FCC &ISED Radio Test Report

FCC ID: 2AC23- WCT23
IC:12290A- WCT23

The report concerns: Original Grant

Report Reference No. ..... :	21EFSS12073 00101
Date Sample(s) Received ..... :	2021-12-23
Date of Tested ..... :	2021-12-23 to 2021-01-05
Date of issue ..... :	2021-01-06
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 ..... :	WCT23M2501F
Ratings ..... :	I/P: DC 3.3V

Test Engineer: Blue Qiu

Responsible Engineer : Smile Wang

Authorized Signatory: King Wang

Table of Contents Page

1 . TEST REPORT DECLARE 4
2 . SUMMARY OF TEST RESULTS 5
2.1 MEASUREMENT UNCERTAINTY 6
3 . GENERAL INFORMATION 7
3.1 GENERAL DESCRIPTION OF EUT 7
3.2 TEST MODES 10
3.3PARAMETERS OF TEST SOFTWARE 13
3.4BLOCKDIAGRAMSHOWINGTHECONFIGURATIONOFSYSTEMTESTED 15
3.5SUPPORT UNITS 15
3.6 TEST ENVIRONMENT CONDITIONS 15
3.7DUTY CYCLE 16
4 .AC POWER LINE CONDUCTED EMISSIONS TEST 17
4.1LIMIT 17
4.2 TEST PROCEDURE 17
4.3MEASUREMENT INSTRUMENTS LIST 17
4.4TESTSETUP 18
4.5EUT OPERATION CONDITIONS 18
4.6 TEST RESULTS 19
5 . RADIATED EMISSIONSTEST 21
5.1LIMIT 21
5.2TEST PROCEDURE 22
5.3MEASUREMENT INSTRUMENTS LIST 22
5.4TESTSETUP 23
5.5EUT OPERATION CONDITIONS 23
5.6TEST RESULTS - 9 KHZ to 30MHZ 24
5.7TEST RESULTS - 30 MHz TO 1000 MHz 25
5.8TEST RESULTS - ABOVE1000 MHz(BAND EDGE) 27
5.9TEST RESULTS - ABOVE1000 MHz (HARMONIC) 103
6 .BANDWIDTH TEST 199
6.1LIMIT 199
6.2TEST PROCEDURE AND SETTING 199
6.3MEASUREMENT INSTRUMENTS LIST 199
6.4TEST SETUP 200

Table of Contents Page

6.5EUT OPERATION CONDITIONS 200
6.6 TEST RESULTS 201
7 .MAXIMUM OUTPUT POWER TEST 217
7.1LIMIT 217
7.2TEST PROCEDURE AND SETTING 217
7.3MEASUREMENT INSTRUMENTS LIST 217
7.4TEST SETUP 217
7.5EUT OPERATION CONDITIONS 217
7.6 TEST RESULTS 218
8 .POWER SPECTRAL DENSITY TEST 241
8.1LIMIT 241
8.2TEST PROCEDURE ANS SETTING 241
8.3MEASUREMENT INSTRUMENTS LIST 241
8.4TEST SETUP 241
8.5EUT OPERATION CONDITIONS 242
8.6 TEST RESULTS 242
9 .FREQUENCY STABILITY MEASUREMENT 267
9.1LIMIT 267
9.2TEST PROCEDURE AND SETTING 267
9.3MEASUREMENT INSTRUMENTS LIST 267
9.4TEST SETUP 267
9.5EUT OPERATION CONDITIONS 267
9.6 TEST RESULTS 268

1TEST 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.	WCT23M2501F
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.

2SUMMARY 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.

2.1MEASUREMENT 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	±0.048kHz
Uncertainty for conducted RF Power	±0.32dB

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 CAB identifier:CN0083	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	WCT23M2501F	
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: PCB	Maximum Peak Gain:4dBi
Maximum Output Power for UNII-1 For FCC	IEEE 802.11a: 14.73dBm (0.0297W) IEEE 802.11n (HT20): 15.91dBm (0.0390 W) IEEE 802.11n (HT40): 15.69dBm (0.0371 W) IEEE 802.11ac (VHT20): 15.75dBm (0.0376 W) IEEE 802.11ac (VHT40): 15.90dBm (0.0389 W) IEEE 802.11ac (VHT80): 15.68dBm (0.0370 W)	
Maximum EIRP Output Power for UNII-1 For IC	IEEE 802.11a: 18.73dBm (0.0605W) IEEE 802.11n (HT20): 22.92dBm (0.1919 W) IEEE 802.11n (HT40): 22.70dBm (0.1866 W) IEEE 802.11ac (VHT20): 22.76dBm (0.1959 W) IEEE 802.11ac (VHT40): 22.91dBm (0.1786 W) IEEE 802.11ac (VHT80): 22.69dBm (0.1837 W)	
Maximum Output Power for UNII-2A UNII-2C	IEEE 802.11a: 14.96dBm (0.0313W) IEEE 802.11n (HT20): 16.78dBm (0.0476 W) IEEE 802.11n (HT40): 16.71dBm (0.0469) IEEE 802.11ac (VHT20): 15.82dBm (0.0382 W) IEEE 802.11ac (VHT40): 15.90dBm (0.0389 W) IEEE 802.11ac (VHT80): 15.63dBm (0.0365 W)	
Maximum Output Power for UNII-3	IEEE 802.11a: 14.74dBm (0.0298 W) IEEE 802.11n (HT20): 16.84dBm (0.0483 W) IEEE 802.11n (HT40): 16.71dBm (0.0469 W) IEEE 802.11ac (VHT20): 15.77dBm (0.0377 W) IEEE 802.11ac (VHT40): 15.68dBm (0.0370 W) IEEE 802.11ac (VHT80): 15.74dBm (0.0375 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

3.2TEST 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(HT20) Mode / CH149 (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 25	TX N(HT20) Mode / CH149 (UNII-3)

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 25	TX N(HT20) Mode / CH149 (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

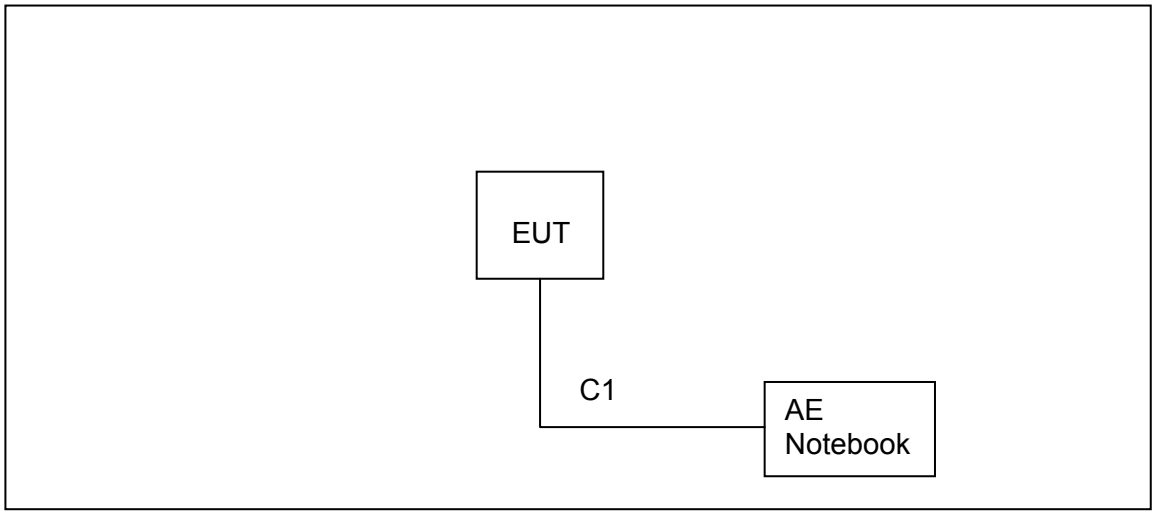
UNII-1			
Test Software	MT7663QA		
Test Frequency (MHz)	5180	5200	5240
IEEE 802.11a	20	20	20
IEEE 802.11n (HT20)	1F	20	1F
IEEE 802.11ac (VHT20)	21	21	20
Test Frequency (MHz)	5190	5230	
IEEE 802.11n (HT40)	1F	1F	
IEEE 802.11ac (VHT40)	23	22	
Test Frequency (MHz)	5210		
IEEE 802.11ac (VHT80)	25		

UNII-2A			
Test Software	MT7663QA		
Test Frequency (MHz)	5260	5300	5320
IEEE 802.11a	20	20	21
IEEE 802.11n (HT20)	21	21	22
IEEE 802.11ac (VHT20)	20	20	21
Test Frequency (MHz)	5270	5310	
IEEE 802.11n (HT40)	20	21	
IEEE 802.11ac (VHT40)	21	21	
Test Frequency (MHz)	5290		
IEEE 802.11ac (VHT80)	26		

UNII-2C			
Test Software	MT7663QA		
Test Frequency (MHz)	5500	5600	5700
IEEE 802.11a	23	22	20
IEEE 802.11n (HT20)	24	22	21
IEEE 802.11ac (VHT20)	23	21	20
Test Frequency (MHz)	5510	5550	5670
IEEE 802.11n (HT40)	23	22	21
IEEE 802.11ac (VHT40)	24	23	22
Test Frequency (MHz)	5530	5610	
IEEE 802.11ac (VHT80)	27	26	

UNII-3			
Test Software	MT7663QA		
Test Frequency (MHz)	5745	5785	5825
IEEE 802.11a	20	21	22
IEEE 802.11n (HT20)	21	22	23
IEEE 802.11ac (VHT20)	20	21	21
Test Frequency (MHz)	5755	5795	
IEEE 802.11n (HT40)	21	22	
IEEE 802.11ac (VHT40)	21	22	
Test Frequency (MHz)	5775		
IEEE 802.11ac (VHT80)	24		

3.4BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5SUPPORT 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

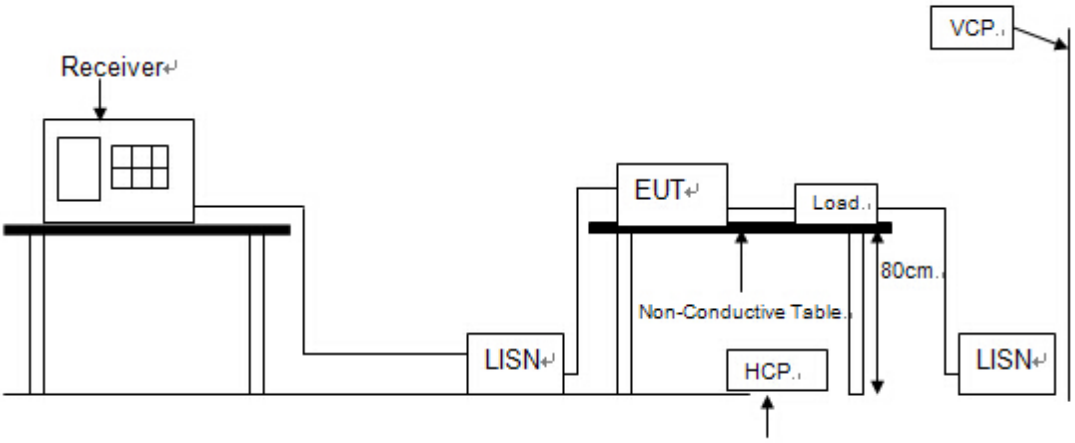
4.2 TEST PROCEDURE

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-systemtechnik	MTS-IMP-136	261115-010-0024	12/19/2022
2	EMI Test Receiver	R&S	ESCI	101308	12/17/2022
3	LISN	AFJ	LS16	16011103219	06/09/2022
4	LISN	Schwarzbeck	NSLK 8127	8127-432	12/17/2022
5	Measurement Software	Farad	EZ-EMC (Ver.ATT-03A)	N/A	N/A

4.4TESTSETUP



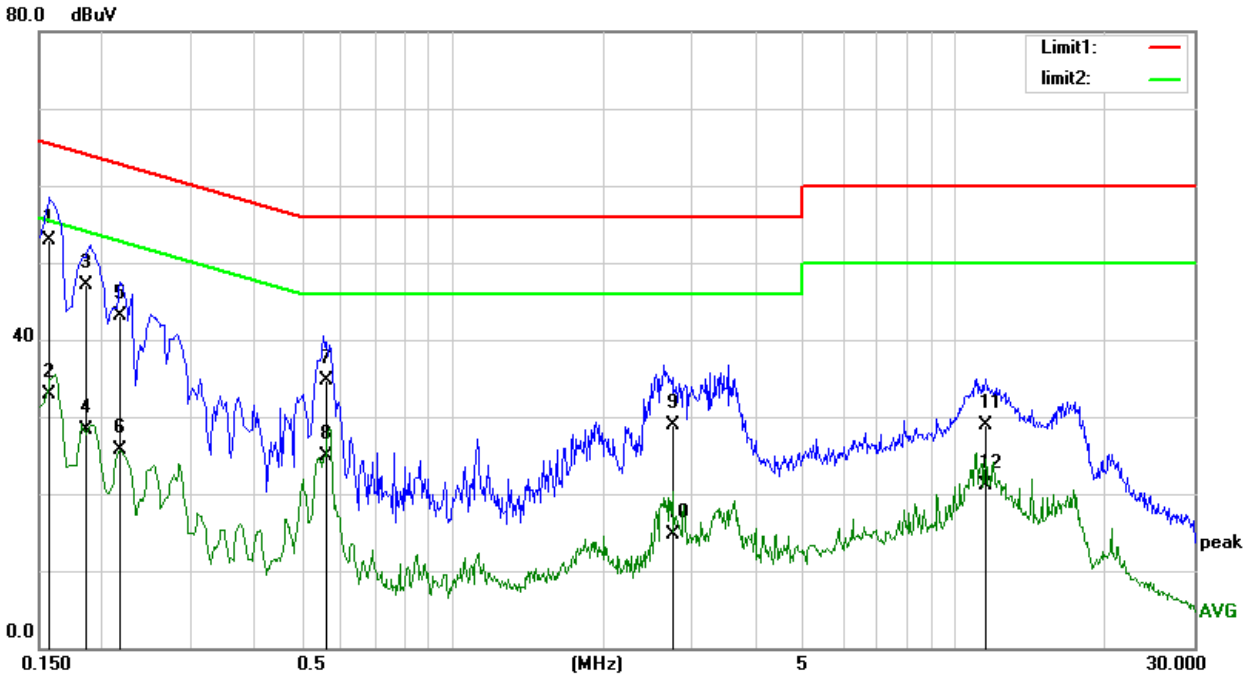
4.5EUT OPERATION CONDITIONS

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)

Line

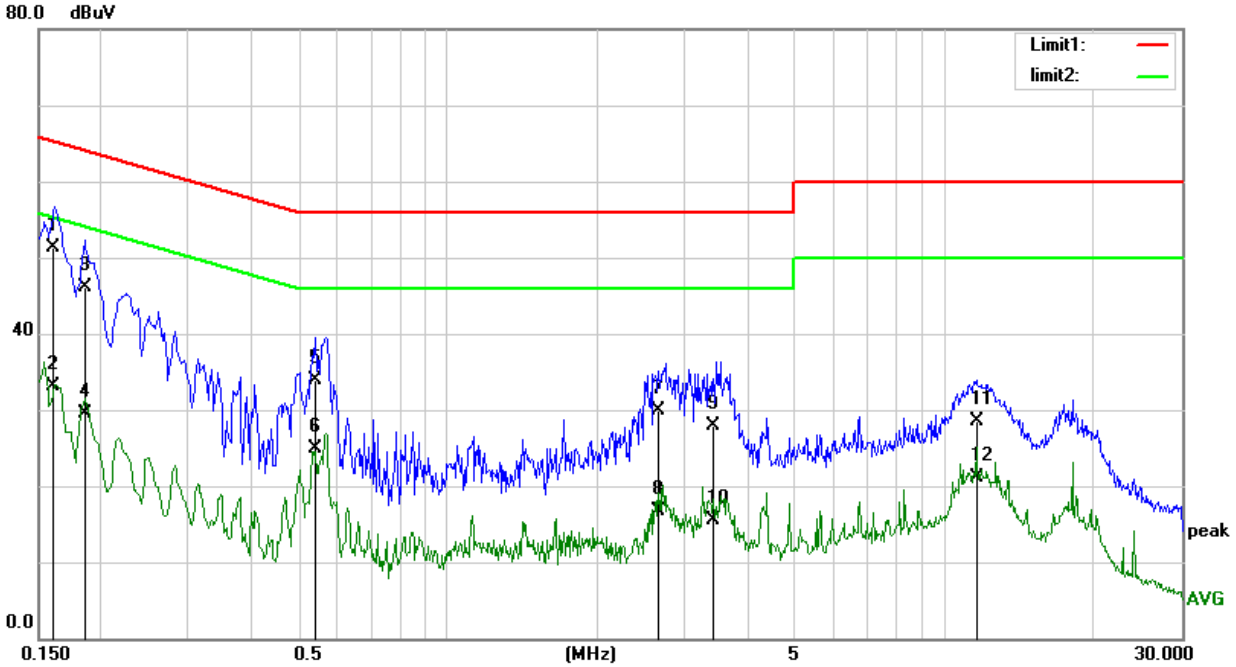


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1565	41.48	11.48	52.96	65.64	-12.68	QP
2	0.1565	21.38	11.48	32.86	55.64	-22.78	AVG
3	0.1855	35.78	11.29	47.07	64.23	-17.16	QP
4	0.1855	16.93	11.29	28.22	54.23	-26.01	AVG
5	0.2182	32.03	11.07	43.10	62.88	-19.78	QP
6	0.2182	14.55	11.07	25.62	52.88	-27.26	AVG
7	0.5592	24.40	10.27	34.67	56.00	-21.33	QP
8	0.5592	14.70	10.27	24.97	46.00	-21.03	AVG
9	2.7265	18.68	10.22	28.90	56.00	-27.10	QP
10	2.7265	4.43	10.22	14.65	46.00	-31.35	AVG
11	11.5520	18.68	10.20	28.88	60.00	-31.12	QP
12	11.5520	10.94	10.20	21.14	50.00	-28.86	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	0.1604	39.87	11.46	51.33	65.44	-14.11	QP
2	0.1604	21.68	11.46	33.14	55.44	-22.30	AVG
3	0.1870	34.88	11.27	46.15	64.16	-18.01	QP
4	0.1870	18.26	11.27	29.53	54.16	-24.63	AVG
5	0.5383	23.54	10.28	33.82	56.00	-22.18	QP
6	0.5383	14.70	10.28	24.98	46.00	-21.02	AVG
7	2.6575	19.64	10.22	29.86	56.00	-26.14	QP
8	2.6575	6.52	10.22	16.74	46.00	-29.26	AVG
9	3.4334	17.58	10.23	27.81	56.00	-28.19	QP
10	3.4334	5.29	10.23	15.52	46.00	-30.48	AVG
11	11.5515	18.39	10.20	28.59	60.00	-31.41	QP
12	11.5515	10.86	10.20	21.06	50.00	-28.94	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 the band 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 or below 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

5.2TEST PROCEDURE

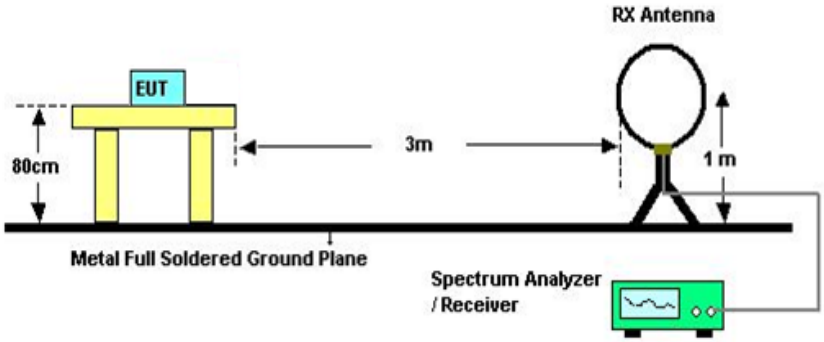
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance 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

5.3MEASUREMENT INSTRUMENTS LIST

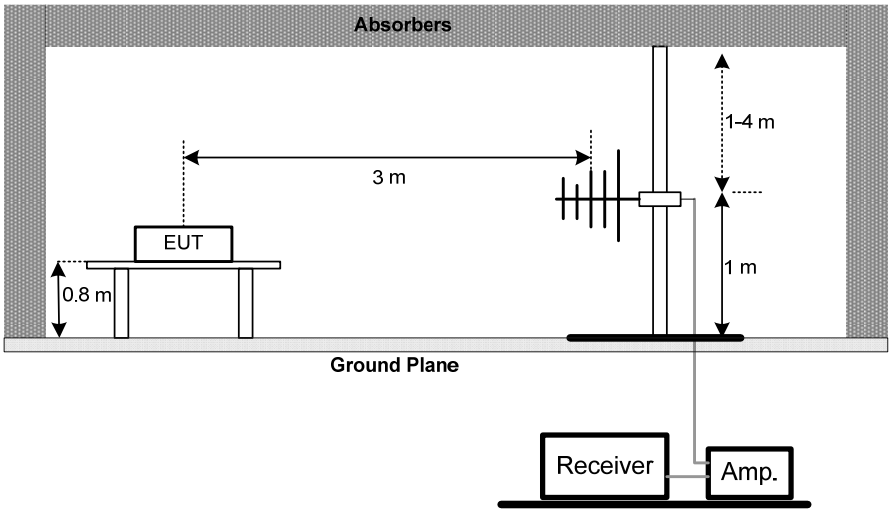
Item	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	EMI Test Receiver	R&S	ESCI	101307	12/17/2022
2	Spectrum Analyzer	Agilent	E4407B	US40240708	11/16/2022
3	Spectrum Analyzer	R&S	FSP	1164.4391.38	06/01/2022
4	Loop antenna	SCHWARZBECK	FMZB1519	1519-062	12/17/2022
5	Broadband antenna	SCHWARZBECK	VULB9168	VULB9168-192	08/05/2022
6	HORN ANTENNA	SCHWARZBECK	BBHA9120D	9120D 1065	05/07/2022
7	DRG Horn Antenna	A.H. Systems	SAS-574	588	06/01/2022
8	Preamplifier Amplifier	HP	8447F	3113A05680	12/19/2022
9	Preamplifier Amplifier	Aeroflex	33711-392-77150-11	97	06/01/2022
10	PRE-AMPLIFIER	EMEC	EM01G26G	060679	04/19/2022
11	RF Cable	R&S	Test Cable 4	4	12/19/2022
12	RF Cable	R&S	Test Cable 5	5	12/19/2022
13	RF Cable	R&S	Test Cable 9	9	04/21/2022
14	RF Cable	R&S	Test Cable 10	10	12/19/2022
15	Measurement Software	Farad	EZ-EMC (Ver.ATT-03A)	N/A	N/A

5.4TESTSETUP

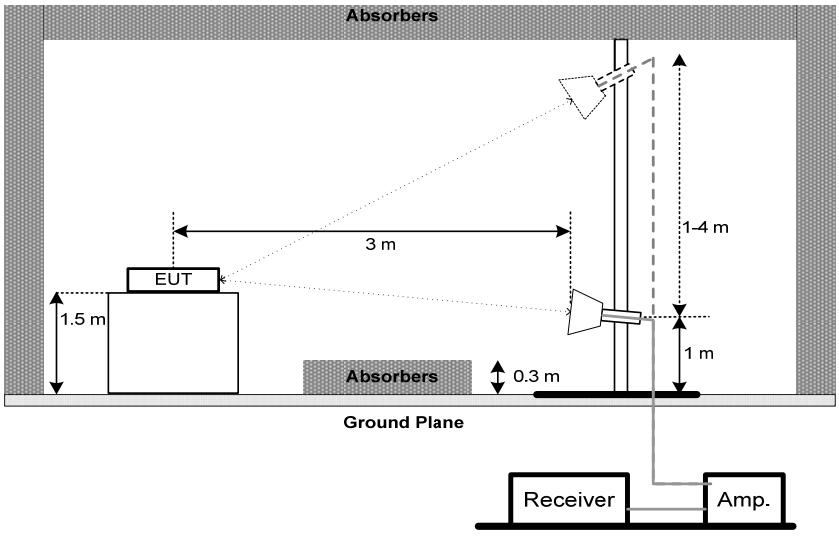
9 kHz to 30 MHz



30 MHz to 1 GHz



Above 1 GHz



5.5EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6TEST RESULTS - 9 KHZ to 30MHZ

Test Mode:	TX N(HT20) Mode / CH149 (UNII-3)

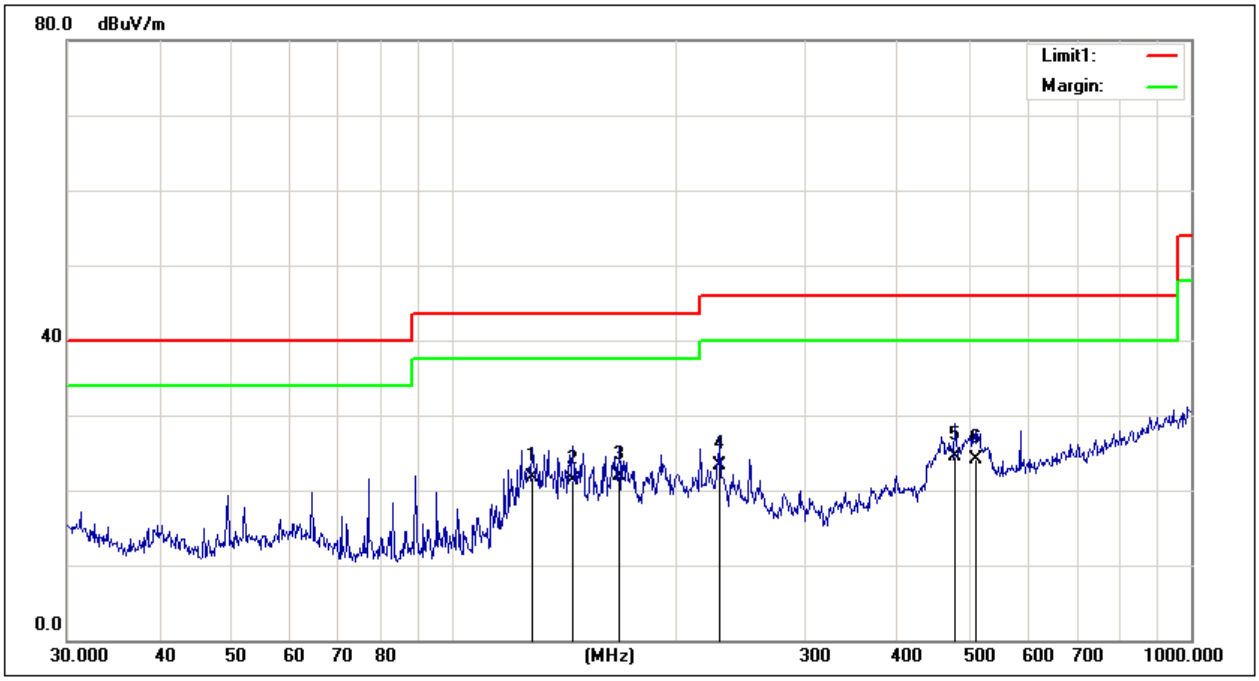
Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
--	--	--	--	P
--	--	--	--	P

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 (specific distance/test distance)(dB);
Limit line = specific limits(dBuv) + distance extrapolation factor

5.7TEST RESULTS - 30 MHz TO 1000 MHz

Test Mode:	TX N(HT20) Mode / CH149 (UNII-3)

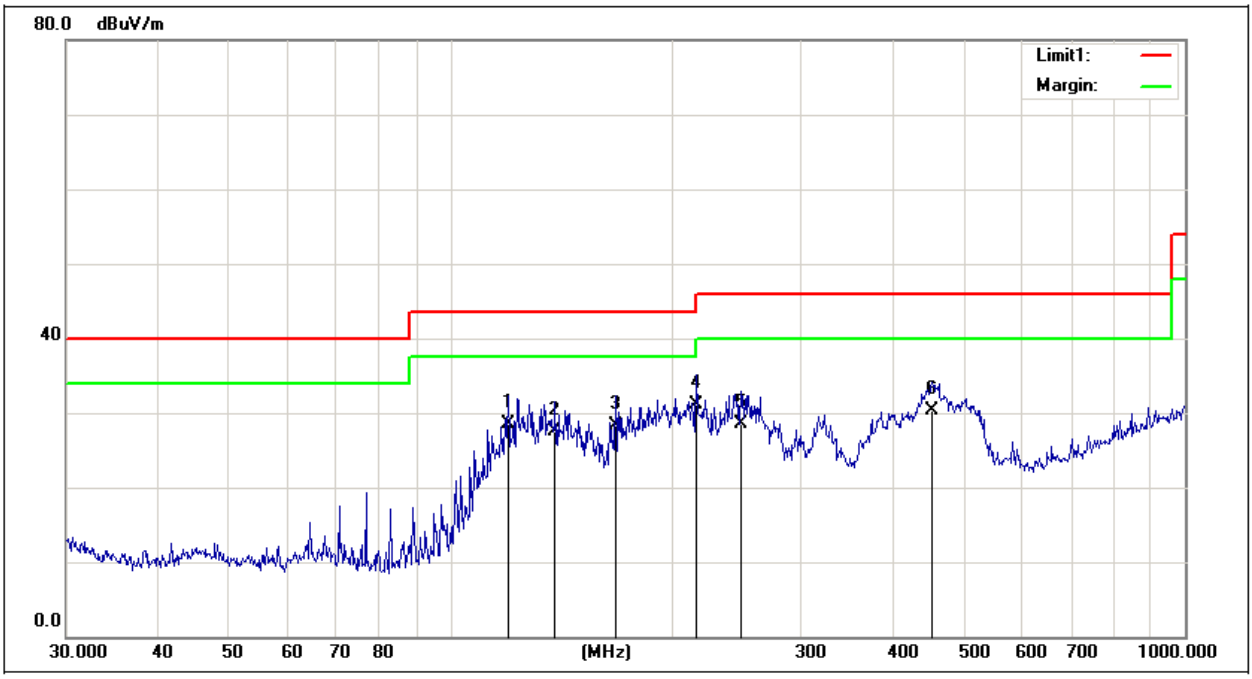
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	128.1130	33.67	-11.92	21.75	43.50	-21.75	QP
2	145.3505	32.94	-11.58	21.36	43.50	-22.14	QP
3	167.8243	32.32	-10.48	21.84	43.50	-21.66	QP
4	230.0985	31.08	-7.86	23.22	46.00	-22.78	QP
5	478.8456	30.07	-5.61	24.46	46.00	-21.54	QP
6	510.0436	29.54	-5.52	24.02	46.00	-21.98	QP

Test Mode:	TX N(HT20) Mode / CH149 (UNII-3)

Horizontal

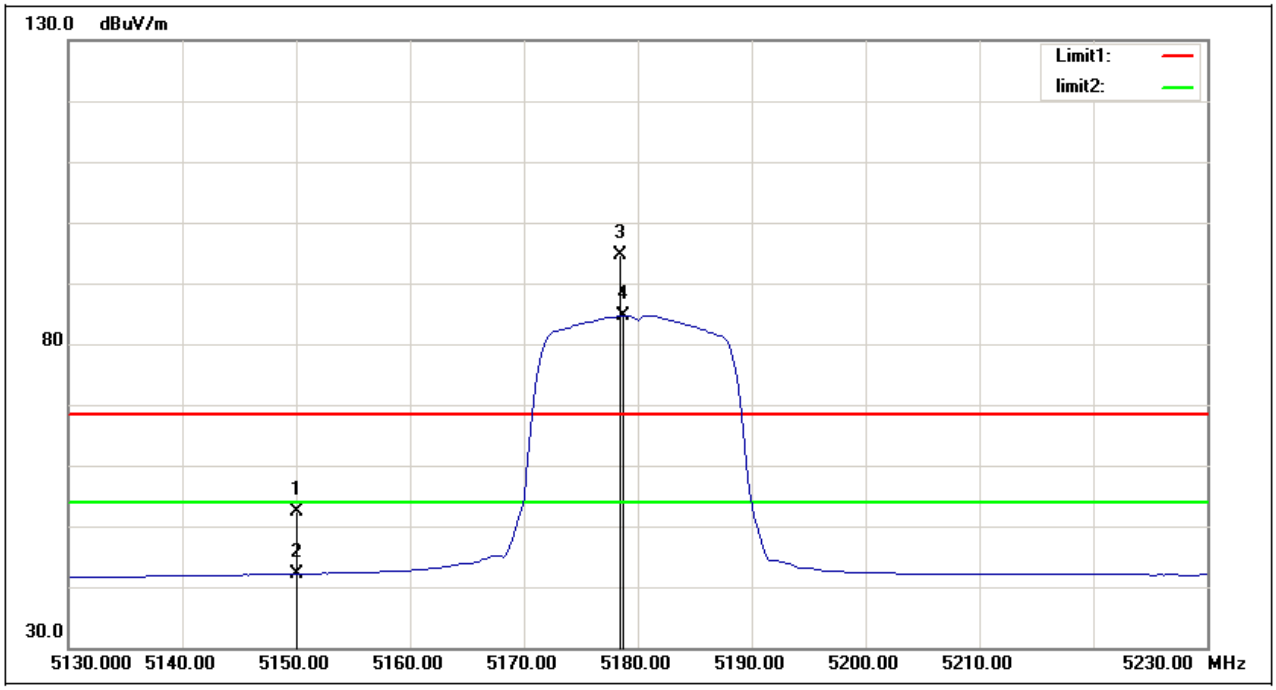


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	119.8556	42.45	-13.89	28.56	43.50	-14.94	QP
2	138.8735	40.77	-13.33	27.44	43.50	-16.06	QP
3	167.8243	39.28	-10.91	28.37	43.50	-15.13	QP
4	216.0240	40.41	-9.38	31.03	46.00	-14.97	QP
5	248.5518	34.64	-6.07	28.57	46.00	-17.43	QP
6	452.7197	36.41	-6.16	30.25	46.00	-15.75	QP

5.8TEST RESULTS - ABOVE1000 MHz(BAND EDGE)

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

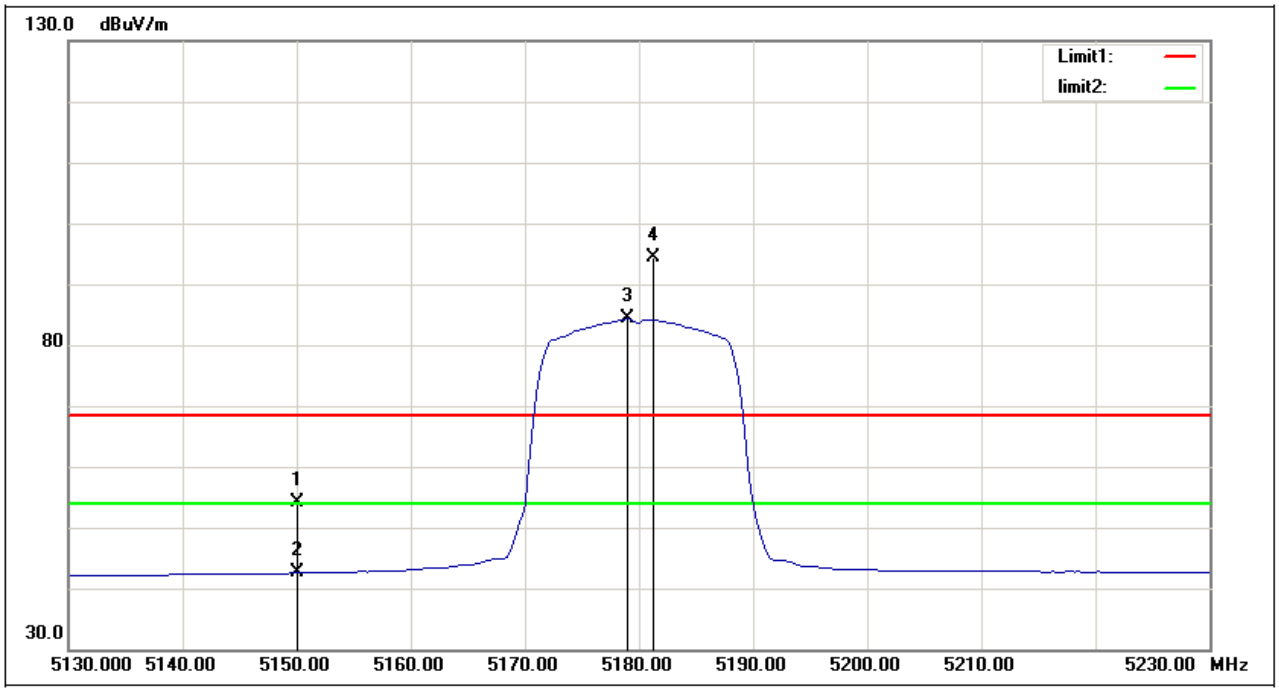
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	48.68	3.74	52.42	68.30	-15.88	peak
2	5150.000	38.39	3.74	42.13	54.00	-11.87	AVG
3	5178.500	90.73	3.88	94.61	/	/	peak
4	5178.750	80.87	3.88	84.75	/	/	AVG

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

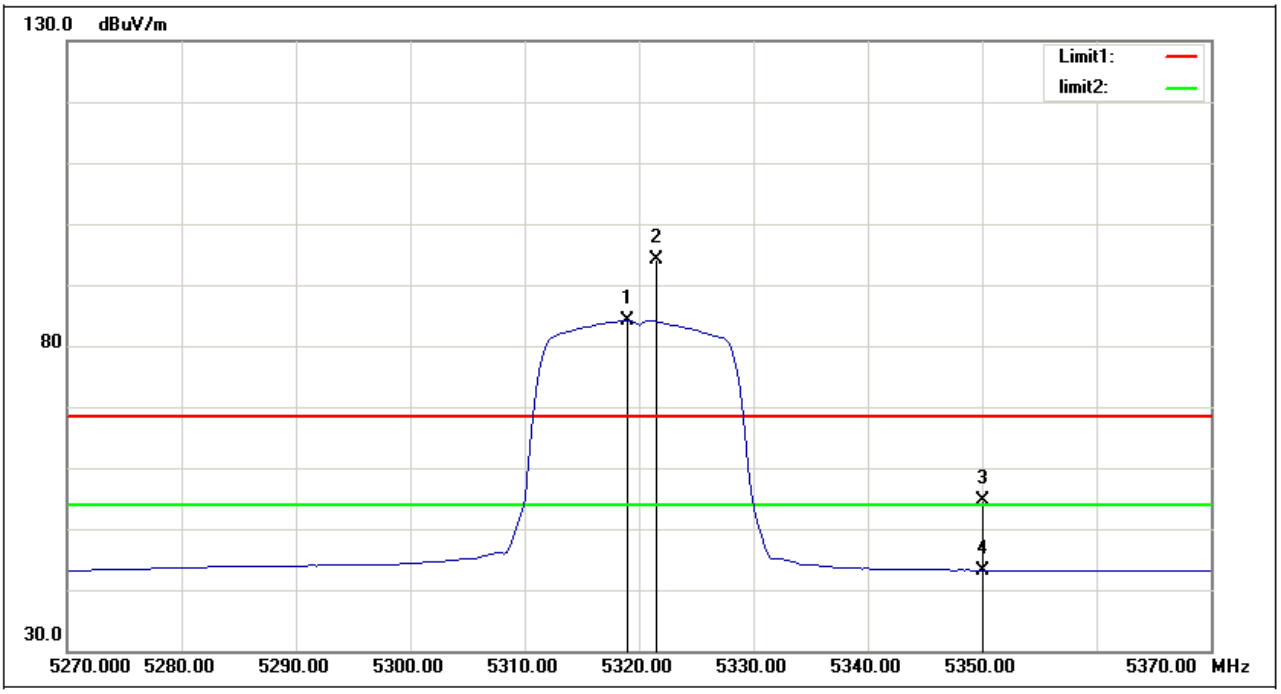
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	50.37	3.74	54.11	68.30	-14.19	peak
2	5150.000	38.79	3.74	42.53	54.00	-11.47	AVG
3	5179.000	80.38	3.88	84.26	/	/	AVG
4	5181.250	90.48	3.88	94.36	/	/	peak

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

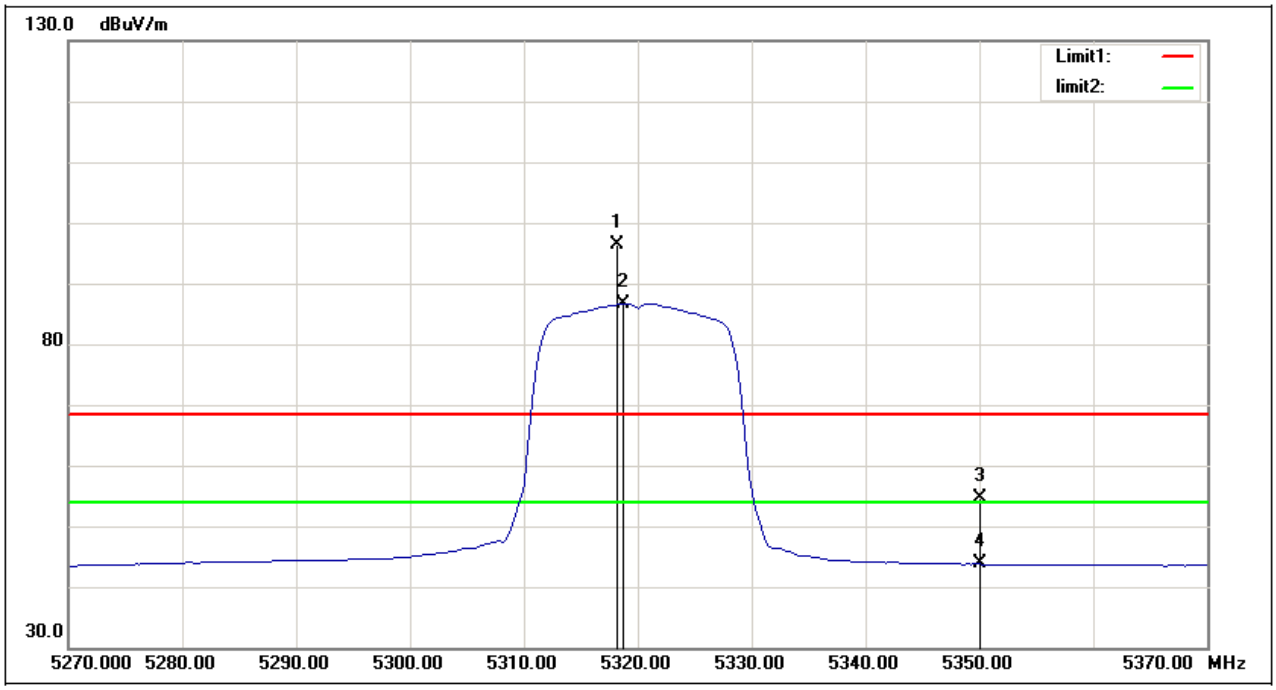
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5319.000	79.68	4.56	84.24	/	/	AVG
2	5321.500	89.58	4.56	94.14	/	/	peak
3	5350.000	49.91	4.70	54.61	68.30	-13.69	peak
4	5350.000	38.52	4.70	43.22	54.00	-10.78	AVG

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

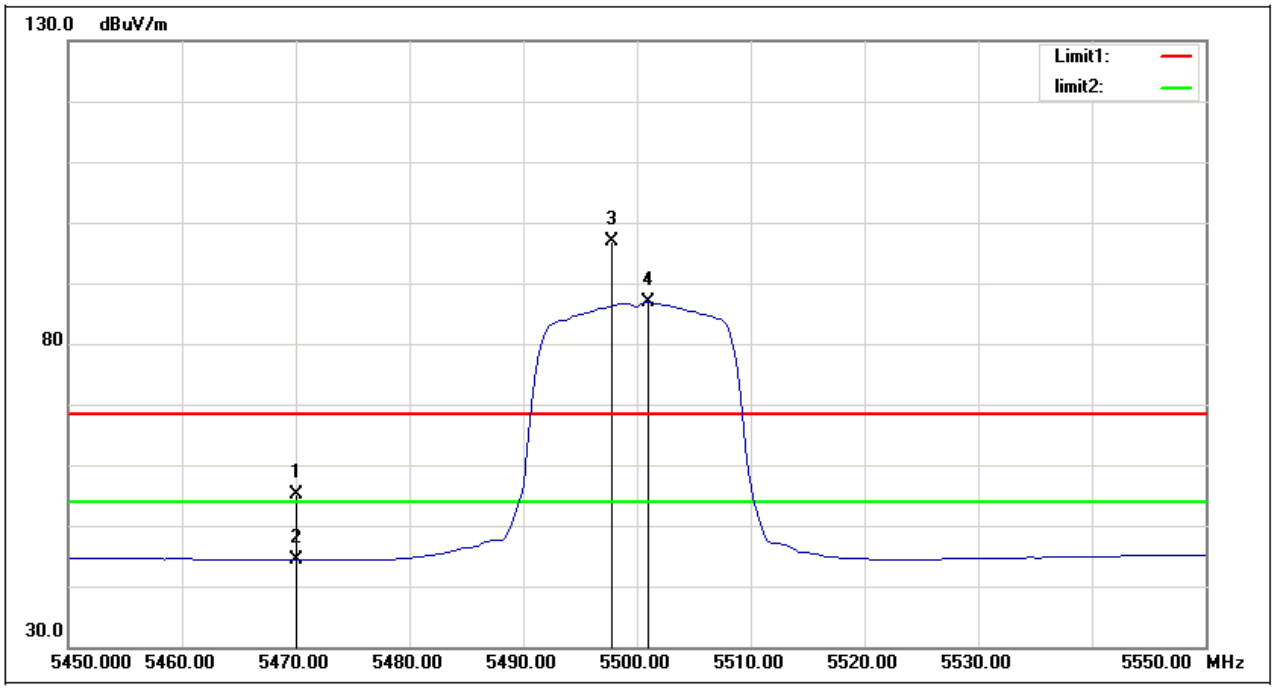
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5318.250	91.94	4.55	96.49	/	/	peak
2	5318.750	82.17	4.55	86.72	/	/	AVG
3	5350.000	50.03	4.70	54.73	68.30	-13.57	peak
4	5350.000	39.07	4.70	43.77	54.00	-10.23	AVG

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

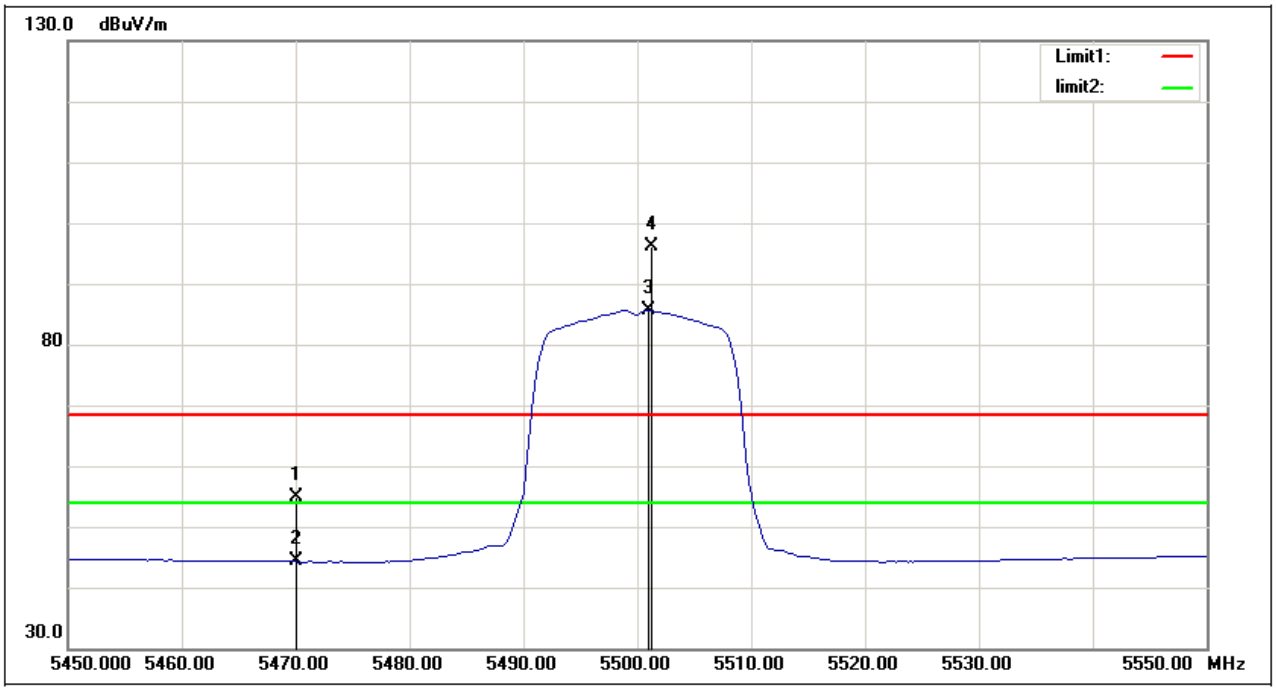
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5470.000	49.97	5.28	55.25	68.30	-13.05	peak
2	5470.000	39.06	5.28	44.34	54.00	-9.66	AVG
3	5497.750	91.51	5.41	96.92	/	/	peak
4	5501.000	81.37	5.43	86.80	/	/	AVG

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

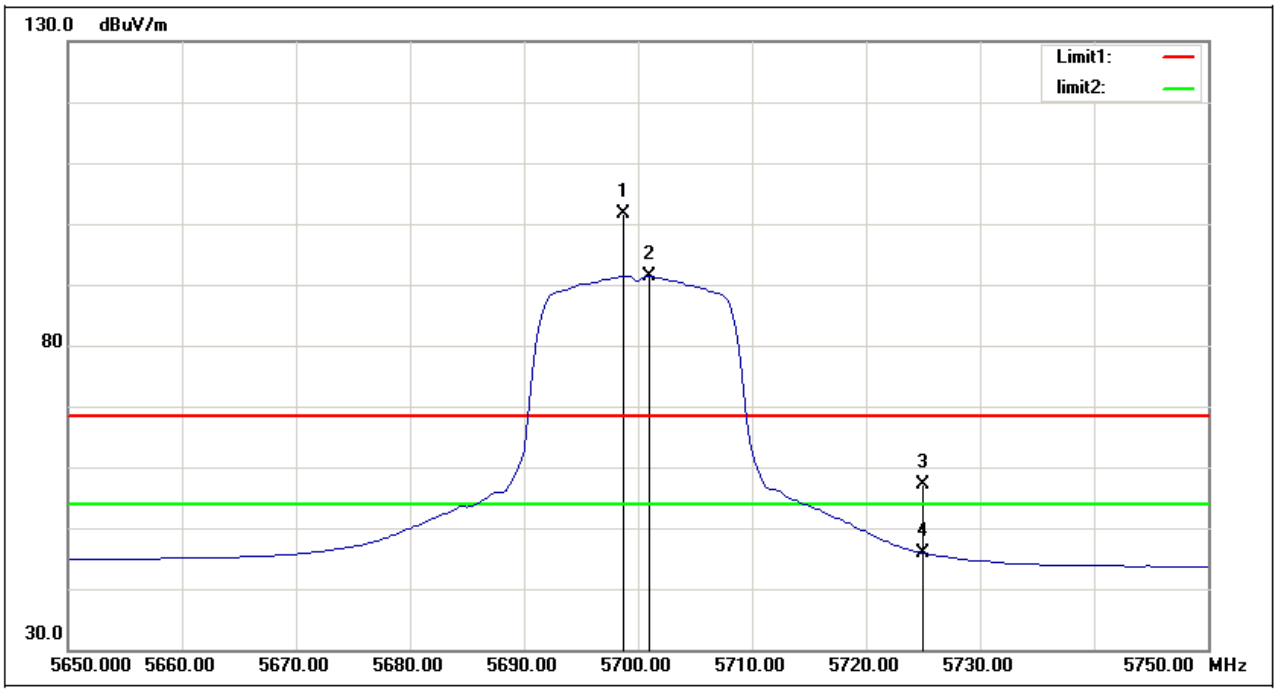
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5470.000	49.51	5.28	54.79	68.30	-13.51	peak
2	5470.000	38.99	5.28	44.27	54.00	-9.73	AVG
3	5501.000	80.17	5.43	85.60	/	/	AVG
4	5501.250	90.62	5.43	96.05	/	/	peak

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

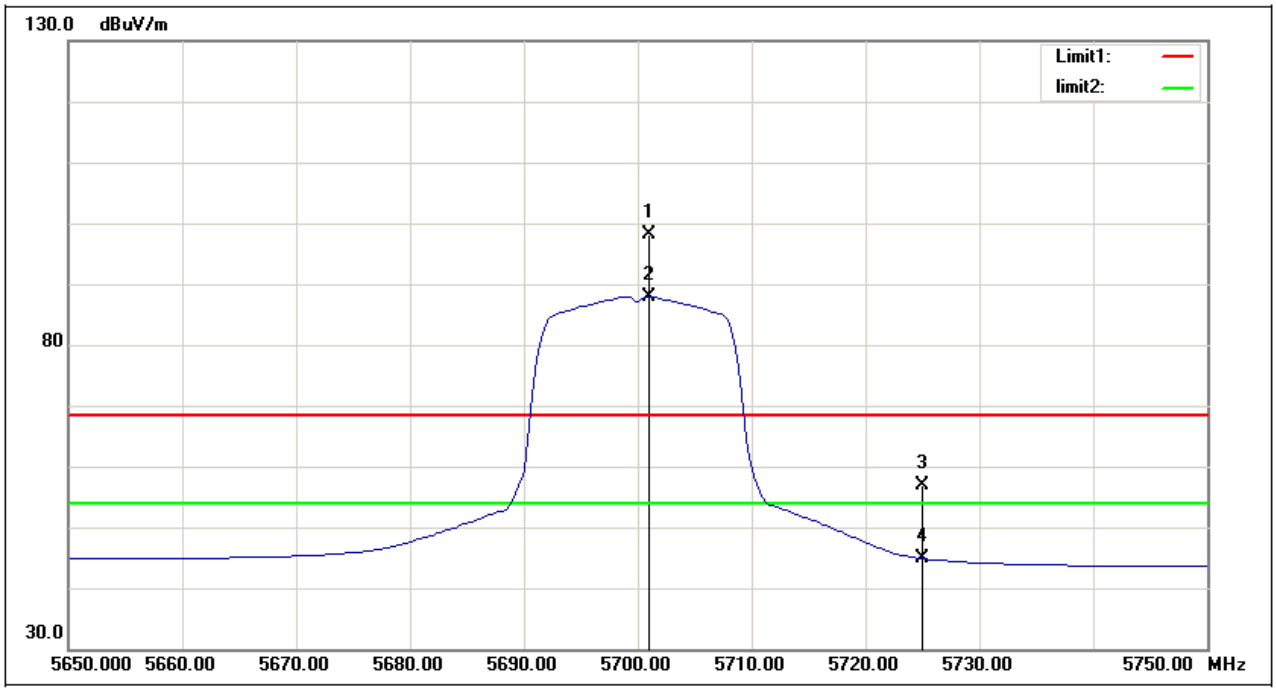
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5698.750	95.83	5.75	101.58	/	/	peak
2	5701.000	85.64	5.75	91.39	/	/	AVG
3	5725.000	51.43	5.79	57.22	68.30	-11.08	peak
4	5725.000	40.11	5.79	45.90	54.00	-8.10	AVG

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

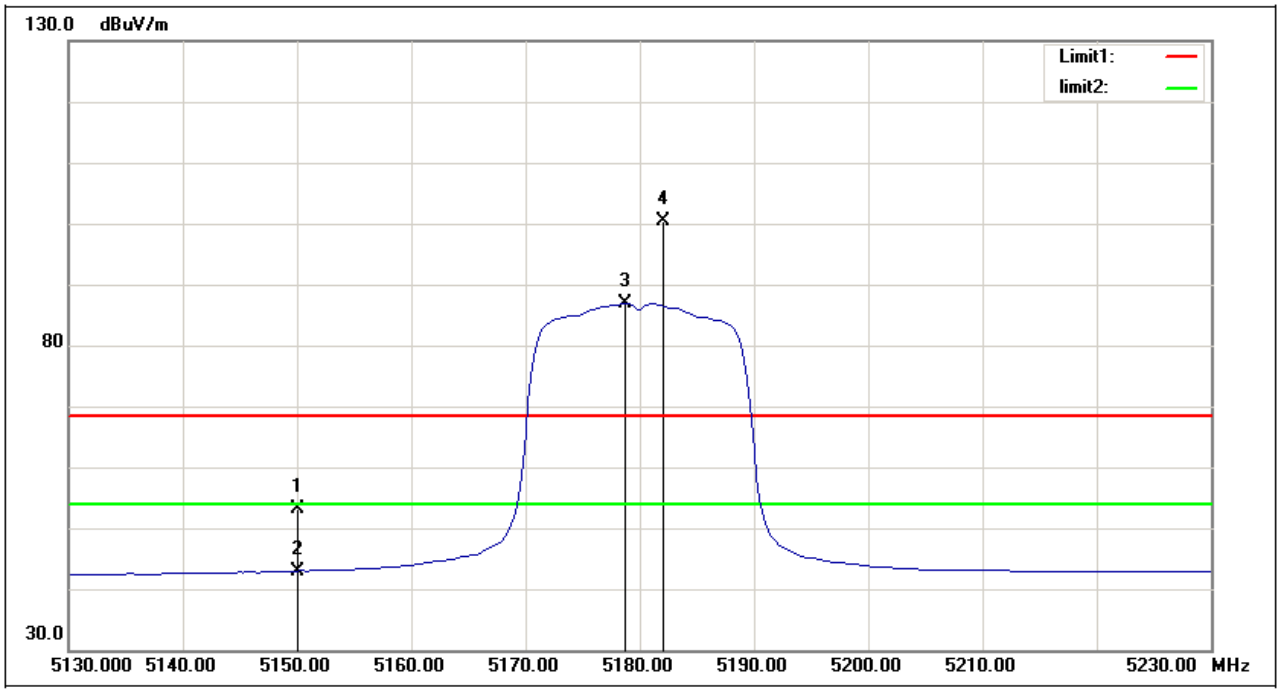
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5701.000	92.34	5.75	98.09	/	/	peak
2	5701.000	82.10	5.75	87.85	/	/	AVG
3	5725.000	51.08	5.79	56.87	68.30	-11.43	peak
4	5725.000	39.06	5.79	44.85	54.00	-9.15	AVG

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

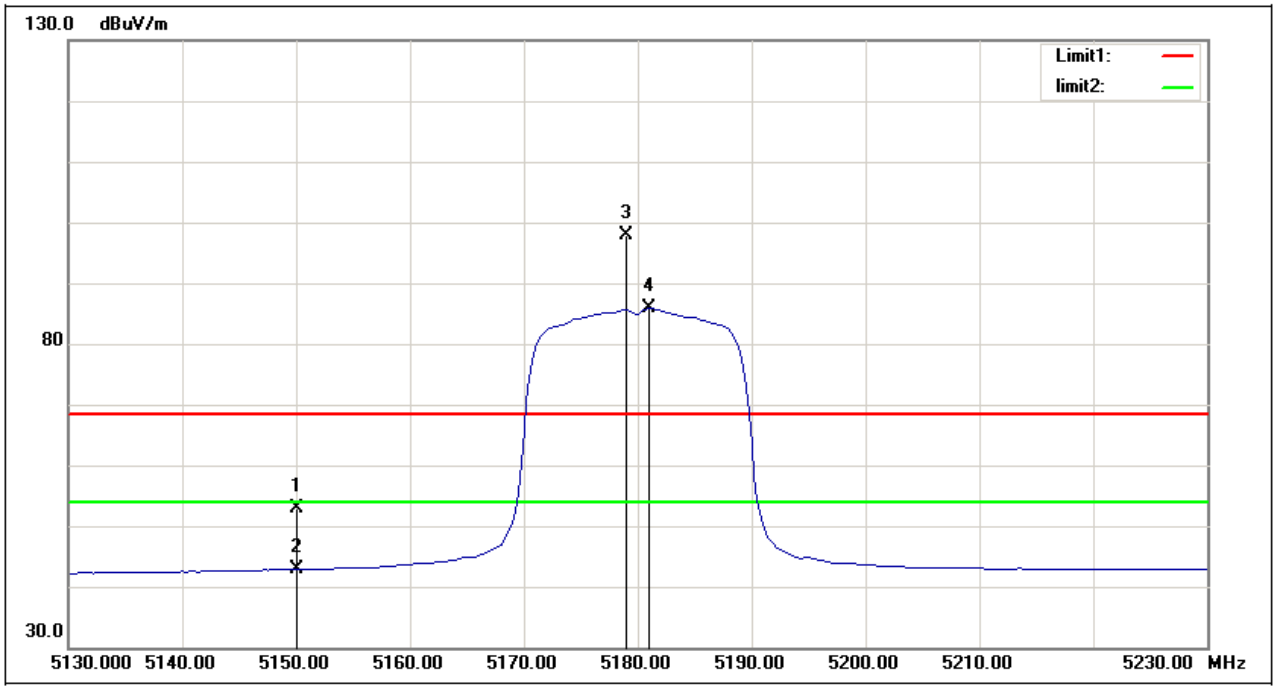
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	49.42	3.74	53.16	68.30	-15.14	peak
2	5150.000	39.22	3.74	42.96	54.00	-11.04	AVG
3	5178.750	82.97	3.88	86.85	/	/	AVG
4	5182.000	96.49	3.89	100.38	/	/	peak

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

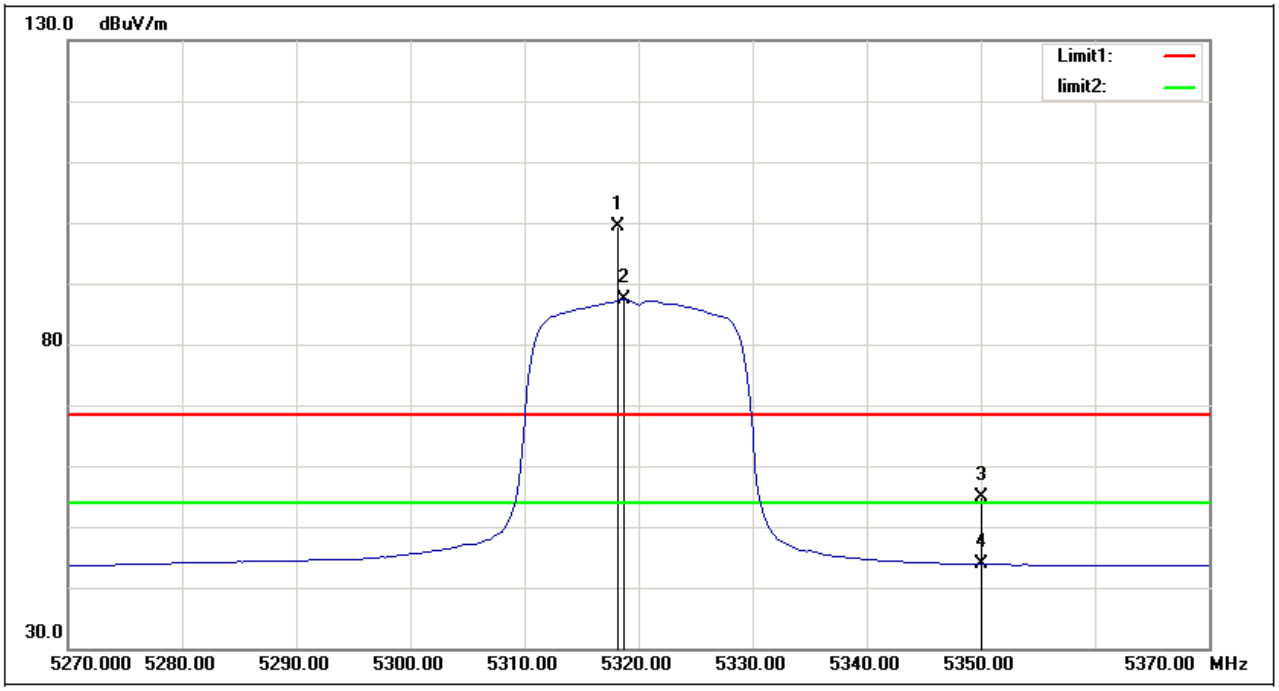
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	49.25	3.74	52.99	68.30	-15.31	peak
2	5150.000	39.08	3.74	42.82	54.00	-11.18	AVG
3	5179.000	94.00	3.88	97.88	/	/	peak
4	5181.000	81.92	3.88	85.80	/	/	AVG

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

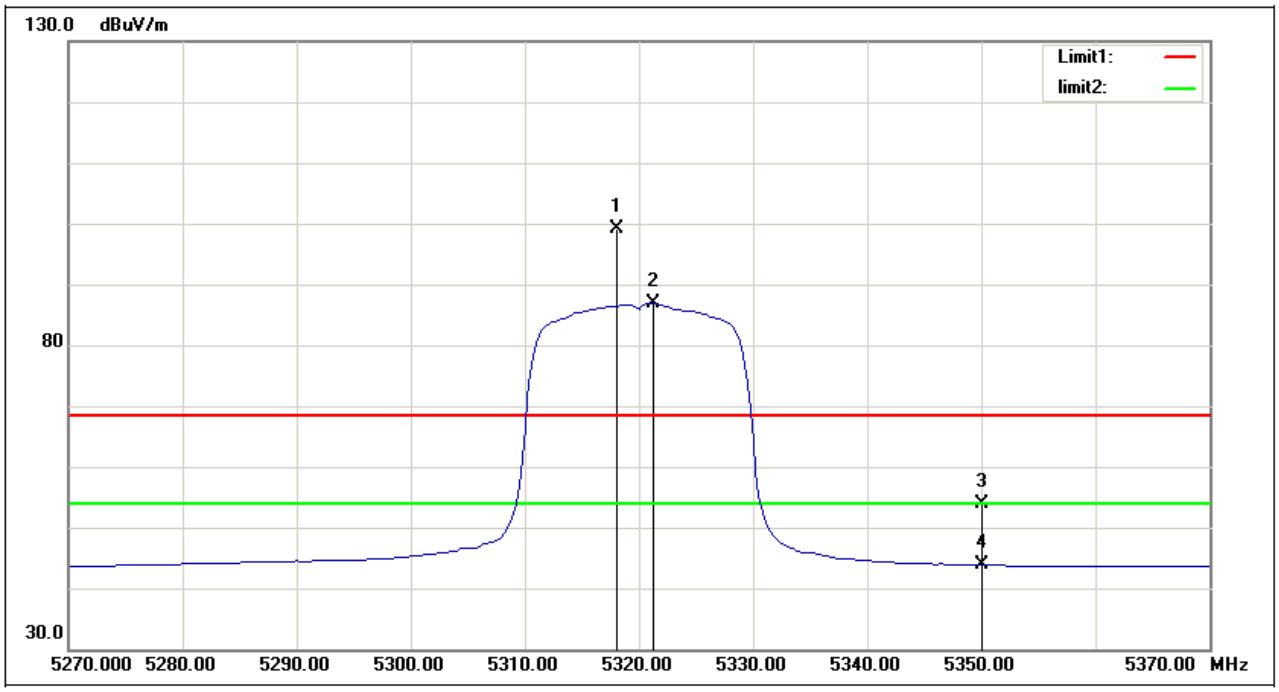
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5318.250	94.87	4.55	99.42	/	/	peak
2	5318.750	82.82	4.55	87.37	/	/	AVG
3	5350.000	50.28	4.70	54.98	68.30	-13.32	peak
4	5350.000	39.14	4.70	43.84	54.00	-10.16	AVG

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

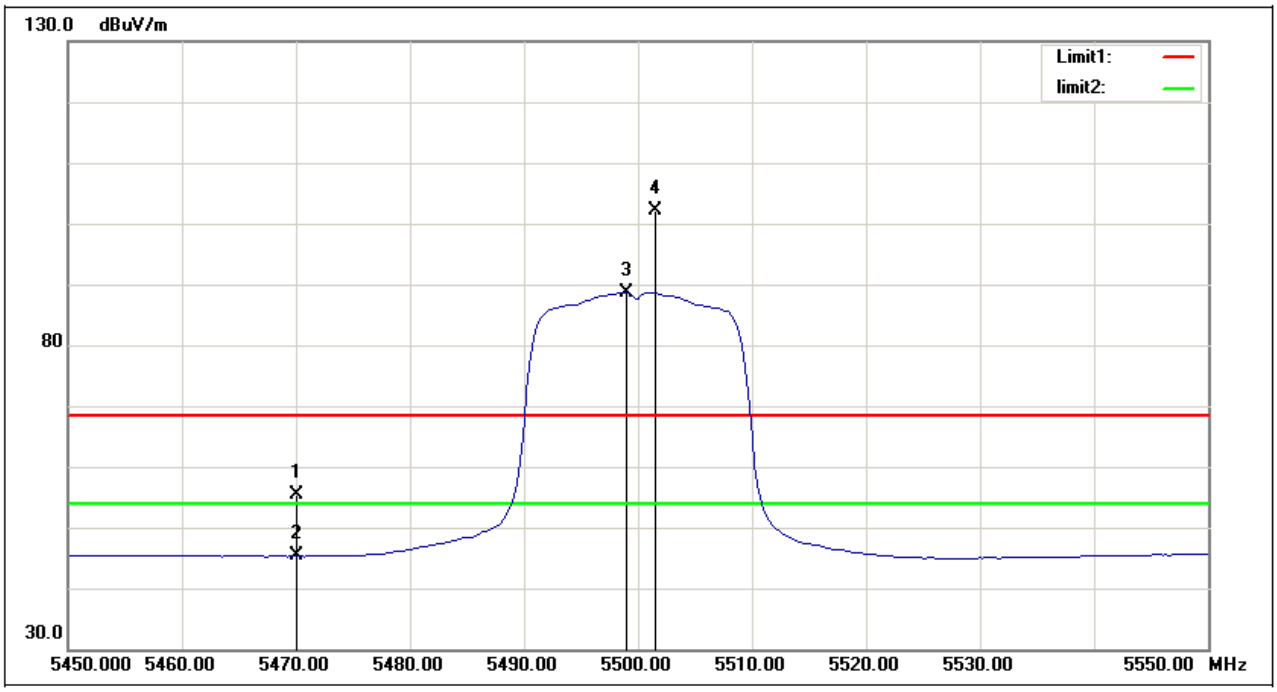
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5318.000	94.49	4.55	99.04	/	/	peak
2	5321.250	82.33	4.56	86.89	/	/	AVG
3	5350.000	49.16	4.70	53.86	68.30	-14.44	peak
4	5350.000	39.10	4.70	43.80	54.00	-10.20	AVG

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

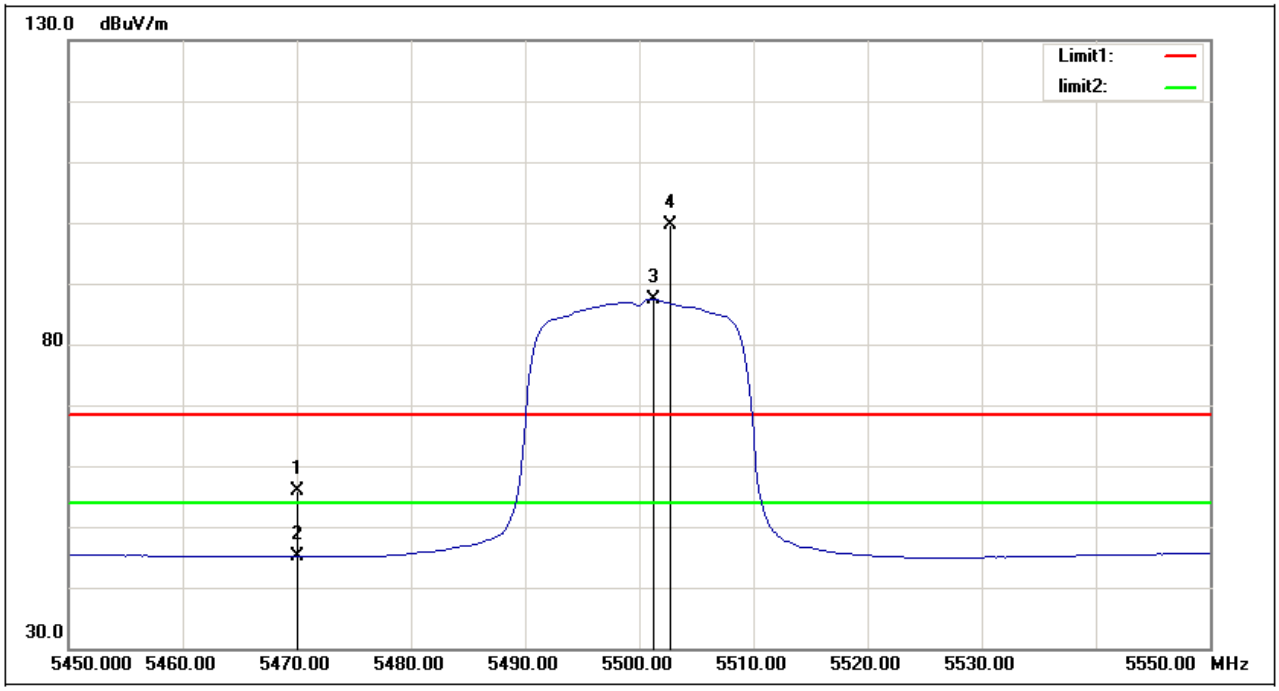
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5470.000	50.00	5.28	55.28	68.30	-13.02	peak
2	5470.000	39.99	5.28	45.27	54.00	-8.73	AVG
3	5499.000	83.26	5.42	88.68	/	/	AVG
4	5501.500	96.61	5.43	102.04	/	/	peak

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

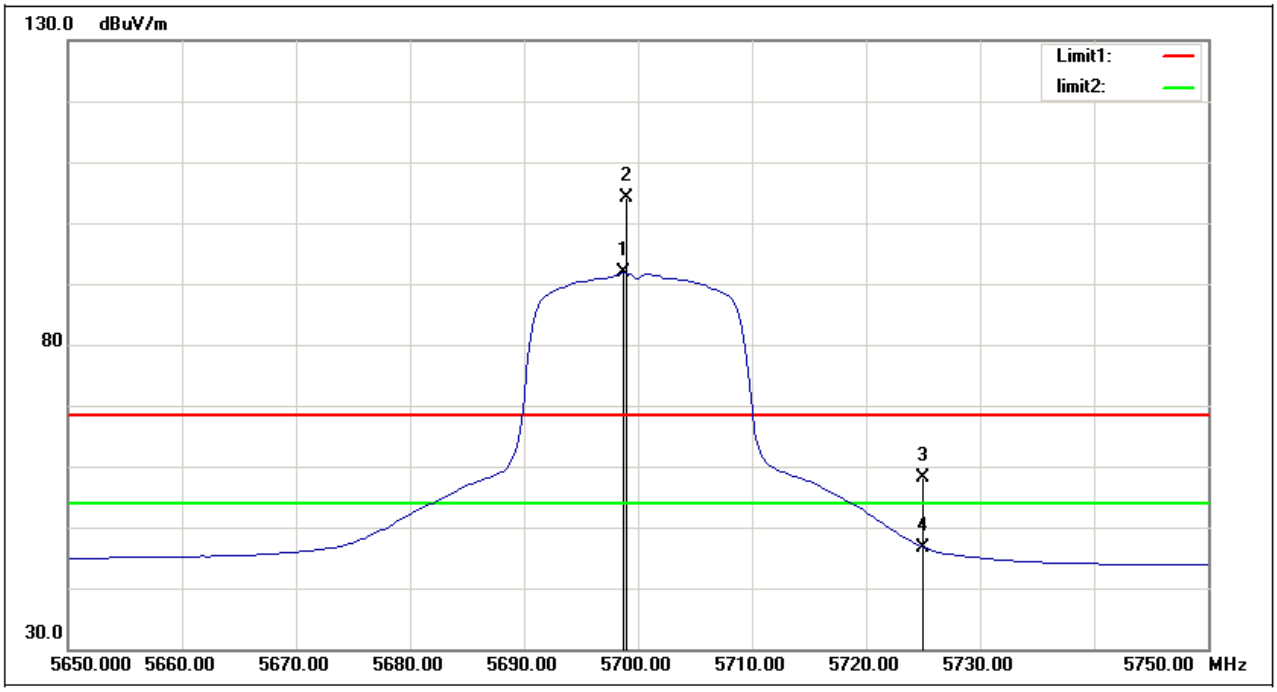
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5470.000	50.54	5.28	55.82	68.30	-12.48	peak
2	5470.000	39.77	5.28	45.05	54.00	-8.95	AVG
3	5501.250	81.94	5.43	87.37	/	/	AVG
4	5502.750	94.24	5.44	99.68	/	/	peak

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

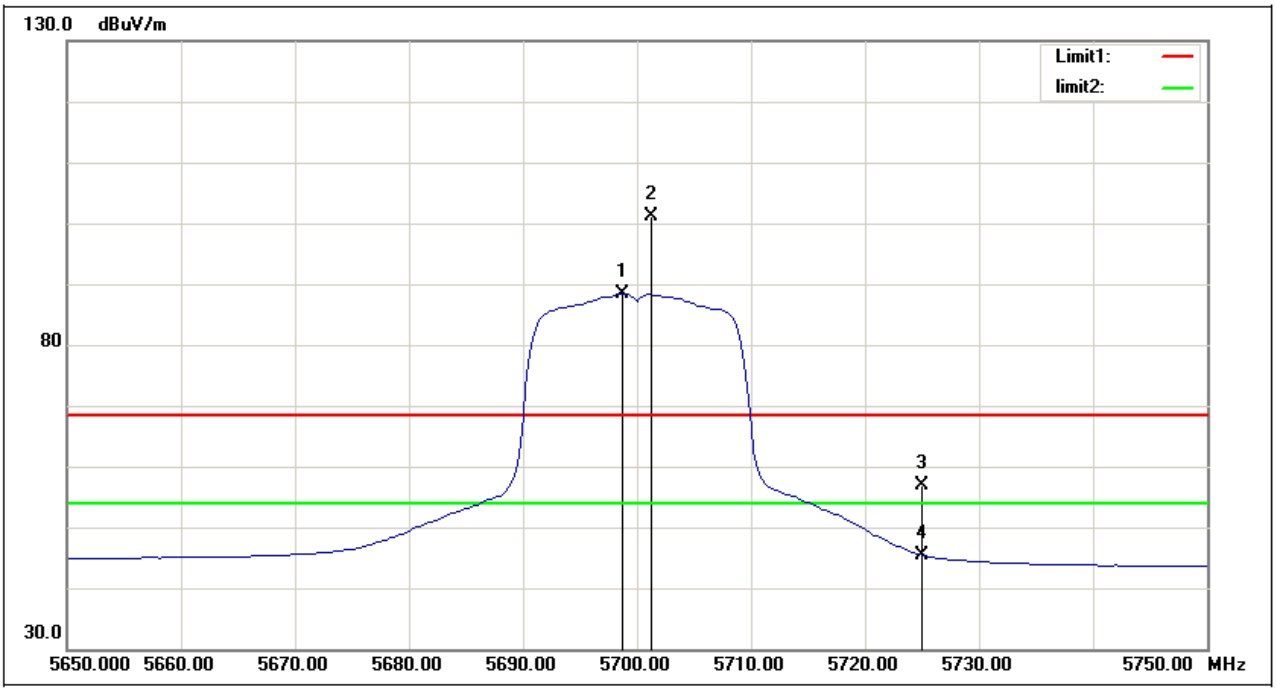
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5698.750	86.01	5.75	91.76	/	/	AVG
2	5699.000	98.50	5.75	104.25	/	/	peak
3	5725.000	52.33	5.79	58.12	68.30	-10.18	peak
4	5725.000	40.90	5.79	46.69	54.00	-7.31	AVG

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

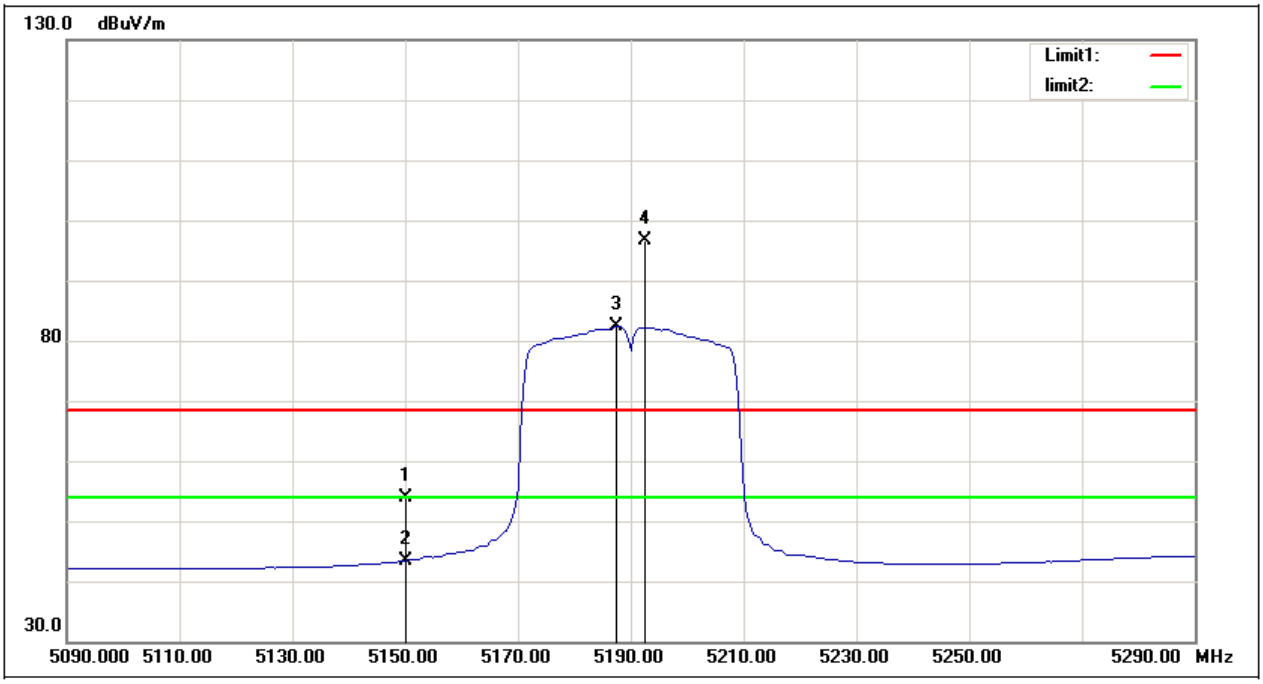
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5698.750	82.71	5.75	88.46	/	/	AVG
2	5701.250	95.50	5.75	101.25	/	/	peak
3	5725.000	51.09	5.79	56.88	68.30	-11.42	peak
4	5725.000	39.61	5.79	45.40	54.00	-8.60	AVG

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

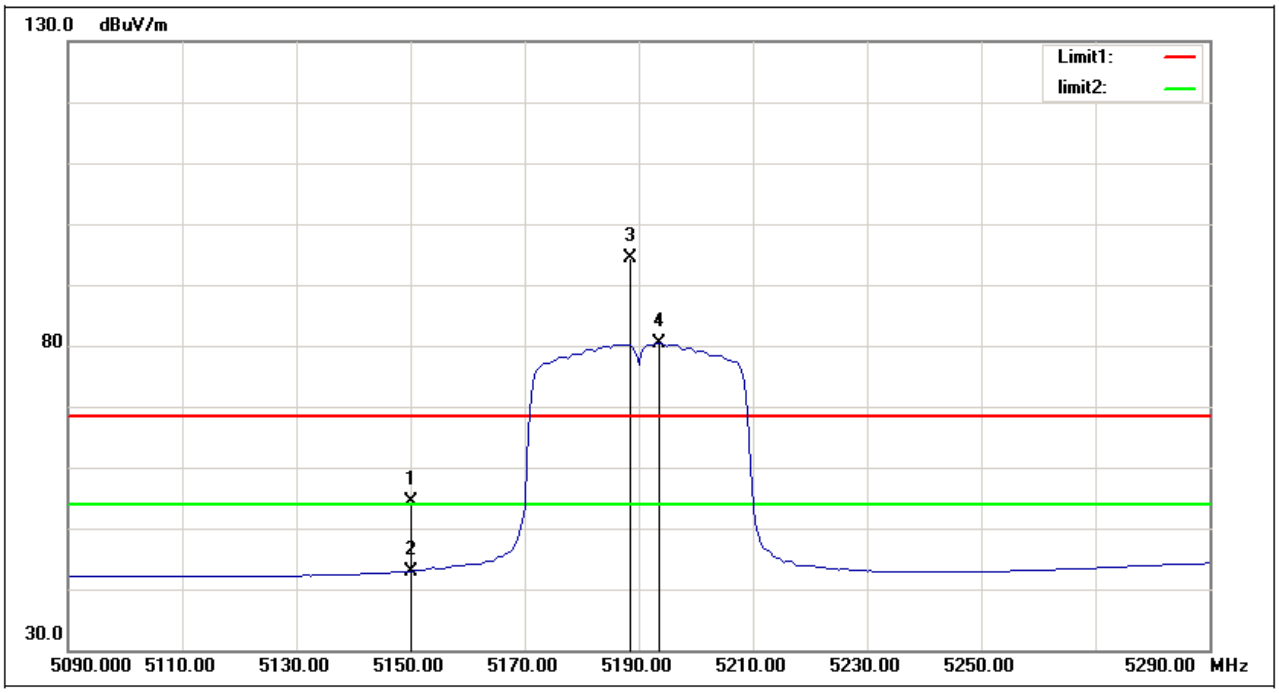
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	50.13	3.74	53.87	68.30	-14.43	peak
2	5150.000	39.69	3.74	43.43	54.00	-10.57	AVG
3	5187.500	78.39	3.92	82.31	/	/	AVG
4	5192.500	92.62	3.94	96.56	/	/	peak

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

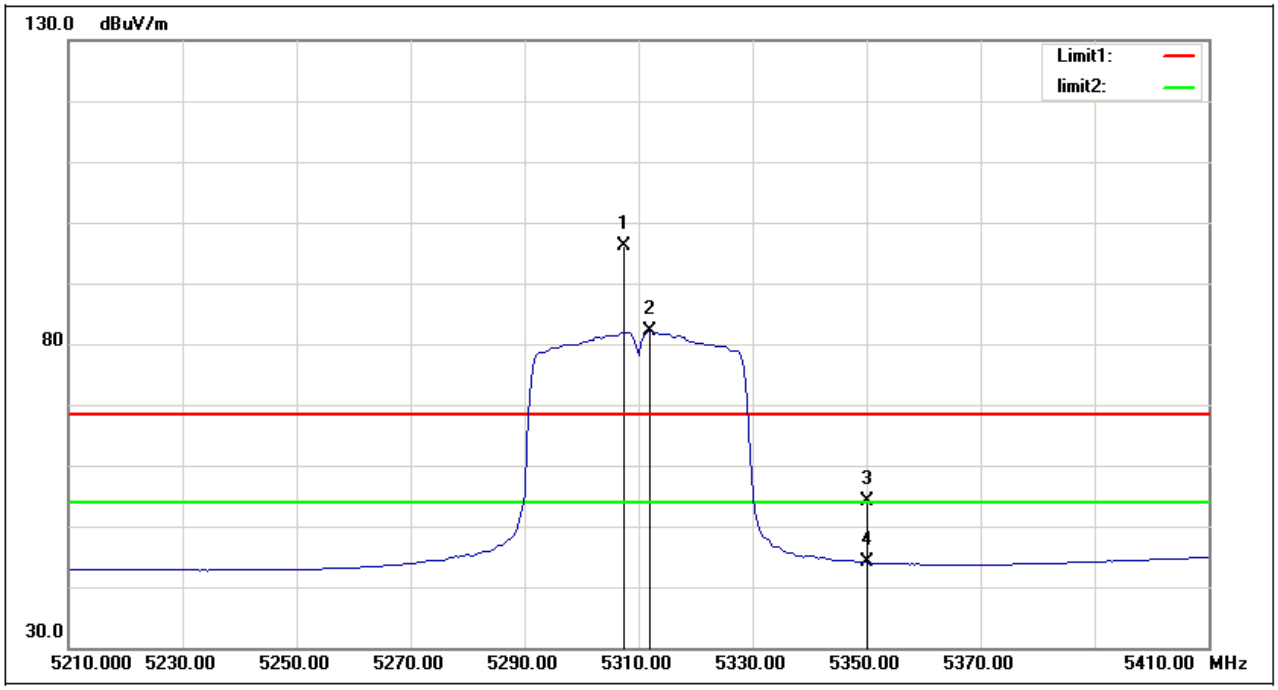
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	50.68	3.74	54.42	68.30	-13.88	peak
2	5150.000	39.20	3.74	42.94	54.00	-11.06	AVG
3	5188.500	90.46	3.93	94.39	/	/	peak
4	5193.500	76.48	3.95	80.43	/	/	AVG

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

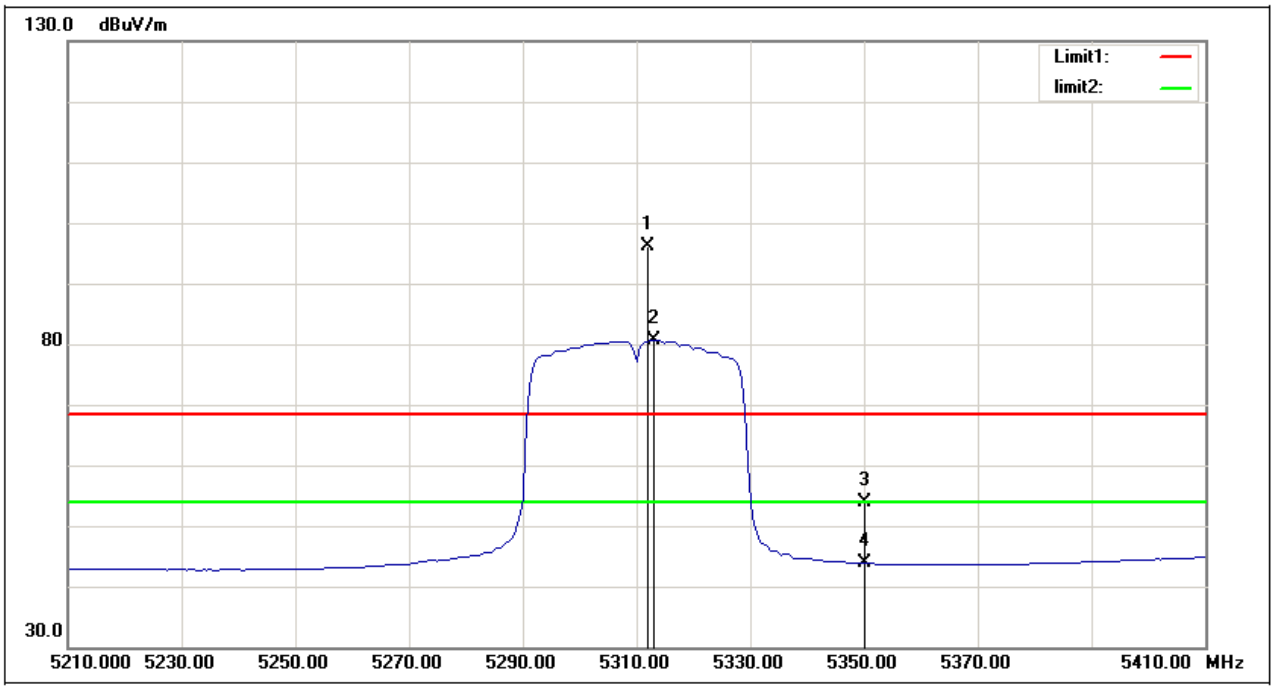
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5307.500	91.64	4.51	96.15	/	/	peak
2	5312.000	77.49	4.52	82.01	/	/	AVG
3	5350.000	49.48	4.70	54.18	68.30	-14.12	peak
4	5350.000	39.34	4.70	44.04	54.00	-9.96	AVG

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

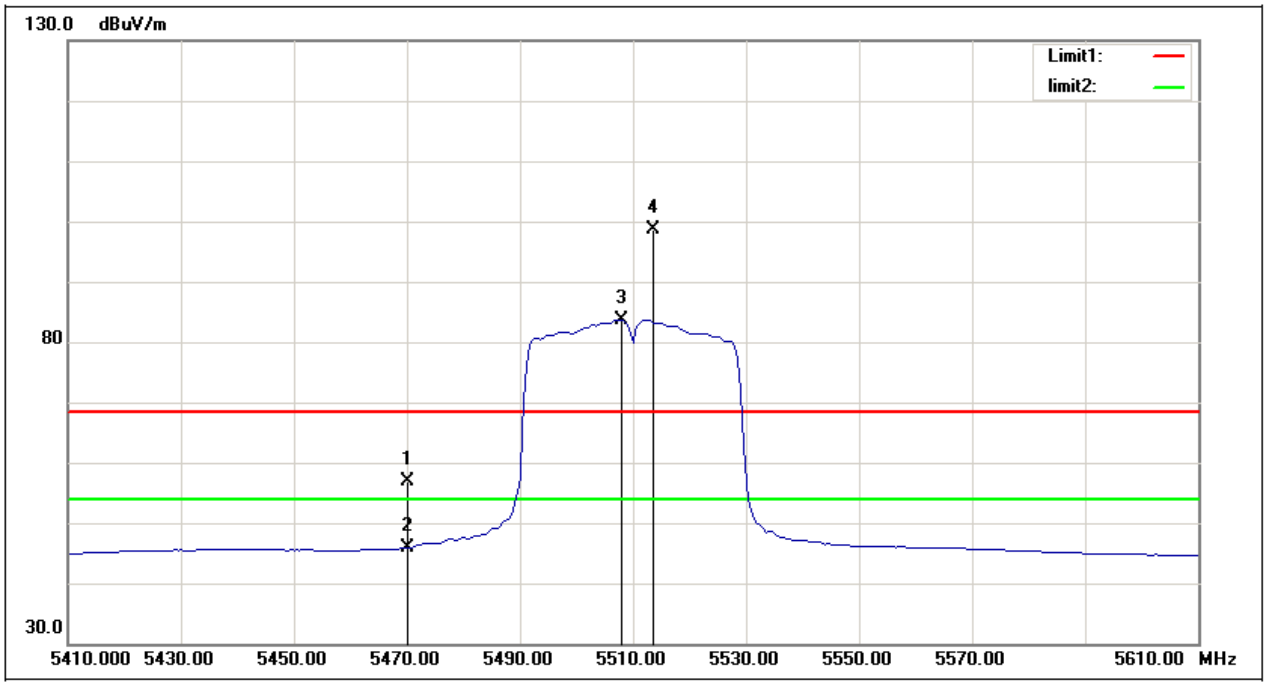
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5312.000	91.49	4.52	96.01	/	/	peak
2	5313.000	76.17	4.53	80.70	/	/	AVG
3	5350.000	49.29	4.70	53.99	68.30	-14.31	peak
4	5350.000	39.13	4.70	43.83	54.00	-10.17	AVG

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

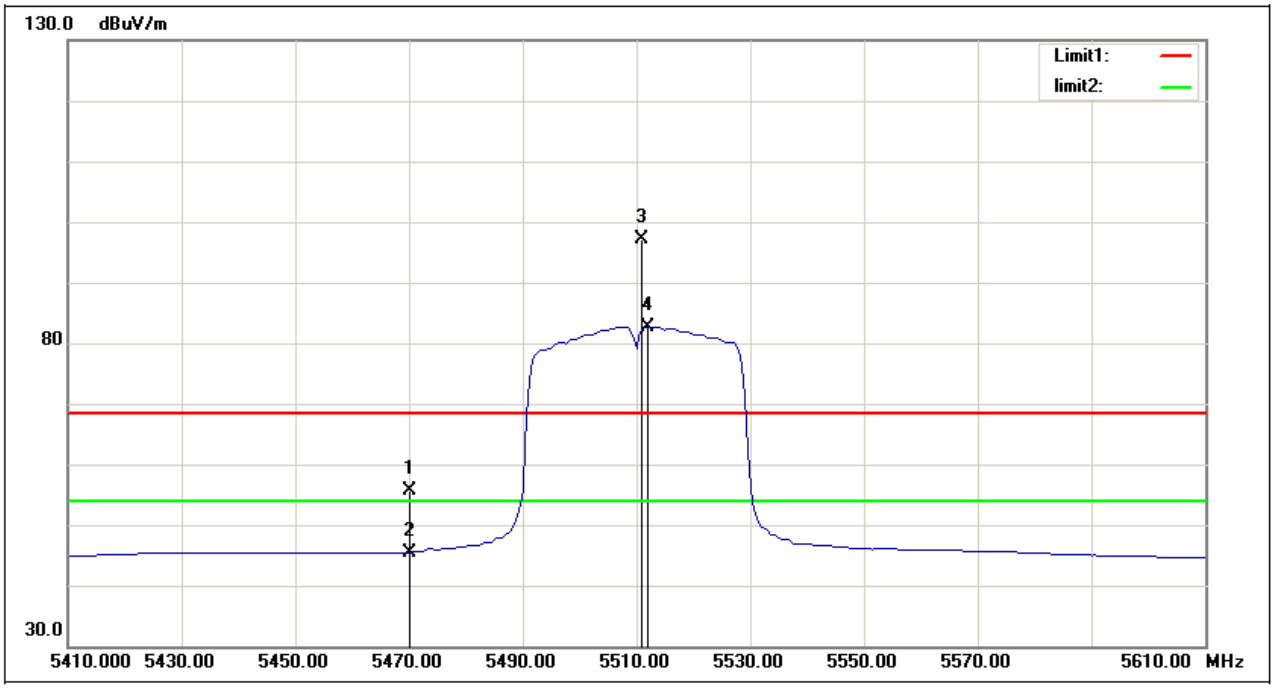
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5470.000	51.63	5.28	56.91	68.30	-11.39	peak
2	5470.000	40.71	5.28	45.99	54.00	-8.01	AVG
3	5508.000	78.20	5.44	83.64	/	/	AVG
4	5513.500	93.28	5.45	98.73	/	/	peak

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

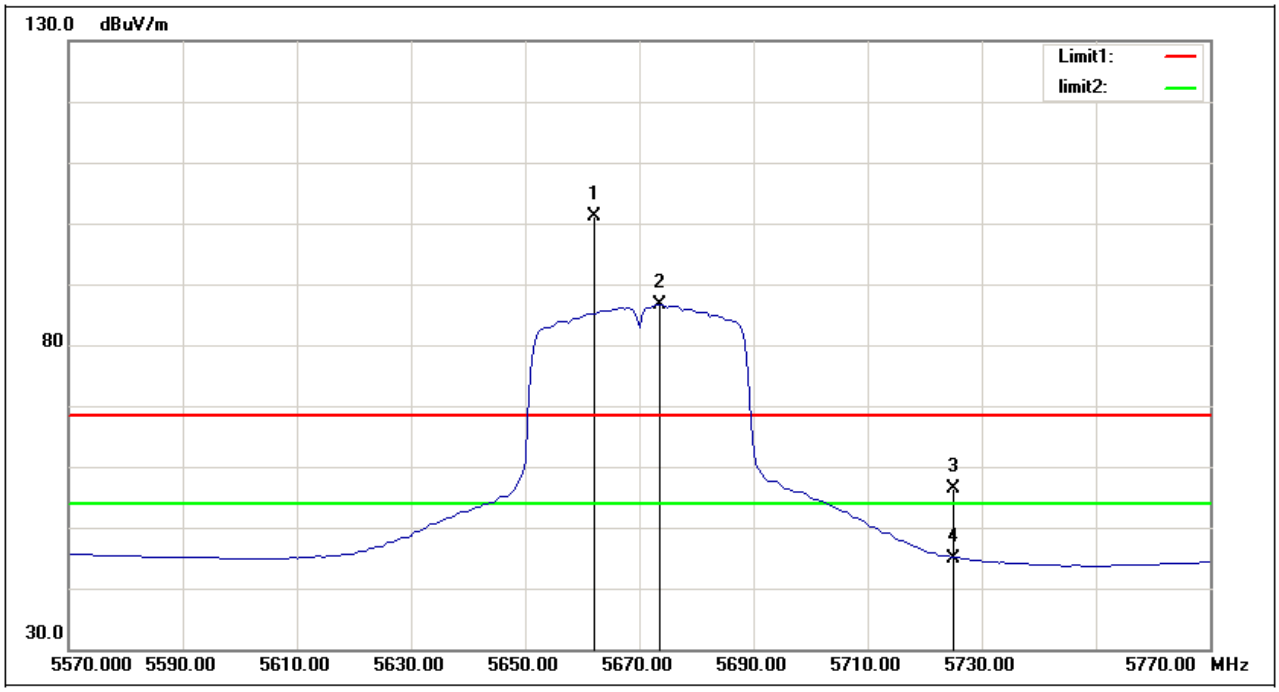
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5470.000	50.24	5.28	55.52	68.30	-12.78	peak
2	5470.000	40.20	5.28	45.48	54.00	-8.52	AVG
3	5511.000	91.80	5.44	97.24	/	/	peak
4	5512.000	77.25	5.44	82.69	/	/	AVG

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

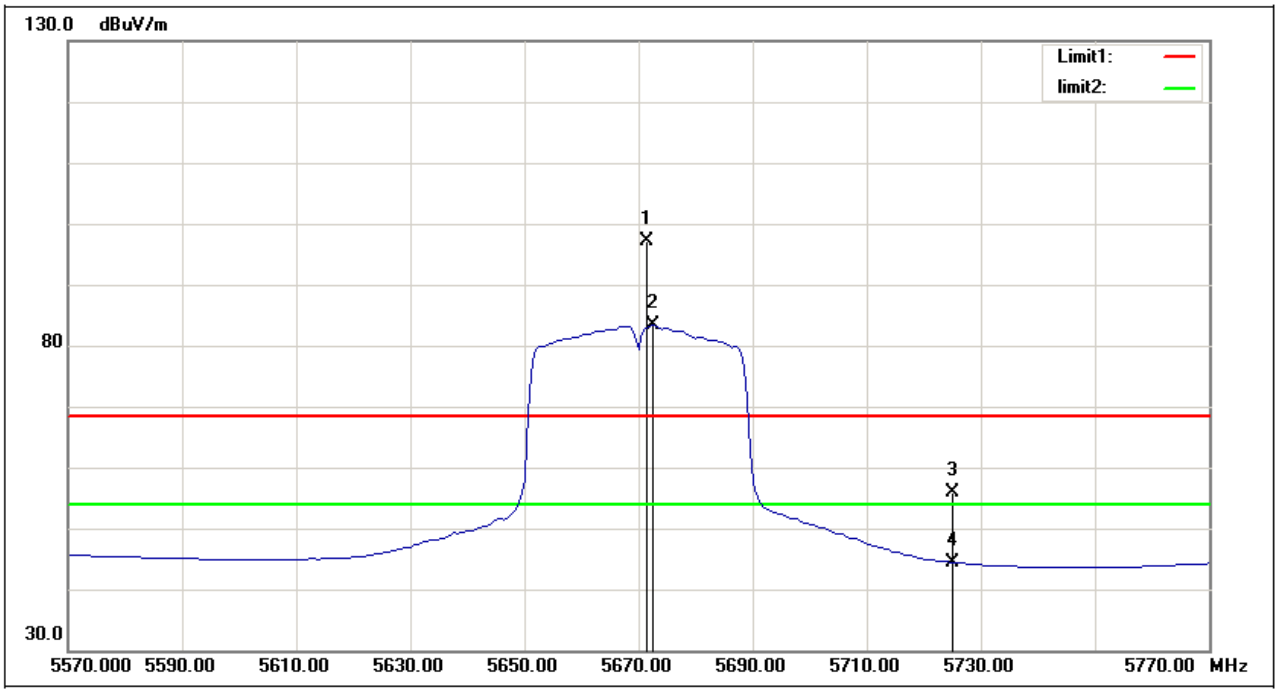
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5662.000	95.48	5.68	101.16	/	/	peak
2	5673.500	80.91	5.71	86.62	/	/	AVG
3	5725.000	50.65	5.79	56.44	68.30	-11.86	peak
4	5725.000	39.21	5.79	45.00	54.00	-9.00	AVG

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

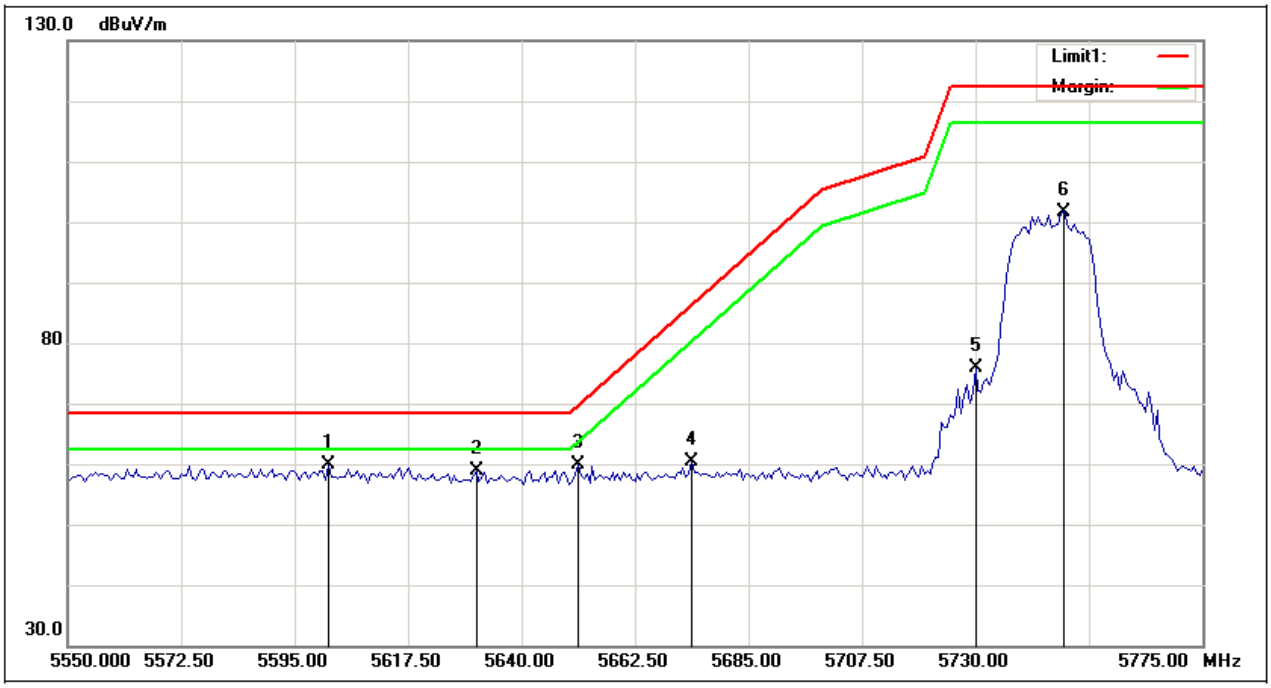
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5671.500	91.50	5.70	97.20	/	/	peak
2	5672.500	77.57	5.70	83.27	/	/	AVG
3	5725.000	50.16	5.79	55.95	68.30	-12.35	peak
4	5725.000	38.62	5.79	44.41	54.00	-9.59	AVG

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

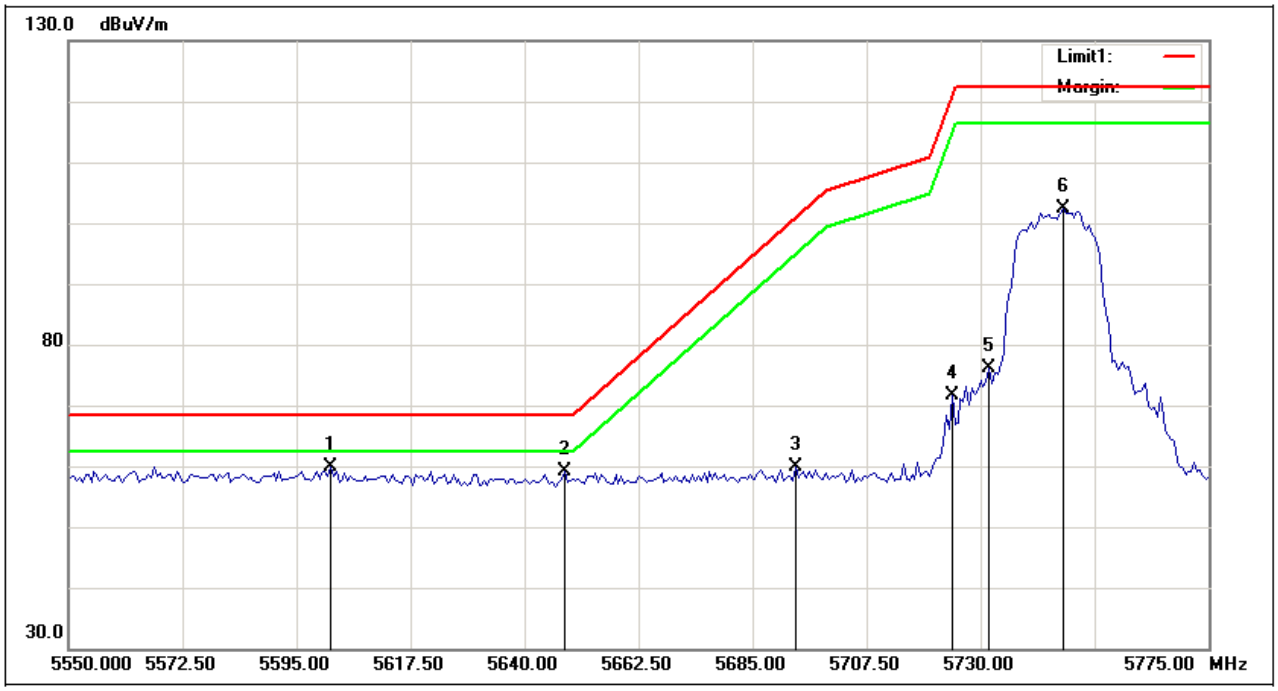
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5601.750	54.37	5.59	59.96	68.30	-8.34	peak
2	5631.000	53.16	5.64	58.80	68.30	-9.50	peak
3	5651.250	54.11	5.67	59.78	69.22	-9.44	peak
4	5673.750	54.75	5.71	60.46	85.87	-25.41	peak
5	5730.000	69.99	5.80	75.79	122.30	-46.51	peak
6	5747.438	95.93	5.82	101.75	122.30	-20.55	peak

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

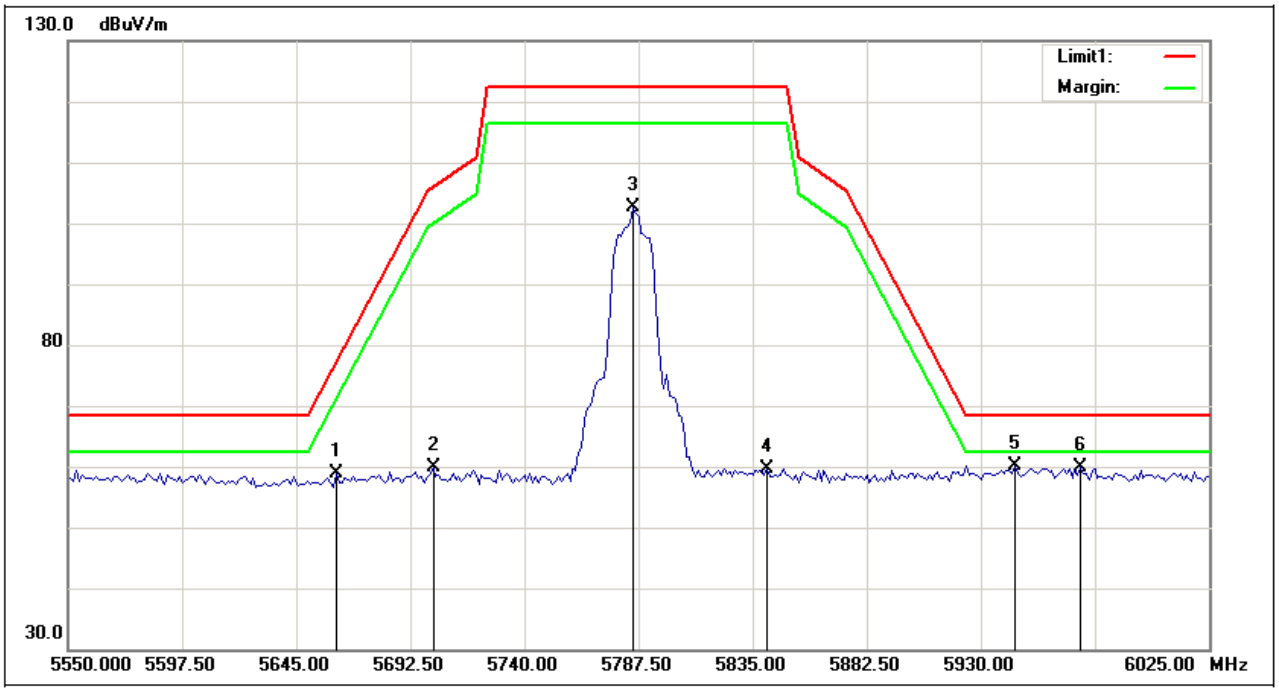
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5601.750	54.22	5.59	59.81	68.30	-8.49	peak
2	5647.875	53.36	5.67	59.03	68.30	-9.27	peak
3	5693.438	54.13	5.74	59.87	100.44	-40.57	peak
4	5724.375	65.76	5.79	71.55	120.87	-49.32	peak
5	5731.688	70.46	5.79	76.25	122.30	-46.05	peak
6	5746.313	96.54	5.82	102.36	122.30	-19.94	peak

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

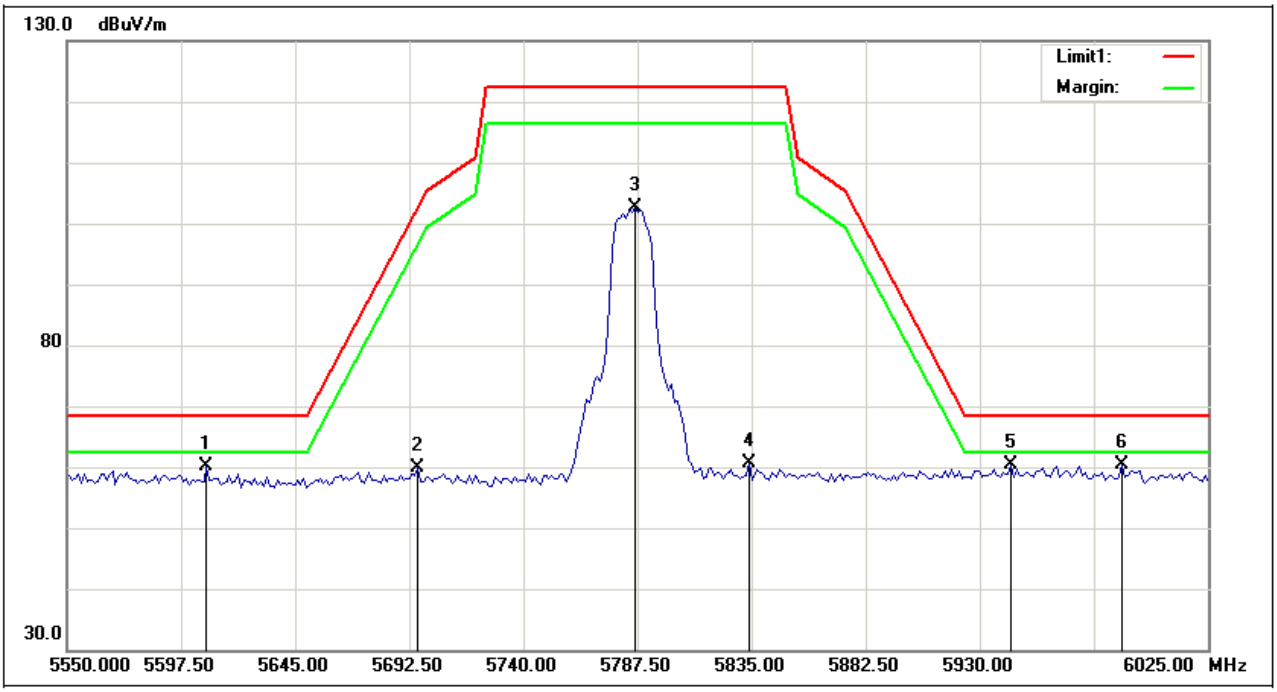
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5661.625	53.26	5.68	58.94	76.90	-17.96	peak
2	5702.000	54.21	5.75	59.96	105.86	-45.90	peak
3	5785.125	96.66	5.88	102.54	122.30	-19.76	peak
4	5840.938	53.77	5.97	59.74	122.30	-62.56	peak
5	5944.250	54.06	6.14	60.20	68.30	-8.10	peak
6	5971.563	53.63	6.18	59.81	68.30	-8.49	peak

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

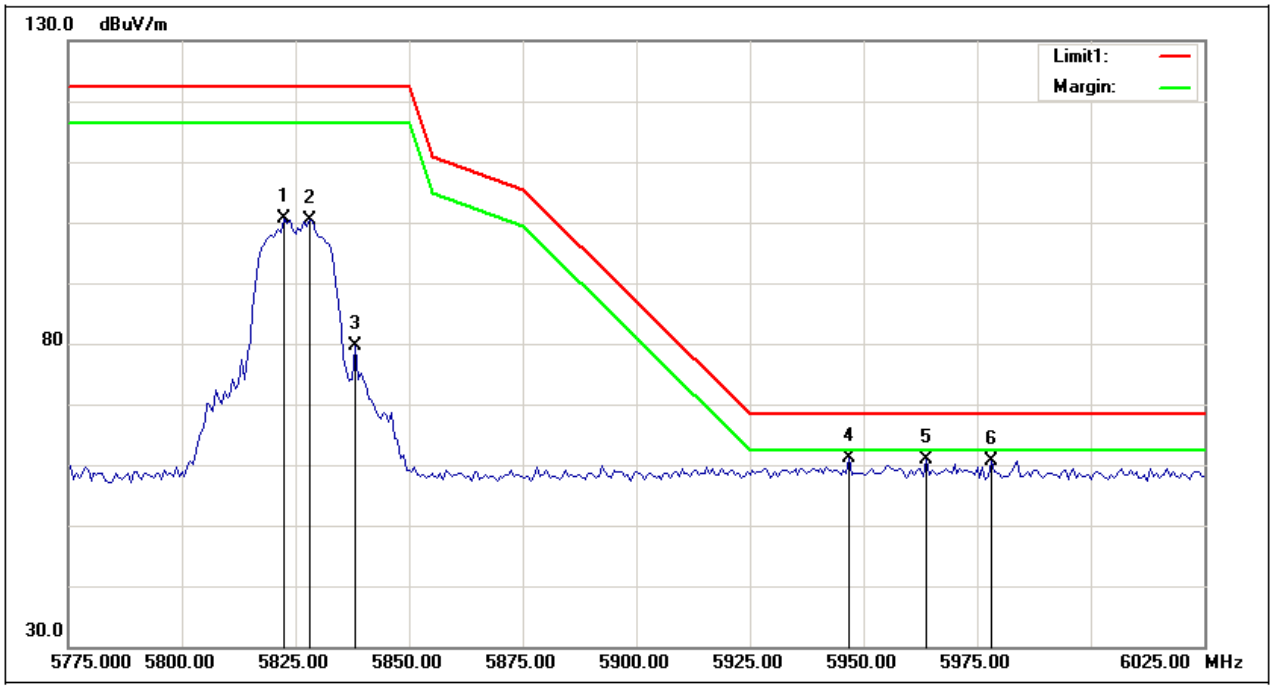
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5608.188	54.56	5.60	60.16	68.30	-8.14	peak
2	5696.063	54.14	5.74	59.88	102.39	-42.51	peak
3	5786.313	96.84	5.88	102.72	122.30	-19.58	peak
4	5833.813	54.60	5.96	60.56	122.30	-61.74	peak
5	5943.063	54.13	6.15	60.28	68.30	-8.02	peak
6	5989.375	54.12	6.22	60.34	68.30	-7.96	peak

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

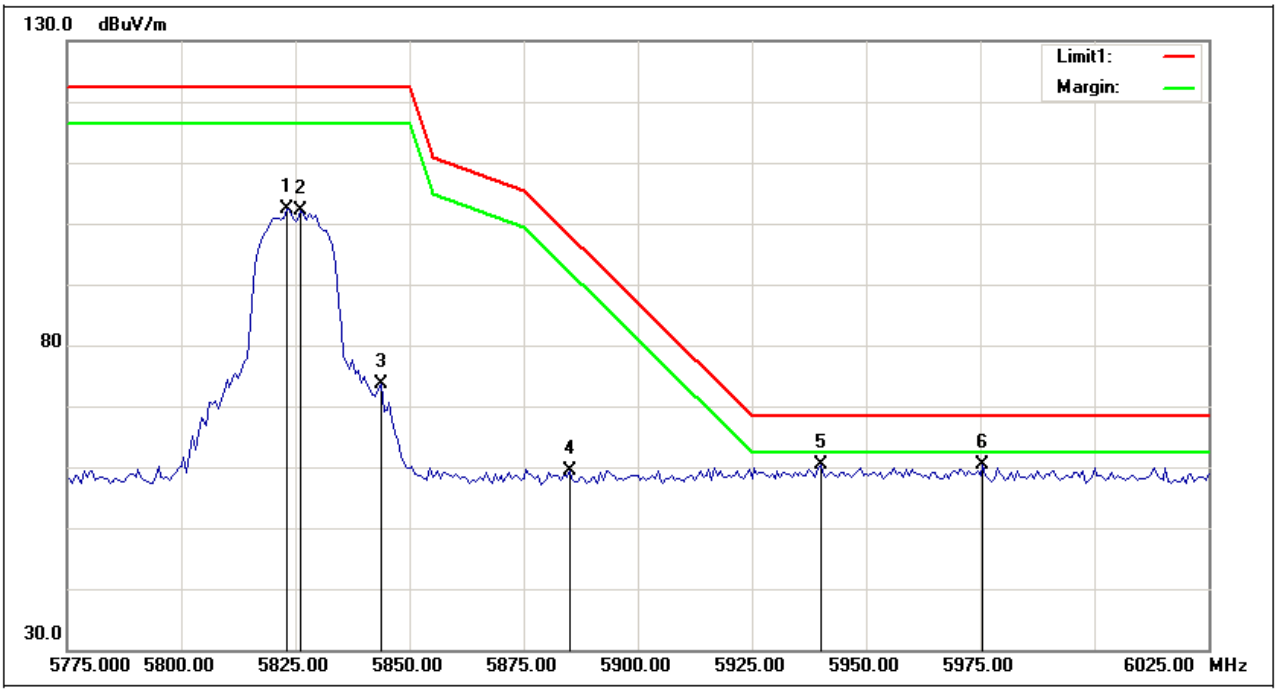
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5822.500	94.78	5.95	100.73	122.30	-21.57	peak
2	5828.125	94.40	5.96	100.36	122.30	-21.94	peak
3	5838.125	73.55	5.97	79.52	122.30	-42.78	peak
4	5946.875	54.88	6.14	61.02	68.30	-7.28	peak
5	5963.750	54.62	6.18	60.80	68.30	-7.50	peak
6	5978.125	54.47	6.20	60.67	68.30	-7.63	peak

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

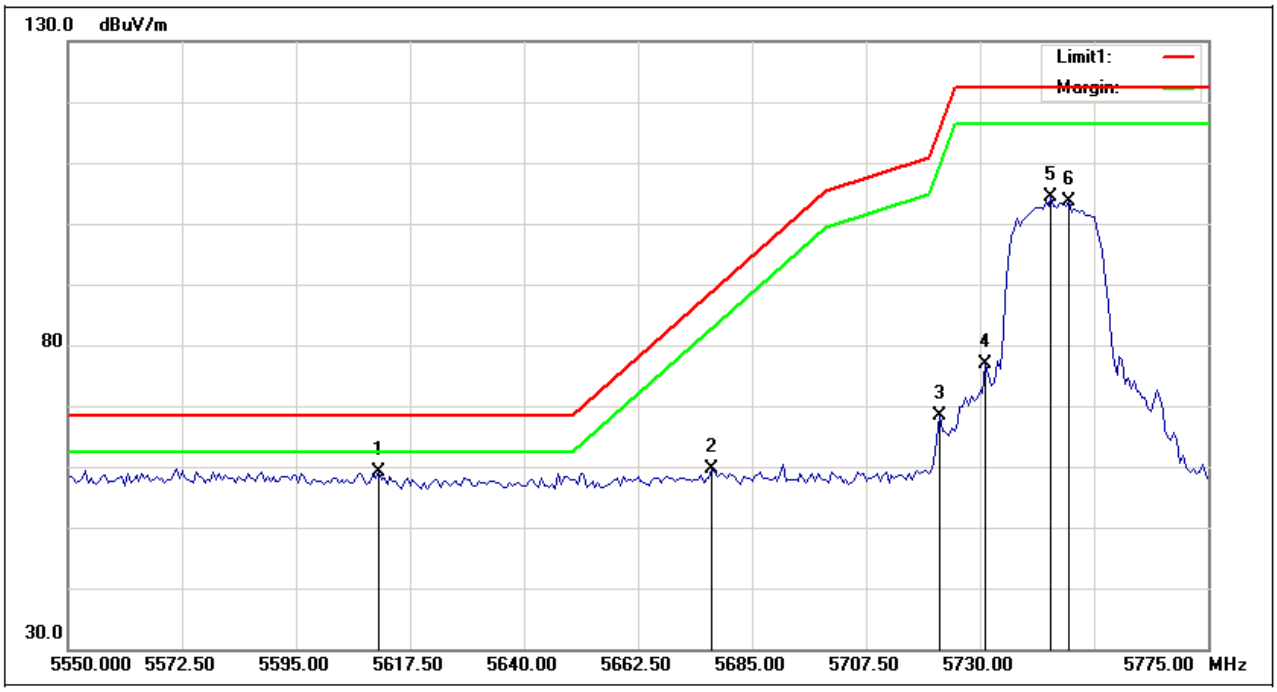
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5823.125	96.54	5.95	102.49	122.30	-19.81	peak
2	5826.250	96.07	5.95	102.02	122.30	-20.28	peak
3	5843.750	67.63	5.98	73.61	122.30	-48.69	peak
4	5885.000	53.30	6.04	59.34	97.90	-38.56	peak
5	5940.000	54.13	6.14	60.27	68.30	-8.03	peak
6	5975.625	54.30	6.19	60.49	68.30	-7.81	peak

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

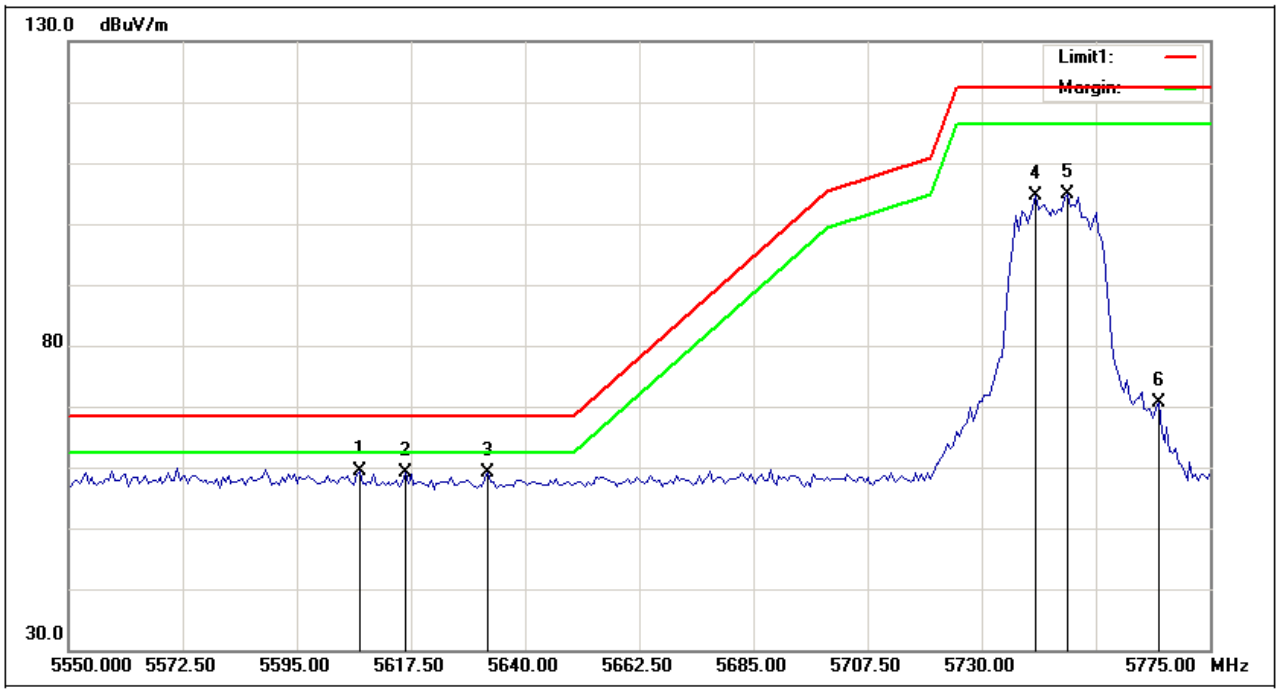
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5611.313	53.63	5.60	59.23	68.30	-9.07	peak
2	5677.125	53.86	5.71	59.57	88.37	-28.80	peak
3	5722.125	62.64	5.78	68.42	115.74	-47.32	peak
4	5731.125	71.03	5.80	76.83	122.30	-45.47	peak
5	5744.063	98.47	5.82	104.29	122.30	-18.01	peak
6	5747.438	97.91	5.82	103.73	122.30	-18.57	peak

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

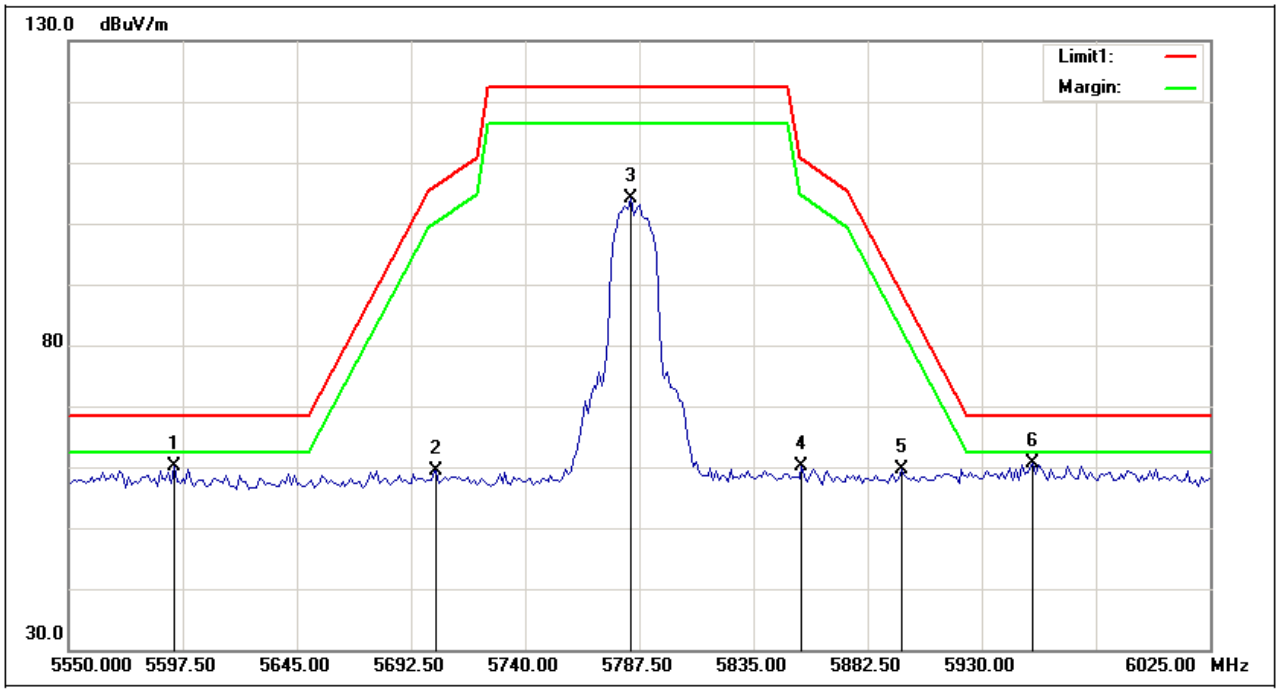
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5607.375	53.88	5.59	59.47	68.30	-8.83	peak
2	5616.375	53.46	5.61	59.07	68.30	-9.23	peak
3	5632.688	53.53	5.64	59.17	68.30	-9.13	peak
4	5740.688	98.89	5.81	104.70	122.30	-17.60	peak
5	5746.875	99.00	5.82	104.82	122.30	-17.48	peak
6	5764.875	64.81	5.85	70.66	122.30	-51.64	peak

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

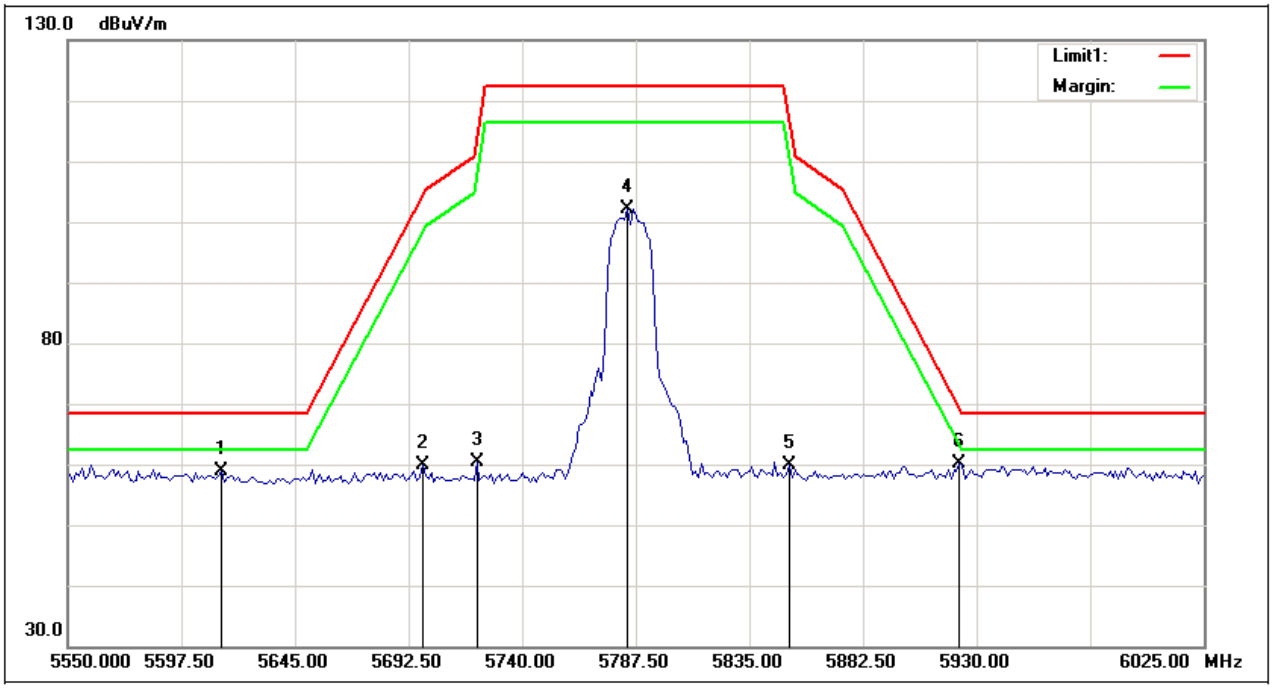
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5593.938	54.53	5.57	60.10	68.30	-8.20	peak
2	5703.188	53.64	5.76	59.40	106.19	-46.79	peak
3	5783.938	98.18	5.88	104.06	122.30	-18.24	peak
4	5855.188	54.21	6.00	60.21	110.85	-50.64	peak
5	5896.750	53.64	6.06	59.70	89.20	-29.50	peak
6	5951.375	54.39	6.15	60.54	68.30	-7.76	peak

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

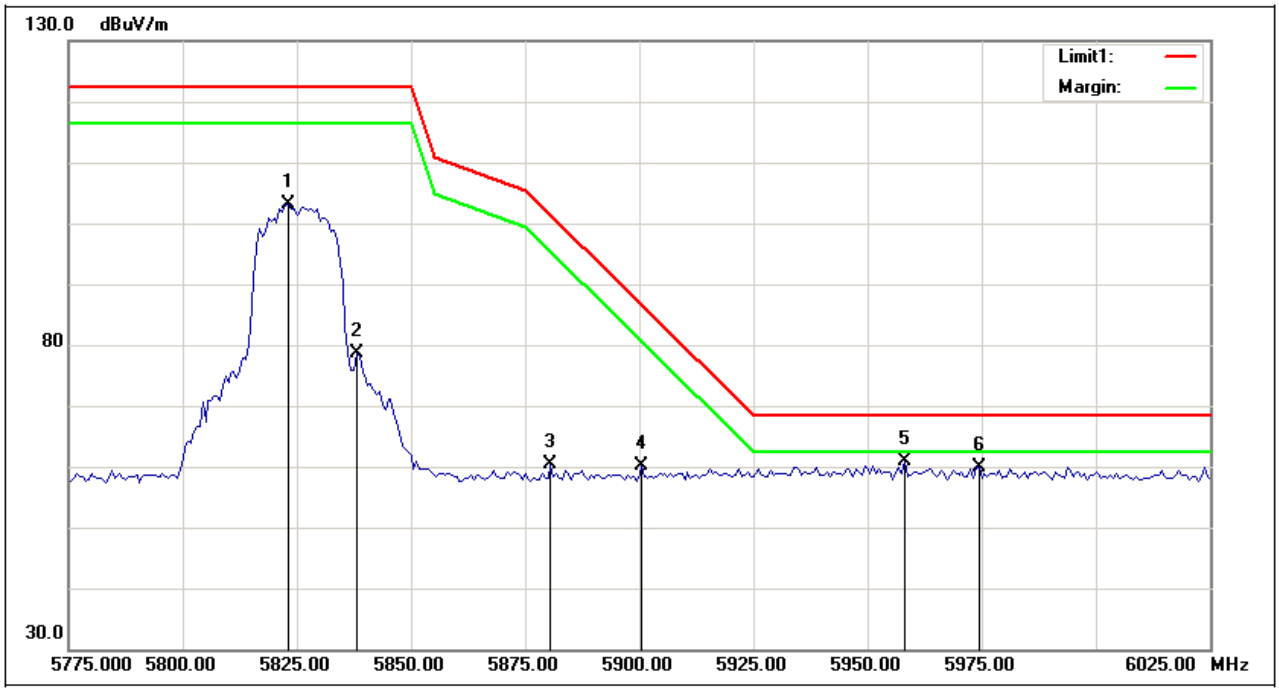
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5614.125	53.35	5.61	58.96	68.30	-9.34	peak
2	5698.438	54.03	5.75	59.78	104.14	-44.36	peak
3	5721.000	54.51	5.78	60.29	113.18	-52.89	peak
4	5783.938	96.27	5.88	102.15	122.30	-20.15	peak
5	5851.625	53.86	5.99	59.85	118.59	-58.74	peak
6	5922.875	53.94	6.11	60.05	69.87	-9.82	peak

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

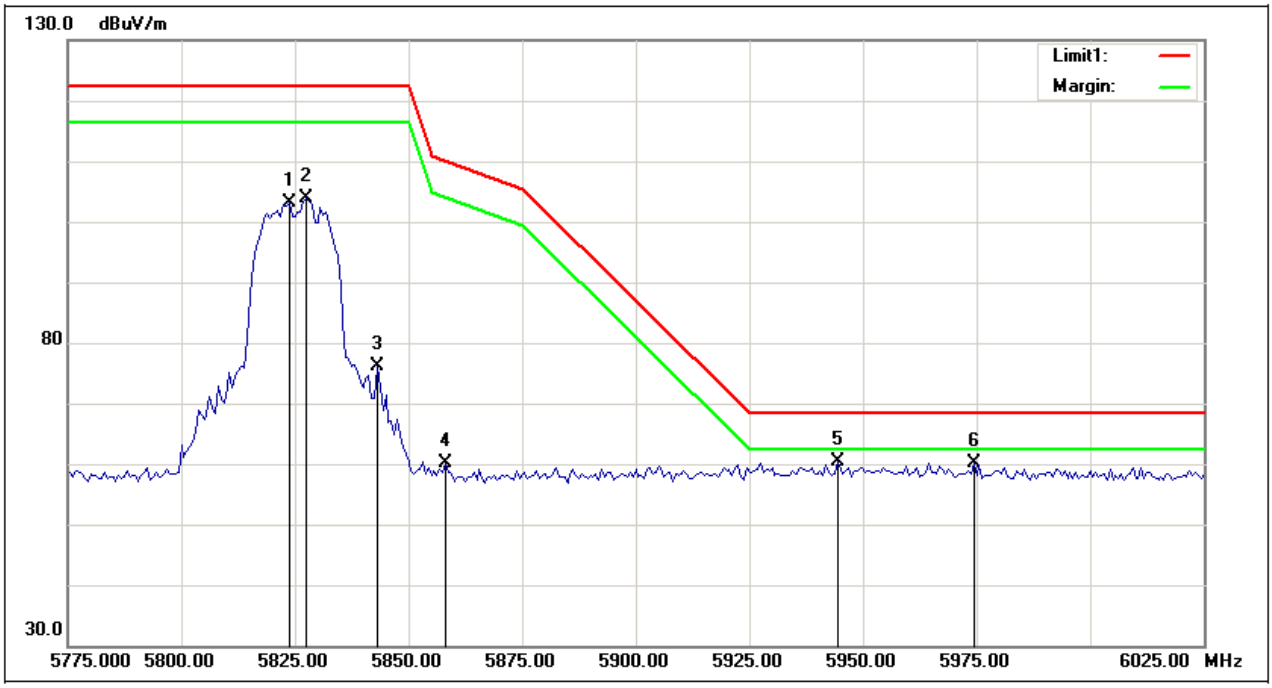
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5823.125	97.20	5.95	103.15	122.30	-19.15	peak
2	5838.125	72.56	5.97	78.53	122.30	-43.77	peak
3	5880.625	54.36	6.04	60.40	101.14	-40.74	peak
4	5900.625	54.00	6.07	60.07	86.34	-26.27	peak
5	5958.125	54.67	6.16	60.83	68.30	-7.47	peak
6	5974.375	53.79	6.19	59.98	68.30	-8.32	peak

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

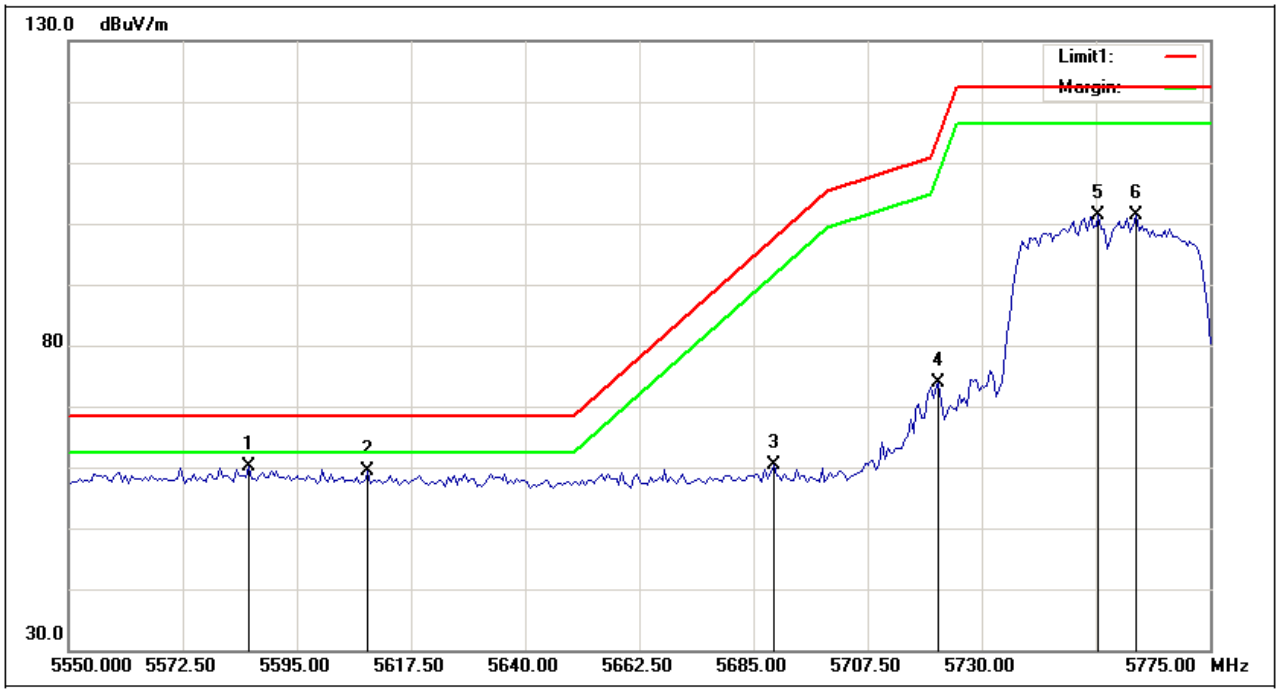
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5823.750	97.13	5.95	103.08	122.30	-19.22	peak
2	5827.500	97.93	5.96	103.89	122.30	-18.41	peak
3	5843.125	70.22	5.99	76.21	122.30	-46.09	peak
4	5858.125	54.06	6.00	60.06	110.02	-49.96	peak
5	5944.375	54.17	6.14	60.31	68.30	-7.99	peak
6	5974.375	53.85	6.19	60.04	68.30	-8.26	peak

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

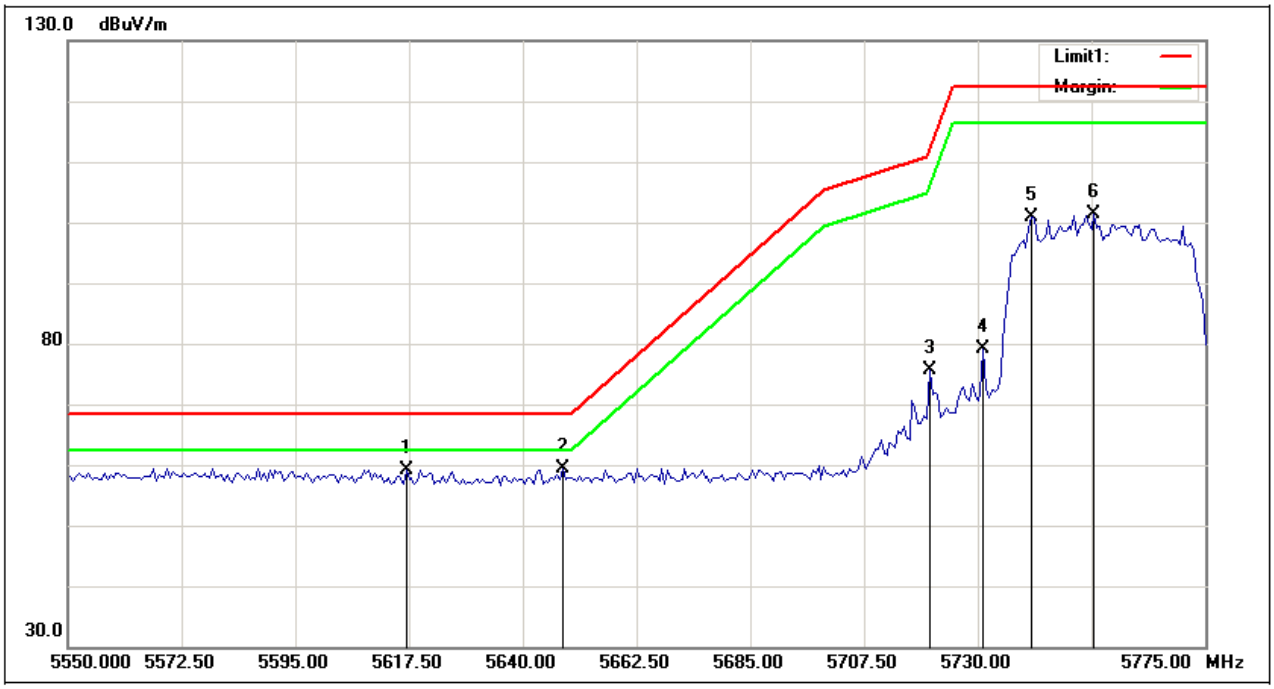
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5585.438	54.55	5.56	60.11	68.30	-8.19	peak
2	5609.063	53.69	5.60	59.29	68.30	-9.01	peak
3	5688.938	54.74	5.73	60.47	97.11	-36.64	peak
4	5721.563	68.06	5.78	73.84	114.46	-40.62	peak
5	5753.063	95.45	5.84	101.29	122.30	-21.01	peak
6	5760.375	95.58	5.84	101.42	122.30	-20.88	peak

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

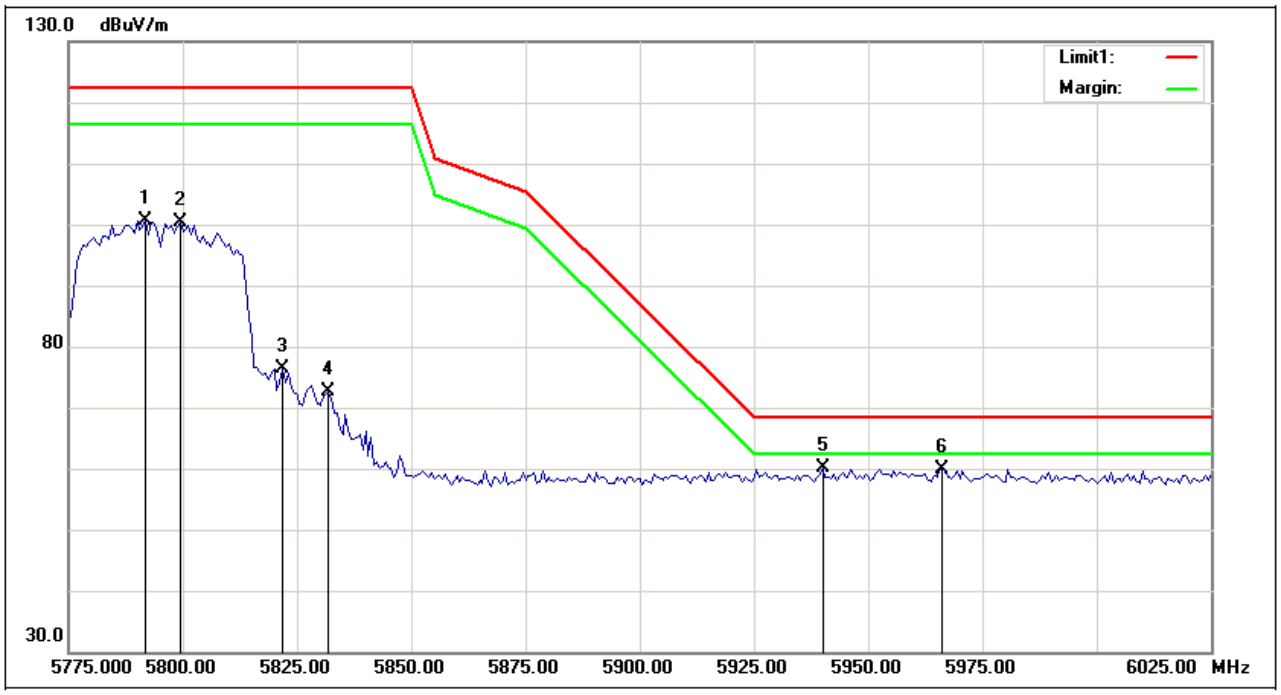
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5616.938	53.59	5.61	59.20	68.30	-9.10	peak
2	5647.875	53.73	5.67	59.40	68.30	-8.90	peak
3	5720.438	69.83	5.78	75.61	111.90	-36.29	peak
4	5731.125	73.26	5.80	79.06	122.30	-43.24	peak
5	5740.688	95.11	5.81	100.92	122.30	-21.38	peak
6	5753.063	95.43	5.84	101.27	122.30	-21.03	peak

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

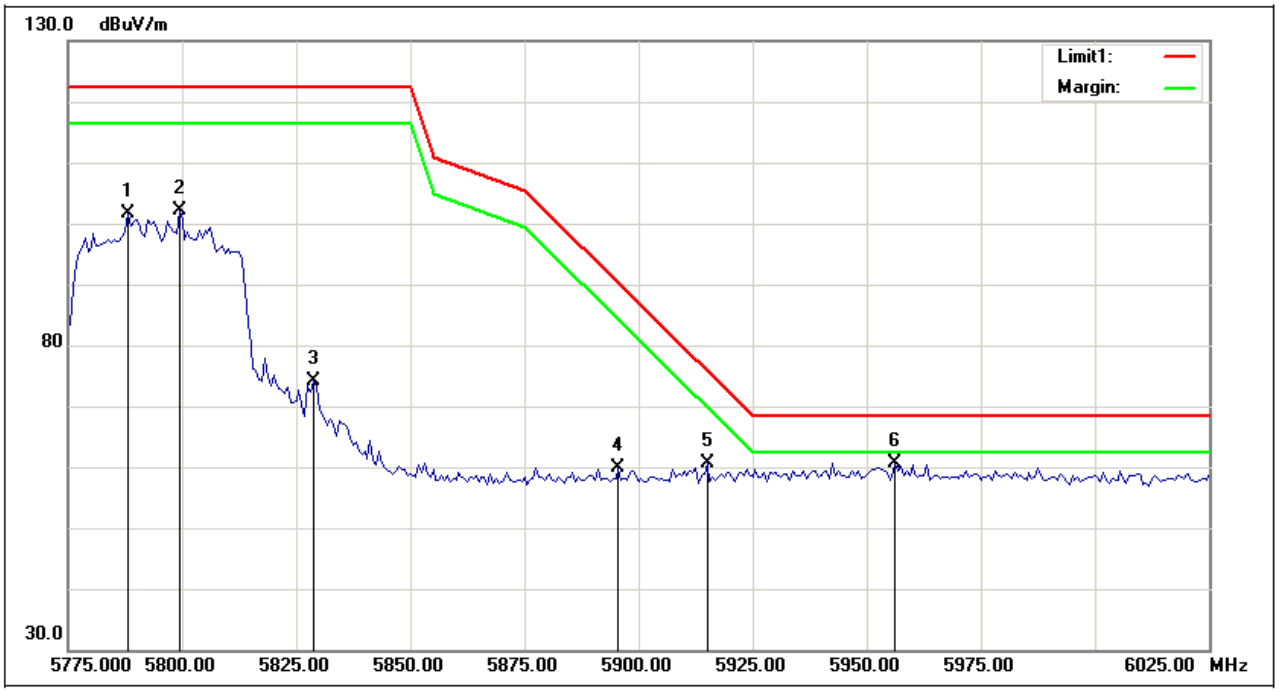
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5791.875	94.72	5.89	100.61	122.30	-21.69	peak
2	5799.375	94.38	5.91	100.29	122.30	-22.01	peak
3	5821.875	70.53	5.94	76.47	122.30	-45.83	peak
4	5831.875	66.73	5.95	72.68	122.30	-49.62	peak
5	5940.000	53.87	6.14	60.01	68.30	-8.29	peak
6	5966.250	53.71	6.18	59.89	68.30	-8.41	peak

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

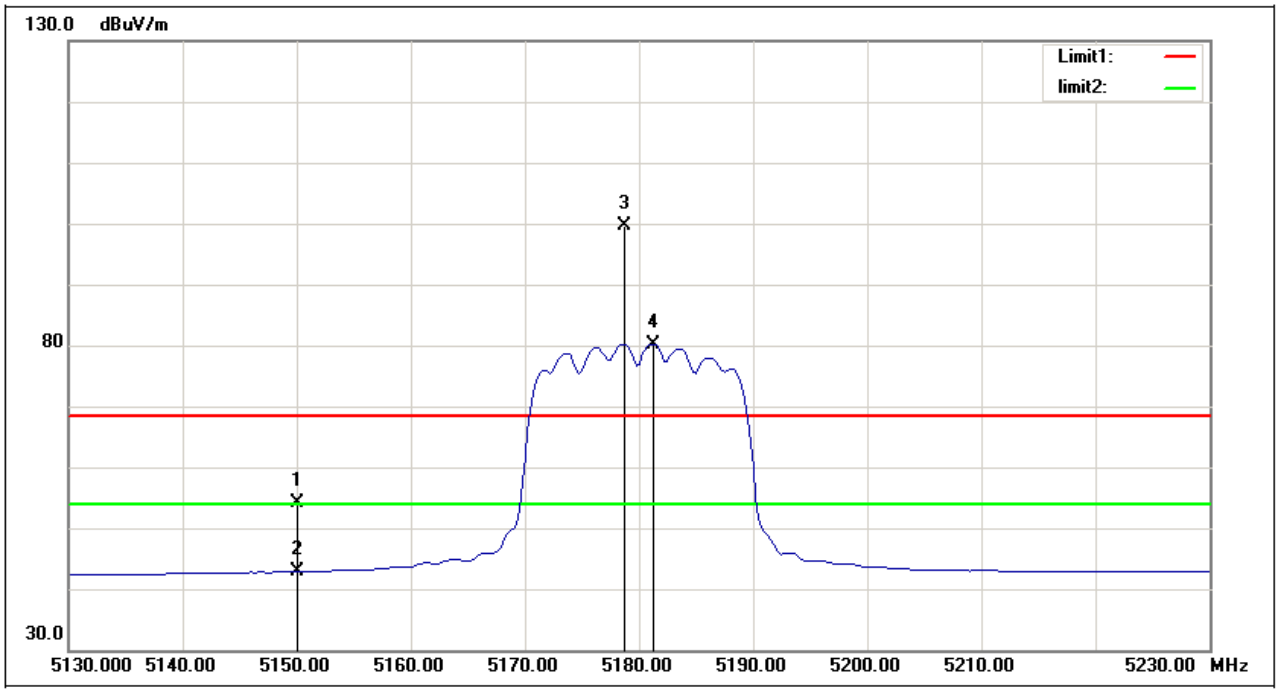
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5788.125	95.75	5.89	101.64	122.30	-20.66	peak
2	5799.375	96.28	5.91	102.19	122.30	-20.11	peak
3	5828.750	68.26	5.96	74.22	122.30	-48.08	peak
4	5895.625	53.77	6.06	59.83	90.04	-30.21	peak
5	5915.000	54.61	6.10	60.71	75.70	-14.99	peak
6	5956.250	54.39	6.15	60.54	68.30	-7.76	peak

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

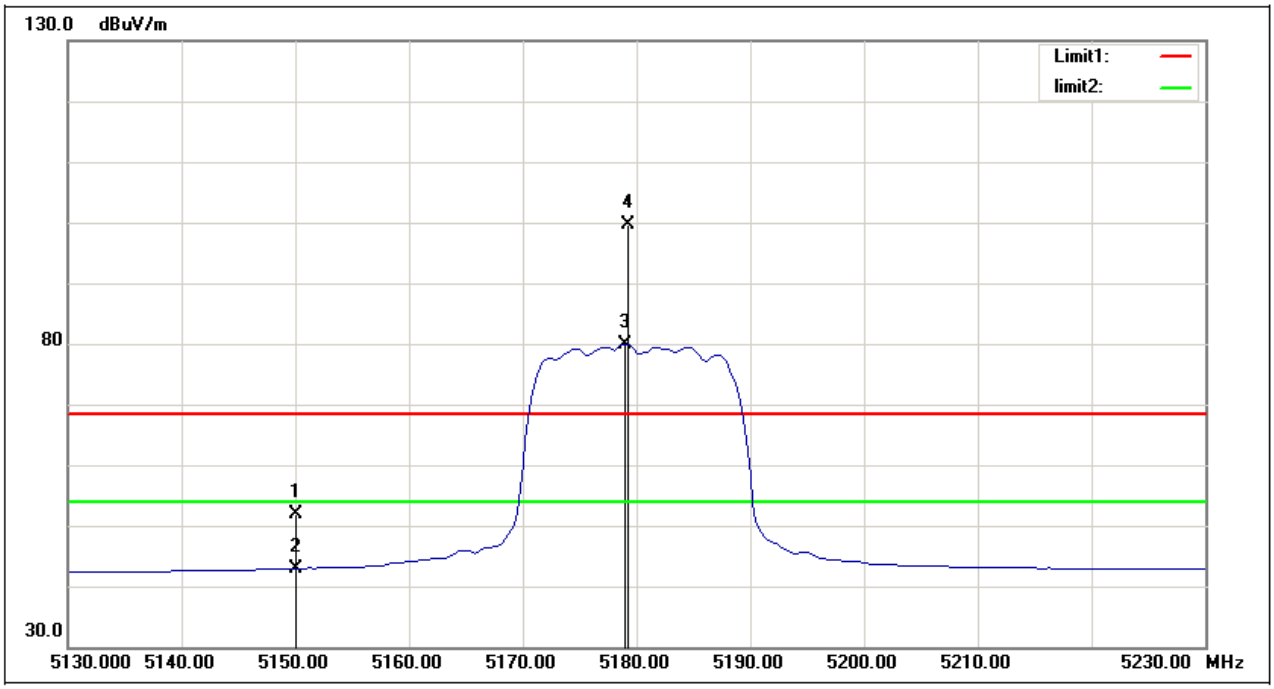
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	50.29	3.74	54.03	68.30	-14.27	peak
2	5150.000	39.15	3.74	42.89	54.00	-11.11	AVG
3	5178.750	95.78	3.88	99.66	/	/	peak
4	5181.250	76.31	3.88	80.19	/	/	AVG

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

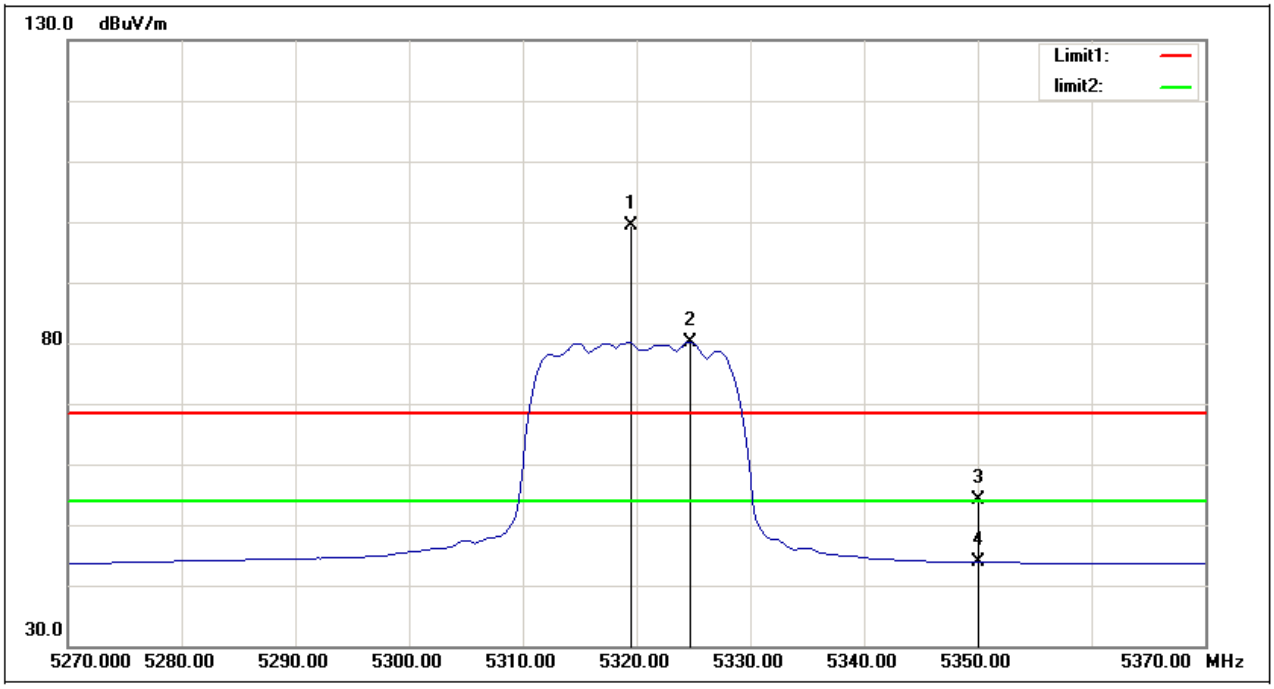
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	48.12	3.74	51.86	68.30	-16.44	peak
2	5150.000	39.22	3.74	42.96	54.00	-11.04	AVG
3	5179.000	75.98	3.88	79.86	/	/	AVG
4	5179.250	95.65	3.88	99.53	/	/	peak

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

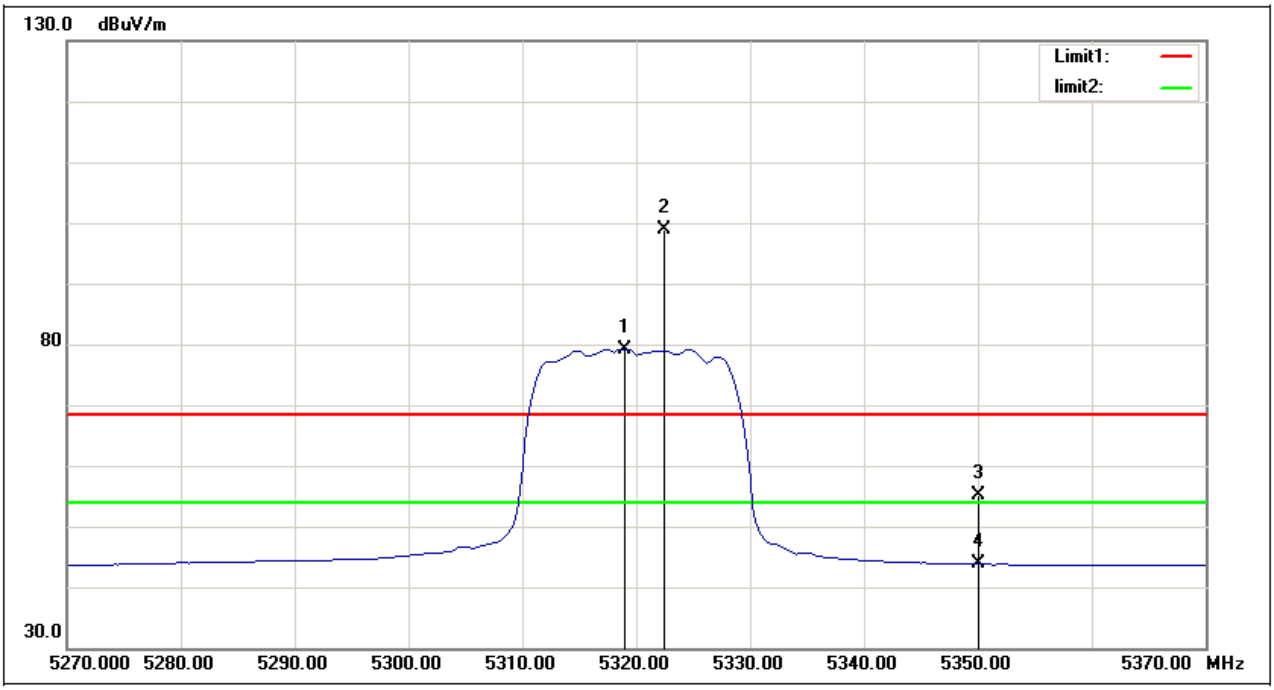
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5319.500	94.88	4.56	99.44	/	/	peak
2	5324.750	75.46	4.58	80.04	/	/	AVG
3	5350.000	49.40	4.70	54.10	68.30	-14.20	peak
4	5350.000	39.14	4.70	43.84	54.00	-10.16	AVG

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

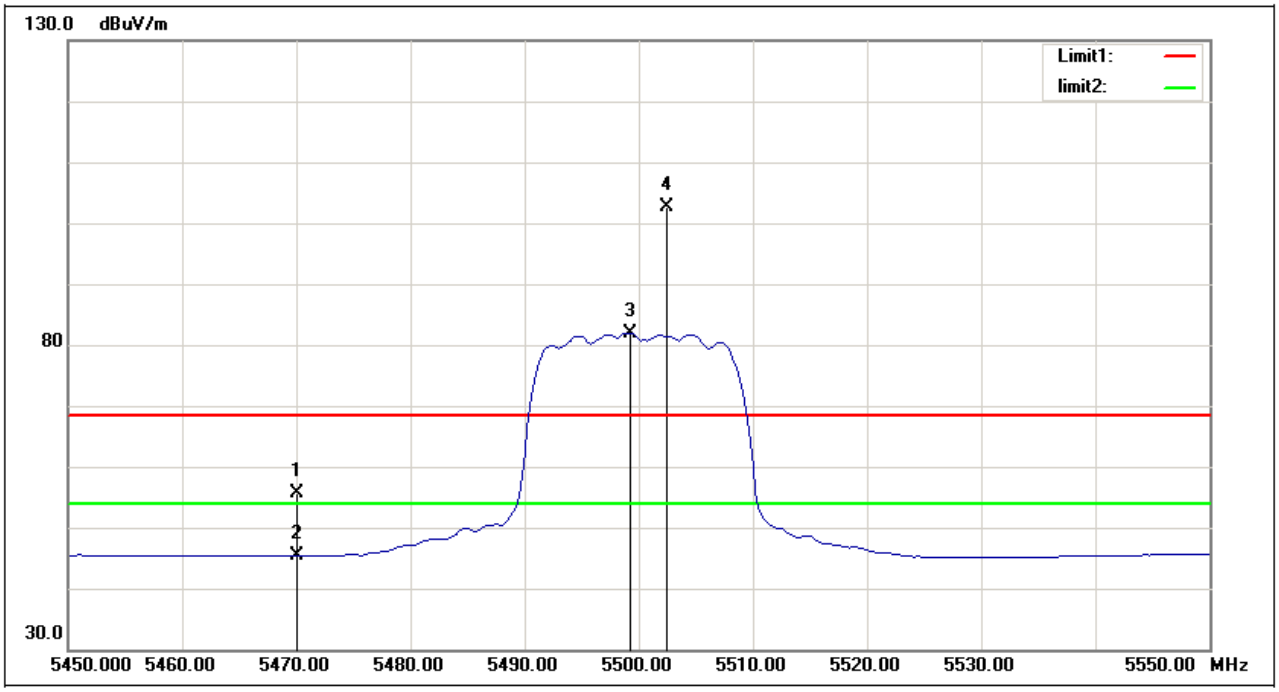
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5319.000	74.68	4.56	79.24	/	/	AVG
2	5322.500	94.31	4.57	98.88	/	/	peak
3	5350.000	50.47	4.70	55.17	68.30	-13.13	peak
4	5350.000	39.15	4.70	43.85	54.00	-10.15	AVG

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

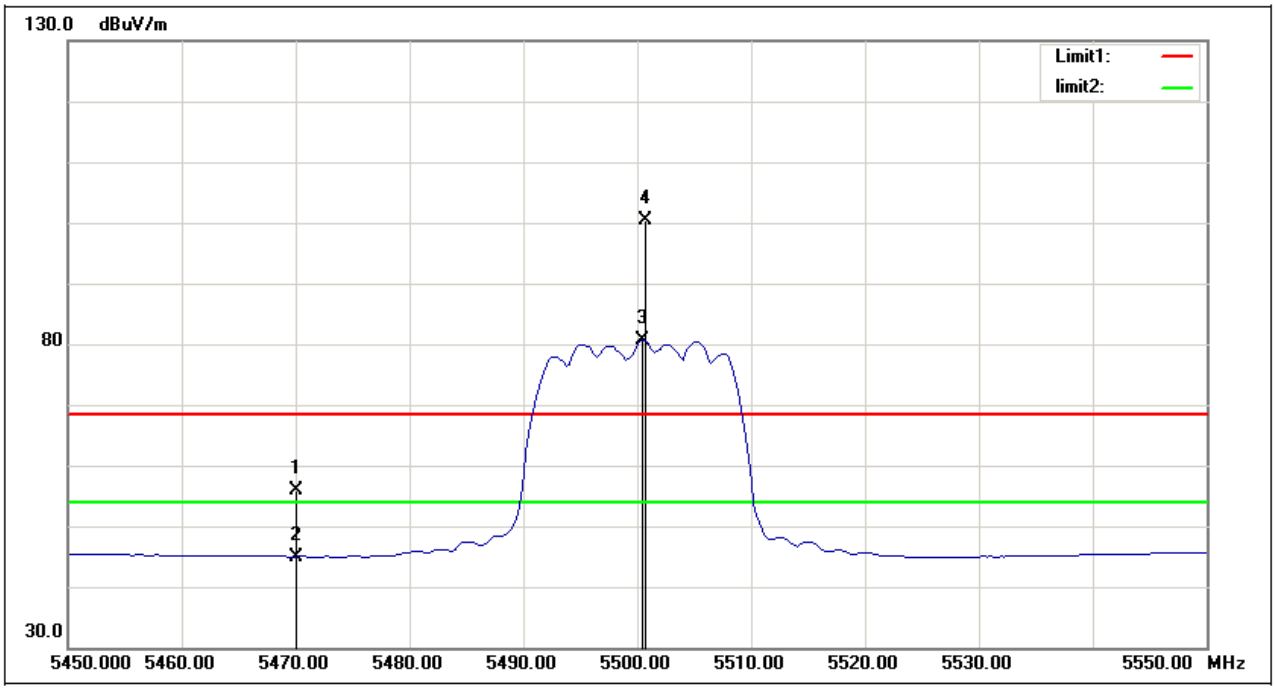
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5470.000	50.37	5.28	55.65	68.30	-12.65	peak
2	5470.000	40.05	5.28	45.33	54.00	-8.67	AVG
3	5499.250	76.51	5.42	81.93	/	/	AVG
4	5502.500	97.17	5.44	102.61	/	/	peak

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

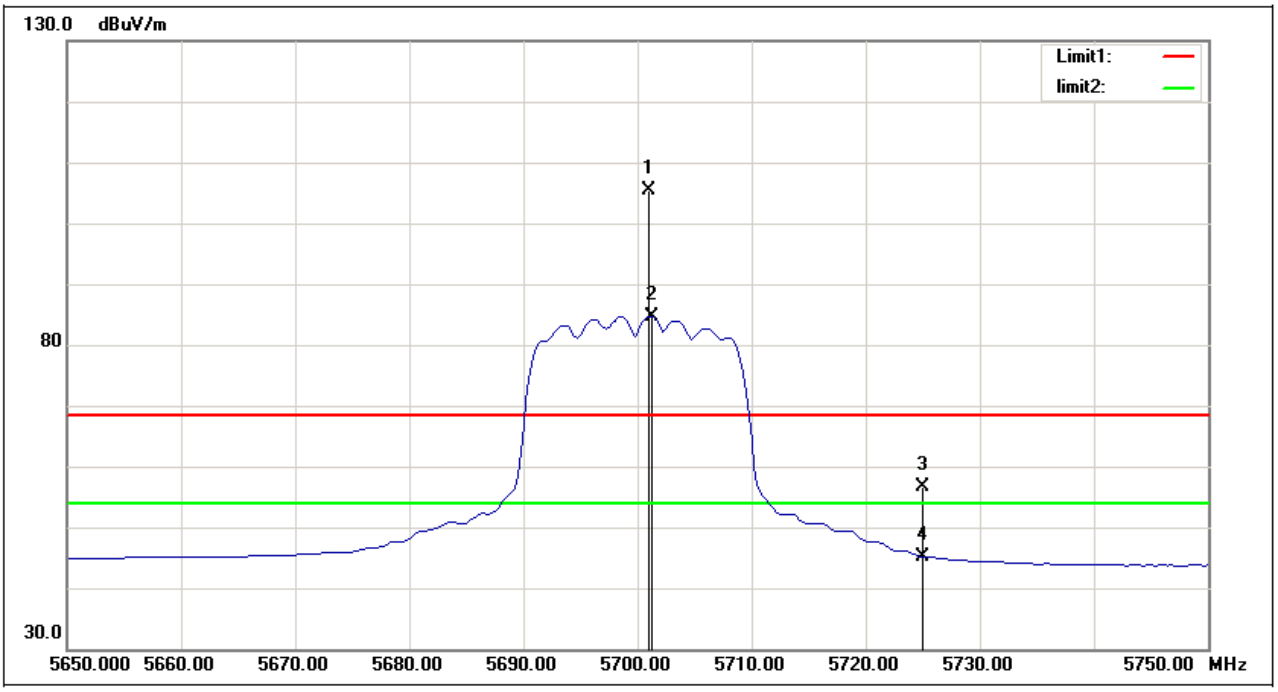
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5470.000	50.62	5.28	55.90	68.30	-12.40	peak
2	5470.000	39.72	5.28	45.00	54.00	-9.00	AVG
3	5500.500	75.13	5.43	80.56	/	/	AVG
4	5500.750	95.03	5.43	100.46	/	/	peak

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

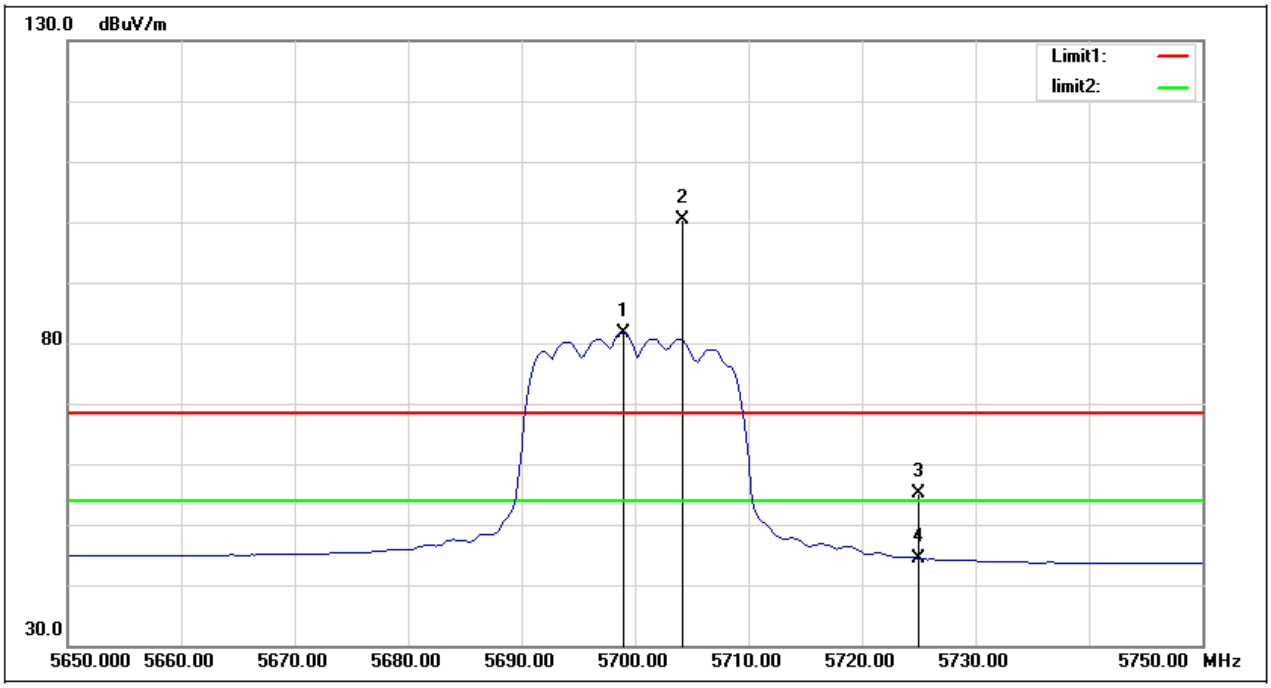
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5701.000	99.67	5.75	105.42	/	/	peak
2	5701.250	78.86	5.75	84.61	/	/	AVG
3	5725.000	50.77	5.79	56.56	68.30	-11.74	peak
4	5725.000	39.34	5.79	45.13	54.00	-8.87	AVG

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

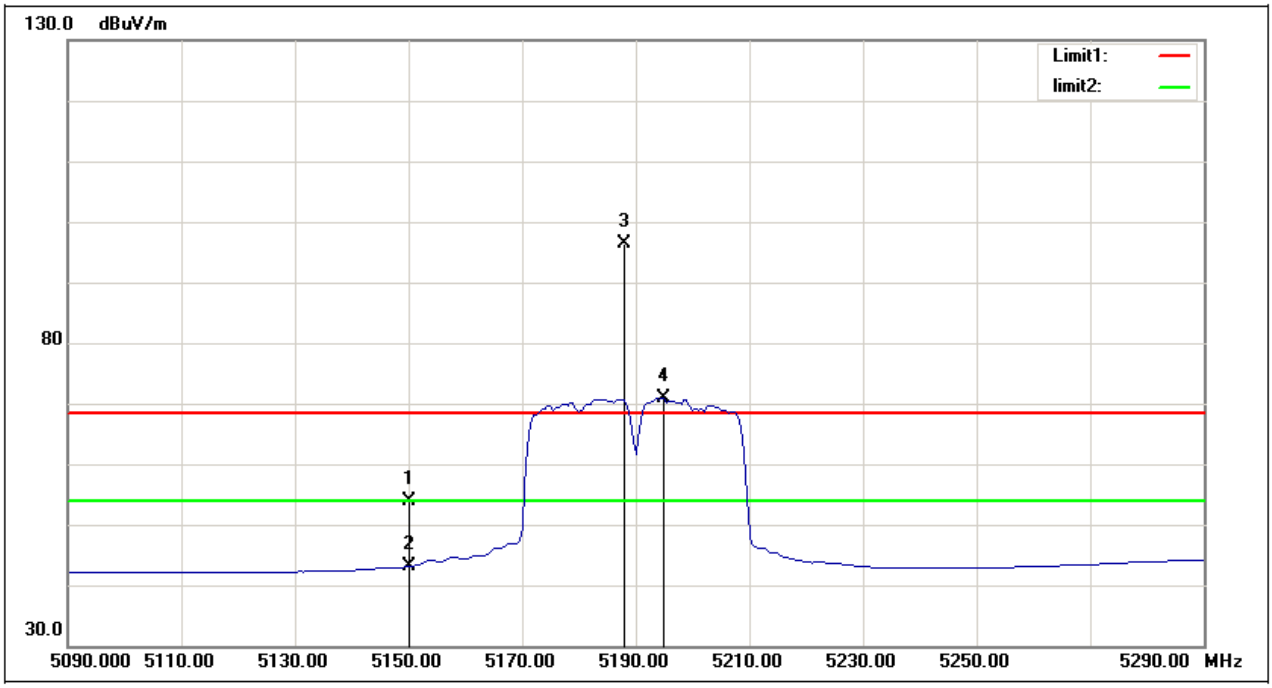
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5699.000	75.98	5.75	81.73	/	/	AVG
2	5704.250	94.71	5.76	100.47	/	/	peak
3	5725.000	49.40	5.79	55.19	68.30	-13.11	peak
4	5725.000	38.62	5.79	44.41	54.00	-9.59	AVG

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

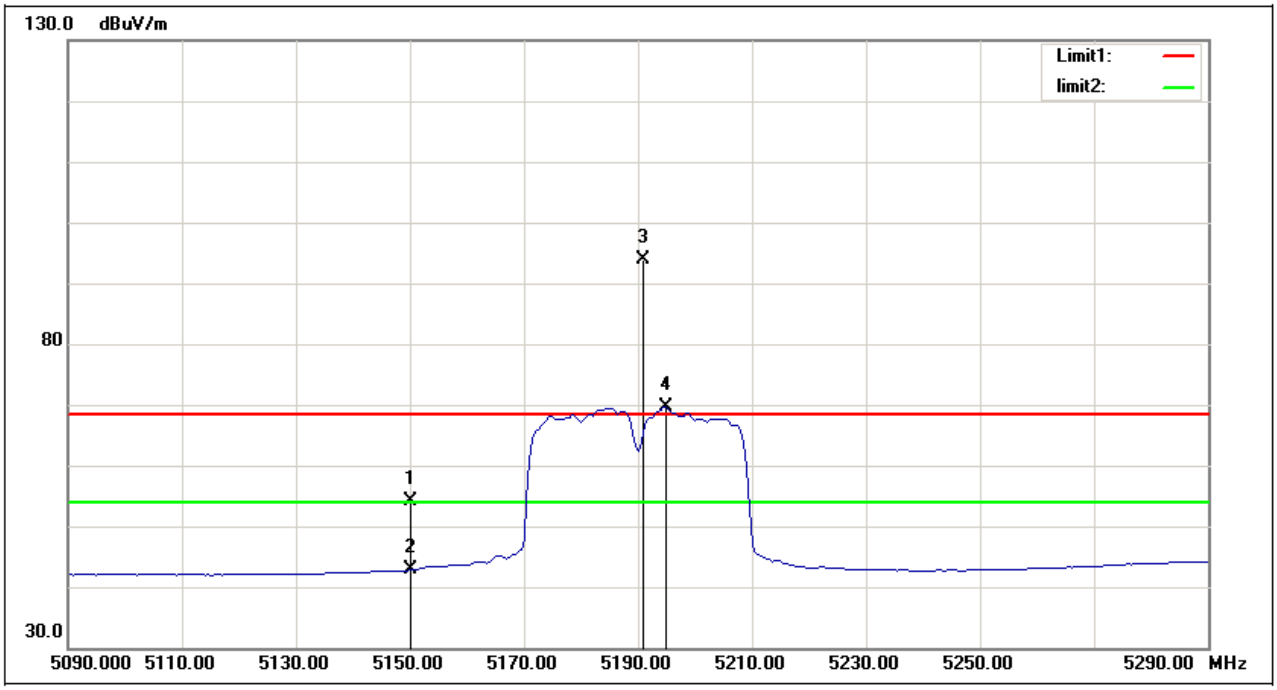
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	50.09	3.74	53.83	68.30	-14.47	peak
2	5150.000	39.32	3.74	43.06	54.00	-10.94	AVG
3	5188.000	92.43	3.93	96.36	/	/	peak
4	5195.000	66.90	3.96	70.86	/	/	AVG

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

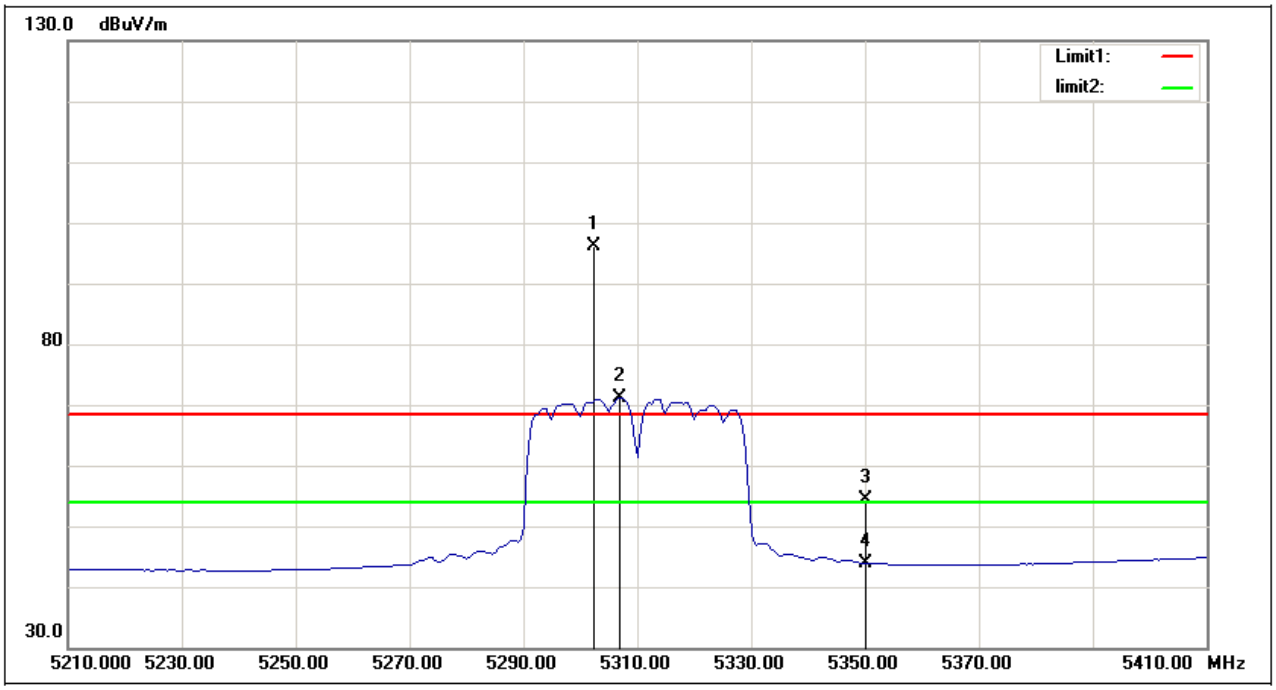
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	50.44	3.74	54.18	68.30	-14.12	peak
2	5150.000	39.07	3.74	42.81	54.00	-11.19	AVG
3	5191.000	89.84	3.94	93.78	/	/	peak
4	5195.000	65.67	3.96	69.63	/	/	AVG

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

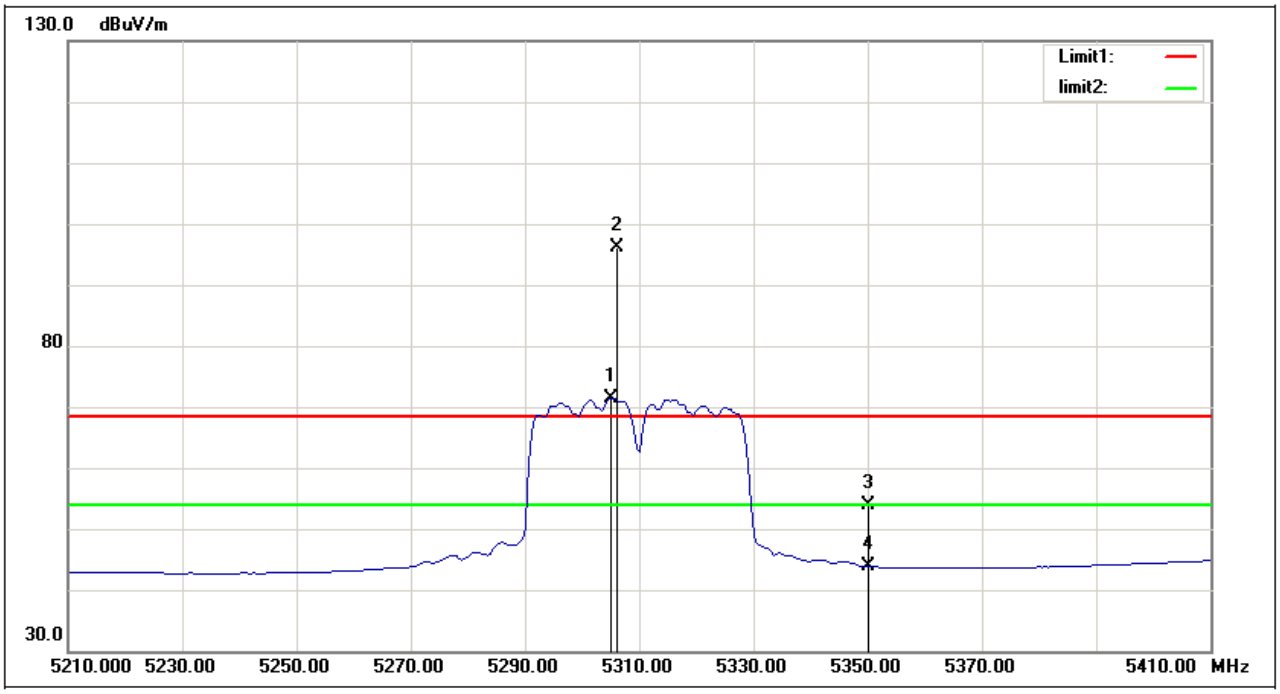
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5302.500	91.68	4.47	96.15	/	/	peak
2	5307.000	66.52	4.50	71.02	/	/	AVG
3	5350.000	49.58	4.70	54.28	68.30	-14.02	peak
4	5350.000	39.12	4.70	43.82	54.00	-10.18	AVG

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

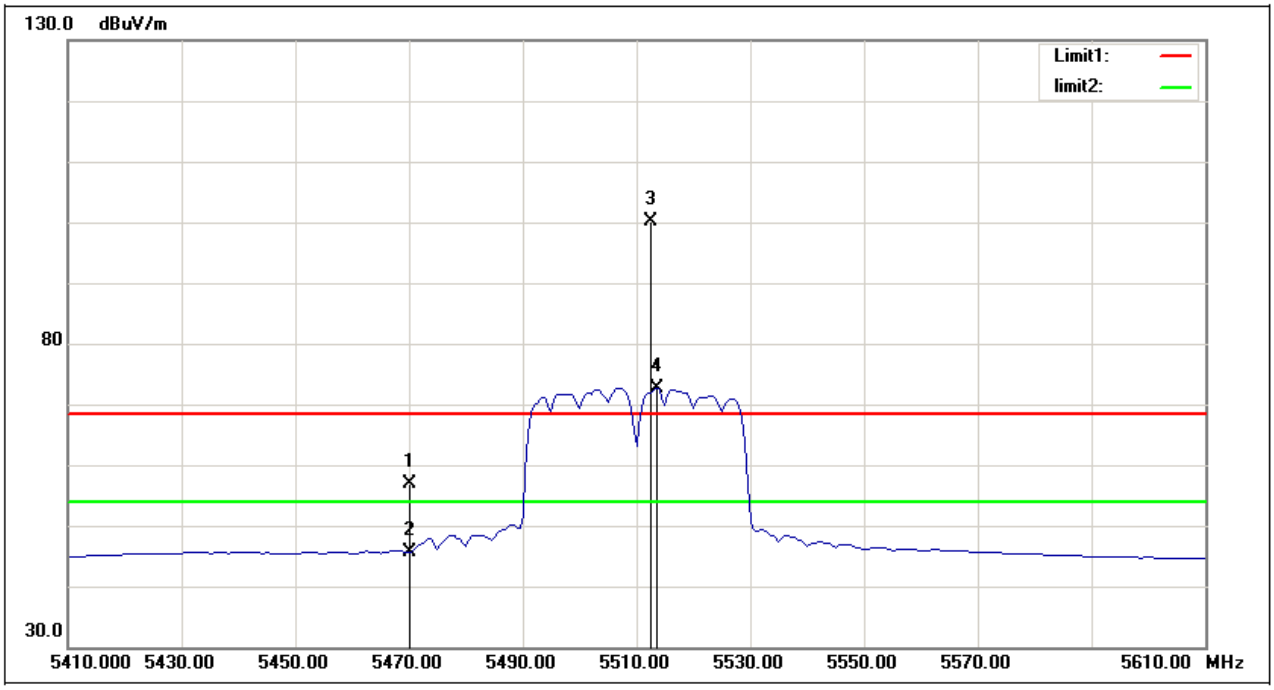
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5305.000	66.95	4.48	71.43	/	/	AVG
2	5306.000	91.76	4.49	96.25	/	/	peak
3	5350.000	49.11	4.70	53.81	68.30	-14.49	peak
4	5350.000	39.16	4.70	43.86	54.00	-10.14	AVG

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

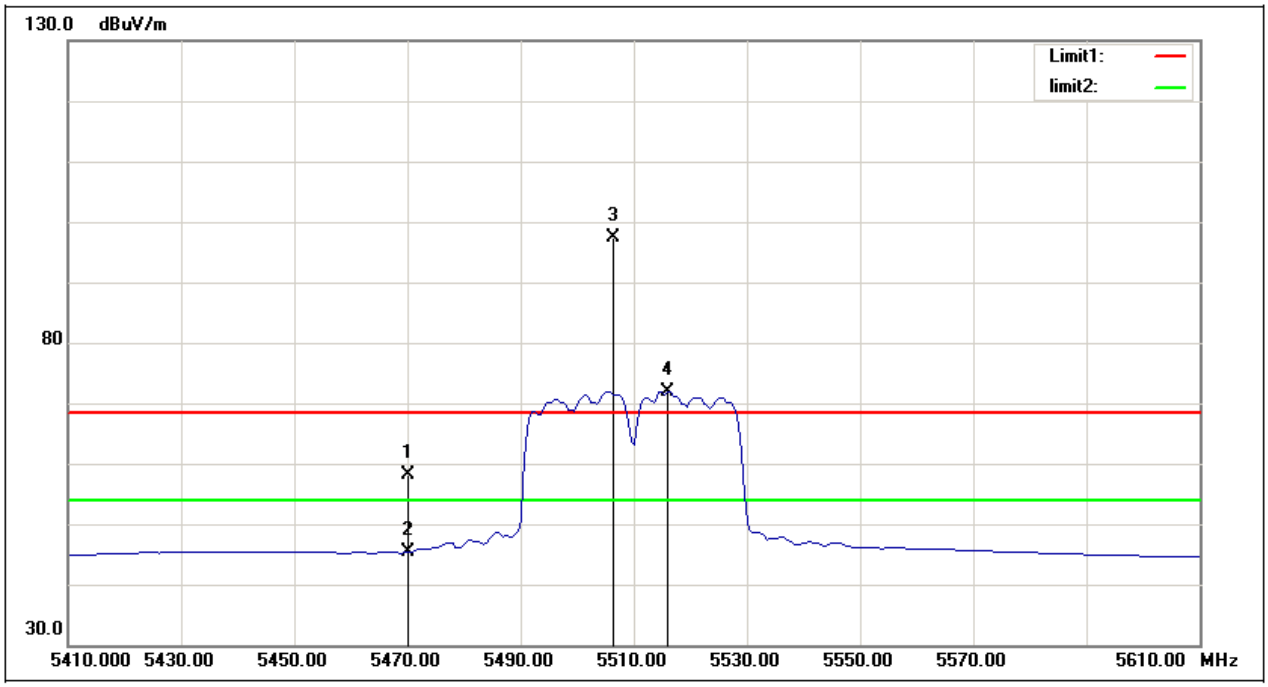
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5470.000	51.72	5.28	57.00	68.30	-11.30	peak
2	5470.000	40.26	5.28	45.54	54.00	-8.46	AVG
3	5512.500	94.58	5.44	100.02	/	/	peak
4	5513.500	67.27	5.45	72.72	/	/	AVG

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

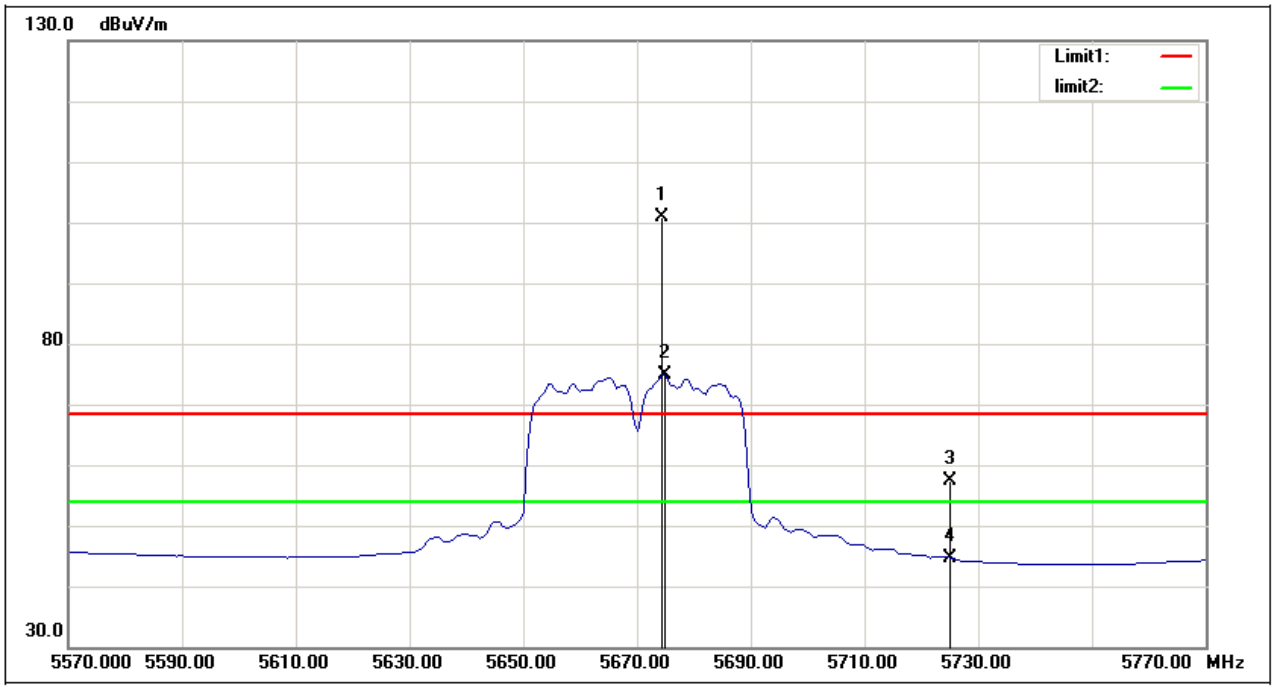
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5470.000	52.90	5.28	58.18	68.30	-10.12	peak
2	5470.000	40.04	5.28	45.32	54.00	-8.68	AVG
3	5506.500	91.93	5.43	97.36	/	/	peak
4	5516.000	66.41	5.45	71.86	/	/	AVG

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

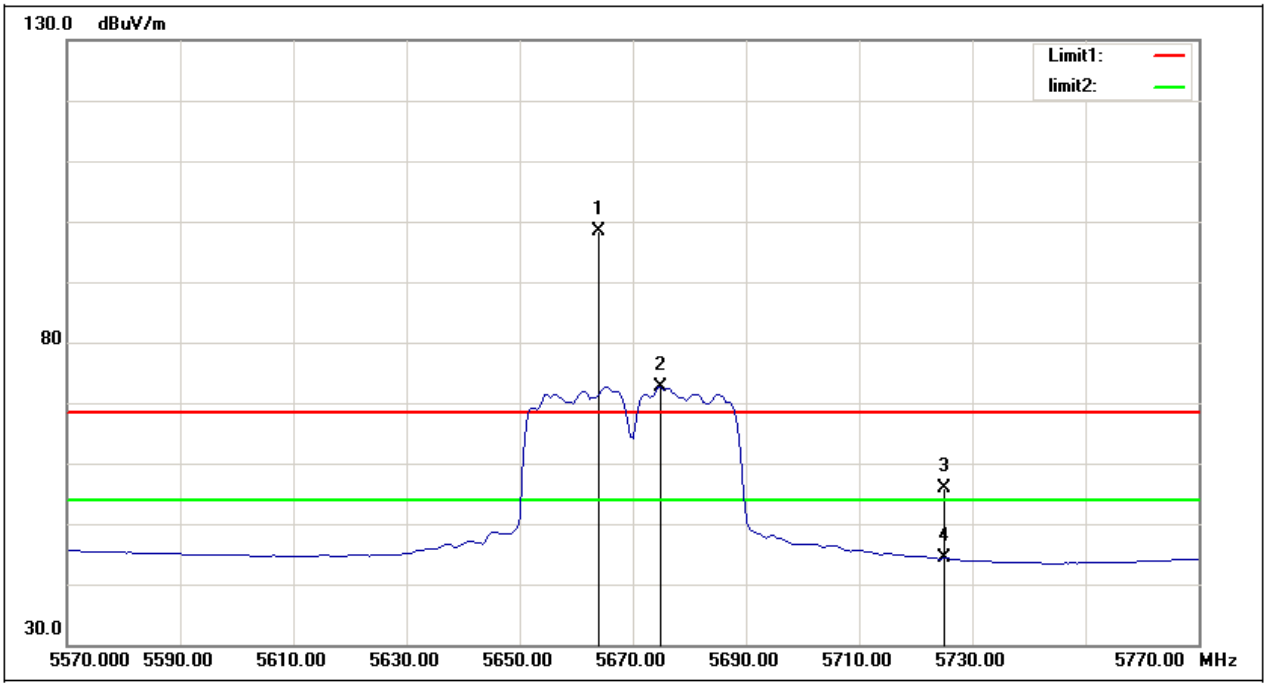
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5674.500	95.20	5.71	100.91	/	/	peak
2	5675.000	69.26	5.71	74.97	/	/	AVG
3	5725.000	51.58	5.79	57.37	68.30	-10.93	peak
4	5725.000	38.87	5.79	44.66	54.00	-9.34	AVG

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

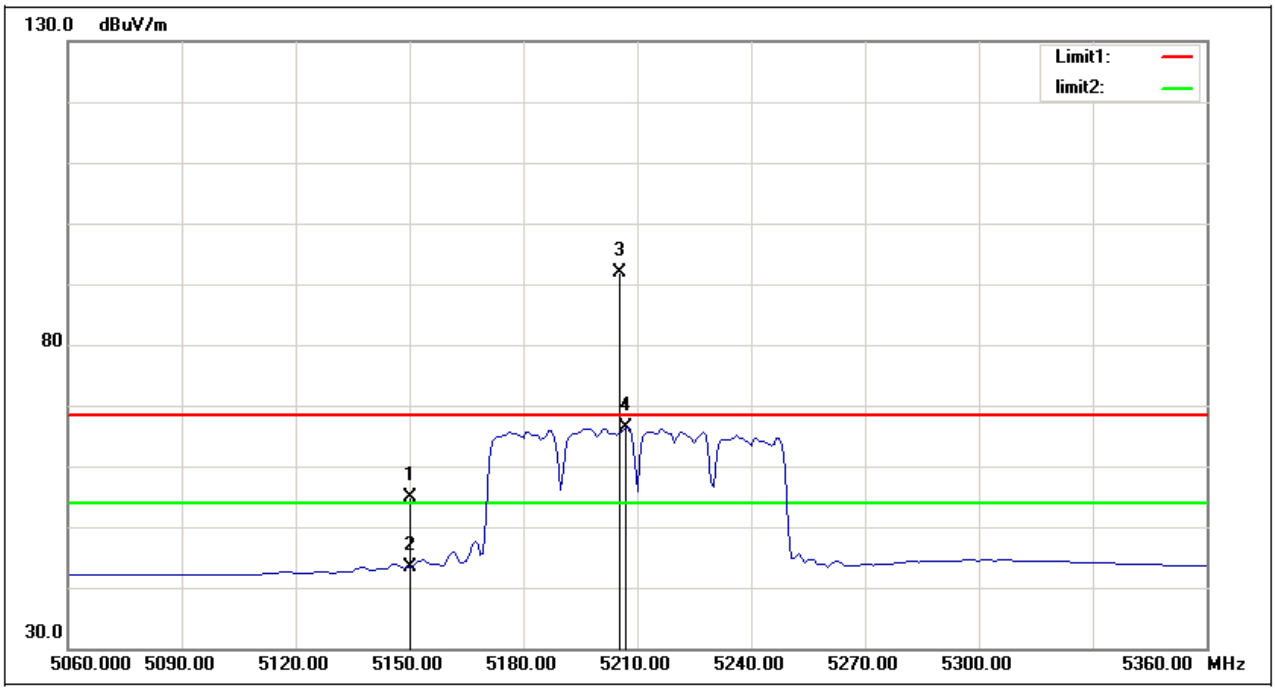
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5664.000	92.58	5.69	98.27	/	/	peak
2	5675.000	67.00	5.71	72.71	/	/	AVG
3	5725.000	50.21	5.79	56.00	68.30	-12.30	peak
4	5725.000	38.53	5.79	44.32	54.00	-9.68	AVG

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

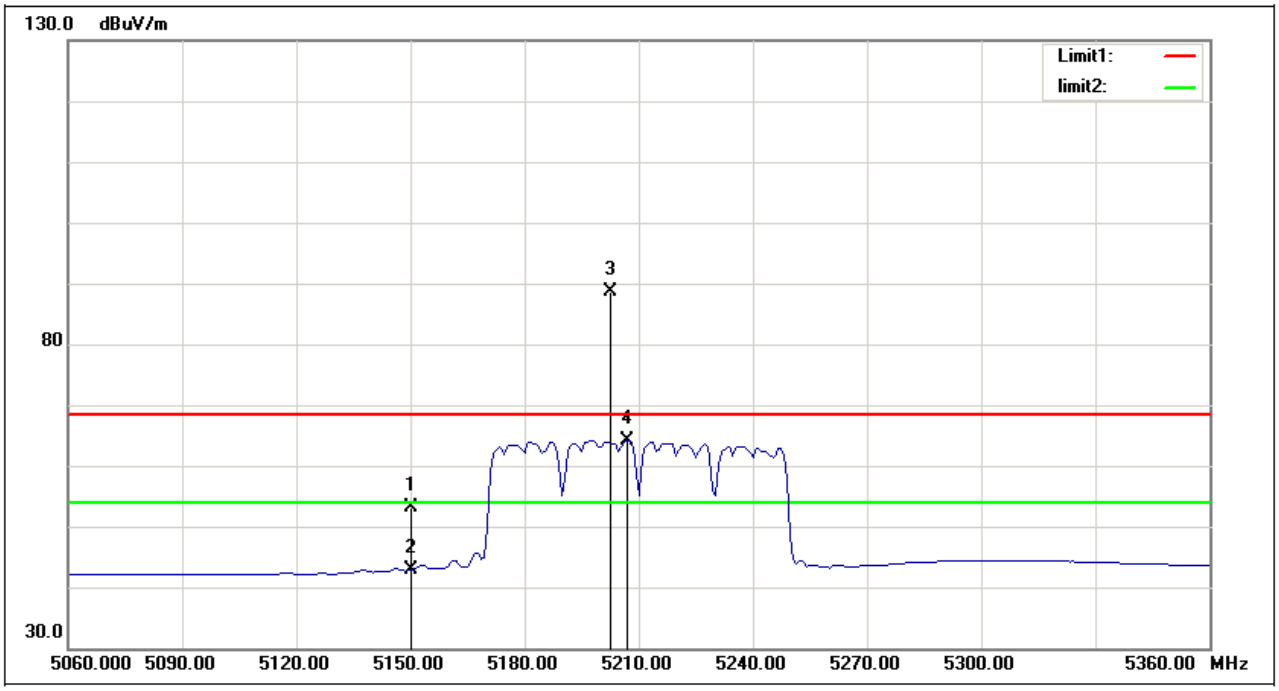
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	51.22	3.74	54.96	68.30	-13.34	peak
2	5150.000	39.63	3.74	43.37	54.00	-10.63	AVG
3	5205.500	87.89	4.00	91.89	/	/	peak
4	5207.000	62.34	4.01	66.35	/	/	AVG

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

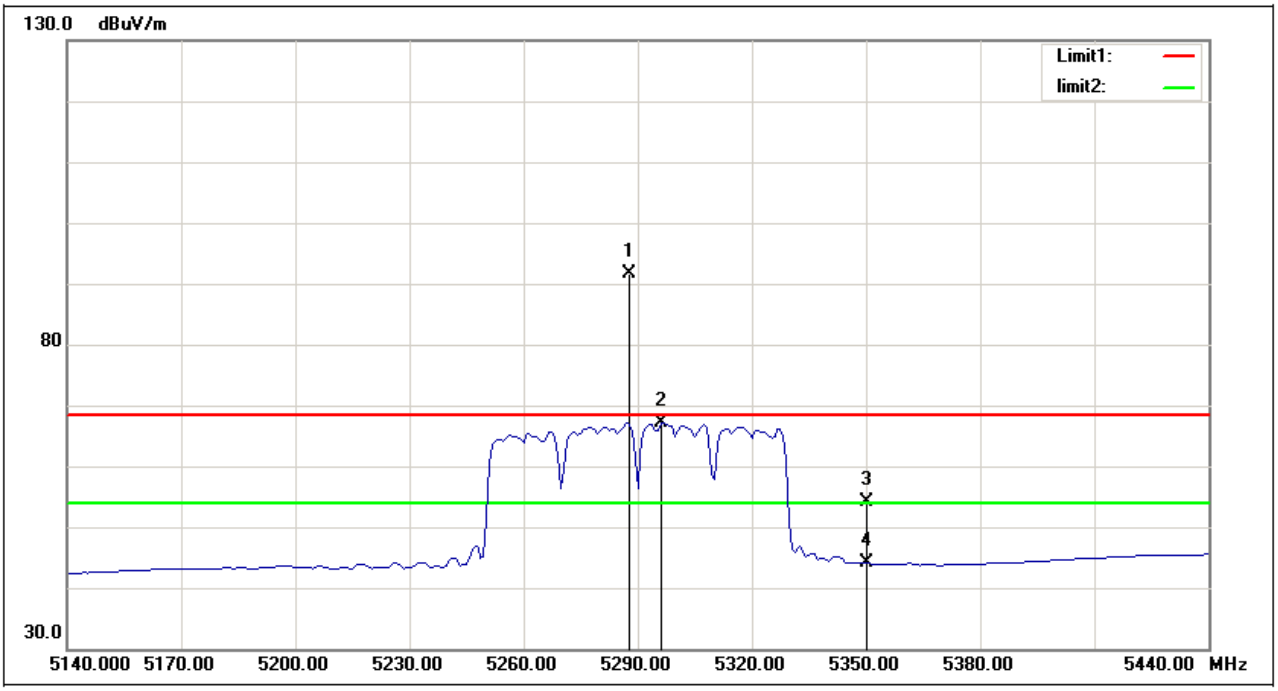
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5150.000	49.38	3.74	53.12	68.30	-15.18	peak
2	5150.000	39.06	3.74	42.80	54.00	-11.20	AVG
3	5202.500	84.70	4.00	88.70	/	/	peak
4	5207.000	60.22	4.01	64.23	/	/	AVG

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

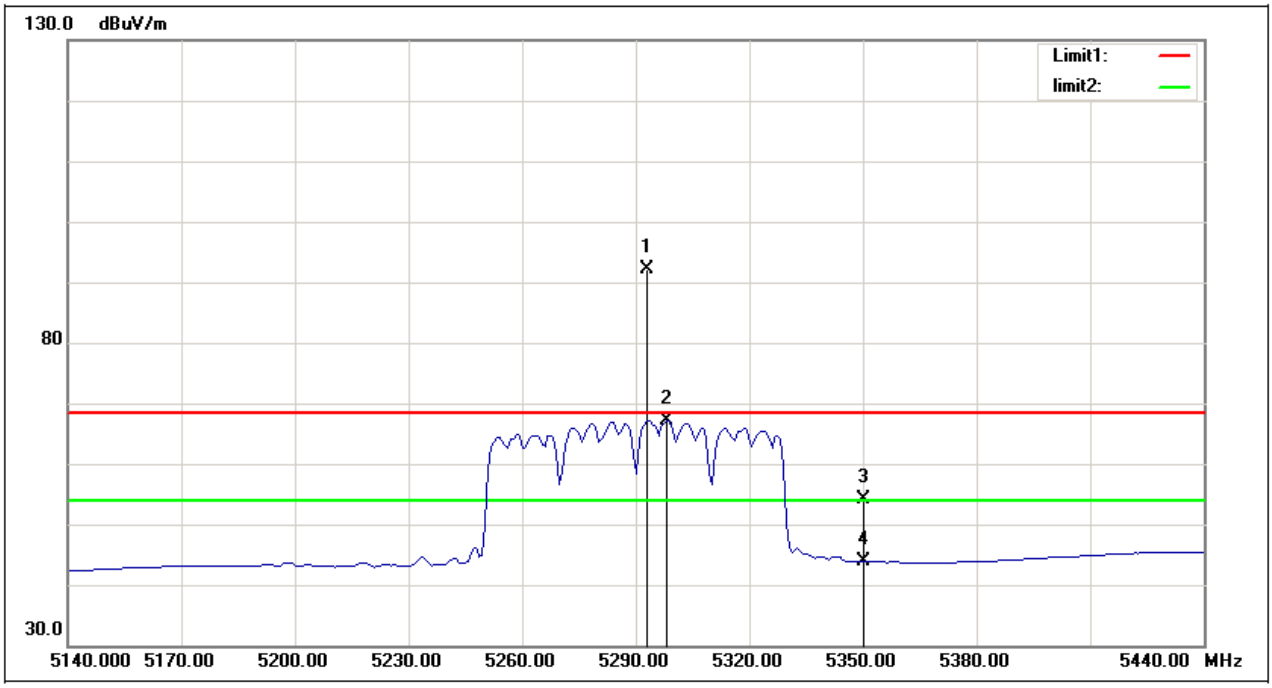
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5287.750	87.18	4.41	91.59	/	/	peak
2	5296.000	62.62	4.44	67.06	/	/	AVG
3	5350.000	49.32	4.70	54.02	68.30	-14.28	peak
4	5350.000	39.34	4.70	44.04	54.00	-9.96	AVG

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

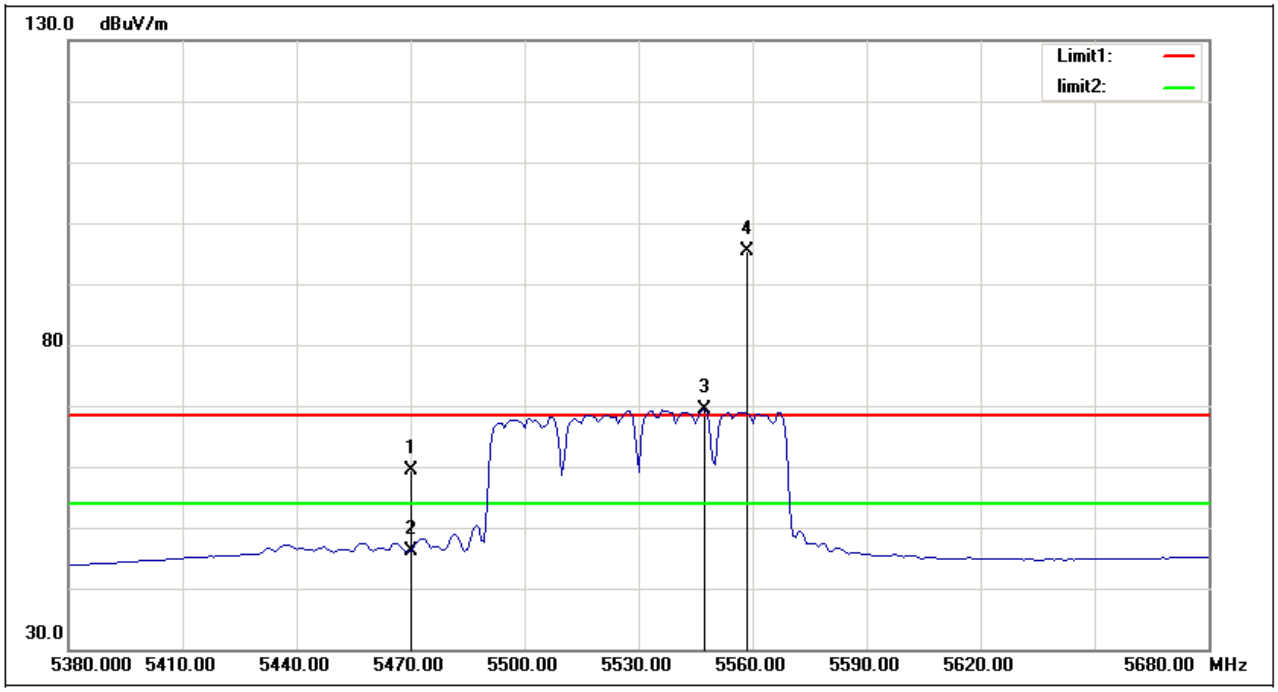
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5293.000	87.79	4.43	92.22	/	/	peak
2	5298.250	62.62	4.46	67.08	/	/	AVG
3	5350.000	49.53	4.70	54.23	68.30	-14.07	peak
4	5350.000	39.21	4.70	43.91	54.00	-10.09	AVG

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

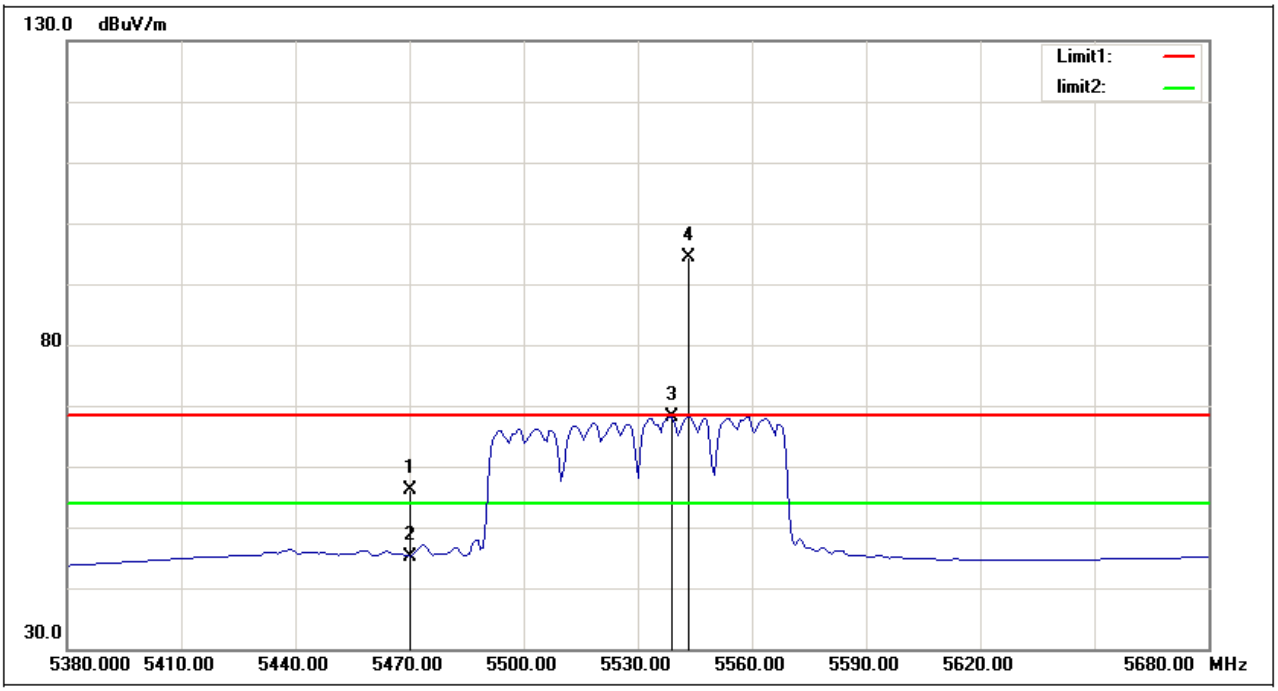
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5470.000	53.99	5.28	59.27	68.30	-9.03	peak
2	5470.000	40.78	5.28	46.06	54.00	-7.94	AVG
3	5547.250	63.91	5.49	69.40	/	/	AVG
4	5558.500	89.89	5.52	95.41	/	/	peak

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

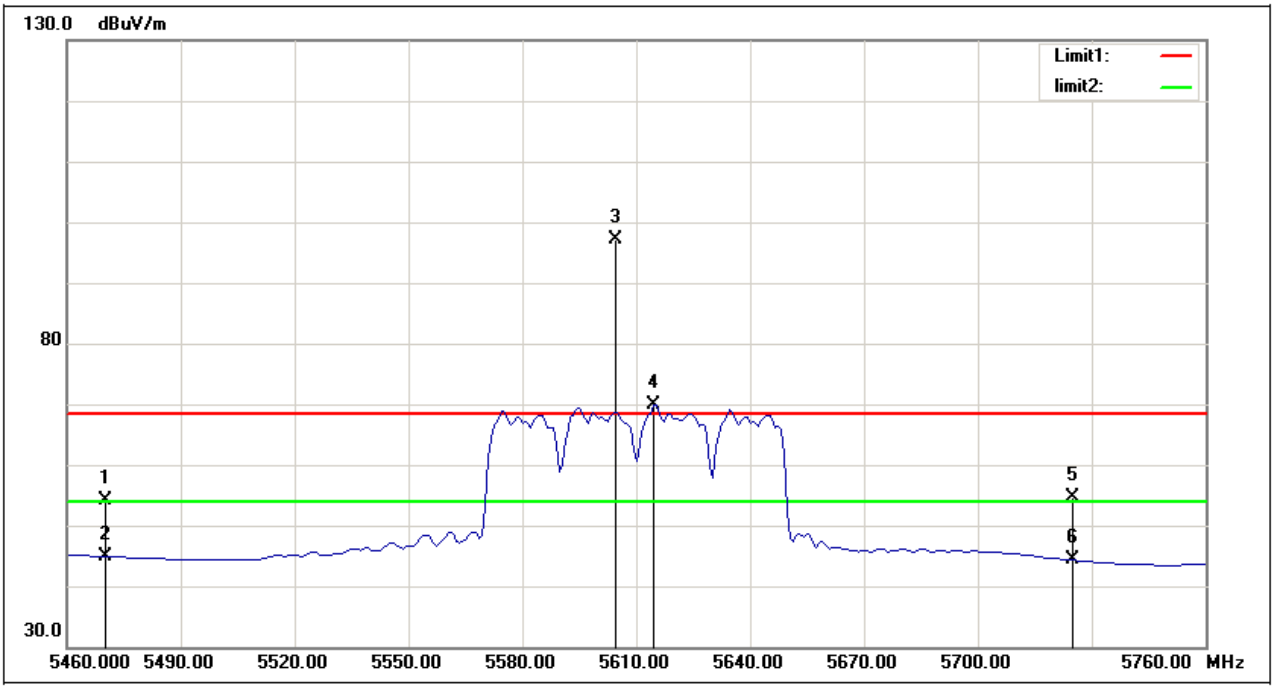
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5470.000	50.93	5.28	56.21	68.30	-12.09	peak
2	5470.000	39.95	5.28	45.23	54.00	-8.77	AVG
3	5539.000	62.67	5.49	68.16	/	/	AVG
4	5543.500	88.86	5.50	94.36	/	/	peak

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

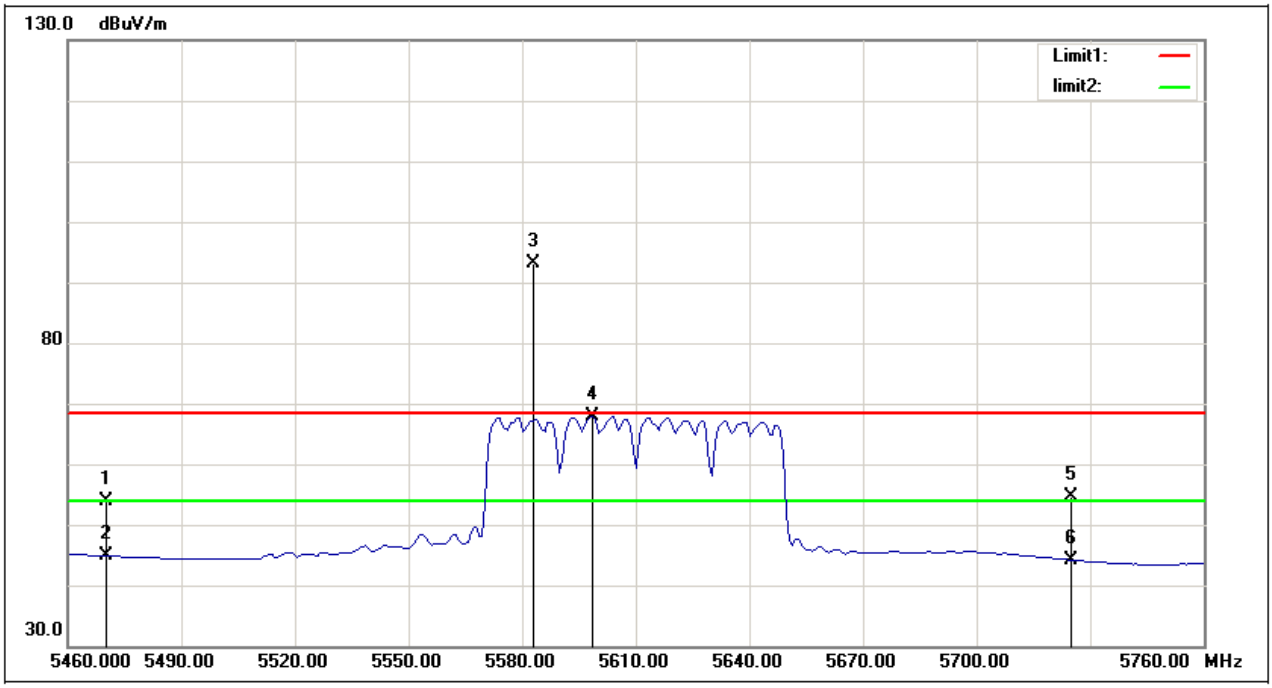
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5470.000	48.84	5.28	54.12	68.30	-14.18	peak
2	5470.000	39.57	5.28	44.85	54.00	-9.15	AVG
3	5604.750	91.53	5.60	97.13	/	/	peak
4	5614.500	64.21	5.61	69.82	/	/	AVG
5	5725.000	48.72	5.79	54.51	68.30	-13.79	peak
6	5725.000	38.53	5.79	44.32	54.00	-9.68	AVG

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

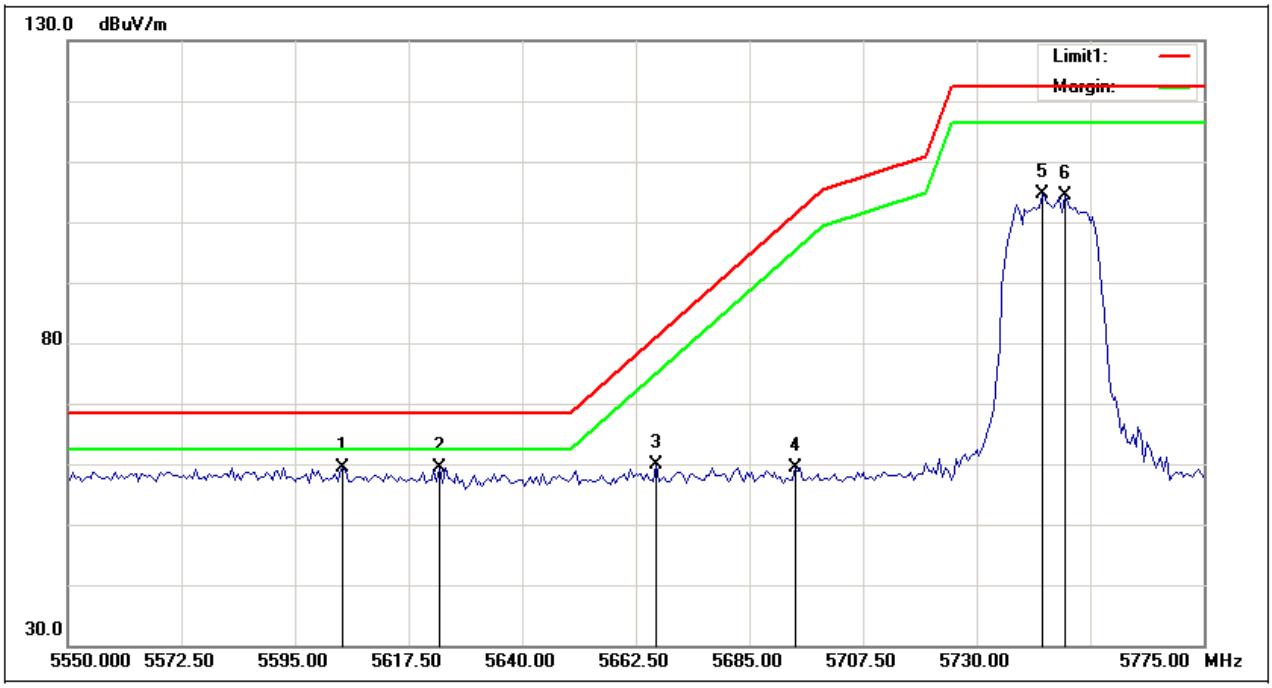
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5470.000	48.48	5.28	53.76	68.30	-14.54	peak
2	5470.000	39.56	5.28	44.84	54.00	-9.16	AVG
3	5583.000	87.53	5.56	93.09	/	/	peak
4	5598.750	62.41	5.59	68.00	/	/	AVG
5	5725.000	48.93	5.79	54.72	68.30	-13.58	peak
6	5725.000	38.41	5.79	44.20	54.00	-9.80	AVG

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

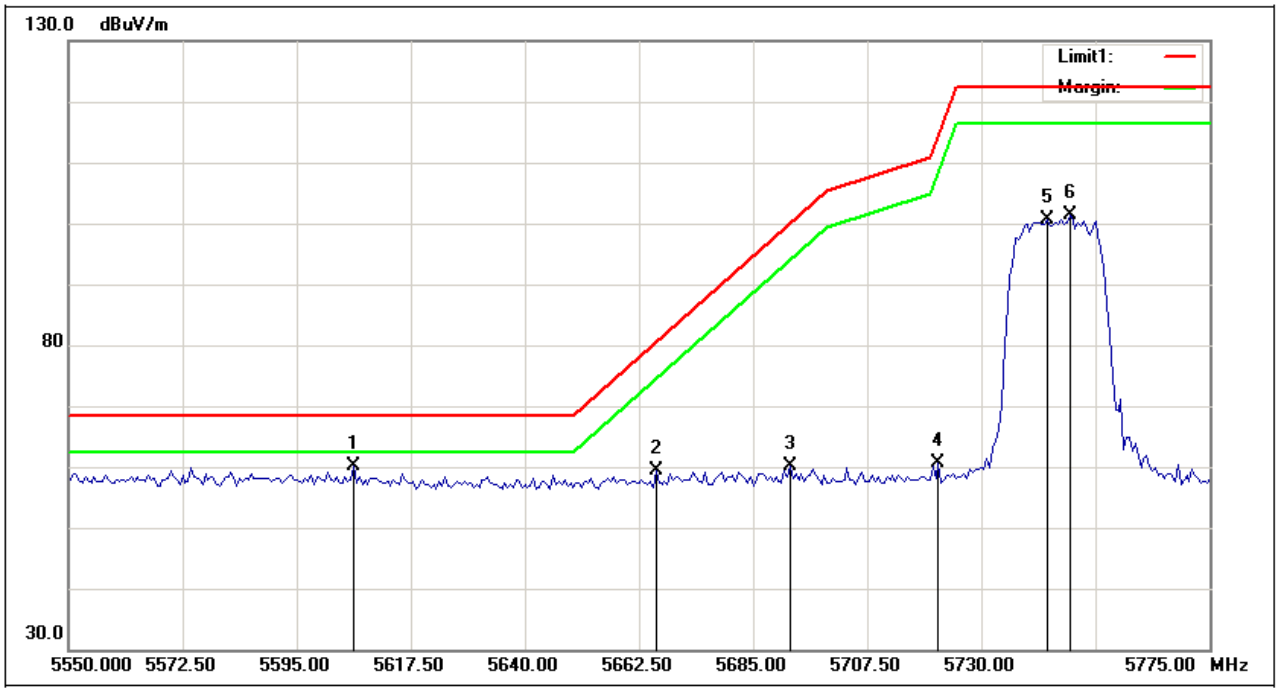
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5604.563	53.78	5.60	59.38	68.30	-8.92	peak
2	5623.688	53.72	5.63	59.35	68.30	-8.95	peak
3	5666.438	54.12	5.69	59.81	80.46	-20.65	peak
4	5694.000	53.61	5.73	59.34	100.86	-41.52	peak
5	5742.938	98.70	5.82	104.52	122.30	-17.78	peak
6	5747.438	98.47	5.82	104.29	122.30	-18.01	peak

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

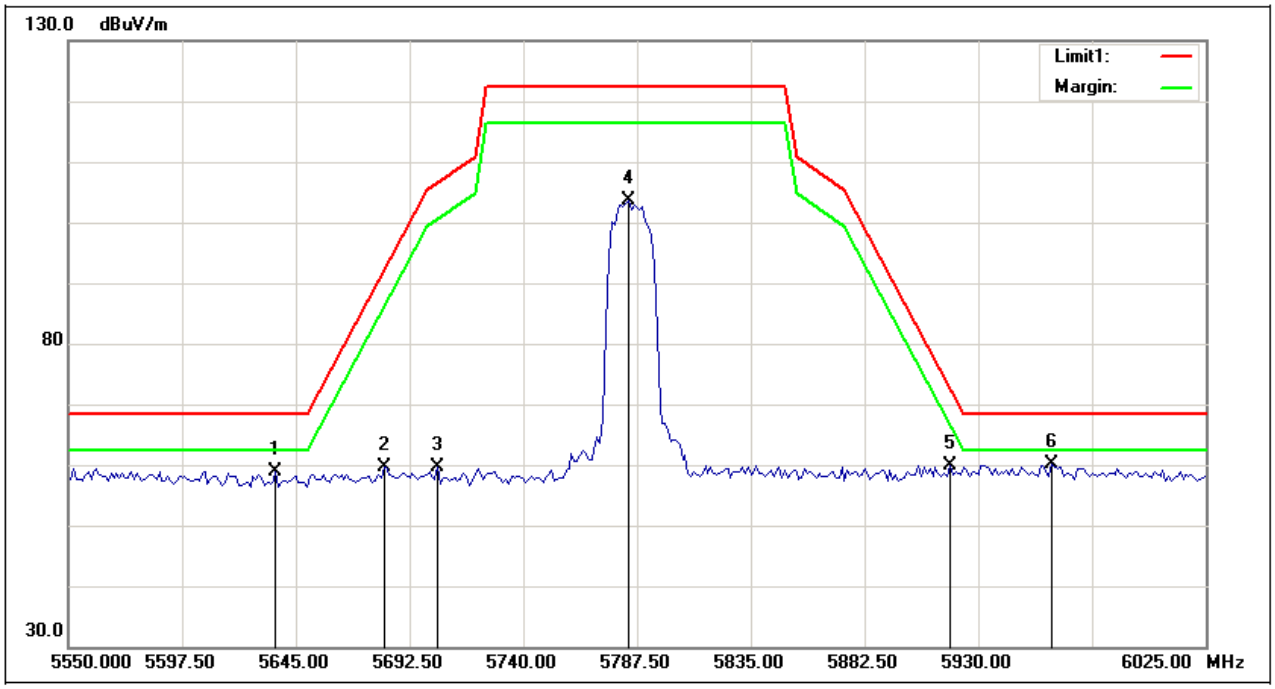
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5606.250	54.50	5.59	60.09	68.30	-8.21	peak
2	5665.875	53.59	5.69	59.28	80.05	-20.77	peak
3	5692.313	54.47	5.73	60.20	99.61	-39.41	peak
4	5721.563	54.79	5.78	60.57	114.46	-53.89	peak
5	5742.938	94.73	5.82	100.55	122.30	-21.75	peak
6	5747.438	95.67	5.82	101.49	122.30	-20.81	peak

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

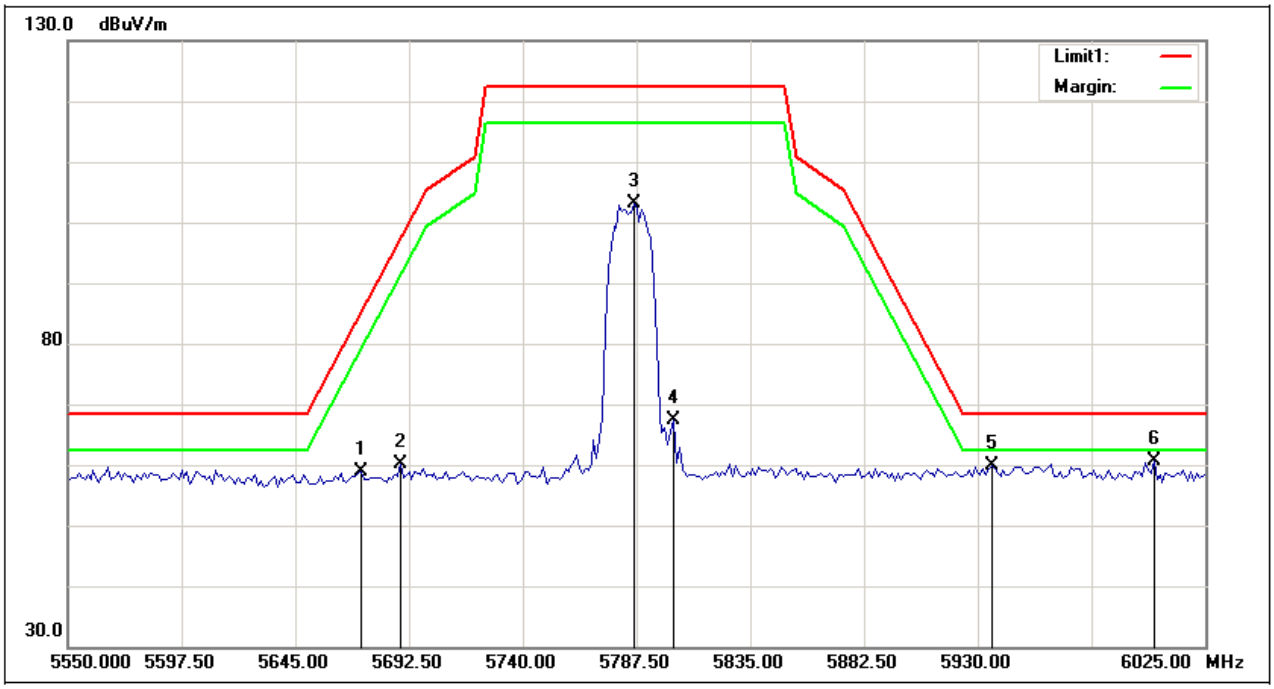
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5636.688	53.27	5.64	58.91	68.30	-9.39	peak
2	5681.813	53.86	5.71	59.57	91.84	-32.27	peak
3	5704.375	53.90	5.76	59.66	106.52	-46.86	peak
4	5783.938	97.71	5.88	103.59	122.30	-18.71	peak
5	5918.125	53.66	6.11	59.77	73.39	-13.62	peak
6	5960.875	54.07	6.16	60.23	68.30	-8.07	peak

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

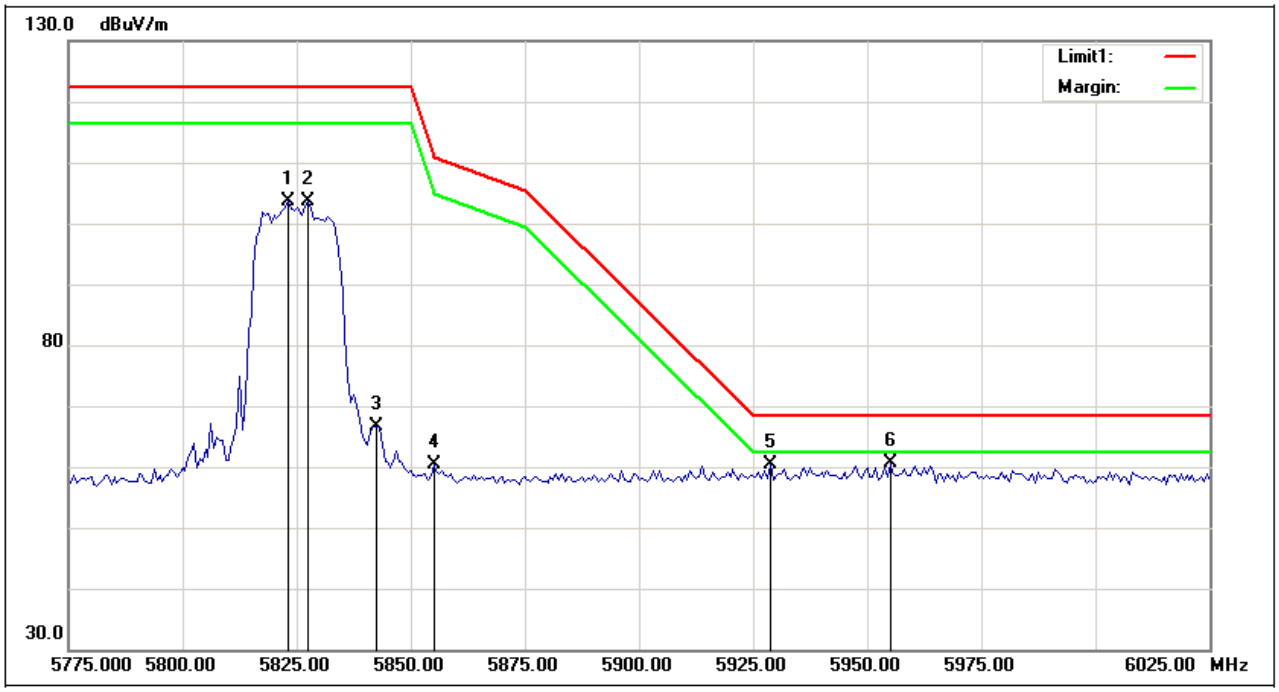
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5672.313	53.26	5.70	58.96	84.81	-25.85	peak
2	5688.938	54.31	5.73	60.04	97.11	-37.07	peak
3	5786.313	97.36	5.88	103.24	122.30	-19.06	peak
4	5802.938	61.45	5.92	67.37	122.30	-54.93	peak
5	5935.938	53.76	6.12	59.88	68.30	-8.42	peak
6	6003.625	64.43	-3.75	60.68	68.30	-7.62	peak

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

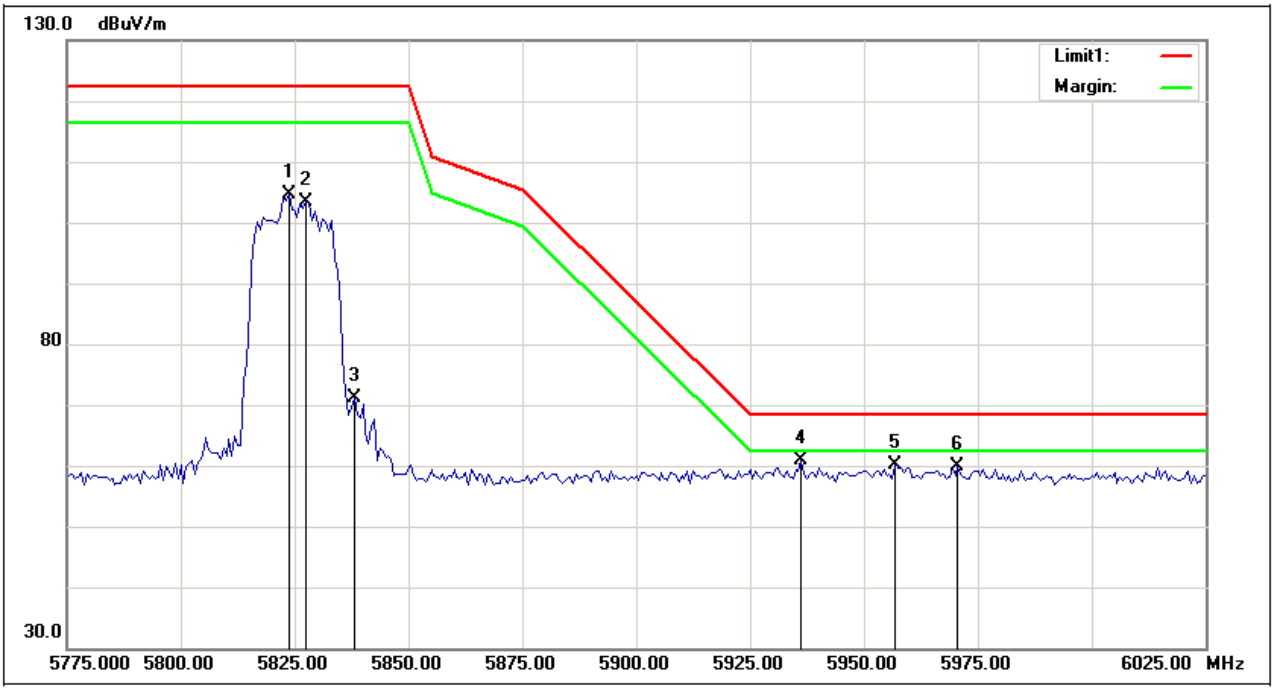
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5823.125	97.65	5.95	103.60	122.30	-18.70	peak
2	5827.500	97.70	5.96	103.66	122.30	-18.64	peak
3	5842.500	60.69	5.99	66.68	122.30	-55.62	peak
4	5855.000	54.36	6.00	60.36	110.90	-50.54	peak
5	5928.750	54.14	6.12	60.26	68.30	-8.04	peak
6	5955.000	54.45	6.16	60.61	68.30	-7.69	peak

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

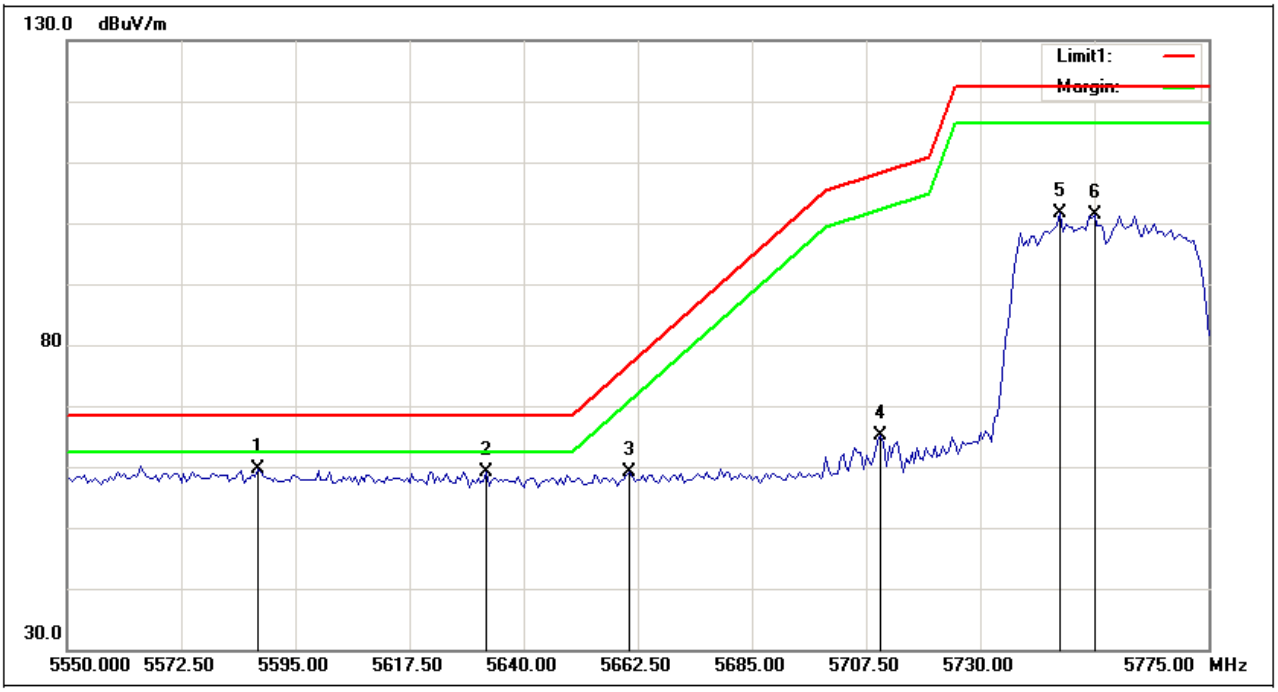
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5823.750	98.68	5.95	104.63	122.30	-17.67	peak
2	5827.500	97.41	5.96	103.37	122.30	-18.93	peak
3	5838.125	65.11	5.97	71.08	122.30	-51.22	peak
4	5936.250	54.72	6.12	60.84	68.30	-7.46	peak
5	5956.875	53.96	6.15	60.11	68.30	-8.19	peak
6	5970.625	53.62	6.18	59.80	68.30	-8.50	peak

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

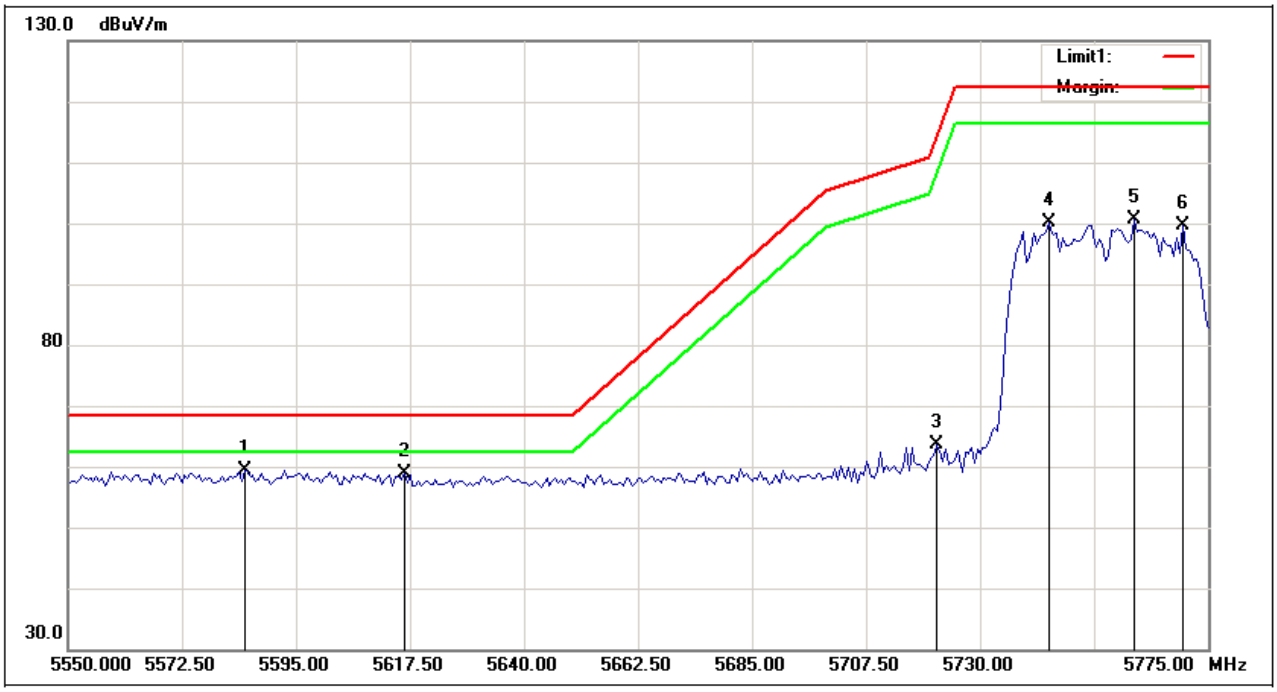
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5587.688	54.00	5.57	59.57	68.30	-8.73	peak
2	5632.688	53.56	5.64	59.20	68.30	-9.10	peak
3	5660.813	53.48	5.68	59.16	76.30	-17.14	peak
4	5710.313	59.47	5.76	65.23	108.19	-42.96	peak
5	5745.750	95.79	5.82	101.61	122.30	-20.69	peak
6	5752.500	95.63	5.84	101.47	122.30	-20.83	peak

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

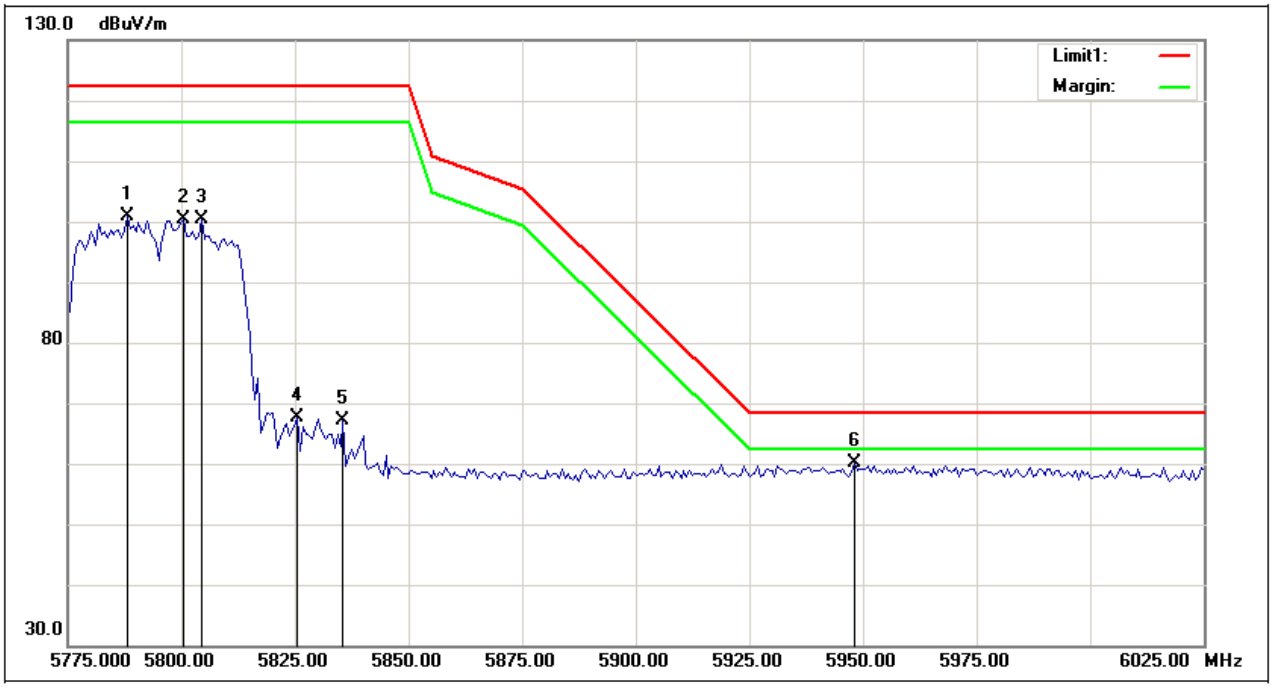
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5584.875	53.89	5.56	59.45	68.30	-8.85	peak
2	5616.375	53.32	5.61	58.93	68.30	-9.37	peak
3	5721.563	57.78	5.78	63.56	114.46	-50.90	peak
4	5743.500	94.23	5.82	100.05	122.30	-22.25	peak
5	5760.375	94.87	5.84	100.71	122.30	-21.59	peak
6	5769.938	93.73	5.86	99.59	122.30	-22.71	peak

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT40) Mode 5795 MHz

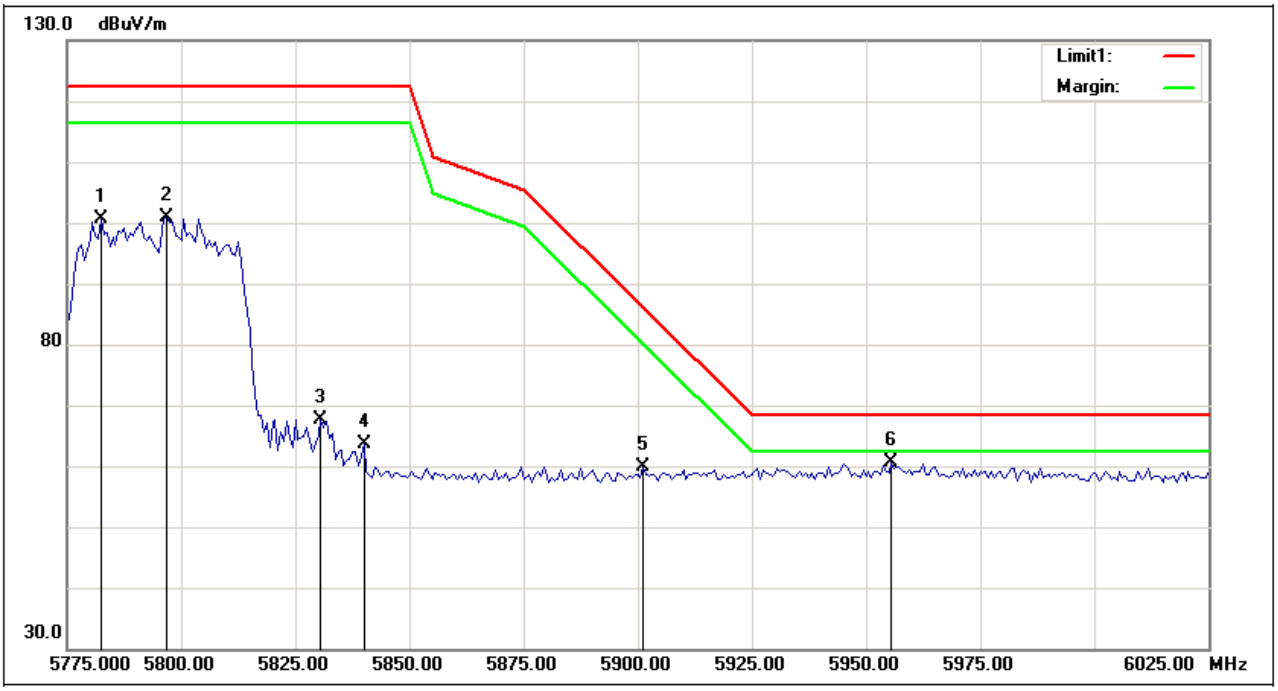
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5788.125	94.99	5.89	100.88	122.30	-21.42	peak
2	5800.625	94.39	5.91	100.30	122.30	-22.00	peak
3	5804.375	94.38	5.92	100.30	122.30	-22.00	peak
4	5825.625	61.70	5.95	67.65	122.30	-54.65	peak
5	5835.625	61.05	5.96	67.01	122.30	-55.29	peak
6	5948.125	54.04	6.15	60.19	68.30	-8.11	peak

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT40) Mode 5795 MHz

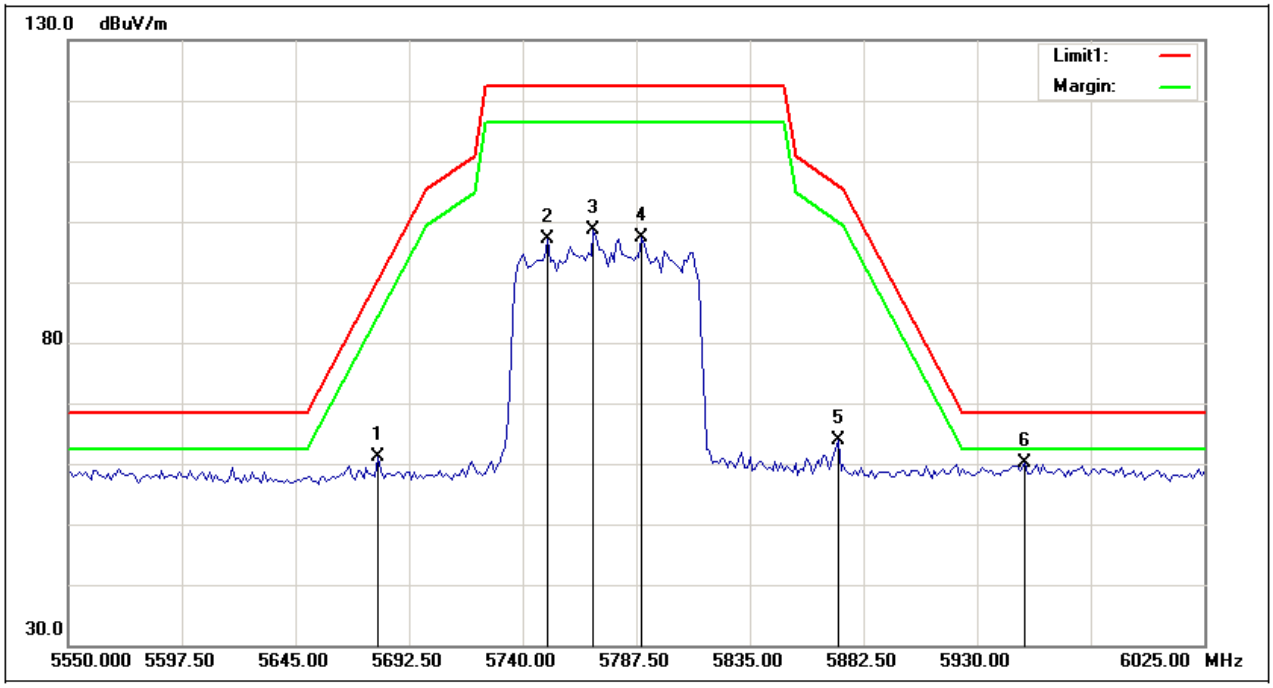
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5782.500	94.85	5.87	100.72	122.30	-21.58	peak
2	5796.875	94.95	5.90	100.85	122.30	-21.45	peak
3	5830.625	61.75	5.96	67.71	122.30	-54.59	peak
4	5840.000	57.78	5.97	63.75	122.30	-58.55	peak
5	5901.250	53.83	6.07	59.90	85.87	-25.97	peak
6	5955.625	54.53	6.16	60.69	68.30	-7.61	peak

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT80) Mode 5775 MHz

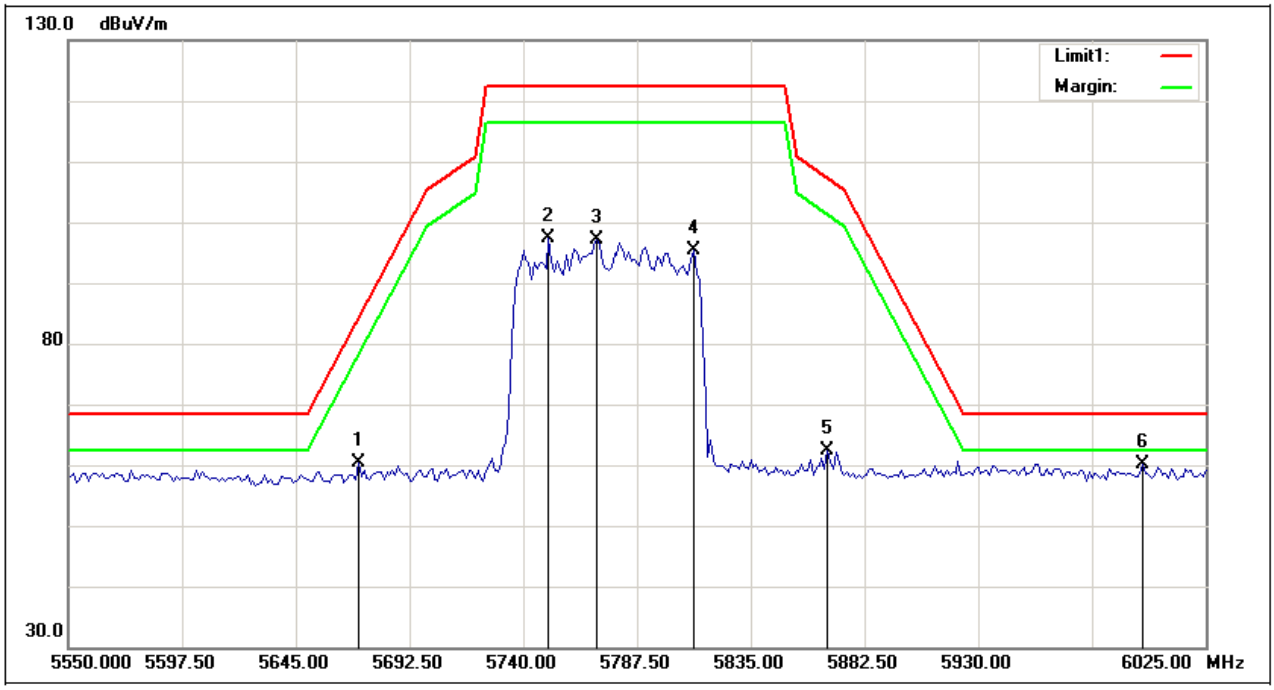
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5679.438	55.30	5.72	61.02	90.08	-29.06	peak
2	5750.688	91.19	5.83	97.02	122.30	-25.28	peak
3	5769.688	92.67	5.86	98.53	122.30	-23.77	peak
4	5789.875	91.60	5.89	97.49	122.30	-24.81	peak
5	5871.813	57.87	6.02	63.89	106.19	-42.30	peak
6	5950.188	54.09	6.15	60.24	68.30	-8.06	peak

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT80) Mode 5775 MHz

Horizontal

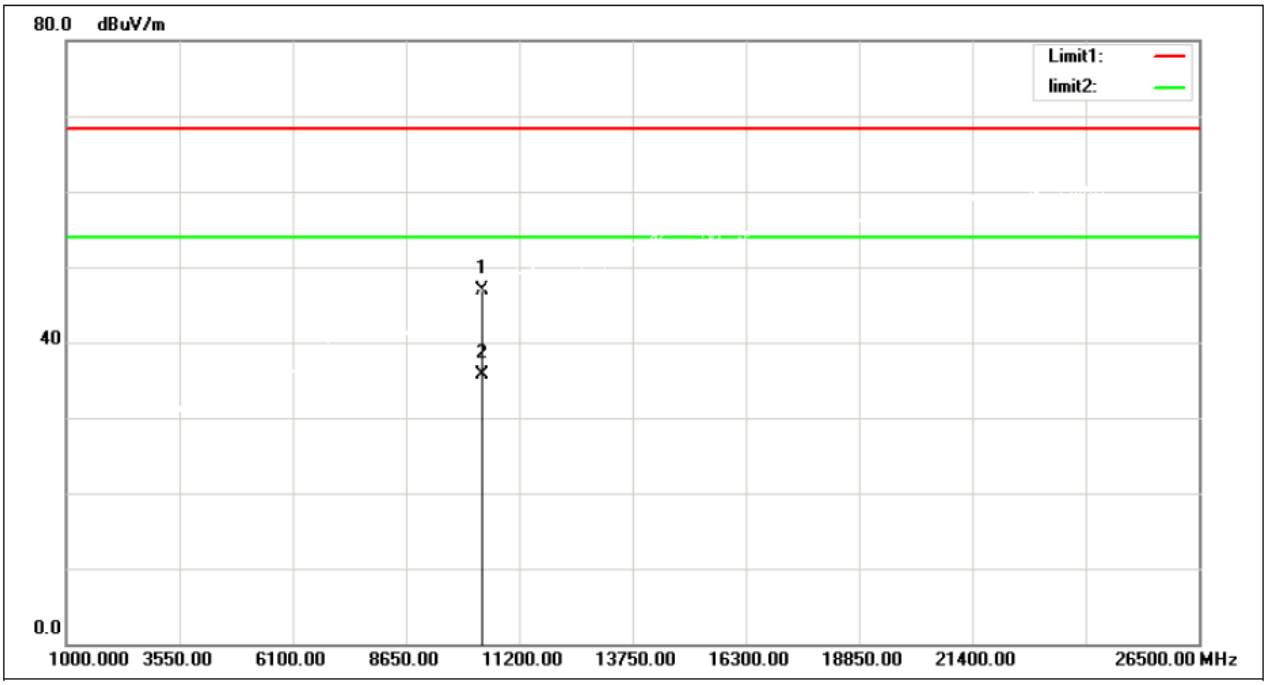


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5671.125	54.56	5.70	60.26	83.93	-23.67	peak
2	5750.688	91.50	5.83	97.33	122.30	-24.97	peak
3	5770.875	91.37	5.86	97.23	122.30	-25.07	peak
4	5811.250	89.55	5.92	95.47	122.30	-26.83	peak
5	5867.063	56.35	6.02	62.37	107.52	-45.15	peak
6	5998.875	54.02	6.23	60.25	68.30	-8.05	peak

5.9TEST RESULTS - ABOVE1000 MHz (HARMONIC)

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

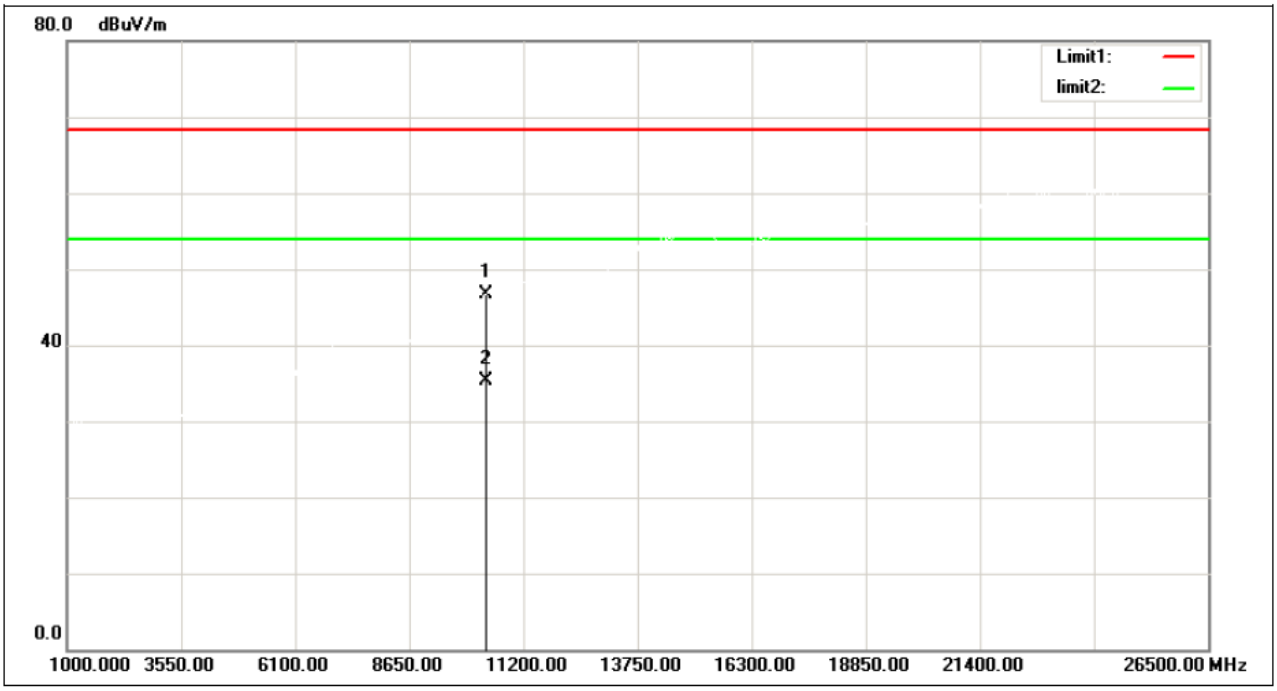
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	40.63	6.22	46.85	68.30	-21.45	peak
2	10360.000	29.42	6.22	35.64	54.00	-18.36	AVG

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

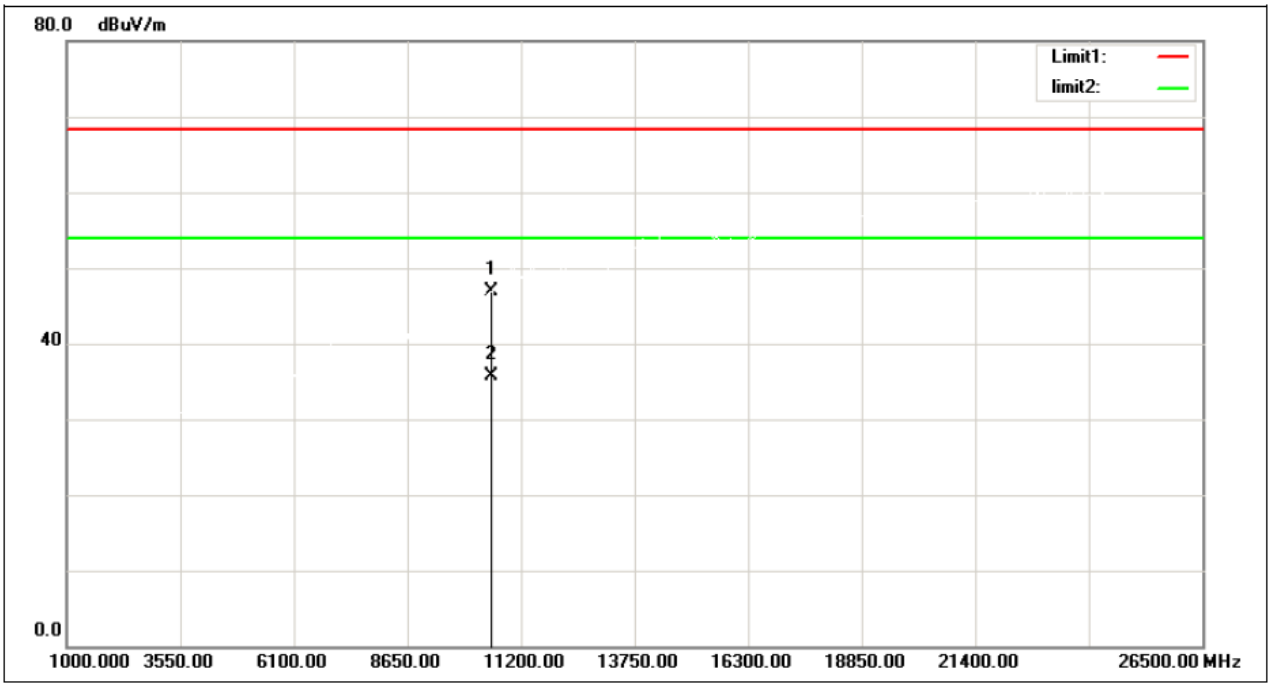
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	40.56	6.22	46.78	68.30	-21.52	peak
2	10360.000	29.02	6.22	35.24	54.00	-18.76	AVG

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5260 MHz

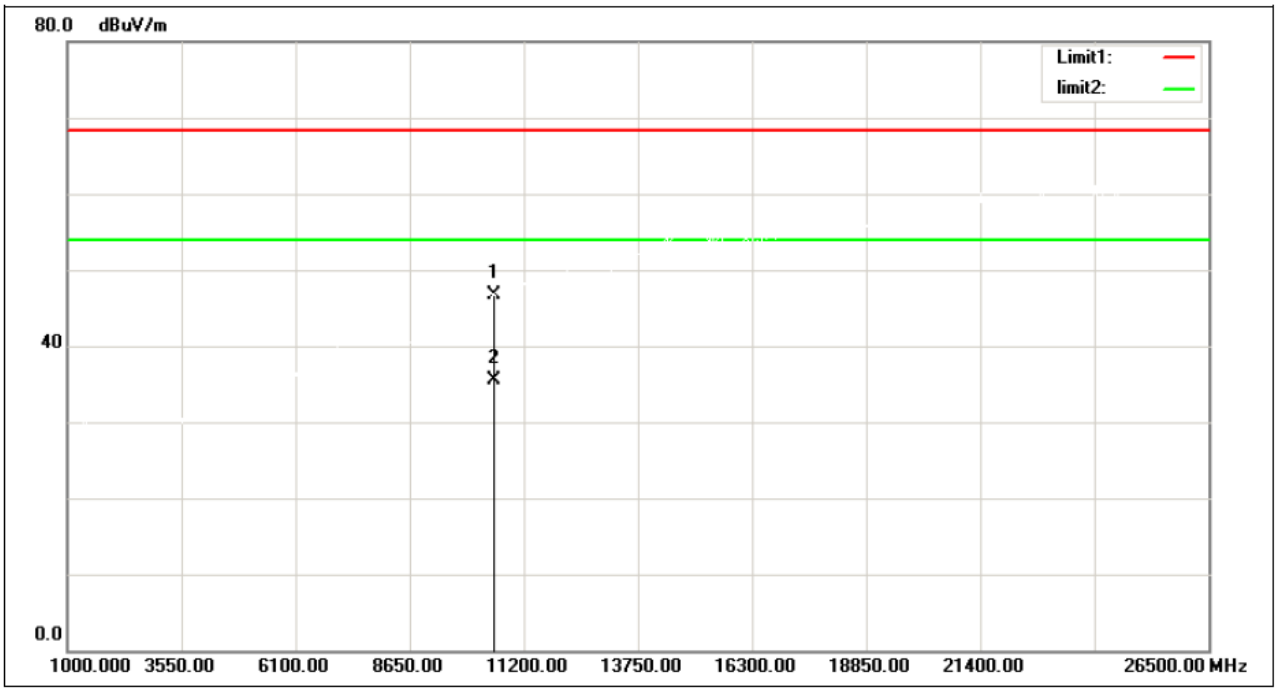
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	40.15	6.74	46.89	68.30	-21.41	peak
2	10520.000	28.97	6.74	35.71	54.00	-18.29	AVG

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5260 MHz

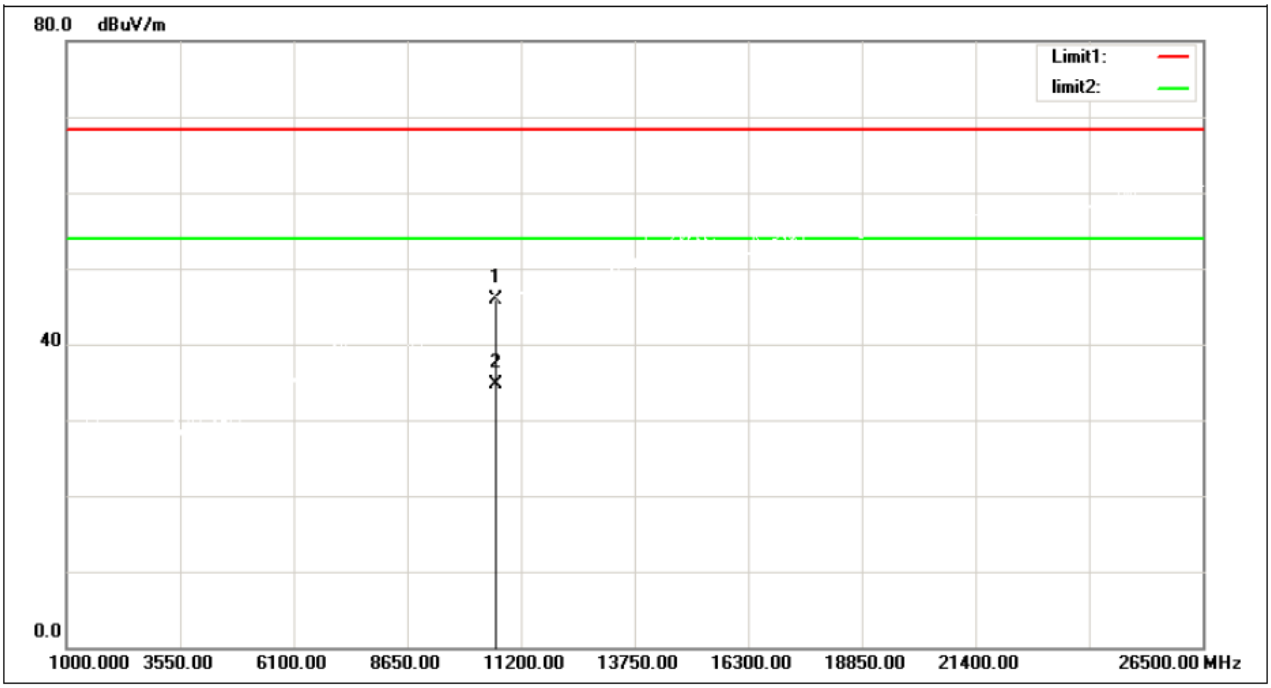
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	39.95	6.74	46.69	68.30	-21.61	peak
2	10520.000	28.73	6.74	35.47	54.00	-18.53	AVG

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

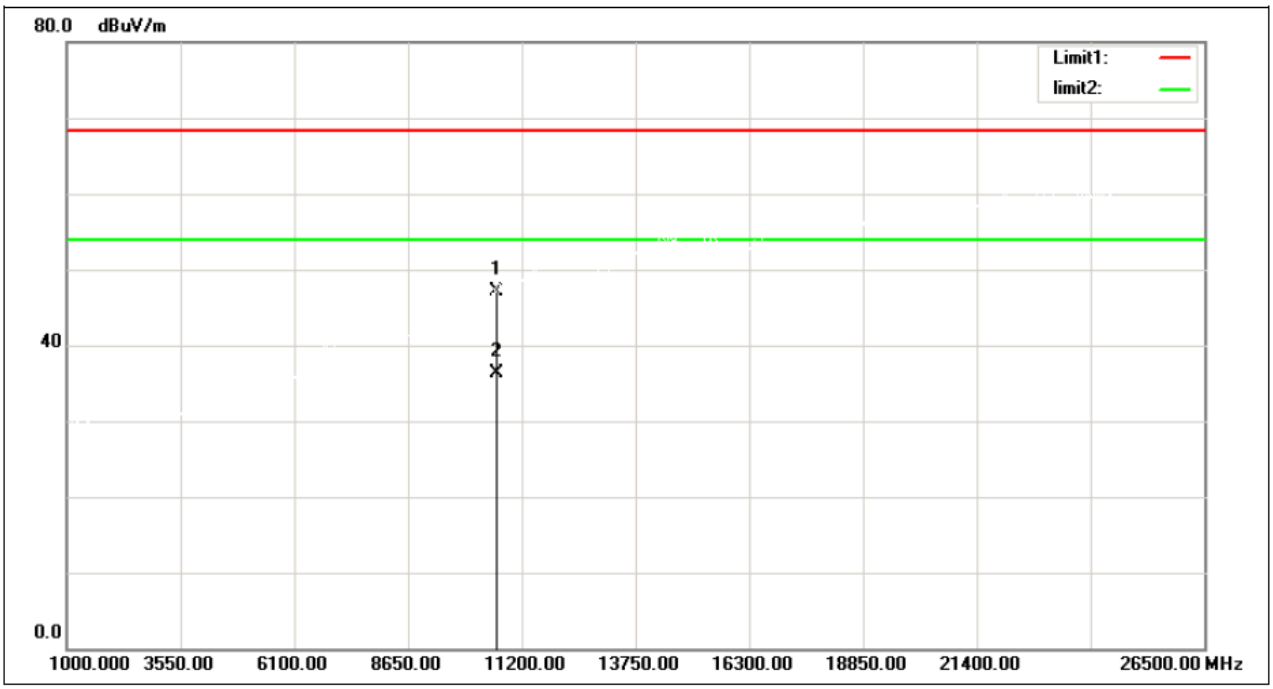
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10640.000	38.84	7.13	45.97	68.30	-22.33	peak
2	10640.000	27.54	7.13	34.67	54.00	-19.33	AVG

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

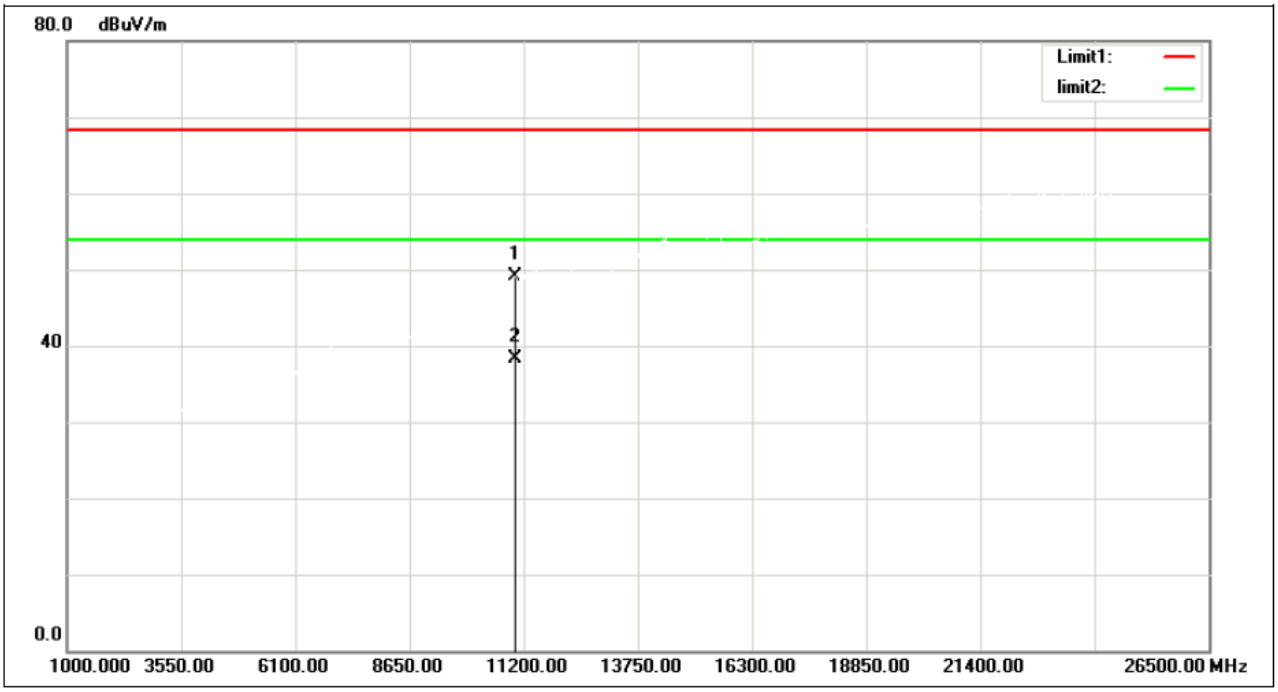
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10640.000	40.06	7.13	47.19	68.30	-21.11	peak
2	10640.000	29.25	7.13	36.38	54.00	-17.62	AVG

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

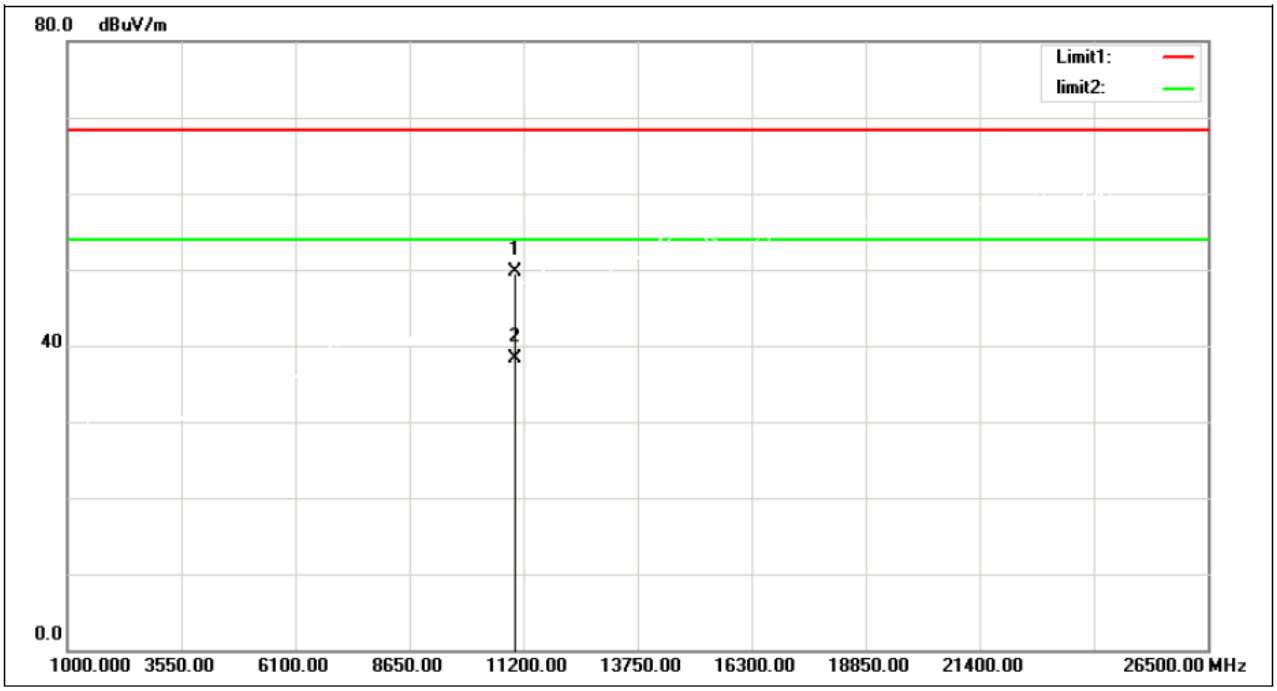
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11000.000	40.85	8.32	49.17	68.30	-19.13	peak
2	11000.000	29.89	8.32	38.21	54.00	-15.79	AVG

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

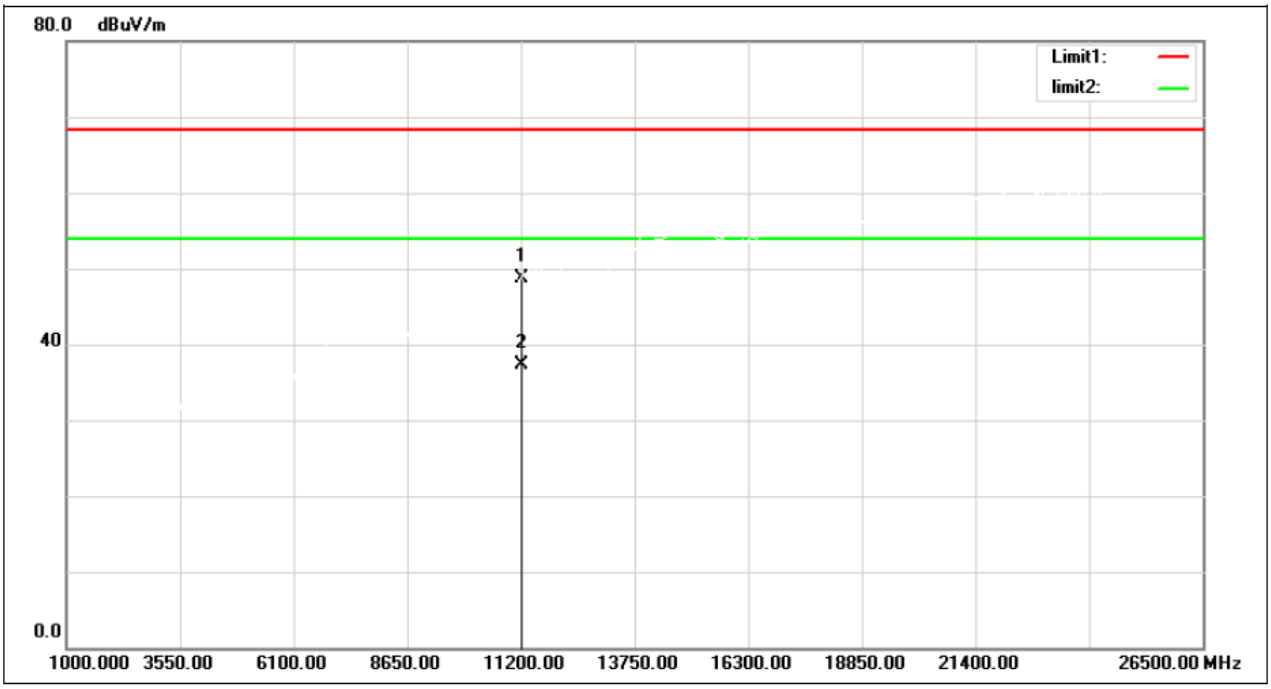
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	41.36	8.32	49.68	68.30	-18.62	peak
2	11000.000	29.96	8.32	38.28	54.00	-15.72	AVG

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5600 MHz

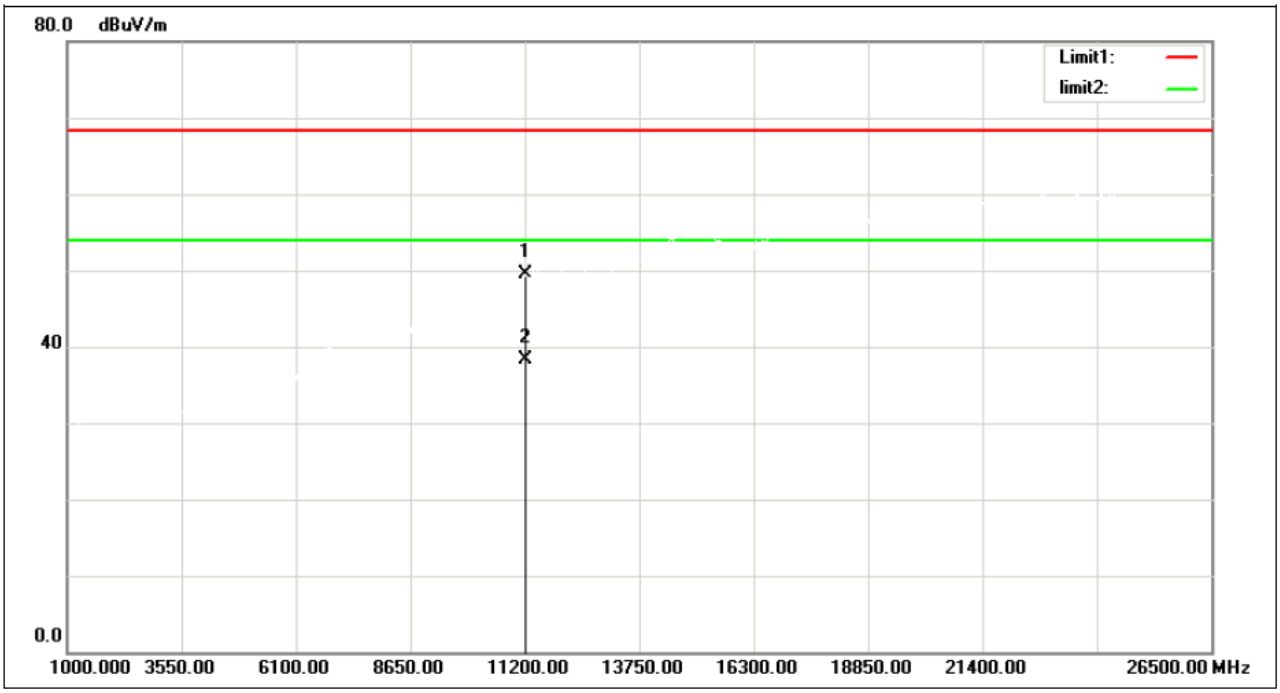
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11200.000	40.44	8.21	48.65	68.30	-19.65	peak
2	11200.000	29.18	8.21	37.39	54.00	-16.61	AVG

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5600 MHz

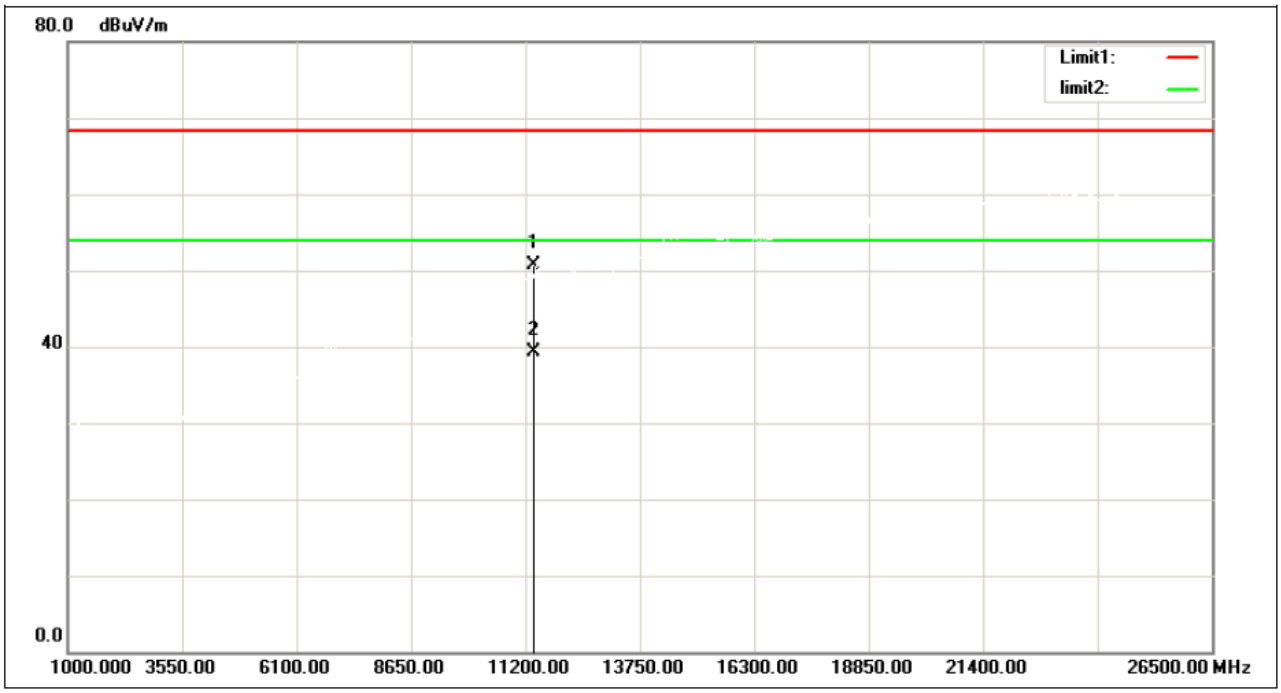
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11200.000	41.22	8.21	49.43	68.30	-18.87	peak
2	11200.000	30.03	8.21	38.24	54.00	-15.76	AVG

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

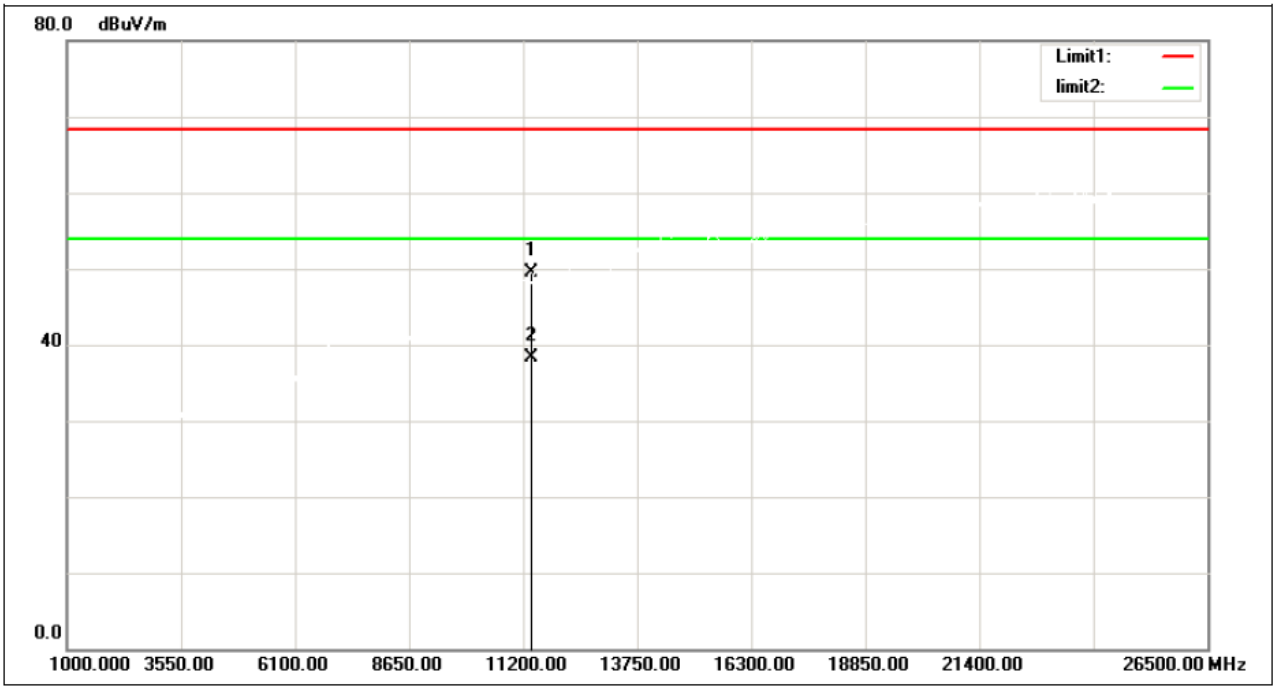
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11400.000	42.57	8.10	50.67	68.30	-17.63	peak
2	11400.000	31.16	8.10	39.26	54.00	-14.74	AVG

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

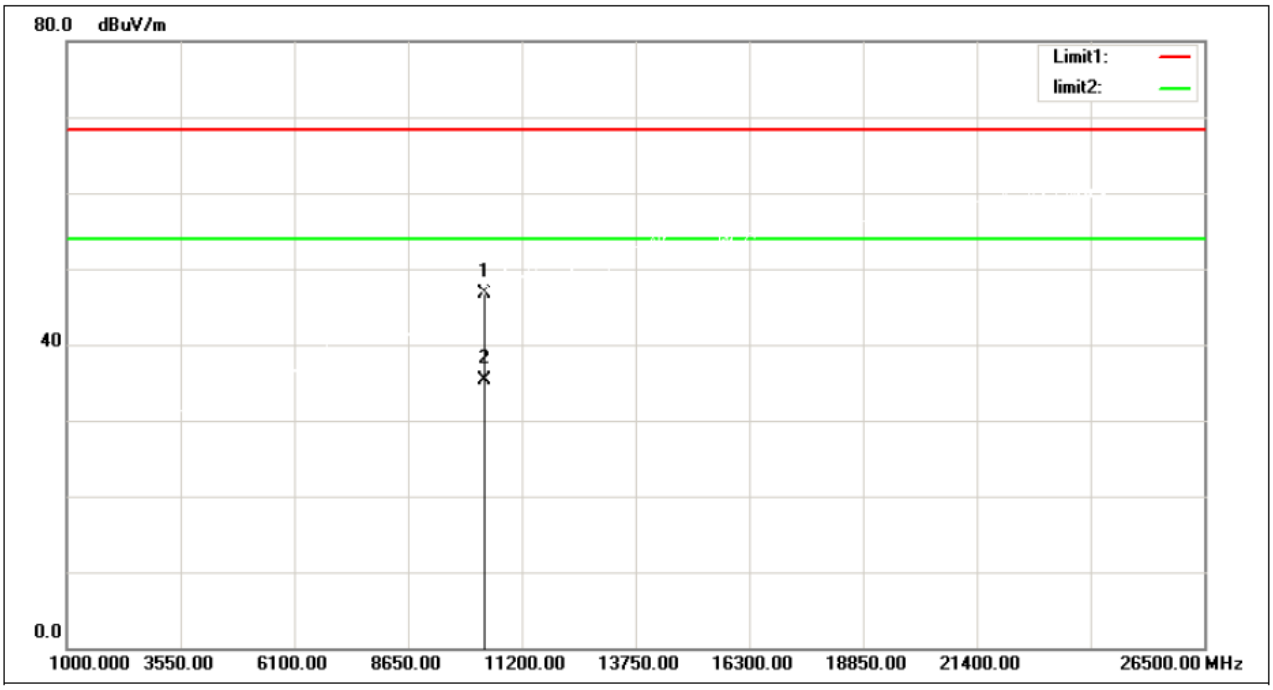
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11400.000	41.47	8.10	49.57	68.30	-18.73	peak
2	11400.000	30.22	8.10	38.32	54.00	-15.68	AVG

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

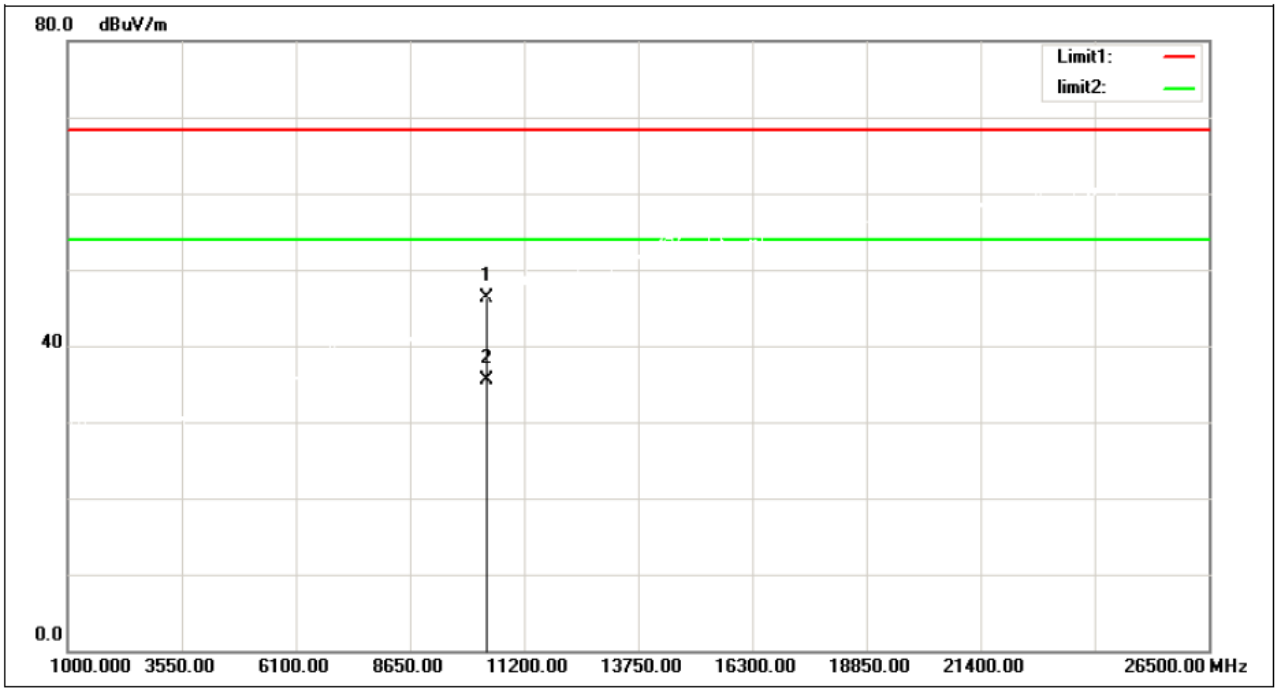
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	40.42	6.22	46.64	68.30	-21.66	peak
2	10360.000	29.07	6.22	35.29	54.00	-18.71	AVG

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

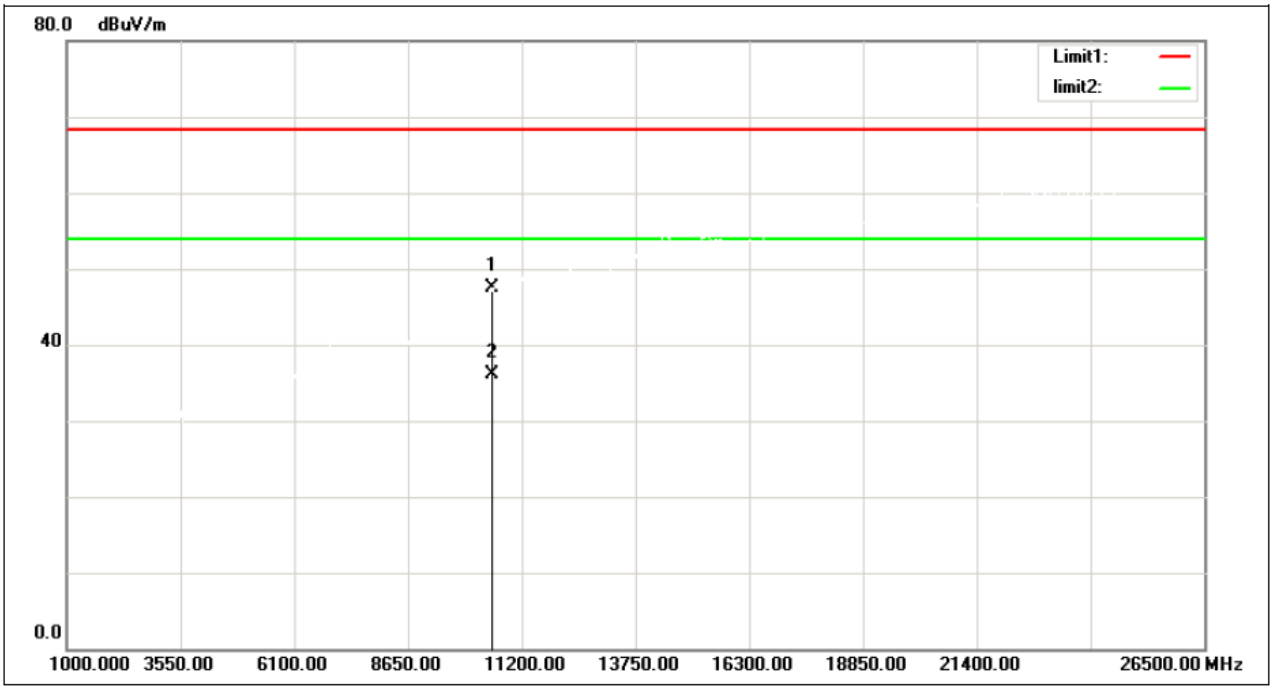
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10360.000	40.06	6.22	46.28	68.30	-22.02	peak
2	10360.000	29.24	6.22	35.46	54.00	-18.54	AVG

Orthogonal Axis	X
Test Mode	UNII-2A_TX N (HT20) Mode 5260 MHz

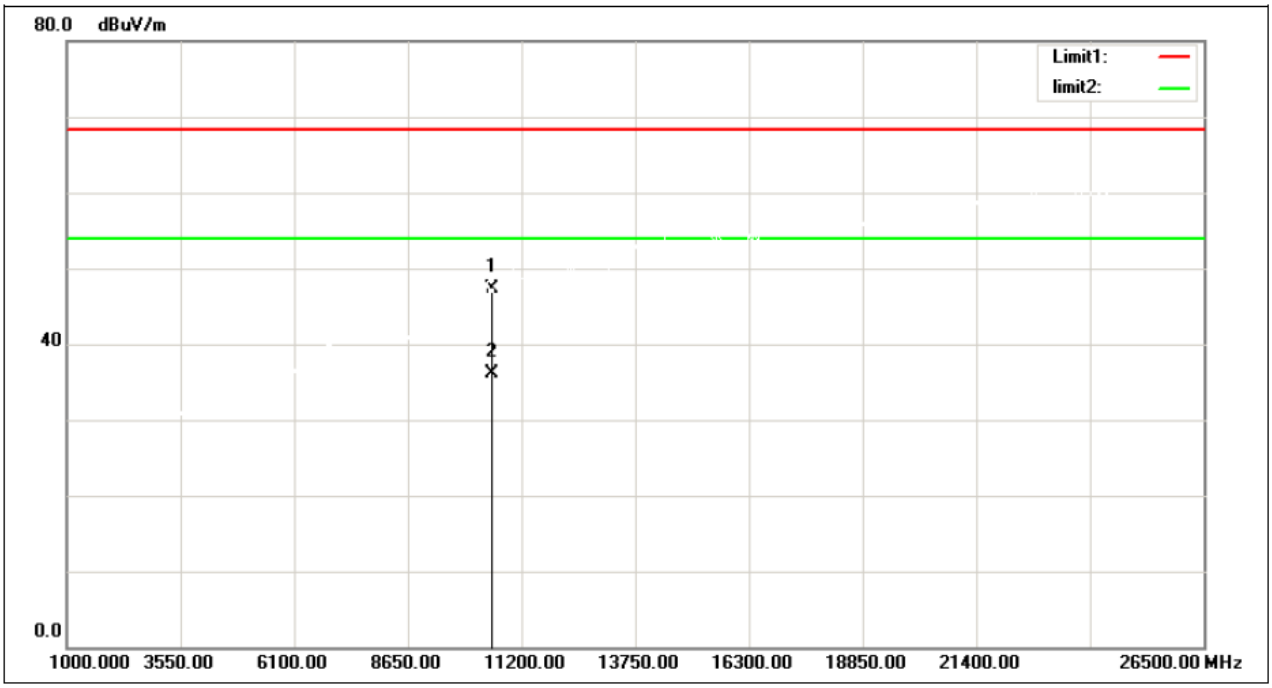
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10520.000	40.69	6.74	47.43	68.30	-20.87	peak
2	10520.000	29.39	6.74	36.13	54.00	-17.87	AVG

Orthogonal Axis	X
Test Mode	UNII-2A_TX N (HT20) Mode 5260 MHz

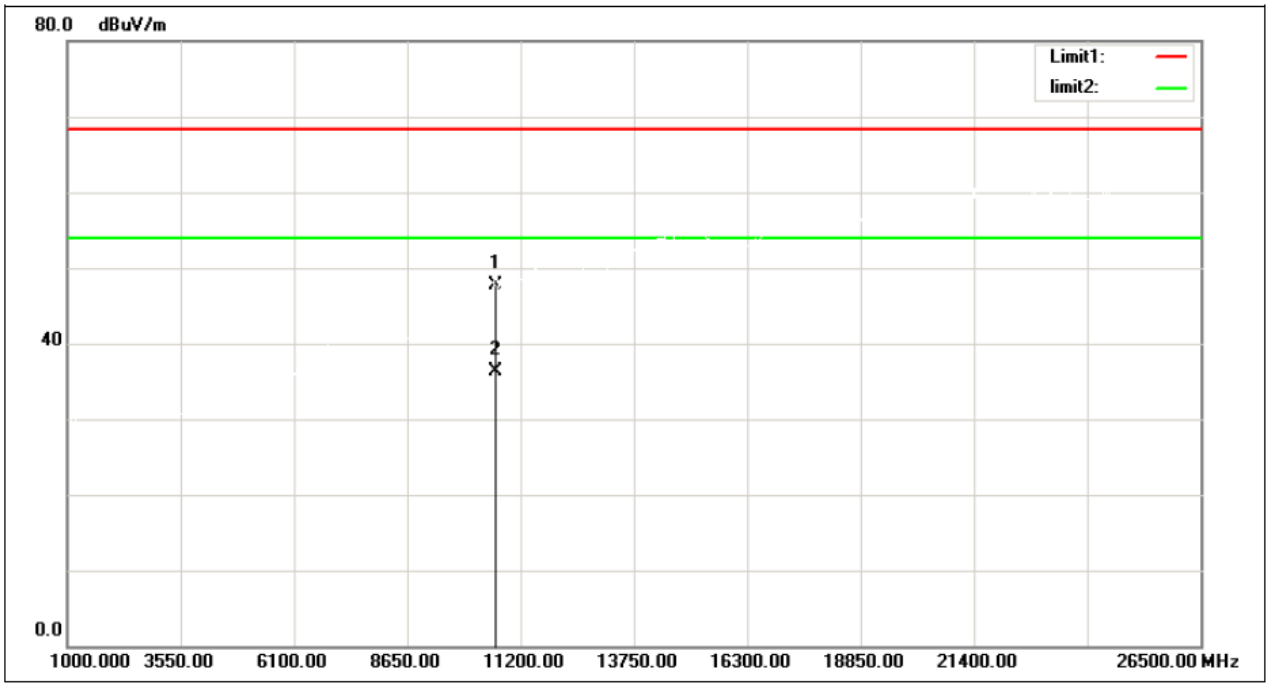
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	40.53	6.74	47.27	68.30	-21.03	peak
2	10520.000	29.45	6.74	36.19	54.00	-17.81	AVG

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

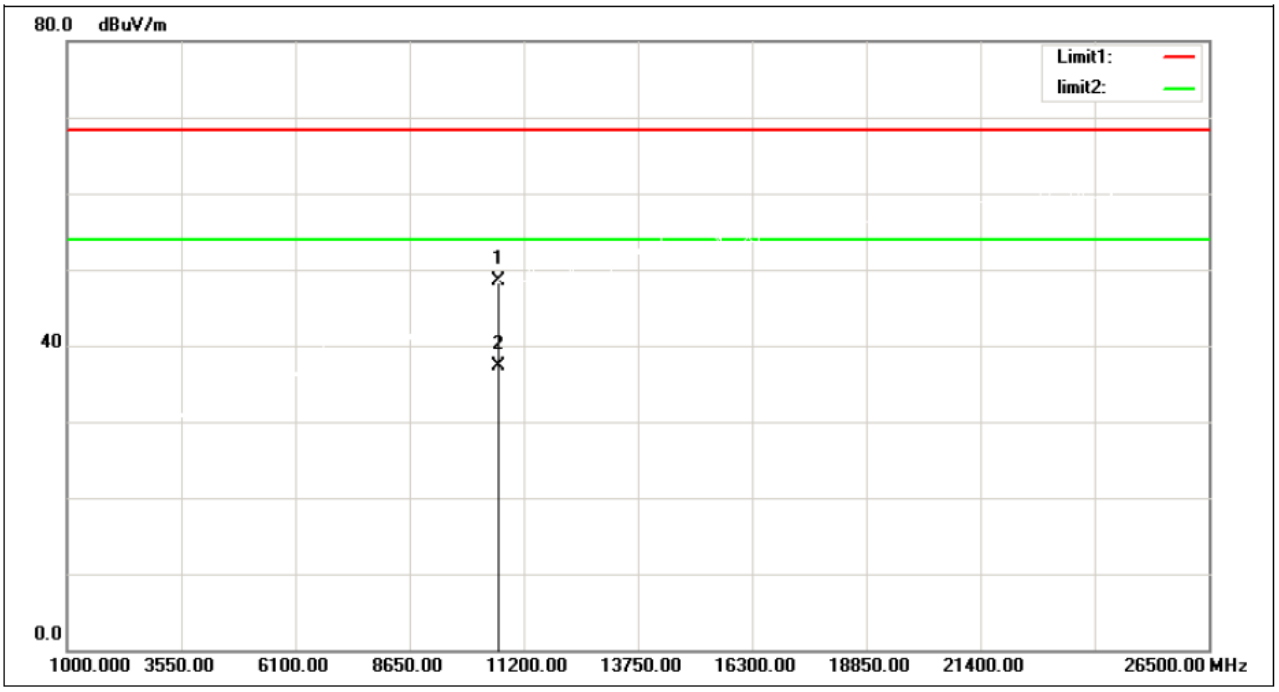
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	40.61	7.13	47.74	68.30	-20.56	peak
2	10640.000	29.13	7.13	36.26	54.00	-17.74	AVG

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

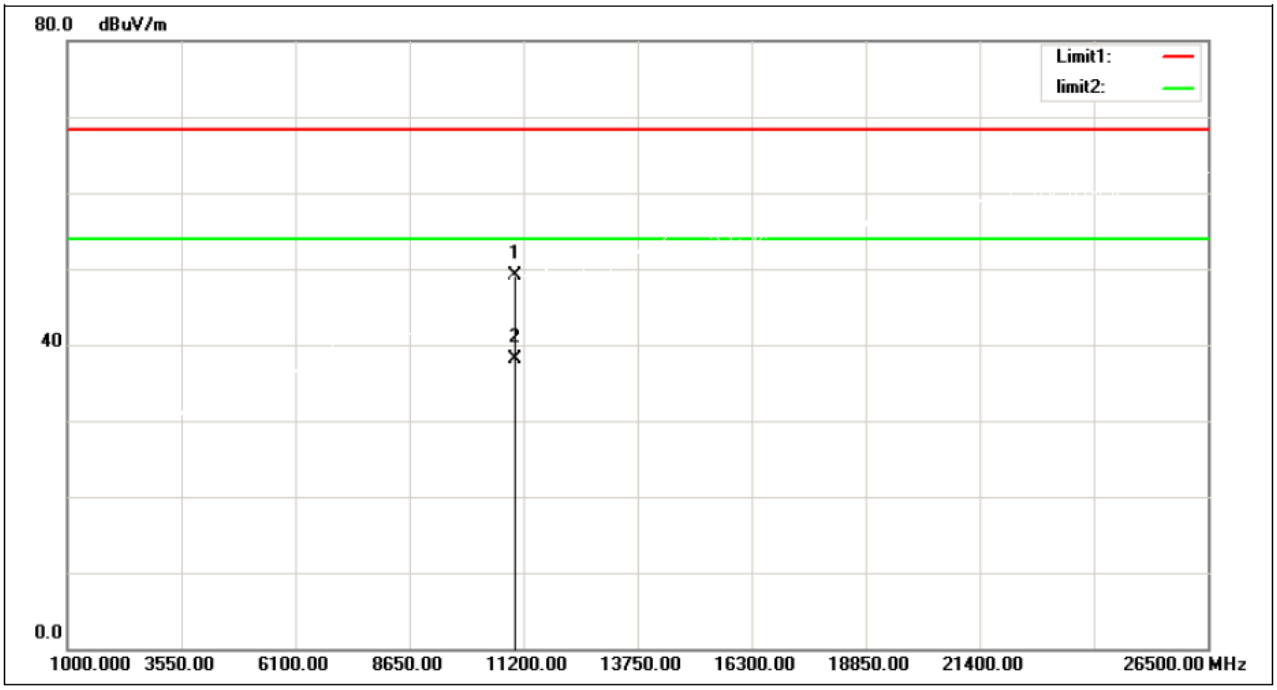
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	41.41	7.13	48.54	68.30	-19.76	peak
2	10640.000	30.15	7.13	37.28	54.00	-16.72	AVG

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

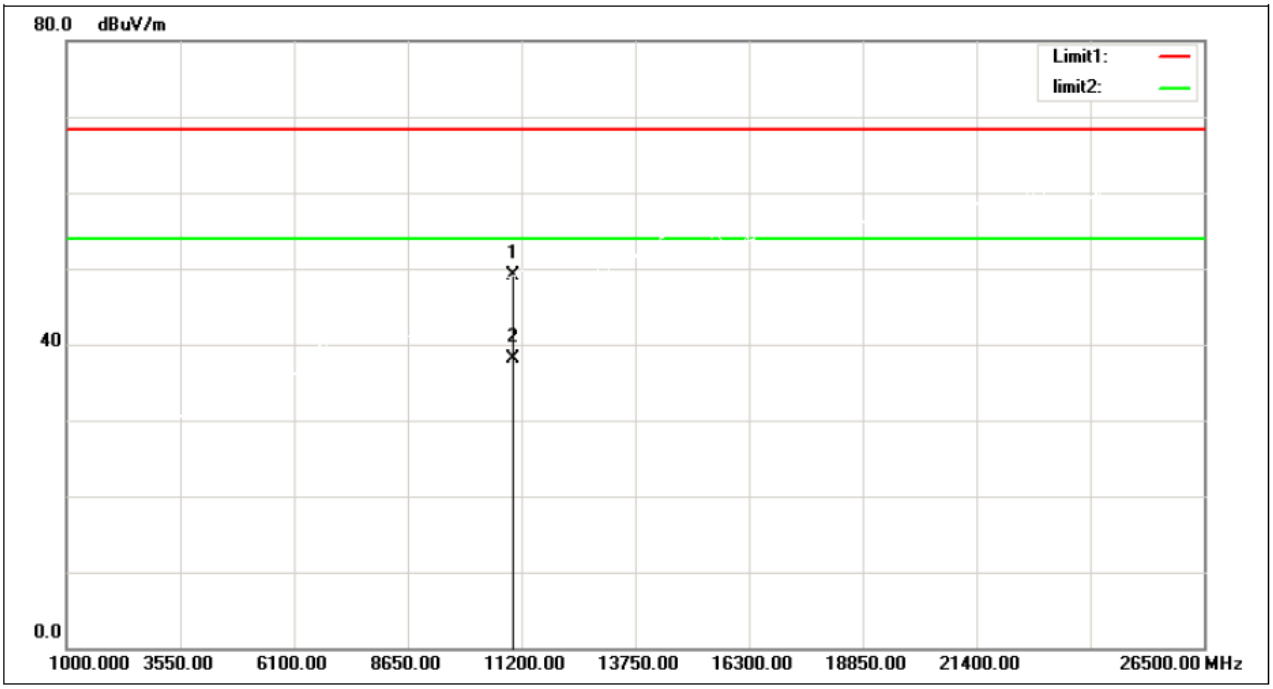
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11000.000	40.88	8.32	49.20	68.30	-19.10	peak
2	11000.000	29.74	8.32	38.06	54.00	-15.94	AVG

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

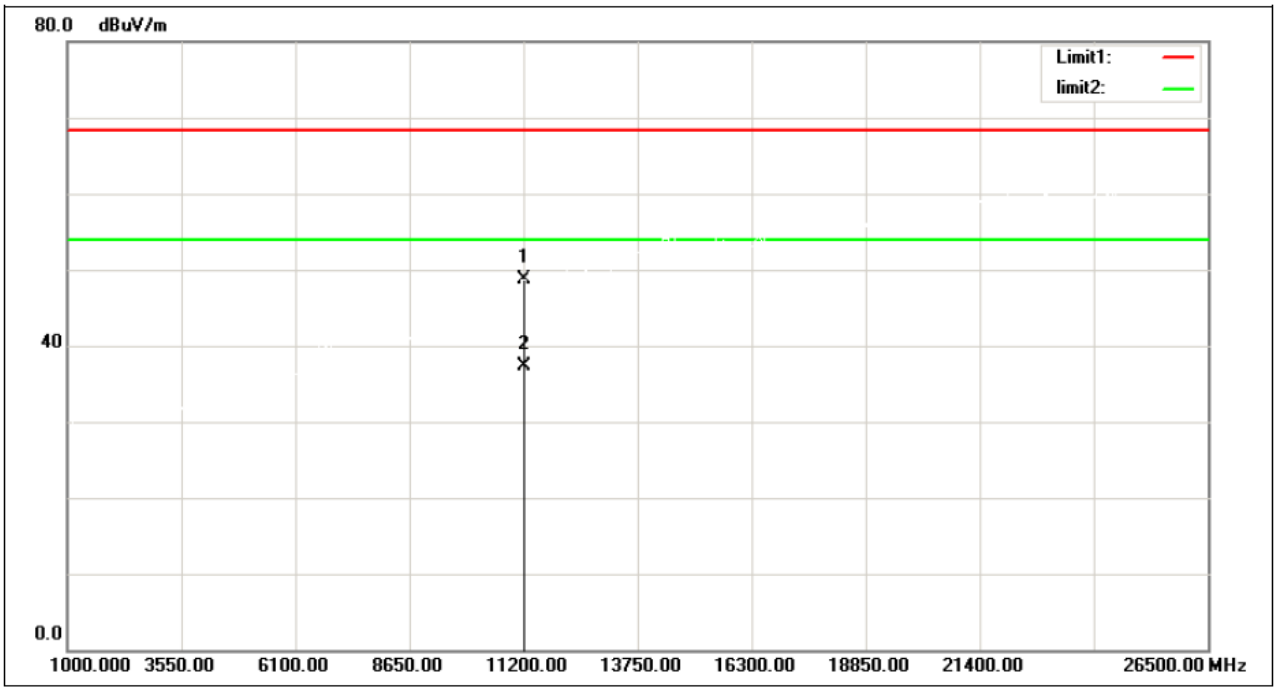
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	40.80	8.32	49.12	68.30	-19.18	peak
2	11000.000	29.75	8.32	38.07	54.00	-15.93	AVG

Orthogonal Axis	X
Test Mode	UNII-2C_TX N (HT20) Mode 5600 MHz

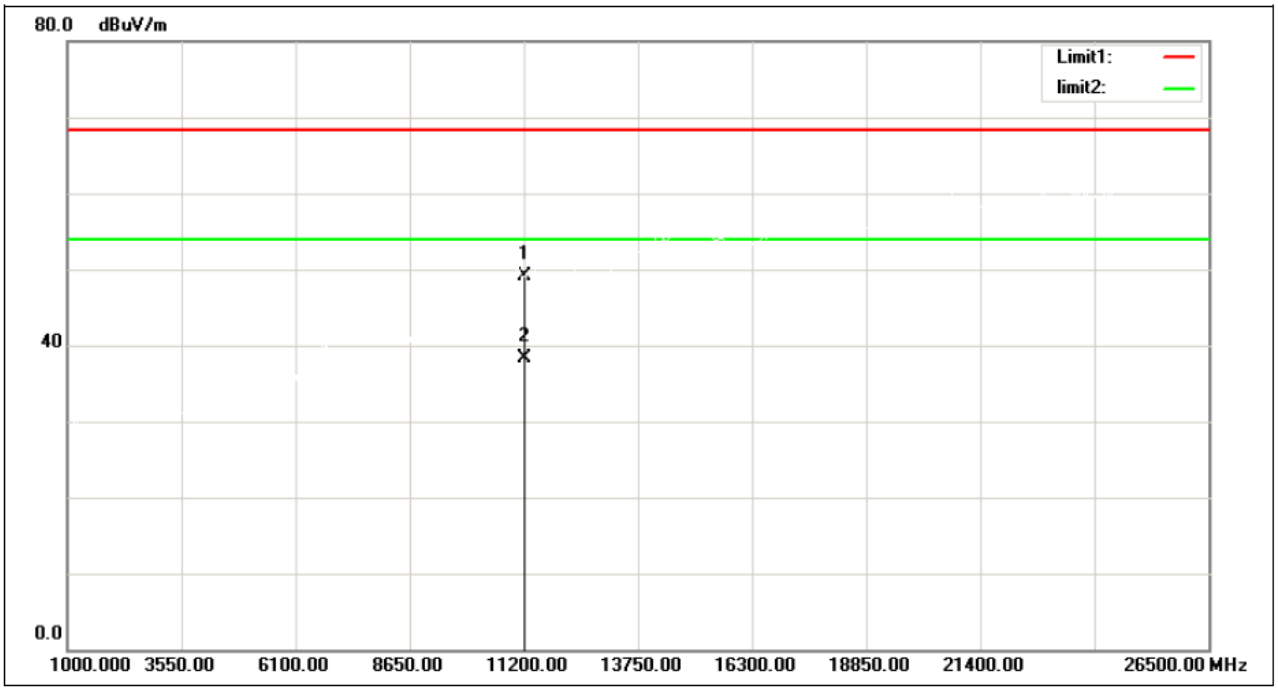
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11200.000	40.55	8.21	48.76	68.30	-19.54	peak
2	11200.000	29.10	8.21	37.31	54.00	-16.69	AVG

Orthogonal Axis	X
Test Mode	UNII-2C_TX N (HT20) Mode 5600 MHz

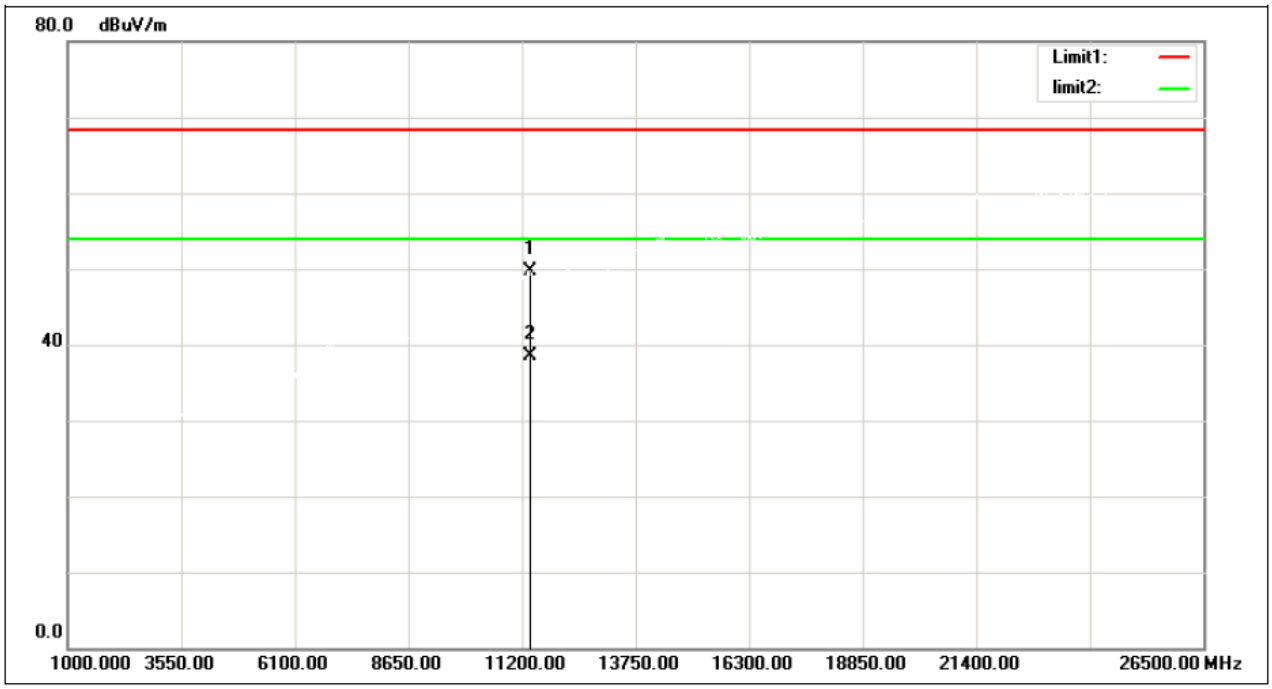
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11200.000	40.89	8.21	49.10	68.30	-19.20	peak
2	11200.000	30.00	8.21	38.21	54.00	-15.79	AVG

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

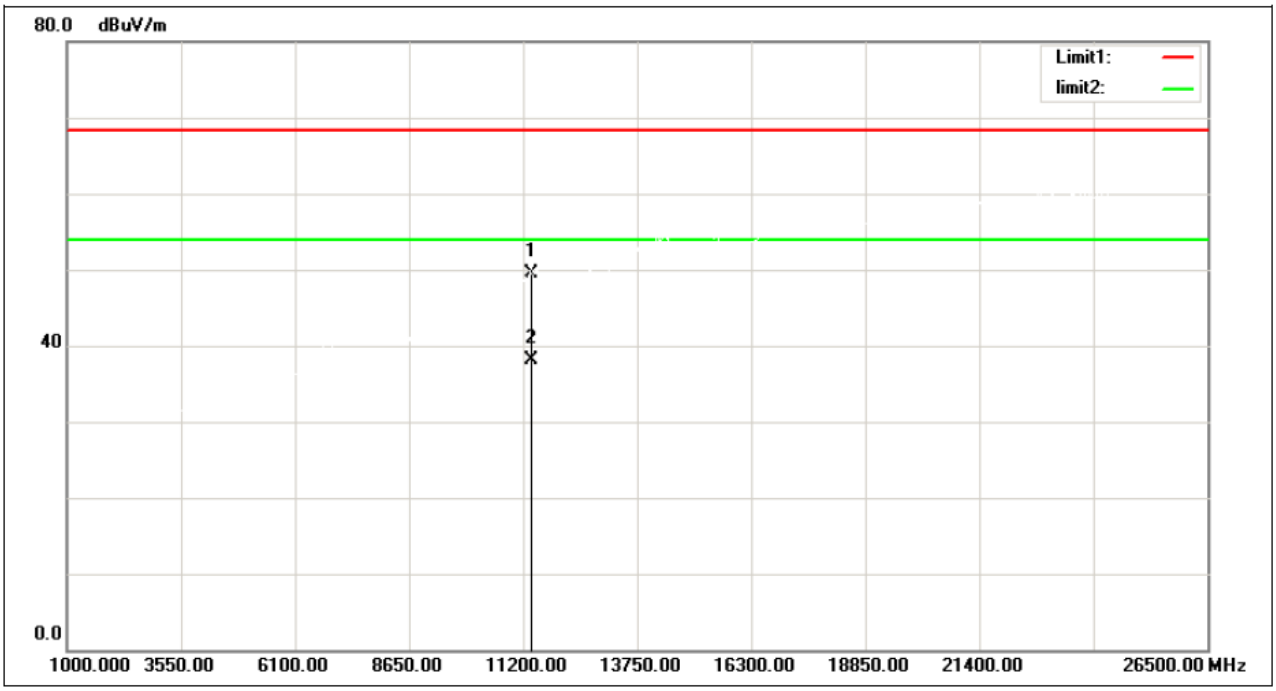
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11400.000	41.55	8.10	49.65	68.30	-18.65	peak
2	11400.000	30.32	8.10	38.42	54.00	-15.58	AVG

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

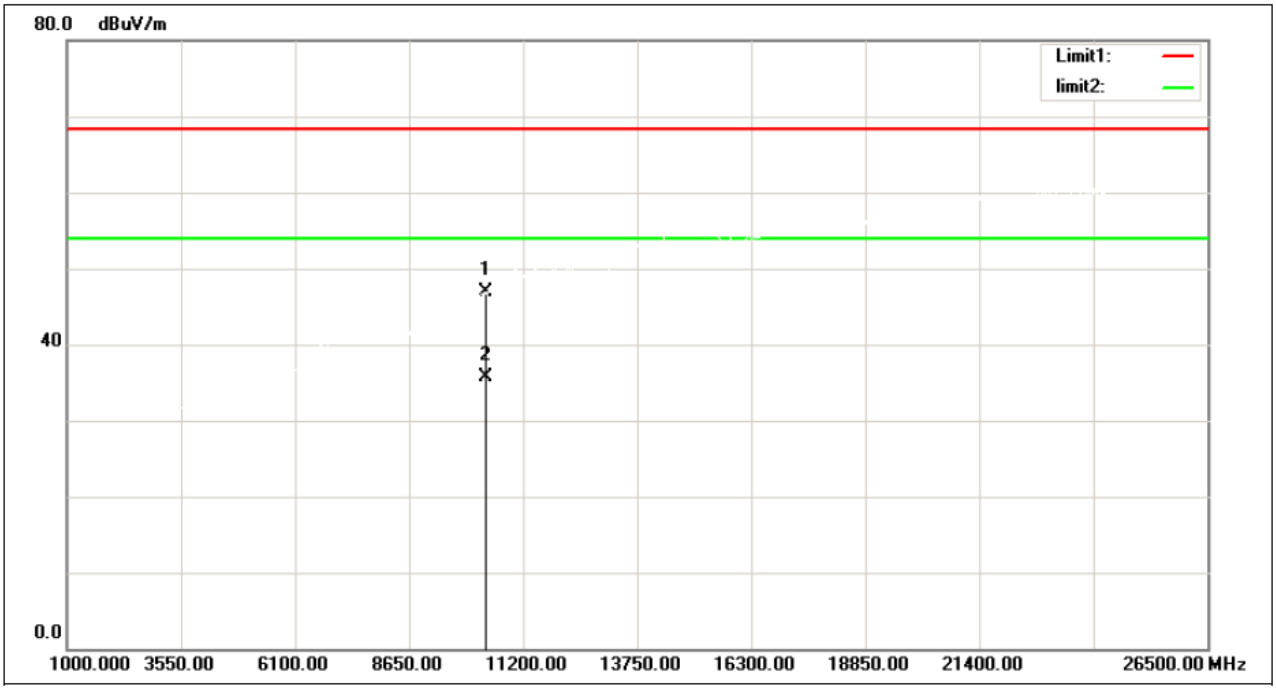
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11400.000	41.32	8.10	49.42	68.30	-18.88	peak
2	11400.000	30.04	8.10	38.14	54.00	-15.86	AVG

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

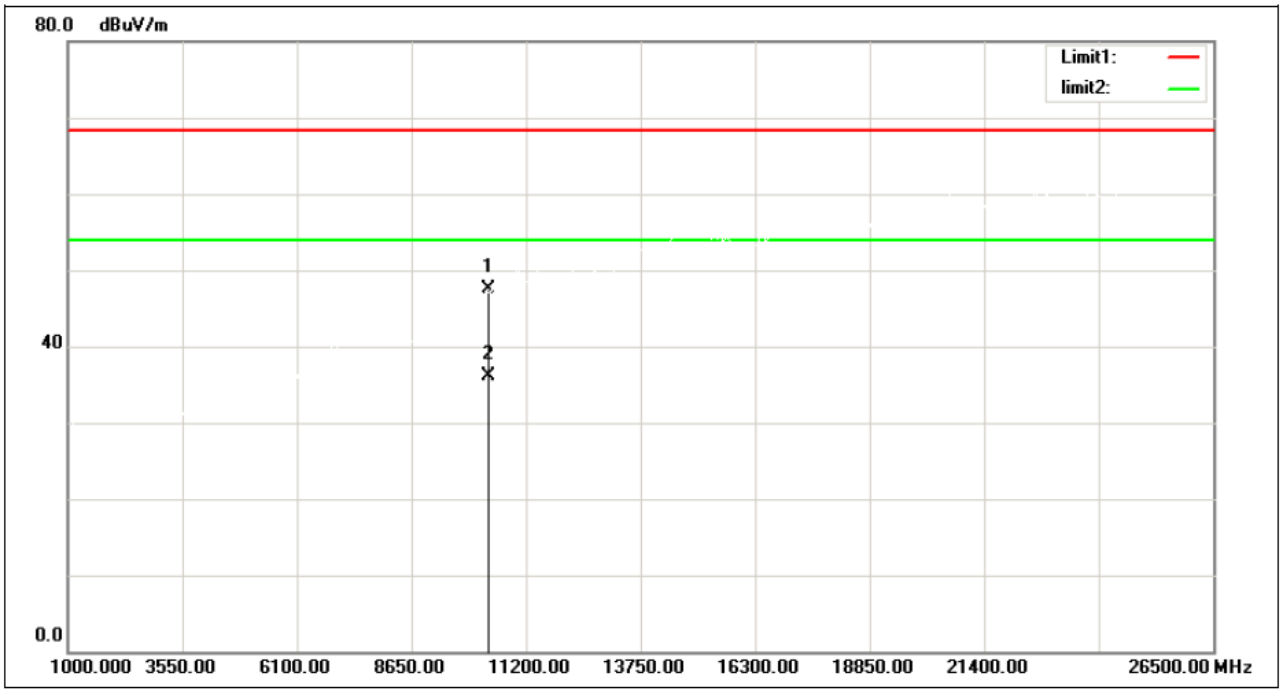
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10380.000	40.56	6.28	46.84	68.30	-21.46	peak
2	10380.000	29.37	6.28	35.65	54.00	-18.35	AVG

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

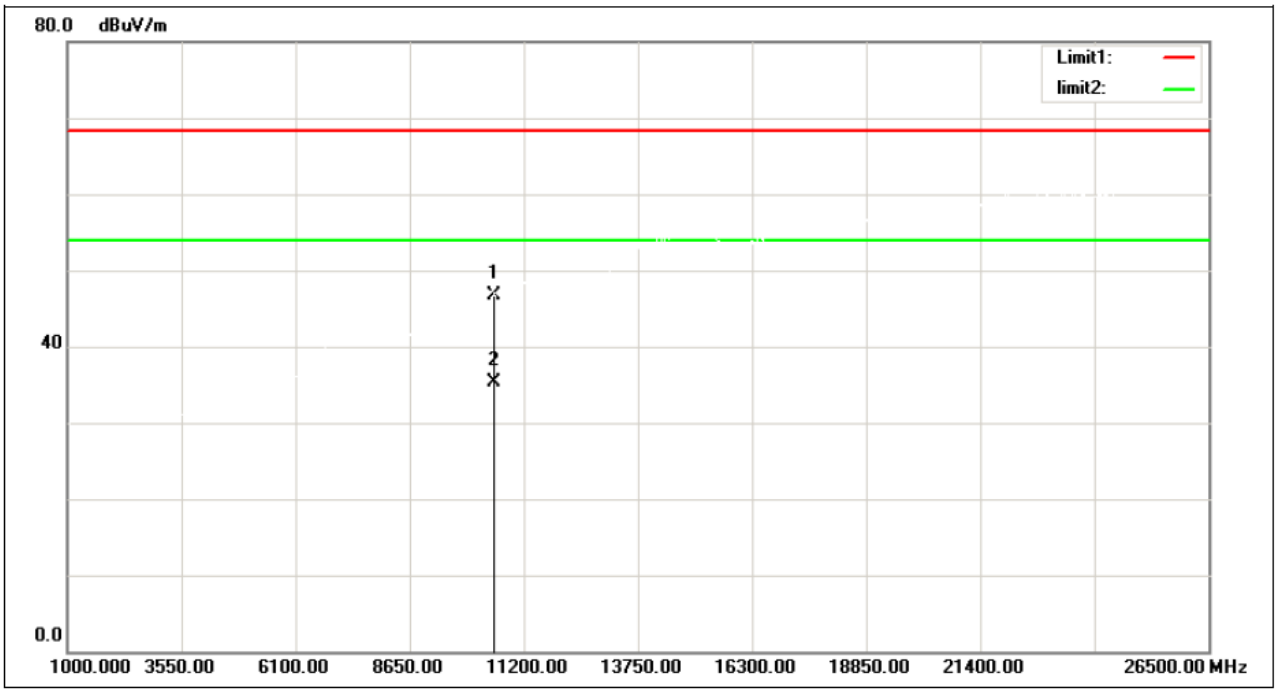
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	41.14	6.28	47.42	68.30	-20.88	peak
2	10380.000	29.85	6.28	36.13	54.00	-17.87	AVG

Orthogonal Axis	X
Test Mode	UNII-2A_TX N (HT40) Mode 5270 MHz

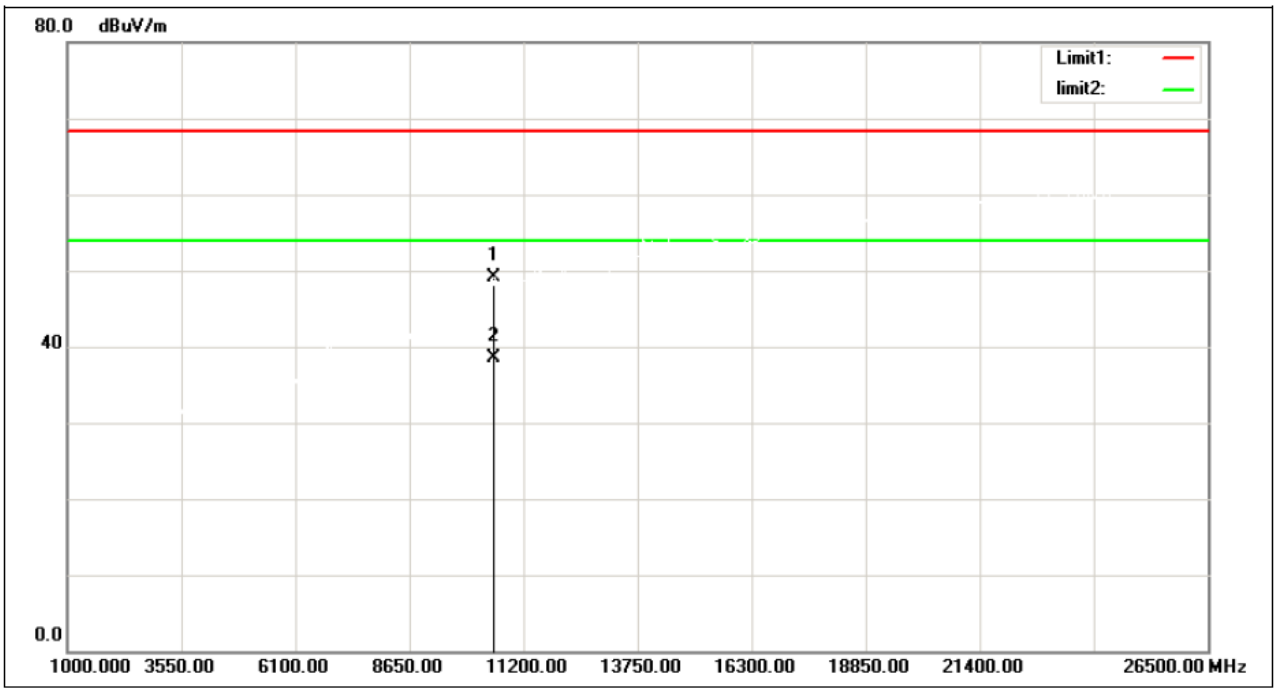
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10540.000	39.90	6.80	46.70	68.30	-21.60	peak
2	10540.000	28.46	6.80	35.26	54.00	-18.74	AVG

Orthogonal Axis	X
Test Mode	UNII-2A_TX N (HT40) Mode 5270 MHz

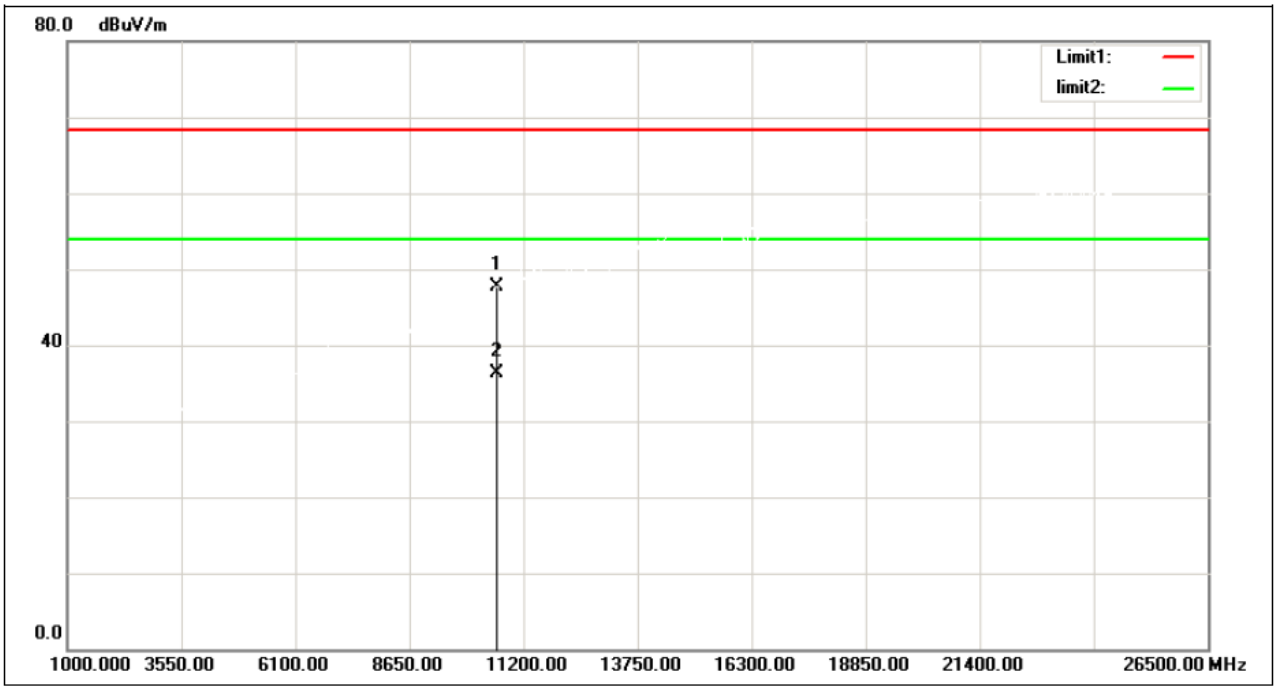
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10540.000	42.23	6.80	49.03	68.30	-19.27	peak
2	10540.000	31.76	6.80	38.56	54.00	-15.44	AVG

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

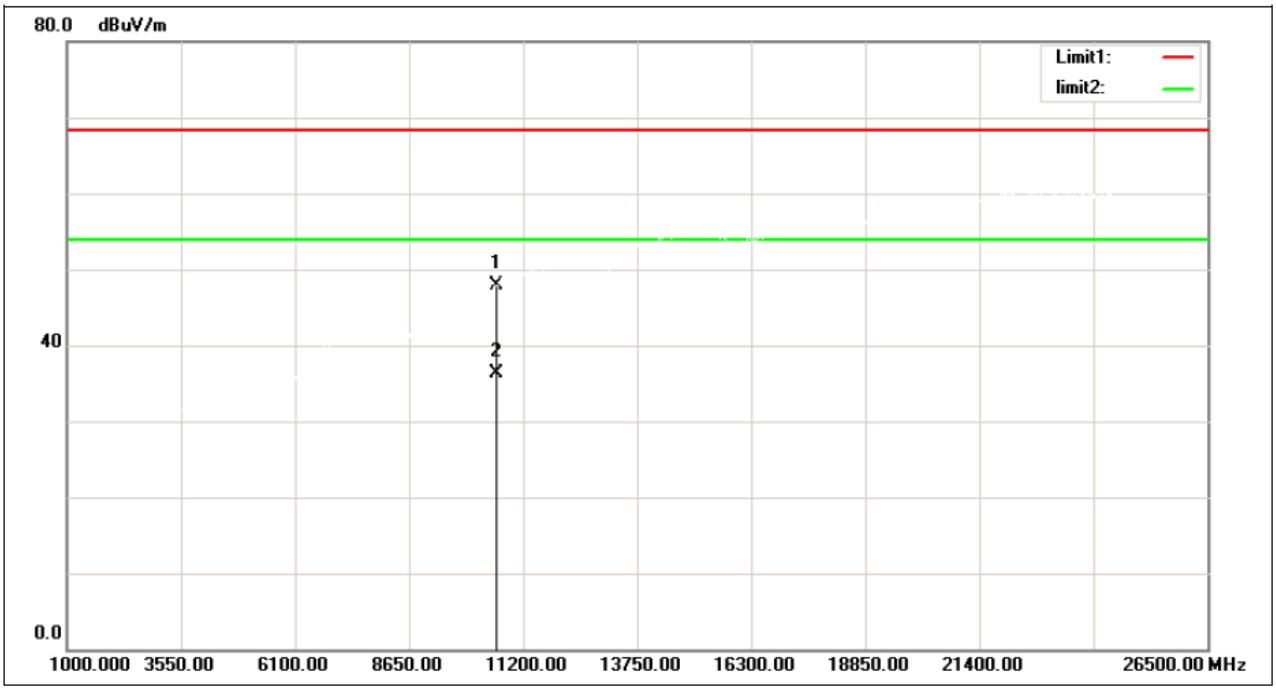
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10620.000	40.59	7.07	47.66	68.30	-20.64	peak
2	10620.000	29.25	7.07	36.32	54.00	-17.68	AVG

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

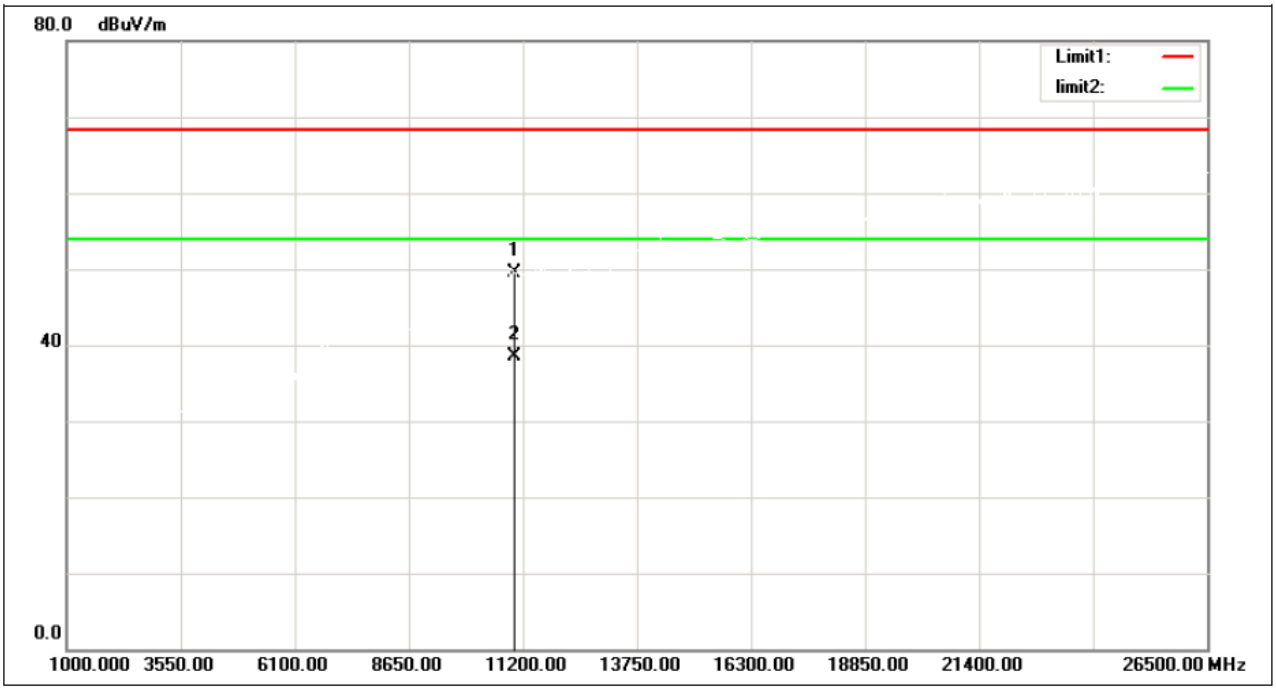
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10620.000	40.91	7.07	47.98	68.30	-20.32	peak
2	10620.000	29.19	7.07	36.26	54.00	-17.74	AVG

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

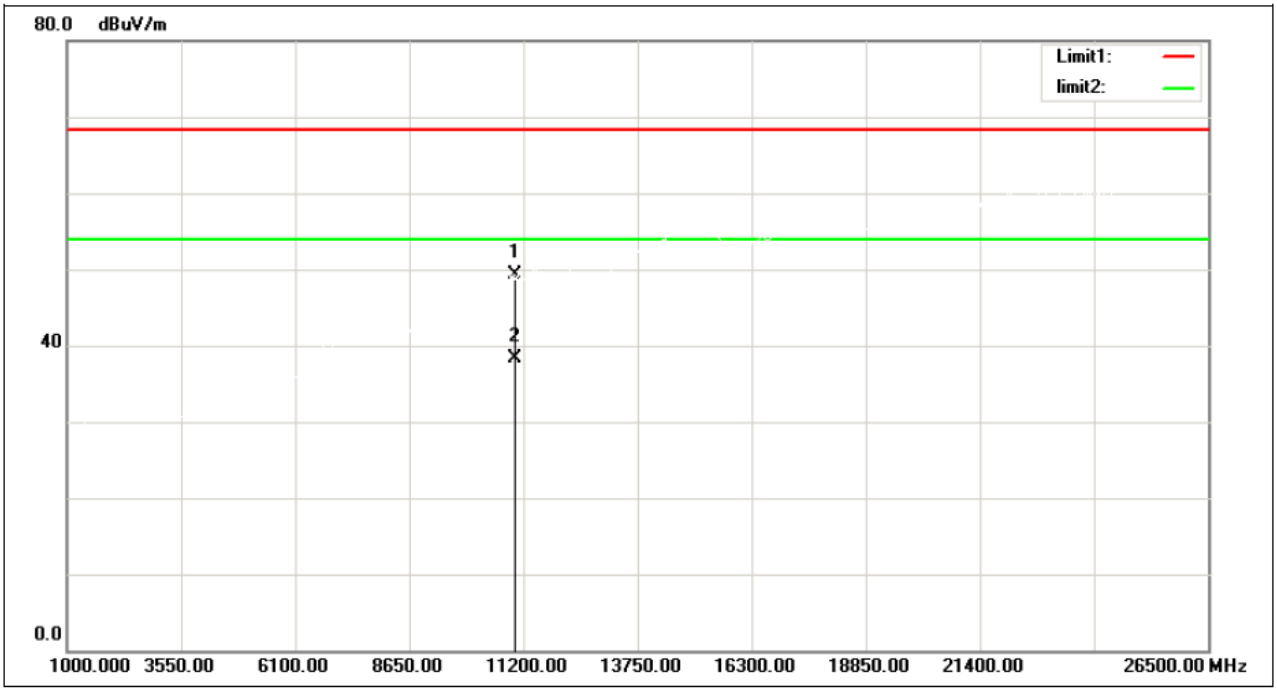
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11020.000	41.29	8.30	49.59	68.30	-18.71	peak
2	11020.000	30.26	8.30	38.56	54.00	-15.44	AVG

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

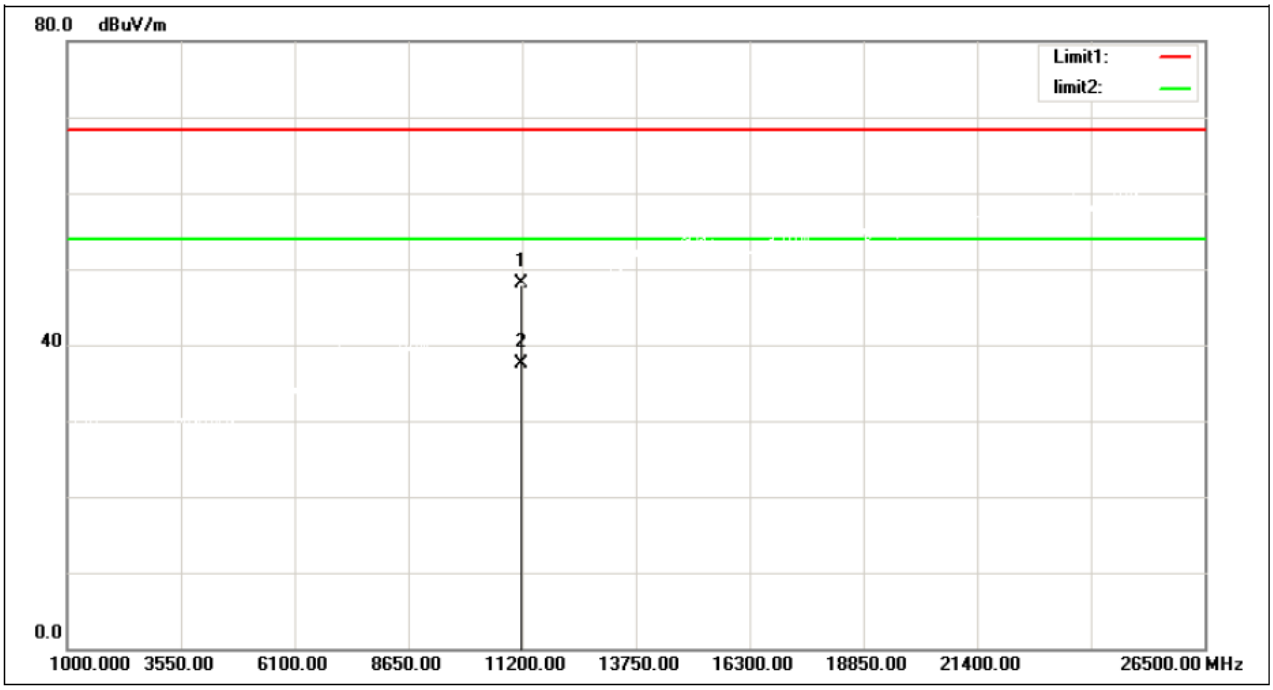
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11020.000	40.91	8.30	49.21	68.30	-19.09	peak
2	11020.000	29.96	8.30	38.26	54.00	-15.74	AVG

Orthogonal Axis	X
Test Mode	UNII-2C_TX N (HT40) Mode 5590 MHz

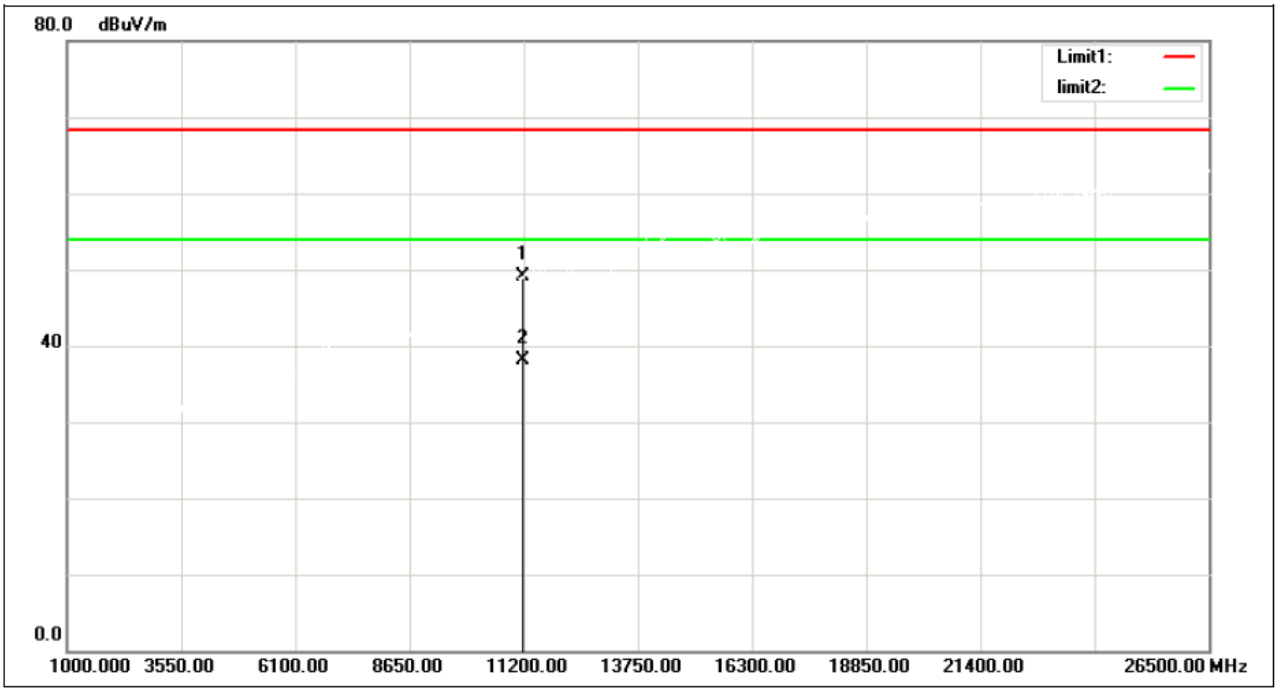
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11180.000	39.92	8.23	48.15	68.30	-20.15	peak
2	11180.000	29.33	8.23	37.56	54.00	-16.44	AVG

Orthogonal Axis	X
Test Mode	UNII-2C_TX N (HT40) Mode 5590 MHz

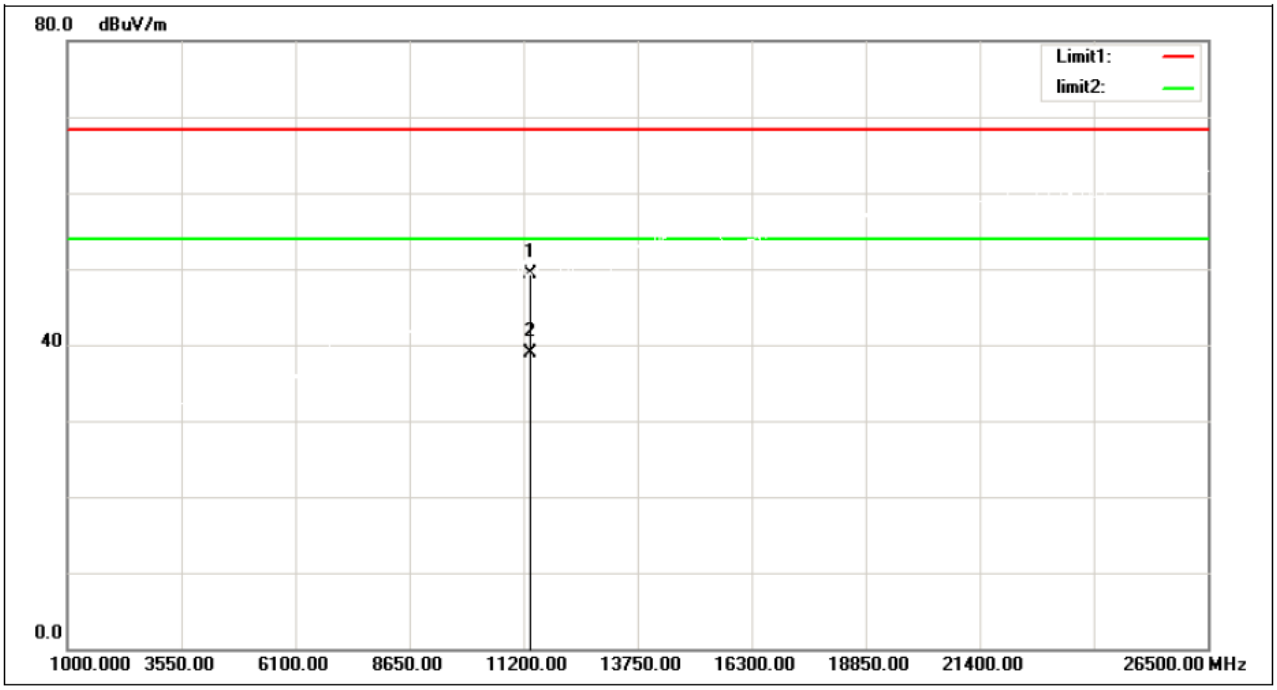
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11180.000	40.79	8.23	49.02	68.30	-19.28	peak
2	11180.000	29.93	8.23	38.16	54.00	-15.84	AVG

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

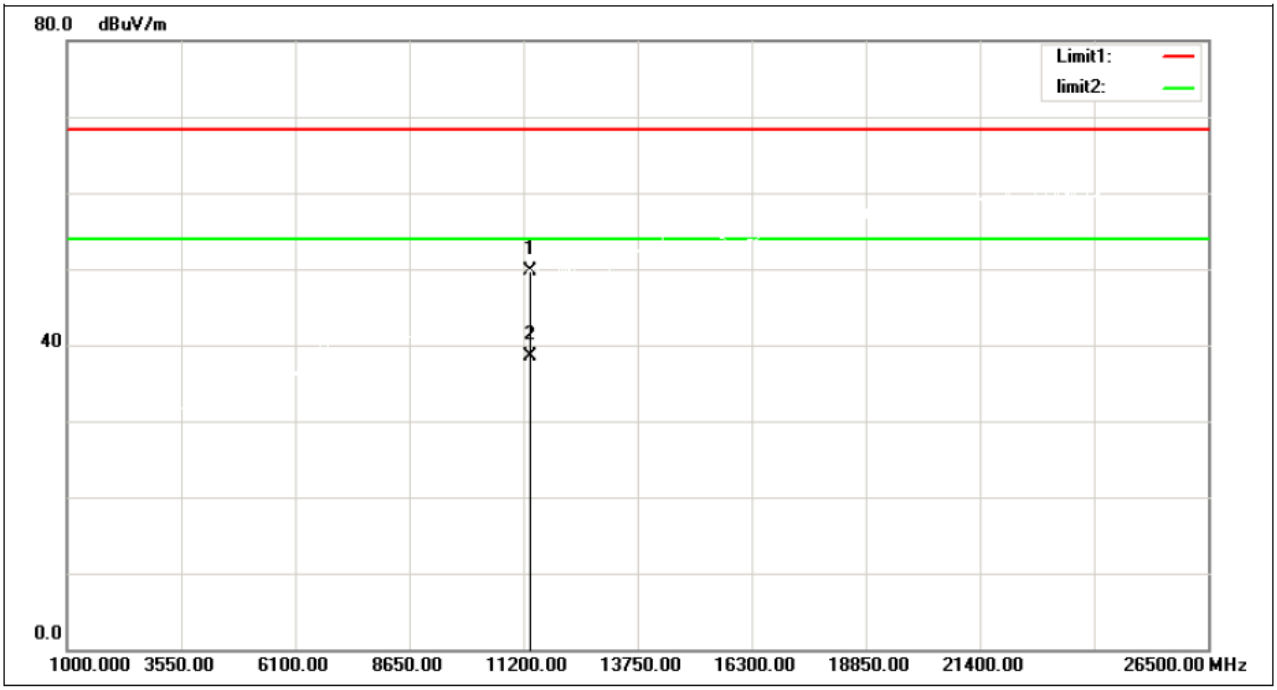
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11340.000	41.20	8.14	49.34	68.30	-18.96	peak
2	11340.000	30.80	8.14	38.94	54.00	-15.06	AVG

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

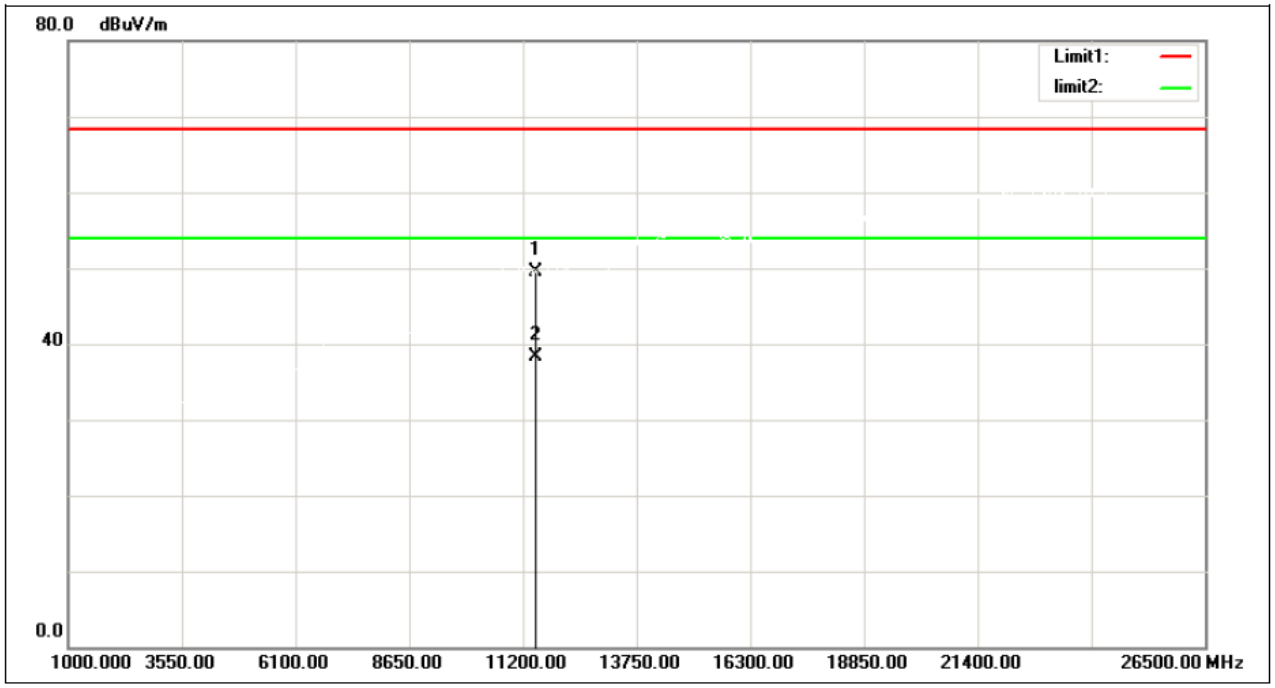
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11340.000	41.52	8.14	49.66	68.30	-18.64	peak
2	11340.000	30.32	8.14	38.46	54.00	-15.54	AVG

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

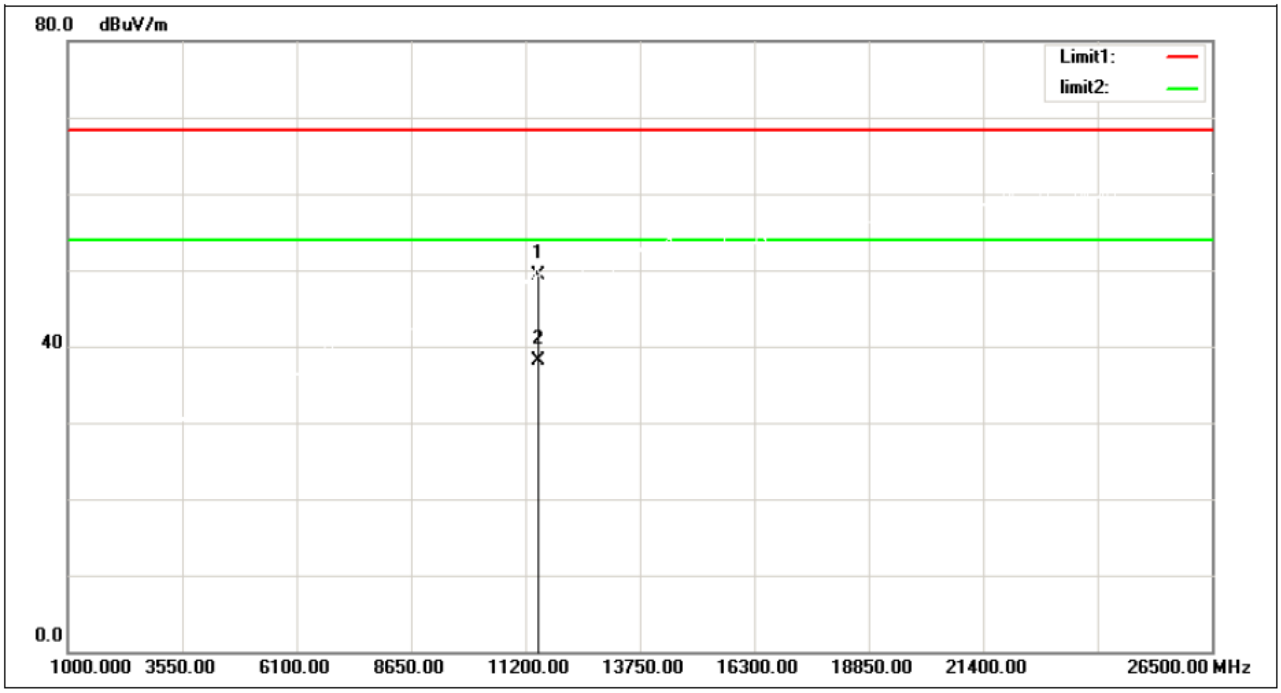
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11490.000	41.46	8.06	49.52	68.30	-18.78	peak
2	11490.000	30.22	8.06	38.28	54.00	-15.72	AVG

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

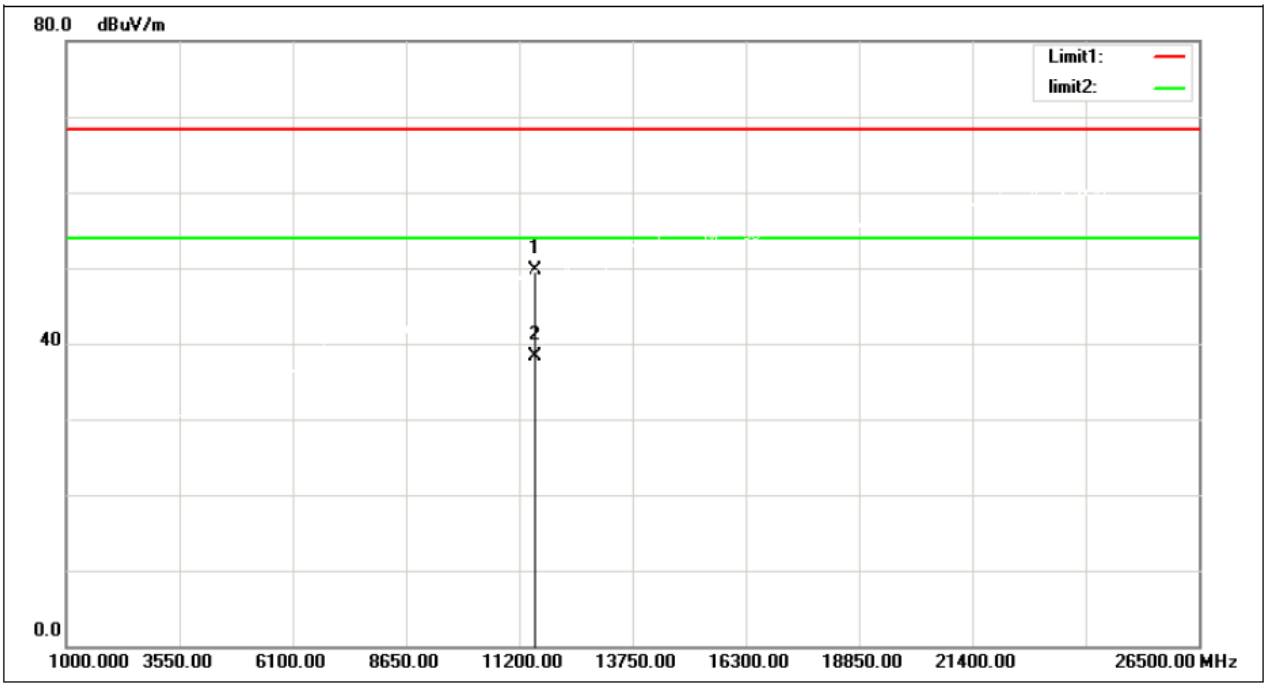
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	41.28	8.06	49.34	68.30	-18.96	peak
2	11490.000	30.10	8.06	38.16	54.00	-15.84	AVG

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

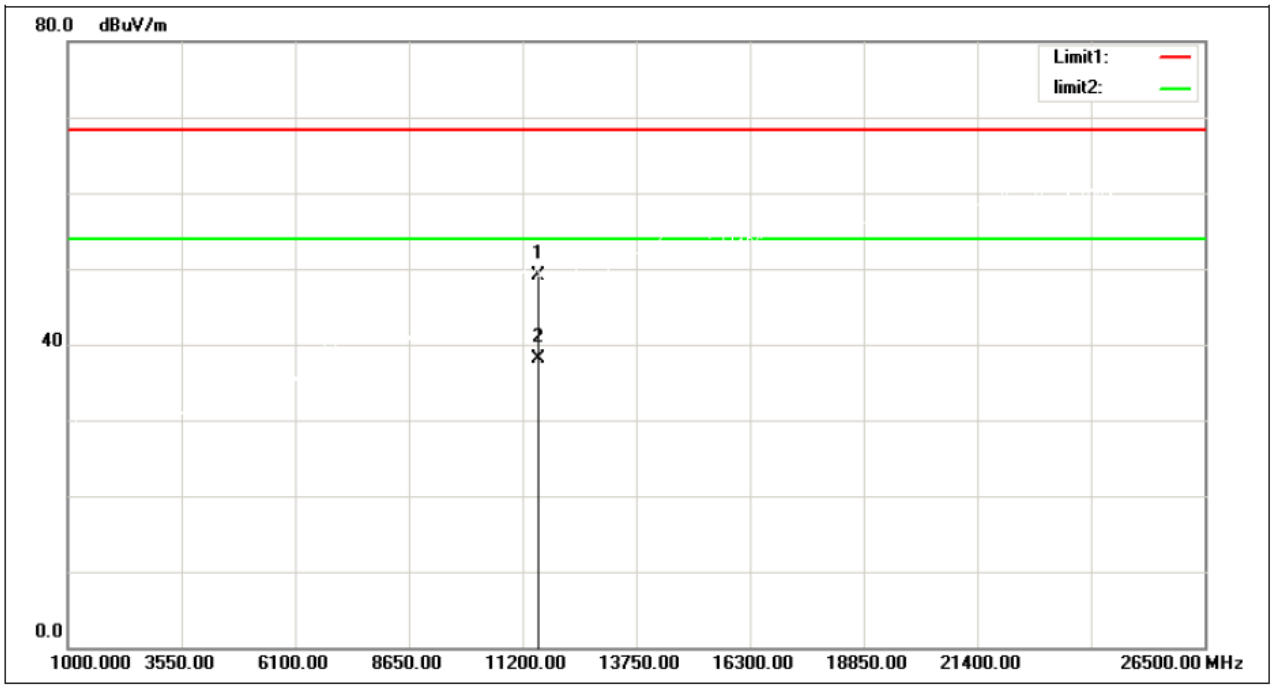
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11570.000	41.77	8.00	49.77	68.30	-18.53	peak
2	11570.000	30.39	8.00	38.39	54.00	-15.61	AVG

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

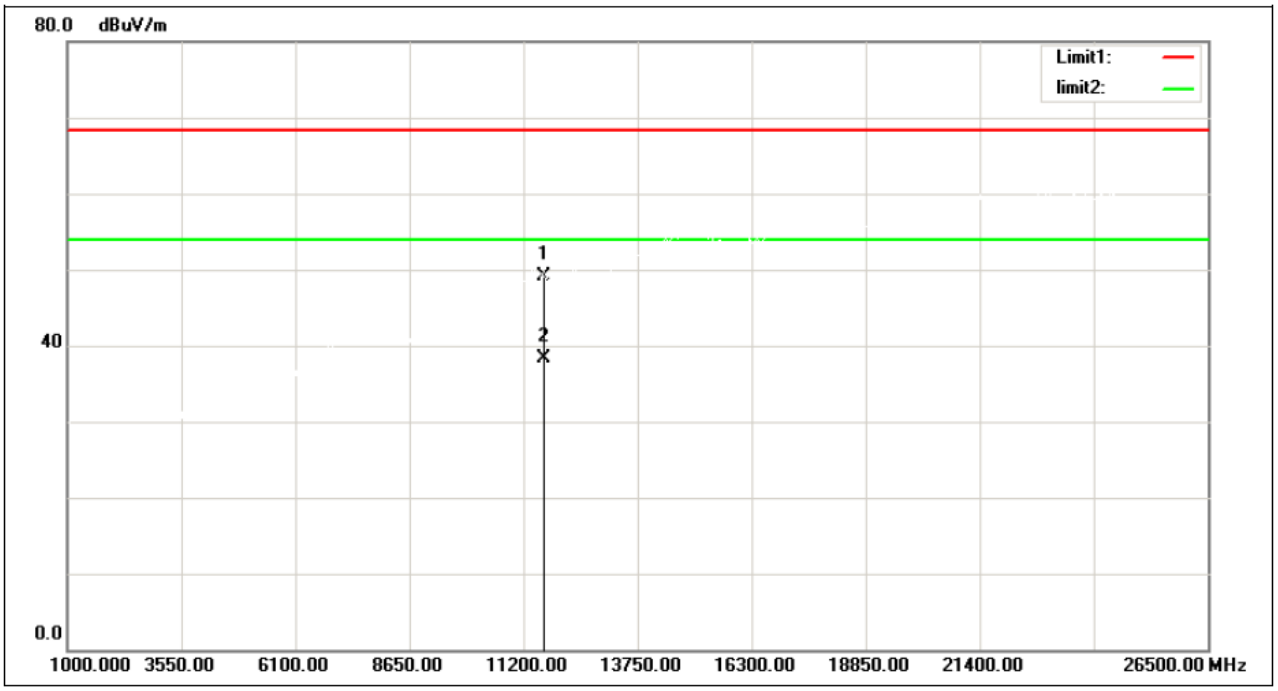
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11570.000	41.12	8.00	49.12	68.30	-19.18	peak
2	11570.000	30.06	8.00	38.06	54.00	-15.94	AVG

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

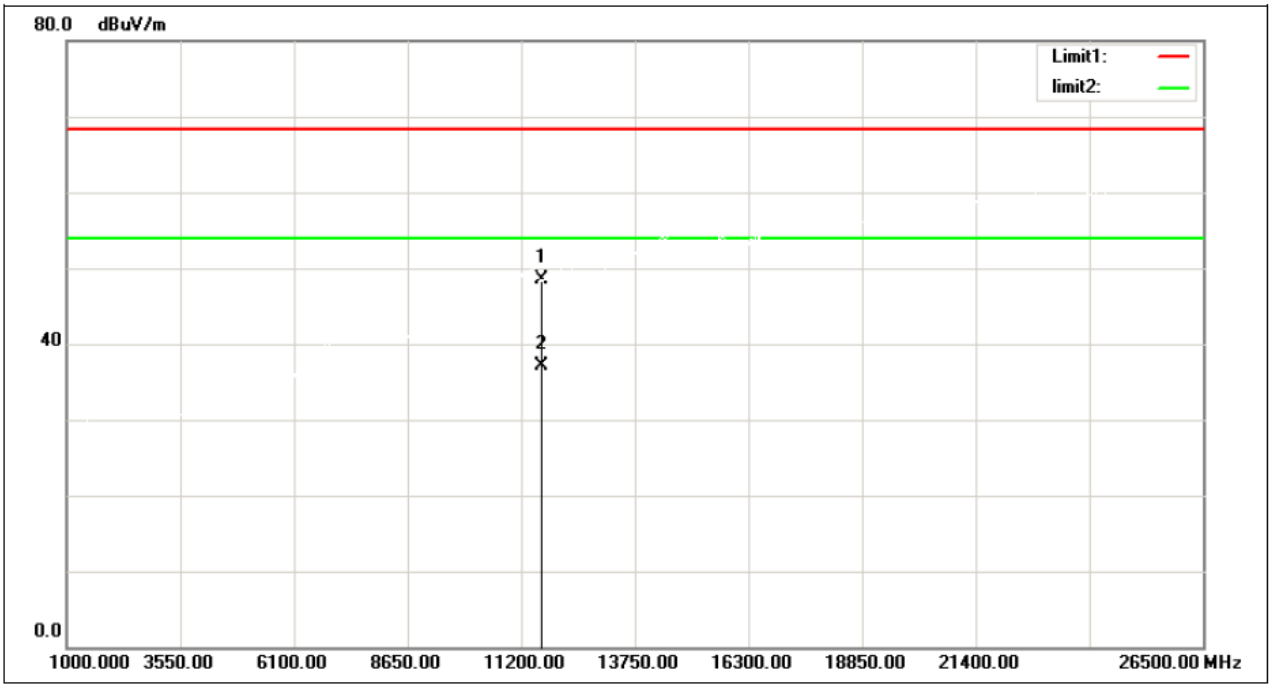
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11650.000	41.09	7.97	49.06	68.30	-19.24	peak
2	11650.000	30.24	7.97	38.21	54.00	-15.79	AVG

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

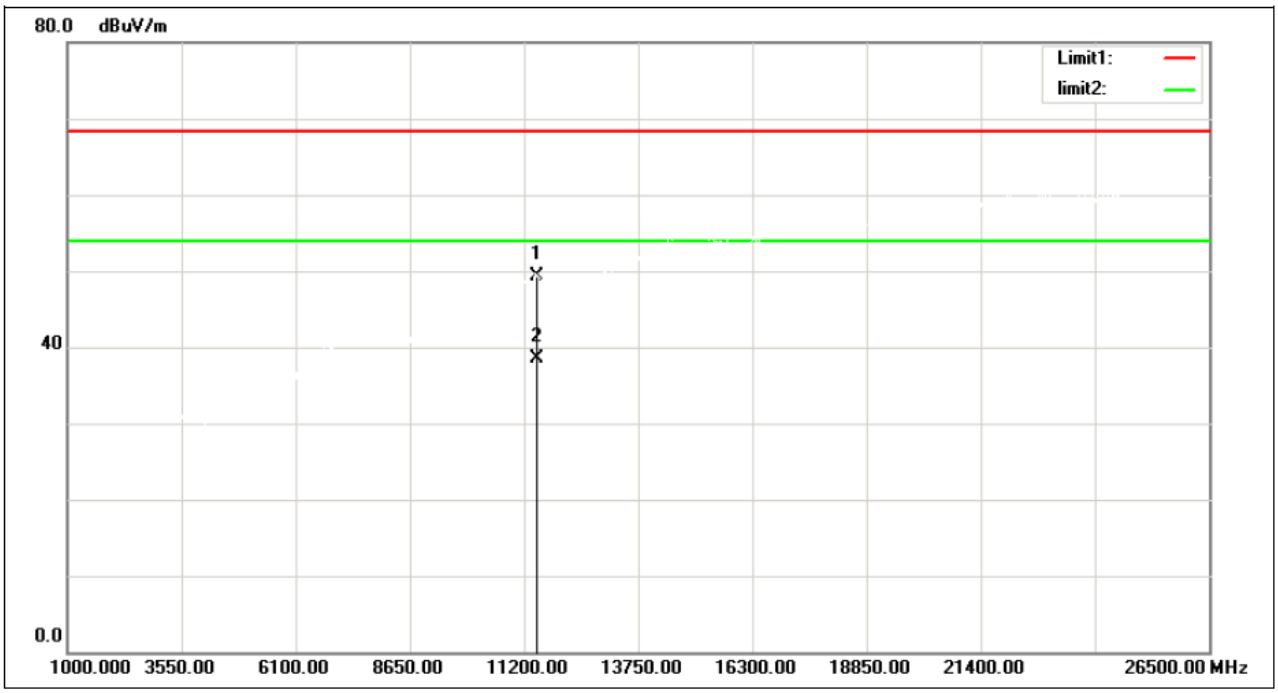
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11650.000	40.59	7.97	48.56	68.30	-19.74	peak
2	11650.000	29.15	7.97	37.12	54.00	-16.88	AVG

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

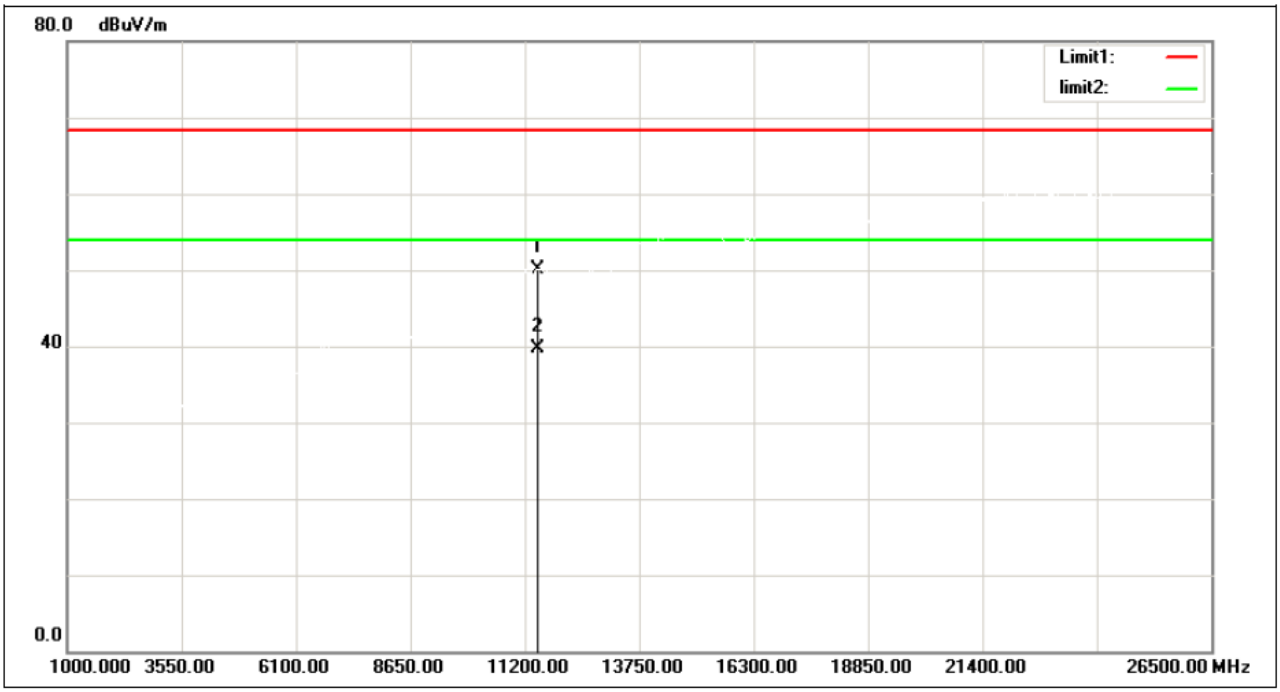
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	41.17	8.06	49.23	68.30	-19.07	peak
2	11490.000	30.46	8.06	38.52	54.00	-15.48	AVG

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

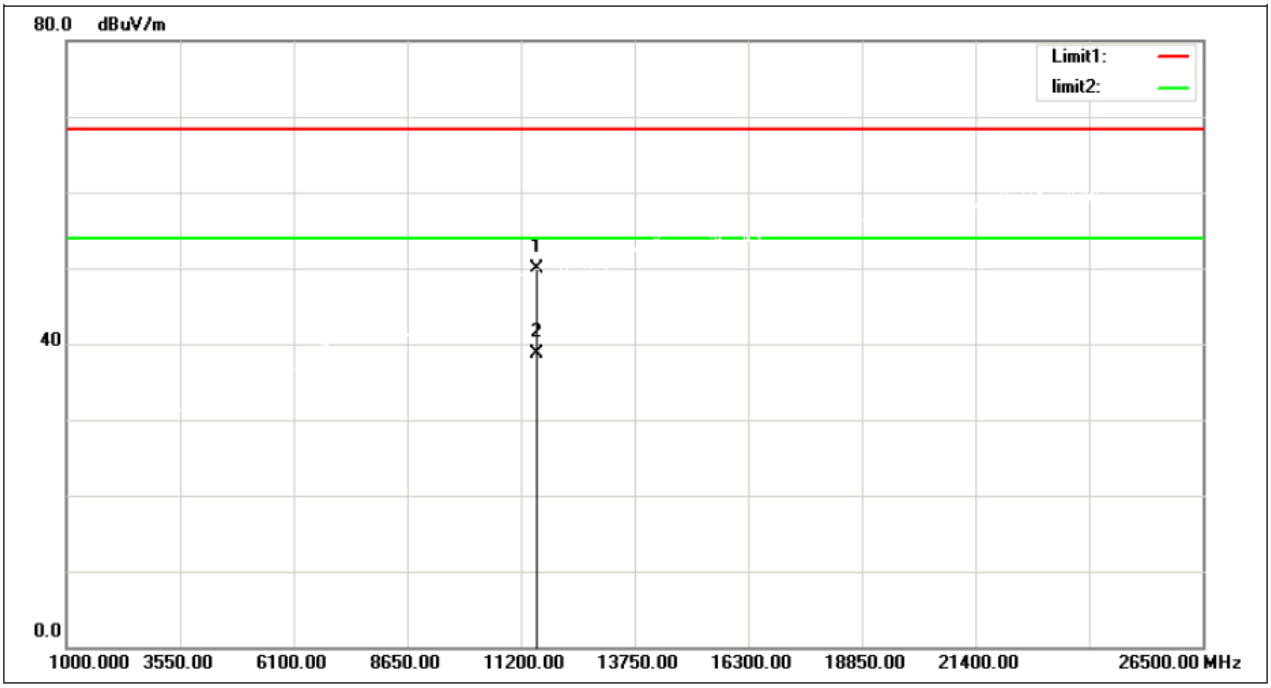
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11490.000	42.13	8.06	50.19	68.30	-18.11	peak
2	11490.000	31.57	8.06	39.63	54.00	-14.37	AVG

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

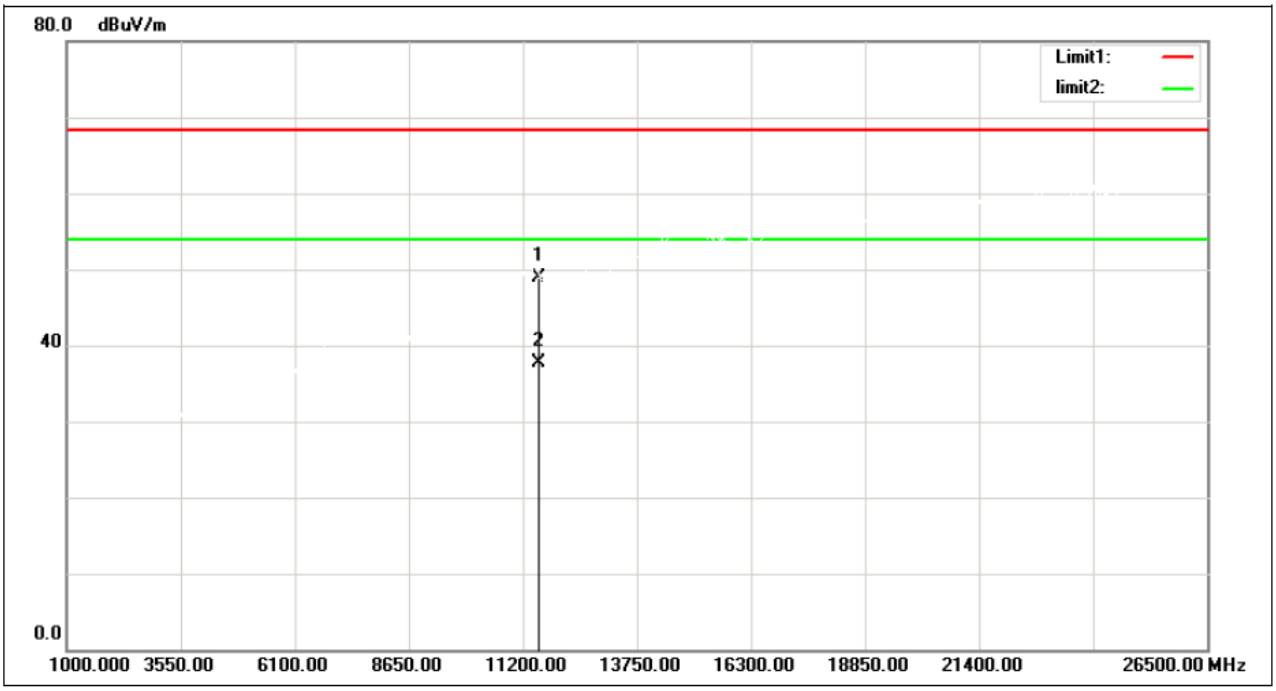
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11570.000	41.86	8.00	49.86	68.30	-18.44	peak
2	11570.000	30.67	8.00	38.67	54.00	-15.33	AVG

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

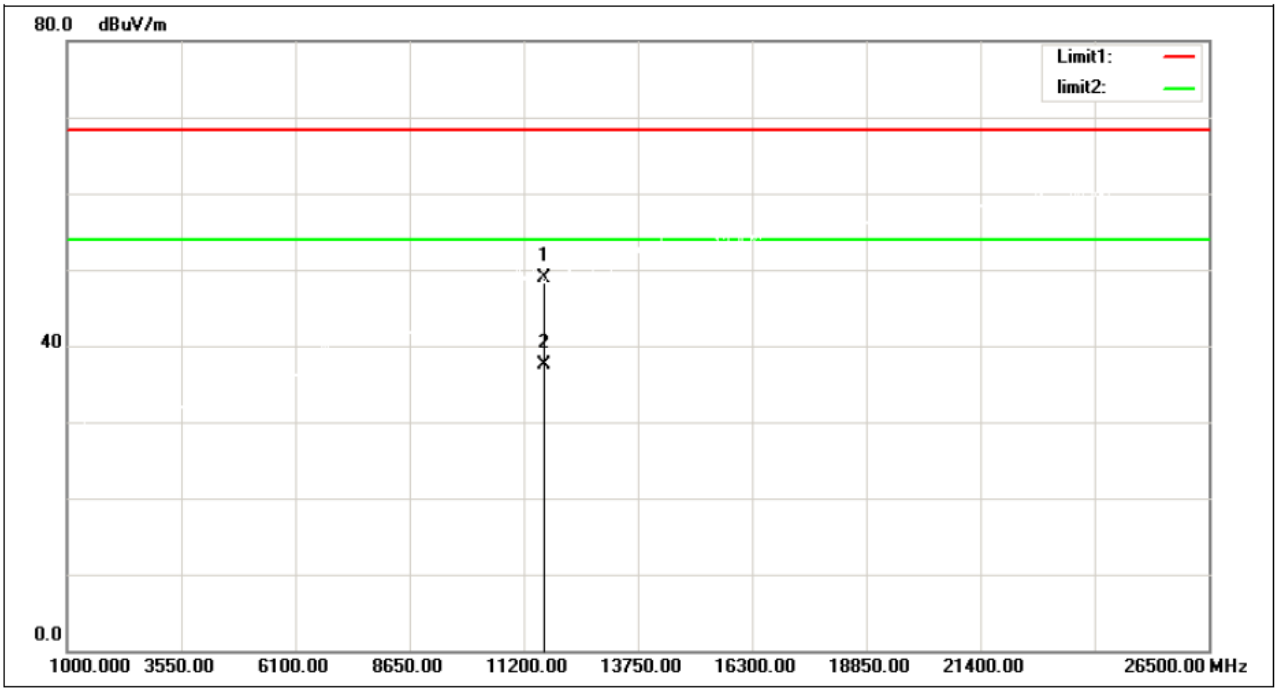
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11570.000	40.99	8.00	48.99	68.30	-19.31	peak
2	11570.000	29.65	8.00	37.65	54.00	-16.35	AVG

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

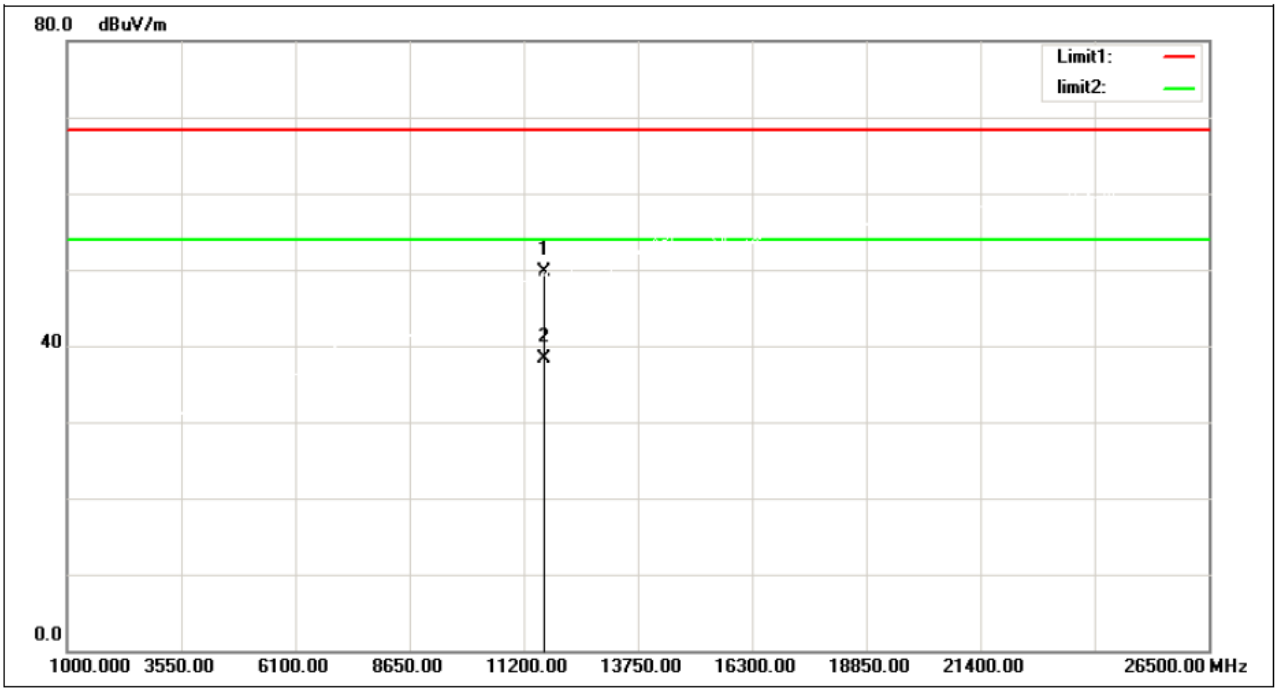
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11650.000	40.86	7.97	48.83	68.30	-19.47	peak
2	11650.000	29.52	7.97	37.49	54.00	-16.51	AVG

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

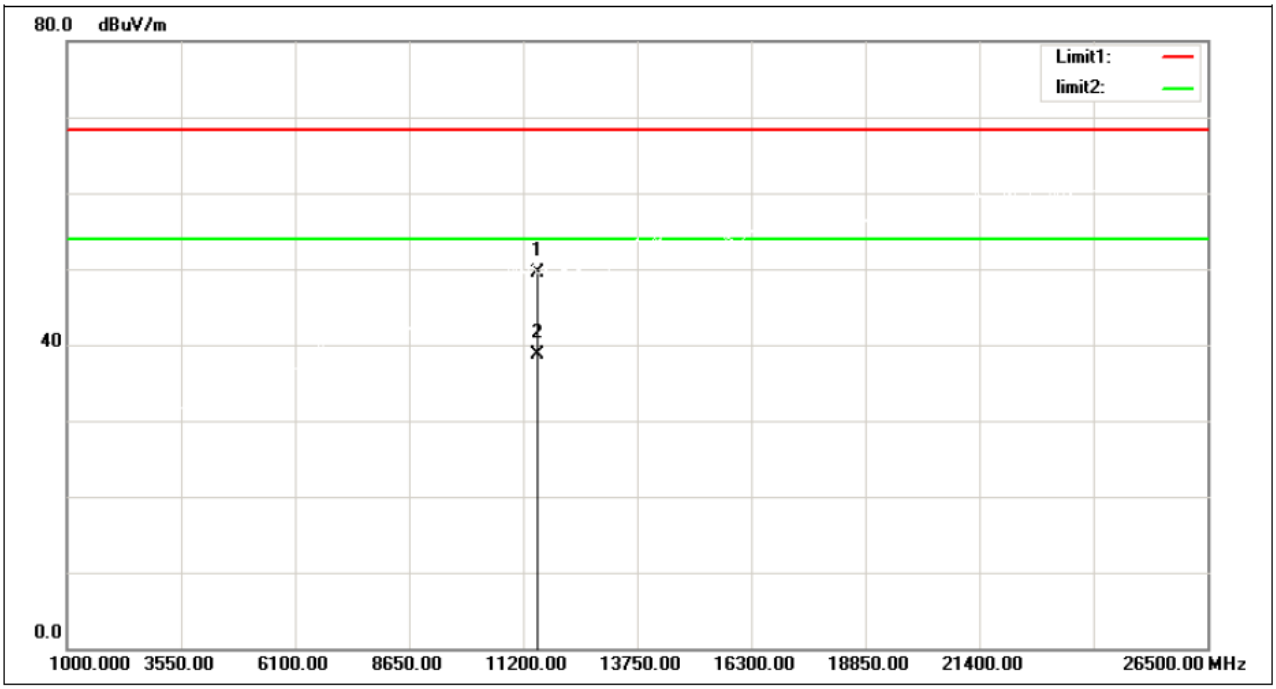
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	41.81	7.97	49.78	68.30	-18.52	peak
2	11650.000	30.32	7.97	38.29	54.00	-15.71	AVG

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

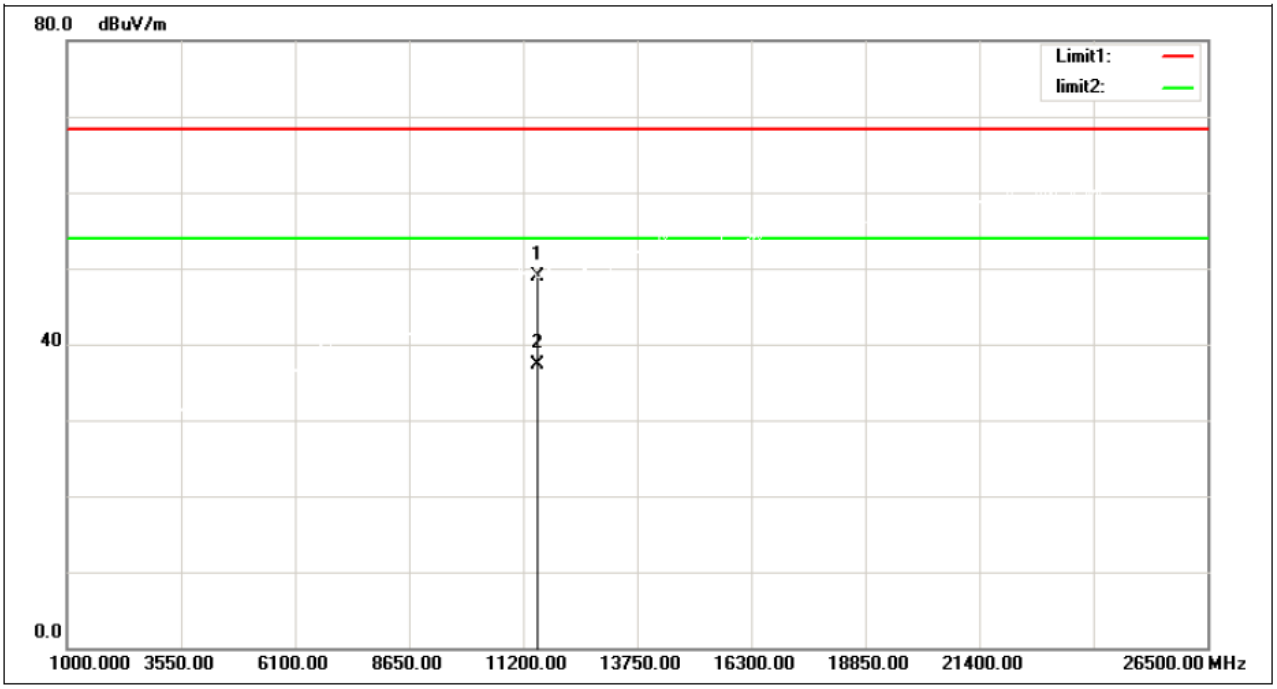
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11510.000	41.44	8.04	49.48	68.30	-18.82	peak
2	11510.000	30.60	8.04	38.64	54.00	-15.36	AVG

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

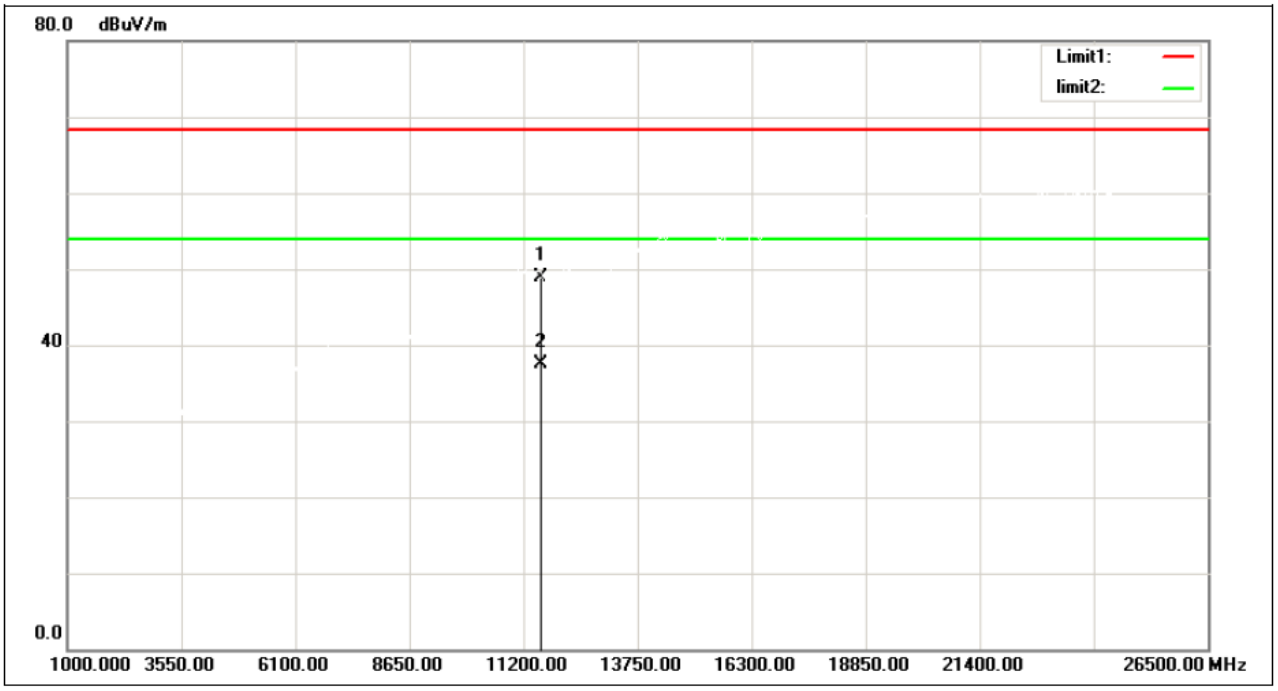
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	40.87	8.04	48.91	68.30	-19.39	peak
2	11510.000	29.22	8.04	37.26	54.00	-16.74	AVG

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

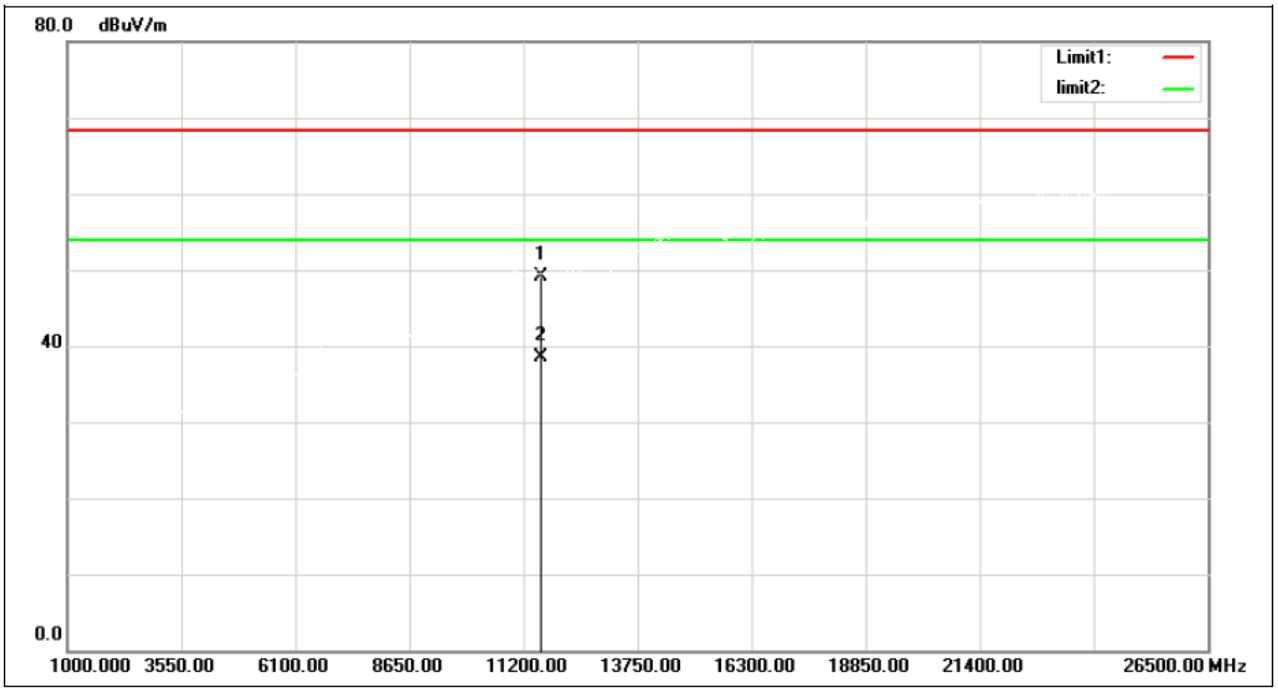
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	40.94	8.01	48.95	68.30	-19.35	peak
2	11590.000	29.55	8.01	37.56	54.00	-16.44	AVG

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

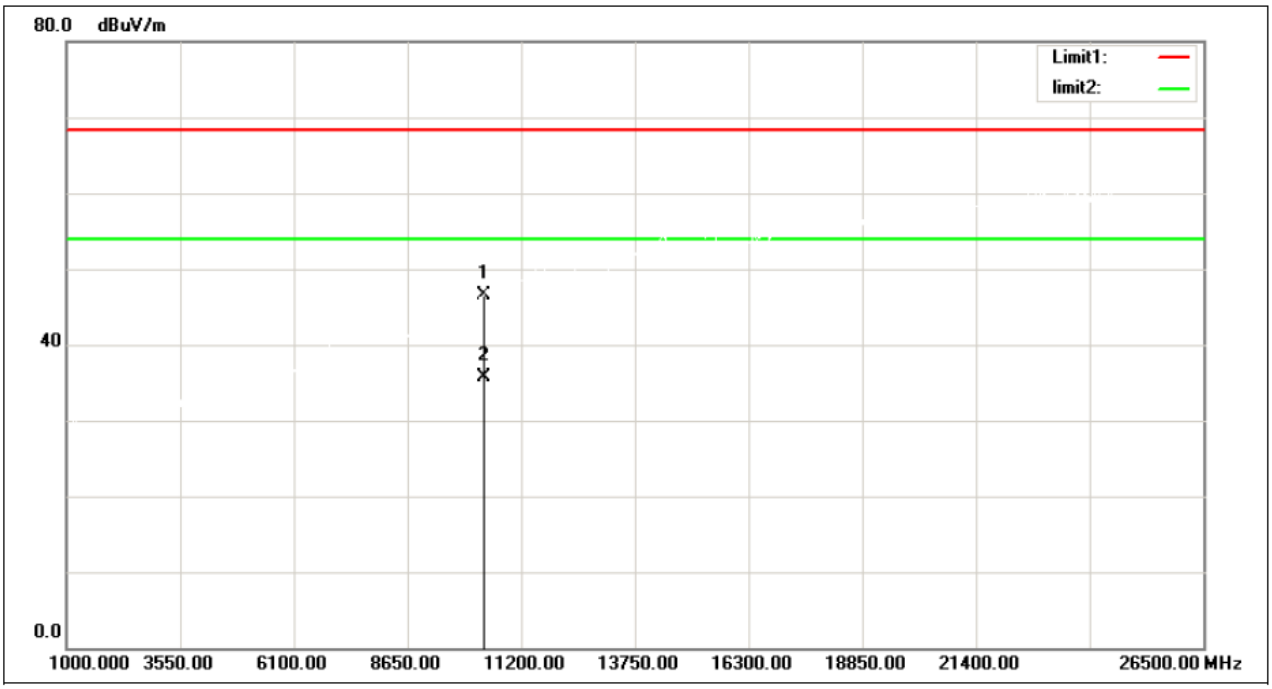
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11590.000	41.19	8.01	49.20	68.30	-19.10	peak
2	11590.000	30.47	8.01	38.48	54.00	-15.52	AVG

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

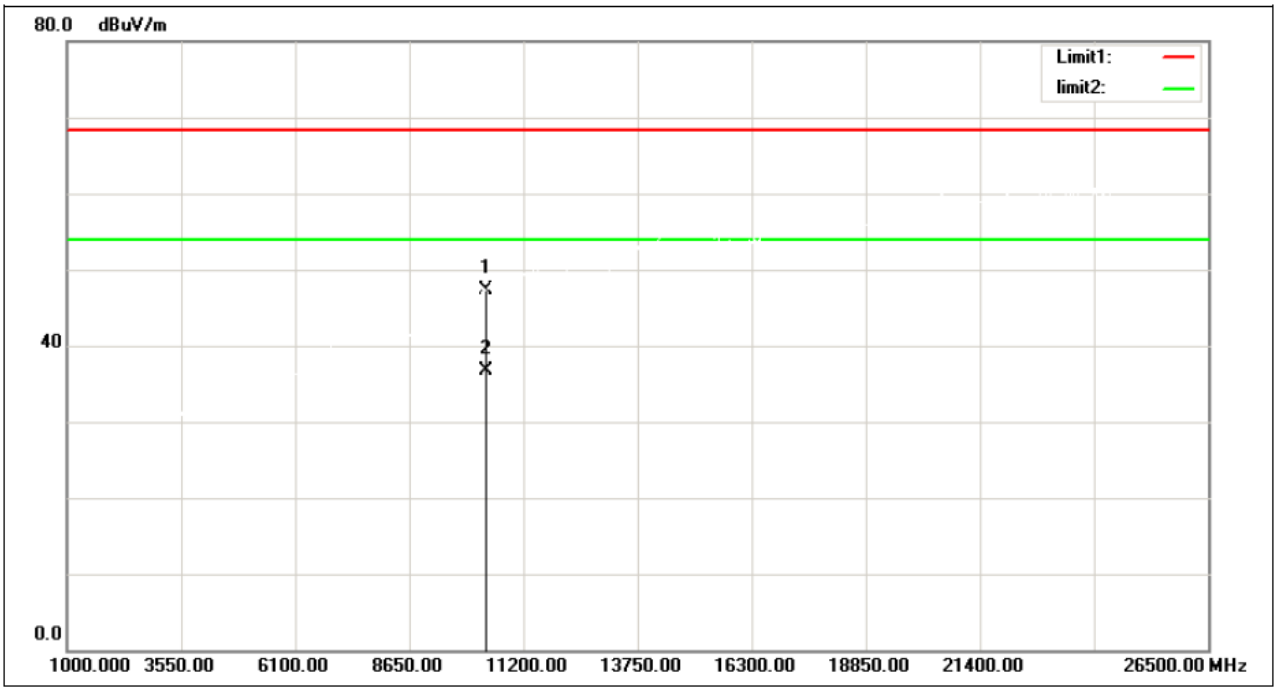
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	40.23	6.22	46.45	68.30	-21.85	peak
2	10360.000	29.46	6.22	35.68	54.00	-18.32	AVG

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

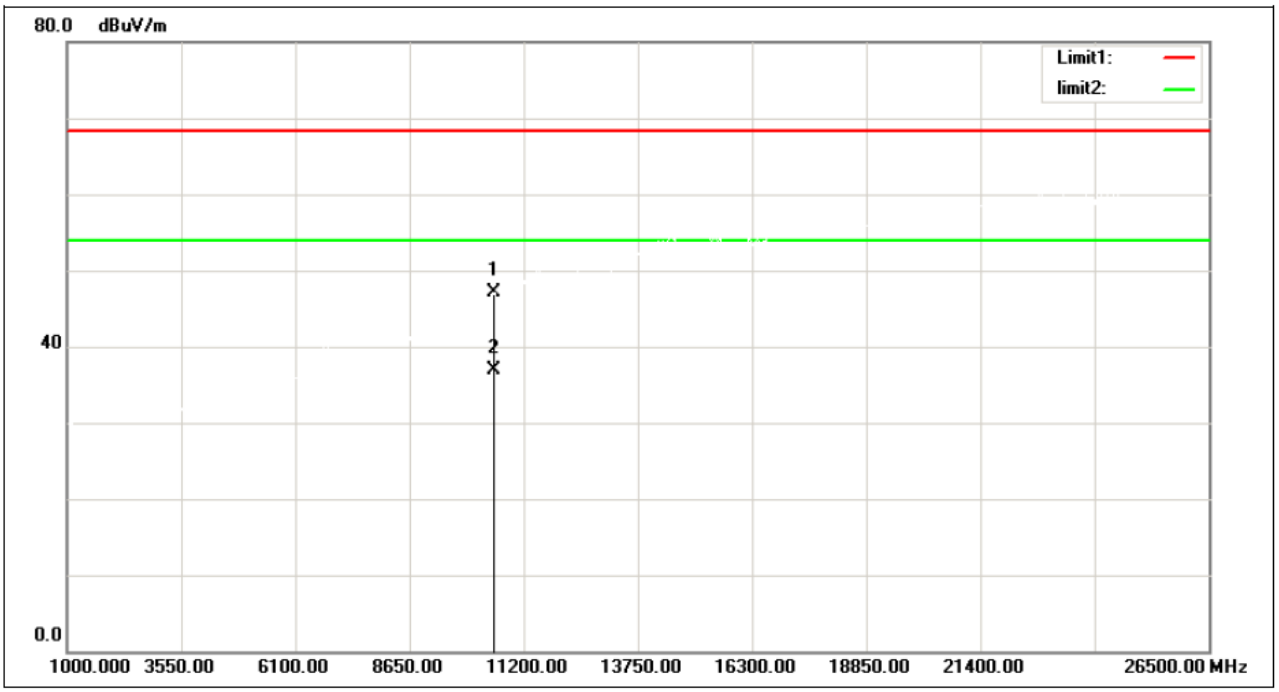
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	41.00	6.22	47.22	68.30	-21.08	peak
2	10360.000	30.53	6.22	36.75	54.00	-17.25	AVG

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT20) Mode 5260 MHz

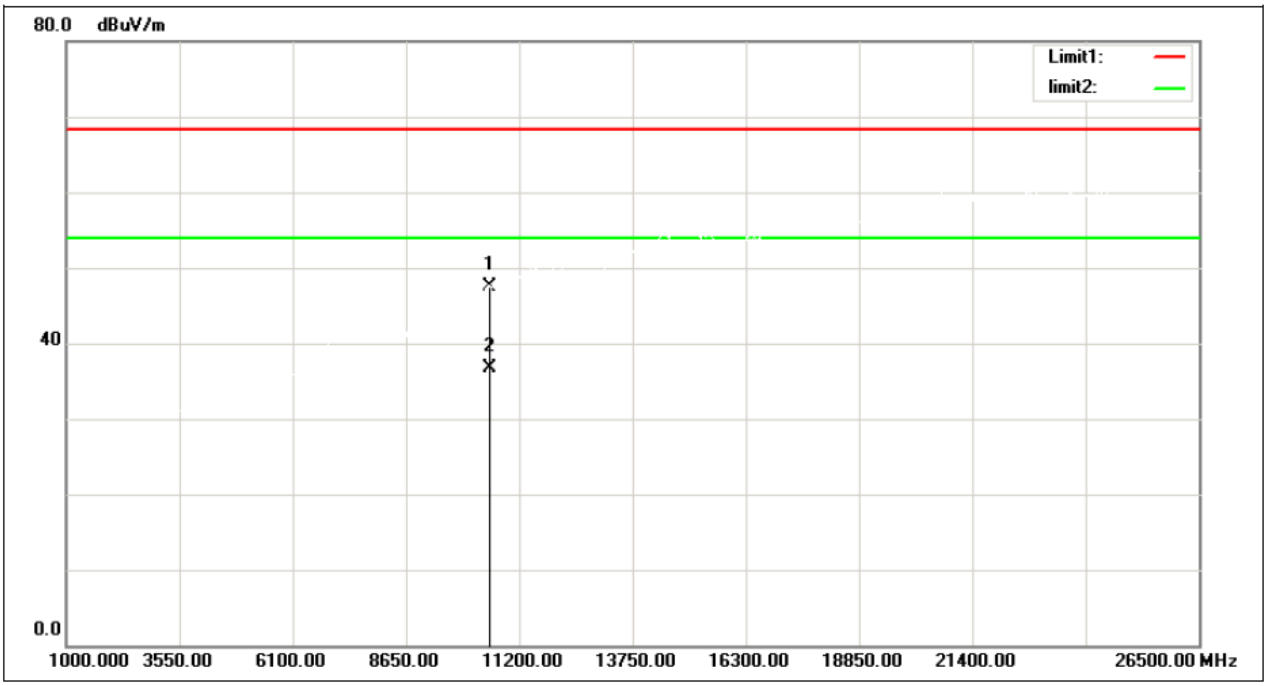
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10520.000	40.39	6.74	47.13	68.30	-21.17	peak
2	10520.000	30.17	6.74	36.91	54.00	-17.09	AVG

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT20) Mode 5260 MHz

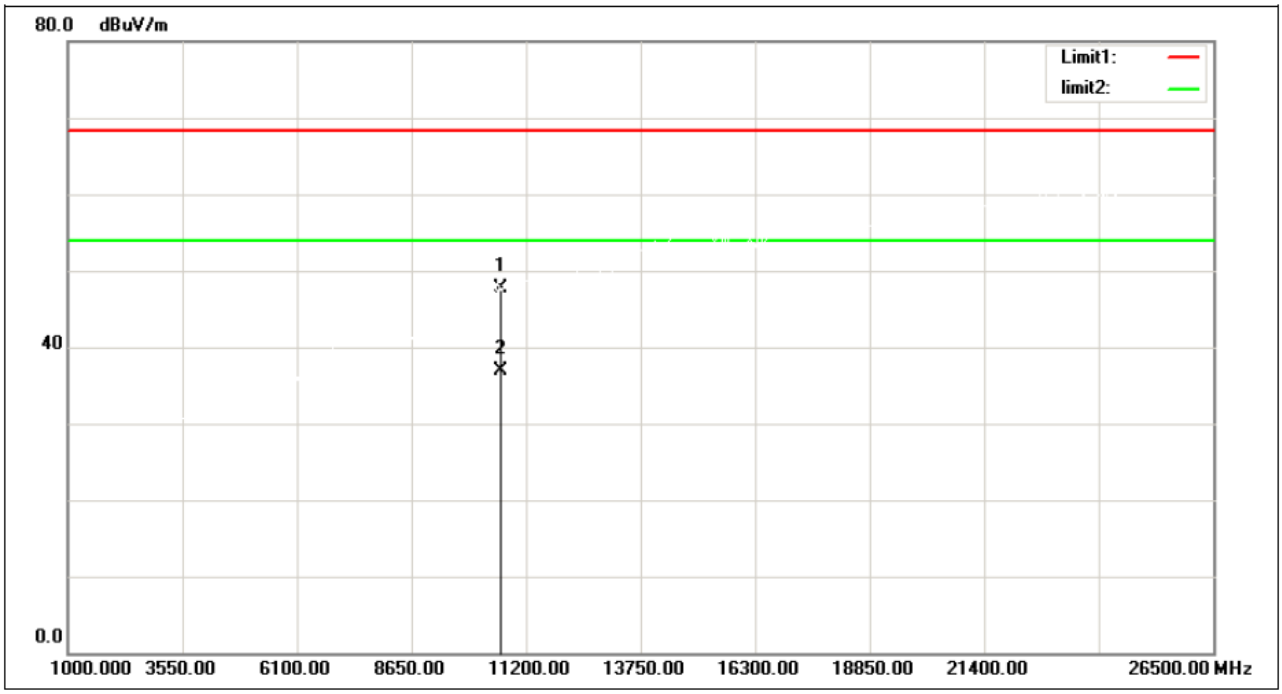
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10520.000	40.67	6.74	47.41	68.30	-20.89	peak
2	10520.000	30.04	6.74	36.78	54.00	-17.22	AVG

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

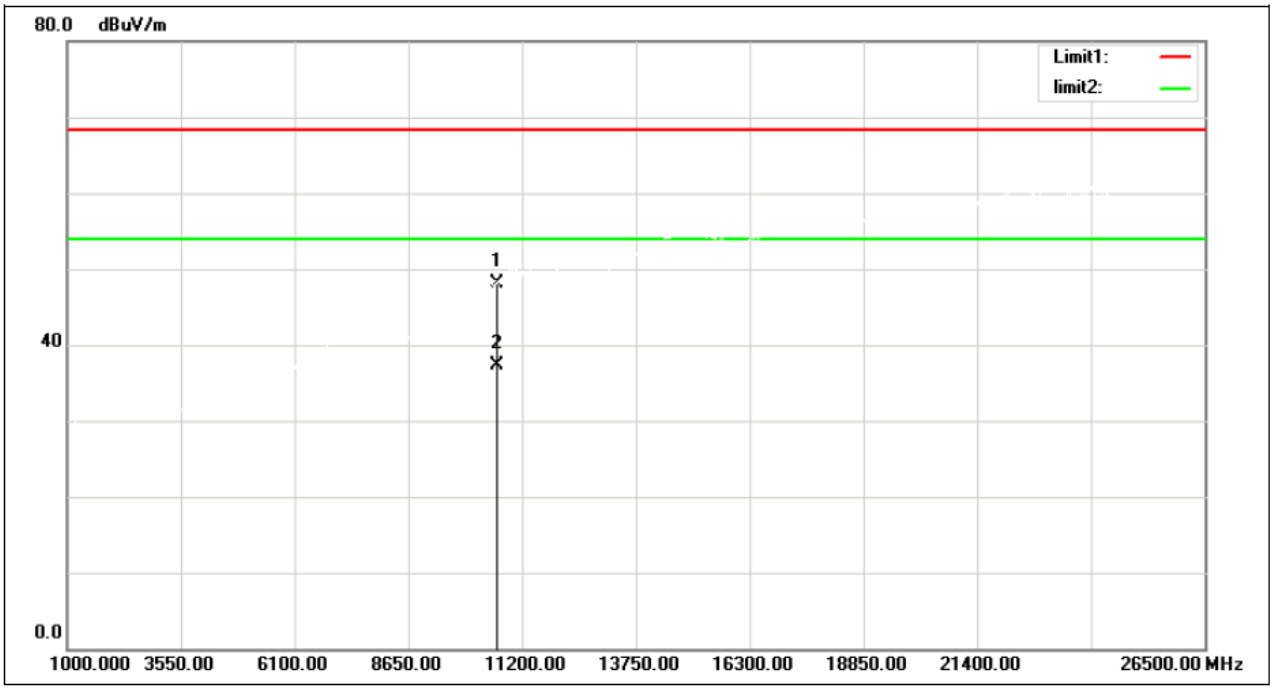
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	40.52	7.13	47.65	68.30	-20.65	peak
2	10640.000	29.74	7.13	36.87	54.00	-17.13	AVG

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

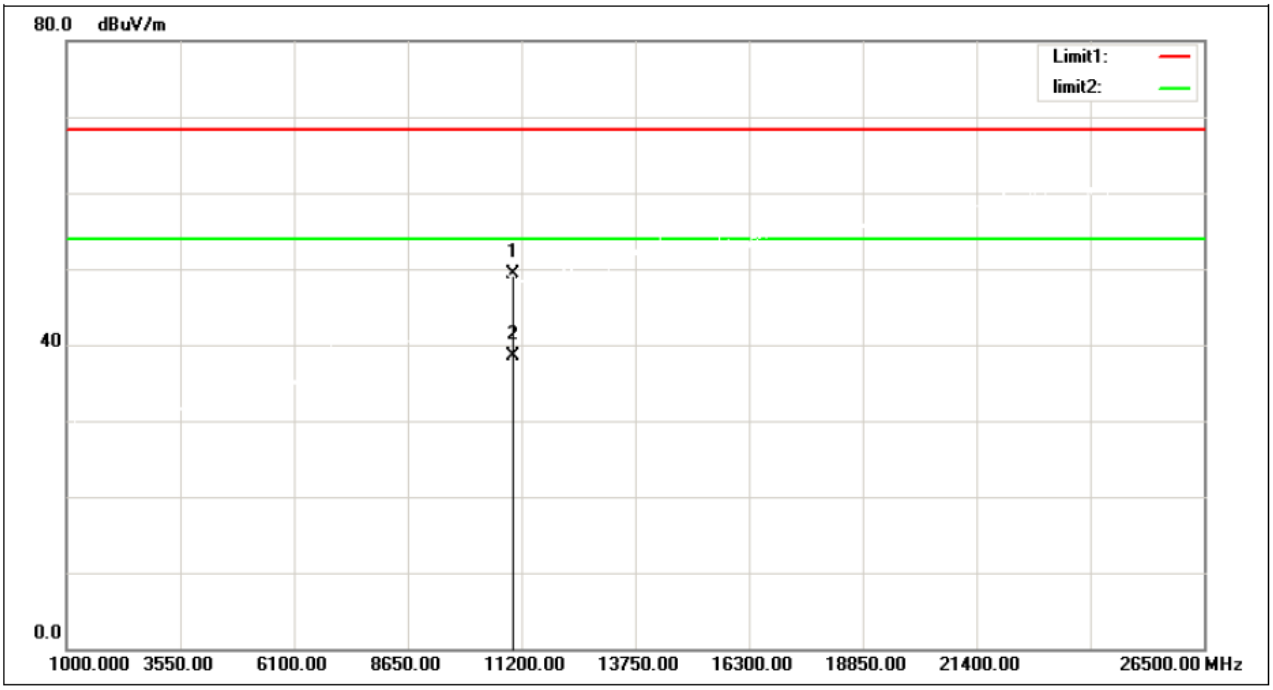
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	41.05	7.13	48.18	68.30	-20.12	peak
2	10640.000	30.16	7.13	37.29	54.00	-16.71	AVG

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

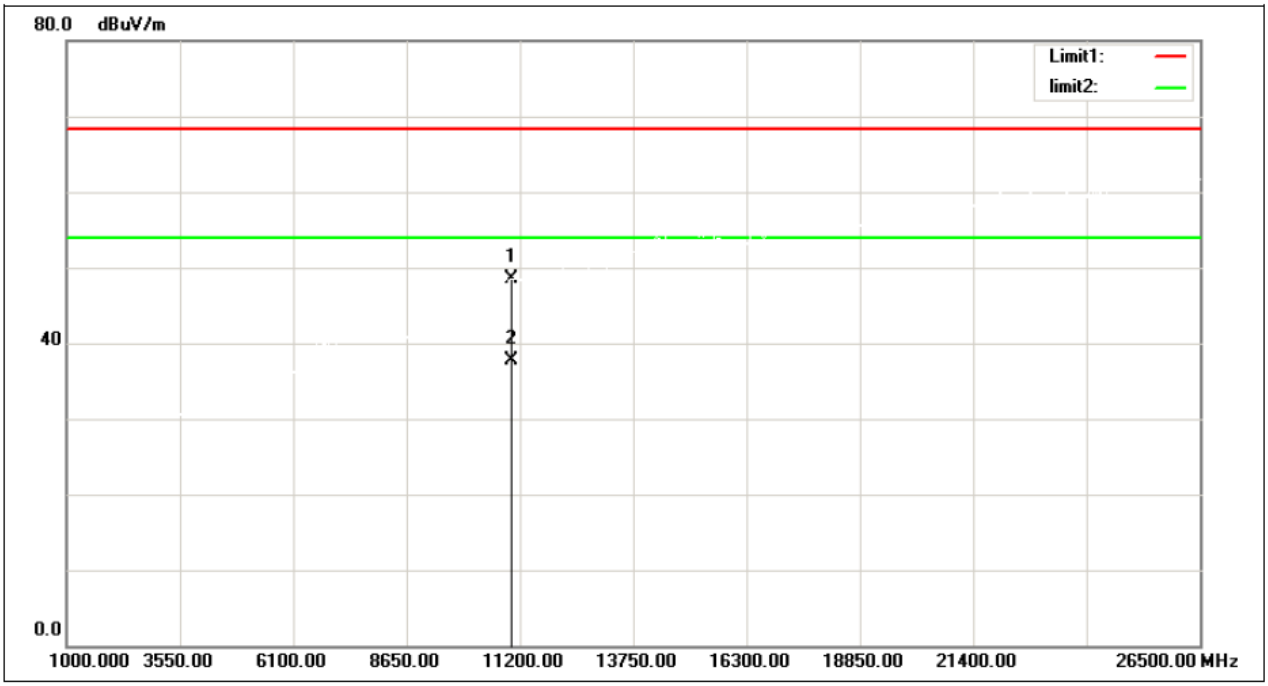
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	40.90	8.32	49.22	68.30	-19.08	peak
2	11000.000	30.22	8.32	38.54	54.00	-15.46	AVG

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

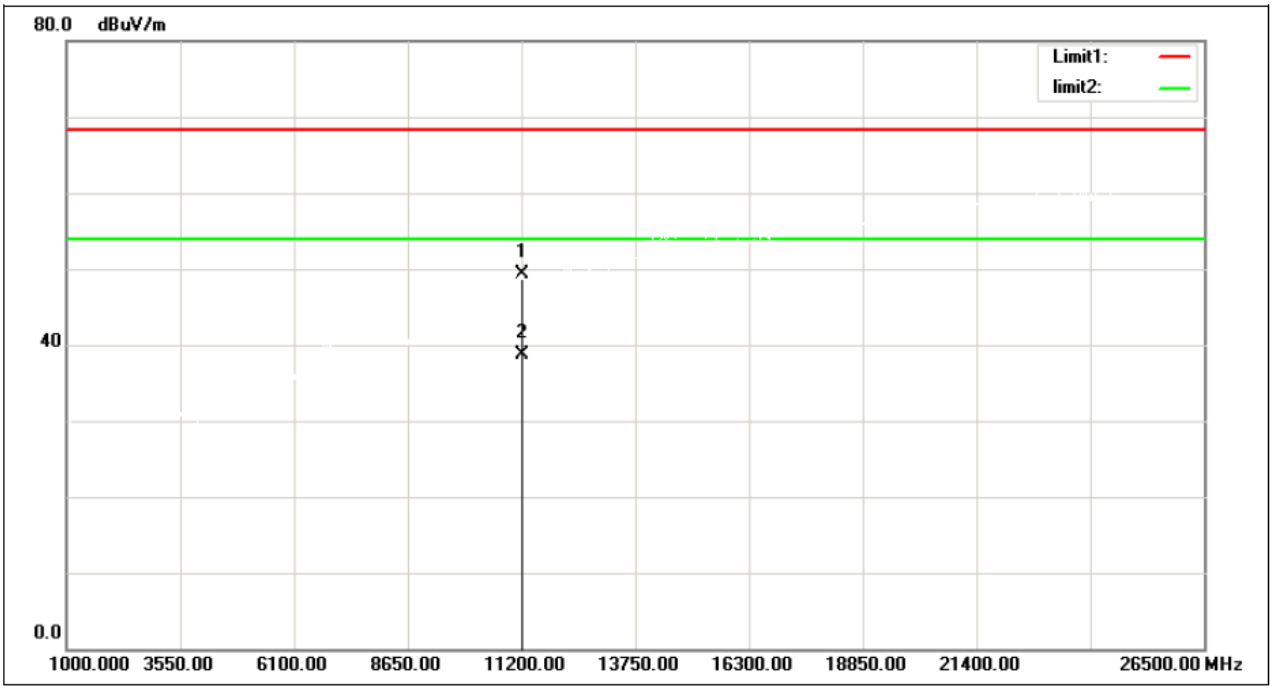
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11000.000	40.18	8.32	48.50	68.30	-19.80	peak
2	11000.000	29.33	8.32	37.65	54.00	-16.35	AVG

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT20) Mode 5600 MHz

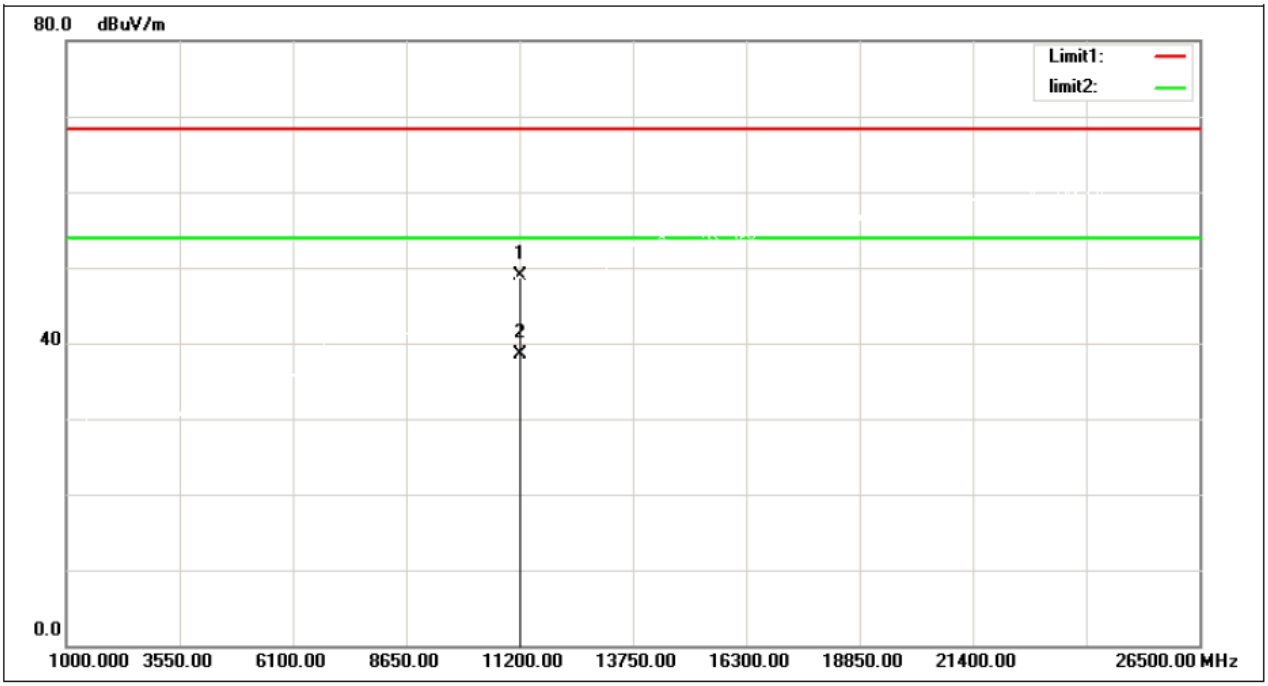
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11200.000	41.01	8.21	49.22	68.30	-19.08	peak
2	11200.000	30.44	8.21	38.65	54.00	-15.35	AVG

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT20) Mode 5600 MHz

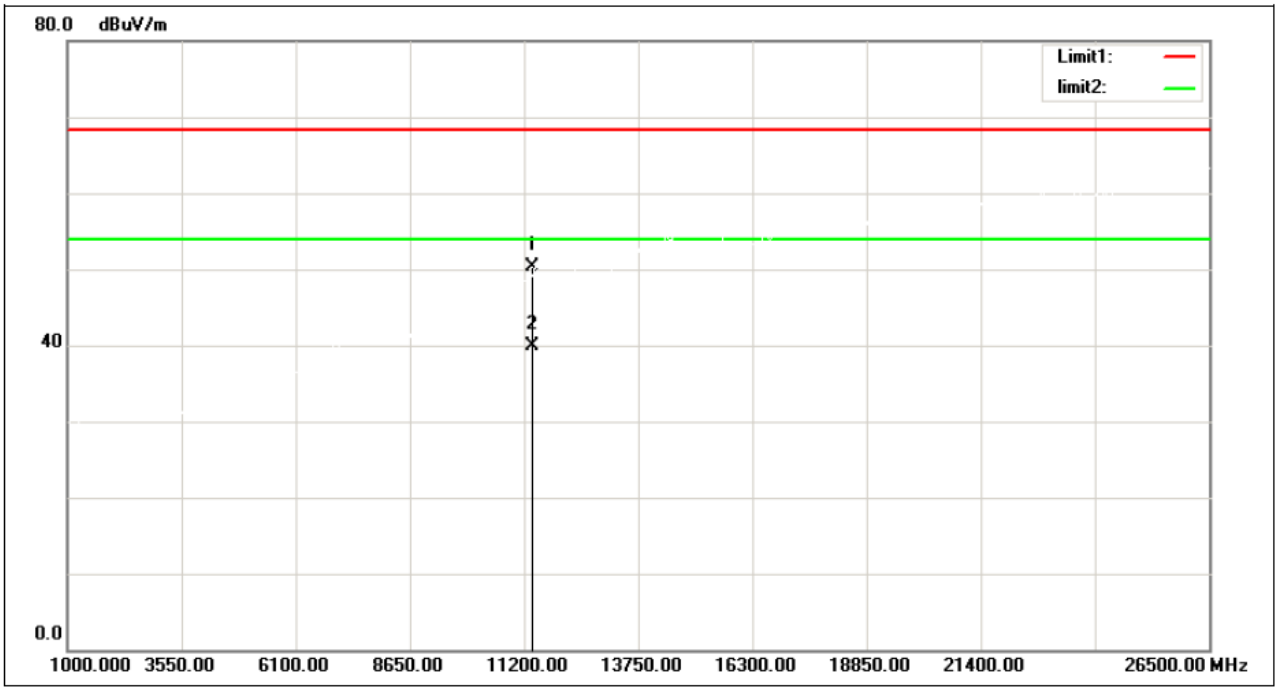
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11200.000	40.79	8.21	49.00	68.30	-19.30	peak
2	11200.000	30.31	8.21	38.52	54.00	-15.48	AVG

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

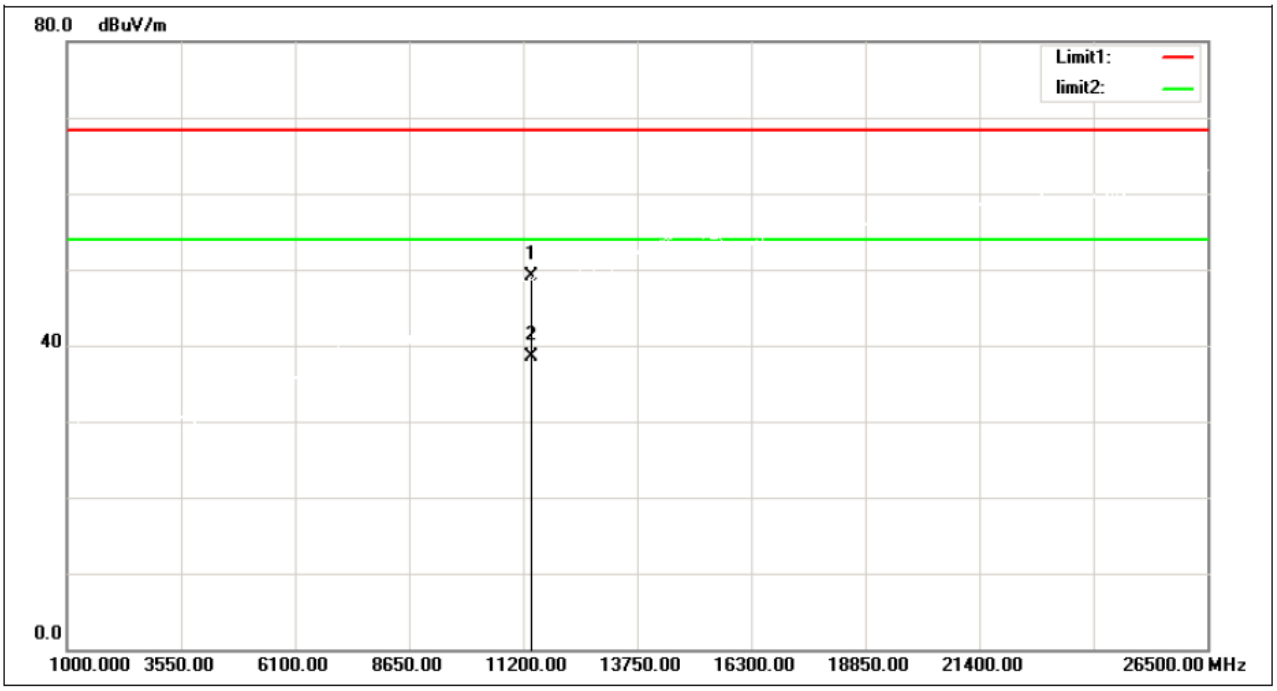
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11400.000	42.11	8.10	50.21	68.30	-18.09	peak
2	11400.000	31.72	8.10	39.82	54.00	-14.18	AVG

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

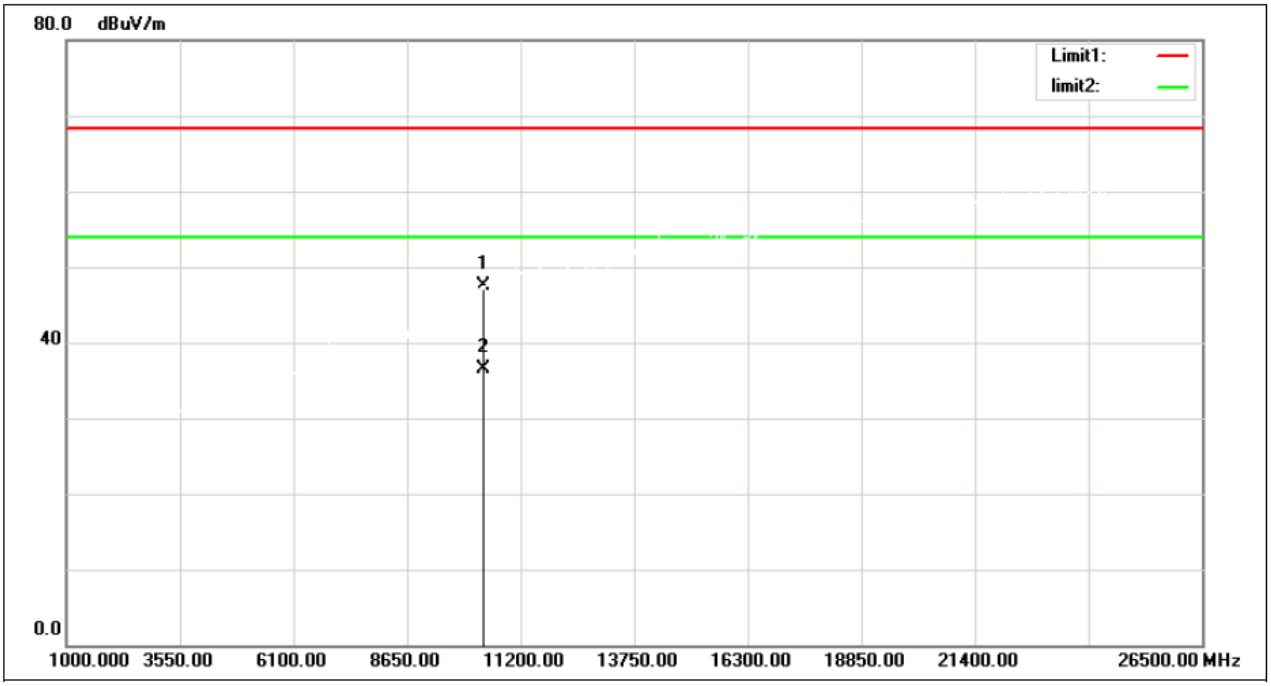
Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11400.000	40.99	8.10	49.09	68.30	-19.21	peak
2	11400.000	30.31	8.10	38.41	54.00	-15.59	AVG

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

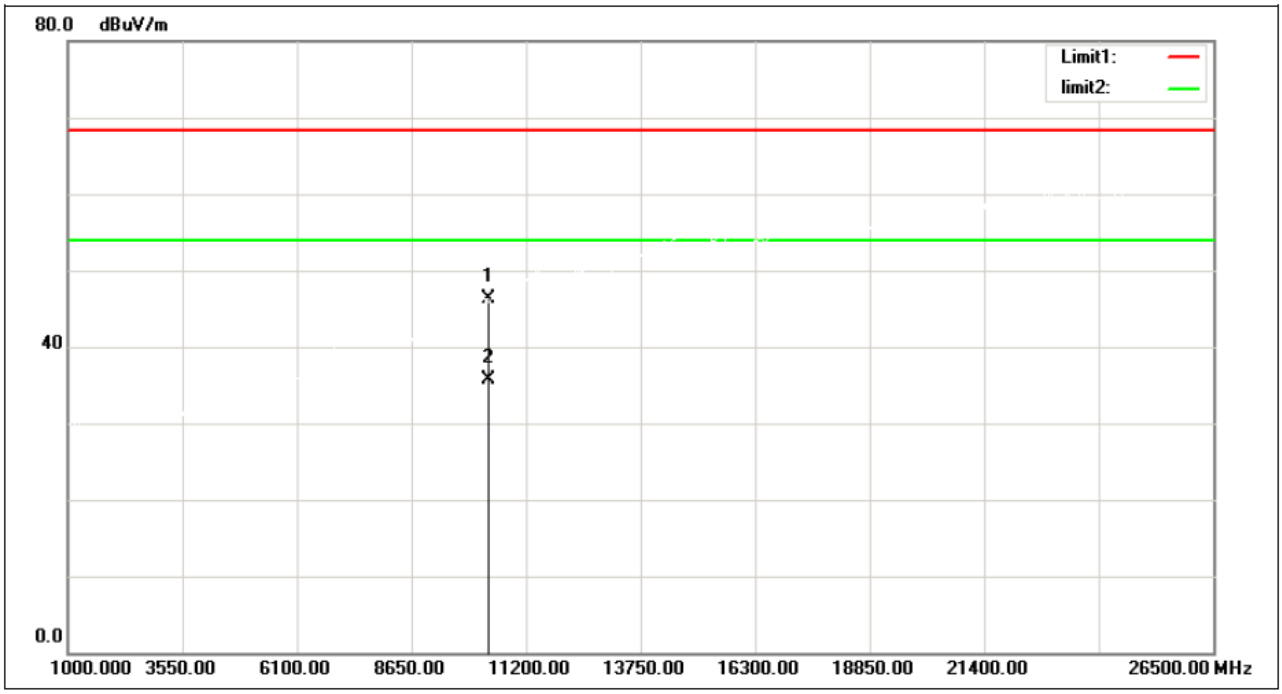
Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	41.16	6.28	47.44	68.30	-20.86	peak
2	10380.000	30.31	6.28	36.59	54.00	-17.41	AVG

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

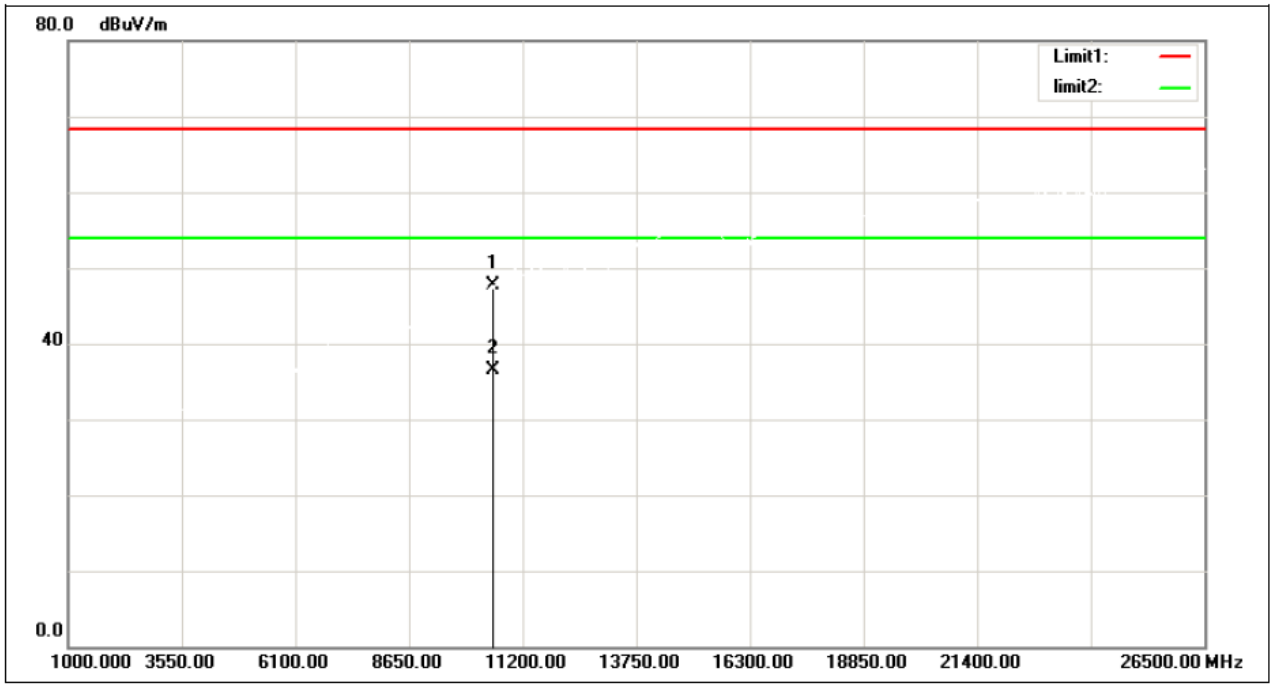
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	39.97	6.28	46.25	68.30	-22.05	peak
2	10380.000	29.40	6.28	35.68	54.00	-18.32	AVG

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT40) Mode 5270 MHz

Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10540.000	40.91	6.80	47.71	68.30	-20.59	peak
2	10540.000	29.74	6.80	36.54	54.00	-17.46	AVG