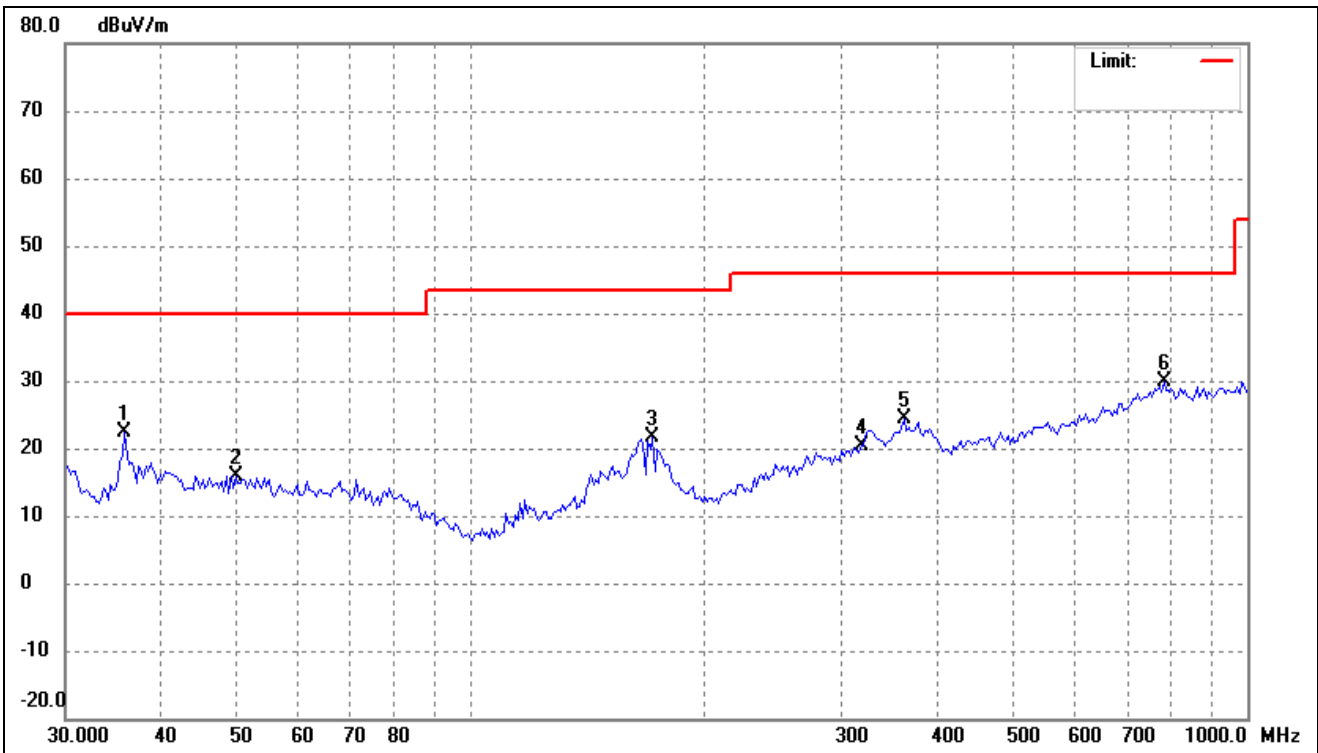
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	35.7617	35.68	-13.39	22.29	40.00	-17.71	-	-	peak
2	51.8999	27.70	-12.29	15.41	40.00	-24.59	-	-	peak
3	168.9970	33.95	-12.85	21.10	43.50	-22.40	-	-	peak
4	300.6988	31.94	-12.24	19.70	46.00	-26.30	-	-	peak
5	651.3831	31.46	-5.30	26.16	46.00	-19.84	-	-	peak
6	771.0475	32.68	-3.97	28.71	46.00	-17.29	-	-	peak

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



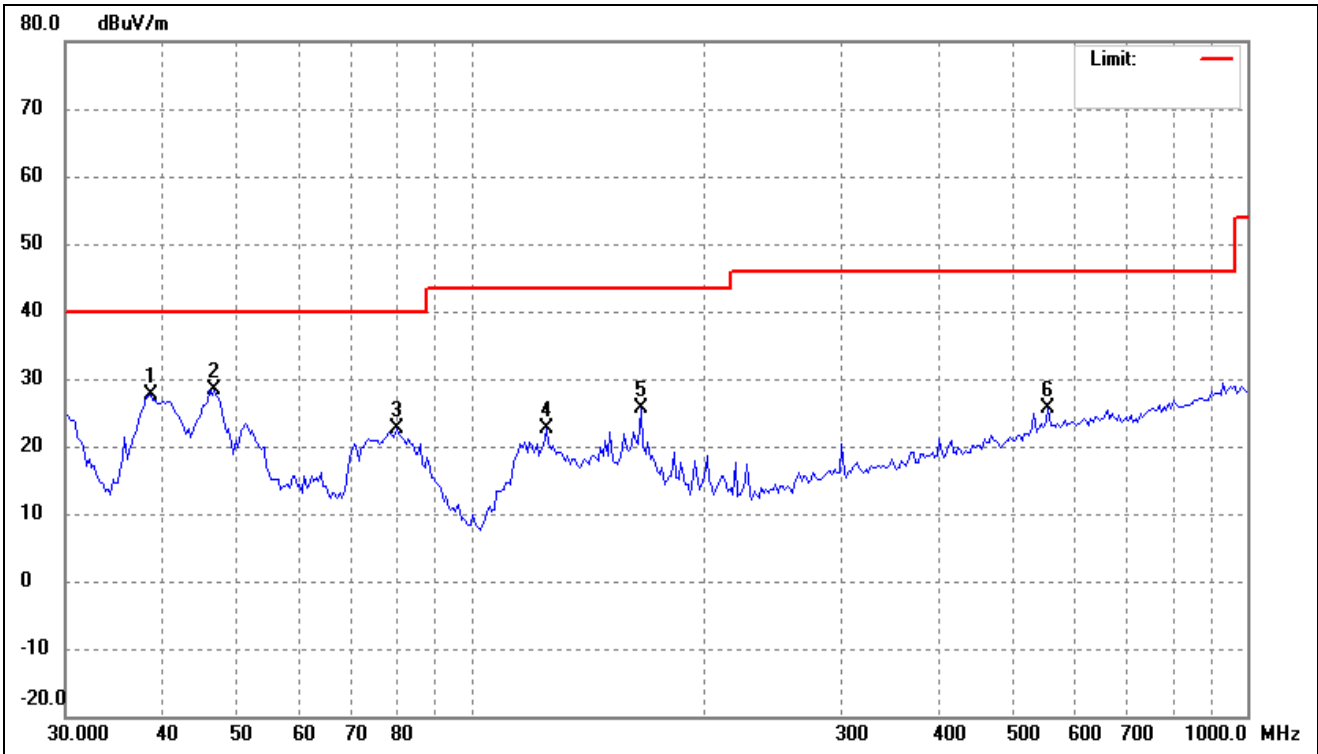
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	38.9081	40.69	-12.72	27.97	40.00	-12.03	-	-	peak
2	46.3806	40.72	-12.37	28.35	40.00	-11.65	-	-	peak
3	79.1185	39.23	-16.77	22.46	40.00	-17.54	-	-	peak
4	124.9249	41.24	-18.19	23.05	43.50	-20.45	-	-	peak
5	165.4716	37.18	-12.76	24.42	43.50	-19.08	-	-	peak
6	594.5143	36.86	-5.86	31.00	46.00	-15.00	-	-	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	35.7617	35.68	-13.39	22.29	40.00	-17.71	-	-	peak
2	49.7571	27.96	-12.09	15.87	40.00	-24.13	-	-	peak
3	171.3890	34.83	-13.08	21.75	43.50	-21.75	-	-	peak
4	318.0875	32.10	-11.75	20.35	46.00	-25.65	-	-	peak
5	360.9775	35.10	-10.83	24.27	46.00	-21.73	-	-	peak
6	781.9606	33.68	-3.87	29.81	46.00	-16.19	-	-	peak

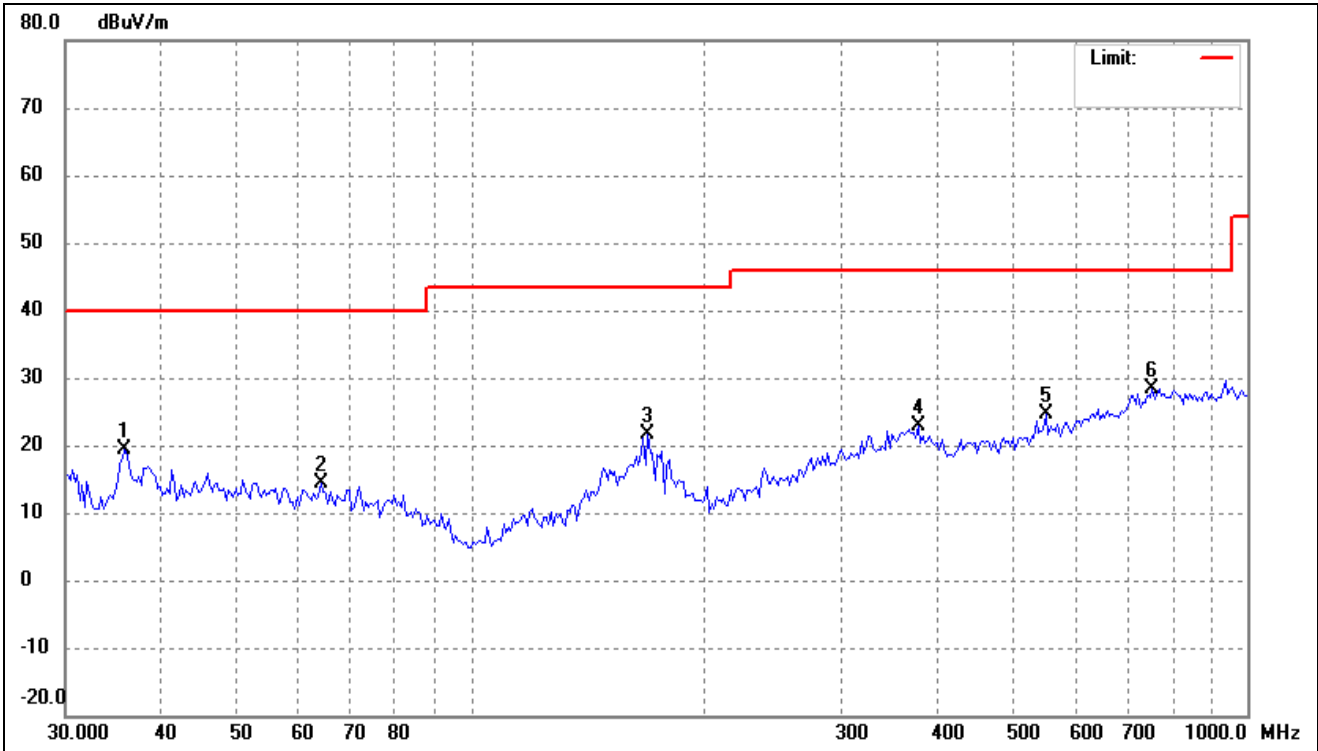
802.11a(worst case)			
Test Channel	5320MHz	Polarity:	Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	38.6357	40.43	-12.78	27.65	40.00	-12.35	-	-	peak
2	46.7077	40.66	-12.34	28.32	40.00	-11.68	-	-	peak
3	80.2383	39.56	-16.96	22.60	40.00	-17.40	-	-	peak
4	124.9249	40.79	-18.19	22.60	43.50	-20.90	-	-	peak
5	165.4716	38.34	-12.76	25.58	43.50	-17.92	-	-	peak
6	554.1708	32.46	-6.75	25.71	46.00	-20.29	-	-	peak

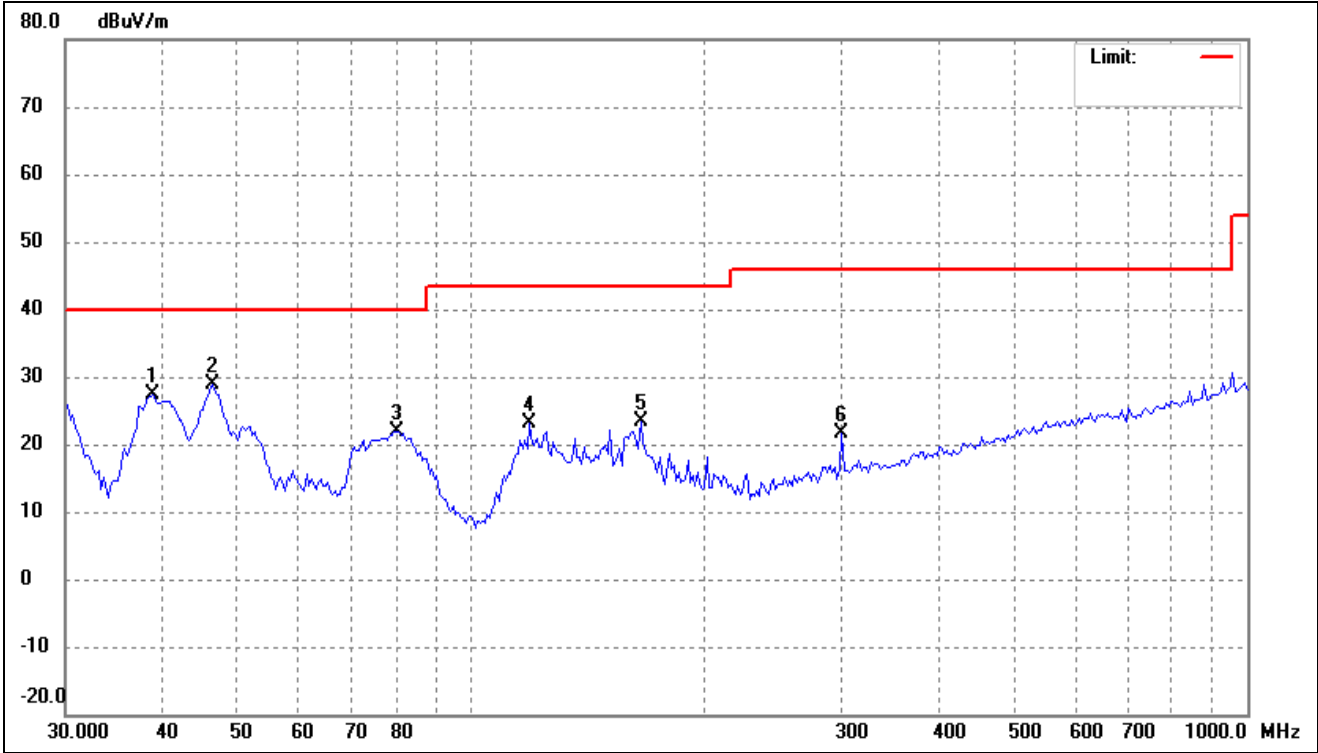
➤ 5470-5725MHz

802.11a(Worst case)			
Test Channel	5500MHz	Polarity:	Horizontal



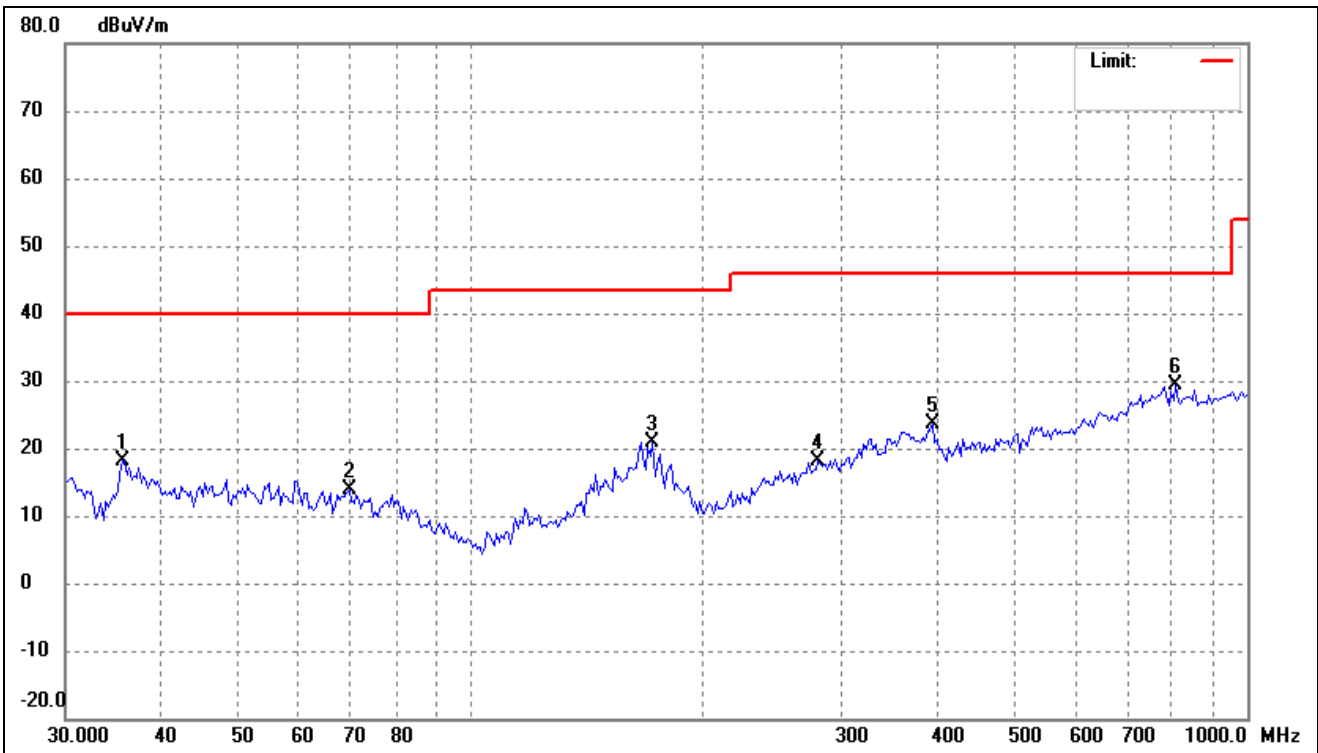
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	35.7617	32.66	-13.39	19.27	40.00	-20.73	-	-	peak
2	64.0800	27.95	-13.68	14.27	40.00	-25.73	-	-	peak
3	168.9970	34.48	-12.85	21.63	43.50	-21.87	-	-	peak
4	376.5228	33.41	-10.44	22.97	46.00	-23.03	-	-	peak
5	550.2902	31.59	-6.84	24.75	46.00	-21.25	-	-	peak
6	754.9628	32.59	-4.12	28.47	46.00	-17.53	-	-	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	38.9081	40.13	-12.72	27.41	40.00	-12.59	-	-	peak
2	46.3806	41.19	-12.37	28.82	40.00	-11.18	-	-	peak
3	80.2383	38.96	-16.96	22.00	40.00	-18.00	-	-	peak
4	118.9285	41.68	-18.64	23.04	43.50	-20.46	-	-	peak
5	165.4716	36.22	-12.76	23.46	43.50	-20.04	-	-	peak
6	300.6988	33.84	-12.24	21.60	46.00	-24.40	-	-	peak

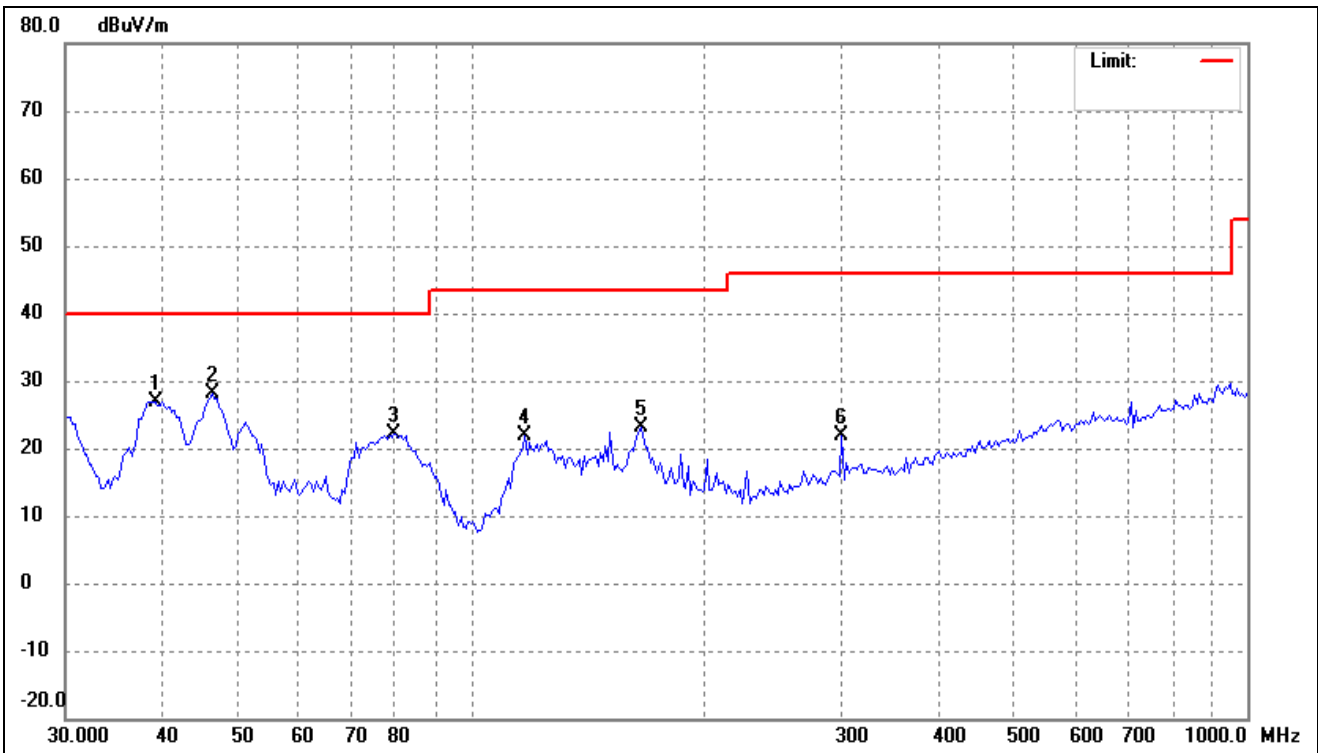
802.11a(worst case)			
Test Channel	5600MHz	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	35.5112	31.66	-13.44	18.22	40.00	-21.78	-	-	peak
2	69.7179	28.50	-14.71	13.79	40.00	-26.21	-	-	peak
3	171.3890	34.00	-13.08	20.92	43.50	-22.58	-	-	peak
4	280.2936	31.07	-12.93	18.14	46.00	-27.86	-	-	peak
5	392.7376	33.74	-10.11	23.63	46.00	-22.37	-	-	peak
6	809.9238	32.95	-3.61	29.34	46.00	-16.66	-	-	peak

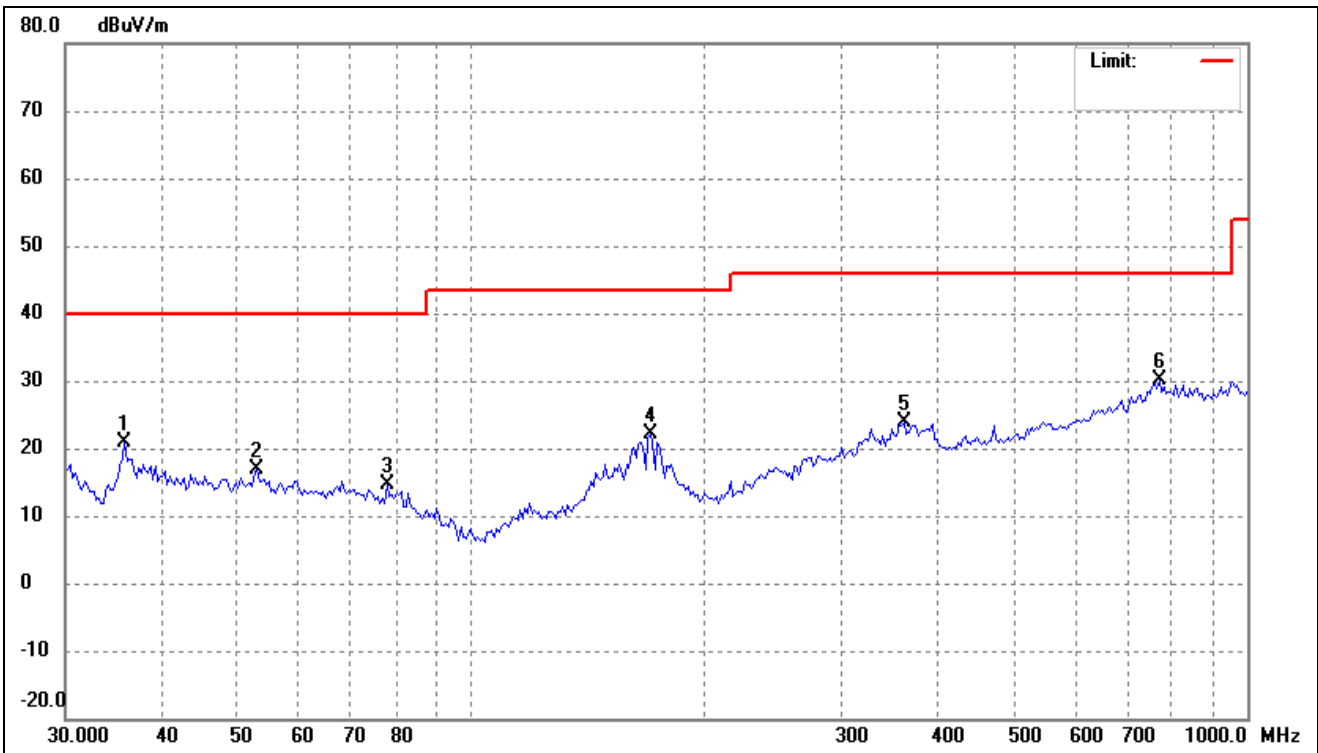


802.11a(worst case)			
Test Channel	5600MHz	Polarity:	Vertical



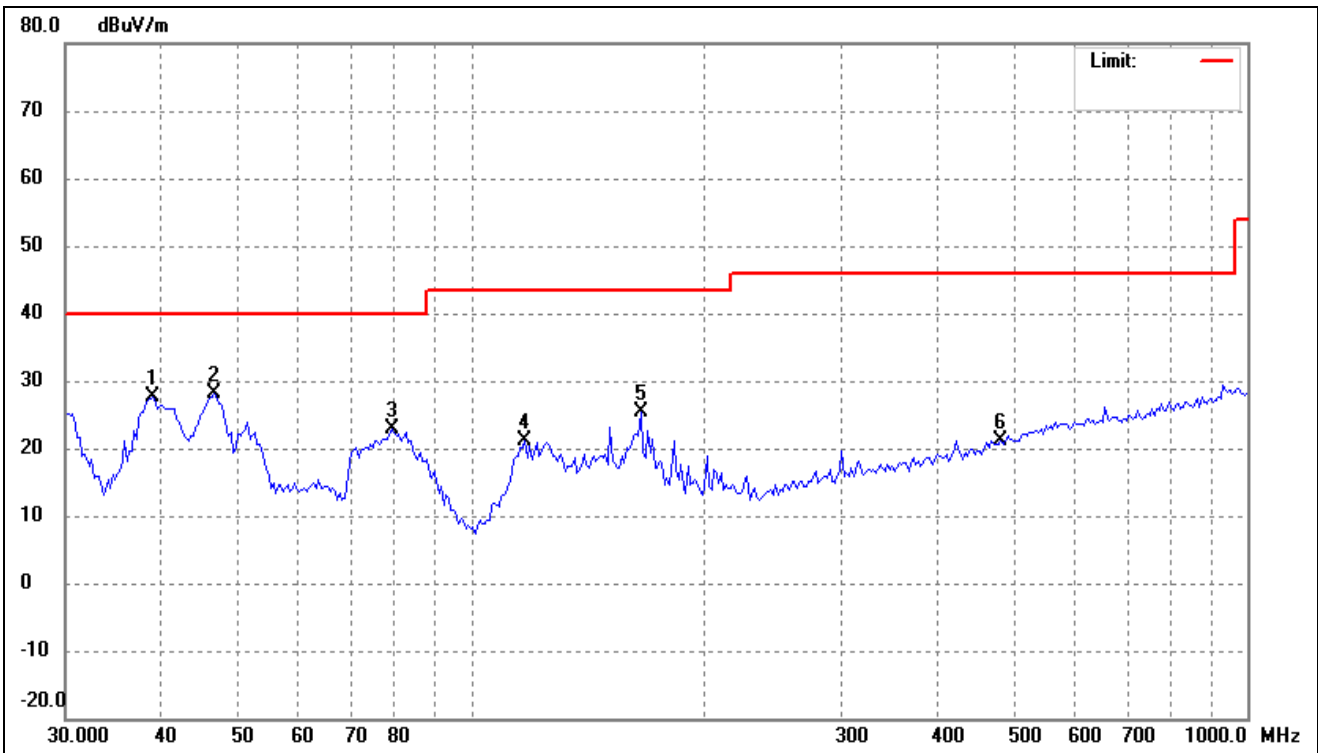
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	39.1825	39.65	-12.65	27.00	40.00	-13.00	-	-	peak
2	46.3806	40.56	-12.37	28.19	40.00	-11.81	-	-	peak
3	79.6764	39.12	-16.88	22.24	40.00	-17.76	-	-	peak
4	117.2688	40.75	-18.82	21.93	43.50	-21.57	-	-	peak
5	165.4716	35.86	-12.76	23.10	43.50	-20.40	-	-	peak
6	300.6988	34.00	-12.24	21.76	46.00	-24.24	-	-	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	35.7617	34.37	-13.39	20.98	40.00	-19.02	-	-	peak
2	53.0056	29.22	-12.41	16.81	40.00	-23.19	-	-	peak
3	78.0143	31.08	-16.53	14.55	40.00	-25.45	-	-	peak
4	170.1888	35.05	-12.91	22.14	43.50	-21.36	-	-	peak
5	360.9775	34.78	-10.83	23.95	46.00	-22.05	-	-	peak
6	771.0475	34.05	-3.97	30.08	46.00	-15.92	-	-	peak

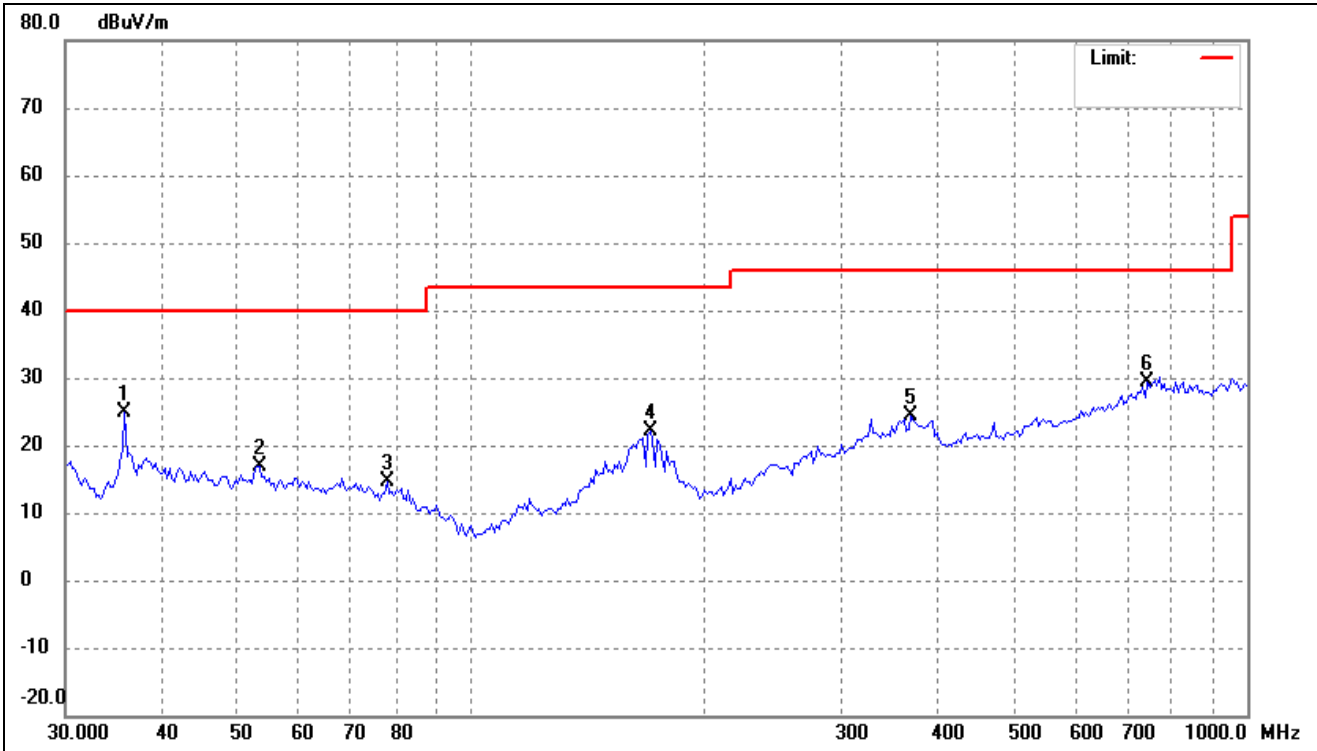
802.11a(worst case)			
Test Channel	5700MHz	Polarity:	Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	38.9081	40.41	-12.72	27.69	40.00	-12.31	-	-	peak
2	46.7077	40.45	-12.34	28.11	40.00	-11.89	-	-	peak
3	79.1185	39.60	-16.77	22.83	40.00	-17.17	-	-	peak
4	117.2688	39.99	-18.82	21.17	43.50	-22.33	-	-	peak
5	165.4716	38.11	-12.76	25.35	43.50	-18.15	-	-	peak
6	481.5112	29.29	-8.15	21.14	46.00	-24.86	-	-	peak

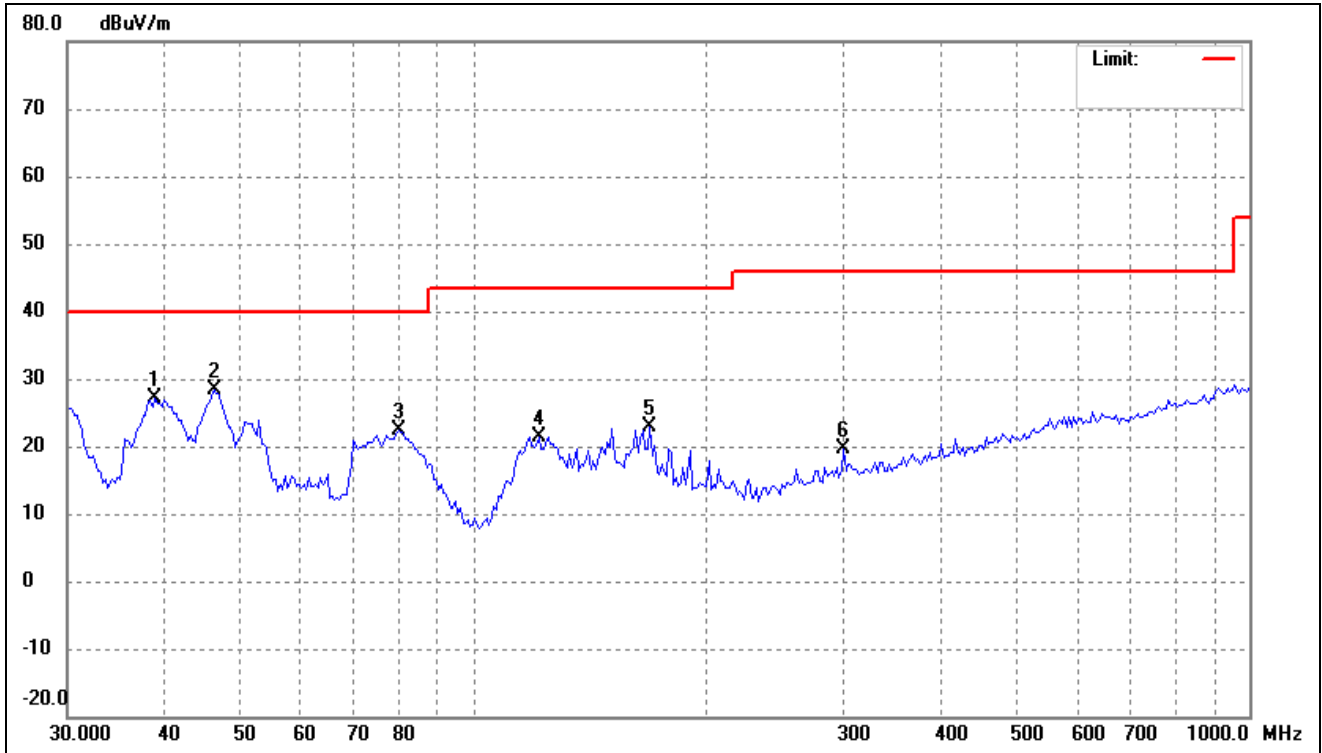
➤ 5725-5850MHz

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



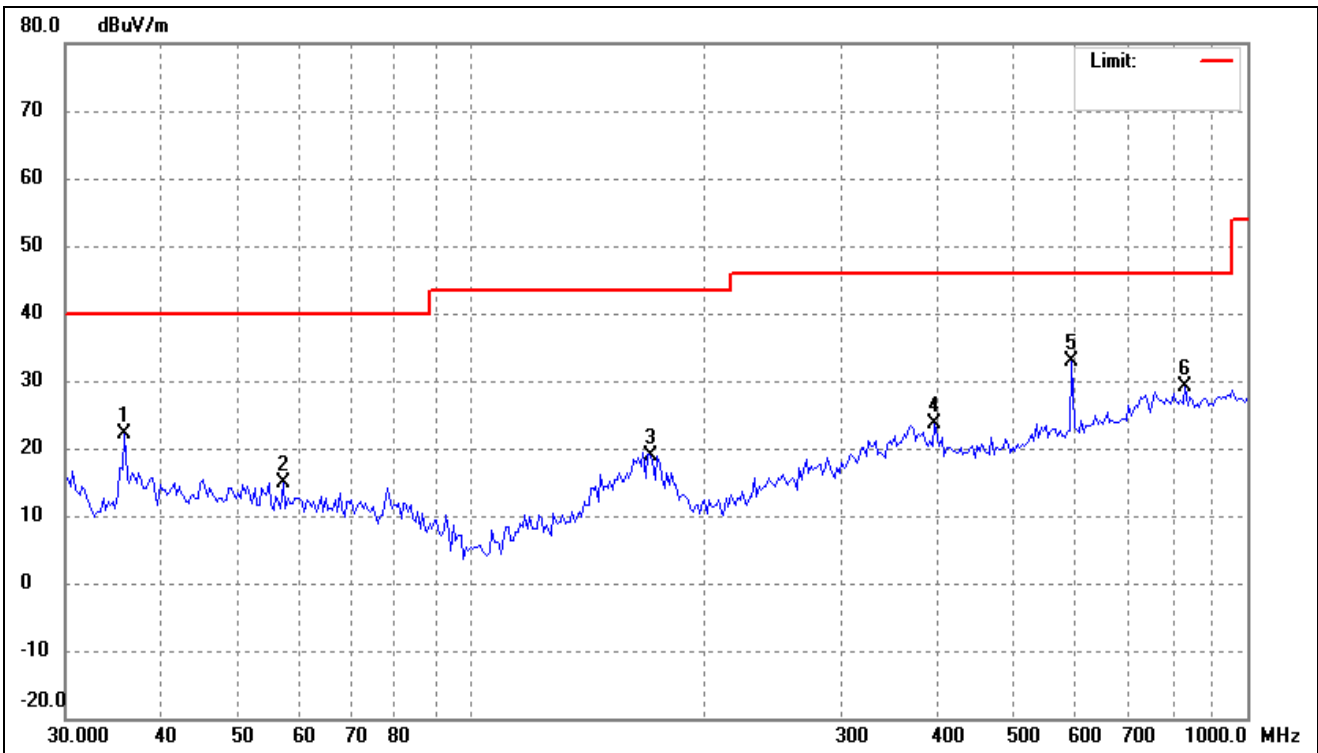
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	35.7617	38.19	-13.39	24.80	40.00	-15.20	-	-	peak
2	53.3794	29.29	-12.45	16.84	40.00	-23.16	-	-	peak
3	78.0143	31.08	-16.53	14.55	40.00	-25.45	-	-	peak
4	170.1888	35.05	-12.91	22.14	43.50	-21.36	-	-	peak
5	368.6682	34.92	-10.63	24.29	46.00	-21.71	-	-	peak
6	744.4265	33.73	-4.27	29.46	46.00	-16.54	-	-	peak

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



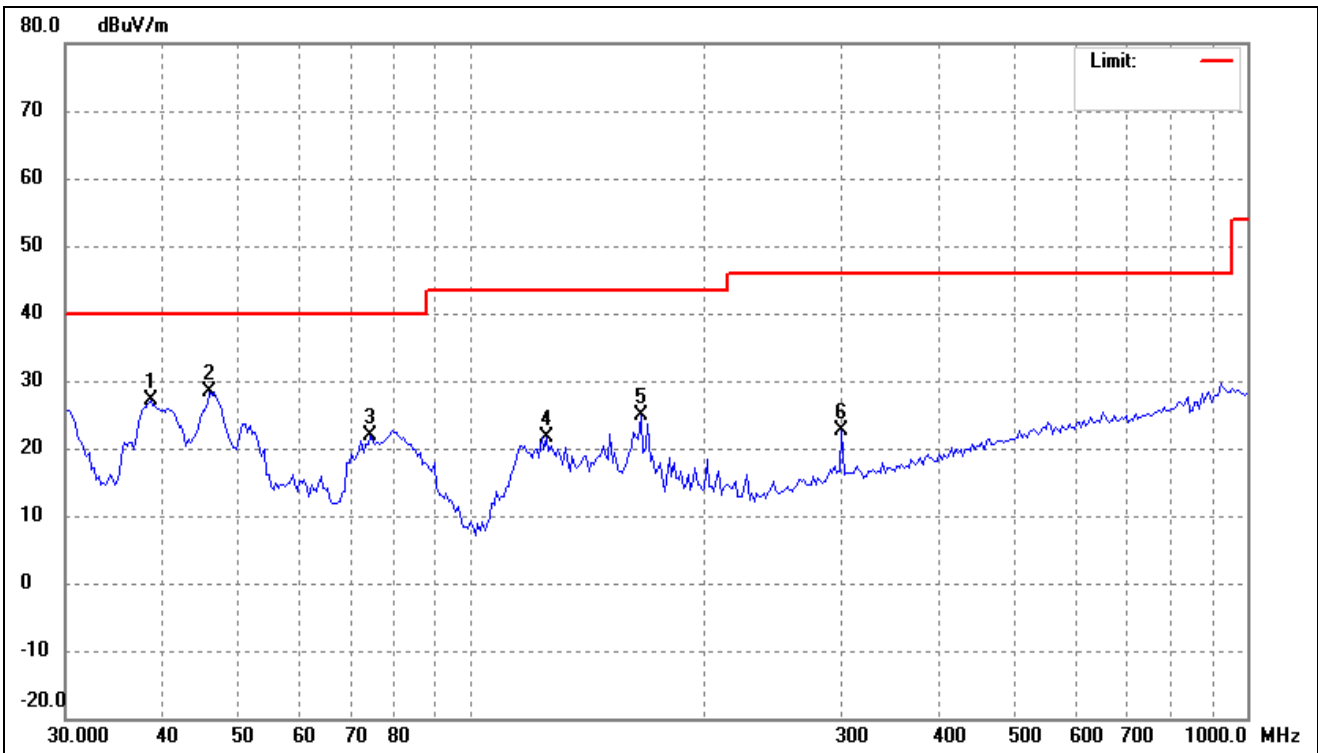
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	38.9081	39.82	-12.72	27.10	40.00	-12.90	-	-	peak
2	46.3806	40.63	-12.37	28.26	40.00	-11.74	-	-	peak
3	80.2383	39.28	-16.96	22.32	40.00	-17.68	-	-	peak
4	121.4623	39.92	-18.43	21.49	43.50	-22.01	-	-	peak
5	168.9970	35.66	-12.85	22.81	43.50	-20.69	-	-	peak
6	300.6988	31.87	-12.24	19.63	46.00	-26.37	-	-	peak

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



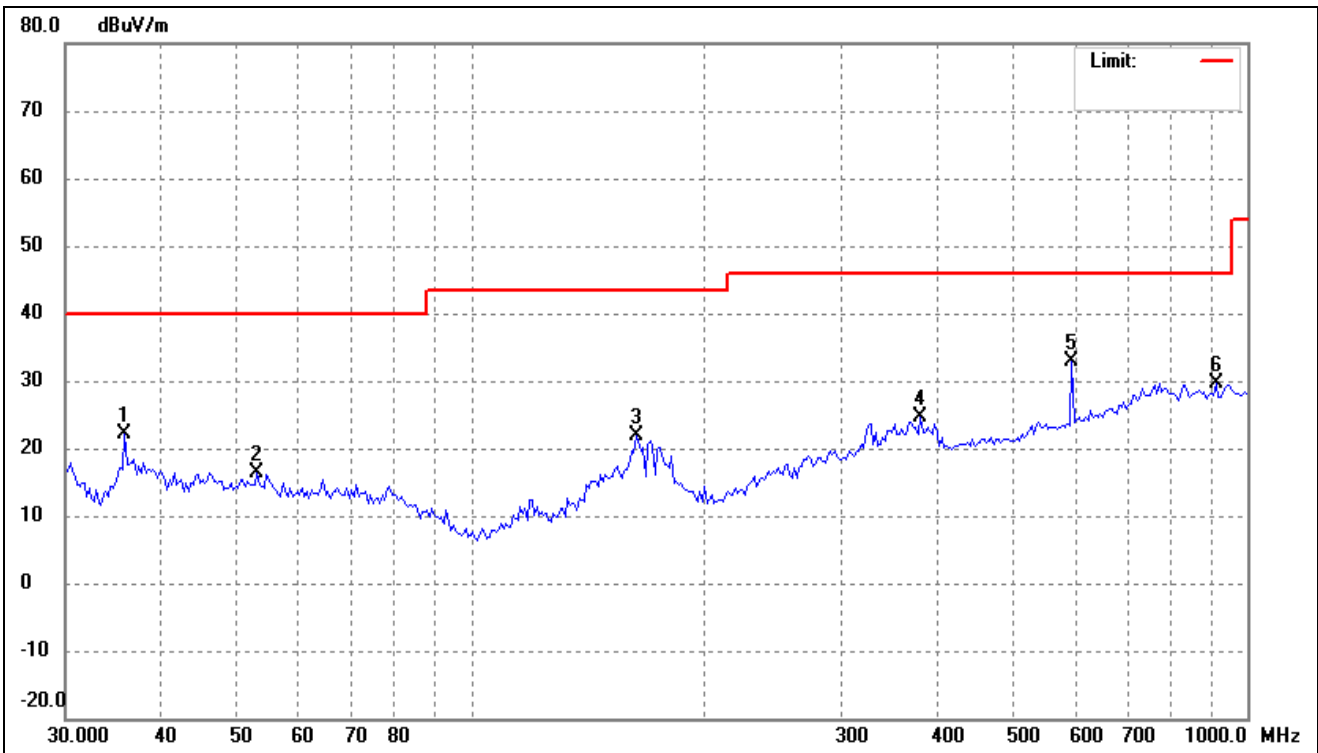
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	35.7617	35.42	-13.39	22.03	40.00	-17.97	-	-	peak
2	57.2654	27.67	-12.77	14.90	40.00	-25.10	-	-	peak
3	170.1888	31.86	-12.91	18.95	43.50	-24.55	-	-	peak
4	395.5071	33.68	-10.05	23.63	46.00	-22.37	-	-	peak
5	594.5143	38.76	-5.86	32.90	46.00	-13.10	-	-	peak
6	833.0127	32.66	-3.43	29.23	46.00	-16.77	-	-	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	38.6357	39.98	-12.78	27.20	40.00	-12.80	-	-	peak
2	46.0558	40.76	-12.38	28.38	40.00	-11.62	-	-	peak
3	74.2696	37.54	-15.70	21.84	40.00	-18.16	-	-	peak
4	124.9249	39.76	-18.19	21.57	43.50	-21.93	-	-	peak
5	165.4716	37.76	-12.76	25.00	43.50	-18.50	-	-	peak
6	300.6988	34.93	-12.24	22.69	46.00	-23.31	-	-	peak

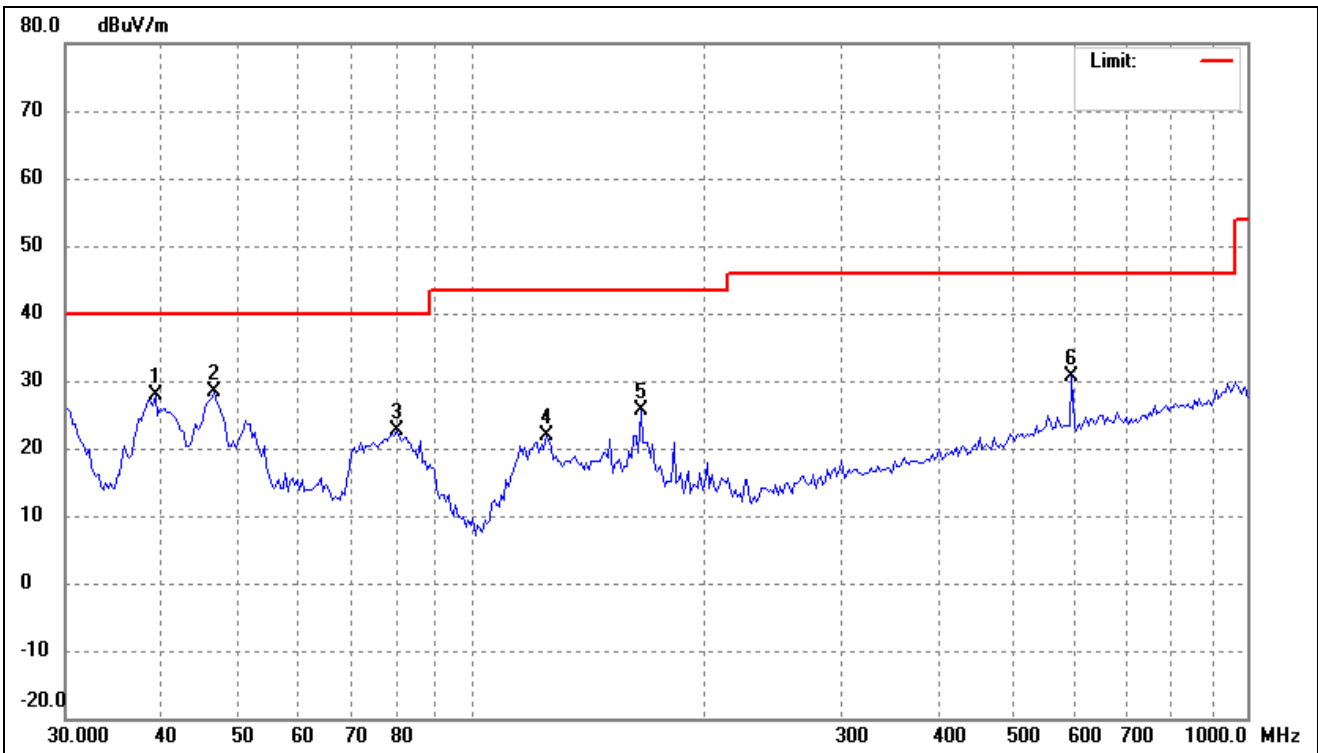
802.11a(worst case)			
Test Channel	5825MHz	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	35.7617	35.42	-13.39	22.03	40.00	-17.97	-	-	peak
2	53.0056	28.83	-12.41	16.42	40.00	-23.58	-	-	peak
3	163.1623	34.49	-12.70	21.79	43.50	-21.71	-	-	peak
4	379.1780	35.03	-10.38	24.65	46.00	-21.35	-	-	peak
5	594.5143	38.76	-5.86	32.90	46.00	-13.10	-	-	peak
6	912.6953	32.34	-2.60	29.74	46.00	-16.26	-	-	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	39.1825	40.62	-12.65	27.97	40.00	-12.03	-	-	peak
2	46.7077	40.77	-12.34	28.43	40.00	-11.57	-	-	peak
3	80.2383	39.51	-16.96	22.55	40.00	-17.45	-	-	peak
4	124.9249	40.14	-18.19	21.95	43.50	-21.55	-	-	peak
5	165.4716	38.30	-12.76	25.54	43.50	-17.96	-	-	peak
6	594.5143	36.53	-5.86	30.67	46.00	-15.33	-	-	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.

## APPENDIX PHOTOGRAPHS

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Please refer to "ANNEX"

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