ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

Testing Laboratory 3702

Applicant:	Silex Technology, Inc. 2-3-1 Hikaridai, Seika-cho, Soraku-gun, Kyoto 619-0237, Japan
Product Name:	Embedded wireless module
Brand Name:	Silex Technology
Model No.:	SX-SDMAC
Model Difference:	N/A
Report Number:	ER/2021/60012
FCC ID:	N6C-SDMAC
IC:	4908A-SDMAC
Issue Date:	Aug. 05, 2021
Date of Test:	Jun. 23, 2021 ~ Jul. 02, 2021
Date of EUT Received:	Jun. 04, 2021

Approved By _____
Blue Yang

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10:2013 and the energy emitted by the sample EUT comply with FCC rule part §15.407, ISED RSS-247.

The results of this report relate only to the sample identified in this report.

Revision History				
Report Number	**Revision**	**Description**	**Issue Date**	**Revised By**
ER/2021/60012	00	Original.	Aug. 05, 2021	Karen Huang

Note:

1. This device is adding one new antenna, so the radiated emission spot check is performed to demonstrate compliance in this report.

Contents

1 GENERAL INFORMATION

1.1 Product Description

Product Name:	Embedded wireless module
Brand Name:	Silex Technology
Model No.:	SX-SDMAC
Model Difference:	N/A
Hardware Version:	N/A
Firmware Version:	SD-330AC-YD 1.0
Class II Permissive change:	Adding new antenna with same type and lower gain on module.
Power Supply:	3.3 VDC from Power supply

1.2 Antenna Designation

Antenna Type	Freq. (MHz)	Peak Antenna Gain (dBi)	Worst Antenna Gain
Rod Antenna	5150~5250	4	-
	5250~5350		-
	5470~5725		-
	5725~5850		-

Note:
1. Antenna information is provided by the applicant.

1.3 Test Methodology of Applied Standards

FCC Part 15, Subpart E §15.407
FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01
FCC KDB 662911 D01 Multiple Transmitter Output v02r01
RSS-247 issue 2 Feb. 2017
RSS-Gen Issue 5, Amendment 2, February 2021
ANSI C63.10:2013

1.4 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designation number	IC CAB identifier
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan.	SAC 1	TW0027	TW3702
		SAC 3		
		Conduction 1		
		Conducted 1		
		Conducted 2		
		Conducted 3		
		Conducted 4		
		Conducted 5		
		Conducted 6		
		Conducted 7		
		Conducted 8		
		Conducted 9		
		Conducted 10		
	No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333	Conduction A	TW0028	
		SAC C		
		SAC D		
		SAC E		
		Conducted A		
		Conducted B		
		Conducted C		
		Conducted D		
		Conducted E		
		Conducted F		
		Conducted G		
		Conducted H		
		Conducted I		
		Conducted J		
		Conducted TS8997		

Note: Test site name is remarked on the equipment list in each section of this report as an indication where measurements occurred in specific test site and address.

1.5 Special Accessories

There are no special accessories used while test was conducted.

1.6 Equipment Modifications

There was no modification incorporated into the EUT.

2 SYSTEM TEST CONFIGURATION

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

An engineering test mode (software/firmware) that applicant provided was utilized to manipulate the EUT into transmit, selection of the test channel, and modulation scheme.

2.3 Test Procedure

2.3.1 Radiated Emissions

The EUT is a placed on a turn table. For emissions testing at or below 1 GHz, the table height shall be 0.8 m above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made “while keeping the antenna in the ‘cone of radiation’ from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response.” is still within the 3dB illumination BW of the measurement antenna.

2.4 Measurement Results Explanation Example

2.4.1 Radiated Emission Test Sites For Measurements From 9 kHz To 30 MHz

Radiated emission below 30MHz is measured in a 9m*9m*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.
There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

2.5 Configuration of Tested System

Fig. 2-1 Radiated Emission Configuration

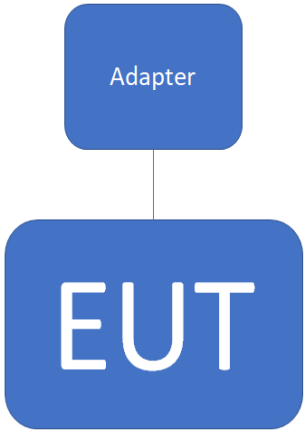


Table 2-1 Equipment Used in Tested System

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Data Cable	Power Cord
1.	WLAN Test Software	N/A	N/A	N/A	N/A	N/A

3 SUMMARY OF TEST RESULT

FCC Rules	IC Rules	Description Of Test	Result
§15.205 §15.209 §15.407(b)	RSS-247 §6.2.1~ 4 (2)	Undesirable Radiated Emissions	Compliant

4 DESCRIPTION OF TEST MODES

4.1 802.11a/n/ac operated in U-NII Bands

Operated band in 5150 MHz ~5250 MHz:

20 M	
CH	Freq (MHz)
36	5180
40	5200
44	5220
48	5240

40 M	
CH	Freq (MHz)
38	5190
46	5230

Operated band in 5250 MHz ~5350 MHz:

20 M	
CH	Freq (MHz)
52	5260
56	5280
60	5300
64	5320

40 M	
CH	Freq (MHz)
54	5270
62	5310

Operated band in 5470 MHz ~5725 MHz:

20 M	
CH	Freq (MHz)
100	5500
104	5520
108	5540
112	5560
116	5580
120	5600
124	5620
128	5640
132	5660
136	5680
140	5700

40 M	
CH	Freq (MHz)
102	5510
110	5550
118	5590
126	5630
134	5670

Operated band in 5725 MHz ~5850 MHz:

20 M	
CH	Freq (MHz)
149	5745
153	5765
157	5785
161	5805
165	5825

40 M	
CH	Freq (MHz)
151	5755
159	5795

Note: Operating in 5600~5650MHz is prohibited in Canada for Master device

4.2 The Worst Test Modes and Channel Details

1. The EUT has been tested under operating condition.
2. Test program used to control the EUT for staying in continuous transmitting mode is programmed.
3. Investigation has been done on all the possible configurations for searching the worst case.
   The given UE is pre-scanned among below modes.

Modulation	Transmission Chain				Single Transmission Spatial	Multiple Transmission Spatial
☒ 802.11 a	☒ Ch0	☐ Ch1	☐ Ch2	☐ Ch3	☒ 1TX	☐ 2TX
☒ 802.11 n	☒ Ch0	☐ Ch1	☐ Ch2	☐ Ch3	☒ SISO	☐ MIMO
☐ 802.11 ac	☐ Ch0	☐ Ch1	☐ Ch2	☐ Ch3	☐ SISO	☐ MIMO
☐ 802.11 ax	☐ Ch0	☐ Ch1	☐ Ch2	☐ Ch3	☐ SISO	☐ MIMO

4. Therefore, below summary is the modes of test configuration that yield the highest reading and generate the highest emission chosen to carry out the relevantly mandatory test items.

4.2.1 RADIATED EMISSION TEST:

RADIATED EMISSION TEST (BELOW 1 GHz)						
MODE	FREQUENCY BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11a	5180~5240	36 to 48	44	OFDM	6	ch0
	5260~5320	52 to 64	60			
	5500~5700	100 to 140	116			
	5745~5825	149 to 165	157			

RADIATED EMISSION TEST (ABOVE 1 GHz)						
MODE	FREQUENCY BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11a	5180~5240	36 to 48	36,44,48	OFDM	6	ch0
	5260~5320	52 to 64	52,60,64			
	5500~5700	100 to 140	100,116,140			
	5745~5825	149 to 165	149,157,165			
802.11n_HT20	5180~5240	36 to 48	36,44,48	OFDM	MCS0	ch0
	5260~5320	52 to 64	52,60,64			
	5500~5700	100 to 140	100,116,140			
	5745~5825	149 to 165	149,157,165			
802.11n_HT40	5190~5230	38 to 46	38,46	OFDM	MCS0	ch0
	5270~5310	54 to 62	54,62			
	5510~5670	102 to 134	102,110,134			
	5755~5795	151 to 159	151,159			

Note: The field strength of radiation emission was measured as EUT three orthogonal planes, E1 / E2 / H, are positioned to pre-scan the emission generating the highest one. The worst position is tested and recorded.

5 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty		
AC Power Line Conducted Emission	+/-	2.34	dB
Emission Bandwidth	+/-	1.53	Hz
The Maximum Output Power Measurement	+/-	1	dB
Peak Power Spectral Density Measurement	+/-	1.53	dB
Frequency Stability	+/-	1.53	Hz
Temperature	+/-	0.4	°C
Humidity	+/-	3.5	%
DC / AC Power Source	+/-	1	%

Radiated Spurious Emission Measurement Uncertainty				
Polarization: Vertical	**+/-**	**2.64**	**dB**	9kHz~30MHz
	+/-	**4.93**	**dB**	30MHz - 1000MHz
	+/-	**4.81**	**dB**	1GHz - 18GHz
	+/-	**4.52**	**dB**	18GHz - 40GHz
Polarization: Horizontal	**+/-**	**2.64**	**dB**	9kHz~30MHz
	+/-	**4.45**	**dB**	30MHz - 1000MHz
	+/-	**4.81**	**dB**	1GHz - 18GHz
	+/-	**4.52**	**dB**	18GHz - 40GHz

Note:

1. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.
2. The conformity assessment statement in this report is based solely on the test results, measurement uncertainty is excluded.

6 UNDESIRABLE RADIATED EMISSION MEASUREMENT

6.1 Standard Applicable

6.1.1 Band Edge

The maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

1. For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

2. For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

APPLICABLE TO	EIRP LIMIT	FIELD STRENGTH AT 3m
15.407(b)(1) RSS-247 §6.2.1.2	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)
15.407(b)(2) RSS-247 §6.2.2.2		
15.407(b)(3) RSS-247 §6.2.3.2		
15.407(b)(4)(i) RSS-247 §6.2.4.2	PK:-27 (dBm/MHz) *1 PK:10 (dBm/MHz) *2 PK:15.6 (dBm/MHz) *3 PK:27 (dBm/MHz) *4	PK: 68.2 (dBμV/m) *1 PK:105.2 (dBμV/m) *2 PK: 110.8(dBμV/m) *3 PK:122.2 (dBμV/m) *4
*1 beyond 75 MHz or more above of the bandedge. *2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above. *3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above. *4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.		

*EIRP = ((E*d)^2) / 30, where E is the field in V/m, d is the measurement distance (3m), EIRP is the equivalent isotropically radiated power in Watts.*

6.1.2 Spurious Emission

Unwanted spurious emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table:

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

Note:

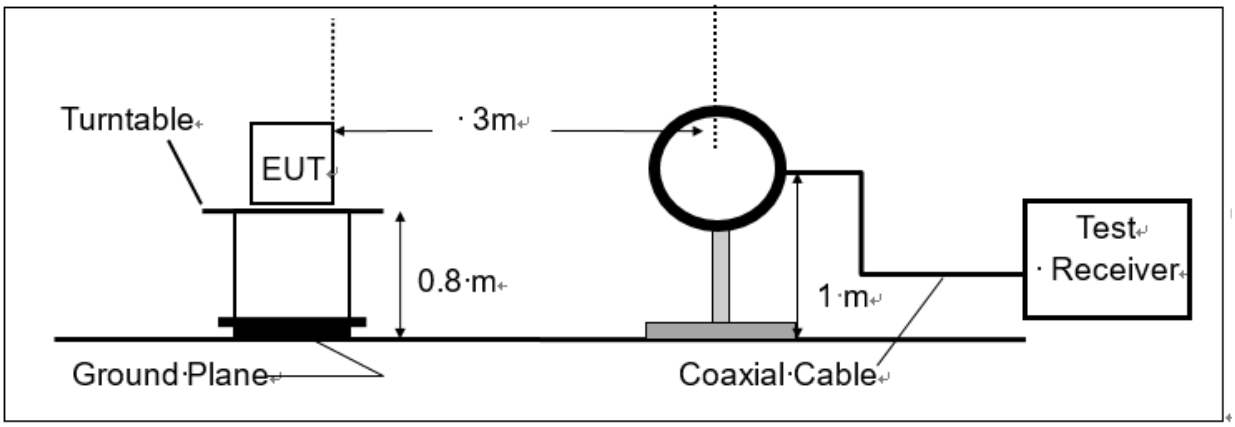
1. *The lower limit shall apply at the transition frequencies.*
2. *Emission level (dBμV/m) = 20 log Emission level (μV/m)*

6.2 Measurement Equipment Used

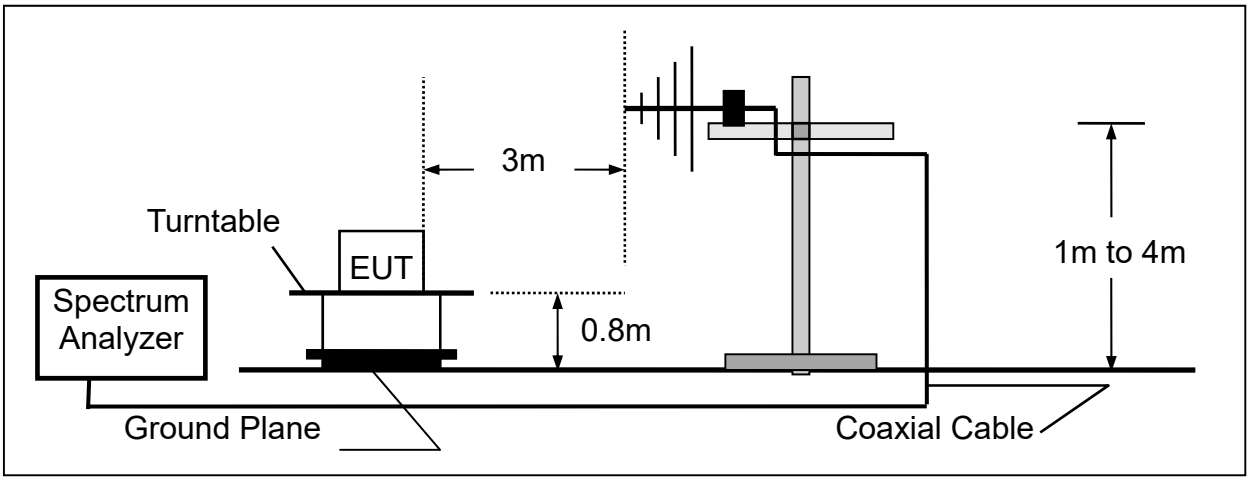
Radiated Emission Test Site: SAC 1					
EQUIPMENT TYPE	**MFR**	**MODEL NUMBER**	**SERIAL NUMBER**	**LAST CAL.**	**CAL DUE.**
Horn Antenna	SCHWARZ-BECK	BBHA9170	184	12/11/2020	12/10/2021
Site Cal	SGS	SAC I cham-ber	N/A	01/01/2021	12/31/2021
Horn Antenna	SCHWARZ-BECK	BBHA9120D	D803	12/17/2020	12/16/2021
Bi-log Antenna	TESEO	CBL 6112D	35242 & AT-N0555	01/13/2021	01/12/2022
Loop Antenna	ETS.LIND-GREN	6502	148045	10/19/2020	10/18/2021
Spectrum Analyzer	Agilent	E4446A	MY51100003	10/29/2020	10/28/2021
Test Software	audix	e3	Ver. 6.11-20180413	01/01/2021	12/31/2021
EMI Test Receiver	R&S	ESCI 7	100759	07/13/2020	07/12/2021
Pre-Amplifier	EMC Instru-ments	EMC184045B	980135	12/16/2020	12/15/2021
Pre-Amplifier	HP	8449B	3008A01973	12/16/2020	12/15/2021
Pre-Amplifier	HP	8447D	2944A09469	12/16/2020	12/15/2021
Attenuator	Mini-Circuit	BW-S10W2+	4	12/16/2020	12/15/2021
Bandreject Filter 5150-5350	Micro-Tronics	BRM50703	1	12/16/2020	12/15/2021
Bandreject Filter 5470-5725	Micro-Tronics	BRM50704	1	12/16/2020	12/15/2021
Bandreject Filter 5725-5875	Micro-Tronics	BRM50705	1	12/16/2020	12/15/2021
3.2GHz High Pass Filter	WI	WHKX10-2624-80SS	3	04/20/2021	12/15/2021
Coaxial Cable	Huber Suhner	succoflex 102	MY2622/2	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	succoflex 104A	800086/4a	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	EMC 104-SM-SM-2000	160123	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY2630/2	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY22962/2	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 102	SN 520430/2	12/16/2020	12/15/2021

6.3 Test SET-UP

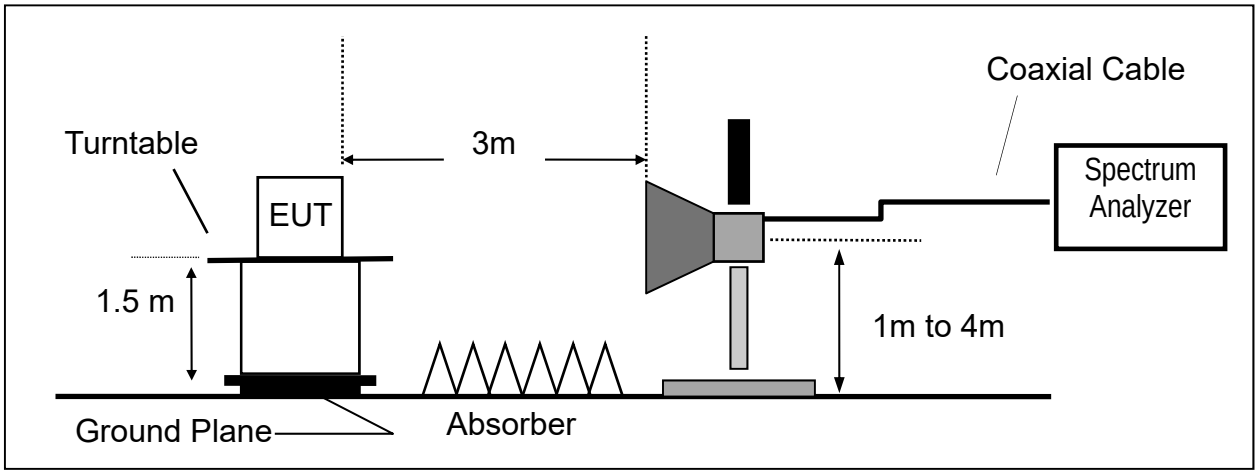
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



(B) Radiated Emission Test Set-Up, Frequency From 30MHz to 1000MHz



(C) Radiated Emission Test Set-Up, Frequency Above 1GHz



6.4 Measurement Procedure

1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules .
3. The EUT was placed on a turn table with 0.8m for frequency< 1GHz and 1.5m for frequency> 1GHz above ground plane.
4. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
5. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
6. Set the spectrum analyzer as RBW=120 kHz and VBW=300 kHz for Peak Detector (PK) and Quasi-peak (QP) at frequency below 1 GHz.
7. At frequency above 1 GHz, Set the spectrum analyzer:
   A. RBW=1 MHz, VBW=3 MHz for **Peak** Detector.
   B. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW ≥ 1/T (Duty cycle < 98%) for **Average** Detector.
8. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
9. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
10. Repeat above procedures until all frequency measured were complete.

6.5 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL – AG$$

Where *FS = Field Strength* *CL = Cable Attenuation Factor (Cable Loss)*
RA = Reading Amplitude *AG = Amplifier Gain*
AF = Antenna Factor

*The limit of the emission level is expressed in dBuV/m, which converts 20*log(uV/m)*

Actual FS(dBμV/m) = SPA. Reading level(dBμV) + Factor(dB)

Factor(dB) = Antenna Factor(dBμV/m) + Cable Loss(dB) – Pre_Amplifier Gain(dB)

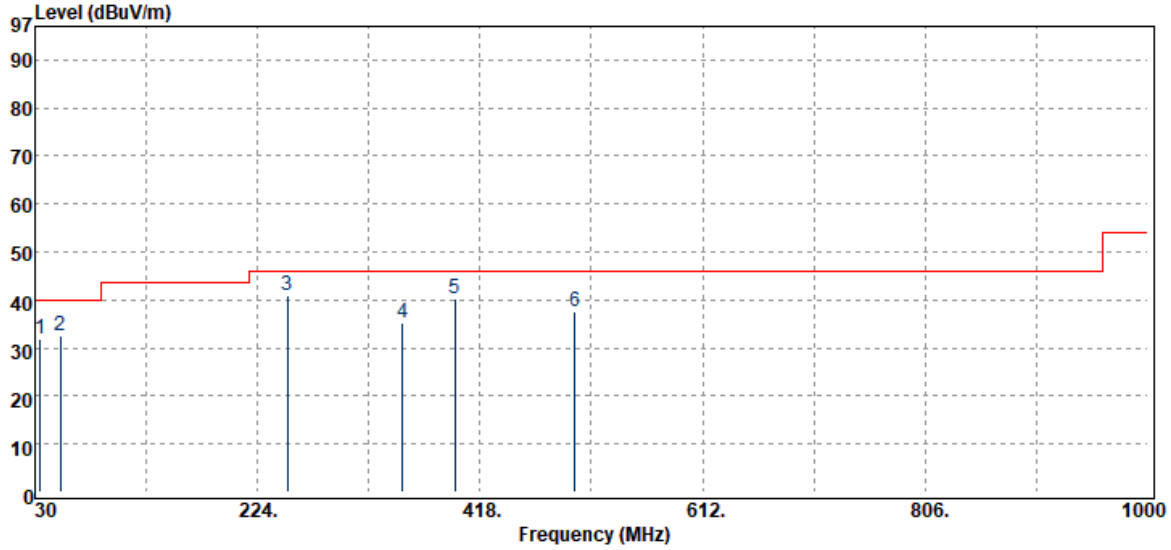
6.6 Test Results of Radiated Spurious Emissions from 9 kHz to 30 MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit per 15.31(o) & RSS-GEN §6.13.2 was not reported.

6.7 Radiated Spurious Emission Measurement Result

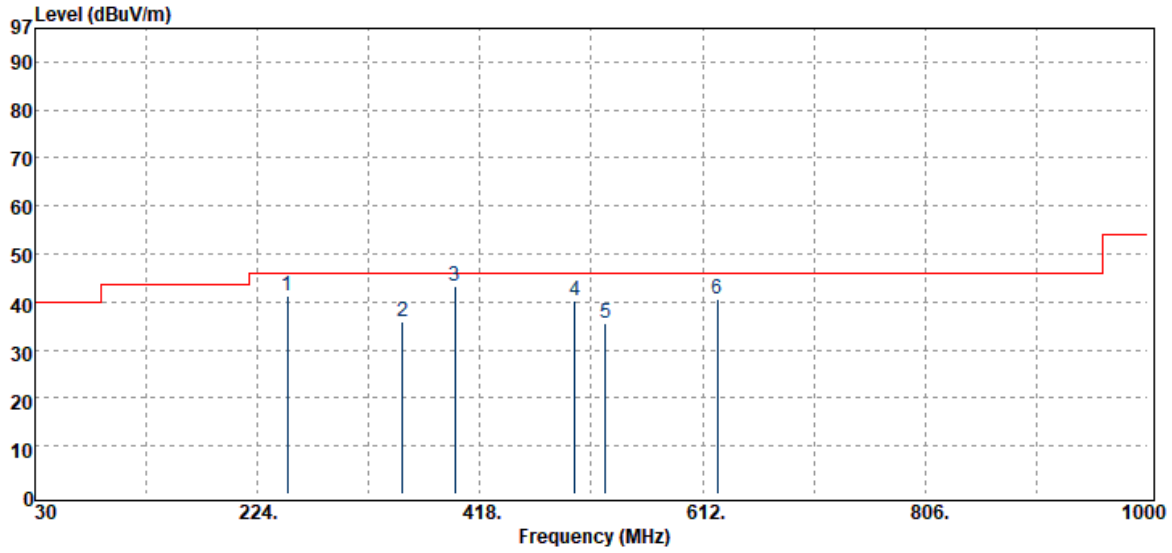
6.7.1 Worst-Case Data:

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-29
Test Frequency	:5220 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



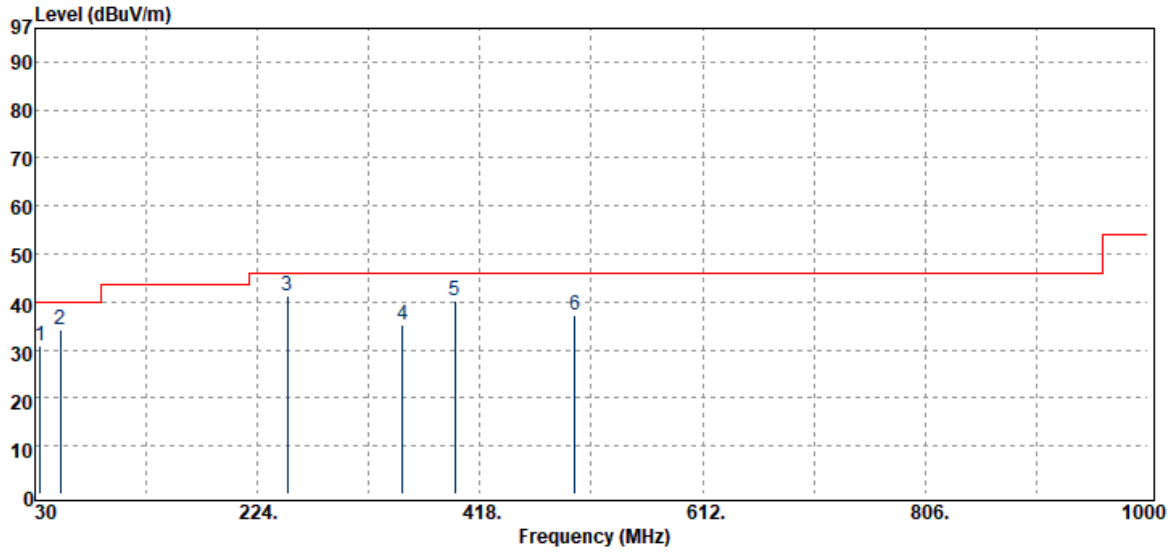
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
34.85	Peak	38.75	-7.02	31.73	40.00	-8.27
52.31	Peak	49.24	-16.71	32.53	40.00	-7.47
250.19	Peak	50.86	-9.87	40.99	46.00	-5.01
350.10	Peak	42.80	-7.68	35.12	46.00	-10.88
395.69	QP	47.21	-6.95	40.26	46.00	-5.74
500.45	Peak	43.02	-5.44	37.58	46.00	-8.42

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-29
Test Frequency	:5220 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH Mid	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



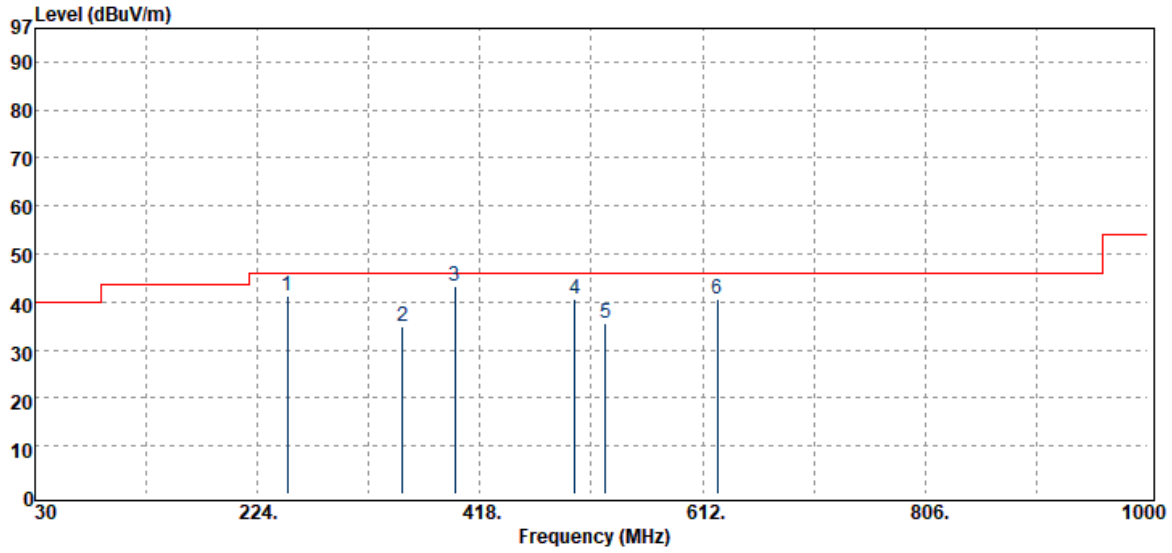
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
250.19	QP	51.01	-9.87	41.14	46.00	-4.86
350.10	Peak	43.43	-7.68	35.75	46.00	-10.25
395.69	QP	50.25	-6.95	43.30	46.00	-2.70
500.45	Peak	45.74	-5.44	40.30	46.00	-5.70
527.61	Peak	40.19	-4.69	35.50	46.00	-10.50
624.61	Peak	43.89	-3.29	40.60	46.00	-5.40

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-29
Test Frequency	:5300 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



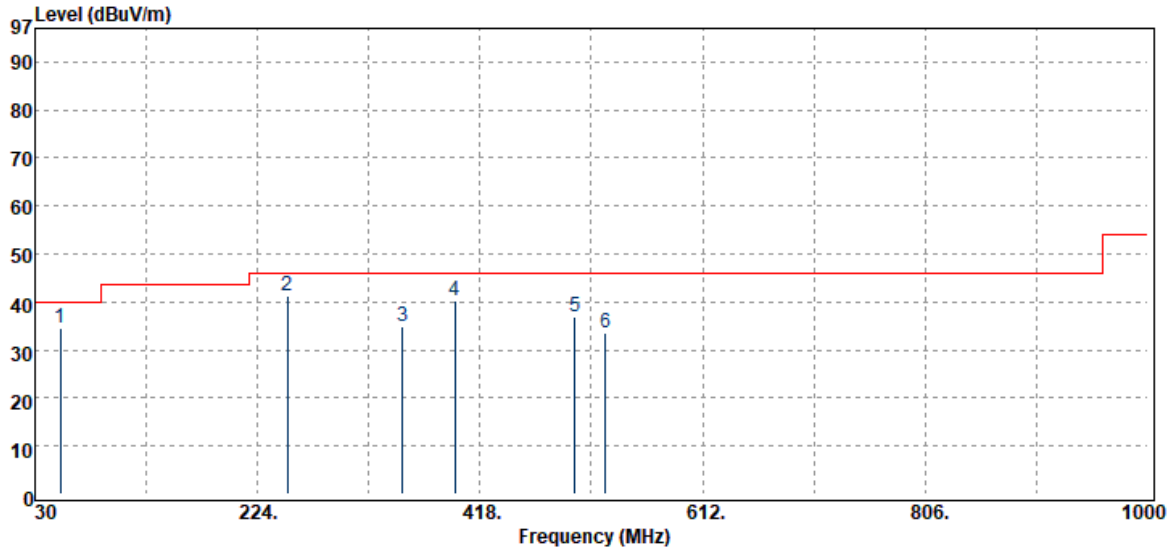
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
34.85	Peak	37.97	-7.02	30.95	40.00	-9.05
52.31	Peak	51.05	-16.71	34.34	40.00	-5.66
250.19	Peak	51.17	-9.87	41.30	46.00	-4.70
350.10	Peak	42.82	-7.68	35.14	46.00	-10.86
395.69	QP	47.32	-6.95	40.37	46.00	-5.63
500.45	Peak	42.59	-5.44	37.15	46.00	-8.85

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-29
Test Frequency	:5300 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH Mid	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



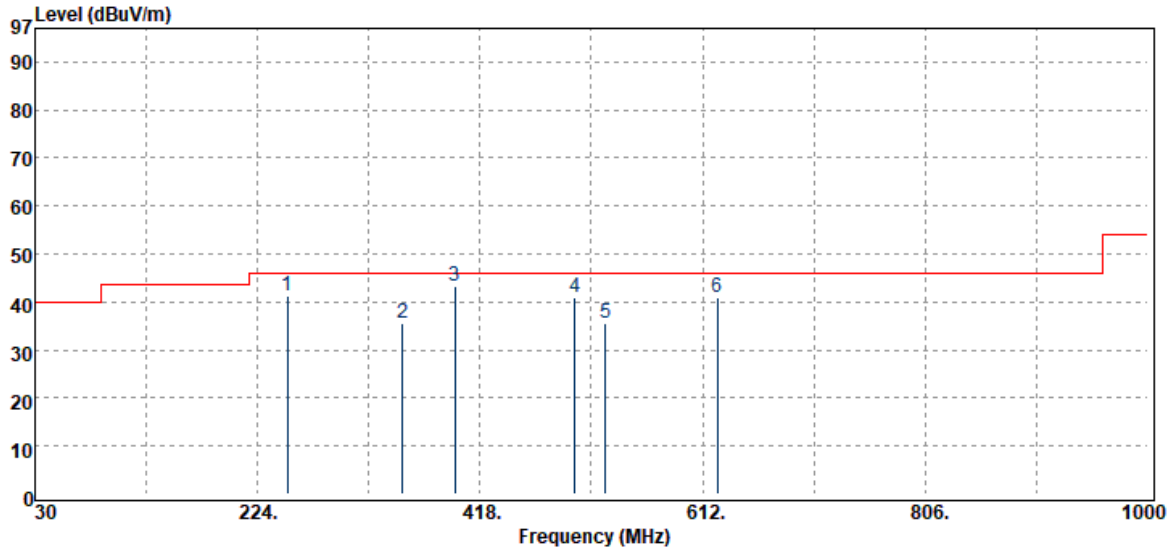
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
250.19	QP	51.13	-9.87	41.26	46.00	-4.74
350.10	Peak	42.64	-7.68	34.96	46.00	-11.04
395.69	QP	50.27	-6.95	43.32	46.00	-2.68
500.45	Peak	45.93	-5.44	40.49	46.00	-5.51
527.61	Peak	40.36	-4.69	35.67	46.00	-10.33
624.61	Peak	43.89	-3.29	40.60	46.00	-5.40

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-29
Test Frequency	:5580 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



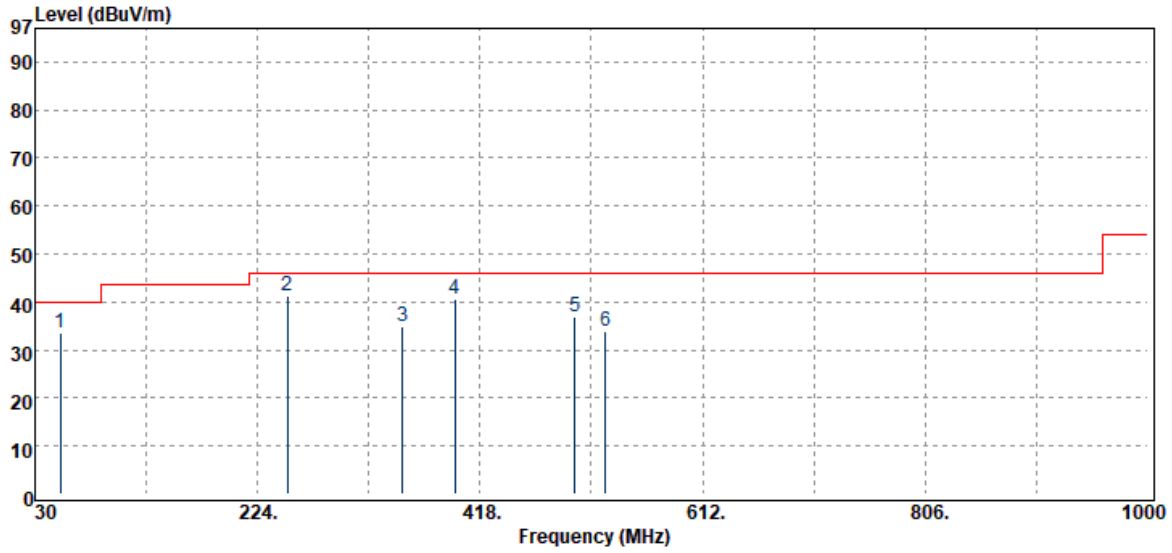
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
52.31	Peak	51.27	-16.71	34.56	40.00	-5.44
250.19	Peak	51.30	-9.87	41.43	46.00	-4.57
350.10	Peak	42.60	-7.68	34.92	46.00	-11.08
395.69	QP	47.22	-6.95	40.27	46.00	-5.73
500.45	Peak	42.45	-5.44	37.01	46.00	-8.99
527.61	Peak	38.23	-4.69	33.54	46.00	-12.46

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-29
Test Frequency	:5580 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH Mid	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



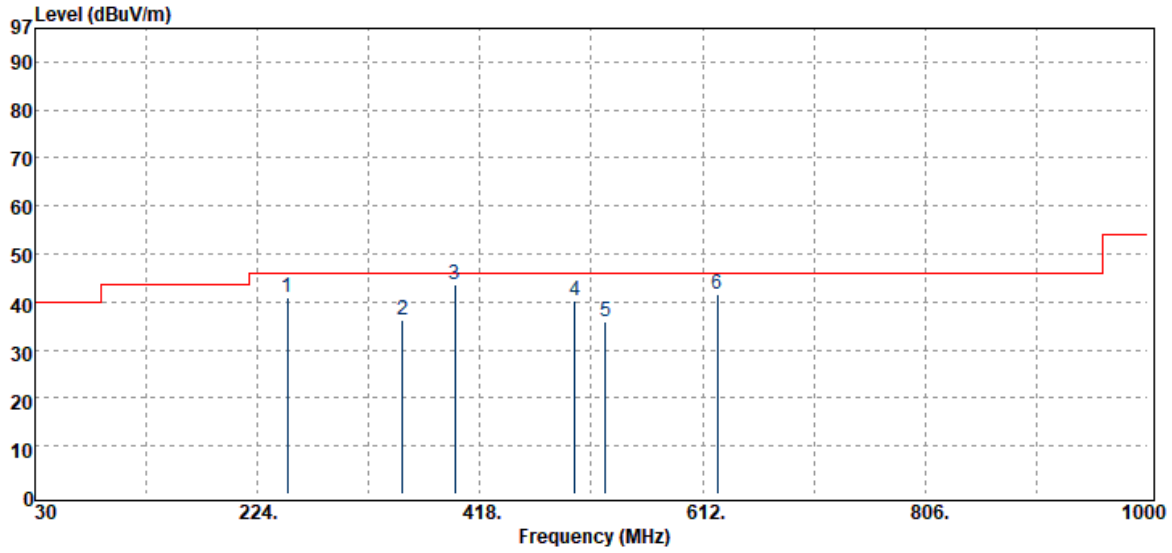
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
250.19	QP	51.08	-9.87	41.21	46.00	-4.79
350.10	Peak	43.16	-7.68	35.48	46.00	-10.52
395.69	QP	50.38	-6.95	43.43	46.00	-2.57
500.45	Peak	46.47	-5.44	41.03	46.00	-4.97
527.61	Peak	40.25	-4.69	35.56	46.00	-10.44
624.61	Peak	44.39	-3.29	41.10	46.00	-4.90

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-29
Test Frequency	:5785 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



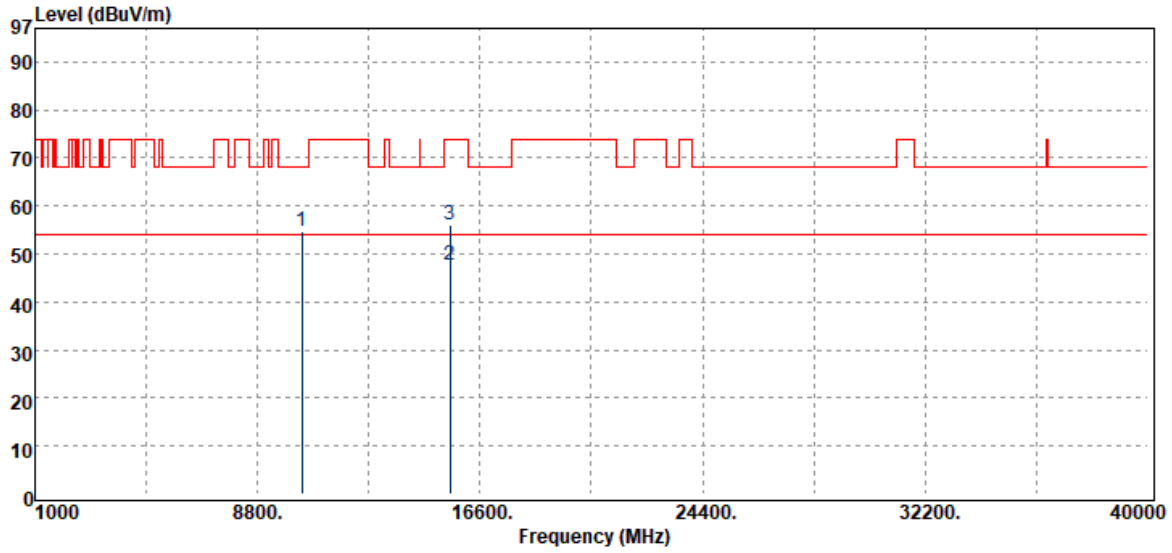
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
52.31	Peak	50.37	-16.71	33.66	40.00	-6.34
250.19	Peak	50.99	-9.87	41.12	46.00	-4.88
350.10	Peak	42.75	-7.68	35.07	46.00	-10.93
395.69	QP	47.51	-6.95	40.56	46.00	-5.44
500.45	Peak	42.22	-5.44	36.78	46.00	-9.22
527.61	Peak	38.59	-4.69	33.90	46.00	-12.10

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-29
Test Frequency	:5785 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH Mid	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



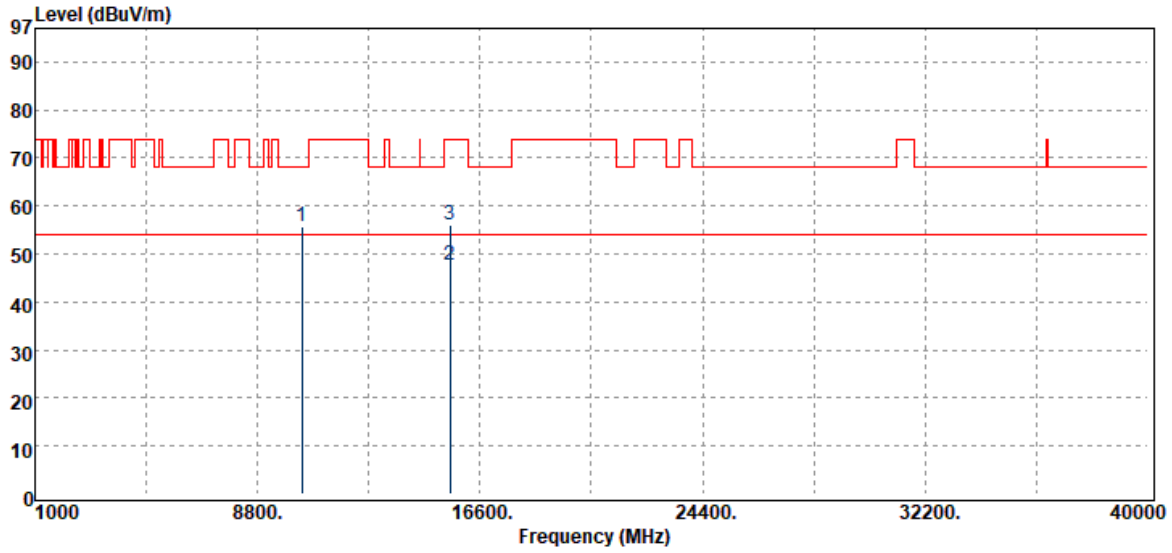
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
250.19	QP	50.88	-9.87	41.01	46.00	-4.99
350.10	Peak	44.07	-7.68	36.39	46.00	-9.61
395.69	QP	50.48	-6.95	43.53	46.00	-2.47
500.45	Peak	45.72	-5.44	40.28	46.00	-5.72
527.61	Peak	40.56	-4.69	35.87	46.00	-10.13
624.61	Peak	44.79	-3.29	41.50	46.00	-4.50

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-28
Test Frequency	:5180 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



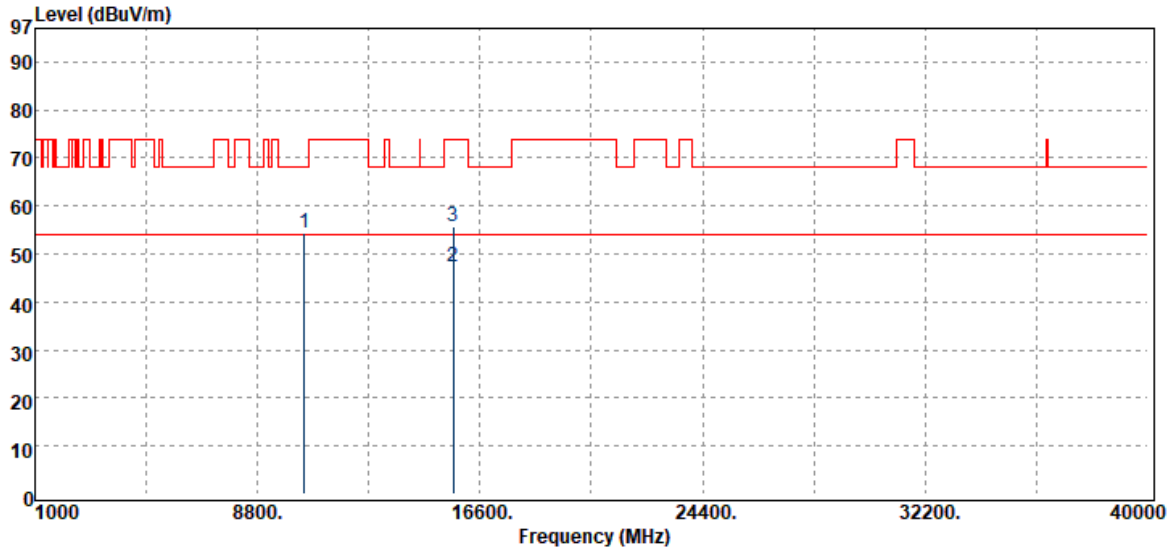
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10360.00	Peak	35.11	19.56	54.67	68.20	-13.53
15540.00	Average	25.07	22.43	47.50	54.00	-6.50
15540.00	Peak	33.58	22.43	56.01	74.00	-17.99

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-28
Test Frequency	:5180 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



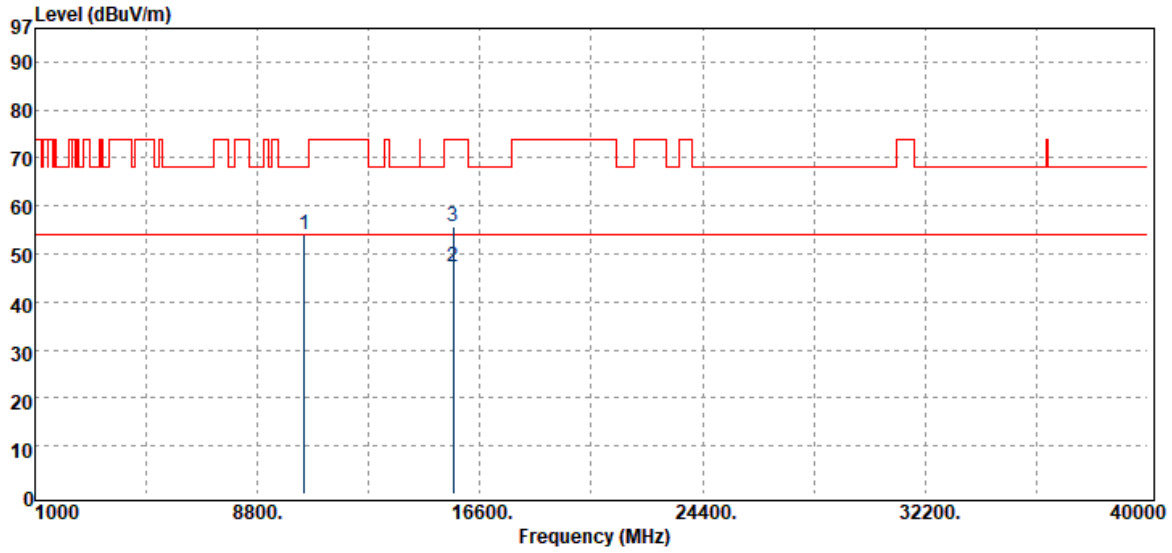
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10360.00	Peak	36.11	19.56	55.67	68.20	-12.53
15540.00	Average	25.22	22.43	47.65	54.00	-6.35
15540.00	Peak	33.77	22.43	56.20	74.00	-17.80

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-28
Test Frequency	:5220 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



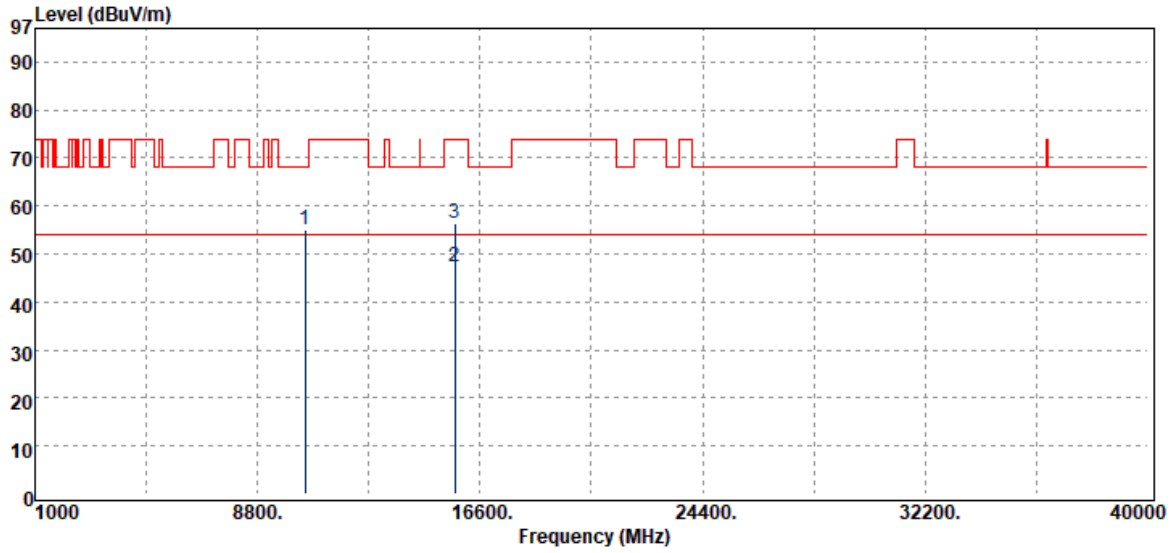
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10440.00	Peak	35.21	19.12	54.33	68.20	-13.87
15660.00	Average	25.47	21.78	47.25	54.00	-6.75
15660.00	Peak	33.99	21.78	55.77	74.00	-18.23

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-28
Test Frequency	:5220 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Mid	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



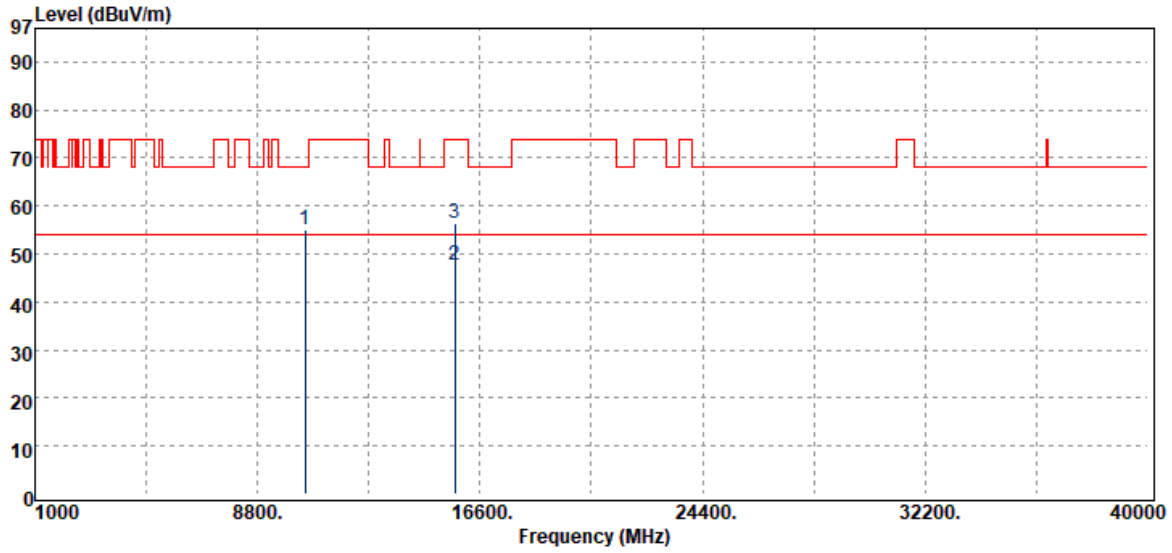
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10440.00	Peak	35.04	19.12	54.16	68.20	-14.04
15660.00	Average	25.50	21.78	47.28	54.00	-6.72
15660.00	Peak	34.07	21.78	55.85	74.00	-18.15

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-28
Test Frequency	:5240 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



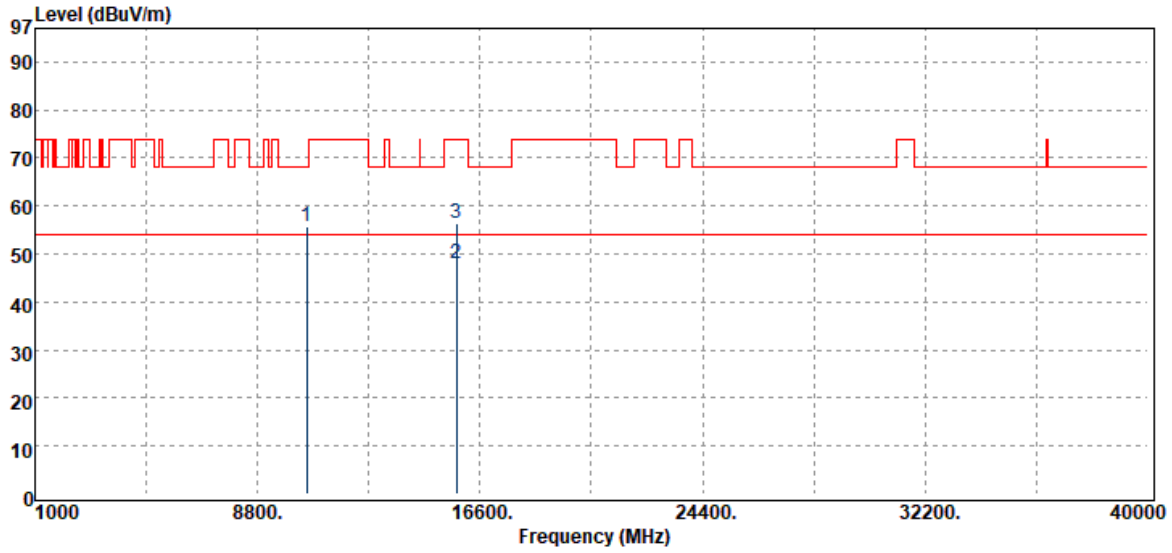
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10480.00	Peak	35.37	19.83	55.20	68.20	-13.00
15720.00	Average	25.69	21.62	47.31	54.00	-6.69
15720.00	Peak	34.79	21.62	56.41	74.00	-17.59

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-28
Test Frequency	:5240 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



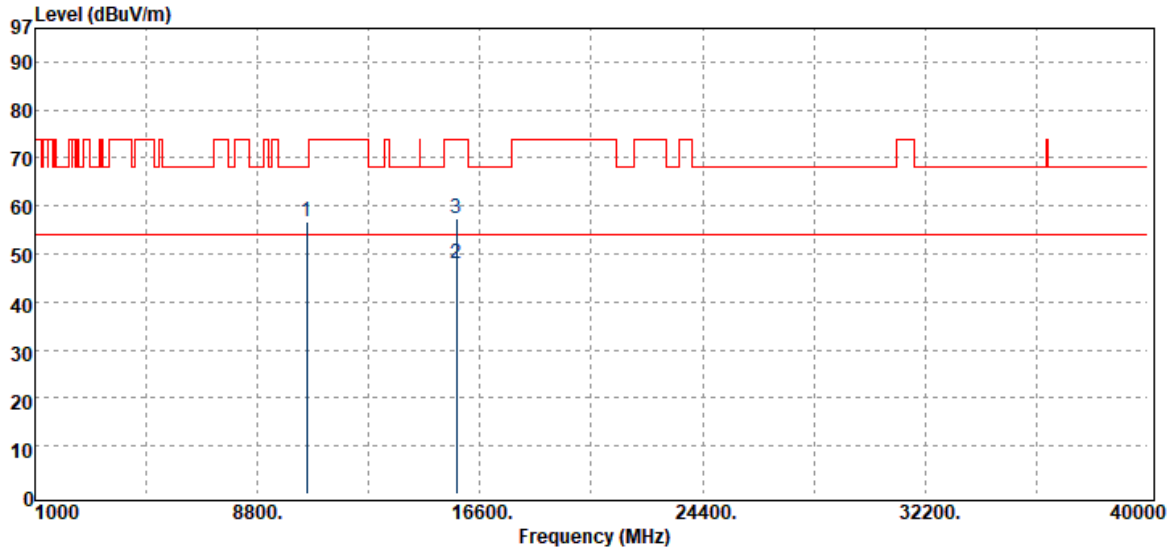
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10480.00	Peak	35.25	19.83	55.08	68.20	-13.12
15720.00	Average	25.99	21.62	47.61	54.00	-6.39
15720.00	Peak	34.62	21.62	56.24	74.00	-17.76

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-28
Test Frequency	:5260 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



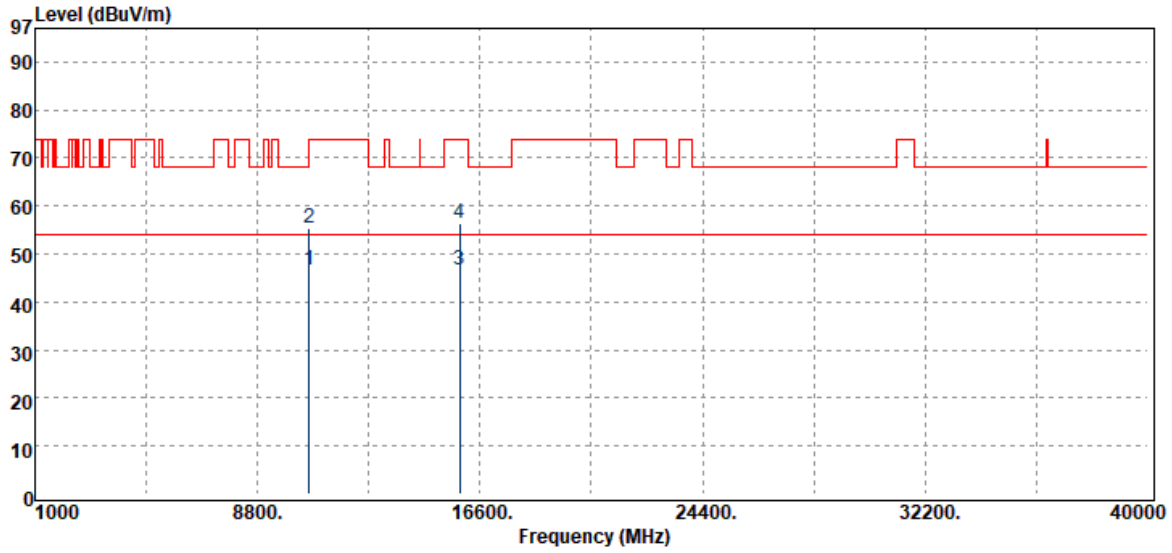
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10520.00	Peak	35.27	20.37	55.64	68.20	-12.56
15780.00	Average	26.22	21.82	48.04	54.00	-5.96
15780.00	Peak	34.58	21.82	56.40	74.00	-17.60

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-28
Test Frequency	:5260 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



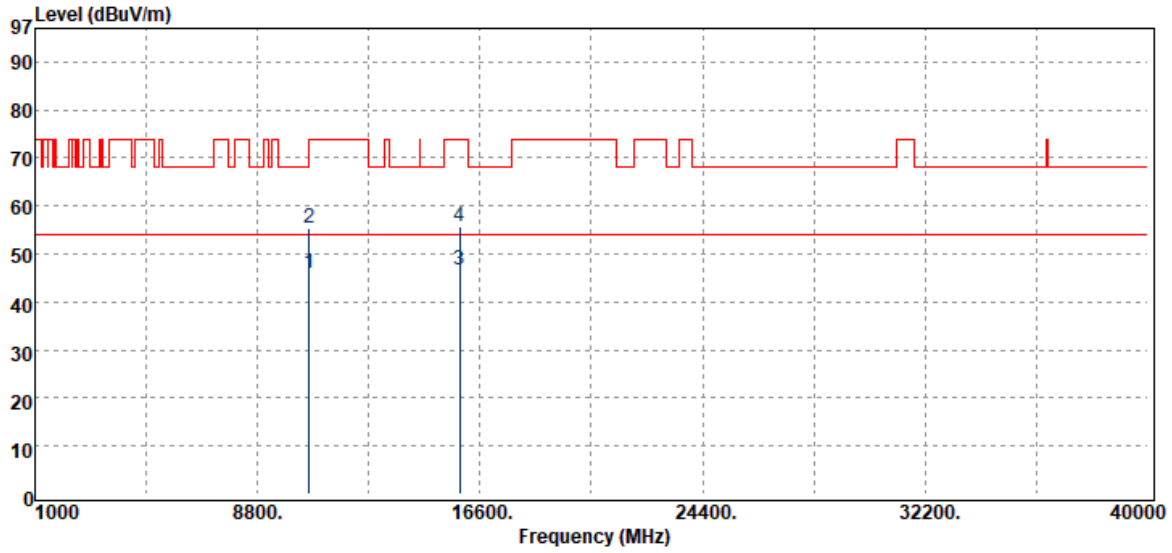
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10520.00	Peak	36.24	20.37	56.61	68.20	-11.59
15780.00	Average	26.01	21.82	47.83	54.00	-6.17
15780.00	Peak	35.54	21.82	57.36	74.00	-16.64

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-28
Test Frequency	:5300 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



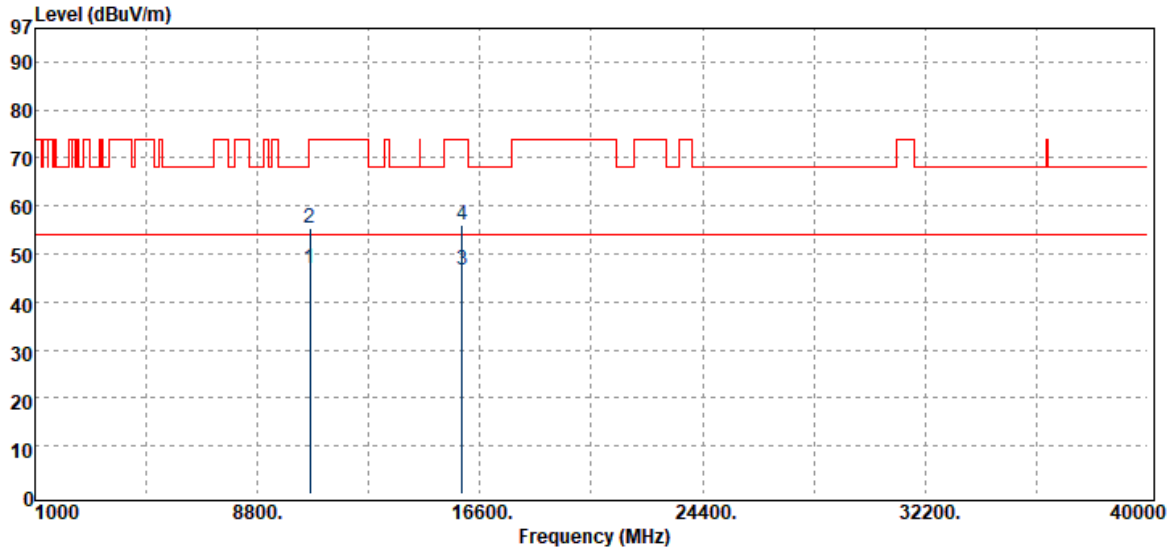
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10600.00	Average	26.67	19.99	46.66	54.00	-7.34
10600.00	Peak	35.33	19.99	55.32	74.00	-18.68
15900.00	Average	25.87	20.91	46.78	54.00	-7.22
15900.00	Peak	35.57	20.91	56.48	74.00	-17.52

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-28
Test Frequency	:5300 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Mid	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



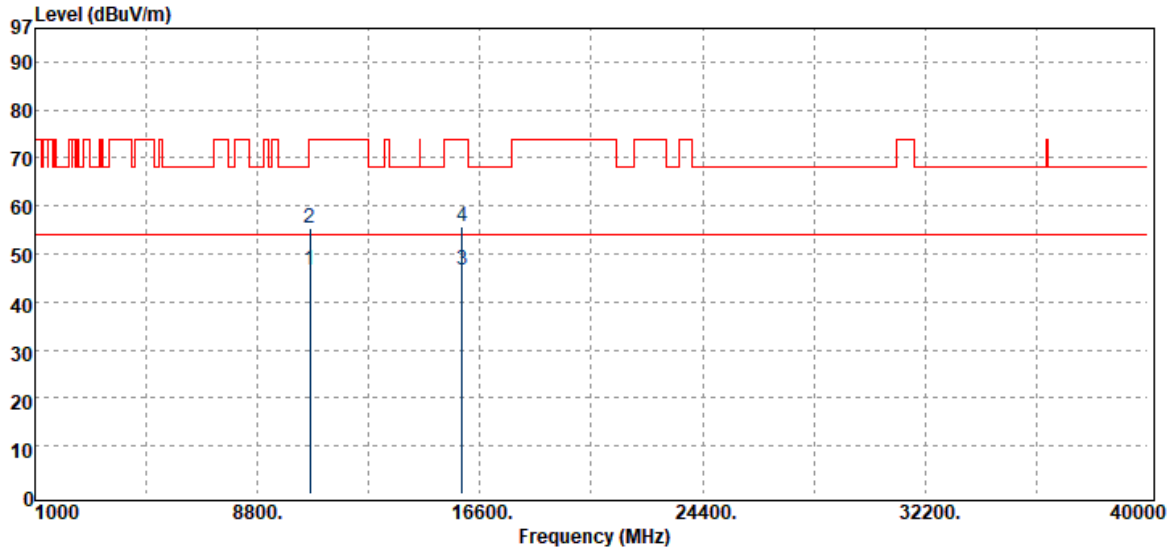
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10600.00	Average	26.15	19.99	46.14	54.00	-7.86
10600.00	Peak	35.25	19.99	55.24	74.00	-18.76
15900.00	Average	25.87	20.91	46.78	54.00	-7.22
15900.00	Peak	34.70	20.91	55.61	74.00	-18.39

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-28
Test Frequency	:5320 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



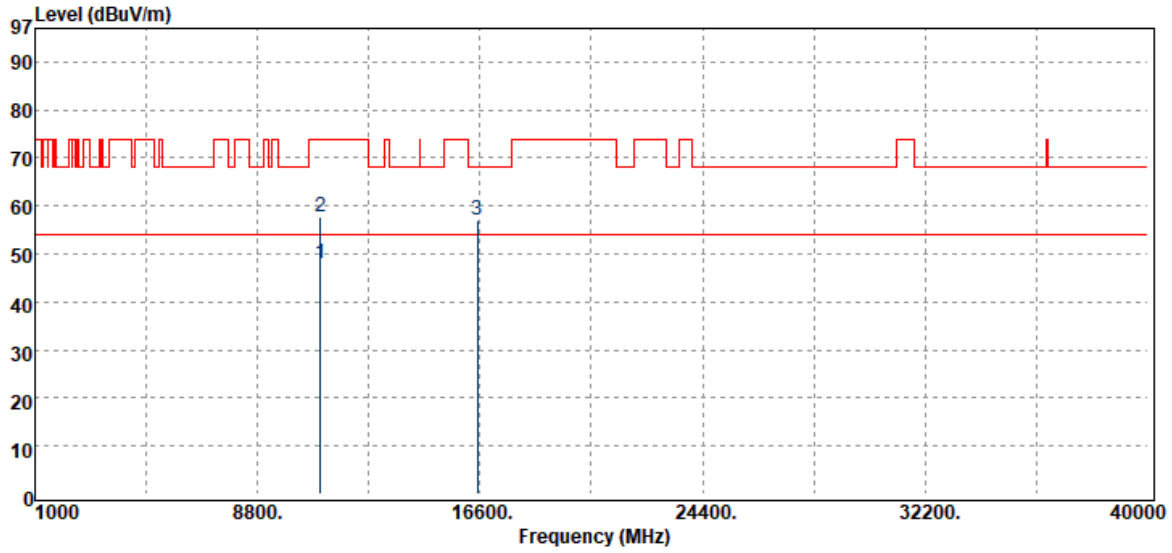
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10640.00	Average	26.68	20.17	46.85	54.00	-7.15
10640.00	Peak	35.35	20.17	55.52	74.00	-18.48
15960.00	Average	25.85	20.76	46.61	54.00	-7.39
15960.00	Peak	35.27	20.76	56.03	74.00	-17.97

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-28
Test Frequency	:5320 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



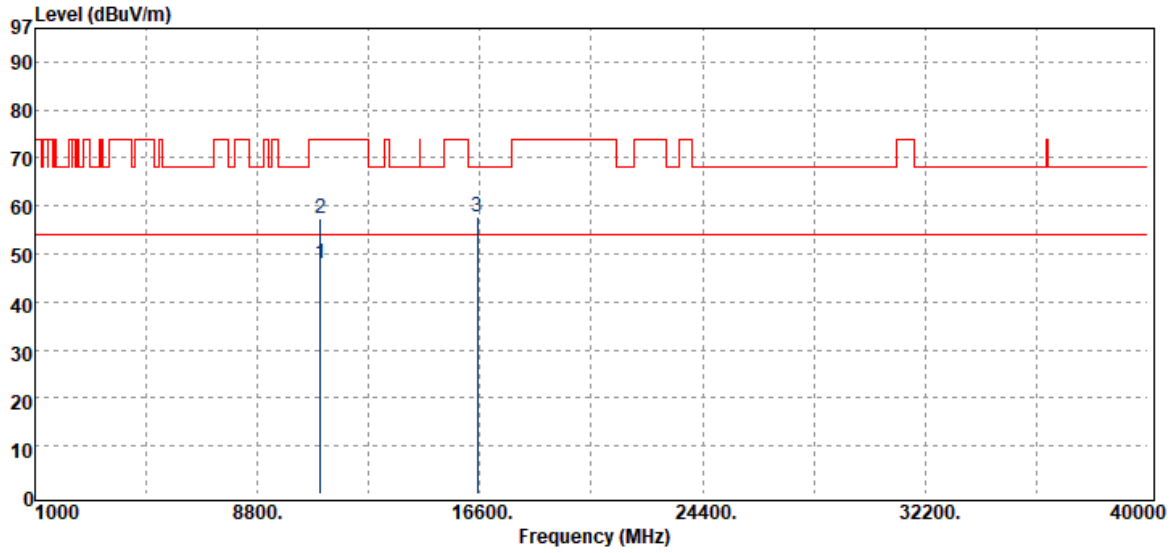
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10640.00	Average	26.39	20.17	46.56	54.00	-7.44
10640.00	Peak	35.14	20.17	55.31	74.00	-18.69
15960.00	Average	25.76	20.76	46.52	54.00	-7.48
15960.00	Peak	35.07	20.76	55.83	74.00	-18.17

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-28
Test Frequency	:5500 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



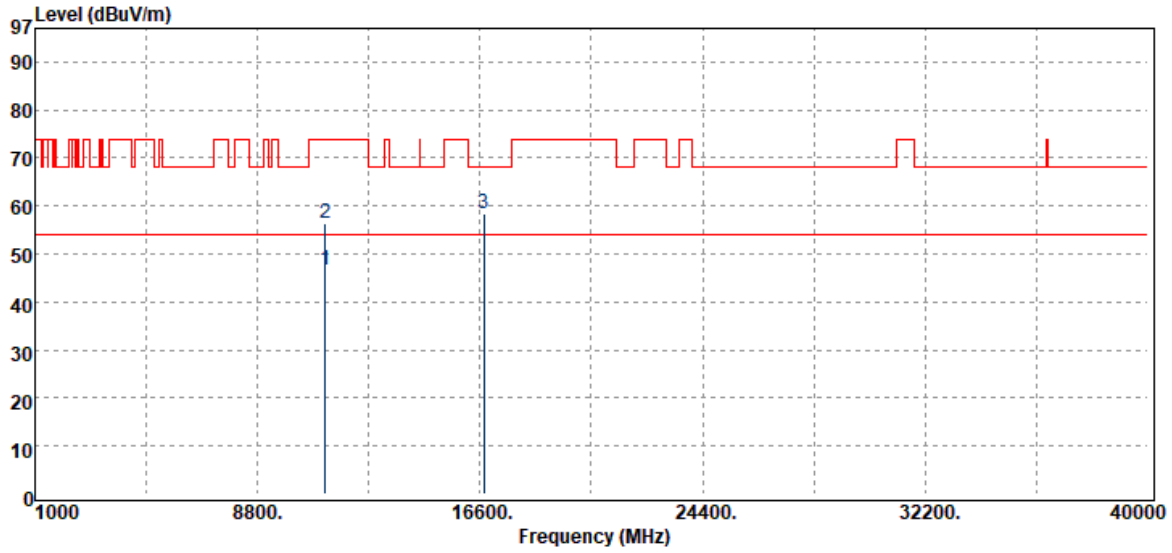
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11000.00	Average	25.99	22.16	48.15	54.00	-5.85
11000.00	Peak	35.48	22.16	57.64	74.00	-16.36
16500.00	Peak	34.03	23.06	57.09	68.20	-11.11

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-28
Test Frequency	:5500 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



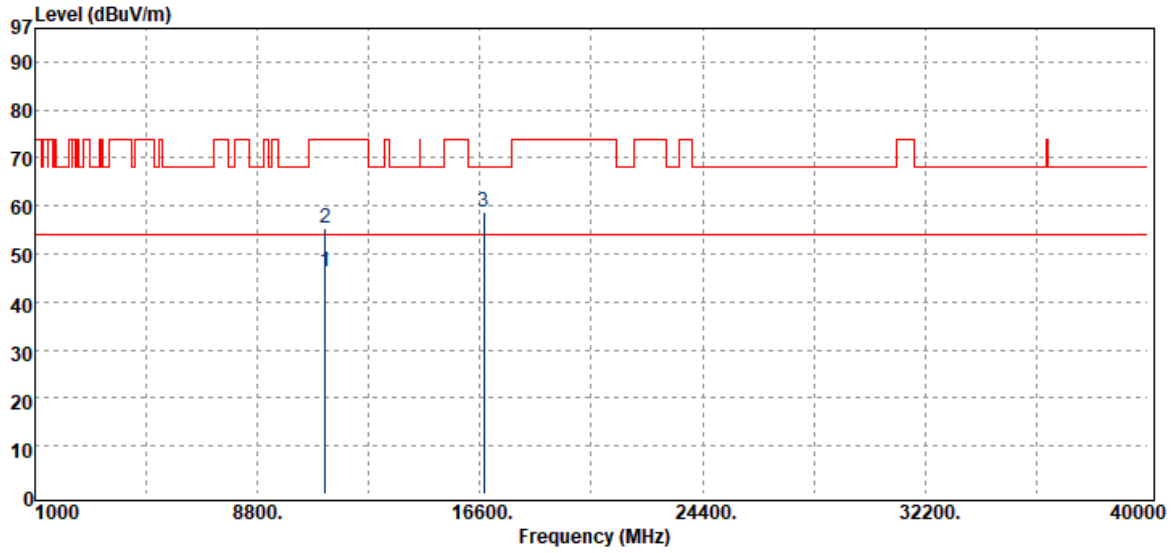
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11000.00	Average	25.76	22.16	47.92	54.00	-6.08
11000.00	Peak	35.07	22.16	57.23	74.00	-16.77
16500.00	Peak	34.77	23.06	57.83	68.20	-10.37

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-28
Test Frequency	:5580 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



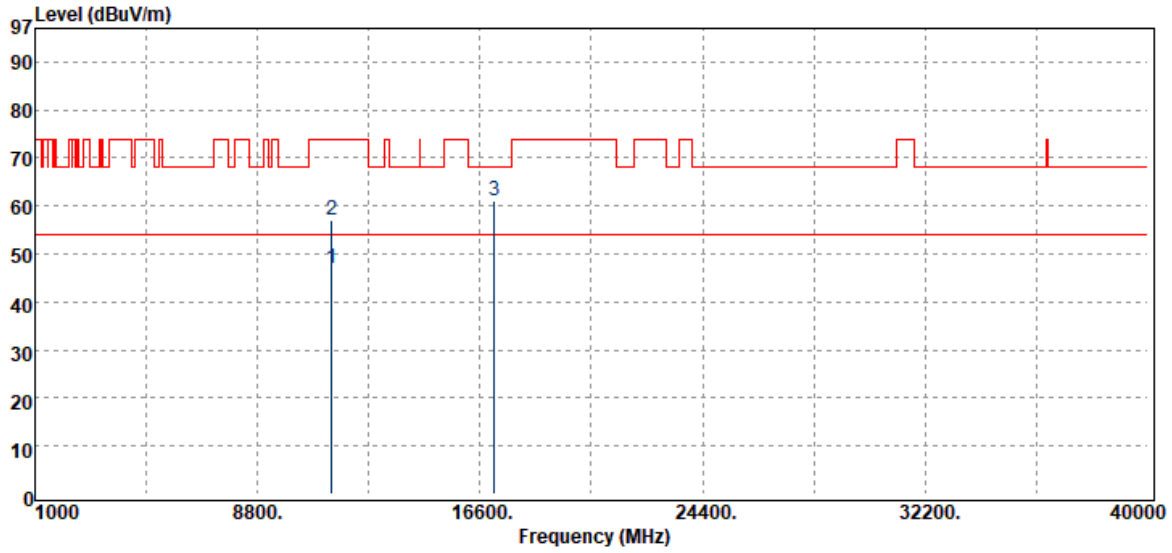
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11160.00	Average	25.67	20.88	46.55	54.00	-7.45
11160.00	Peak	35.42	20.88	56.30	74.00	-17.70
16740.00	Peak	33.72	24.65	58.37	68.20	-9.83

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-28
Test Frequency	:5580 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Mid	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



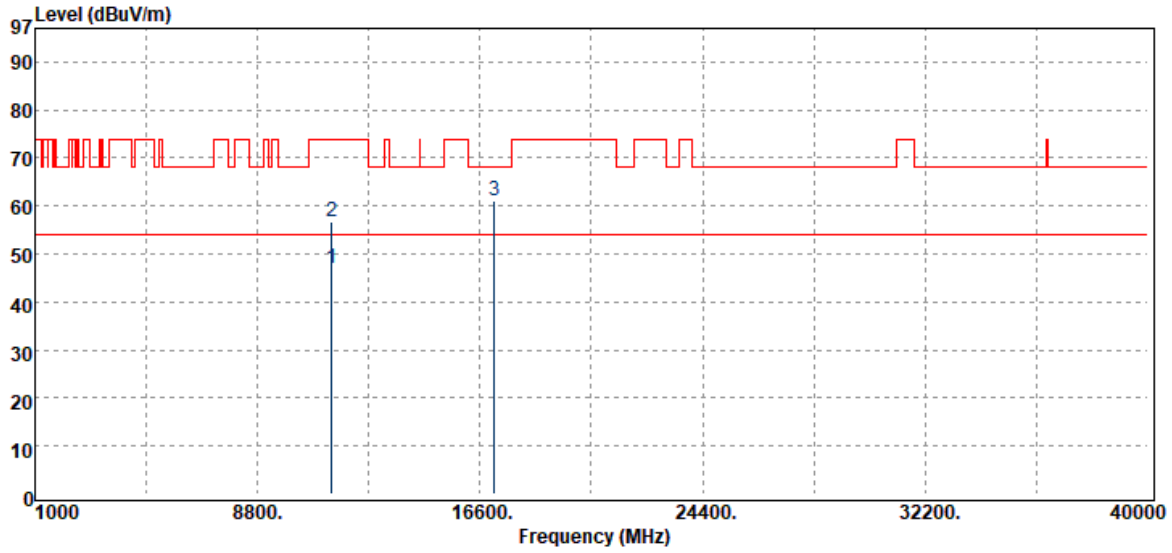
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11160.00	Average	25.43	20.88	46.31	54.00	-7.69
11160.00	Peak	34.41	20.88	55.29	74.00	-18.71
16740.00	Peak	34.04	24.65	58.69	68.20	-9.51

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-28
Test Frequency	:5700 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



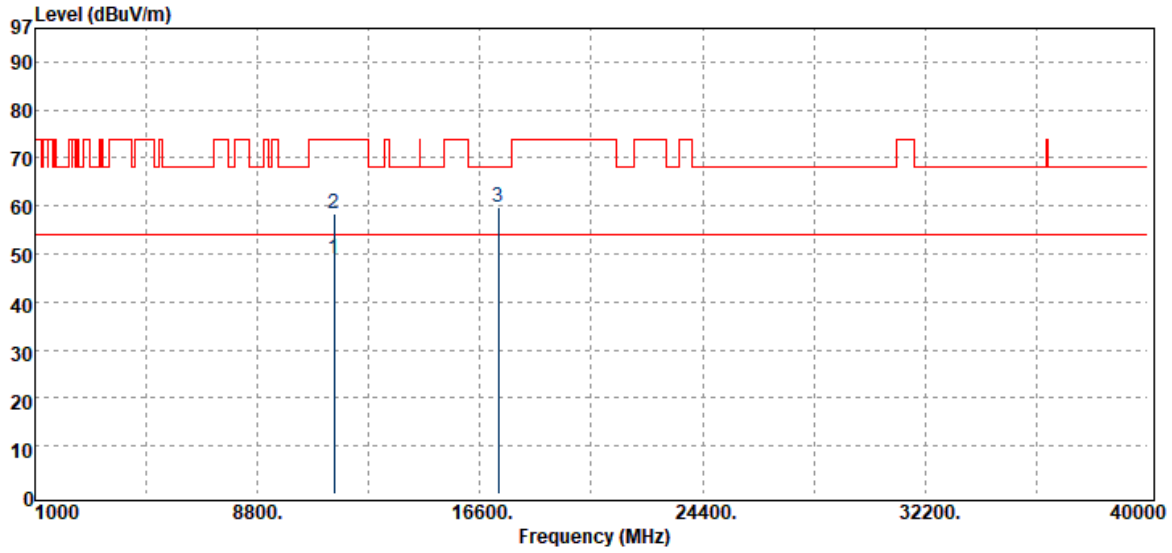
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11400.00	Average	25.26	21.74	47.00	54.00	-7.00
11400.00	Peak	35.33	21.74	57.07	74.00	-16.93
17100.00	Peak	34.66	26.32	60.98	68.20	-7.22

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-28
Test Frequency	:5700 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



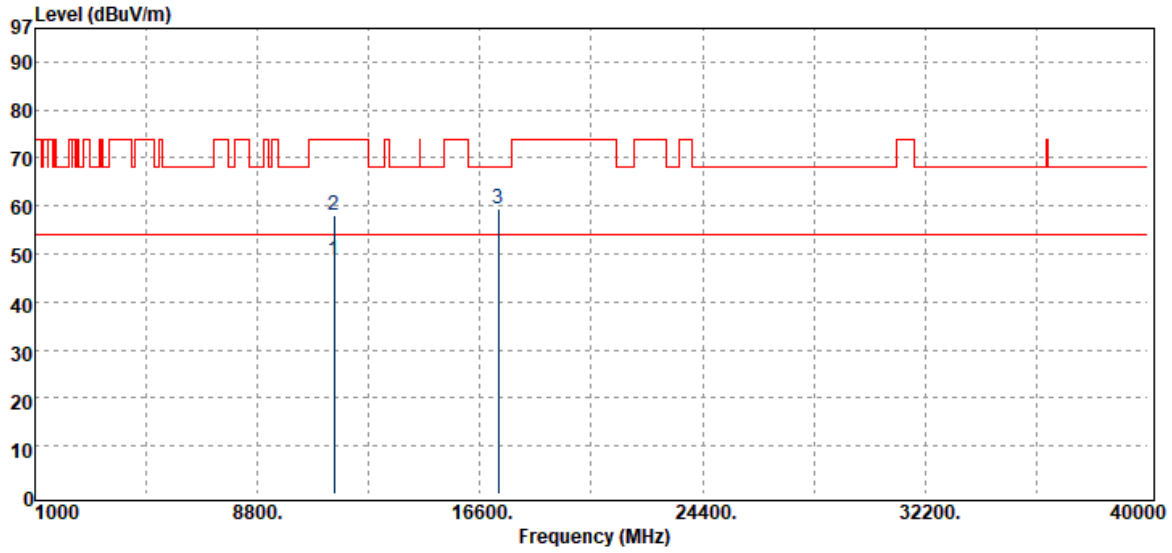
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11400.00	Average	25.39	21.74	47.13	54.00	-6.87
11400.00	Peak	34.87	21.74	56.61	74.00	-17.39
17100.00	Peak	34.63	26.32	60.95	68.20	-7.25

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-28
Test Frequency	:5745 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



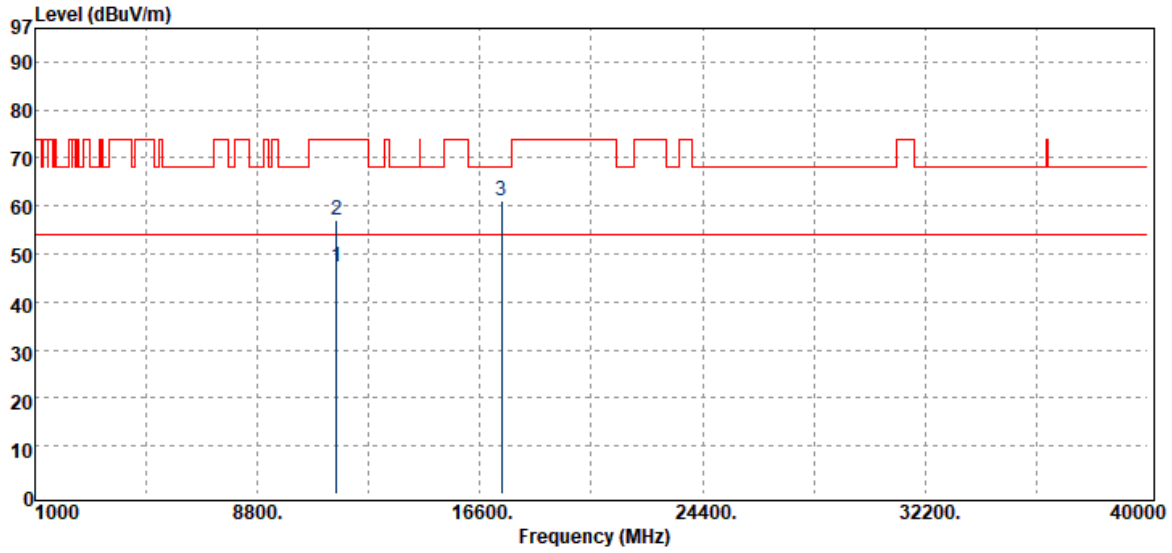
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11490.00	Average	25.98	23.08	49.06	54.00	-4.94
11490.00	Peak	35.16	23.08	58.24	74.00	-15.76
17235.00	Peak	34.19	25.62	59.81	68.20	-8.39

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-28
Test Frequency	:5745 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



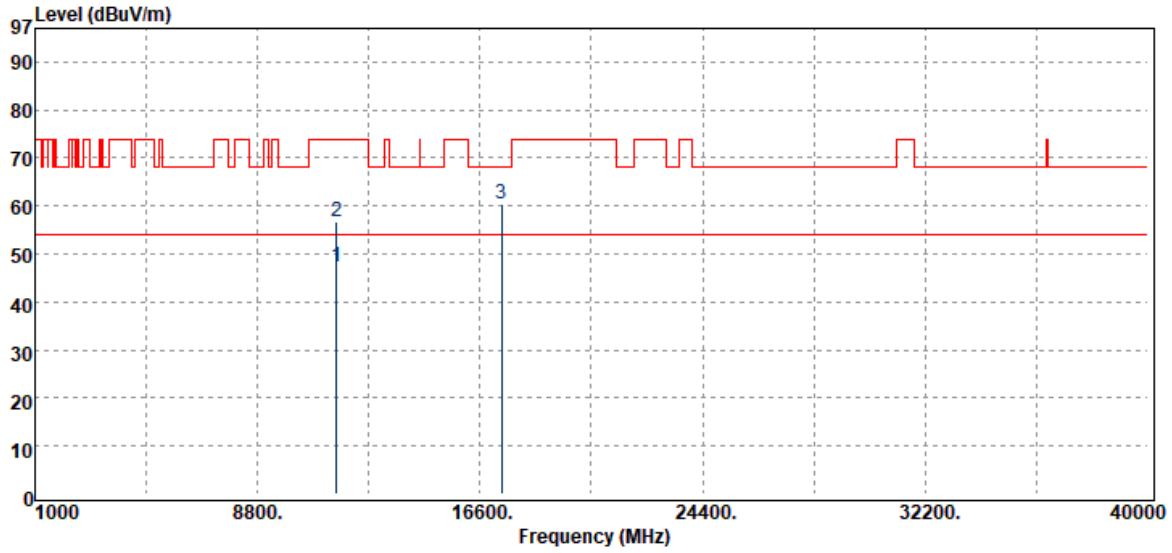
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11490.00	Average	25.69	23.08	48.77	54.00	-5.23
11490.00	Peak	35.05	23.08	58.13	74.00	-15.87
17235.00	Peak	33.73	25.62	59.35	68.20	-8.85

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-28
Test Frequency	:5785 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



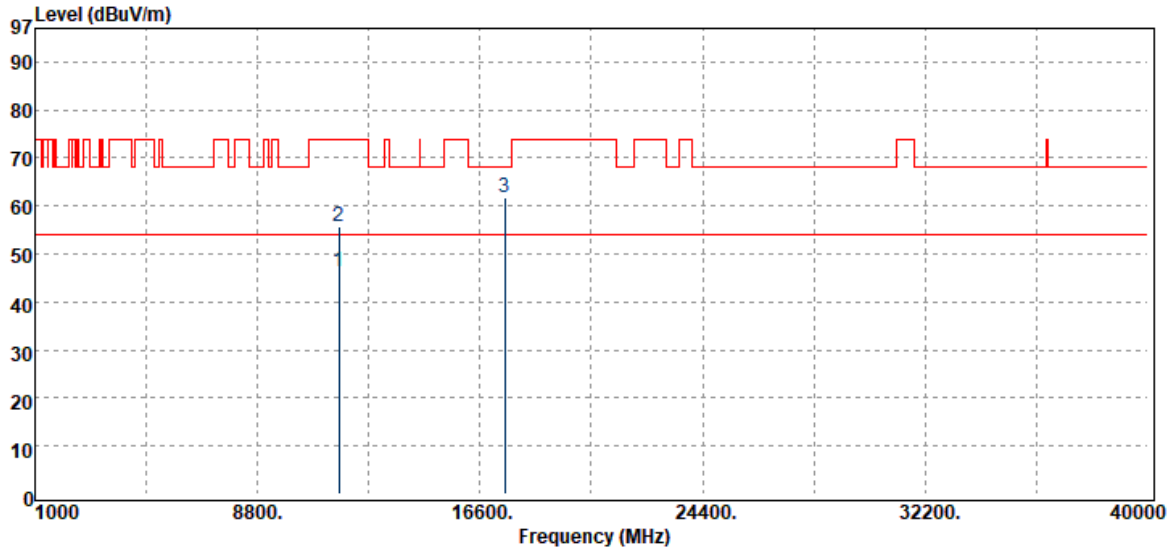
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11570.00	Average	25.73	21.43	47.16	54.00	-6.84
11570.00	Peak	35.75	21.43	57.18	74.00	-16.82
17355.00	Peak	34.25	26.68	60.93	68.20	-7.27

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-28
Test Frequency	:5785 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Mid	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



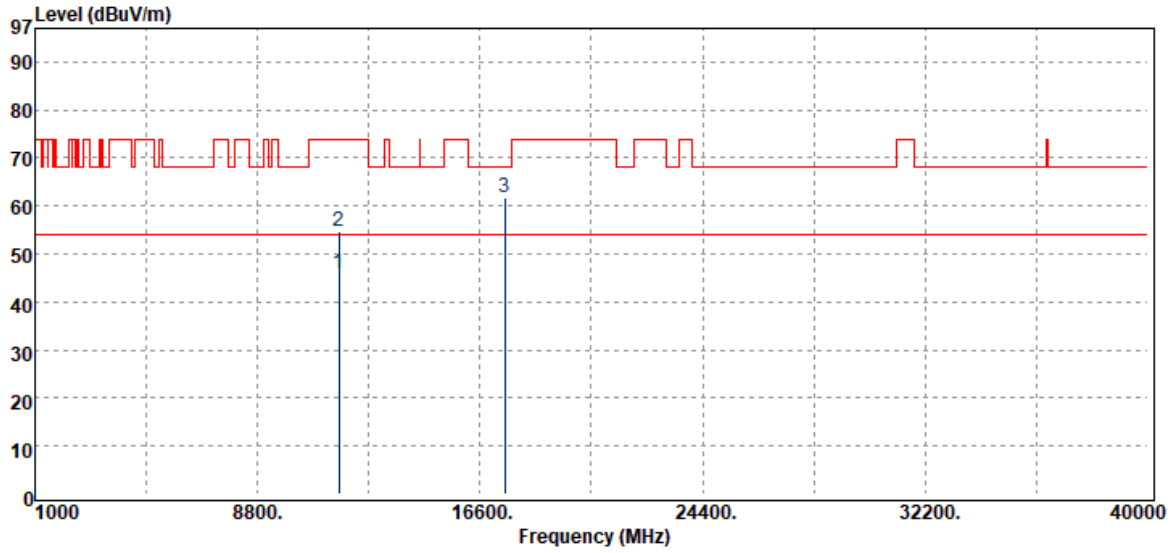
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11570.00	Average	25.81	21.43	47.24	54.00	-6.76
11570.00	Peak	35.22	21.43	56.65	74.00	-17.35
17355.00	Peak	33.87	26.68	60.55	68.20	-7.65

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-28
Test Frequency	:5825 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



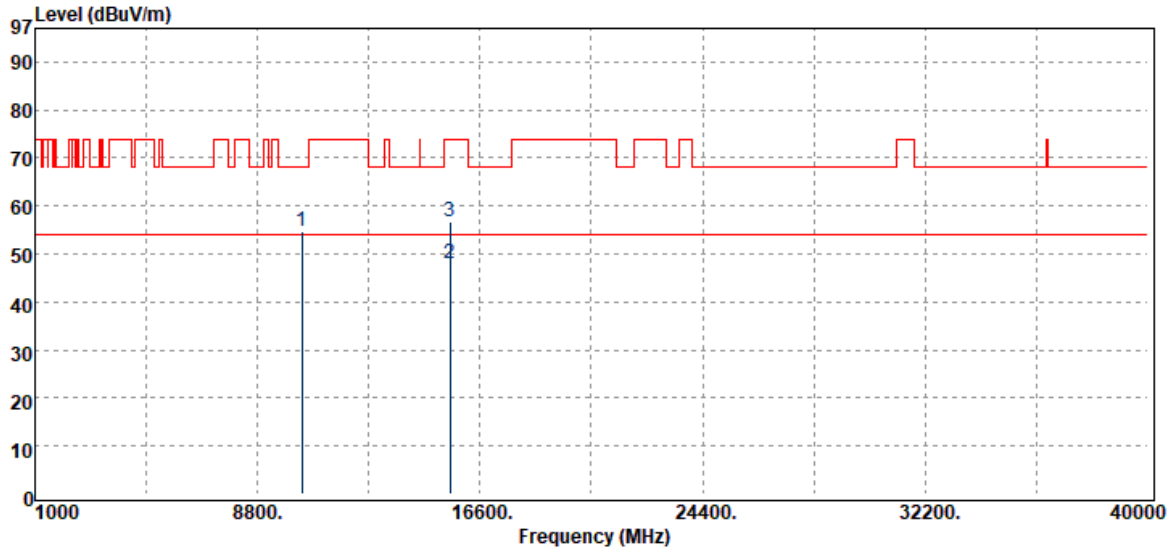
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11650.00	Average	25.56	20.72	46.28	54.00	-7.72
11650.00	Peak	34.83	20.72	55.55	74.00	-18.45
17475.00	Peak	33.96	27.90	61.86	68.20	-6.34

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-28
Test Frequency	:5825 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



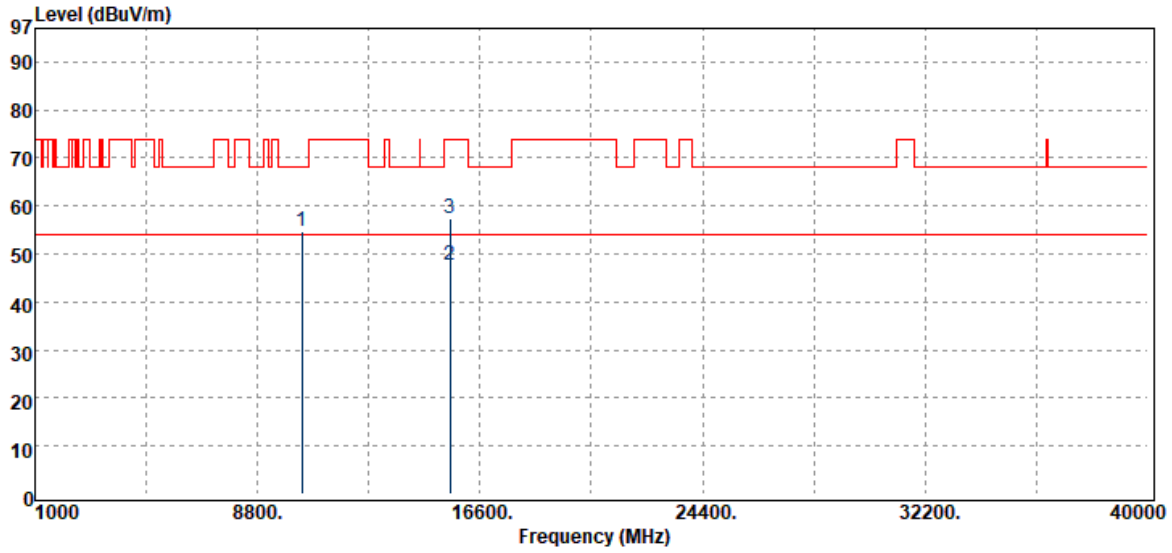
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11650.00	Average	25.30	20.72	46.02	54.00	-7.98
11650.00	Peak	33.99	20.72	54.71	74.00	-19.29
17475.00	Peak	33.96	27.90	61.86	68.20	-6.34

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-28
Test Frequency	:5180 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



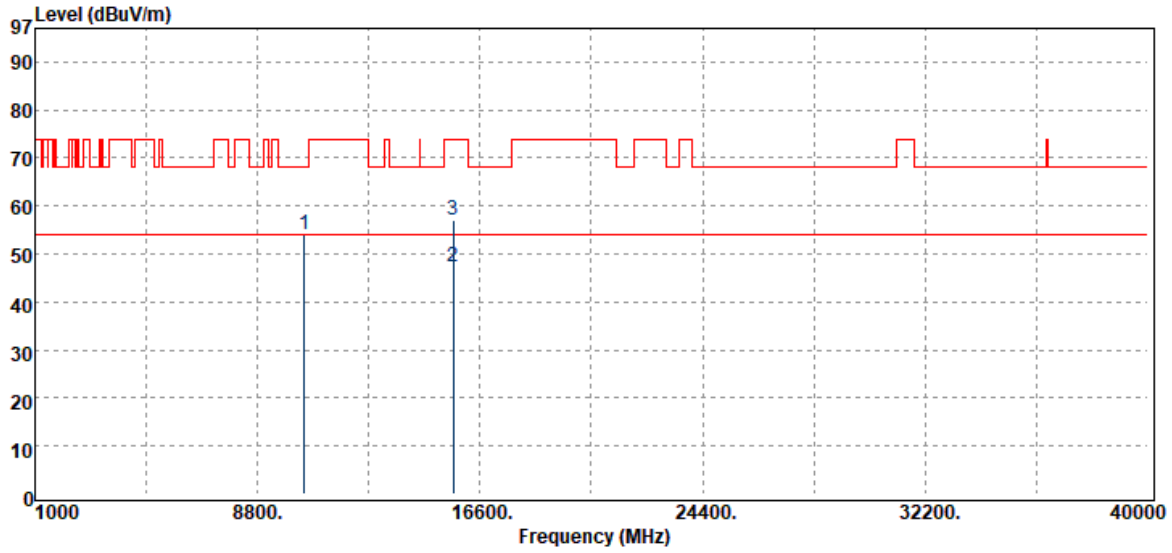
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10360.00	Peak	35.25	19.56	54.81	68.20	-13.39
15540.00	Average	25.41	22.43	47.84	54.00	-6.16
15540.00	Peak	34.39	22.43	56.82	74.00	-17.18

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-28
Test Frequency	:5180 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



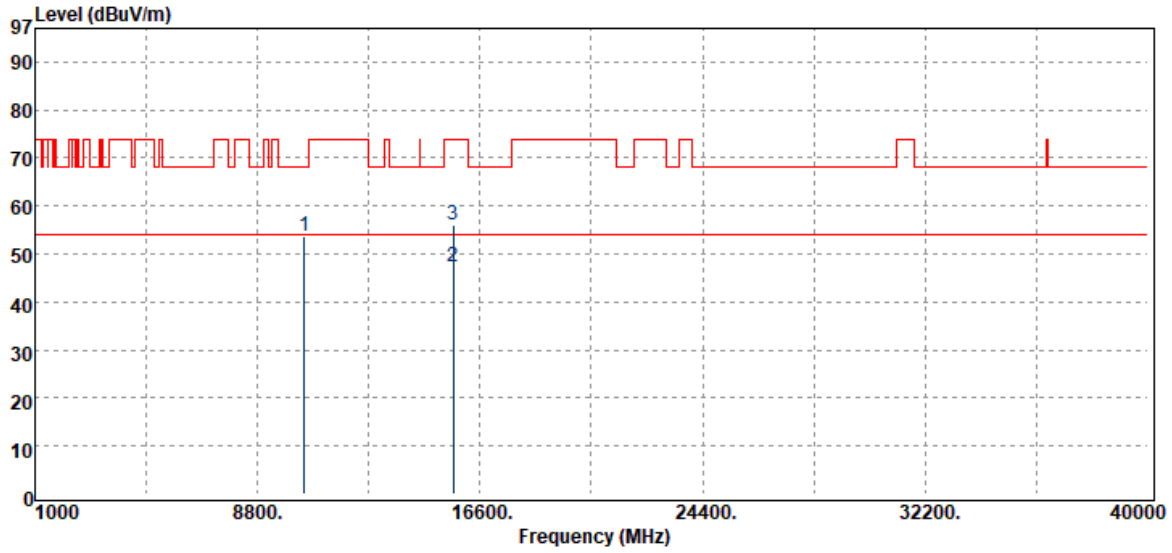
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10360.00	Peak	35.08	19.56	54.64	68.20	-13.56
15540.00	Average	25.30	22.43	47.73	54.00	-6.27
15540.00	Peak	35.03	22.43	57.46	74.00	-16.54

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-28
Test Frequency	:5220 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



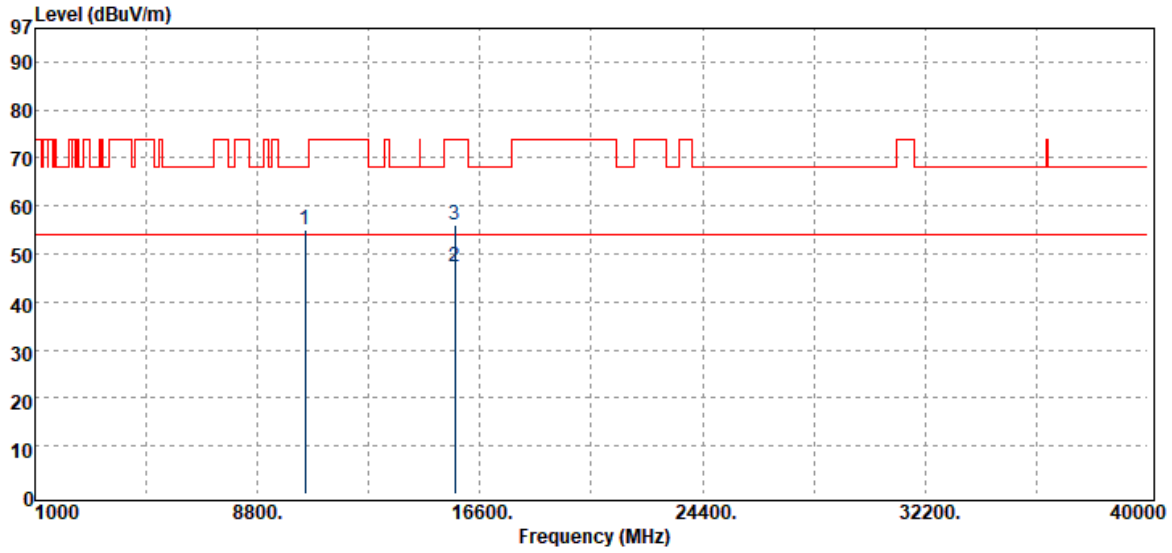
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10440.00	Peak	34.89	19.12	54.01	68.20	-14.19
15660.00	Average	25.52	21.78	47.30	54.00	-6.70
15660.00	Peak	35.41	21.78	57.19	74.00	-16.81

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-28
Test Frequency	:5220 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Mid	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



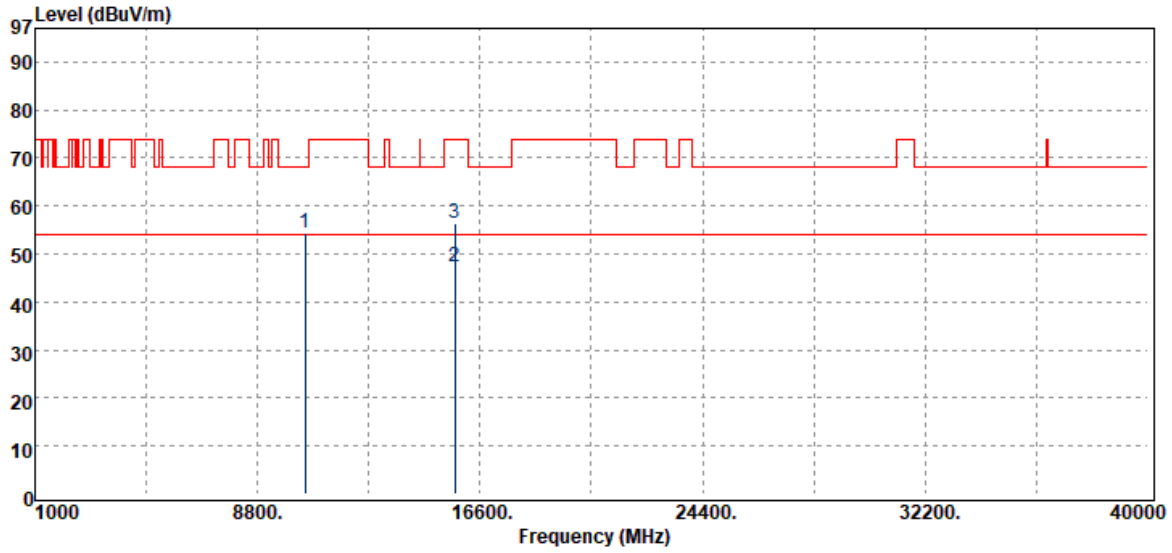
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10440.00	Peak	34.67	19.12	53.79	68.20	-14.41
15660.00	Average	25.58	21.78	47.36	54.00	-6.64
15660.00	Peak	34.28	21.78	56.06	74.00	-17.94

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-28
Test Frequency	:5240 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



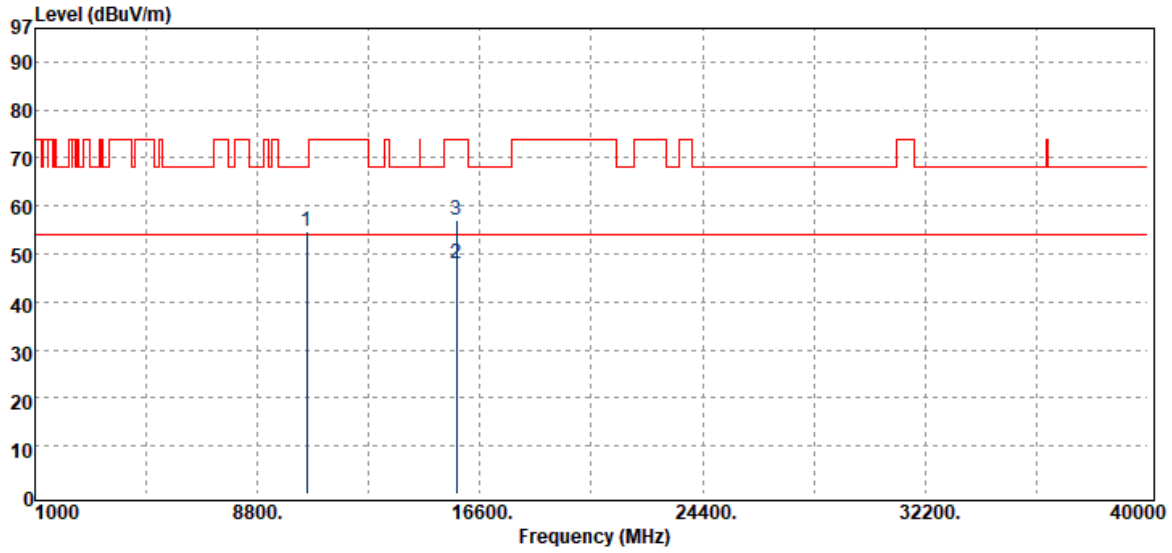
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10480.00	Peak	35.19	19.83	55.02	68.20	-13.18
15720.00	Average	25.82	21.62	47.44	54.00	-6.56
15720.00	Peak	34.57	21.62	56.19	74.00	-17.81

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-28
Test Frequency	:5240 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



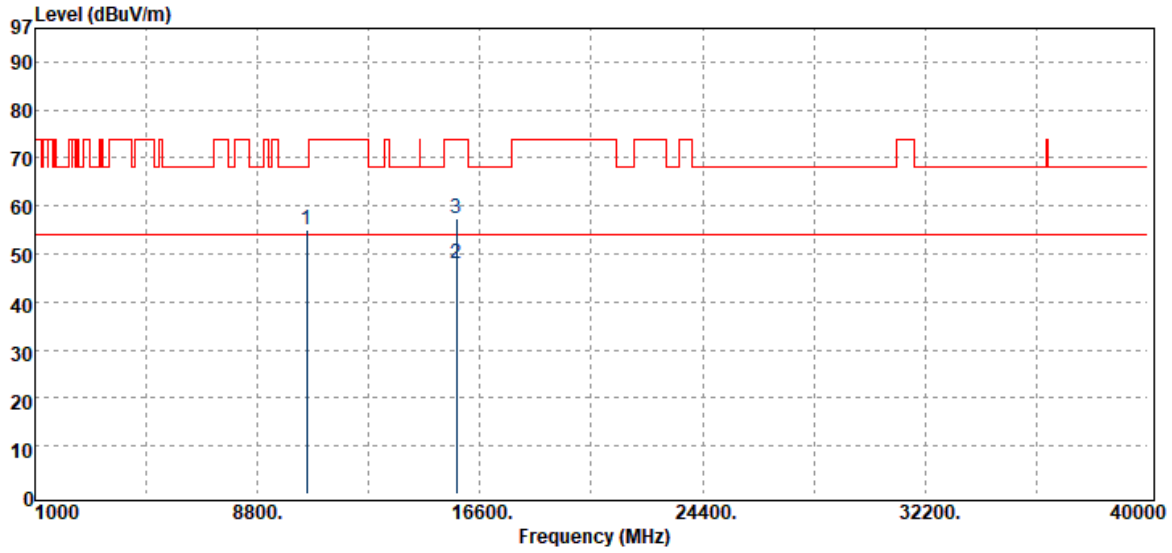
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10480.00	Peak	34.61	19.83	54.44	68.20	-13.76
15720.00	Average	25.80	21.62	47.42	54.00	-6.58
15720.00	Peak	34.81	21.62	56.43	74.00	-17.57

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-28
Test Frequency	:5260 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



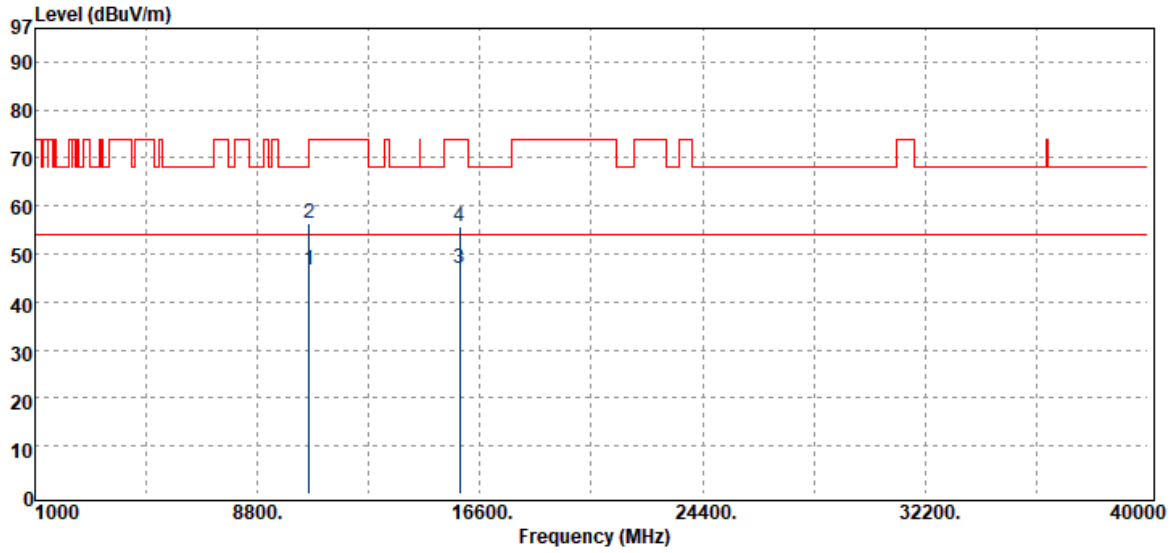
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10520.00	Peak	34.26	20.37	54.63	68.20	-13.57
15780.00	Average	26.09	21.82	47.91	54.00	-6.09
15780.00	Peak	35.23	21.82	57.05	74.00	-16.95

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-28
Test Frequency	:5260 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



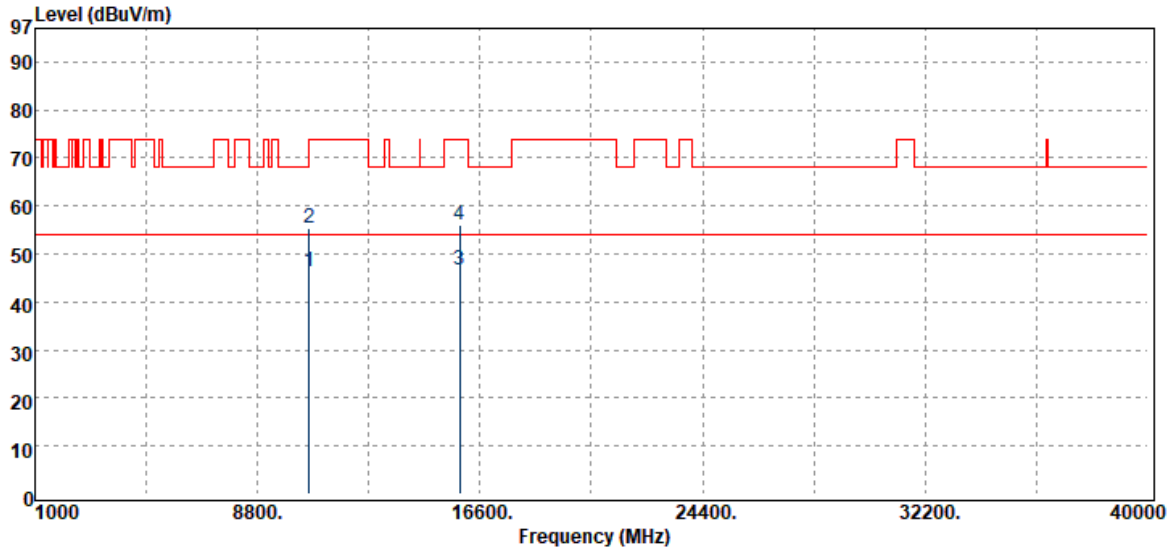
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10520.00	Peak	34.53	20.37	54.90	68.20	-13.30
15780.00	Average	26.07	21.82	47.89	54.00	-6.11
15780.00	Peak	35.57	21.82	57.39	74.00	-16.61

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-28
Test Frequency	:5300 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



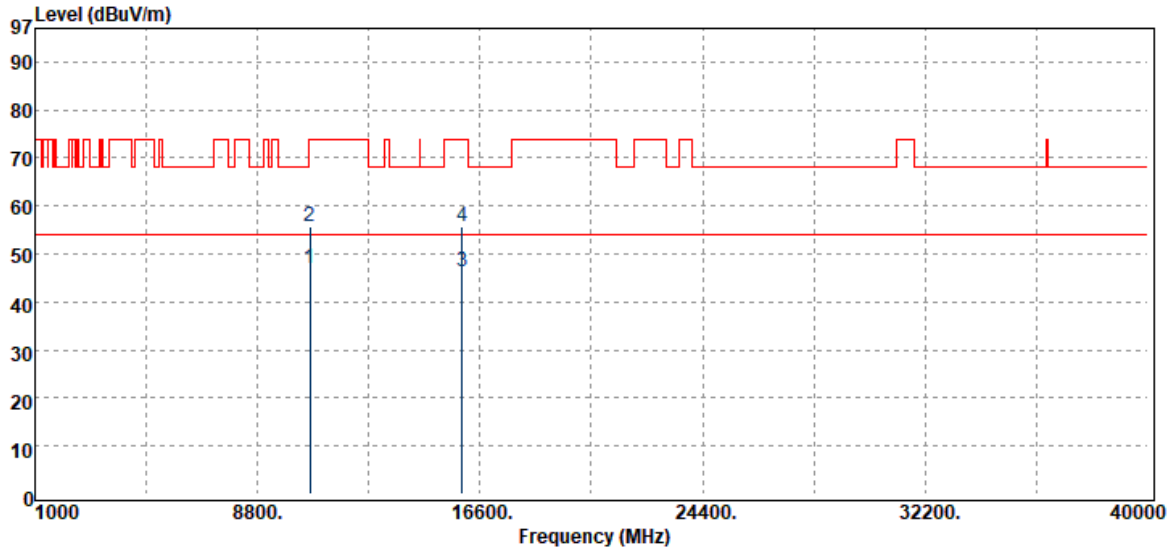
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10600.00	Average	26.57	19.99	46.56	54.00	-7.44
10600.00	Peak	36.27	19.99	56.26	74.00	-17.74
15900.00	Average	26.06	20.91	46.97	54.00	-7.03
15900.00	Peak	34.96	20.91	55.87	74.00	-18.13

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-28
Test Frequency	:5300 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Mid	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



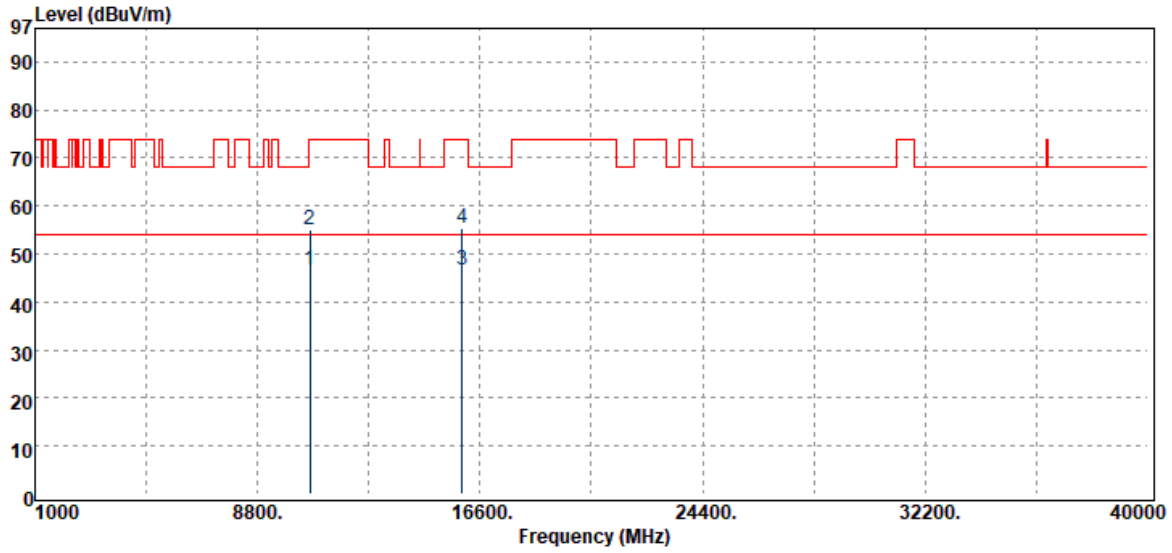
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10600.00	Average	26.17	19.99	46.16	54.00	-7.84
10600.00	Peak	35.30	19.99	55.29	74.00	-18.71
15900.00	Average	25.90	20.91	46.81	54.00	-7.19
15900.00	Peak	35.19	20.91	56.10	74.00	-17.90

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-28
Test Frequency	:5320 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



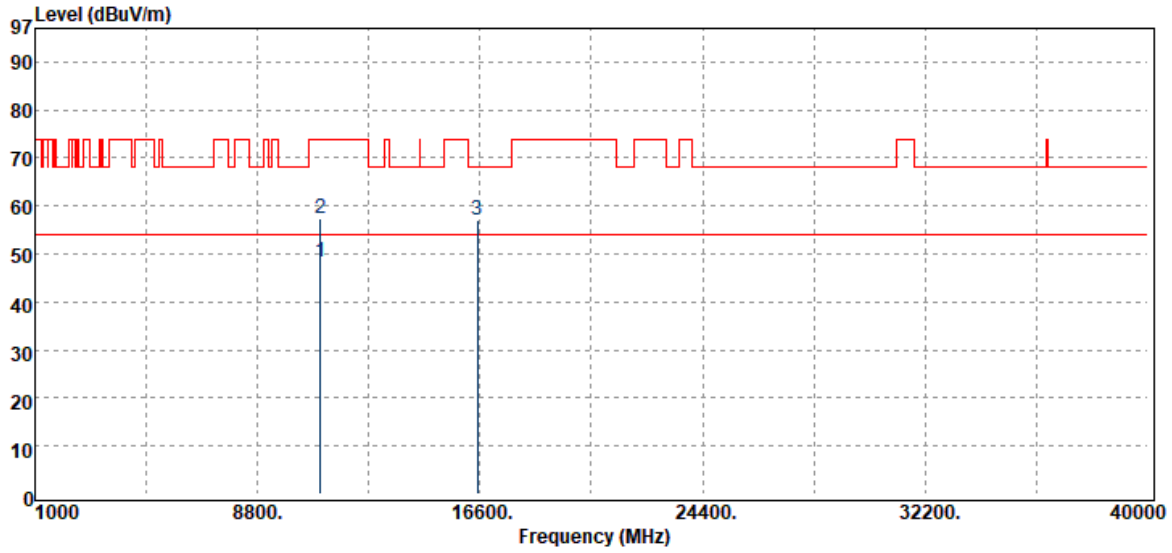
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10640.00	Average	26.67	20.17	46.84	54.00	-7.16
10640.00	Peak	35.44	20.17	55.61	74.00	-18.39
15960.00	Average	25.57	20.76	46.33	54.00	-7.67
15960.00	Peak	35.09	20.76	55.85	74.00	-18.15

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-28
Test Frequency	:5320 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



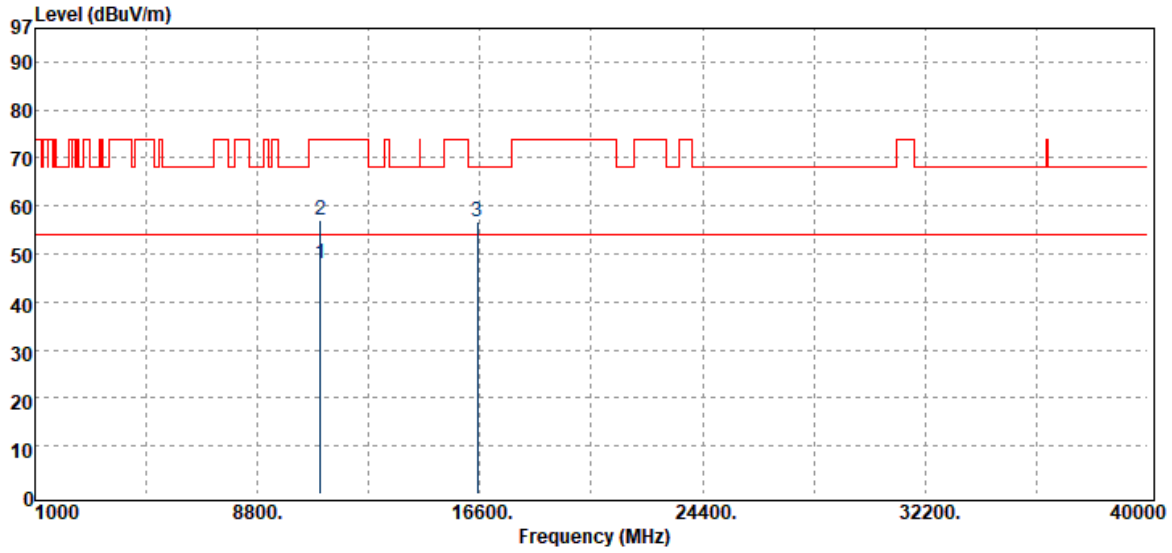
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10640.00	Average	26.47	20.17	46.64	54.00	-7.36
10640.00	Peak	34.95	20.17	55.12	74.00	-18.88
15960.00	Average	25.80	20.76	46.56	54.00	-7.44
15960.00	Peak	34.76	20.76	55.52	74.00	-18.48

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-28
Test Frequency	:5500 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



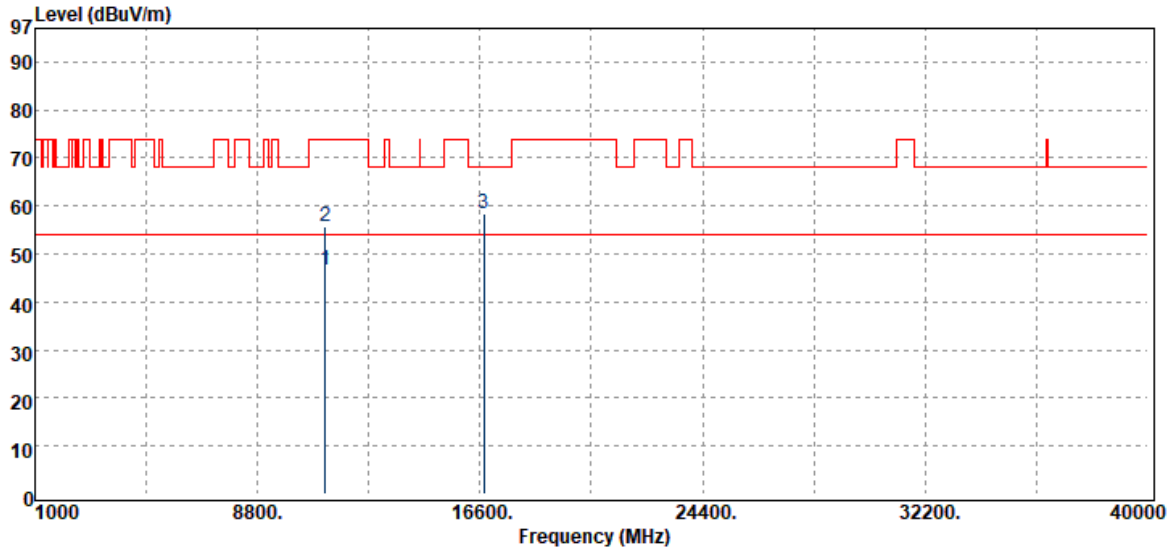
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11000.00	Average	26.03	22.16	48.19	54.00	-5.81
11000.00	Peak	35.11	22.16	57.27	74.00	-16.73
16500.00	Peak	33.88	23.06	56.94	68.20	-11.26

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-28
Test Frequency	:5500 MHz	Temp./Humi.	:28.6/68
Test Mode	:Tx CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



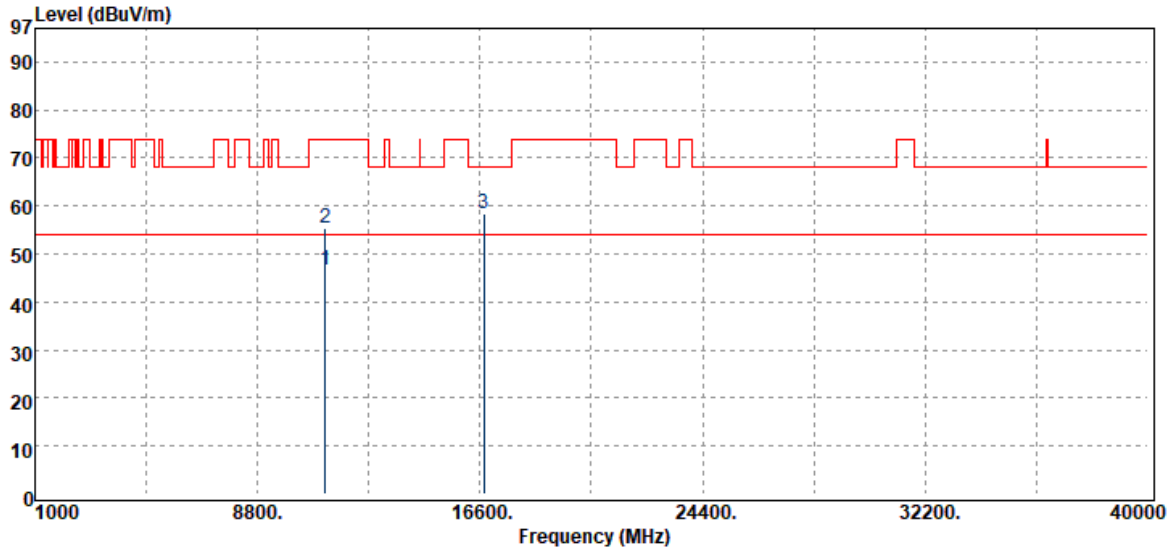
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11000.00	Average	25.92	22.16	48.08	54.00	-5.92
11000.00	Peak	34.98	22.16	57.14	74.00	-16.86
16500.00	Peak	33.67	23.06	56.73	68.20	-11.47

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-29
Test Frequency	:5580 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



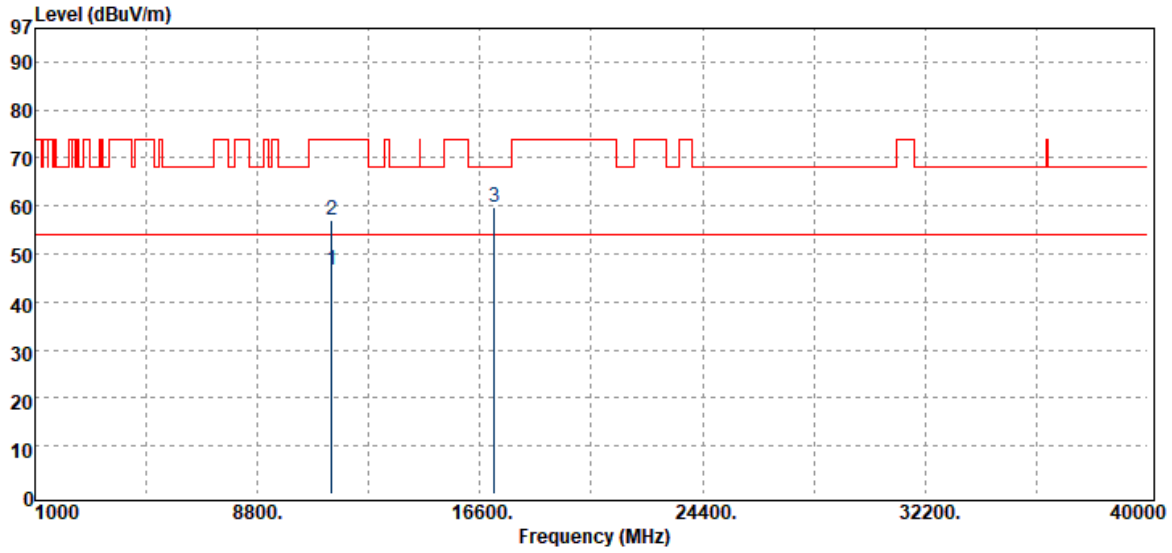
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11160.00	Average	25.71	20.88	46.59	54.00	-7.41
11160.00	Peak	34.69	20.88	55.57	74.00	-18.43
16740.00	Peak	33.89	24.65	58.54	68.20	-9.66

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-29
Test Frequency	:5580 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH Mid	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



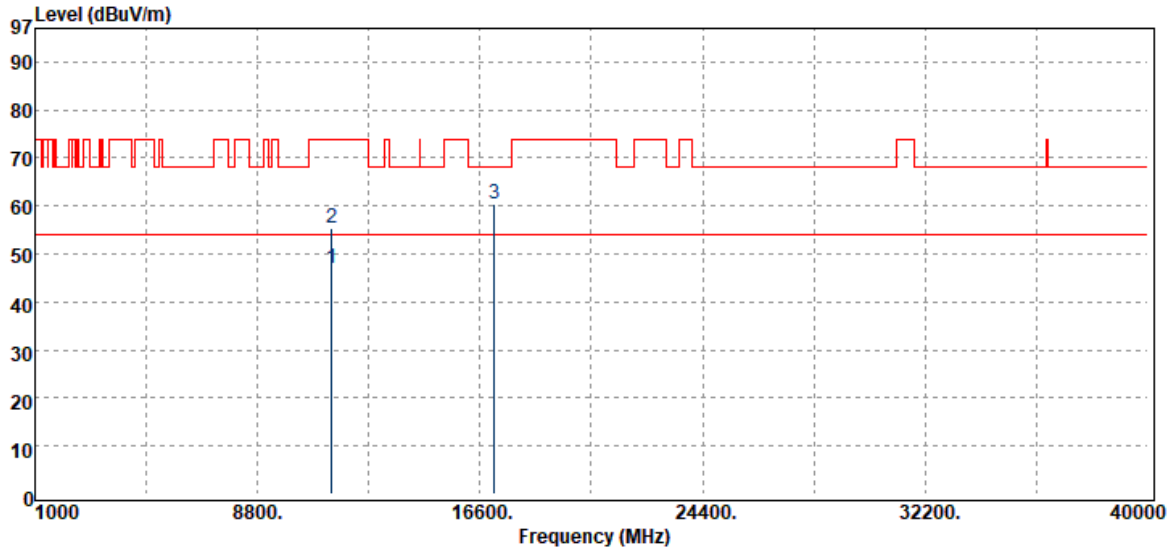
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11160.00	Average	25.70	20.88	46.58	54.00	-7.42
11160.00	Peak	34.42	20.88	55.30	74.00	-18.70
16740.00	Peak	33.76	24.65	58.41	68.20	-9.79

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-29
Test Frequency	:5700 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



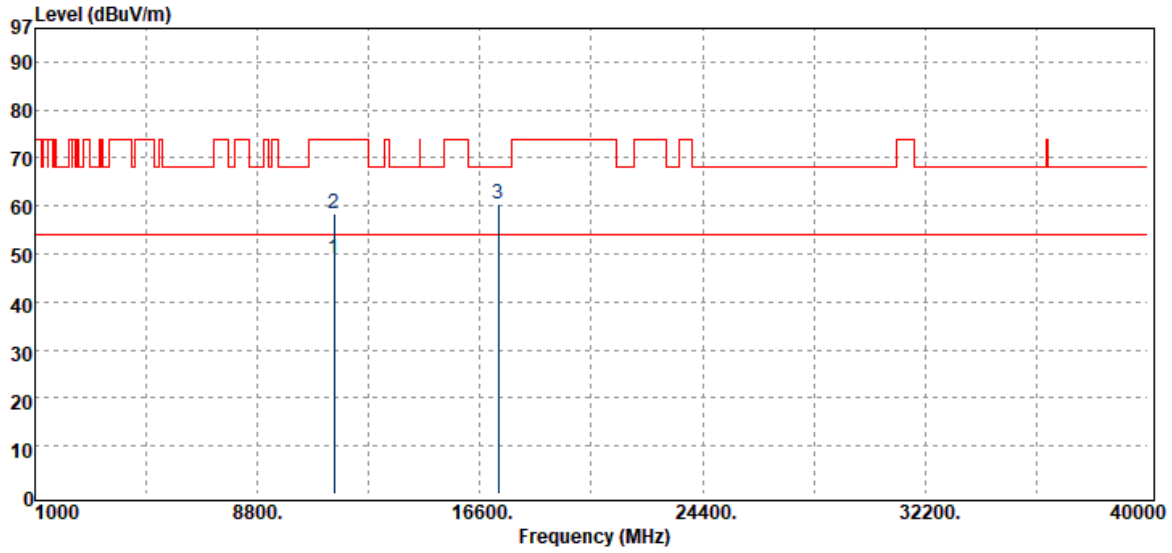
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11400.00	Average	25.04	21.74	46.78	54.00	-7.22
11400.00	Peak	35.20	21.74	56.94	74.00	-17.06
17100.00	Peak	33.56	26.32	59.88	68.20	-8.32

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-29
Test Frequency	:5700 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



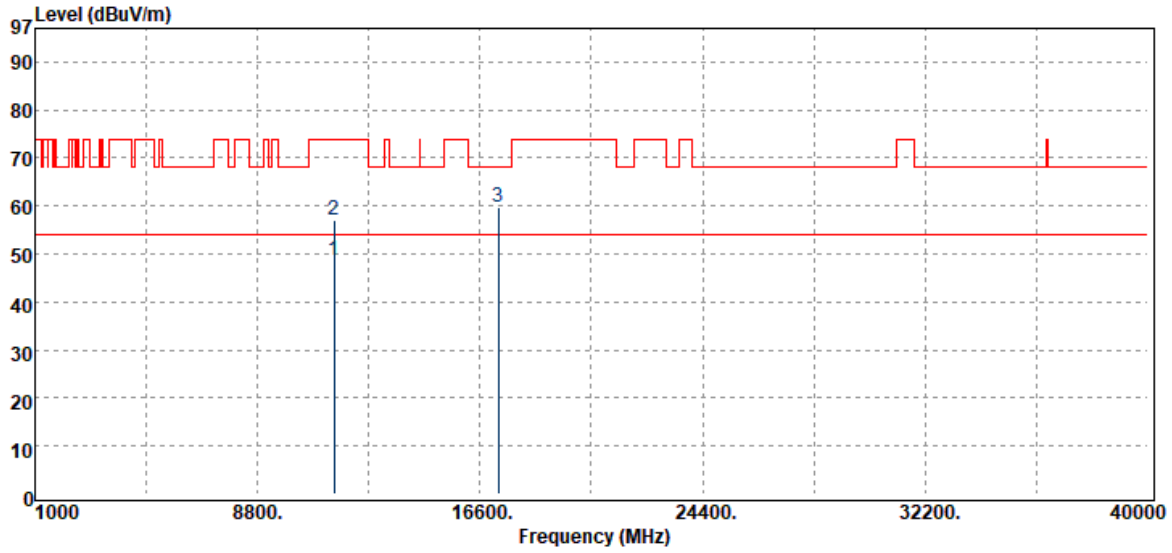
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11400.00	Average	25.10	21.74	46.84	54.00	-7.16
11400.00	Peak	33.59	21.74	55.33	74.00	-18.67
17100.00	Peak	34.12	26.32	60.44	68.20	-7.76

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-29
Test Frequency	:5745 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



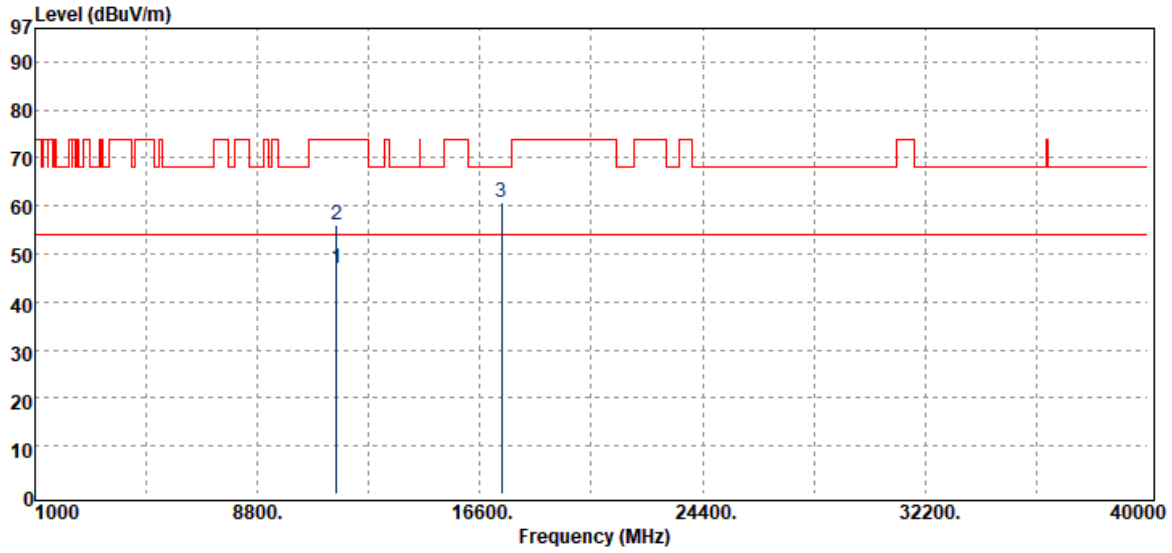
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11490.00	Average	25.92	23.08	49.00	54.00	-5.00
11490.00	Peak	35.19	23.08	58.27	74.00	-15.73
17235.00	Peak	34.66	25.62	60.28	68.20	-7.92

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-29
Test Frequency	:5745 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



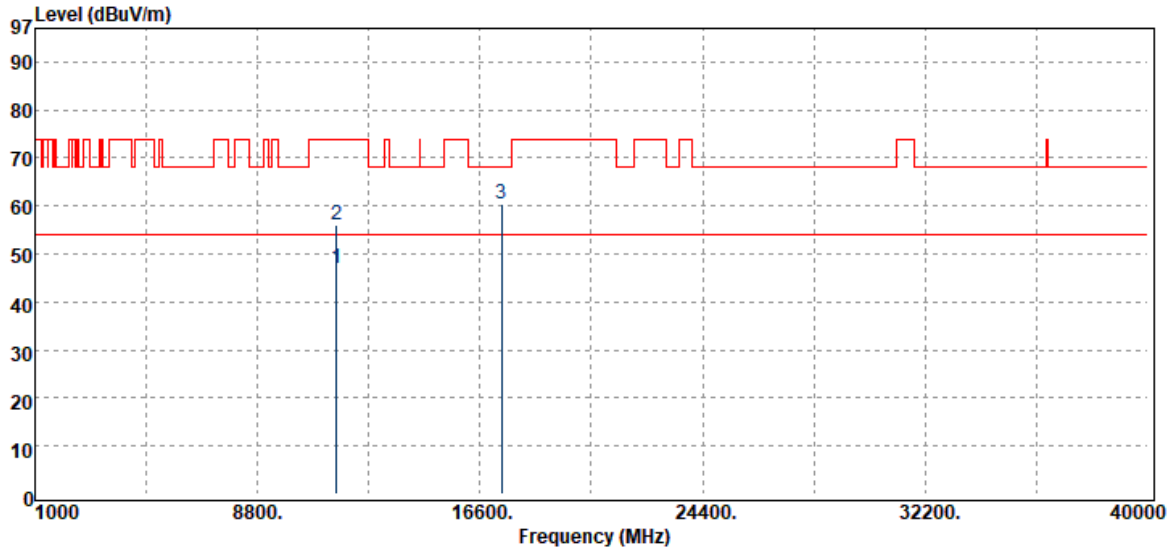
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11490.00	Average	25.69	23.08	48.77	54.00	-5.23
11490.00	Peak	33.84	23.08	56.92	74.00	-17.08
17235.00	Peak	34.07	25.62	59.69	68.20	-8.51

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-29
Test Frequency	:5785 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



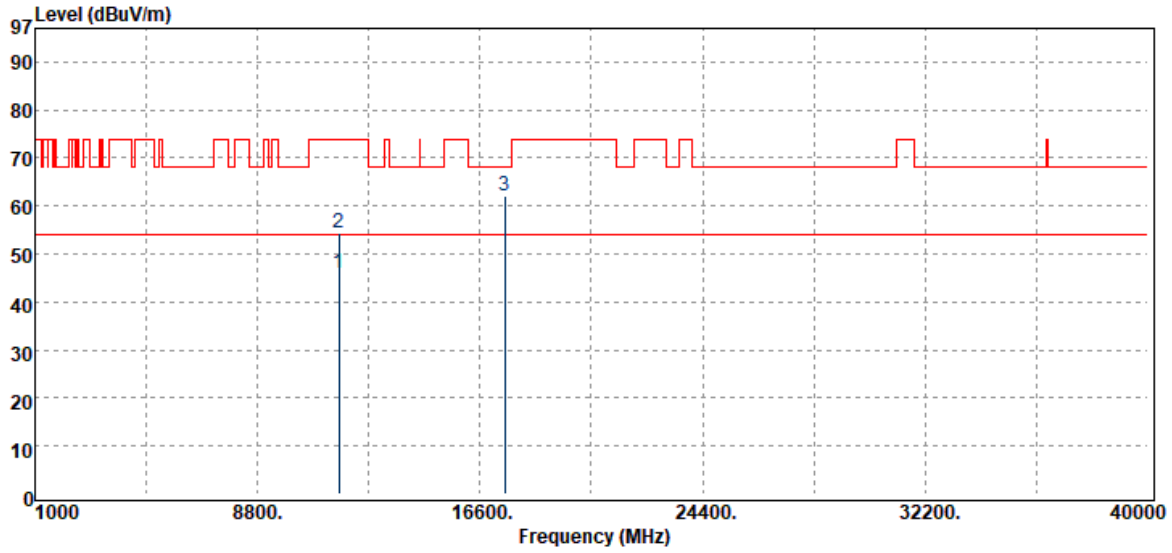
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11570.00	Average	25.64	21.43	47.07	54.00	-6.93
11570.00	Peak	34.46	21.43	55.89	74.00	-18.11
17355.00	Peak	33.99	26.68	60.67	68.20	-7.53

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-29
Test Frequency	:5785 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH Mid	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



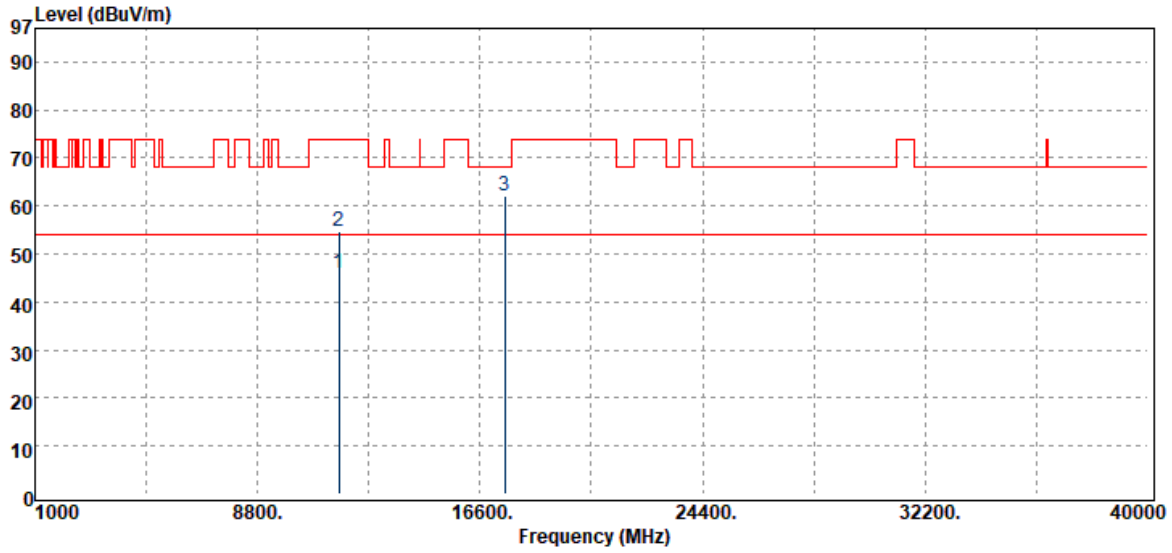
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11570.00	Average	25.47	21.43	46.90	54.00	-7.10
11570.00	Peak	34.74	21.43	56.17	74.00	-17.83
17355.00	Peak	33.86	26.68	60.54	68.20	-7.66

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-29
Test Frequency	:5825 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



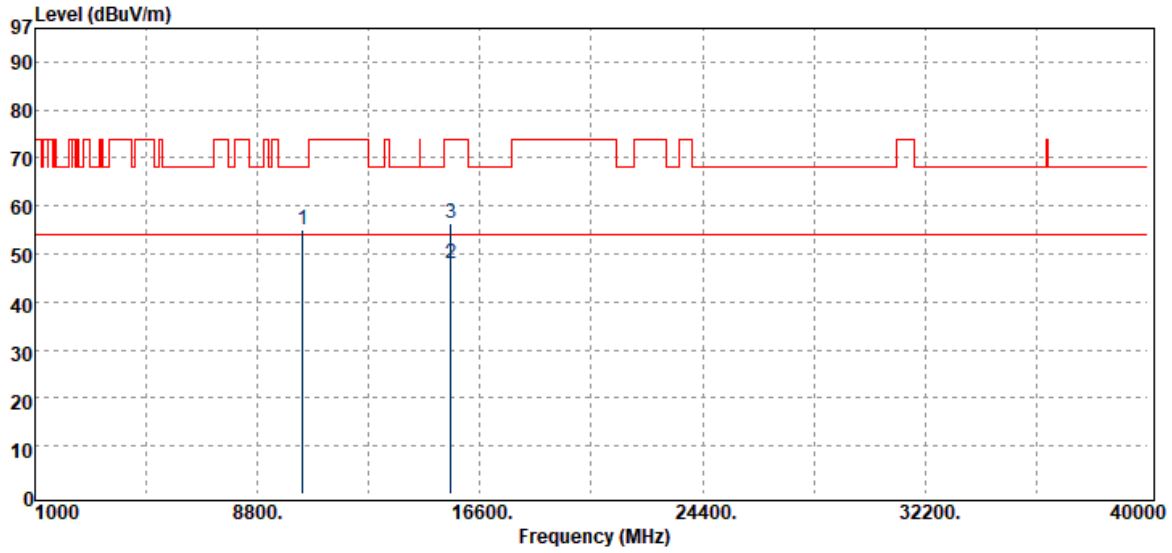
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11650.00	Average	25.12	20.72	45.84	54.00	-8.16
11650.00	Peak	33.75	20.72	54.47	74.00	-19.53
17475.00	Peak	34.08	27.90	61.98	68.20	-6.22

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-29
Test Frequency	:5825 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



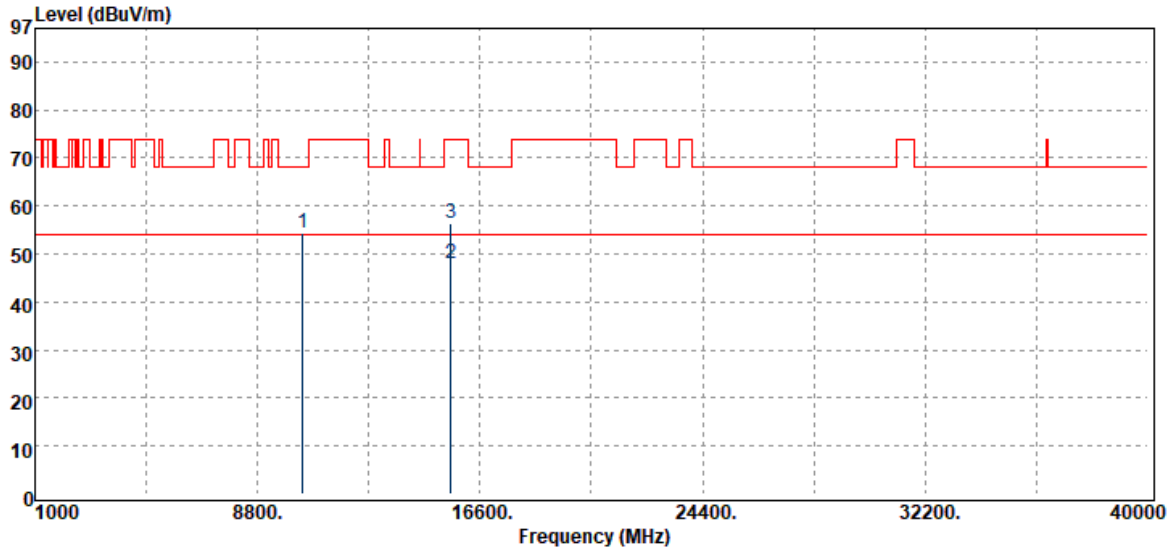
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11650.00	Average	25.21	20.72	45.93	54.00	-8.07
11650.00	Peak	33.91	20.72	54.63	74.00	-19.37
17475.00	Peak	34.10	27.90	62.00	68.20	-6.20

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-29
Test Frequency	:5190 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



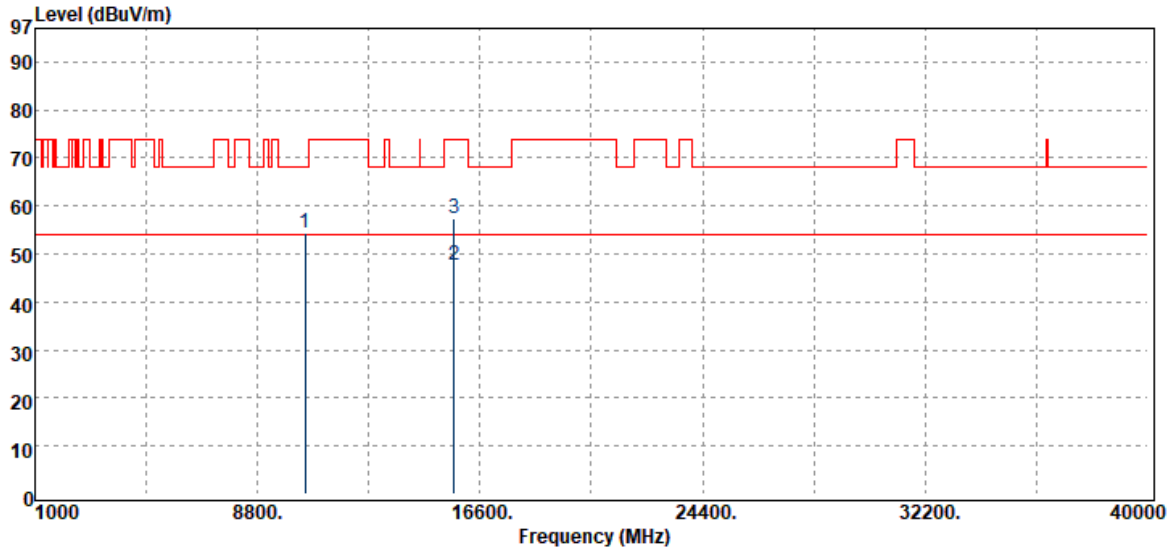
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10380.00	Peak	35.66	19.37	55.03	68.20	-13.17
15570.00	Average	25.78	22.07	47.85	54.00	-6.15
15570.00	Peak	34.43	22.07	56.50	74.00	-17.50

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-29
Test Frequency	:5190 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



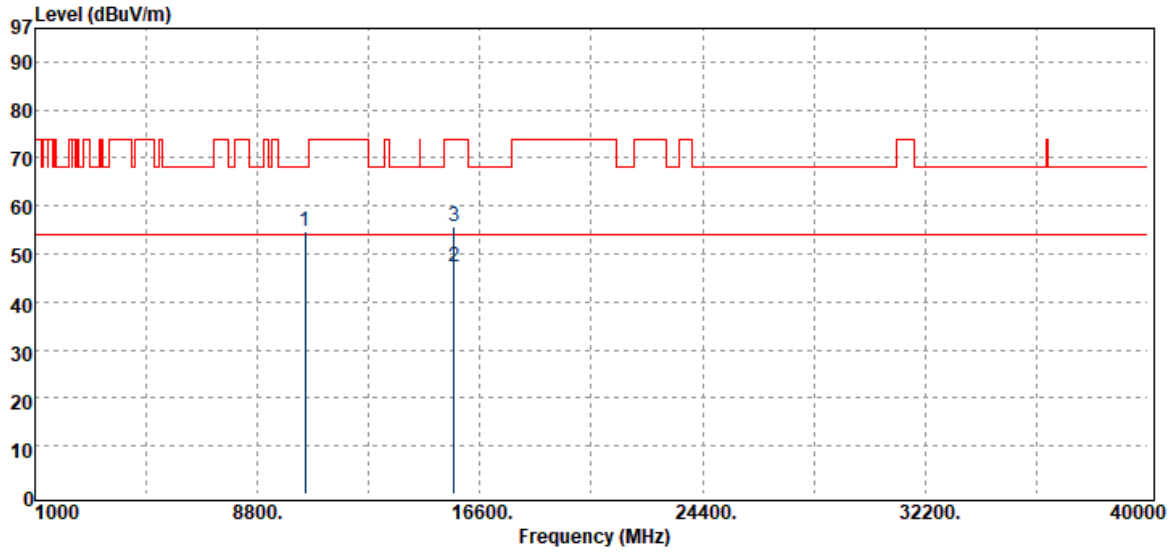
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10380.00	Peak	35.16	19.37	54.53	68.20	-13.67
15570.00	Average	25.76	22.07	47.83	54.00	-6.17
15570.00	Peak	34.48	22.07	56.55	74.00	-17.45

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-29
Test Frequency	:5230 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



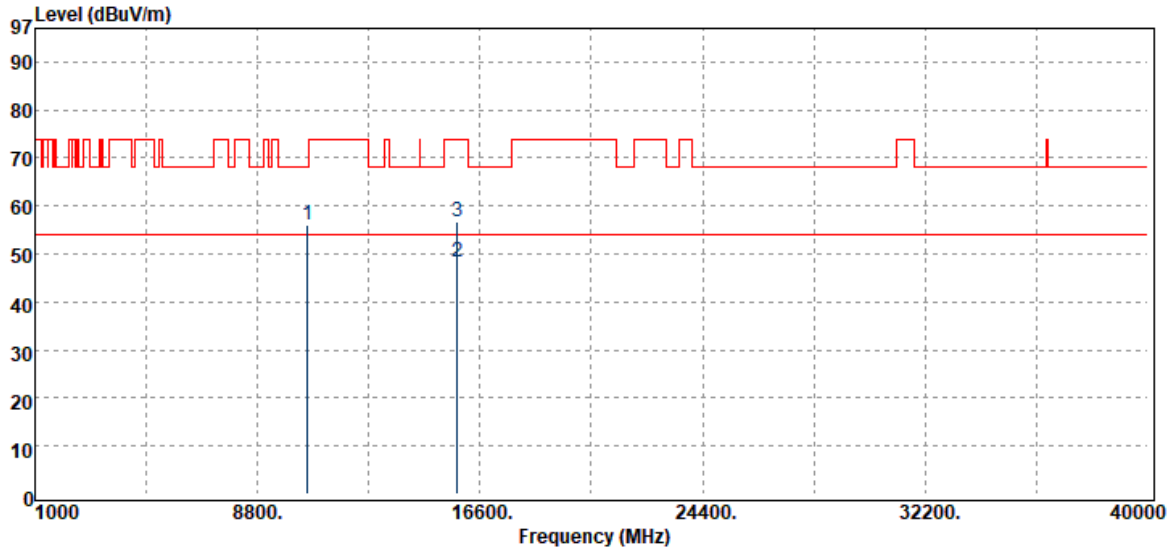
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10460.00	Peak	35.12	19.34	54.46	68.20	-13.74
15690.00	Average	26.10	21.60	47.70	54.00	-6.30
15690.00	Peak	35.85	21.60	57.45	74.00	-16.55

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-29
Test Frequency	:5230 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



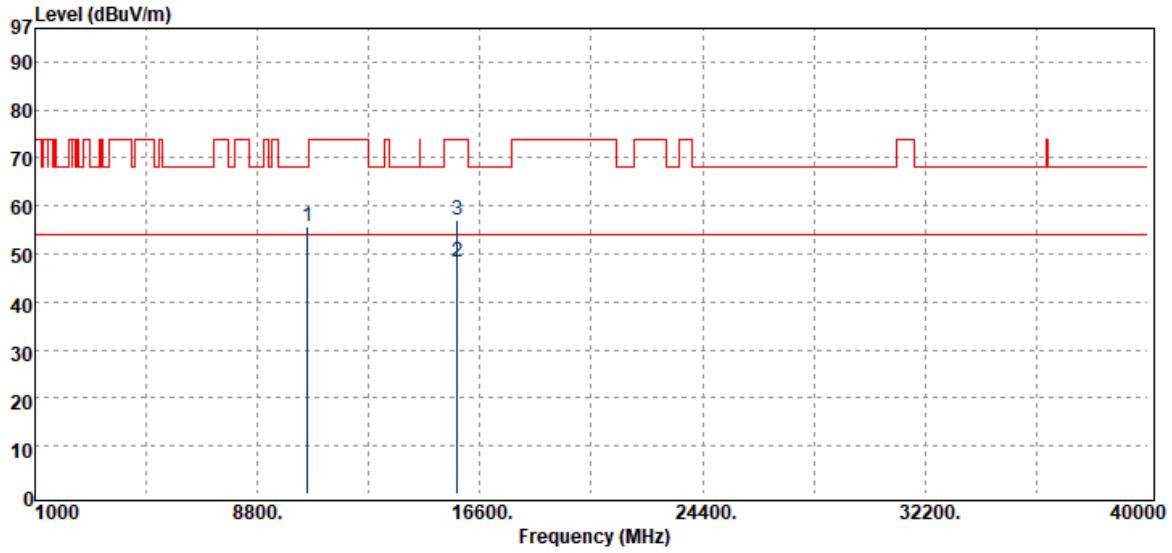
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10460.00	Peak	35.29	19.34	54.63	68.20	-13.57
15690.00	Average	25.59	21.60	47.19	54.00	-6.81
15690.00	Peak	34.26	21.60	55.86	74.00	-18.14

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-29
Test Frequency	:5270 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



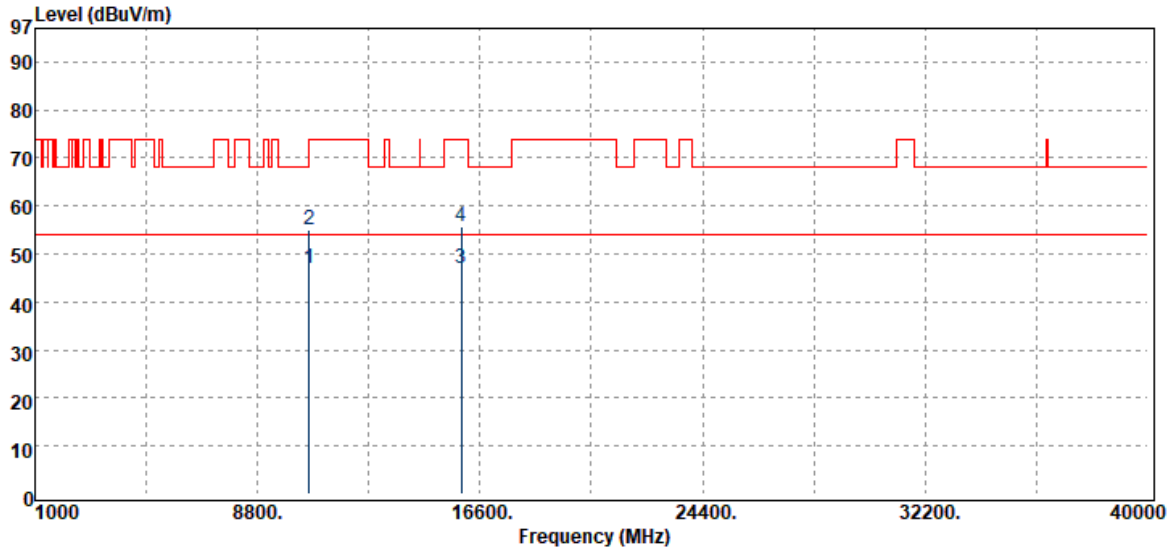
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10540.00	Peak	35.61	20.41	56.02	68.20	-12.18
15810.00	Average	26.42	21.77	48.19	54.00	-5.81
15810.00	Peak	35.12	21.77	56.89	74.00	-17.11

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-29
Test Frequency	:5270 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



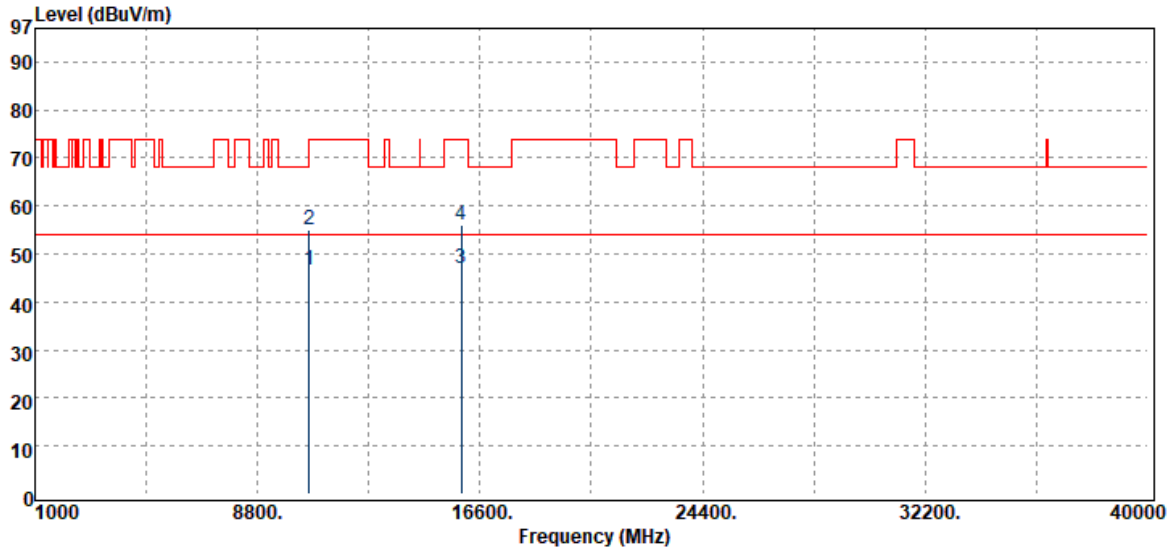
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10540.00	Peak	35.41	20.41	55.82	68.20	-12.38
15810.00	Average	26.48	21.77	48.25	54.00	-5.75
15810.00	Peak	35.24	21.77	57.01	74.00	-16.99

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-29
Test Frequency	:5310 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



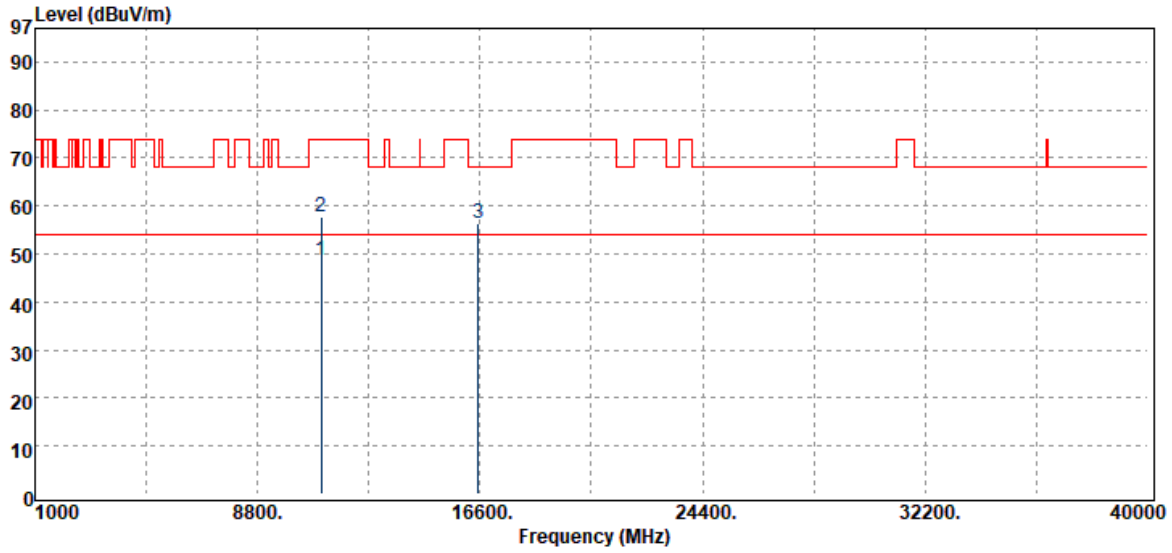
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10620.00	Average	26.82	20.08	46.90	54.00	-7.10
10620.00	Peak	35.12	20.08	55.20	74.00	-18.80
15930.00	Average	26.28	20.84	47.12	54.00	-6.88
15930.00	Peak	34.90	20.84	55.74	74.00	-18.26

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-29
Test Frequency	:5310 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



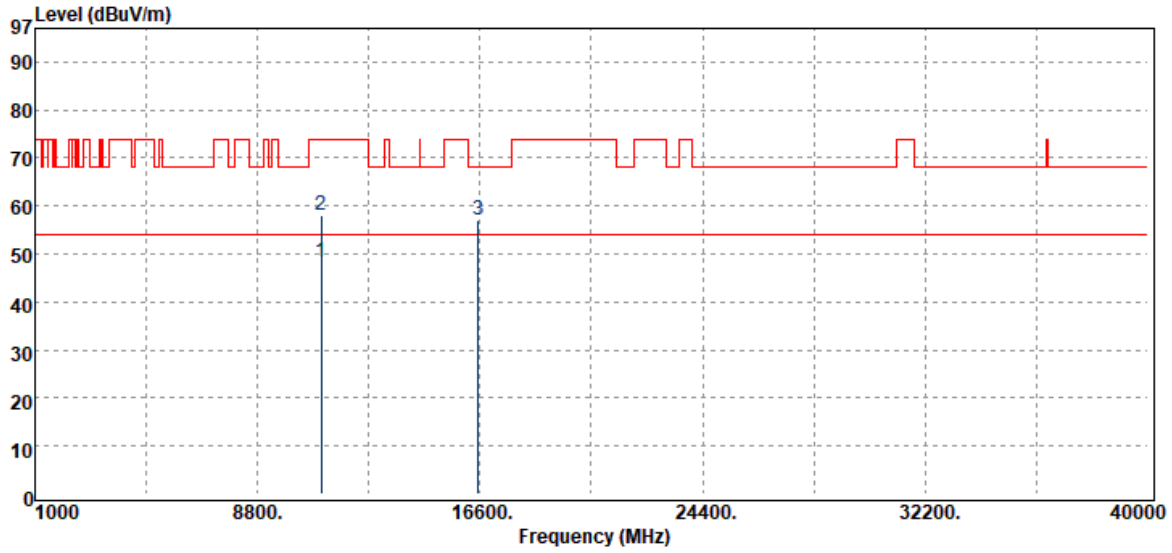
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10620.00	Average	26.56	20.08	46.64	54.00	-7.36
10620.00	Peak	35.03	20.08	55.11	74.00	-18.89
15930.00	Average	26.23	20.84	47.07	54.00	-6.93
15930.00	Peak	35.34	20.84	56.18	74.00	-17.82

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-29
Test Frequency	:5510 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



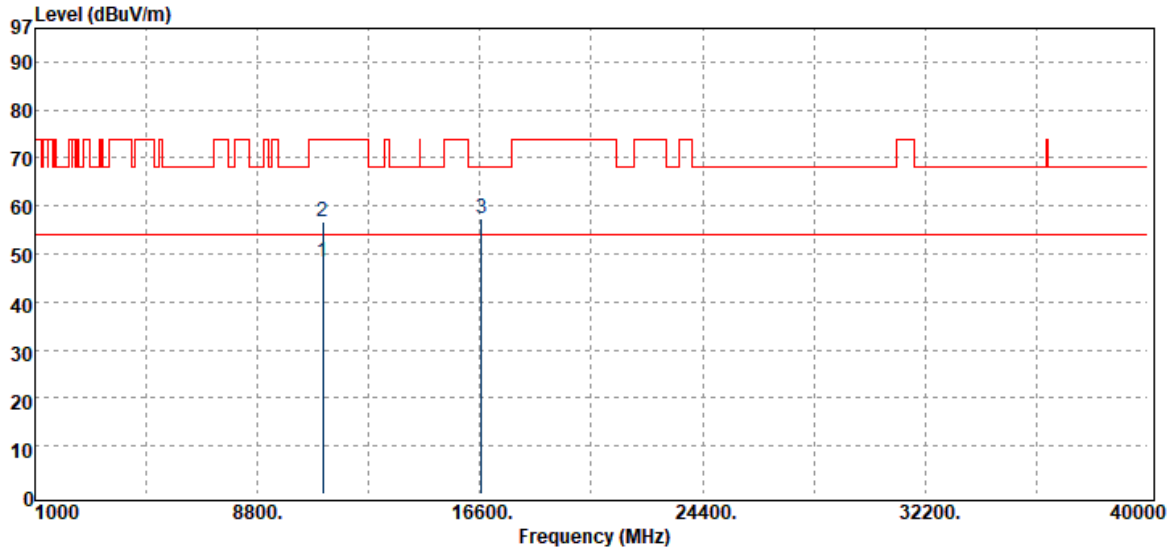
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11020.00	Average	26.26	22.32	48.58	54.00	-5.42
11020.00	Peak	35.29	22.32	57.61	74.00	-16.39
16530.00	Peak	33.59	22.89	56.48	68.20	-11.72

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-29
Test Frequency	:5510 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



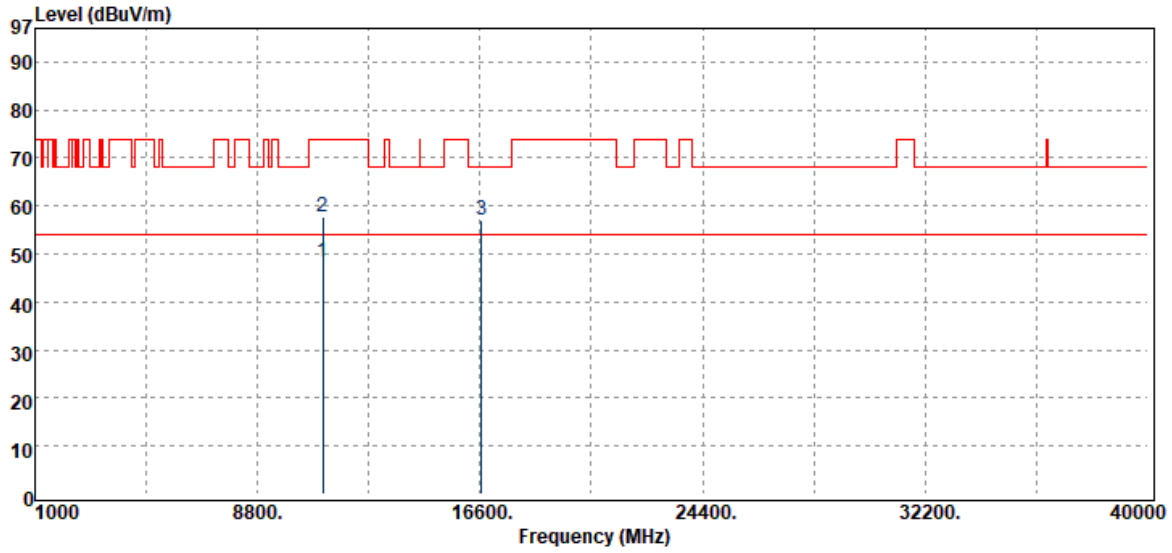
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11020.00	Average	26.16	22.32	48.48	54.00	-5.52
11020.00	Peak	35.75	22.32	58.07	74.00	-15.93
16530.00	Peak	34.11	22.89	57.00	68.20	-11.20

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-29
Test Frequency	:5550 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



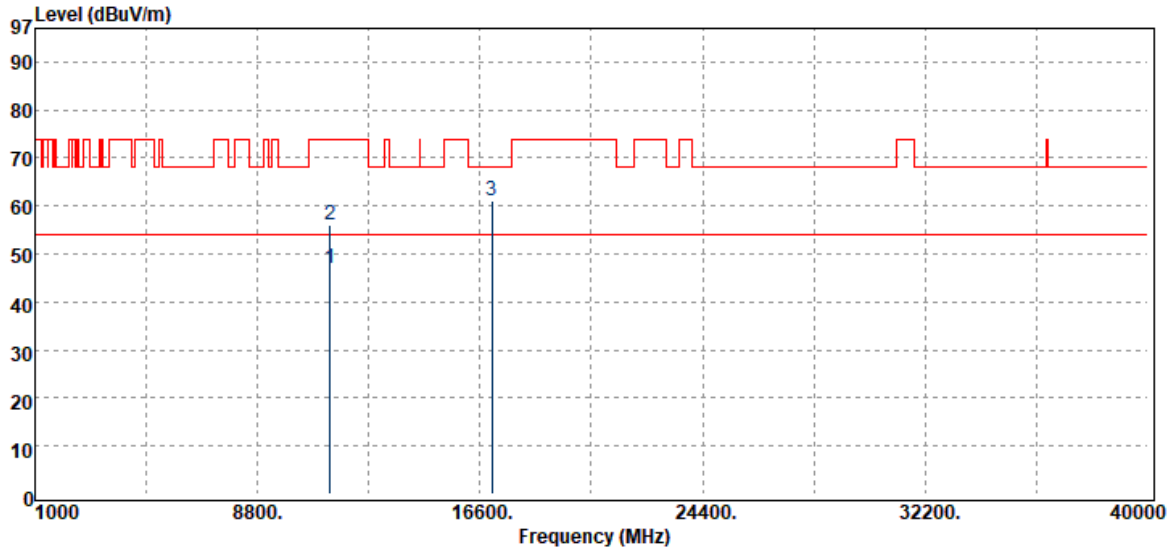
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11100.00	Average	26.47	22.01	48.48	54.00	-5.52
11100.00	Peak	34.73	22.01	56.74	74.00	-17.26
16650.00	Peak	33.83	23.64	57.47	68.20	-10.73

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-29
Test Frequency	:5550 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH Mid	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



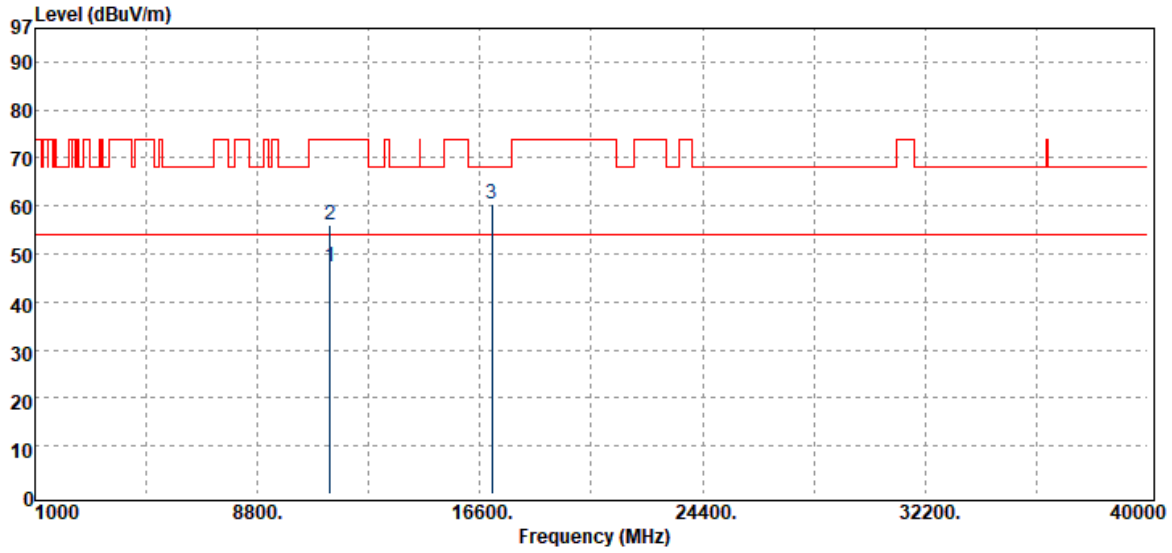
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11100.00	Average	26.25	22.01	48.26	54.00	-5.74
11100.00	Peak	35.57	22.01	57.58	74.00	-16.42
16650.00	Peak	33.40	23.64	57.04	68.20	-11.16

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-29
Test Frequency	:5670 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



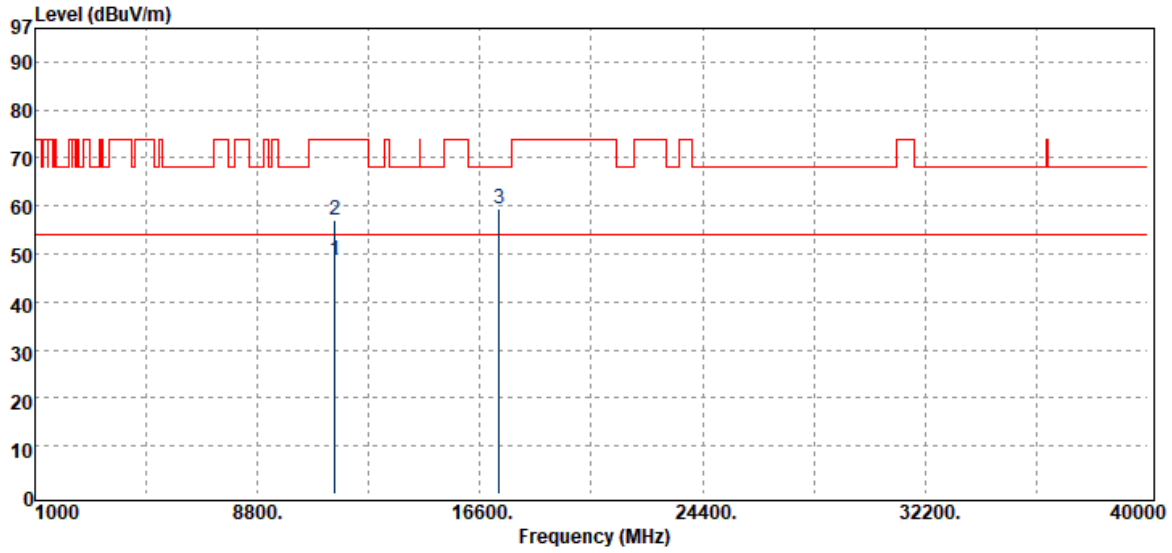
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11340.00	Average	25.75	21.33	47.08	54.00	-6.92
11340.00	Peak	34.60	21.33	55.93	74.00	-18.07
17010.00	Peak	35.16	25.98	61.14	68.20	-7.06

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-29
Test Frequency	:5670 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



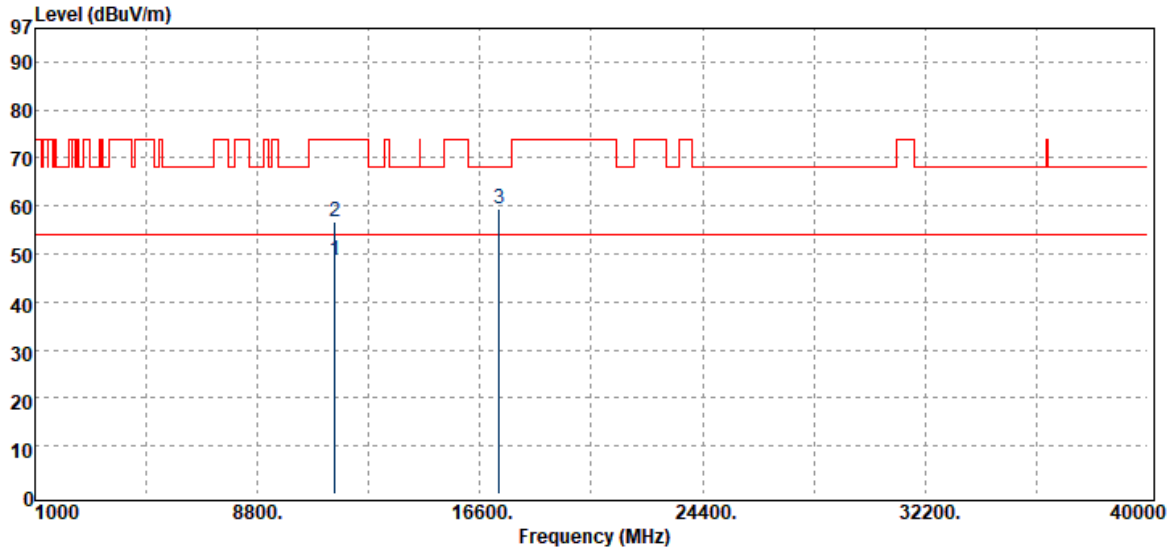
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11340.00	Average	25.87	21.33	47.20	54.00	-6.80
11340.00	Peak	34.62	21.33	55.95	74.00	-18.05
17010.00	Peak	34.52	25.98	60.50	68.20	-7.70

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-29
Test Frequency	:5755 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



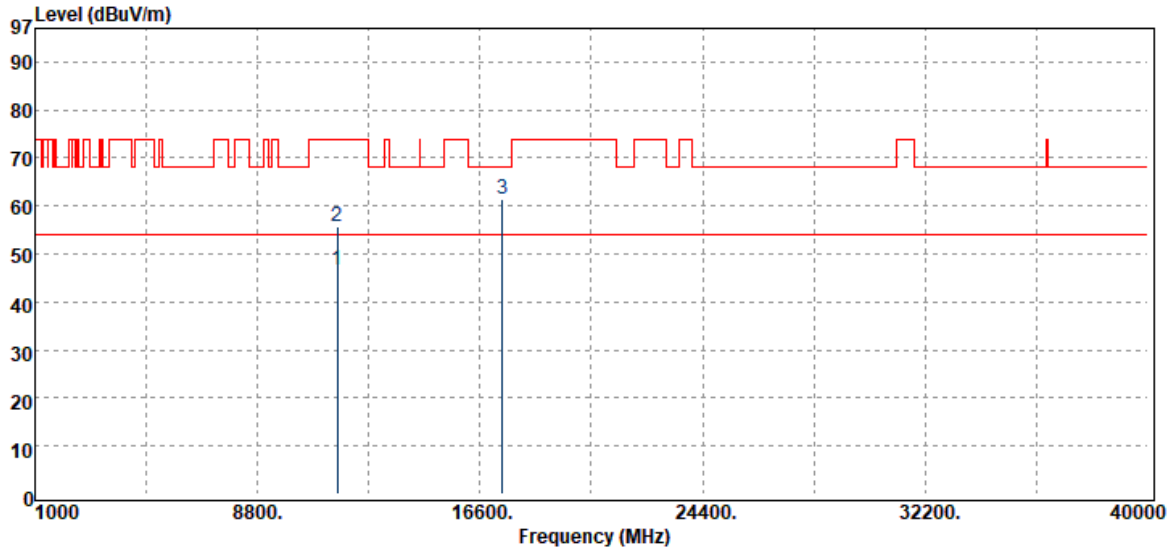
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11510.00	Average	25.63	23.00	48.63	54.00	-5.37
11510.00	Peak	33.91	23.00	56.91	74.00	-17.09
17265.00	Peak	34.02	25.49	59.51	68.20	-8.69

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-29
Test Frequency	:5755 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



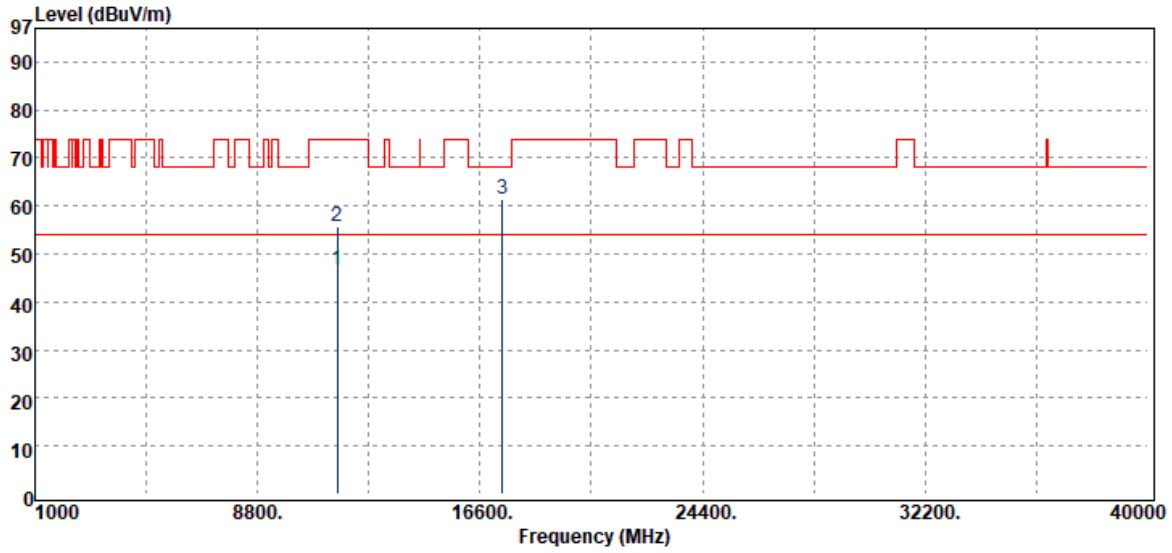
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11510.00	Average	25.54	23.00	48.54	54.00	-5.46
11510.00	Peak	33.77	23.00	56.77	74.00	-17.23
17265.00	Peak	33.78	25.49	59.27	68.20	-8.93

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-29
Test Frequency	:5795 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11590.00	Average	25.70	20.95	46.65	54.00	-7.35
11590.00	Peak	34.80	20.95	55.75	74.00	-18.25
17385.00	Peak	33.95	27.52	61.47	68.20	-6.73

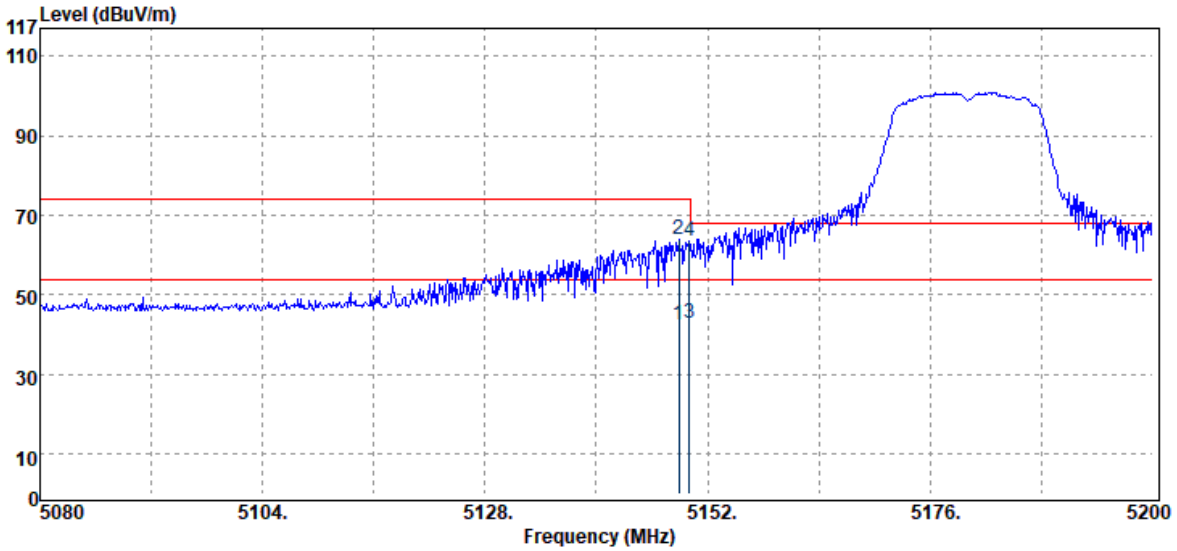
Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-29
Test Frequency	:5795 MHz	Temp./Humi.	:26.1/61
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11590.00	Average	25.73	20.95	46.68	54.00	-7.32
11590.00	Peak	34.67	20.95	55.62	74.00	-18.38
17385.00	Peak	33.86	27.52	61.38	68.20	-6.82

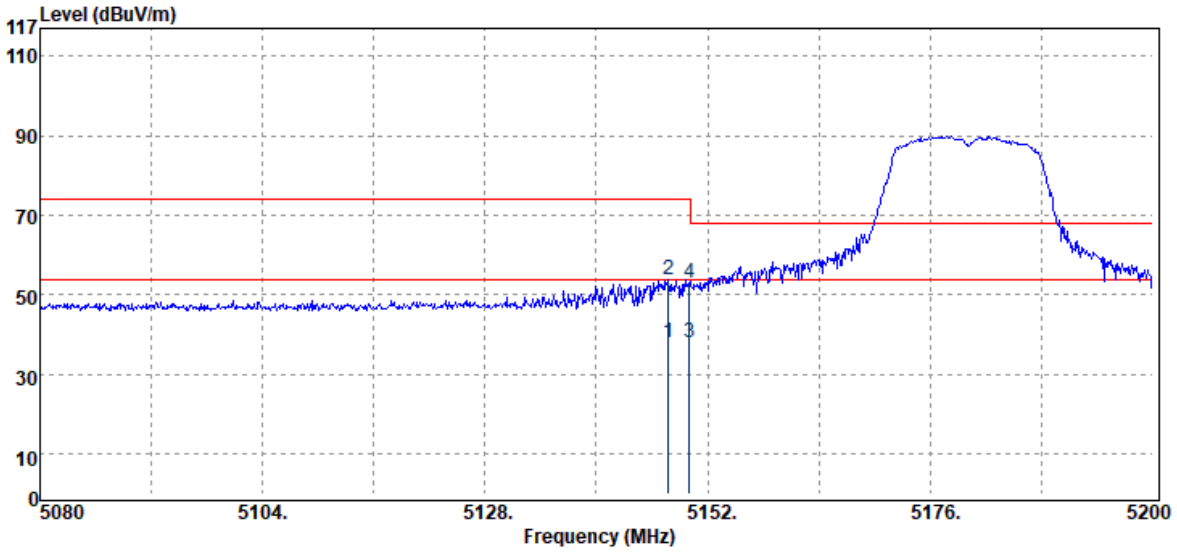
6.7.2 Band edge falling to restricted band

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-23
Test Frequency	:5180 MHz	Temp./Humi.	:26.5/64
Test Mode	:Bandedge CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



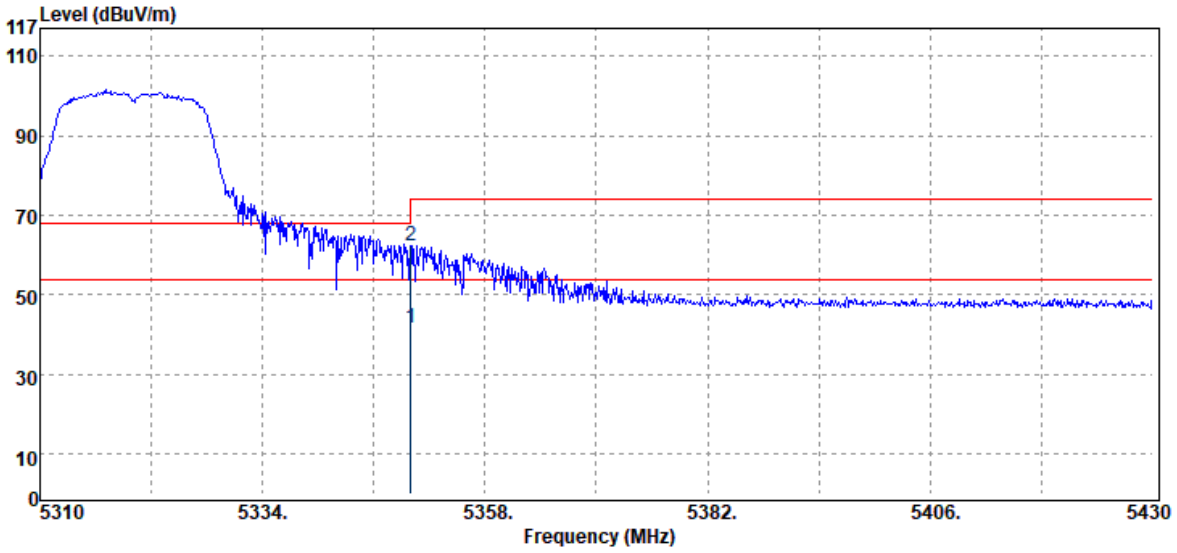
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5148.88	Average	34.70	7.82	42.52	54.00	-11.48
5148.88	Peak	56.23	7.82	64.05	74.00	-9.95
5150.00	Average	35.12	7.82	42.94	54.00	-11.06
5150.00	Peak	55.56	7.82	63.38	74.00	-10.62

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-23
Test Frequency	:5180 MHz	Temp./Humi.	:26.5/64
Test Mode	:Bandedge CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



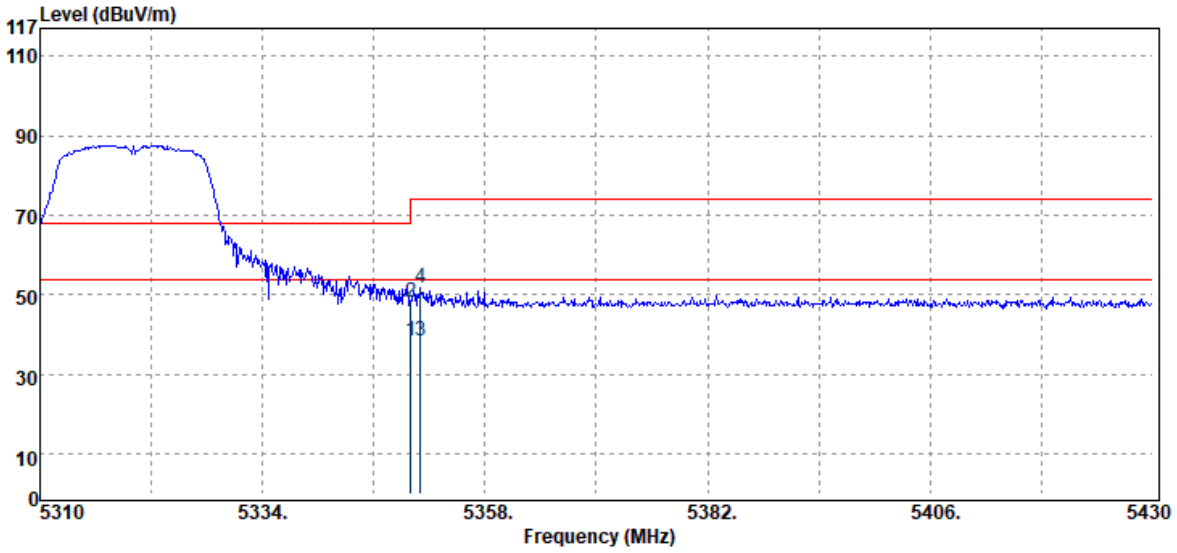
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5147.80	Average	30.32	7.81	38.13	54.00	-15.87
5147.80	Peak	46.06	7.81	53.87	74.00	-20.13
5150.00	Average	30.28	7.82	38.10	54.00	-15.90
5150.00	Peak	45.22	7.82	53.04	74.00	-20.96

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-23
Test Frequency	:5320 MHz	Temp./Humi.	:26.5/64
Test Mode	:Bandedge CH High	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



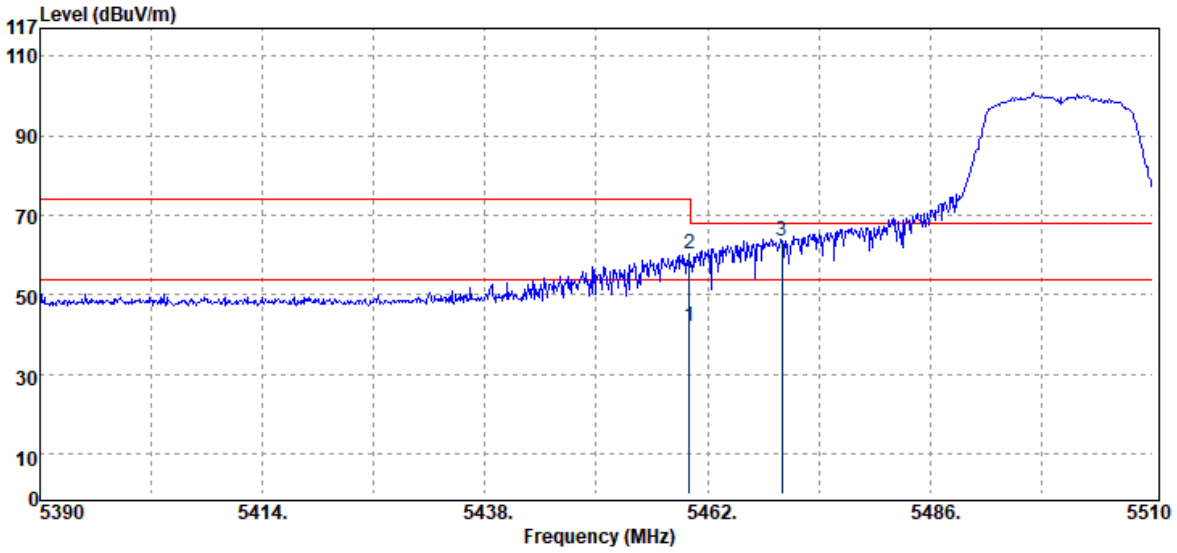
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Average	33.00	8.67	41.67	54.00	-12.33
5350.00	Peak	53.55	8.67	62.22	74.00	-11.78

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-23
Test Frequency	:5320 MHz	Temp./Humi.	:26.5/64
Test Mode	:Bandedge CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



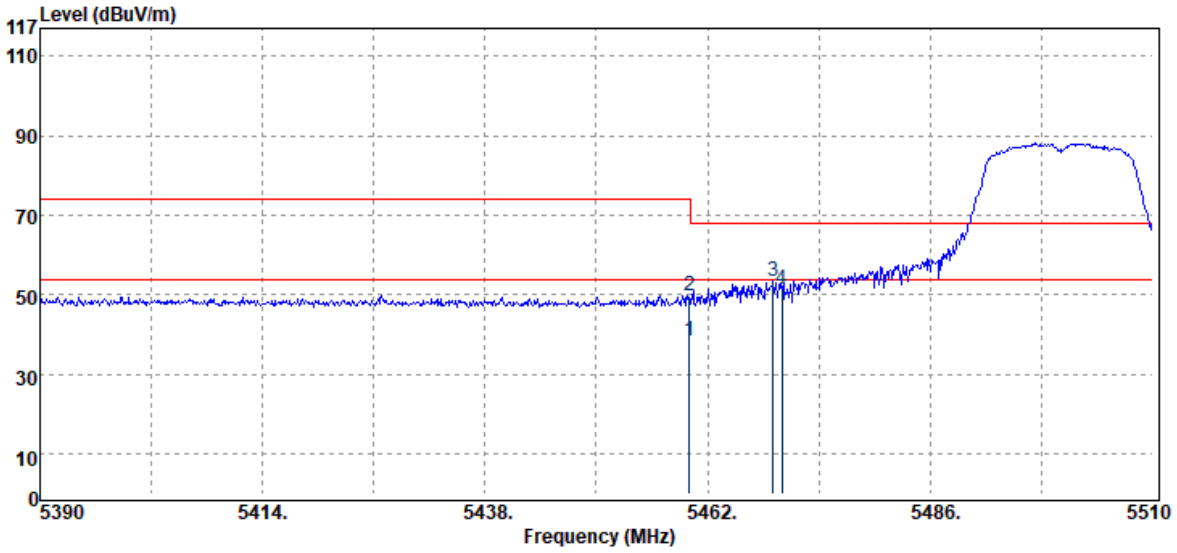
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Average	29.72	8.67	38.39	54.00	-15.61
5350.00	Peak	39.62	8.67	48.29	74.00	-25.71
5351.04	Average	29.77	8.69	38.46	54.00	-15.54
5351.04	Peak	43.06	8.69	51.75	74.00	-22.25

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-23
Test Frequency	:5500 MHz	Temp./Humi.	:26.5/64
Test Mode	:Bandedge CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



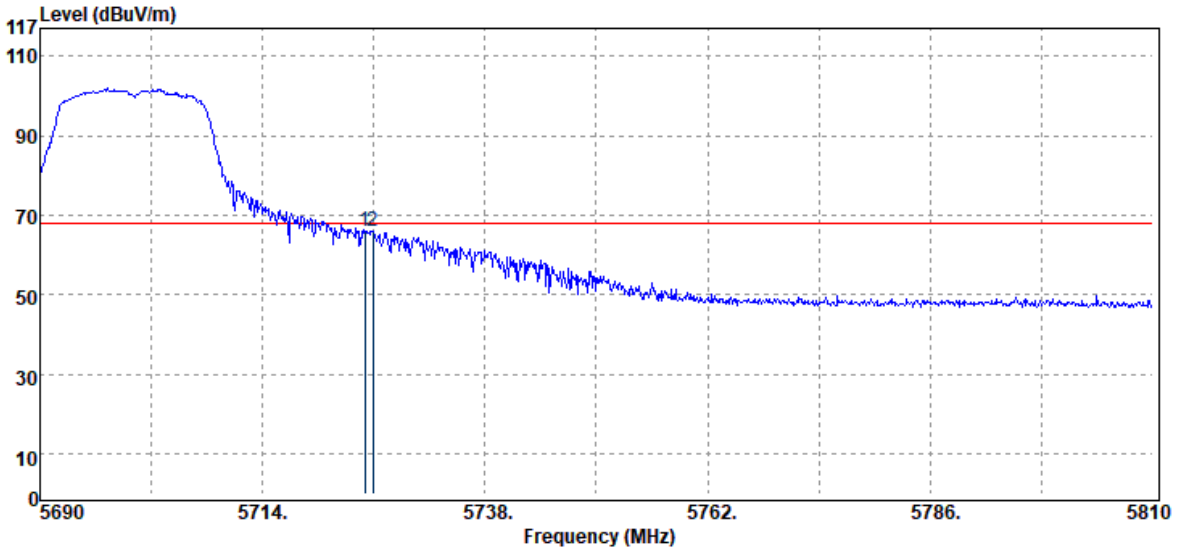
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Average	33.61	8.65	42.26	54.00	-11.74
5460.00	Peak	51.87	8.65	60.52	74.00	-13.48
5470.00	Peak	55.01	8.59	63.60	68.20	-4.60

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-23
Test Frequency	:5500 MHz	Temp./Humi.	:26.5/64
Test Mode	:Bandedge CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



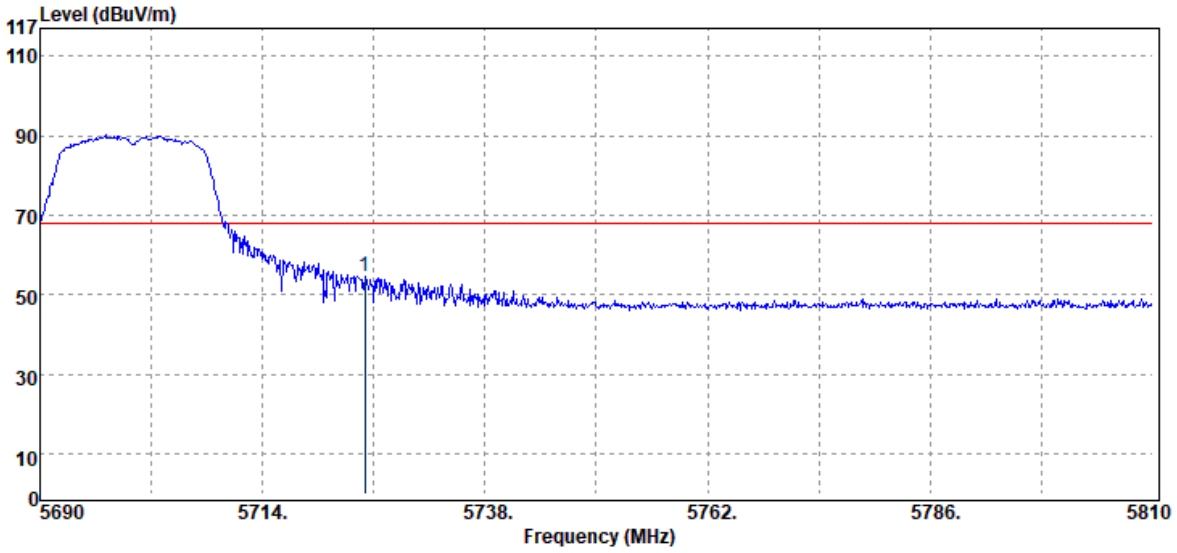
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Average	29.79	8.65	38.44	54.00	-15.56
5460.00	Peak	41.30	8.65	49.95	74.00	-24.05
5469.08	Peak	44.83	8.60	53.43	68.20	-14.77
5470.00	Peak	43.00	8.59	51.59	68.20	-16.61

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-23
Test Frequency	:5700 MHz	Temp./Humi.	:26.5/64
Test Mode	:Bandedge CH High	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



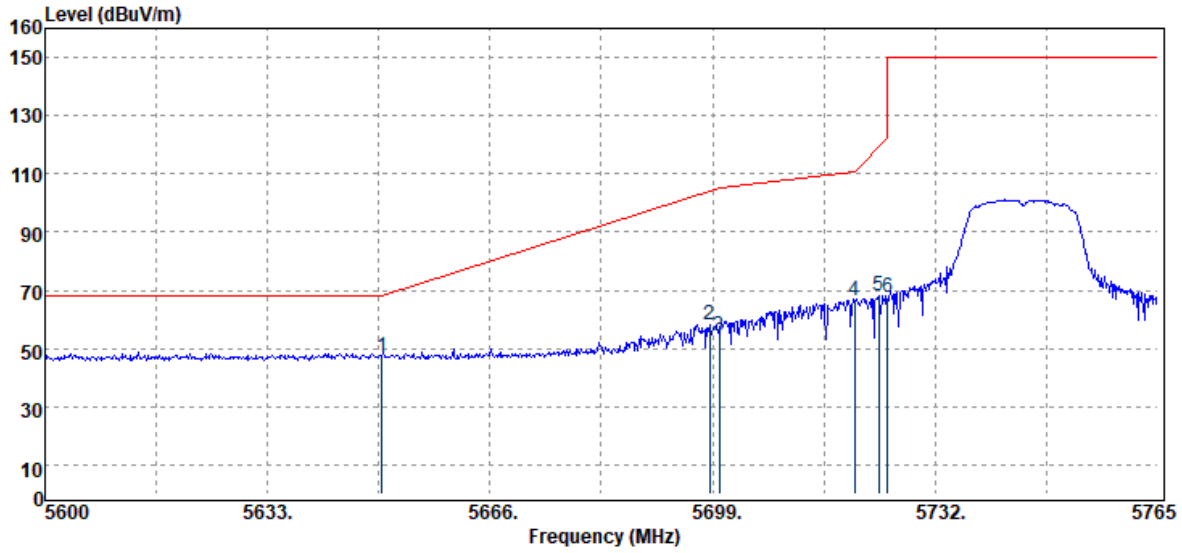
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	57.69	8.42	66.11	68.20	-2.09
5725.88	Peak	57.75	8.42	66.17	68.20	-2.03

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-23
Test Frequency	:5700 MHz	Temp./Humi.	:26.5/64
Test Mode	:Bandedge CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



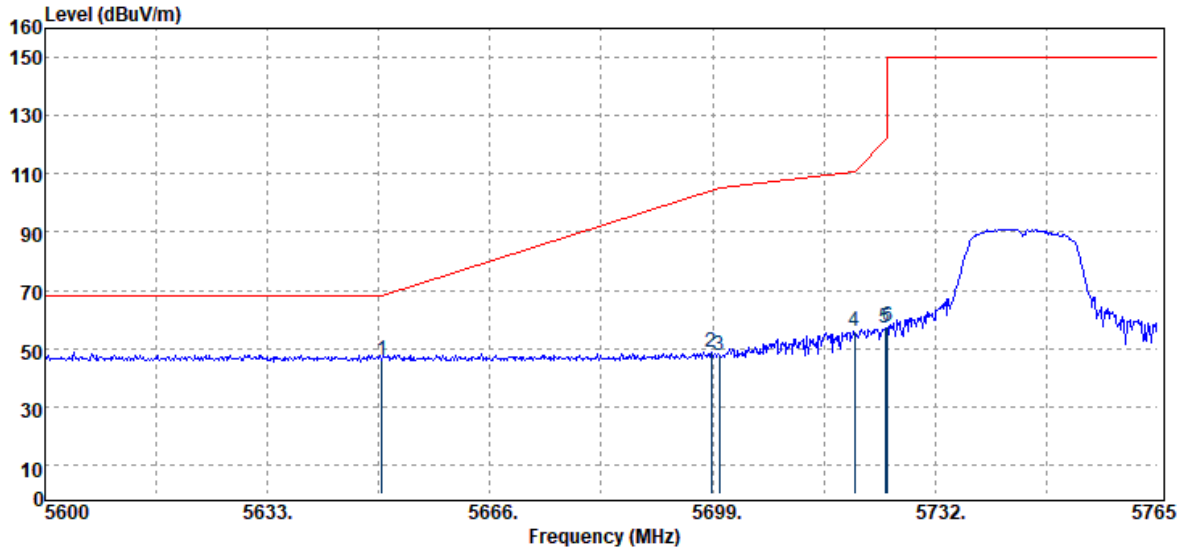
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	46.14	8.42	54.56	68.20	-13.64

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-23
Test Frequency	:5745 MHz	Temp./Humi.	:26.5/64
Test Mode	:Bandedge CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



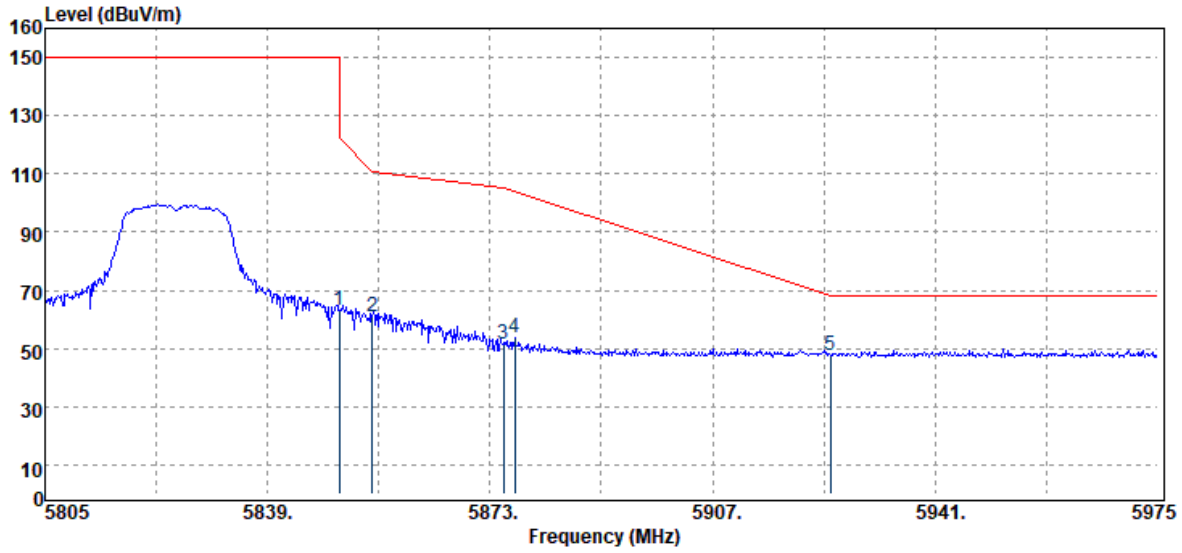
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	39.15	7.80	46.95	68.20	-21.25
5698.51	Peak	50.04	8.24	58.28	104.09	-45.81
5700.00	Peak	46.02	8.25	54.27	105.20	-50.93
5720.00	Peak	57.80	8.39	66.19	110.80	-44.61
5723.59	Peak	59.88	8.41	68.29	118.97	-50.68
5725.00	Peak	59.12	8.42	67.54	122.20	-54.66

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-23
Test Frequency	:5745 MHz	Temp./Humi.	:26.5/64
Test Mode	:Bandedge CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



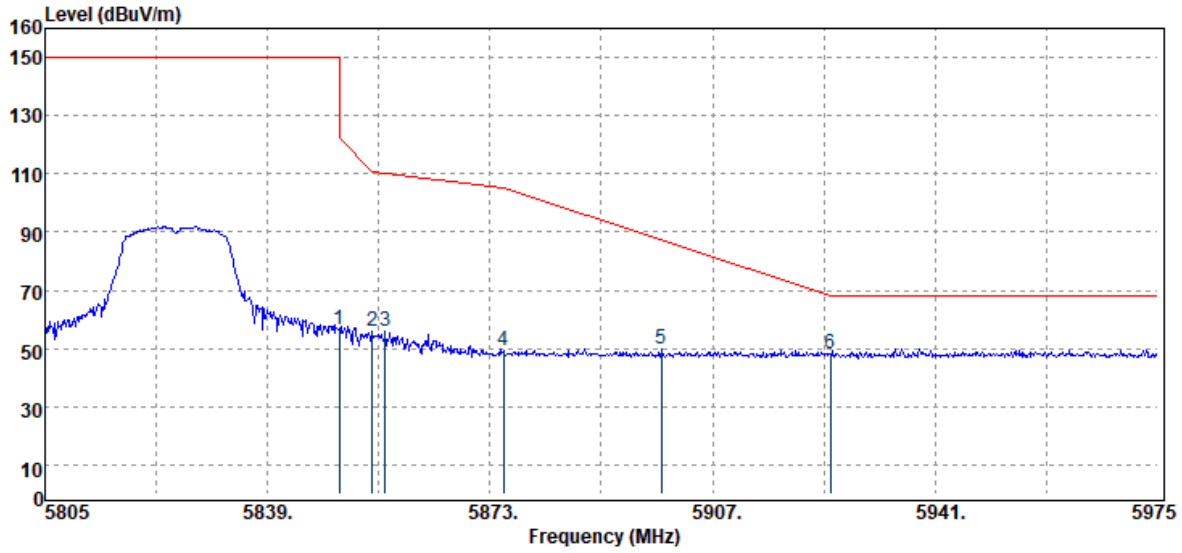
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	38.16	7.80	45.96	68.20	-22.24
5698.84	Peak	40.51	8.24	48.75	104.34	-55.59
5700.00	Peak	39.48	8.25	47.73	105.20	-57.47
5720.00	Peak	47.76	8.39	56.15	110.80	-54.65
5724.58	Peak	48.47	8.42	56.89	121.23	-64.34
5725.00	Peak	49.04	8.42	57.46	122.20	-64.74

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-23
Test Frequency	:5825 MHz	Temp./Humi.	:26.5/64
Test Mode	:Bandedge CH High	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



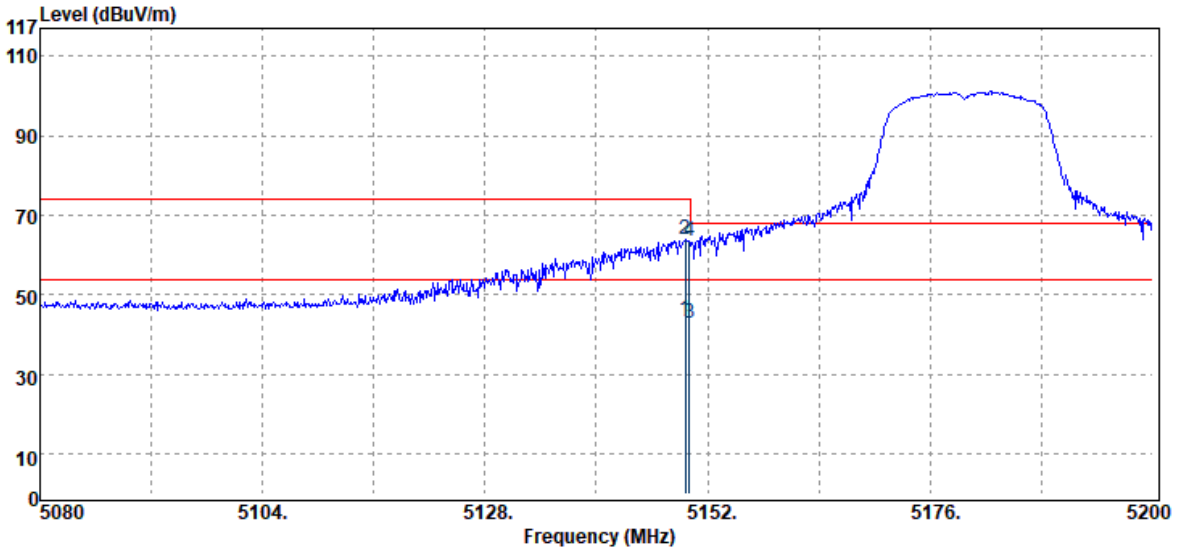
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	54.37	8.93	63.30	122.20	-58.90
5855.00	Peak	52.04	8.93	60.97	110.80	-49.83
5875.00	Peak	42.68	8.89	51.57	105.20	-53.63
5876.74	Peak	44.98	8.89	53.87	103.91	-50.04
5925.00	Peak	38.64	8.84	47.48	68.20	-20.72

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2021-06-23
Test Frequency	:5825 MHz	Temp./Humi.	:26.5/64
Test Mode	:Bandedge CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



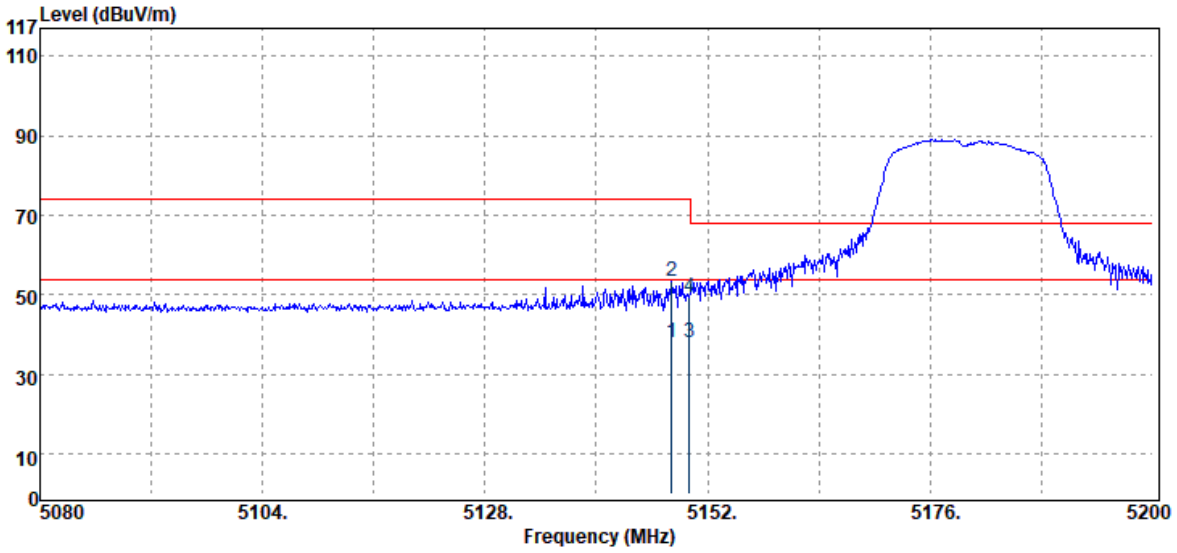
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	47.29	8.93	56.22	122.20	-65.98
5855.00	Peak	46.86	8.93	55.79	110.80	-55.01
5857.02	Peak	47.00	8.92	55.92	110.23	-54.31
5875.00	Peak	40.60	8.89	49.49	105.20	-55.71
5899.18	Peak	41.11	8.85	49.96	87.31	-37.35
5925.00	Peak	39.16	8.84	48.00	68.20	-20.20

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-23
Test Frequency	:5180 MHz	Temp./Humi.	:26.5/64
Test Mode	:Bandedge CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



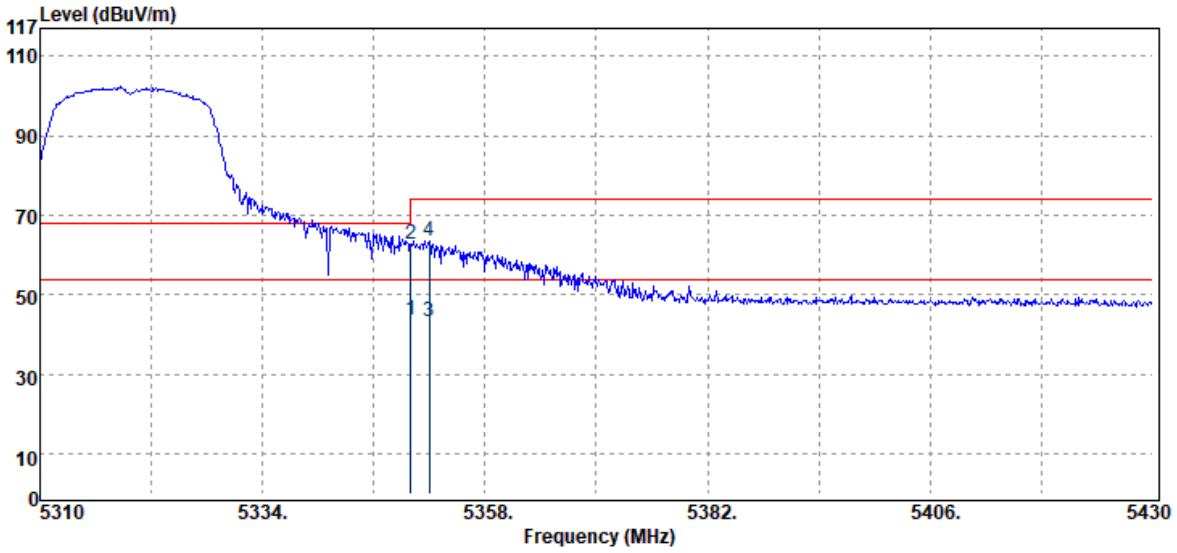
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5149.60	Average	35.70	7.82	43.52	54.00	-10.48
5149.60	Peak	56.06	7.82	63.88	74.00	-10.12
5150.00	Average	35.22	7.82	43.04	54.00	-10.96
5150.00	Peak	55.60	7.82	63.42	74.00	-10.58

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-23
Test Frequency	:5180 MHz	Temp./Humi.	:26.5/64
Test Mode	:Bandedge CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



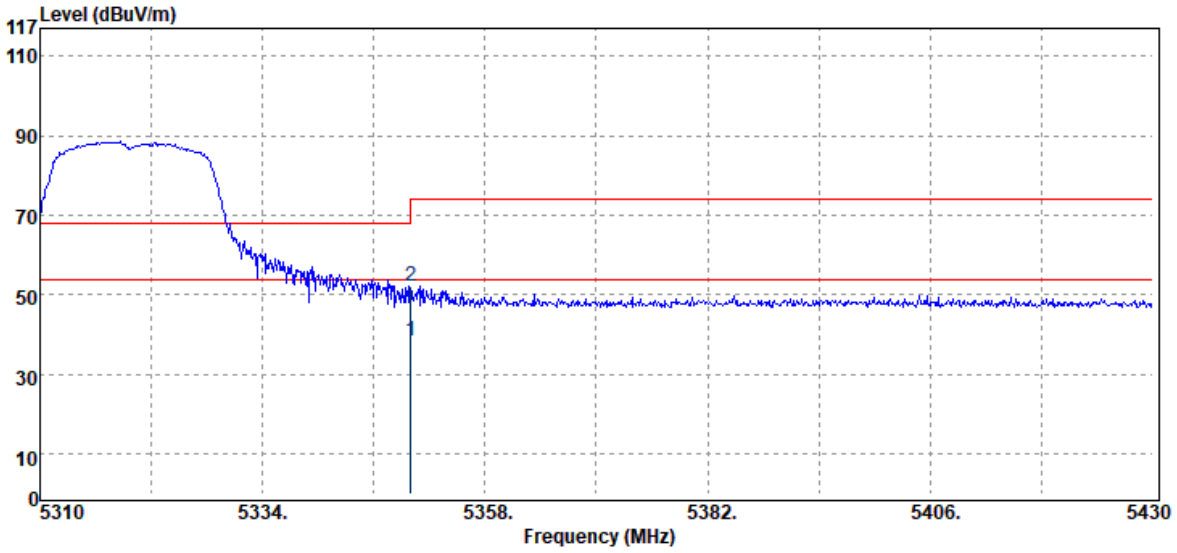
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5148.16	Average	30.18	7.82	38.00	54.00	-16.00
5148.16	Peak	45.65	7.82	53.47	74.00	-20.53
5150.00	Average	30.16	7.82	37.98	54.00	-16.02
5150.00	Peak	41.75	7.82	49.57	74.00	-24.43

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-23
Test Frequency	:5320 MHz	Temp./Humi.	:26.5/64
Test Mode	:Bandedge CH High	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



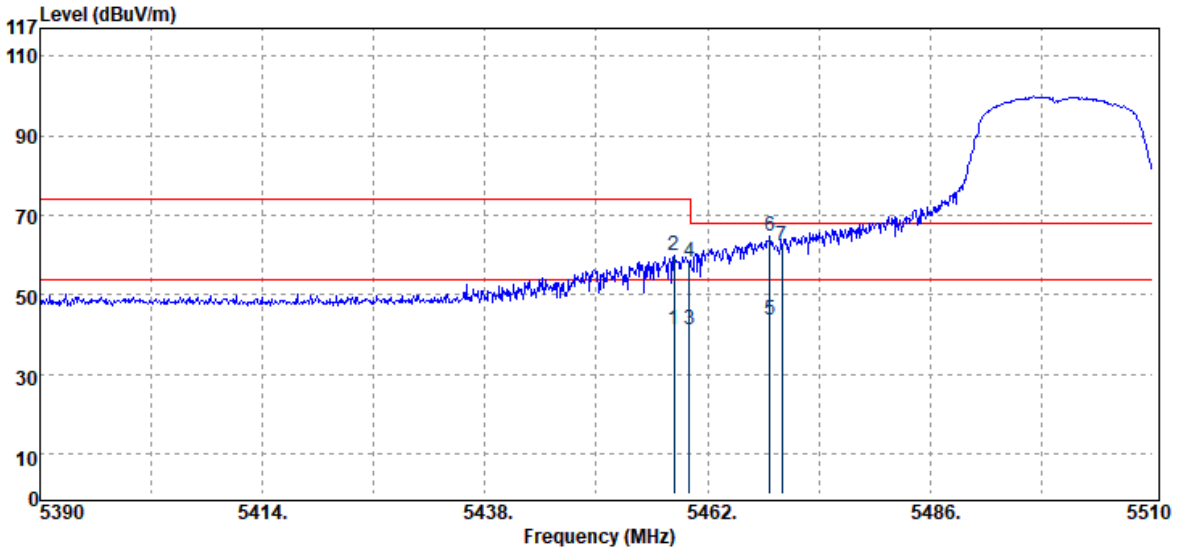
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Average	34.88	8.67	43.55	54.00	-10.45
5350.00	Peak	54.11	8.67	62.78	74.00	-11.22
5352.00	Average	34.42	8.70	43.12	54.00	-10.88
5352.00	Peak	54.87	8.70	63.57	74.00	-10.43

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-23
Test Frequency	:5320 MHz	Temp./Humi.	:26.5/64
Test Mode	:Bandedge CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



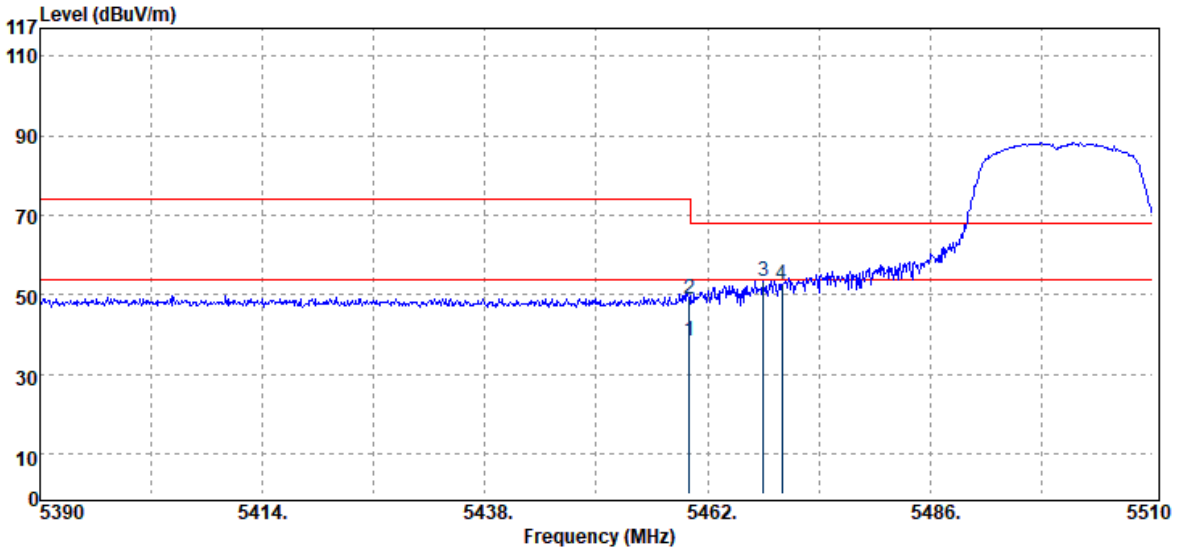
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Average	29.89	8.67	38.56	54.00	-15.44
5350.00	Peak	43.44	8.67	52.11	74.00	-21.89

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-23
Test Frequency	:5500 MHz	Temp./Humi.	:26.5/64
Test Mode	:Bandedge CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



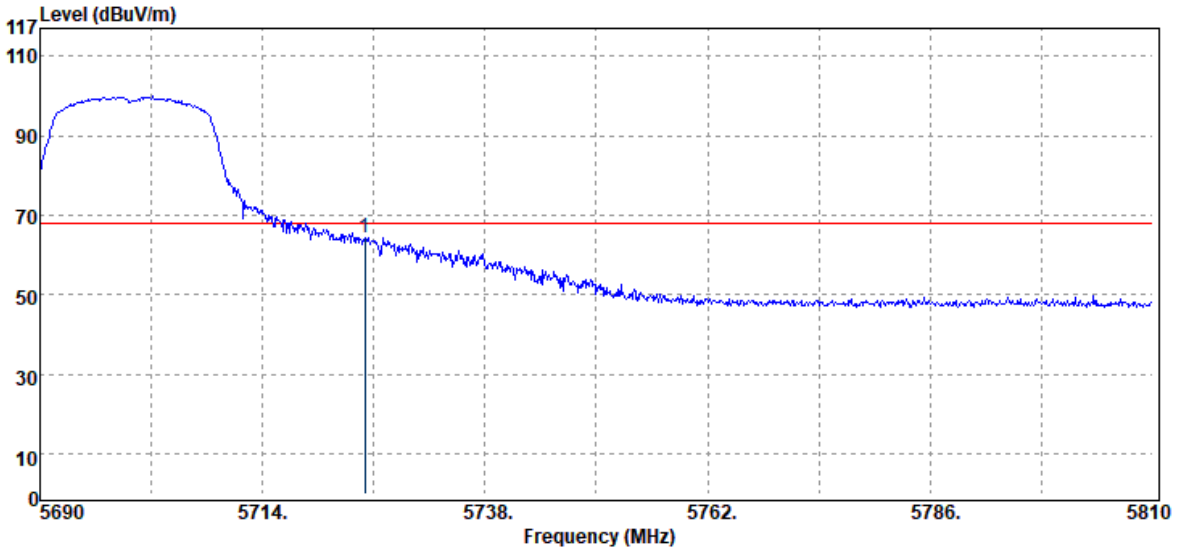
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5458.40	Average	32.82	8.67	41.49	54.00	-12.51
5458.40	Peak	51.13	8.67	59.80	74.00	-14.20
5460.00	Average	32.76	8.65	41.41	54.00	-12.59
5460.00	Peak	49.76	8.65	58.41	74.00	-15.59
5468.72	Average	35.10	8.61	43.71	54.00	-10.29
5468.72	Peak	56.03	8.61	64.64	68.20	-3.56
5470.00	Peak	53.86	8.59	62.45	68.20	-5.75

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-23
Test Frequency	:5500 MHz	Temp./Humi.	:26.5/64
Test Mode	:Bandedge CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



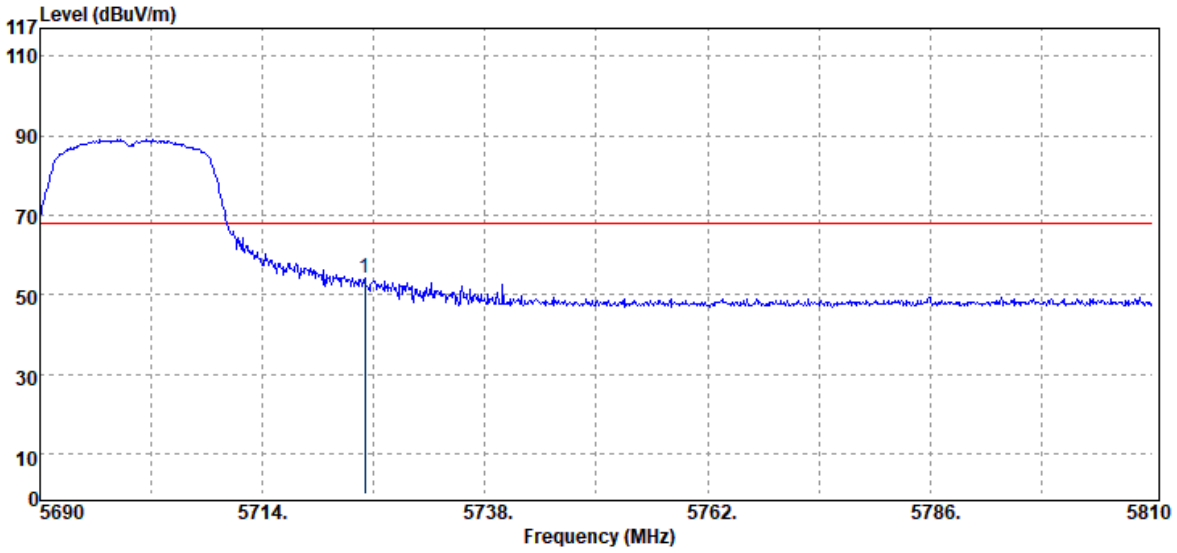
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Average	29.81	8.65	38.46	54.00	-15.54
5460.00	Peak	40.24	8.65	48.89	74.00	-25.11
5468.00	Peak	44.96	8.61	53.57	68.20	-14.63
5470.00	Peak	44.23	8.59	52.82	68.20	-15.38

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-23
Test Frequency	:5700 MHz	Temp./Humi.	:26.5/64
Test Mode	:Bandedge CH High	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



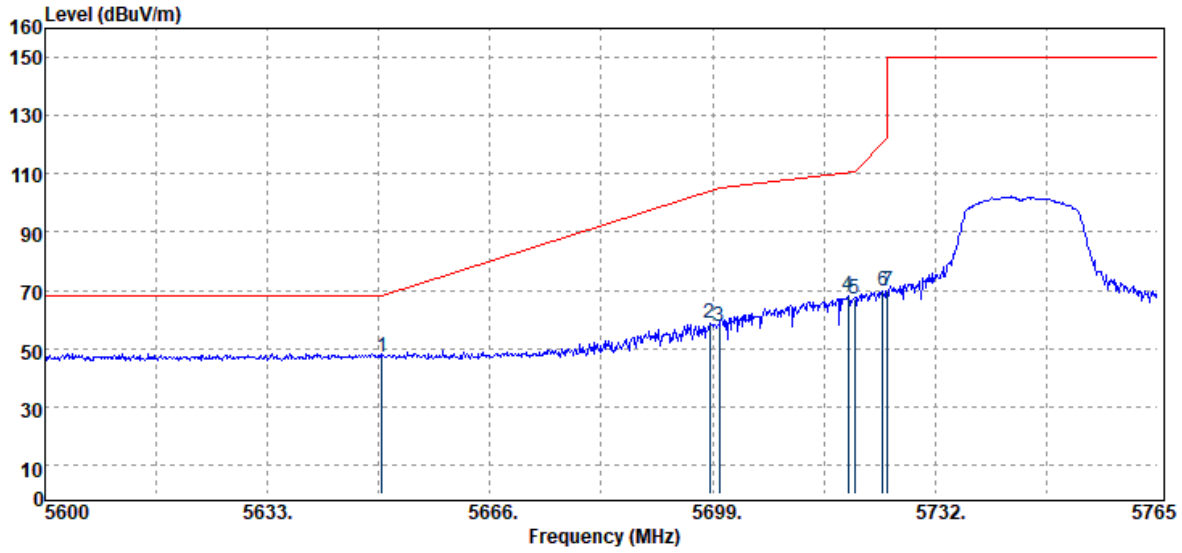
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	55.98	8.42	64.40	68.20	-3.80

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-23
Test Frequency	:5700 MHz	Temp./Humi.	:26.5/64
Test Mode	:Bandedge CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



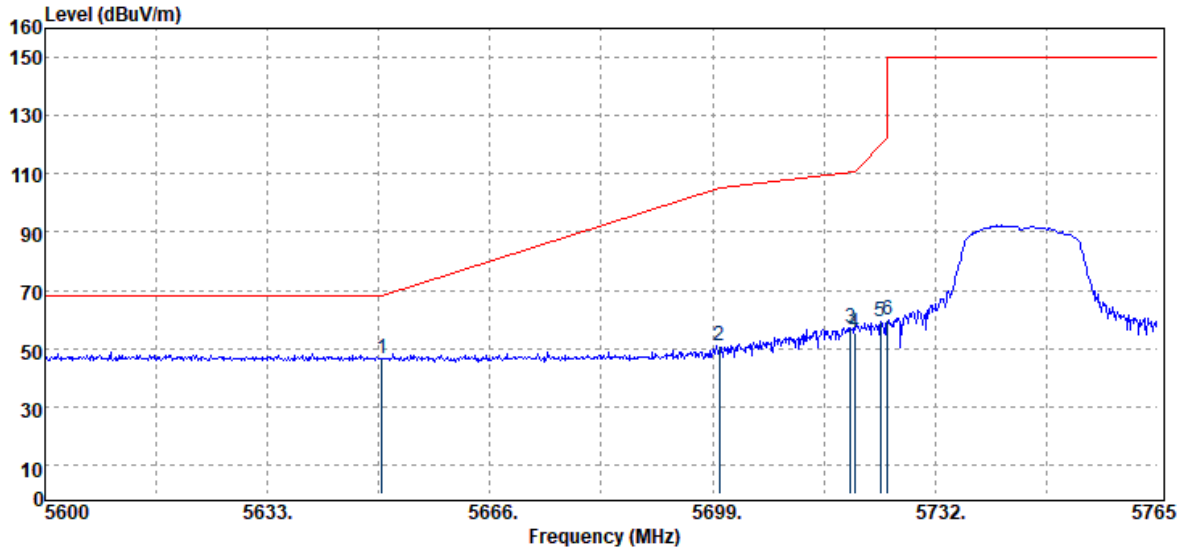
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	45.91	8.42	54.33	68.20	-13.87

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-24
Test Frequency	:5745 MHz	Temp./Humi.	:26.1/59
Test Mode	:Bandedge CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



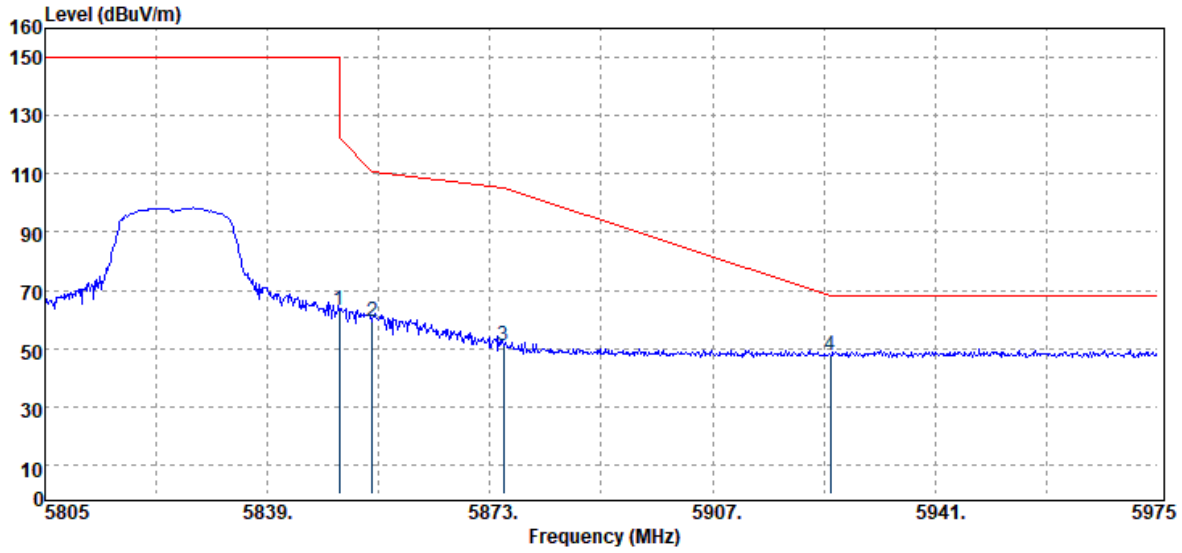
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	39.08	7.80	46.88	68.20	-21.32
5698.51	Peak	50.60	8.24	58.84	104.09	-45.25
5700.00	Peak	49.53	8.25	57.78	105.20	-47.42
5719.13	Peak	59.44	8.39	67.83	110.56	-42.73
5720.00	Peak	58.84	8.39	67.23	110.80	-43.57
5724.25	Peak	61.26	8.42	69.68	120.48	-50.80
5725.00	Peak	61.33	8.42	69.75	122.20	-52.45

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-24
Test Frequency	:5745 MHz	Temp./Humi.	:26.1/59
Test Mode	:Bandedge CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



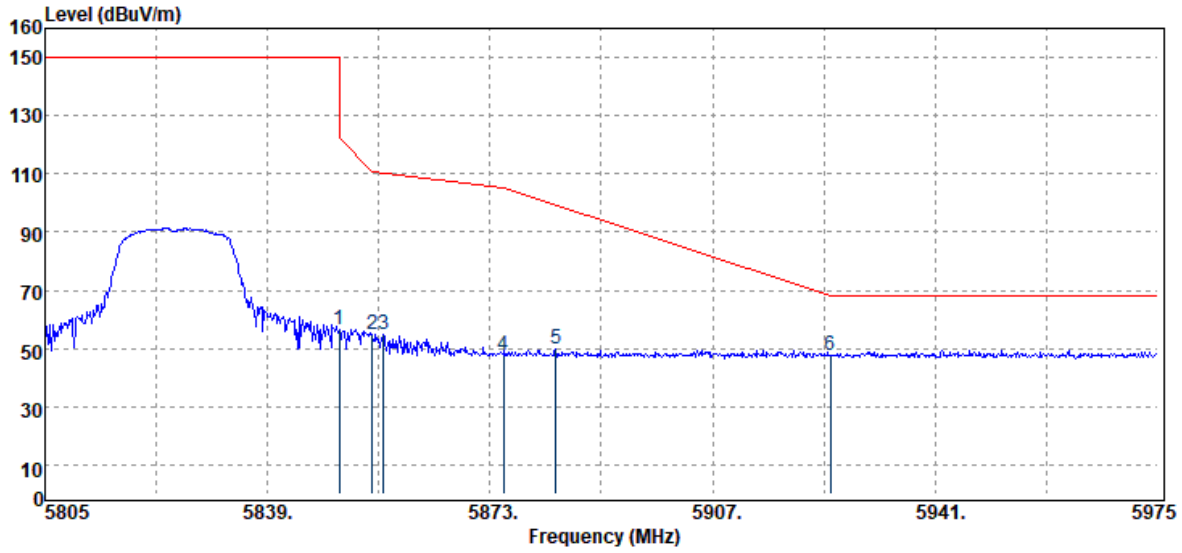
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	38.83	7.80	46.63	68.20	-21.57
5700.00	Peak	42.72	8.25	50.97	105.20	-54.23
5719.46	Peak	48.73	8.39	57.12	110.65	-53.53
5720.00	Peak	47.03	8.39	55.42	110.80	-55.38
5723.92	Peak	51.00	8.41	59.41	119.73	-60.32
5725.00	Peak	51.21	8.42	59.63	122.20	-62.57

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-24
Test Frequency	:5825 MHz	Temp./Humi.	:26.1/59
Test Mode	:Bandedge CH High	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



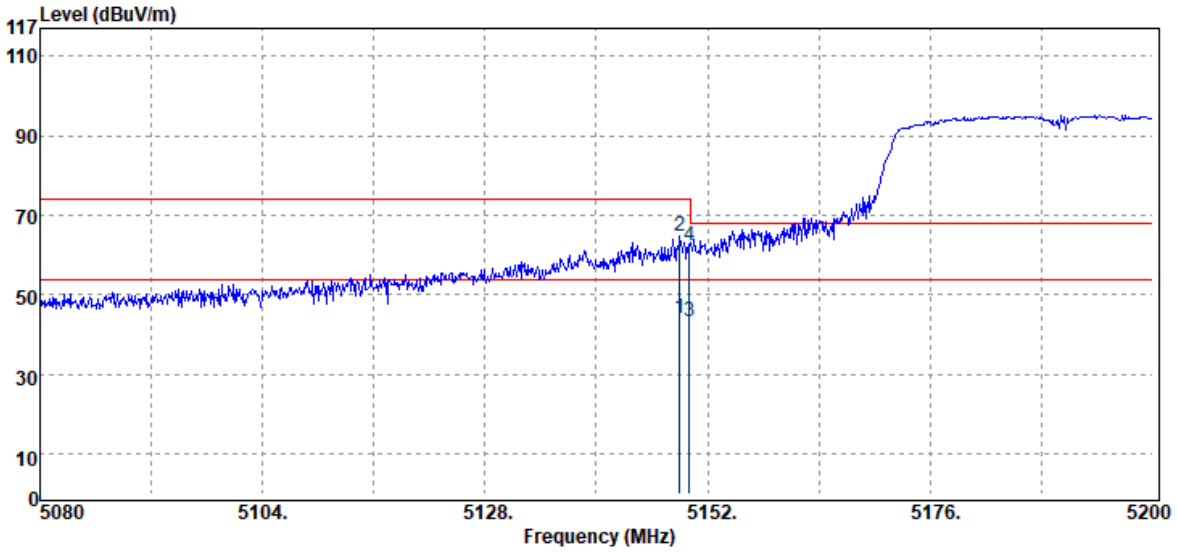
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	54.37	8.93	63.30	122.20	-58.90
5855.00	Peak	50.21	8.93	59.14	110.80	-51.66
5875.00	Peak	42.14	8.89	51.03	105.20	-54.17
5925.00	Peak	38.91	8.84	47.75	68.20	-20.45

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-24
Test Frequency	:5825 MHz	Temp./Humi.	:26.1/59
Test Mode	:Bandedge CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



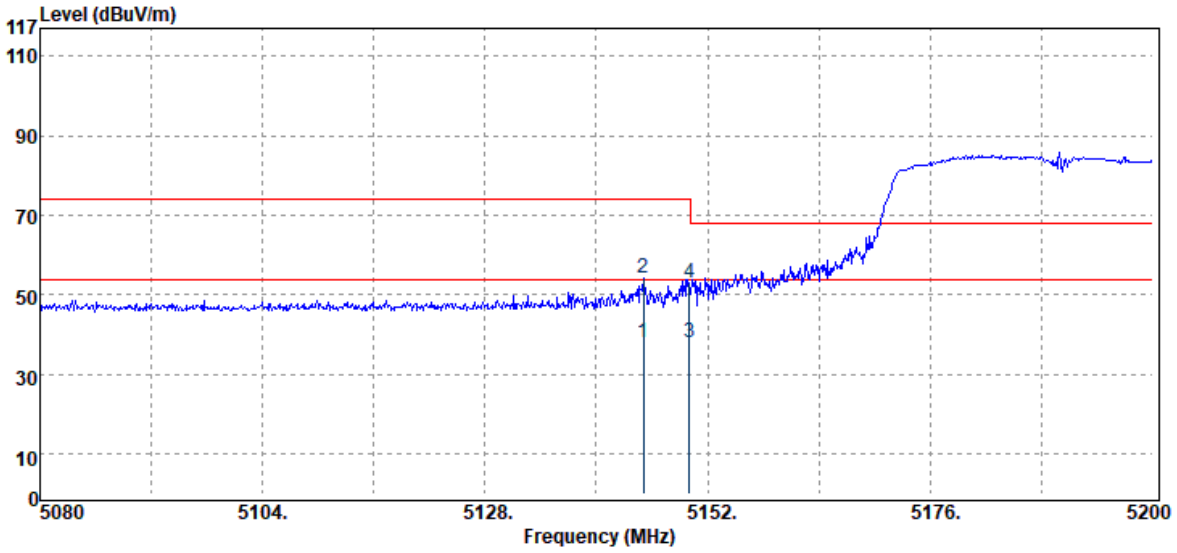
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	47.76	8.93	56.69	122.20	-65.51
5855.00	Peak	46.10	8.93	55.03	110.80	-55.77
5856.68	Peak	45.69	8.92	54.61	110.33	-55.72
5875.00	Peak	38.72	8.89	47.61	105.20	-57.59
5883.03	Peak	41.12	8.87	49.99	99.26	-49.27
5925.00	Peak	38.78	8.84	47.62	68.20	-20.58

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-28
Test Frequency	:5190 MHz	Temp./Humi.	:28.6/68
Test Mode	:Bandedge CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



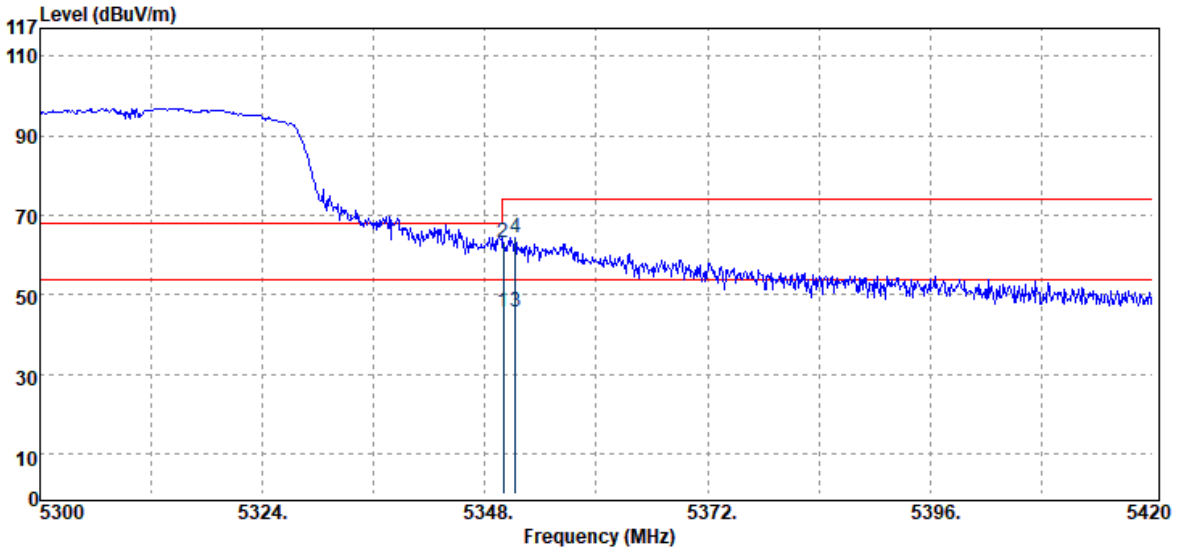
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5149.00	Average	36.48	7.82	44.30	54.00	-9.70
5149.00	Peak	57.05	7.82	64.87	74.00	-9.13
5150.00	Average	35.45	7.82	43.27	54.00	-10.73
5150.00	Peak	54.62	7.82	62.44	74.00	-11.56

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-28
Test Frequency	:5190 MHz	Temp./Humi.	:28.6/68
Test Mode	:Bandedge CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



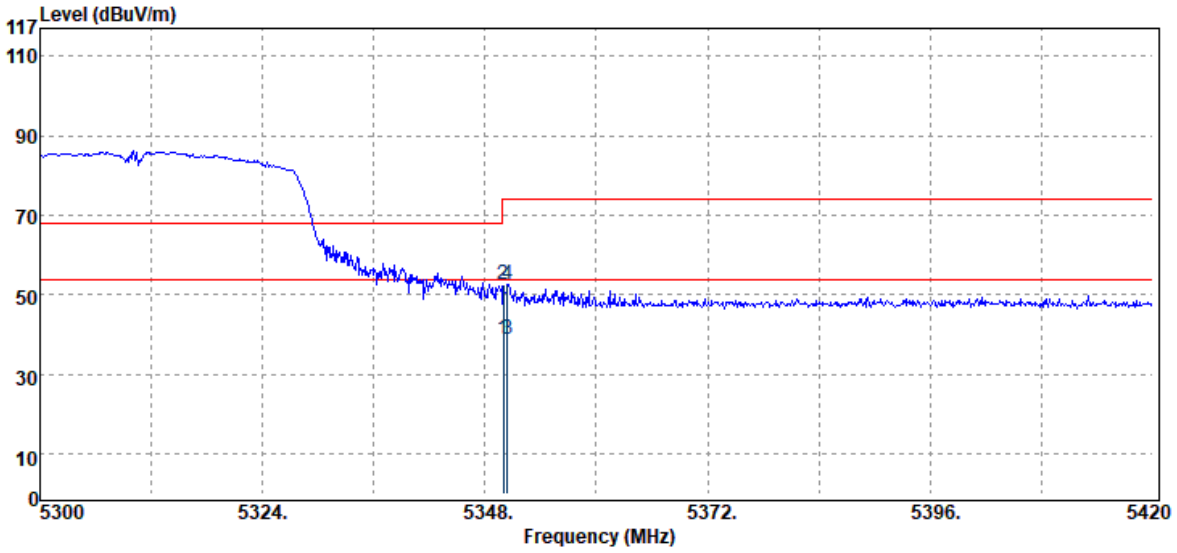
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5145.04	Average	30.38	7.82	38.20	54.00	-15.80
5145.04	Peak	46.23	7.82	54.05	74.00	-19.95
5150.00	Average	30.23	7.82	38.05	54.00	-15.95
5150.00	Peak	45.18	7.82	53.00	74.00	-21.00

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-28
Test Frequency	:5310 MHz	Temp./Humi.	:28.6/68
Test Mode	:Bandedge CH High	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



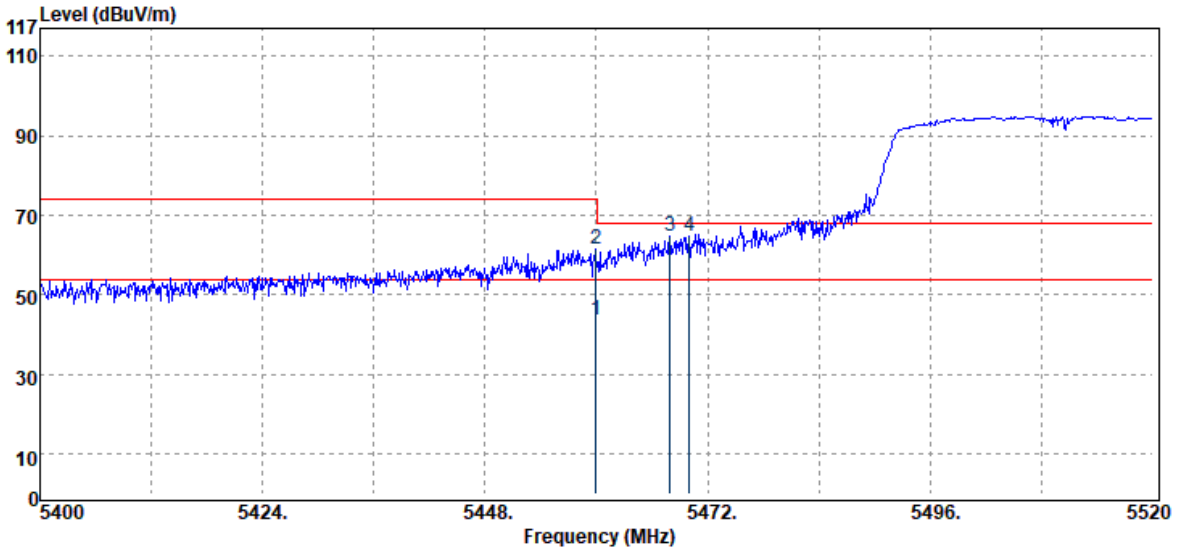
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Average	37.16	8.67	45.83	54.00	-8.17
5350.00	Peak	54.49	8.67	63.16	74.00	-10.84
5351.24	Average	37.17	8.69	45.86	54.00	-8.14
5351.24	Peak	55.76	8.69	64.45	74.00	-9.55

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-28
Test Frequency	:5310 MHz	Temp./Humi.	:28.6/68
Test Mode	:Bandedge CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



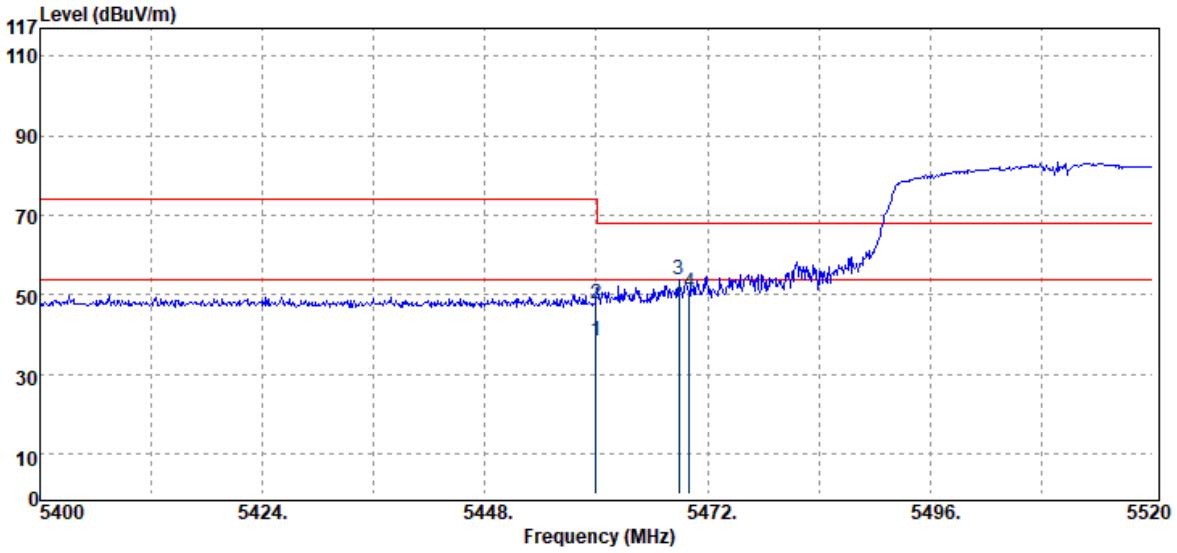
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5350.00	Average	30.04	8.67	38.71	54.00	-15.29
5350.00	Peak	44.08	8.67	52.75	74.00	-21.25
5350.40	Average	30.23	8.67	38.90	54.00	-15.10
5350.40	Peak	44.08	8.67	52.75	74.00	-21.25

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-28
Test Frequency	:5510 MHz	Temp./Humi.	:28.6/68
Test Mode	:Bandedge CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



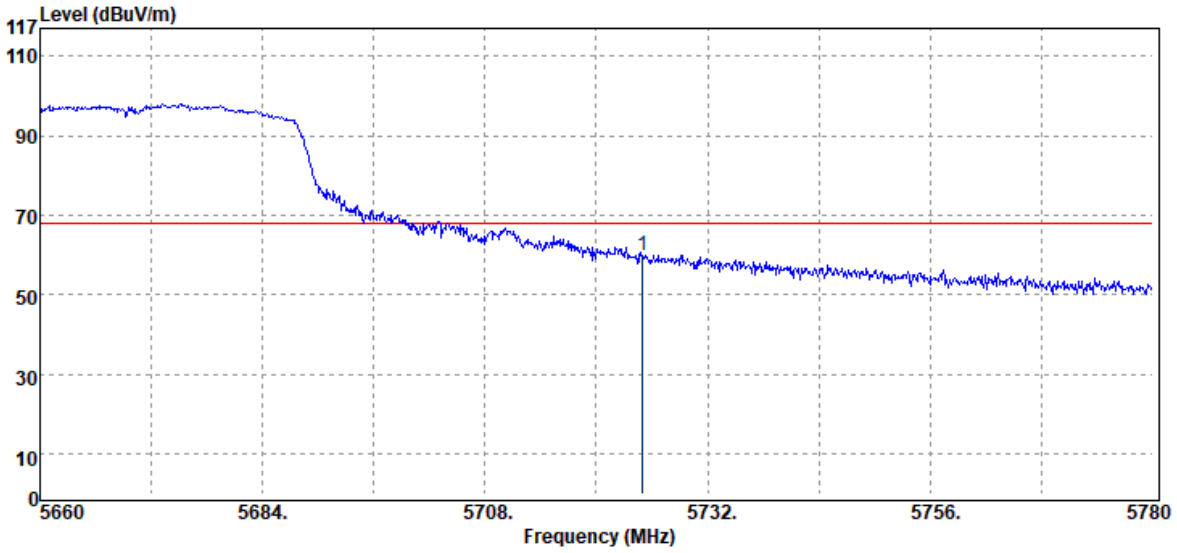
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Average	35.15	8.65	43.80	54.00	-10.20
5460.00	Peak	52.97	8.65	61.62	74.00	-12.38
5467.92	Peak	56.25	8.61	64.86	68.20	-3.34
5470.00	Peak	56.12	8.59	64.71	68.20	-3.49

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-28
Test Frequency	:5510 MHz	Temp./Humi.	:28.6/68
Test Mode	:Bandedge CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



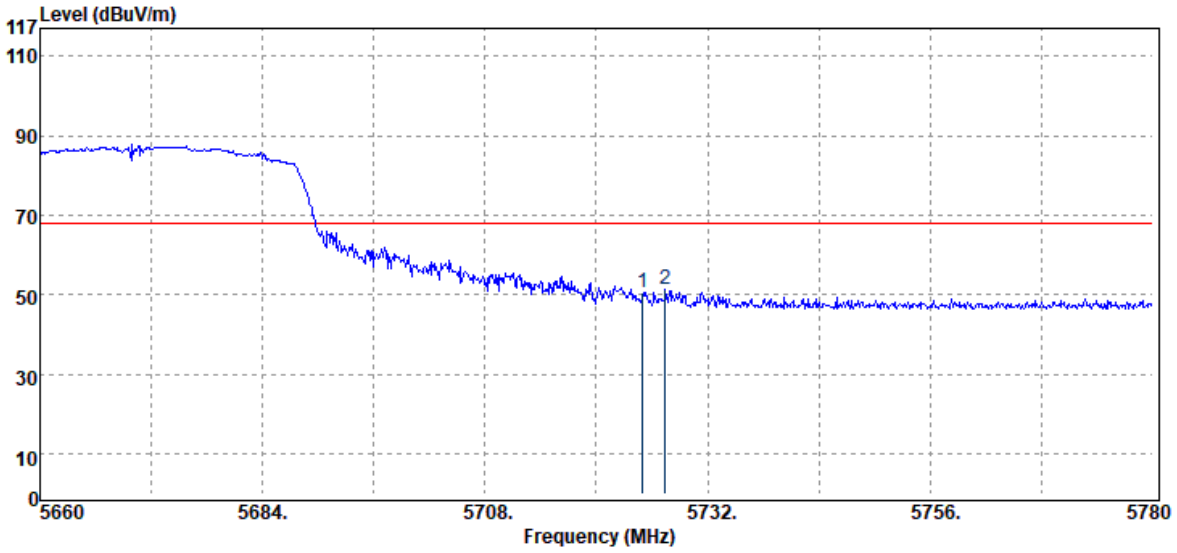
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5460.00	Average	29.82	8.65	38.47	54.00	-15.53
5460.00	Peak	39.18	8.65	47.83	74.00	-26.17
5468.88	Peak	45.03	8.61	53.64	68.20	-14.56
5470.00	Peak	42.21	8.59	50.80	68.20	-17.40

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-28
Test Frequency	:5670 MHz	Temp./Humi.	:28.6/68
Test Mode	:Bandedge CH High	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



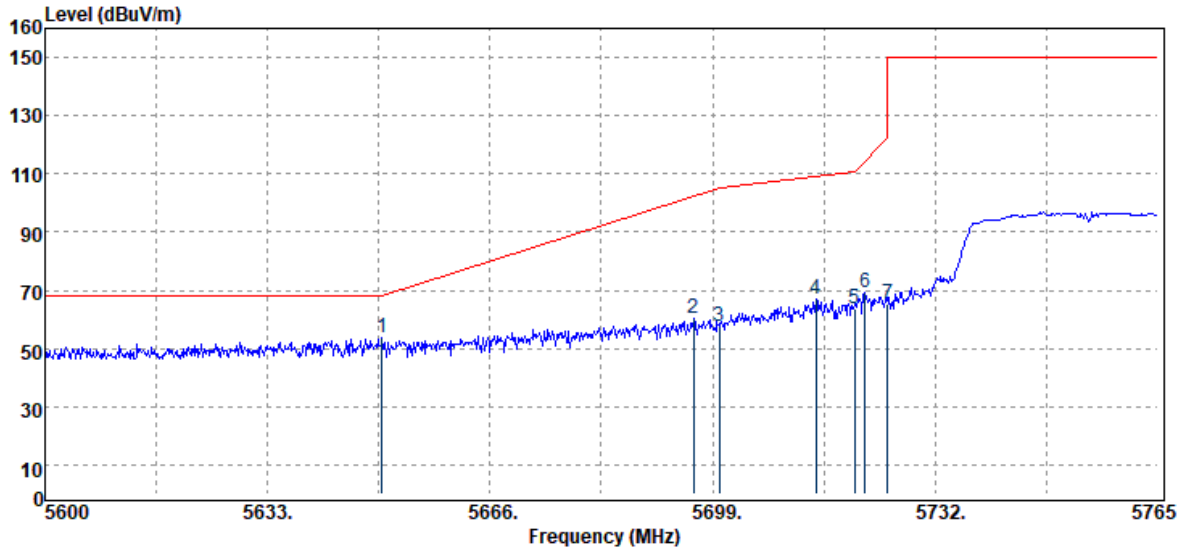
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	51.47	8.42	59.89	68.20	-8.31

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-28
Test Frequency	:5670 MHz	Temp./Humi.	:28.6/68
Test Mode	:Bandedge CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



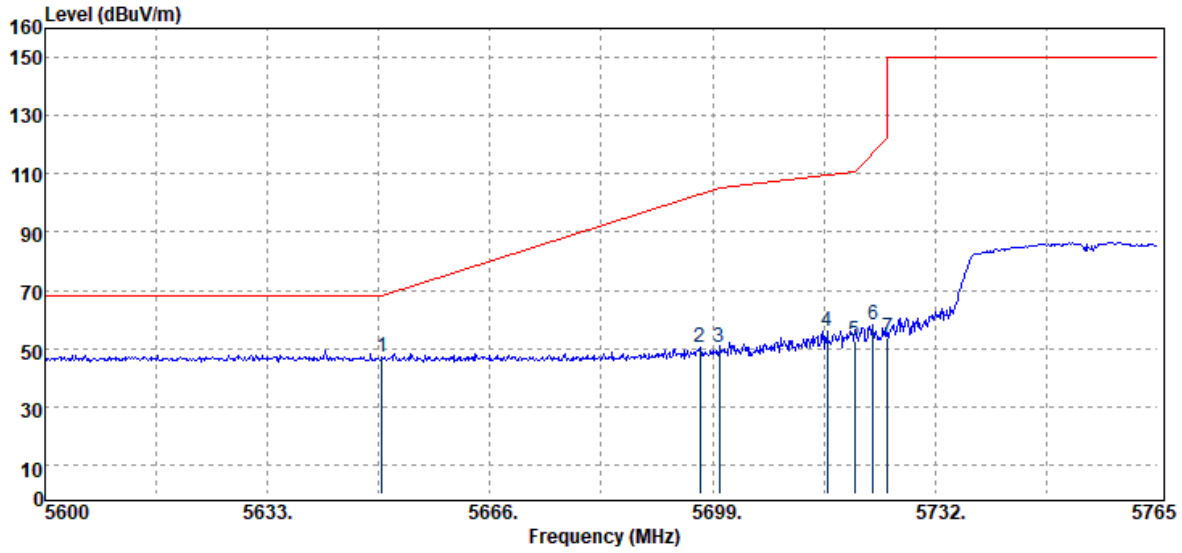
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	42.17	8.42	50.59	68.20	-17.61
5727.44	Peak	43.04	8.43	51.47	68.20	-16.73

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-28
Test Frequency	:5755 MHz	Temp./Humi.	:28.6/68
Test Mode	:Bandedge CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



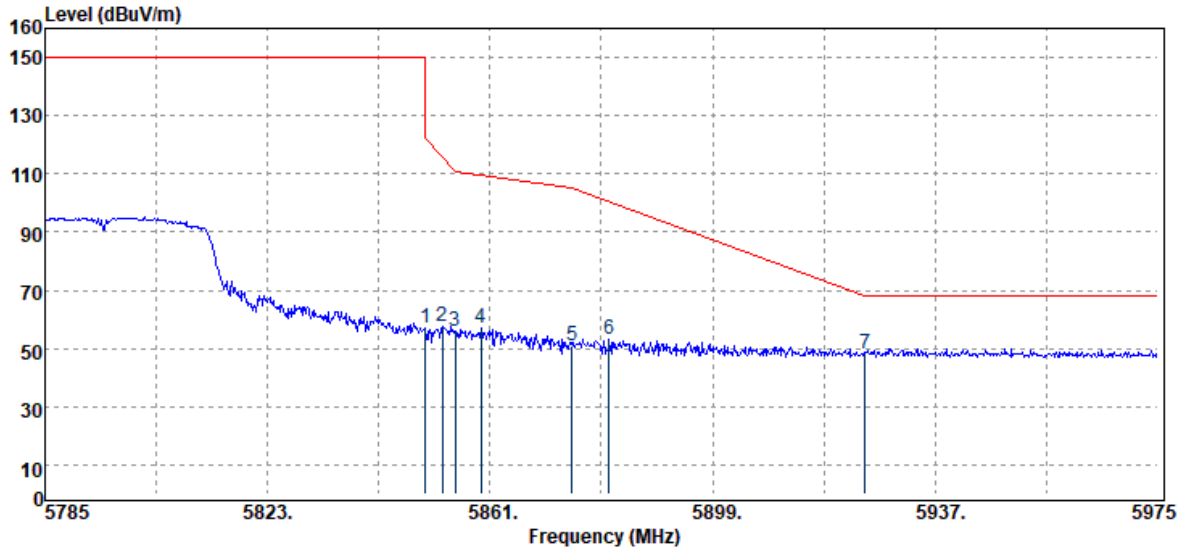
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	45.69	7.80	53.49	68.20	-14.71
5696.20	Peak	51.84	8.23	60.07	102.38	-42.31
5700.00	Peak	49.52	8.25	57.77	105.20	-47.43
5714.35	Peak	58.41	8.35	66.76	109.22	-42.46
5720.00	Peak	55.34	8.39	63.73	110.80	-47.07
5721.61	Peak	60.59	8.39	68.98	114.46	-45.48
5725.00	Peak	56.90	8.42	65.32	122.20	-56.88

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-28
Test Frequency	:5755 MHz	Temp./Humi.	:28.6/68
Test Mode	:Bandedge CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



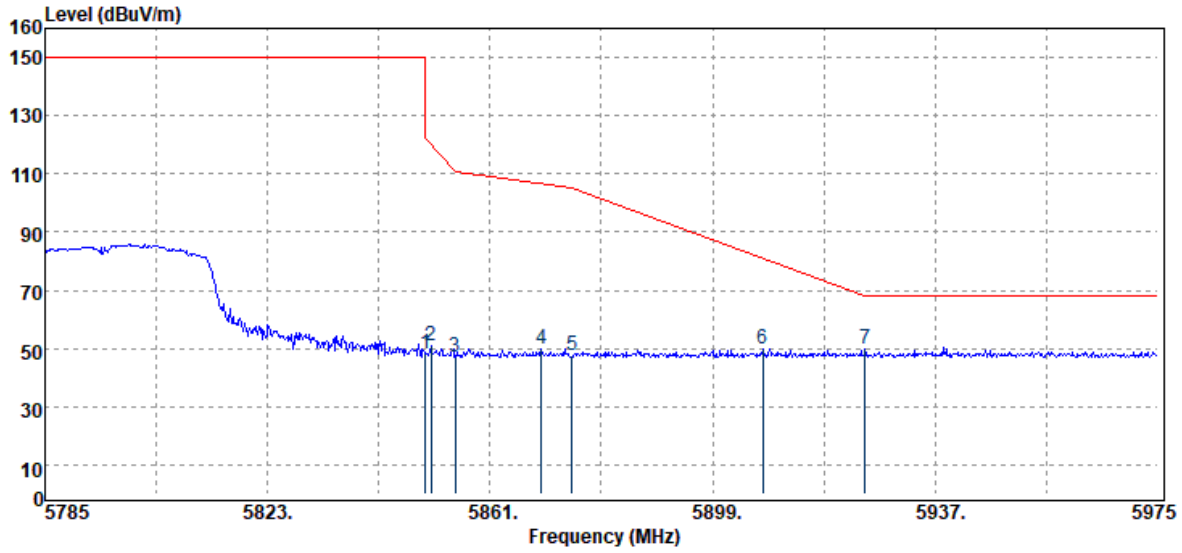
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5650.00	Peak	39.01	7.80	46.81	68.20	-21.39
5697.19	Peak	42.36	8.22	50.58	103.12	-52.54
5700.00	Peak	42.28	8.25	50.53	105.20	-54.67
5716.00	Peak	47.67	8.36	56.03	109.68	-53.65
5720.00	Peak	44.35	8.39	52.74	110.80	-58.06
5722.76	Peak	49.72	8.41	58.13	117.09	-58.96
5725.00	Peak	45.46	8.42	53.88	122.20	-68.32

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-28
Test Frequency	:5795 MHz	Temp./Humi.	:28.6/68
Test Mode	:Bandedge CH High	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	48.34	8.93	57.27	122.20	-64.93
5852.83	Peak	48.68	8.93	57.61	115.75	-58.14
5855.00	Peak	46.82	8.93	55.75	110.80	-55.05
5859.48	Peak	48.20	8.92	57.12	109.55	-52.43
5875.00	Peak	41.96	8.89	50.85	105.20	-54.35
5881.33	Peak	44.36	8.88	53.24	100.52	-47.28
5925.00	Peak	39.31	8.84	48.15	68.20	-20.05

Report Number	:ER/2021/60012	Test Site	:SAC I Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-28
Test Frequency	:5795 MHz	Temp./Humi.	:28.6/68
Test Mode	:Bandedge CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Neo Tsai



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	38.97	8.93	47.90	122.20	-74.30
5850.93	Peak	42.27	8.94	51.21	120.08	-68.87
5855.00	Peak	38.33	8.93	47.26	110.80	-63.54
5869.74	Peak	40.90	8.90	49.80	106.67	-56.87
5875.00	Peak	38.66	8.89	47.55	105.20	-57.65
5907.55	Peak	40.92	8.85	49.77	81.11	-31.34
5925.00	Peak	40.83	8.84	49.67	68.20	-18.53

~ End of Report ~