

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

CLASS II & IV PC REPORT

OF

Applicant: Qualcomm Atheros, Inc.
1700 Technology Drive, San Jose, CA 95110

Product Name: 2x2 802.11A/B/G/N/AC WiFi + Bluetooth Module

Brand Name: Qualcomm Atheros

Model No.: QCNFA324

Model Difference: N/A

Report Number: ER/2020/A0069

FCC ID HLZ-QCNFA324

IC: 1754F-QCNFA324

FCC Rule Part: §15.407, Cat: NII

ISED RSS: RSS-247 issue 2 Feb. 2017

Issue Date: December 21, 2020

Date of Test: October 22, 2020 - November 17, 2020

Date of EUT Received: October 22, 2020

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 tested as described in this report is in compliance with conducted and radiated emission limits.

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

Approved By: _____



Jim Chang / Manager



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Revision History

Report Number	Revision	Description	Issue Date	Remark
ER/2020/A0069	Rev.00	Original.	December 21, 2020	Revised By: Violetta Tang

Note:

1、Disclaimer

Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.

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1 GENERAL INFORMATION

1.1 Product Description

Product Name:	Notebook Computer
Brand Name:	<i>acer</i>
Model No. of FCC Host:	N20Q9
Model No. of IC Host:	C722, C722T
Model Difference:	For Marketing Purpose
Hardware Version:	N/A
Software Version:	N/A
EUT Series No.:	N8A6UWW001036116907600
Model No. of BT/WLAN Module:	QCNFA324
Class II & Class IV Permissive change:	2x2 802.11A/B/G/N/AC WiFi + Bluetooth Module INSTALLED IN Notebook Computer
Power Supply:	11.4Vdc from Rechargeable Li-polymer Battery or 5 / 9 / 12 / 15 / 20Vdc from AC/DC Adapter
Transition Rate:	802.11 a: 6/9/12/18/24/36/48/54 Mbps 802.11 n_20MHz: 6.5 – 144.4Mbps 802.11 n_40MHz: 13.5 – 300.0Mbps 802.11 ac_20MHz: 6.5 – 173.3Mbps 802.11 ac_40MHz: 13.5 – 400.0Mbps 802.11 ac_80MHz: 29.3 – 866.7Mbps

1.2 Antenna Designation

Antenna Type	Supplier	Main / Aux	Antenna Part No.	Freq. (MHz)	Peak Antenna Gain (dBi)	Worst Antenna Gain
PIFA	WNC	Main	N/A	5150~5250	0.41	
				5250~5350	0.41	
				5470~5725	0.15	V
				5725~5850	0.9	V
		Aux		5150~5250	1.41	V
				5250~5350	1.41	V
				5470~5725	-0.19	
				5725~5850	-1.26	

Note: Pre-scanned was done on the above 2 antennas, the MIMO mode results higher emission at 5GHz. Therefore, the completed set of measurement was done on the antenna to be presented on this test report.

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1.3 FCC worst power

Wi-Fi 802.11	Frequency Range	Channels	Rated Power (Avg.) (dBm) (Worst case)	Modulation Technology
a	5150~5250	4	19.00	OFDM
	5250~5350	4	18.70	
	5470~5725	12	17.90	
	5725-5850	5	17.89	
n_HT ac_VHT 20M	5150~5250	4	HT: 17.72	OFDM
	5250~5350	4	HT: 17.75	
	5470~5725	12	HT: 16.70	
	5725-5850	5	HT: 17.25	
n_HT ac_VHT 40M	5150~5250	2	HT: 16.33	OFDM
	5250~5350	2	HT: 16.29	
	5470~5725	5	HT: 16.13	
	5725-5850	2	HT: 15.76	
ac_VHT 80M	5150~5250	1	10.27	OFDM
	5250~5350	1	11.67	
	5470~5725	2	16.41	
	5725-5850	1	13.55	

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1.4 ISED worst power

Wi-Fi 802.11	Frequency Range	Channels	Avg. or EIRP	Rated Power(dBm) (Worst Case)	Modulation Technology
11a	5150~5250	4	EIRP	19.94	OFDM
	5250~5350	4	Avg.	18.70	
	5470~5725	12	Avg.	17.90	
	5725-5850	5	Avg.	17.89	
n_HT ac_VHT 20M	5150~5250	4	EIRP	HT: 18.66	OFDM
	5250~5350	4	Avg.	HT: 17.75	
	5470~5725	12	Avg.	HT: 16.70	
	5725-5850	5	Avg.	HT: 17.25	
n_HT ac_VHT 40M	5150~5250	2	EIRP	HT: 17.27	OFDM
	5250~5350	2	Avg.	HT: 16.29	
	5470~5725	6	Avg.	HT: 16.13	
	5725-5850	2	Avg.	HT: 15.76	
ac_VHT 80M	5150~5250	1	EIRP	11.21	OFDM
	5250~5350	1	Avg.	11.67	
	5470~5725	2	Avg.	16.41	
	5725-5850	1	Avg.	13.55	

Note:

As per guidance in presentation 2018-04-10-03 IC Certification updates of April 2018 TCB workshop, Client (Slave mode) devices without active scanning function, but with the capability of operating in 5600-5650 MHz solely under the control of a certified master device meeting the requirement of RSS-247, are allowed in Canada.

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1.5 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 1, March 2019
ANSI C63.10:2013

1.6 Test Facility

SGS Taiwan Ltd. Central RF Lab (TAF code 3702)
No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan
24803
FCC Designation number: TW0027
ISED CAB identifier: TW3702

1.7 Special Accessories

There are no special accessories used while test was conducted.

1.8 Equipment Modifications

There was no modification incorporated into the EUT.

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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 Conducted Test (RF)

The active antenna port of the unlicensed wireless device is connected to the spectrum analyzer with attenuator to protect the instrumentation. If a second antenna port is available, it is tested at one operating frequency, with other port(s) appropriately terminated, to verify it has similar output characteristics as the fully tested port.

2.3.2 Radiated Emissions

The EUT is 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.

2.4.2 For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level.

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2.5 Configuration of Tested System
Fig. 2-1 Radiated Emission

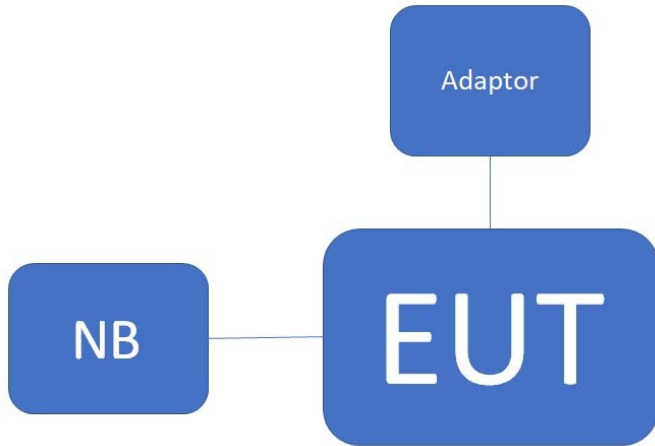


Fig. 2-2 Conducted (Antenna Port)

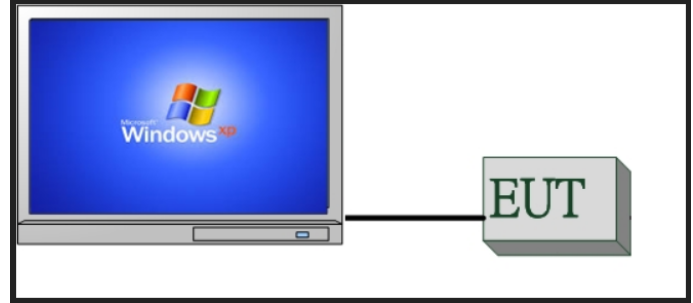


Table 2-1 Equipment Used in Tested System

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
2	Notebook	Lenovo	L430	PK-126TN	N/A	N/A
3	USB-RJ45 Cable	abio	CA-USB-RJ45B	N/A	N/A	N/A

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3 SUMMARY OF TEST RESULT

FCC Rules	IC Rules	Description Of Test	Result
§15.407(a)	RSS-247 §6.2.1~ 4 (1)	Maximum Conducted Output Power	Compliant
§15.205 §15.209 §15.407(b)	RSS-247 §6.2.1~ 4 (2)	Undesirable Radiated Emissions	Compliant

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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		40 M		80 M	
CH	Freq (MHz)	CH	Freq (MHz)	CH	Freq (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

Operated band in 5250 MHz ~5350 MHz

20 M		40 M		80 M	
CH	Freq (MHz)	CH	Freq (MHz)	CH	Freq (MHz)
52	5260	54	5270	58	5290
56	5280	62	5310		
60	5300				
64	5320				

Operated band in 5470 MHz ~5725 MHz:

20 M		40 M		80 M	
CH	Freq (MHz)	CH	Freq (MHz)	CH	Freq (MHz)
100	5500	102	5510	106	5530
104	5520	110	5550	122	5610
108	5540	118	5590	138	5690
112	5560	126	5630		
116	5580	134	5670		
120	5600	142	5710		
124	5620				
128	5640				
132	5660				
136	5680				
140	5700				
144	5720				

Operated band in 5745 MHz ~5850 MHz

20		40		80 M	
CH	Freq (MHz)	CH	Freq (MHz)	CH	Freq (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795		
157	5785				
161	5805				
165	5825				

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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
	Ch0	Ch1	Ch2	Ch3		
<input checked="" type="checkbox"/> 802.11 a	<input checked="" type="checkbox"/> Ch0	<input checked="" type="checkbox"/> Ch1	<input type="checkbox"/> Ch2	<input type="checkbox"/> Ch3	<input type="checkbox"/> 1TX	<input checked="" type="checkbox"/> 2TX
<input checked="" type="checkbox"/> 802.11 n	<input checked="" type="checkbox"/> Ch0	<input checked="" type="checkbox"/> Ch1	<input type="checkbox"/> Ch2	<input type="checkbox"/> Ch3	<input type="checkbox"/> SISO	<input checked="" type="checkbox"/> MIMO
<input checked="" type="checkbox"/> 802.11 ac	<input checked="" type="checkbox"/> Ch0	<input checked="" type="checkbox"/> Ch1	<input type="checkbox"/> Ch2	<input type="checkbox"/> Ch3	<input type="checkbox"/> SISO	<input checked="" type="checkbox"/> 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.

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4.2.1 RADIATED EMISSION TEST:

RADIATED EMISSION TEST (BELOW 1 GHz)						
MODE	FREQUENCY BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	AN-TENNA PORT
802.11a	5180~5240	36 to 48	44	OFDM	6	2TX
	5260~5320	52 to 64	60			
	5500~5720	100 to 144	116			
	5745~5825	149 to 165	157			
802.11ac_VHT80	5210	42	42		MCS0	MIMO
	5290	58	58			
	5530~5690	106 to 138	122			
	5775	155	155			

RADIATED EMISSION TEST (ABOVE 1 GHz)						
MODE	FREQUENCY BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	AN-TENNA PORT
802.11a	5180~5240	36 to 48	36,44,48	OFDM	6	2TX
	5260~5320	52 to 64	52,60,64			
	5500~5720	100 to 144	100,116,140,144			
	5745~5825	149 to 165	149,157,165			
802.11n_HT20	5180~5240	36 to 48	36,44,48		MCS8	MIMO
	5260~5320	52 to 64	52,60,64			
	5500~5720	100 to 144	100,116,140,144			
	5745~5825	149 to 165	149,157,165			
802.11n_HT40	5190~5230	38 to 46	38,46		MCS8	MIMO
	5270~5310	54 to 62	54,62			
	5510~5710	102 to 142	102,110,134,142			
	5755~5795	151 to 159	151,159			
802.11ac_VHT80	5210	42	42	MCS0	MIMO	
	5290	58	58			
	5530~5690	106 to 138	106,122,138			
	5775	155	155			

Note:

The field strength of radiation emission was measured as NB Plane for channel Low, Mid and High.

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4.2.2 ANTENNA PORT CONDUCTED MEASUREMENT:

CONDUCTED TEST						
MODE	FREQUENCY BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	AN-TENNA PORT
802.11a	5180~5240	36 to 48	36,44,48	OFDM	6	2TX
	5260~5320	52 to 64	52,60,64			
	5500~5720	100 to 144	100,116,140,144			
	5745~5825	149 to 165	149,157,165			
802.11n_HT20	5180~5240	36 to 48	36,44,48		MCS8	MIMO
	5260~5320	52 to 64	52,60,64			
	5500~5720	100 to 144	100,116,140,144			
	5745~5825	149 to 165	149,157,165			
802.11n_HT40	5190~5230	38 to 46	38,46		MCS8	MIMO
	5270~5310	54 to 62	54,62			
	5510~5710	102 to 142	102,110,134,142			
	5755~5795	151 to 159	151,159			
802.11ac_VHT80	5210	42	42	MCS0	MIMO	
	5290	58	58			
	5530~5690	106 to 138	106,122,138			
	5775	155	155			

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5 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty
The Maximum Output Power Measurement	+/- 0.96 dB
Temperature	+/- 0.65 °C
Humidity	+/- 4.6 %
DC / AC Power Source	DC= +/- 0.13%, AC= +/- 0.2%

Radiated Spurious Emission Measurement Uncertainty	
Polarization: Vertical	9kHz~30MHz: +2.3dB
	30MHz - 180MHz: +/- 3.37dB
	180MHz -417MHz: +/- 3.19dB
	0.417GHz-1GHz: +/- 3.19dB
	1GHz - 18GHz: +/- 4.04dB
	18GHz - 40GHz: +/- 4.04dB
Polarization: Horizontal	9kHz~30MHz: +2.3dB
	30MHz - 167MHz: +/- 4.22dB
	167MHz -500MHz: +/- 3.44dB
	0.5GHz-1GHz: +/- 3.39dB
	1GHz - 18GHz: +/- 4.08dB
	18GHz - 40GHz: +/- 4.08dB

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.

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6 MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

6.1 Standard Applicable

FCC

OPERZTION Band	EUT CATEGORY	LIMIT
U-NII-1	Access Point (Master device)	1 Watt(30dBm)
	Fixed point-to-point Access Ponit	1 Watt(30dBm)
	√ Mobile and portable client device	250mW(23.98dBm)
U-NII-2A	√	250mW(23.98dBm) or 11dBm+10 log B
U-NII-2C	√	250mW(23.98dBm) or 11dBm+10 log B
U-NII-3	√	1 Watt(30dBm)

If transmitting antennas of directional gain greater than 6 dBi are used, the Maximum transmit power shall be reduced by the amount in dB that the direction-al gain of the antenna exceeds 6 dBi.

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OPERZTION FREQUENCY BAND	LIMIT
5150~5250 MHz	EIRP shall not exceed 200 mW or $10 + 10 \log_{10}B$, dBm
5250~5350 MHz	Conducted output power shall not exceed 250 mW or $11 + 10 \log_{10}B$ EIRP shall not exceed 1.0 W or $17 + 10 \log_{10}B$, dBm
5470-5600 MHz and 5650-5725 MHz	Conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$ EIRP shall not exceed 1.0 W or $17 + 10 \log_{10}B$, dBm
5725~5850 MHz	Conducted output power shall not exceed 1 W

For equipment operating in the band **5725-5850** MHz, If transmitting antennas of directional gain greater than 6 dBi are used, the Maximum transmit power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

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Note:

As per section F. 2). e). (ii) of FCC KDB 662911 D01

If antenna gains are not equal and each transmit antenna is driven by only one spatial stream, directional gain may be calculated by either of the following formulas.

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

NSS = the number of independent spatial streams of data;

NANT = the total number of antennas

$g_{j,k}$ = / 20 10Gk if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

The antenna gain is not greater than 6 dBi. Therefore, reduction of power is not required.

6.2 Measurement Procedure

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules .
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power meter
4. Power Meter is used as the auxiliary test equipment to conduct the output power measurement.
5. Record the max. reading and add 10 log(1/duty cycle).
6. Repeat above procedures until all frequency (low, middle, and high channel) measured were complete.

6.3 Measurement Equipment Used

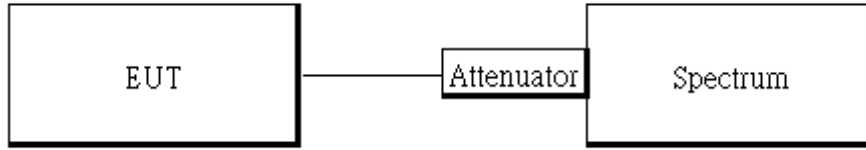
Conducted Emission Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Power Meter	Anritsu	ML2496A	1804001	02/20/2020	02/19/2021
Power Sensor	Anritsu	MA2411B	1726104	02/20/2020	02/19/2021
Power Sensor	Anritsu	MA2411B	1726107	02/20/2020	02/19/2021
Attenuator	Mini-Circuit	BW-S10W2+	2	01/02/2020	01/01/2021

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6.4 Test Set-up



6.5 Measurement Result

6.5.1 Conducted output power (FCC)

802.11a_2Tx

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			CH 0	CH 1				
36	5180	6	14.35	13.77	17.30	53.737	23.98	PASS
44	5220	6	15.54	14.84	18.44	69.777	23.98	PASS
48	5240	6	15.8	15.73	19.00	79.400	23.98	PASS
52	5260	6	15.39	15.55	18.70	74.196	23.98	PASS
60	5300	6	15.06	15.15	18.34	68.207	23.98	PASS
64	5320	6	13.4	13.06	16.47	44.324	23.98	PASS
100	5500	6	10.63	10.14	13.62	23.041	23.98	PASS
116	5580	6	15.33	13.88	17.90	61.635	23.98	PASS
140	5700	6	10.25	10.05	13.38	21.798	23.98	PASS
144	5720	6	11.94	11.56	14.98	31.510	23.98	PASS
149	5745	6	13.32	13.16	16.47	44.400	30	PASS
157	5785	6	14.48	14.83	17.89	61.540	30	PASS
165	5825	6	14.41	14.62	17.75	59.557	30	PASS

802.11n_HT20_MIMO

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			CH 0	CH 1				
36	5180	MCS0	13.71	13.51	16.89	48.867	23.98	PASS
44	5220	MCS0	14.07	13.71	17.17	52.152	23.98	PASS
48	5240	MCS0	14.47	14.42	17.72	59.212	23.98	PASS
52	5260	MCS0	14.54	14.41	17.75	59.628	23.98	PASS
60	5300	MCS0	13.52	14.06	17.08	51.020	23.98	PASS
64	5320	MCS0	13.01	13.73	16.66	46.387	23.98	PASS
100	5500	MCS0	8.19	7.59	11.18	13.120	23.98	PASS
116	5580	MCS0	13.96	12.81	16.70	46.795	23.98	PASS
140	5700	MCS0	7.72	6.45	10.41	10.991	23.98	PASS
144	5720	MCS0	10.77	10.43	13.88	24.455	23.98	PASS
149	5745	MCS0	12.93	12.99	16.24	42.064	30	PASS
157	5785	MCS0	13.42	13.77	16.88	48.725	30	PASS
165	5825	MCS0	13.77	14.16	17.25	53.069	30	PASS

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802.11ac_VHT20_MIMO

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			CH 0	CH 1				
36	5180	MCS0	13.53	13.34	16.81	47.956	23.98	PASS
44	5220	MCS0	13.89	13.58	17.11	51.407	23.98	PASS
48	5240	MCS0	14.29	14.22	17.63	57.910	23.98	PASS
52	5260	MCS0	14.36	14.21	17.66	58.319	23.98	PASS
60	5300	MCS0	13.31	13.88	16.98	49.851	23.98	PASS
64	5320	MCS0	12.81	13.55	16.57	45.375	23.98	PASS
100	5500	MCS0	8.02	7.38	11.08	12.836	23.98	PASS
116	5580	MCS0	13.8	12.73	16.67	46.455	23.98	PASS
140	5700	MCS0	7.53	6.27	10.32	10.760	23.98	PASS
144	5720	MCS0	10.53	10.21	13.74	23.677	23.98	PASS
149	5745	MCS0	12.77	12.82	16.17	41.376	30	PASS
157	5785	MCS0	13.2	13.62	16.79	47.725	30	PASS
165	5825	MCS0	13.58	14.01	17.17	52.152	30	PASS

802.11n_HT40_MIMO

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			CH 0	CH 1				
38	5190	MCS0	8.17	7.96	11.53	14.237	23.98	PASS
46	5230	MCS0	13.07	12.64	16.33	42.936	23.98	PASS
54	5270	MCS0	13	12.63	16.29	42.529	23.98	PASS
62	5310	MCS0	9.7	9.95	13.29	21.353	23.98	PASS
102	5510	MCS0	7.2	6.95	10.54	11.336	23.98	PASS
110	5550	MCS0	12.94	12.28	16.09	40.648	23.98	PASS
134	5670	MCS0	13.12	12.15	16.13	41.019	23.98	PASS
142	5710	MCS0	11.36	10.73	14.53	28.358	23.98	PASS
151	5755	MCS0	10.81	10.08	13.93	24.707	30	PASS
159	5795	MCS0	11.73	12.79	15.76	37.672	30	PASS

802.11ac_VHT40_MIMO

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			CH 0	CH 1				
38	5190	MCS0	7.91	7.76	11.50	14.129	23.98	PASS
46	5230	MCS0	12.82	12.36	16.26	42.281	23.98	PASS
54	5270	MCS0	12.75	12.31	16.20	41.695	23.98	PASS
62	5310	MCS0	9.32	9.65	13.15	20.670	23.98	PASS
102	5510	MCS0	6.97	6.45	10.38	10.922	23.98	PASS
110	5550	MCS0	12.61	12.03	15.99	39.765	23.98	PASS
134	5670	MCS0	12.92	11.86	16.09	40.622	23.98	PASS
142	5710	MCS0	11.12	10.45	14.47	27.978	23.98	PASS
151	5755	MCS0	10.52	9.77	13.83	24.135	30	PASS
159	5795	MCS0	11.53	12.38	15.64	36.653	30	PASS

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802.11ac_VHT80_MIMO

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			CH 0	CH 1				
42	5210	MCS0	6.65	5.78	10.27	10.643	23.98	PASS
58	5290	MCS0	7.43	7.85	11.68	14.720	23.98	PASS
106	5530	MCS0	5.44	5.07	9.29	8.498	23.98	PASS
122	5610	MCS0	13.05	11.58	16.41	43.762	23.98	PASS
138	5690	MCS0	9.84	8.77	13.37	21.718	23.98	PASS
155	5775	MCS0	9.14	9.86	13.55	22.641	30	PASS

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6.5.2 ISED EIRP

802.11a_2Tx

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	17.30	0.940	18.24	66.723	23.01	PASS
44	5220	18.44	0.940	19.38	86.639	23.01	PASS
48	5240	19.00	0.940	19.94	98.587	23.01	PASS
52	5260	18.70	0.940	19.64	92.126	30.00	PASS
60	5300	18.34	0.940	19.28	84.690	30.00	PASS
64	5320	16.47	0.940	17.41	55.035	30.00	PASS
100	5500	13.62	-0.020	13.60	22.935	30.00	PASS
116	5580	17.90	-0.020	17.88	61.352	30.00	PASS
140	5700	13.38	-0.020	13.36	21.698	30.00	PASS

802.11n_HT20_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	16.89	0.940	17.83	60.676	23.01	PASS
44	5220	17.17	0.940	18.11	64.755	23.01	PASS
48	5240	17.72	0.940	18.66	73.521	23.01	PASS
52	5260	17.75	0.940	18.69	74.037	30.00	PASS
60	5300	17.08	0.940	18.02	63.349	30.00	PASS
64	5320	16.66	0.940	17.60	57.596	30.00	PASS
100	5500	11.18	-0.020	11.16	13.060	30.00	PASS
116	5580	16.70	-0.020	16.68	46.580	30.00	PASS
140	5700	10.41	-0.020	10.39	10.940	30.00	PASS

802.11ac_VHT20_MMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	16.81	0.940	17.75	59.545	23.01	PASS
44	5220	17.11	0.940	18.05	63.829	23.01	PASS
48	5240	17.63	0.940	18.57	71.905	23.01	PASS
52	5260	17.66	0.940	18.60	72.411	30.00	PASS
60	5300	16.98	0.940	17.92	61.898	30.00	PASS
64	5320	16.57	0.940	17.51	56.340	30.00	PASS
100	5500	11.08	-0.020	11.06	12.777	30.00	PASS
116	5580	16.67	-0.020	16.65	46.241	30.00	PASS
140	5700	10.32	-0.020	10.30	10.710	30.00	PASS

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802.11n_HT40_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	11.53	0.940	12.47	17.677	23.01	PASS
46	5230	16.33	0.940	17.27	53.311	23.01	PASS
54	5270	16.29	0.940	17.23	52.806	30.00	PASS
62	5310	13.29	0.940	14.23	26.514	30.00	PASS
102	5510	10.54	-0.020	10.52	11.284	30.00	PASS
110	5550	16.09	-0.020	16.07	40.461	30.00	PASS
134	5670	16.13	-0.020	16.11	40.831	30.00	PASS

802.11ac_VHT40_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	11.50	0.940	12.44	17.543	23.01	PASS
46	5230	16.26	0.940	17.20	52.498	23.01	PASS
54	5270	16.20	0.940	17.14	51.771	30.00	PASS
62	5310	13.15	0.940	14.09	25.665	30.00	PASS
102	5510	10.38	-0.020	10.36	10.872	30.00	PASS
110	5550	15.99	-0.020	15.97	39.582	30.00	PASS
134	5670	16.09	-0.020	16.07	40.435	30.00	PASS

802.11ac_VHT80_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	10.27	0.940	11.21	13.215	23.01	PASS
58	5290	11.68	0.940	12.62	18.277	30.00	PASS
106	5530	9.29	-0.020	9.27	8.459	30.00	PASS

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6.5.3 Conducted output power (ISED)

802.11a_2Tx

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
52	5260	15.39	15.55	18.70	74.196	23.98	PASS
60	5300	15.06	15.15	18.34	68.207	23.98	PASS
64	5320	13.4	13.06	16.47	44.324	23.98	PASS
100	5500	10.63	10.14	13.62	23.041	23.98	PASS
116	5580	15.33	13.88	17.90	61.635	23.98	PASS
140	5700	10.25	10.05	13.38	21.798	23.98	PASS
144	5720	11.94	11.56	14.98	31.510	23.98	PASS
149	5745	13.32	13.16	16.47	44.400	30	PASS
157	5785	14.48	14.83	17.89	61.540	30	PASS
165	5825	14.41	14.62	17.75	59.557	30	PASS

802.11n_HT20_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
52	5260	14.54	14.41	17.75	59.628	23.98	PASS
60	5300	13.52	14.06	17.08	51.020	23.98	PASS
64	5320	13.01	13.73	16.66	46.387	23.98	PASS
100	5500	8.19	7.59	11.18	13.120	23.98	PASS
116	5580	13.96	12.81	16.70	46.795	23.98	PASS
140	5700	7.72	6.45	10.41	10.991	23.98	PASS
144	5720	10.77	10.43	13.88	24.455	23.98	PASS
149	5745	12.93	12.99	16.24	42.064	30	PASS
157	5785	13.42	13.77	16.88	48.725	30	PASS
165	5825	13.77	14.16	17.25	53.069	30	PASS

802.11ac_VHT20_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
52	5260	14.36	14.21	17.66	58.319	23.98	PASS
60	5300	13.31	13.88	16.98	49.851	23.98	PASS
64	5320	12.81	13.55	16.57	45.375	23.98	PASS
100	5500	8.02	7.38	11.08	12.836	23.98	PASS
116	5580	13.8	12.73	16.67	46.455	23.98	PASS
140	5700	7.53	6.27	10.32	10.760	23.98	PASS
144	5720	10.53	10.21	13.74	23.677	23.98	PASS
149	5745	12.77	12.82	16.17	41.376	30	PASS
157	5785	13.2	13.62	16.79	47.725	30	PASS
165	5825	13.58	14.01	17.17	52.152	30	PASS

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802.11n_HT40_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
54	5270	13	12.63	16.29	42.529	23.98	PASS
62	5310	9.7	9.95	13.29	21.353	23.98	PASS
102	5510	7.2	6.95	10.54	11.336	23.98	PASS
110	5550	12.94	12.28	16.09	40.648	23.98	PASS
134	5670	13.12	12.15	16.13	41.019	23.98	PASS
142	5710	11.36	10.73	14.53	28.358	23.98	PASS
151	5755	10.81	10.08	13.93	24.707	30	PASS
159	5795	11.73	12.79	15.76	37.672	30	PASS

802.11ac_VHT40_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
54	5270	12.75	12.31	16.20	41.695	23.98	PASS
62	5310	9.32	9.65	13.15	20.670	23.98	PASS
102	5510	6.97	6.45	10.38	10.922	23.98	PASS
110	5550	12.61	12.03	15.99	39.765	23.98	PASS
134	5670	12.92	11.86	16.09	40.622	23.98	PASS
142	5710	11.12	10.45	14.47	27.978	23.98	PASS
151	5755	10.52	9.77	13.83	24.135	30	PASS
159	5795	11.53	12.38	15.64	36.653	30	PASS

802.11ac_VHT80_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
58	5290	7.43	7.85	11.68	14.720	23.98	PASS
106	5530	5.44	5.07	9.29	8.498	23.98	PASS
122	5610	13.05	11.58	16.41	43.762	23.98	PASS
138	5690	9.84	8.77	13.37	21.718	23.98	PASS
155	5775	9.14	9.86	13.55	22.641	30	PASS

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7 UNDESIRABLE RADIATED EMISSION MEASUREMENT

7.1 Standard Applicable

7.1.1 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: 68.3 (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
<p>*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.</p>		

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

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7.1.2 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 (dB μ V/m) = 20 log Emission level (dB μ V/m)

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7.2 Measurement Equipment Used

966 Chamber					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Horn Antenna	Schwarzbeck	BBHA9170	184	12/25/2019	12/24/2020
Horn Antenna	Schwarzbeck	BBHA9120D	D803	12/20/2019	12/19/2020
Bi-log Antenna	TESEO	CBL 6112D	35242 & AT-N0555	01/13/2020	01/12/2021
Loop Antenna	ETS.LINDGREN	6502	148045	10/19/2020	10/18/2021
PXA Spectrum Analyzer	Agilent	N9030A	MY53120760	04/21/2020	04/20/2021
EMI Test Receiver	R&S	ESCI 7	100759	07/13/2020	07/12/2021
Pre-Amplifier	EMC Instruments	EMC184045B	980135	01/02/2020	01/01/2021
Pre-Amplifier	EMC Instruments	EMC051825	980152	01/02/2020	01/01/2021
Pre-Amplifier	HP	8447D	2944A09469	01/02/2020	01/01/2021
Attenuator	Mini-Circuit	BW-S10W2+	4	01/02/2020	01/01/2021
High Pass Filter	WI	WHKX4.0/18G-10SS	22	01/02/2020	01/01/2021
Coaxial Cable	Huber Suhner	succoflex 102	MY2622/2	01/02/2020	01/01/2021
Coaxial Cable	Huber Suhner	succoflex 104A	800086/4a	01/02/2020	01/01/2021
Coaxial Cable	Huber Suhner	EMC 104-SM-SM-2000	160123	01/02/2020	01/01/2021

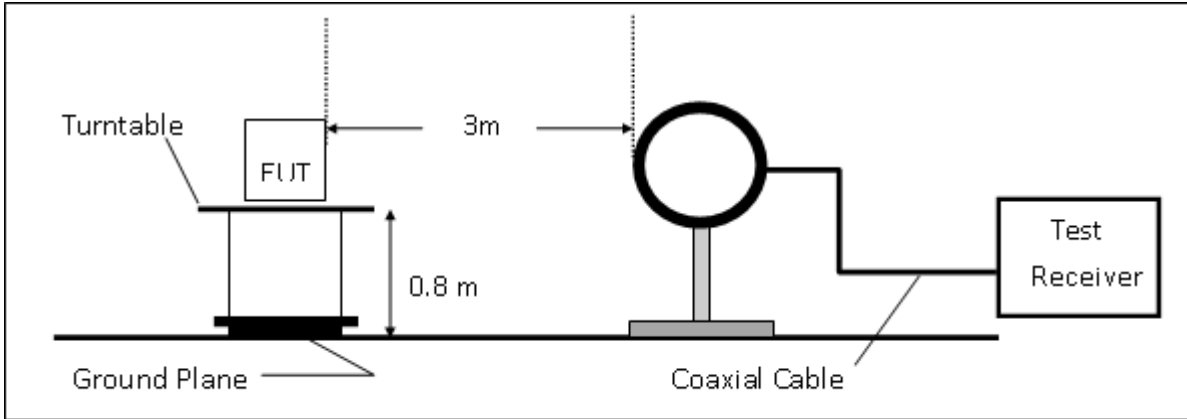
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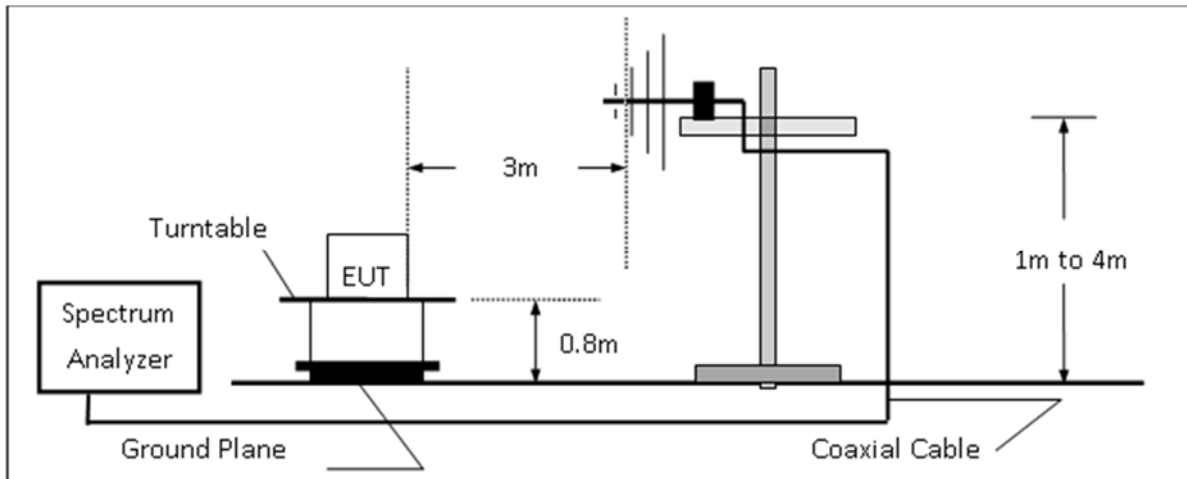
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7.3 Test SET-UP

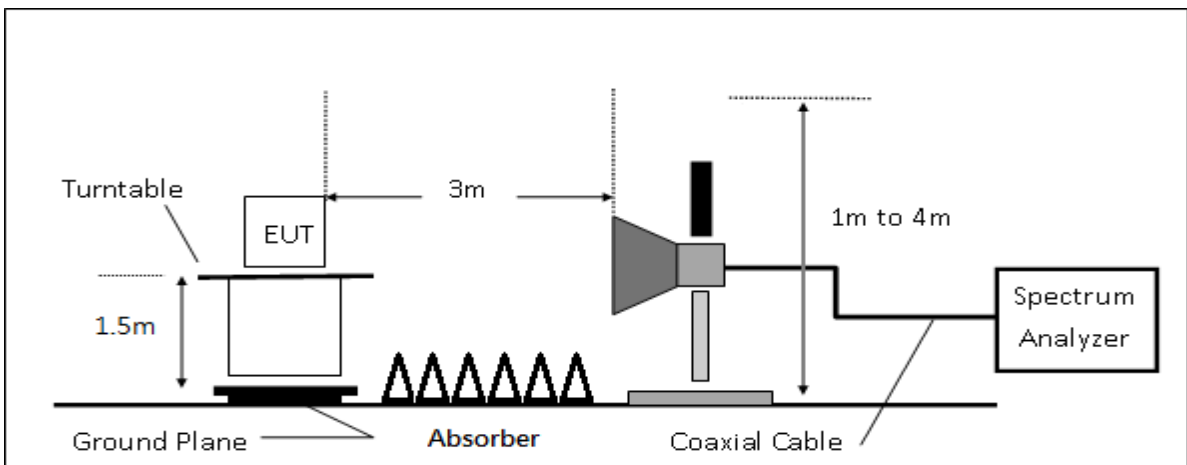
(A) Radiated Emission Test Set-UP Frequency Below 30MHz.



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



(C) Radiated Emission Test Set-UP Frequency Over 1 GHz



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7.4 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.

7.5 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 $20 \cdot \log(uV/m)$

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

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

7.6 Test Results of Radiated Spurious Emissions form 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.

Pre-scanned was done at frequency 5.47 GHz and 5.85 GHz for bandedge measurement of straddle channels 138, 142 and 144 which was 20dB lower than the limit per 15.31(o) & RSS-GEN §6.13.2 was not reported.

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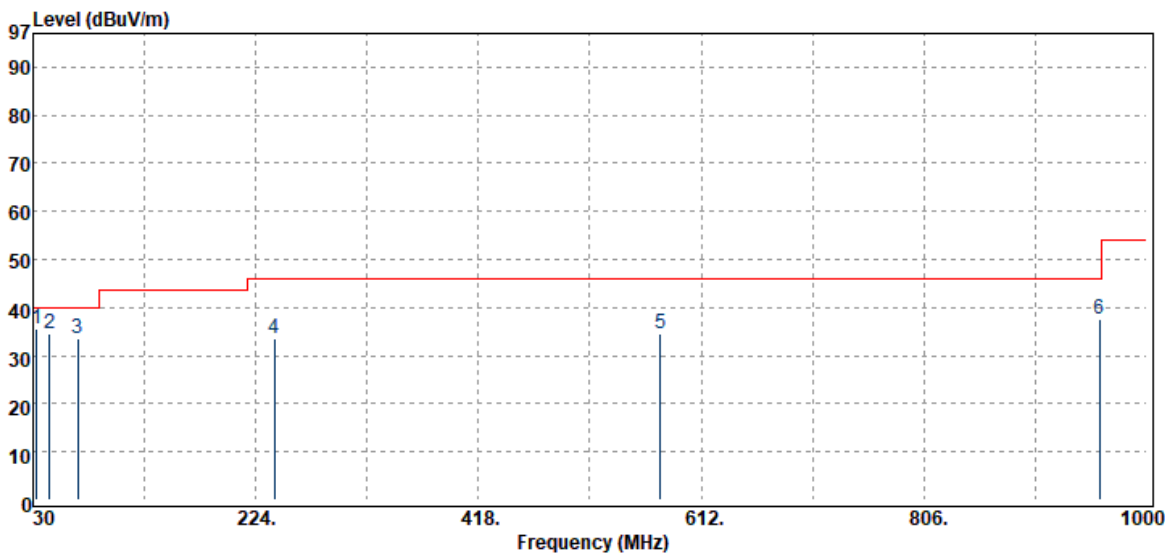
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7.7 Radiated Spurious Emission Measurement Result

7.7.1 Below 1GHz Worst-Case Data:

Report Number	:ER/2020/A0069	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2020-11-07
Test Frequency	:5220 MHz	Temp./Humi.	:22.8/74
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
32.91	Peak	41.86	-6.15	35.71	40.00	-4.29
44.55	Peak	47.06	-12.35	34.71	40.00	-5.29
68.80	Peak	50.77	-17.22	33.55	40.00	-6.45
240.49	Peak	43.56	-10.12	33.44	46.00	-12.56
576.11	Peak	38.85	-4.42	34.43	46.00	-11.57
959.26	Peak	36.06	1.64	37.70	46.00	-8.30

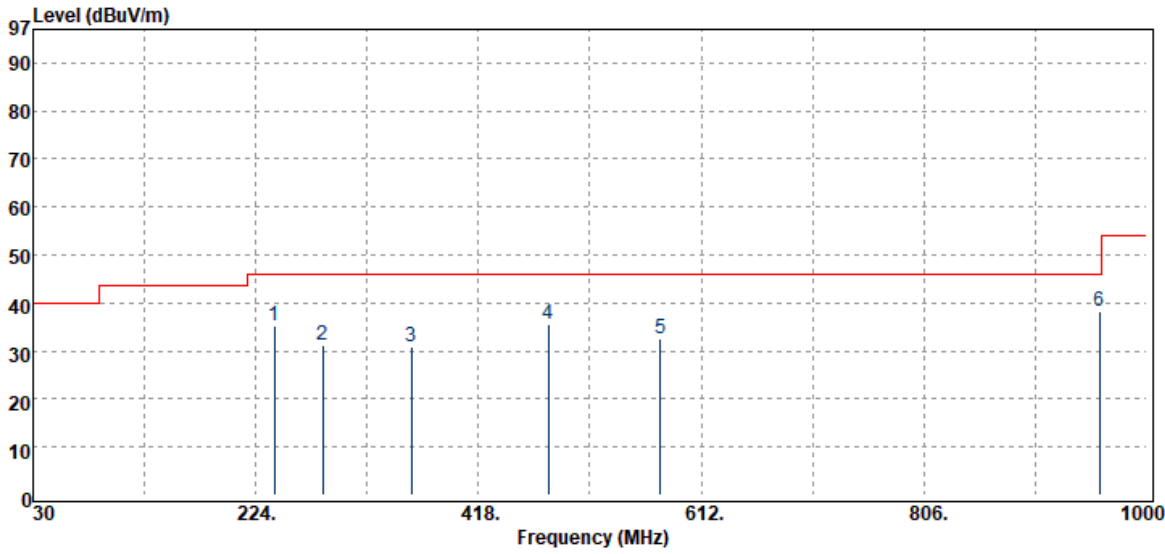
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5220 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
240.49	Peak	45.35	-10.12	35.23	46.00	-10.77
282.20	Peak	40.12	-8.78	31.34	46.00	-14.66
359.80	Peak	37.80	-6.82	30.98	46.00	-15.02
479.11	Peak	41.07	-5.37	35.70	46.00	-10.30
576.11	Peak	36.90	-4.42	32.48	46.00	-13.52
959.26	Peak	36.51	1.64	38.15	46.00	-7.85

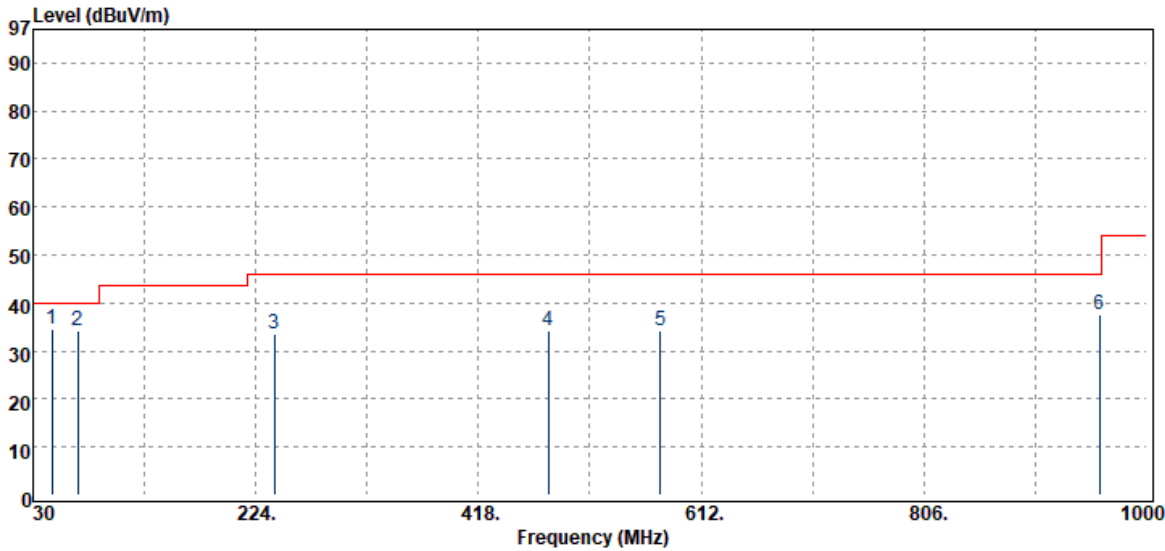
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5300 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
46.49	Peak	48.04	-13.38	34.66	40.00	-5.34
68.80	Peak	51.49	-17.22	34.27	40.00	-5.73
240.49	Peak	43.61	-10.12	33.49	46.00	-12.51
479.11	Peak	39.67	-5.37	34.30	46.00	-11.70
576.11	Peak	38.61	-4.42	34.19	46.00	-11.81
959.26	Peak	35.86	1.64	37.50	46.00	-8.50

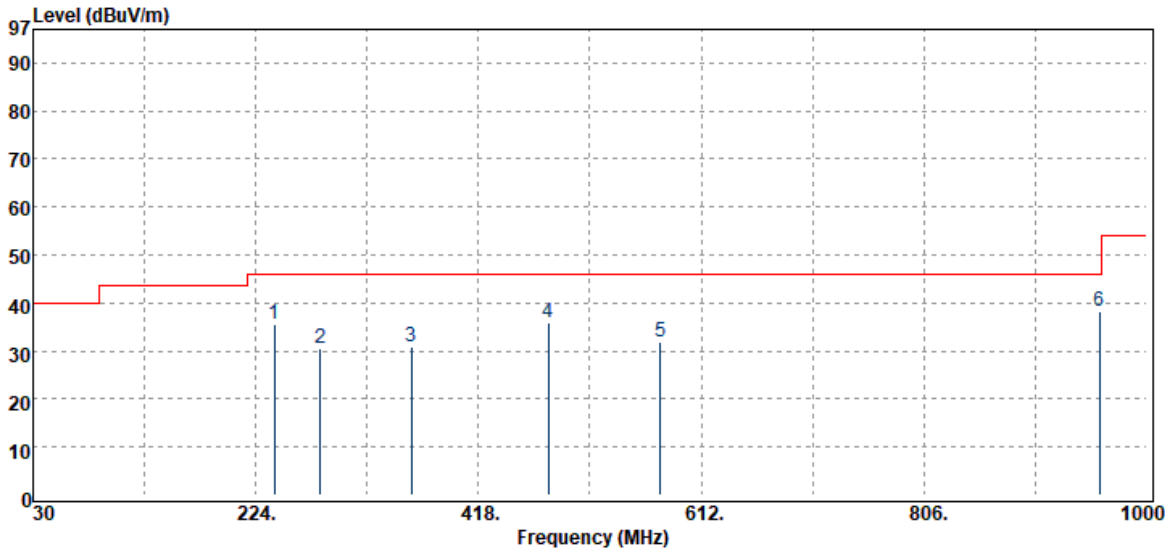
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5300 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
240.49	Peak	45.64	-10.12	35.52	46.00	-10.48
280.26	Peak	39.21	-8.81	30.40	46.00	-15.60
359.80	Peak	37.82	-6.82	31.00	46.00	-15.00
479.11	Peak	41.18	-5.37	35.81	46.00	-10.19
576.11	Peak	36.14	-4.42	31.72	46.00	-14.28
959.26	Peak	36.70	1.64	38.34	46.00	-7.66

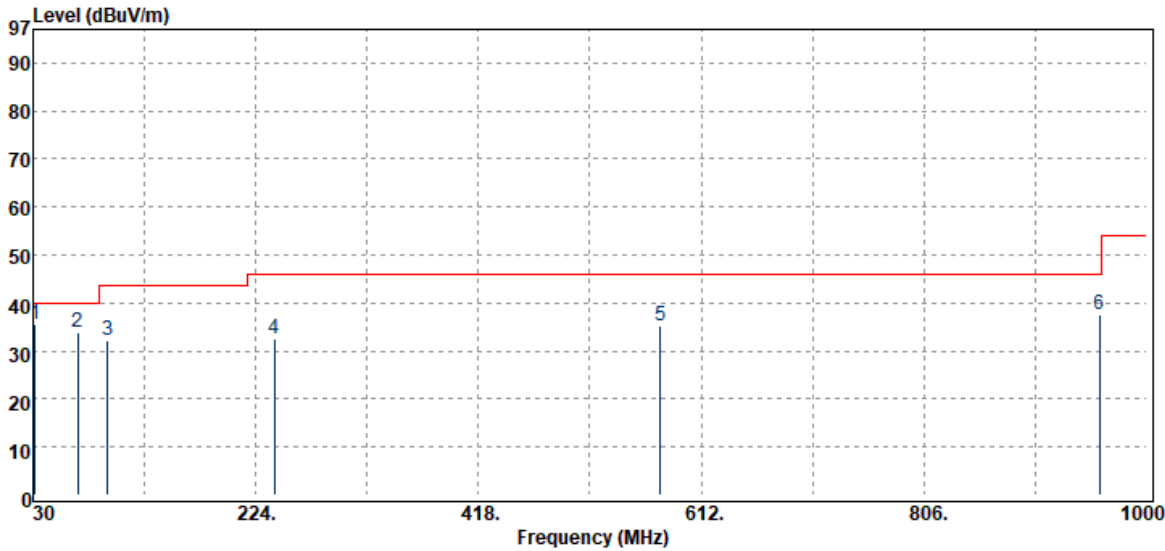
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5580 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
31.94	Peak	40.98	-5.32	35.66	40.00	-4.34
68.80	Peak	51.15	-17.22	33.93	40.00	-6.07
94.99	Peak	45.46	-13.37	32.09	43.50	-11.41
240.49	Peak	42.84	-10.12	32.72	46.00	-13.28
576.11	Peak	39.51	-4.42	35.09	46.00	-10.91
959.26	Peak	35.93	1.64	37.57	46.00	-8.43

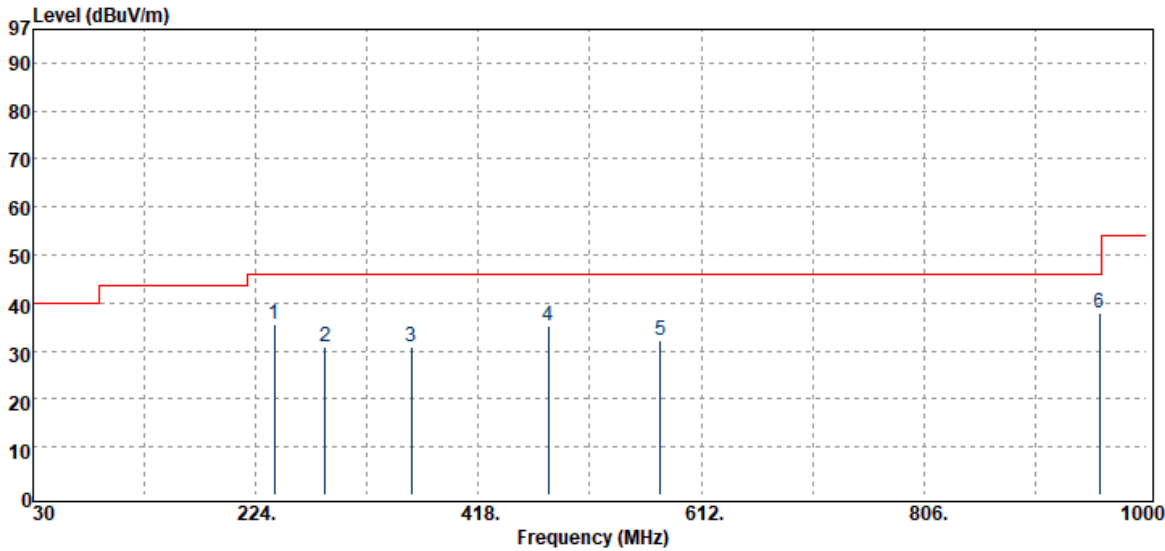
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5580 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
240.49	Peak	45.60	-10.12	35.48	46.00	-10.52
284.14	Peak	39.71	-8.74	30.97	46.00	-15.03
359.80	Peak	37.70	-6.82	30.88	46.00	-15.12
479.11	Peak	40.67	-5.37	35.30	46.00	-10.70
576.11	Peak	36.59	-4.42	32.17	46.00	-13.83
959.26	Peak	36.45	1.64	38.09	46.00	-7.91

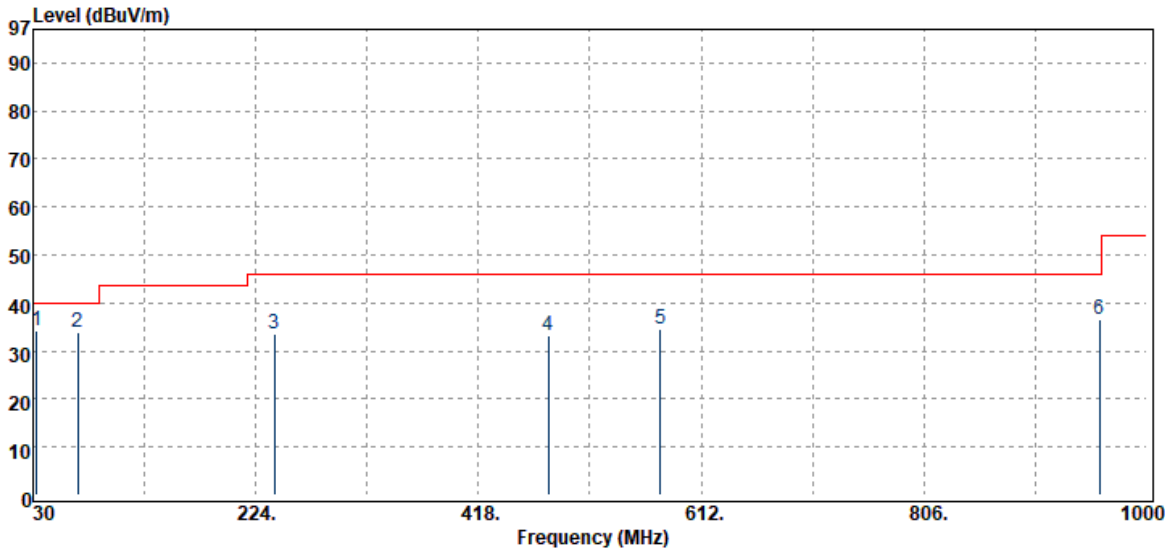
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5785 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
32.91	Peak	40.31	-6.15	34.16	40.00	-5.84
68.80	Peak	50.99	-17.22	33.77	40.00	-6.23
240.49	Peak	43.58	-10.12	33.46	46.00	-12.54
479.11	Peak	38.58	-5.37	33.21	46.00	-12.79
576.11	Peak	38.83	-4.42	34.41	46.00	-11.59
959.26	Peak	34.96	1.64	36.60	46.00	-9.40

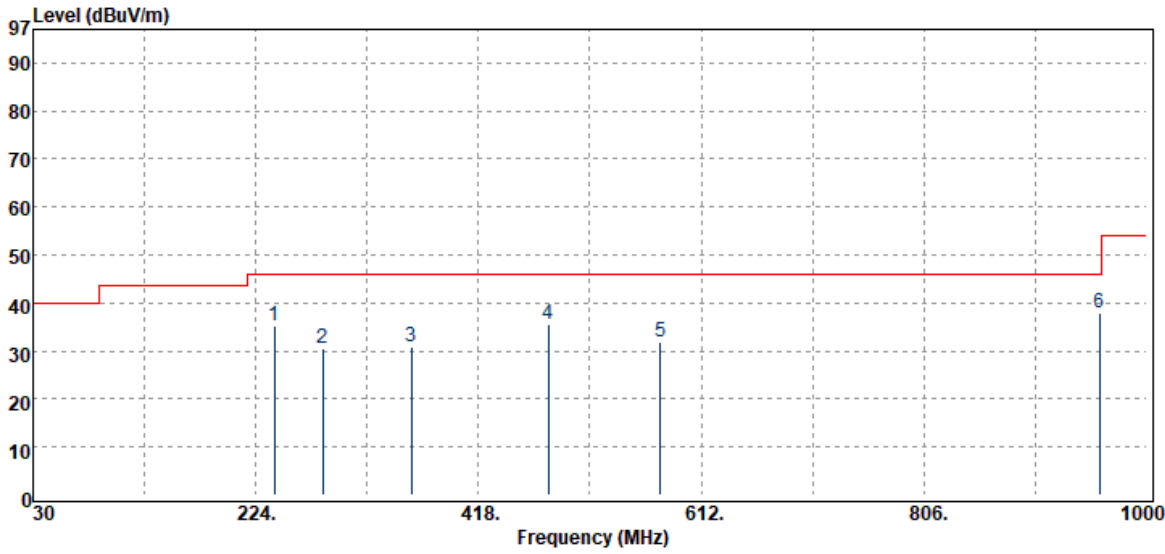
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Report Number :ER/2020/A0069
 Operation Mode :802.11a
 Test Frequency :5785 MHz
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane

Test Site :SAC I Chamber
 Test Date :2020-11-07
 Temp./Humi. :22.8/74
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
240.49	Peak	45.24	-10.12	35.12	46.00	-10.88
282.20	Peak	39.36	-8.78	30.58	46.00	-15.42
359.80	Peak	37.58	-6.82	30.76	46.00	-15.24
479.11	Peak	40.97	-5.37	35.60	46.00	-10.40
576.11	Peak	36.36	-4.42	31.94	46.00	-14.06
959.26	Peak	36.27	1.64	37.91	46.00	-8.09

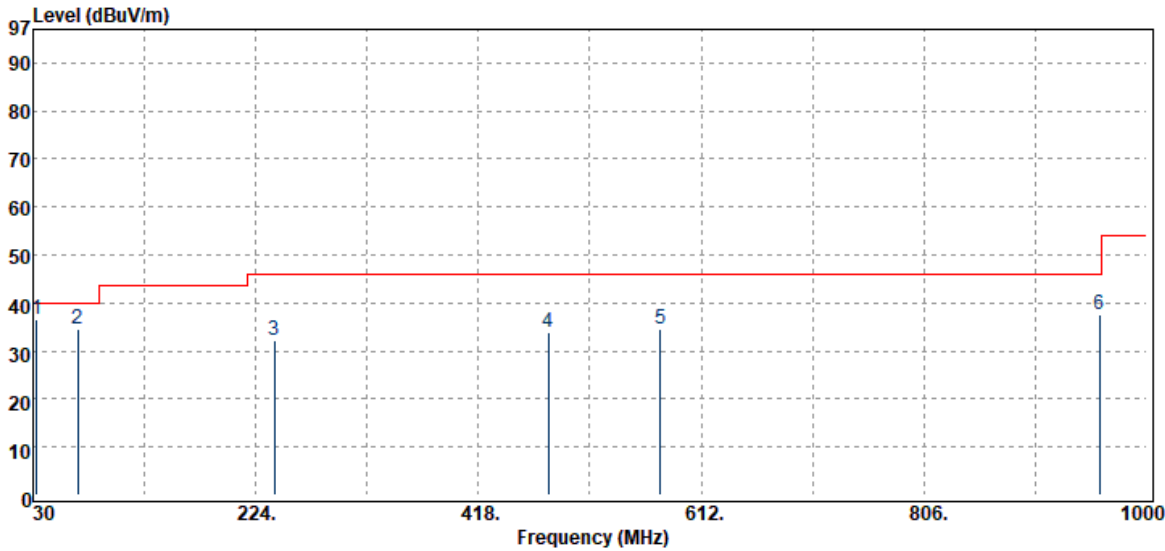
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5210 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
32.91	Peak	42.67	-6.15	36.52	40.00	-3.48
68.80	Peak	51.95	-17.22	34.73	40.00	-5.27
240.49	Peak	42.39	-10.12	32.27	46.00	-13.73
479.11	Peak	39.30	-5.37	33.93	46.00	-12.07
576.11	Peak	38.90	-4.42	34.48	46.00	-11.52
959.26	Peak	35.97	1.64	37.61	46.00	-8.39

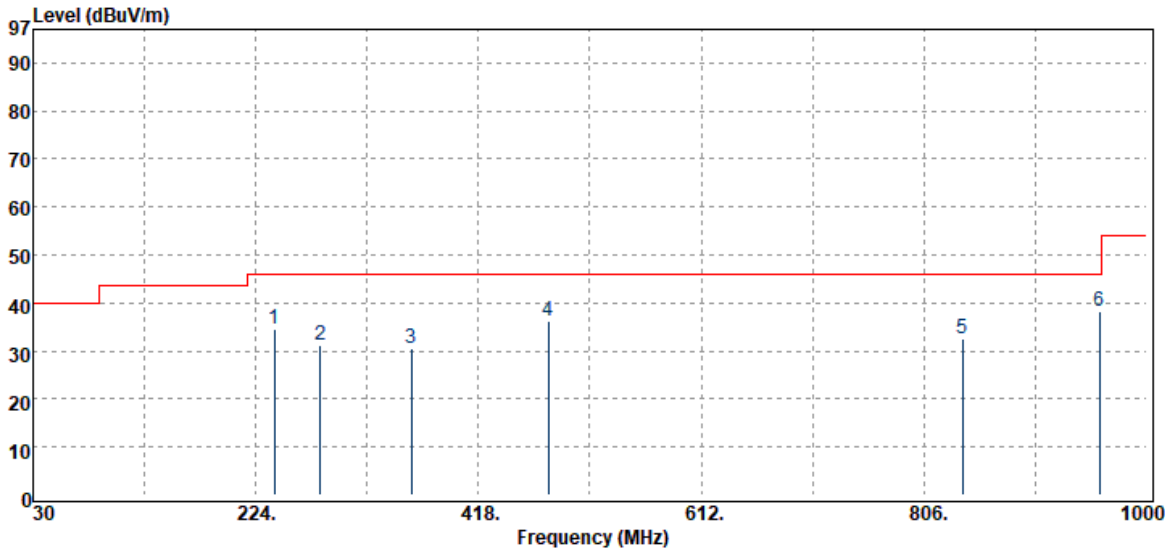
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5210 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
240.49	Peak	44.73	-10.12	34.61	46.00	-11.39
280.26	Peak	40.09	-8.81	31.28	46.00	-14.72
359.80	Peak	37.47	-6.82	30.65	46.00	-15.35
479.11	Peak	41.51	-5.37	36.14	46.00	-9.86
839.95	Peak	32.21	0.36	32.57	46.00	-13.43
959.26	Peak	36.66	1.64	38.30	46.00	-7.70

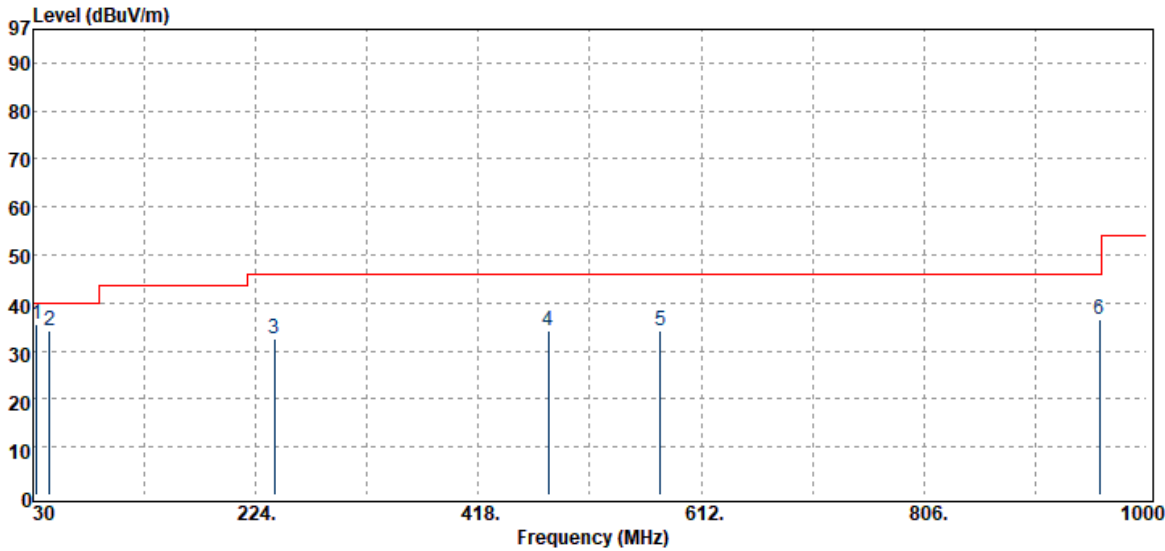
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5290 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
32.91	Peak	41.73	-6.15	35.58	40.00	-4.42
44.55	Peak	46.52	-12.35	34.17	40.00	-5.83
240.49	Peak	42.79	-10.12	32.67	46.00	-13.33
479.11	Peak	39.53	-5.37	34.16	46.00	-11.84
576.11	Peak	38.71	-4.42	34.29	46.00	-11.71
959.26	Peak	34.97	1.64	36.61	46.00	-9.39

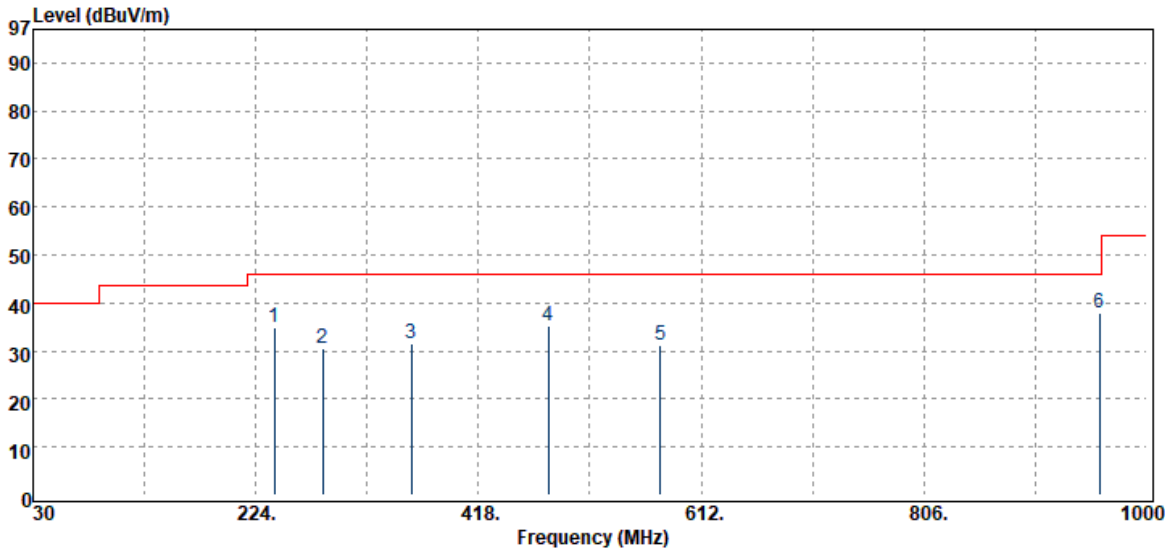
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Report Number :ER/2020/A0069
 Operation Mode :802.11ac80
 Test Frequency :5290 MHz
 Test Mode :Tx CH High
 EUT Pol :NB Plane

Test Site :SAC I Chamber
 Test Date :2020-11-07
 Temp./Humi. :22.8/74
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
240.49	Peak	44.92	-10.12	34.80	46.00	-11.20
282.20	Peak	39.44	-8.78	30.66	46.00	-15.34
359.80	Peak	38.36	-6.82	31.54	46.00	-14.46
479.11	Peak	40.67	-5.37	35.30	46.00	-10.70
576.11	Peak	35.72	-4.42	31.30	46.00	-14.70
959.26	Peak	36.32	1.64	37.96	46.00	-8.04

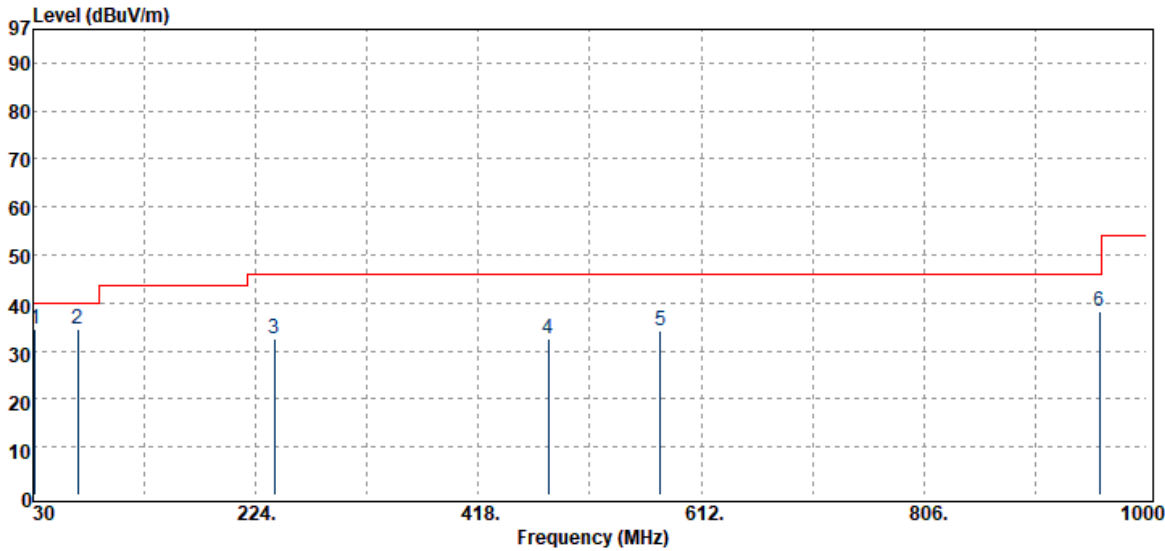
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5610 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
31.94	Peak	40.04	-5.32	34.72	40.00	-5.28
68.80	Peak	51.93	-17.22	34.71	40.00	-5.29
240.49	Peak	42.59	-10.12	32.47	46.00	-13.53
479.11	Peak	37.98	-5.37	32.61	46.00	-13.39
576.11	Peak	38.68	-4.42	34.26	46.00	-11.74
959.26	Peak	36.71	1.64	38.35	46.00	-7.65

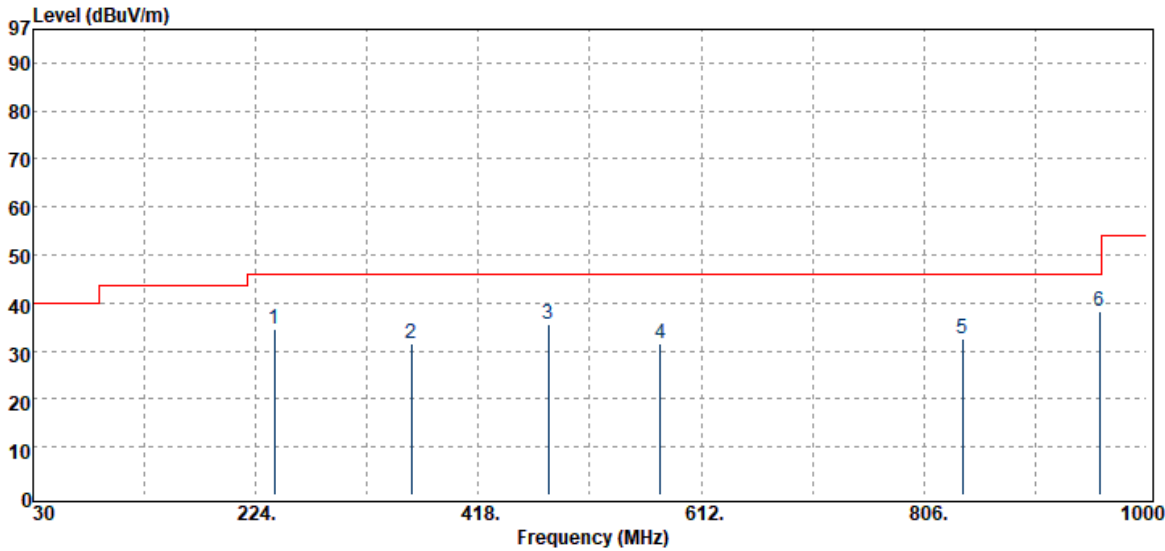
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5610 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
240.49	Peak	44.69	-10.12	34.57	46.00	-11.43
359.80	Peak	38.35	-6.82	31.53	46.00	-14.47
479.11	Peak	41.03	-5.37	35.66	46.00	-10.34
576.11	Peak	35.91	-4.42	31.49	46.00	-14.51
839.95	Peak	32.06	0.36	32.42	46.00	-13.58
959.26	Peak	36.68	1.64	38.32	46.00	-7.68

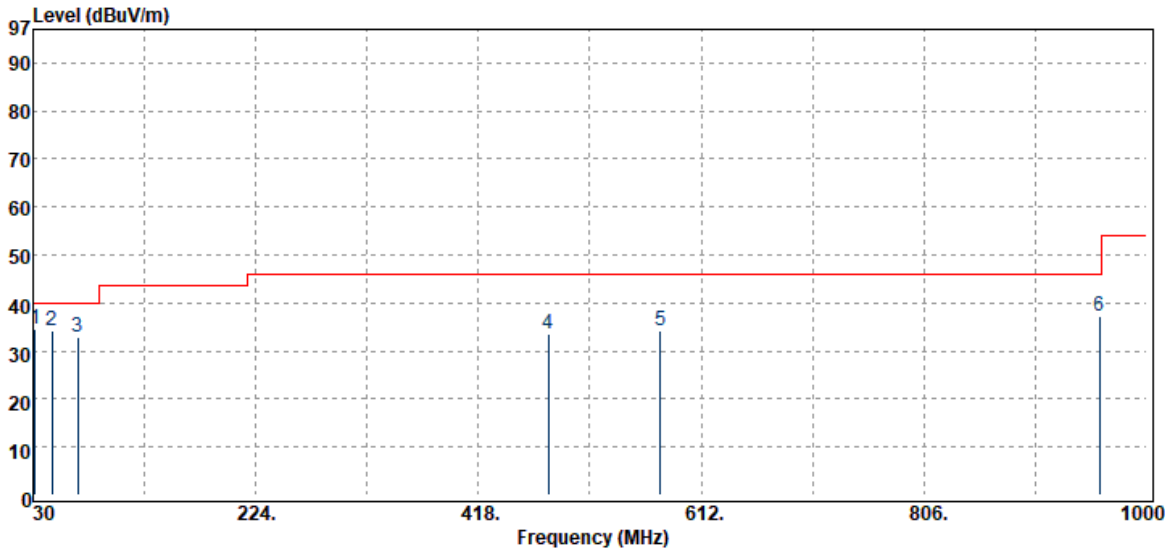
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5775 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
31.94	Peak	40.04	-5.32	34.72	40.00	-5.28
46.49	Peak	47.54	-13.38	34.16	40.00	-5.84
68.80	Peak	50.27	-17.22	33.05	40.00	-6.95
479.11	Peak	39.10	-5.37	33.73	46.00	-12.27
576.11	Peak	38.53	-4.42	34.11	46.00	-11.89
959.26	Peak	35.62	1.64	37.26	46.00	-8.74

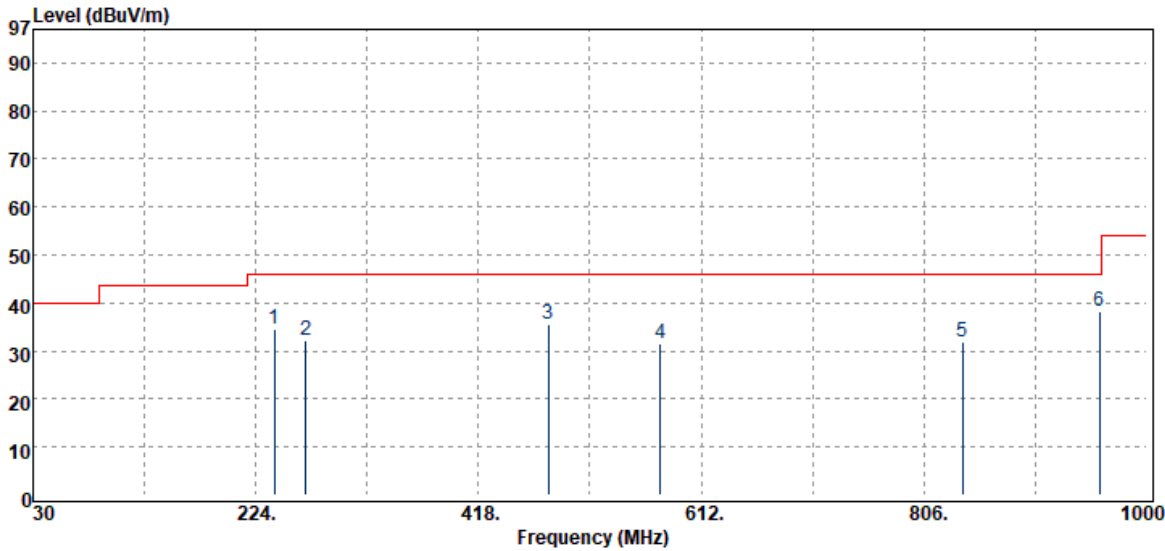
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5775 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
240.49	Peak	44.81	-10.12	34.69	46.00	-11.31
267.65	Peak	40.83	-8.59	32.24	46.00	-13.76
479.11	Peak	40.82	-5.37	35.45	46.00	-10.55
576.11	Peak	36.13	-4.42	31.71	46.00	-14.29
839.95	Peak	31.67	0.36	32.03	46.00	-13.97
959.26	Peak	36.46	1.64	38.10	46.00	-7.90

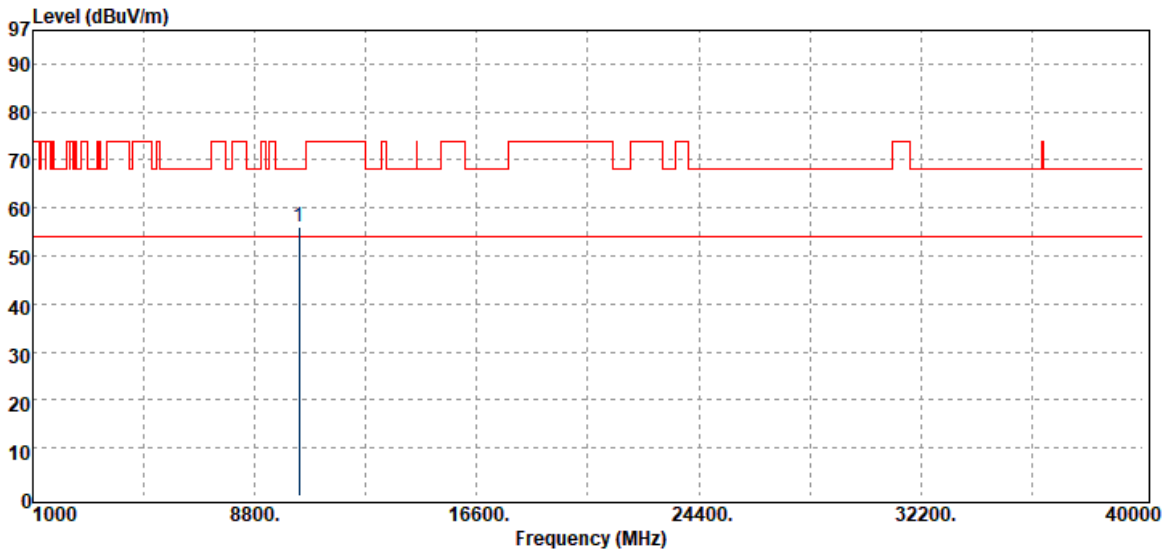
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7.7.2 Above 1GHz Worst-Case Data:

Report Number	:ER/2020/A0069	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2020-11-06
Test Frequency	:5180 MHz	Temp./Humi.	:22.8/70
Test Mode	:Tx CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10360.00	Peak	29.62	26.38	56.00	68.20	-12.20

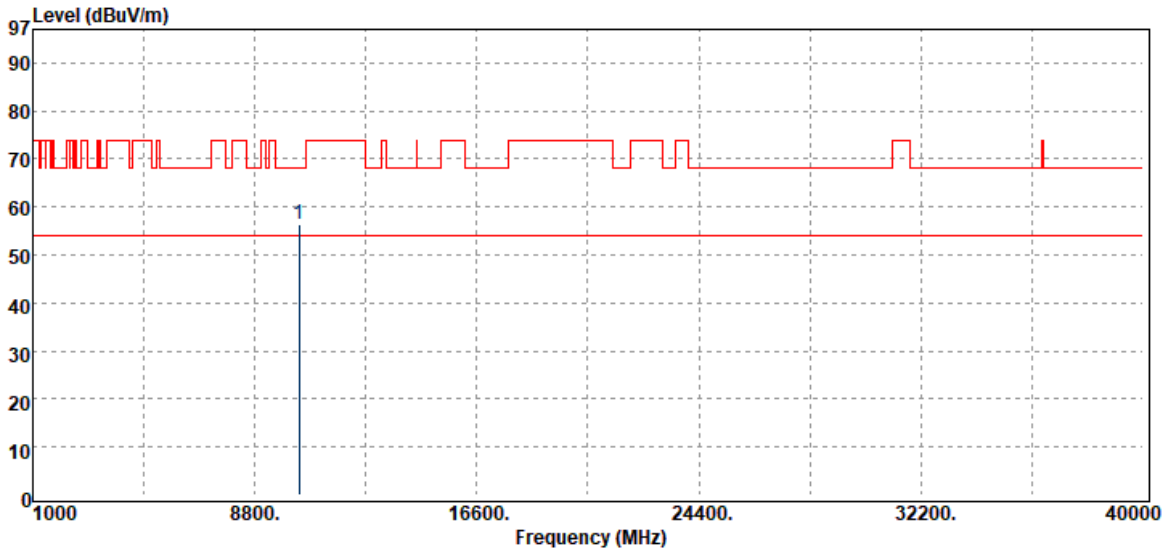
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5180 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10360.00	Peak	29.99	26.38	56.37	68.20	-11.83

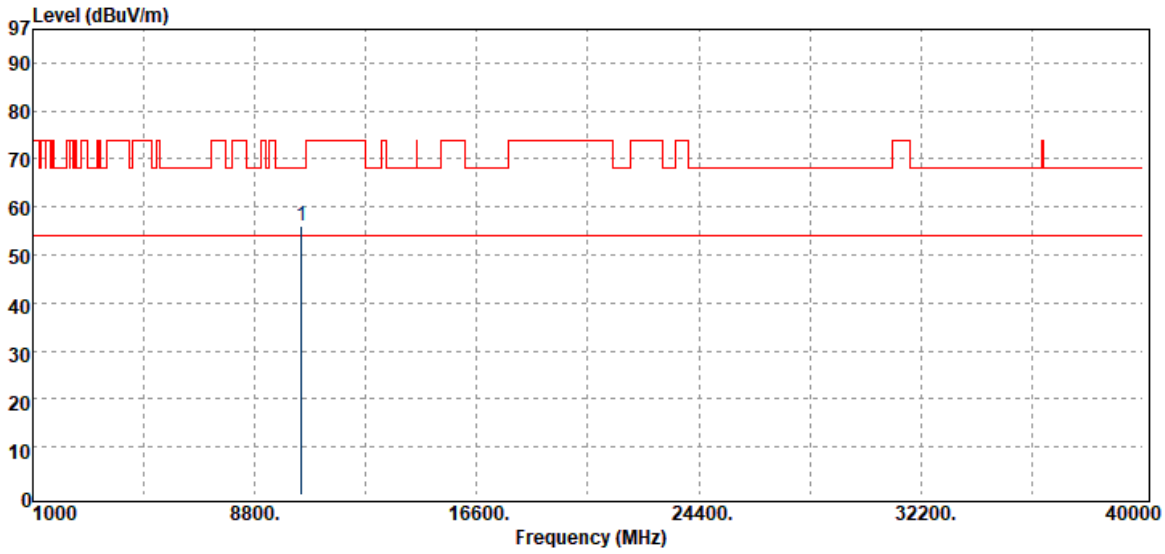
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5220 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10440.00	Peak	29.22	26.76	55.98	68.20	-12.22

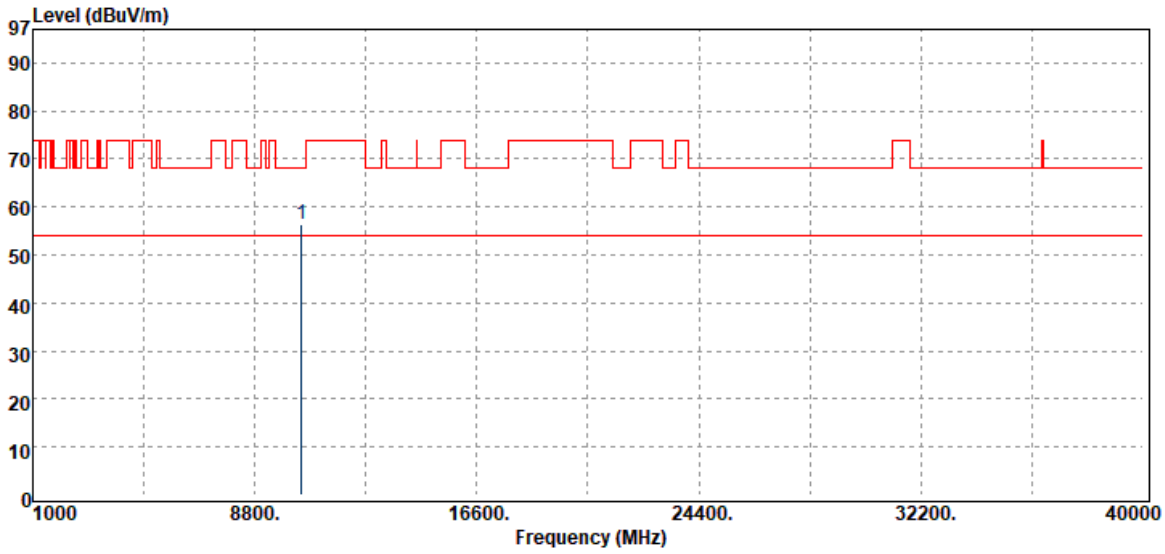
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5220 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10440.00	Peak	29.57	26.76	56.33	68.20	-11.87

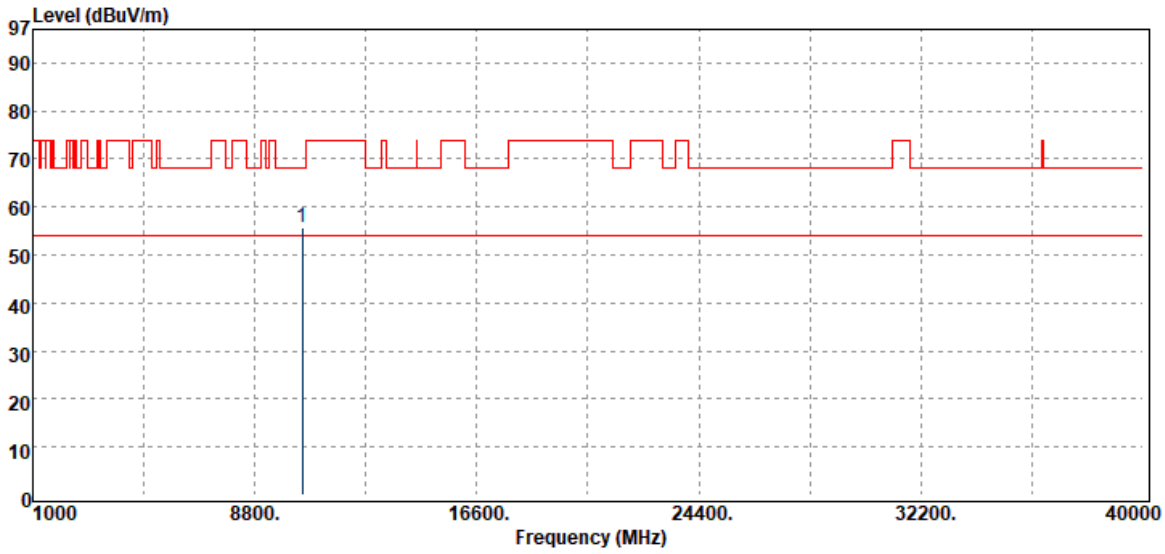
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5240 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10480.00	Peak	29.47	26.40	55.87	68.20	-12.33

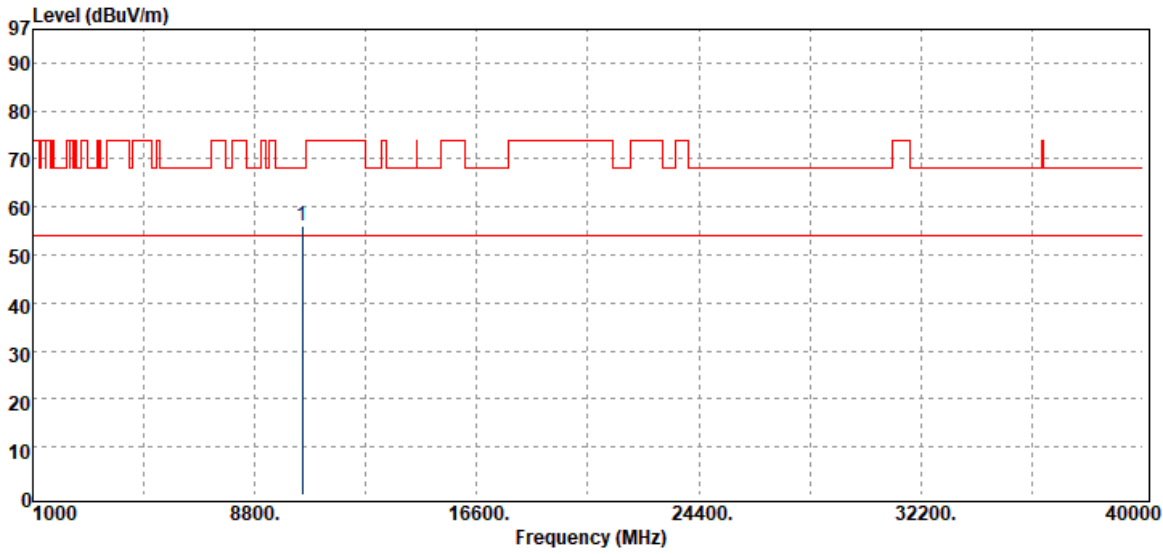
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5240 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10480.00	Peak	29.52	26.40	55.92	68.20	-12.28

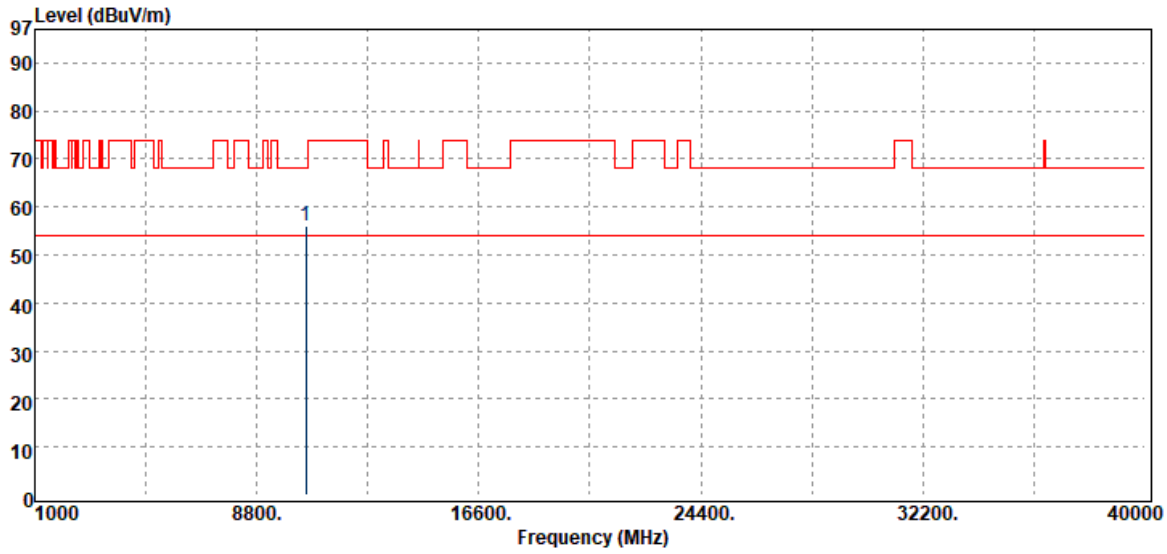
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5260 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10520.00	Peak	29.64	26.32	55.96	68.20	-12.24

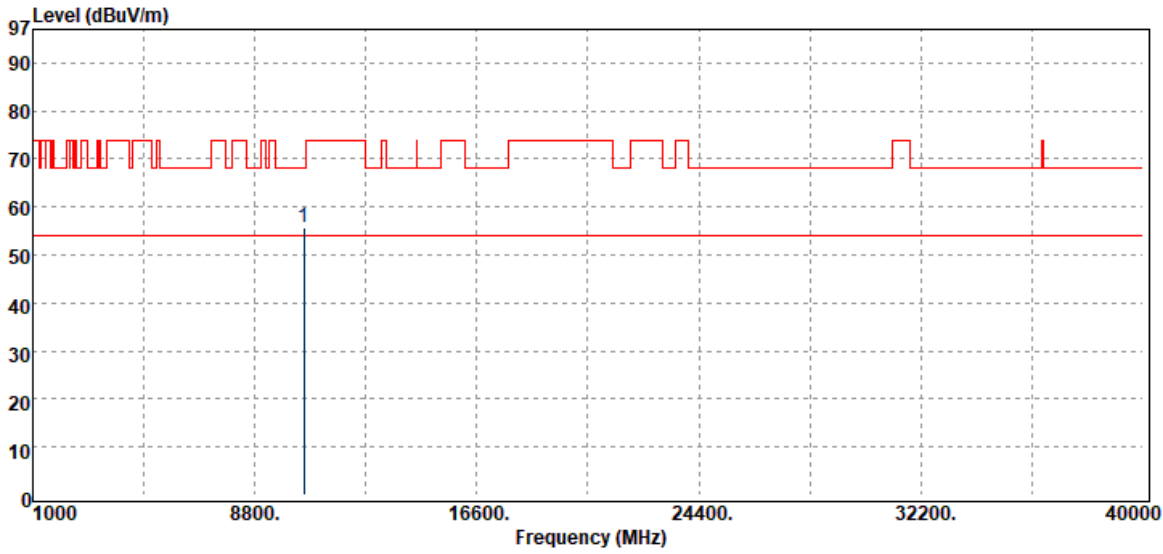
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5260 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10520.00	Peak	29.49	26.32	55.81	68.20	-12.39

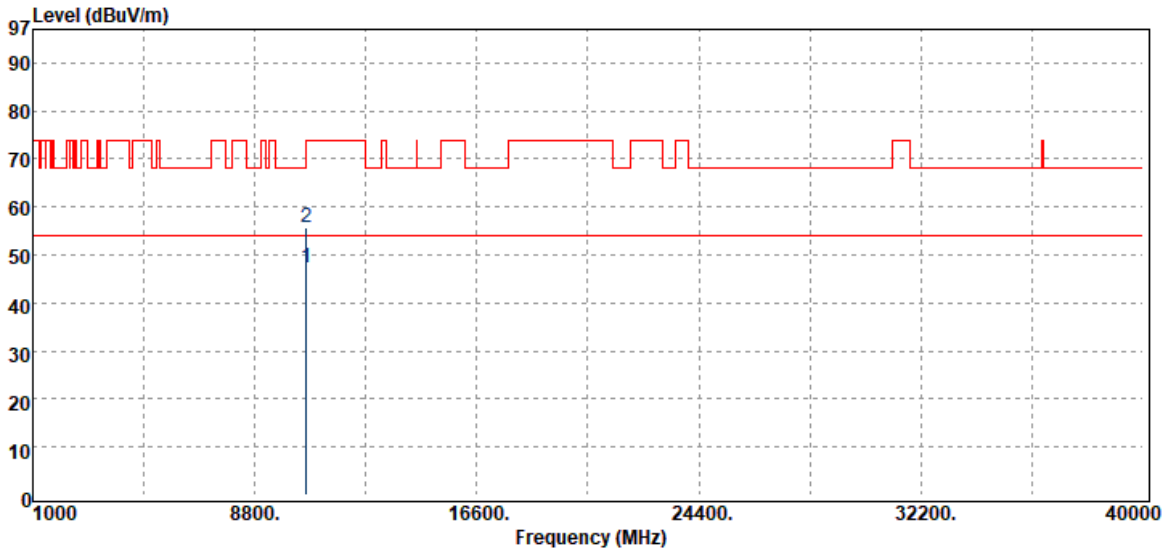
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5300 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10600.00	Average	20.42	26.78	47.20	54.00	-6.80
10600.00	Peak	29.03	26.78	55.81	74.00	-18.19

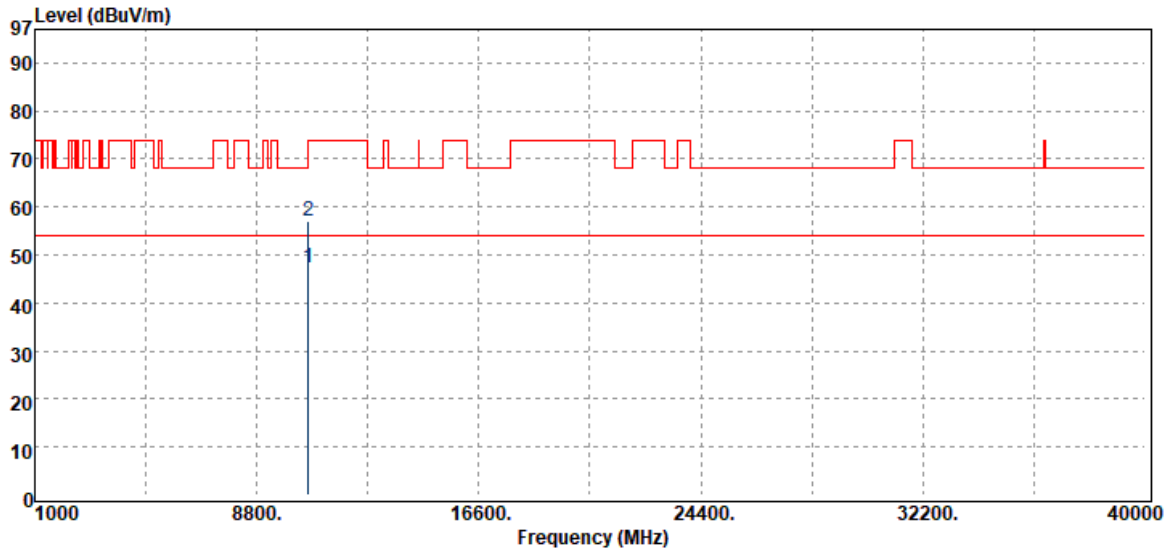
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5300 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10600.00	Average	20.48	26.78	47.26	54.00	-6.74
10600.00	Peak	30.22	26.78	57.00	74.00	-17.00

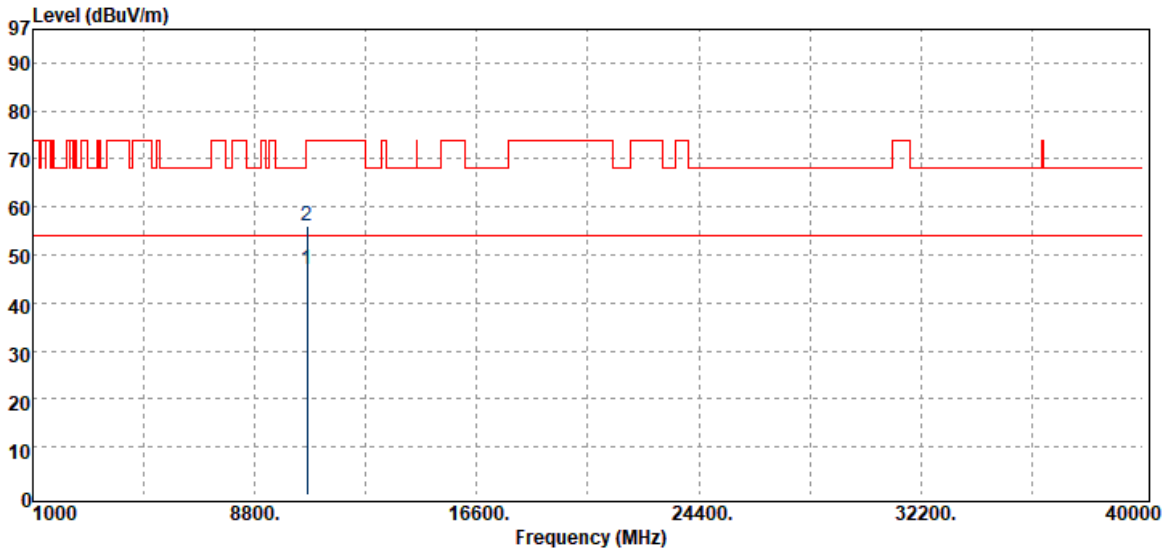
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5320 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10640.00	Average	20.54	26.51	47.05	54.00	-6.95
10640.00	Peak	29.67	26.51	56.18	74.00	-17.82

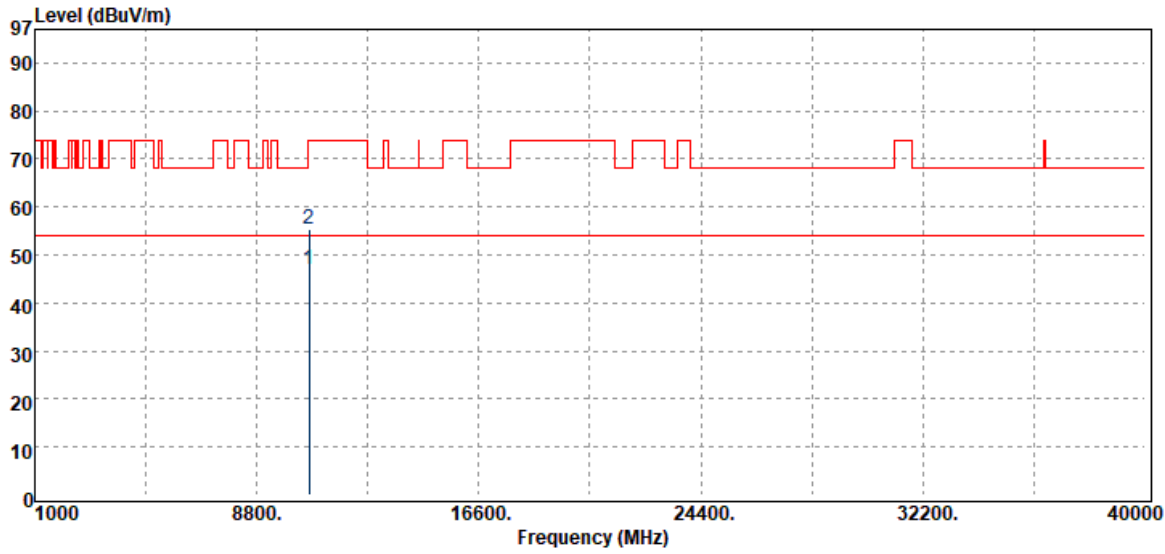
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5320 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10640.00	Average	20.56	26.51	47.07	54.00	-6.93
10640.00	Peak	28.84	26.51	55.35	74.00	-18.65

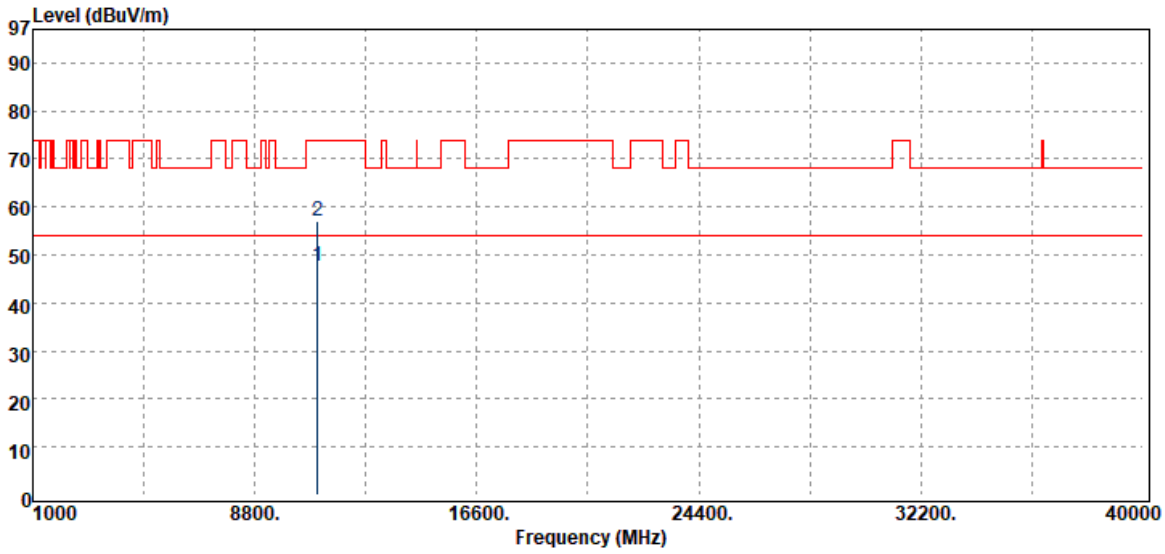
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5500 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11000.00	Average	20.50	27.32	47.82	54.00	-6.18
11000.00	Peak	29.59	27.32	56.91	74.00	-17.09

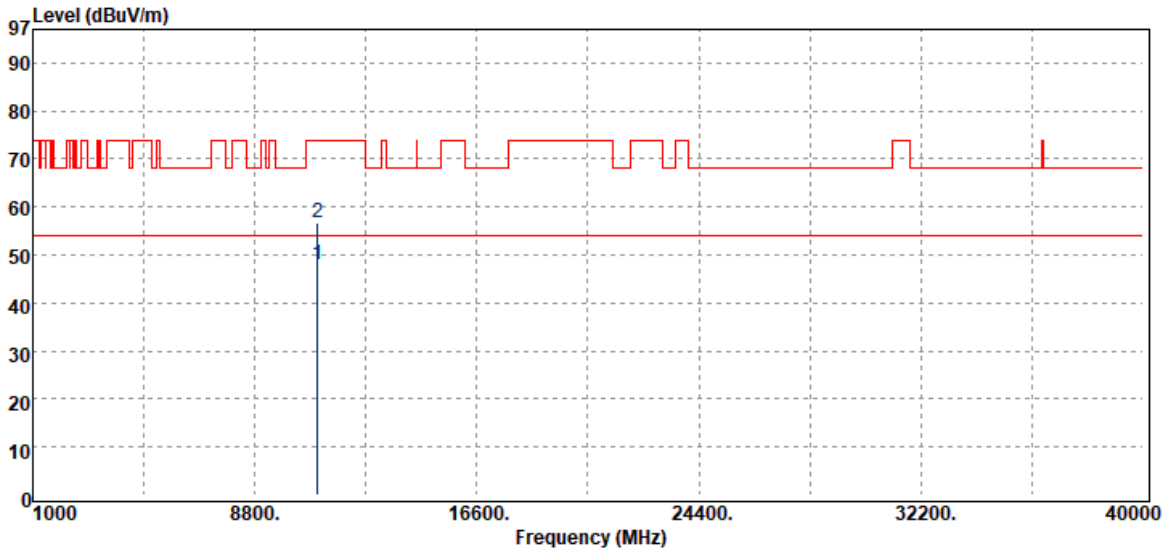
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5500 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11000.00	Average	20.58	27.32	47.90	54.00	-6.10
11000.00	Peak	29.43	27.32	56.75	74.00	-17.25

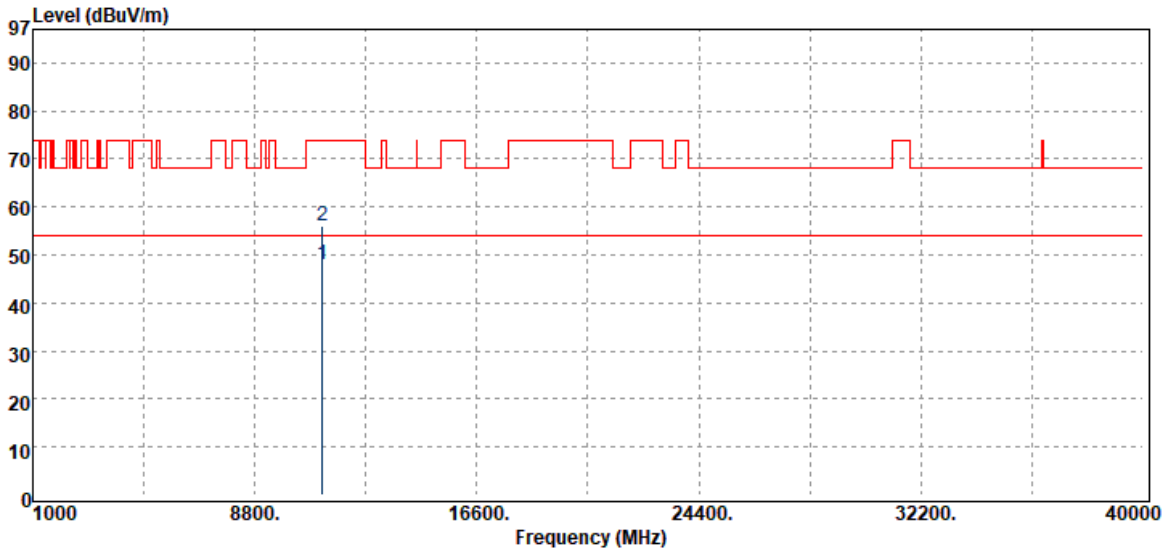
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5580 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11160.00	Average	20.86	26.98	47.84	54.00	-6.16
11160.00	Peak	29.17	26.98	56.15	74.00	-17.85

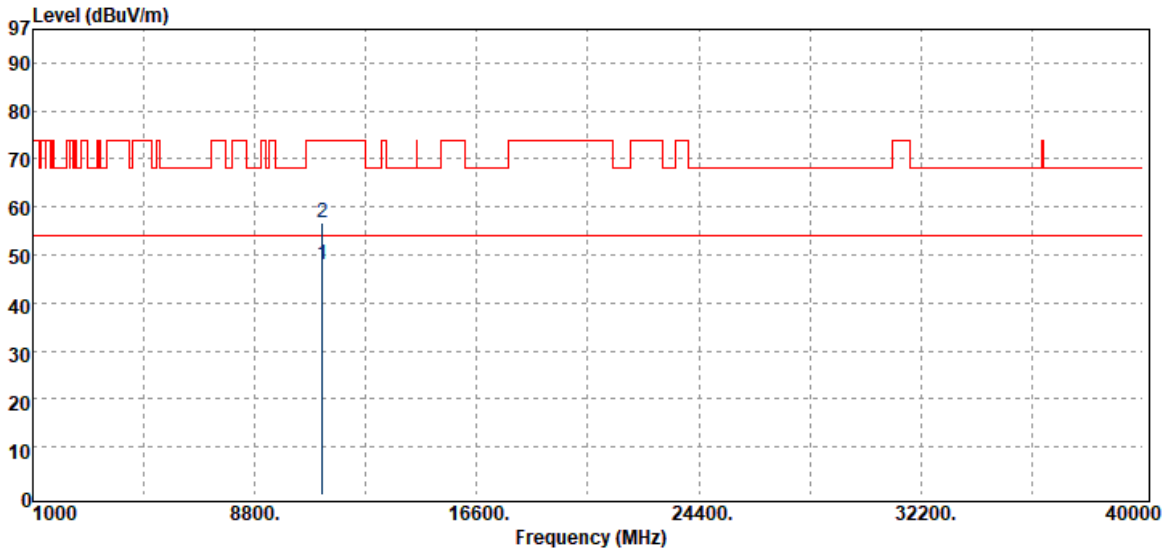
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5580 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11160.00	Average	20.94	26.98	47.92	54.00	-6.08
11160.00	Peak	29.89	26.98	56.87	74.00	-17.13

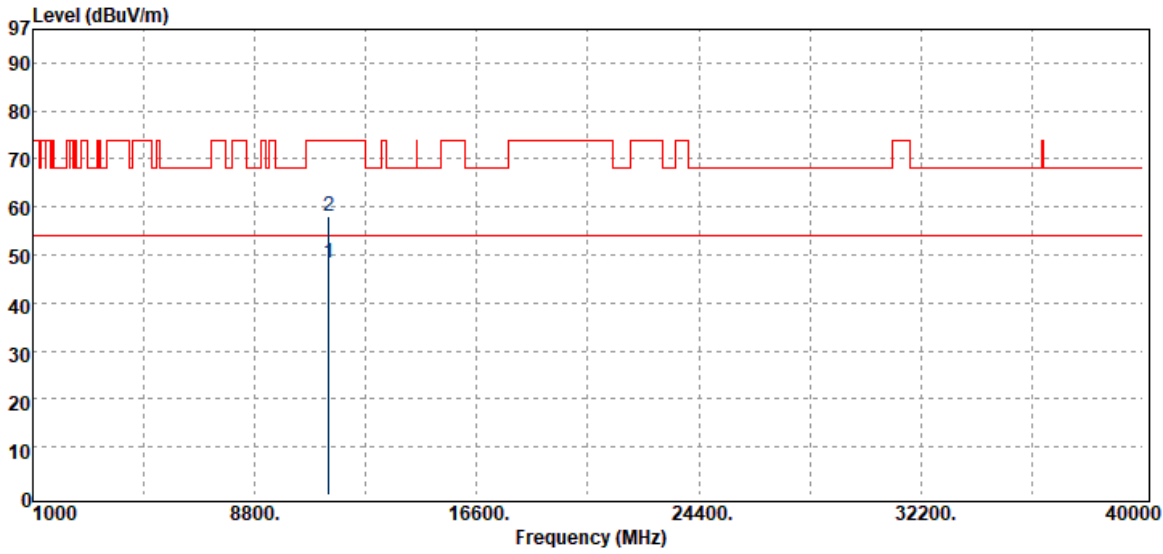
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5700 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11400.00	Average	20.87	27.54	48.41	54.00	-5.59
11400.00	Peak	30.61	27.54	58.15	74.00	-15.85

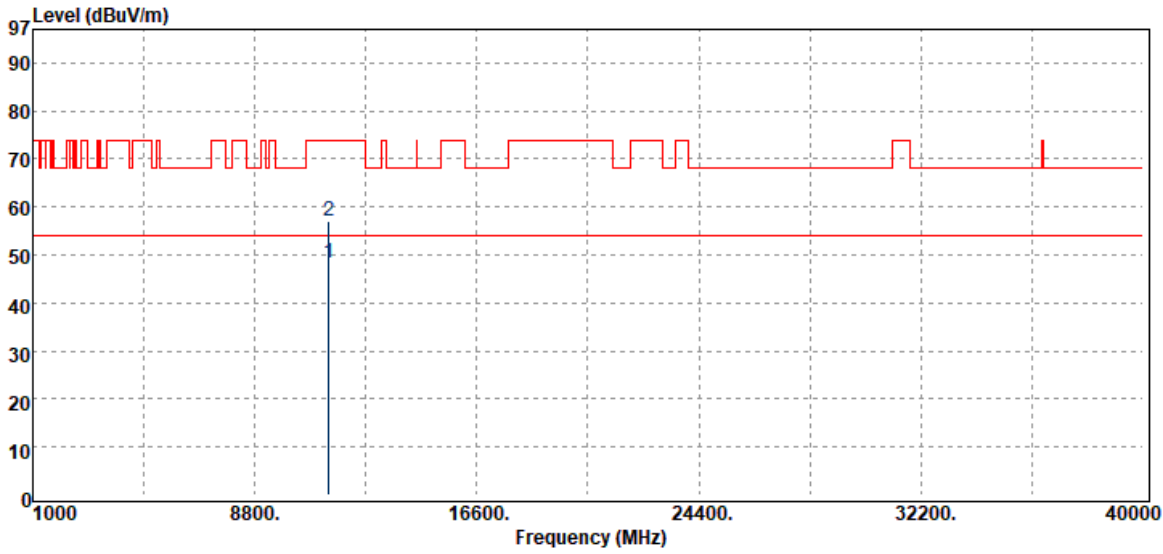
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5700 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11400.00	Average	20.86	27.54	48.40	54.00	-5.60
11400.00	Peak	29.54	27.54	57.08	74.00	-16.92

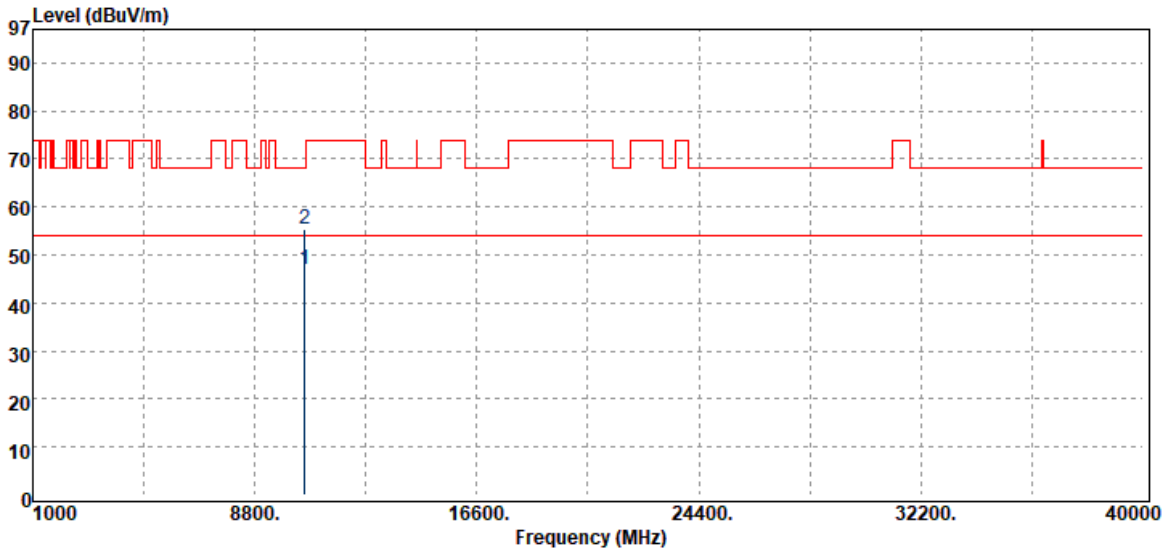
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5720 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10540.00	Average	20.38	26.47	46.85	54.00	-7.15
10540.00	Peak	28.76	26.47	55.23	68.20	-12.97

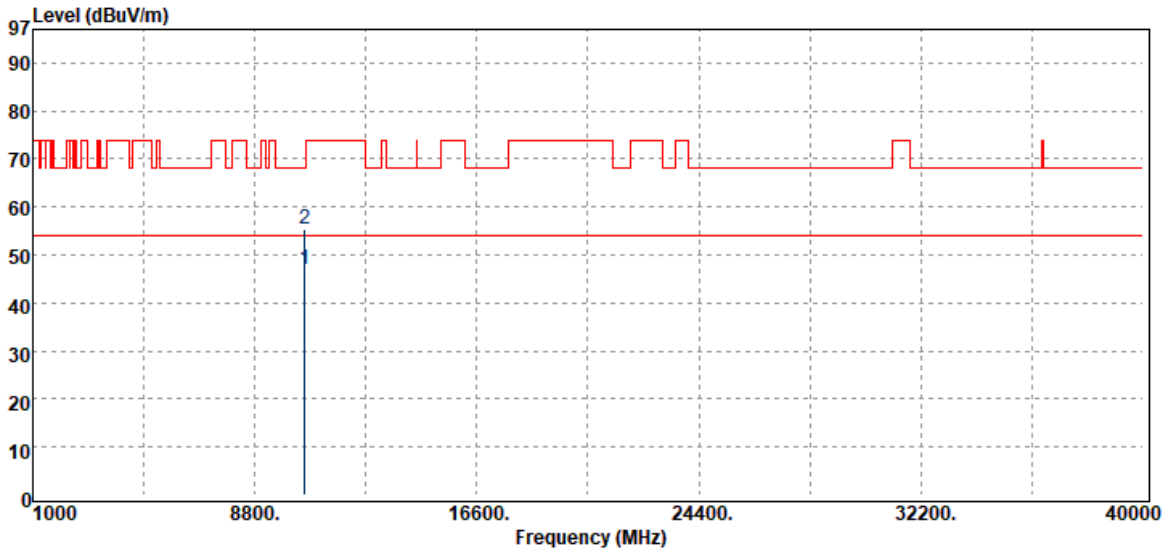
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5720 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10540.00	Average	20.37	26.47	46.84	54.00	-7.16
10540.00	Peak	28.93	26.47	55.40	68.20	-12.80

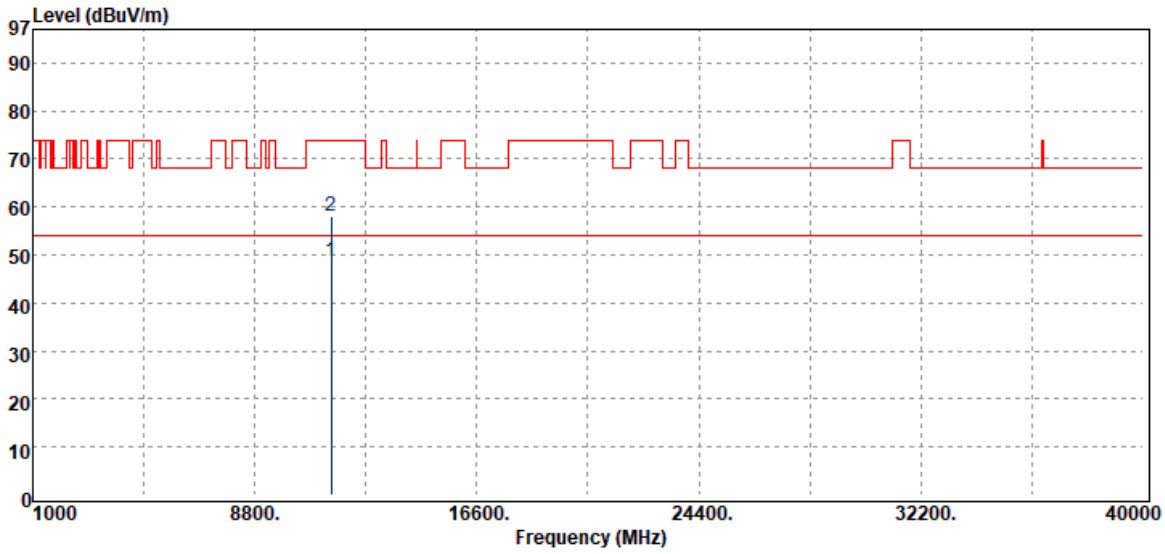
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5745 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11490.00	Average	20.46	28.07	48.53	54.00	-5.47
11490.00	Peak	29.98	28.07	58.05	74.00	-15.95

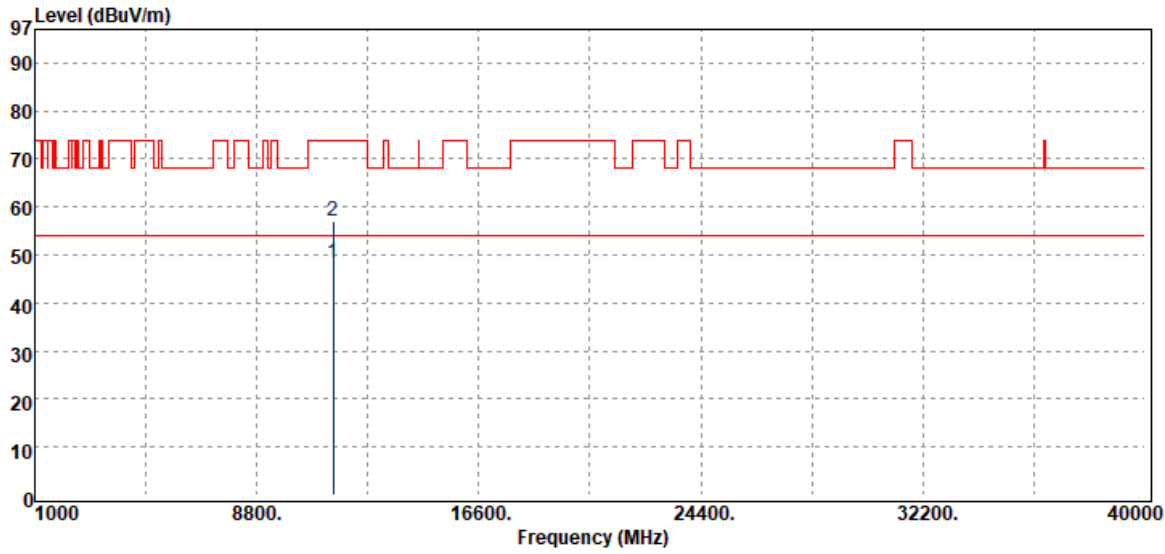
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5745 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11490.00	Average	20.31	28.07	48.38	54.00	-5.62
11490.00	Peak	28.96	28.07	57.03	74.00	-16.97

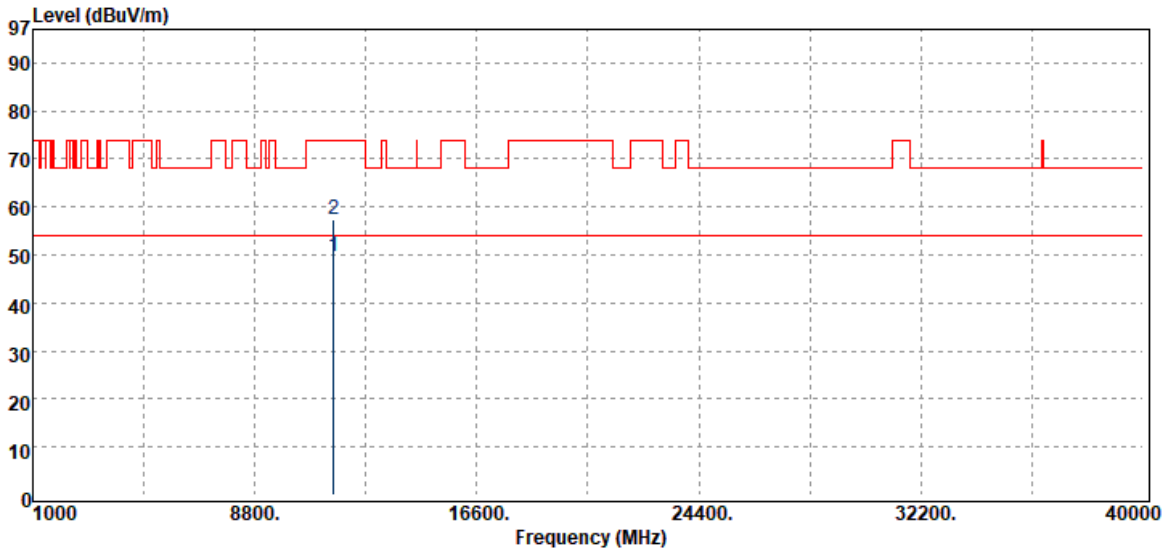
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5785 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11570.00	Average	22.43	27.18	49.61	54.00	-4.39
11570.00	Peak	30.13	27.18	57.31	74.00	-16.69

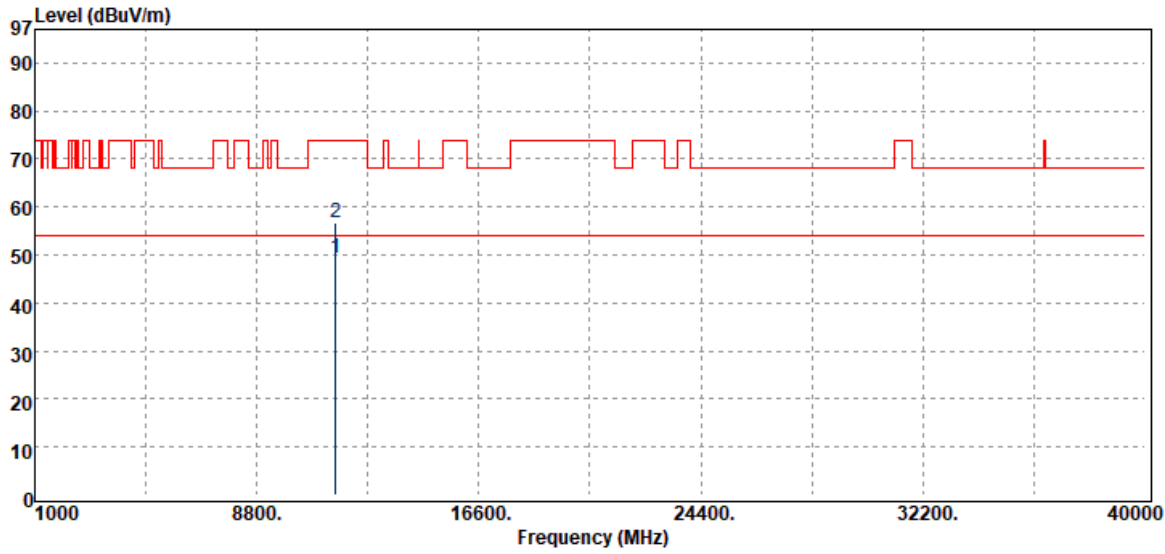
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5785 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11570.00	Average	22.28	27.18	49.46	54.00	-4.54
11570.00	Peak	29.64	27.18	56.82	74.00	-17.18

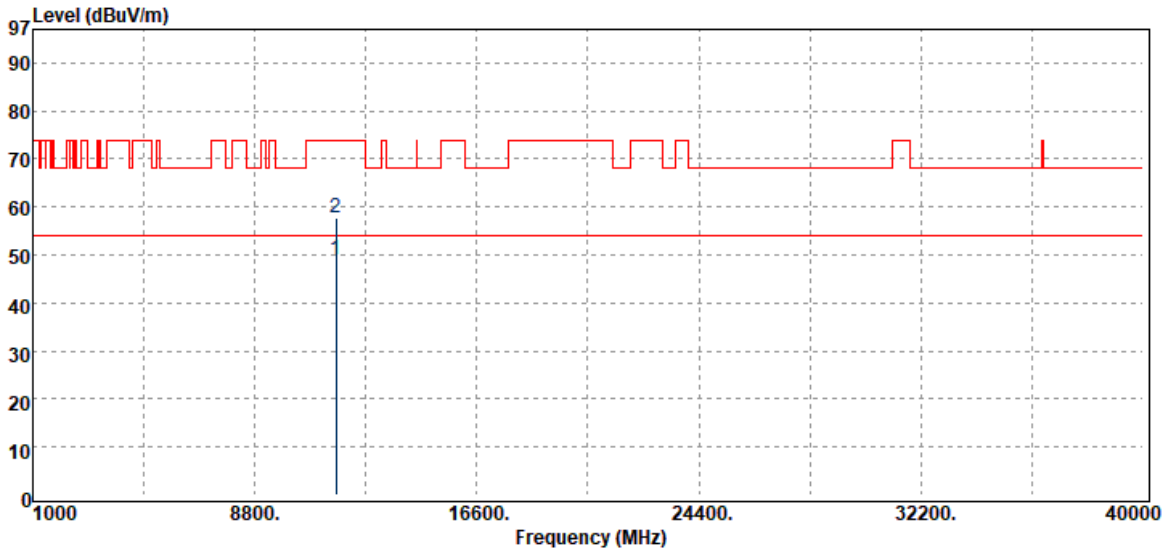
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5825 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11650.00	Average	21.23	27.69	48.92	54.00	-5.08
11650.00	Peak	30.10	27.69	57.79	74.00	-16.21

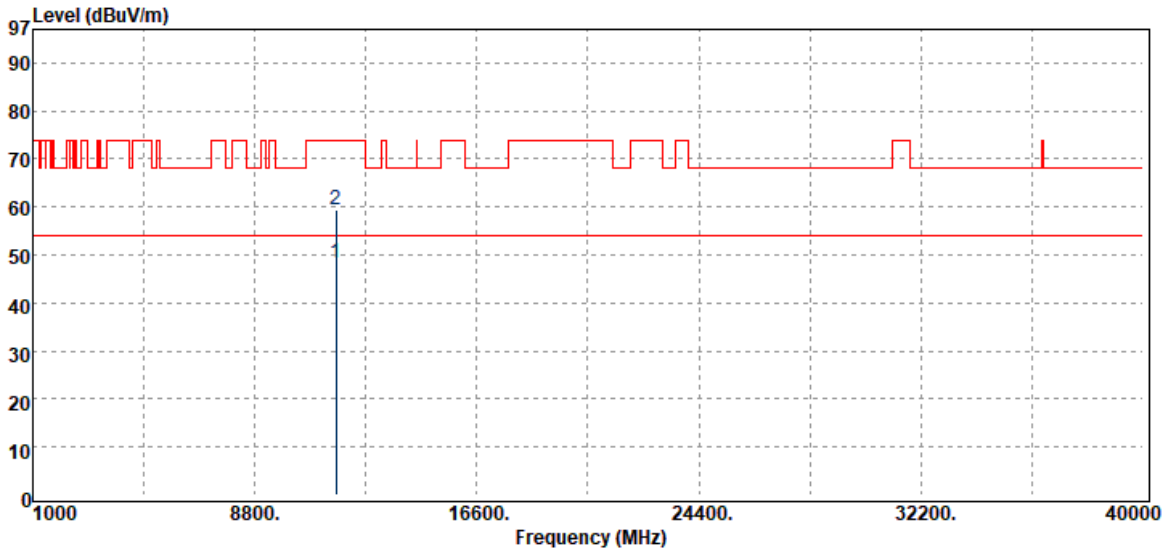
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5825 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
11650.00	Average	20.68	27.69	48.37	54.00	-5.63
11650.00	Peak	31.57	27.69	59.26	74.00	-14.74

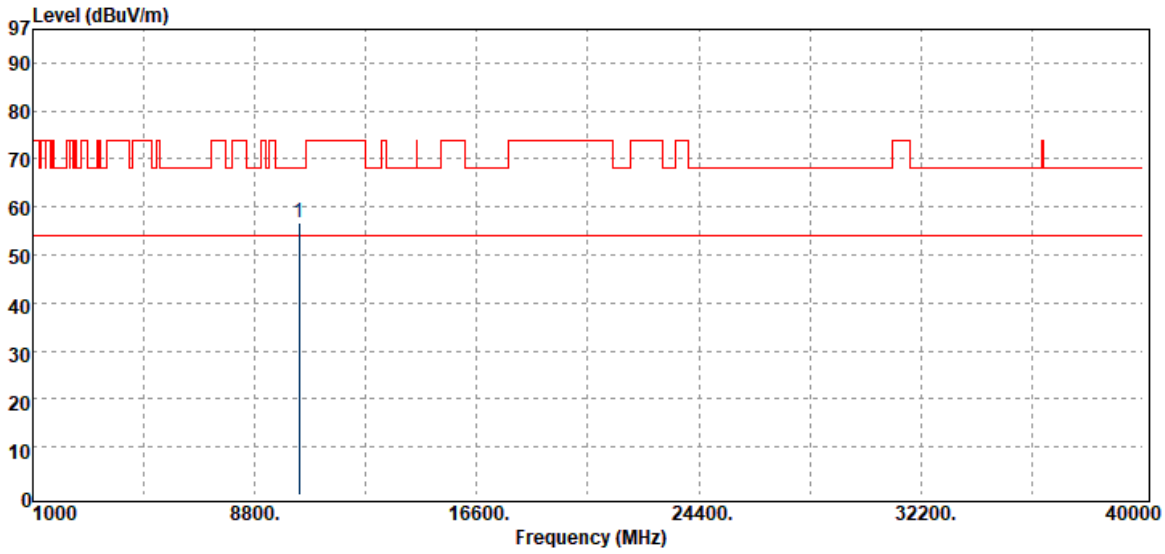
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5180 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10360.00	Peak	30.30	26.38	56.68	68.20	-11.52

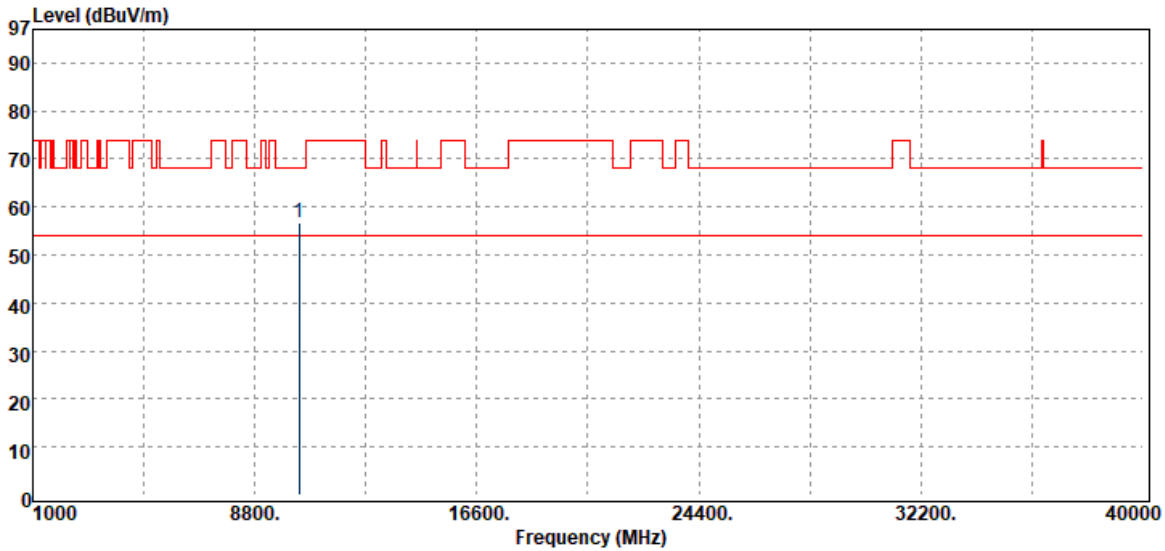
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5180 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10360.00	Peak	30.29	26.38	56.67	68.20	-11.53

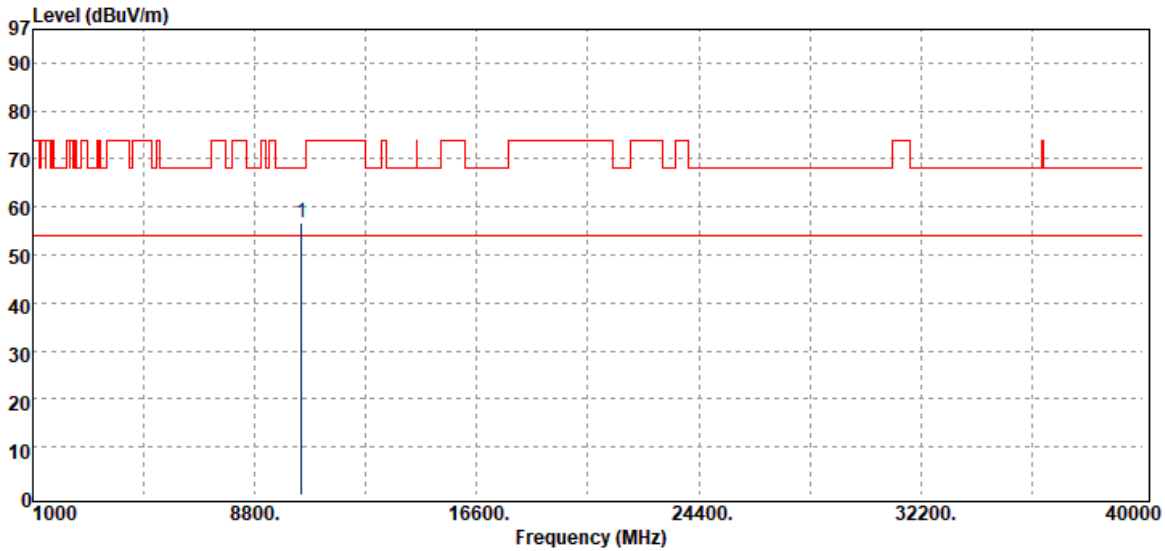
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5220 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10440.00	Peak	29.90	26.76	56.66	68.20	-11.54

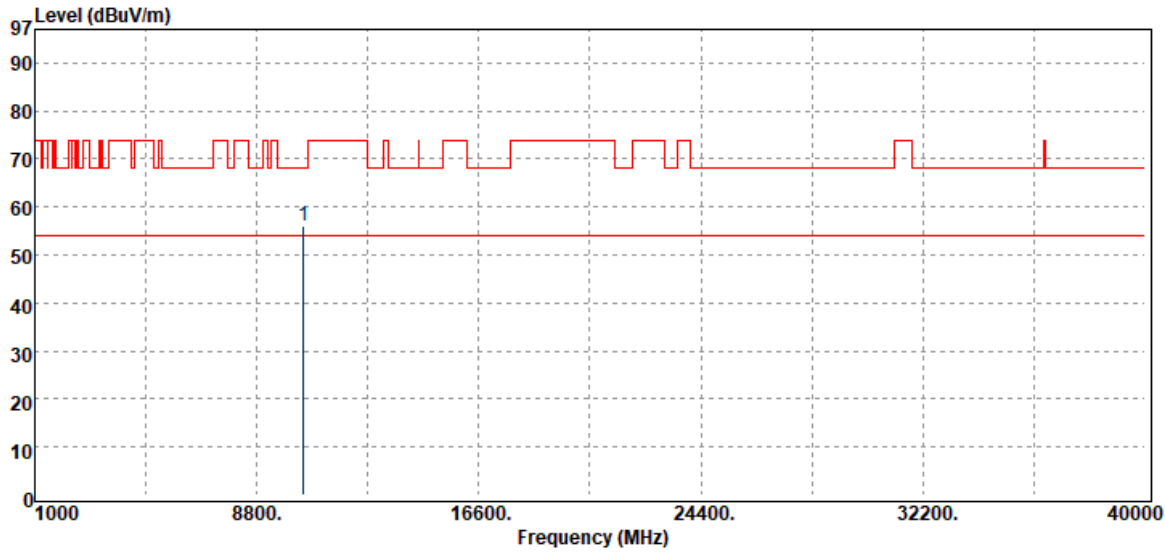
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5220 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10440.00	Peak	29.13	26.76	55.89	68.20	-12.31

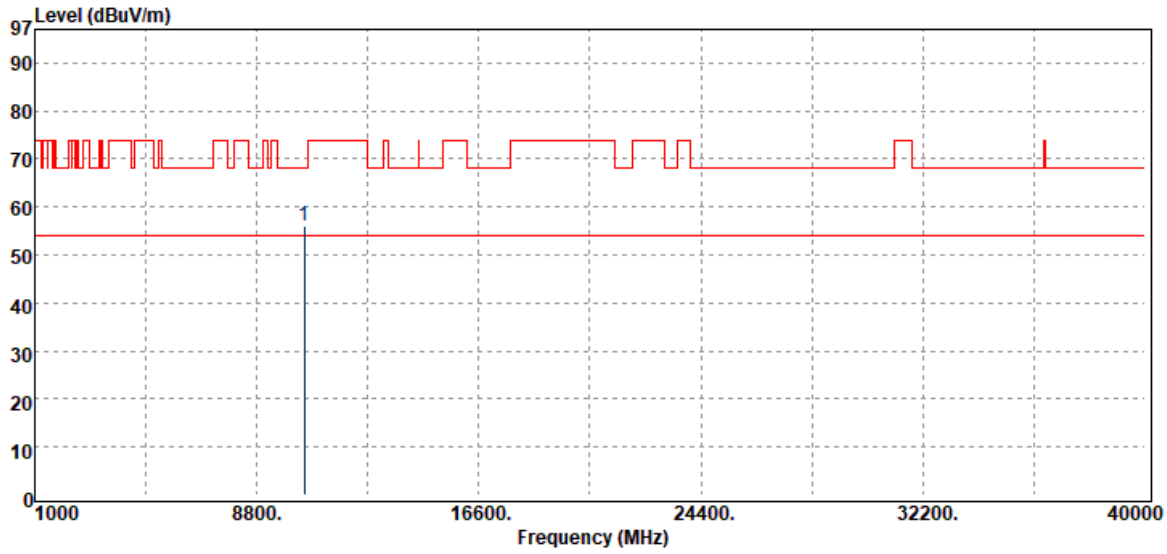
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5240 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10480.00	Peak	29.73	26.40	56.13	68.20	-12.07

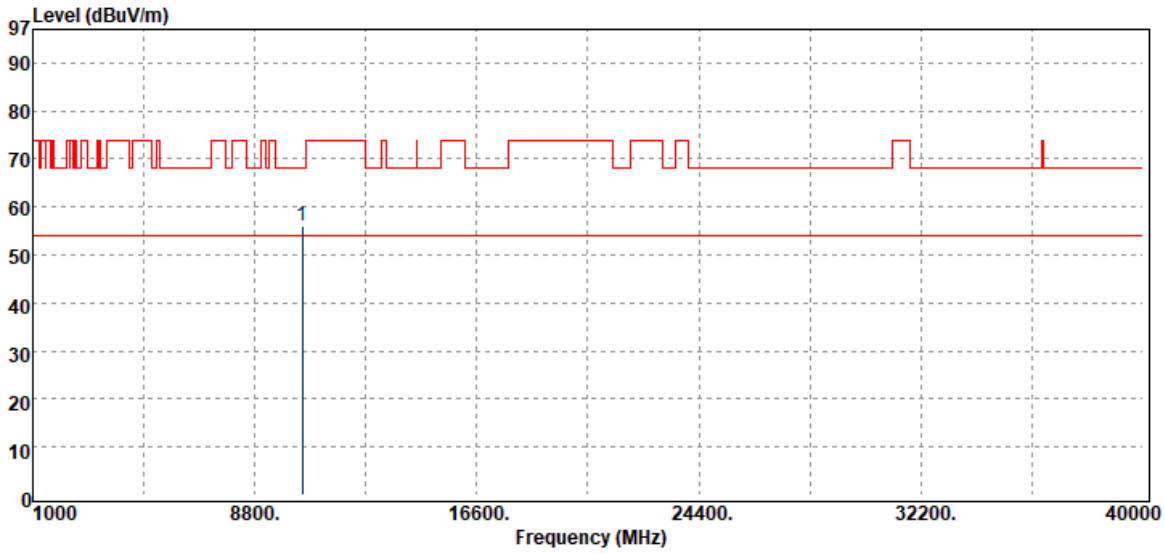
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5240 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
10480.00	Peak	29.67	26.40	56.07	68.20	-12.13

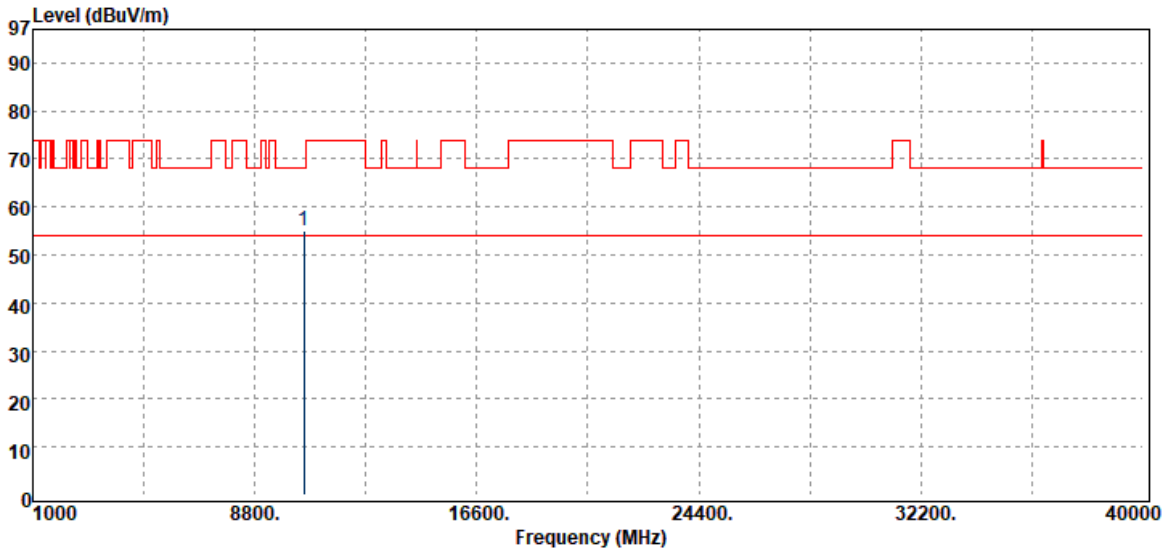
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5260 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10520.00	Peak	28.69	26.32	55.01	68.20	-13.19

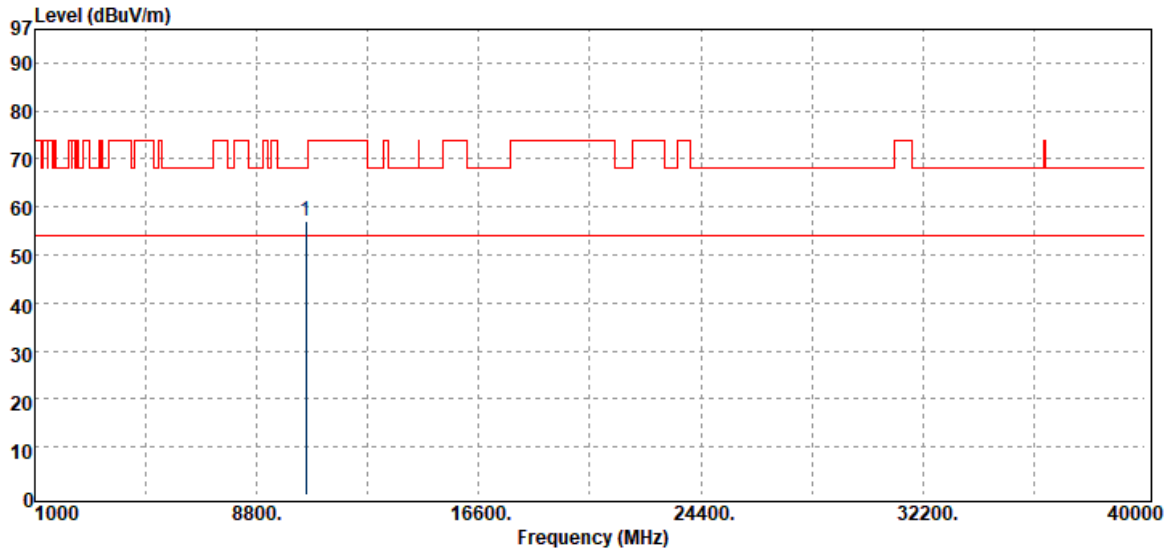
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5260 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10520.00	Peak	30.64	26.32	56.96	68.20	-11.24

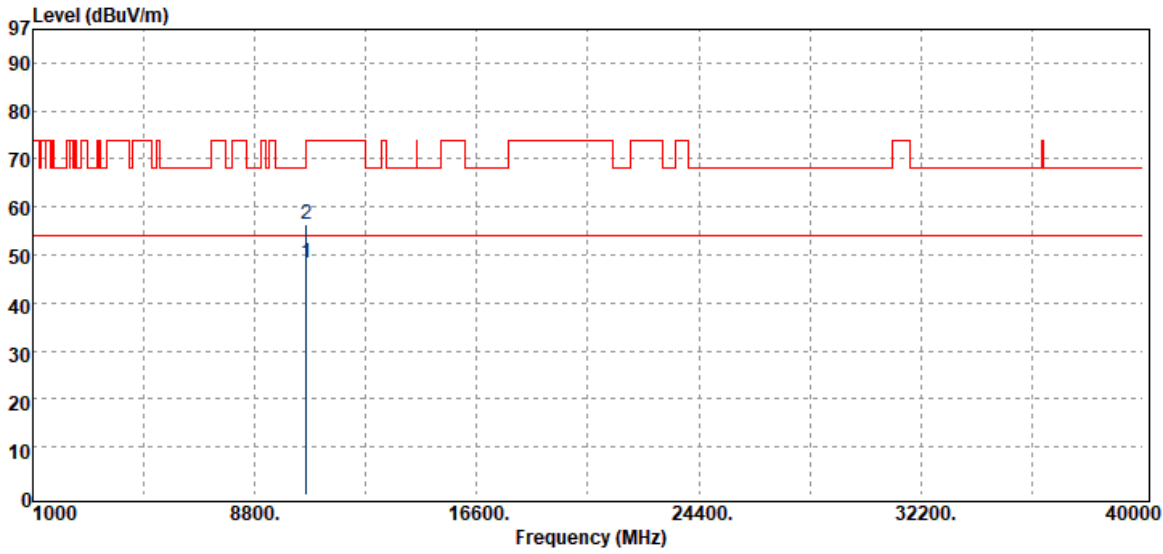
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5300 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10600.00	Average	21.50	26.78	48.28	54.00	-5.72
10600.00	Peak	29.61	26.78	56.39	74.00	-17.61

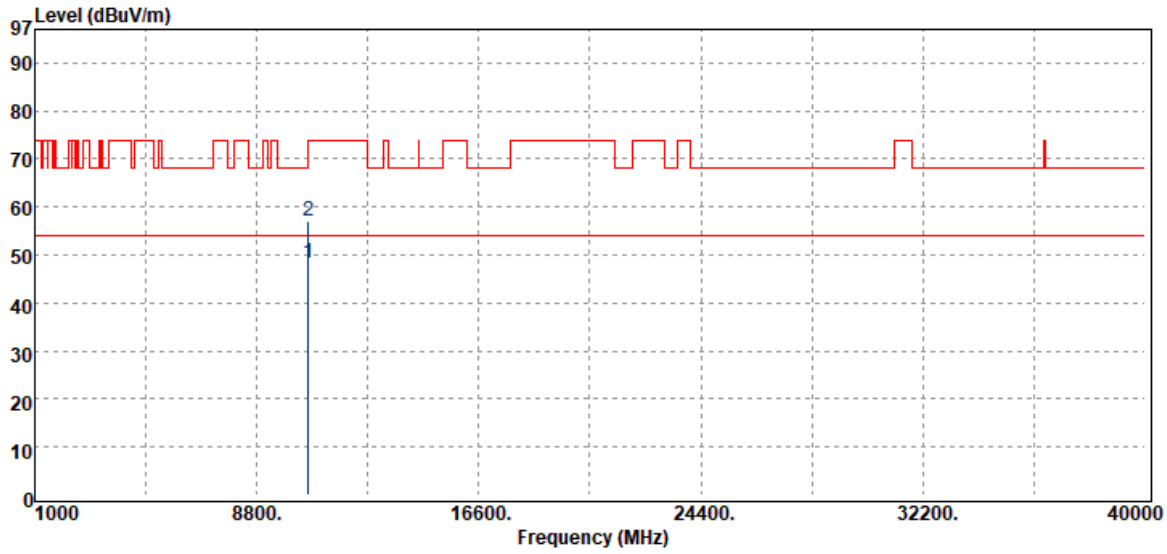
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5300 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10600.00	Average	21.61	26.78	48.39	54.00	-5.61
10600.00	Peak	30.30	26.78	57.08	74.00	-16.92

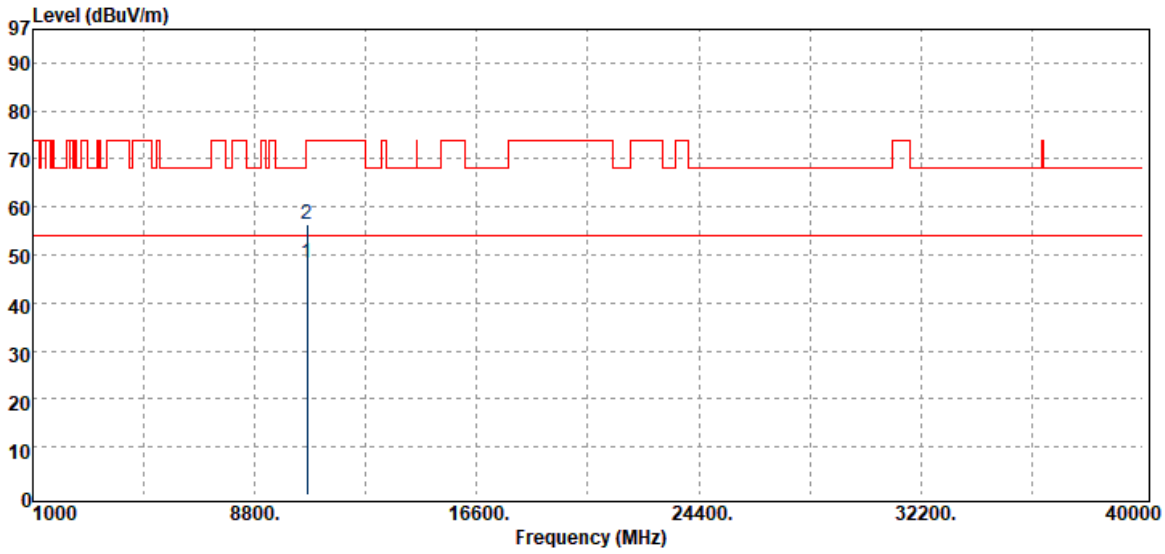
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5320 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10640.00	Average	21.81	26.51	48.32	54.00	-5.68
10640.00	Peak	30.02	26.51	56.53	74.00	-17.47

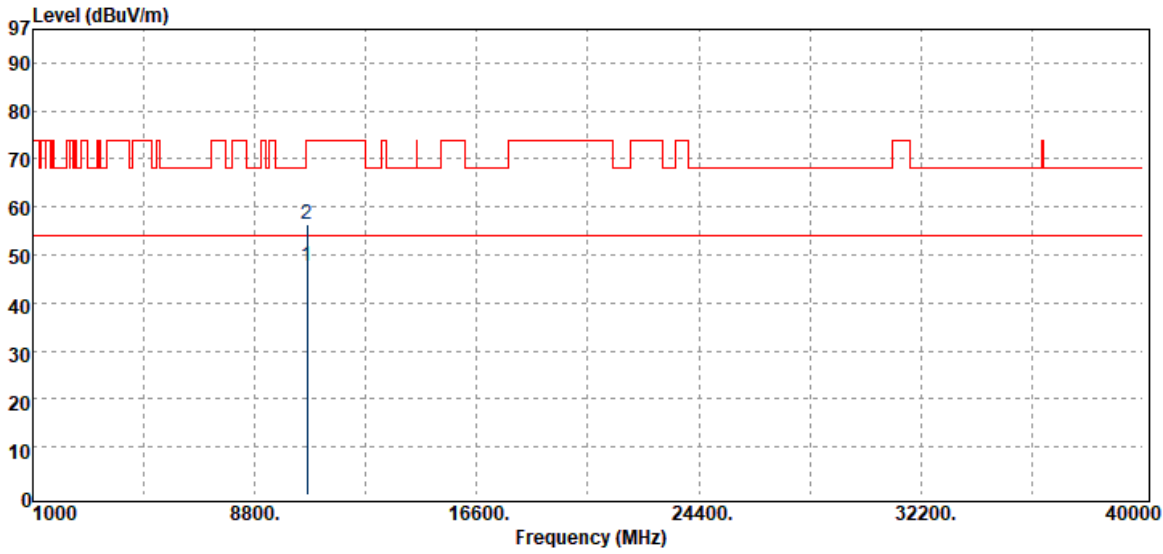
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5320 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10640.00	Average	21.31	26.51	47.82	54.00	-6.18
10640.00	Peak	29.75	26.51	56.26	74.00	-17.74

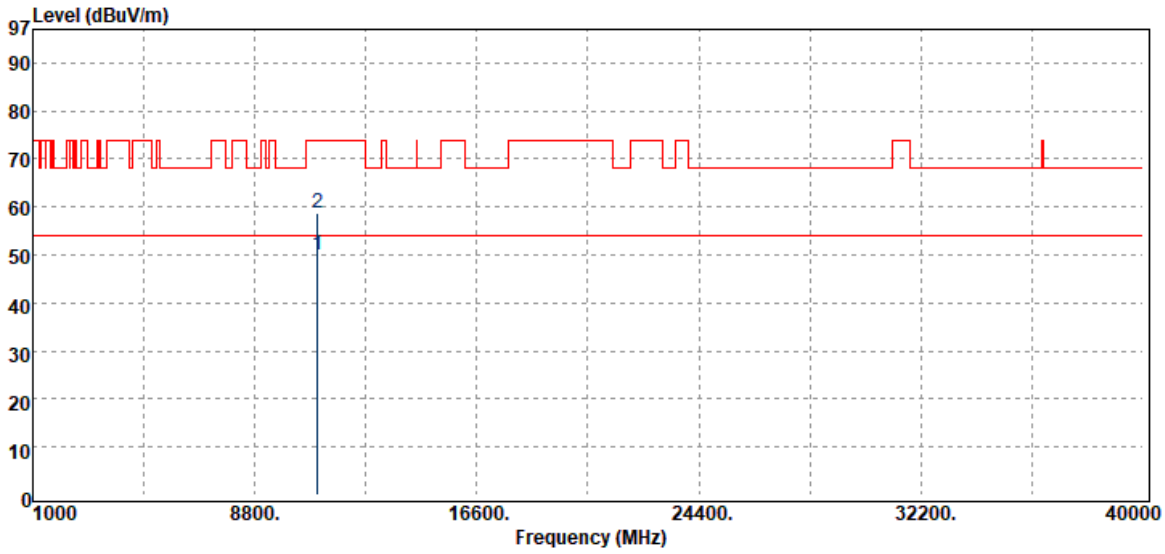
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5500 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11000.00	Average	22.72	27.32	50.04	54.00	-3.96
11000.00	Peak	31.48	27.32	58.80	74.00	-15.20

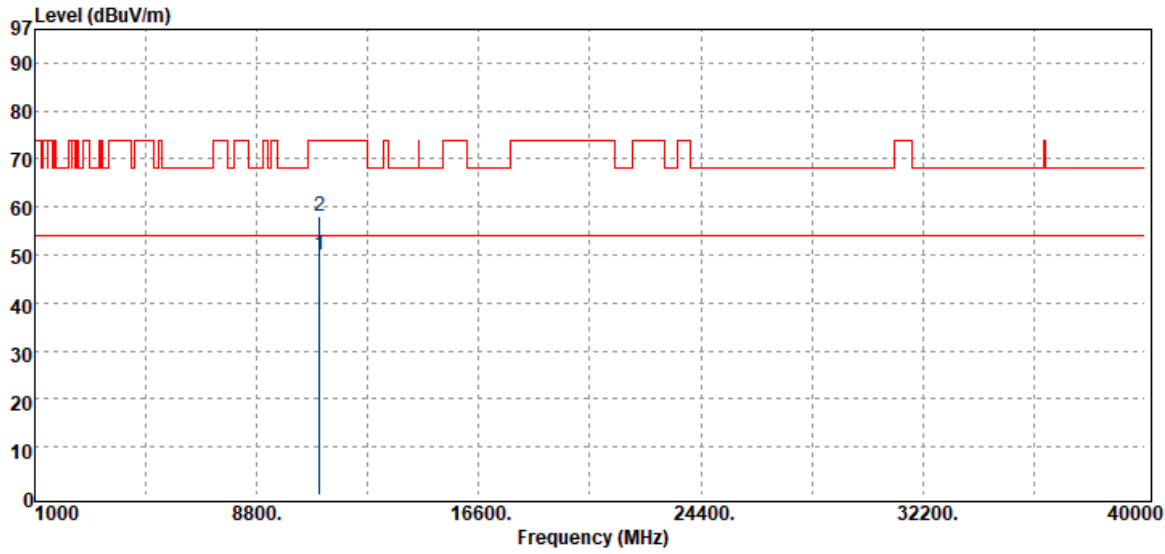
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5500 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



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	22.70	27.32	50.02	54.00	-3.98
11000.00	Peak	30.85	27.32	58.17	74.00	-15.83

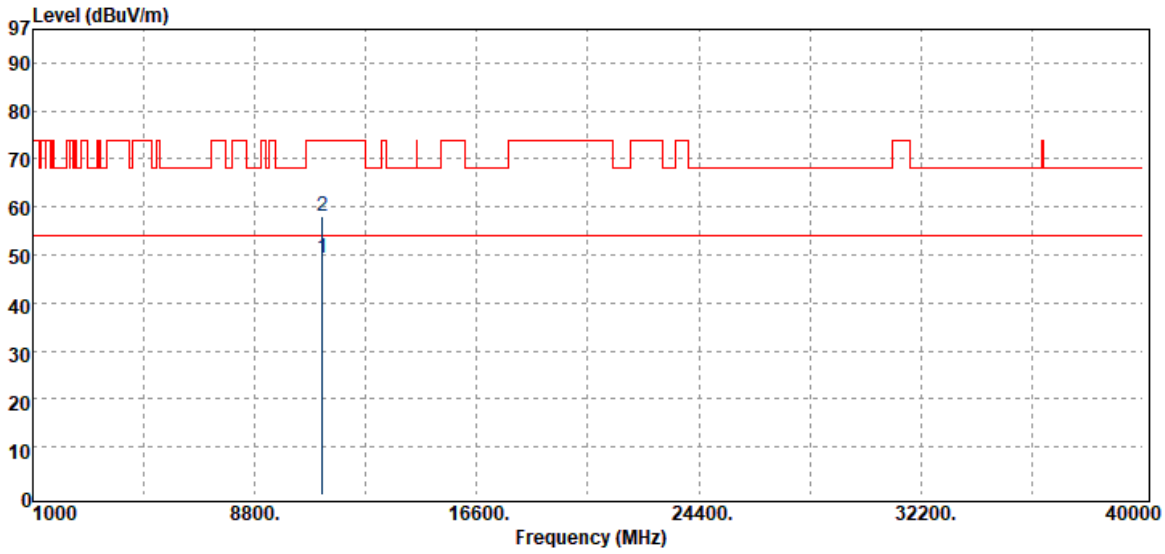
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5580 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11160.00	Average	22.43	26.98	49.41	54.00	-4.59
11160.00	Peak	30.97	26.98	57.95	74.00	-16.05

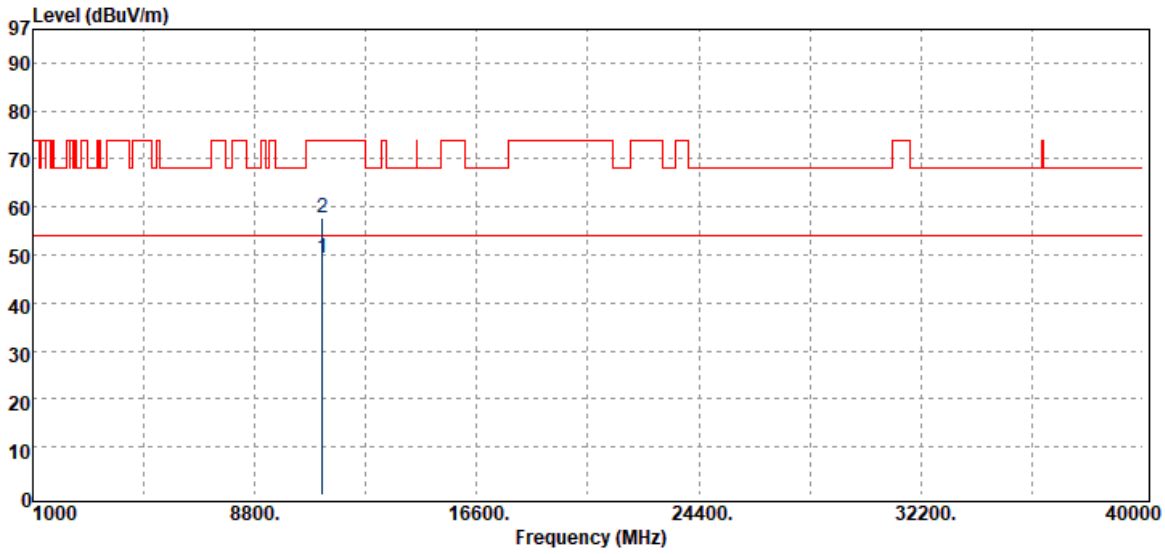
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5580 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11160.00	Average	22.29	26.98	49.27	54.00	-4.73
11160.00	Peak	30.78	26.98	57.76	74.00	-16.24

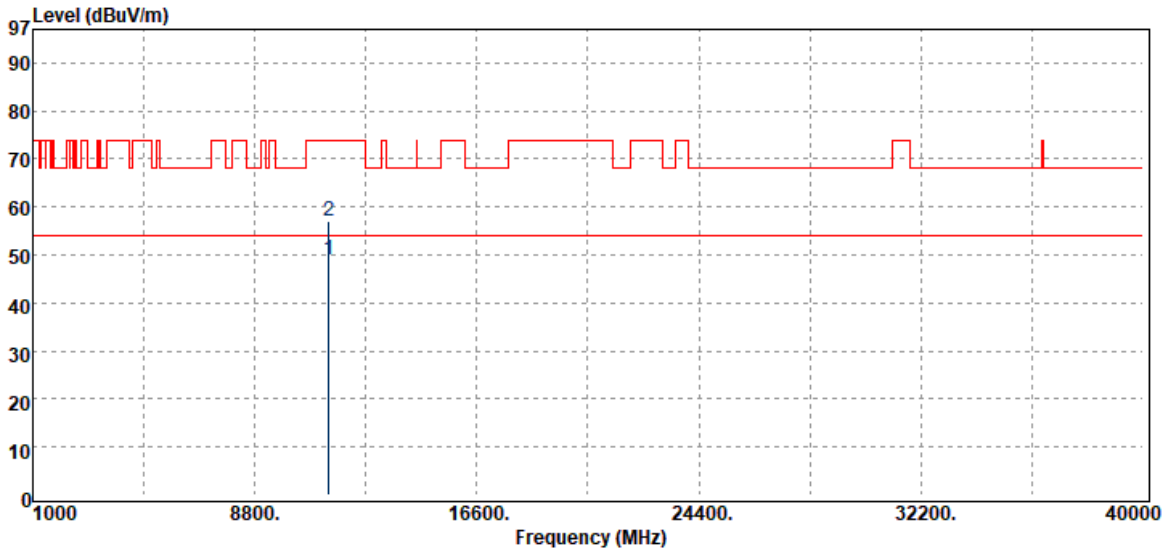
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5700 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11400.00	Average	21.38	27.54	48.92	54.00	-5.08
11400.00	Peak	29.37	27.54	56.91	74.00	-17.09

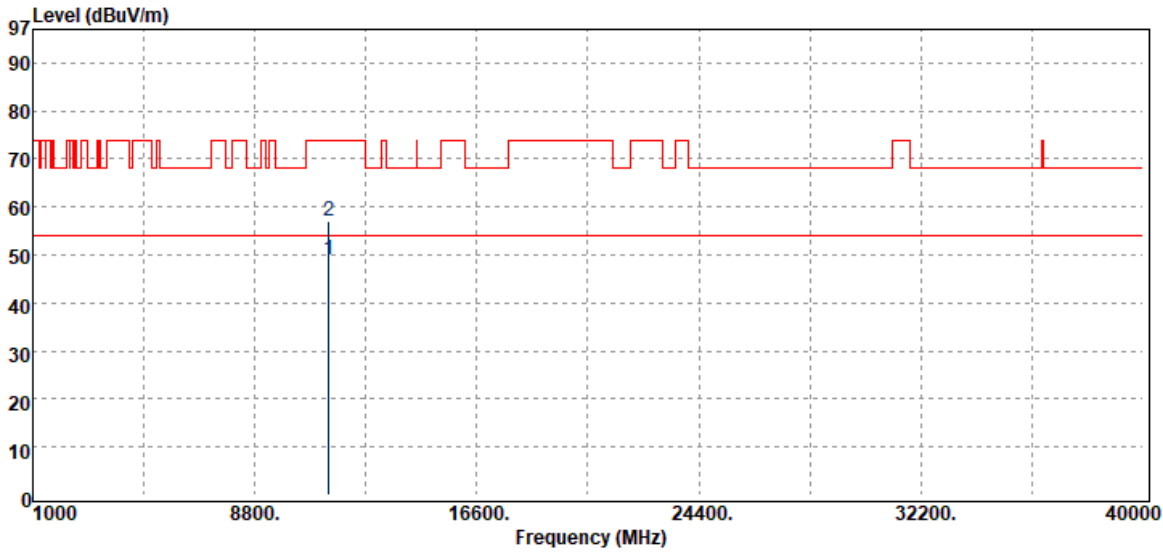
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5700 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11400.00	Average	21.36	27.54	48.90	54.00	-5.10
11400.00	Peak	29.63	27.54	57.17	74.00	-16.83

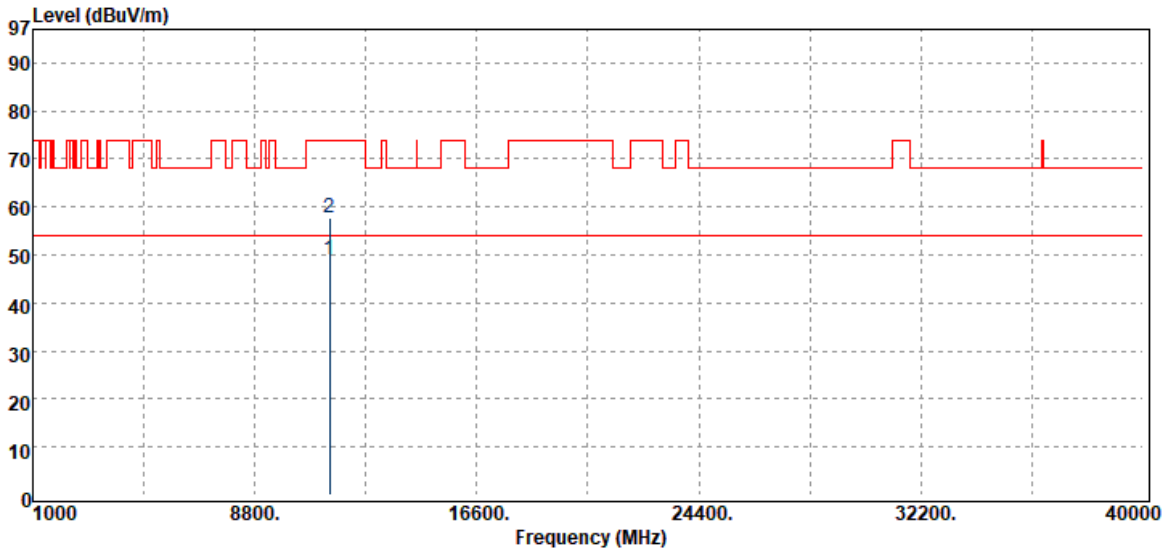
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Report Number :ER/2020/A0069
 Operation Mode :802.11n20
 Test Frequency :5720 MHz
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane

Test Site :SAC I Chamber
 Test Date :2020-11-06
 Temp./Humi. :22.8/70
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11440.00	Average	21.36	27.76	49.12	54.00	-4.88
11440.00	Peak	29.82	27.76	57.58	74.00	-16.42

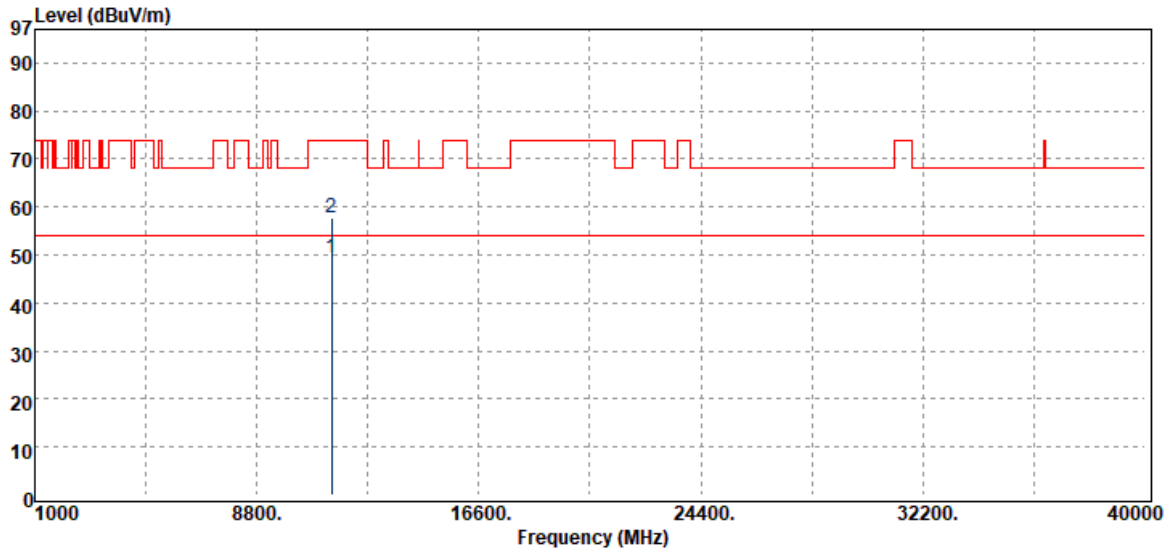
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5720 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11440.00	Average	21.45	27.76	49.21	54.00	-4.79
11440.00	Peak	30.11	27.76	57.87	74.00	-16.13

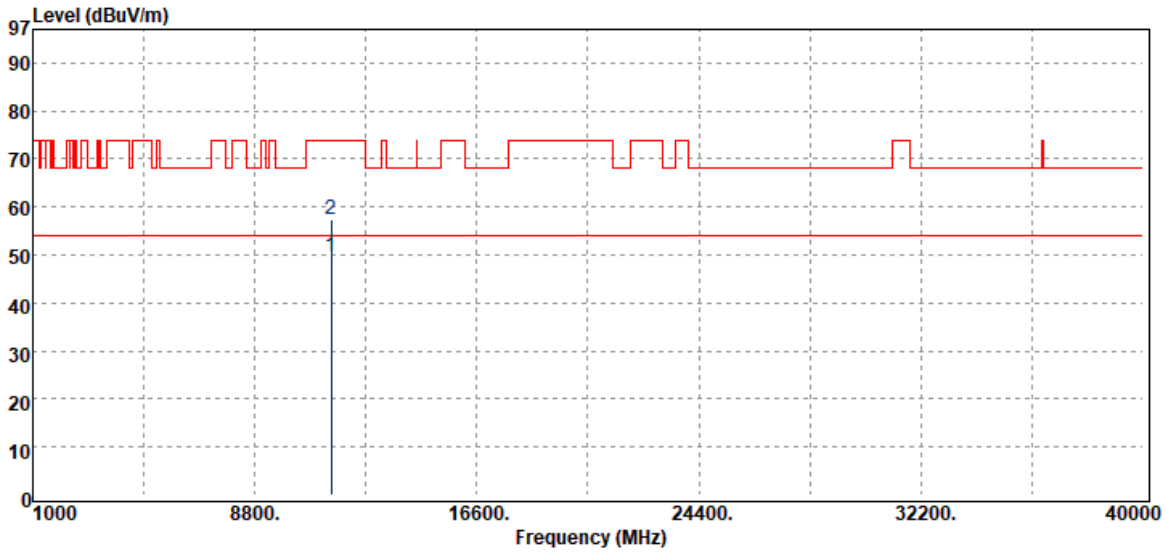
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5745 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11490.00	Average	21.64	28.07	49.71	54.00	-4.29
11490.00	Peak	29.36	28.07	57.43	74.00	-16.57

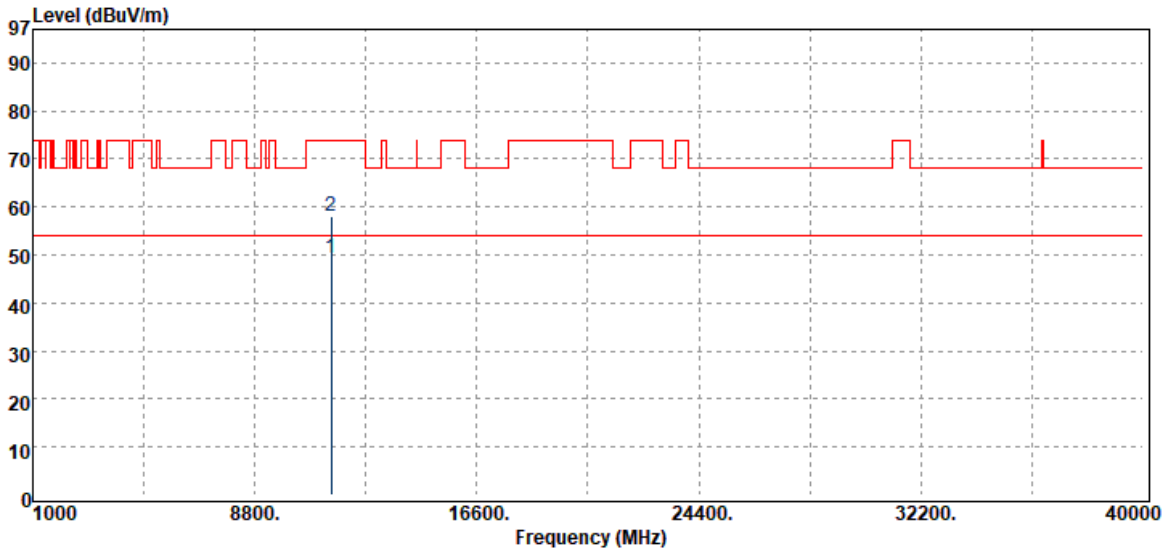
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5745 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11490.00	Average	21.37	28.07	49.44	54.00	-4.56
11490.00	Peak	30.03	28.07	58.10	74.00	-15.90

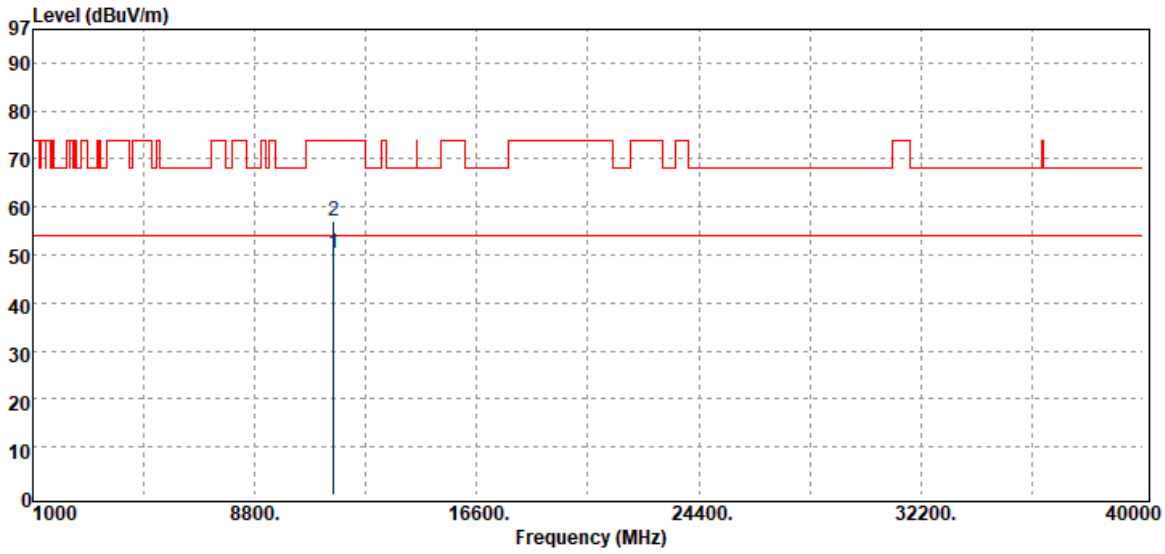
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5785 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11570.00	Average	23.24	27.18	50.42	54.00	-3.58
11570.00	Peak	30.04	27.18	57.22	74.00	-16.78

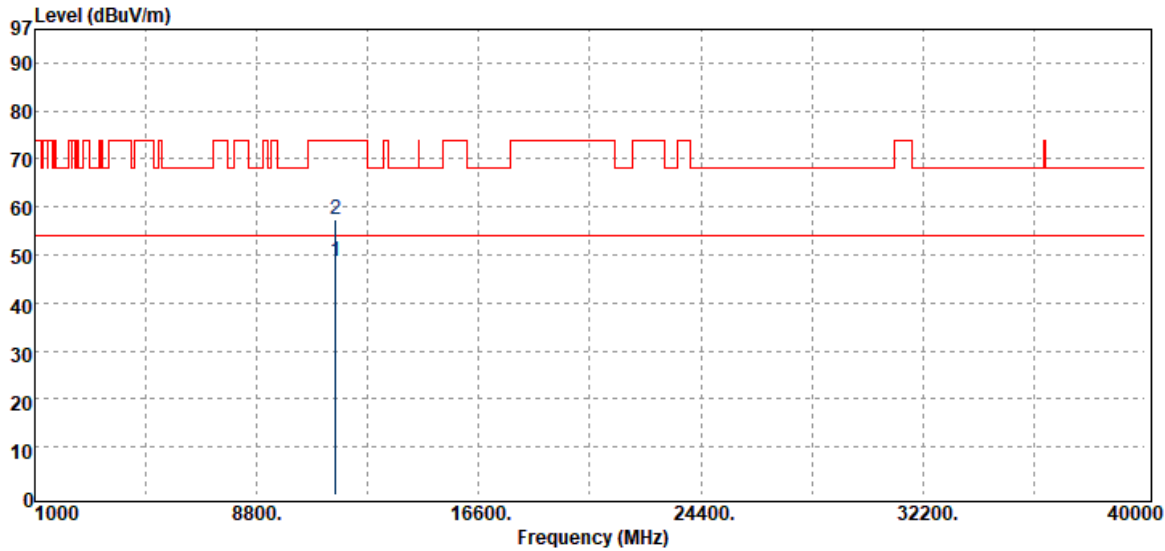
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5785 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11570.00	Average	21.63	27.18	48.81	54.00	-5.19
11570.00	Peak	30.29	27.18	57.47	74.00	-16.53

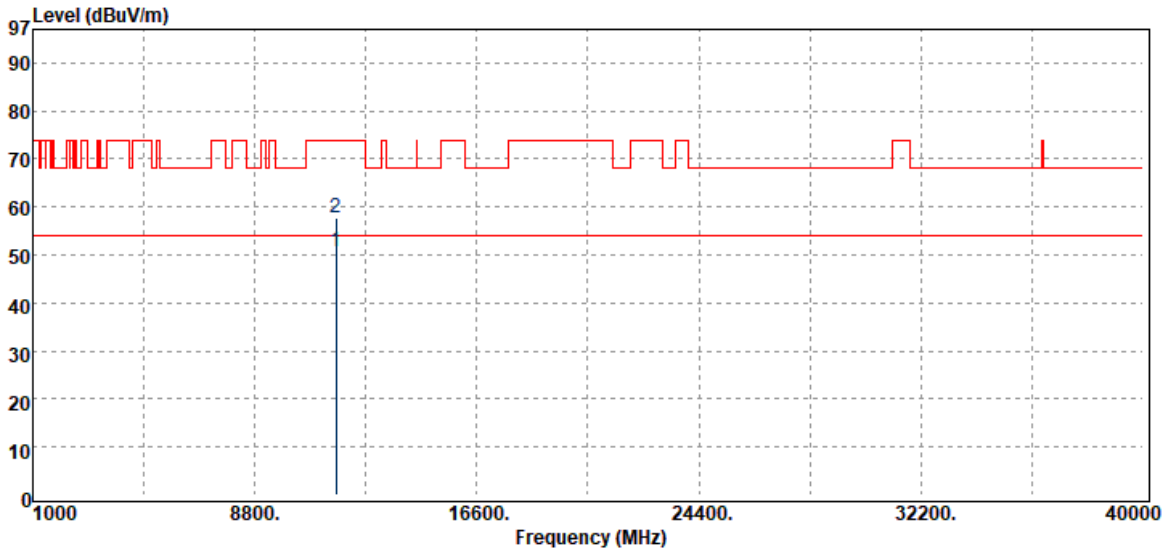
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5825 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11650.00	Average	22.99	27.69	50.68	54.00	-3.32
11650.00	Peak	30.16	27.69	57.85	74.00	-16.15

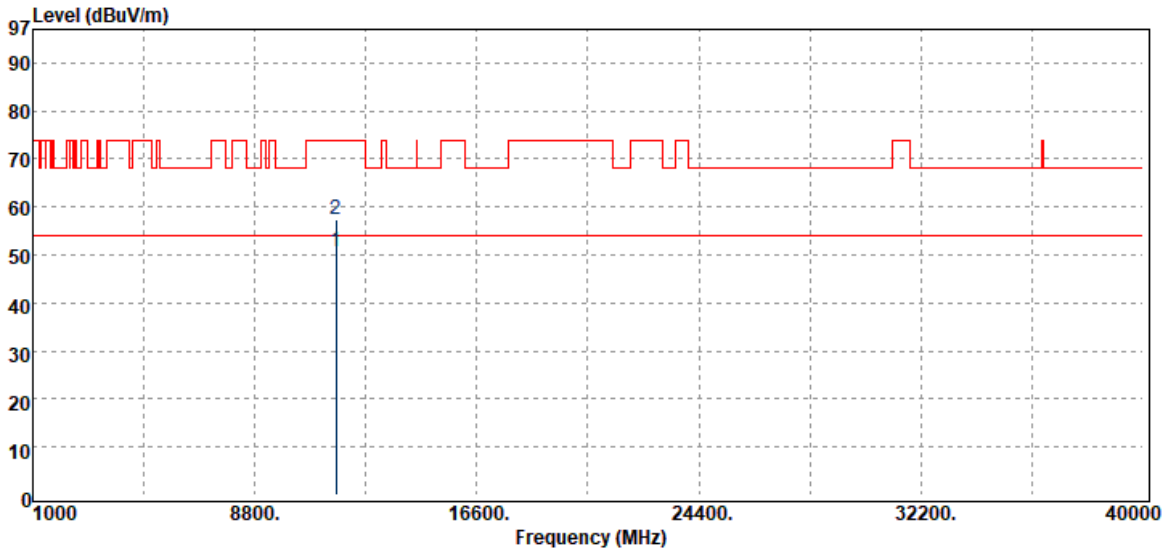
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5825 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-06
Temp./Humi. :22.8/70
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
11650.00	Average	22.96	27.69	50.65	54.00	-3.35
11650.00	Peak	29.67	27.69	57.36	74.00	-16.64

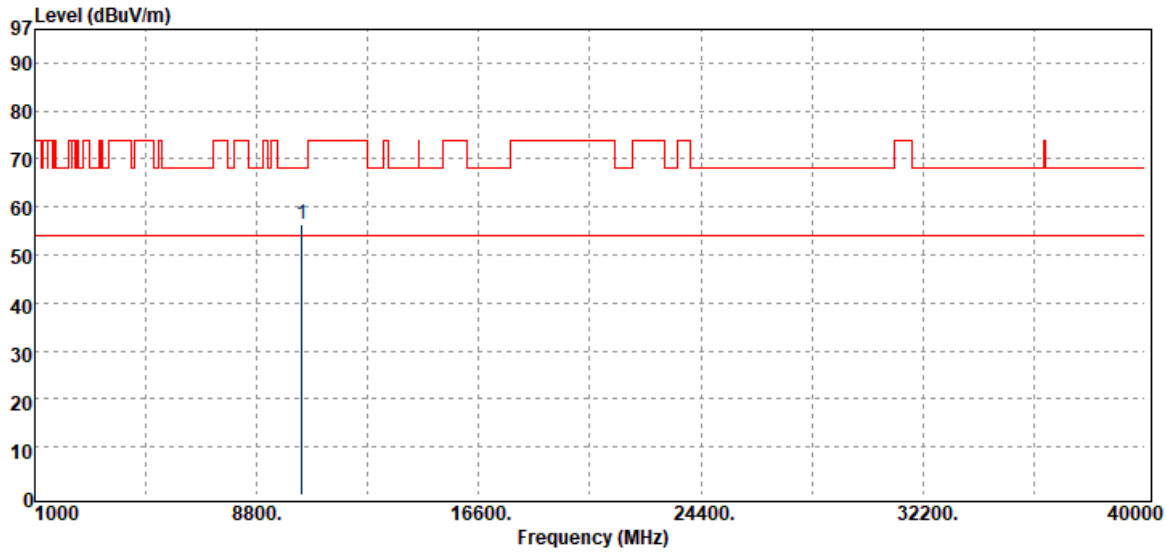
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5190 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10380.00	Peak	29.88	26.61	56.49	68.20	-11.71

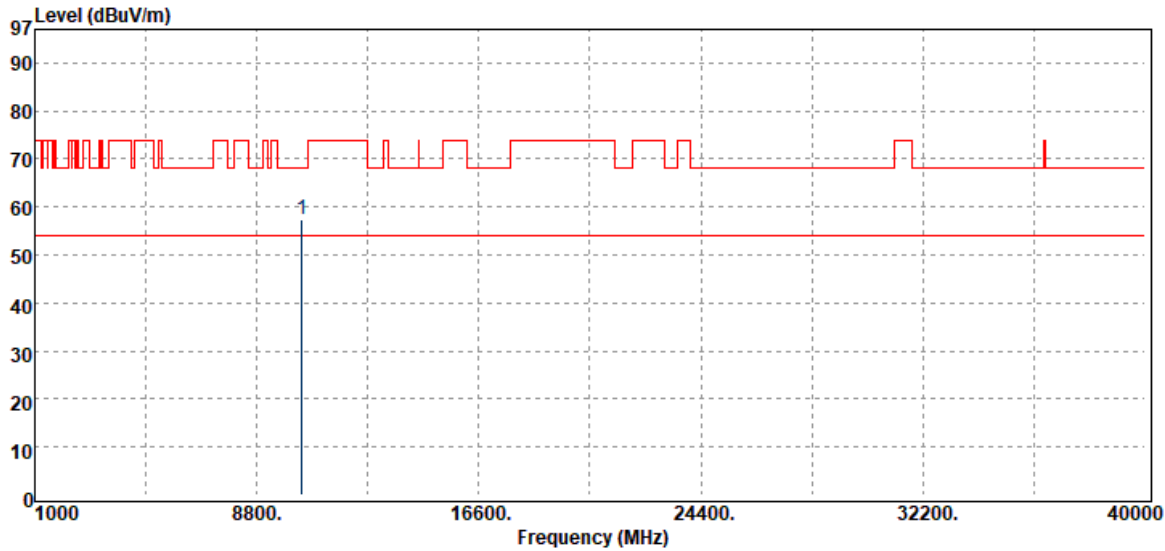
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5190 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10380.00	Peak	30.65	26.61	57.26	68.20	-10.94

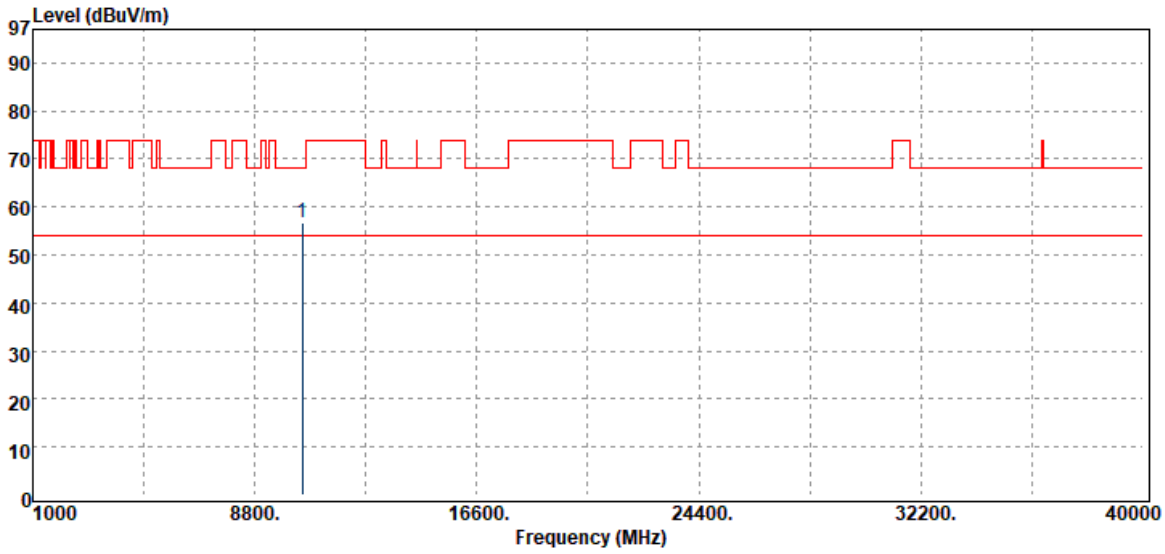
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5230 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10460.00	Peak	30.22	26.63	56.85	68.20	-11.35

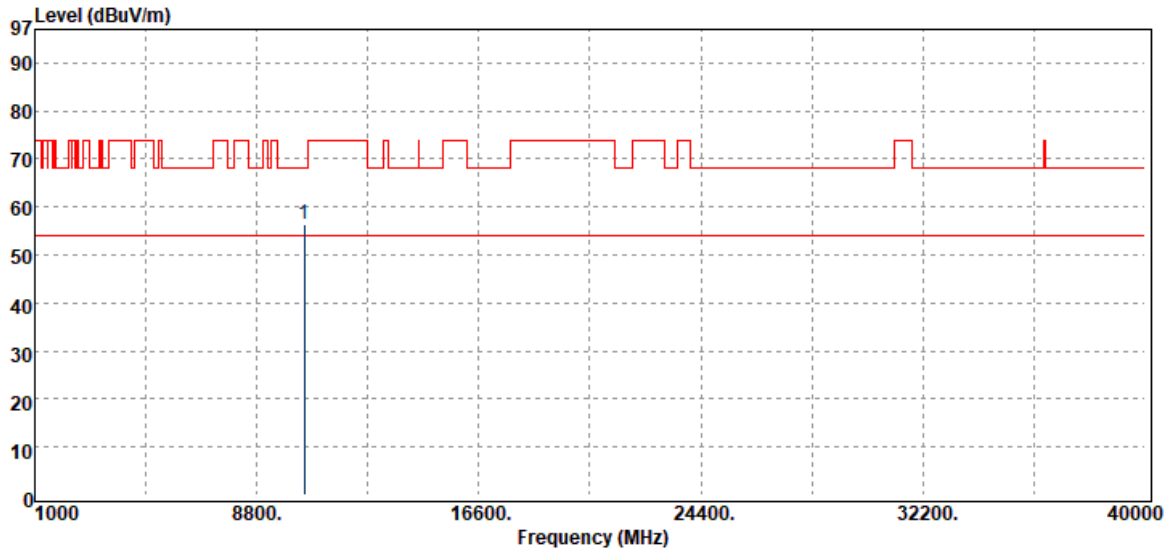
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5230 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10460.00	Peak	29.61	26.63	56.24	68.20	-11.96

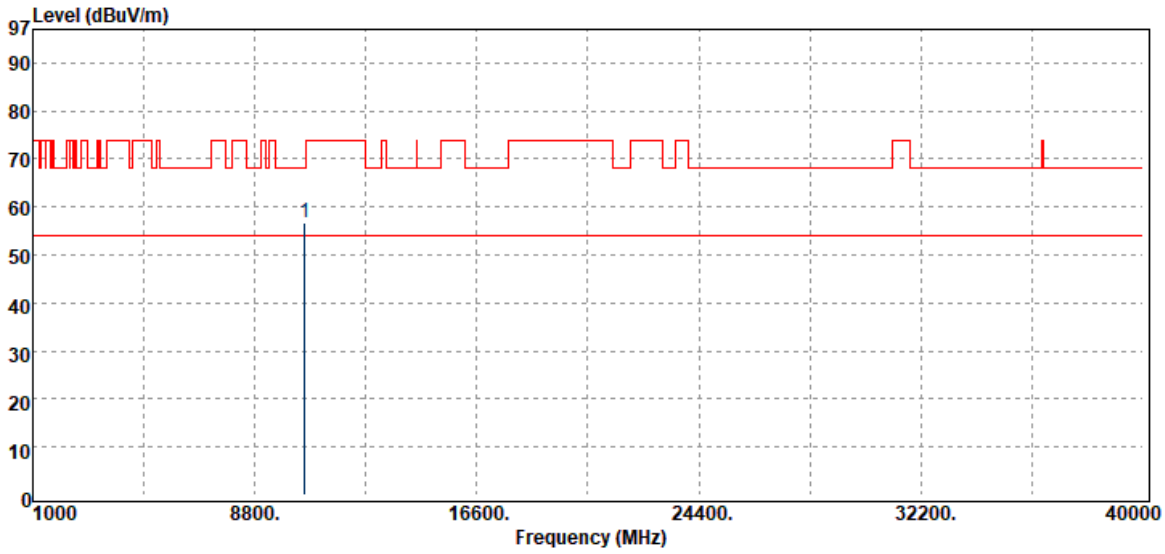
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5270 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10540.00	Peak	30.35	26.47	56.82	68.20	-11.38

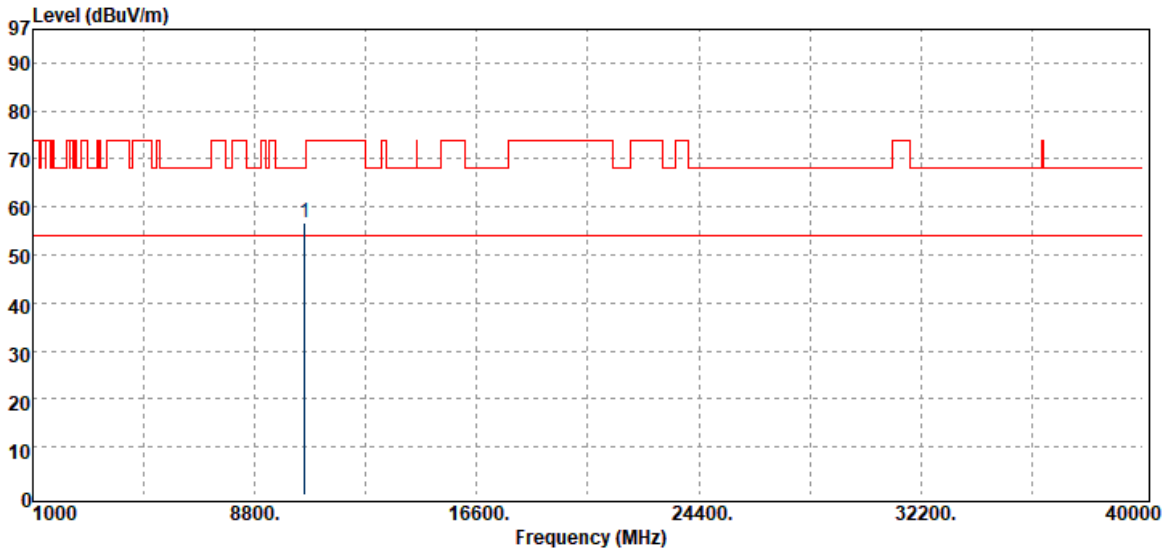
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5270 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10540.00	Peak	30.11	26.47	56.58	68.20	-11.62

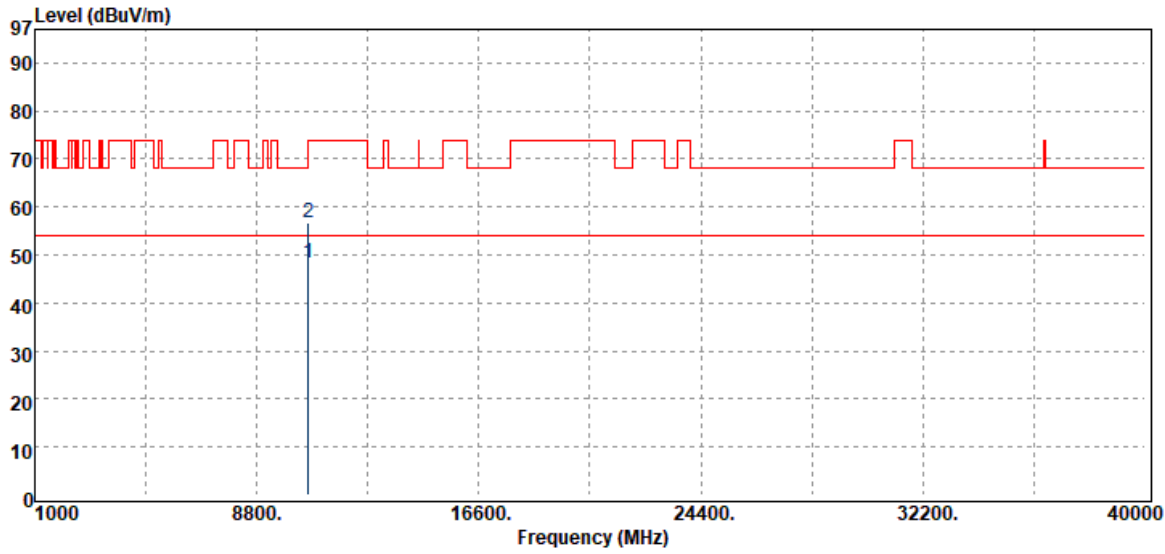
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5310 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10620.00	Average	21.83	26.64	48.47	54.00	-5.53
10620.00	Peak	30.20	26.64	56.84	74.00	-17.16

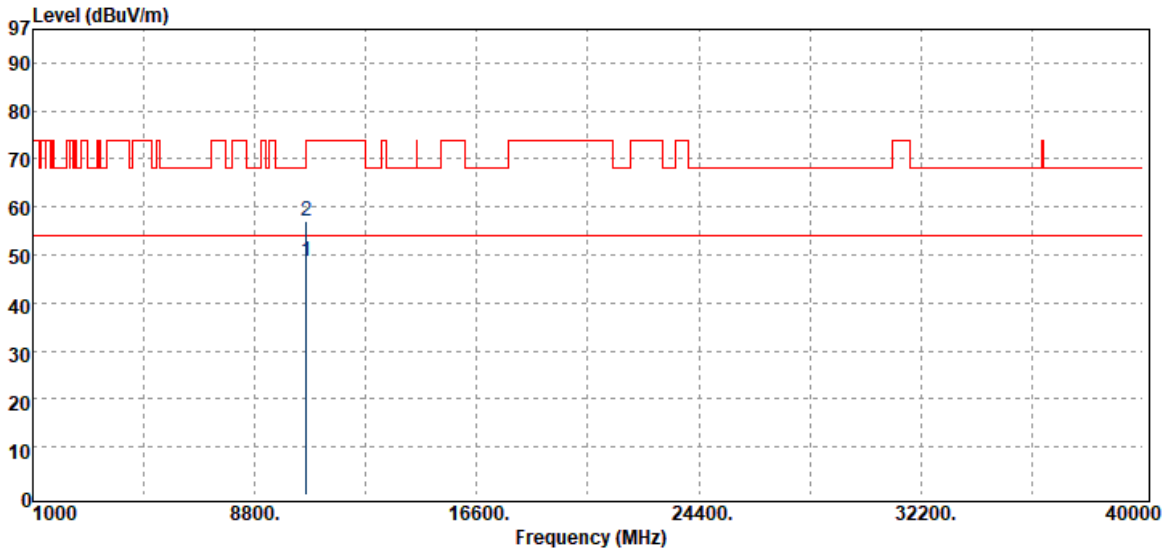
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5310 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10620.00	Average	22.09	26.64	48.73	54.00	-5.27
10620.00	Peak	30.53	26.64	57.17	74.00	-16.83

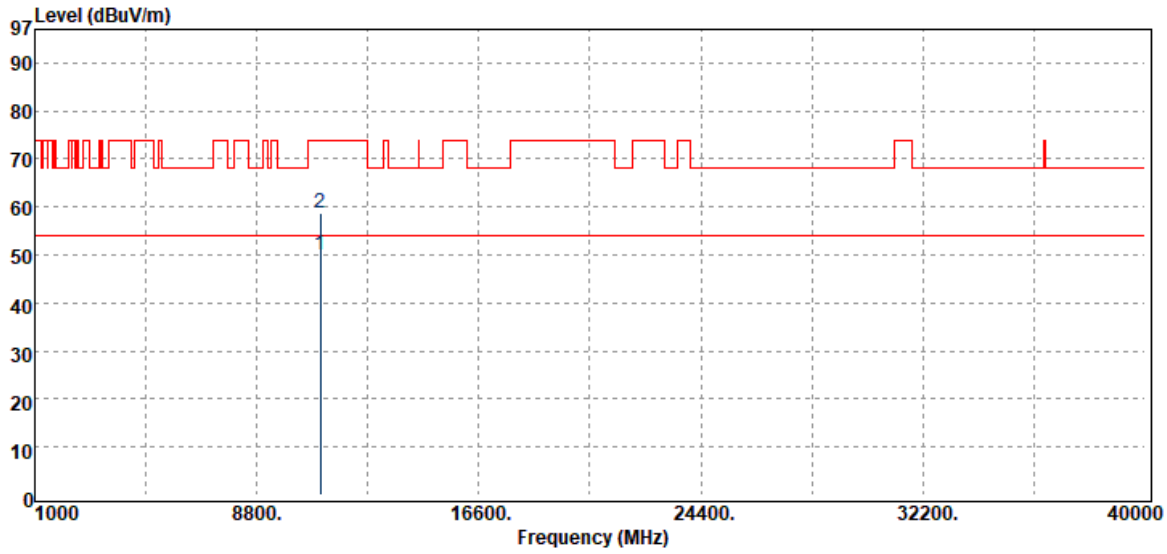
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5510 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11020.00	Average	22.77	27.09	49.86	54.00	-4.14
11020.00	Peak	31.49	27.09	58.58	74.00	-15.42

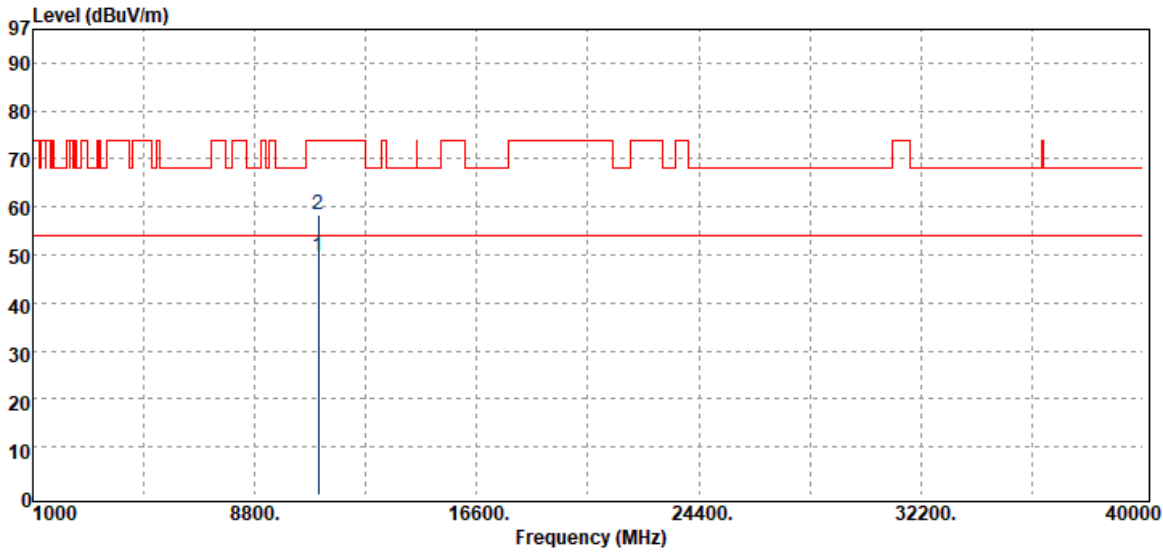
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5510 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11020.00	Average	22.72	27.09	49.81	54.00	-4.19
11020.00	Peak	31.32	27.09	58.41	74.00	-15.59

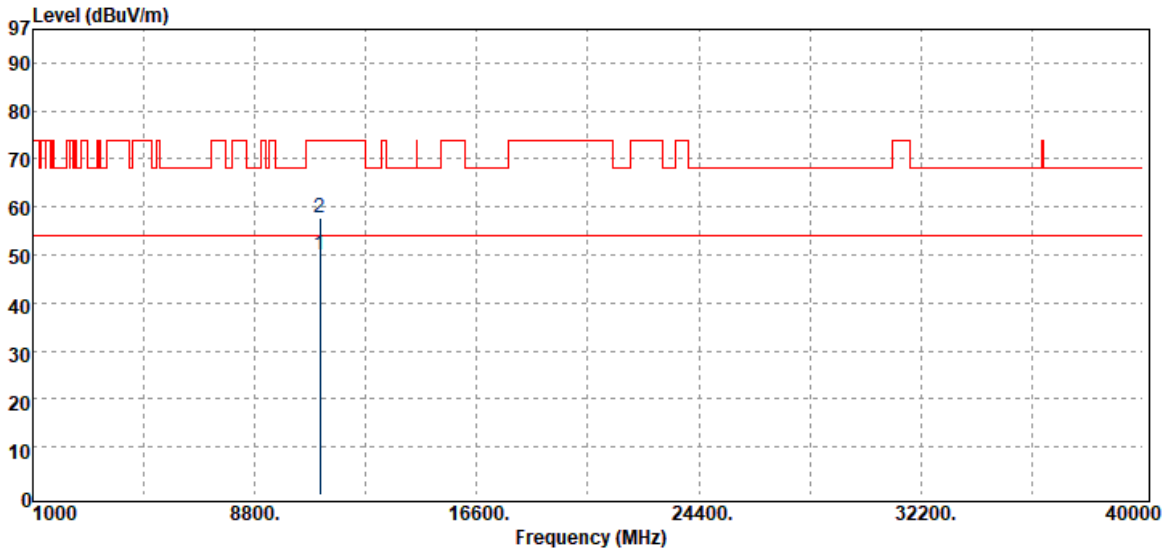
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5550 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11100.00	Average	22.90	27.23	50.13	54.00	-3.87
11100.00	Peak	30.65	27.23	57.88	74.00	-16.12

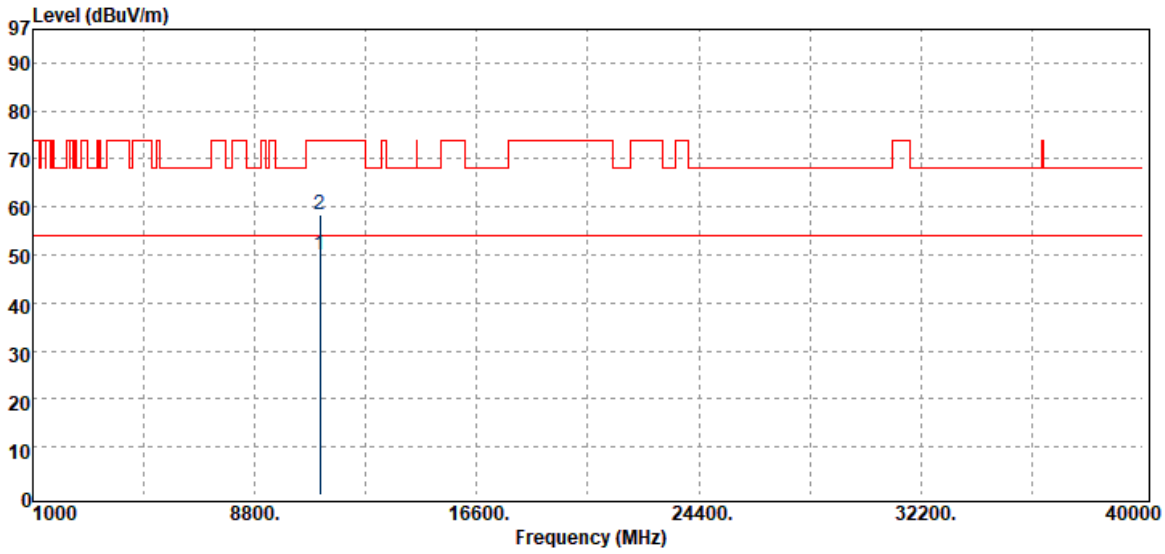
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5550 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11100.00	Average	22.85	27.23	50.08	54.00	-3.92
11100.00	Peak	31.02	27.23	58.25	74.00	-15.75

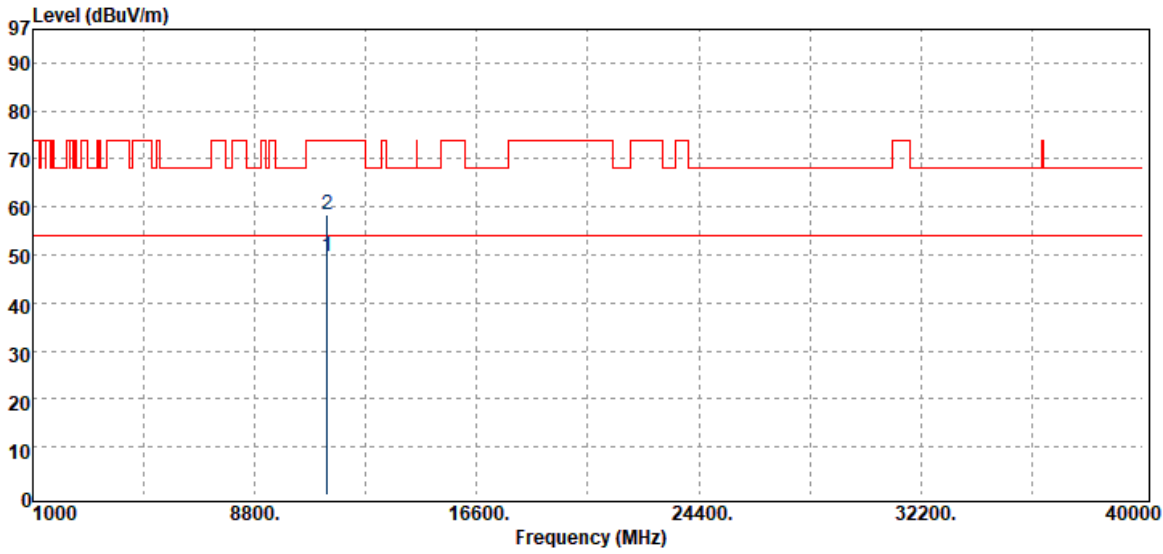
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5670 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11340.00	Average	21.84	27.77	49.61	54.00	-4.39
11340.00	Peak	30.61	27.77	58.38	74.00	-15.62

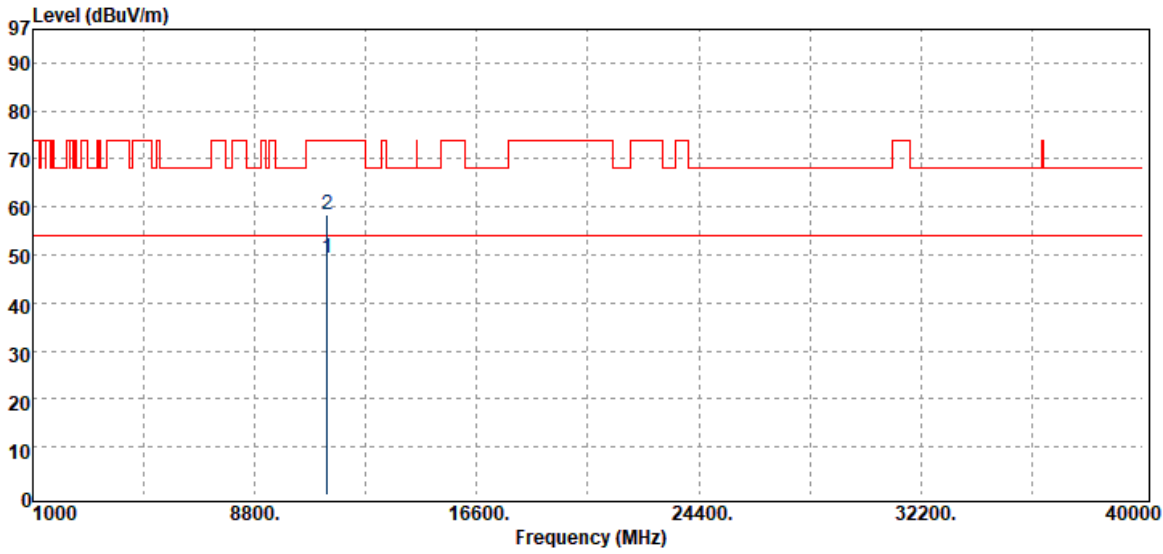
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5670 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11340.00	Average	21.72	27.77	49.49	54.00	-4.51
11340.00	Peak	30.65	27.77	58.42	74.00	-15.58

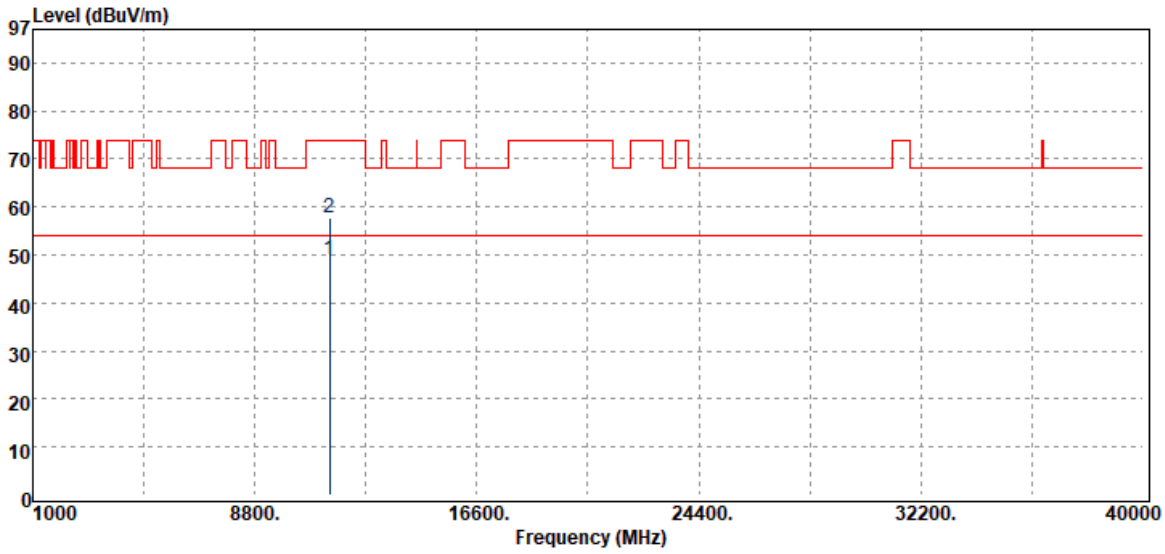
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5710 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11420.00	Average	21.45	27.66	49.11	54.00	-4.89
11420.00	Peak	29.91	27.66	57.57	74.00	-16.43

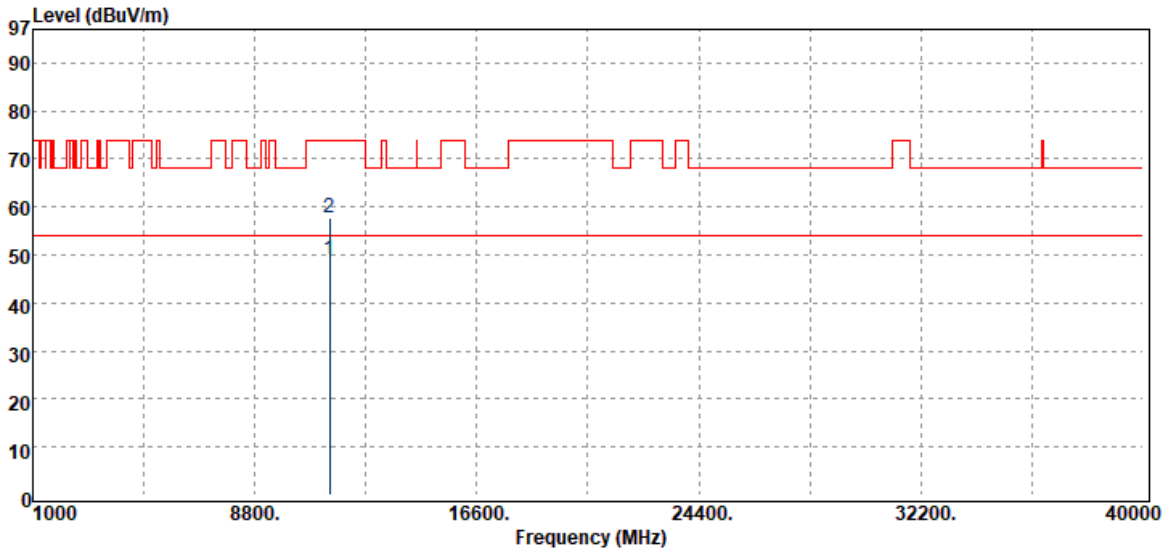
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5710 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11420.00	Average	21.36	27.66	49.02	54.00	-4.98
11420.00	Peak	30.10	27.66	57.76	74.00	-16.24

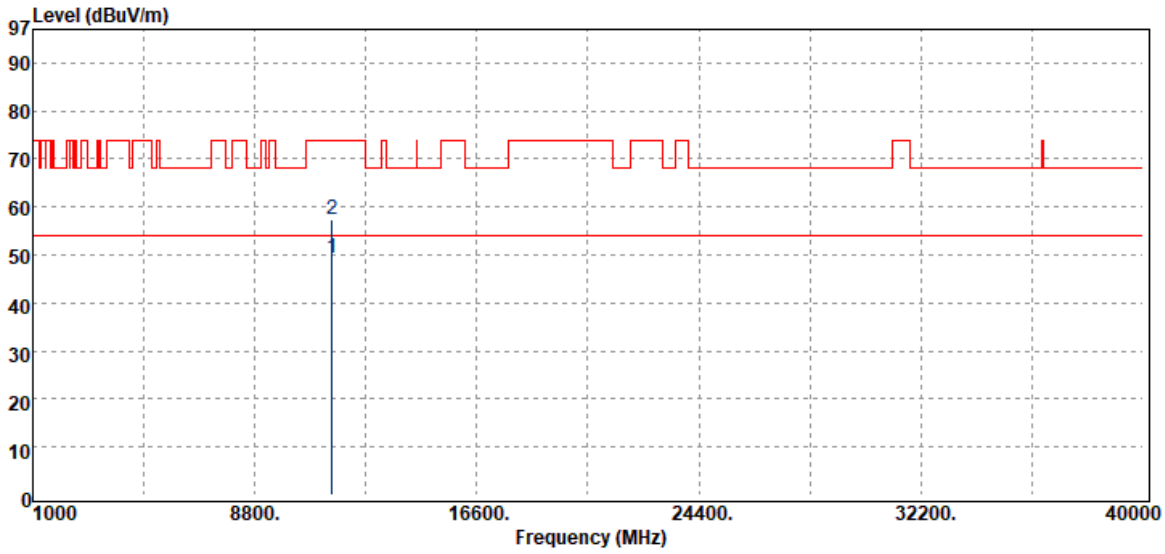
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5755 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11510.00	Average	21.53	27.96	49.49	54.00	-4.51
11510.00	Peak	29.35	27.96	57.31	74.00	-16.69

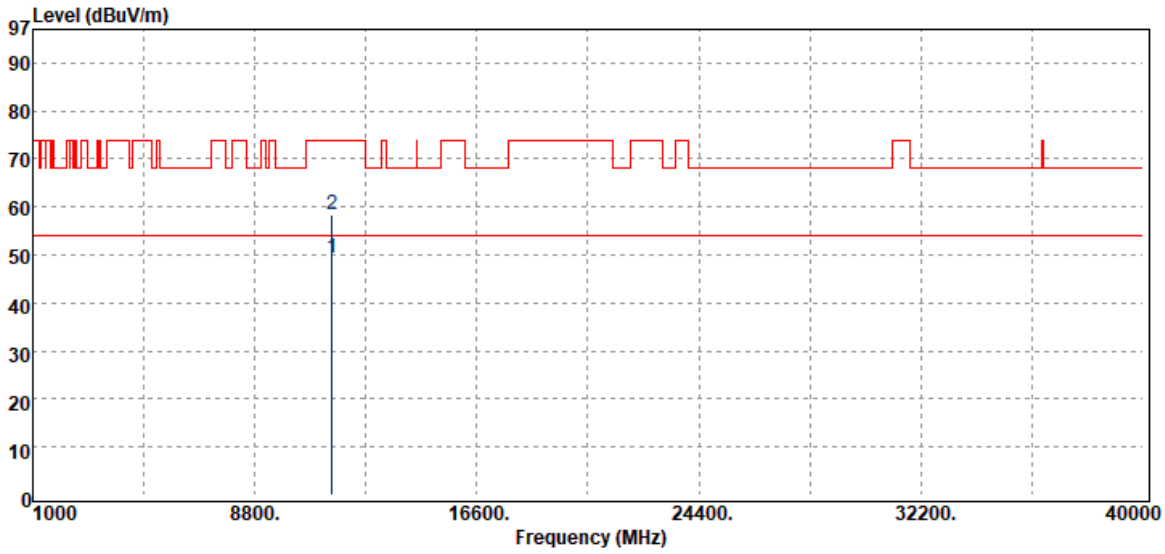
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5755 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11510.00	Average	21.46	27.96	49.42	54.00	-4.58
11510.00	Peak	30.32	27.96	58.28	74.00	-15.72

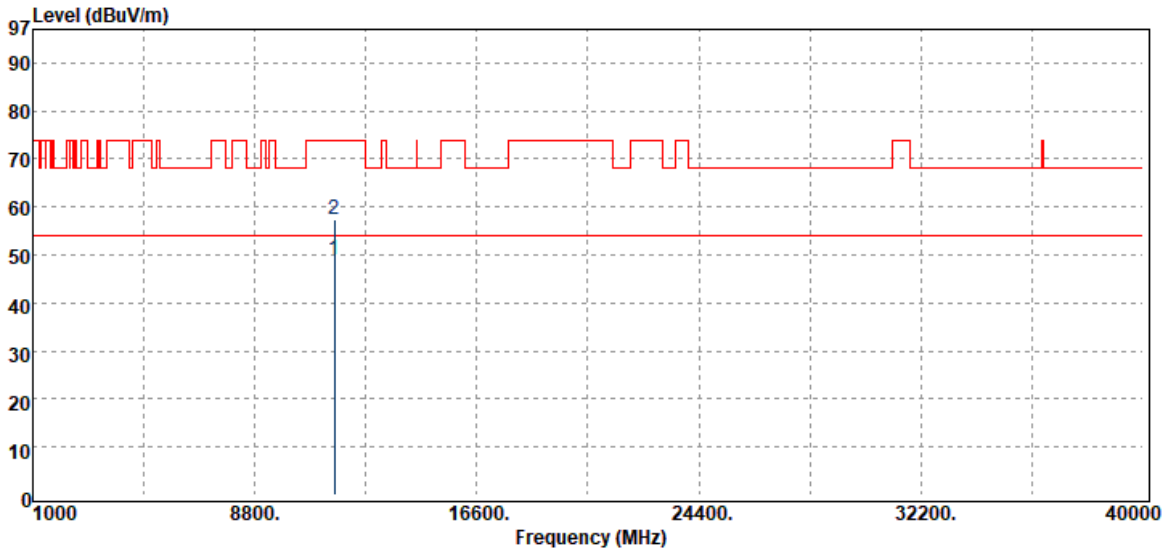
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5795 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11590.00	Average	21.85	27.12	48.97	54.00	-5.03
11590.00	Peak	30.43	27.12	57.55	74.00	-16.45

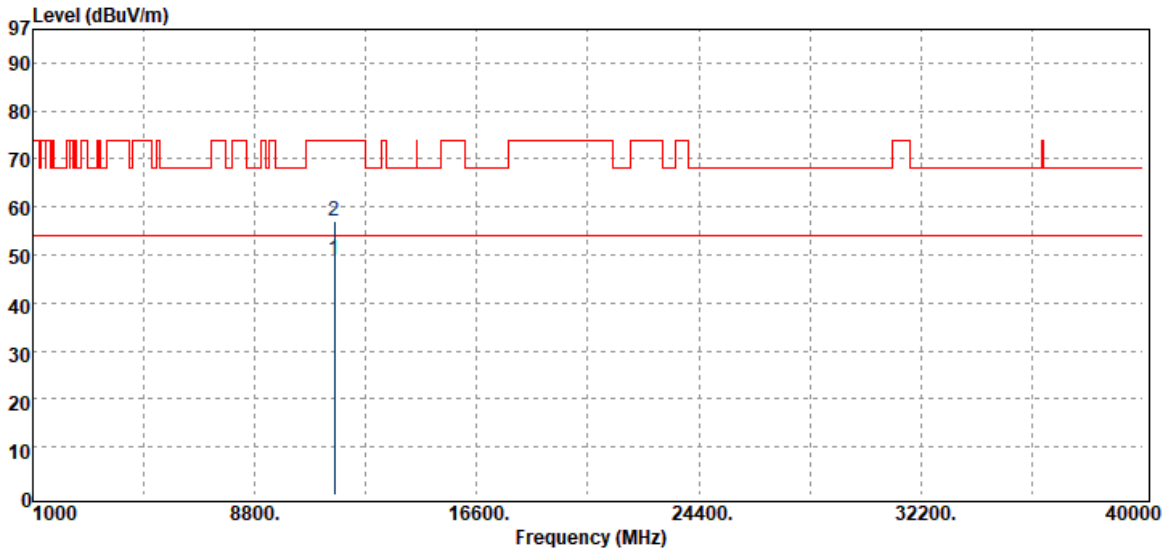
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5795 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11590.00	Average	21.86	27.12	48.98	54.00	-5.02
11590.00	Peak	29.81	27.12	56.93	74.00	-17.07

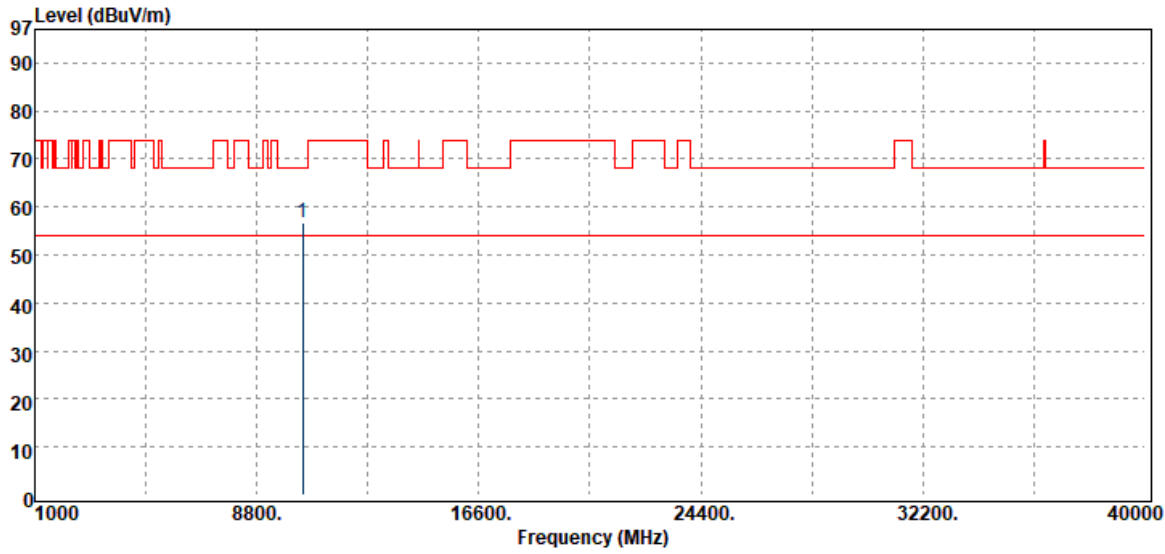
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5210 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10420.00	Peak	30.04	26.81	56.85	68.20	-11.35

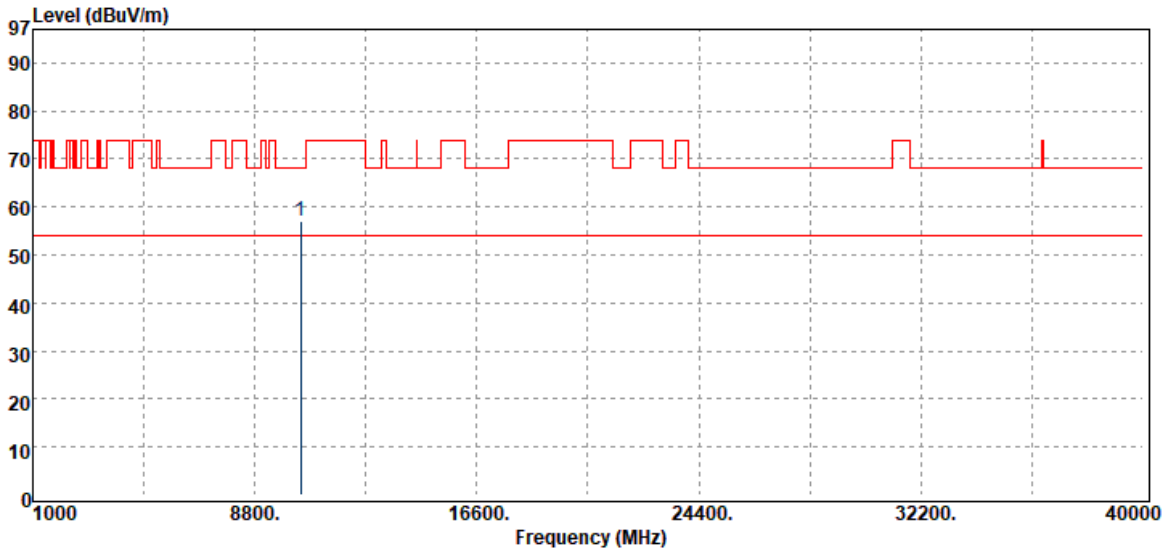
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5210 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10420.00	Peak	30.25	26.81	57.06	68.20	-11.14

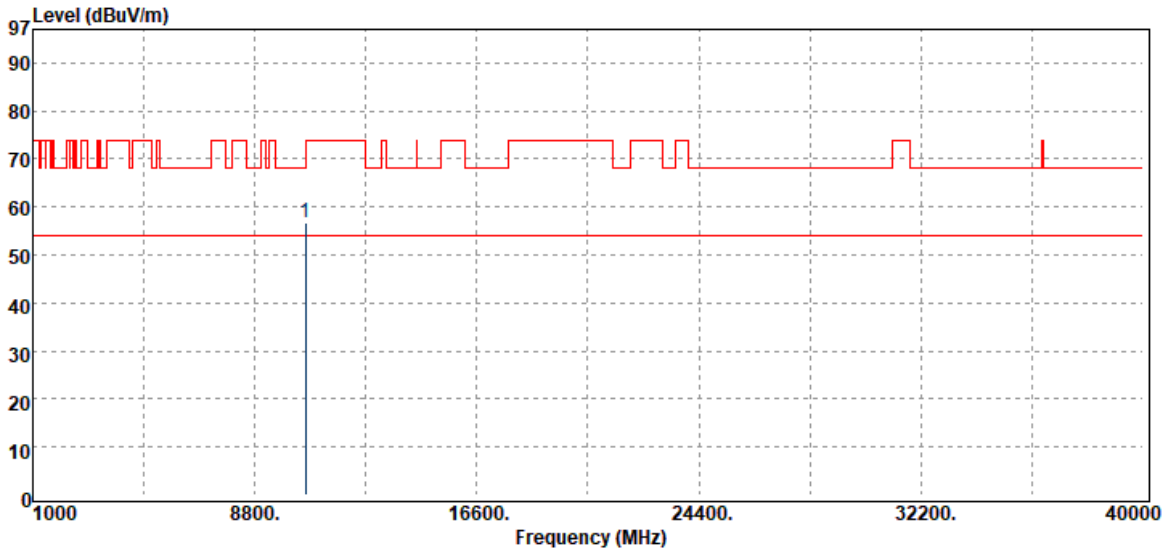
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5290 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10580.00	Peak	29.87	26.69	56.56	68.20	-11.64

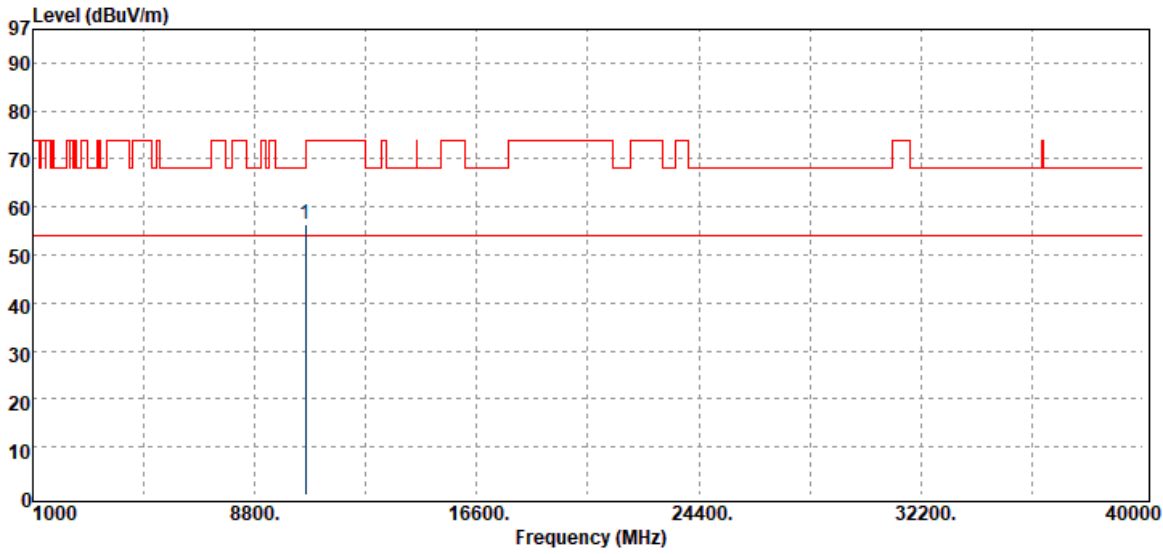
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5290 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10580.00	Peak	29.55	26.69	56.24	68.20	-11.96

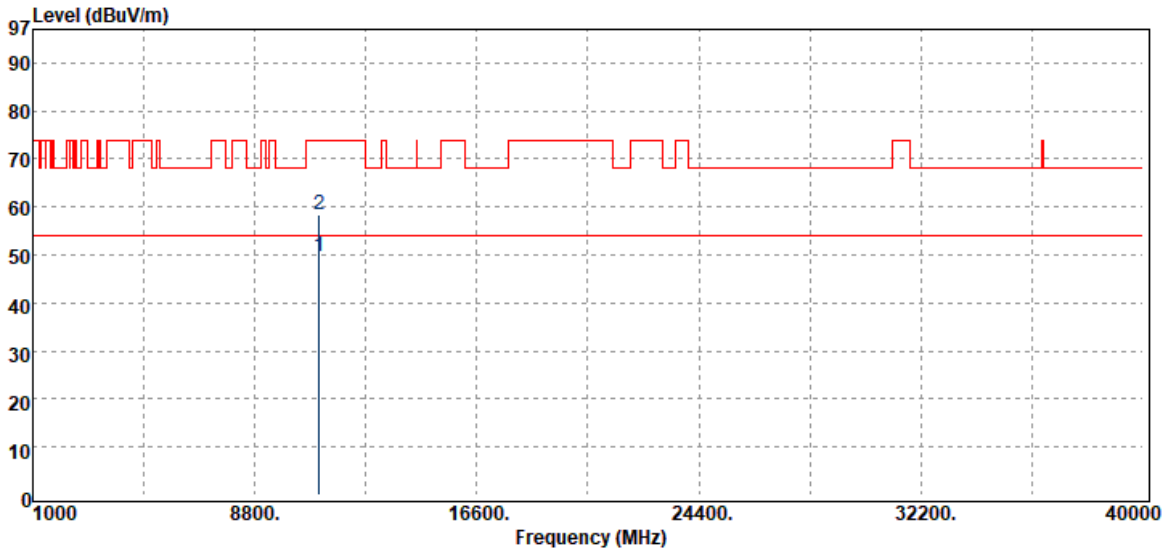
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5530 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11060.00	Average	22.96	26.84	49.80	54.00	-4.20
11060.00	Peak	31.68	26.84	58.52	74.00	-15.48

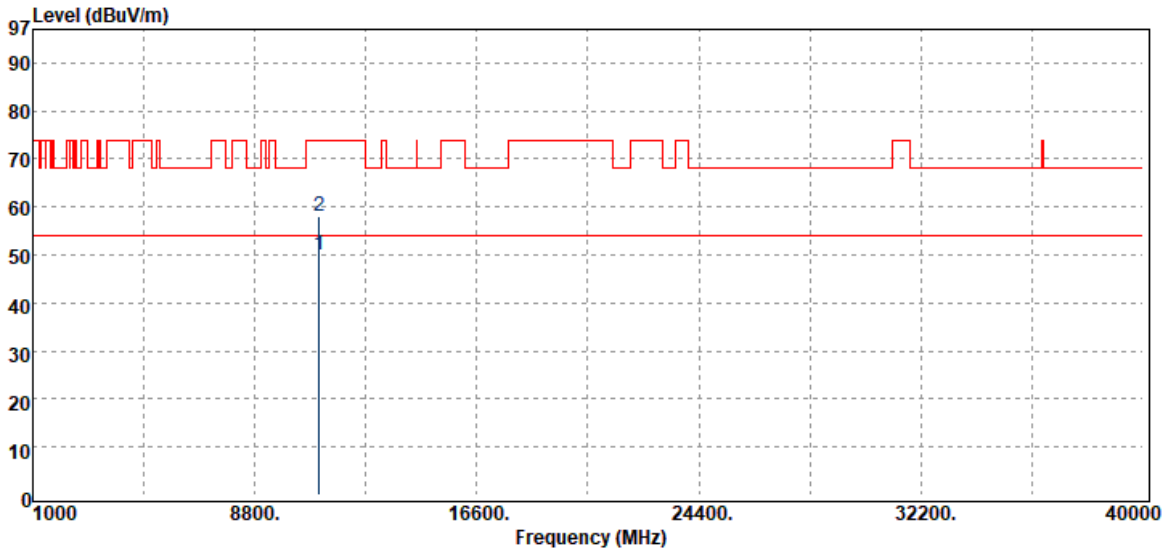
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5530 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11060.00	Average	23.11	26.84	49.95	54.00	-4.05
11060.00	Peak	31.37	26.84	58.21	74.00	-15.79

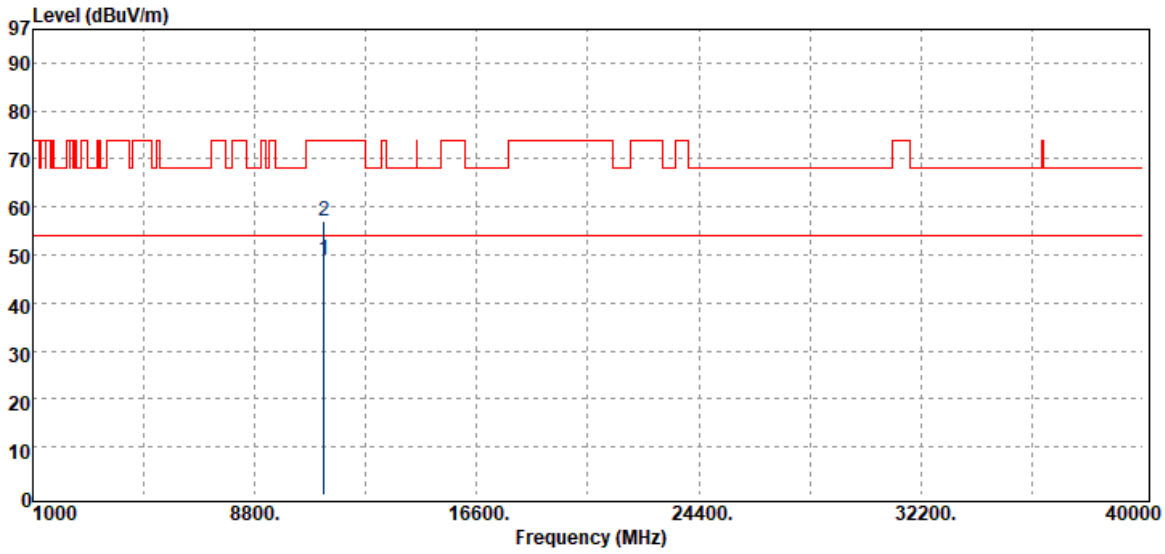
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5610 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11220.00	Average	22.37	26.68	49.05	54.00	-4.95
11220.00	Peak	30.43	26.68	57.11	74.00	-16.89

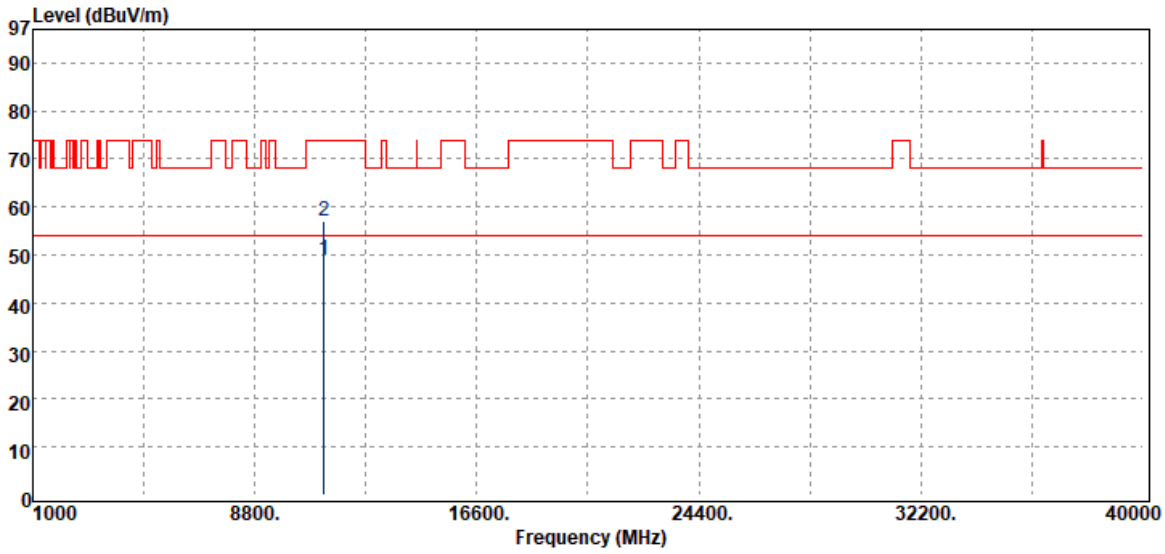
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5610 MHz
Test Mode :Tx CH Mid
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11220.00	Average	22.36	26.68	49.04	54.00	-4.96
11220.00	Peak	30.42	26.68	57.10	74.00	-16.90

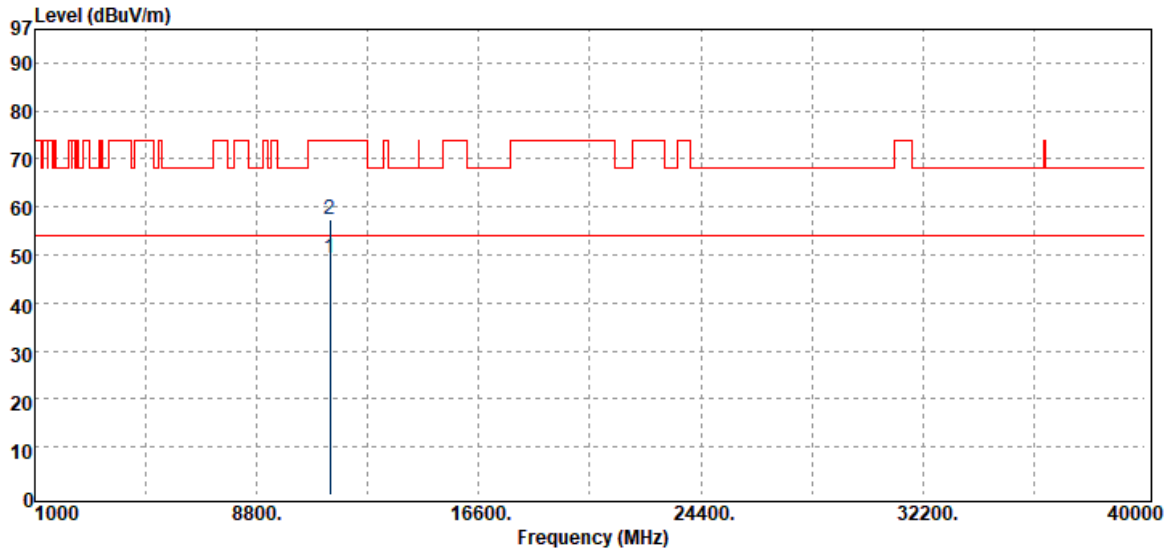
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5690 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11380.00	Average	21.86	27.63	49.49	54.00	-4.51
11380.00	Peak	29.91	27.63	57.54	74.00	-16.46

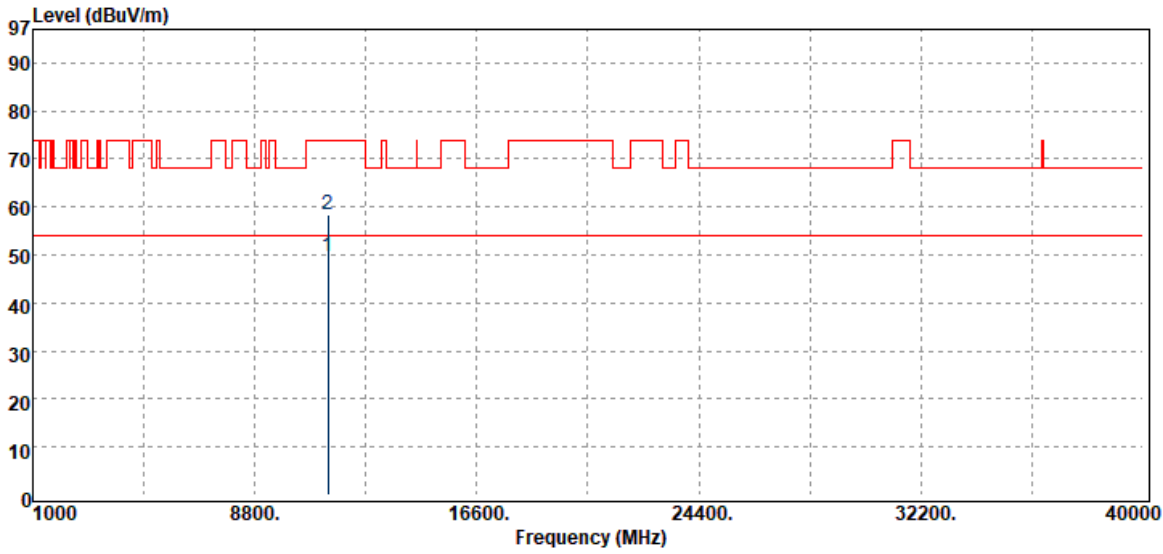
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5690 MHz
Test Mode :Tx CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11380.00	Average	21.94	27.63	49.57	54.00	-4.43
11380.00	Peak	30.65	27.63	58.28	74.00	-15.72

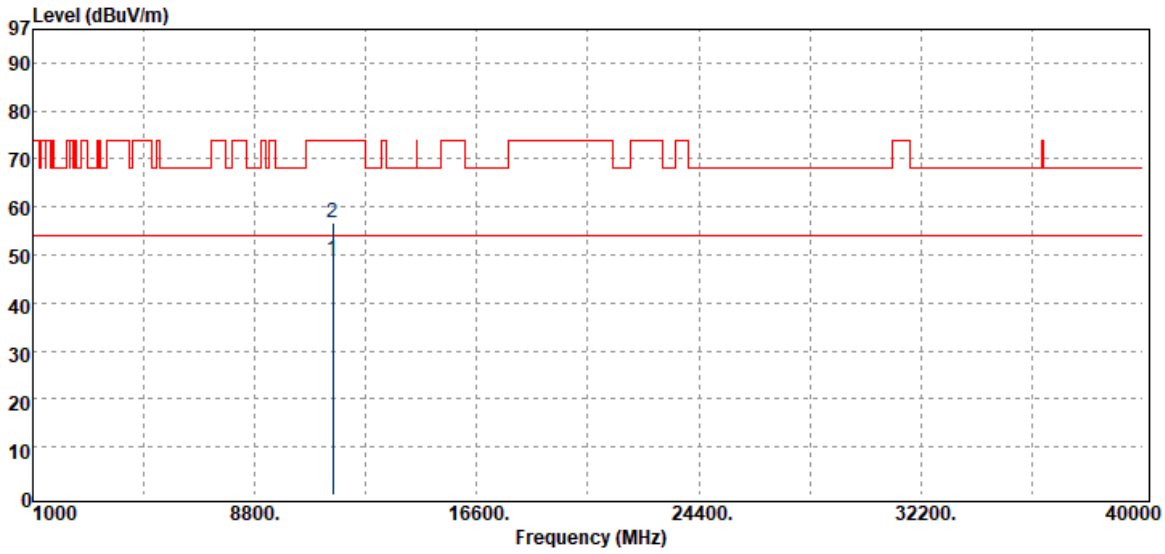
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5775 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11550.00	Average	21.64	27.23	48.87	54.00	-5.13
11550.00	Peak	29.64	27.23	56.87	74.00	-17.13

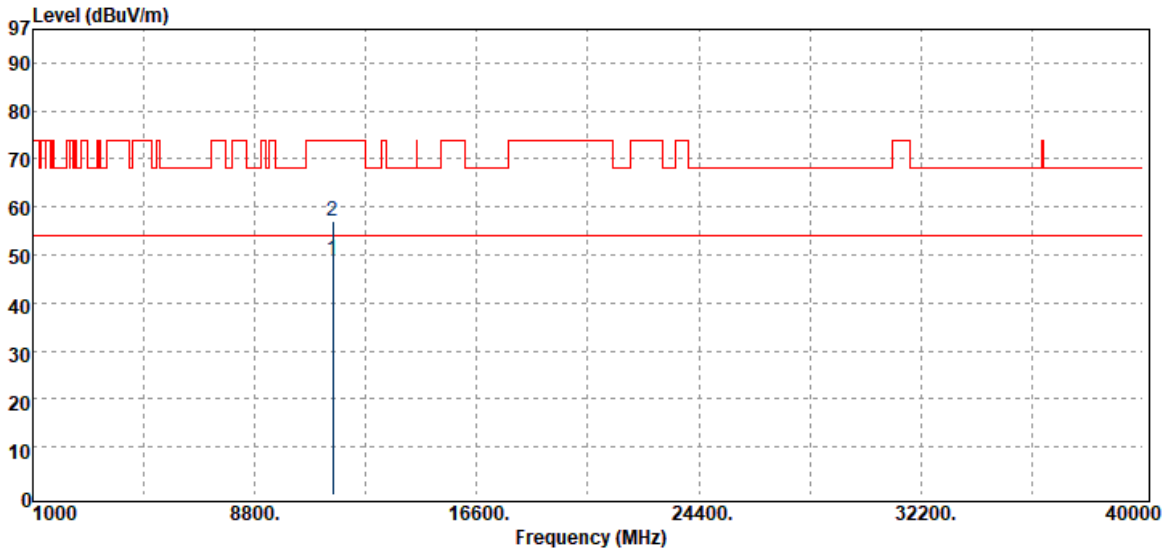
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5775 MHz
Test Mode :Tx CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-07
Temp./Humi. :22.8/74
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11550.00	Average	21.73	27.23	48.96	54.00	-5.04
11550.00	Peak	29.73	27.23	56.96	74.00	-17.04

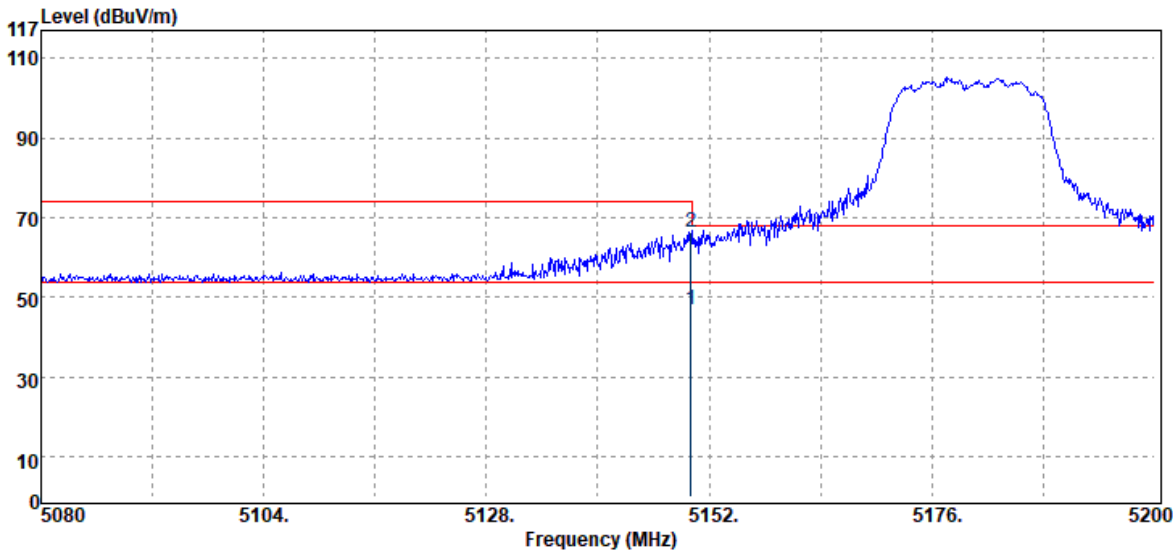
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7.7.3 Band edge falling to restricted band

Report Number	:ER/2020/A0069	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2020-11-02
Test Frequency	:5180 MHz	Temp./Humi.	:23.8/67
Test Mode	:Bandedge CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5150.00	Average	32.15	14.83	46.98	54.00	-7.02
5150.00	Peak	51.69	14.83	66.52	74.00	-7.48

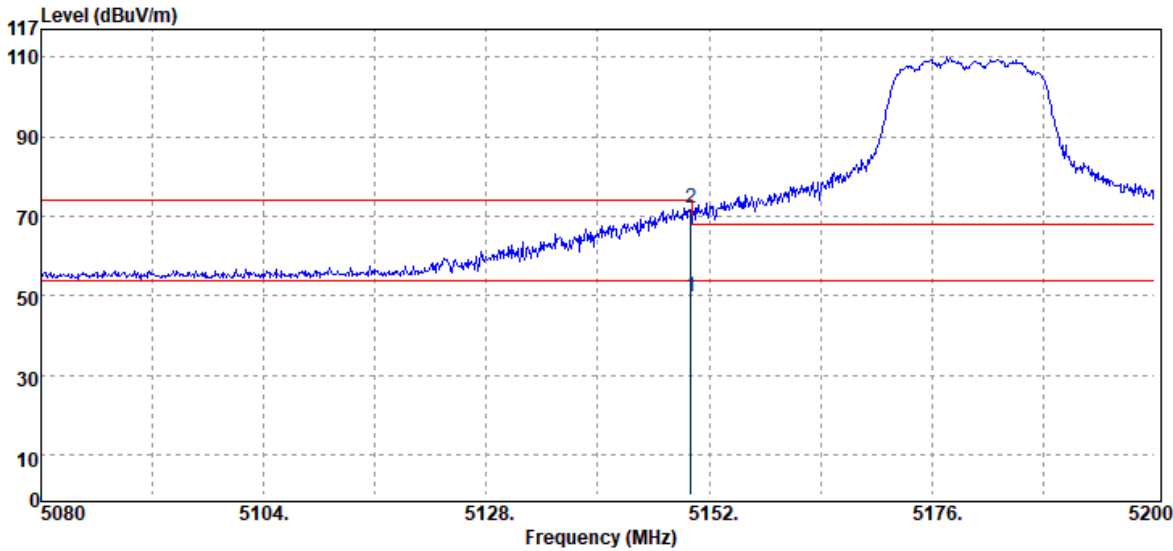
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Report Number :ER/2020/A0069
 Operation Mode :802.11a
 Test Frequency :5180 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :NB Plane

Test Site :SAC I Chamber
 Test Date :2020-11-02
 Temp./Humi. :23.8/67
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5150.00	Average	34.90	14.83	49.73	54.00	-4.27
5150.00	Peak	57.05	14.83	71.88	74.00	-2.12

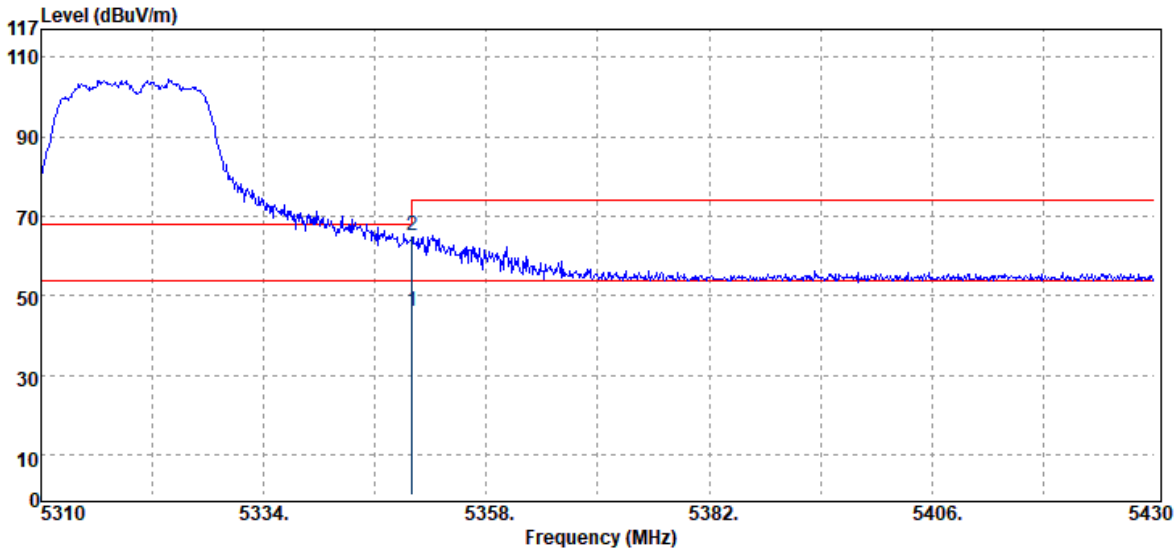
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Report Number :ER/2020/A0069
 Operation Mode :802.11a
 Test Frequency :5320 MHz
 Test Mode :Bandedge CH High
 EUT Pol :NB Plane

Test Site :SAC I Chamber
 Test Date :2020-11-02
 Temp./Humi. :23.8/67
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5350.00	Average	31.85	14.20	46.05	54.00	-7.95
5350.00	Peak	50.84	14.20	65.04	74.00	-8.96

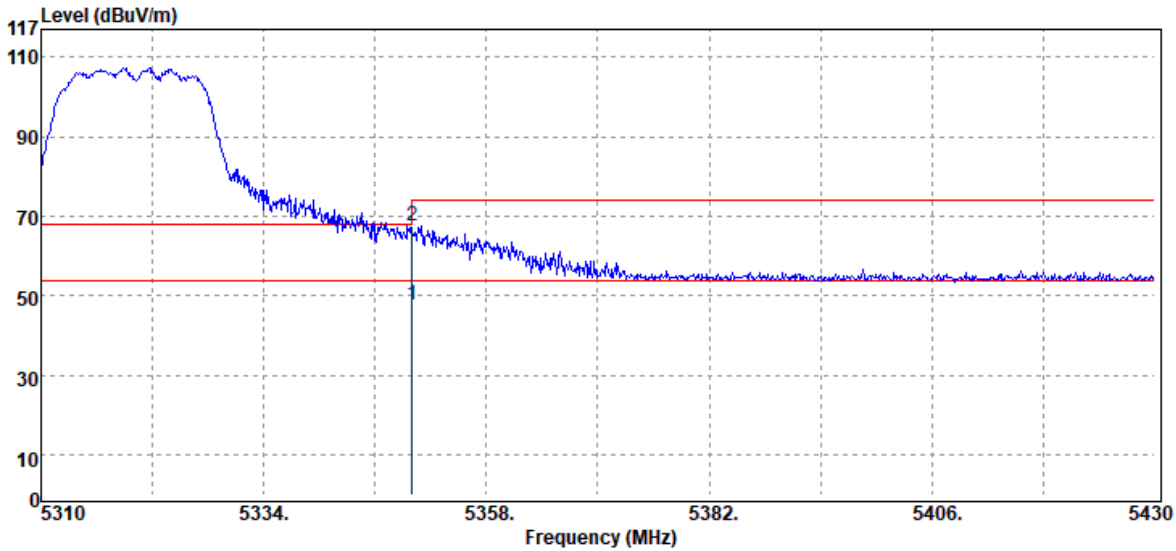
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Report Number :ER/2020/A0069
 Operation Mode :802.11a
 Test Frequency :5320 MHz
 Test Mode :Bandedge CH High
 EUT Pol :NB Plane

Test Site :SAC I Chamber
 Test Date :2020-11-02
 Temp./Humi. :23.8/67
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5350.00	Average	33.38	14.20	47.58	54.00	-6.42
5350.00	Peak	53.47	14.20	67.67	74.00	-6.33

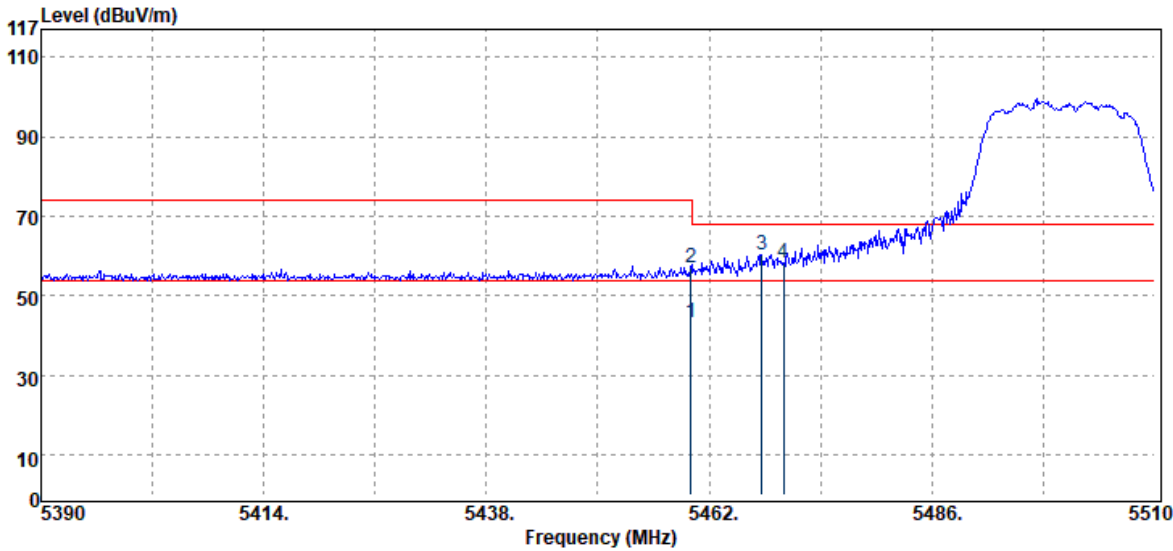
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5500 MHz
Test Mode :Bandedge CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-02
Temp./Humi. :23.8/67
Antenna Pol. :VERTICAL
Engineer :Neo



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	28.78	14.57	43.35	54.00	-10.65
5460.00	Peak	42.40	14.57	56.97	74.00	-17.03
5467.64	Peak	45.79	14.60	60.39	68.20	-7.81
5470.00	Peak	43.76	14.61	58.37	68.20	-9.83

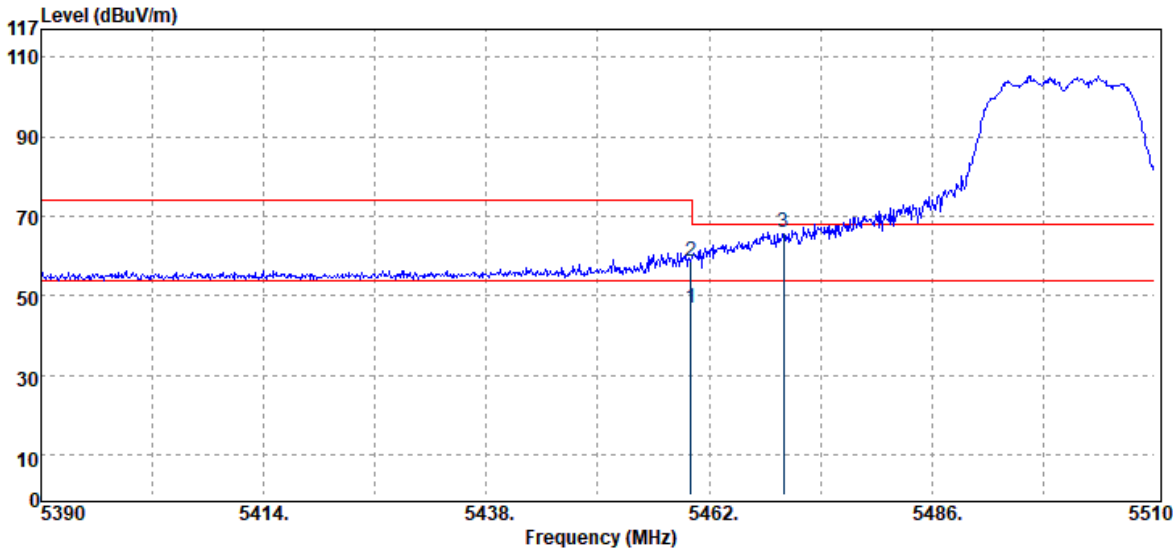
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5500 MHz
Test Mode :Bandedge CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-02
Temp./Humi. :23.8/67
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5460.00	Average	32.34	14.57	46.91	54.00	-7.09
5460.00	Peak	44.12	14.57	58.69	74.00	-15.31
5470.00	Peak	51.52	14.61	66.13	68.20	-2.07

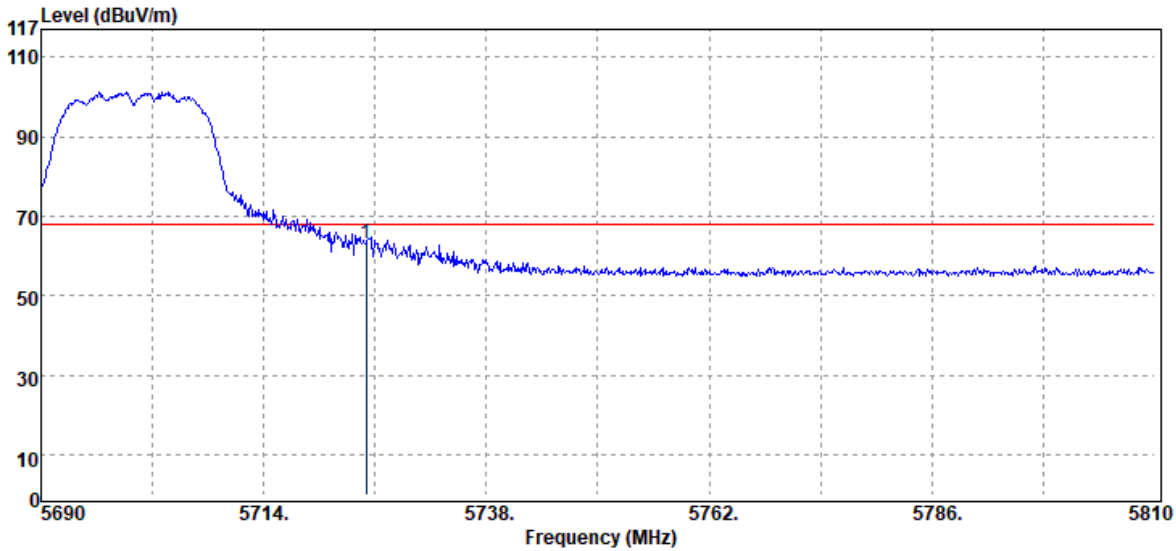
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5700 MHz
Test Mode :Bandedge CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-02
Temp./Humi. :23.8/67
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5725.00	Peak	47.65	15.48	63.13	68.20	-5.07

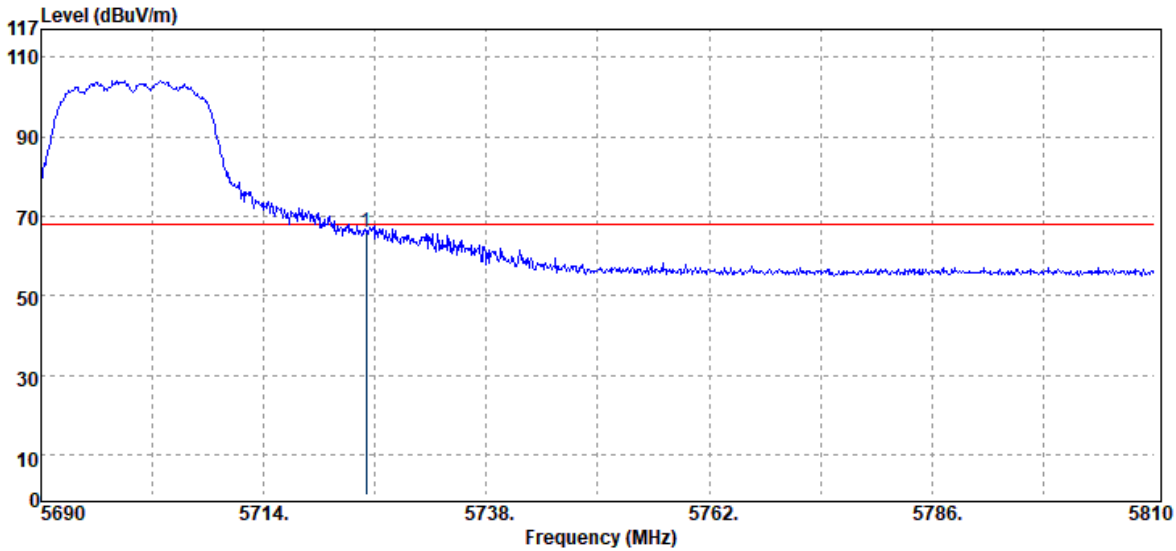
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5700 MHz
Test Mode :Bandedge CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-02
Temp./Humi. :23.8/67
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
5725.00	Peak	50.53	15.48	66.01	68.20	-2.19

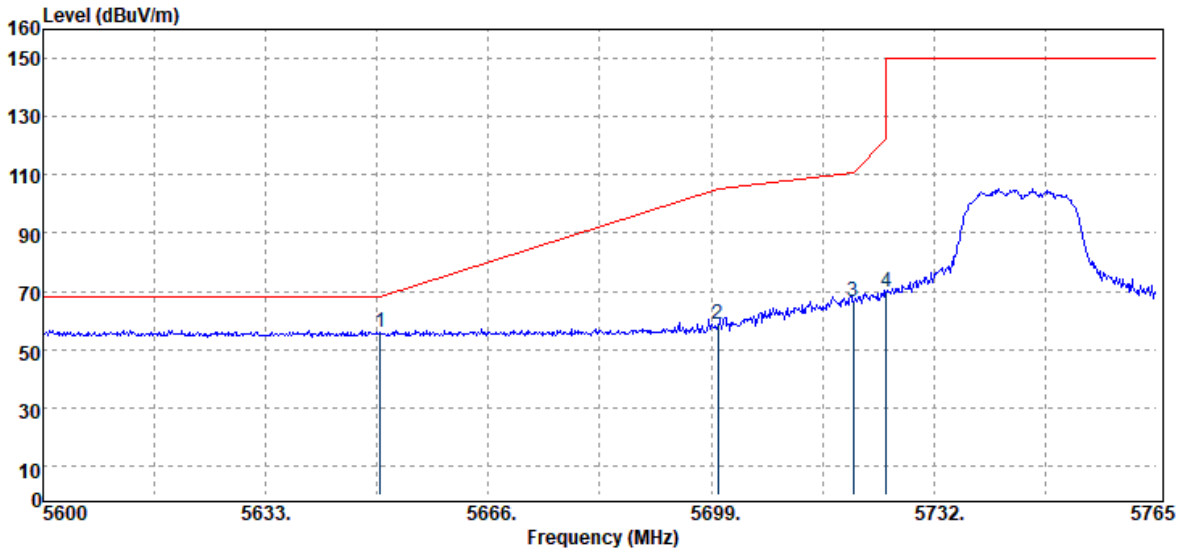
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Report Number :ER/2020/A0069
 Operation Mode :802.11a
 Test Frequency :5745 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :NB Plane

Test Site :SAC I Chamber
 Test Date :2020-11-02
 Temp./Humi. :23.8/67
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5650.00	Peak	40.67	15.16	55.83	68.20	-12.37
5700.00	Peak	43.08	15.42	58.50	105.20	-46.70
5720.00	Peak	51.05	15.47	66.52	110.80	-44.28
5725.00	Peak	54.09	15.48	69.57	122.20	-52.63

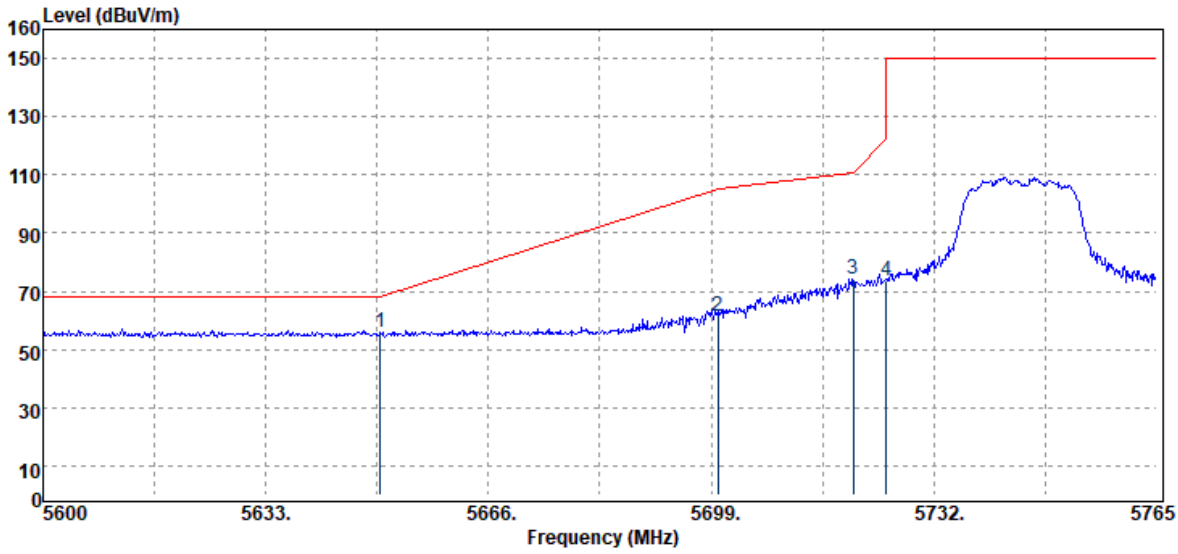
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5745 MHz
Test Mode :Bandedge CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-02
Temp./Humi. :23.8/67
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5650.00	Peak	40.96	15.16	56.12	68.20	-12.08
5700.00	Peak	46.03	15.42	61.45	105.20	-43.75
5720.00	Peak	58.82	15.47	74.29	110.80	-36.51
5725.00	Peak	58.10	15.48	73.58	122.20	-48.62

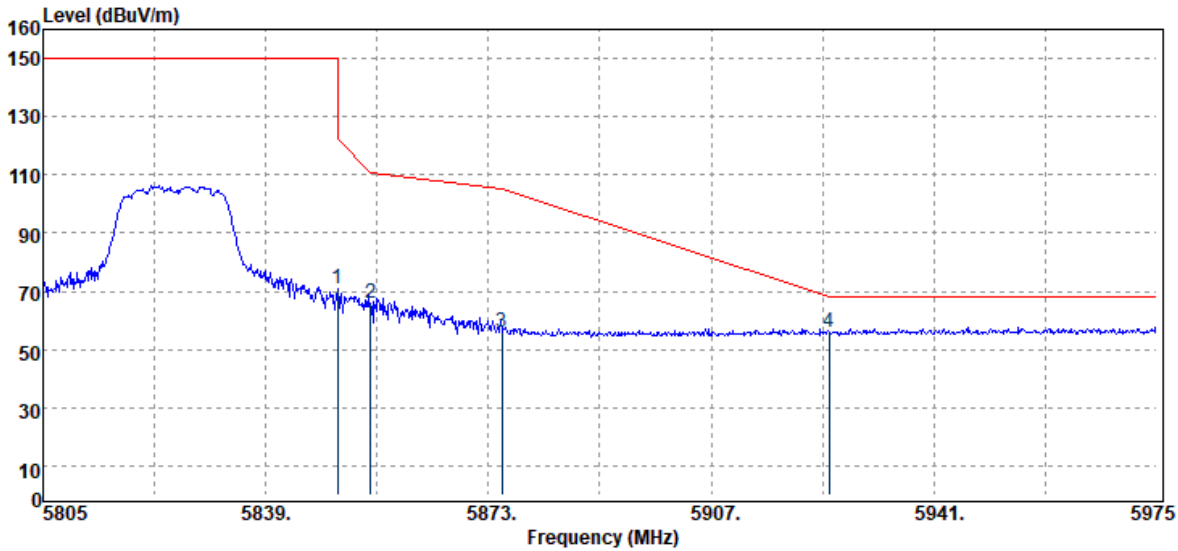
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5825 MHz
Test Mode :Bandedge CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-02
Temp./Humi. :23.8/67
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5850.00	Peak	54.91	15.75	70.66	122.20	-51.54
5855.00	Peak	50.29	15.75	66.04	110.80	-44.76
5875.00	Peak	40.08	15.75	55.83	105.20	-49.37
5925.00	Peak	39.73	16.06	55.79	68.20	-12.41

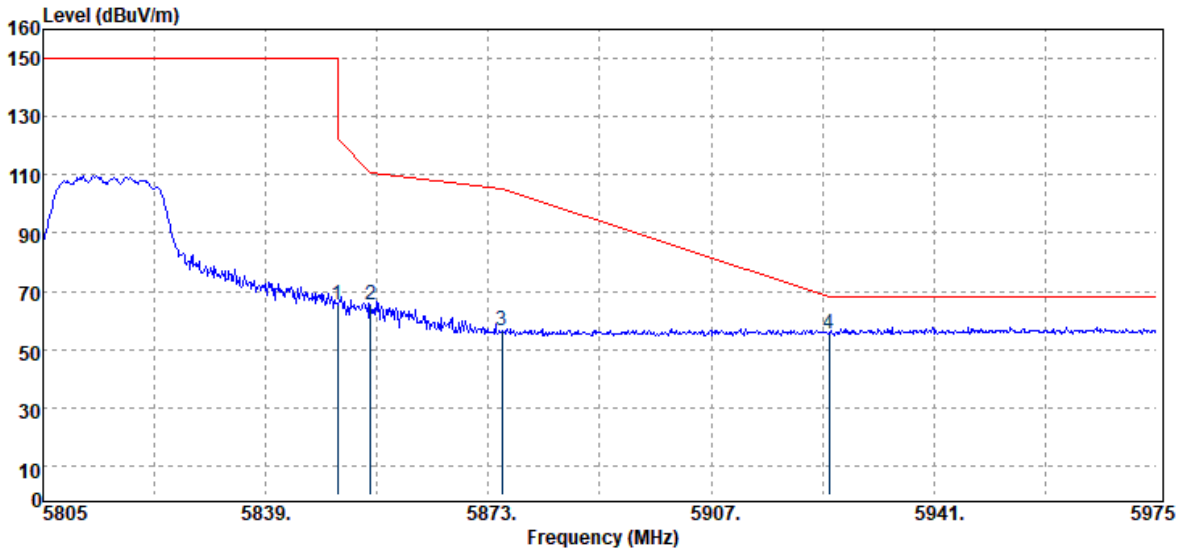
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Report Number :ER/2020/A0069
Operation Mode :802.11a
Test Frequency :5825 MHz
Test Mode :Bandedge CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-02
Temp./Humi. :23.8/67
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5850.00	Peak	49.41	15.75	65.16	122.20	-57.04
5855.00	Peak	49.77	15.75	65.52	110.80	-45.28
5875.00	Peak	40.76	15.75	56.51	105.20	-48.69
5925.00	Peak	39.55	16.06	55.61	68.20	-12.59

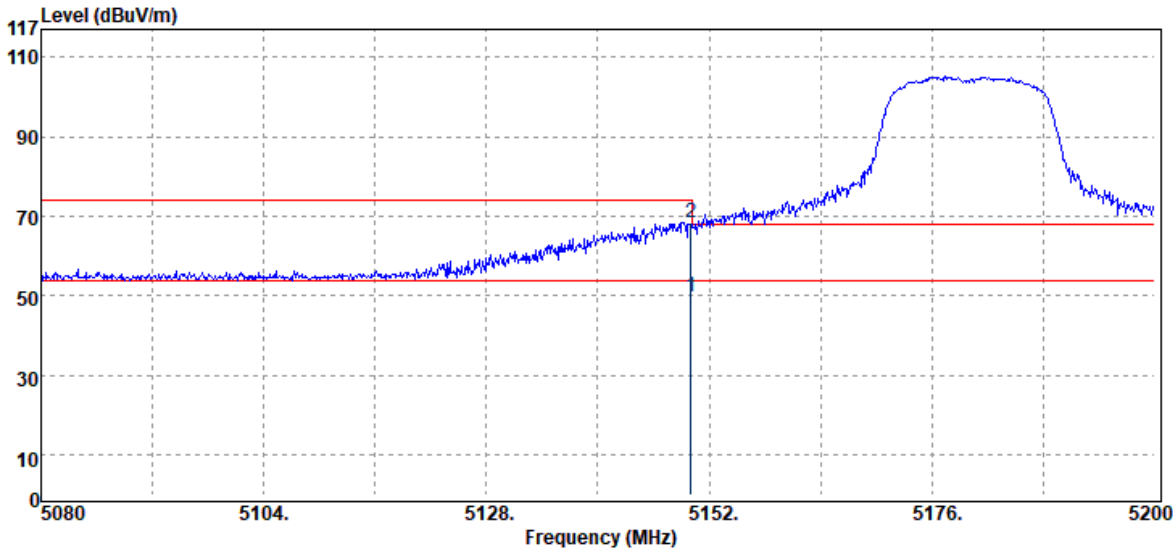
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Report Number :ER/2020/A0069
 Operation Mode :802.11n20
 Test Frequency :5180 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :NB Plane

Test Site :SAC I Chamber
 Test Date :2020-11-03
 Temp./Humi. :23.8/67
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5150.00	Average	35.06	14.83	49.89	54.00	-4.11
5150.00	Peak	53.67	14.83	68.50	74.00	-5.50

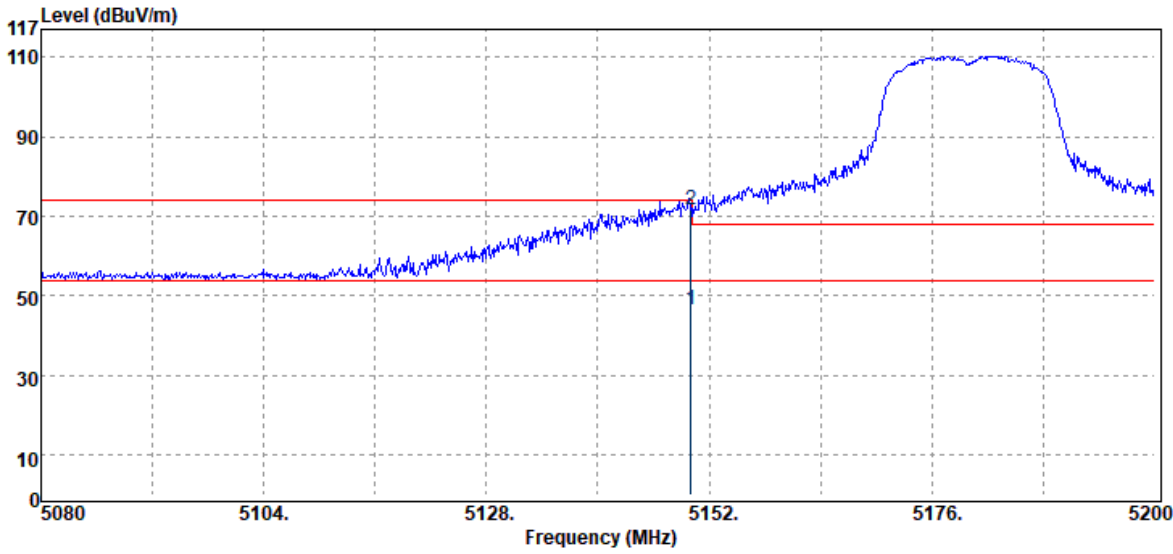
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Report Number :ER/2020/A0069
 Operation Mode :802.11n20
 Test Frequency :5180 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :NB Plane

Test Site :SAC I Chamber
 Test Date :2020-11-02
 Temp./Humi. :23.8/67
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5150.00	Average	31.91	14.83	46.74	54.00	-7.26
5150.00	Peak	56.86	14.83	71.69	74.00	-2.31

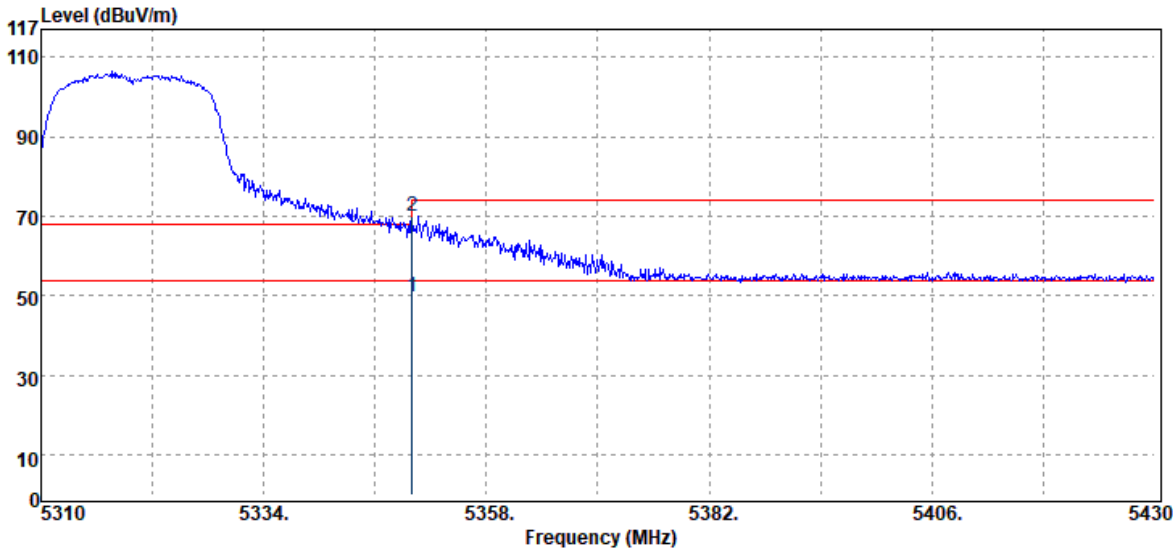
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5320 MHz
Test Mode :Bandedge CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-03
Temp./Humi. :23.8/67
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5350.00	Average	35.69	14.20	49.89	54.00	-4.11
5350.00	Peak	55.68	14.20	69.88	74.00	-4.12

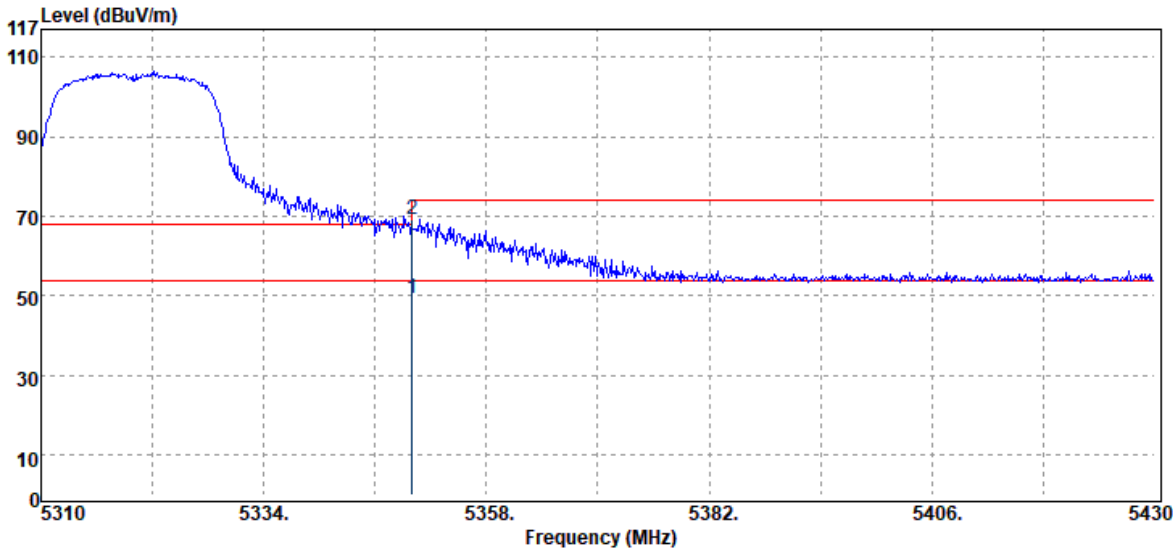
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5320 MHz
Test Mode :Bandedge CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-02
Temp./Humi. :23.8/67
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5350.00	Average	35.25	14.20	49.45	54.00	-4.55
5350.00	Peak	54.89	14.20	69.09	74.00	-4.91

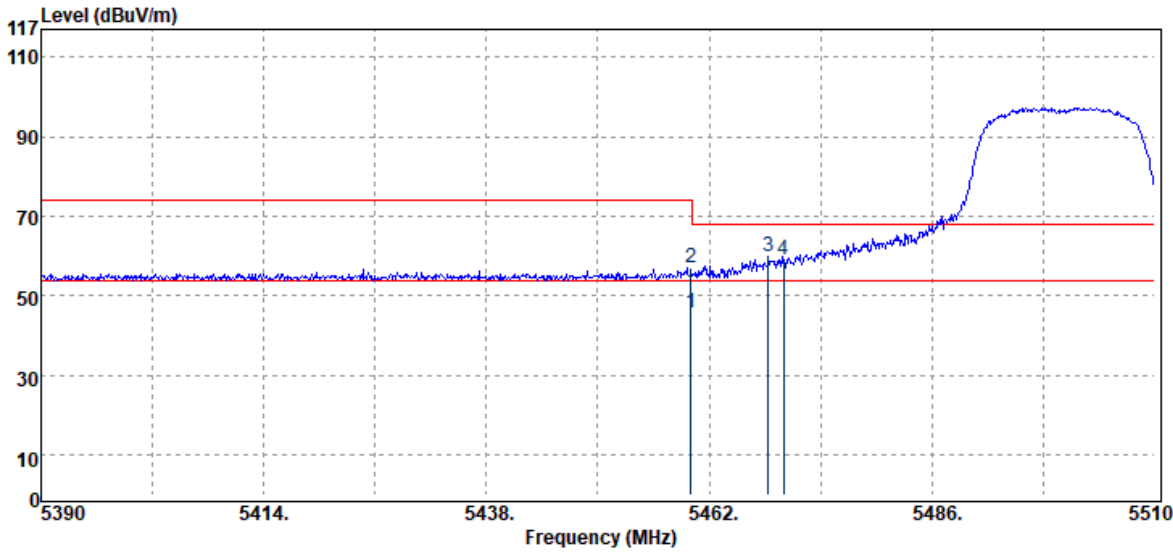
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5500 MHz
Test Mode :Bandedge CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-03
Temp./Humi. :23.2/58
Antenna Pol. :VERTICAL
Engineer :Neo



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	31.06	14.57	45.63	54.00	-8.37
5460.00	Peak	42.63	14.57	57.20	74.00	-16.80
5468.36	Peak	45.50	14.61	60.11	68.20	-8.09
5470.00	Peak	44.52	14.61	59.13	68.20	-9.07

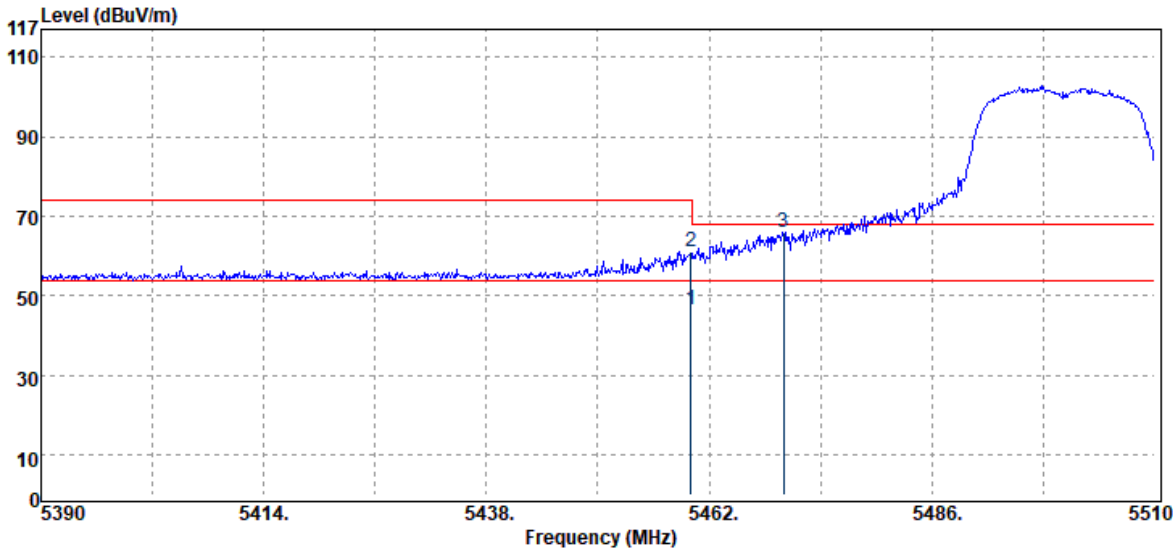
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5500 MHz
Test Mode :Bandedge CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-03
Temp./Humi. :23.2/58
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5460.00	Average	32.06	14.57	46.63	54.00	-7.37
5460.00	Peak	46.75	14.57	61.32	74.00	-12.68
5470.00	Peak	51.41	14.61	66.02	68.20	-2.18

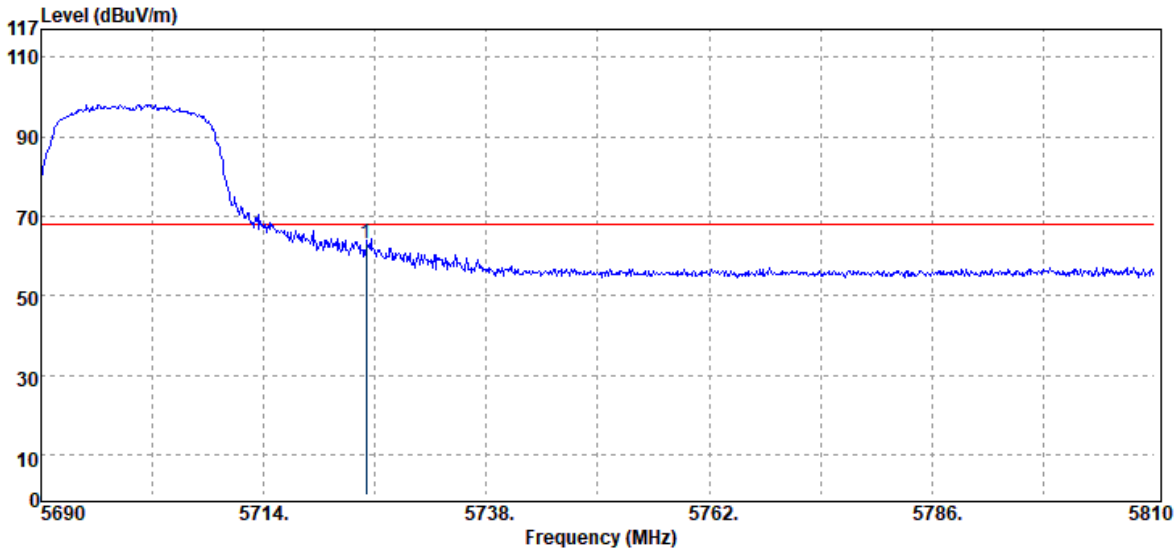
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Report Number :ER/2020/A0069
 Operation Mode :802.11n20
 Test Frequency :5700 MHz
 Test Mode :Bandedge CH High
 EUT Pol :NB Plane

Test Site :SAC I Chamber
 Test Date :2020-11-03
 Temp./Humi. :23.2/58
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5725.00	Peak	47.79	15.48	63.27	68.20	-4.93

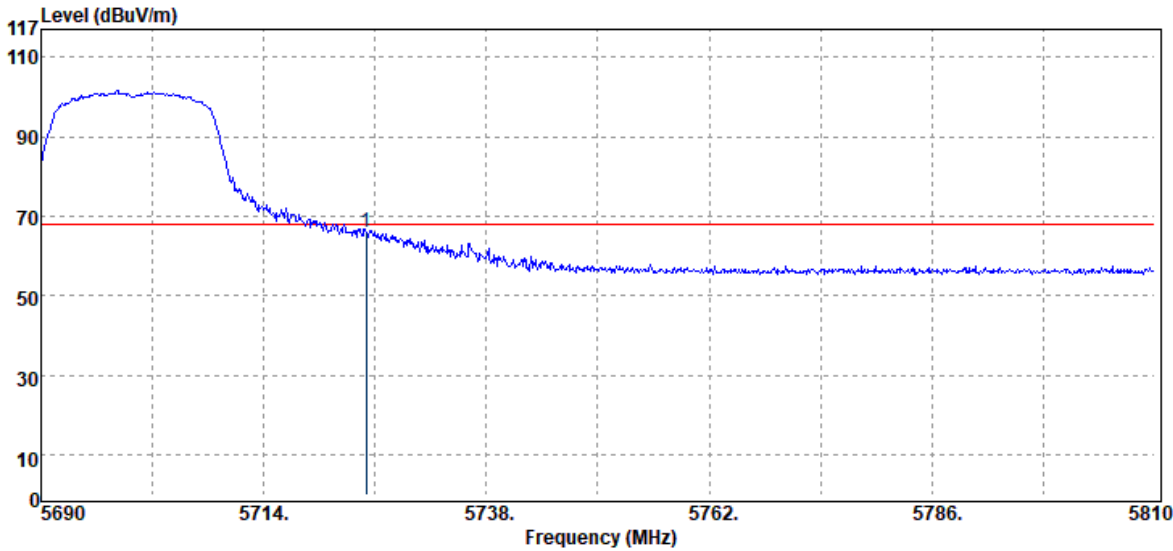
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5700 MHz
Test Mode :Bandedge CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-03
Temp./Humi. :23.2/58
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
5725.00	Peak	50.36	15.48	65.84	68.20	-2.36

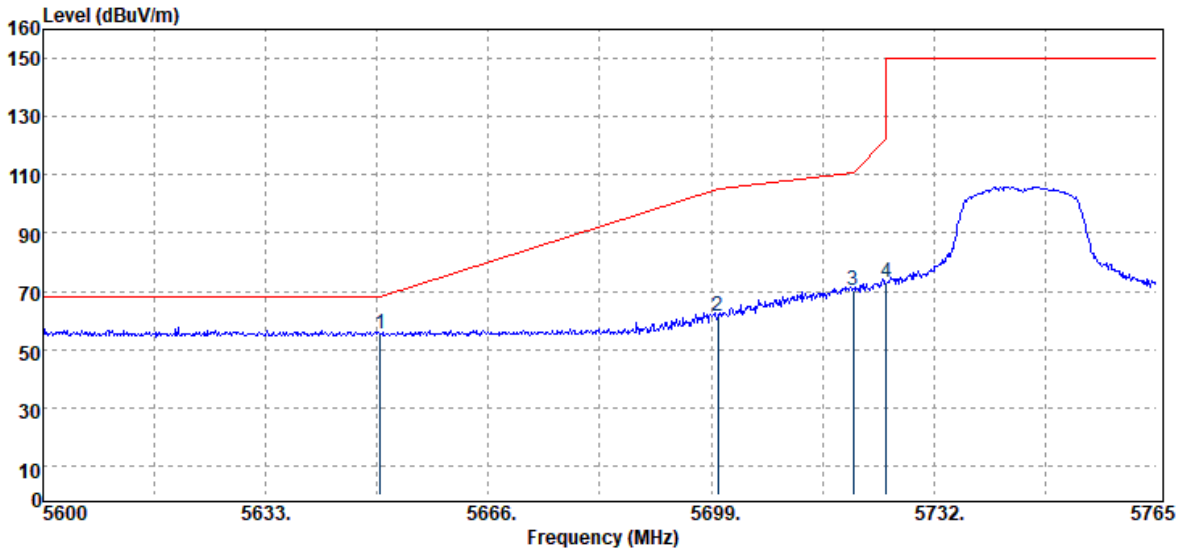
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5745 MHz
Test Mode :Bandedge CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-03
Temp./Humi. :23.2/58
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5650.00	Peak	40.45	15.16	55.61	68.20	-12.59
5700.00	Peak	45.88	15.42	61.30	105.20	-43.90
5720.00	Peak	54.63	15.47	70.10	110.80	-40.70
5725.00	Peak	57.34	15.48	72.82	122.20	-49.38

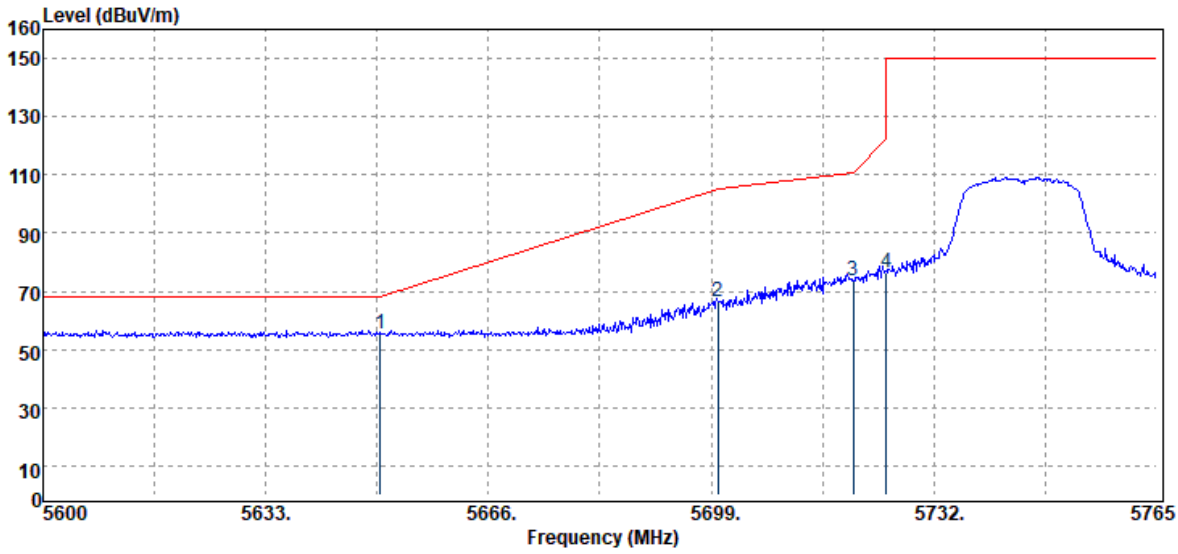
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Report Number :ER/2020/A0069
 Operation Mode :802.11n20
 Test Frequency :5745 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :NB Plane

Test Site :SAC I Chamber
 Test Date :2020-11-03
 Temp./Humi. :23.2/58
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
5650.00	Peak	40.06	15.16	55.22	68.20	-12.98
5700.00	Peak	51.14	15.42	66.56	105.20	-38.64
5720.00	Peak	58.27	15.47	73.74	110.80	-37.06
5725.00	Peak	61.13	15.48	76.61	122.20	-45.59

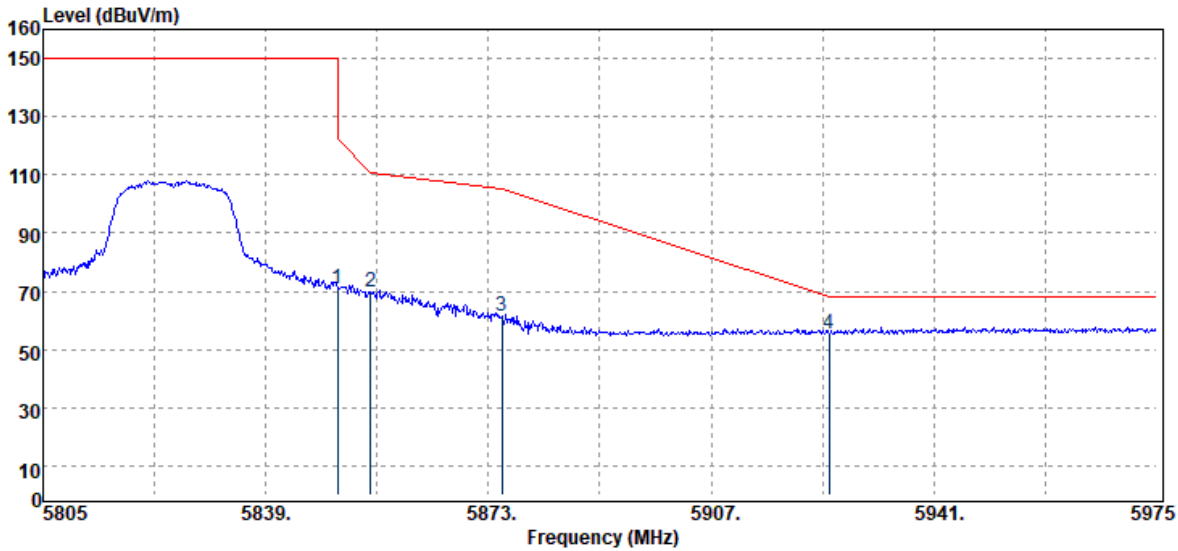
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5825 MHz
Test Mode :Bandedge CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-03
Temp./Humi. :23.2/58
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5850.00	Peak	55.24	15.75	70.99	122.20	-51.21
5855.00	Peak	54.11	15.75	69.86	110.80	-40.94
5875.00	Peak	45.54	15.75	61.29	105.20	-43.91
5925.00	Peak	39.44	16.06	55.50	68.20	-12.70

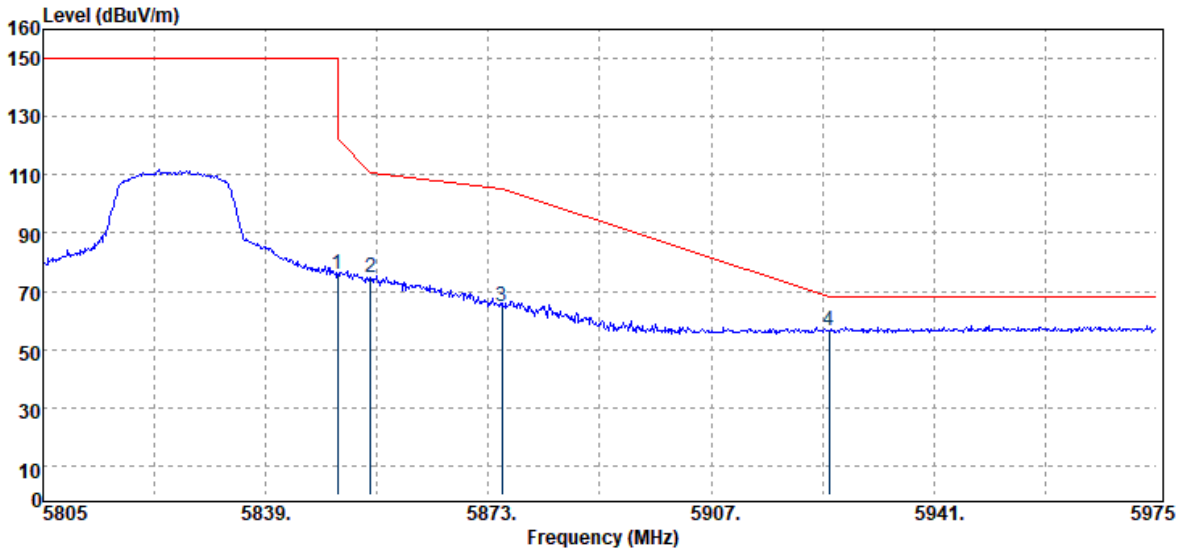
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Report Number :ER/2020/A0069
Operation Mode :802.11n20
Test Frequency :5825 MHz
Test Mode :Bandedge CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-03
Temp./Humi. :23.2/58
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
5850.00	Peak	60.31	15.75	76.06	122.20	-46.14
5855.00	Peak	59.25	15.75	75.00	110.80	-35.80
5875.00	Peak	49.22	15.75	64.97	105.20	-40.23
5925.00	Peak	40.51	16.06	56.57	68.20	-11.63

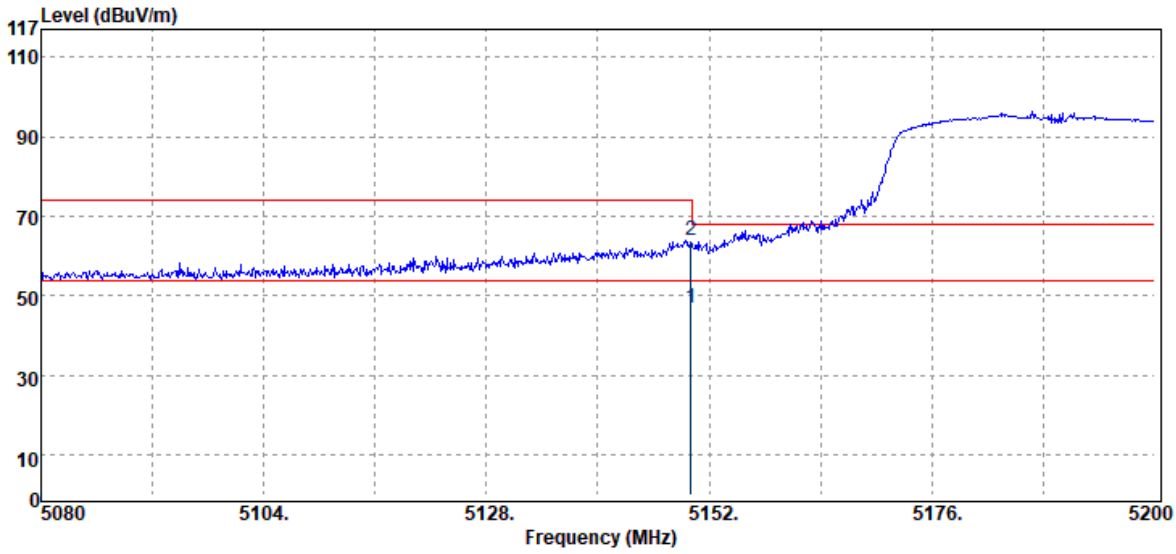
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5190 MHz
Test Mode :Bandedge CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-03
Temp./Humi. :23.2/58
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5150.00	Average	32.28	14.83	47.11	54.00	-6.89
5150.00	Peak	48.98	14.83	63.81	74.00	-10.19

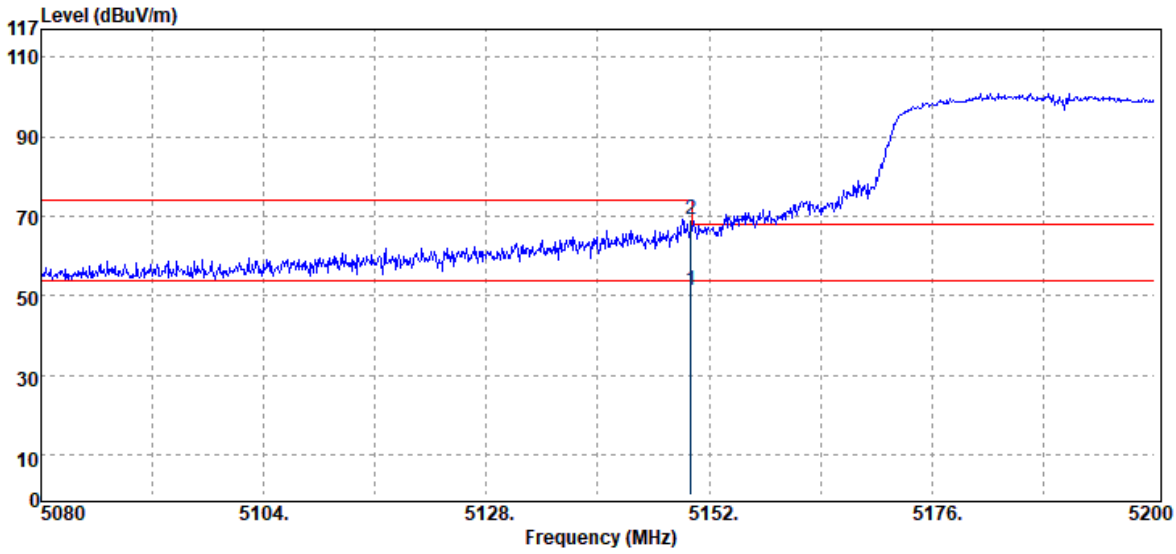
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Report Number :ER/2020/A0069
 Operation Mode :802.11n40
 Test Frequency :5190 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :NB Plane

Test Site :SAC I Chamber
 Test Date :2020-11-03
 Temp./Humi. :23.2/58
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5150.00	Average	36.75	14.83	51.58	54.00	-2.42
5150.00	Peak	54.21	14.83	69.04	74.00	-4.96

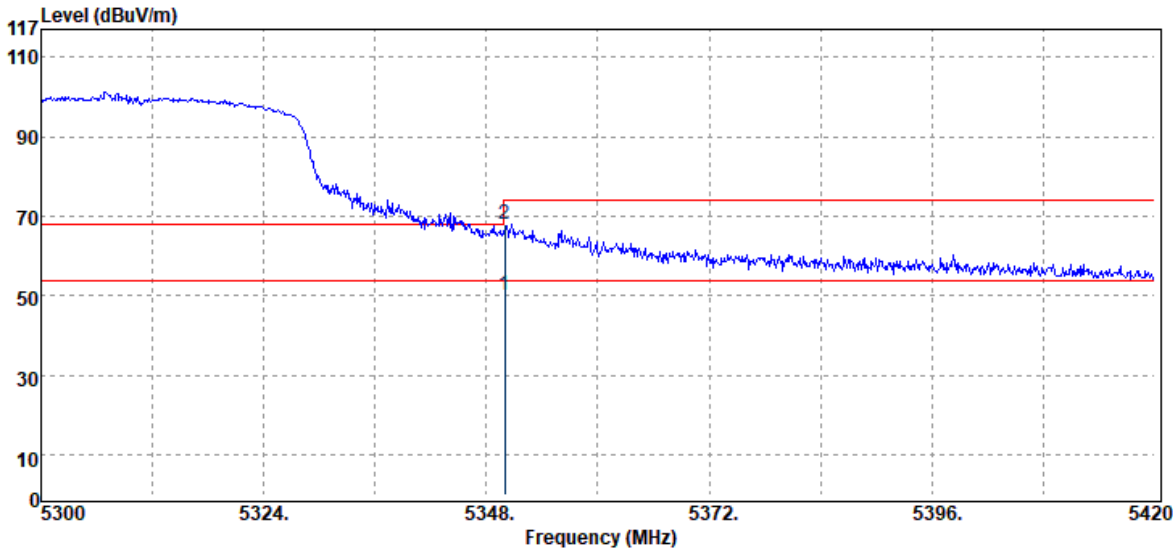
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5310 MHz
Test Mode :Bandedge CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-03
Temp./Humi. :23.2/58
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5350.00	Average	35.86	14.20	50.06	54.00	-3.94
5350.00	Peak	53.85	14.20	68.05	74.00	-5.95

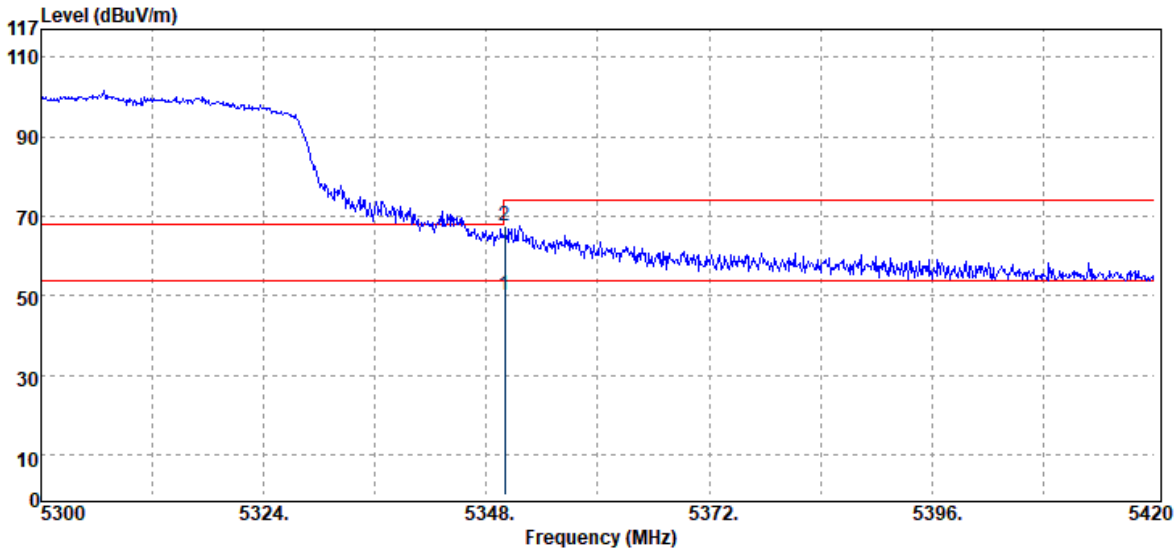
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5310 MHz
Test Mode :Bandedge CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-03
Temp./Humi. :23.2/58
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5350.00	Average	36.16	14.20	50.36	54.00	-3.64
5350.00	Peak	53.57	14.20	67.77	74.00	-6.23

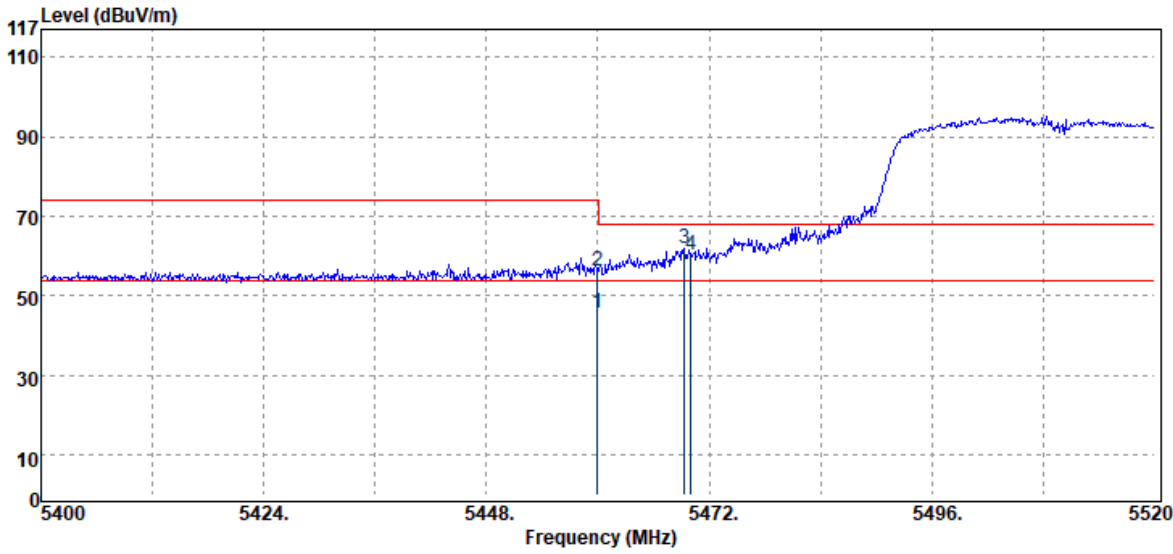
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5510 MHz
Test Mode :Bandedge CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-03
Temp./Humi. :23.2/58
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5460.00	Average	31.12	14.57	45.69	54.00	-8.31
5460.00	Peak	41.75	14.57	56.32	74.00	-17.68
5469.36	Peak	47.31	14.62	61.93	68.20	-6.27
5470.00	Peak	45.70	14.61	60.31	68.20	-7.89

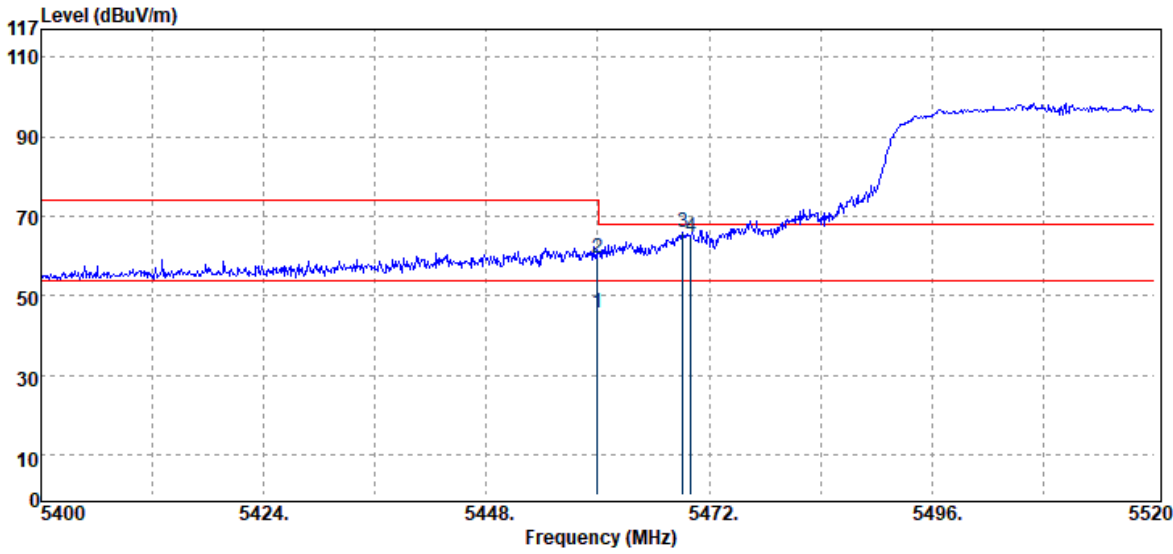
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5510 MHz
Test Mode :Bandedge CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-03
Temp./Humi. :23.2/58
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
5460.00	Average	31.22	14.57	45.79	54.00	-8.21
5460.00	Peak	45.01	14.57	59.58	74.00	-14.42
5469.12	Peak	51.25	14.61	65.86	68.20	-2.34
5470.00	Peak	49.96	14.61	64.57	68.20	-3.63

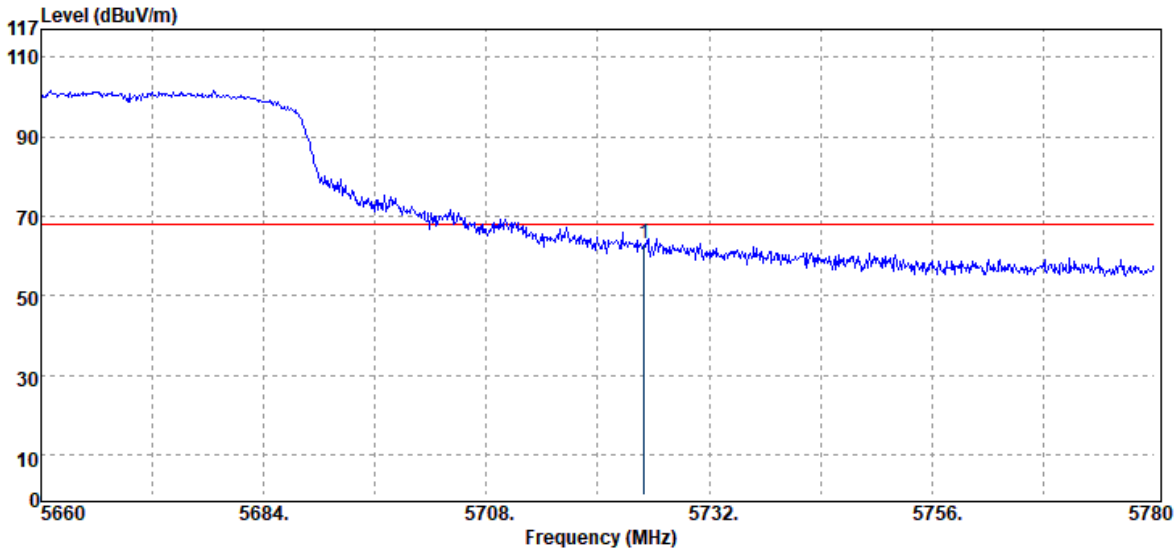
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5670 MHz
Test Mode :Bandedge CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-03
Temp./Humi. :23.2/58
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5725.00	Peak	47.53	15.48	63.01	68.20	-5.19

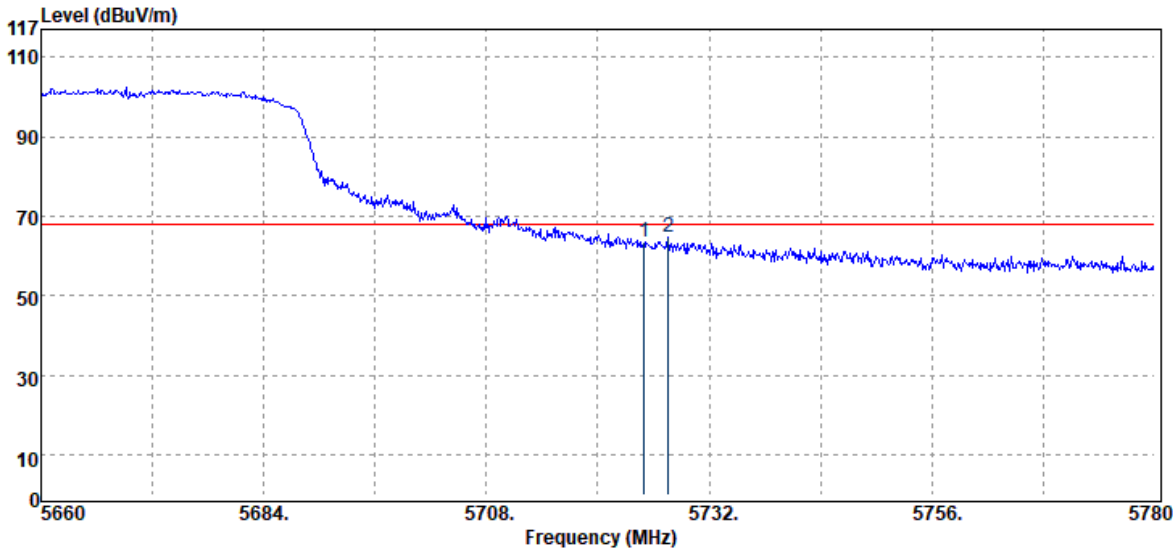
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5670 MHz
Test Mode :Bandedge CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-03
Temp./Humi. :23.2/58
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
5725.00	Peak	48.27	15.48	63.75	68.20	-4.45
5727.56	Peak	49.26	15.49	64.75	68.20	-3.45

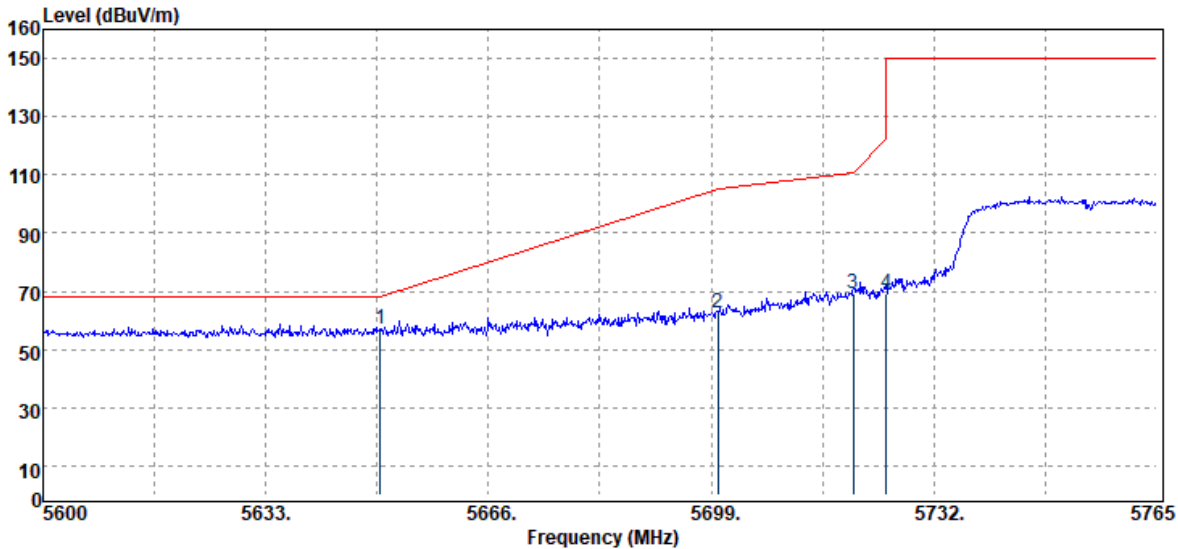
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5755 MHz
Test Mode :Bandedge CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-03
Temp./Humi. :23.2/58
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5650.00	Peak	41.91	15.16	57.07	68.20	-11.13
5700.00	Peak	47.24	15.42	62.66	105.20	-42.54
5720.00	Peak	53.64	15.47	69.11	110.80	-41.69
5725.00	Peak	53.67	15.48	69.15	122.20	-53.05

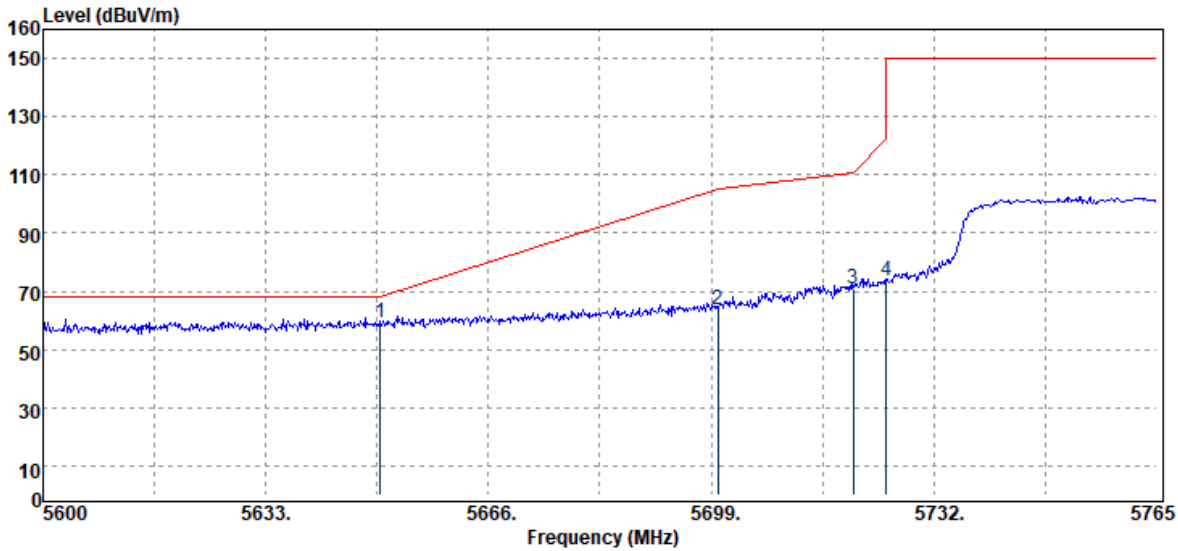
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5755 MHz
Test Mode :Bandedge CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-03
Temp./Humi. :23.2/58
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
5650.00	Peak	44.09	15.16	59.25	68.20	-8.95
5700.00	Peak	48.50	15.42	63.92	105.20	-41.28
5720.00	Peak	55.61	15.47	71.08	110.80	-39.72
5725.00	Peak	58.13	15.48	73.61	122.20	-48.59

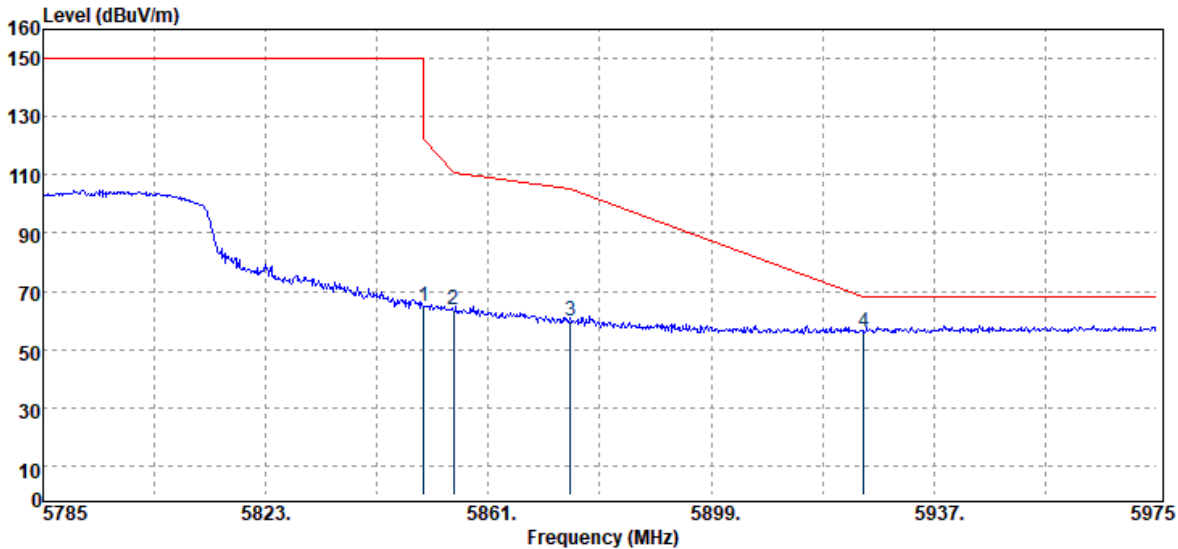
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Report Number :ER/2020/A0069
Operation Mode :802.11n40
Test Frequency :5795 MHz
Test Mode :Bandedge CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-03
Temp./Humi. :23.2/58
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5850.00	Peak	49.24	15.75	64.99	122.20	-57.21
5855.00	Peak	47.68	15.75	63.43	110.80	-47.37
5875.00	Peak	43.97	15.75	59.72	105.20	-45.48
5925.00	Peak	39.92	16.06	55.98	68.20	-12.22

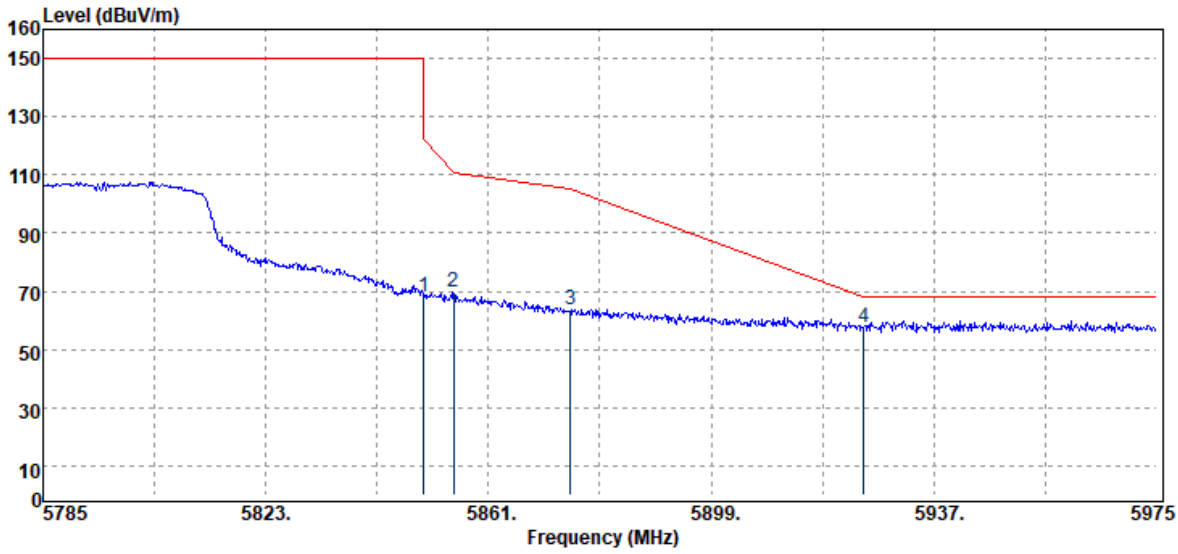
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Report Number :ER/2020/A0069
 Operation Mode :802.11n40
 Test Frequency :5795 MHz
 Test Mode :Bandedge CH High
 EUT Pol :NB Plane

Test Site :SAC I Chamber
 Test Date :2020-11-03
 Temp./Humi. :23.2/58
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
5850.00	Peak	52.14	15.75	67.89	122.20	-54.31
5855.00	Peak	54.16	15.75	69.91	110.80	-40.89
5875.00	Peak	47.76	15.75	63.51	105.20	-41.69
5925.00	Peak	41.56	16.06	57.62	68.20	-10.58

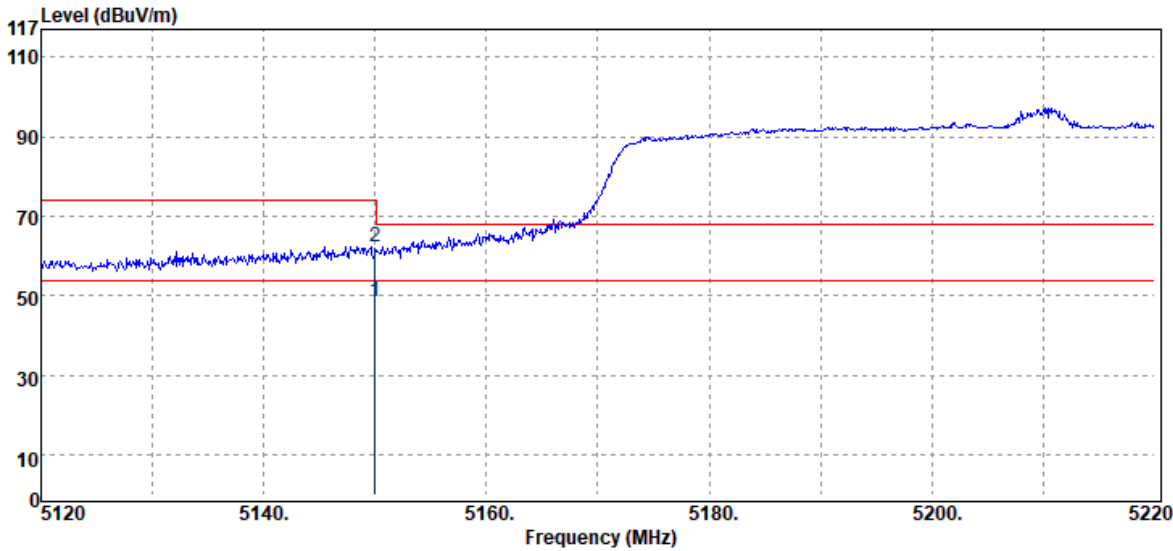
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5210 MHz
Test Mode :Bandedge CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-04
Temp./Humi. :22.8/56
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5150.00	Average	33.67	14.83	48.50	54.00	-5.50
5150.00	Peak	47.49	14.83	62.32	74.00	-11.68

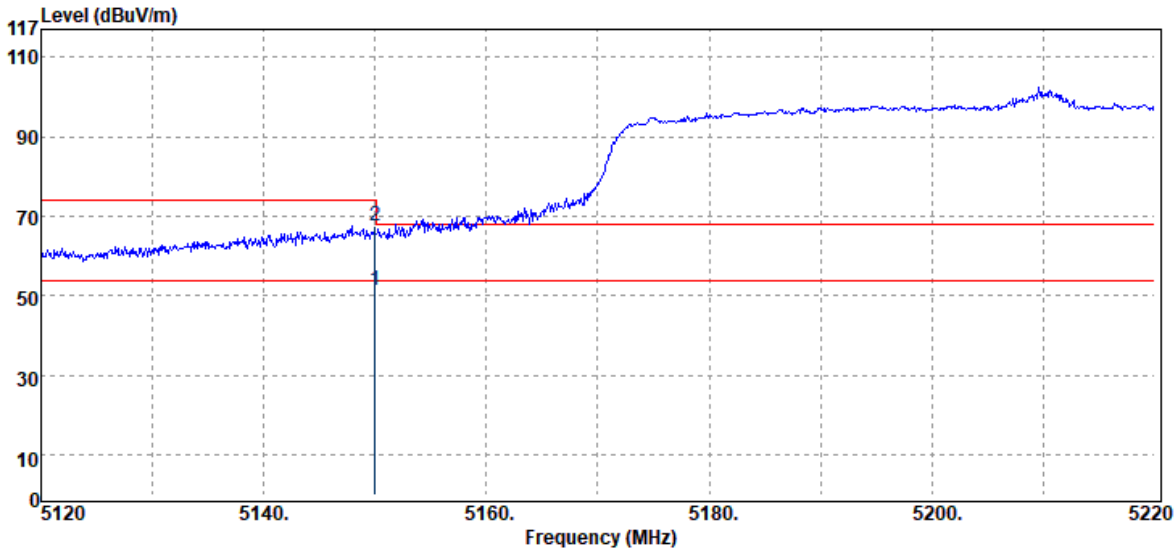
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5210 MHz
Test Mode :Bandedge CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-04
Temp./Humi. :22.8/56
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5150.00	Average	36.73	14.83	51.56	54.00	-2.44
5150.00	Peak	52.90	14.83	67.73	74.00	-6.27

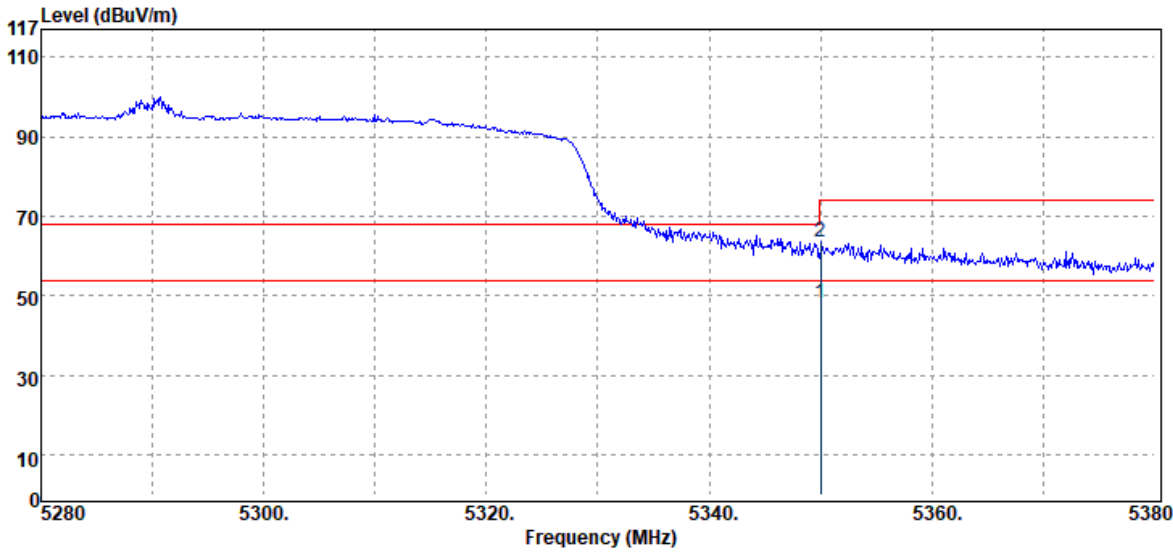
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5290 MHz
Test Mode :Bandedge CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-04
Temp./Humi. :22.8/56
Antenna Pol. :VERTICAL
Engineer :Neo



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	33.91	14.20	48.11	54.00	-5.89
5350.00	Peak	49.20	14.20	63.40	74.00	-10.60

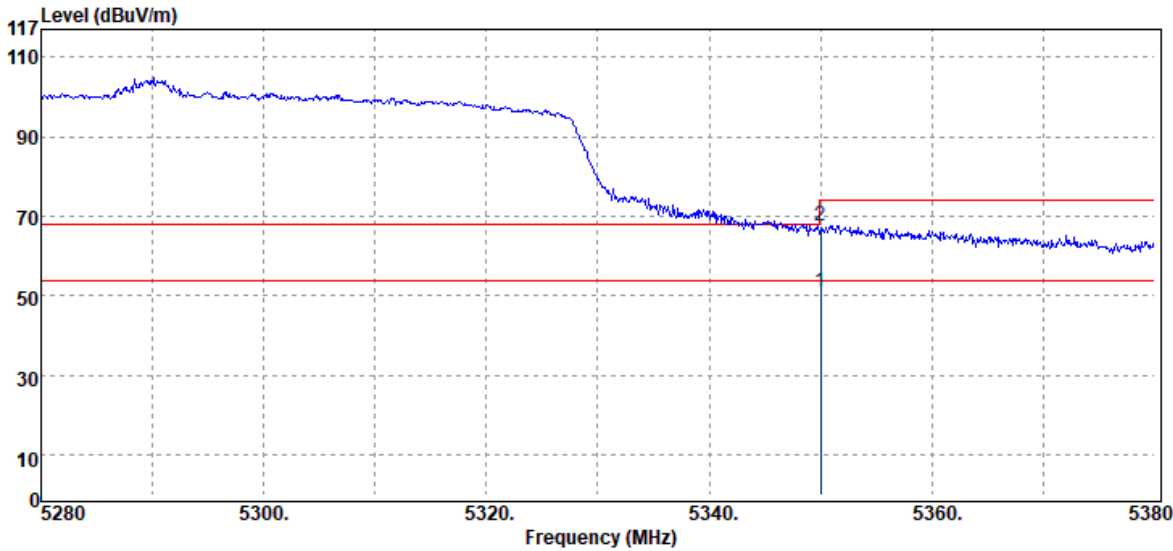
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Report Number :ER/2020/A0069
 Operation Mode :802.11ac80
 Test Frequency :5290 MHz
 Test Mode :Bandedge CH High
 EUT Pol :NB Plane

Test Site :SAC I Chamber
 Test Date :2020-11-04
 Temp./Humi. :22.8/56
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5350.00	Average	36.99	14.20	51.19	54.00	-2.81
5350.00	Peak	53.36	14.20	67.56	74.00	-6.44

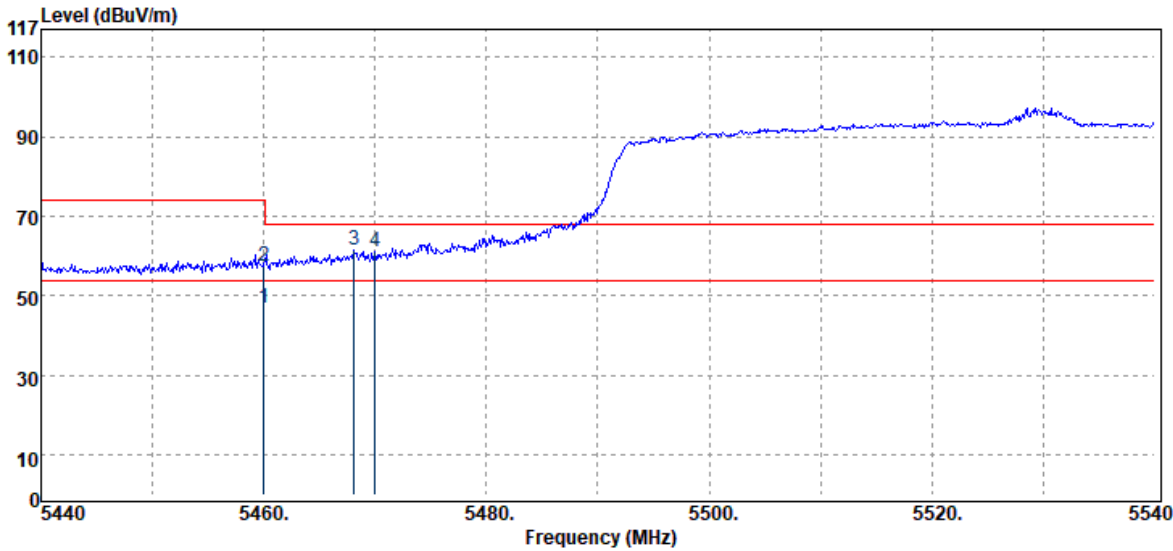
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5530 MHz
Test Mode :Bandedge CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-04
Temp./Humi. :22.8/58
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
5460.00	Average	32.48	14.57	47.05	54.00	-6.95
5460.00	Peak	42.77	14.57	57.34	74.00	-16.66
5468.10	Peak	46.88	14.61	61.49	68.20	-6.71
5470.00	Peak	46.40	14.61	61.01	68.20	-7.19

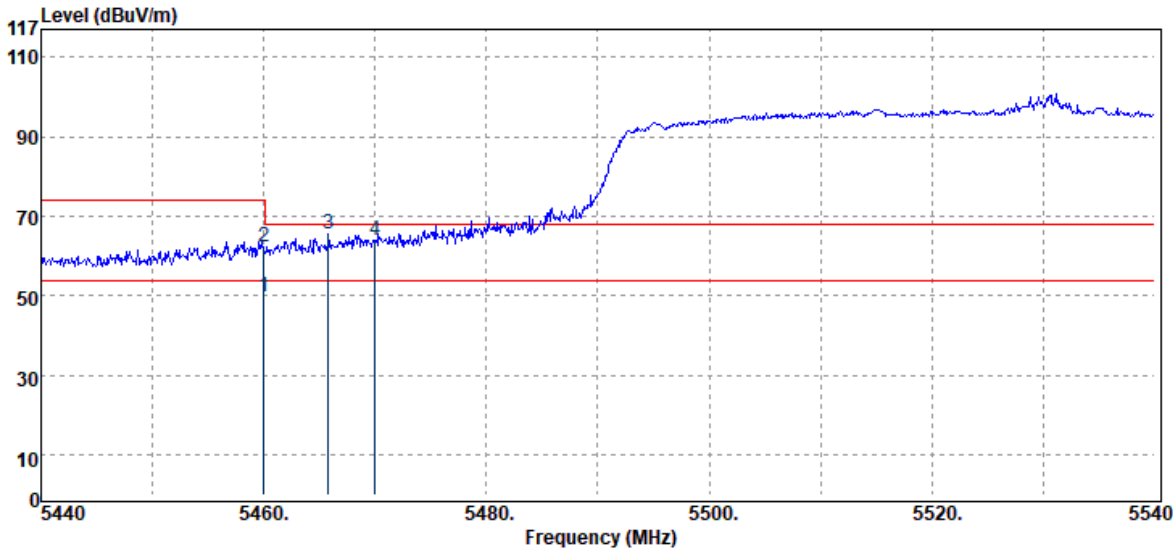
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5530 MHz
Test Mode :Bandedge CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-04
Temp./Humi. :22.8/58
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5460.00	Average	35.32	14.57	49.89	54.00	-4.11
5460.00	Peak	47.78	14.57	62.35	74.00	-11.65
5465.80	Peak	51.18	14.60	65.78	68.20	-2.42
5470.00	Peak	49.22	14.61	63.83	68.20	-4.37

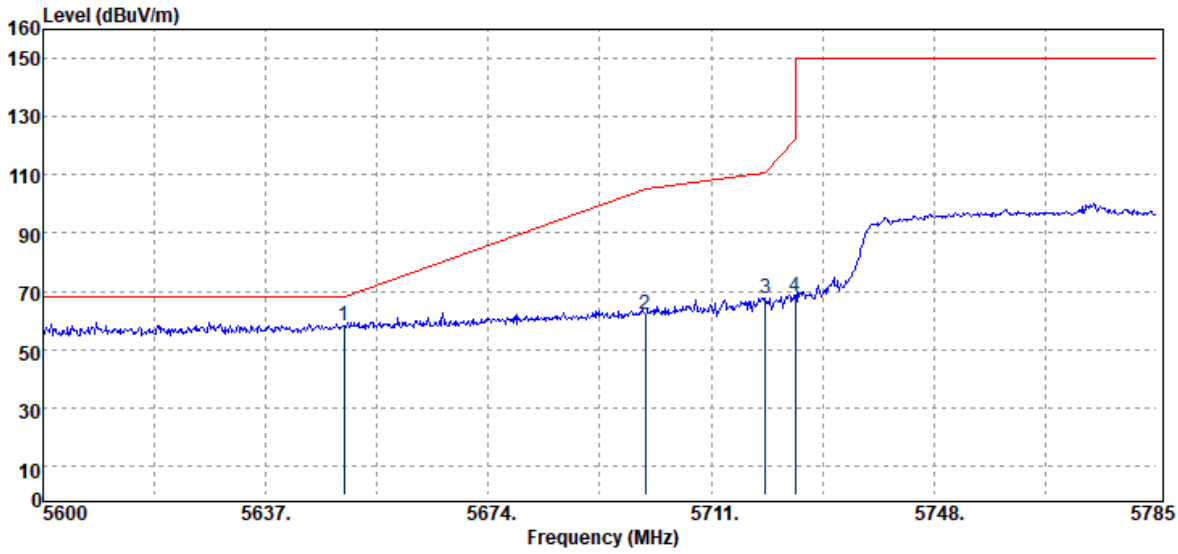
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Report Number :ER/2020/A0069
 Operation Mode :802.11ac80
 Test Frequency :5775 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :NB Plane

Test Site :SAC I Chamber
 Test Date :2020-11-04
 Temp./Humi. :22.8/57
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5650.00	Peak	42.98	15.16	58.14	68.20	-10.06
5700.00	Peak	46.58	15.42	62.00	105.20	-43.20
5720.00	Peak	51.89	15.47	67.36	110.80	-43.44
5725.00	Peak	52.88	15.48	68.36	122.20	-53.84

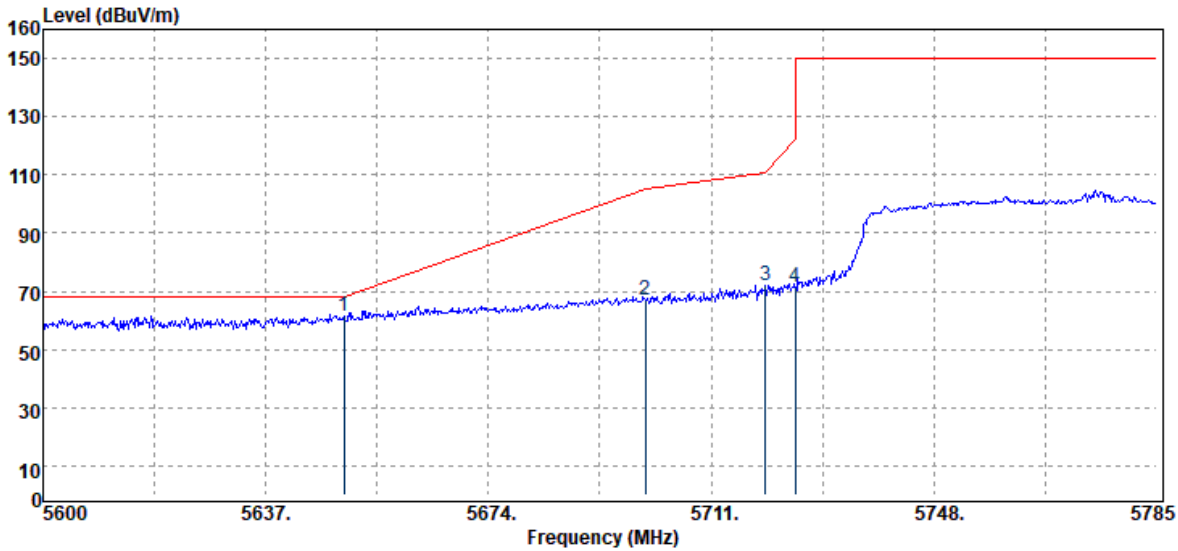
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5775 MHz
Test Mode :Bandedge CH Low
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-04
Temp./Humi. :22.8/57
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5650.00	Peak	46.13	15.16	61.29	68.20	-6.91
5700.00	Peak	51.55	15.42	66.97	105.20	-38.23
5720.00	Peak	56.63	15.47	72.10	110.80	-38.70
5725.00	Peak	55.79	15.48	71.27	122.20	-50.93

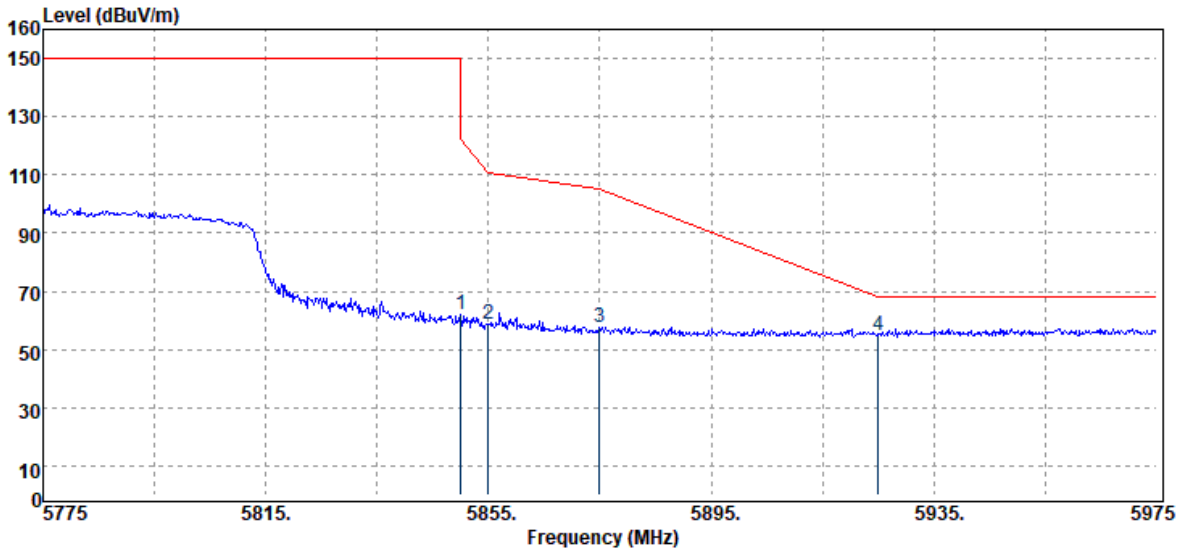
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Report Number :ER/2020/A0069
Operation Mode :802.11ac80
Test Frequency :5775 MHz
Test Mode :Bandedge CH High
EUT Pol :NB Plane

Test Site :SAC I Chamber
Test Date :2020-11-04
Temp./Humi. :22.8/57
Antenna Pol. :VERTICAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5850.00	Peak	46.22	15.75	61.97	122.20	-60.23
5855.00	Peak	43.19	15.75	58.94	110.80	-51.86
5875.00	Peak	41.83	15.75	57.58	105.20	-47.62
5925.00	Peak	39.01	16.06	55.07	68.20	-13.13

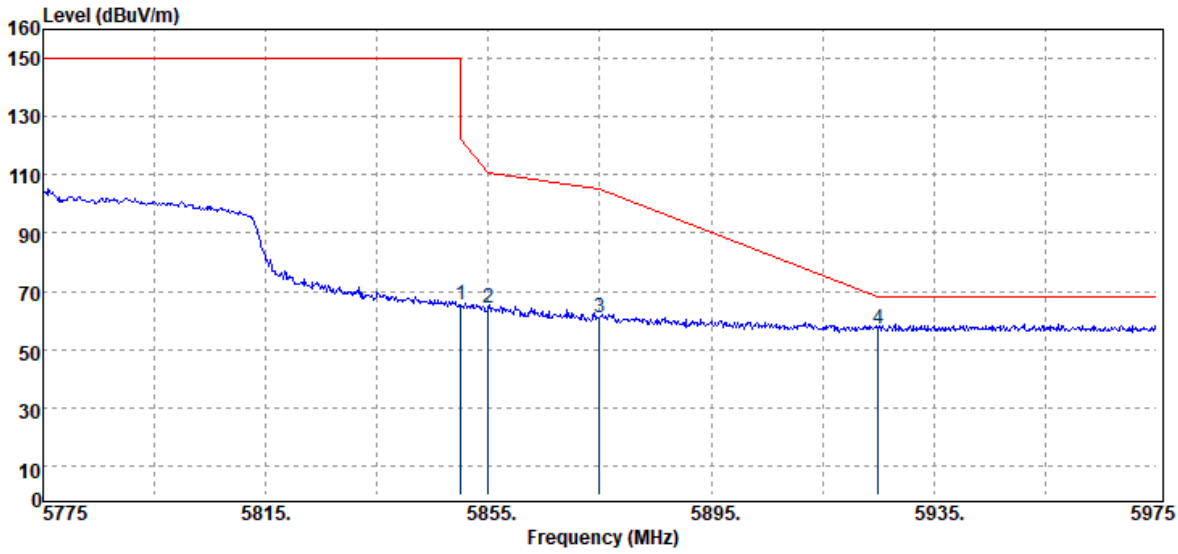
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Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5850.00	Peak	49.71	15.75	65.46	122.20	-56.74
5855.00	Peak	48.38	15.75	64.13	110.80	-46.67
5875.00	Peak	45.04	15.75	60.79	105.20	-44.41
5925.00	Peak	40.74	16.06	56.80	68.20	-11.40

~ End of Report ~

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