RF Test Report

Applicant	:	Delta Electronics, Inc.
Product Name	:	802.11ax enterprise access point
Trade Name	:	DELTA
Model Number	:	AP-623E
Applicable Standard	:	FCC 47 CFR PART 15 SUBPART E ANSI C63.10:2013
Received Date	:	May 05, 2025
Test Period	:	May 21, 2025 ~ Aug. 09, 2025
Issued Date	:	Aug. 19, 2025

Issued by

Eurofins E&E Wireless Taiwan Co., Ltd.
No. 140-1, Changan Street, Bade District,
Taoyuan City, Taiwan (R.O.C.)
Tel：+886-3-2710188 / Fax：+886-3-2710190

Testing Laboratory
1330

Taiwan Accreditation Foundation accreditation number: 1330
Frequency Range : 9 kHz to 40 GHz
Test Firm Registration Number: 226252 (Bade test site)
Test Firm Registration Number: 191812 (Wugu test site)

Note:
1.The test results are valid only for samples provided by customers and under the test conditions described in this report.
2.This report shall not be reproduced except in full, without the written approval of Eurofins E&E Wireless Taiwan Co., Ltd.
3.The relevant information is provided by customers in this test report. According to the correctness, appropriateness or completeness of the information provided by the customer, if there is any doubt or error in the information which affects the validity of the test results, the laboratory does not take the responsibility.

Revision History

Rev.	Issued Date	Description	Revised By
00	Aug. 19, 2025	Initial Issue	Rowan Hsieh

Verification of Compliance

Applicant	:	Delta Electronics, Inc.
Product Name	:	802.11ax enterprise access point
Trade Name	:	DELTA
Model Number	:	AP-623E
FCC ID	:	PD5-AP623E
Applicable Standard	:	FCC 47 CFR PART 15 SUBPART E ANSI C63.10:2013
Test Result	:	Complied
Issued By	:	Eurofins E&E Wireless Taiwan Co., Ltd. No. 140-1, Changan Street, Bade District, Taoyuan City, Taiwan (R.O.C.) Tel：+886-3-2710188 / Fax：+886-3-2710190 Taiwan Accreditation Foundation accreditation number: 1330

Testing Laboratory 1330

Eurofins E&E Wireless Taiwan Co., Ltd. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by Eurofins E&E Wireless Taiwan Co., Ltd. based on interpretations and/or observations of test results. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Approved By : Kai Yu Yang

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1 General Information

1.1. Summary of Test Result

Standard	Item	Result	Remark
15.207	AC Power Conducted Emission	PASS	---
15.407(b) 15.205 / 15.209	Transmitter Radiated Emissions	PASS	---
15.407(a)	Maximum Output Power	PASS	---
15.407(a)	Emission Bandwidth	PASS	---
15.407(a)	Maximum Power Spectral Density	PASS	---
15.407(b)	In-Band Emission (Mask)	PASS	---
15.407(g)	Frequency Stability	PASS	---
15.407(d)	Contention based Protocol	PASS	---
15.407(d)	Operational restrictions for 6 GHz U-NII devices	PASS	Note 2
15.407(a)	Dual Client Proper Power Adjustment	N/A	Note 3
15.407(a)	Proper Power Adjustment, Client Devices Connected to a Standard Power Access Point	N/A	Note 3
15.407(d)	Transmit Power Control, Very Low Power Devices	N/A	Note 3
15.407(c)	Automatically discontinue transmission	PASS	---
15.203	Antenna Requirement	PASS	---

Note 1: The above test items refer to the test standards

Note 2: Declaration by applicant

Note 3: Device associates with low power indoor AP only

Decision Rule

■ Uncertainty is not included.

□ Uncertainty is included.

Standard	Description
CFR47, Part 15, Subpart E	Unlicensed National Information Infrastructure Devices
ANSI C63. 10: 2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
KDB789033 D02 v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
KDB 662911 D01 v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)
KDB 987594 D02 v03	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure 6 GHz (U-NII) Devices Part 15, Subpart E

1.2. Testing Location

Lab Name: Eurofins E&E Wireless Taiwan Co., Ltd.

Site Address: ■ No. 140-1, Changan Street, Bade District, Taoyuan City, Taiwan (R.O.C.)

Site Address: □ No. 2, Wuquan 5th Rd. Wugu Dist., New Taipei City, Taiwan (R.O.C.)

1.3. Measurement Uncertainty

Test Item	Frequency	Uncertainty	
		BD	WG
Conducted Emission	150 kHz ~ 30 MHz	2.7 dB	2.6 dB
Conducted Output Power		1.1 dB	1.1 dB
RF Bandwidth		4.4 %	4.4 %
Power Spectral Density		1.1 dB	1.1 dB
Duty Cycle		0.3 %	0.3 %
Time Occupancy		0.2 %	0.1 %
Frequency Stability		1.2×10^{-7}	1.2×10^{-7}

Test Item	Frequency	Uncertainty				
		96601-BD	96603-BD	96602-WG	96603-WG	96604-WG
Radiated Emission	9 kHz ~ 30 MHz	1.8 dB	1.8 dB	1.9 dB	1.9 dB	1.9 dB
	30 MHz ~ 1000 MHz	4.7 dB	4.7 dB	4.7 dB	4.7 dB	4.5 dB
	1000 MHz ~ 18000 MHz	4.7 dB	4.8 dB	4.6 dB	4.7 dB	5.1 dB
	18000 MHz ~ 26500 MHz	4.0 dB	4.1 dB	3.9 dB	4.1 dB	4.3 dB
	26500 MHz ~ 40000 MHz	4.2 dB	4.2 dB	4.2 dB	4.2 dB	4.6 dB

1.4. Test Site Environment

Items	Required (IEC 60068-1)	Interval(*)
Temperature (°C)	15-35	20-30
Humidity (%RH)	25-75	45-75

(*)The measurement ambient temperature is within this range.

2 EUT Description

The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity(except Maximum Output Power (e.i.r.p.)).

Applicant	Delta Electronics, Inc. 31-1 Shien Pan Rd., Kuei San Industrial Zone, Taoyuan City, 333, Taiwan		
Product Name	802.11ax enterprise access point		
Trade Name	DELTA		
Model No.	AP-623E		
FCC ID	PD5-AP623E		
Operate Frequency	Frequency Band		Frequency Range (MHz)
	802.11ax HE20	U-NII Band 5	5955 – 6415
		U-NII Band 6	6435 – 6515
		U-NII Band 7	6535 – 6855
		U-NII Band 8	6875 – 7115
	802.11ax HE40	U-NII Band 5	5965 – 6405
		U-NII Band 6	6445 – 6485
		U-NII Band 7	6525 – 6845
		U-NII Band 8	6885 – 7085
	802.11ax HE80	U-NII Band 5	5985 – 6385
		U-NII Band 6	6465 – 6545
		U-NII Band 7	6625 – 6785
		U-NII Band 8	6865 – 7025
	802.11ax HE160	U-NII Band 5	6025 – 6345
		U-NII Band 6	6505
		U-NII Band 7	6665 – 6825
		U-NII Band 8	6985

Modulation Type	OFDMA				
Antenna information	ANT	Model Number	Type	Max. Gain (dBi)	
	6G0	C393-510381-A	Dipole antenna	U-NII Band 5	6.0
				U-NII Band 6	5.8
				U-NII Band 7	6.6
				U-NII Band 8	6.6
	6G1	C393-510381-A	Dipole antenna	U-NII Band 5	7.2
				U-NII Band 6	7.2
				U-NII Band 7	7.1
				U-NII Band 8	7.1
Antenna Delivery	Reference section 3.1				
Operate Temp. Range	0 ~ +45 ℃				
EUT Power Rating	Adapter: 12 Vdc, 2.5 A PoE PD: 42.5 – 57.0 Vdc				

Testing Sample No.		
Test Item		Sample Number
Radiated Emissions	Below 1 GHz	C255024_A005
	Above 1 GHz	C255024_A005
Conducted		C255024_A004
Conducted Emission		C255024_A011

Frequency Band		Maximum Output Power (e.i.r.p.)	
		(dBm)	(W)
802.11ax HE20	U-NII Band 5	15.74	0.037
	U-NII Band 6	15.59	0.036
	U-NII Band 7	16.03	0.040
	U-NII Band 8	16.71	0.047
802.11ax HE40	U-NII Band 5	19.45	0.088
	U-NII Band 6	19.05	0.080
	U-NII Band 7	19.07	0.081
	U-NII Band 8	19.49	0.089
802.11ax HE80	U-NII Band 5	22.16	0.164
	U-NII Band 6	22.14	0.164
	U-NII Band 7	22.45	0.176
	U-NII Band 8	22.40	0.174
802.11ax HE160	U-NII Band 5	24.49	0.281
	U-NII Band 6	24.62	0.290
	U-NII Band 7	24.63	0.290
	U-NII Band 8	24.73	0.297

Beamforming on

Frequency Band		Maximum Output Power (e.i.r.p.)	
		(dBm)	(W)
802.11ax HE20	U-NII Band 5	16.59	0.046
	U-NII Band 6	16.48	0.044
	U-NII Band 7	16.91	0.049
	U-NII Band 8	17.48	0.056
802.11ax HE40	U-NII Band 5	20.31	0.107
	U-NII Band 6	19.96	0.099
	U-NII Band 7	19.99	0.100
	U-NII Band 8	20.30	0.107
802.11ax HE80	U-NII Band 5	23.03	0.201
	U-NII Band 6	22.94	0.197
	U-NII Band 7	23.41	0.219
	U-NII Band 8	23.19	0.208
802.11ax HE160	U-NII Band 5	25.35	0.343
	U-NII Band 6	25.48	0.353
	U-NII Band 7	25.56	0.360
	U-NII Band 8	25.58	0.361

Equipment Type	
Indoor access point	V
Subordinate device	---
Indoor Client devices	---

BW 20M	CH	1	5	9	13	17	21	25	29
	Freq.(MHz)	5955	5975	5995	6015	6035	6055	6075	6095
BW 40M	CH	3		11		19		27	
	Freq.(MHz)	5965		6005		6045		6085	
BW 80M	CH	7				23			
	Freq.(MHz)	5985				6065			
BW 160M	CH	15							
	Freq.(MHz)	6025							

BW 20M	CH	33	37	41	45	49	53	57	61
	Freq.(MHz)	6115	6135	6155	6175	6195	6215	6235	6255
BW 40M	CH	35		43		51		59	
	Freq.(MHz)	6125		6165		6205		6245	
BW 80M	CH	39				55			
	Freq.(MHz)	6145				6225			
BW 160M	CH	47							
	Freq.(MHz)	6185							

BW 20M	CH	65	69	73	77	81	85	89	93
	Freq.(MHz)	6275	6295	6315	6335	6355	6375	6395	6415
BW 40M	CH	67		75		83		91	
	Freq.(MHz)	6285		6325		6365		6405	
BW 80M	CH	71				87			
	Freq.(MHz)	6305				6385			
BW 160M	CH	79							
	Freq.(MHz)	6345							

BW 20M	CH	97	101	105	109	113	117	121	125
	Freq.(MHz)	6435	6455	6475	6495	6515	6535	6555	6575
BW 40M	CH	99		107		115		123	
	Freq.(MHz)	6445		6485		6525		6565	
BW 80M	CH	103				119			
	Freq.(MHz)	6465				6545			
BW 160M	CH	111							
	Freq.(MHz)	6505							

BW 20M	CH	129	133	137	141	145	149	153	157
	Freq.(MHz)	6595	6615	6635	6655	6675	6695	6715	6735
BW 40M	CH	131		139		147		155	
	Freq.(MHz)	6605		6645		6685		6725	
BW 80M	CH	135				151			
	Freq.(MHz)	6625				6705			
BW 160M	CH	143							
	Freq.(MHz)	6665							

BW 20M	CH	161	165	169	173	177	181	185	189
	Freq.(MHz)	6755	6775	6795	6815	6835	6855	6875	6895
BW 40M	CH	163		171		179		187	
	Freq.(MHz)	6765		6805		6845		6885	
BW 80M	CH	167				183			
	Freq.(MHz)	6785				6865			
BW 160M	CH	175							
	Freq.(MHz)	6825							

BW 20M	CH	193	197	201	205	209	213	217	221
	Freq.(MHz)	6915	6935	6955	6975	6995	7015	7035	7055
BW 40M	CH	195		203		211		219	
	Freq.(MHz)	6925		6965		7005		7045	
BW 80M	CH	199				215			
	Freq.(MHz)	6945				7025			
BW 160M	CH	207							
	Freq.(MHz)	6985							

BW 20M	CH	225	229
	Freq.(MHz)	7075	7095
BW 40M	CH	227	
	Freq.(MHz)	7085	

BW 20M	CH	233
	Freq.(MHz)	7115

3 Test Methodology

3.1. Mode of Operation

Decision of Test Eurofins has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Pre-Test Mode	Final-Test Mode
Transmit Mode	V
802.11ax HE20	V
802.11ax HE40	V
802.11ax HE80	V
802.11ax HE160	V

Software used to control the EUT for staying in continuous transmitting mode was programmed.
After verification, all tests were carried out with the worst case test modes.
By preliminary testing and verifying three axis (X, Y and Z) position of EUT transmitted status, it was found that “Z axis” position was the worst, then the final test was executed the worst condition and test data were recorded in this report.

Note 1: 802.11 ax only support full RU.
Note 2: The device is used with POE (number：G0720-480-050) performing the test.
Note 3: This product supports normal mode and Beamforming on mode. According to power table, the normal mode is worst power. So, normal mode has to test and record results for Conducted.

Test Mode	ANT-0	ANT-1	ANT-0+1
802.11ax HE20	V	V	V
802.11ax HE40	V	V	V
802.11ax HE80	V	V	V
802.11ax HE160	V	V	V

Test Mode	Antenna Delivery	Data Rate (Mbps)	Band	Test Channel
802.11ax HE20	2TX (MIMO/Beamforming on)	MCS0	U-NII Band 5	1, 45, 93
			U-NII Band 6	97, 105, 113
			U-NII Band 7	117, 149, 181
			U-NII Band 8	185, 189, 209, 229, 233
802.11ax HE40	2TX (MIMO/Beamforming on)	MCS0	U-NII Band 5	3, 43, 91
			U-NII Band 6	99, 107
			U-NII Band 7	115, 123, 147, 179
			U-NII Band 8	187, 195, 211, 227
802.11ax HE80	2TX (MIMO/Beamforming on)	MCS0	U-NII Band 5	7, 39, 87
			U-NII Band 6	103
			U-NII Band 7	119, 135, 151, 167, 183
			U-NII Band 8	199, 215
802.11ax HE160	2TX (MIMO/Beamforming on)	MCS0	U-NII Band 5	15, 47, 79
			U-NII Band 6	111
			U-NII Band 7	143, 175
			U-NII Band 8	207

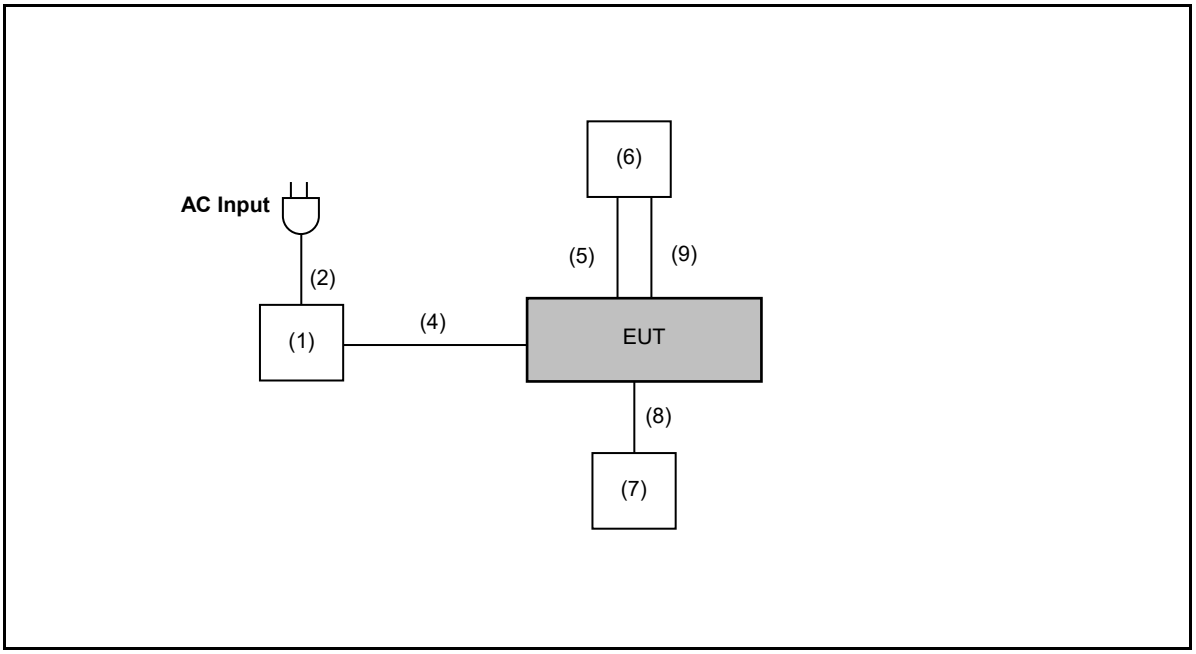
3.2. EUT Test Step

The EUT is operated in the engineering mode to fix the TX frequency for the purposes of measurement. According to its specifications, the EUT must comply with the requirements of Section 15.407 under the FCC Rules Part 15 Subpart E.

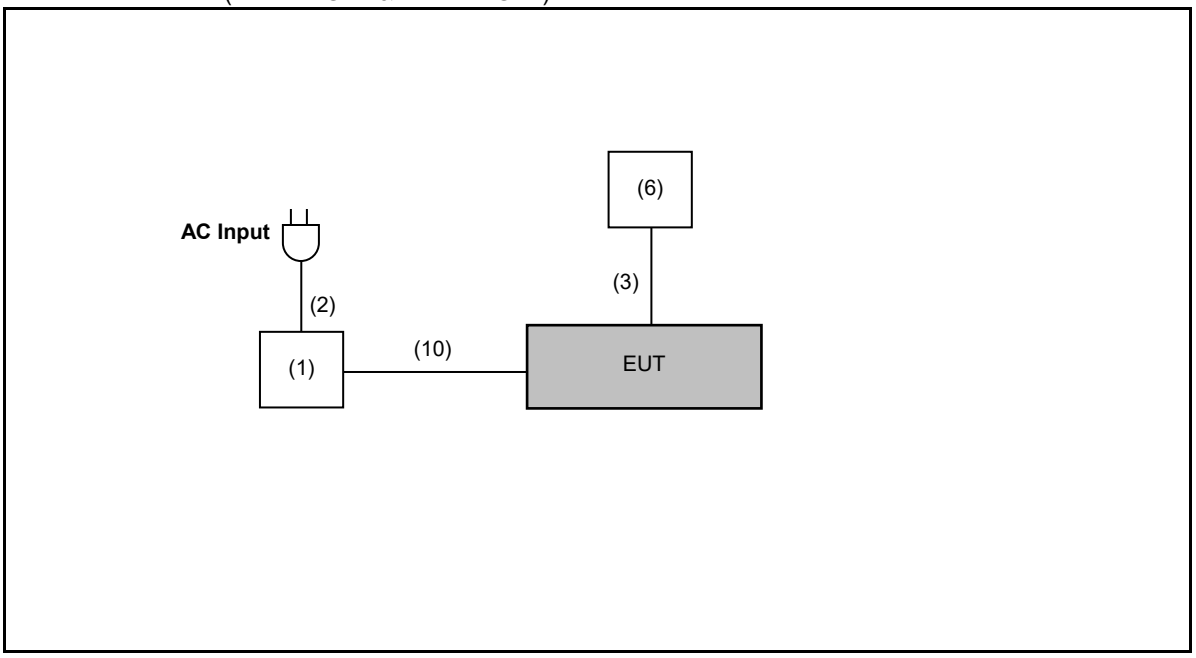
1.	Setup the EUT shown on “Configuration of Test System Details”.
2.	Turn on the power of all equipment.
3.	Turn on TX function.
4.	EUT run test program.

3.3. Configuration of Test System Details

Conduction Emission



Radiated Emissions (Below 1 GHz & Above 1 GHz)



Devices Description					
Product		Manufacturer	Model Number	Serial Number	Power Cord
(1)	POE	SHENZHEN GOSPELL DIGITAL TECHNOLOGY CO., LTD.	G0720-480-050	---	---
(2)	AC Power Code	I-sheng	AC Power Code	---	---
(3)	Lan Cable	TATUNG	CAT5E	---	---
(4)	Lan Cable	TATUNG	CAT5E	---	---
(5)	Lan Cable	TATUNG	CAT5E	---	---
(6)	Notebook	asus	ADP-65GD D	---	---
(7)	HDD	Transcend	TS1TSJ25A3K	---	---
(8)	USB Cable	Transcend	TS1TSJ25A3K	---	---
(9)	USB Cable	HUAWEI	04071121	---	---
(10)	Lan Cable	Eurofins	Eurofins_001	---	---

3.4. Test Instruments

For Conducted Emission
Test Period: Jun. 28, 2025
Testing Engineer: Chi Chang

Test Site		Conduction01-BD				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Test Receiver	R&S	ESCI	100367	May 26, 2025	1 year
☒	LISN	R&S	ENV216	101040	Feb. 26, 2025	1 year
☒	RF Cable	Woken	00100D1380194M	TE-02-03	Jun. 10, 2025	1 year
☒	Software	EZ EMC	1.1.4.3	N/A	N.C.R.	---

For Conducted
Test Period: May 21, 2025 ~ Jul. 07, 2025
Testing Engineer: Brian Lin, Andy Lu

Test Site		RF01-BD				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Power Sensor	Anritsu	MA2411B	1126022	Aug. 29, 2024	1 year
☒	Power Meter	Anritsu	ML2495A	1135009	Aug. 29, 2024	1 year
☒	Spectrum Analyzer (10 Hz~26.5 GHz)	Keysight	N9010B	MY59071418	Apr. 14, 2025	1 year
☒	RF Switch Cable System	e-channel	ETF-1820	EC2300021	Jul. 19, 2024	1 year

For Conducted
Test Period: Jun. 18, 2025 ~ Aug. 09, 2025
Testing Engineer: Luke Yang

Test Site		RF01-BD				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Spectrum Analyzer (10 Hz~26.5 GHz)	Keysight	N9010B	MY63460166	Mar. 06, 2025	1 year
☒	Signal Generator	Keysight	N5182B	MY53052569	Apr. 18, 2025	1 year
☒	Signal Generator	Keysight	N5182BX07	MY59360221	Apr. 18, 2025	1 year

Note: N.C.R. = No Calibration Request.

For Radiated Emissions
Test Period: Jun. 18, 2025 ~ Jun. 28, 2025
Testing Engineer: Hung Chou, Marc Yeh, Eason Lee

Test Site		96603-BD				
Radiation test sites		Semi Anechoic Room				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Spectrum Analyzer (10 Hz~44 GHz)	Keysight	N9020B	MY60112363	Jan. 13, 2025	1 year
☒	Amplifier (100 kHz~1.3 GHz)	Agilent	8447D	2944A11119	Jan. 07, 2025	1 year
☒	Broadband Amplifier (1 GHz~26.5 GHz)	Titan	T0912E01263025 A1F	002	Jul. 31, 2024	1 year
☒	Loop Antenna (9 kHz~30 MHz)	COM-POWER CORPORATION	AL-130	121014	Mar. 27, 2025	1 year
☒	Trilog Broadband Antenna (30 kHz~1 GHz)	Schwarzbeck Mess-Elektronik	VULB9168	01146	Jun. 28, 2024 Jun. 26, 2025	1 year
☒	Broadband Horn Antenna (1 GHz~18 GHz)	Schwarzbeck Mess-Elektronik	9120D	02207	Aug. 30, 2024	1 year
☒	Broadband Horn Antenna (18 GHz~40 GHz)	Schwarzbeck Mess-Elektronik	9170	9170-320	Jul. 22, 2024	1 year
☒	Coaxial Cable	Titan	T0710AT327A10A 100	J11006	Aug. 08, 2024	1 year
☒	Coaxial Cable	Titan	T0710AT327A10A 900	J11003	Aug. 08, 2024	1 year
☒	Coaxial Cable	Titan	EMCCFD400-NM-NM-13000	210302	Aug. 08, 2024	1 year
☒	Software	R_RAN	1.4	N/A	N.C.R.	---

Note: N.C.R. = No Calibration Request.

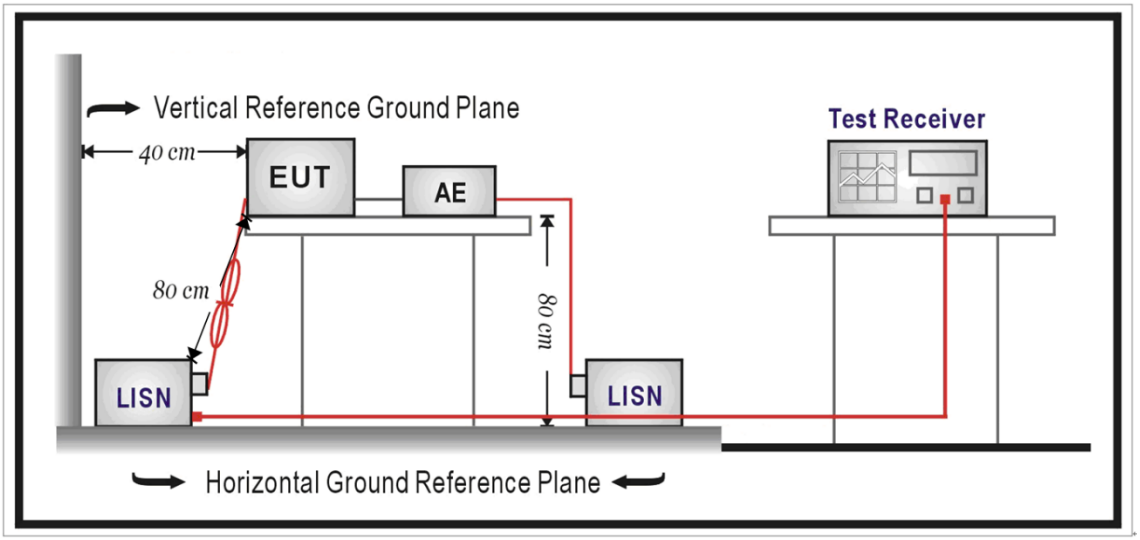
4 Measurement Procedure

4.1. AC Power Conducted Emission Measurement

■ **Limit**

Frequency (MHz)	Quasi-peak	Average
0.15 - 0.5	66 to 56	56 to 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

■ **Test Setup**



■ **Test Procedure**

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 Ω// 50 uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50 Ω// 50 uH coupling impedance with 50 ohm termination.

Tabletop device shall be placed on a non-conducting platform, of nominal size 1 m by 1.5 m, raised 80 cm above the reference ground plane. The wall of screened room shall be located 40 cm to the rear of the EUT. Other surfaces of tabletop or floor standing EUT shall be at least 80 cm from any other ground conducting surface including one or more LISNs. For floor-standing device shall be placed under the EUT with a 12 mm insulating material.

Conducted emissions were investigated over the frequency range from 0.15 MHz to 30 MHz using a resolution bandwidth of 9 kHz. The equipment under test (EUT) shall be meet the limits in section 4.1, as applicable, including the average limit and the quasi-peak limit when using respectively, an average detector and quasi-peak detector measured in accordance with the methods described of related standard. When all of peak value were complied with quasi-peak and average limit from 150 kHz to 30 MHz then quasi-peak and average measurement was unnecessary.

The AMN shall be placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for AMNs mounted on top of the ground reference plane. This distance is between the closest points of the AMN and the EUT. All other units of the EUT and associated equipment shall be at least 0.8 m from the AMN. If the mains power cable is longer than 1 m then the cable shall be folded back and forth at the centre of the lead to form a bundle no longer than 0.4 m. All of 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 cm to 40 cm long. All of EUT and AE shall be separate place more than 0.1 m. All 50 Ω ports of the LISN shall be resistively terminated into 50 Ω loads when not connected to the measuring instrument.

If the reading of the measuring receiver shows fluctuations close to the limit, the reading shall be observed for at least 15 s at each measurement frequency; the higher reading shall be recorded with the exception of any brief isolated high reading which shall be ignored

4.2. Transmitter Radiated Emissions Measurement

■ **Limit**

(1)Undesirable emission limits. Except as shown in paragraph (b)(9) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(a) For transmitters operating in the band 5925~6425 MHz, 6425~6525 MHz, 6525~6875 MHz and 6875~7125 MHz all emissions outside the band 5925~7125 MHz shall not exceed -27 dBm/MHz E.I.R.P..

E.I.R.P. (dBm/MHz)	Avg Field Strength at 3 m(dBuV/m)
-7 (Peak)	88.2 (Peak)
-27 (AVG)	68.2 (AVG)

(2)Limits of Radiated Emission Measurement

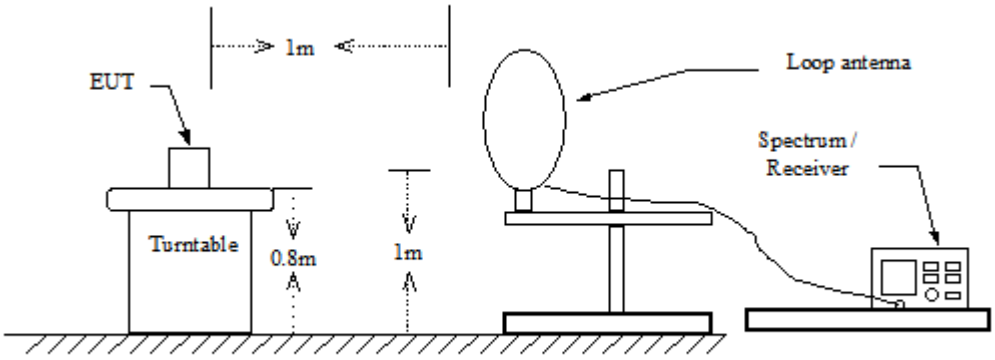
Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

Frequency Range (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	10	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

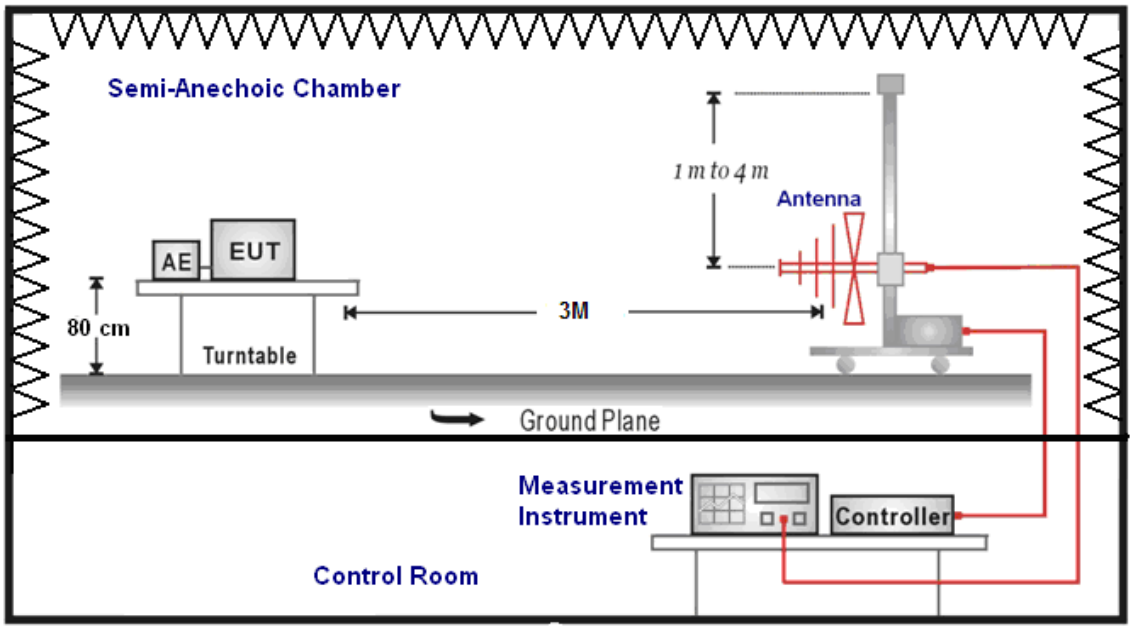
Note: 1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

■ **Setup**

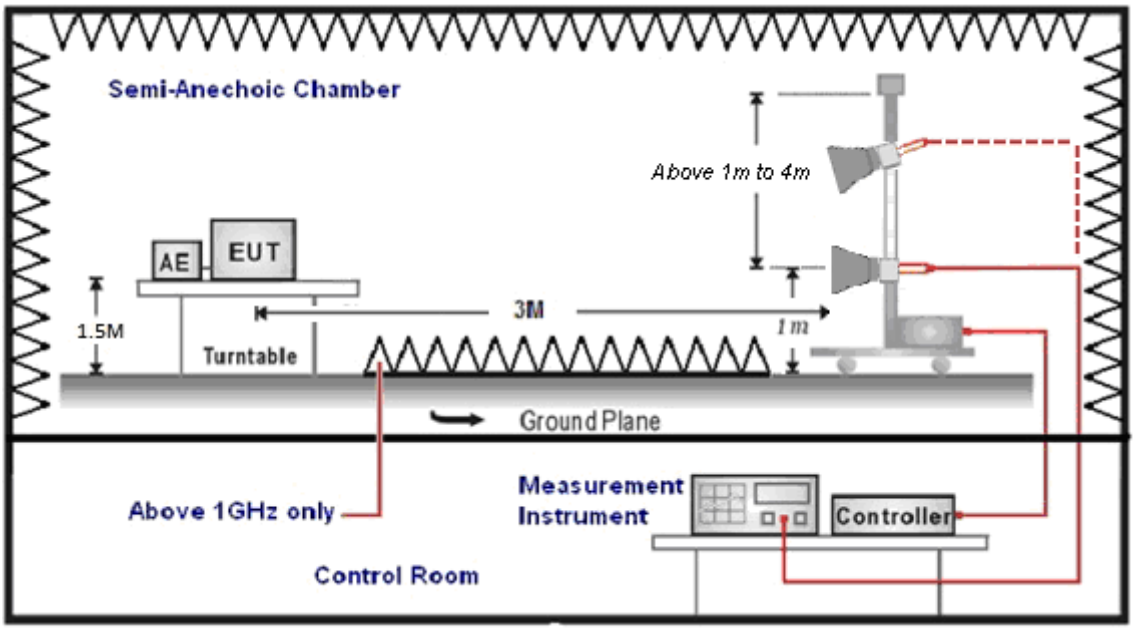
9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz


Semi-Anechoic Chamber
Above 1m to 4m
AE
EUT
1.5M
3M
1 m
Turntable
Ground Plane
Above 1GHz only
Measurement Instrument
Controller
Control Room

■ **Test Procedure**

Final radiation measurements were made on a three-meter, Semi Anechoic Chamber. The EUT system was placed on a nonconductive turntable which is 0.8 or 1.5 meters height (below 1 GHz use 0.8 m turntable / above 1 GHz use 1.5 m turntable), top surface 1.0 x 1.5 meter. During the test, EUT was set to transmit continuously & Measurements spectrum range from 9 kHz to 40 GHz is investigated.

For measurements below 30 MHz the resolution bandwidth is set to 10 kHz for peak detection measurements or 9 kHz for quasi-peak detection measurements. The video bandwidth is 3 times of the resolution bandwidth.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For restricted measurements above 1 GHz the resolution bandwidth is set to 1 MHz, and then the video bandwidth is set to 3 MHz for peak measurements and 10 Hz for average measurements when Duty cycle > 0.98 / 1/T for average measurements when Duty cycle < 0.98.

For out of band measurements above 1 GHz the resolution bandwidth is set to 1 MHz, and then the video bandwidth is set to 3 MHz for peak measurements.

A nonconductive material surrounded the EUT to supporting the EUT for standing on tree orthogonal planes. At each condition, the EUT was rotated 360 degrees, and the antenna was raised and lowered from one to four meters to find the maximum emission levels. Measurements were taken using both horizontal and vertical antenna polarization. SCHWARZBECK MESS-ELEKTRONIK Trilog-Broadband Antenna at 3 Meter and the ETS-Lindgren Double-Ridged Waveguide Horn antnna Schwarzbeck Mess-Elektronik Broadband Horn Antenna was used in frequencies 1 – 40 GHz at a distance of 3 meter. The antenna at an angle toward the source of the emission.All test results were extrapolated to equivalent signal at 3 meters utilizing an inverse linear distance extrapolation Factor (20 dB/decade).

For testing above 1 GHz, the emission level of the EUT in peak mode was 20 dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

Appropriate preamplifiers were used for improving sensitivity and precautions were taken to avoid overloading or desensitizing the spectrum analyzer. No post – detector video filters were used in the test.

The spectrum analyzer's 6 dB bandwidth was set to 1 MHz, and the analyzer was operated in the peak detection mode, for frequencies both below and up 1 GHz. The average levels were obtained by subtracting the duty cycle correction factor from the peak readings.

The following procedures were used to convert the emission levels measured in decibels referenced to 1 microvolt (dBuV) into field intensity in micro volts pre meter (uV/m).

The actual field intensity in decibels referenced to 1 microvolt in to field intensity in micro colts per meter (dBuV/m).

Data of measurement within this frequency range without mark in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.

The actual field is intensity in referenced to 1 microvolt per meter (dBuV/m) is determined by algebraically adding the measured reading in dBuV, the antenna factor (dB/m), and cable loss (dB) and Subtracting the gain of preamplifier (dB) is auto calculate in spectrum analyzer.

(1) Amplitude (dBuV/m) = FI (dBuV) +AF (dB/m) +CL (dB)
FI= Reading of the field intensity.
AF= Antenna factor.
CL= Cable loss.
P.S Amplitude is auto calculate in spectrum analyzer.

Measuring Instruments and setting

The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	40 GHz
RBW/VBW(Emission in restricted band)	1 MHz / 3 MHz for Peak 1 MHz / (1/T) for Average
RBW/VBW(Emission in non-restricted band)	1 MHz / 3 MHz for Peak 1 MHz / (1/T) for Average (Only WLAN 6G)

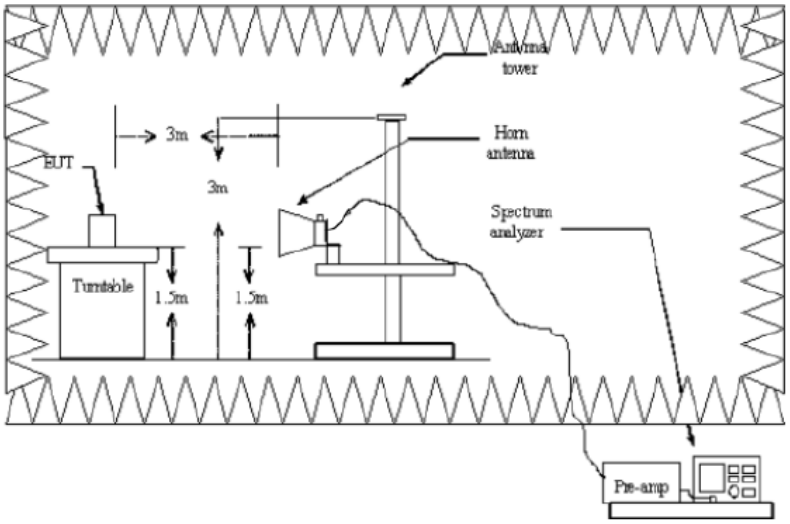
4.3. Maximum Output Power Measurement

■ **Limit**

Frequency Range (GHz)	Maximum Output Power Limit
5.925 ~ 6.425	For standard power access point and fixed client device: e.i.r.p. ≦ 36dBm, For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125mW (21dBm).
	For indoor access point: e.i.r.p. ≦ 30dBm.
	For subordinate device control of an indoor access point: e.i.r.p. ≦ 30dBm.
	For client device control of a standard power access point: e.i.r.p. ≦ 30dBm.
	For client device control of an indoor access point: e.i.r.p. ≦ 24dBm.
	For very low power devices: e.i.r.p. ≦ 14dBm.
6.425 ~ 6.525	For indoor access point: e.i.r.p. ≦ 30dBm.
	For subordinate device control of an indoor access point: e.i.r.p. ≦ 30dBm.
	For client device control of an indoor access point: e.i.r.p. ≦ 24dBm.
	For very low power devices: e.i.r.p. ≦ 14dBm.
6.525 ~ 6.875	For standard power access point and fixed client device : e.i.r.p. ≦ 36dBm, For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125mW (21dBm).
	For indoor access point: e.i.r.p. ≦ 30dBm.
	For subordinate device control of an indoor access point: e.i.r.p. ≦ 30dBm.
	For client device control of a standard power access point: e.i.r.p. ≦ 30dBm.
	For client device control of an indoor access point: e.i.r.p. ≦ 24dBm.
	For very low power devices: e.i.r.p. ≦ 14dBm.
6.875 ~ 7.125	For indoor access point: e.i.r.p. ≦ 30dBm.
	For subordinate device control of an indoor access point: e.i.r.p. ≦ 30dBm.
	For client device control of an indoor access point: e.i.r.p. ≦ 24dBm.
	For very low power devices: e.i.r.p. ≦ 14dBm.

For Radiation Method

■ **Test Setup**



■ **Test Procedure**

The test is performed in accordance with ANSI C63.10:2013 section 12.3.2, Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices.

Accordance with ANSI C63.10:2013 section 12.1.2 use radiated compliance measurements.

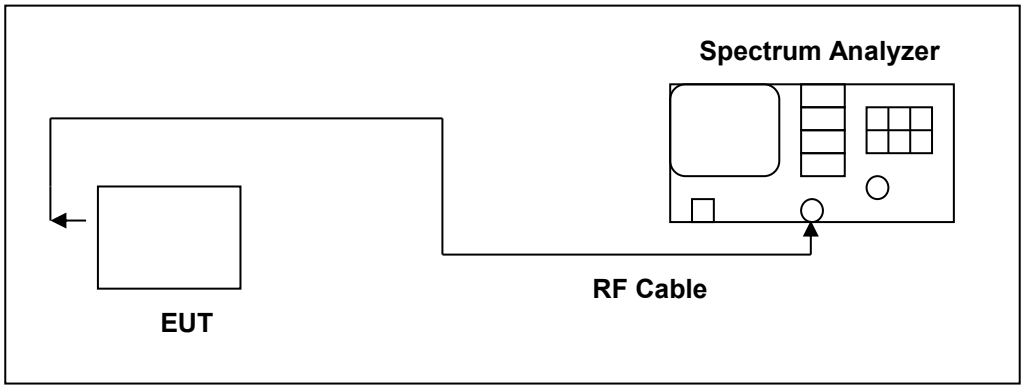
1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a antenna tower.
3. The height of antenna is fixed 1.5 meter , Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. Perform a EIRP level measurement and record the worse read value, is the EIRP level value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor.

4.4. Emission Bandwidth Measurement

■ **Limit**

≤ 320 MHz

■ **Test Setup**



■ **Test Procedure**

The test is performed in accordance with ANSI C63.10:2013 section 12.4 Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Subpart E.

For 26 dB Bandwidth:

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	>26 dB Bandwidth
RBW	Approximately 1 % of the emission bandwidth
VBW	VBW > RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

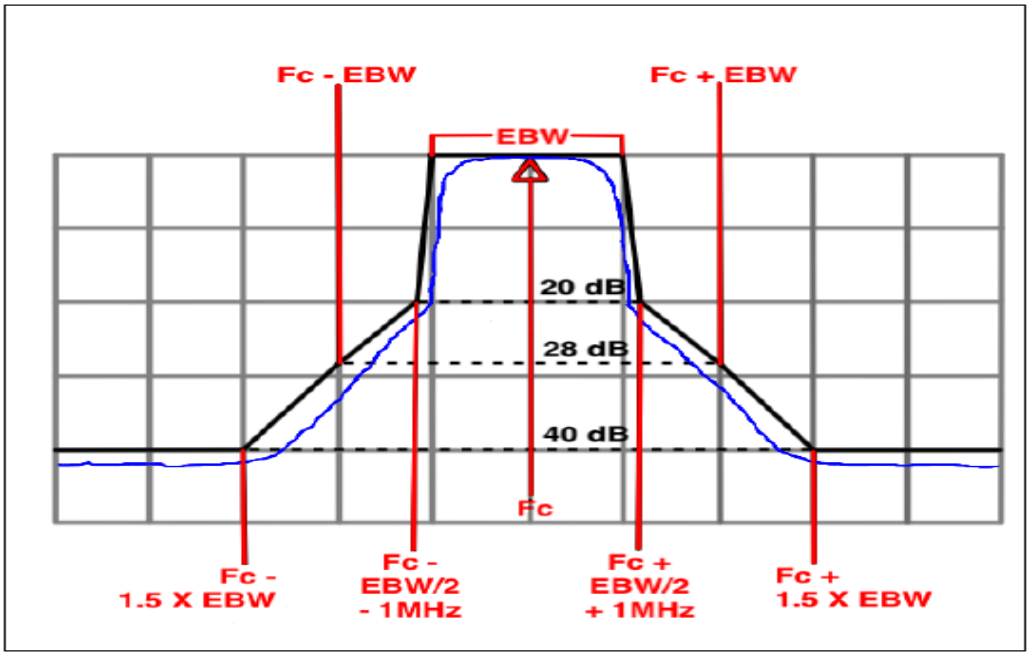
For 99% Bandwidth:

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

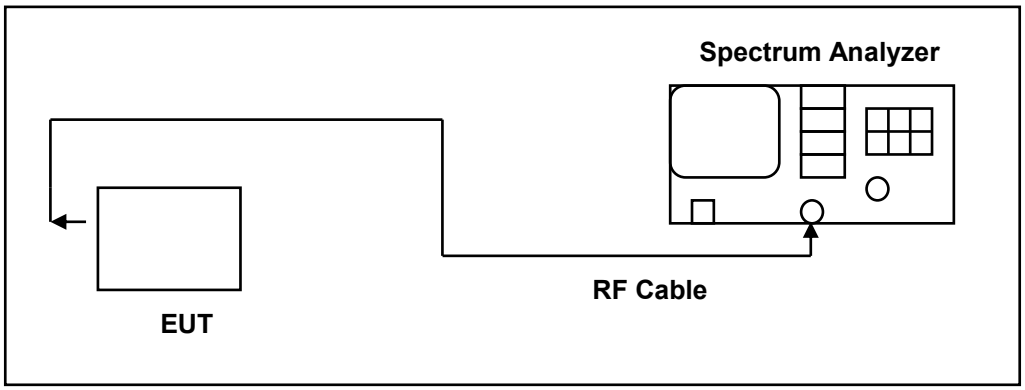
Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	1.5 times and 5.0 times the OBW
RBW	Approximately 1 % ~ 5 % of the emission bandwidth
VBW	VBW > RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

4.5. In-Band Emission (Mask) Measurement

- **Limit**



- **Test Setup**



■ **Test Procedure**

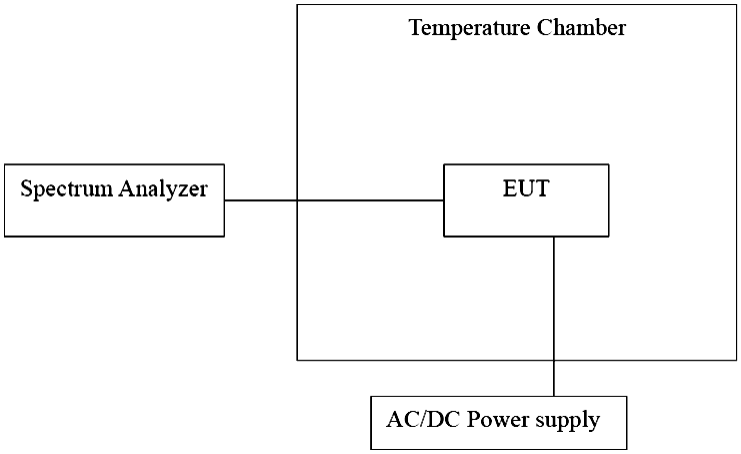
1. Connect output of the antenna port to a spectrum analyzer.
2. Measure the 26 dB EBW using the test procedure 12.4.1 of ANSI C63.10-2013.
3. Measure the power spectral density (which will be used for emissions mask reference) using the following procedure:
   a) Set the span to encompass the entire 26 dB EBW of the signal.
   b) Set RBW = same RBW used for 26 dB EBW measurement.
   c) Set VBW ≥ 3 X RBW
   d) Number of points in sweep ≥ [2 X span / RBW].
   e) Sweep time = auto.
   f) Detector = RMS (i.e., power averaging)
   g) Trace average at least 100 traces in power averaging (rms) mode.
   h) Use the peak search function on the instrument to find the peak of the spectrum.
4. For the purposes of developing the emission mask, the channel bandwidth is defined as the 26 dB EBW.
5. Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:
   a) Suppressed by 20 dB at 1 MHz outside of the channel edge. (The channel edge is defined as the 26-dB point on either side of the carrier center frequency.)
   b) Suppressed by 28 dB at one channel bandwidth from the channel center.
   c) Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
6. Adjust the span to encompass the entire mask as necessary.
7. Clear trace.
8. Trace average at least 100 traces in power averaging (rms) mode.
9. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask.

4.6. Frequency Stability Measurement

■ **Limit**

The carrier frequency remains within the operating frequency band.

■ **Test Setup**



■ **Test Procedure**

1. The EUT and test equipment were set up as shown on the following section.
2. Turn the on and couple its output to a spectrum analyzer.
3. Turn the EUT off and set the chamber to highest temperature specified.
4. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT ON and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized.
5. Repeat step 4 with the temperature chamber set to the lower the chamber temperature by not more that 10 °C, and allow the temperature inside the chamber to stabilize.
6. The test chamber was allowed to stabilize at +20℃ for a minimum of 30 minutes. The supply voltage was then adjusted of the EUT form 85% (or end point) to 115% and the frequency record.

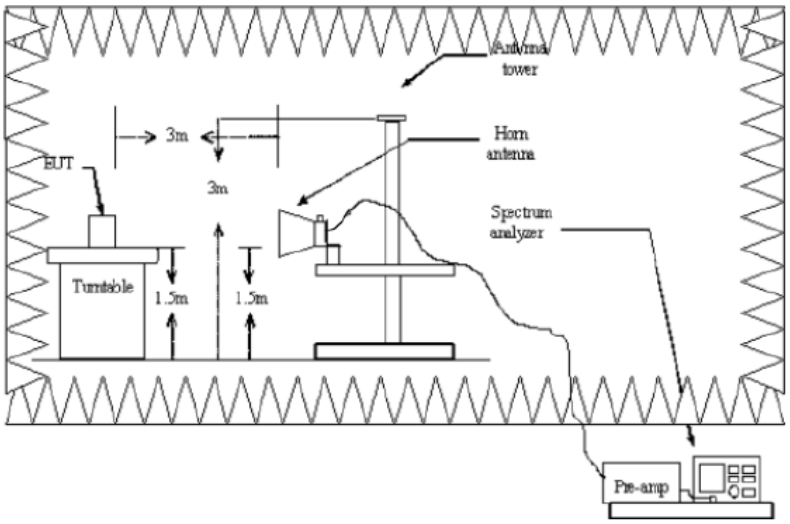
4.7. Maximum Power Spectral Density Measurement

■ **Limit**

Frequency Range (GHz)	Maximum Power Spectral Density Limit
5.925 ~ 6.425	For standard power access point and fixed client device: e.i.r.p. PSD ≤ 23 dBm/MHz.
	For indoor access point: e.i.r.p. PSD ≤ 5 dBm/MHz.
	For subordinate device control of an indoor access point: e.i.r.p. PSD ≤ 5 dBm/MHz.
	For client device control of a standard power access point: e.i.r.p. PSD ≤ 17 dBm/MHz.
	For client device control of an indoor access point: e.i.r.p. PSD ≤ -1 dBm/MHz.
	For very low power devices: e.i.r.p. PSD ≤ -5 dBm/MHz.
6.425 ~ 6.525	For indoor access point: e.i.r.p. PSD ≤ 5 dBm/MHz.
	For subordinate device control of an indoor access point: e.i.r.p. PSD ≤ 5 dBm/MHz.
	For client device control of an indoor access point: e.i.r.p. PSD ≤ -1 dBm/MHz.
	For very low power devices: e.i.r.p. PSD ≤ -5 dBm/MHz.
6.525 ~ 6.875	For standard power access point and fixed client device: e.i.r.p. PSD ≤ 23 dBm/MHz.
	For indoor access point: e.i.r.p. PSD ≤ 5 dBm/MHz.
	For subordinate device control of an indoor access point: e.i.r.p. PSD ≤ 5 dBm/MHz.
	For client device control of a standard power access point: e.i.r.p. PSD ≤ 17 dBm/MHz.
	For client device control of an indoor access point: e.i.r.p. PSD ≤ -1 dBm/MHz.
	For very low power devices: e.i.r.p. PSD ≤ -5 dBm/MHz.
6.875 ~ 7.125	For indoor access point: e.i.r.p. PSD ≤ 5 dBm/MHz.
	For subordinate device control of an indoor access point: e.i.r.p. PSD ≤ 5 dBm/MHz.
	For client device control of an indoor access point: e.i.r.p. PSD ≤ -1 dBm/MHz.
	For very low power devices: e.i.r.p. PSD ≤ -5 dBm/MHz.

For Radiation Method

■ **Test Setup**



■ **Test Procedure**

The test is performed in accordance with ANSI C63.10:2013 section 12.5, Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Subpart E.

Accordance with ANSI C63.10:2013 section 12.1.2 use radiated compliance measurements.

1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a antenna tower.
3. The height of antenna is fixed 1.5 meter , Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. Perform a EIRP level measurement and record the worse read value, is the EIRP level value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	1 MHz
VBW	3 MHz
Detector	RMS
Trace	AVERAGE
Sweep Time	Auto
Trace Average	100 times

4.8. Contention Based Protocol Measurement

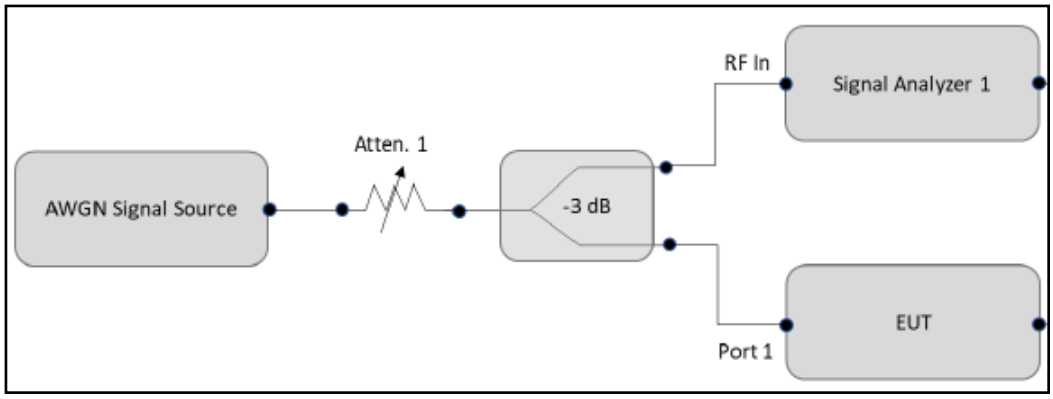
■ **Limit**

Unlicensed low-power indoor devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel and stay off the channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain. Additionally, low-power indoor devices must detect co-channel energy with 90% or greater certainty.

Table 1. Criteria to determine number of times detection threshold test may be performed

If	Number of Tests	Placement of Incumbent Transmission
$BW_{EUT} \leq BW_{Inc}$	Once	Tune incumbent and EUT transmissions ($f_{c1} = f_{c2}$)
$BW_{Inc} < BW_{EUT} \leq 2BW_{Inc}$	Once	Incumbent transmission is contained within BW_{EUT}
$2BW_{Inc} < BW_{EUT} \leq 4BW_{Inc}$	Twice. Incumbent transmission is contained within BW_{EUT}	Incumbent transmission is located as closely as possible to the lower edge and upper edge, respectively, of the EUT channel
$BW_{EUT} > 4BW_{Inc}$	Three times	Incumbent transmission is located as closely as possible to the lower edge of the EUT channel, in the middle of EUT channel, and as closely as possible to the upper edge of the EUT channel

■ **Test Setup**



■ **Test Procedure**

1. Configure the EUT to transmit with a constant duty cycle.
2. Set the operating parameters of the EUT including power level, operating frequency, modulation and bandwidth.
3. Set the signal analyzer center frequency to the nominal EEUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT.
4. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
5. Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB divider, to the signal analyzer 1 and the EUT as shown in Test Setup.
6. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.
7. Monitor the signal analyzer to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
8. (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
9. Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 4, choose a different center frequency for the AWGN signal and repeat the process.

4.9. Operational restrictions for 6 GHz U-NII devices

■ **Limits**

In the 5.925-7.125 GHz band, client devices, except fixed client devices, must operate under the control of a standard power access point, indoor access point or subordinate devices; Subordinate devices must operate under the control of an indoor access point.

■ **Declare**

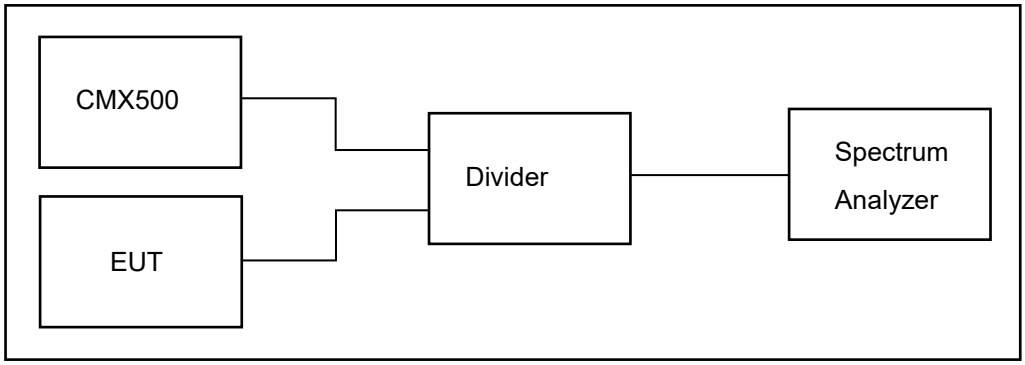
Device is an indoor client device under the control of a low power indoor access point. Please refer to the declaration letter exhibit supplied within this application.

4.10. Proper Power Adjustment, Client Devices Connected to a Standard Power Access Point Measurement

■ **Limit**

A client device that connects to a Standard Power AP must limit its power to a minimum of 6 dB lower than its associated Standard Power access point's authorized transmit power. The term "authorized" means the AFC-approved power level for the AP to use on a particular channel.

■ **Test Setup**



■ **Test Procedure**

1. Connect the equipment as shown in the test setup above.
2. In the figure, the Std Power AP can be configured using a developmental board, an Access Point incorporated with test software, or any other hardware configuration that adequately demonstrates proper client power adjustment.
3. Adjust Atten 1 to Std Power AP to facilitate error-free communication with the Client but protect the Client receiver from overload or damage.
4. Configure the Client and AP to associate and send data (stream data). The AP should be configured so its registered power is 36 dBm EIRP.
5. Verify transmission between the Client and the Standard Power AP. Additional attenuators may be required to protect measurement equipment. Measure the Client RF power using any of the methods in C63.10 for NII devices. Use this power and its antenna gain to calculate the Client EIRP.
6. The Client EIRP should be minimally 6 dB lower than the APs.
7. Repeat Steps 2 through 5 at two other selected measurement points—the first at the midpoint and the second at the client's lowest rated power, as declared by the manufacturer.

4.11. Automatically discontinue transmission

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

- **Declare**

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving.

The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

4.12. Antenna Requirement

- **Limit**

For intentional device, according to 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.
And According to 15.407 (a), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

- **Antenna Connector Construction**

See section 2 – antenna information.

■ **Directional Gain Calculated**

Test mode	Band	Transmission Type	Antenna				Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
			Ant-0 (dBi)	Ant-1 (dBi)	Ant-2 (dBi)	Ant-3 (dBi)		
802.11ax HE20 802.11ax HE40 802.11ax HE80 802.11ax HE160	Band 5	CDD	6.00	7.20	---	---	7.20	8.17
	Band 6		5.80	7.20	---	---	7.20	8.17
	Band 7		6.60	7.10	---	---	7.10	8.17
	Band 8		6.60	7.10	---	---	7.10	7.98

Directional gain (Power) = GANT

Directional gain (PSD) = Composite Gain

Beamforming on

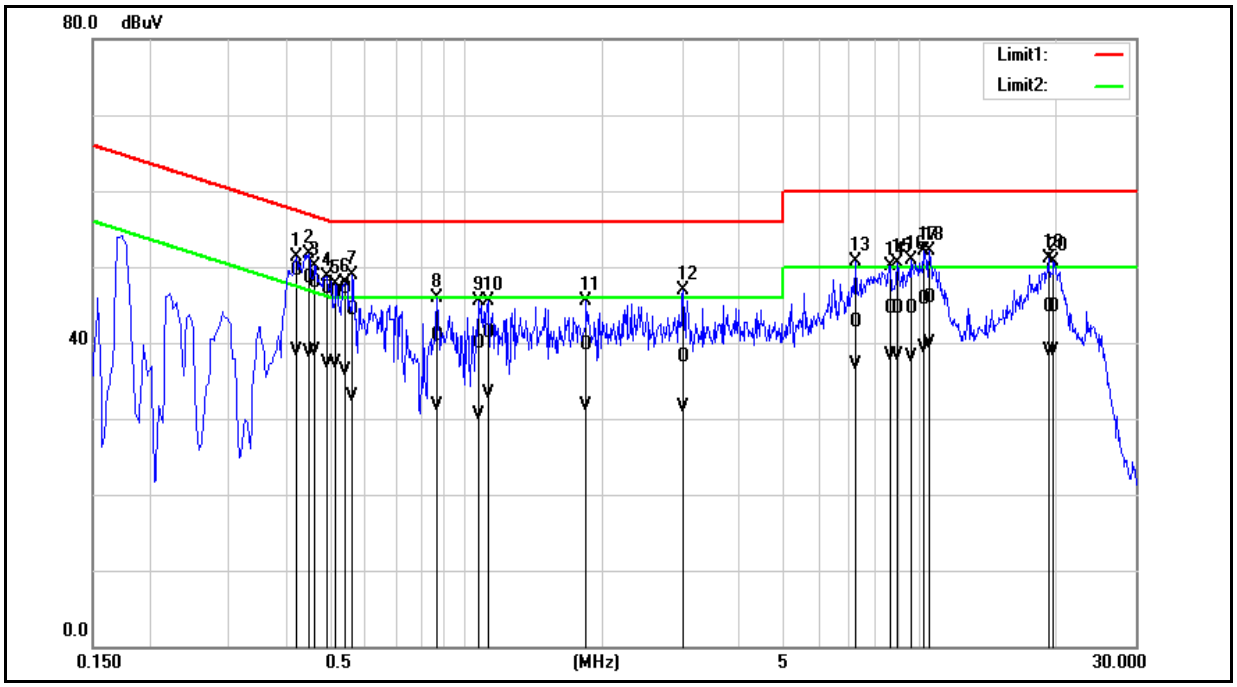
Test mode	Band	Transmission Type	Antenna				Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
			Ant-0 (dBi)	Ant-1 (dBi)	Ant-2 (dBi)	Ant-3 (dBi)		
802.11ax HE20 802.11ax HE40 802.11ax HE80 802.11ax HE160	Band 5	Beamforming	6.00	7.20	---	---	8.17	8.17
	Band 6		5.80	7.20	---	---	8.17	8.17
	Band 7		6.60	7.10	---	---	8.17	8.17
	Band 8		6.60	7.10	---	---	7.98	7.98

Directional gain = Composite Gain

5 Test Results

5.1. Conducted Emission

Standard:	FCC Part 15.407	Line:	L1
Test item:	Conducted Emission	Power:	AC 120 V/60 Hz
Mode:	Transmit Mode		
Description:			



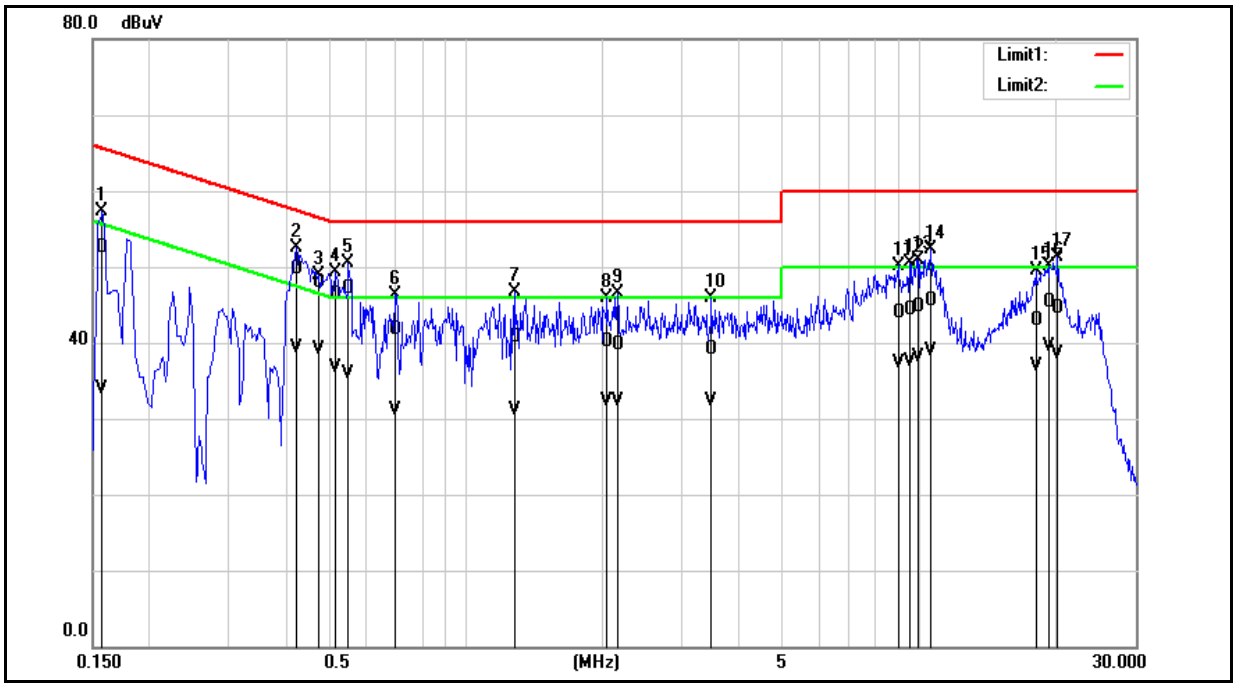
Standard:	FCC Part 15.407	Line:	L1
Test item:	Conducted Emission	Power:	AC 120 V/60 Hz
Mode:	Transmit Mode		
Description:			

No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.4220	39.93	29.34	9.56	49.49	38.90	57.41	47.41	-7.92	-8.51	Pass
2	0.4500	38.94	29.06	9.57	48.51	38.63	56.88	46.88	-8.37	-8.25	Pass
3	0.4660	38.38	29.30	9.57	47.95	38.87	56.58	46.58	-8.63	-7.71	Pass
4	0.4940	37.53	27.82	9.57	47.10	37.39	56.10	46.10	-9.00	-8.71	Pass
5	0.5180	37.01	27.65	9.58	46.59	37.23	56.00	46.00	-9.41	-8.77	Pass
6	0.5420	37.43	26.70	9.58	47.01	36.28	56.00	46.00	-8.99	-9.72	Pass
7	0.5620	34.65	23.37	9.58	44.23	32.95	56.00	46.00	-11.77	-13.05	Pass
8	0.8660	31.35	22.09	9.60	40.95	31.69	56.00	46.00	-15.05	-14.31	Pass
9	1.0700	30.35	20.80	9.61	39.96	30.41	56.00	46.00	-16.04	-15.59	Pass
10	1.1180	31.64	23.60	9.61	41.25	33.21	56.00	46.00	-14.75	-12.79	Pass
11	1.8460	30.15	22.14	9.60	39.75	31.74	56.00	46.00	-16.25	-14.26	Pass
12	3.0140	28.57	21.95	9.62	38.19	31.57	56.00	46.00	-17.81	-14.43	Pass
13	7.2500	32.99	27.25	9.76	42.75	37.01	60.00	50.00	-17.25	-12.99	Pass
14	8.6660	34.77	28.56	9.80	44.57	38.36	60.00	50.00	-15.43	-11.64	Pass
15	8.9180	34.67	28.43	9.82	44.49	38.25	60.00	50.00	-15.51	-11.75	Pass
16	9.5940	34.74	28.33	9.84	44.58	38.17	60.00	50.00	-15.42	-11.83	Pass
17	10.2100	35.85	29.42	9.86	45.71	39.28	60.00	50.00	-14.29	-10.72	Pass
18	10.5500	36.12	29.95	9.88	46.00	39.83	60.00	50.00	-14.00	-10.17	Pass
19	19.2300	34.44	28.65	10.30	44.74	38.95	60.00	50.00	-15.26	-11.05	Pass
20	19.8260	34.34	28.58	10.32	44.66	38.90	60.00	50.00	-15.34	-11.10	Pass

Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).

2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

Standard:	FCC Part 15.407	Line:	N
Test item:	Conducted Emission	Power:	AC 120 V/60 Hz
Mode:	Transmit mode		
Description:			



Standard:	FCC Part 15.407	Line:	N
Test item:	Conducted Emission	Power:	AC 120 V/60 Hz
Mode:	Transmit mode		
Description:			

No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1580	42.98	24.40	9.55	52.53	33.95	65.57	55.57	-13.04	-21.62	Pass
2	0.4220	40.08	29.74	9.60	49.68	39.34	57.41	47.41	-7.73	-8.07	Pass
3	0.4740	38.32	29.51	9.61	47.93	39.12	56.44	46.44	-8.51	-7.32	Pass
4	0.5140	36.68	27.16	9.61	46.29	36.77	56.00	46.00	-9.71	-9.23	Pass
5	0.5500	37.57	26.29	9.61	47.18	35.90	56.00	46.00	-8.82	-10.10	Pass
6	0.6980	32.02	21.53	9.61	41.63	31.14	56.00	46.00	-14.37	-14.86	Pass
7	1.2820	31.16	21.53	9.63	40.79	31.16	56.00	46.00	-15.21	-14.84	Pass
8	2.0460	30.56	22.68	9.64	40.20	32.32	56.00	46.00	-15.80	-13.68	Pass
9	2.1620	30.14	22.65	9.64	39.78	32.29	56.00	46.00	-16.22	-13.71	Pass
10	3.4820	29.47	22.72	9.65	39.12	32.37	56.00	46.00	-16.88	-13.63	Pass
11	8.9940	33.96	27.40	9.89	43.85	37.29	60.00	50.00	-16.15	-12.71	Pass
12	9.5380	34.43	27.64	9.91	44.34	37.55	60.00	50.00	-15.66	-12.45	Pass
13	9.9380	34.67	28.18	9.94	44.61	38.12	60.00	50.00	-15.39	-11.88	Pass
14	10.5820	35.50	29.00	9.96	45.46	38.96	60.00	50.00	-14.54	-11.04	Pass
15	18.0620	32.73	26.92	10.08	42.81	37.00	60.00	50.00	-17.19	-13.00	Pass
16	19.4180	35.15	29.39	10.10	45.25	39.49	60.00	50.00	-14.75	-10.51	Pass
17	20.1700	34.42	28.48	10.11	44.53	38.59	60.00	50.00	-15.47	-11.41	Pass

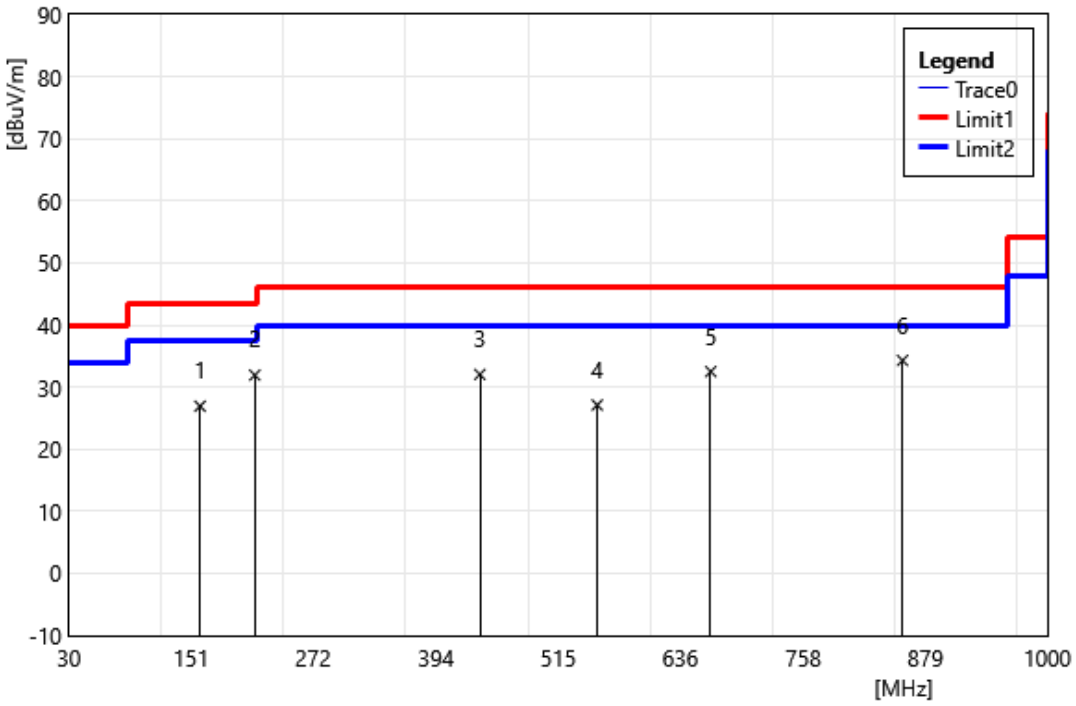
Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).

2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

5.2. Radiated Emission Measurement

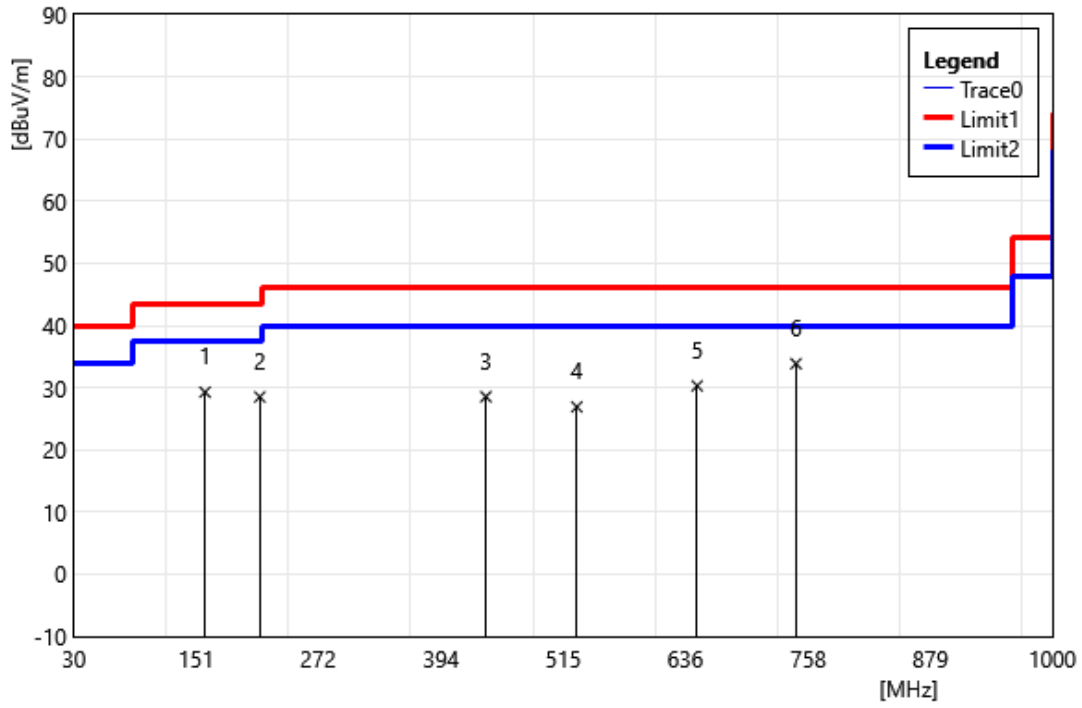
Below 1 GHz

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	Transmit Mode		
Polarization:	Vertical		
Remark:			



ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	159.98	33.86	-6.92	26.94	43.50	-16.56	QP
2	214.30	41.52	-9.58	31.94	43.50	-11.56	QP
3	437.40	35.04	-2.98	32.06	46.00	-13.94	QP
4	553.80	28.02	-0.90	27.12	46.00	-18.88	QP
5	666.32	31.33	1.18	32.51	46.00	-13.49	QP
6	856.44	29.69	4.61	34.30	46.00	-11.70	QP

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	Transmit Mode		
Polarization:	Horizontal		
Remark:			

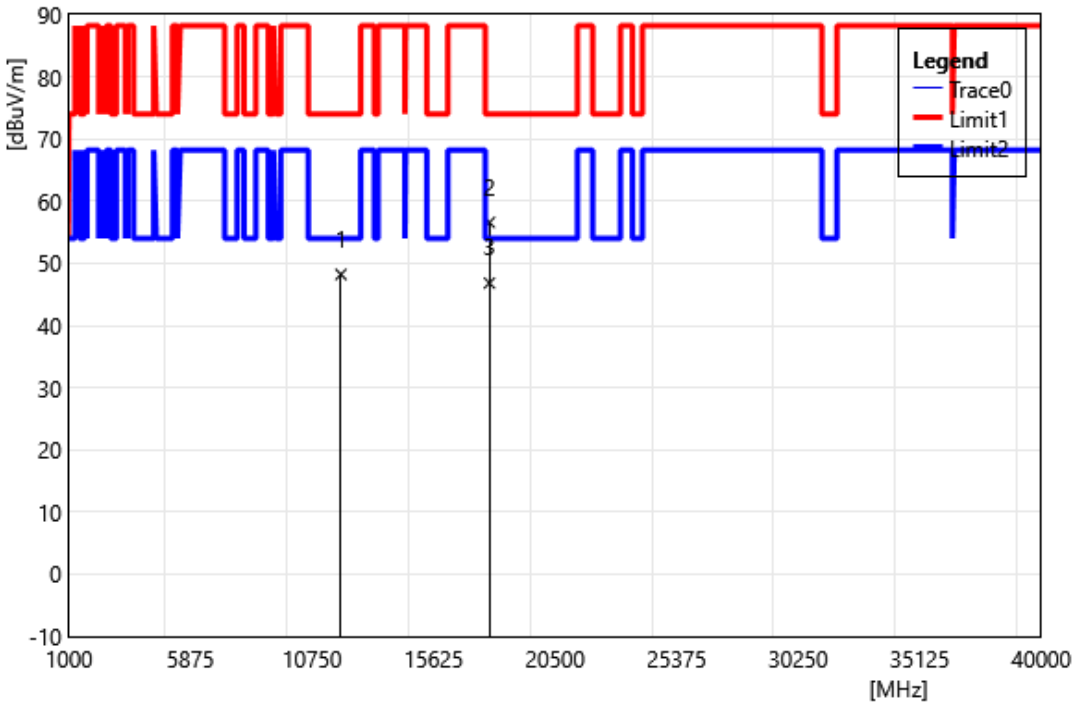


ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	159.98	36.21	-6.92	29.29	43.50	-14.21	QP
2	214.30	38.09	-9.58	28.51	43.50	-14.99	QP
3	438.37	31.50	-2.95	28.55	46.00	-17.45	QP
4	528.58	28.59	-1.67	26.92	46.00	-19.08	QP
5	647.89	29.12	1.18	30.30	46.00	-15.71	QP
6	745.86	30.65	3.21	33.86	46.00	-12.14	QP

Harmonic

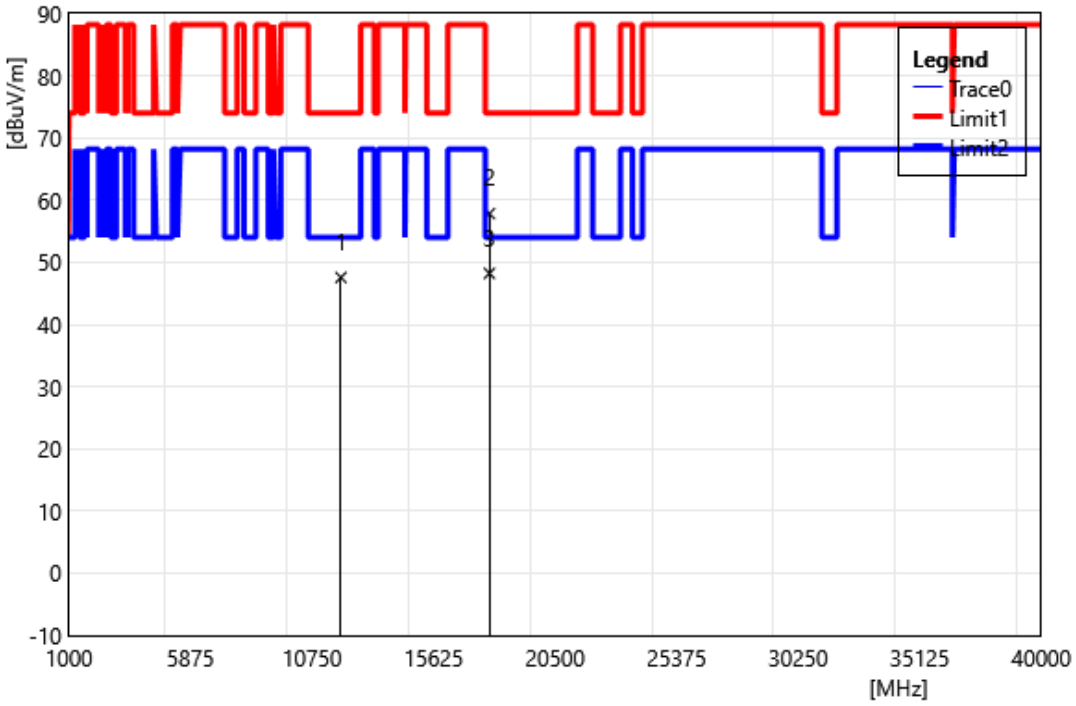
Above 1 GHz

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 5955 MHz		
Polarization:	Vertical		
Remark:			



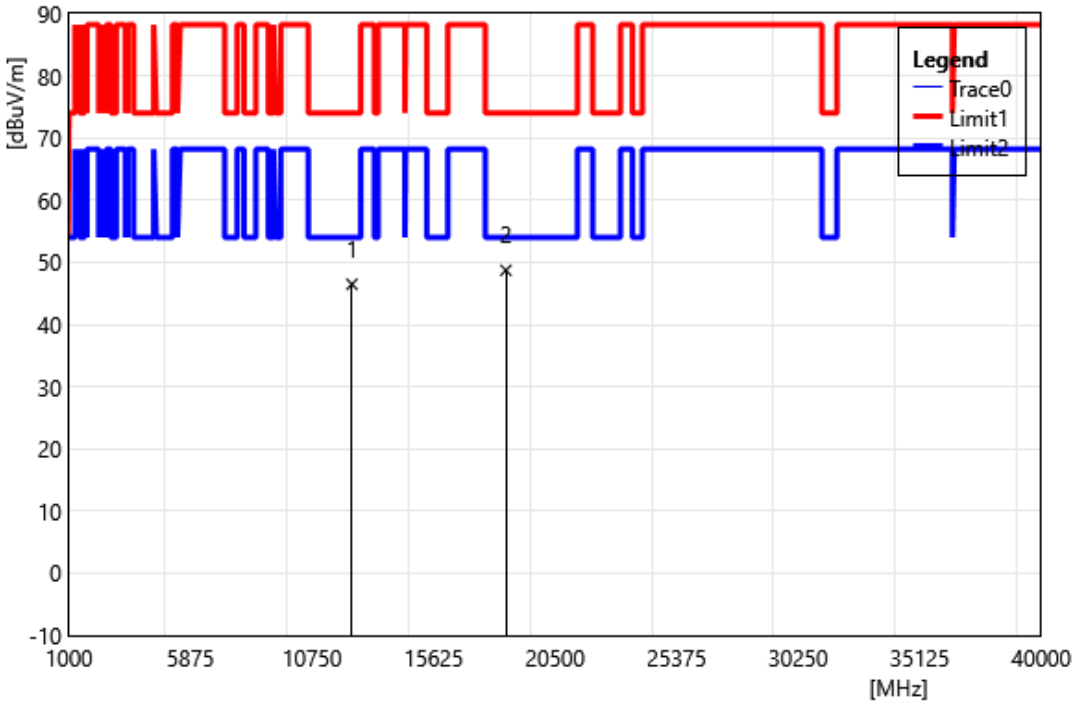
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	11910.00	36.56	11.66	48.22	74.00	-25.78	PEAK
2	17865.00	32.44	24.14	56.58	74.00	-17.42	PEAK
3	17865.00	22.69	24.14	46.83	54.00	-7.17	AVG

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 5955 MHz		
Polarization:	Horizontal		
Remark:			



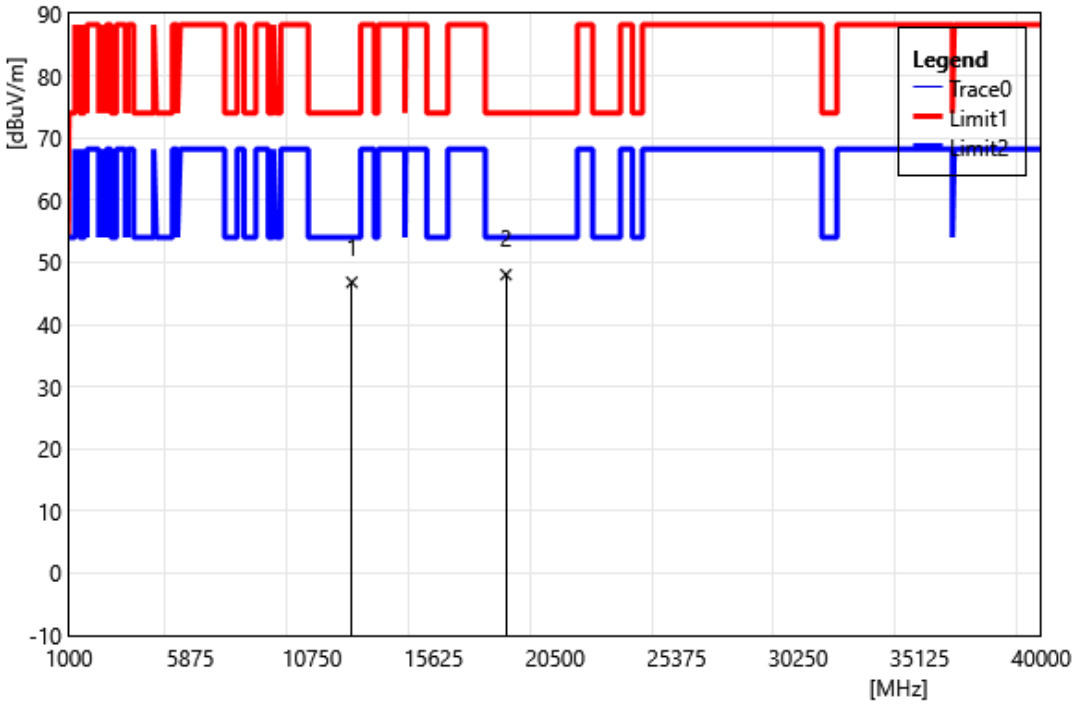
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	11910.00	35.90	11.66	47.56	74.00	-26.44	PEAK
2	17865.00	33.70	24.14	57.84	74.00	-16.16	PEAK
3	17865.00	24.09	24.14	48.23	54.00	-5.77	AVG

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 6175 MHz		
Polarization:	Vertical		
Remark:			



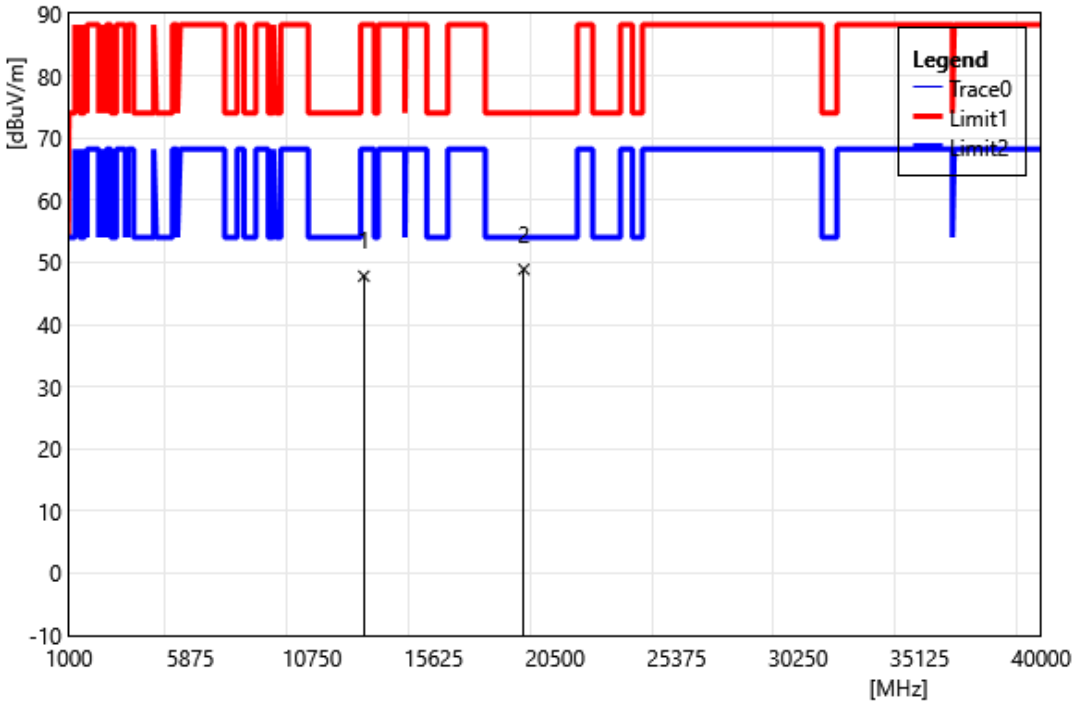
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12350.00	34.77	11.71	46.48	74.00	-27.52	PEAK
2	18525.00	33.81	14.91	48.72	74.00	-25.28	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 6175 MHz		
Polarization:	Horizontal		
Remark:			



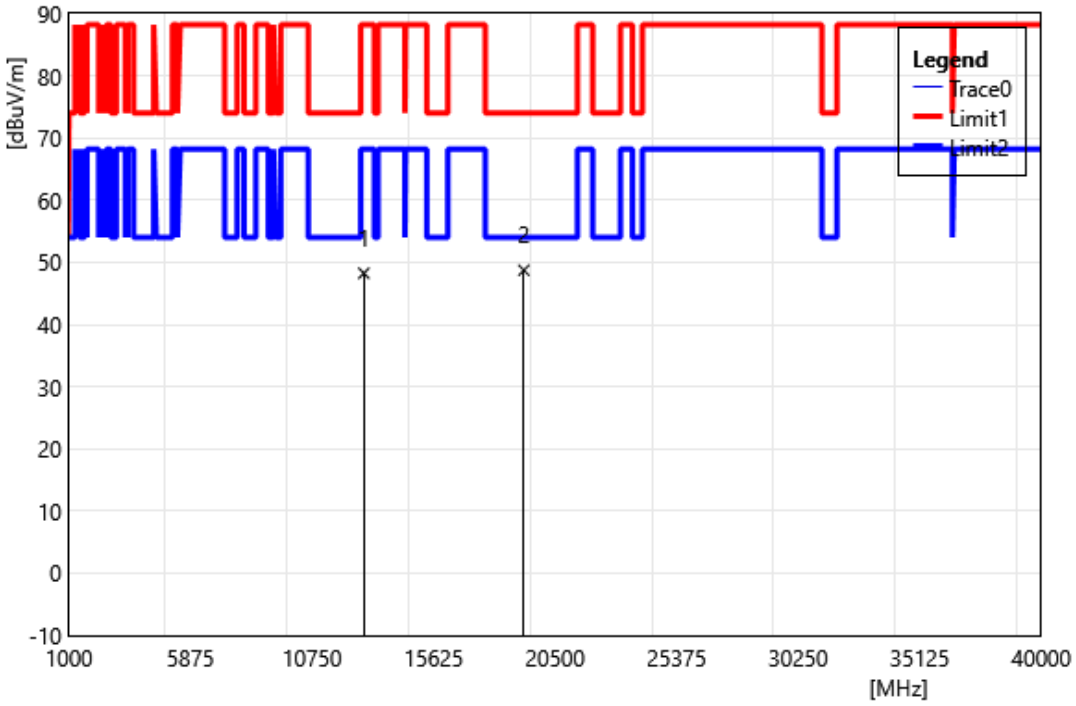
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12350.00	35.08	11.71	46.79	74.00	-27.21	PEAK
2	18525.00	33.11	14.91	48.02	74.00	-25.98	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 6415 MHz		
Polarization:	Vertical		
Remark:			



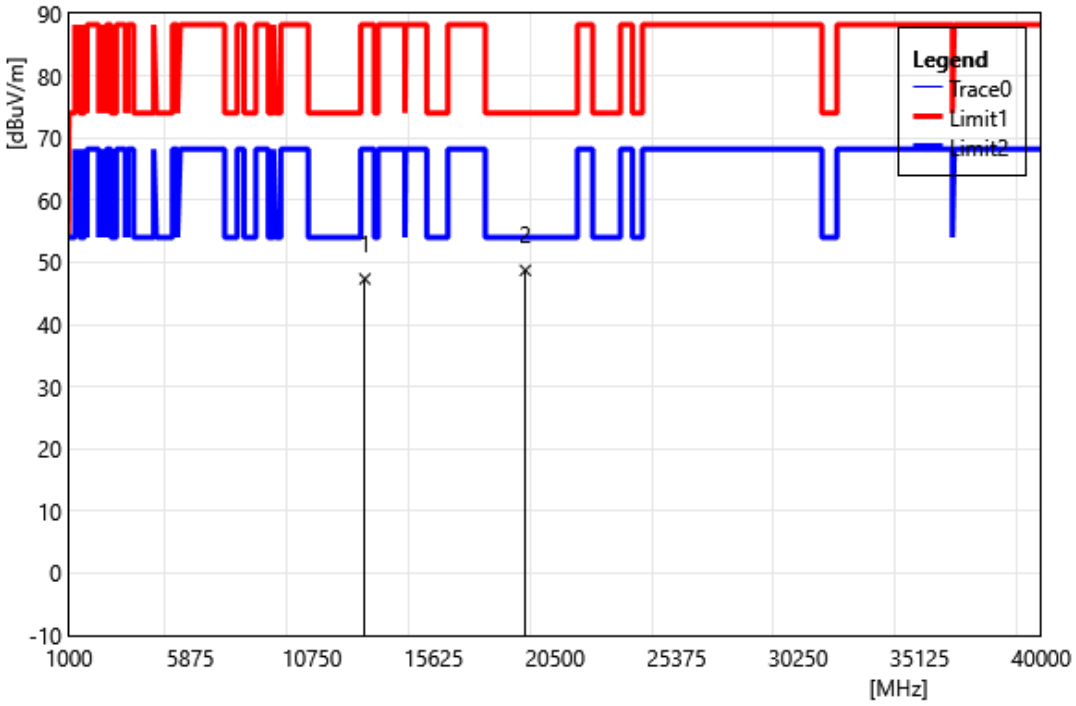
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12830.00	35.00	12.77	47.77	88.20	-40.43	PEAK
2	19245.00	32.83	16.04	48.87	74.00	-25.13	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 6415 MHz		
Polarization:	Horizontal		
Remark:			



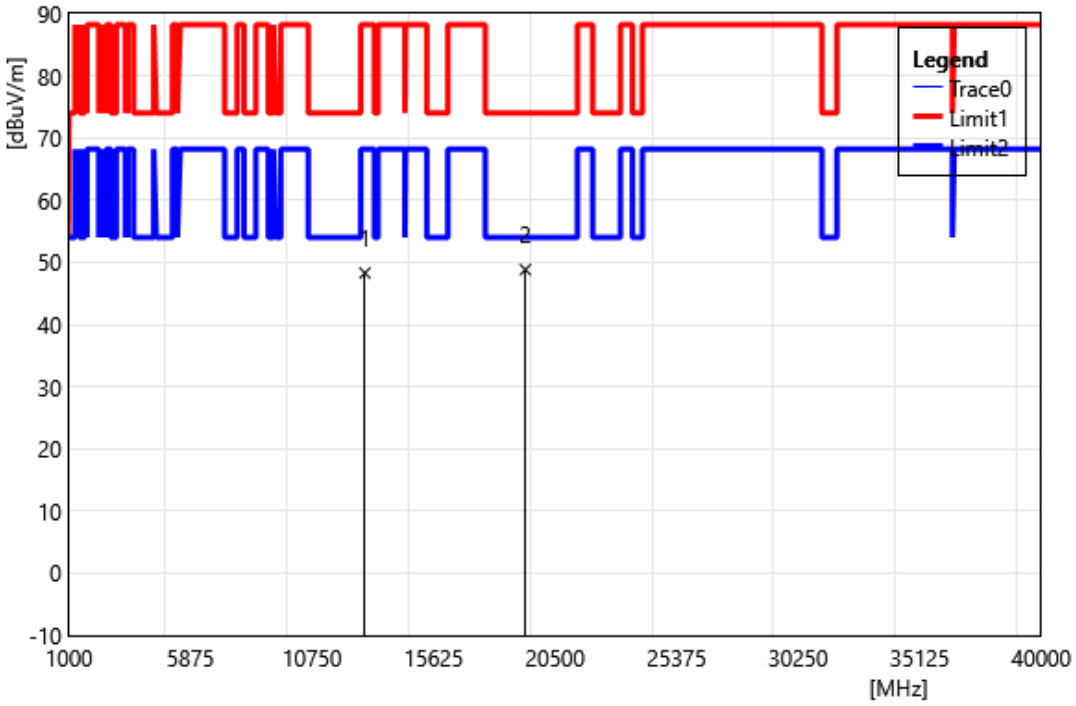
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12830.00	35.48	12.77	48.25	88.20	-39.95	PEAK
2	19245.00	32.70	16.04	48.74	74.00	-25.26	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 6435 MHz		
Polarization:	Vertical		
Remark:			



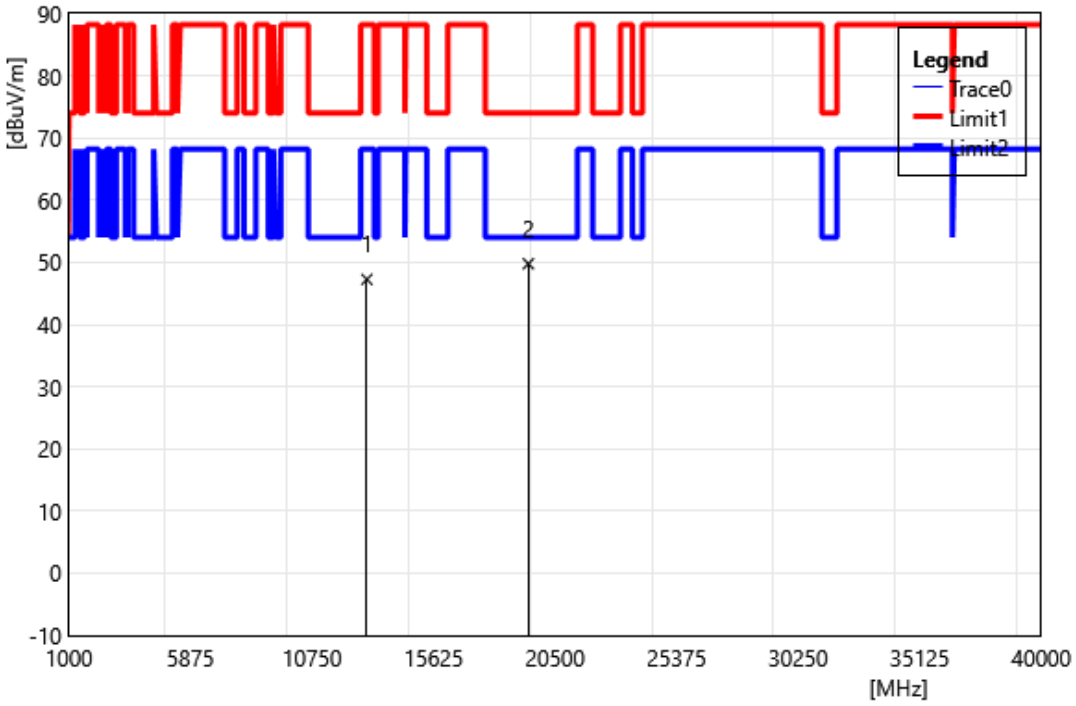
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12870.00	34.52	12.81	47.33	88.20	-40.87	PEAK
2	19305.00	32.57	16.15	48.72	74.00	-25.28	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 6435 MHz		
Polarization:	Horizontal		
Remark:			



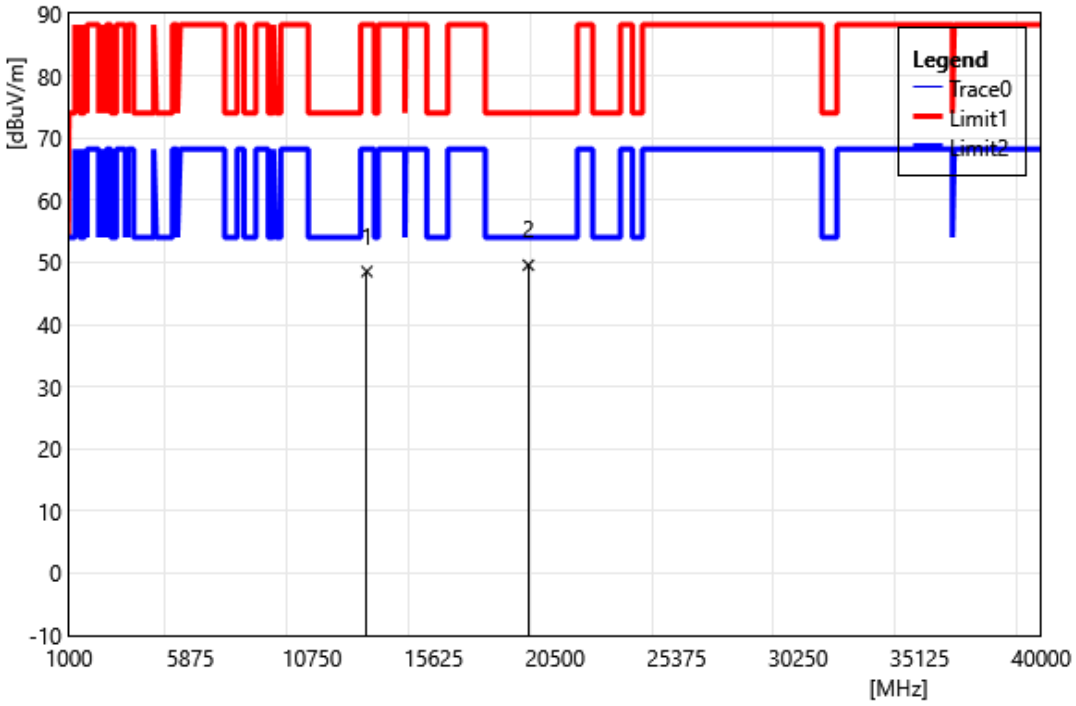
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12870.00	35.48	12.81	48.29	88.20	-39.91	PEAK
2	19305.00	32.68	16.15	48.83	74.00	-25.17	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 6475 MHz		
Polarization:	Vertical		
Remark:			



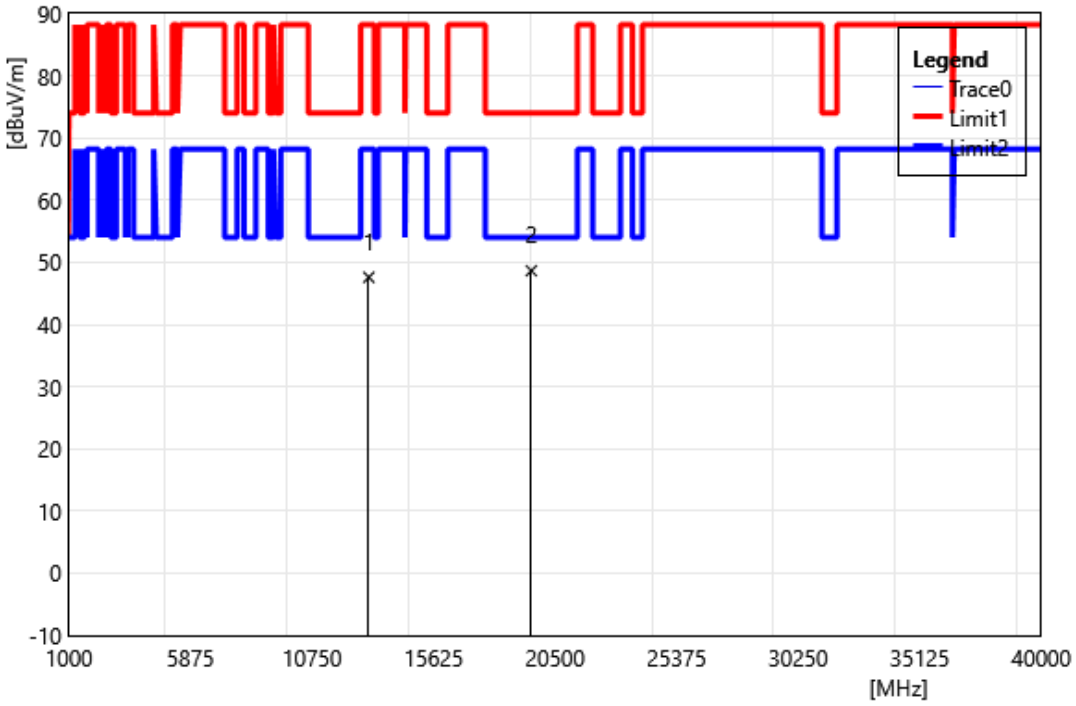
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12950.00	34.32	12.94	47.26	88.20	-40.94	PEAK
2	19425.00	33.39	16.38	49.77	74.00	-24.23	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 6475 MHz		
Polarization:	Horizontal		
Remark:			



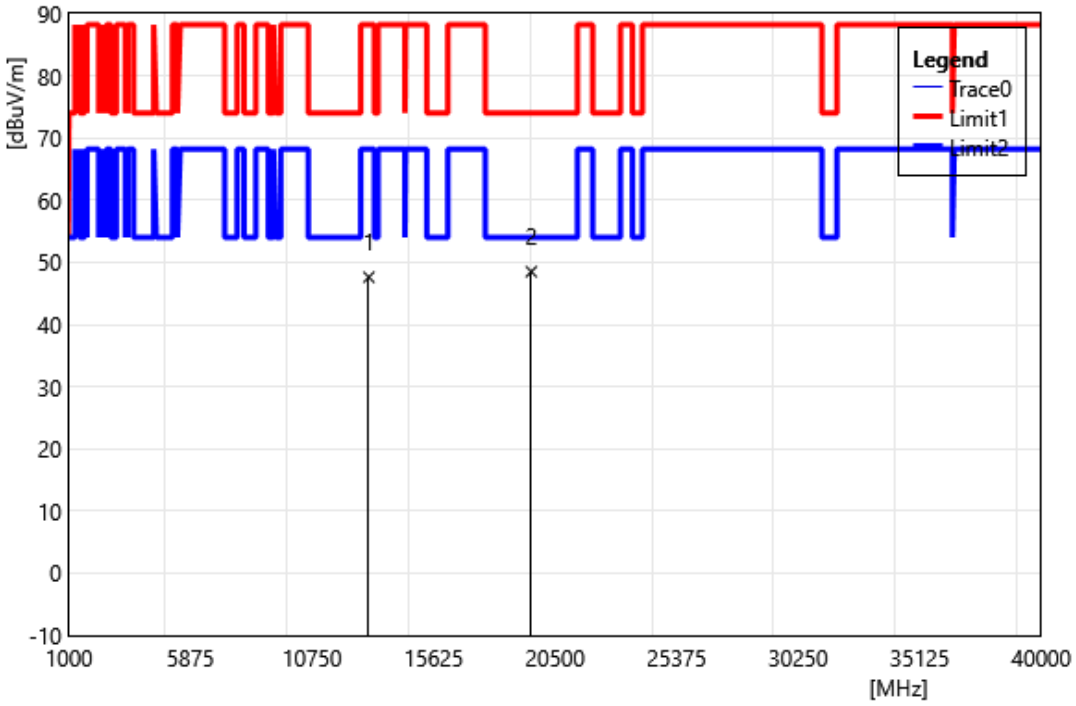
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12950.00	35.58	12.94	48.52	88.20	-39.68	PEAK
2	19425.00	33.17	16.38	49.55	74.00	-24.45	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 6515 MHz		
Polarization:	Vertical		
Remark:			



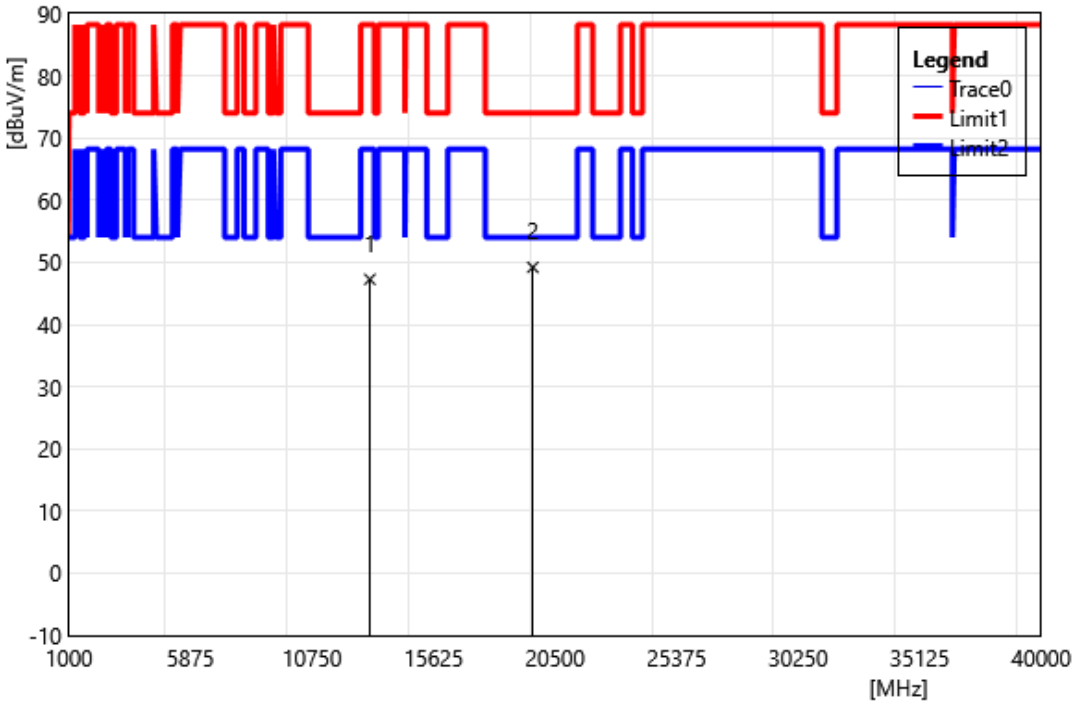
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13030.00	34.59	13.01	47.60	88.20	-40.60	PEAK
2	19545.00	32.80	15.84	48.64	74.00	-25.36	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 6515 MHz		
Polarization:	Horizontal		
Remark:			



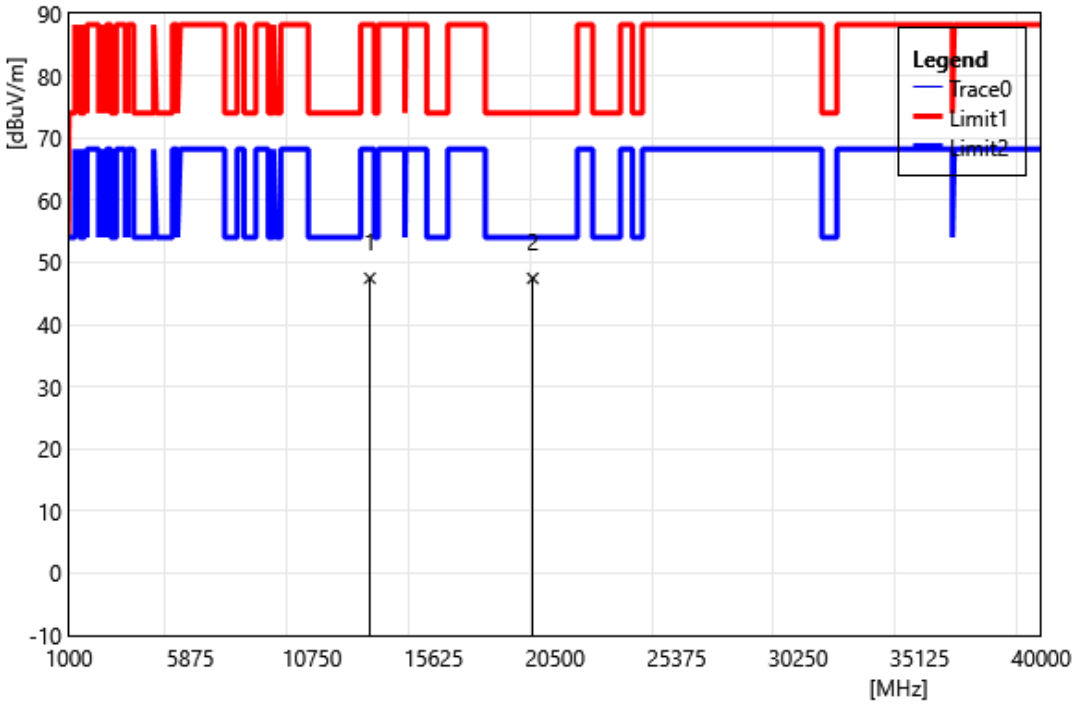
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13030.00	34.60	13.01	47.61	88.20	-40.59	PEAK
2	19545.00	32.65	15.84	48.49	74.00	-25.51	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 6535 MHz		
Polarization:	Vertical		
Remark:			



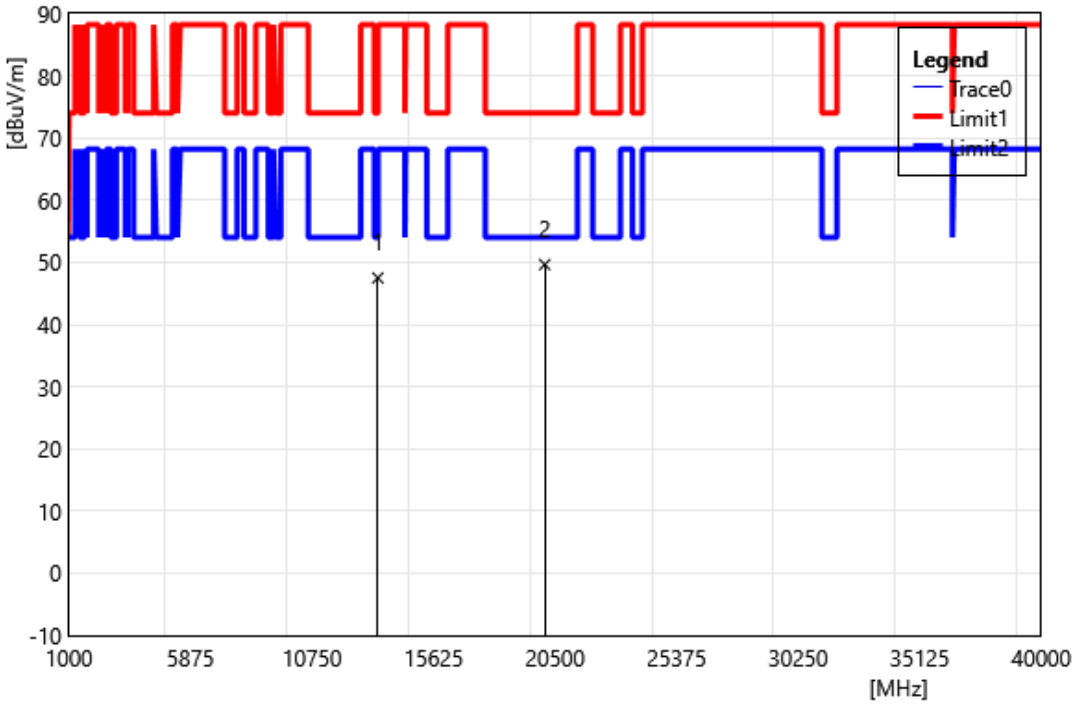
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13070.00	34.30	12.97	47.27	88.20	-40.93	PEAK
2	19605.00	33.28	15.93	49.21	74.00	-24.79	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 6535 MHz		
Polarization:	Horizontal		
Remark:			



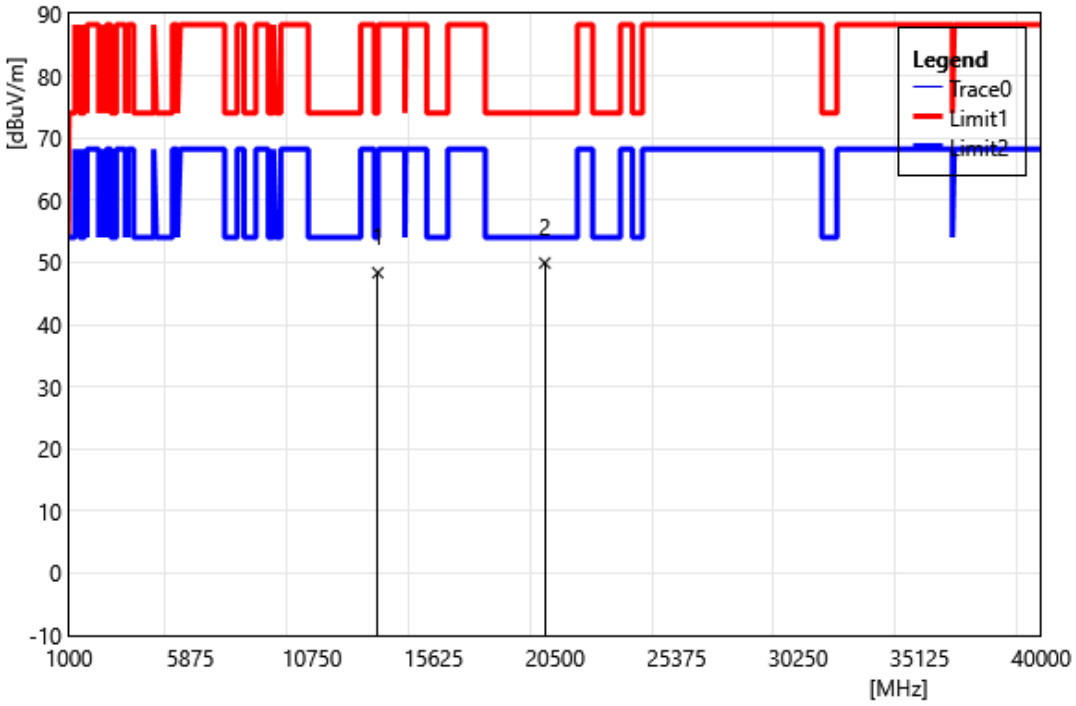
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13070.00	34.47	12.97	47.44	88.20	-40.76	PEAK
2	19605.00	31.50	15.93	47.43	74.00	-26.57	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 6695 MHz		
Polarization:	Vertical		
Remark:			



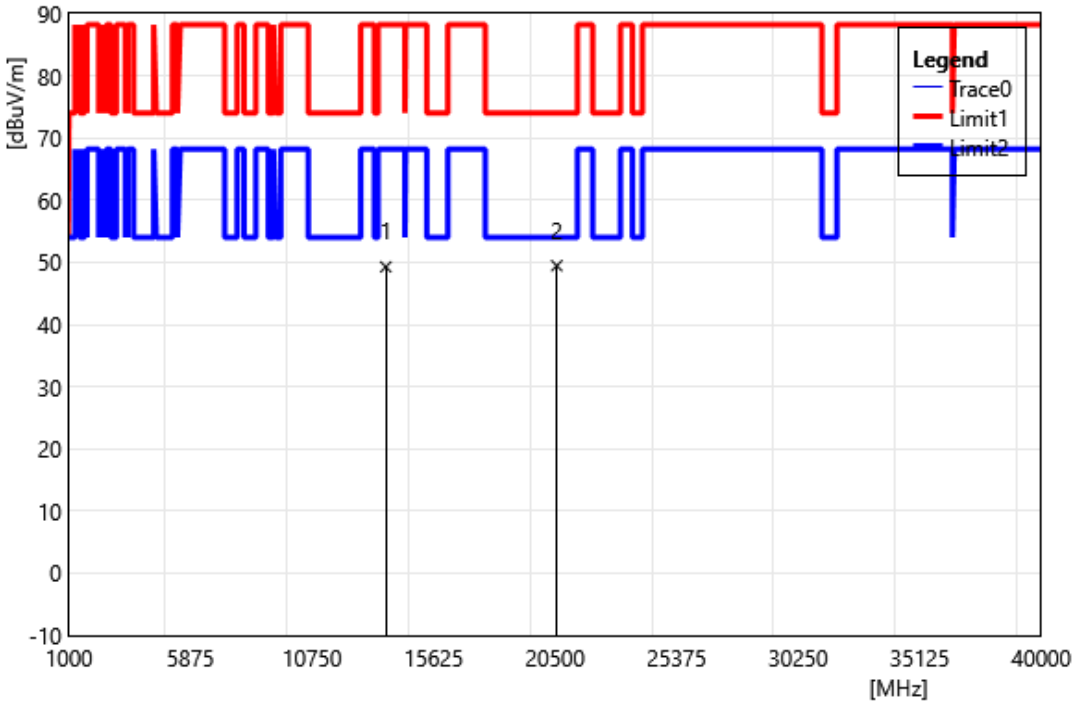
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13390.00	33.72	13.78	47.50	74.00	-26.50	PEAK
2	20085.00	33.43	16.22	49.65	74.00	-24.35	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 6695 MHz		
Polarization:	Horizontal		
Remark:			



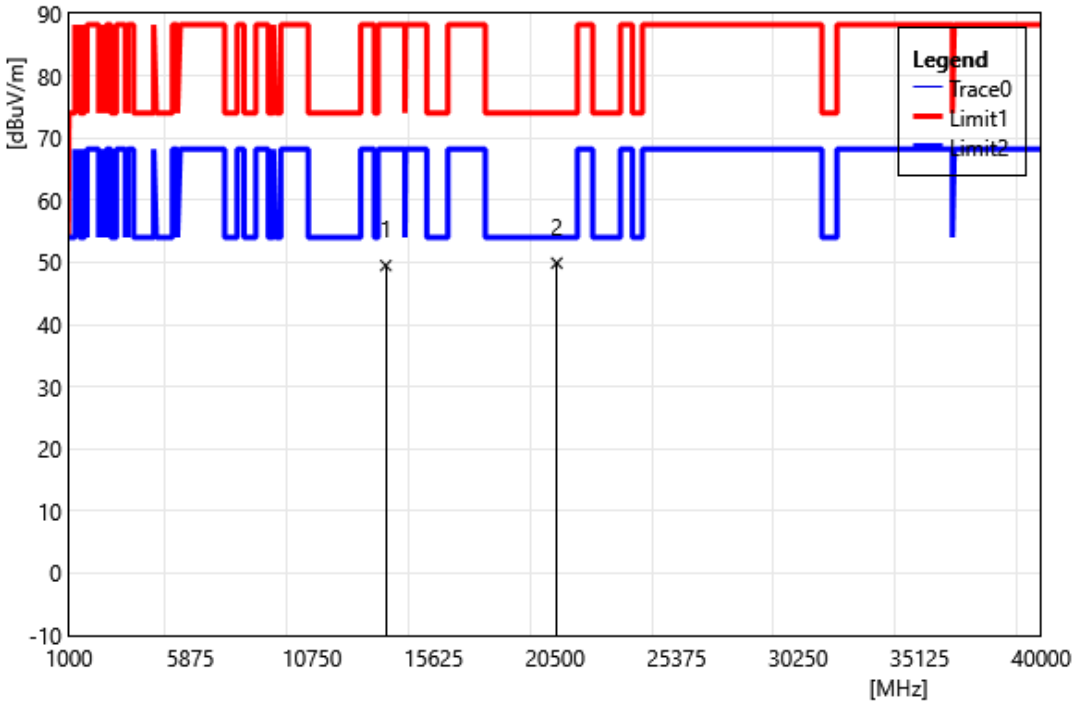
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13390.00	34.55	13.78	48.33	74.00	-25.67	PEAK
2	20085.00	33.68	16.22	49.90	74.00	-24.10	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 6855 MHz		
Polarization:	Vertical		
Remark:			



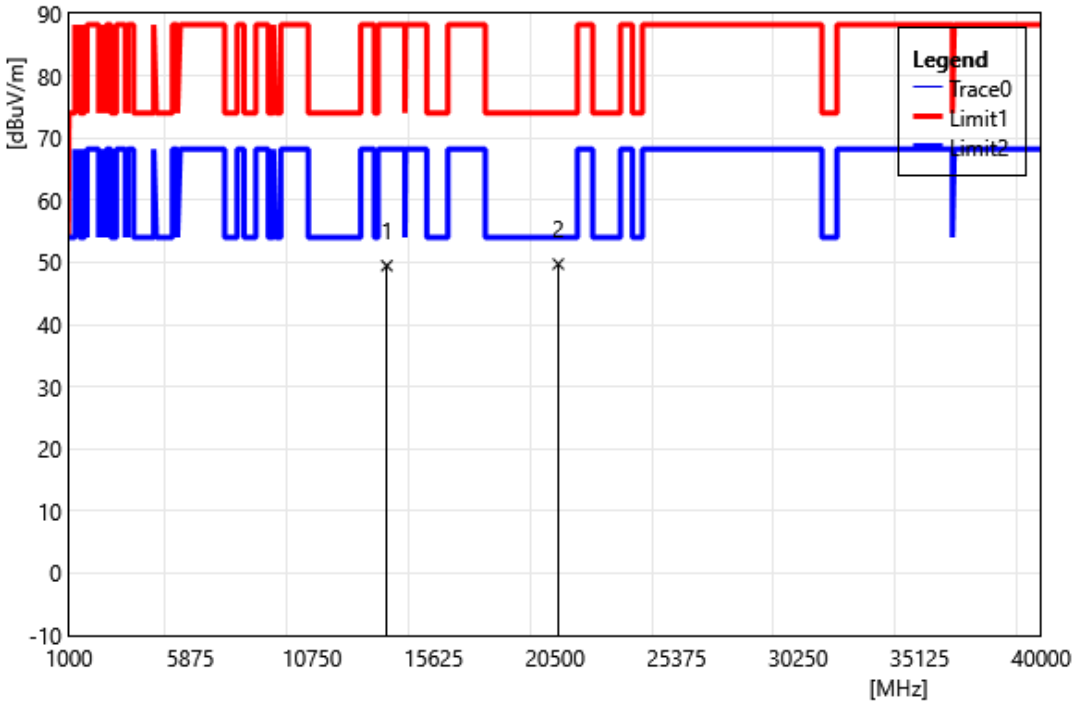
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13710.00	34.71	14.57	49.28	88.20	-38.92	PEAK
2	20565.00	32.88	16.59	49.47	74.00	-24.53	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 6855 MHz		
Polarization:	Horizontal		
Remark:			



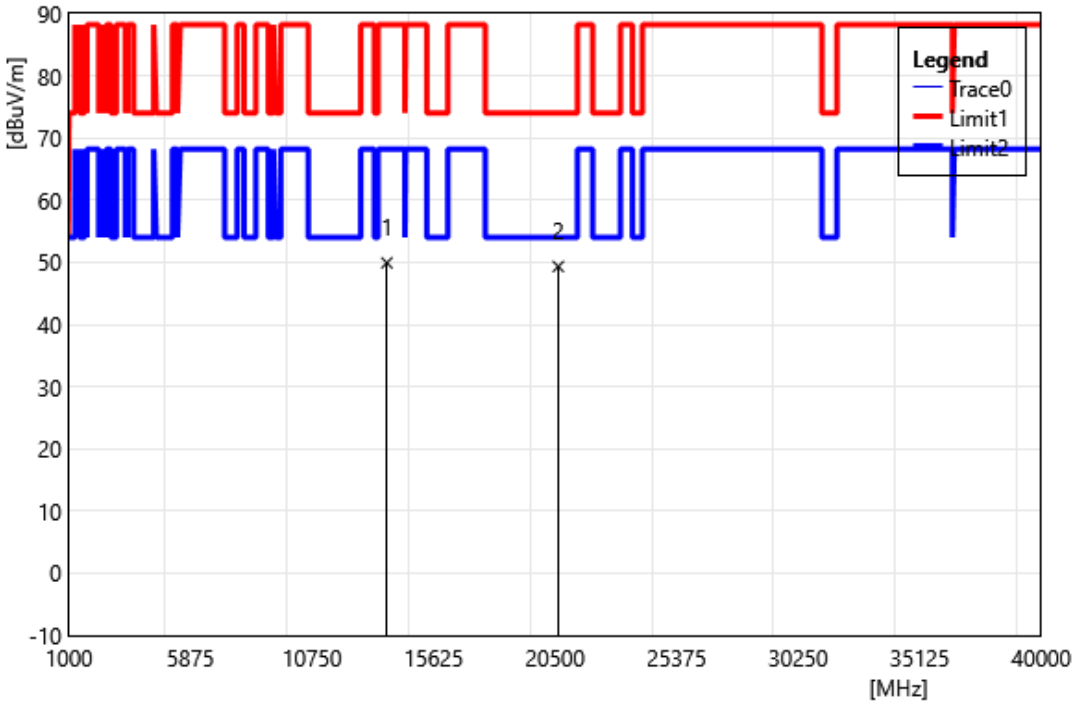
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13710.00	34.91	14.57	49.48	88.20	-38.72	PEAK
2	20565.00	33.29	16.59	49.88	74.00	-24.12	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 6875 MHz		
Polarization:	Vertical		
Remark:			



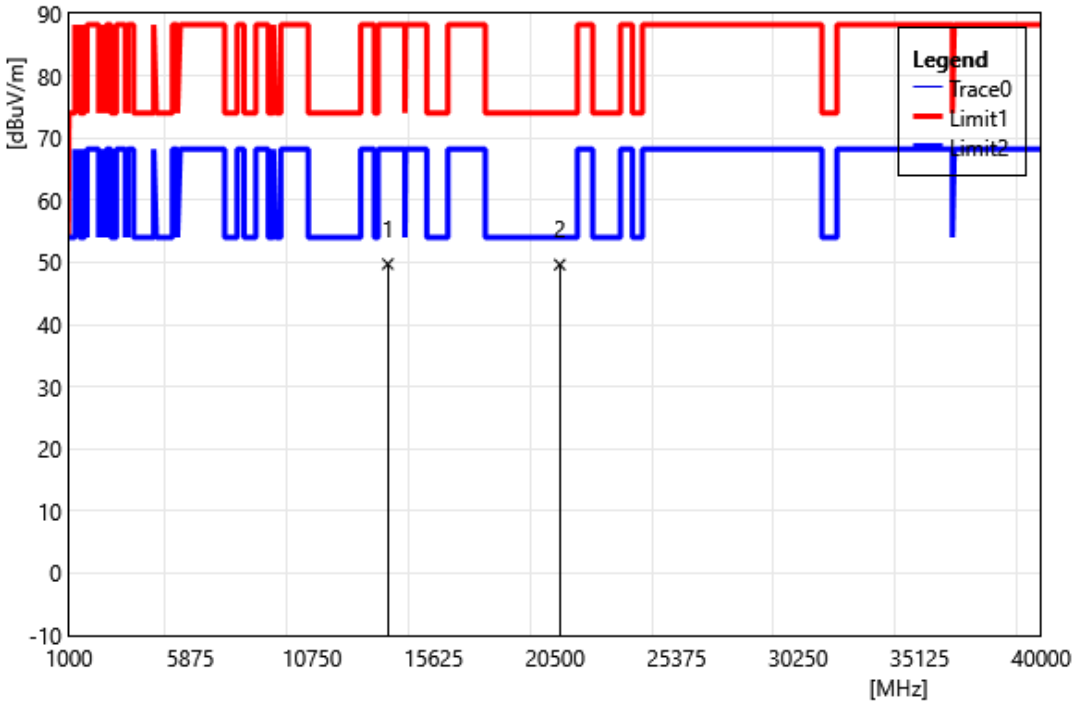
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13750.00	35.02	14.44	49.46	88.20	-38.74	PEAK
2	20625.00	33.06	16.66	49.72	74.00	-24.28	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 6875 MHz		
Polarization:	Horizontal		
Remark:			



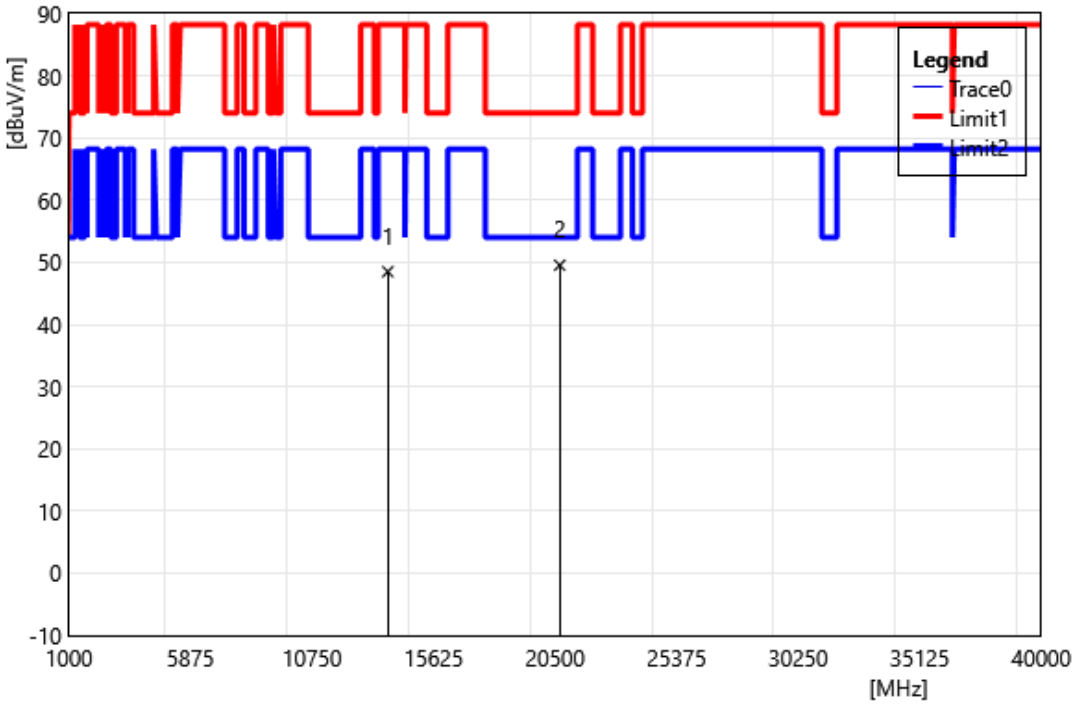
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13750.00	35.48	14.44	49.92	88.20	-38.28	PEAK
2	20625.00	32.68	16.66	49.34	74.00	-24.66	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 6895 MHz		
Polarization:	Vertical		
Remark:			



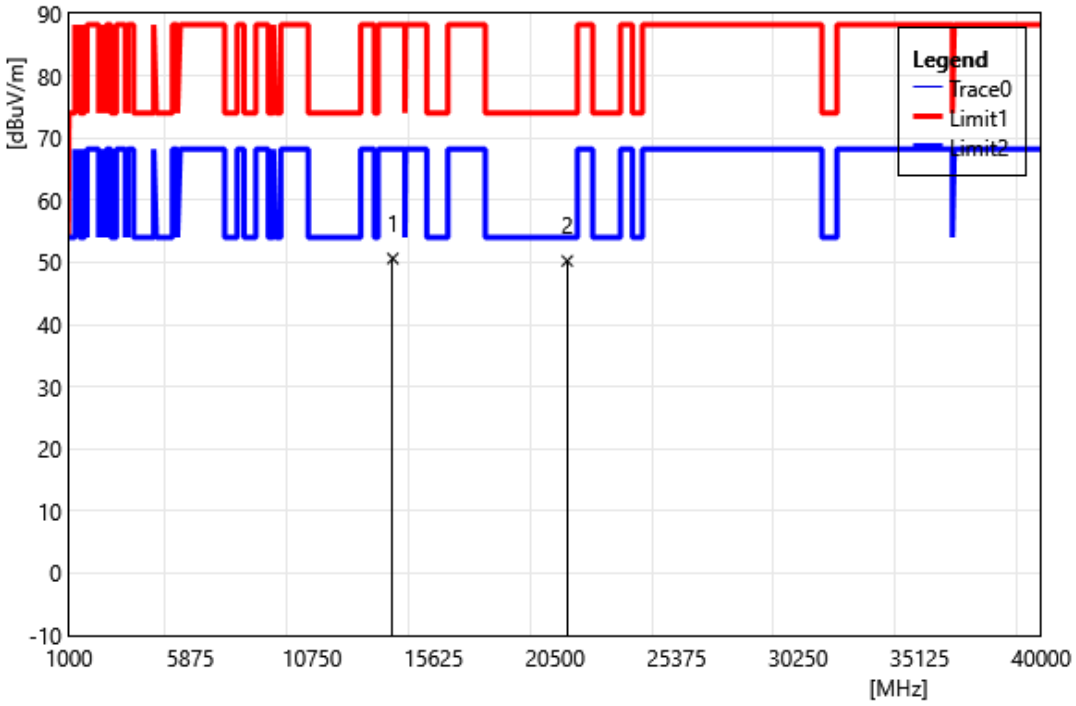
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13790.00	35.41	14.31	49.72	88.20	-38.48	PEAK
2	20685.00	32.88	16.74	49.62	74.00	-24.38	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 6895 MHz		
Polarization:	Horizontal		
Remark:			



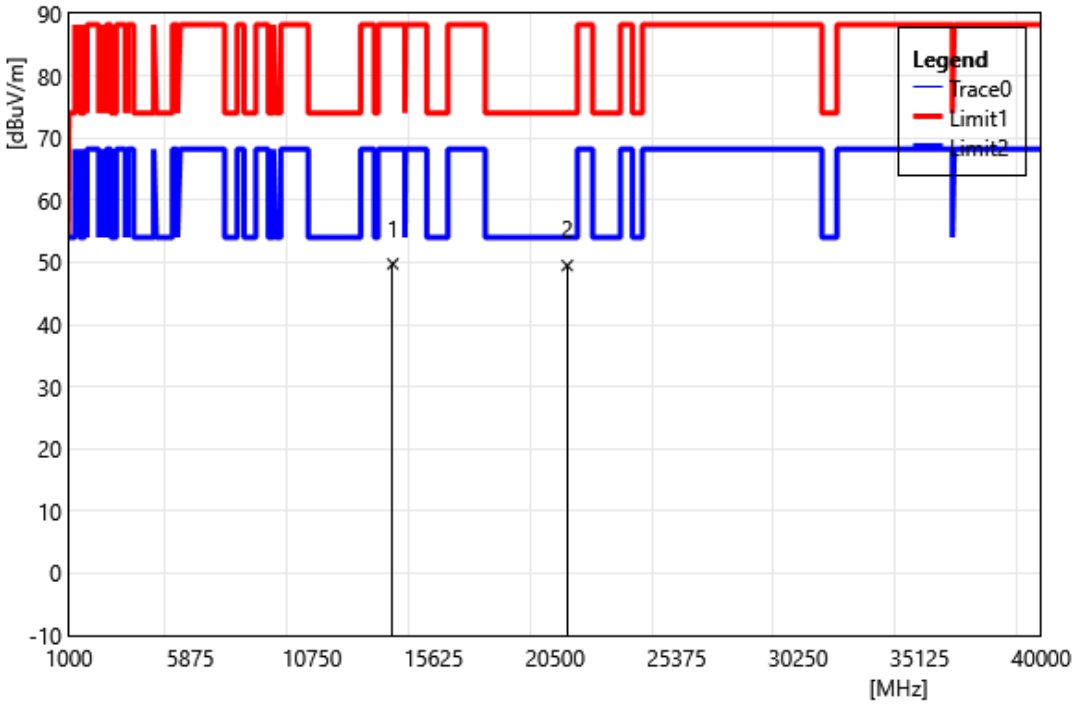
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13790.00	34.18	14.31	48.49	88.20	-39.71	PEAK
2	20685.00	32.80	16.74	49.54	74.00	-24.46	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 6995 MHz		
Polarization:	Vertical		
Remark:			



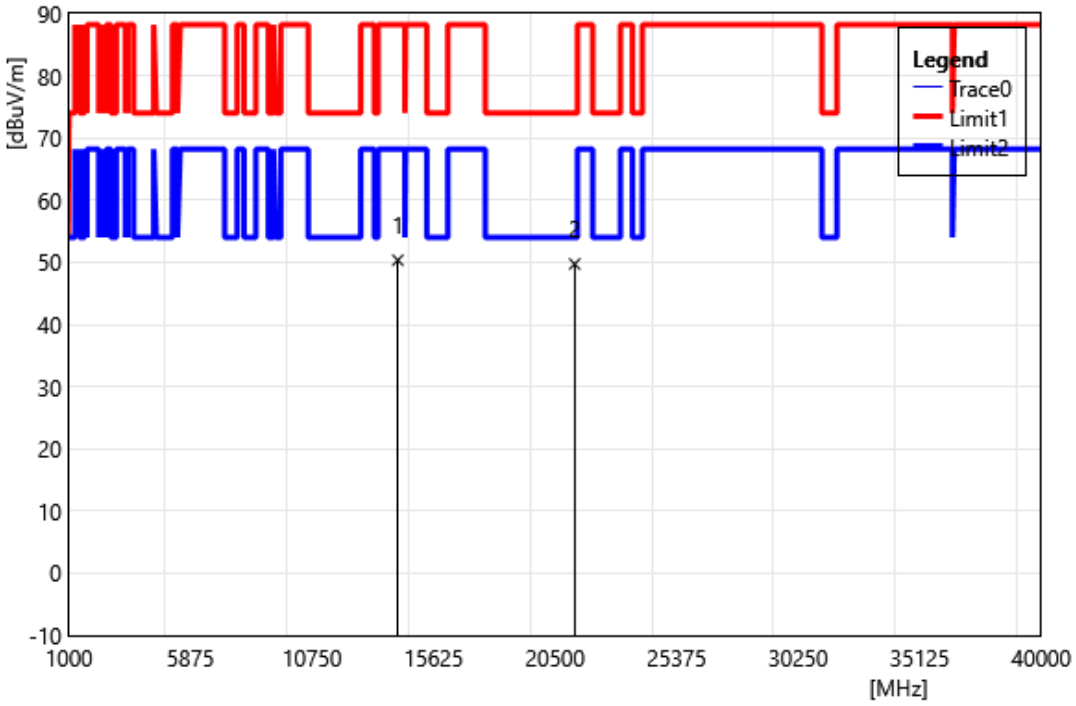
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13990.00	35.77	14.85	50.62	88.20	-37.58	PEAK
2	20985.00	33.10	17.12	50.22	74.00	-23.78	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 6995 MHz		
Polarization:	Horizontal		
Remark:			



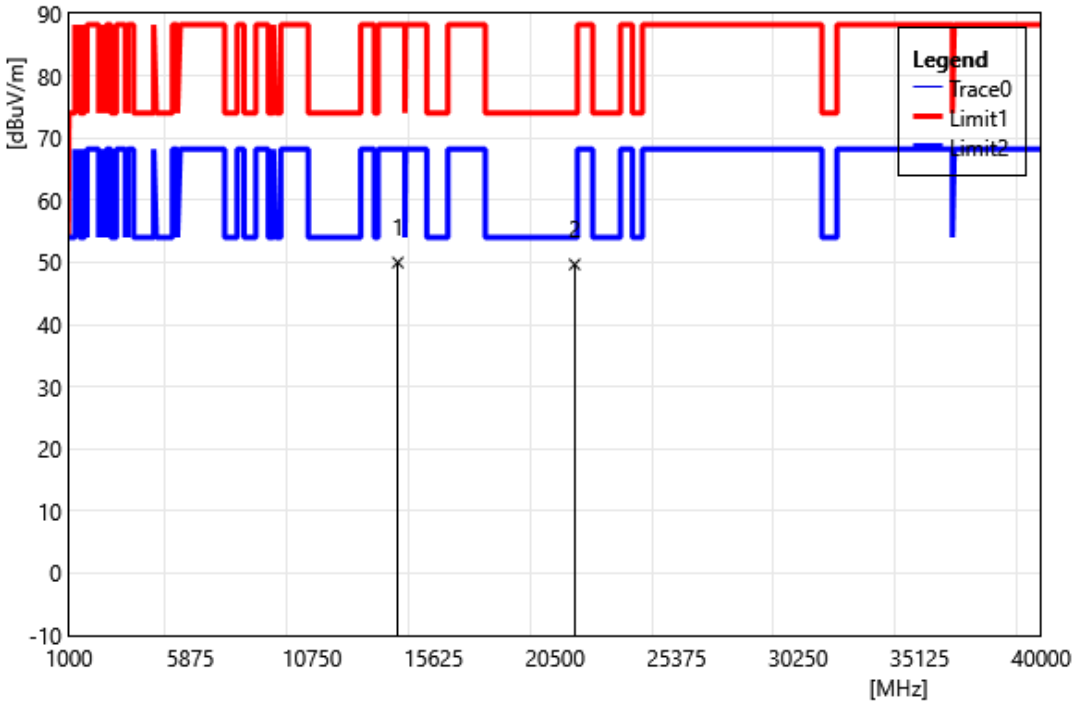
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13990.00	34.89	14.85	49.74	88.20	-38.46	PEAK
2	20985.00	32.37	17.12	49.49	74.00	-24.51	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 7095 MHz		
Polarization:	Vertical		
Remark:			



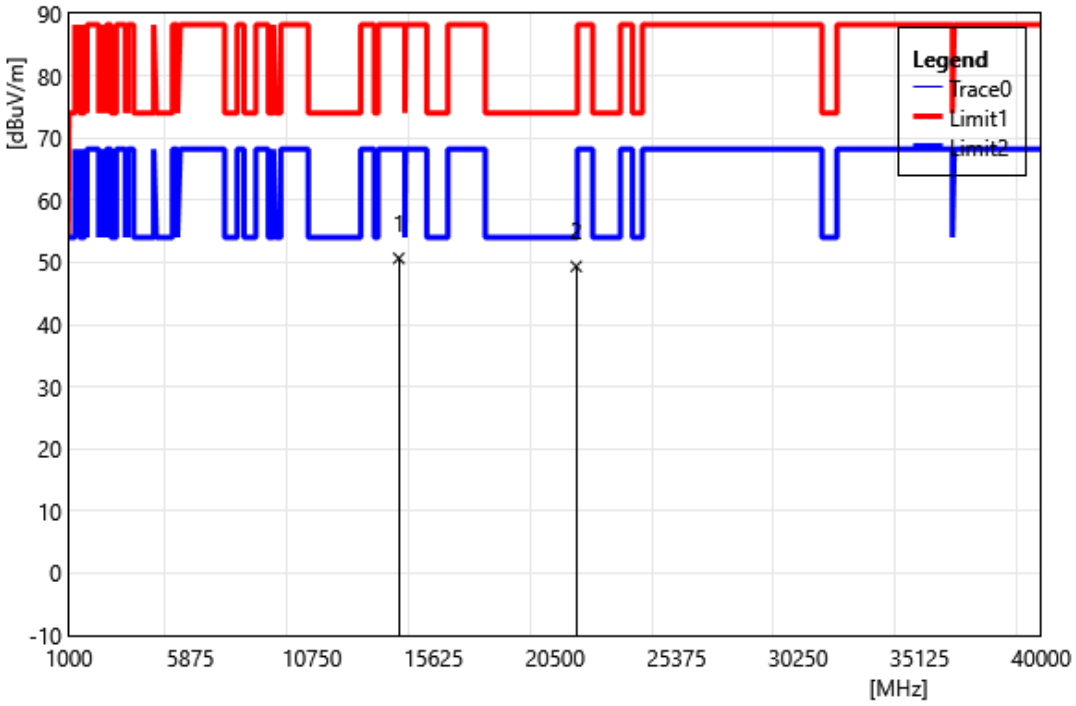
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	14190.00	34.84	15.49	50.33	88.20	-37.87	PEAK
2	21285.00	33.34	16.39	49.73	74.00	-24.27	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 7095 MHz		
Polarization:	Horizontal		
Remark:			



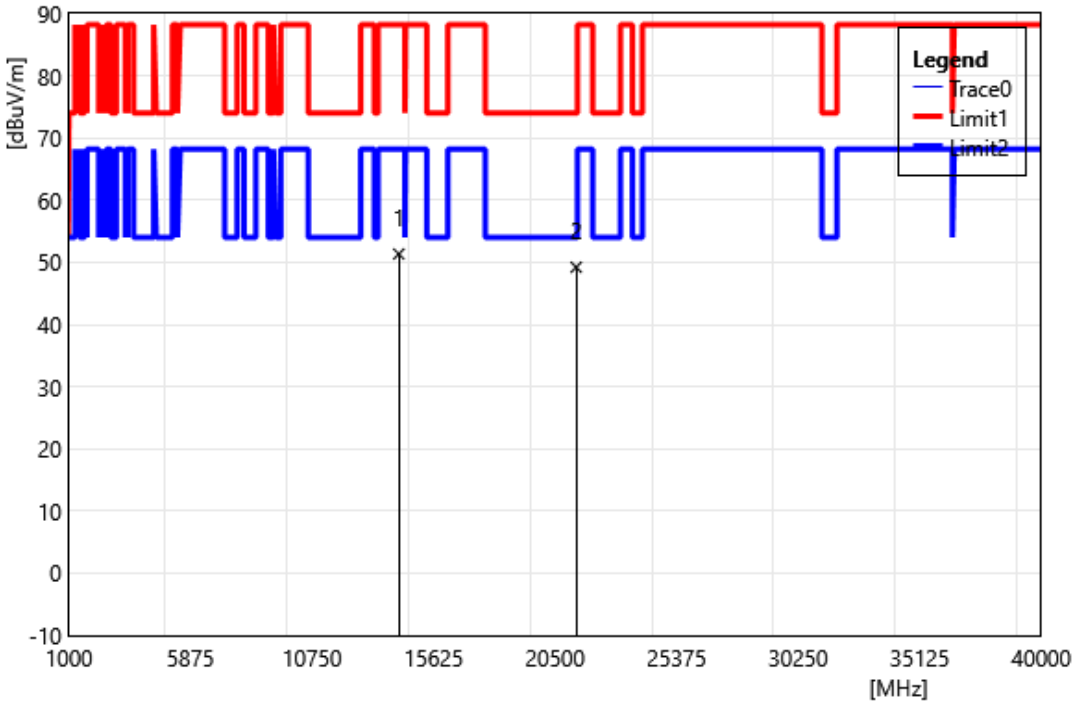
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	14190.00	34.47	15.49	49.96	88.20	-38.24	PEAK
2	21285.00	33.28	16.39	49.67	74.00	-24.33	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 7115 MHz		
Polarization:	Vertical		
Remark:			



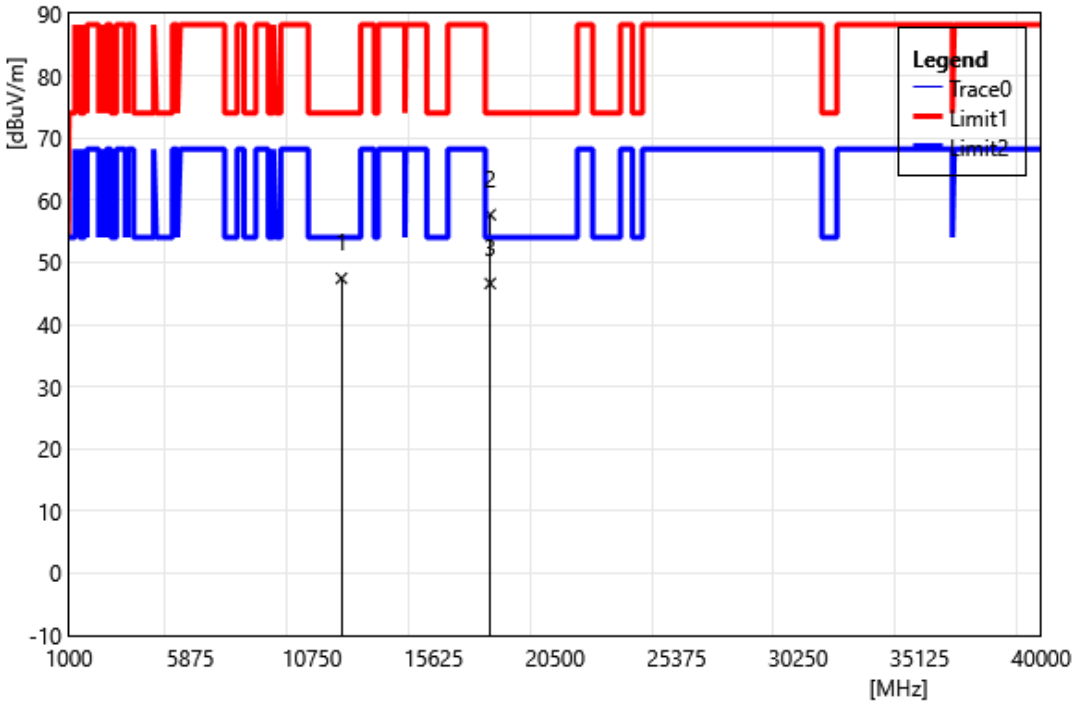
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	14230.00	35.07	15.58	50.65	88.20	-37.55	PEAK
2	21345.00	32.90	16.44	49.34	74.00	-24.66	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE20 7115 MHz		
Polarization:	Horizontal		
Remark:			



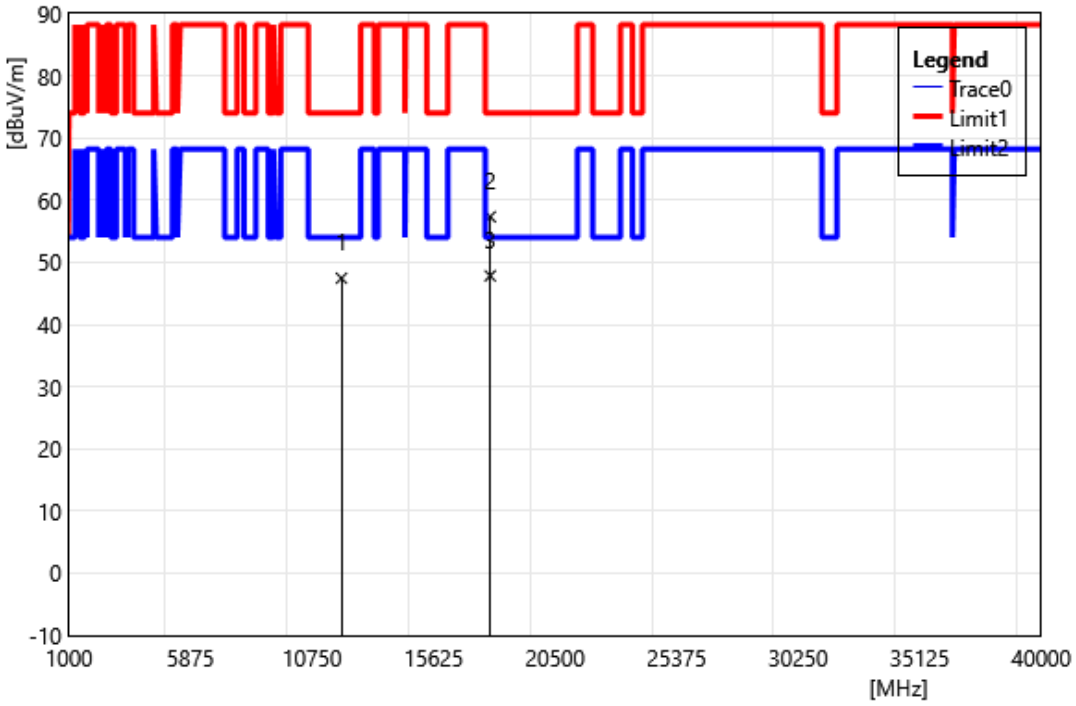
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	14230.00	35.76	15.58	51.34	88.20	-36.86	PEAK
2	21345.00	32.78	16.44	49.22	74.00	-24.78	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 5965 MHz		
Polarization:	Vertical		
Remark:			



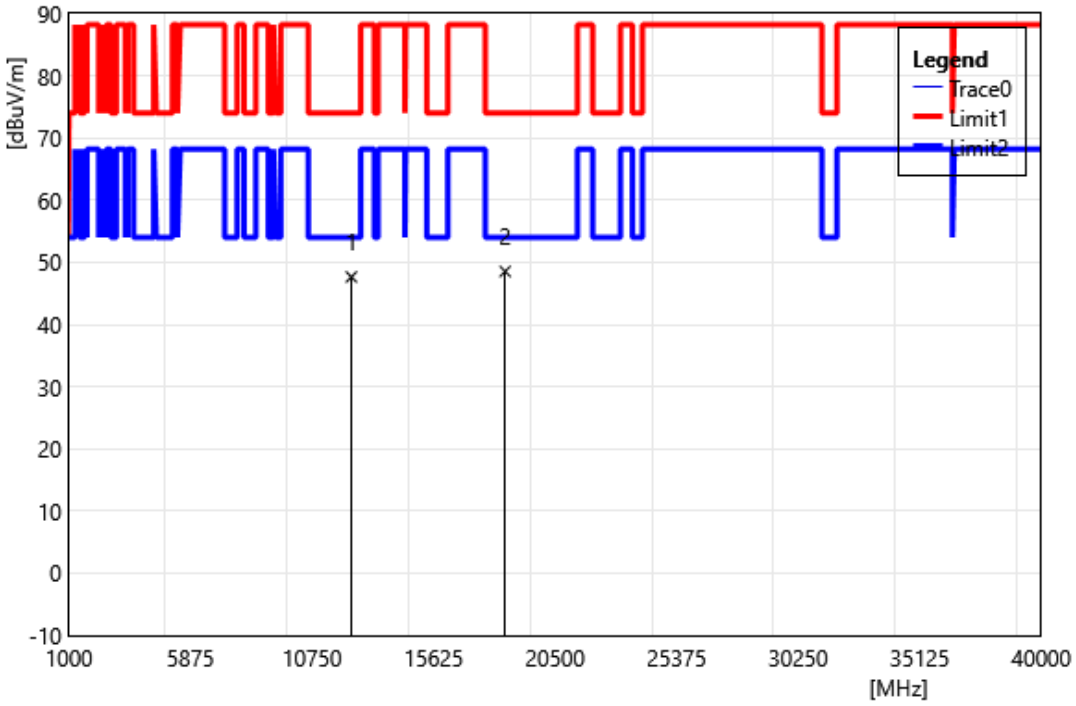
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	11930.00	35.73	11.70	47.43	74.00	-26.57	PEAK
2	17895.00	33.06	24.60	57.66	74.00	-16.34	PEAK
3	17895.00	22.00	24.60	46.60	54.00	-7.40	AVG

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 5965 MHz		
Polarization:	Horizontal		
Remark:			



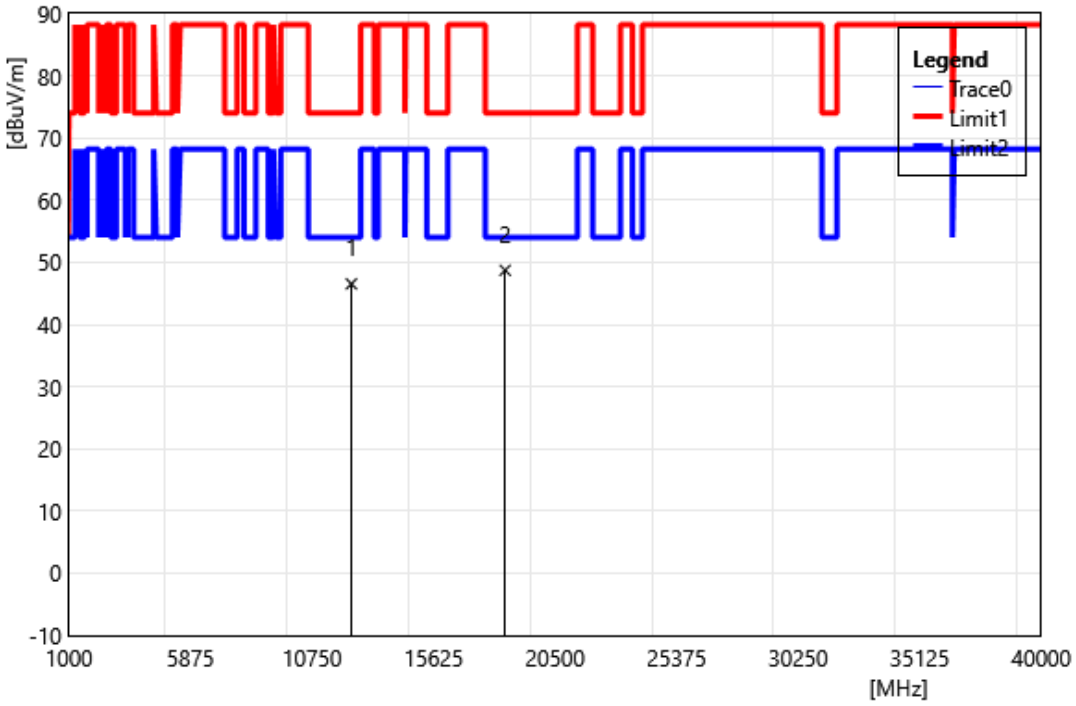
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	11930.00	35.75	11.70	47.45	74.00	-26.55	PEAK
2	17895.00	32.73	24.60	57.33	74.00	-16.67	PEAK
3	17895.00	23.23	24.60	47.83	54.00	-6.17	AVG

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 6165 MHz		
Polarization:	Vertical		
Remark:			



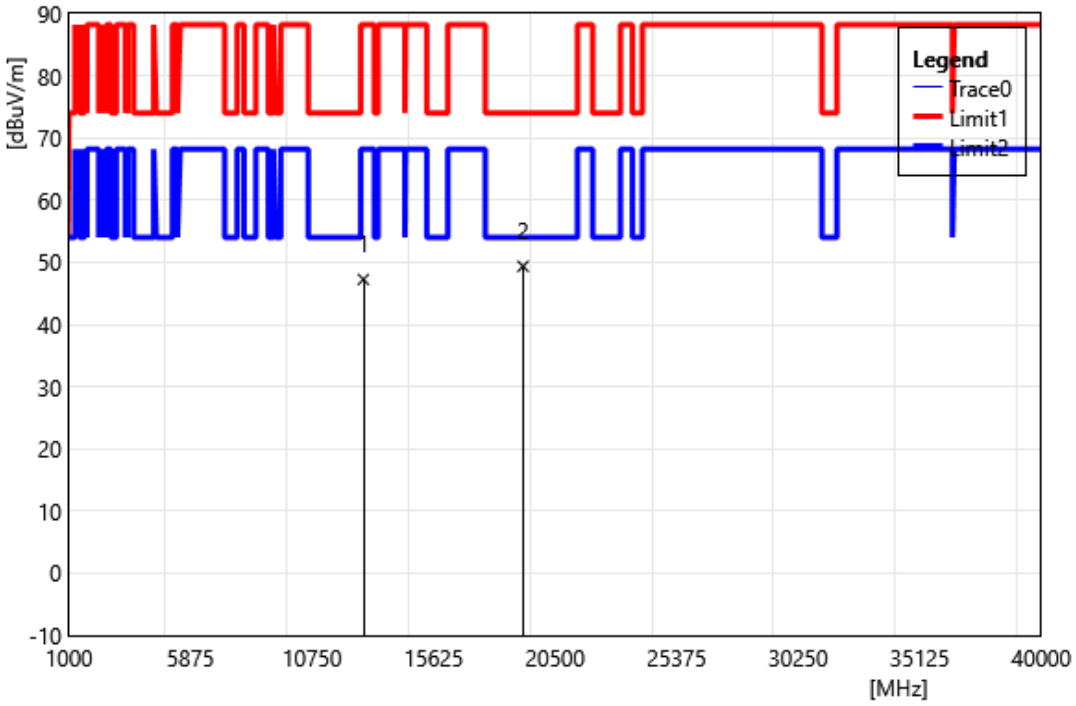
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12330.00	35.89	11.76	47.65	74.00	-26.35	PEAK
2	18495.00	33.11	15.42	48.53	74.00	-25.47	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 6165 MHz		
Polarization:	Horizontal		
Remark:			



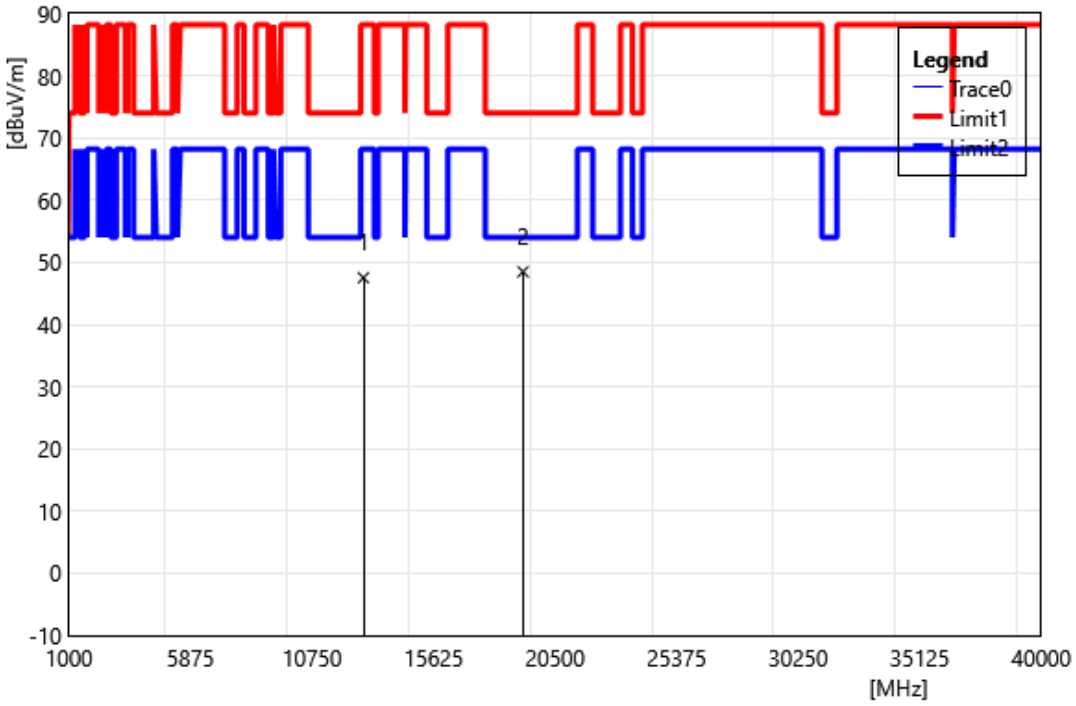
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12330.00	34.77	11.76	46.53	74.00	-27.47	PEAK
2	18495.00	33.31	15.42	48.73	74.00	-25.27	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 6405 MHz		
Polarization:	Vertical		
Remark:			



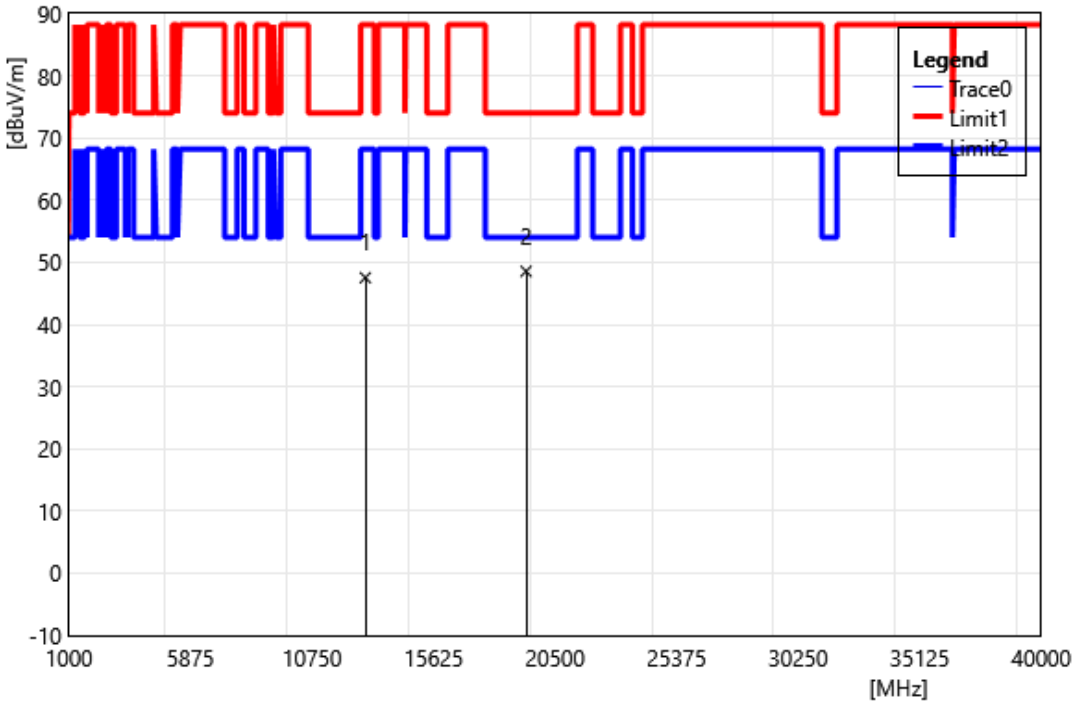
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12810.00	34.50	12.75	47.25	88.20	-40.95	PEAK
2	19215.00	33.38	15.98	49.36	74.00	-24.64	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 6405 MHz		
Polarization:	Horizontal		
Remark:			



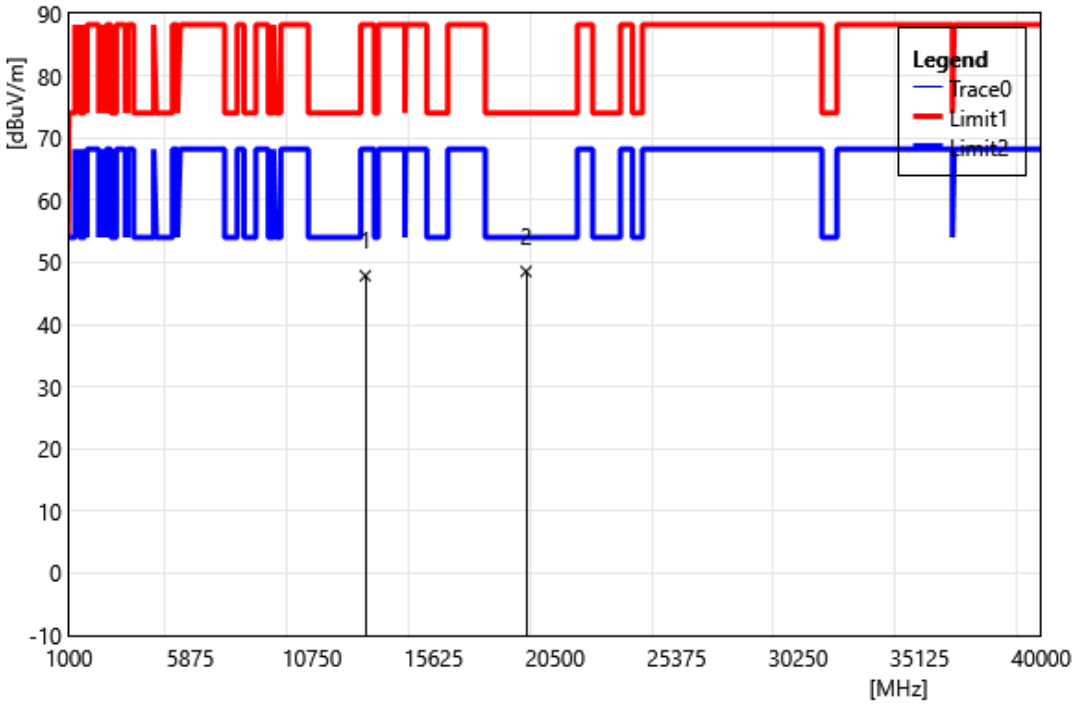
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12810.00	34.78	12.75	47.53	88.20	-40.67	PEAK
2	19215.00	32.50	15.98	48.48	74.00	-25.52	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 6445 MHz		
Polarization:	Vertical		
Remark:			



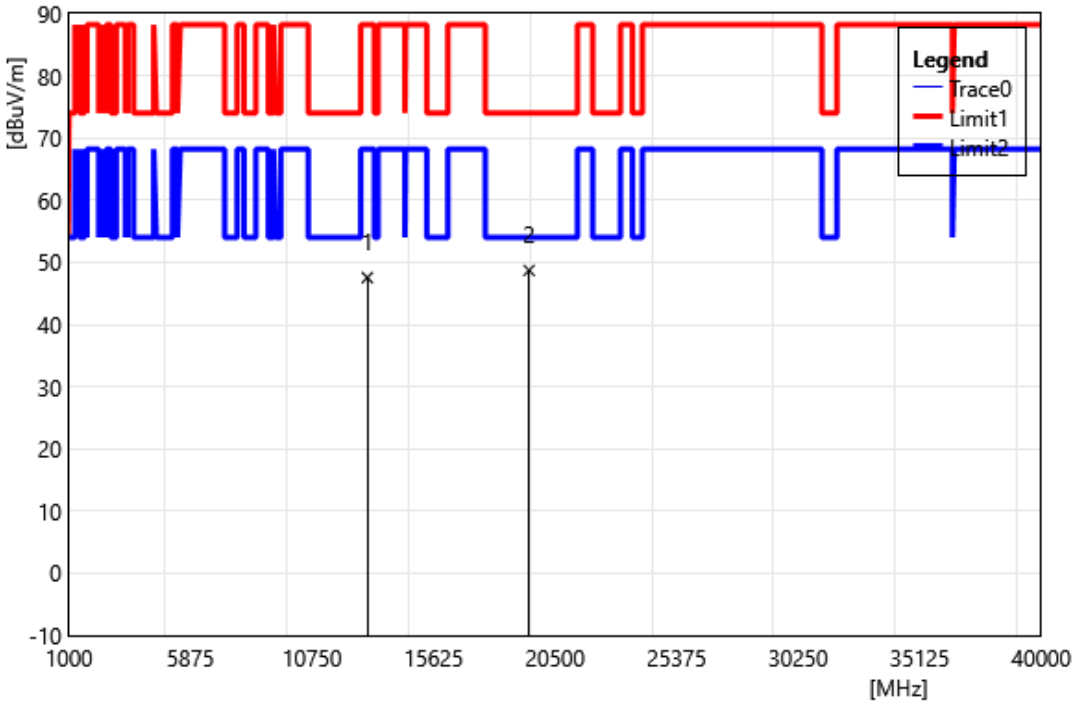
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12890.00	34.70	12.83	47.53	88.20	-40.67	PEAK
2	19335.00	32.35	16.21	48.56	74.00	-25.44	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 6445 MHz		
Polarization:	Horizontal		
Remark:			



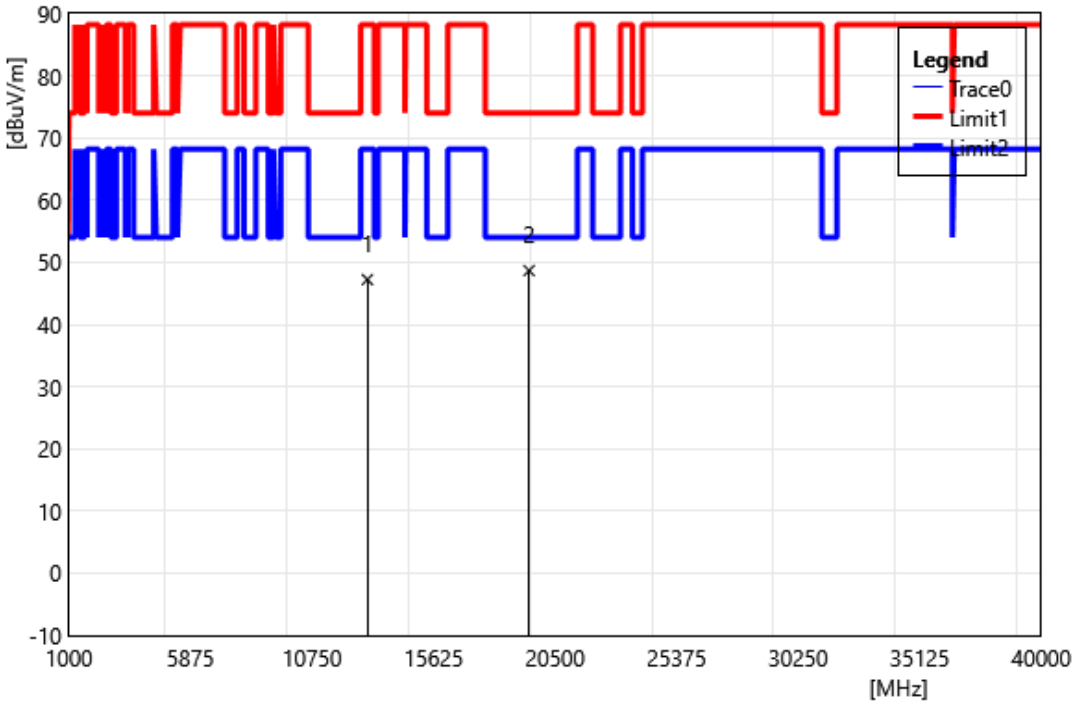
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12890.00	35.01	12.83	47.84	88.20	-40.36	PEAK
2	19335.00	32.32	16.21	48.53	74.00	-25.47	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 6485 MHz		
Polarization:	Vertical		
Remark:			



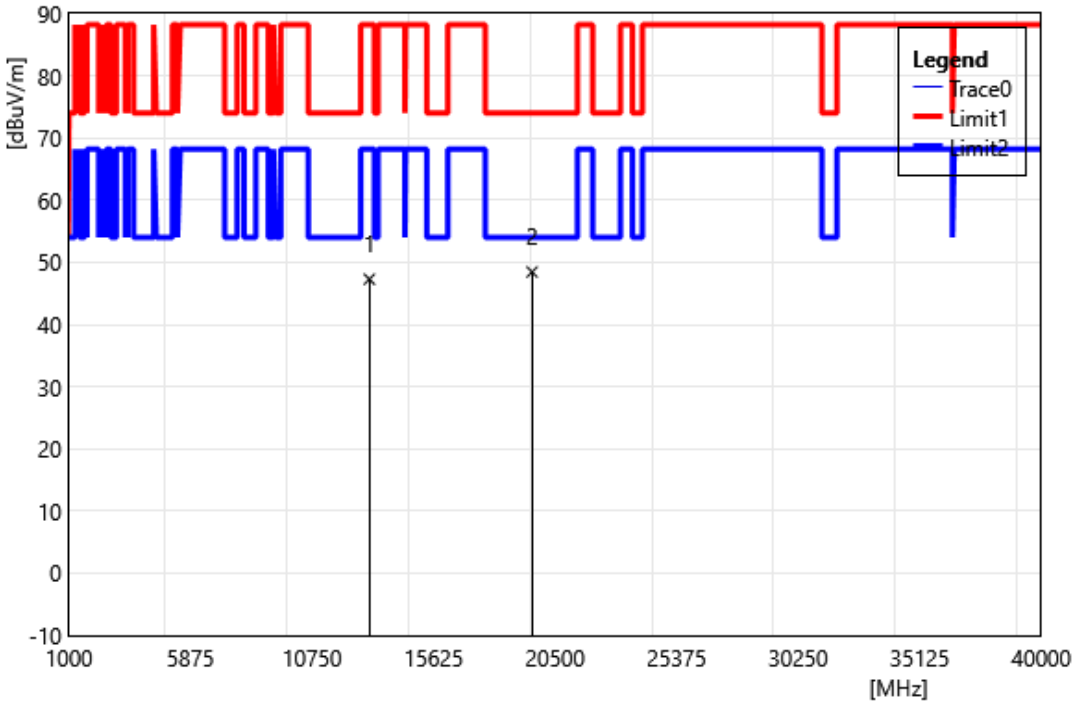
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12970.00	34.56	12.98	47.54	88.20	-40.66	PEAK
2	19455.00	32.27	16.44	48.71	74.00	-25.29	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 6485 MHz		
Polarization:	Horizontal		
Remark:			



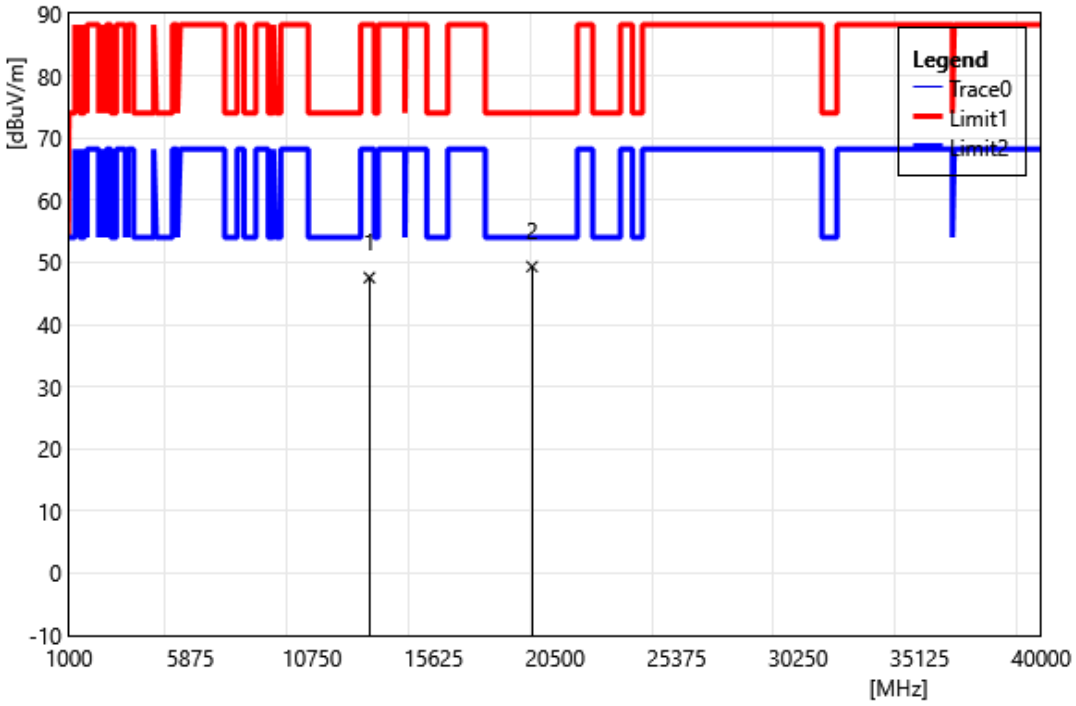
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12970.00	34.25	12.98	47.23	88.20	-40.97	PEAK
2	19455.00	32.24	16.44	48.68	74.00	-25.32	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 6525 MHz		
Polarization:	Vertical		
Remark:			



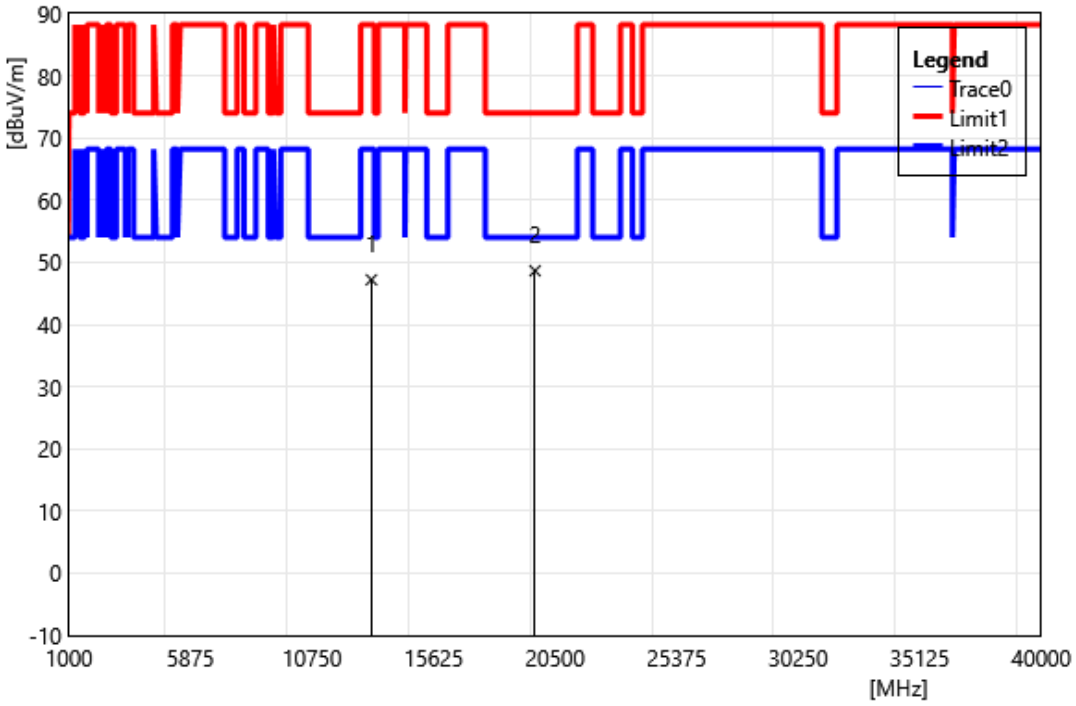
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13050.00	34.29	12.99	47.28	88.20	-40.92	PEAK
2	19575.00	32.58	15.89	48.47	74.00	-25.53	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 6525 MHz		
Polarization:	Horizontal		
Remark:			



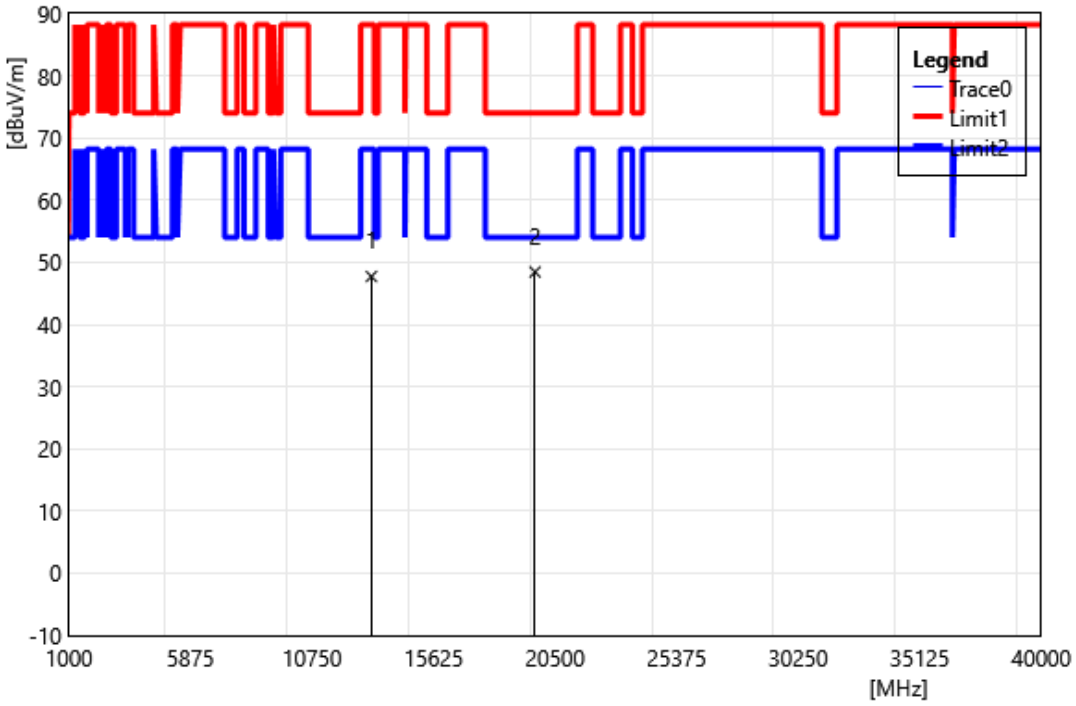
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13050.00	34.55	12.99	47.54	88.20	-40.66	PEAK
2	19575.00	33.43	15.89	49.32	74.00	-24.68	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 6565 MHz		
Polarization:	Vertical		
Remark:			



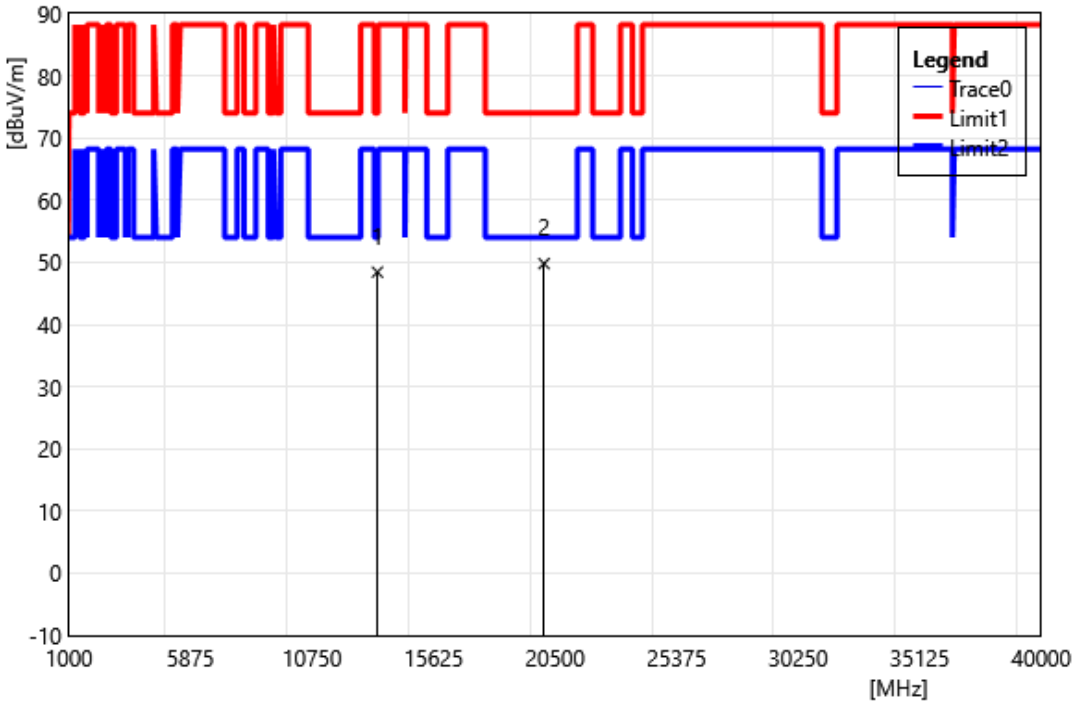
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13130.00	34.19	13.00	47.19	88.20	-41.01	PEAK
2	19695.00	32.57	16.07	48.64	74.00	-25.36	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 6565 MHz		
Polarization:	Horizontal		
Remark:			



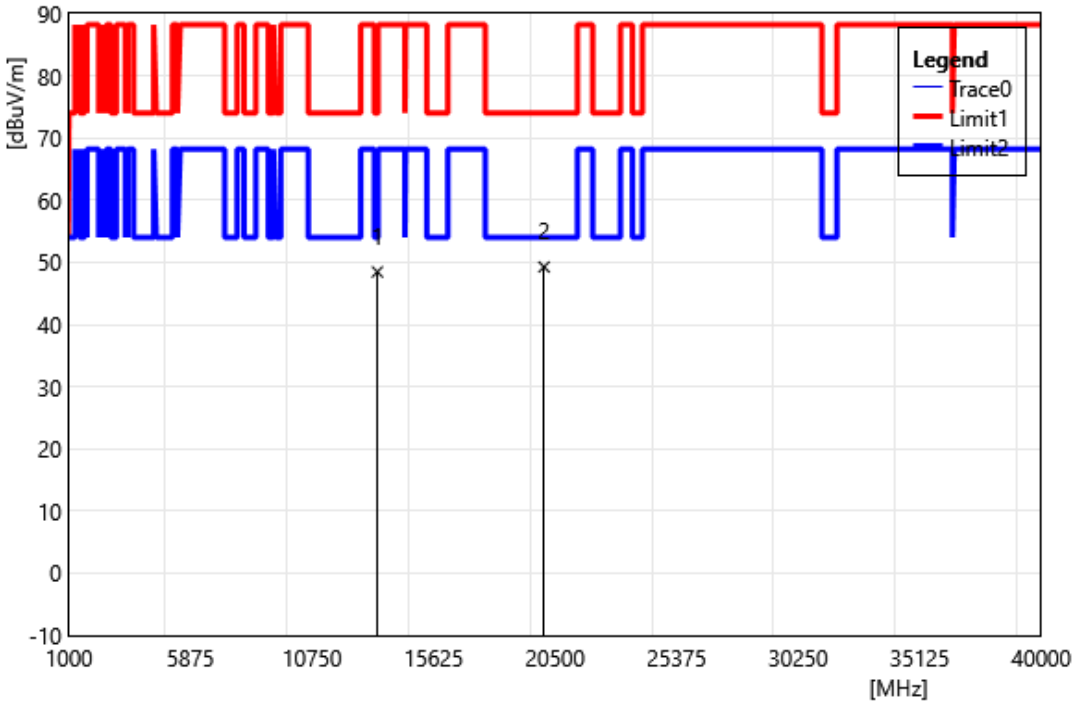
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13130.00	34.72	13.00	47.72	88.20	-40.48	PEAK
2	19695.00	32.39	16.07	48.46	74.00	-25.54	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 6685 MHz		
Polarization:	Vertical		
Remark:			



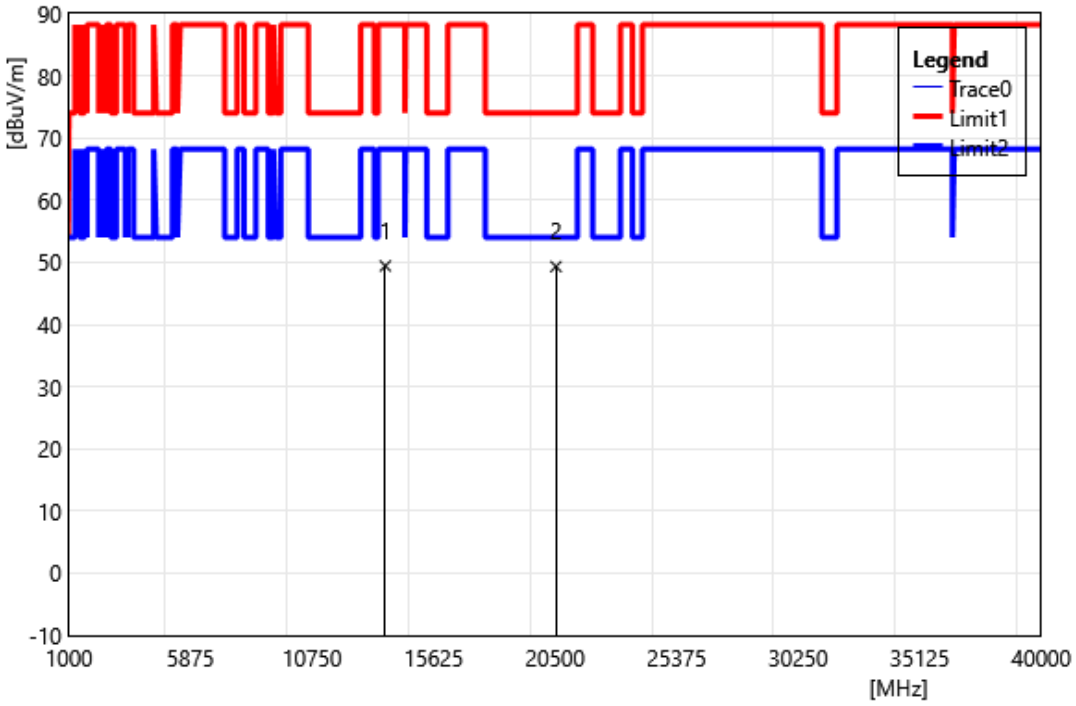
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13370.00	34.75	13.68	48.43	74.00	-25.57	PEAK
2	20055.00	33.62	16.18	49.80	74.00	-24.20	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 6685 MHz		
Polarization:	Horizontal		
Remark:			



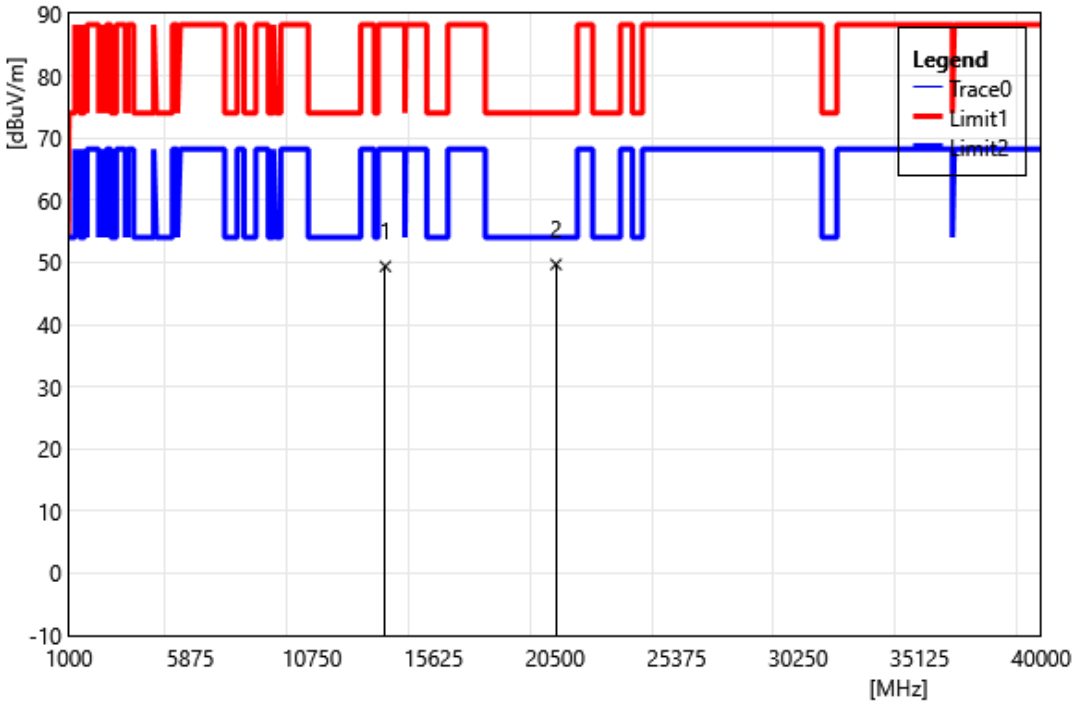
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13370.00	34.79	13.68	48.47	74.00	-25.53	PEAK
2	20055.00	33.08	16.18	49.26	74.00	-24.74	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 6845 MHz		
Polarization:	Vertical		
Remark:			



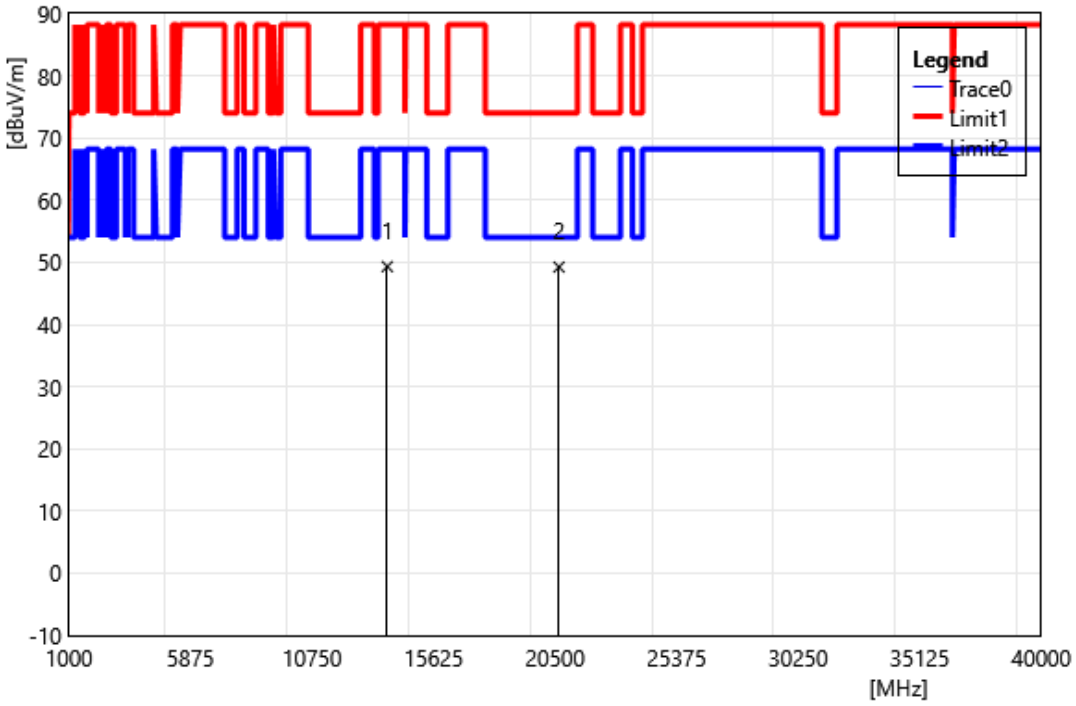
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13690.00	34.85	14.58	49.43	88.20	-38.77	PEAK
2	20535.00	32.77	16.55	49.32	74.00	-24.68	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 6845 MHz		
Polarization:	Horizontal		
Remark:			



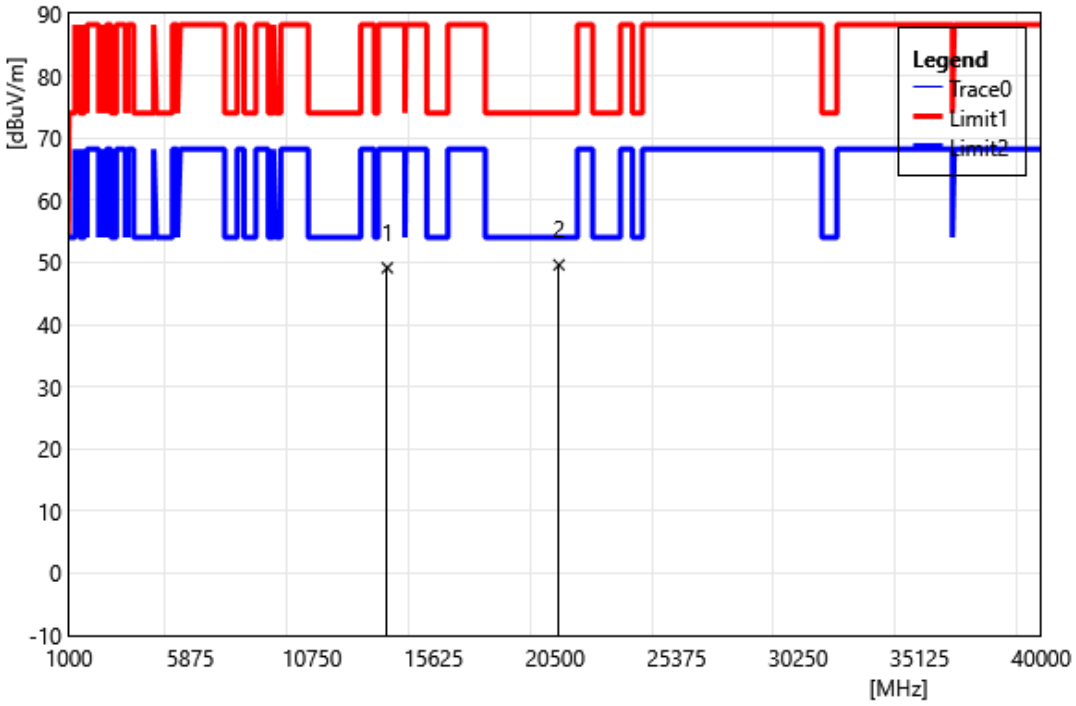
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13690.00	34.77	14.58	49.35	88.20	-38.85	PEAK
2	20535.00	33.11	16.55	49.66	74.00	-24.34	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 6885 MHz		
Polarization:	Vertical		
Remark:			



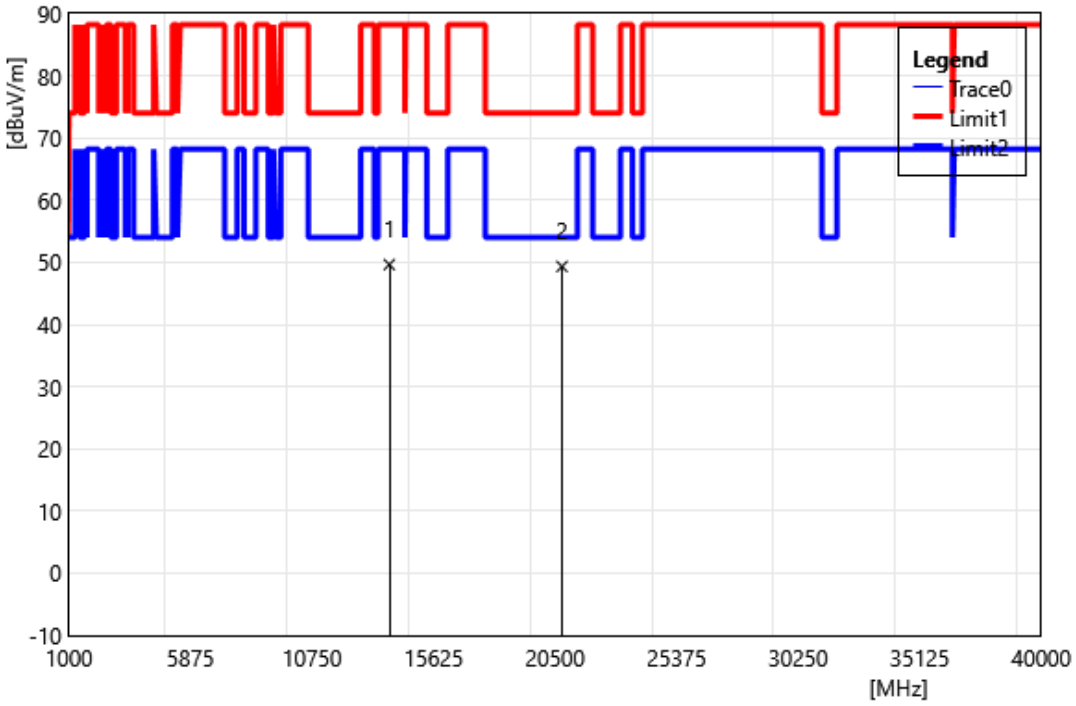
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13770.00	34.93	14.38	49.31	88.20	-38.89	PEAK
2	20655.00	32.54	16.70	49.24	74.00	-24.76	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 6885 MHz		
Polarization:	Horizontal		
Remark:			



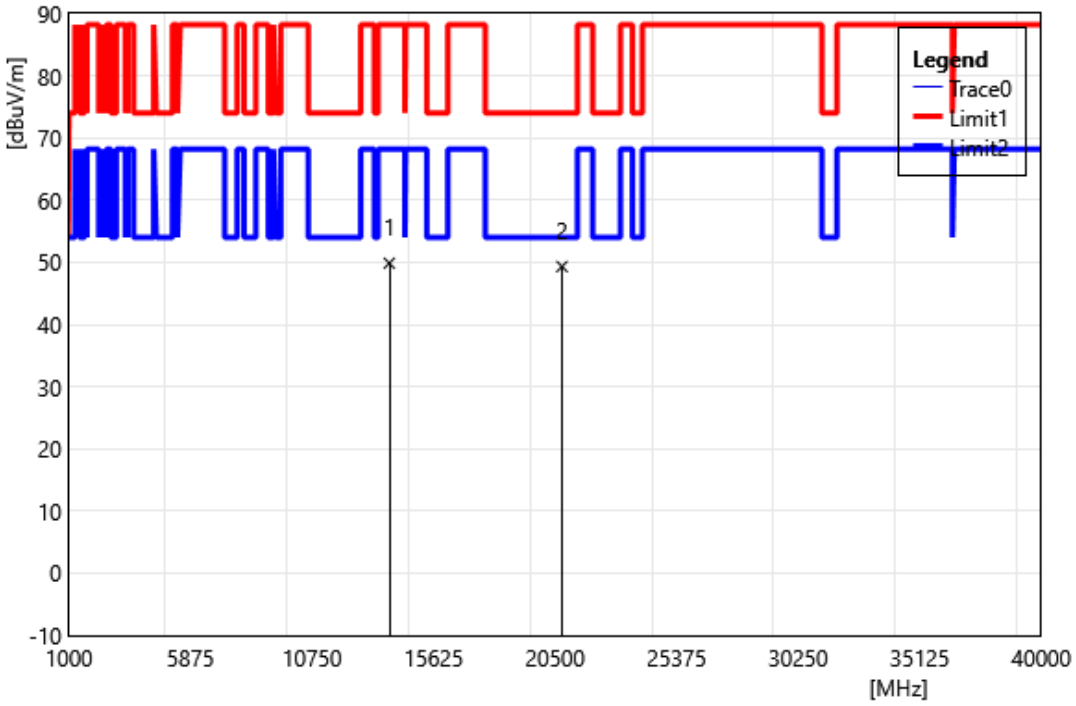
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13770.00	34.74	14.38	49.12	88.20	-39.08	PEAK
2	20655.00	32.89	16.70	49.59	74.00	-24.41	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 6925 MHz		
Polarization:	Vertical		
Remark:			



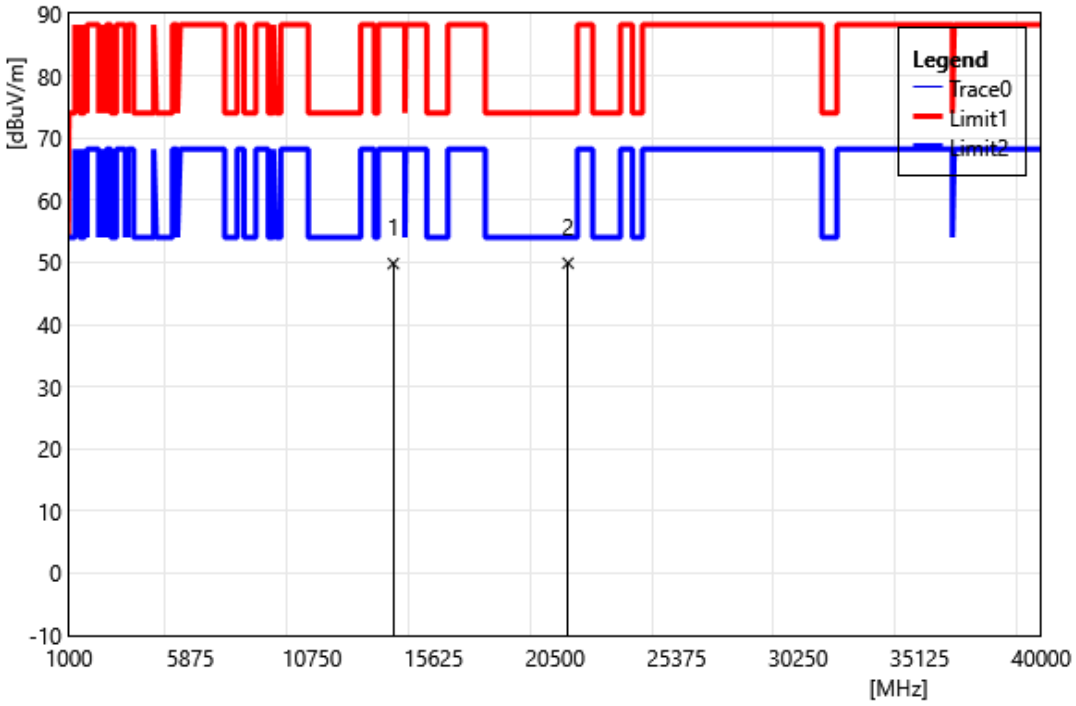
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13850.00	35.07	14.57	49.64	88.20	-38.56	PEAK
2	20775.00	32.48	16.85	49.33	74.00	-24.67	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 6925 MHz		
Polarization:	Horizontal		
Remark:			



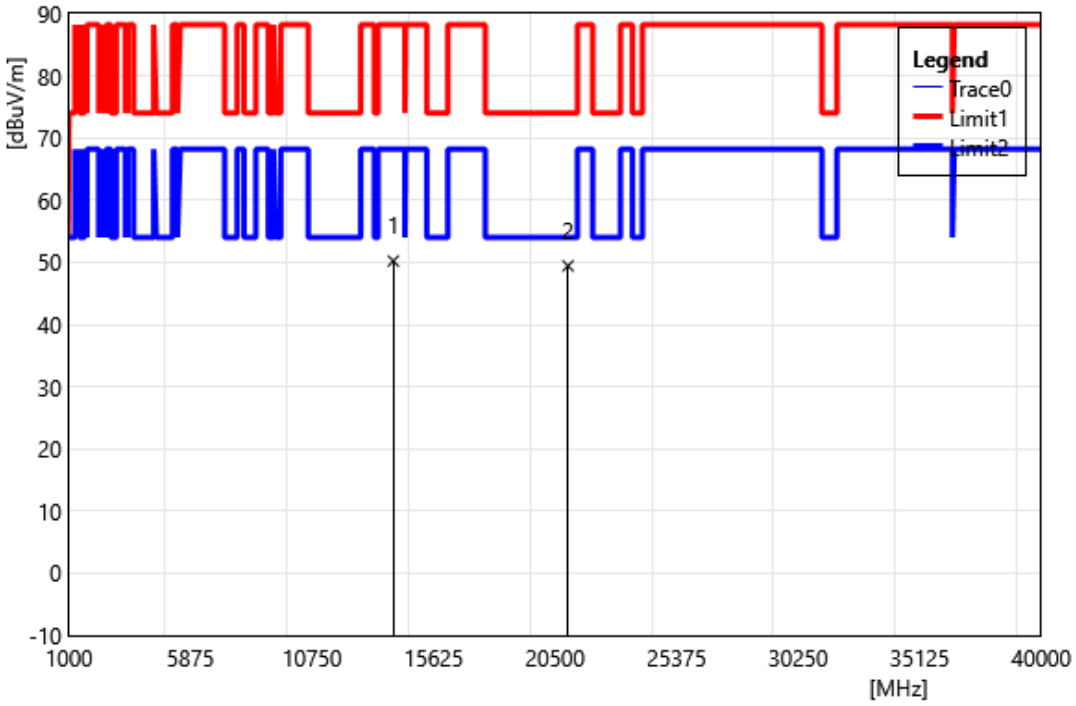
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13850.00	35.30	14.57	49.87	88.20	-38.33	PEAK
2	20775.00	32.47	16.85	49.32	74.00	-24.68	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 7005 MHz		
Polarization:	Vertical		
Remark:			



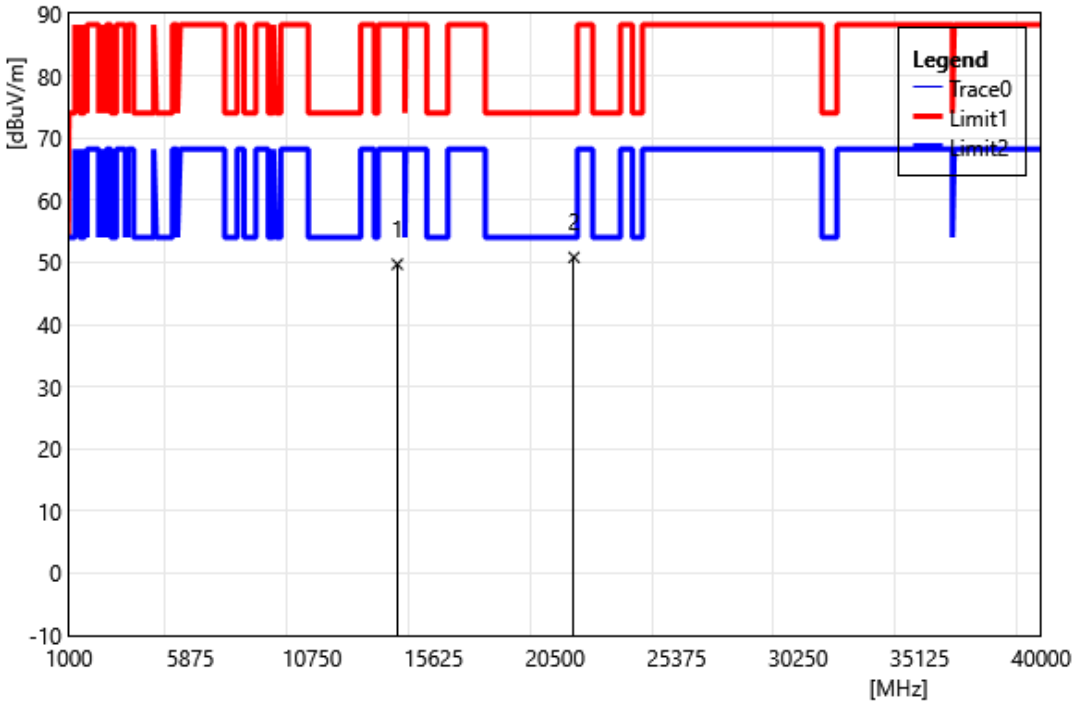
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	14010.00	34.88	14.92	49.80	88.20	-38.40	PEAK
2	21015.00	33.76	16.12	49.88	74.00	-24.12	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 7005 MHz		
Polarization:	Horizontal		
Remark:			



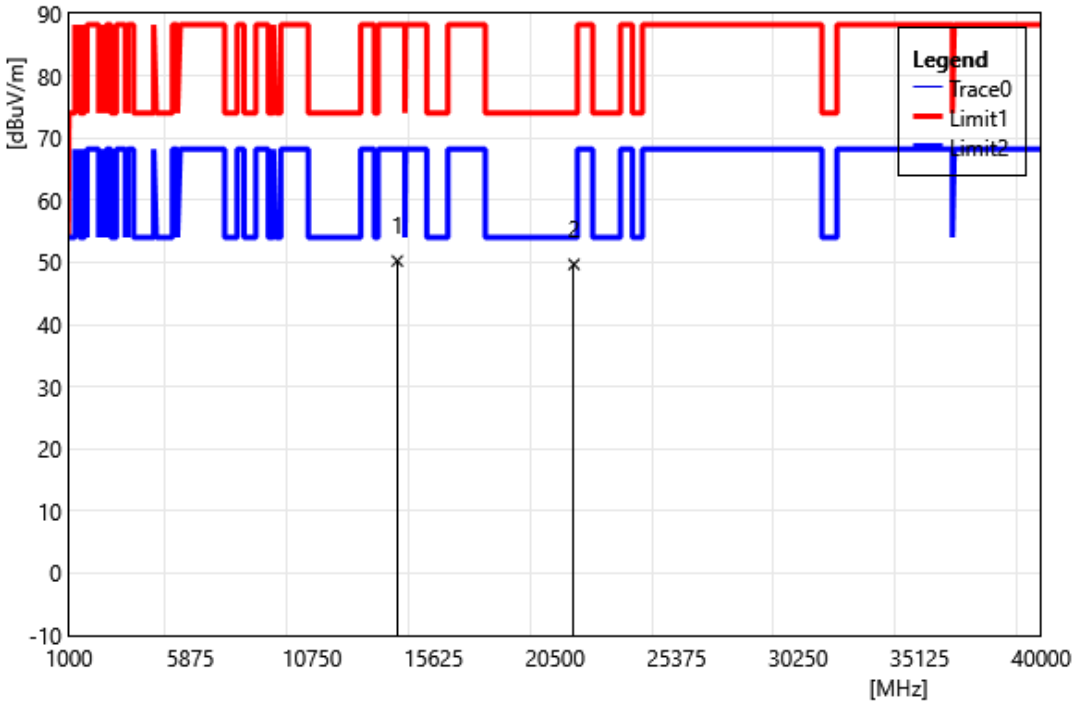
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	14010.00	35.30	14.92	50.22	88.20	-37.98	PEAK
2	21015.00	33.31	16.12	49.43	74.00	-24.57	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 7085 MHz		
Polarization:	Vertical		
Remark:			



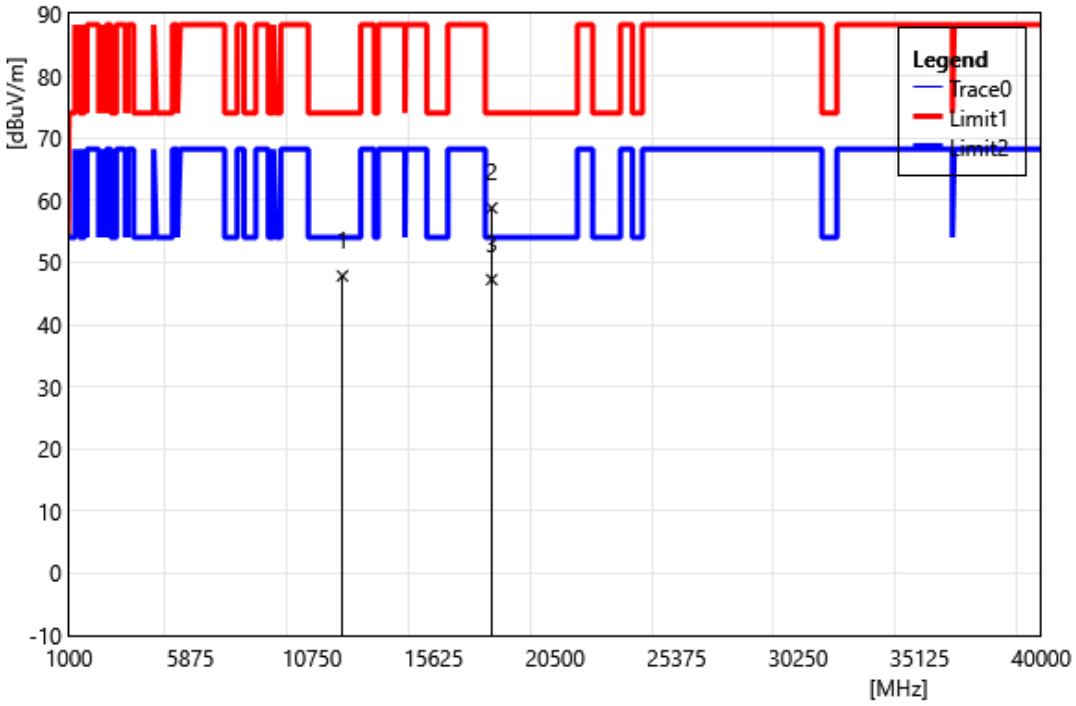
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	14170.00	34.17	15.51	49.68	88.20	-38.52	PEAK
2	21255.00	34.44	16.36	50.80	74.00	-23.20	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE40 7085 MHz		
Polarization:	Horizontal		
Remark:			



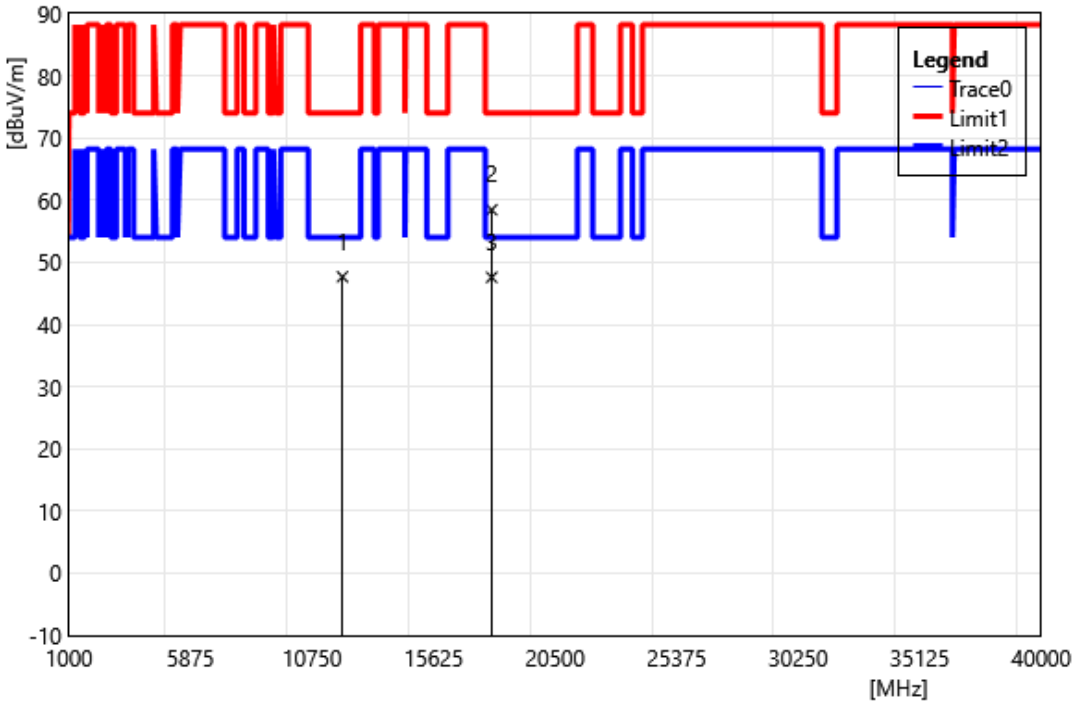
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	14170.00	34.72	15.51	50.23	88.20	-37.97	PEAK
2	21255.00	33.32	16.36	49.68	74.00	-24.32	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE80 5985 MHz		
Polarization:	Vertical		
Remark:			



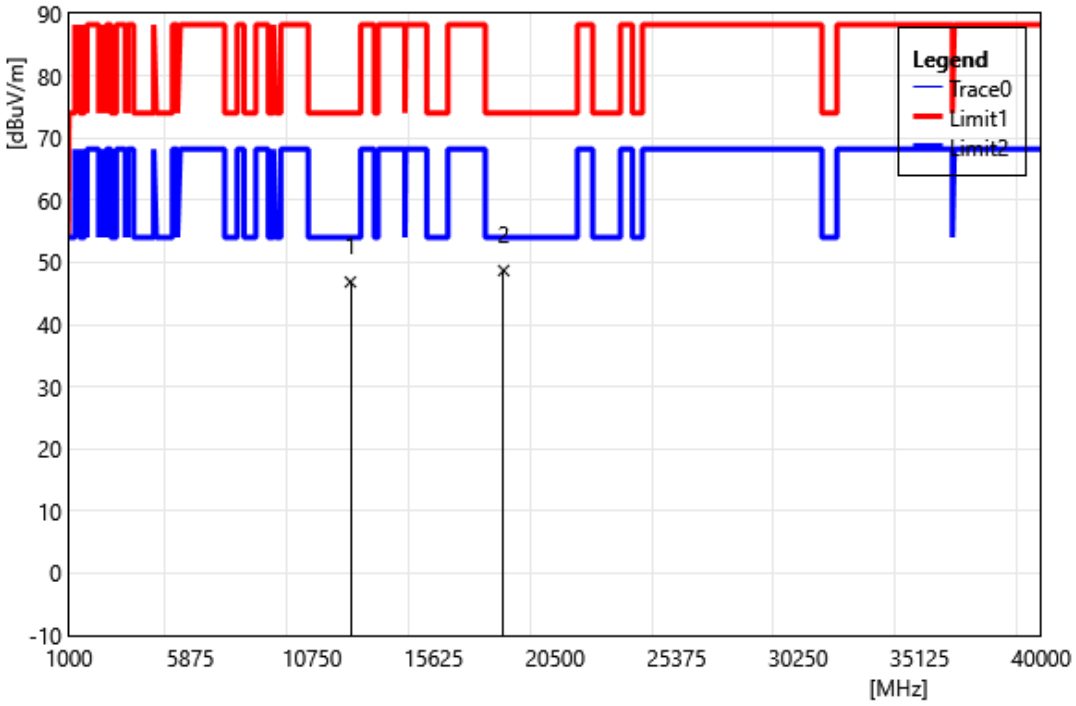
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	11970.00	36.02	11.79	47.81	74.00	-26.19	PEAK
2	17955.00	33.21	25.54	58.75	74.00	-15.25	PEAK
3	17955.00	21.70	25.54	47.24	54.00	-6.76	AVG

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE80 5985 MHz		
Polarization:	Horizontal		
Remark:			



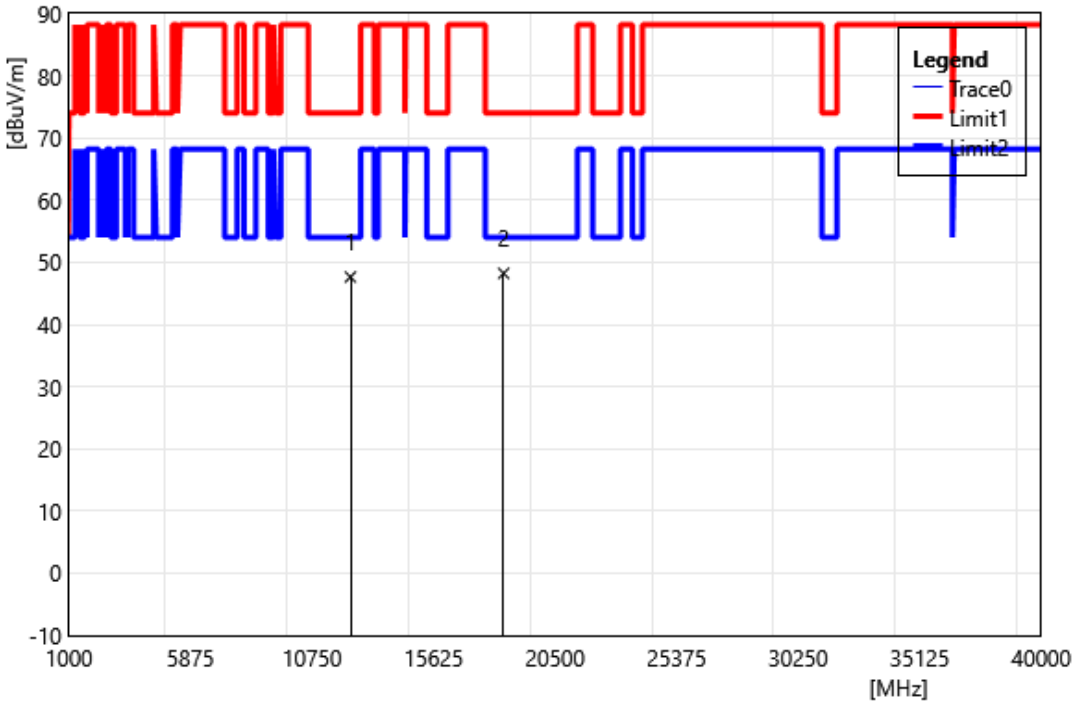
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	11970.00	35.89	11.79	47.68	74.00	-26.32	PEAK
2	17955.00	32.90	25.54	58.44	74.00	-15.56	PEAK
3	17955.00	22.05	25.54	47.59	54.00	-6.41	AVG

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE80 6145 MHz		
Polarization:	Vertical		
Remark:			



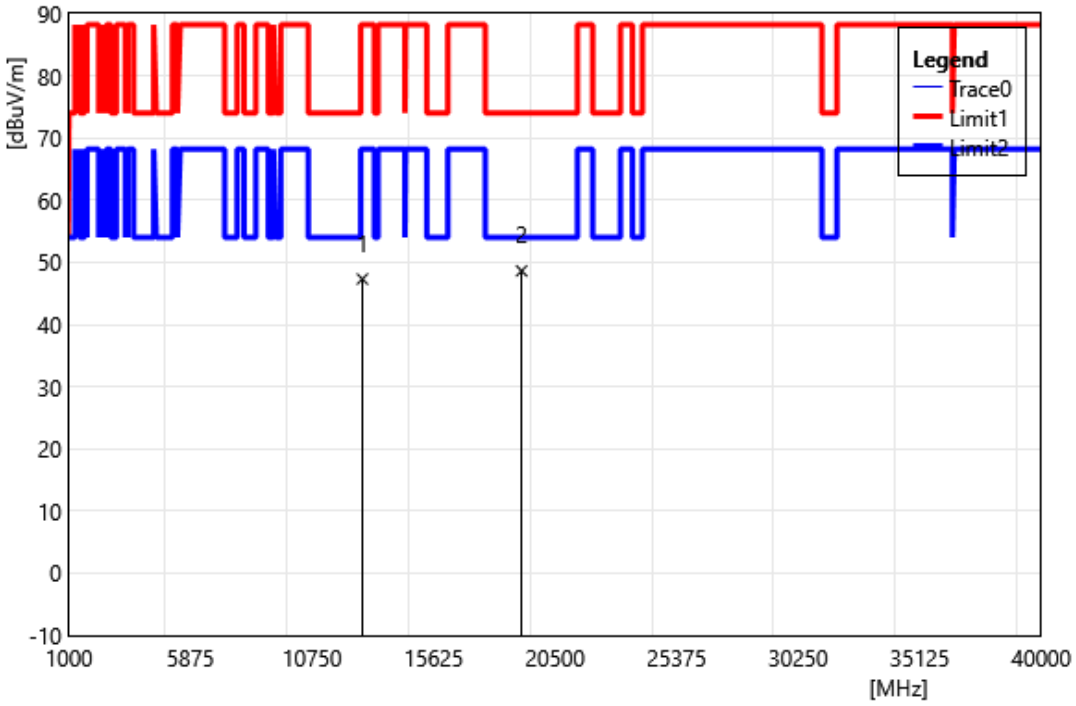
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12290.00	35.00	11.84	46.84	74.00	-27.16	PEAK
2	18435.00	33.41	15.26	48.67	74.00	-25.33	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE80 6145 MHz		
Polarization:	Horizontal		
Remark:			



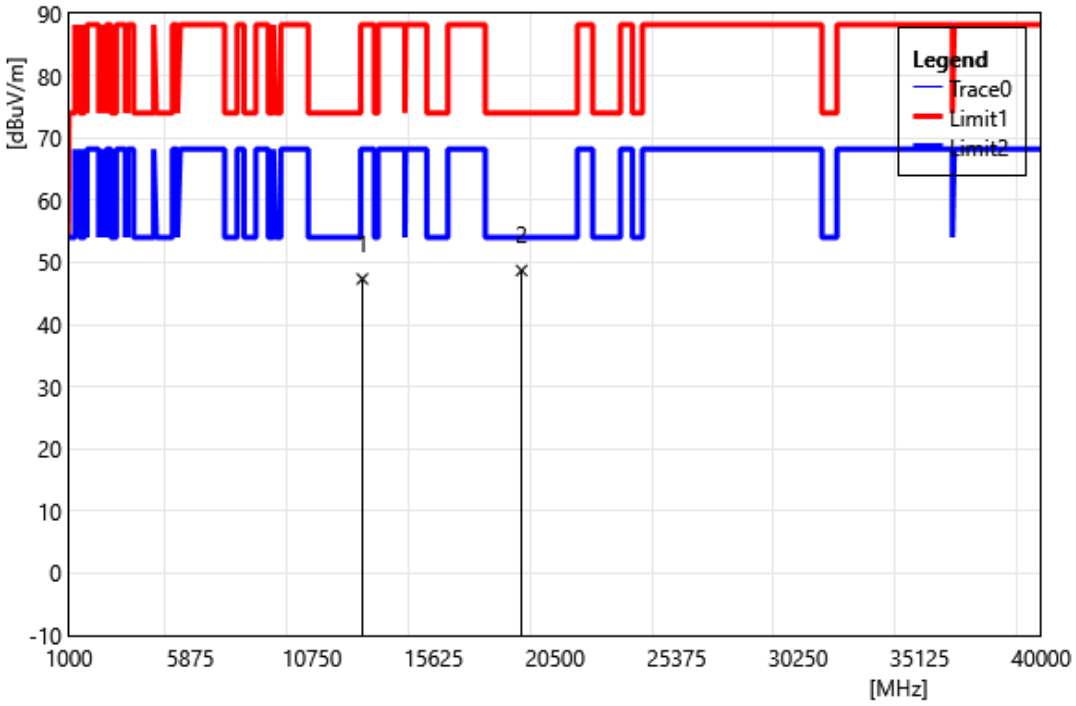
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12290.00	35.81	11.84	47.65	74.00	-26.35	PEAK
2	18435.00	32.98	15.26	48.24	74.00	-25.76	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE80 6385 MHz		
Polarization:	Vertical		
Remark:			



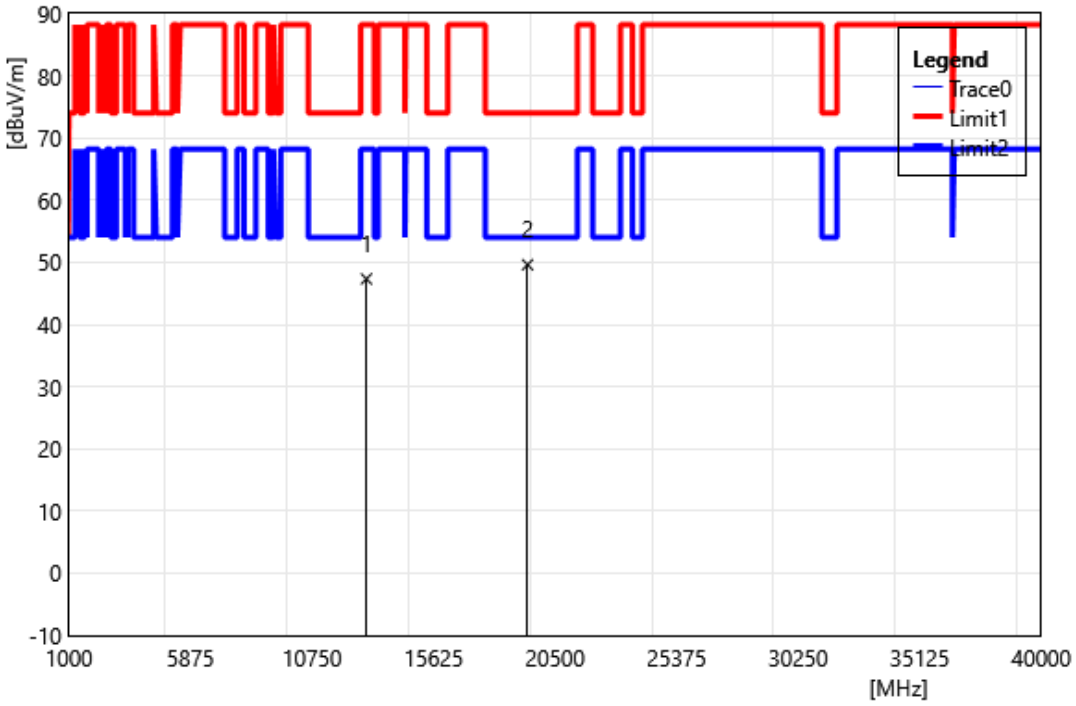
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12770.00	34.73	12.59	47.32	88.20	-40.88	PEAK
2	19155.00	32.75	15.87	48.62	74.00	-25.38	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE80 6385 MHz		
Polarization:	Horizontal		
Remark:			



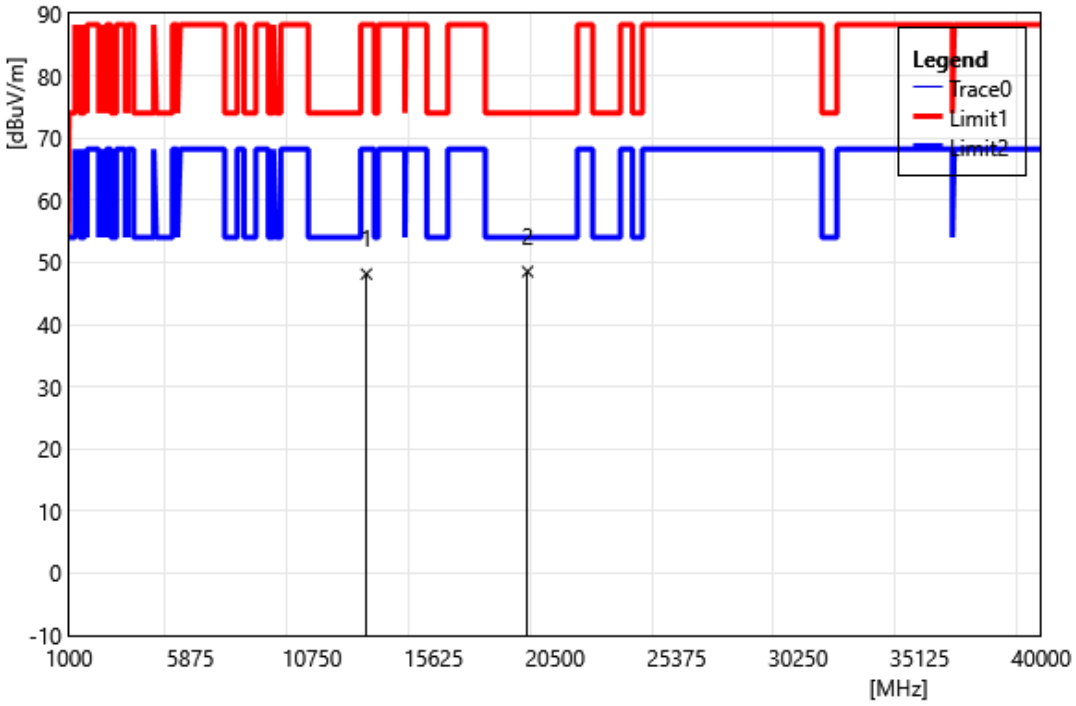
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12770.00	34.75	12.59	47.34	88.20	-40.86	PEAK
2	19155.00	32.81	15.87	48.68	74.00	-25.32	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE80 6465 MHz		
Polarization:	Vertical		
Remark:			



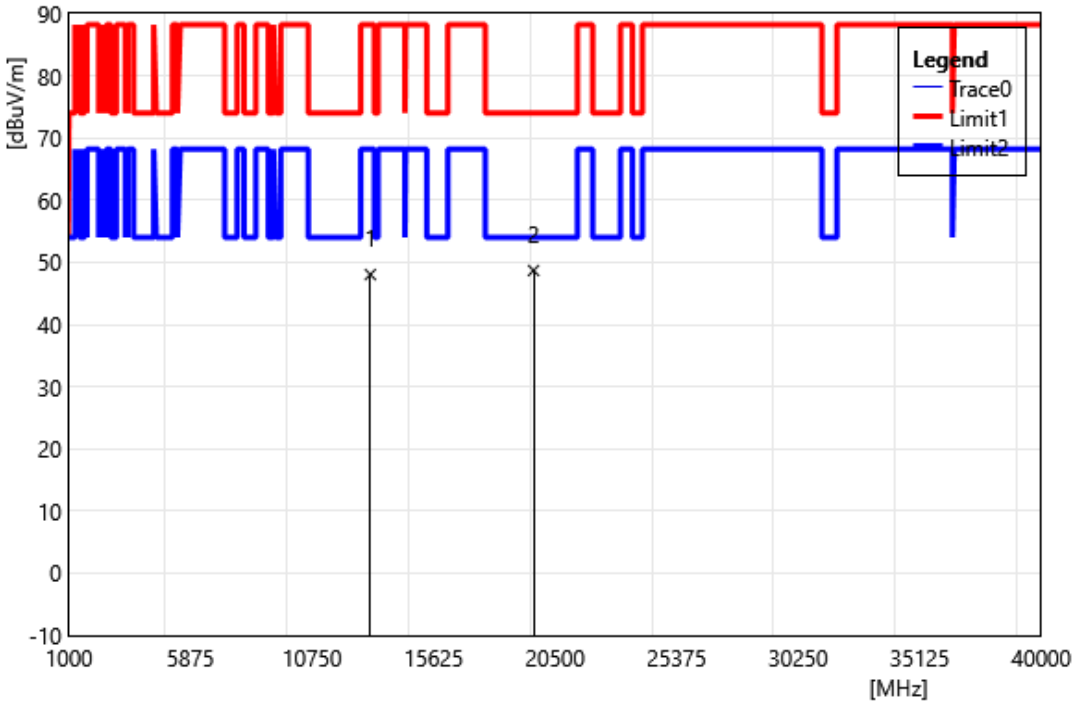
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12930.00	34.44	12.90	47.34	88.20	-40.86	PEAK
2	19395.00	33.30	16.32	49.62	74.00	-24.38	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE80 6465 MHz		
Polarization:	Horizontal		
Remark:			



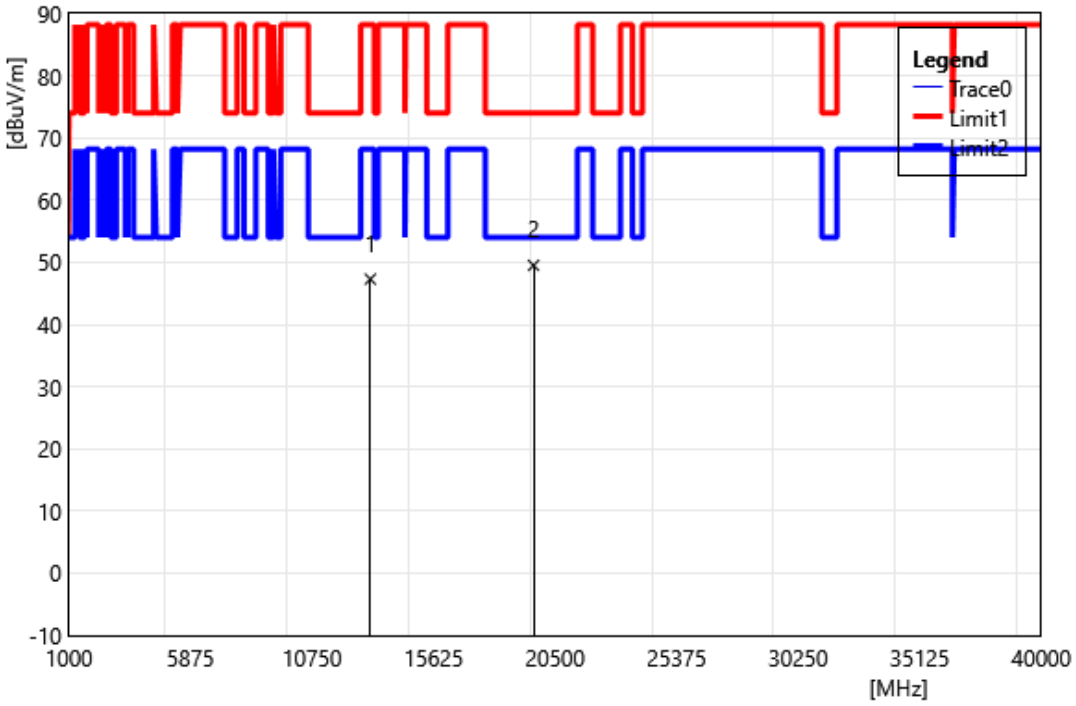
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12930.00	35.22	12.90	48.12	88.20	-40.08	PEAK
2	19395.00	32.19	16.32	48.51	74.00	-25.49	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE80 6545 MHz		
Polarization:	Vertical		
Remark:			



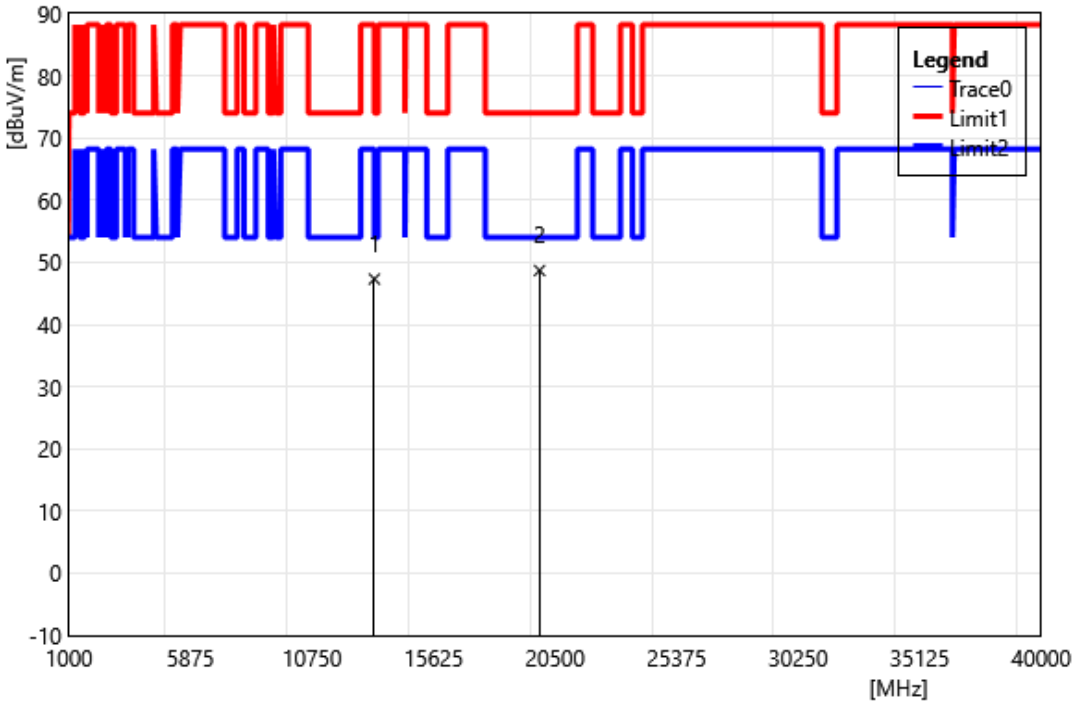
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13090.00	35.08	12.95	48.03	88.20	-40.17	PEAK
2	19635.00	32.70	15.98	48.68	74.00	-25.32	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE80 6545 MHz		
Polarization:	Horizontal		
Remark:			



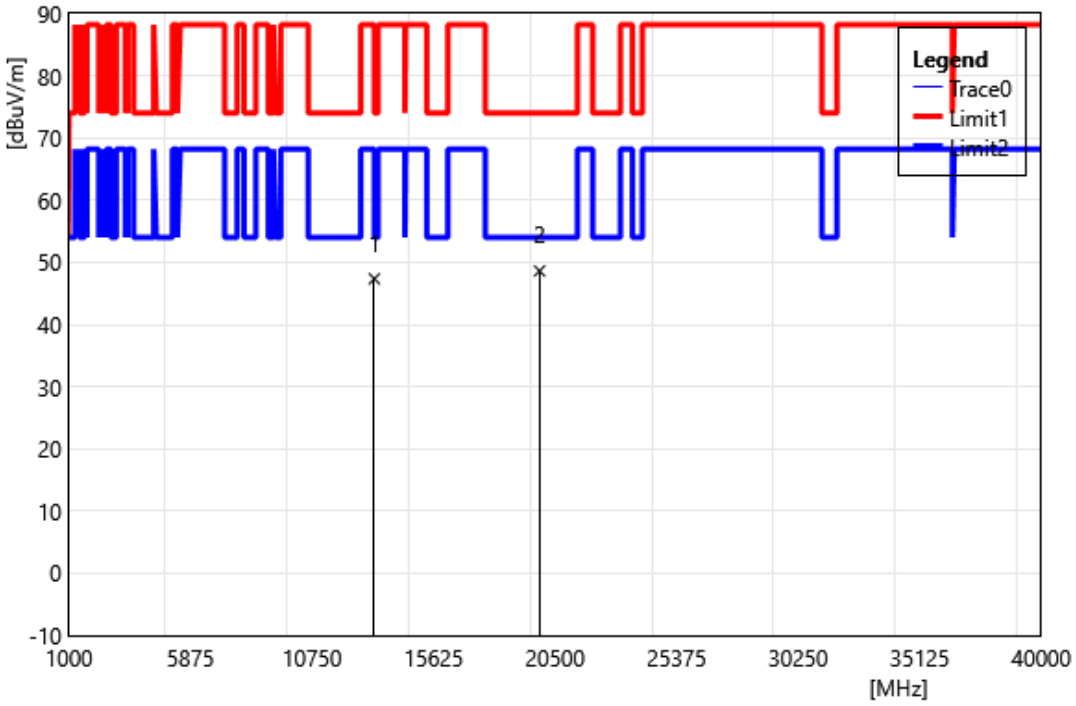
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13090.00	34.36	12.95	47.31	88.20	-40.89	PEAK
2	19635.00	33.54	15.98	49.52	74.00	-24.48	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE80 6625 MHz		
Polarization:	Vertical		
Remark:			



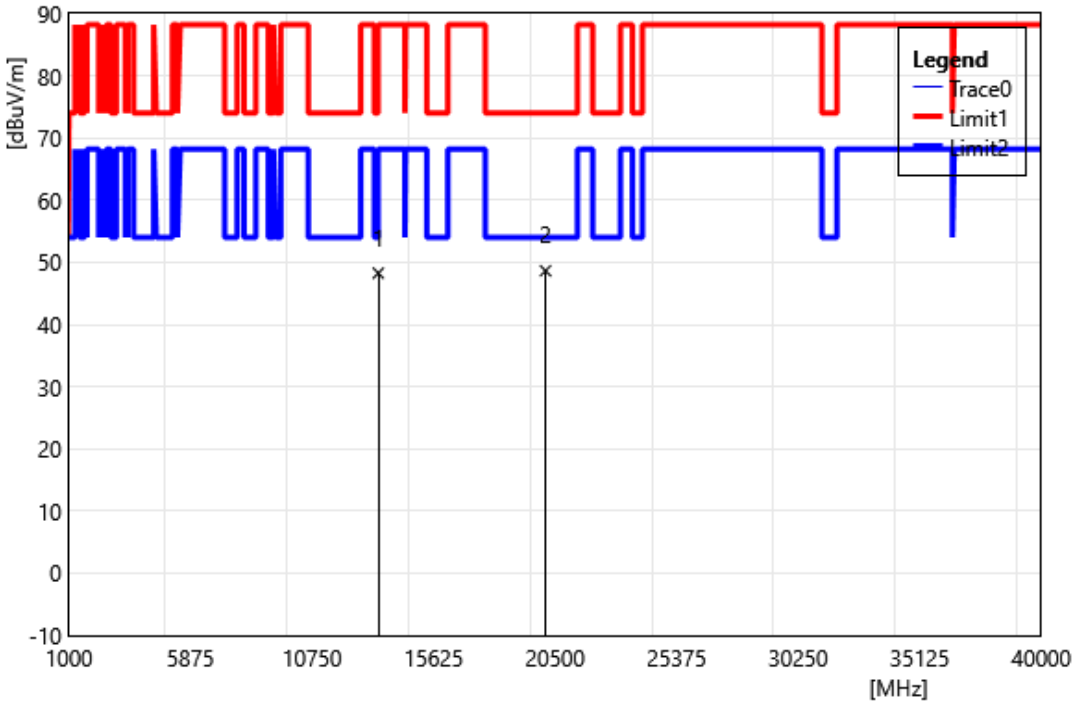
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13250.00	34.06	13.24	47.30	74.00	-26.70	PEAK
2	19875.00	32.33	16.35	48.68	74.00	-25.32	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE80 6625 MHz		
Polarization:	Horizontal		
Remark:			



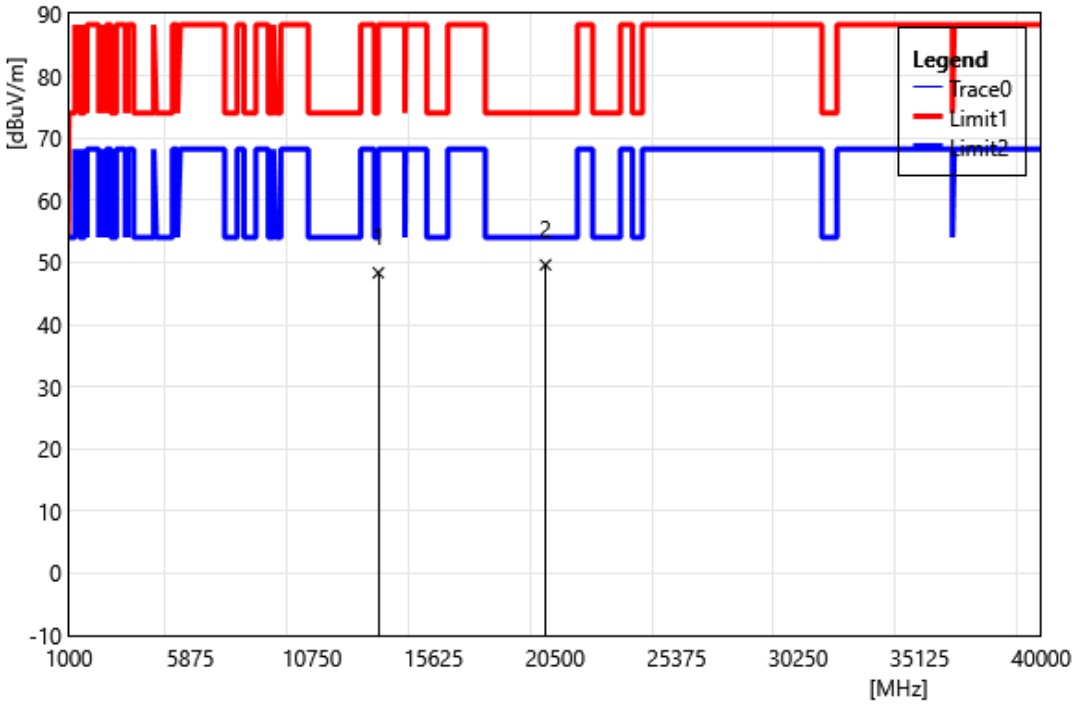
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13250.00	34.11	13.24	47.35	74.00	-26.65	PEAK
2	19875.00	32.27	16.35	48.62	74.00	-25.38	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE80 6705 MHz		
Polarization:	Vertical		
Remark:			



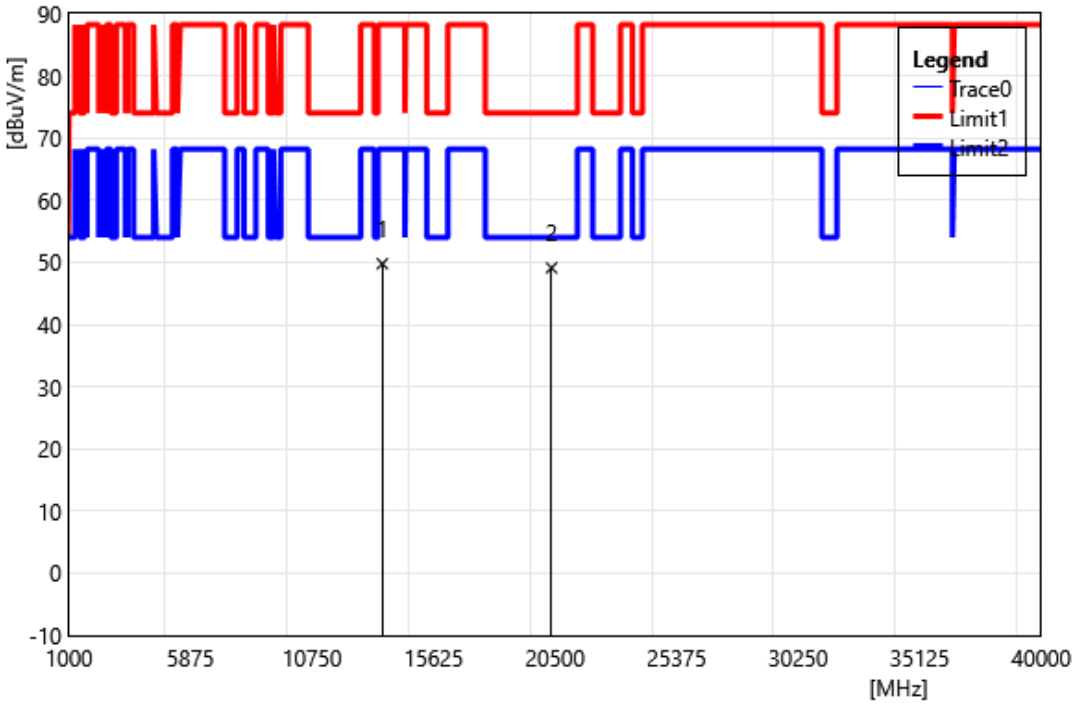
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13410.00	34.38	13.88	48.26	88.20	-39.94	PEAK
2	20115.00	32.38	16.27	48.65	74.00	-25.35	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE80 6705 MHz		
Polarization:	Horizontal		
Remark:			



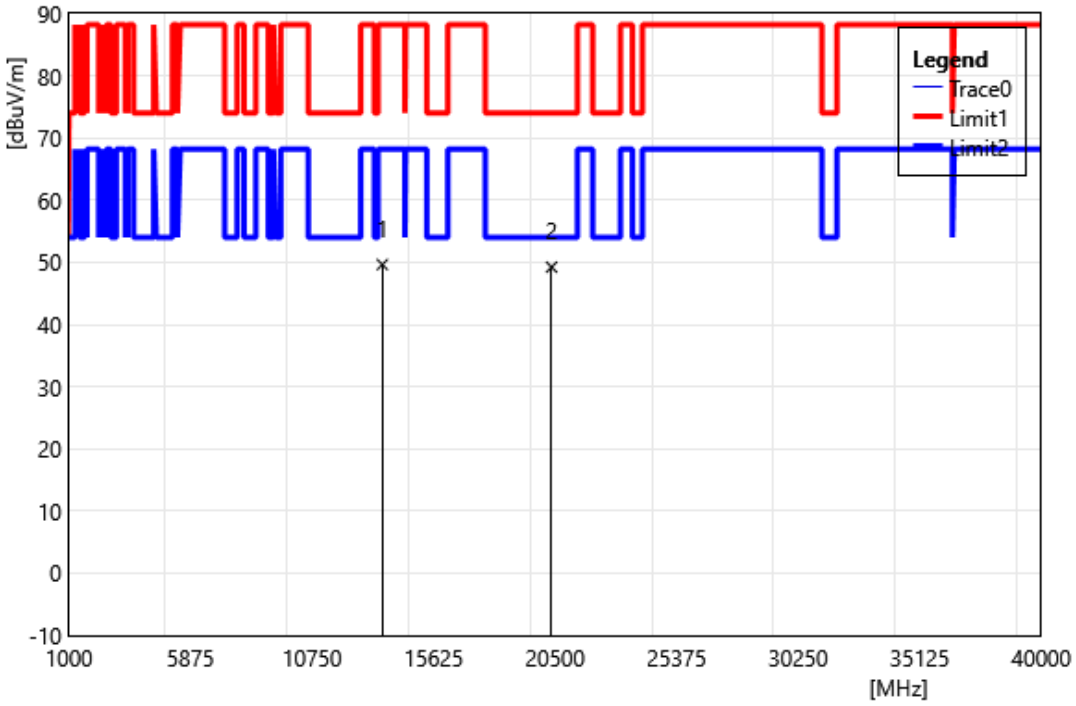
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13410.00	34.43	13.88	48.31	88.20	-39.89	PEAK
2	20115.00	33.32	16.27	49.59	74.00	-24.41	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE80 6785 MHz		
Polarization:	Vertical		
Remark:			



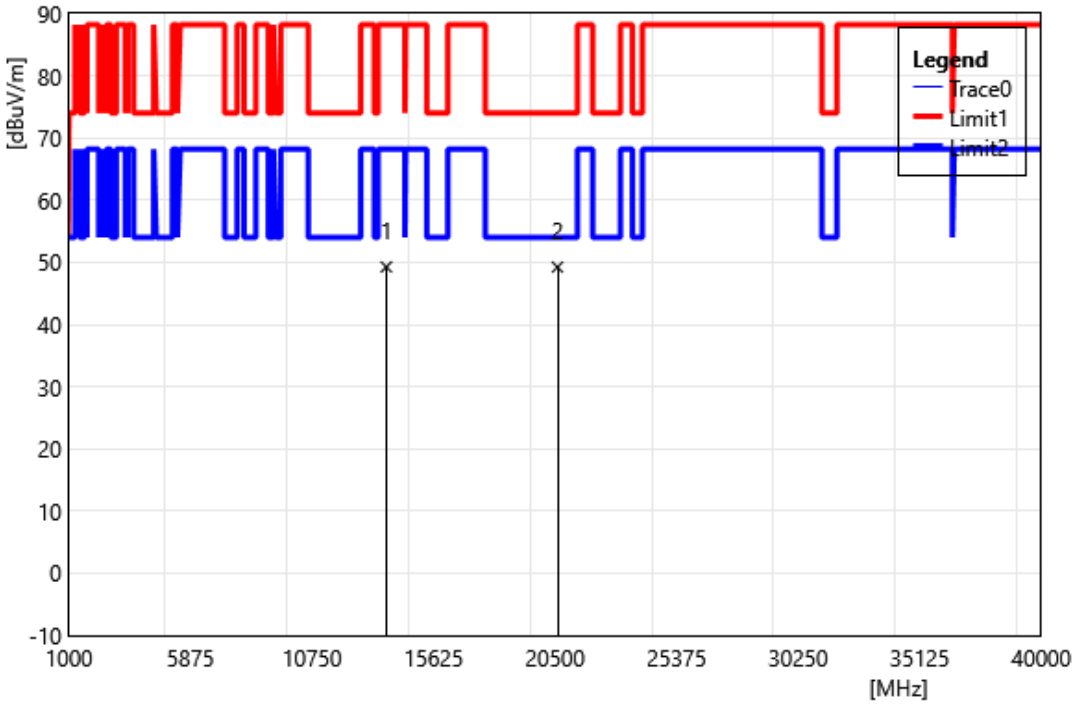
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13570.00	35.38	14.39	49.77	88.20	-38.43	PEAK
2	20355.00	32.53	16.59	49.12	74.00	-24.88	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE80 6785 MHz		
Polarization:	Horizontal		
Remark:			



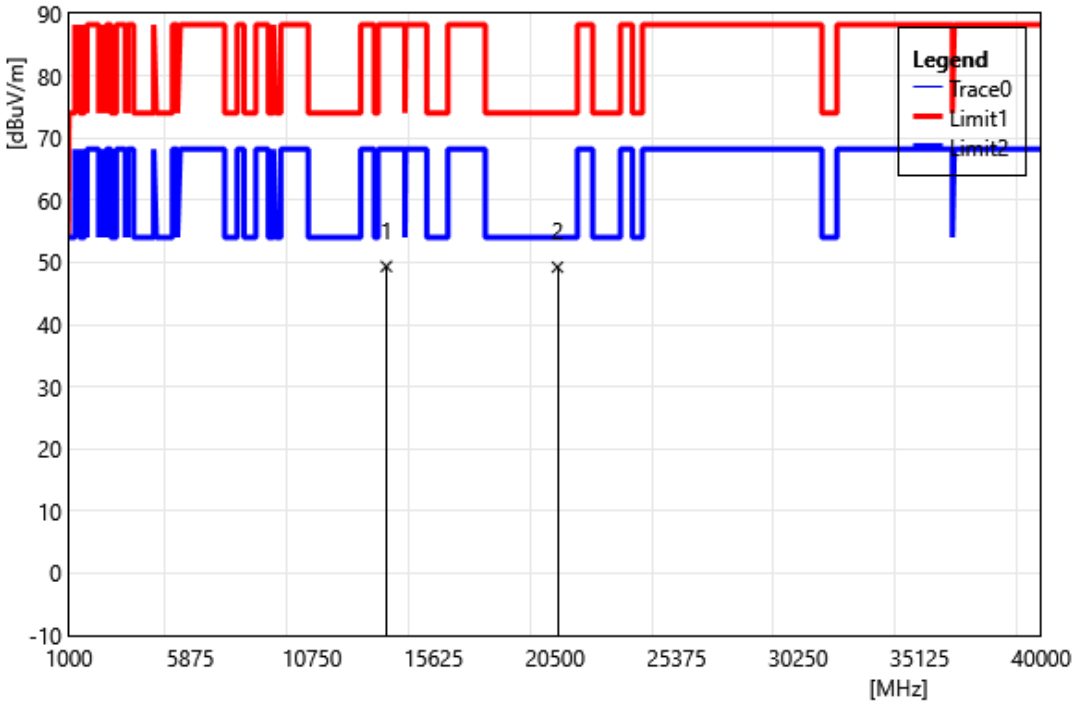
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13570.00	35.26	14.39	49.65	88.20	-38.55	PEAK
2	20355.00	32.64	16.59	49.23	74.00	-24.77	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE80 6865 MHz		
Polarization:	Vertical		
Remark:			



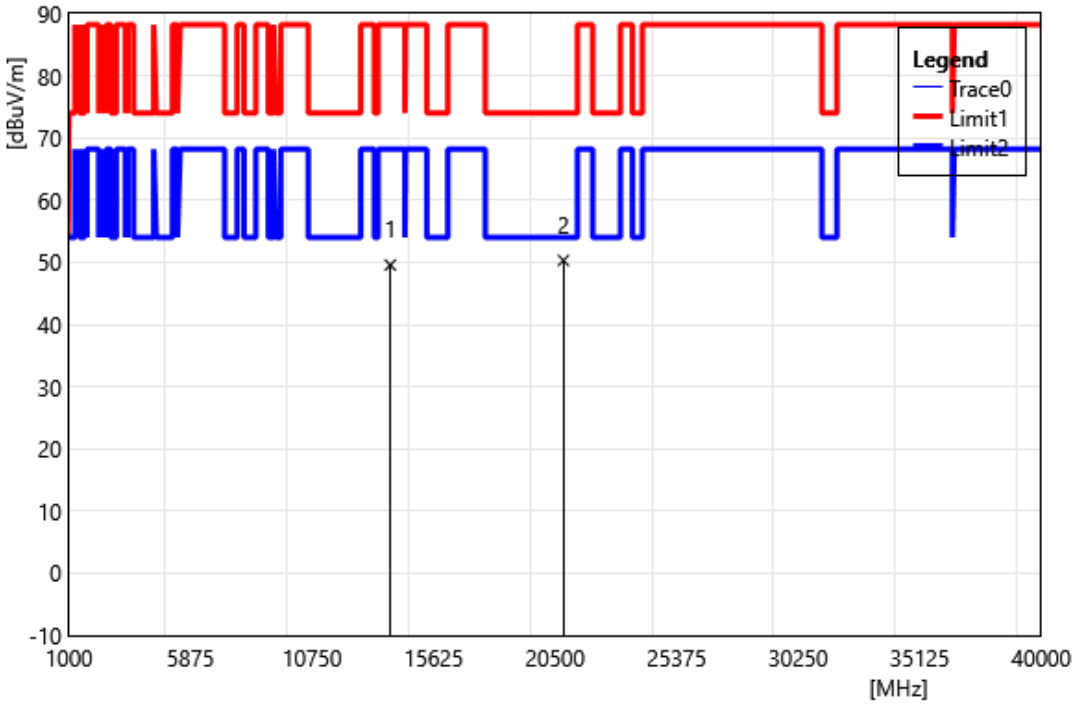
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13730.00	34.75	14.50	49.25	88.20	-38.95	PEAK
2	20595.00	32.61	16.63	49.24	74.00	-24.76	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE80 6865 MHz		
Polarization:	Horizontal		
Remark:			



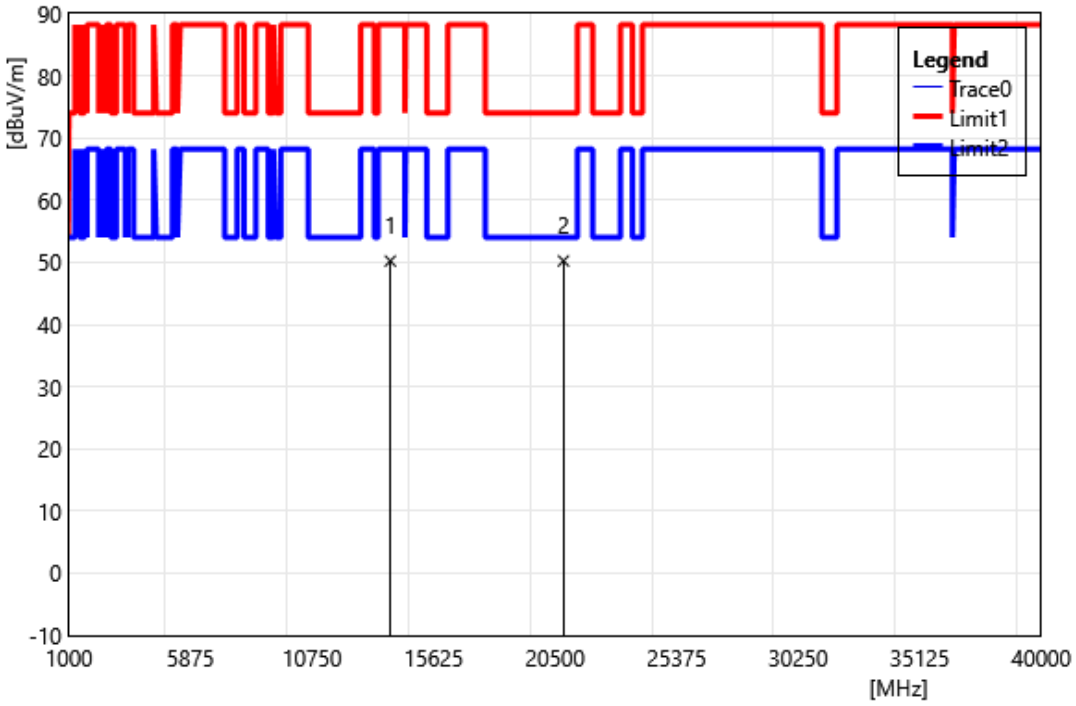
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13730.00	34.83	14.50	49.33	88.20	-38.87	PEAK
2	20595.00	32.59	16.63	49.22	74.00	-24.78	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE80 6945 MHz		
Polarization:	Vertical		
Remark:			



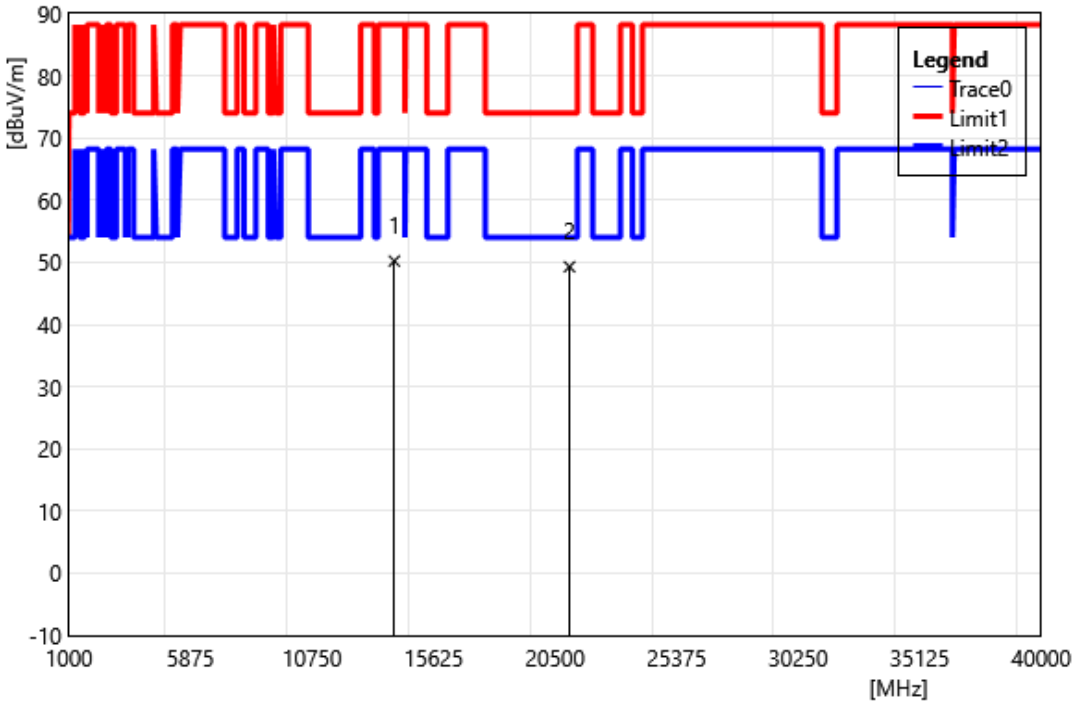
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13890.00	34.76	14.81	49.57	88.20	-38.63	PEAK
2	20835.00	33.37	16.93	50.30	74.00	-23.70	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE80 6945 MHz		
Polarization:	Horizontal		
Remark:			



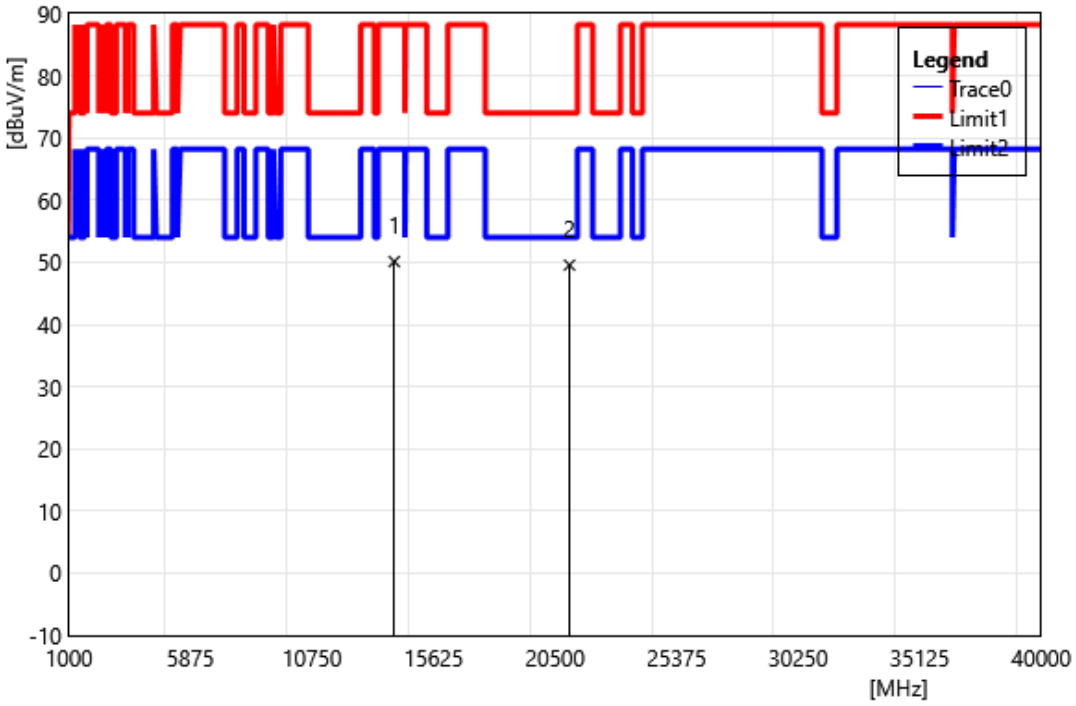
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13890.00	35.40	14.81	50.21	88.20	-37.99	PEAK
2	20835.00	33.30	16.93	50.23	74.00	-23.77	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE80 7025 MHz		
Polarization:	Vertical		
Remark:			



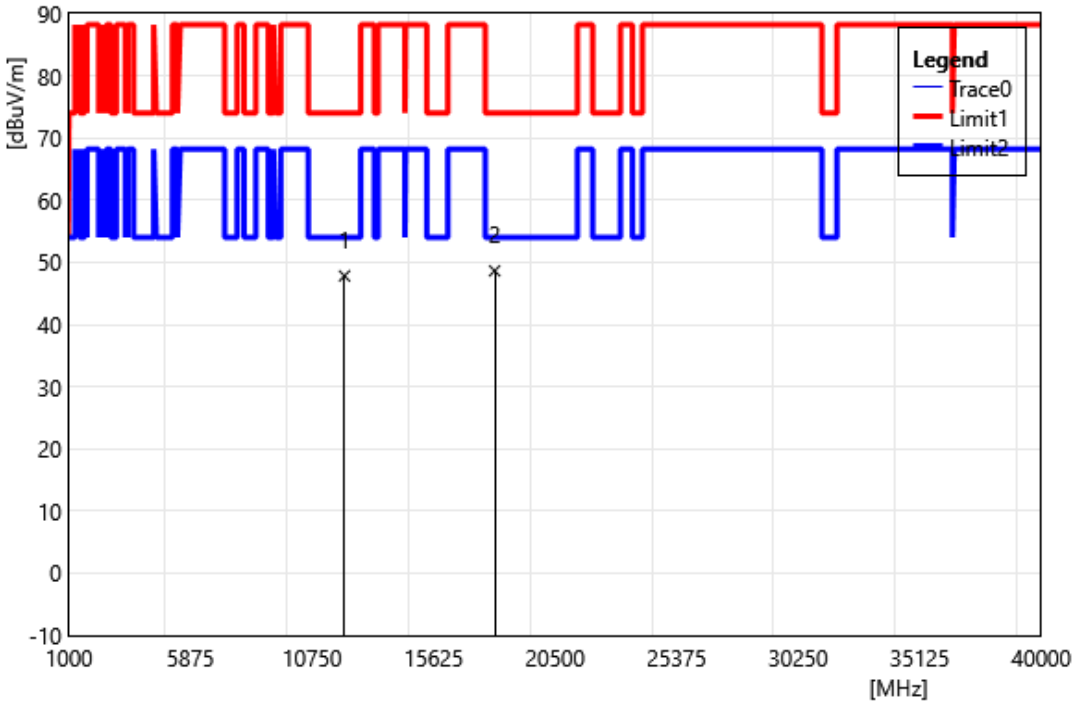
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	14050.00	35.00	15.21	50.21	88.20	-37.99	PEAK
2	21075.00	33.11	16.18	49.29	74.00	-24.71	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE80 7025 MHz		
Polarization:	Horizontal		
Remark:			



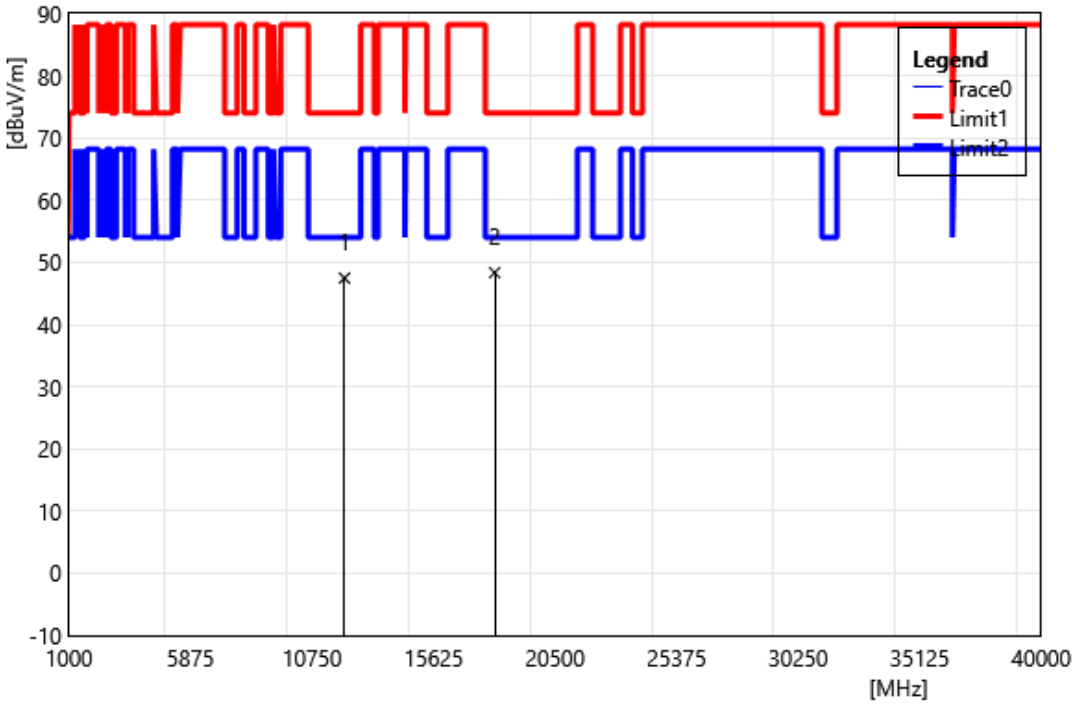
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	14050.00	34.91	15.21	50.12	88.20	-38.08	PEAK
2	21075.00	33.38	16.18	49.56	74.00	-24.44	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE160 6025 MHz		
Polarization:	Vertical		
Remark:			



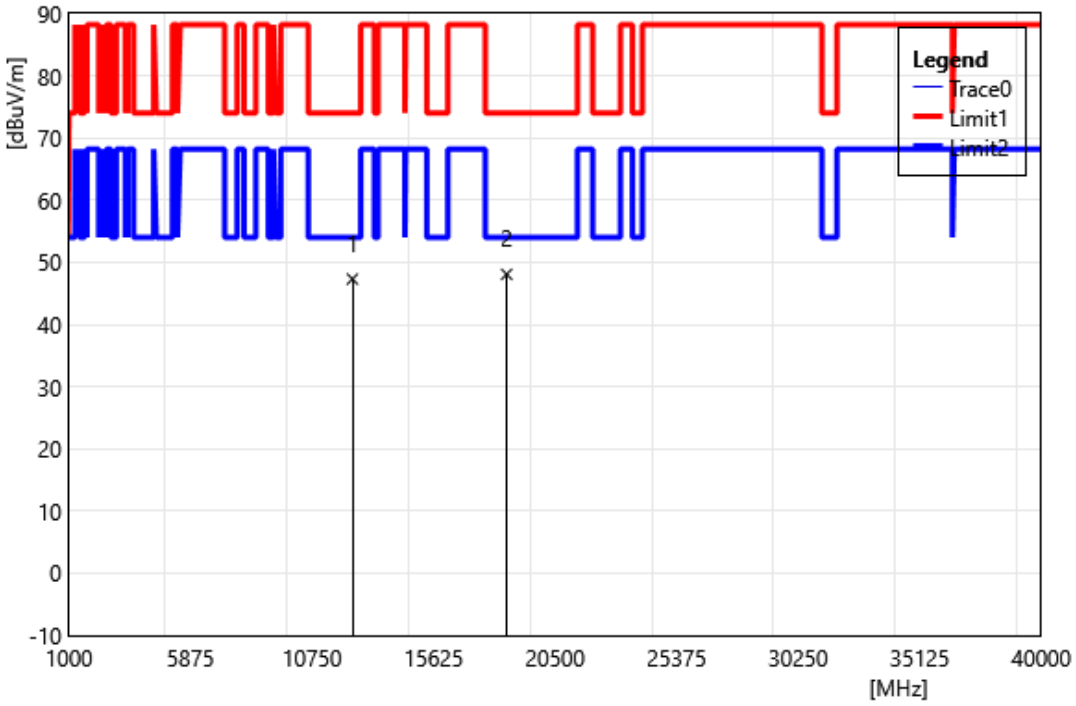
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12050.00	35.94	11.88	47.82	74.00	-26.18	PEAK
2	18075.00	34.36	14.27	48.63	74.00	-25.37	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE160 6025 MHz		
Polarization:	Horizontal		
Remark:			



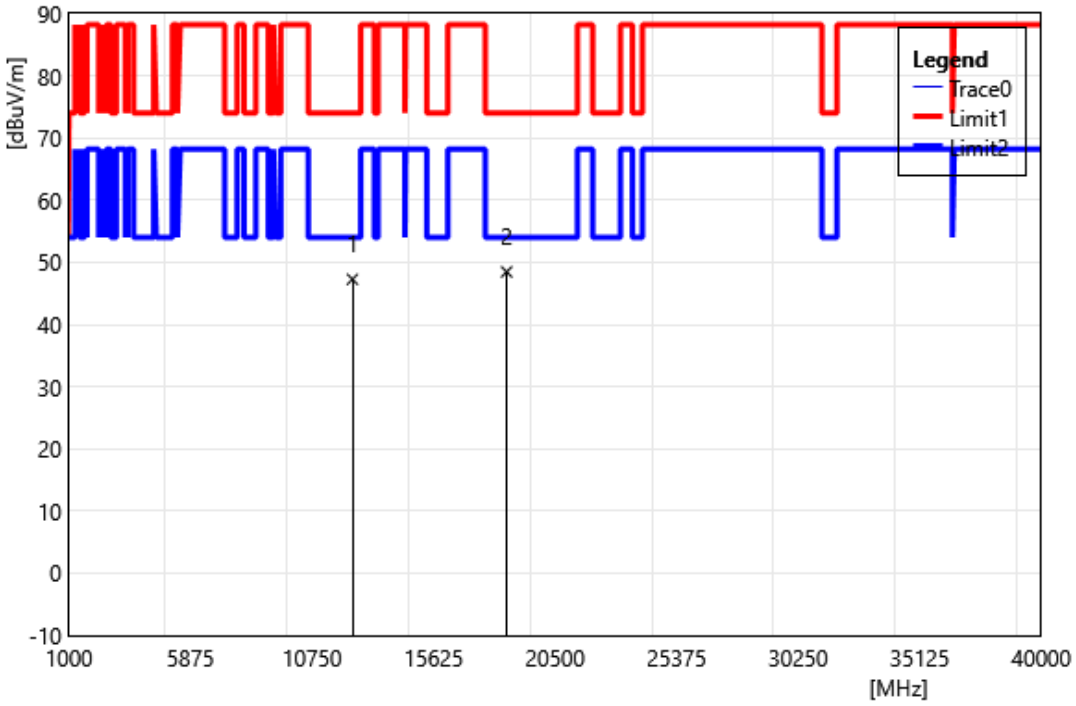
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12050.00	35.59	11.88	47.47	74.00	-26.53	PEAK
2	18075.00	34.08	14.27	48.35	74.00	-25.65	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE160 6185 MHz		
Polarization:	Vertical		
Remark:			



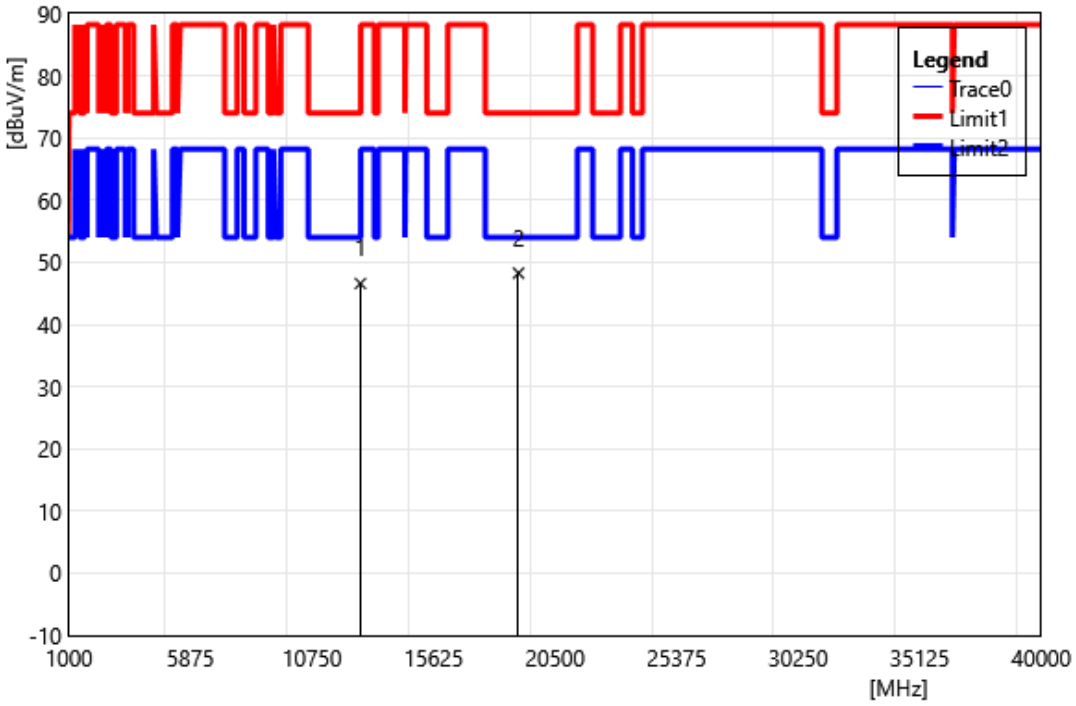
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12370.00	35.65	11.66	47.31	74.00	-26.69	PEAK
2	18555.00	33.10	14.97	48.07	74.00	-25.93	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE160 6185 MHz		
Polarization:	Horizontal		
Remark:			



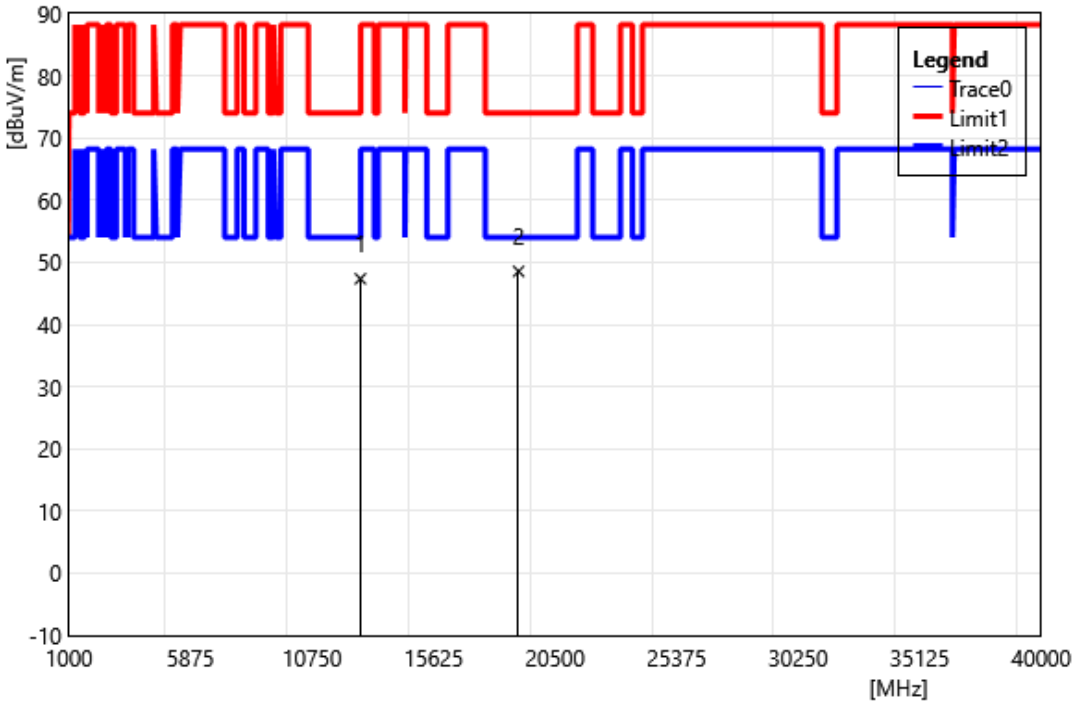
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12370.00	35.61	11.66	47.27	74.00	-26.73	PEAK
2	18555.00	33.50	14.97	48.47	74.00	-25.53	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE160 6345 MHz		
Polarization:	Vertical		
Remark:			



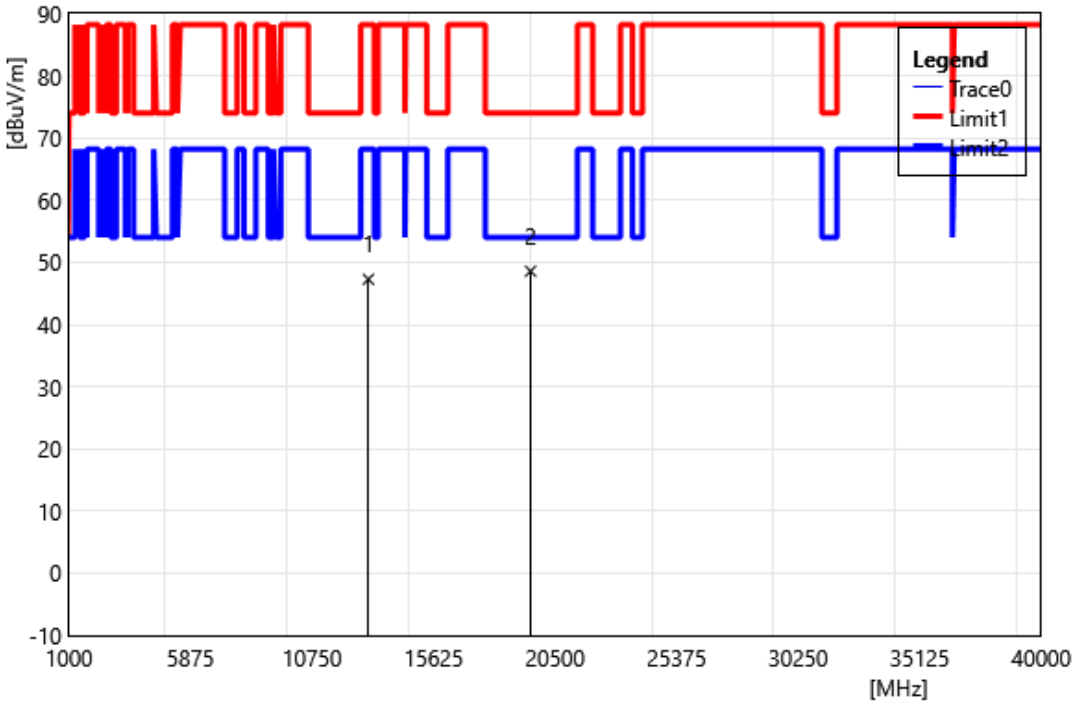
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12690.00	34.39	12.21	46.60	74.00	-27.40	PEAK
2	19035.00	32.63	15.64	48.27	74.00	-25.73	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE160 6345 MHz		
Polarization:	Horizontal		
Remark:			



ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	12690.00	35.14	12.21	47.35	74.00	-26.65	PEAK
2	19035.00	32.91	15.64	48.55	74.00	-25.45	PEAK

Test Site:	966 Chamber	Standard:	Part 15E
Test Mode:	802.11ax HE160 6505 MHz		
Polarization:	Vertical		
Remark:			



ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	13010.00	34.24	13.03	47.27	88.20	-40.93	PEAK
2	19515.00	32.77	15.80	48.57	74.00	-25.43	PEAK