

FCC &ISED Radio Test Report**FCC ID: 2AC23-WCT1L**
IC:12290A-WCT1L**The report concerns: Original Grant**

Report Reference No. : 21EFSS05093 04751
Date Sample(s) Received : 2021-05-28
Date of Tested : 2021-05-28 to 2021-06-15
Date of issue : 2021-06-15
Testing Laboratory : DongGuanShuoXin Electronic Technology Co., Ltd.
Address : Zone A, 1F, No. 6, XinGang Road YuanGang Street,
XinAn District, ChangAn Town, DongGuan City,
GuangDong, China

Applicant's name : Hui Zhou Gaoshengda Technology Co., LTD
Address : NO.75 Zhongkai Development Area, Huizhou,
Guangdong,China
Manufacturer : Hui Zhou Gaoshengda Technology Co., LTD

Equipment : WIFI+BT Module
Trade Mark : GSD
Model : WCT1LR2701
Ratings : I/P: DC 3.3V

Test Engineer:



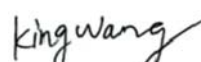
Blue Qiu

Responsible Engineer :



Smile Wang

Authorized Signatory:



King Wang

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1 TEST REPORT DECLARE

Applicant	Hui Zhou Gaoshengda Technology Co., LTD
Address	NO.75 Zhongkai Development Area, Huizhou, Guangdong, China
Manufacturer	Hui Zhou Gaoshengda Technology Co., LTD
Address	NO.75 Zhongkai Development Area, Huizhou, Guangdong, China
Factory	Hui Zhou Gaoshengda Technology Co., LTD
Address	NO.75 Zhongkai Development Area, Huizhou, Guangdong, China
Equipment	WIFI+BT Module
Model No.	WCT1LR2701
Trade Mark	GSD
Standard	FCC Part15, Subpart E(15.407) RSS-247 Issue 2, Feb. 2017 RSS-Gen Issue 5, Apr. 2018 ANSI C63.10-2013 FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01

We Declare:

The equipment described above is tested by DongGuan ShuoXin Electronic Technology Co., Ltd(ATT). and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and DongGuan ShuoXin Electronic Technology Co., Ltd.(ATT) is assumed of full responsibility for the accuracy and completeness of these tests.

ATT is not responsible for the sampling stage, so the results only apply to the sample as received.

ATT's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. ATT shall have no liability for any declarations, inferences or generalizations drawn by the client or others from ATT issued reports.

2 SUMMARY OF TEST RESULTS

The EUT have been tested according to the applicable standards as referenced below:

Standard(s) Section		Test Item	Judgment	Remark
FCC	IC			
15.207 15.407(b)	RSS-GEN 8.8	AC Power Line Conducted Emissions	PASS	-----
15.407(b) 15.205(a) 15.209(a)	RSS-247 6.2.1.2 RSS-247 6.2.4.2 RSS-GEN 8.9 RSS-GEN 8.10	Radiated Emissions	PASS	-----
15.407(a) 15.407(e)	RSS-247 6.2.1.1 RSS-247 6.2.2.1 RSS-247 6.2.3.1 RSS-247 6.2.4.1 RSS-GEN 6.7	Spectrum Bandwidth	PASS	-----
15.407(a)	RSS-247 6.2.1.1 RSS-247 6.2.2.1 RSS-247 6.2.3.1 RSS-247 6.2.4.1	Maximum Output Power	PASS	-----
15.407(a)	RSS-247 6.2.1.1 RSS-247 6.2.2.1 RSS-247 6.2.3.1 RSS-247 6.2.4.1	Power Spectral Density	PASS	-----
15.407(g)	RSS-GEN 6.11	Frequency Stability	PASS	-----
15.203	RSS-247 6.4(a)	Antenna Requirements	PASS	Note(4)
15.407(c)	RSS-GEN 8.8	Automatically Discontinue Transmission	PASS	Note(2)

Note:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) During no any information transmission, 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.
- (3) For UNII-1 this device was functioned as a
☐ Access point device ☒ Client device
- (4) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.

2.1 MEASUREMENT UNCERTAINTY

Test Item	Uncertainty
Uncertainty for Conduction emission test (9kHz-150kHz)	3.7 dB
Uncertainty for Conduction emission test (150kHz-30MHz)	3.3 dB
Uncertainty for Radiation Emission test (30MHz-200MHz)	4.60 dB (Polarize: V)
	4.60 dB (Polarize: H)
Uncertainty for Radiation Emission test (200MHz-1GHz)	6.10 dB (Polarize: V)
	5.08 dB (Polarize: H)
Uncertainty for Radiation Emission test (1GHz-6GHz)	5.01 dB (Polarize: V)
	5.01 dB (Polarize: H)
Uncertainty for Radiation Emission test (6GHz-18GHz)	5.26 dB (Polarize: V)
	5.26 dB (Polarize: H)
Uncertainty for Radiation Emission test (18GHz-40GHz)	5.06 dB (Polarize: V)
	5.06 dB (Polarize: H)
Uncertainty for radio frequency	$\pm 0.048\text{kHz}$
Uncertainty for conducted RF Power	$\pm 0.32\text{dB}$

Note:

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

Test Facility:

The Test site used by DongGuan ShuoXin Electronic Technology Co., Ltd. to collect test data is located on the Zone A, 1F, No. 6, XinGang Road YuanGang Street, XinAn District, ChangAn Town, DongGuan City, GuangDong, China

The test facility is recognized, certified, or accredited by the following organizations:

Item	Registration No.	Expiration Date
CNAS	L3098	2024-08-27
A2LA	4893.01	2022-06-30
Innovation, Science and Economic Development Canada (ISED)	11033A	2022-06-30
Federal Communications Commission (FCC)	171688 Designation No.:CN1235	2022-06-30

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	WIFI+BT Module	
Brand Name	GSD	
Test Model	WCT1LR2701	
Series Model	N/A	
Model Difference(s)	N/A	
Hardware Version	V1.0	
Software Version	V1.0	
Power Source	Supplied from USB.	
Power Rating	DC 3.3V	
Operation Frequency Bands	UNII-1: 5150 MHz~5250 MHz UNII-2A: 5250MHz~5350 MHz UNII-2C:5470 MHz~5725 MHz UNII-3: 5725 MHz~5850 MHz	
Modulation Type	OFDM	
Bit Rate of Transmitter	Up to 866.6Mbps	
Operating Mode	IEEE 802.11a: 1TX(Ant 1 or Ant 2) IEEE 802.11n (HT20): 2TX(Ant 1+Ant 2) IEEE 802.11n (HT40): 2TX(Ant 1+Ant 2) IEEE 802.11ac (VHT20): 2TX(Ant 1+Ant 2) IEEE 802.11ac (VHT40): 2TX(Ant 1+Ant 2) IEEE 802.11ac (VHT80): 2TX(Ant 1+Ant 2)	
Antenna Information	Antenna Type: PIFA	Maximum Peak Gain:3dBi
Maximum Output Power for UNII-1 For FCC	IEEE 802.11a: 14.82dBm (0.0303W) IEEE 802.11n (HT20): 16.61dBm (0.0458 W) IEEE 802.11n (HT40): 16.82dBm (0.0481 W) IEEE 802.11ac (VHT20): 15.59dBm (0.0362 W) IEEE 802.11ac (VHT40): 15.88dBm (0.0387 W) IEEE 802.11ac (VHT80): 15.78dBm (0.0378 W)	
Maximum EIRP Output Power for UNII-1 For IC	IEEE 802.11a: 17.82dBm (0.0605W) IEEE 802.11n (HT20): 22.62dBm (0.1824 W) IEEE 802.11n (HT40): 22.83dBm (0.1914 W) IEEE 802.11ac (VHT20): 21.60dBm (0.1442 W) IEEE 802.11ac (VHT40): 21.89dBm (0.1542 W) IEEE 802.11ac (VHT80): 21.79dBm (0.1507 W)	
Maximum Output Power for UNII-2A UNII-2C	IEEE 802.11a: 14.99dBm (0.0316W) IEEE 802.11n (HT20): 17.52dBm (0.0565 W) IEEE 802.11n (HT40): 17.57dBm (0.0572 W) IEEE 802.11ac (VHT20): 15.74dBm (0.0375 W) IEEE 802.11ac (VHT40): 15.85dBm (0.0384 W) IEEE 802.11ac (VHT80): 15.80dBm (0.0380 W)	
Maximum Output Power for UNII-3	IEEE 802.11a: 14.65dBm (0.0292 W) IEEE 802.11n (HT20): 17.56dBm (0.0570 W) IEEE 802.11n (HT40): 17.69dBm (0.0587 W) IEEE 802.11ac (VHT20): 15.80dBm (0.0380 W) IEEE 802.11ac (VHT40): 15.83dBm (0.0383 W) IEEE 802.11ac (VHT80): 15.70dBm (0.0372 W)	

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2. Channel List:

IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20)		IEEE 802.11n (HT40) IEEE 802.11ac (VHT40)		IEEE 802.11ac (VHT80)	
UNII-1		UNII-1		UNII-1	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20)		IEEE 802.11n (HT40) IEEE 802.11ac (VHT40)		IEEE 802.11ac (VHT80)	
UNII-2A		UNII-2A		UNII-2A	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270	58	5290
56	5280	62	5310		
60	5300				
64	5320				

IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20)		IEEE 802.11n (HT40) IEEE 802.11ac (VHT40)		IEEE 802.11ac (VHT80)	
UNII-2C		UNII-2C		UNII-2C	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510	106	5530
104	5520	110	5550	122	5610
108	5540	118	5590		
112	5560	126	5630		
116	5580	134	5670		
120	5600				
124	5620				
128	5640				
132	5660				
136	5680				
140	5700				

IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20)		IEEE 802.11n (HT40) IEEE 802.11ac (VHT40)		IEEE 802.11ac (VHT80)	
UNII-3		UNII-3		UNII-3	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795		
157	5785				
161	5805				
165	5825				

3. It is not open 5600MHz-5650MHz for Canada. And all test data in the 5600MHz-5650MHz range is FCC only

3.2 TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

Pretest Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX N (HT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX N (HT40) Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC (VHT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 5	TX AC (VHT40) Mode / CH38, CH46 (UNII-1)
Mode 6	TX AC (VHT80) Mode / CH42 (UNII-1)
Mode 7	TX A Mode / CH52, CH60, CH64 (UNII-2A)
Mode 8	TX N (HT20) Mode / CH52, CH60, CH64 (UNII-2A)
Mode 9	TX N (HT40) Mode / CH54, CH62 (UNII-2A)
Mode 10	TX AC (VHT20) Mode / CH52, CH60, CH64 (UNII-2A)
Mode 11	TX AC (VHT40) Mode / CH54, CH62 (UNII-2A)
Mode 12	TX AC (VHT80) Mode / CH58 (UNII-2A)
Mode 13	TX A Mode / CH100, CH120, CH140 (UNII-2C)
Mode 14	TX N (HT20) Mode / CH100, CH120, CH140 (UNII-2C)
Mode 15	TX N (HT40) Mode/CH102, CH110, CH134(UNII-2C)
Mode 16	TX AC (VHT20) Mode / CH100, CH120, CH140 (UNII-2C)
Mode 17	TX AC (VHT40) Mode/CH102, CH110, CH134(UNII-2C)
Mode 18	TX AC (VHT80) Mode / CH106, CH122 (UNII-2C)
Mode 19	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 20	TX N (HT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 21	TX N (HT40) Mode / CH151,CH159 (UNII-3)
Mode 22	TX AC (VHT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 23	TX AC (VHT40) Mode / CH151,CH159 (UNII-3)
Mode 24	TX AC (VHT80) Mode / CH155 (UNII-3)
Mode 25	TX N(HT40) Mode / CH159 (UNII-3)

Following mode(s) as (were) found to be the worst case(s) and selected for the final test.

AC power line conducted emissions test	
Final Test Mode	Description
Mode 13	TX N(HT40) Mode / CH159 (UNII-3)

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 13	TX N(HT40) Mode / CH159 (UNII-3)

Radiated emissions test - Above 1GHz	
Final Test Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX N (HT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX N (HT40) Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC (VHT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 5	TX AC (VHT40) Mode / CH38, CH46 (UNII-1)
Mode 6	TX AC (VHT80) Mode / CH42 (UNII-1)
Mode 7	TX A Mode / CH52, CH60, CH64 (UNII-2A)
Mode 8	TX N (HT20) Mode / CH52, CH60, CH64 (UNII-2A)
Mode 9	TX N (HT40) Mode / CH54, CH62 (UNII-2A)
Mode 10	TX AC (VHT20) Mode / CH52, CH60, CH64 (UNII-2A)
Mode 11	TX AC (VHT40) Mode / CH54, CH62 (UNII-2A)
Mode 12	TX AC (VHT80) Mode / CH58 (UNII-2A)
Mode 13	TX A Mode / CH100, CH120, CH140 (UNII-2C)
Mode 14	TX N (HT20) Mode / CH100, CH120, CH140 (UNII-2C)
Mode 15	TX N (HT40) Mode/CH102, CH110, CH134(UNII-2C)
Mode 16	TX AC (VHT20) Mode / CH100, CH120, CH140 (UNII-2C)
Mode 17	TX AC (VHT40) Mode/CH102, CH110, CH134(UNII-2C)
Mode 18	TX AC (VHT80) Mode / CH106, CH122 (UNII-2C)
Mode 19	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 20	TX N (HT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 21	TX N (HT40) Mode / CH151,CH159 (UNII-3)
Mode 22	TX AC (VHT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 23	TX AC (VHT40) Mode / CH151,CH159 (UNII-3)
Mode 24	TX AC (VHT80) Mode / CH155 (UNII-3)

Conducted test	
Final Test Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX N (HT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX N (HT40) Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC (VHT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 5	TX AC (VHT40) Mode / CH38, CH46 (UNII-1)
Mode 6	TX AC (VHT80) Mode / CH42 (UNII-1)
Mode 7	TX A Mode / CH52, CH60, CH64 (UNII-2A)
Mode 8	TX N (HT20) Mode / CH52, CH60, CH64 (UNII-2A)
Mode 9	TX N (HT40) Mode / CH54, CH62 (UNII-2A)
Mode 10	TX AC (VHT20) Mode / CH52, CH60, CH64 (UNII-2A)
Mode 11	TX AC (VHT40) Mode / CH54, CH62 (UNII-2A)
Mode 12	TX AC (VHT80) Mode / CH58 (UNII-2A)
Mode 13	TX A Mode / CH100, CH120, CH140 (UNII-2C)
Mode 14	TX N (HT20) Mode / CH100, CH120, CH140 (UNII-2C)
Mode 15	TX N (HT40) Mode/CH102, CH110, CH134(UNII-2C)
Mode 16	TX AC (VHT20) Mode / CH100, CH120, CH140 (UNII-2C)
Mode 17	TX AC (VHT40) Mode/CH102, CH110, CH134(UNII-2C)
Mode 18	TX AC (VHT80) Mode / CH106, CH122 (UNII-2C)
Mode 19	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 20	TX N (HT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 21	TX N (HT40) Mode / CH151,CH159 (UNII-3)
Mode 22	TX AC (VHT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 23	TX AC (VHT40) Mode / CH151,CH159 (UNII-3)
Mode 24	TX AC (VHT80) Mode / CH155 (UNII-3)

Note:

- (1) For radiated emission below 1 GHz and AC power line conducted emissions test, the IEEE 802.11n40channel 38is found to be the worst case and recorded.

3.3PARAMETERS OF TEST SOFTWARE

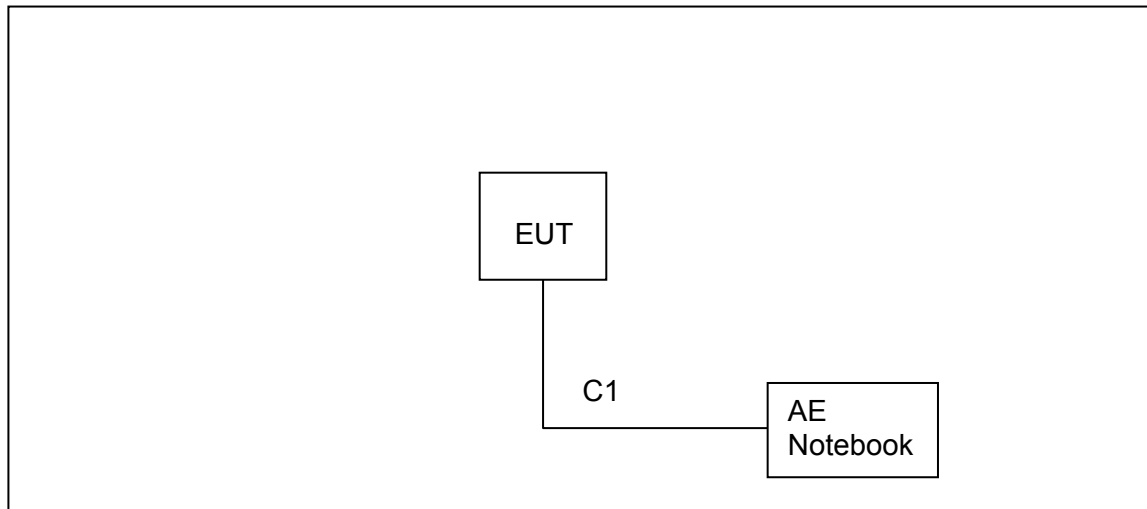
UNII-1			
Test Software	Realtek 11ac 8822B PCIE WLAN MP		
Test Frequency (MHz)	5180	5200	5240
IEEE 802.11a	83/74	83/74	83/74
IEEE 802.11n (HT20)	82/73	82/73	82/73
IEEE 802.11ac (VHT20)	81/71	81/71	81/71
Test Frequency (MHz)	5190	5230	
IEEE 802.11n (HT40)	78/73	78/73	
IEEE 802.11ac (VHT40)	79/76	79/76	
Test Frequency (MHz)	5210		
IEEE 802.11ac (VHT80)	80/71		

UNII-2A			
Test Software	Realtek 11ac 8822B PCIE WLAN MP		
Test Frequency (MHz)	5260	5300	5320
IEEE 802.11a	83/75	83/75	83/75
IEEE 802.11n (HT20)	88/79	88/79	88/79
IEEE 802.11ac (VHT20)	81/71	81/71	81/71
Test Frequency (MHz)	5270	5310	
IEEE 802.11n (HT40)	80/77	80/77	
IEEE 802.11ac (VHT40)	79/76	82/75	
Test Frequency (MHz)	5290		
IEEE 802.11ac (VHT80)	81/71		

UNII-2C			
Test Software	Realtek 11ac 8822B PCIE WLAN MP		
Test Frequency (MHz)	5500	5600	5700
IEEE 802.11a	83/72	83/72	83/72
IEEE 802.11n (HT20)	83/72	83/74	83/75
IEEE 802.11ac (VHT20)	81/71	81/71	81/71
Test Frequency (MHz)	5510	5550	5670
IEEE 802.11n (HT40)	80/77	80/77	80/77
IEEE 802.11ac (VHT40)	80/73	80/73	79/71
Test Frequency (MHz)	5530	5610	
IEEE 802.11ac (VHT80)	80/70	80/70	

UNII-3			
Test Software	Realtek 11ac 8822B PCIE WLAN MP		
Test Frequency (MHz)	5745	5785	5825
IEEE 802.11a	83/76	83/76	83/75
IEEE 802.11n (HT20)	88/79	88/79	88/79
IEEE 802.11ac (VHT20)	81/71	81/71	81/71
Test Frequency (MHz)	5755	5795	
IEEE 802.11n (HT40)	80/77	80/77	
IEEE 802.11ac (VHT40)	80/73	80/73	
Test Frequency (MHz)	5775		
IEEE 802.11ac (VHT80)	80/70		

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
AE	Notebook	ACER	MS2367	32807810766

Item	Cable Type	Shielded Type	Ferrite Core	Length
C1	DC Cable	NO	NO	1m

3.6 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage
AC Power Line Conducted Emissions	25°C	53%	DC 3.3V
Radiated Emissions-9K-30MHz	25°C	60%	DC 3.3V
Radiated Emissions-30 MHz to 1GHz	24°C	68%	DC 3.3V
Radiated Emissions-Above 1000 MHz	24°C	68%	DC 3.3V
Spectrum Bandwidth	25.3°C	44.8%	DC 3.3V
Maximum Output Power	25.3°C	44.8%	DC 3.3V
Power Spectral Density	25.3°C	44.8%	DC 3.3V
Frequency Stability	Normal, Extreme	44.8%	Normal, Extreme

3.7DUTY CYCLE

All tests were performed under the condition of 100% Duty Cycle

NOTE:

For IEEE 802.11a, IEEE 802.11n (HT20) and IEEE 802.11ac (VHT20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz (Duty cycle < 98%).

For IEEE 802.11n (HT40) and IEEE 802.11ac (VHT40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2 kHz (Duty cycle < 98%).

For IEEE 802.11ac (VHT80):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 kHz (Duty cycle < 98%).

4.AC POWER LINE CONDUCTED EMISSIONS TEST

4.1LIMIT

Frequency (MHz)	Limit (dBμV)	
	Quasi-peak	Average
0.15 - 0.50	66 to 56*	56 to 46*
0.50 - 5.0	56	46
5.0 - 30.0	60	50

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameter	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 KHz

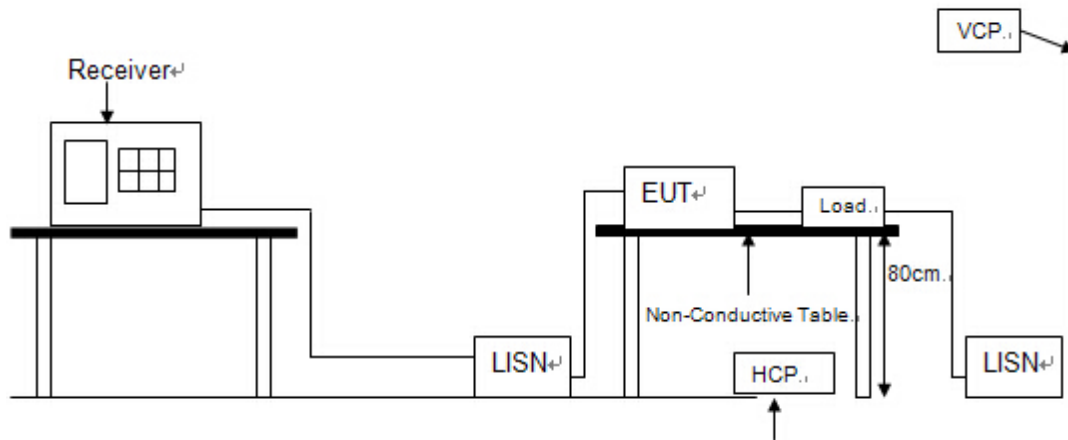
4.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.

4.3MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Pulse Limiter	MTS-systemtec hnik	MTS-IMP-136	261115-010-0024	12/11/2021
2	EMI Test Receiver	R&S	ESCI	101308	12/12/2021
3	LISN	AFJ	LS16	16011103219	06/09/2022
4	LISN	Schwarzbeck	NSLK 8127	8127-432	12/11/2021
5	Measurement Software	Farad	EZ-EMC (Ver.ATT-03A)	N/A	N/A

4.4 TEST SETUP



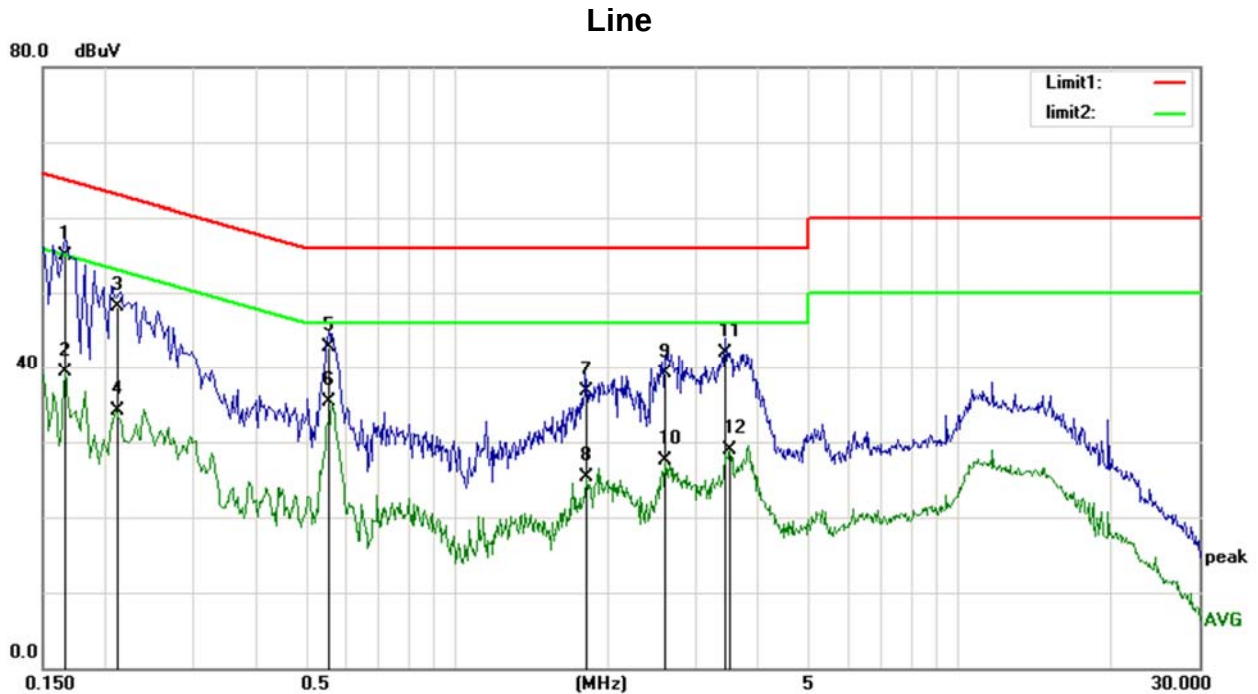
4.5 EUT OPERATION CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

The EUT was programmed to be in continuously transmitting/TX mode.

4.6 TEST RESULTS

Test Mode: TX N(HT40) Mode / CH159 (UNII-3)



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1660	43.52	11.42	54.94	65.15	-10.21	QP
2	0.1660	27.91	11.42	39.33	55.15	-15.82	AVG
3	0.2100	37.01	11.13	48.14	63.20	-15.06	QP
4	0.2100	22.88	11.13	34.01	53.20	-19.19	AVG
5	0.5580	32.44	10.27	42.71	56.00	-13.29	QP
6	0.5580	25.03	10.27	35.30	46.00	-10.70	AVG
7	1.8180	26.46	10.22	36.68	56.00	-19.32	QP
8	1.8180	15.14	10.22	25.36	46.00	-20.64	AVG
9	2.6020	28.83	10.22	39.05	56.00	-16.95	QP
10	2.6020	17.19	10.22	27.41	46.00	-18.59	AVG
11	3.4340	31.76	10.23	41.99	56.00	-14.01	QP
12	3.4940	18.71	10.23	28.94	46.00	-17.06	AVG

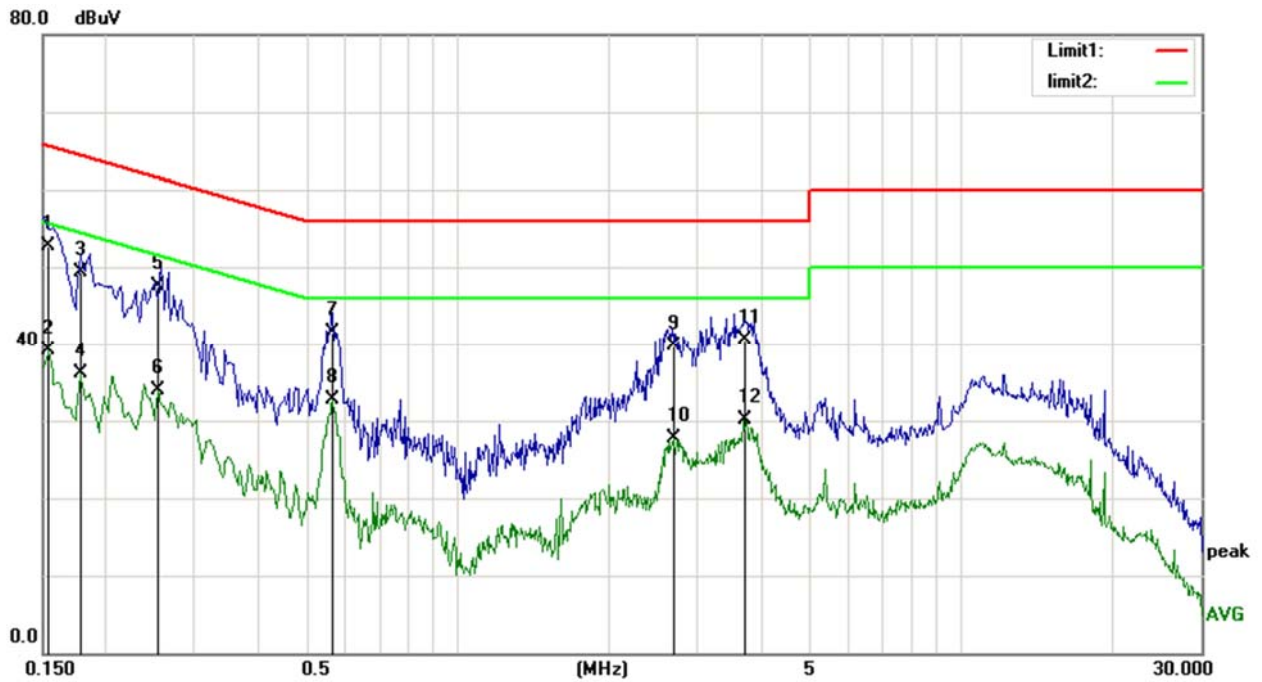
REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX N(HT40) Mode / CH159 (UNII-3)

Neutral



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1539	41.28	11.50	52.78	65.78	-13.00	QP
2	0.1539	27.61	11.50	39.11	55.78	-16.67	AVG
3	0.1780	38.01	11.34	49.35	64.57	-15.22	QP
4	0.1780	24.72	11.34	36.06	54.57	-18.51	AVG
5	0.2540	36.59	10.83	47.42	61.62	-14.20	QP
6	0.2540	22.98	10.83	33.81	51.62	-17.81	AVG
7	0.5660	31.32	10.27	41.59	56.00	-14.41	QP
8	0.5660	22.35	10.27	32.62	46.00	-13.38	AVG
9	2.6860	29.44	10.22	39.66	56.00	-16.34	QP
10	2.6860	17.41	10.22	27.63	46.00	-18.37	AVG
11	3.7020	30.28	10.23	40.51	56.00	-15.49	QP
12	3.7020	19.85	10.23	30.08	46.00	-15.92	AVG

Remarks:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

5. RADIATED EMISSIONSTEST

5.1LIMIT

In case the emission fall within the restricted band specified on 15.205(a)&RSS-Gen 8.10, then the 15.209(a)&RSS-Gen 8.9 limit in the table below has to be followed.

LIMITS OF RADIATED EMISSIONS MEASUREMENT (9 kHz to 1000MHz)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

Frequency (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dBμV/m)
5150-5250	-27	68.3
5250-5350	-27	68.3
5470-5725	-27	68.3
5725-5850	-27 Note(2)	68.3
	10 Note(2)	105.3
	15.6 Note(2)	110.9
	27 Note(2)	122.3

Note:

(1) The following formula is used to convert the equipment isotropic radiated power (eirp) to field

strength: $E = \frac{1000000\sqrt{30P}}{3}$ μV/m, where P is the eirp (Watts)

(2) According to 15.407(b)(4)(i), all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below theband edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above orbelow the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27dBm/MHz at the band edge.

(3) Radiation larger than 26.5GHz is background, so the following data only measures the maximum 26.5GHz

(4) Duty Cycle compensation less than 98% has been compensated in the test software prior to the implementation of the test

5.2 TEST PROCEDURE

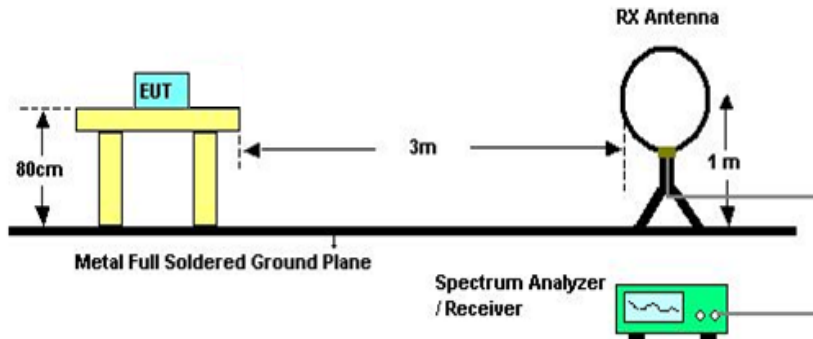
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- i. The test result is calculated as the following:
 - (1) Result = Reading + Correct Factor
 - (2) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
 - (3) Margin = Result - Limit

5.3 MEASUREMENT INSTRUMENTS LIST

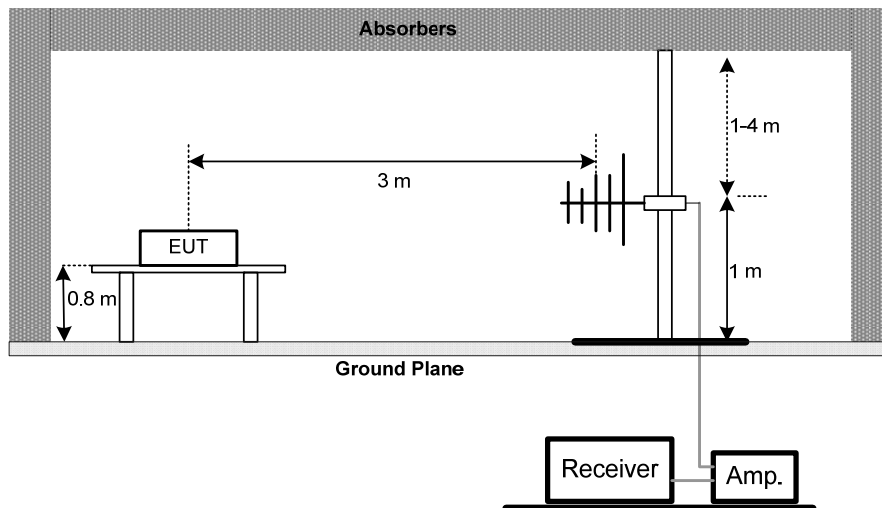
Item	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	EMI Test Receiver	R&S	ESCI	101307	12/12/2021
2	Spectrum Analyzer	Agilent	E4407B	US40240708	11/17/2021
3	Spectrum Analyzer	R&S	FSP	1164.4391.38	06/01/2022
4	Loop antenna	SCHWARZBECK	FMZB1519	1519-062	12/14/2021
5	Broadband antenna	SCHWARZBECK	VULB9168	VULB9168-192	08/06/2021
6	HORN ANTENNA	SCHWARZBECK	BBHA9120D	9120D 1065	04/21/2022
7	DRG Horn Antenna	A.H. Systems	SAS-574	588	06/01/2022
8	Preamplifier Amplifier	HP	8447F	3113A05680	12/11/2021
9	Preamplifier Amplifier	Aeroflex	33711-392-77150-11	97	06/01/2022
10	PRE-AMPLIFIER	CY	EMC011830	980136	12/11/2021
11	RF Cable	R&S	Test Cable 4	4	12/11/2021
12	RF Cable	R&S	Test Cable 5	5	12/11/2021
13	RF Cable	R&S	Test Cable 9	9	04/21/2022
14	RF Cable	R&S	Test Cable 10	10	12/11/2021
15	Measurement Software	Farad	EZ-EMC (Ver.ATT-03A)	N/A	N/A

5.4 TEST SETUP

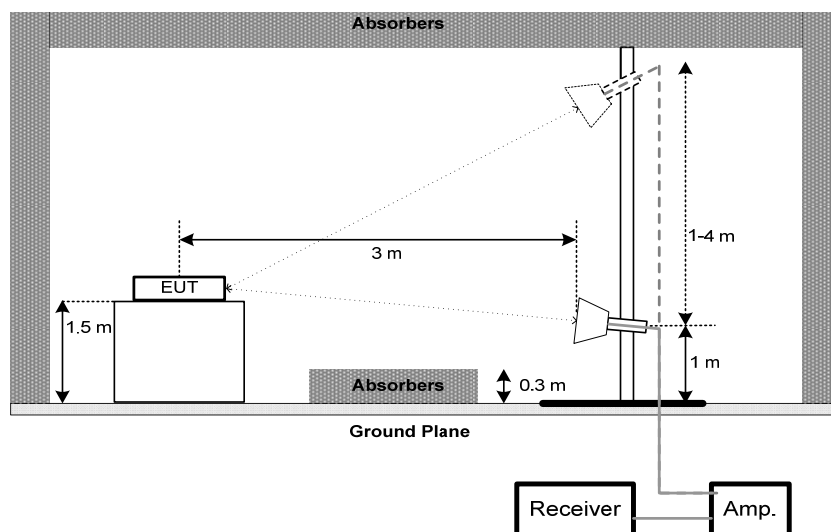
9 kHz to 30 MHz



30 MHz to 1 GHz



Above 1 GHz



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS - 9 KHZ to 30MHZ

Test Mode:	TX N(HT40) Mode / CH159 (UNII-3)
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Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
--	--	--	--	P
--	--	--	--	P

Note:

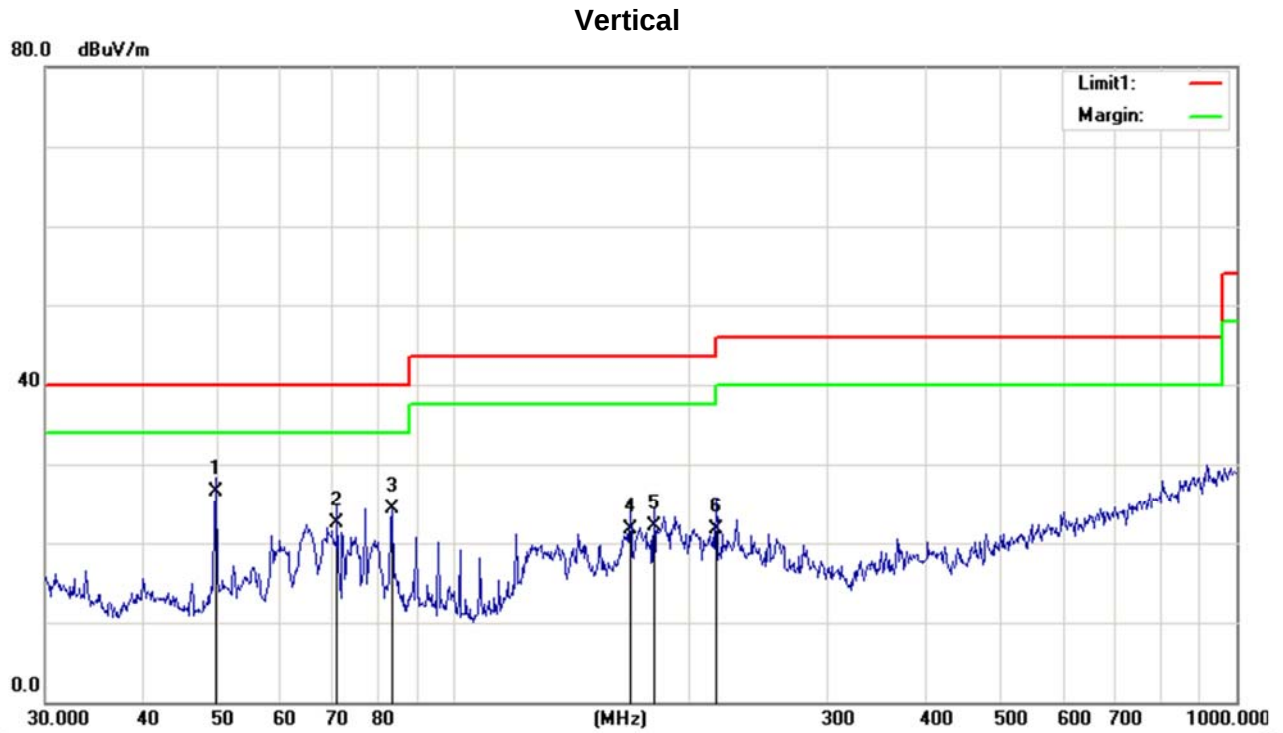
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor = $20 \log (\text{specific distance/test distance})$ (dB);

Limit line = specific limits(dBuv) + distance extrapolation factor

5.7 TEST RESULTS - 30 MHz TO 1000 MHz

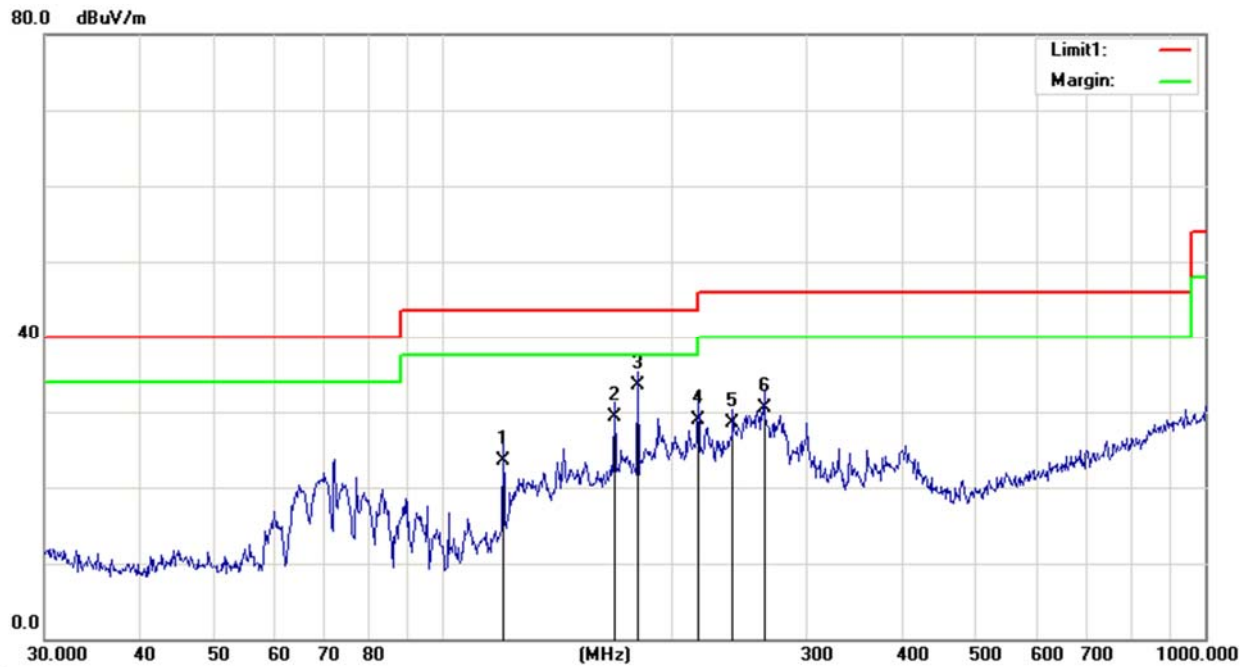
Test Mode: TX N(HT40) Mode / CH159 (UNII-3)



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	49.5328	39.73	-13.20	26.53	40.00	-13.47	QP
2	70.8315	37.25	-14.81	22.44	40.00	-17.56	QP
3	83.2298	39.66	-15.42	24.24	40.00	-15.76	QP
4	167.8243	32.14	-10.48	21.66	43.50	-21.84	QP
5	180.0165	33.84	-11.72	22.12	43.50	-21.38	QP
6	216.0240	32.28	-10.58	21.70	46.00	-24.30	QP

Test Mode: TX N(HT40) Mode / CH159 (UNII-3)

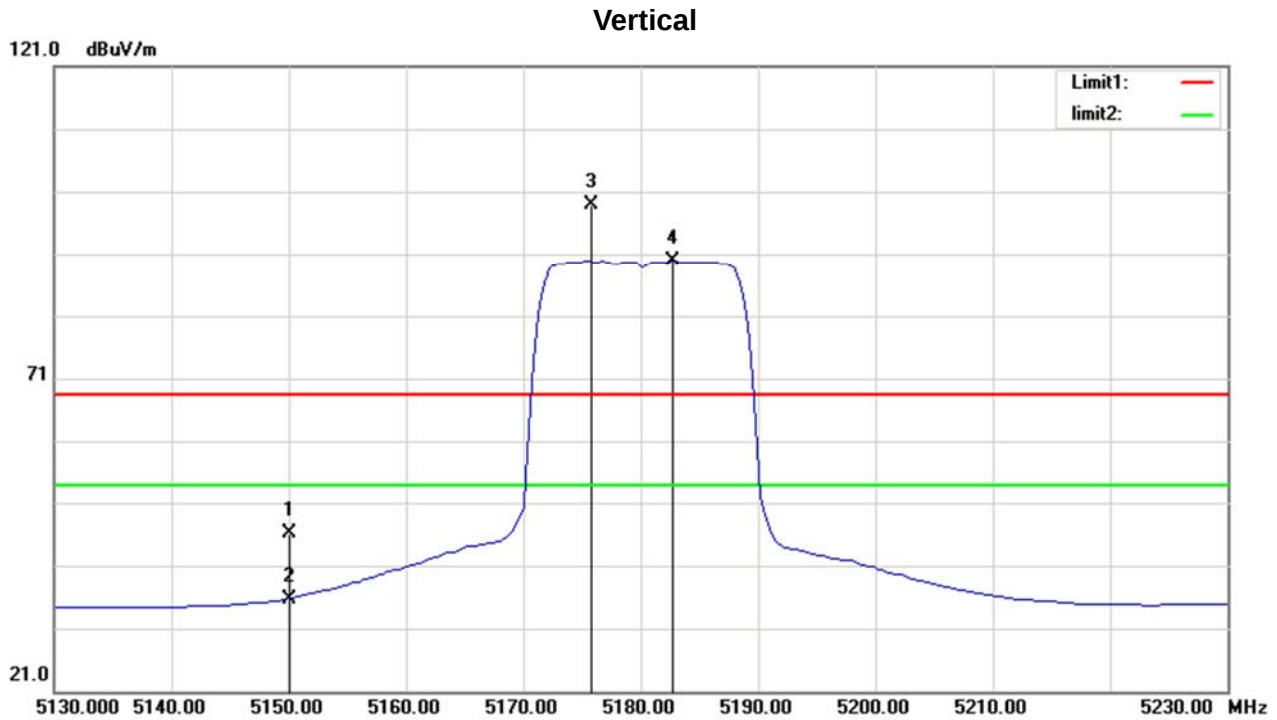
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	119.8556	37.49	-13.89	23.60	43.50	-19.90	QP
2	167.8243	40.13	-10.91	29.22	43.50	-14.28	QP
3	180.0165	43.31	-9.72	33.59	43.50	-9.91	QP
4	216.0240	38.29	-9.38	28.91	46.00	-17.09	QP
5	239.9874	34.79	-6.20	28.59	46.00	-17.41	QP
6	263.8190	35.26	-4.76	30.50	46.00	-15.50	QP

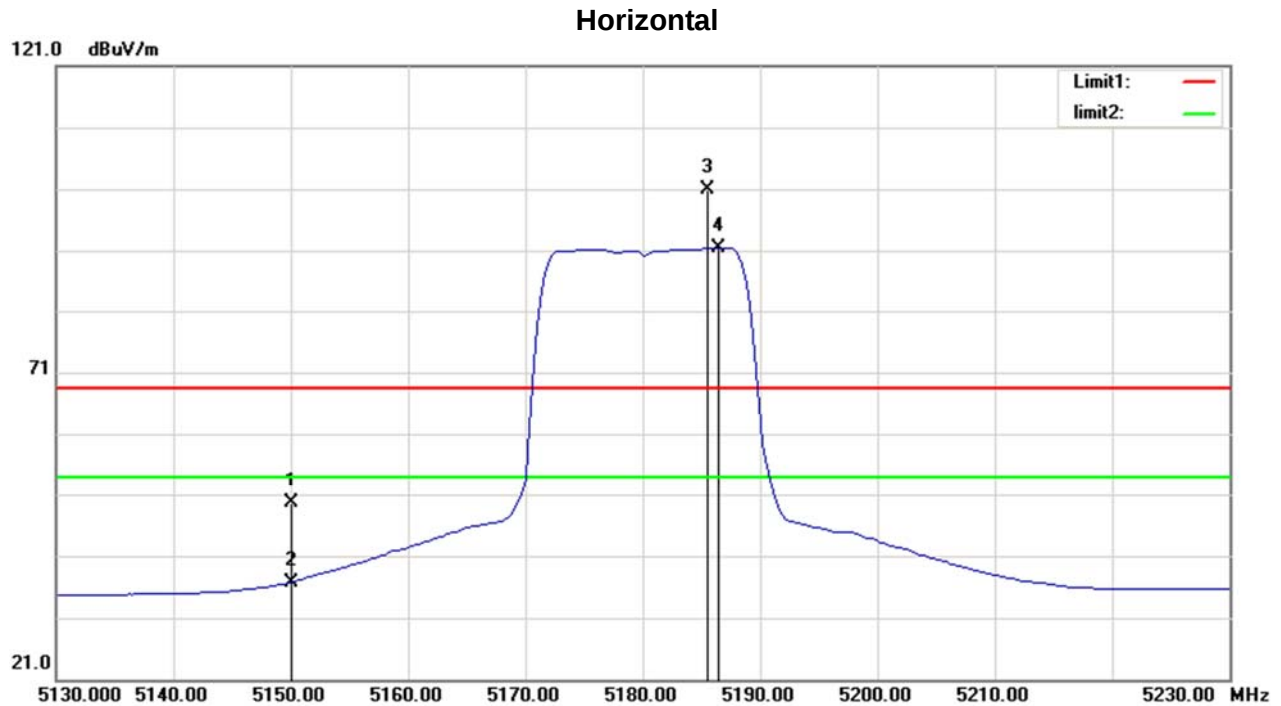
5.8 TEST RESULTS - ABOVE 1000 MHz(BAND EDGE)

Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 5180 MHz



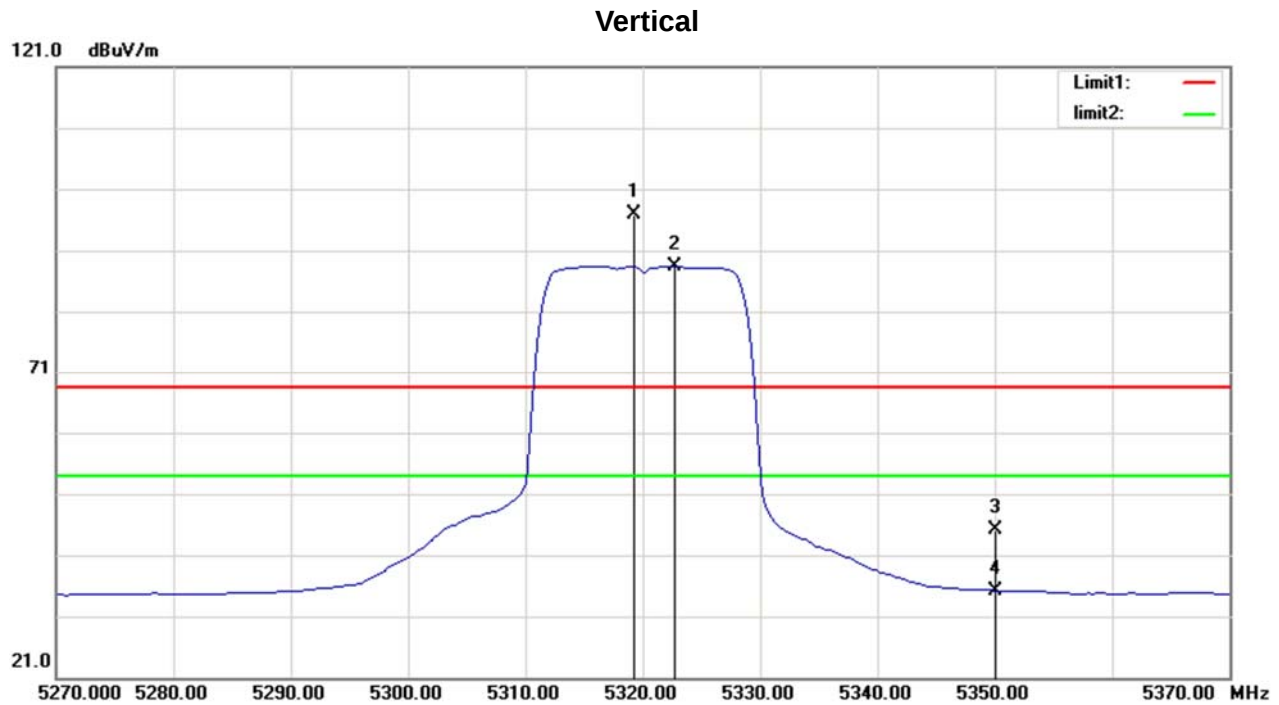
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	11.29	34.94	46.23	68.30	-22.07	peak
2	5150.000	0.81	34.94	35.75	54.00	-18.25	AVG
3	5175.750	63.82	35.01	98.83	/	/	peak
4	5182.750	54.74	35.03	89.77	/	/	AVG

Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 5180 MHz



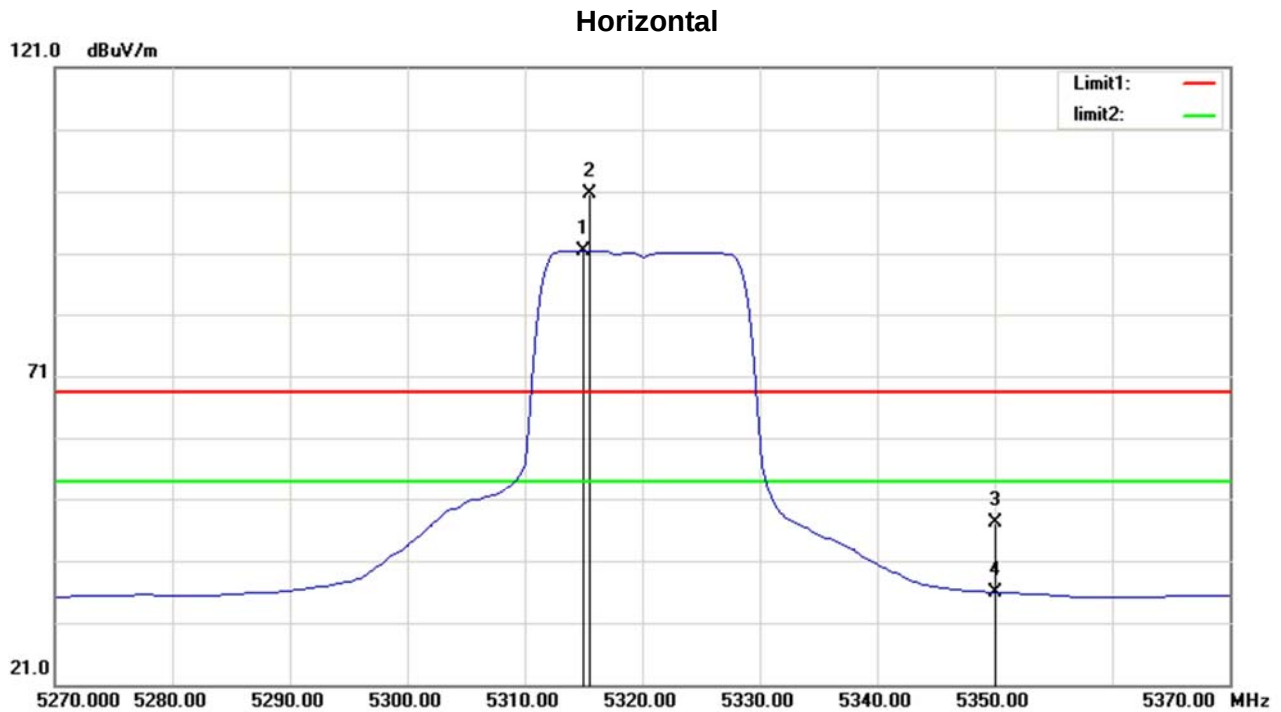
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	14.72	34.94	49.66	68.30	-18.64	peak
2	5150.000	1.73	34.94	36.67	54.00	-17.33	AVG
3	5185.500	65.95	35.05	101.00	/	/	peak
4	5186.500	56.36	35.05	91.41	/	/	AVG

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5320 MHz



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5319.250	61.36	35.42	96.78	/	/	peak
2	5322.750	52.99	35.42	88.41	/	/	AVG
3	5350.000	9.54	35.50	45.04	68.30	-23.26	peak
4	5350.000	-0.27	35.50	35.23	54.00	-18.77	AVG

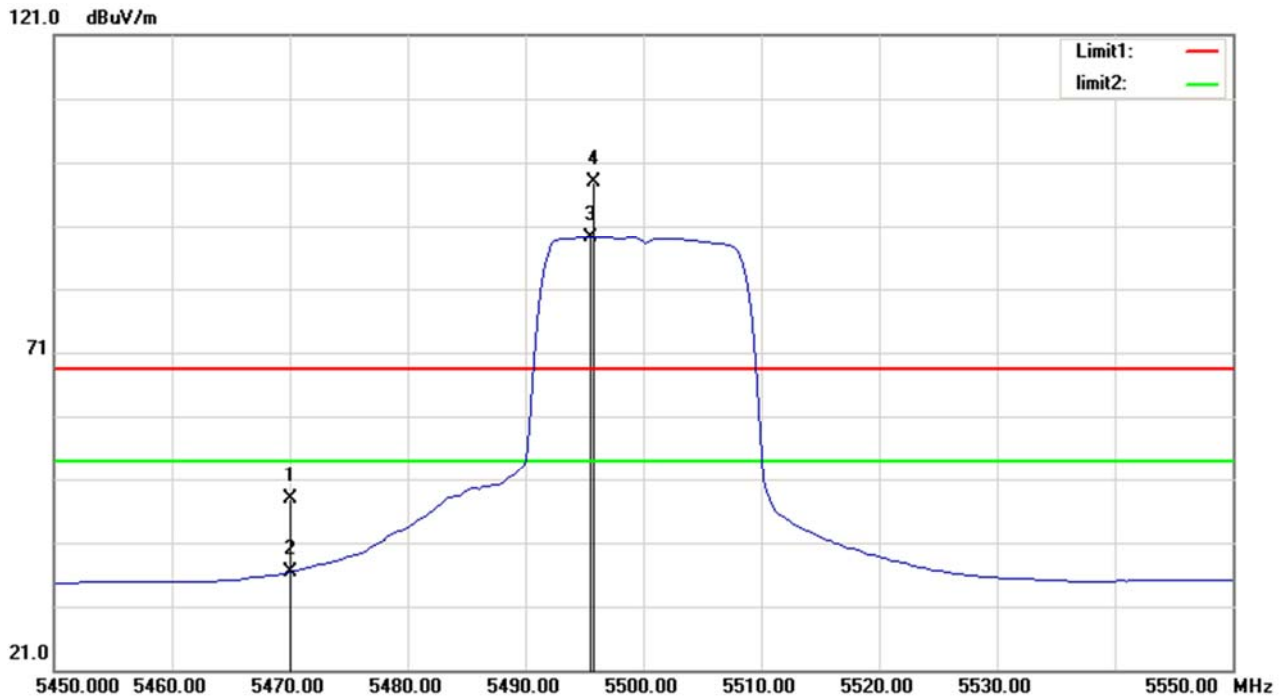
Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5320 MHz



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5315.000	56.04	35.41	91.45	/	/	AVG
2	5315.500	65.28	35.41	100.69	/	/	peak
3	5350.000	11.70	35.50	47.20	68.30	-21.10	peak
4	5350.000	0.39	35.50	35.89	54.00	-18.11	AVG

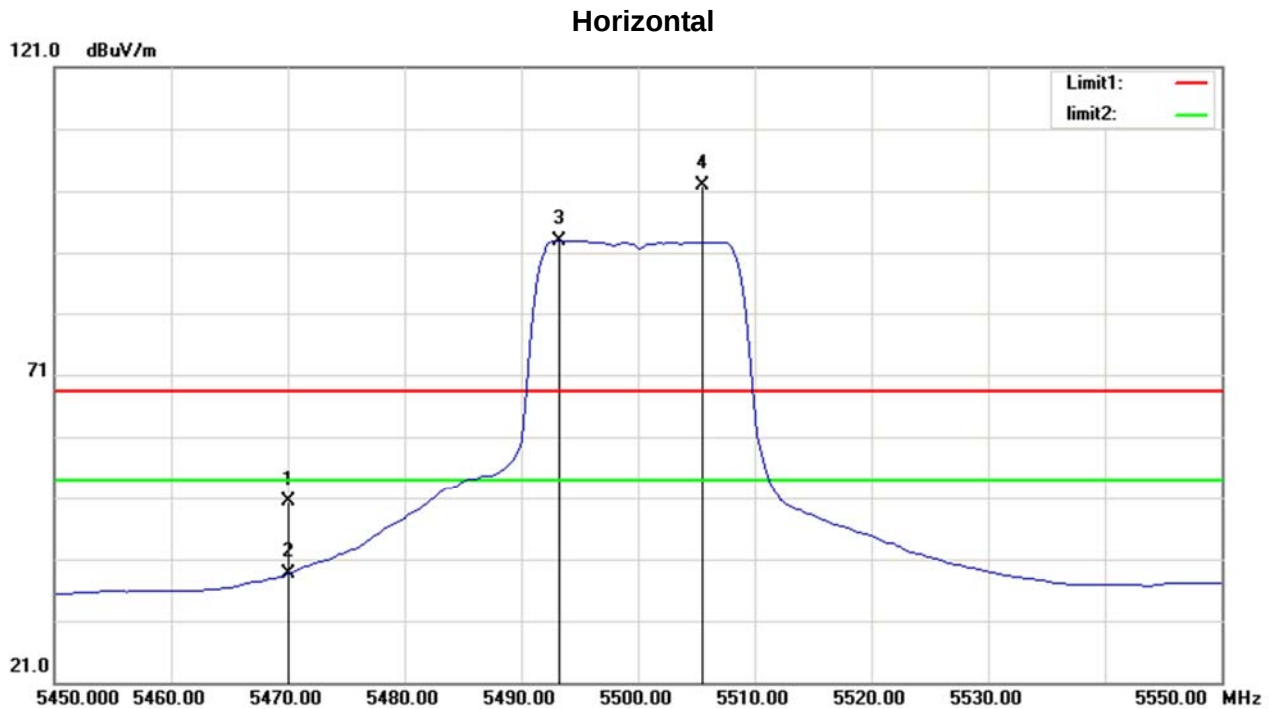
Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5500 MHz

Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5470.000	12.07	35.84	47.91	68.30	-20.39	peak
2	5470.000	0.52	35.84	36.36	54.00	-17.64	AVG
3	5495.500	53.27	35.91	89.18	/	/	AVG
4	5495.750	62.08	35.91	97.99	/	/	peak

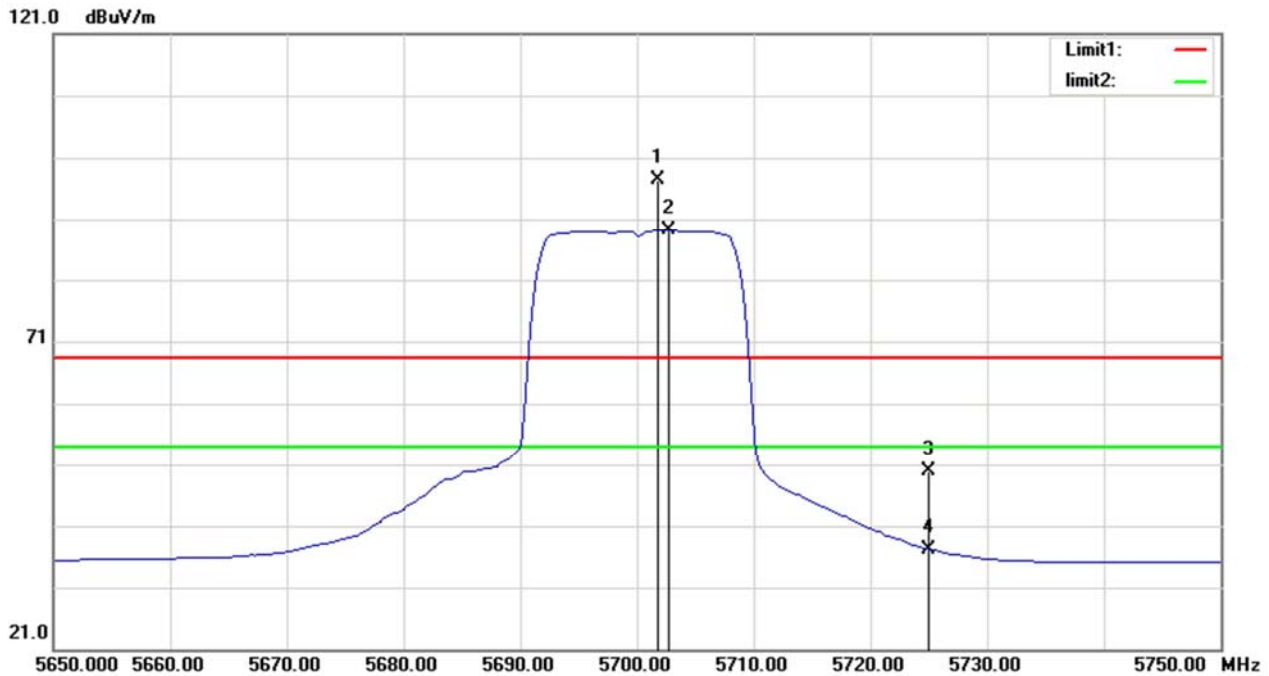
Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 5500 MHz



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5470.000	14.48	35.84	50.32	68.30	-17.98	peak
2	5470.000	2.69	35.84	38.53	54.00	-15.47	AVG
3	5493.250	56.95	35.90	92.85	/	/	AVG
4	5505.500	66.04	35.93	101.97	/	/	peak

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5700 MHz

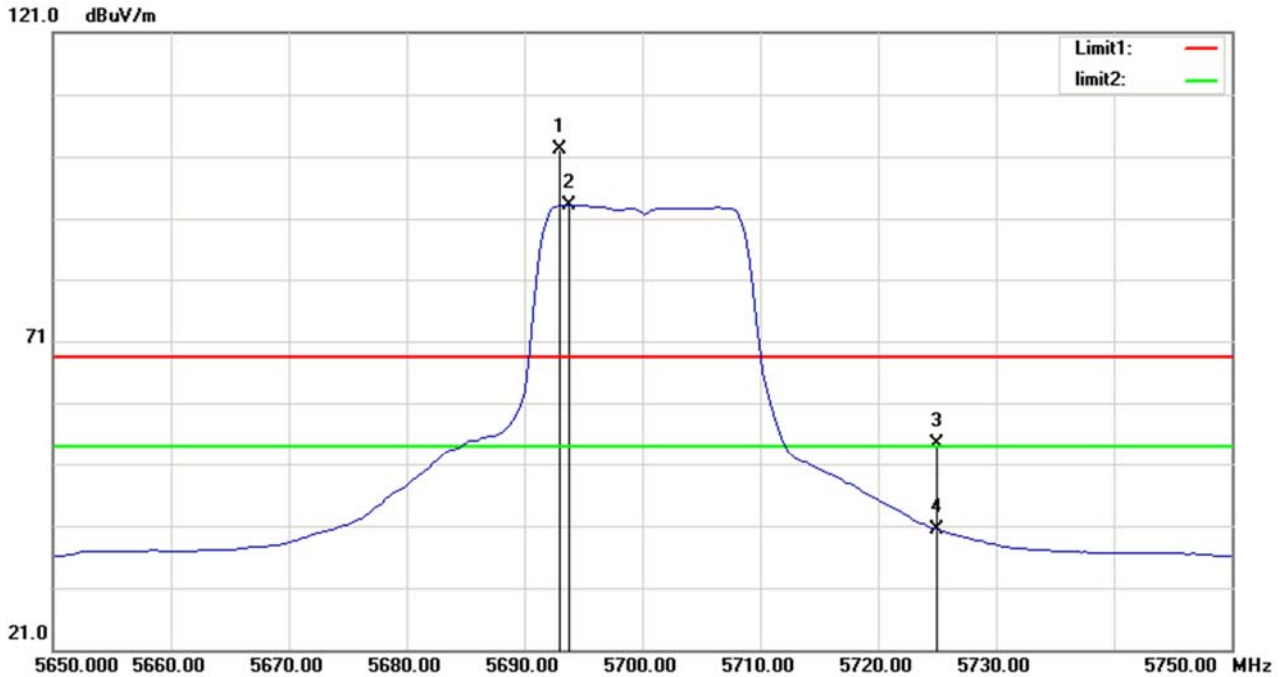
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5701.750	61.65	35.85	97.50	/	/	peak
2	5702.750	53.31	35.85	89.16	/	/	AVG
3	5725.000	14.07	35.84	49.91	68.30	-18.39	peak
4	5725.000	1.35	35.84	37.19	54.00	-16.81	AVG

Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 5700 MHz

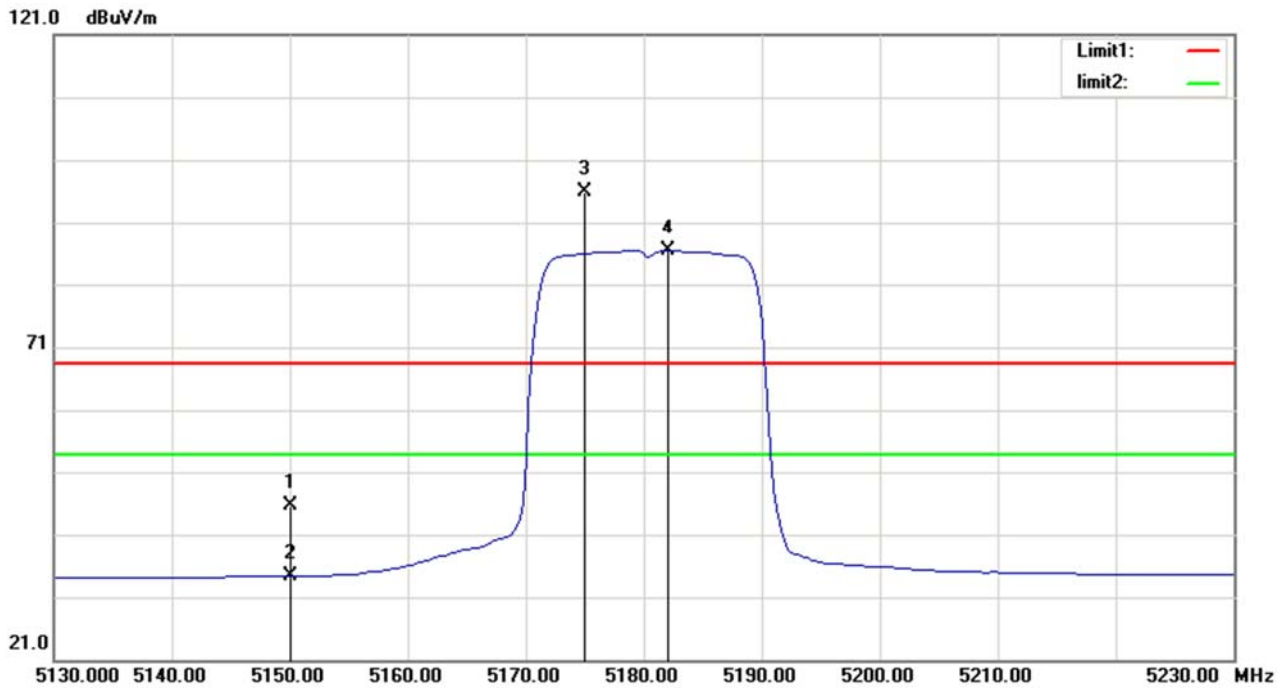
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5693.000	66.19	35.85	102.04	/	/	peak
2	5693.750	57.24	35.84	93.08	/	/	AVG
3	5725.000	18.47	35.84	54.31	68.30	-13.99	peak
4	5725.000	4.58	35.84	40.42	54.00	-13.58	AVG

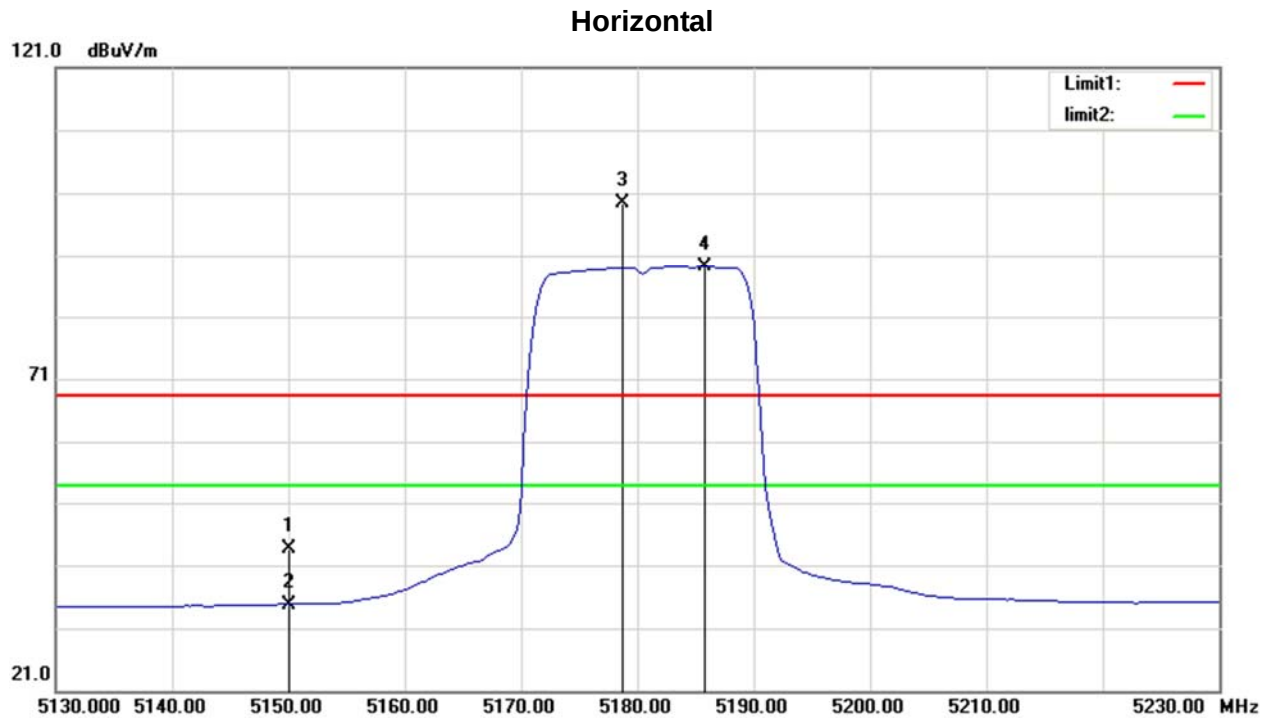
Orthogonal Axis	X
Test Mode	UNII-1_TX N (HT20) Mode 5180 MHz

Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	10.69	34.94	45.63	68.30	-22.67	peak
2	5150.000	-0.56	34.94	34.38	54.00	-19.62	AVG
3	5175.000	60.82	35.01	95.83	/	/	peak
4	5182.000	51.28	35.03	86.31	/	/	AVG

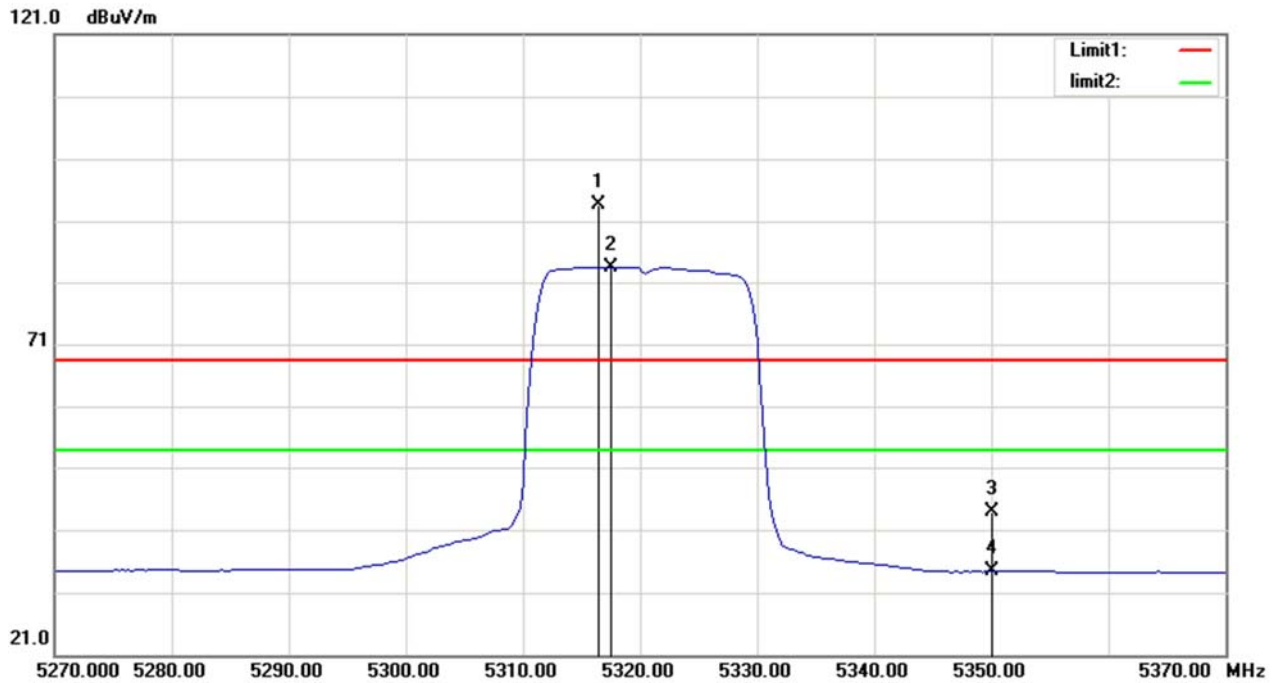
Orthogonal Axis	X
Test Mode	UNII-1_TX N (HT20) Mode 5180 MHz



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	8.63	34.94	43.57	68.30	-24.73	peak
2	5150.000	-0.19	34.94	34.75	54.00	-19.25	AVG
3	5178.750	64.47	35.02	99.49	/	/	peak
4	5185.750	54.11	35.05	89.16	/	/	AVG

Orthogonal Axis	X
Test Mode	UNII-2A_TX N (HT20) Mode 5320 MHz

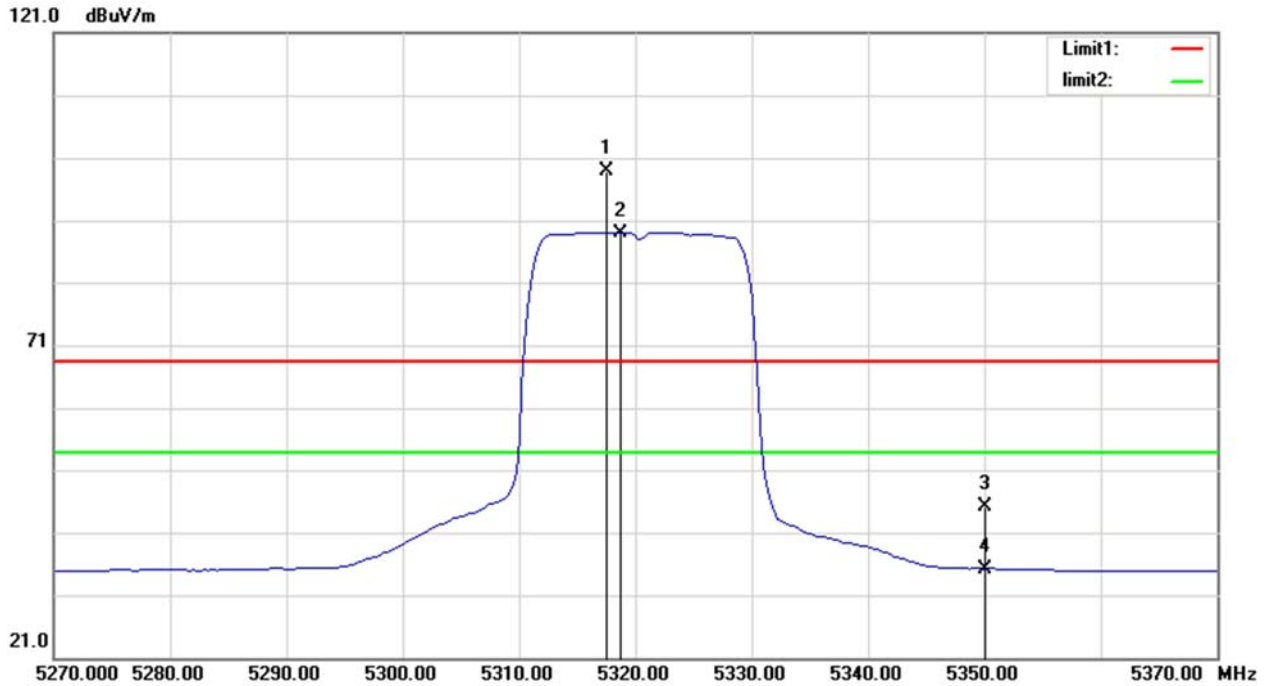
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5316.500	58.22	35.41	93.63	/	/	peak
2	5317.500	48.07	35.41	83.48	/	/	AVG
3	5350.000	8.33	35.50	43.83	68.30	-24.47	peak
4	5350.000	-1.16	35.50	34.34	54.00	-19.66	AVG

Orthogonal Axis	X
Test Mode	UNII-2A_TX N (HT20) Mode 5320 MHz

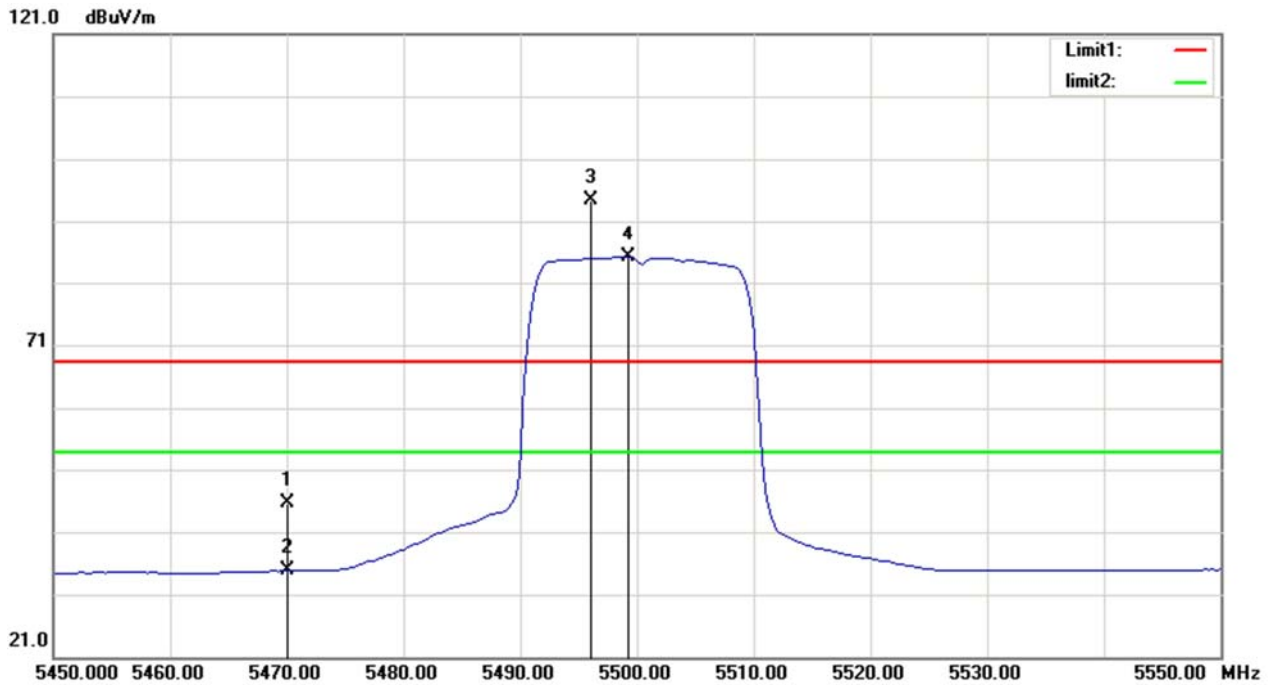
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5317.500	63.55	35.41	98.96	/	/	peak
2	5318.750	53.51	35.41	88.92	/	/	AVG
3	5350.000	9.69	35.50	45.19	68.30	-23.11	peak
4	5350.000	-0.27	35.50	35.23	54.00	-18.77	AVG

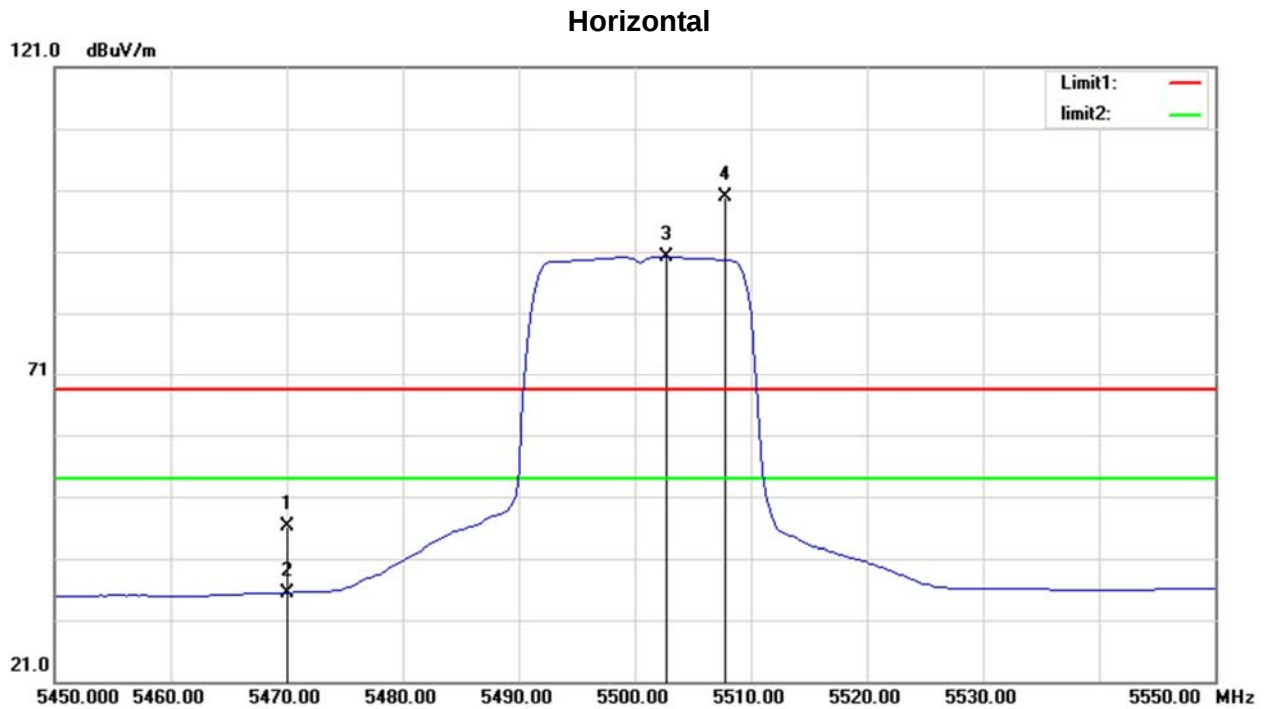
Orthogonal Axis	X
Test Mode	UNII-2C_TX N (HT20) Mode 5500 MHz

Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5470.000	9.86	35.84	45.70	68.30	-22.60	peak
2	5470.000	-1.07	35.84	34.77	54.00	-19.23	AVG
3	5496.000	58.59	35.91	94.50	/	/	peak
4	5499.250	49.22	35.92	85.14	/	/	AVG

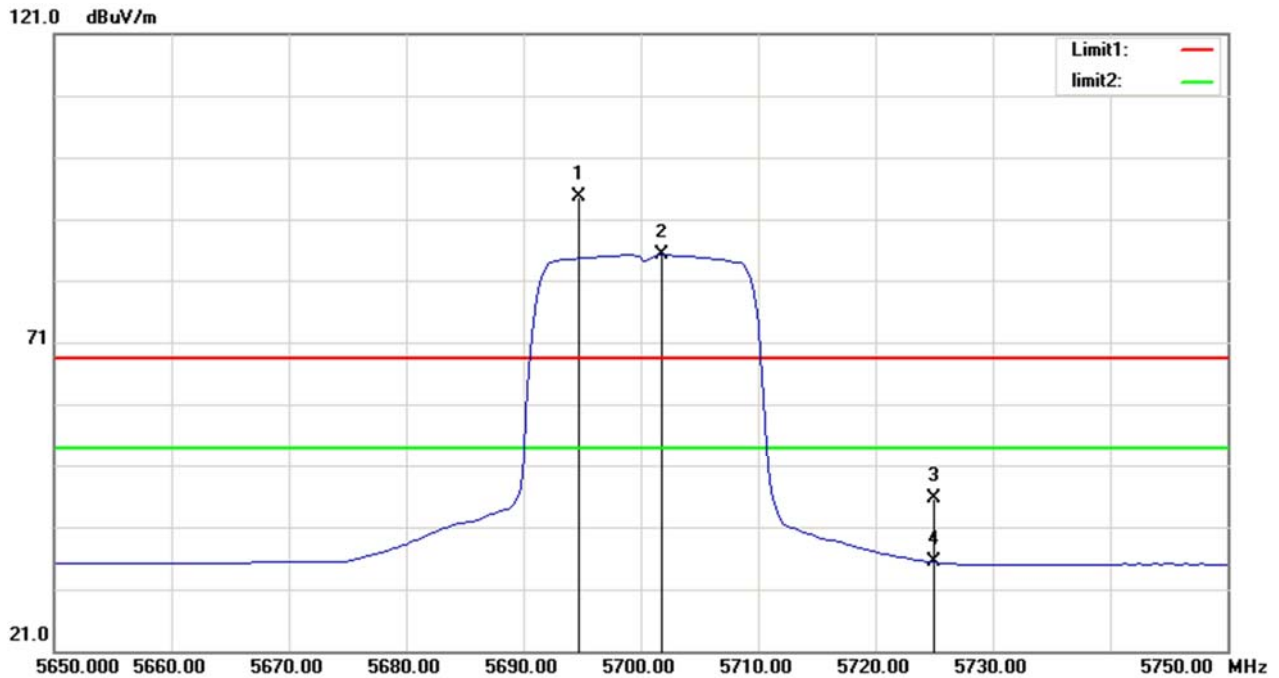
Orthogonal Axis	X
Test Mode	UNII-2C_TX N (HT20) Mode 5500 MHz



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5470.000	10.23	35.84	46.07	68.30	-22.23	peak
2	5470.000	-0.41	35.84	35.43	54.00	-18.57	AVG
3	5502.750	54.14	35.93	90.07	/	/	AVG
4	5507.750	63.85	35.92	99.77	/	/	peak

Orthogonal Axis	X
Test Mode	UNII-2C_TX N (HT20) Mode 5700 MHz

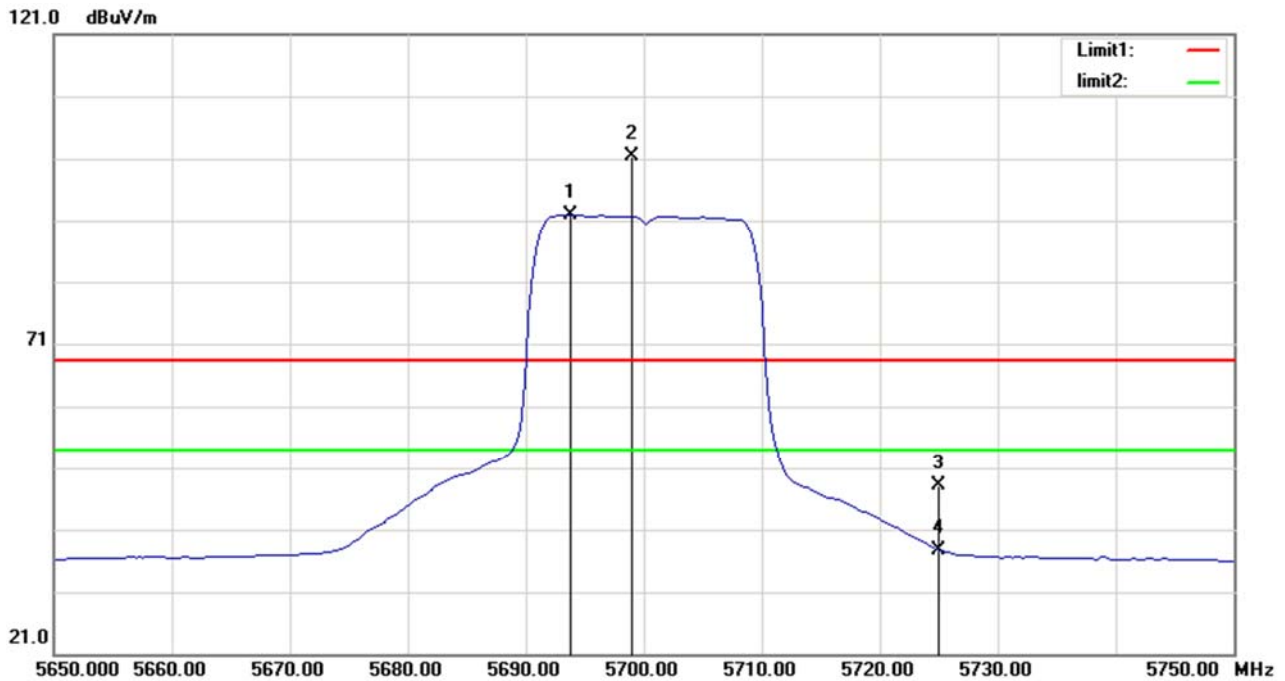
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5694.750	58.90	35.84	94.74	/	/	peak
2	5701.750	49.18	35.85	85.03	/	/	AVG
3	5725.000	9.89	35.84	45.73	68.30	-22.57	peak
4	5725.000	-0.57	35.84	35.27	54.00	-18.73	AVG

Orthogonal Axis	X
Test Mode	UNII-2C_TX N (HT20) Mode 5700 MHz

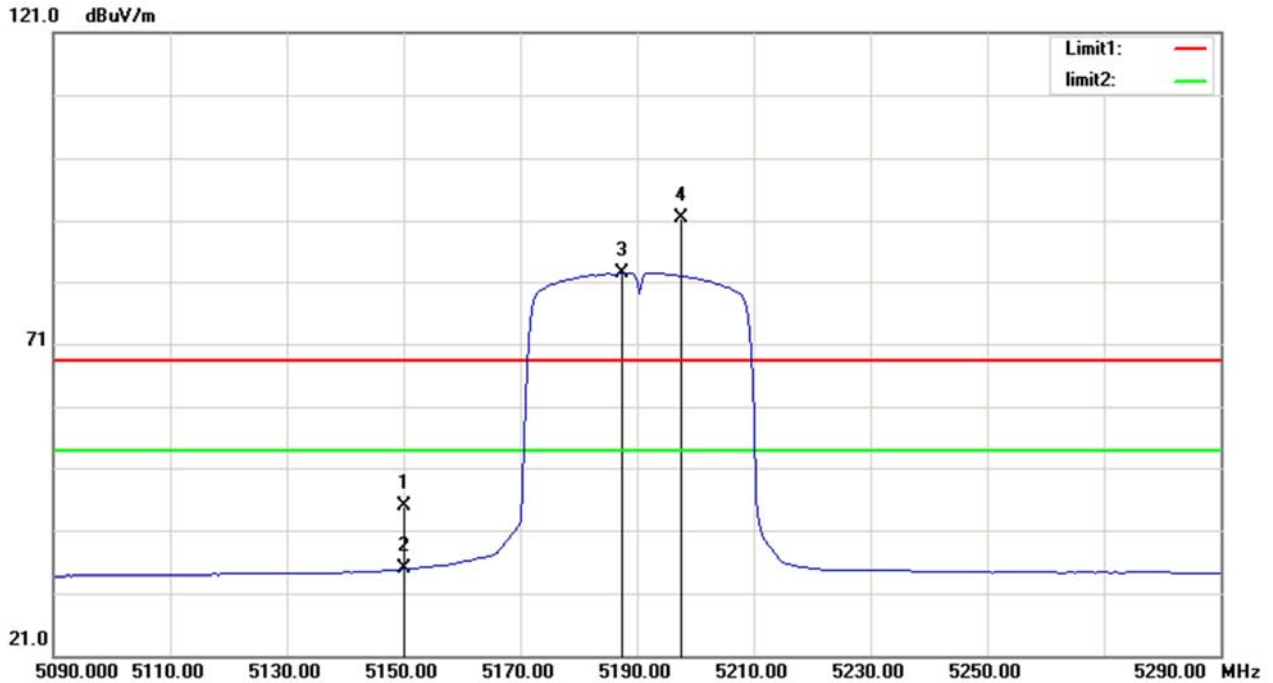
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5693.750	56.00	35.84	91.84	/	/	AVG
2	5699.000	65.61	35.85	101.46	/	/	peak
3	5725.000	12.31	35.84	48.15	68.30	-20.15	peak
4	5725.000	1.90	35.84	37.74	54.00	-16.26	AVG

Orthogonal Axis	X
Test Mode	UNII-1_TX N (HT40) Mode 5190 MHz

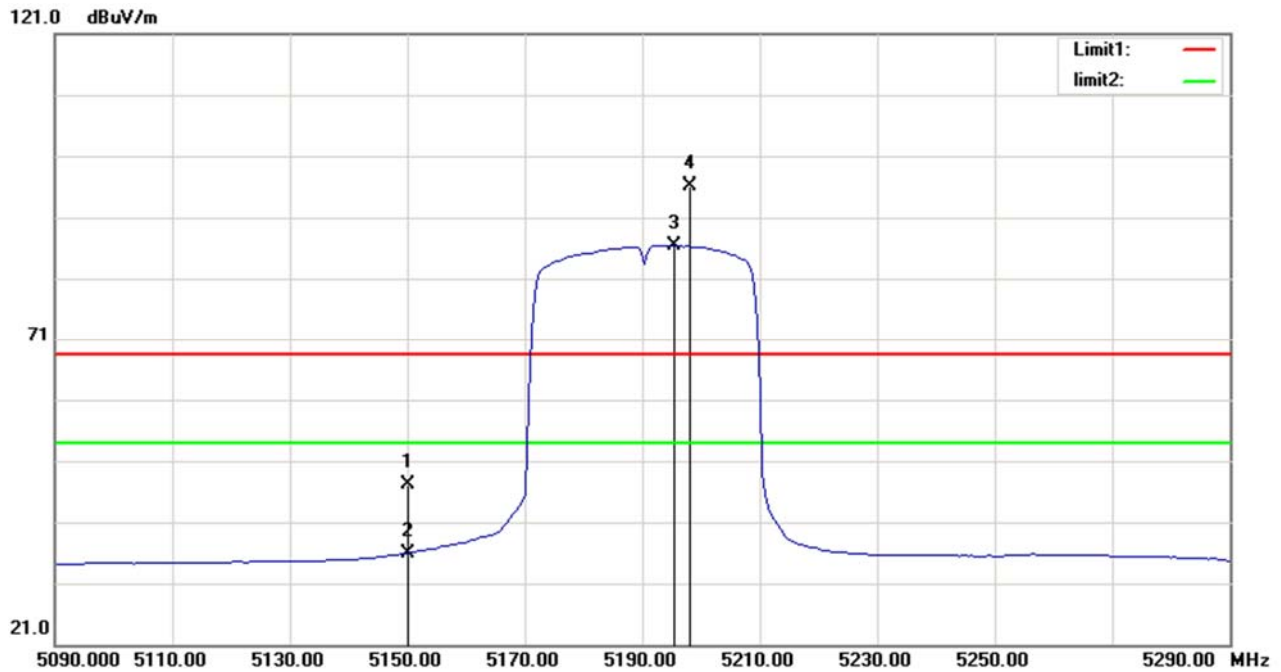
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	9.94	34.94	44.88	68.30	-23.42	peak
2	5150.000	-0.16	34.94	34.78	54.00	-19.22	AVG
3	5187.500	47.43	35.05	82.48	/	/	AVG
4	5197.500	56.20	35.07	91.27	/	/	peak

Orthogonal Axis	X
Test Mode	UNII-1_TX N (HT40) Mode 5190 MHz

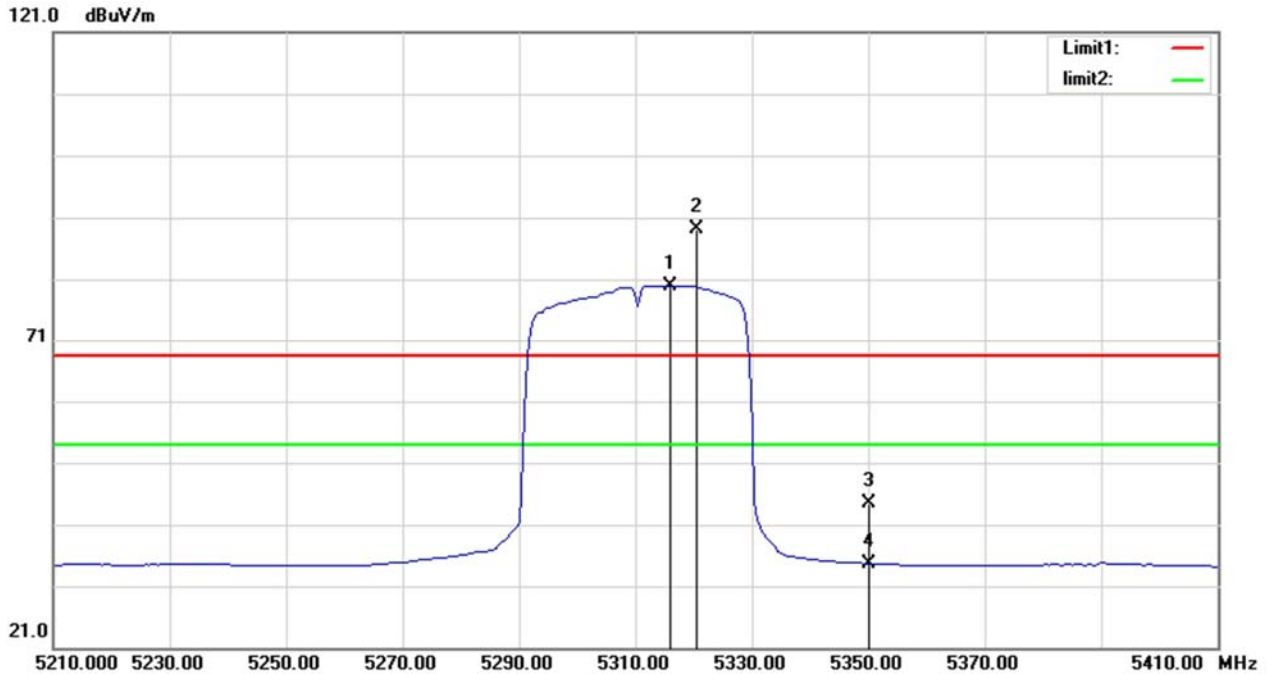
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	12.24	34.94	47.18	68.30	-21.12	peak
2	5150.000	1.02	34.94	35.96	54.00	-18.04	AVG
3	5195.500	51.35	35.07	86.42	/	/	AVG
4	5198.000	61.14	35.08	96.22	/	/	peak

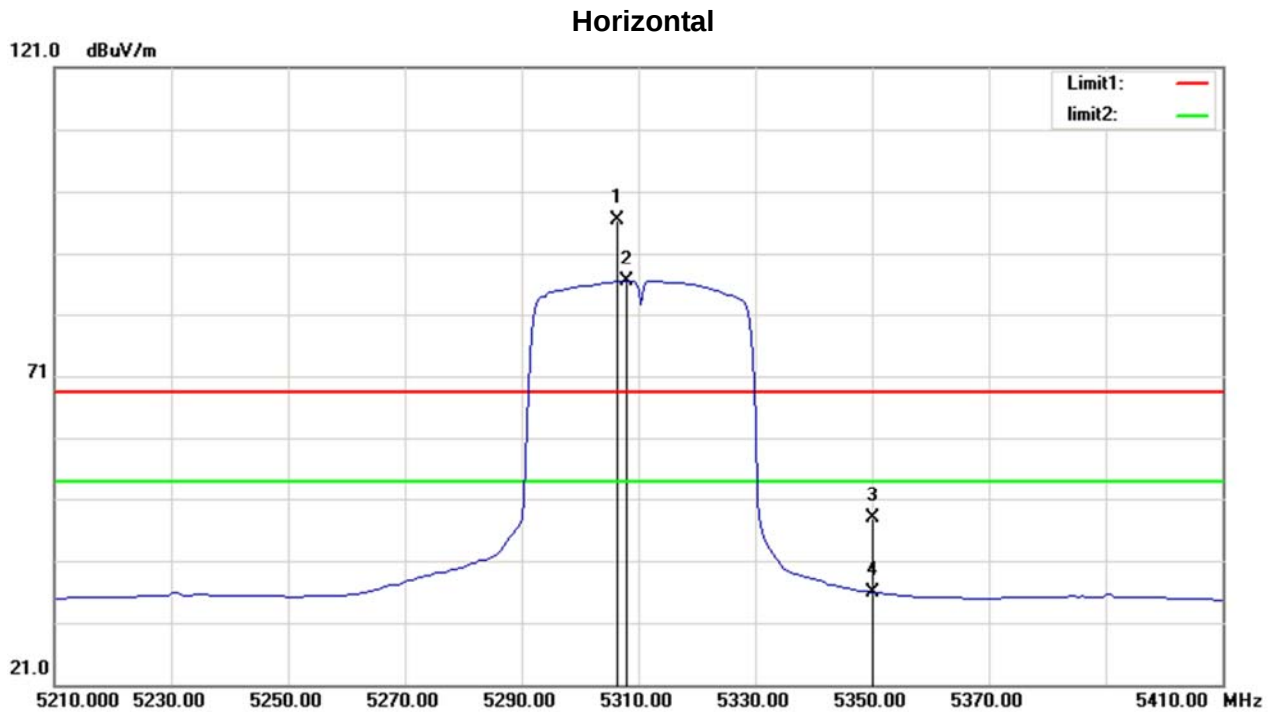
Orthogonal Axis	X
Test Mode	UNII-2A_TX N (HT40) Mode 5310 MHz

Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5316.000	44.59	35.41	80.00	/	/	AVG
2	5320.500	53.82	35.42	89.24	/	/	peak
3	5350.000	8.85	35.50	44.35	68.30	-23.95	peak
4	5350.000	-0.80	35.50	34.70	54.00	-19.30	AVG

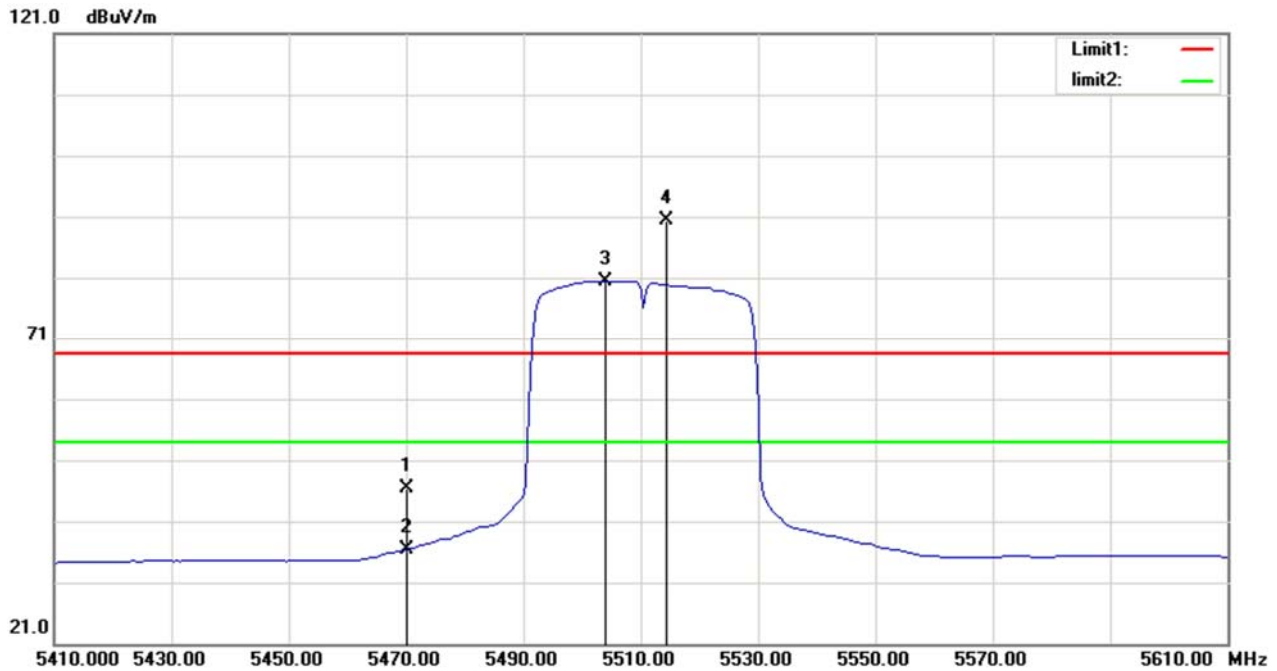
Orthogonal Axis	X
Test Mode	UNII-2A_TX N (HT40) Mode 5310 MHz



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5306.500	60.94	35.39	96.33	/	/	peak
2	5308.000	51.06	35.39	86.45	/	/	AVG
3	5350.000	12.29	35.50	47.79	68.30	-20.51	peak
4	5350.000	0.41	35.50	35.91	54.00	-18.09	AVG

Orthogonal Axis	X
Test Mode	UNII-2C_TX N (HT40) Mode 5510 MHz

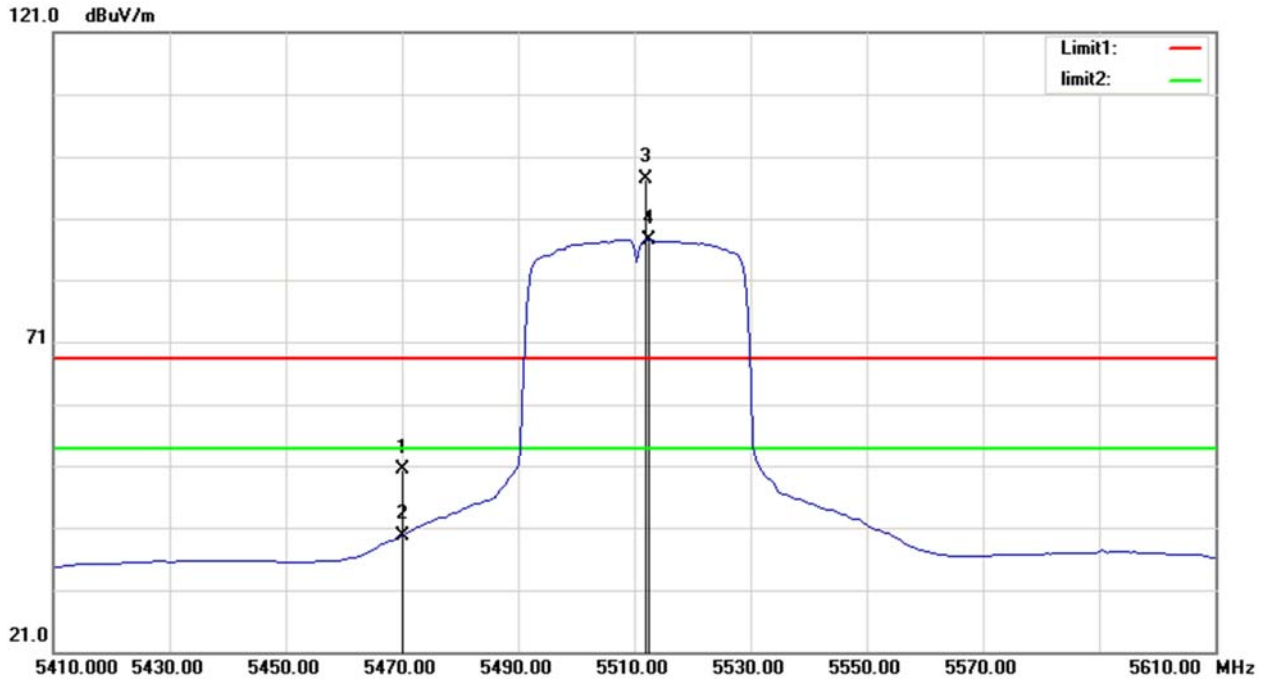
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5470.000	10.60	35.84	46.44	68.30	-21.86	peak
2	5470.000	0.52	35.84	36.36	54.00	-17.64	AVG
3	5504.000	44.57	35.93	80.50	/	/	AVG
4	5514.500	54.36	35.92	90.28	/	/	peak

Orthogonal Axis	X
Test Mode	UNII-2C_TX N (HT40) Mode 5510 MHz

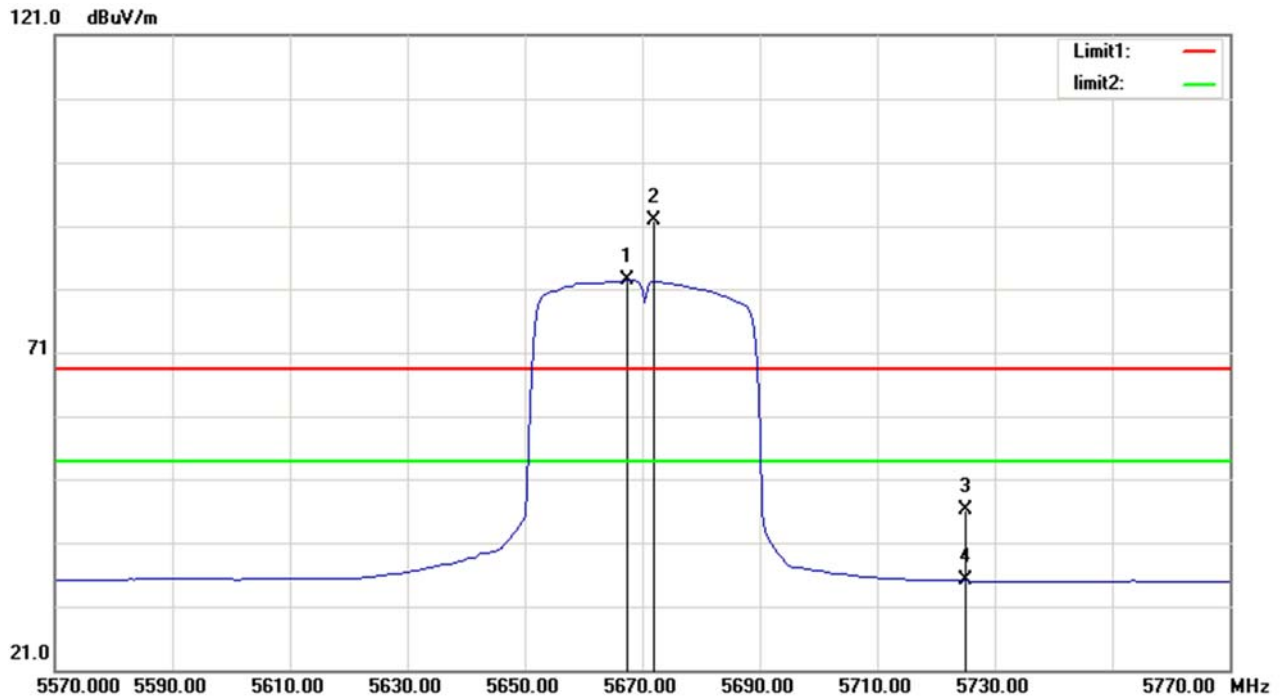
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5470.000	14.61	35.84	50.45	68.30	-17.85	peak
2	5470.000	3.75	35.84	39.59	54.00	-14.41	AVG
3	5512.000	61.41	35.92	97.33	/	/	peak
4	5512.500	51.47	35.92	87.39	/	/	AVG

Orthogonal Axis	X
Test Mode	UNII-2C_TX N (HT40) Mode 5670 MHz

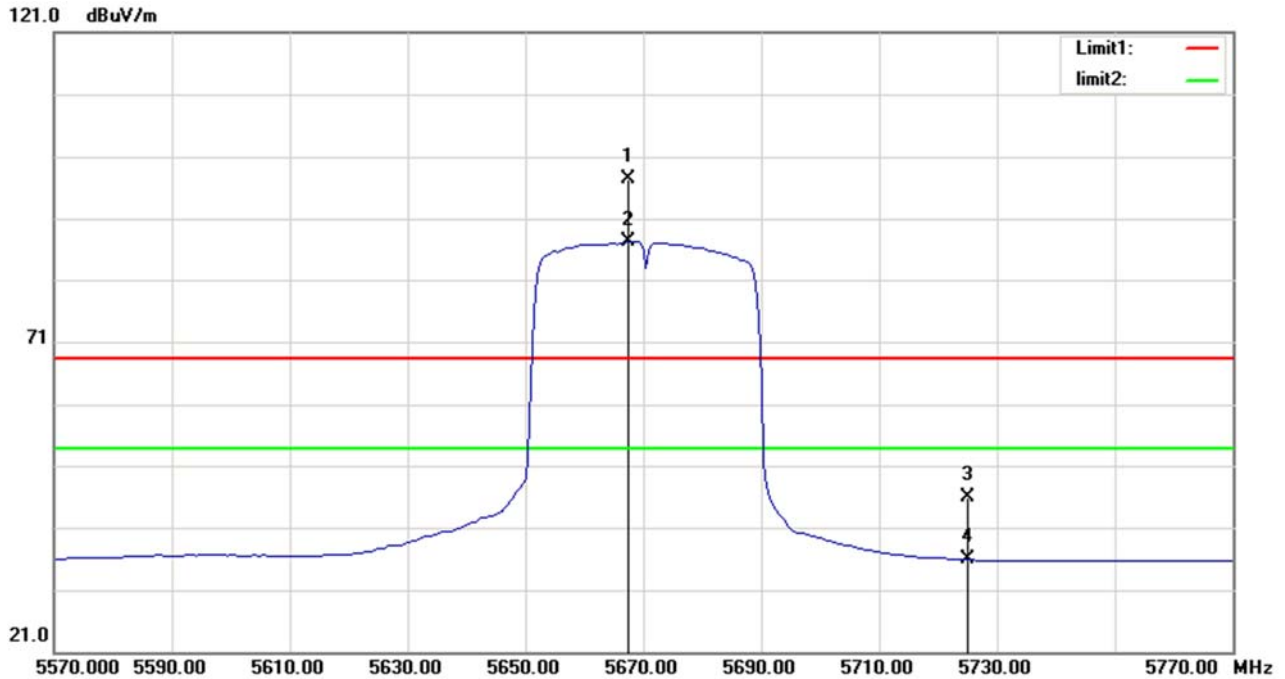
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5667.500	46.45	35.86	82.31	/	/	AVG
2	5672.000	55.99	35.86	91.85	/	/	peak
3	5725.000	10.24	35.84	46.08	68.30	-22.22	peak
4	5725.000	-0.83	35.84	35.01	54.00	-18.99	AVG

Orthogonal Axis	X
Test Mode	UNII-2C_TX N (HT40) Mode 5670 MHz

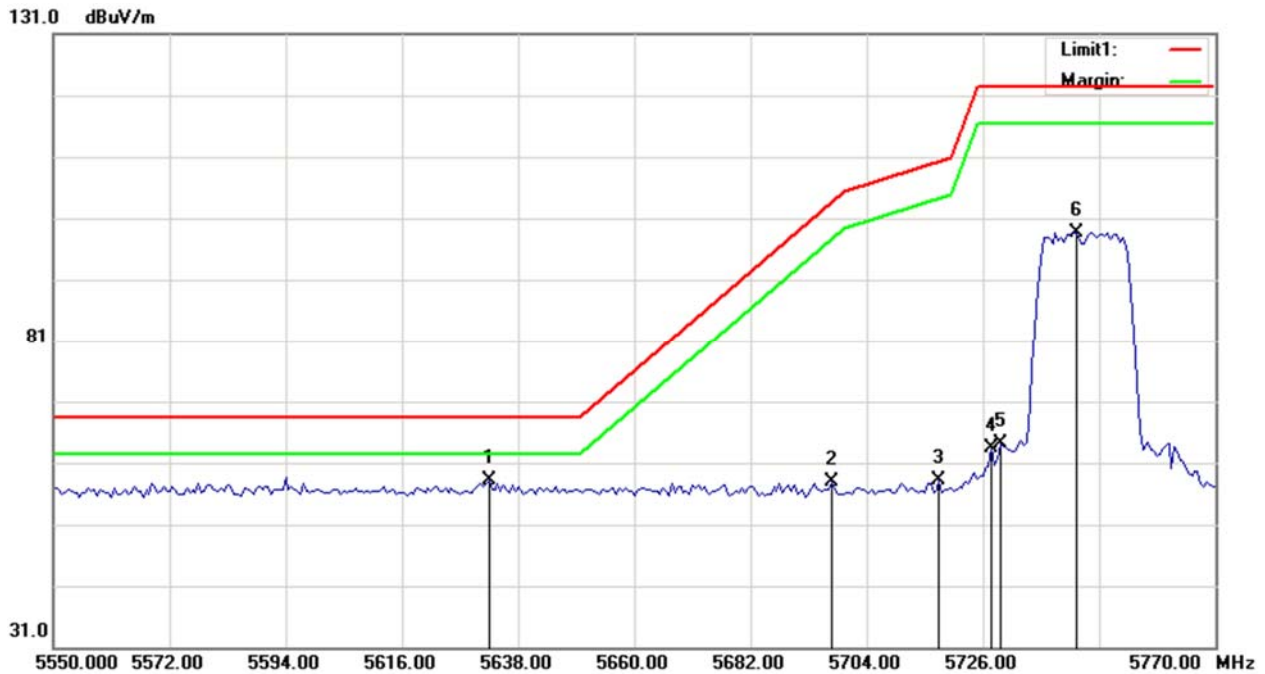
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5667.500	61.40	35.86	97.26	/	/	peak
2	5667.500	51.17	35.86	87.03	/	/	AVG
3	5725.000	10.04	35.84	45.88	68.30	-22.42	peak
4	5725.000	-0.07	35.84	35.77	54.00	-18.23	AVG

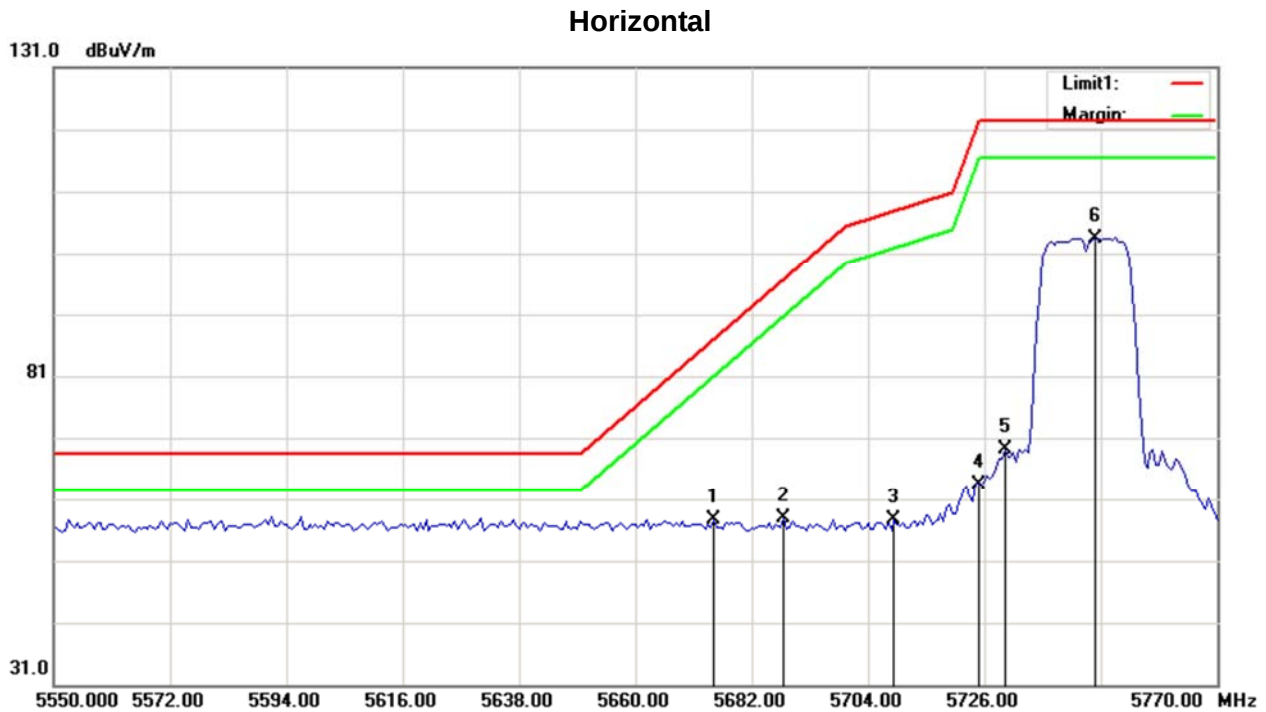
Orthogonal Axis	X
Test Mode	UNII-3_TX A Mode 5745 MHz

Vertical



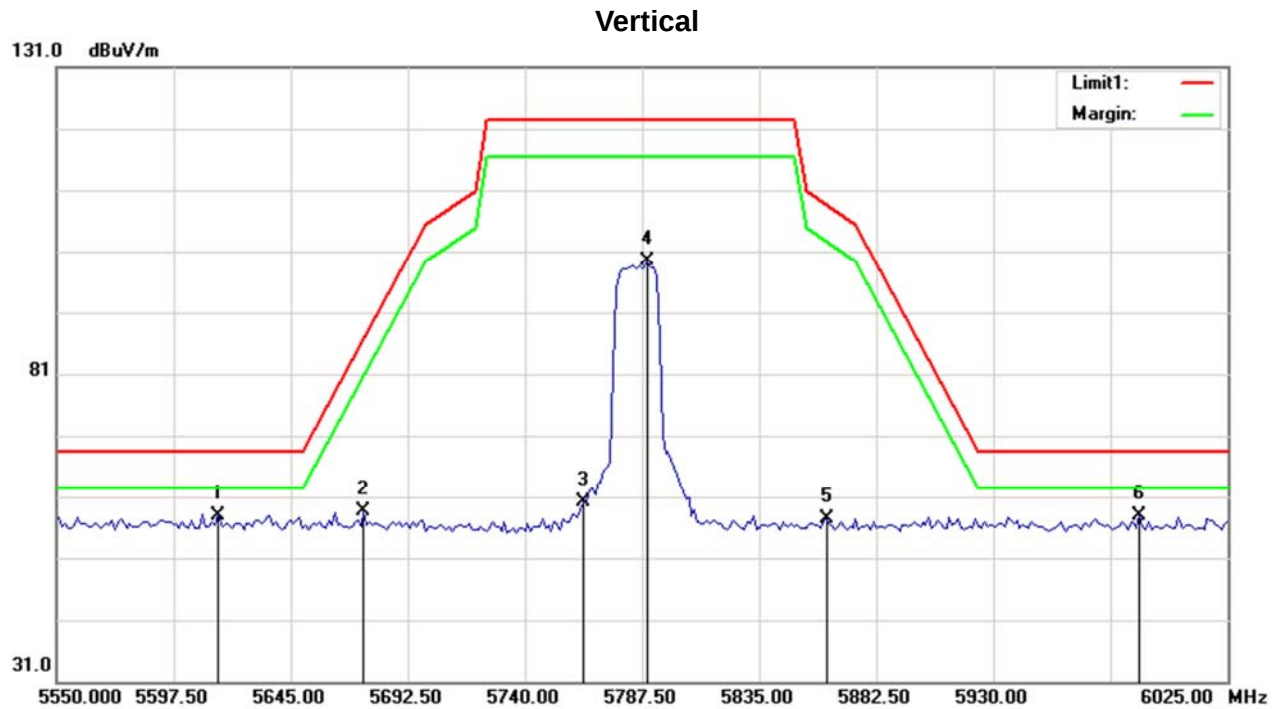
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5632.500	22.30	35.87	58.17	68.30	-10.13	peak
2	5697.400	22.00	35.85	57.85	103.38	-45.53	peak
3	5717.750	22.21	35.84	58.05	110.27	-52.22	peak
4	5727.650	27.62	35.84	63.46	122.30	-58.84	peak
5	5729.300	28.30	35.84	64.14	122.30	-58.16	peak
6	5743.600	62.82	35.83	98.65	122.30	-23.65	peak

Orthogonal Axis	X
Test Mode	UNII-3_TX A Mode 5745 MHz



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5674.850	21.77	35.86	57.63	86.69	-29.06	peak
2	5688.050	22.00	35.85	57.85	96.46	-38.61	peak
3	5708.950	21.72	35.84	57.56	107.81	-50.25	peak
4	5725.000	27.55	35.84	63.39	122.30	-58.91	peak
5	5729.850	33.40	35.84	69.24	122.30	-53.06	peak
6	5746.900	67.62	35.83	103.45	122.30	-18.85	peak

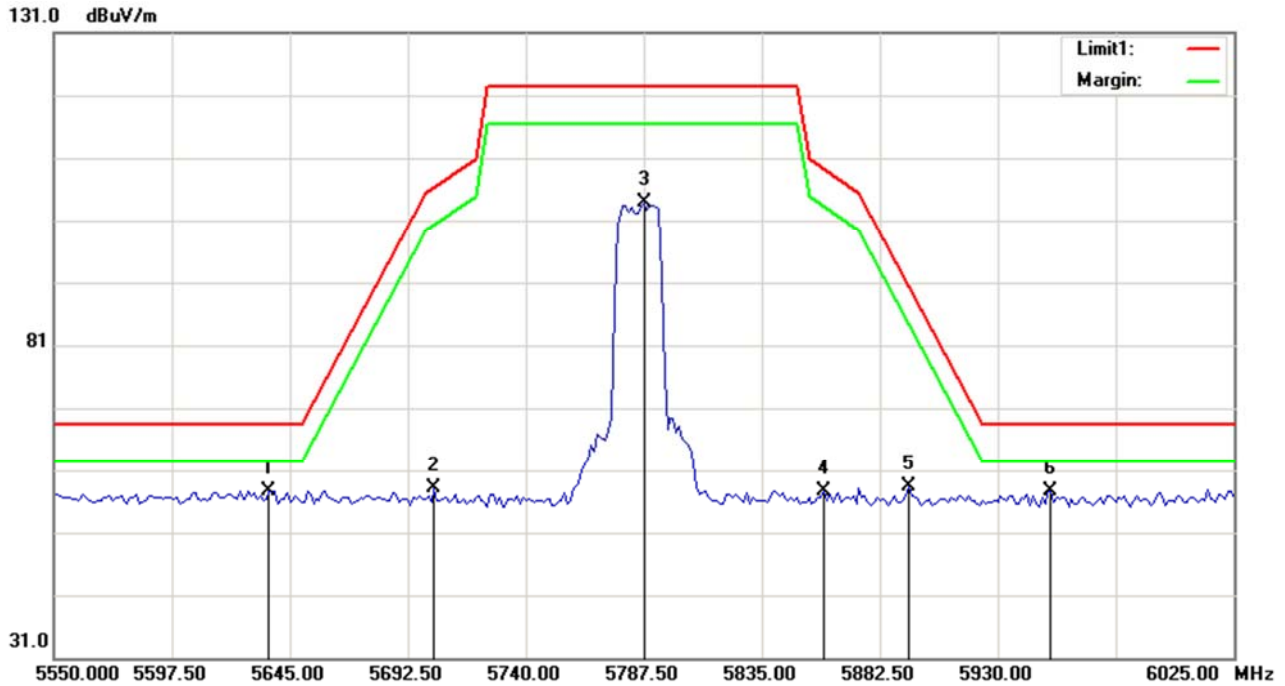
Orthogonal Axis	X
Test Mode	UNII-3_TX A Mode 5785 MHz



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5615.313	22.12	35.88	58.00	68.30	-10.30	peak
2	5674.688	22.70	35.86	58.56	86.57	-28.01	peak
3	5763.750	24.35	35.82	60.17	122.30	-62.13	peak
4	5789.875	63.52	35.81	99.33	122.30	-22.97	peak
5	5862.313	21.62	35.78	57.40	108.85	-51.45	peak
6	5989.375	22.19	35.74	57.93	68.30	-10.37	peak

Orthogonal Axis	X
Test Mode	UNII-3_TX A Mode 5785 MHz

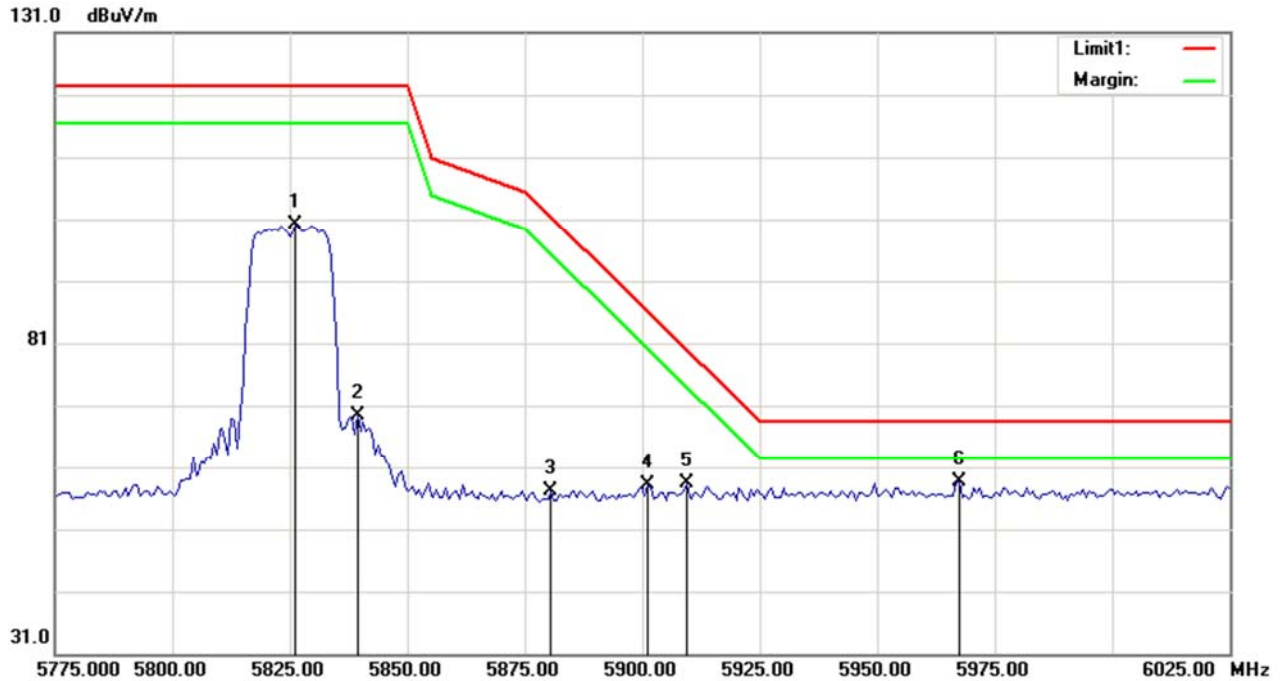
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5636.688	21.81	35.87	57.68	68.30	-10.62	peak
2	5703.188	22.33	35.85	58.18	106.19	-48.01	peak
3	5787.500	68.13	35.81	103.94	122.30	-18.36	peak
4	5859.938	21.92	35.78	57.70	109.52	-51.82	peak
5	5894.375	22.71	35.77	58.48	90.96	-32.48	peak
6	5951.375	21.77	35.75	57.52	68.30	-10.78	peak

Orthogonal Axis	X
Test Mode	UNII-3_TX A Mode 5825 MHz

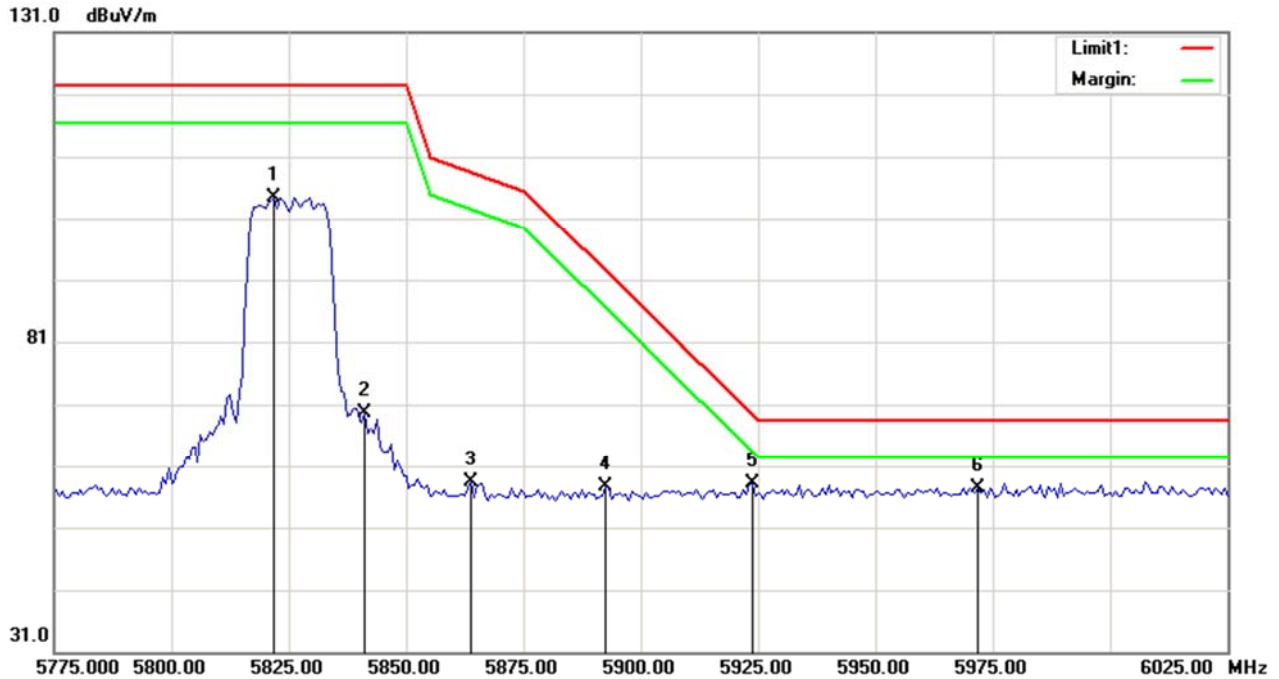
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5826.250	64.44	35.80	100.24	122.30	-22.06	peak
2	5839.375	33.60	35.79	69.39	122.30	-52.91	peak
3	5880.625	21.44	35.78	57.22	101.14	-43.92	peak
4	5901.250	22.45	35.77	58.22	85.87	-27.65	peak
5	5909.375	22.74	35.76	58.50	79.86	-21.36	peak
6	5967.500	22.93	35.75	58.68	68.30	-9.62	peak

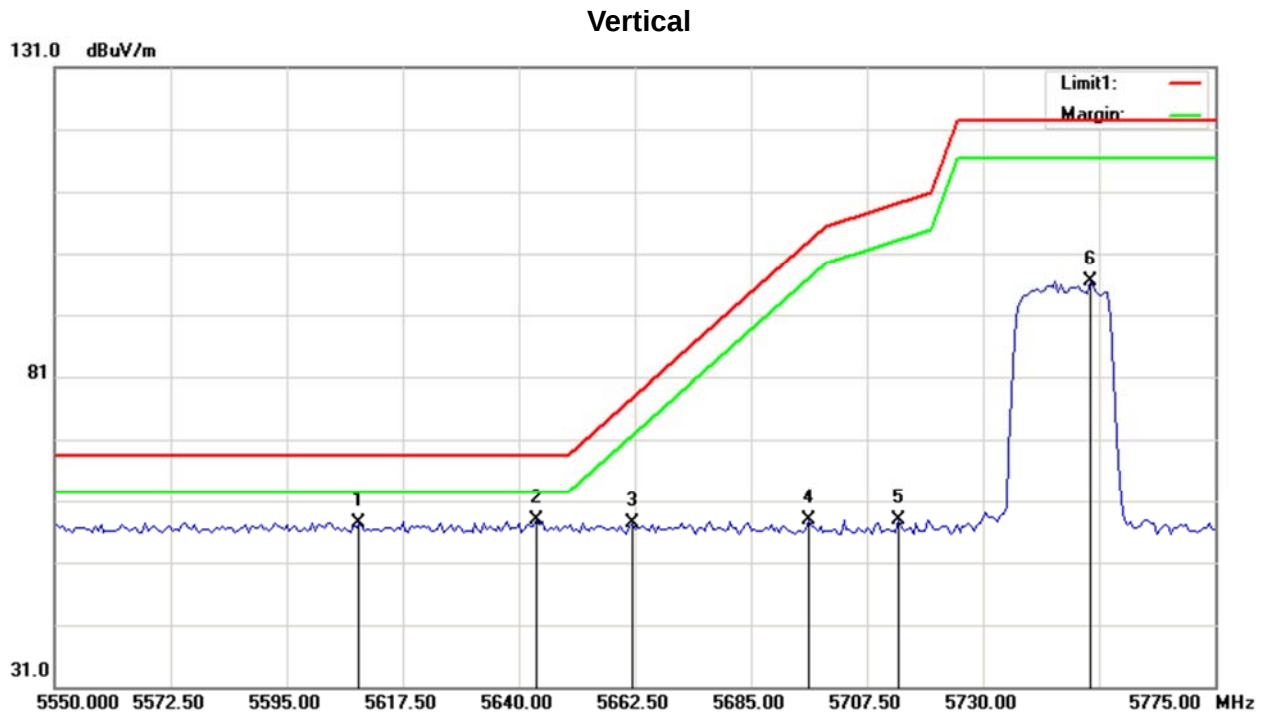
Orthogonal Axis	X
Test Mode	UNII-3_TX A Mode 5825 MHz

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5821.875	68.59	35.80	104.39	122.30	-17.91	peak
2	5841.250	33.80	35.79	69.59	122.30	-52.71	peak
3	5863.750	22.66	35.78	58.44	108.45	-50.01	peak
4	5892.500	21.74	35.78	57.52	92.35	-34.83	peak
5	5923.750	22.47	35.76	58.23	69.22	-10.99	peak
6	5971.875	21.68	35.74	57.42	68.30	-10.88	peak

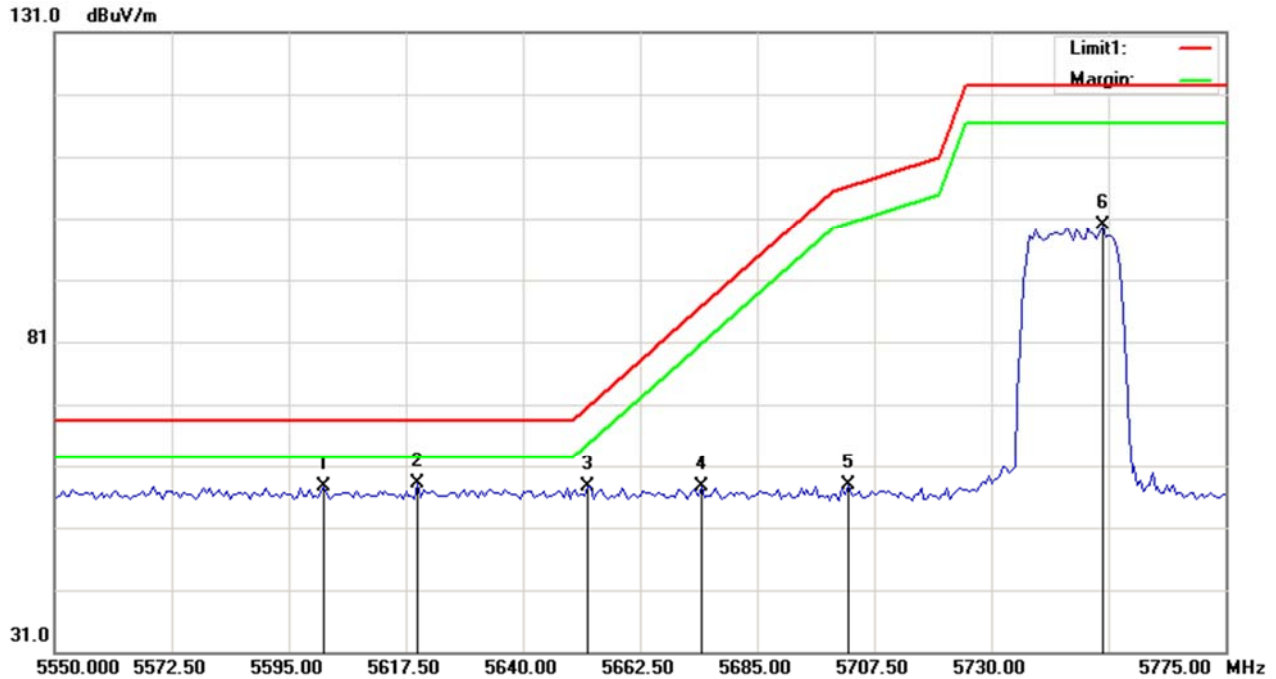
Orthogonal Axis	X
Test Mode	UNII-3_TX N (HT20) Mode 5745 MHz



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5609.063	21.46	35.88	57.34	68.30	-10.96	peak
2	5643.375	21.89	35.87	57.76	68.30	-10.54	peak
3	5661.938	21.63	35.86	57.49	77.13	-19.64	peak
4	5696.250	21.92	35.85	57.77	102.52	-44.75	peak
5	5713.688	22.07	35.84	57.91	109.13	-51.22	peak
6	5750.813	60.50	35.83	96.33	122.30	-25.97	peak

Orthogonal Axis	X
Test Mode	UNII-3_TX N (HT20) Mode 5745 MHz

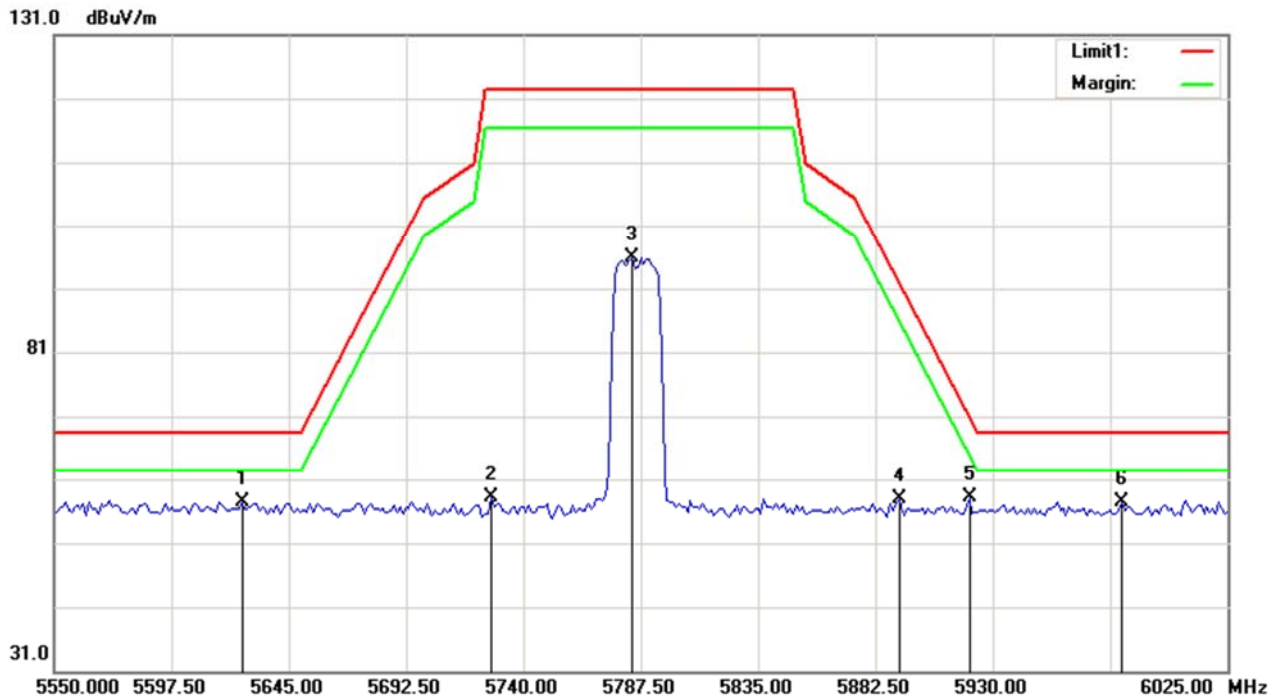
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5601.750	21.77	35.89	57.66	68.30	-10.64	peak
2	5619.750	22.19	35.87	58.06	68.30	-10.24	peak
3	5652.375	21.87	35.87	57.74	70.06	-12.32	peak
4	5674.313	21.72	35.86	57.58	86.29	-28.71	peak
5	5702.438	22.04	35.85	57.89	105.98	-48.09	peak
6	5751.375	63.93	35.83	99.76	122.30	-22.54	peak

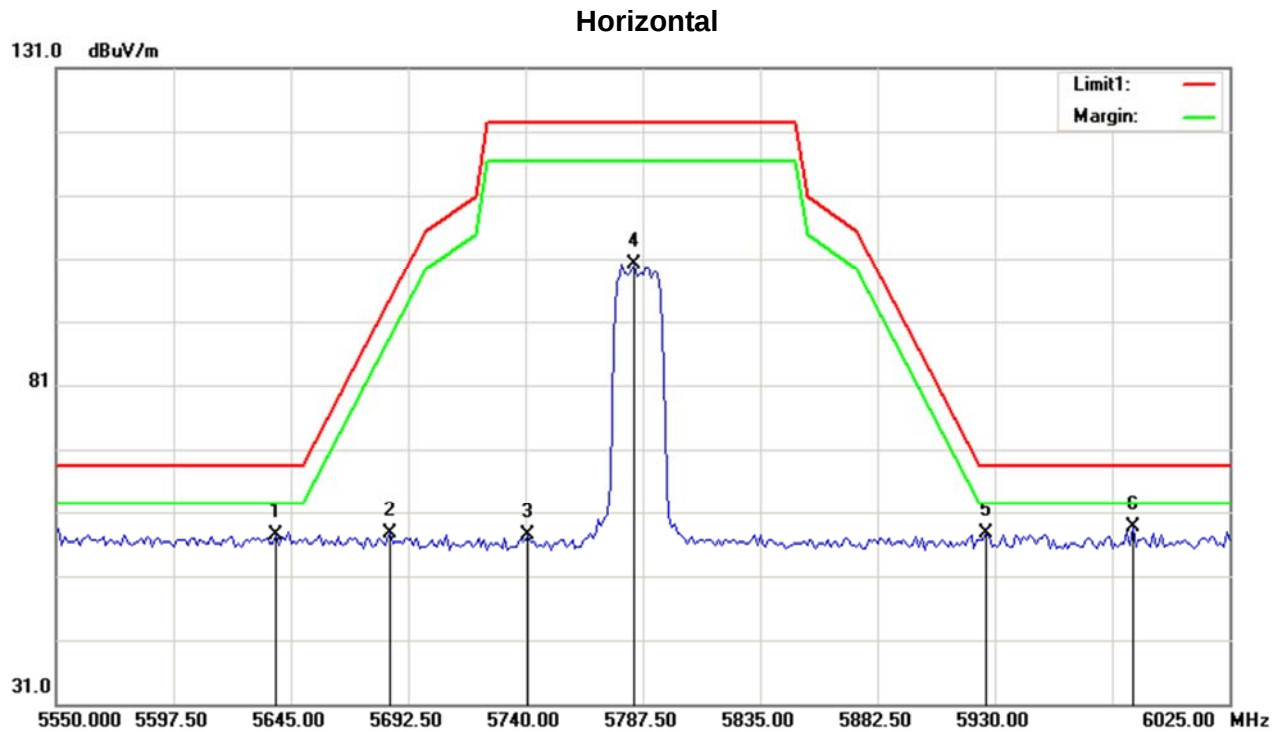
Orthogonal Axis	X
Test Mode	UNII-3_TX N (HT20) Mode 5785 MHz

Vertical



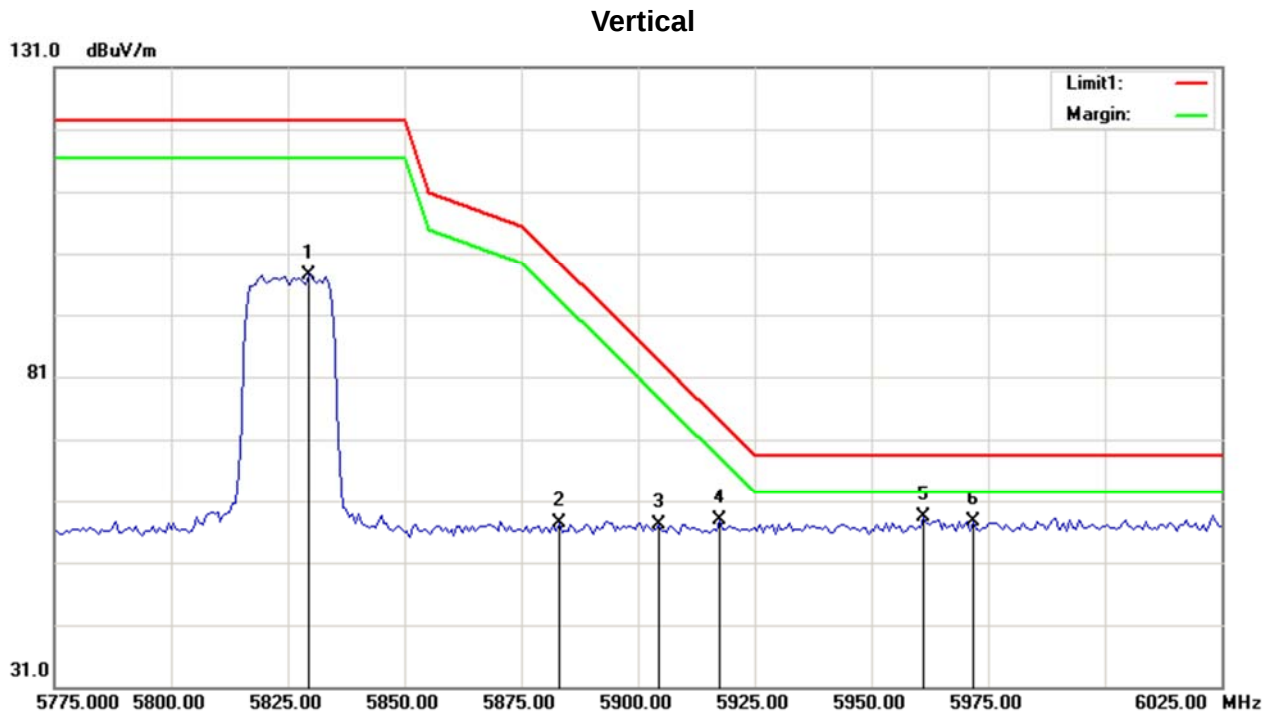
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5626.000	21.49	35.88	57.37	68.30	-10.93	peak
2	5726.938	22.29	35.84	58.13	122.30	-64.17	peak
3	5783.938	60.14	35.81	95.95	122.30	-26.35	peak
4	5892.000	22.03	35.78	57.81	92.72	-34.91	peak
5	5920.500	22.38	35.76	58.14	71.63	-13.49	peak
6	5982.250	21.56	35.73	57.29	68.30	-11.01	peak

Orthogonal Axis	X
Test Mode	UNII-3_TX N (HT20) Mode 5785 MHz



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5639.063	21.41	35.87	57.28	68.30	-11.02	peak
2	5685.375	21.68	35.85	57.53	94.48	-36.95	peak
3	5741.188	21.58	35.83	57.41	122.30	-64.89	peak
4	5783.938	64.28	35.81	100.09	122.30	-22.21	peak
5	5926.438	21.96	35.76	57.72	68.30	-10.58	peak
6	5985.813	22.85	35.73	58.58	68.30	-9.72	peak

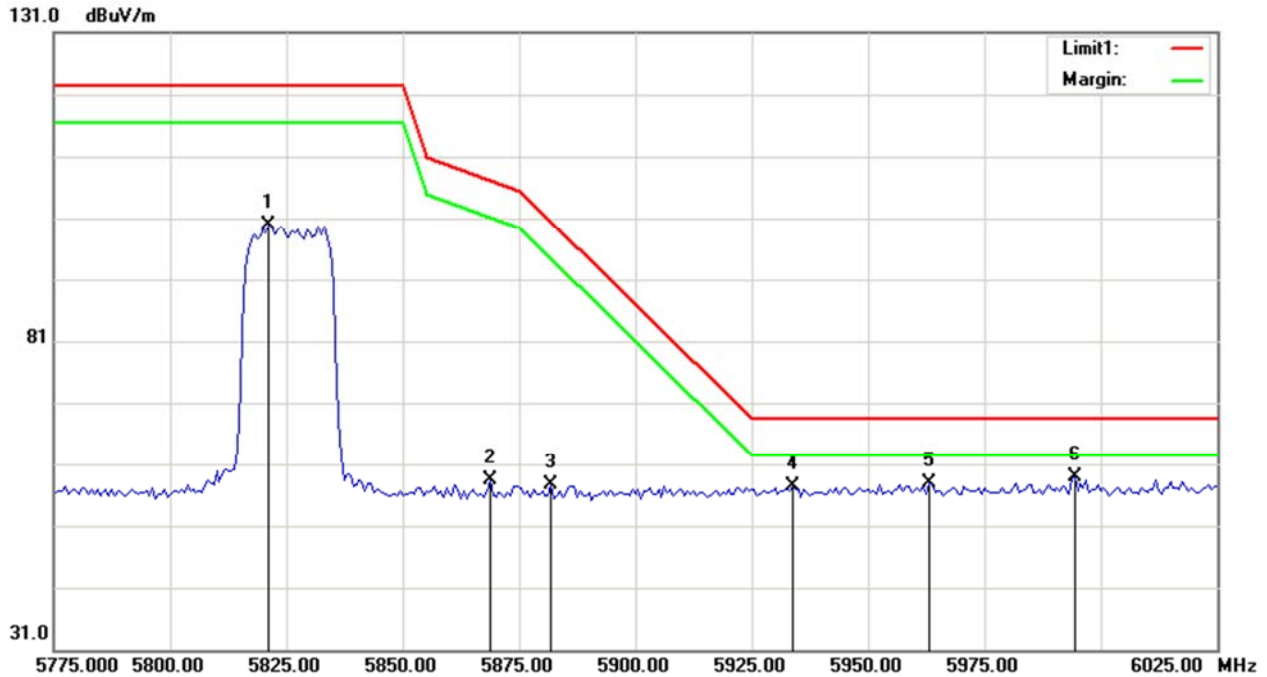
Orthogonal Axis	X
Test Mode	UNII-3_TX N (HT20) Mode 5825 MHz



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5829.375	61.55	35.80	97.35	122.30	-24.95	peak
2	5883.125	21.51	35.77	57.28	99.29	-42.01	peak
3	5904.375	21.47	35.77	57.24	83.56	-26.32	peak
4	5917.500	22.16	35.77	57.93	73.85	-15.92	peak
5	5961.250	22.52	35.74	58.26	68.30	-10.04	peak
6	5971.875	21.84	35.74	57.58	68.30	-10.72	peak

Orthogonal Axis	X
Test Mode	UNII-3_TX N (HT20) Mode 5825 MHz

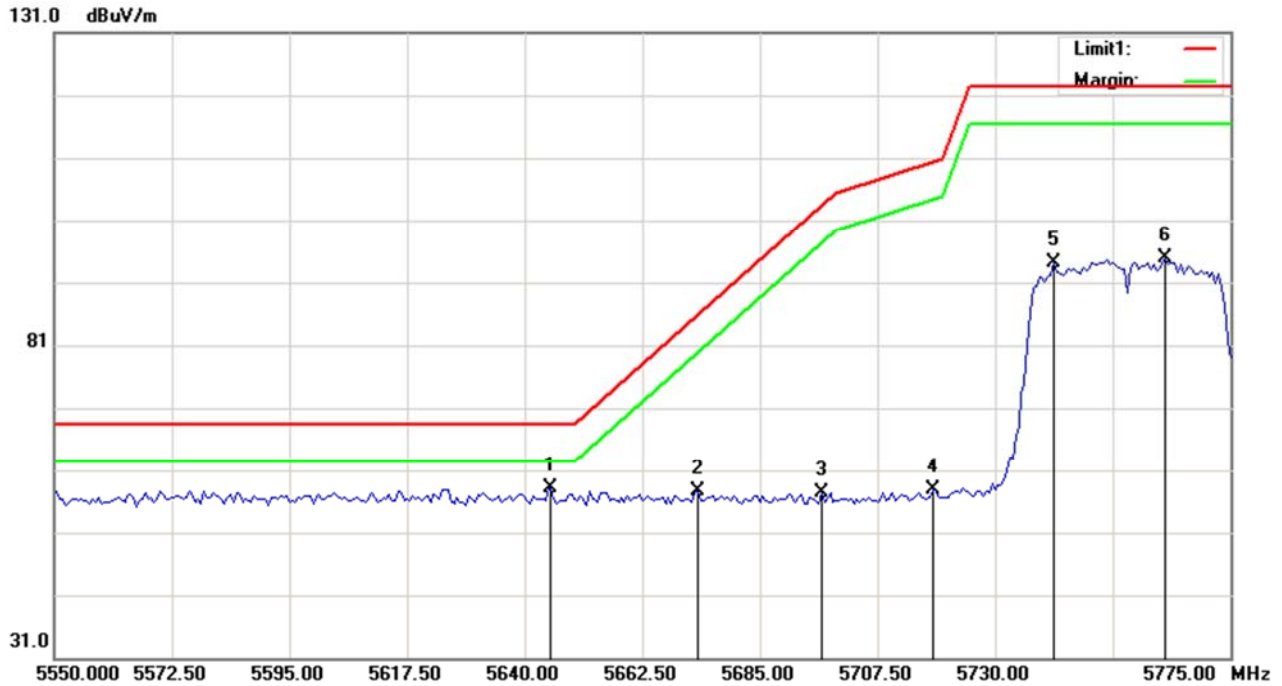
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5821.250	64.04	35.80	99.84	122.30	-22.46	peak
2	5868.750	22.56	35.78	58.34	107.05	-48.71	peak
3	5881.875	21.74	35.77	57.51	100.21	-42.70	peak
4	5933.750	21.55	35.75	57.30	68.30	-11.00	peak
5	5963.125	22.06	35.74	57.80	68.30	-10.50	peak
6	5994.375	23.09	35.73	58.82	68.30	-9.48	peak

Orthogonal Axis	X
Test Mode	UNII-3_TX N (HT40) Mode 5755 MHz

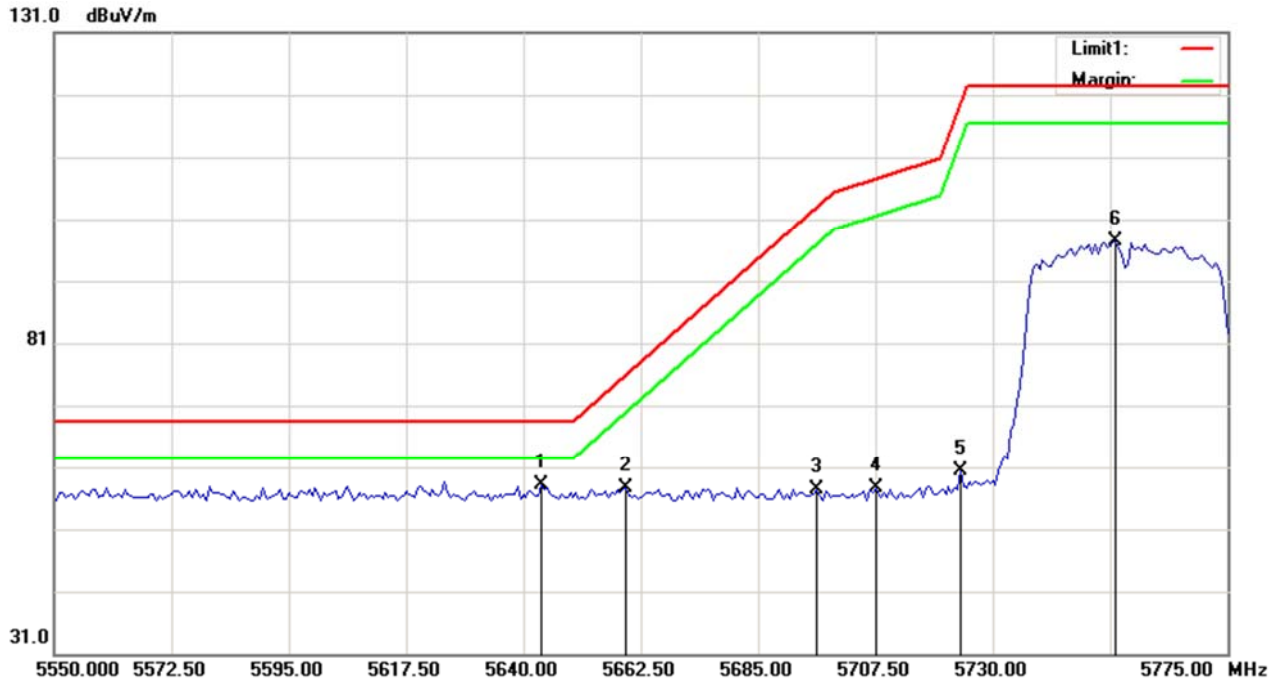
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5645.063	22.22	35.86	58.08	68.30	-10.22	peak
2	5673.188	21.68	35.86	57.54	85.46	-27.92	peak
3	5696.813	21.65	35.85	57.50	102.94	-45.44	peak
4	5718.188	21.96	35.84	57.80	110.39	-52.59	peak
5	5741.250	58.30	35.83	94.13	122.30	-28.17	peak
6	5762.625	59.04	35.82	94.86	122.30	-27.44	peak

Orthogonal Axis	X
Test Mode	UNII-3_TX N (HT40) Mode 5755 MHz

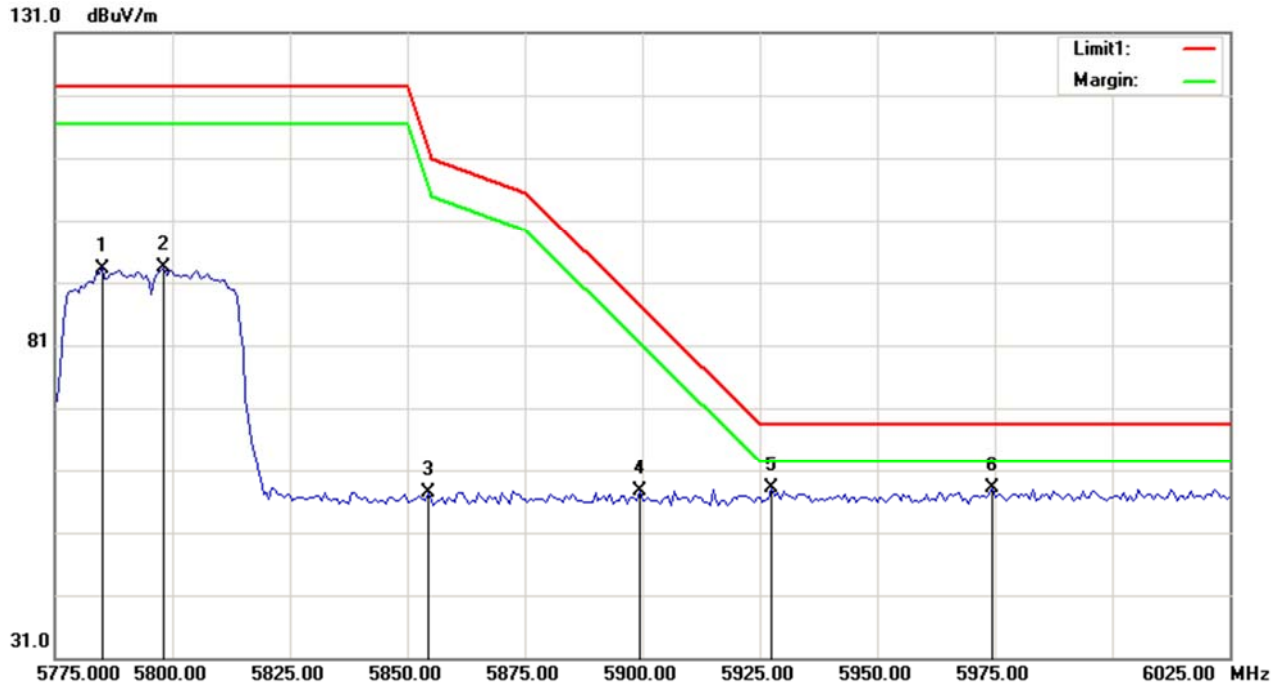
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5643.375	22.22	35.87	58.09	68.30	-10.21	peak
2	5659.688	21.82	35.86	57.68	75.47	-17.79	peak
3	5696.250	21.65	35.85	57.50	102.52	-45.02	peak
4	5707.500	21.69	35.84	57.53	107.40	-49.87	peak
5	5723.813	24.56	35.84	60.40	119.59	-59.19	peak
6	5753.625	61.65	35.83	97.48	122.30	-24.82	peak

Orthogonal Axis	X
Test Mode	UNII-3_TX N (HT40) Mode 5795 MHz

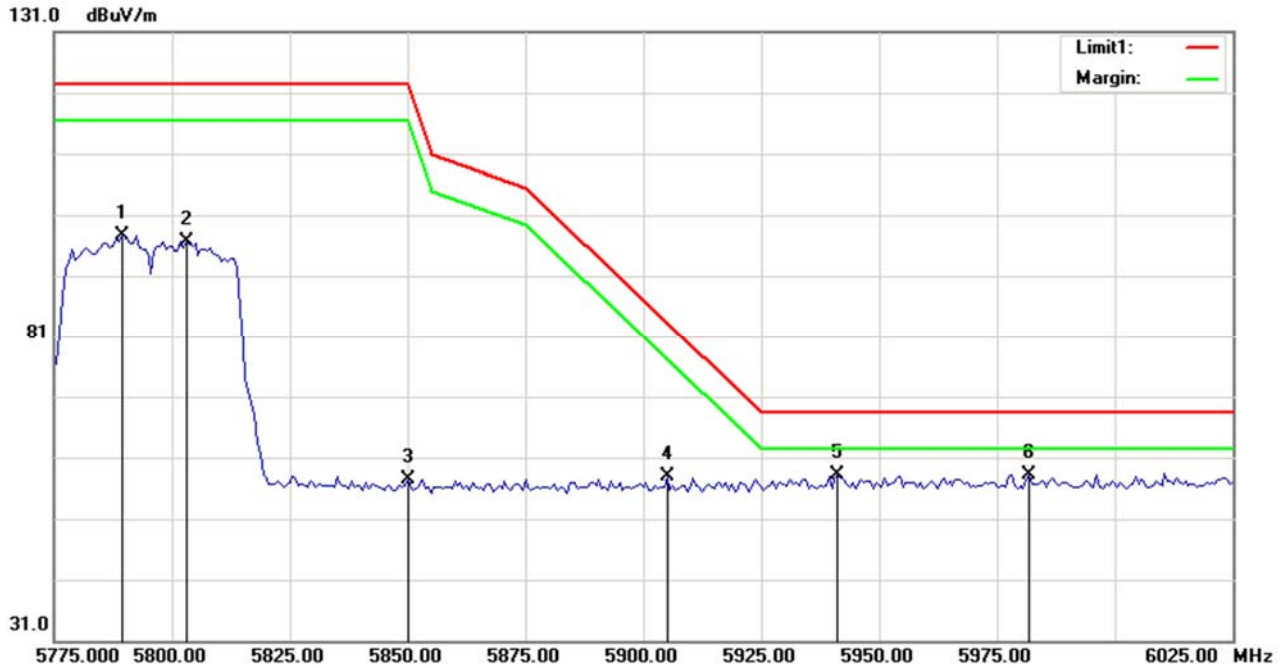
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5785.000	57.44	35.81	93.25	122.30	-29.05	peak
2	5798.125	57.66	35.81	93.47	122.30	-28.83	peak
3	5854.375	21.57	35.79	57.36	112.32	-54.96	peak
4	5899.375	21.76	35.77	57.53	87.26	-29.73	peak
5	5927.500	22.29	35.76	58.05	68.30	-10.25	peak
6	5974.375	22.50	35.74	58.24	68.30	-10.06	peak

Orthogonal Axis	X
Test Mode	UNII-3_TX N (HT40) Mode 5795 MHz

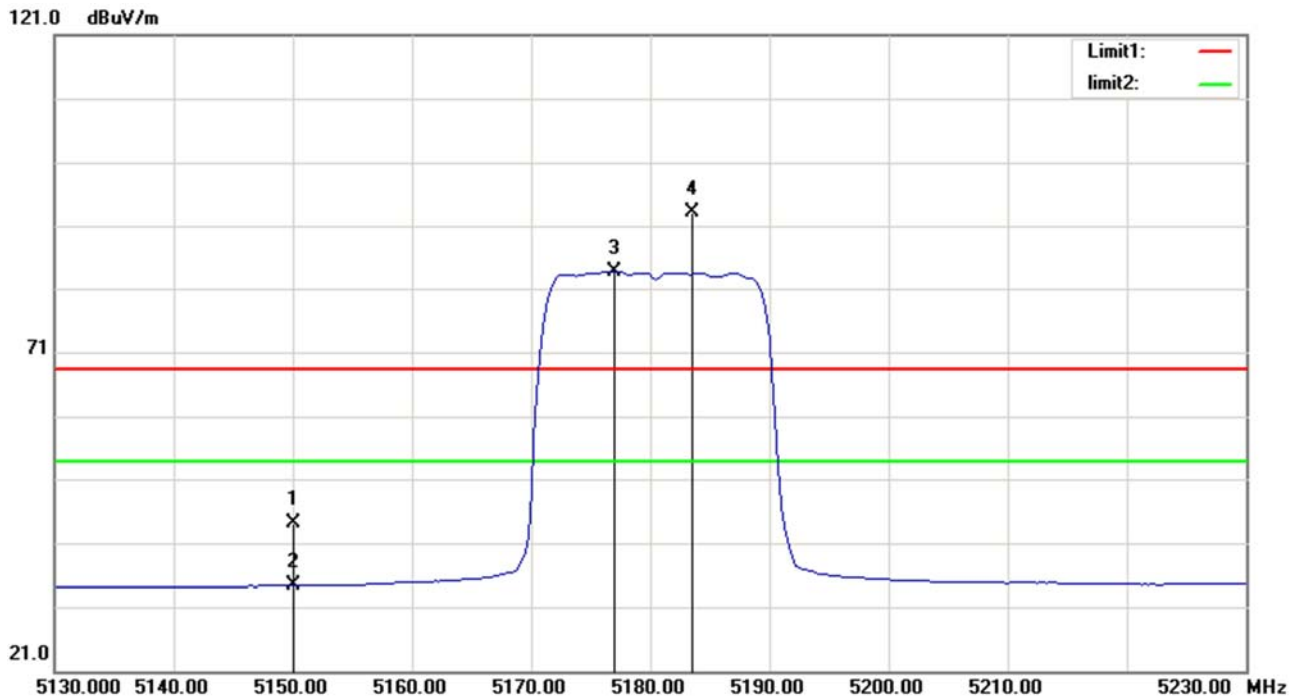
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5789.375	61.75	35.81	97.56	122.30	-24.74	peak
2	5803.125	60.79	35.81	96.60	122.30	-25.70	peak
3	5850.000	21.67	35.79	57.46	122.30	-64.84	peak
4	5905.000	22.14	35.77	57.91	83.10	-25.19	peak
5	5941.250	22.28	35.76	58.04	68.30	-10.26	peak
6	5981.875	22.36	35.73	58.09	68.30	-10.21	peak

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT20) Mode 5180 MHz

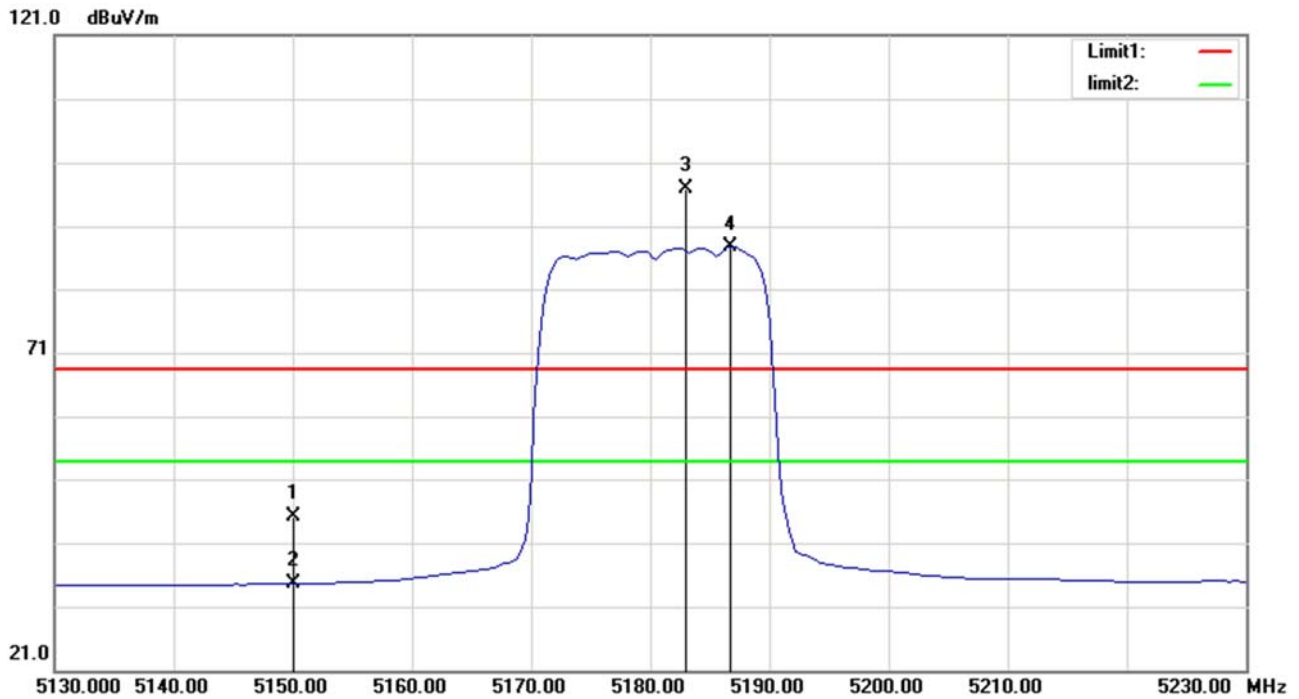
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	9.28	34.94	44.22	68.30	-24.08	peak
2	5150.000	-0.62	34.94	34.32	54.00	-19.68	AVG
3	5177.000	48.64	35.01	83.65	/	/	AVG
4	5183.500	58.02	35.04	93.06	/	/	peak

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT20) Mode 5180 MHz

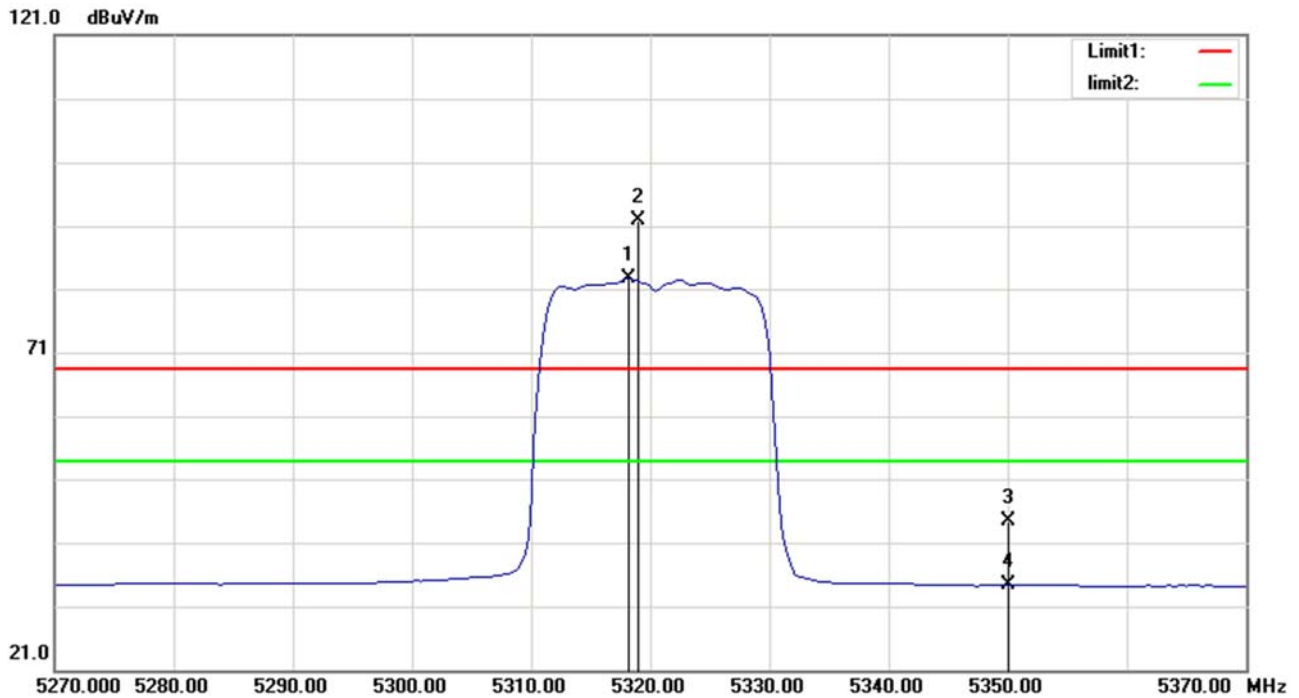
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	10.16	34.94	45.10	68.30	-23.20	peak
2	5150.000	-0.28	34.94	34.66	54.00	-19.34	AVG
3	5183.000	61.87	35.03	96.90	/	/	peak
4	5186.750	52.62	35.05	87.67	/	/	AVG

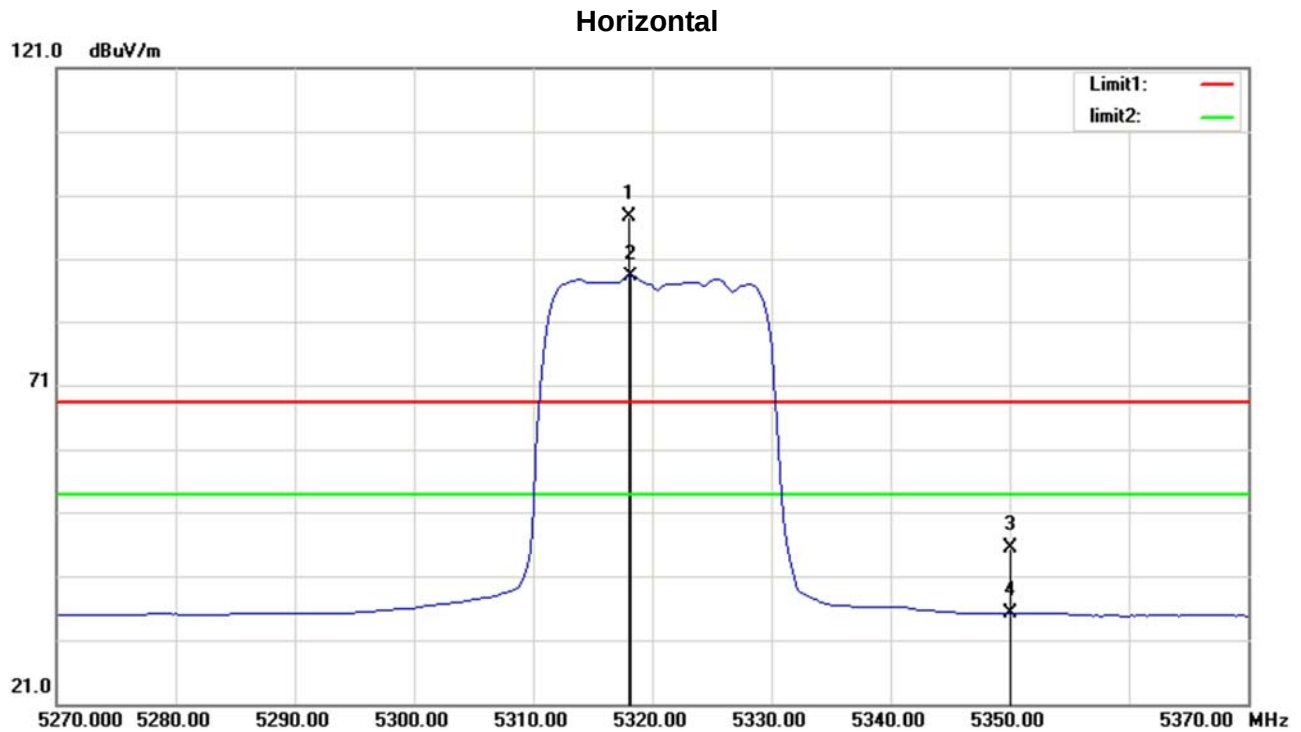
Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT20) Mode 5320 MHz

Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5318.250	47.17	35.41	82.58	/	/	AVG
2	5319.000	56.43	35.42	91.85	/	/	peak
3	5350.000	8.91	35.50	44.41	68.30	-23.89	peak
4	5350.000	-1.15	35.50	34.35	54.00	-19.65	AVG

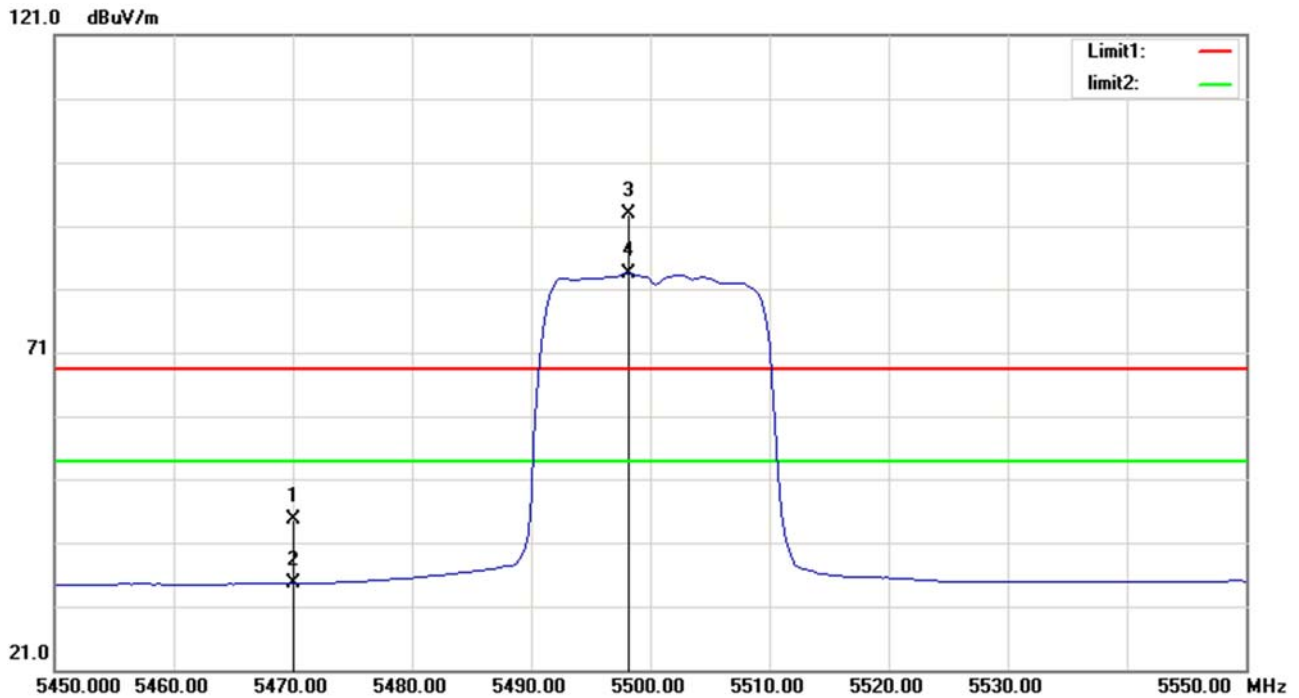
Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT20) Mode 5320 MHz



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5318.000	62.13	35.41	97.54	/	/	peak
2	5318.250	52.76	35.41	88.17	/	/	AVG
3	5350.000	9.93	35.50	45.43	68.30	-22.87	peak
4	5350.000	-0.37	35.50	35.13	54.00	-18.87	AVG

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT20) Mode 5500 MHz

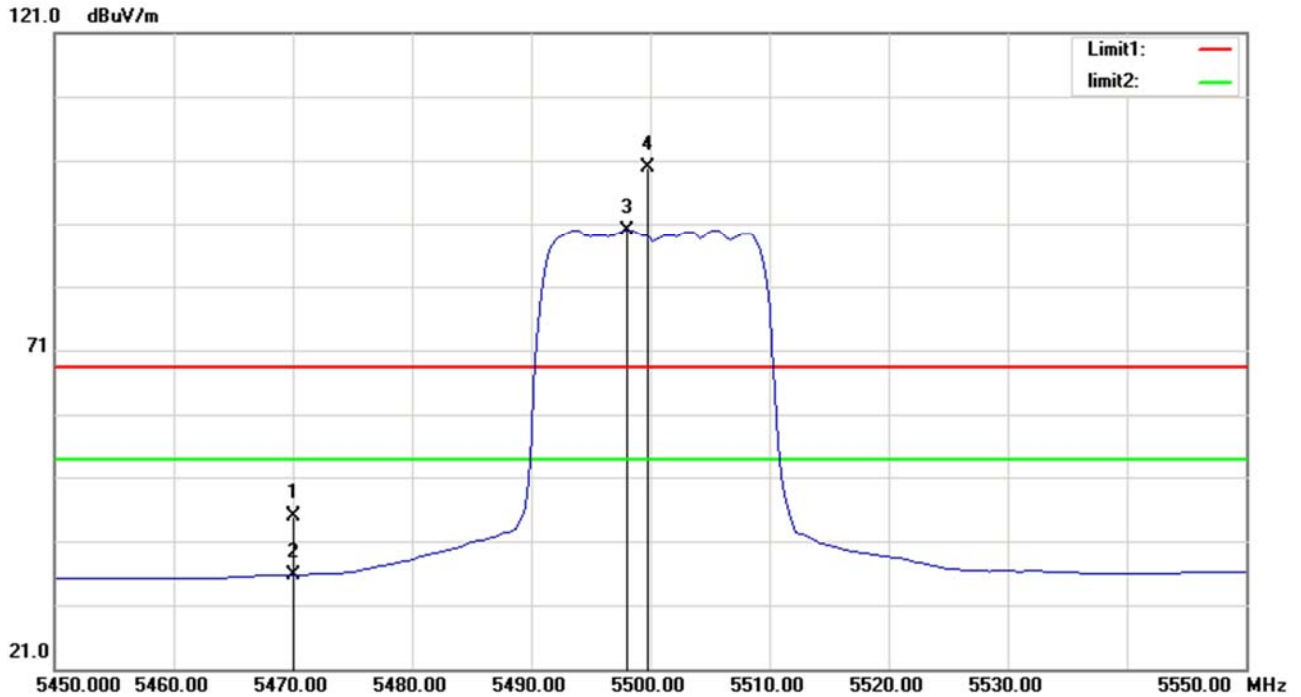
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5470.000	8.76	35.84	44.60	68.30	-23.70	peak
2	5470.000	-1.14	35.84	34.70	54.00	-19.30	AVG
3	5498.250	56.95	35.92	92.87	/	/	peak
4	5498.250	47.52	35.92	83.44	/	/	AVG

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT20) Mode 5500 MHz

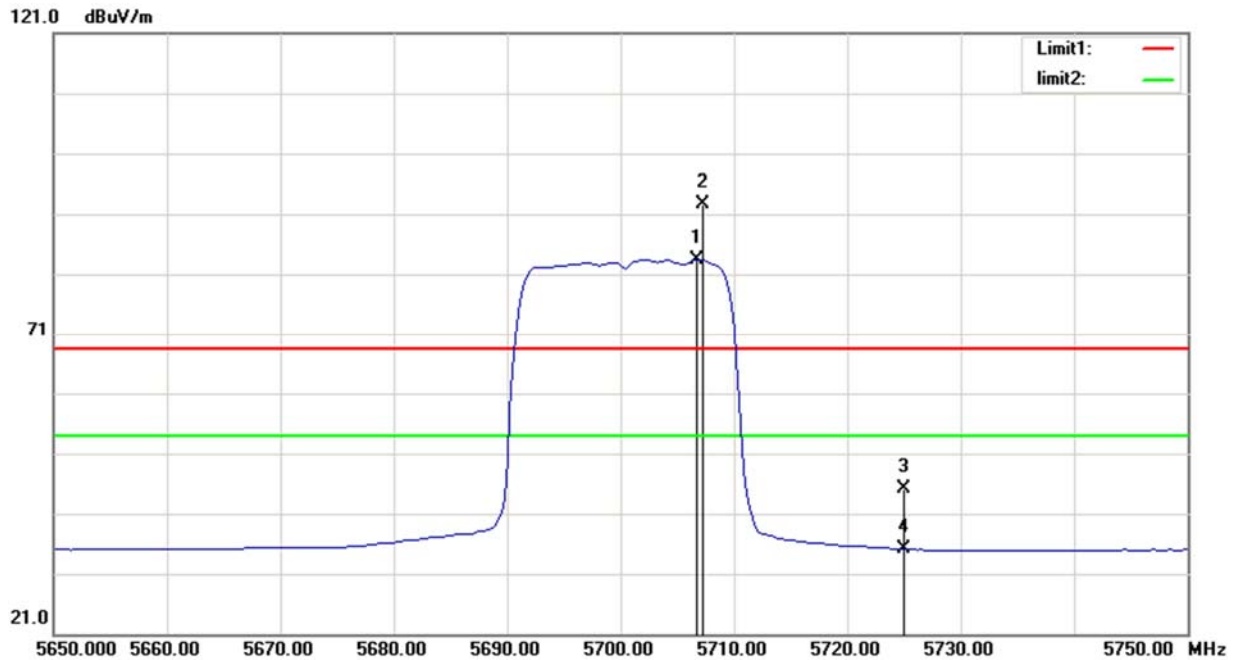
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5470.000	9.14	35.84	44.98	68.30	-23.32	peak
2	5470.000	-0.17	35.84	35.67	54.00	-18.33	AVG
3	5498.000	53.97	35.92	89.89	/	/	AVG
4	5499.750	63.92	35.92	99.84	/	/	peak

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT20) Mode 5700 MHz

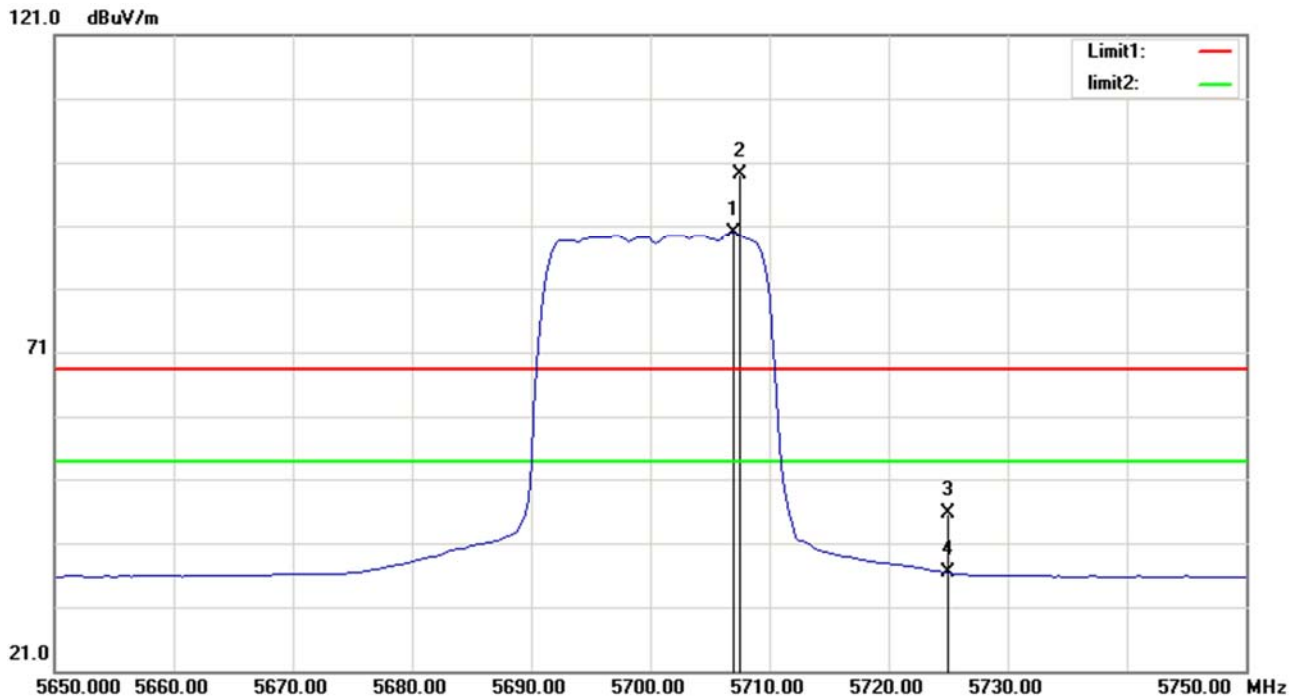
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5706.750	47.57	35.84	83.41	/	/	AVG
2	5707.250	56.88	35.84	92.72	/	/	peak
3	5725.000	9.34	35.84	45.18	68.30	-23.12	peak
4	5725.000	-0.71	35.84	35.13	54.00	-18.87	AVG

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT20) Mode 5700 MHz

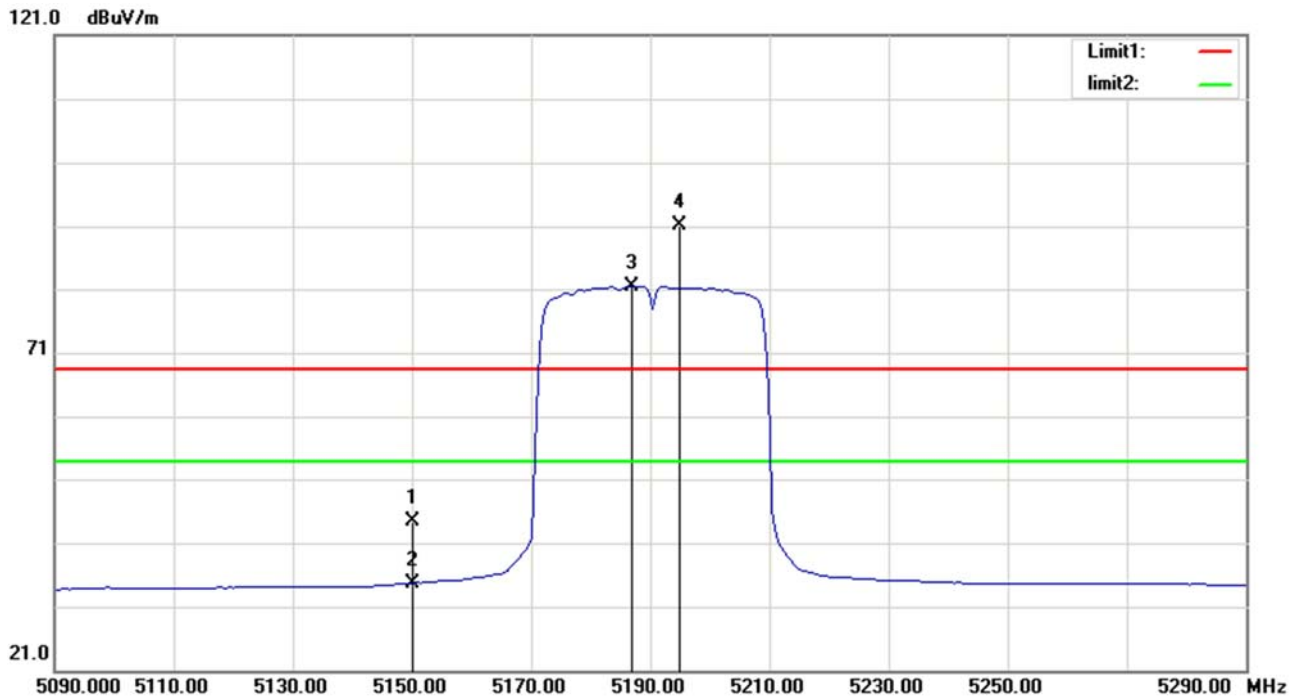
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5707.000	54.01	35.84	89.85	/	/	AVG
2	5707.500	63.29	35.84	99.13	/	/	peak
3	5725.000	9.79	35.84	45.63	68.30	-22.67	peak
4	5725.000	0.45	35.84	36.29	54.00	-17.71	AVG

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT40) Mode 5190 MHz

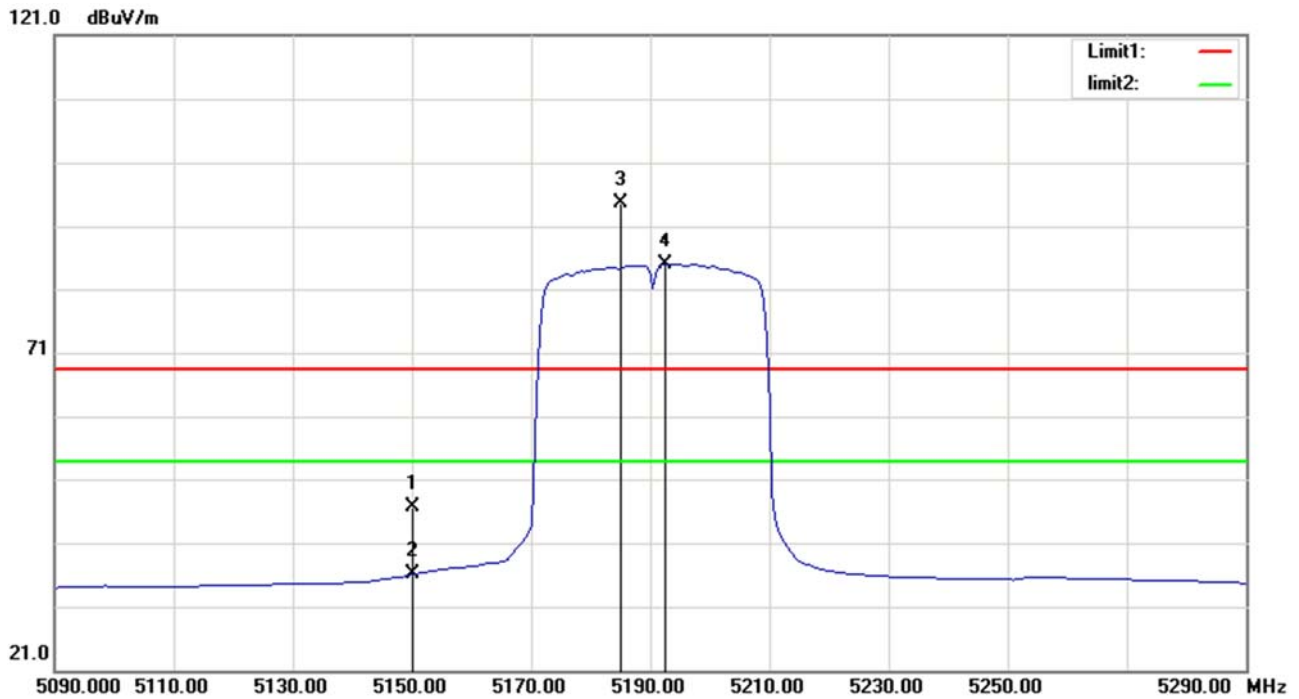
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	9.37	34.94	44.31	68.30	-23.99	peak
2	5150.000	-0.26	34.94	34.68	54.00	-19.32	AVG
3	5187.000	46.29	35.05	81.34	/	/	AVG
4	5195.000	55.94	35.07	91.01	/	/	peak

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT40) Mode 5190 MHz

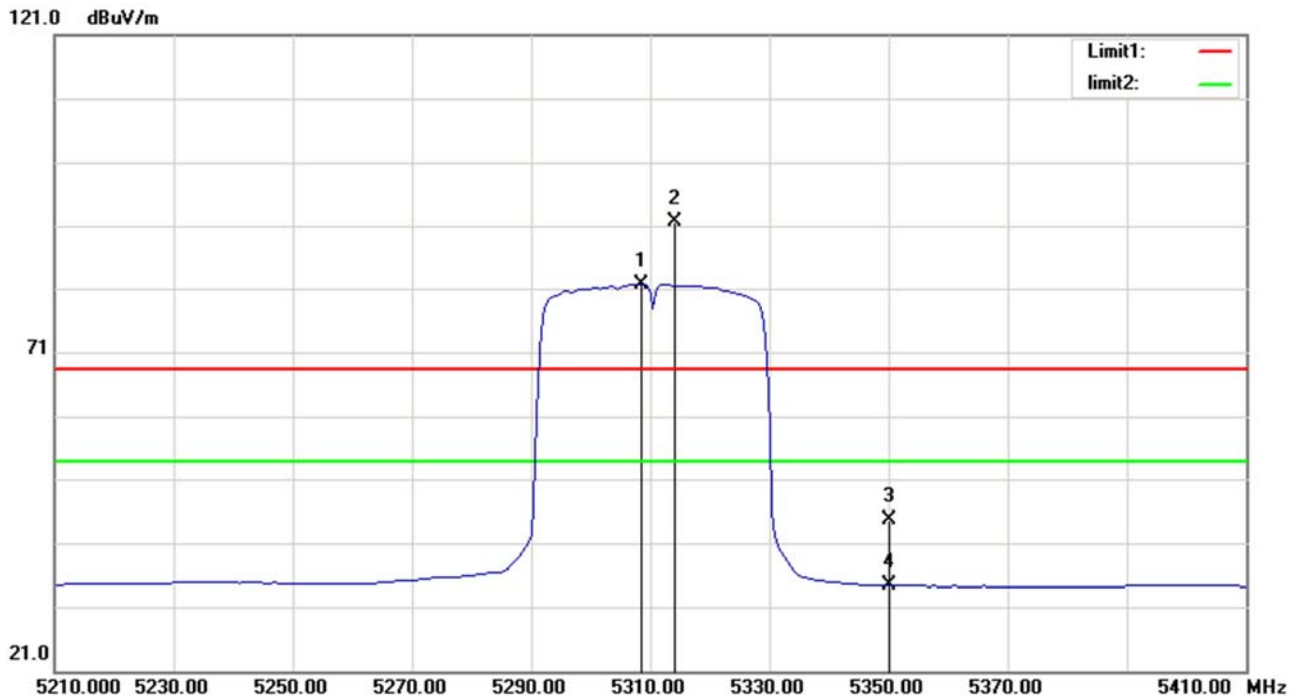
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	11.60	34.94	46.54	68.30	-21.76	peak
2	5150.000	1.08	34.94	36.02	54.00	-17.98	AVG
3	5185.000	59.57	35.04	94.61	/	/	peak
4	5192.500	49.83	35.06	84.89	/	/	AVG

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT40) Mode 5310 MHz

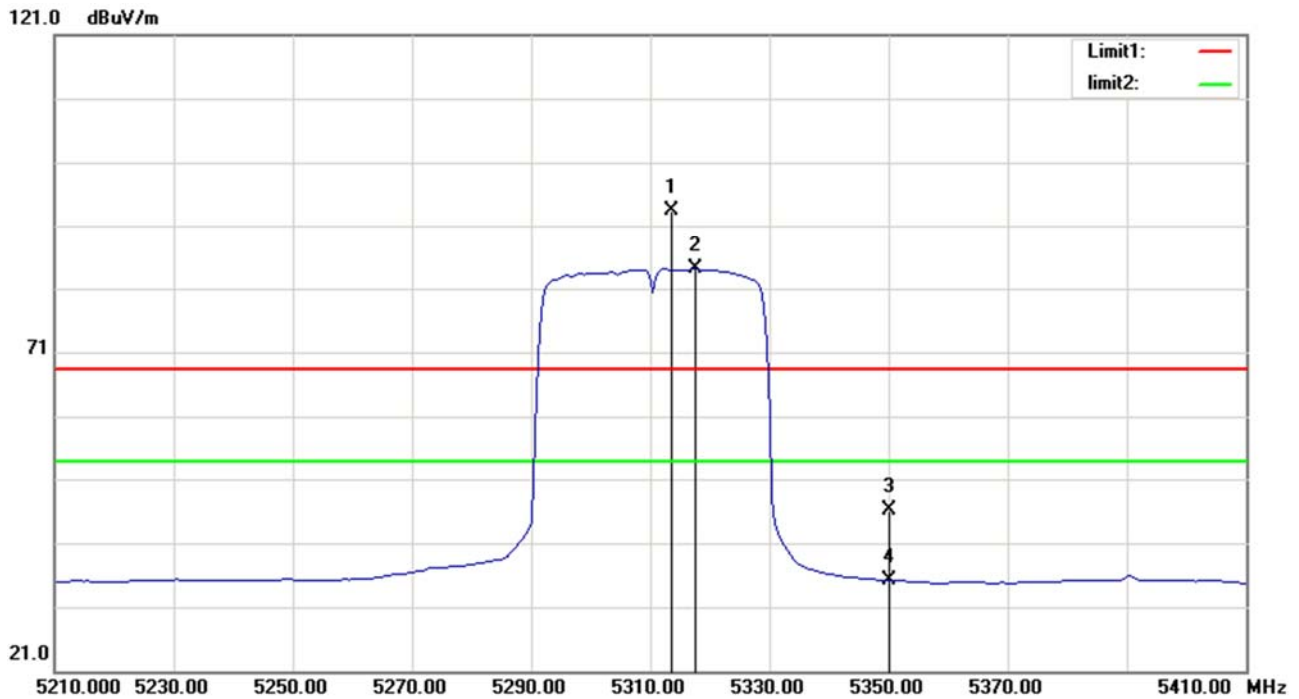
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5308.500	46.28	35.39	81.67	/	/	AVG
2	5314.000	56.20	35.40	91.60	/	/	peak
3	5350.000	9.20	35.50	44.70	68.30	-23.60	peak
4	5350.000	-1.08	35.50	34.42	54.00	-19.58	AVG

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT40) Mode 5310 MHz

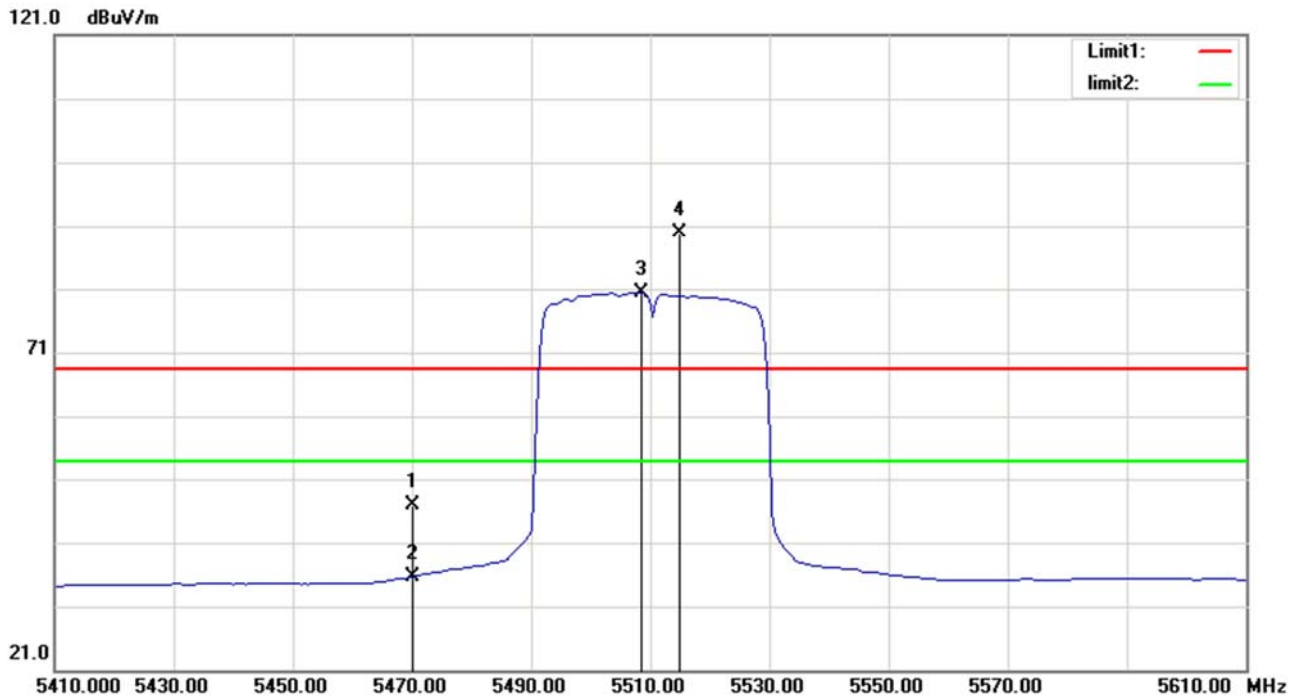
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5313.500	58.09	35.40	93.49	/	/	peak
2	5317.500	48.69	35.41	84.10	/	/	AVG
3	5350.000	10.74	35.50	46.24	68.30	-22.06	peak
4	5350.000	-0.45	35.50	35.05	54.00	-18.95	AVG

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT40) Mode 5510 MHz

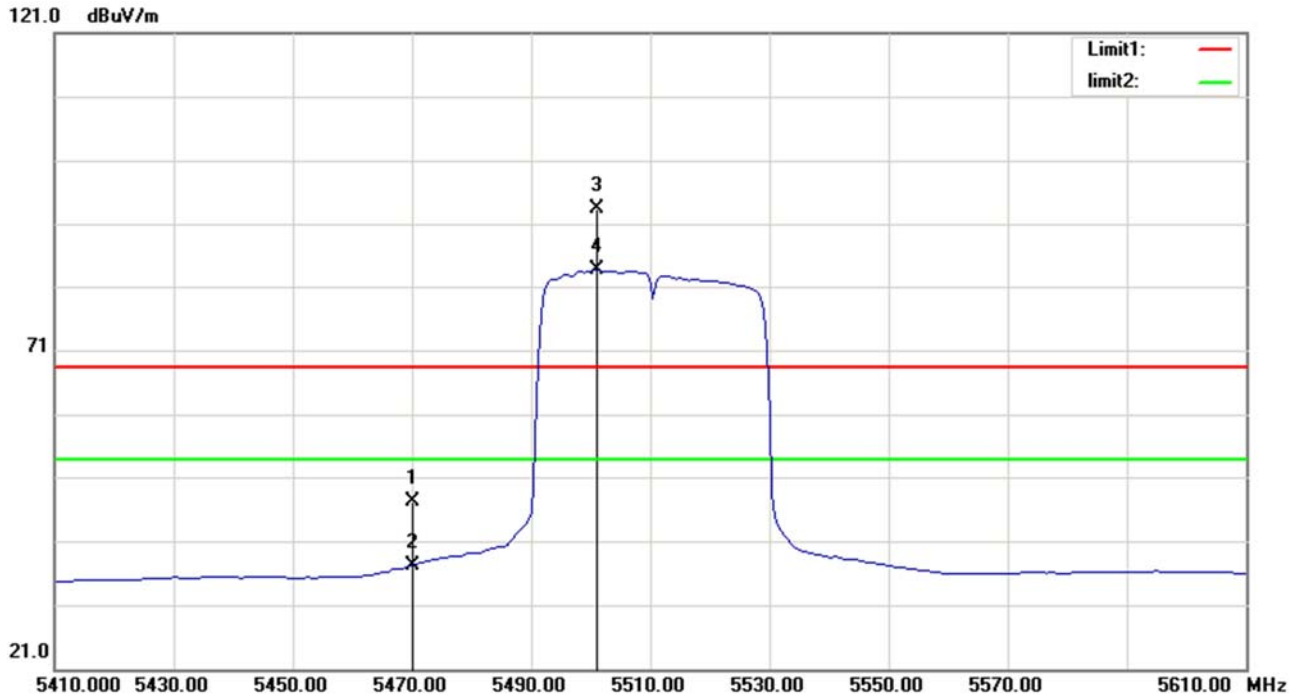
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5470.000	11.04	35.84	46.88	68.30	-21.42	peak
2	5470.000	-0.21	35.84	35.63	54.00	-18.37	AVG
3	5508.500	44.44	35.92	80.36	/	/	AVG
4	5515.000	53.93	35.92	89.85	/	/	peak

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT40) Mode 5510 MHz

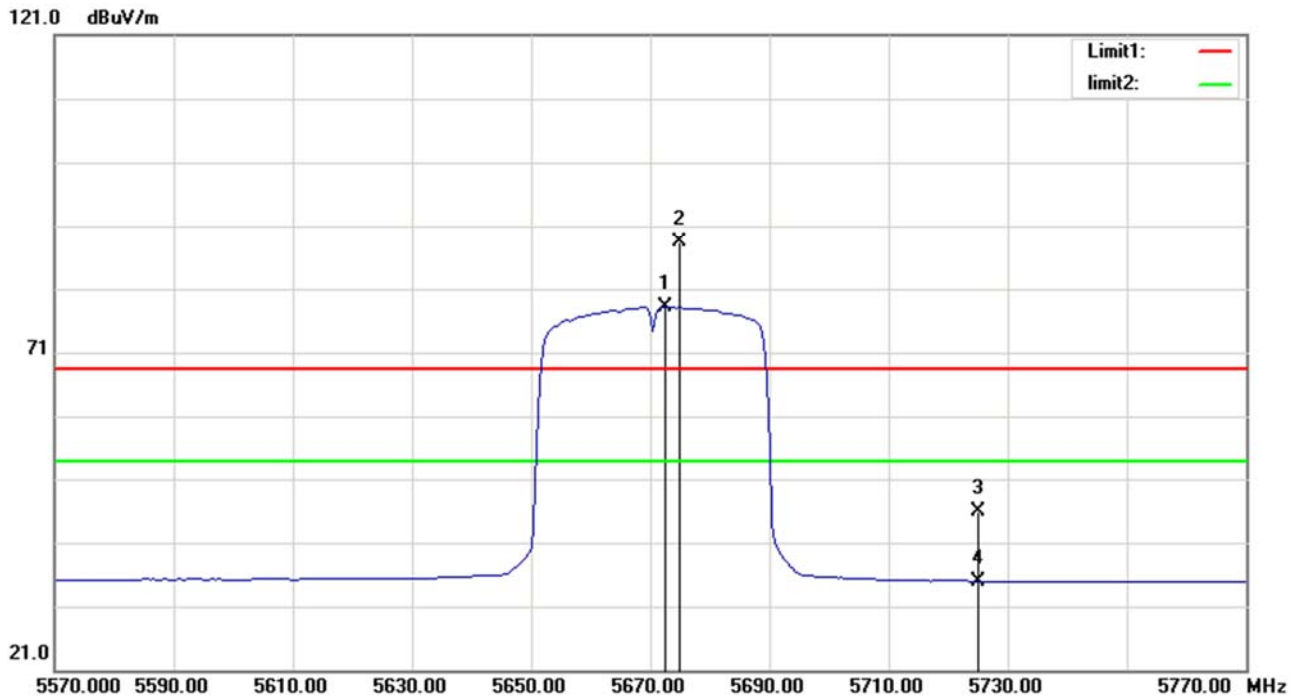
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5470.000	11.29	35.84	47.13	68.30	-21.17	peak
2	5470.000	1.39	35.84	37.23	54.00	-16.77	AVG
3	5501.000	57.37	35.93	93.30	/	/	peak
4	5501.000	47.59	35.93	83.52	/	/	AVG

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT40) Mode 5670 MHz

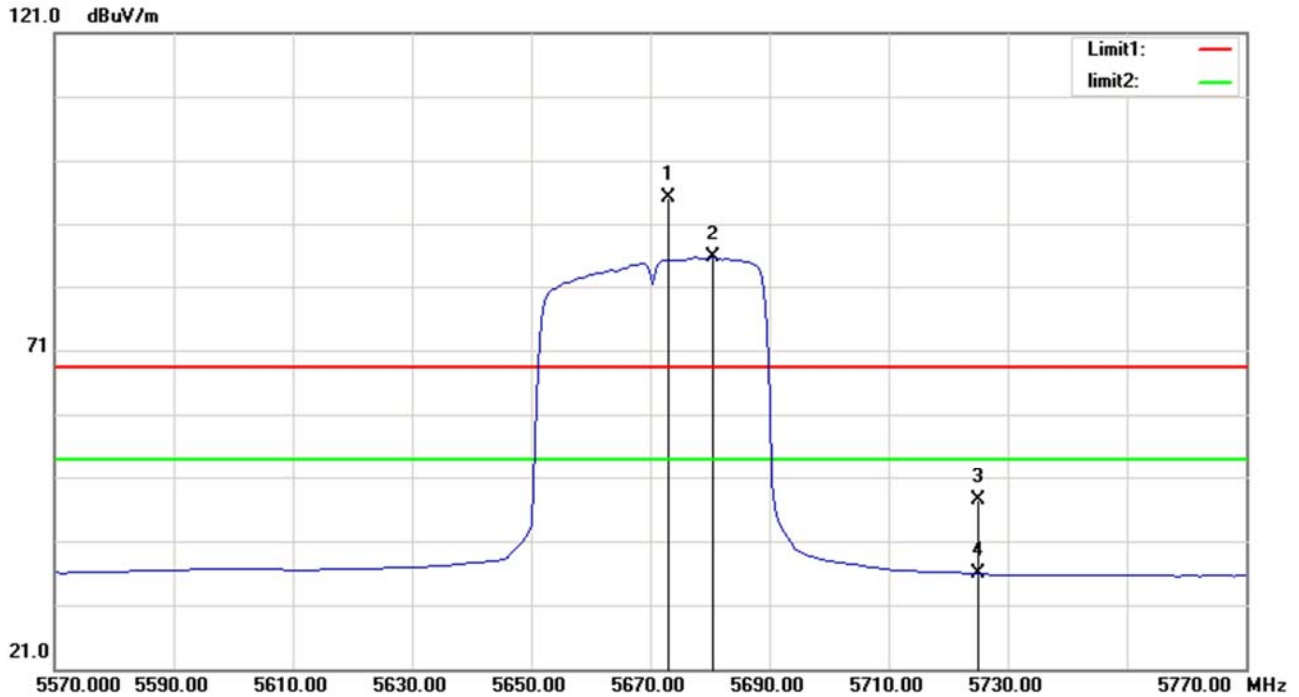
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5672.500	42.32	35.86	78.18	/	/	AVG
2	5675.000	52.50	35.86	88.36	/	/	peak
3	5725.000	10.12	35.84	45.96	68.30	-22.34	peak
4	5725.000	-0.91	35.84	34.93	54.00	-19.07	AVG

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT40) Mode 5670 MHz

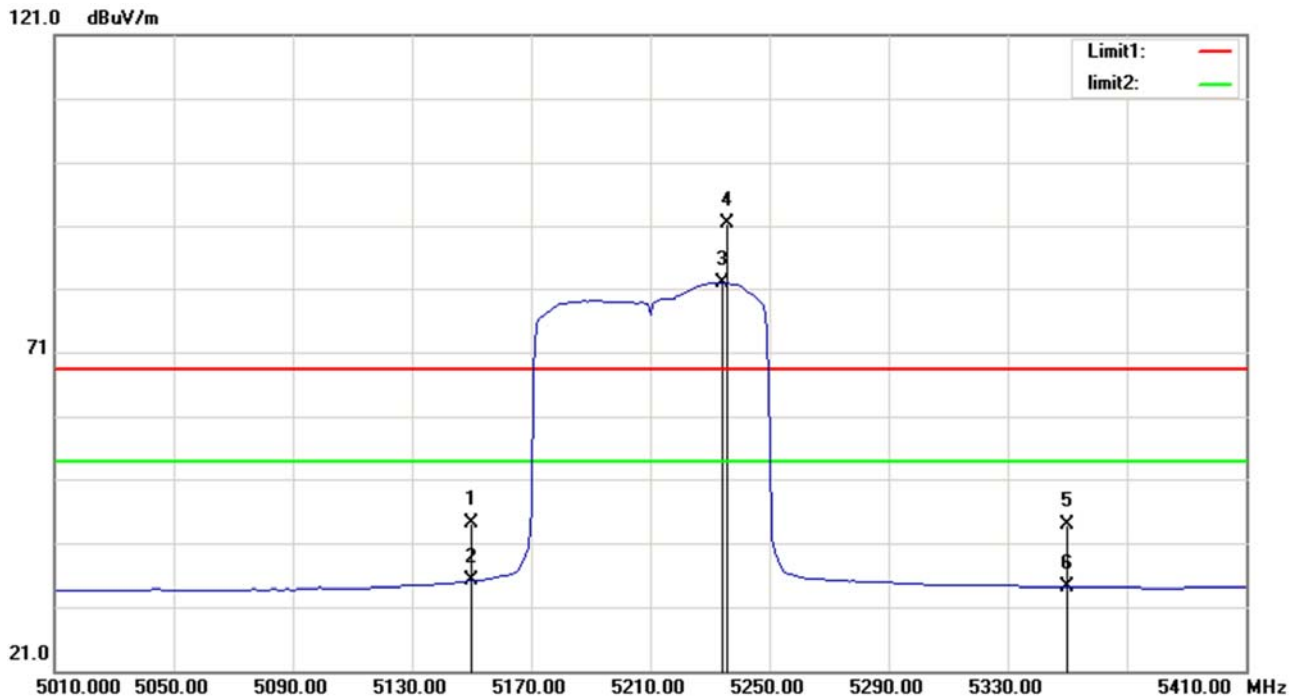
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5673.000	59.19	35.86	95.05	/	/	peak
2	5680.500	49.68	35.86	85.54	/	/	AVG
3	5725.000	11.63	35.84	47.47	68.30	-20.83	peak
4	5725.000	-0.04	35.84	35.80	54.00	-18.20	AVG

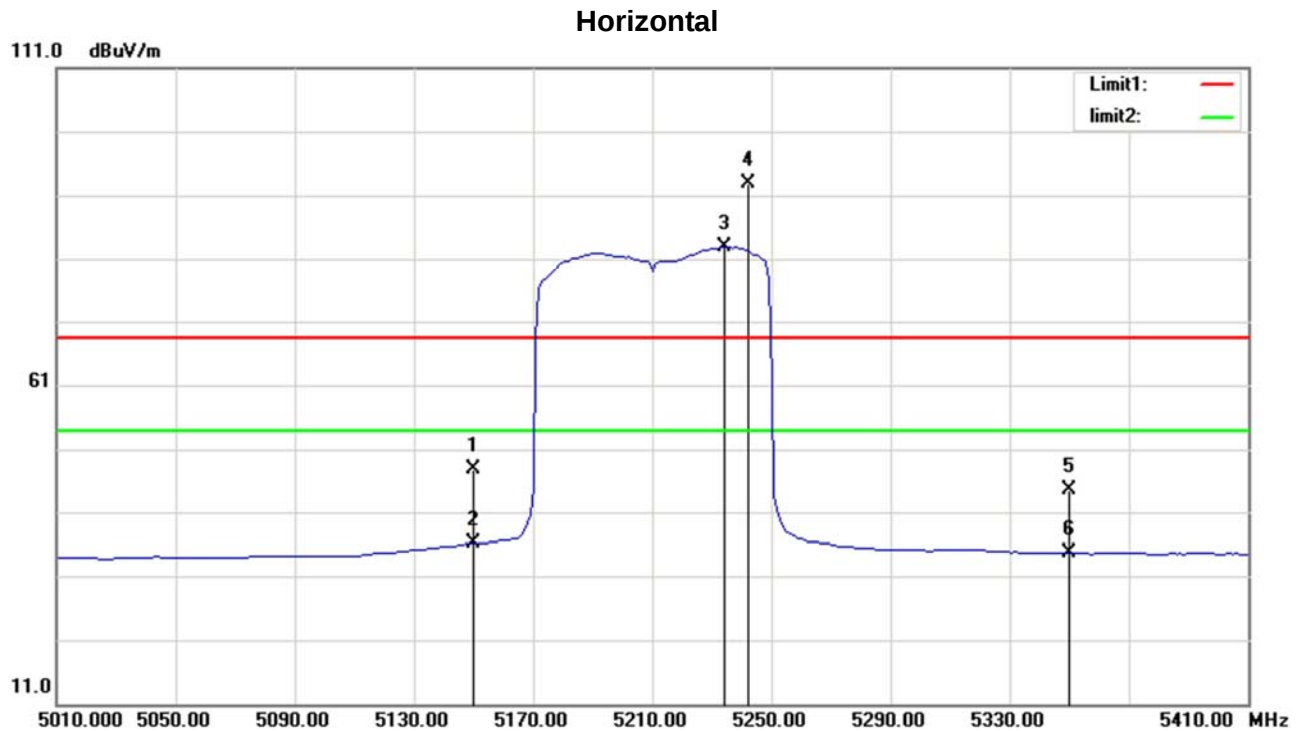
Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT80) Mode 5210 MHz

Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	9.24	34.94	44.18	68.30	-24.12	peak
2	5150.000	0.09	34.94	35.03	54.00	-18.97	AVG
3	5234.000	46.79	35.18	81.97	/	/	AVG
4	5236.000	56.23	35.19	91.42	/	/	peak
5	5350.000	8.49	35.50	43.99	68.30	-24.31	peak
6	5350.000	-1.36	35.50	34.14	54.00	-19.86	AVG

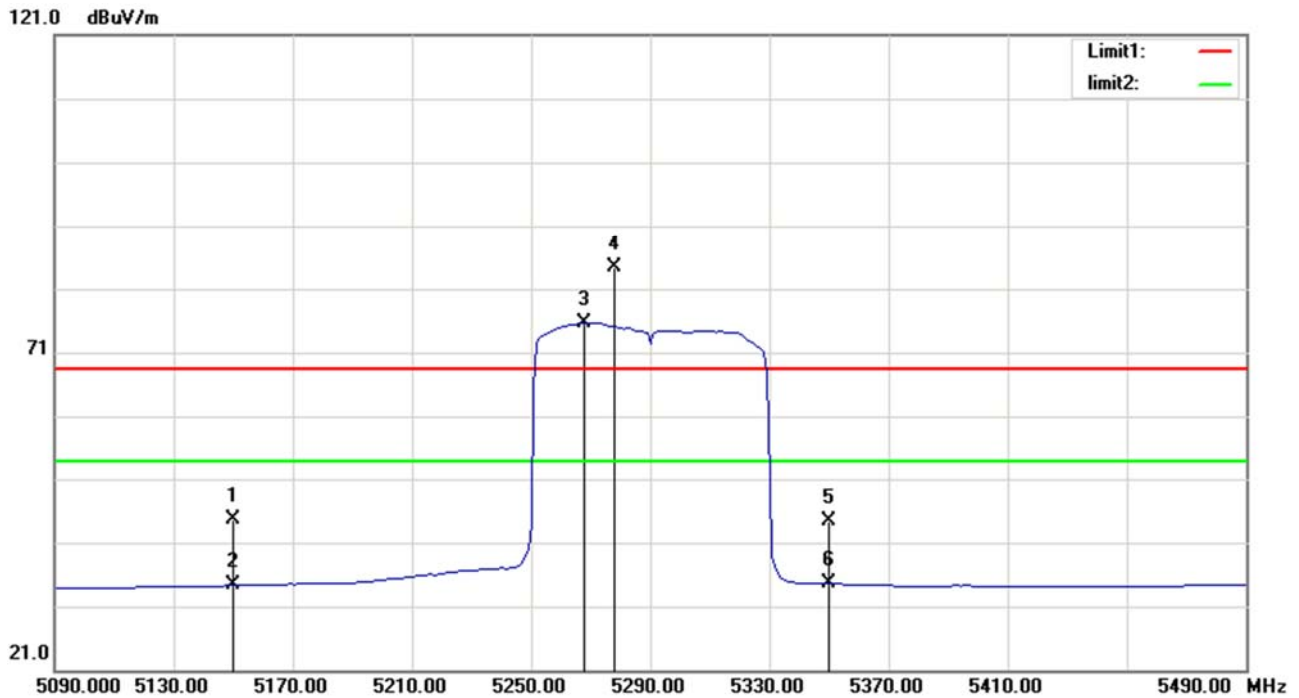
Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT80) Mode 5210 MHz



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	12.99	34.94	47.93	68.30	-20.37	peak
2	5150.000	1.20	34.94	36.14	54.00	-17.86	AVG
3	5234.000	47.66	35.18	82.84	/	/	AVG
4	5242.000	57.76	35.20	92.96	/	/	peak
5	5350.000	9.24	35.50	44.74	68.30	-23.56	peak
6	5350.000	-0.93	35.50	34.57	54.00	-19.43	AVG

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT80) Mode 5290 MHz

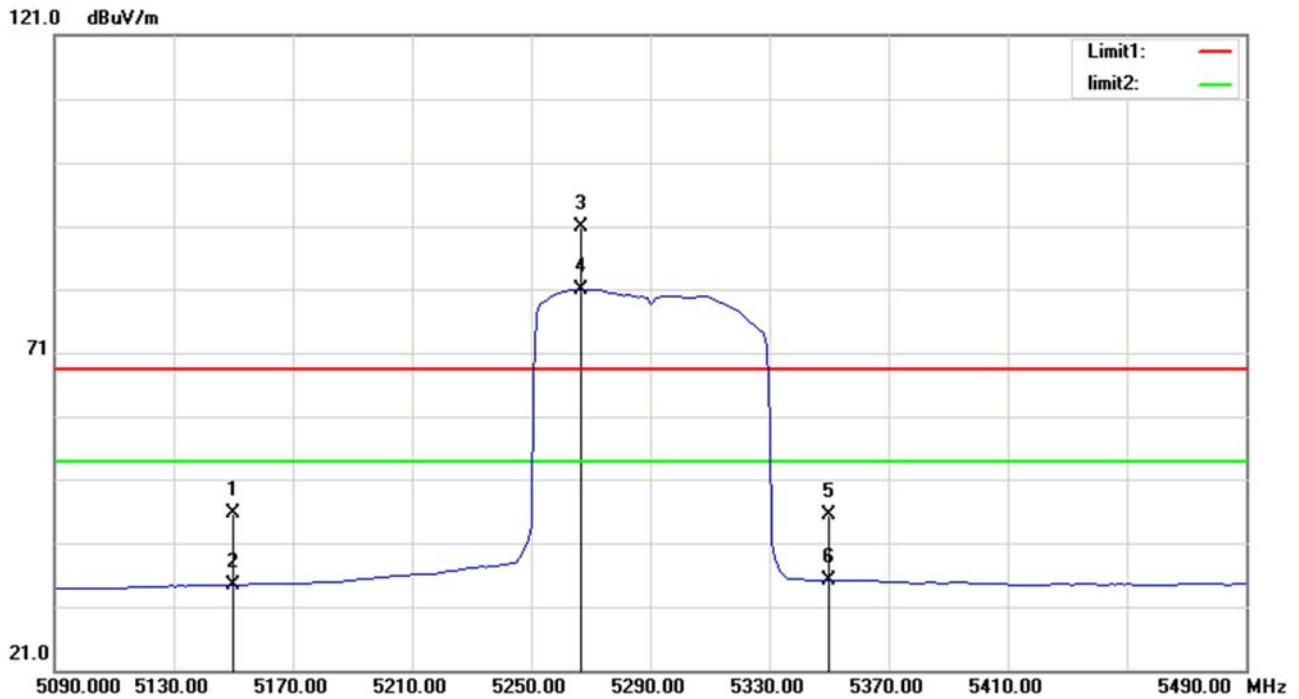
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	9.58	34.94	44.52	68.30	-23.78	peak
2	5150.000	-0.63	34.94	34.31	54.00	-19.69	AVG
3	5268.000	40.35	35.27	75.62	/	/	AVG
4	5278.000	49.20	35.30	84.50	/	/	peak
5	5350.000	8.91	35.50	44.41	68.30	-23.89	peak
6	5350.000	-0.93	35.50	34.57	54.00	-19.43	AVG

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT80) Mode 5290 MHz

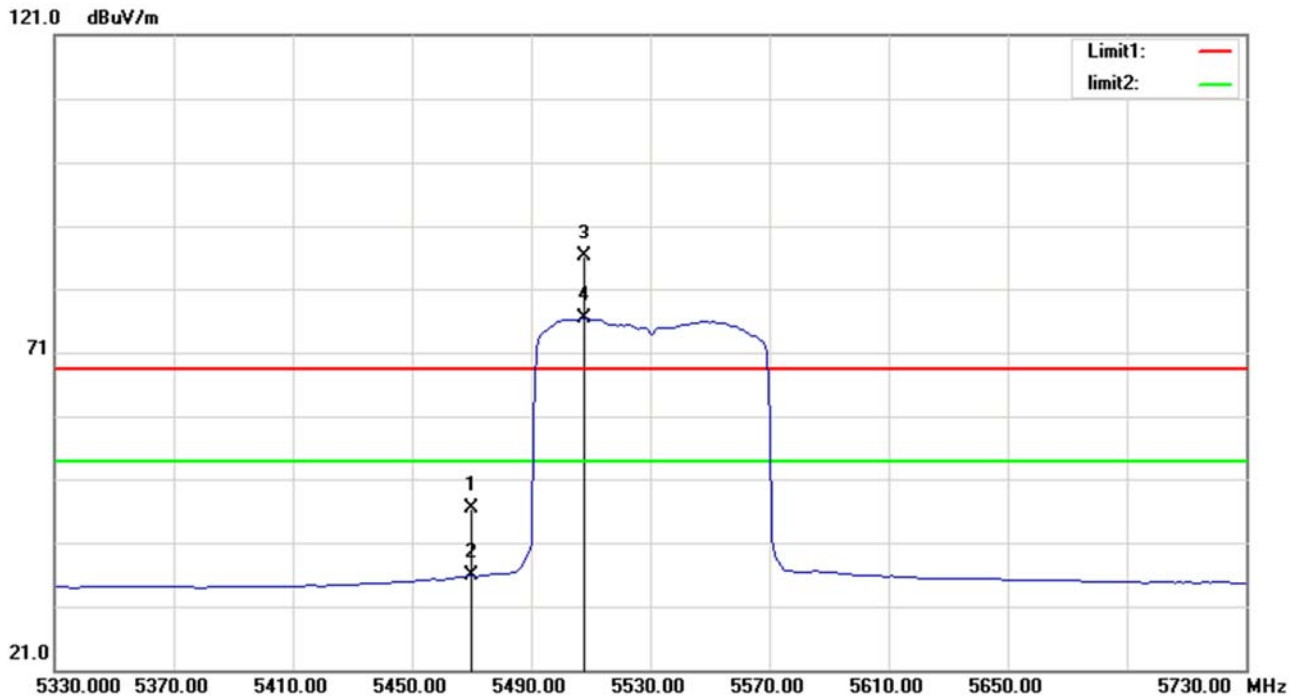
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	10.59	34.94	45.53	68.30	-22.77	peak
2	5150.000	-0.46	34.94	34.48	54.00	-19.52	AVG
3	5267.000	55.58	35.27	90.85	/	/	peak
4	5267.000	45.72	35.27	80.99	/	/	AVG
5	5350.000	9.80	35.50	45.30	68.30	-23.00	peak
6	5350.000	-0.30	35.50	35.20	54.00	-18.80	AVG

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT80) Mode 5530 MHz

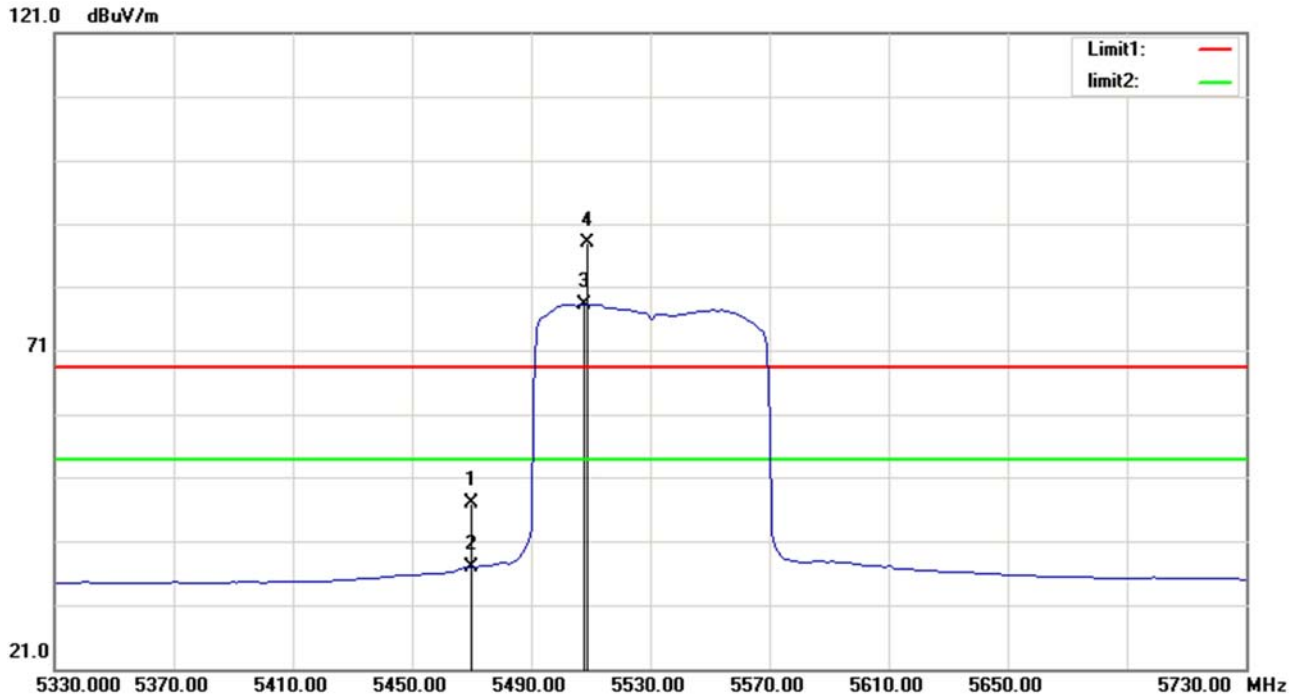
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5470.000	10.48	35.84	46.32	68.30	-21.98	peak
2	5470.000	-0.01	35.84	35.83	54.00	-18.17	AVG
3	5508.000	50.20	35.92	86.12	/	/	peak
4	5508.000	40.39	35.92	76.31	/	/	AVG

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT80) Mode 5530 MHz

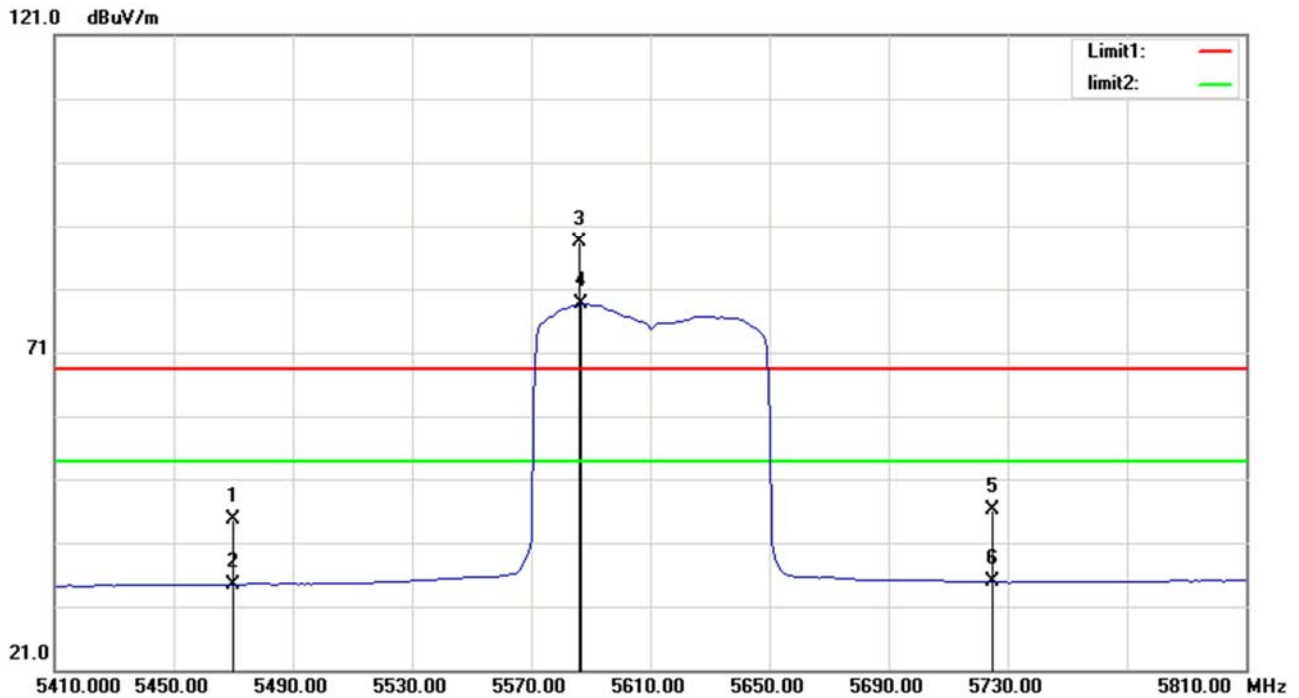
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5470.000	11.16	35.84	47.00	68.30	-21.30	peak
2	5470.000	1.09	35.84	36.93	54.00	-17.07	AVG
3	5508.000	42.32	35.92	78.24	/	/	AVG
4	5509.000	51.94	35.92	87.86	/	/	peak

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT80) Mode 5610 MHz

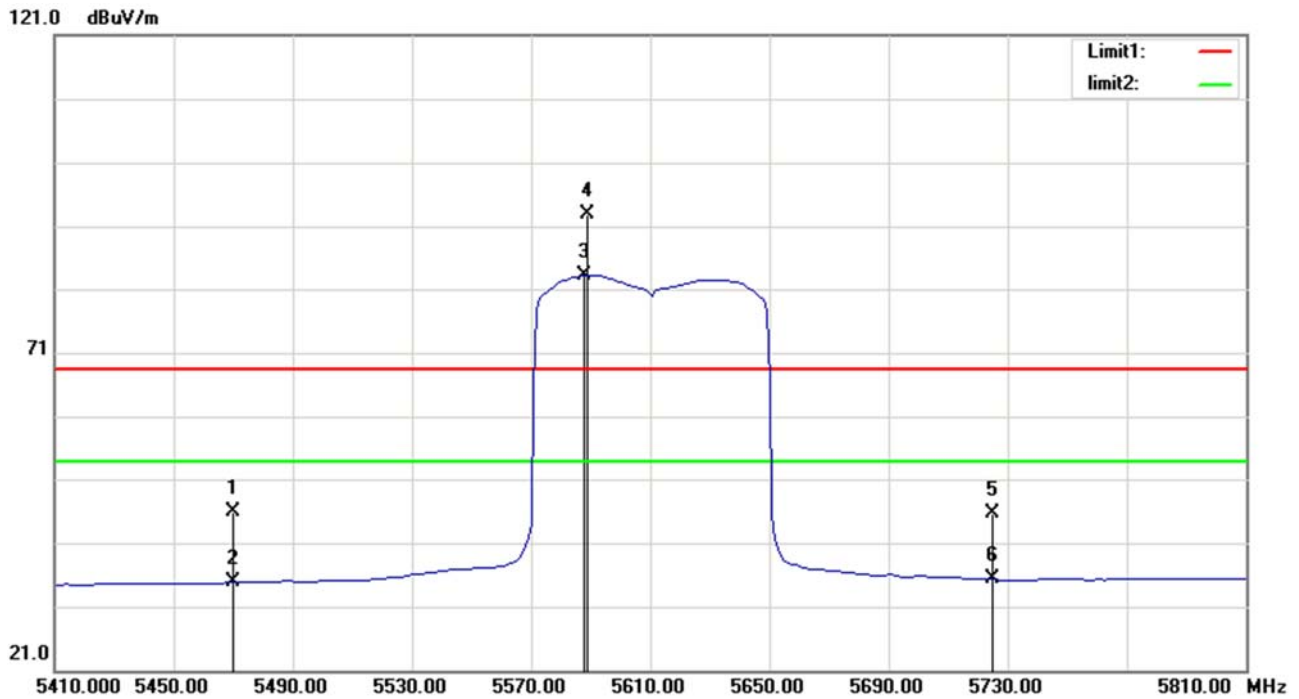
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5470.000	8.74	35.84	44.58	68.30	-23.72	peak
2	5470.000	-1.39	35.84	34.45	54.00	-19.55	AVG
3	5586.000	52.39	35.89	88.28	/	/	peak
4	5587.000	42.66	35.89	78.55	/	/	AVG
5	5725.000	10.19	35.84	46.03	68.30	-22.27	peak
6	5725.000	-0.95	35.84	34.89	54.00	-19.11	AVG

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT80) Mode 5610 MHz

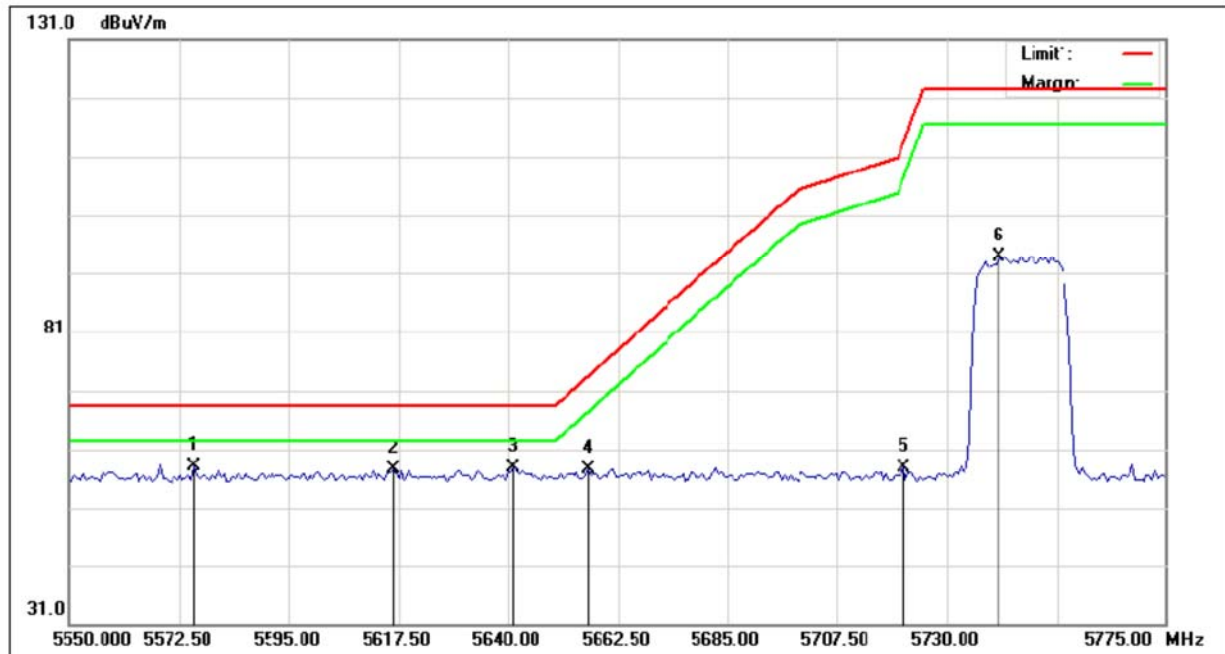
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5470.000	10.08	35.84	45.92	68.30	-22.38	peak
2	5470.000	-1.04	35.84	34.80	54.00	-19.20	AVG
3	5588.000	47.26	35.89	83.15	/	/	AVG
4	5589.000	56.89	35.89	92.78	/	/	peak
5	5725.000	9.89	35.84	45.73	68.30	-22.57	peak
6	5725.000	-0.55	35.84	35.29	54.00	-18.71	AVG

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT20) Mode 5745 MHz

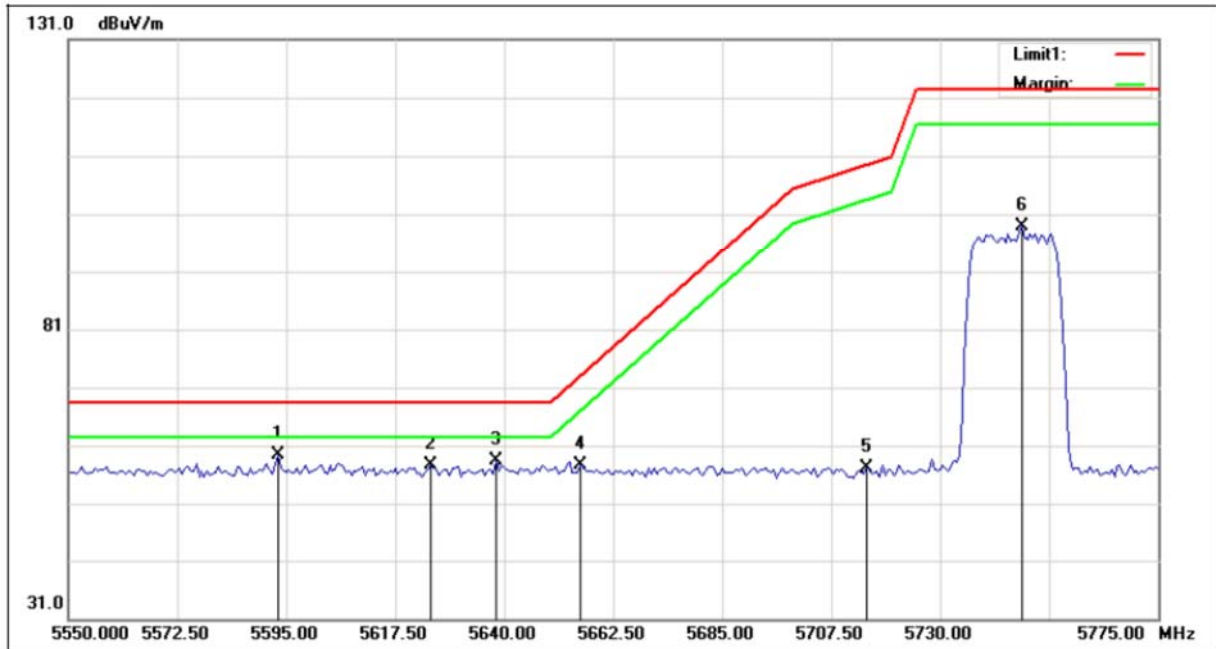
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5575.313	22.15	35.90	58.05	68.30	-10.25	peak
2	5616.375	21.63	35.88	57.51	68.30	-10.79	peak
3	5641.125	22.11	35.87	57.98	68.30	-10.32	peak
4	5656.313	21.67	35.86	57.53	72.97	-15.44	peak
5	5721.000	22.16	35.84	58.00	113.18	-55.18	peak
6	5740.688	58.05	35.83	93.88	122.30	-28.42	peak

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT20) Mode 5745 MHz

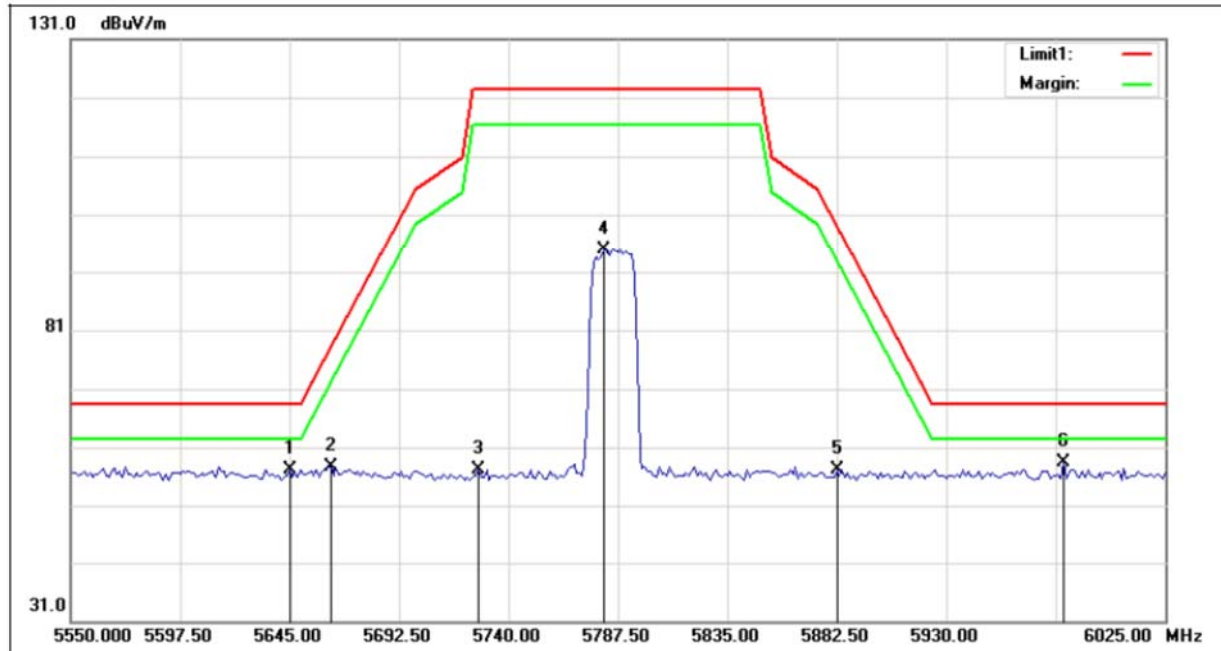
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5593.313	23.54	35.89	59.43	68.30	-8.87	peak
2	5624.813	21.85	35.88	57.73	68.30	-10.57	peak
3	5638.313	22.47	35.87	58.34	68.30	-9.96	peak
4	5655.750	21.70	35.87	57.57	72.55	-14.98	peak
5	5714.813	21.37	35.84	57.21	109.45	-52.24	peak
6	5746.875	63.13	35.83	98.96	122.30	-23.34	peak

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT20) Mode 5785 MHz

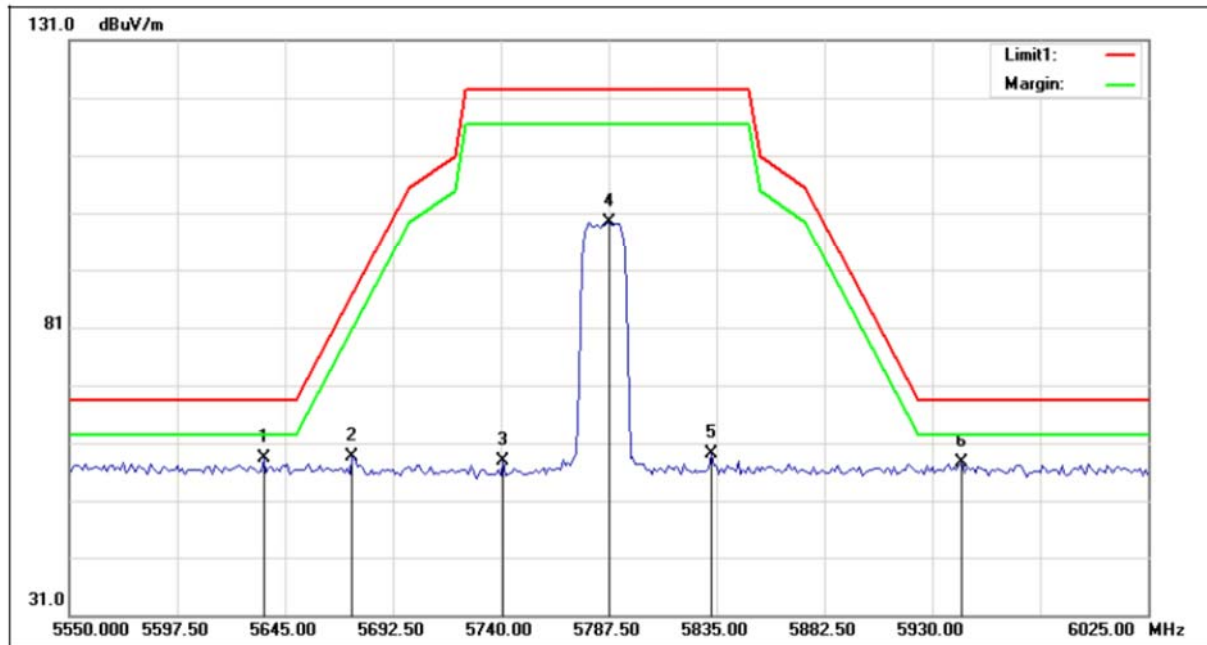
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5645.000	21.38	35.86	57.24	68.30	-11.06	peak
2	5662.813	21.78	35.86	57.64	77.78	-20.14	peak
3	5726.938	21.32	35.84	57.16	122.30	-65.14	peak
4	5781.563	59.08	35.81	94.89	122.30	-27.41	peak
5	5882.500	21.35	35.77	57.12	99.75	-42.63	peak
6	5981.063	22.62	35.74	58.36	68.30	-9.94	peak

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT20) Mode 5785 MHz

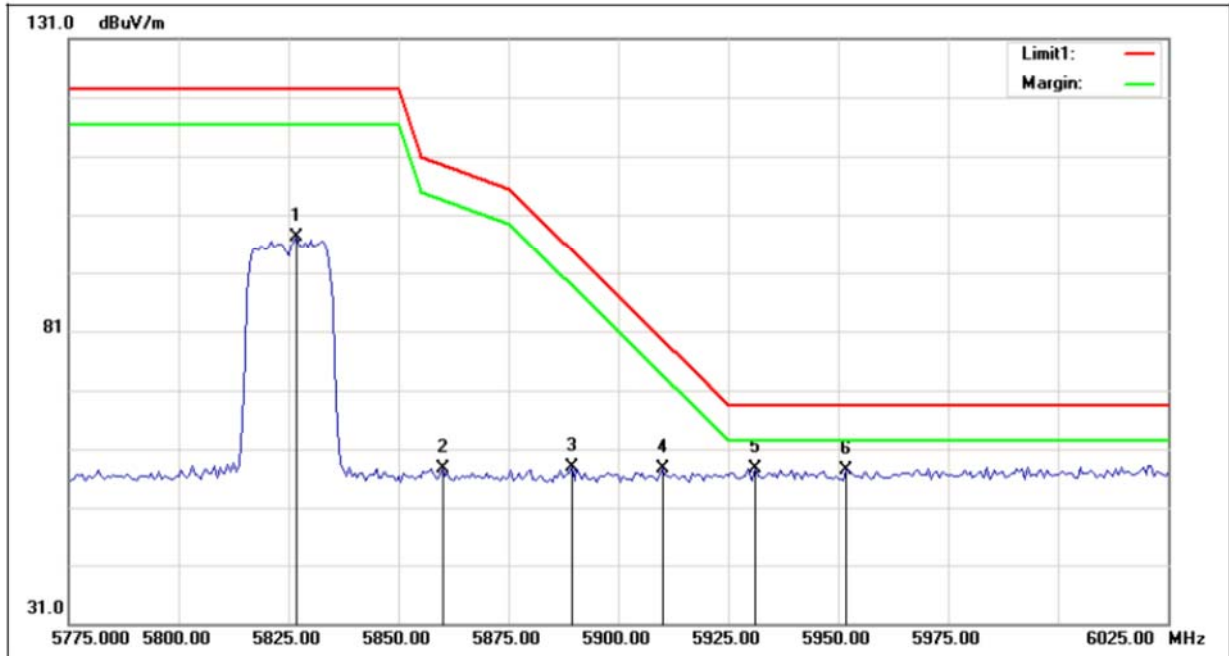
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5635.500	22.46	35.87	58.33	68.30	-9.97	peak
2	5674.688	22.66	35.86	58.52	86.57	-28.05	peak
3	5741.188	21.93	35.83	57.76	122.30	-64.54	peak
4	5787.500	63.68	35.81	99.49	122.30	-22.81	peak
5	5832.625	23.37	35.79	59.16	122.30	-63.14	peak
6	5943.063	21.79	35.76	57.55	68.30	-10.75	peak

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT20) Mode 5825 MHz

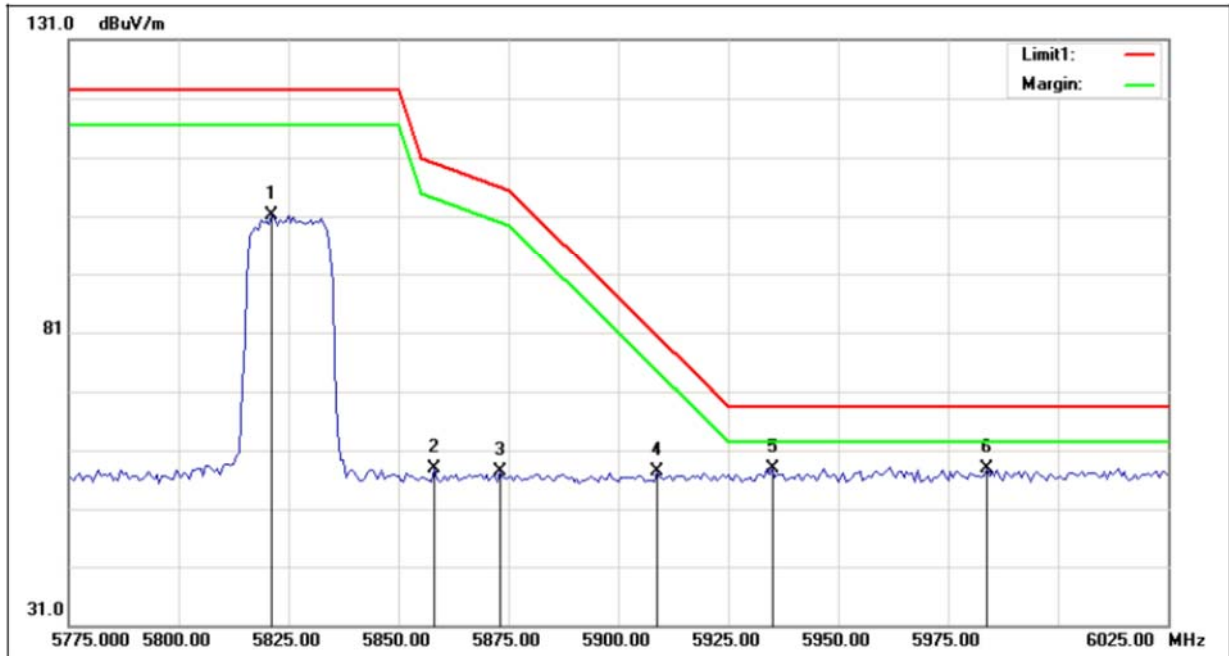
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5826.875	61.33	35.80	97.13	122.30	-25.17	peak
2	5860.000	21.93	35.78	57.71	109.50	-51.79	peak
3	5889.375	22.19	35.77	57.96	94.66	-36.70	peak
4	5910.000	21.78	35.76	57.54	79.40	-21.86	peak
5	5931.250	21.99	35.75	57.74	68.30	-10.56	peak
6	5951.875	21.62	35.75	57.37	68.30	-10.93	peak

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT20) Mode 5825 MHz

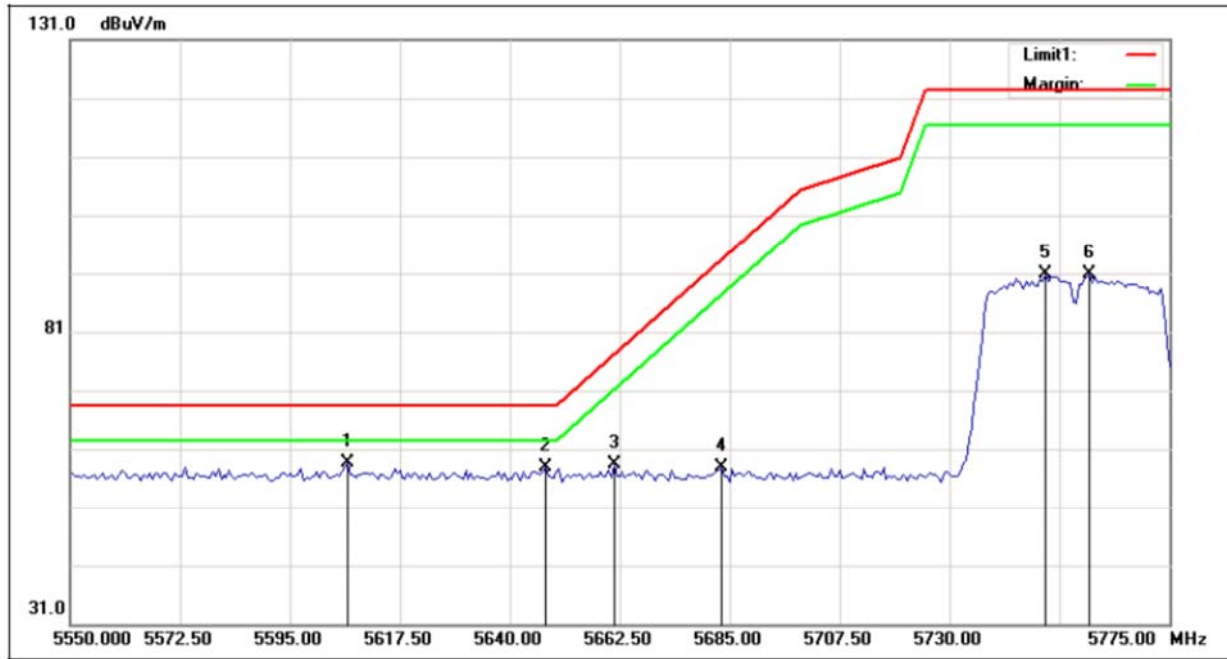
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5821.250	65.41	35.80	101.21	122.30	-21.09	peak
2	5858.125	22.03	35.78	57.81	110.02	-52.21	peak
3	5873.125	21.56	35.78	57.34	105.82	-48.48	peak
4	5908.750	21.52	35.76	57.28	80.32	-23.04	peak
5	5935.000	22.12	35.75	57.87	68.30	-10.43	peak
6	5983.750	22.04	35.73	57.77	68.30	-10.53	peak

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT40) Mode 5755 MHz

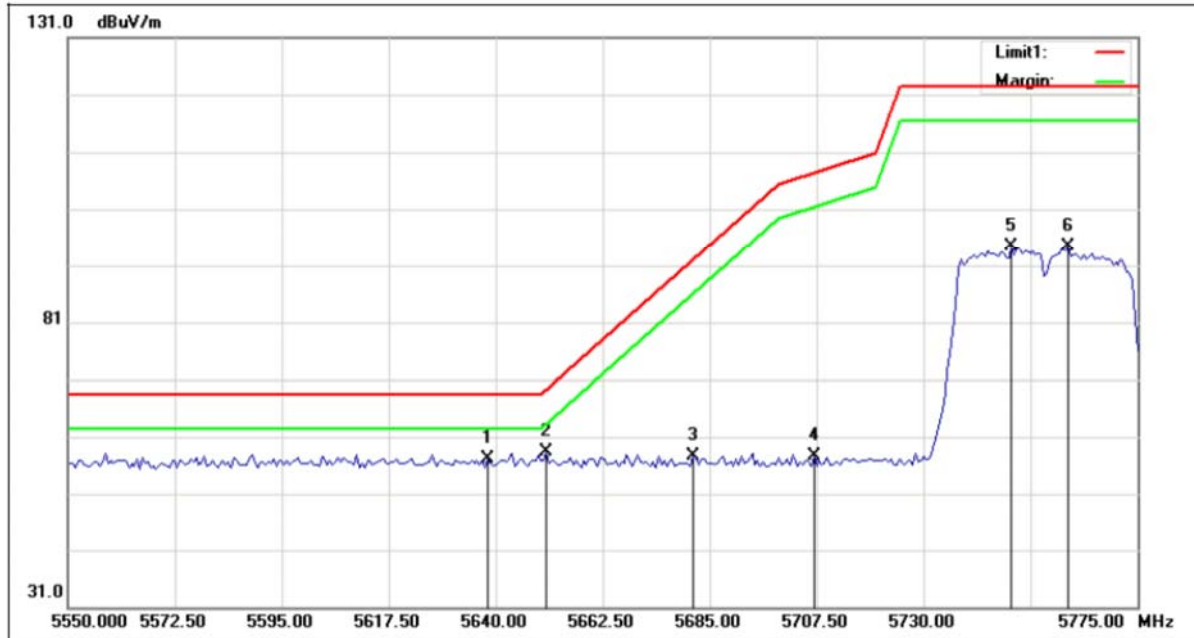
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5606.813	22.65	35.88	58.53	68.30	-9.77	peak
2	5647.313	21.99	35.87	57.86	68.30	-10.44	peak
3	5661.375	22.59	35.86	58.45	76.72	-18.27	peak
4	5683.313	21.95	35.85	57.80	92.95	-35.15	peak
5	5749.688	54.93	35.83	90.76	122.30	-31.54	peak
6	5758.688	54.94	35.82	90.76	122.30	-31.54	peak

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT40) Mode 5755 MHz

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5638.313	21.26	35.87	57.13	68.30	-11.17	peak
2	5650.688	22.53	35.87	58.40	68.81	-10.41	peak
3	5681.625	21.84	35.85	57.69	91.70	-34.01	peak
4	5706.938	21.71	35.84	57.55	107.24	-49.69	peak
5	5748.563	58.45	35.83	94.28	122.30	-28.02	peak
6	5760.375	58.50	35.82	94.32	122.30	-27.98	peak