

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

INTENTIONAL RADIATOR CERTIFICATION TO FCC PART 15 SUBPART C REQUIREMENT AND INDUSTRY CANADA RSS 247 CLASS II & IV PC REPORT

OF

FCC Applicant: QUANTA COMPUTER INC
NO.188, WENHWA 2ND RD., GUISHAN DIST., TAOYUAN
CITY 33377, TAIWAN

Product Name: Intel Dual-Band Wireless-AC 7265

Brand Name: INTEL

Model No.: 7265NGW

Model Difference: N/A

Report Number: E2/2019/C0053

FCC ID: HFSGQE100

IC: 1787B-GQE100

FCC Rule Part: §15.407, Cat: NII

ISED RSS: RSS-247 issue 2 Feb. 2017

Issue Date: Apr. 01, 2020

Date of Test: Dec. 13, 2019 ~ Mar. 30, 2020

**Date of EUT Re-
ceived:** Dec. 13, 2019

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Electronics & Communication Laboratory. 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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f (886-2) 2298-0488

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Revision History

Report Number	Revision	Description	Issue Date	Remark
E2/2019/C0053	Rev.00	Original.	Apr. 01, 2020	Revised By: Stefanie Yu

Note:

- 1、Host Multiple Model numbers or Trademarks
The variant model numbers are assessed as identical in hardware and software to each other, hence all variants are fully covered by the test results in this test report without further verification test.
- 2、Disclaimer
Variant information among host model numbers 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:	Meeting Computer System	
Brand Name:	N/A	
Model No. of Host:	GQE10A, GQE10C	
Model Difference:	For the marketing purpose	
Hardware Version:	N/A	
Software Version:	N/A	
Model No. of BT/WLAN Module:	7265NGW	
Class II & Class IV Permissive change:	Intel Dual-Band Wireless-AC 7265 installed in Meeting Computer System	
Power Supply:	19V from AC/DC Adapter	
	Adapter:	Model No.: PA-1900-92, Supplier: ASUS

1.2 FCC

Wi-Fi 802.11	Frequency Range	Channels	Modulation Technology
a	5150~5250	4	OFDM
	5250~5350	4	
	5470~5725	12	
	5725~5850	5	
n_HT ac_VHT 20M	5150~5250	4	OFDM
	5250~5350	4	
	5470~5725	11	
	5725~5850	5	
n_HT ac_VHT 40M	5150~5250	2	OFDM
	5250~5350	2	
	5470~5725	5	
	5725~5850	2	
ac_VHT 80M	5150~5250	1	OFDM
	5250~5350	1	
	5470~5725	2	
	5725~5850	1	

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1.3 ISED

Wi-Fi 802.11	Frequency Range	Channels	Modulation Technology
11a	5180~5240	4	OFDM
	5260~5320	4	
	5500~5580	5	
	5660~5700	3	
	5745~5825	5	
11n_HT / ac_VHT 20M	5180~5240	4	OFDM
	5260~5320	4	
	5500~5580	5	
	5660~5700	3	
	5745~5825	5	
11n_HT / ac_VHT 40M	5190~5230	2	OFDM
	5270~5310	2	
	5510~5550	2	
	5670~5670	1	
	5755~5795	2	
11ac VHT80M	5210~5210	1	OFDM
	5290~5290	1	
	5530~5530	1	
	5775~5775	1	

Antenna Designation

Antenna Designation	<p>Metal Antenna, Supplier: WNC</p> <p>1. Platform Name: 0WD (Main)</p> <p>Gain: 2.41dBi (5150~5250MHz)</p> <p>Gain: 1.98dBi (5250~5350MHz)</p> <p>Gain: 1.60dBi (5470~5725MHz)</p> <p>Gain: 1.51dBi (5725~5850MHz)</p> <p>2. Platform Name: 0WD (Aux)</p> <p>Gain: 2.20dBi (5150~5250MHz)</p> <p>Gain: 2.09dBi (5250~5350MHz)</p> <p>Gain: 2.31dBi (5470~5725MHz)</p> <p>Gain: 2.31dBi (5725~5850MHz)</p>
Modulation type	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM
Transition Rate:	<p>802.11 a: 6/9/12/18/24/36/48/54 Mbps</p> <p>802.11 n_20MHz: 6.5 – 144.4Mbps</p> <p>802.11 n_40MHz: 13.5 – 300.0Mbps</p> <p>802.11 ac_20MHz: 6.5 – 173.3Mbps</p> <p>802.11 ac_40MHz: 13.5 – 400.0Mbps</p> <p>802.11 ac_80MHz: 29.3 – 866.7Mbps</p> <p>802.11 ac_160MHz: 58.5 – 1733.3Mbps</p>

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1.4 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

1.5 Test Facility

SGS Taiwan Ltd. Electronics & Communication Laboratory (TAF code 0513)

No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333

FCC Designation number: TW0002

ISED CAB identifier: TW0513

1.6 Special Accessories

There are no special accessories used while test was conducted.

1.7 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 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.

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2.5 Configuration of Tested System

Fig. 2-1 Radiated Emission Configuration

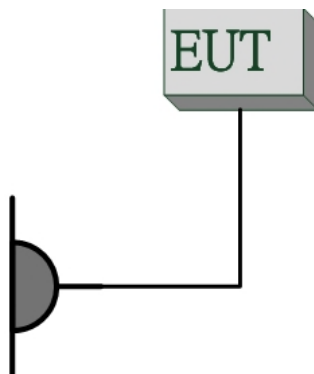


Table 2-1 Equipment Used in Tested System

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

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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	RSS-Gen §8.10	Radiated Band Edge	Compliant
§15.205 §15.209 §15.407(b)	RSS-Gen §8.9 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	
CH	Freq (MHz)
36	5180
40	5200
44	5220
48	5240

40 M	
CH	Freq (MHz)
38	5190
46	5230

80 M	
CH	Freq (MHz)
42	5210

Operated band in 5250 MHz ~5350 MHz:

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

40 M	
CH	Freq (MHz)
54	5270
62	5310

80 M	
CH	Freq (MHz)
58	5290

Operated band in 5470 MHz ~5725 MHz:

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

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

80 M	
CH	Freq (MHz)
106	5530
122	5610

Operated band in 5745 MHz ~5850 MHz:

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

40 M	
CH	Freq (MHz)
151	5755
159	5795

80 M	
CH	Freq (MHz)
155	5775

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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				Multiple Transmission Spatial
<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"/> 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 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 checked="" type="checkbox"/> MIMO
<input type="checkbox"/> 802.11 ax	<input type="checkbox"/> Ch0	<input type="checkbox"/> Ch1	<input type="checkbox"/> Ch2	<input type="checkbox"/> Ch3	<input 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.

4.3 RADIATED EMISSION TEST:

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	Ch1
	5260~5320	52 to 64	52,60,64			
	5500~5700	100 to 140	100,116,140,			
	5745~5825	149 to 165	149,157,165			
802.11n_HT20 802.11ac_VHT20	5745~5825	149 to 165	149,157,165		MCS0	SISO
802.11n_HT40 802.11ac_VHT40	5755~5795	151 to 159	151,159		MCS0	SISO
802.11ac_VHT80	5775	155	155		MCS0	SISO

Note:

The field strength of radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for 802.11a/n/ac WLAN Transmitter for channel Low, Mid and High, the worst case H position was reported.

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5 MEASUREMENT UNCERTAINTY

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	LIMIT
U-NII-2C	250mW(23.98dBm) or 11dBm+10 log B
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
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
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 FCC KDB 662911 D01

Unequal antenna gains, with equal transmit powers. For antenna gains given by G1, G2, ..., GN dBi.

(i) If transmit signals are correlated, then Directional gain
 $= 10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] \text{ dBi}$

[Note the "20"s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]

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 $10 \log(1/\text{duty cycle})$.
6. Repeat above procedures until all frequency (low, middle, and high channel) measured were complete.

6.3 Measurement Equipment Used:

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	KEYSIGHT	N9010A	MY51440113	07/15/2019	07/14/2020
Power Meter	Anritsu	ML2496A	1804002	03/26/2019	03/25/2020
Power Sensor	Anritsu	MA2411B	1726105	03/26/2019	03/25/2020
Power Sensor	Anritsu	MA2411B	1726106	03/26/2019	03/25/2020
DC Block	PASTER-NACK	PE8210	RF32	11/20/2019	11/19/2020
Attenuator	Marvelous	WATT-218FS-10	RF268	11/20/2019	11/19/2020
Attenuator	Marvelous	WATT-218FS-10	RF270	11/20/2019	11/19/2020
Coaxial Cables	Woken	00100A1F1A185C	RF220	11/20/2019	11/19/2020
Coaxial Cables	Woken	00100A1F1A185C	RF219	11/20/2019	11/19/2020
Notebook	Lenovo	T470	P0001293	N/A	N/A

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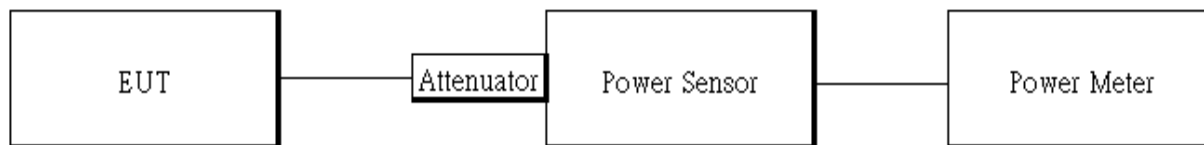
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6.4 Test Set-up:



6.5 Measurement Result

Conducted output power (FCC)

802.11ac_VHT80_MIMO

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RE- SULT
			CH 0	CH 1				
106	5530	MCS0	8.21	8.7	12.21	16.624	23.98	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
*1 beyond 75 MHz or more above of the bandedge. *2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above. *3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above. *4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.		

$EIRP = (E \cdot d)^2 / 30$, 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 (dBμV/m) = 20 log Emission level (dBμV/m)

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7.2 Measurement Equipment Used

SGS SAC-III					
Name of Equip-ment	Manufacturer	Model	Serial Num-ber	Calibration Date	Calibration Due
Broadband An-tenna	TESEQ	CBL 6112D	35240	09/09/2019	09/08/2020
Horn Antenna	Schwarzbeck	BBHA9170	185	08/07/2019	08/06/2020
Horn Antenna	Schwarzbeck	BBHA9120D	603	04/24/2019	04/23/2020
Loop Antenna	ETS.LINDGREN	6502	143303	04/25/2019	04/24/2020
EMI Test Re-ceiver	R&S	ESU 40	100363	04/15/2019	04/14/2020
Pre-Amplifier	EMC Instruments	EMC330	980096	11/20/2019	11/19/2020
Pre-Amplifier	EMC Instruments	EMC0011830	980199	11/20/2019	11/19/2020
Pre-Amplifier	EMC Instruments	EMC184045B	980135	11/20/2019	11/19/2020
Attenuator	Woken	WATT-218FS-10	RF25	11/20/2019	11/19/2020
Band Rejection Filter	Micro-Tronics	G015	RF100	11/20/2019	11/19/2020
Band Rejection Filter	Micro-Tronics	G016	RF101	11/20/2019	11/19/2020
Band Rejection Filter	Micro-Tronics	G021	RF102	11/20/2019	11/19/2020
Coaxial Cable	Huber Suhner	SUCOFLEX 104	MY17388/4	11/20/2019	11/19/2020
Coaxial Cable	Huber Suhner	RG 214/U	W22.03	11/20/2019	11/19/2020

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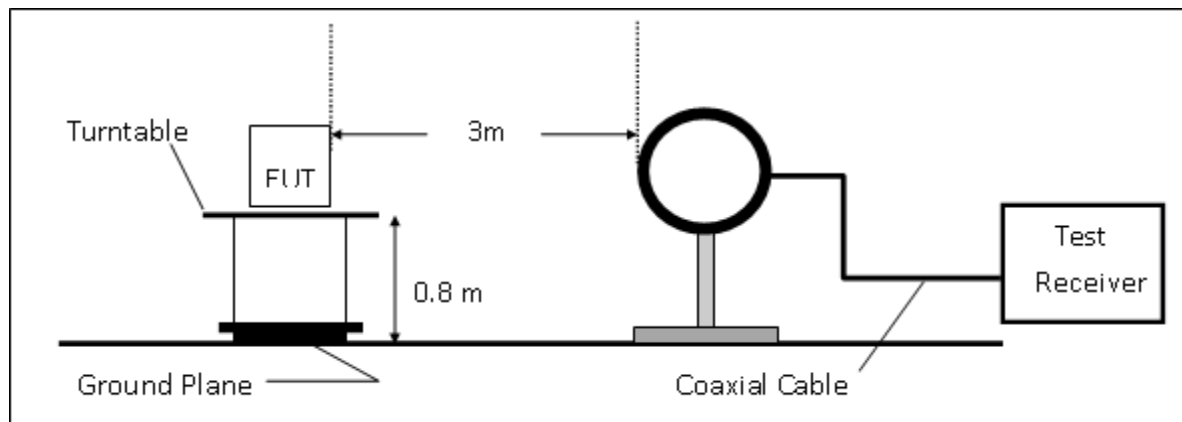
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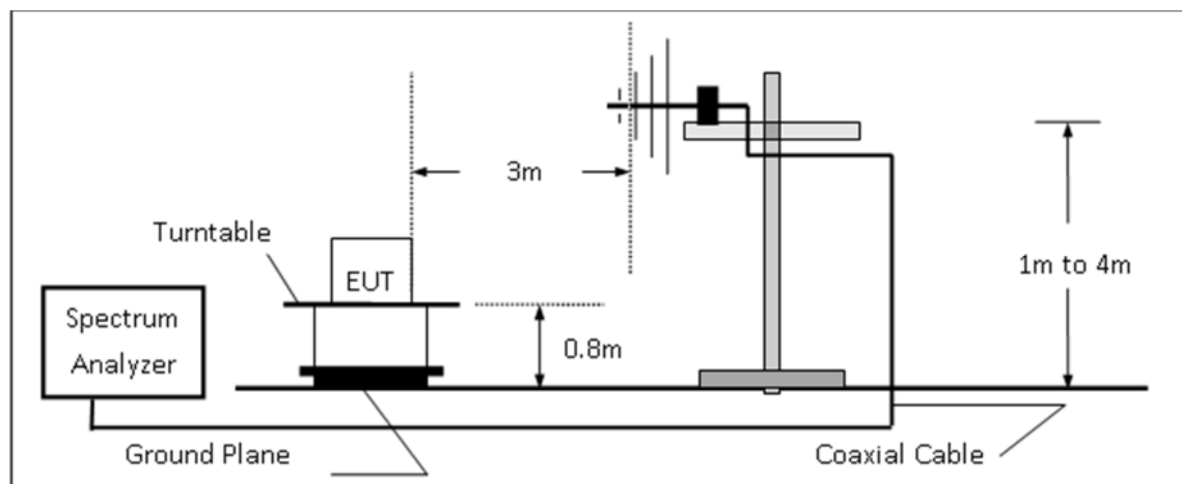
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7.3 Test SET-UP

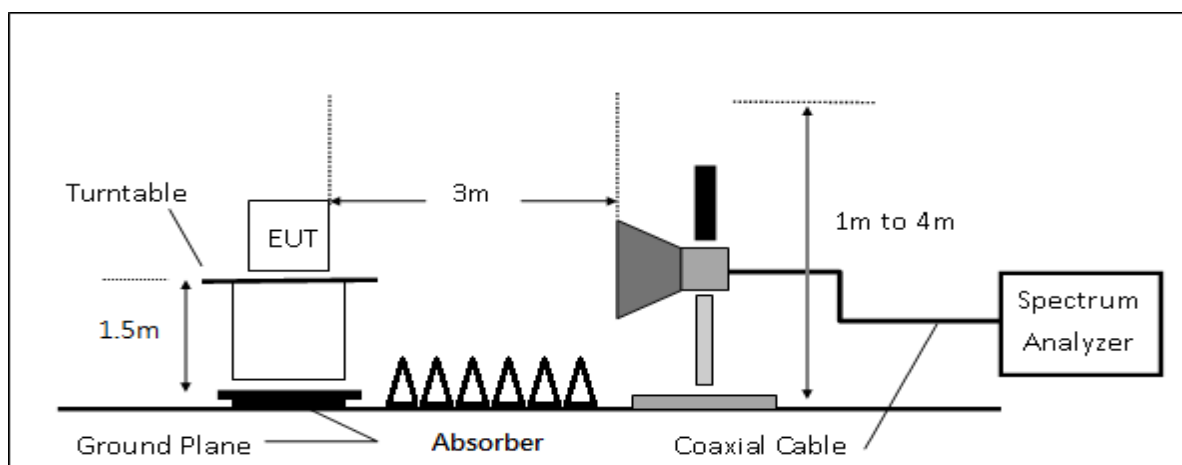
(A) Radiated Emission Test Set-UP Frequency Below 30MHz.



(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 $\geq 1/T$ (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.

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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.

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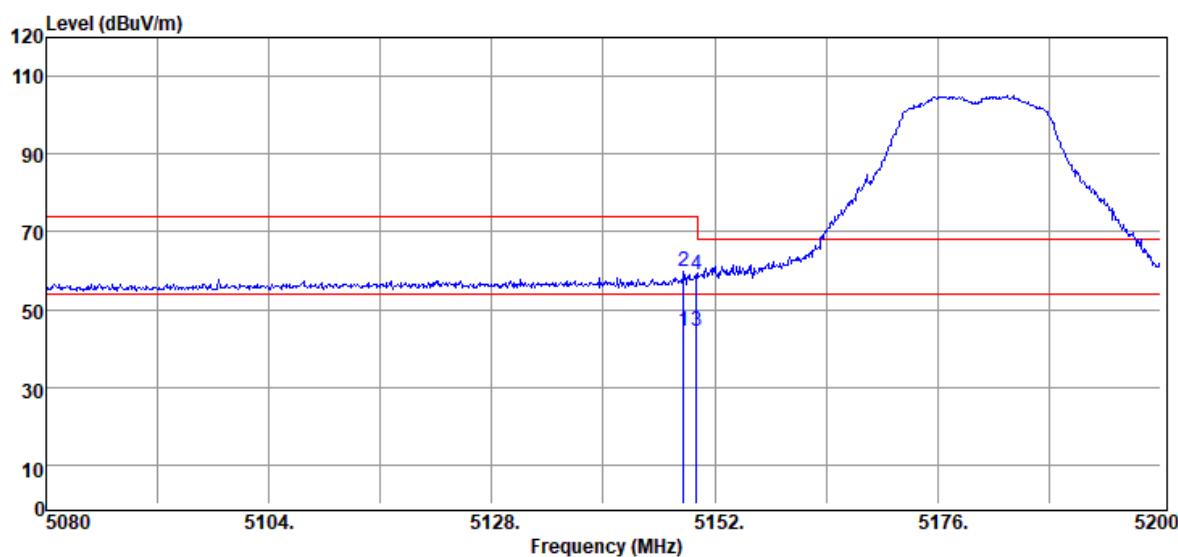
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7.7 Radiated Band Edge Measurement Result

Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 1
Test Channel :5180 MHz
Test Mode :BE CH LOW
EUT Pol :H Plan

Test Date :2020-01-10
Temp./Humi. :20.1/65
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5148.64	Average	29.48	14.94	44.42	54.00	-9.58
5148.64	Peak	44.96	14.94	59.90	74.00	-14.10
5150.00	Average	29.63	14.95	44.58	54.00	-9.42
5150.00	Peak	44.21	14.95	59.16	74.00	-14.84

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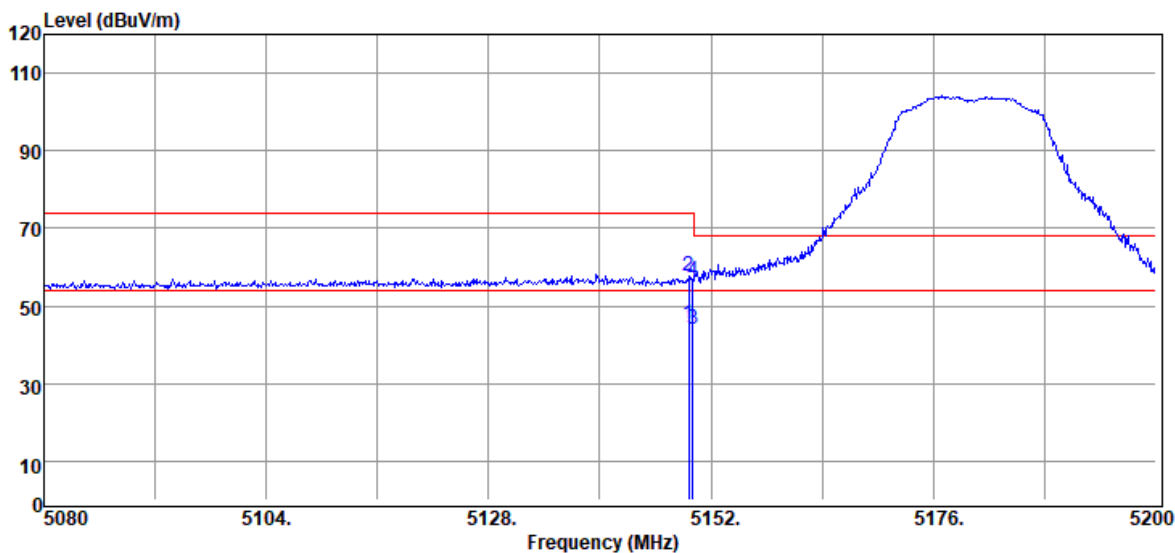
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Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 1
Test Channel :5180 MHz
Test Mode :BE CH LOW
EUT Pol :H Plan

Test Date :2020-01-10
Temp./Humi. :20.1/65
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5149.60	Average	30.21	14.94	45.15	54.00	-8.85
5149.60	Peak	42.78	14.94	57.72	74.00	-16.28
5150.00	Average	29.13	14.95	44.08	54.00	-9.92
5150.00	Peak	41.59	14.95	56.54	74.00	-17.46

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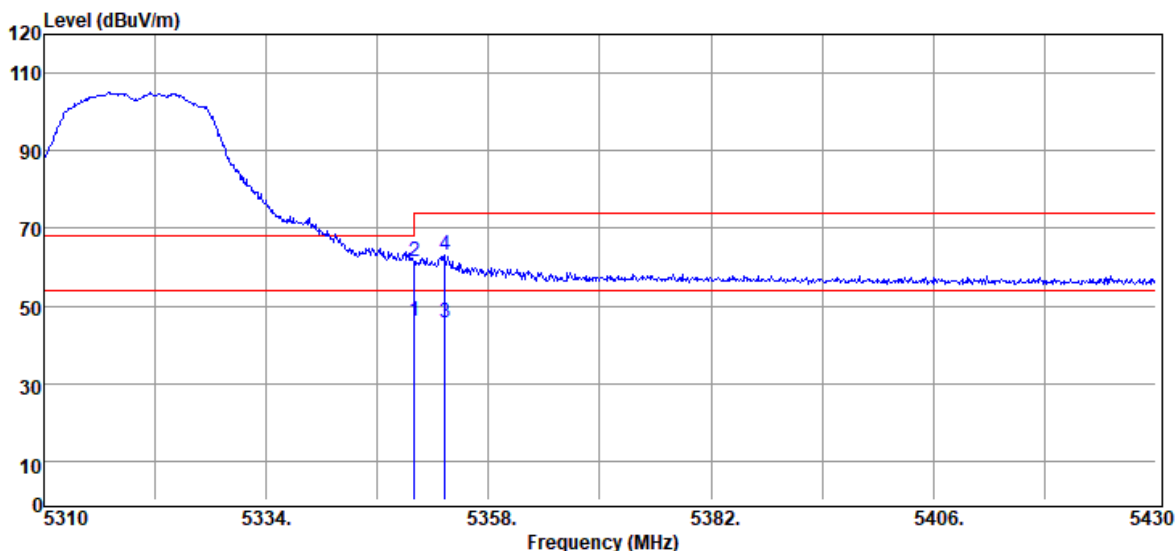
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Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 2
Test Channel :5320 MHz
Test Mode :BE CH HIGH
EUT Pol :H Plan

Test Date :2020-01-10
Temp./Humi. :20.4/65
Antenna Pol. :VERTICAL
Engineer :Ashton



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	31.51	14.57	46.08	54.00	-7.92
5350.00	Peak	46.68	14.57	61.25	74.00	-12.75
5353.32	Average	31.00	14.59	45.59	54.00	-8.41
5353.32	Peak	48.64	14.59	63.23	74.00	-10.77

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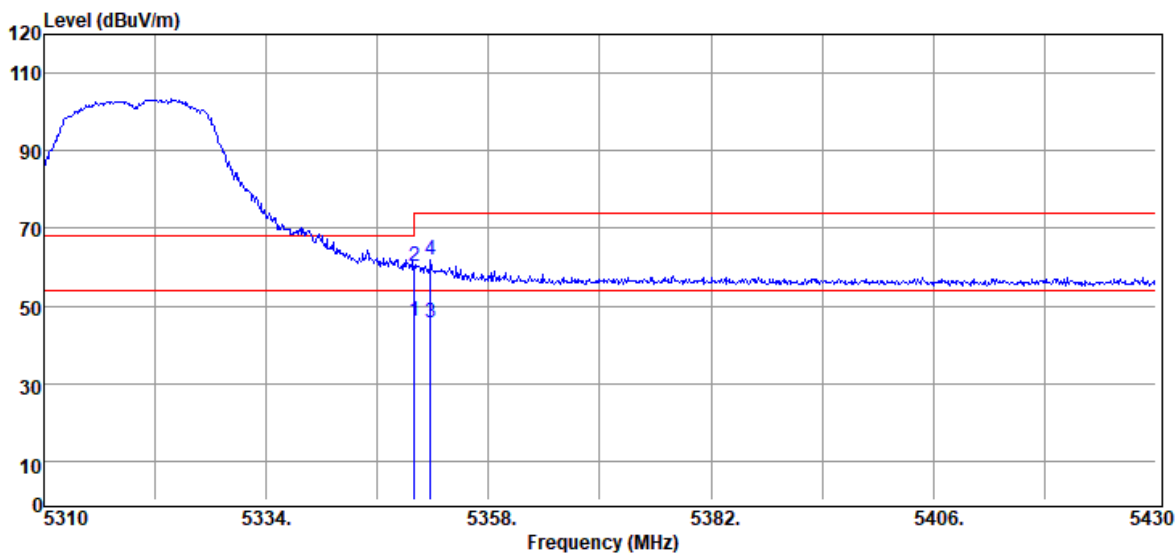
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Report Number :E2/2019/C0053
 Operation Mode :802.11a / Band 2
 Test Channel :5320 MHz
 Test Mode :BE CH HIGH
 EUT Pol :H Plan

Test Date :2020-01-10
 Temp./Humi. :20.4/65
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton



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	31.72	14.57	46.29	54.00	-7.71
5350.00	Peak	45.50	14.57	60.07	74.00	-13.93
5351.76	Average	31.13	14.59	45.72	54.00	-8.28
5351.76	Peak	47.21	14.59	61.80	74.00	-12.20

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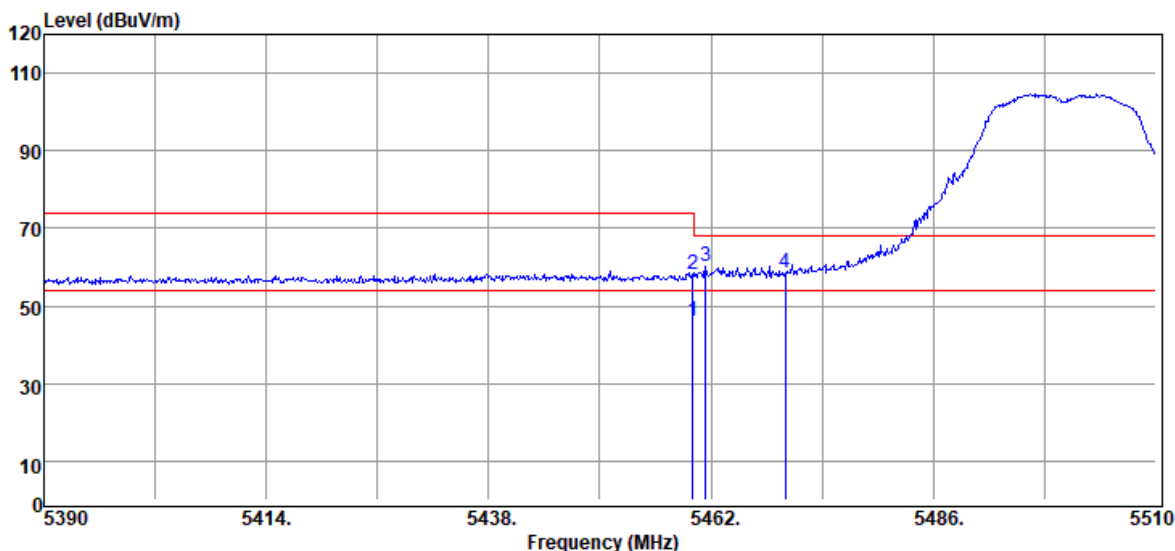
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Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 3
Test Channel :5500 MHz
Test Mode :BE CH LOW
EUT Pol :H Plan

Test Date :2020-01-10
Temp./Humi. :20.5/65
Antenna Pol. :HORIZONTAL
Engineer :Ashton



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	30.90	15.01	45.91	54.00	-8.09
5460.00	Peak	43.23	15.01	58.24	74.00	-15.76
5461.40	Peak	45.13	15.02	60.15	68.20	-8.05
5470.00	Peak	43.71	15.02	58.73	68.20	-9.47

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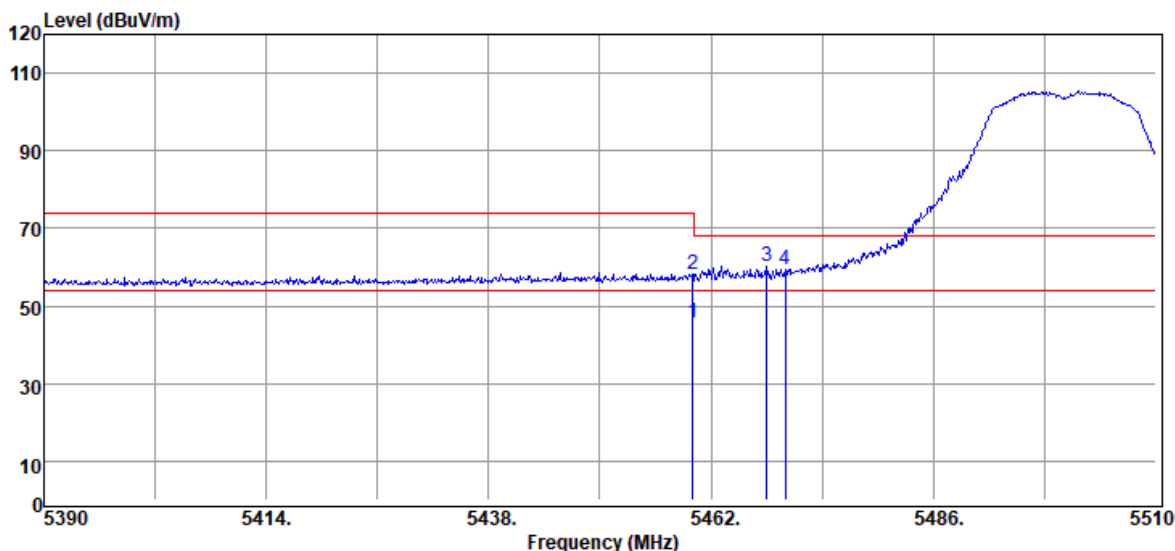
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Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 3
Test Channel :5500 MHz
Test Mode :BE CH LOW
EUT Pol :H Plan

Test Date :2020-01-10
Temp./Humi. :20.5/65
Antenna Pol. :VERTICAL
Engineer :Ashton



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	30.55	15.01	45.56	54.00	-8.44
5460.00	Peak	43.08	15.01	58.09	74.00	-15.91
5468.00	Peak	45.31	15.02	60.33	68.20	-7.87
5470.00	Peak	44.44	15.02	59.46	68.20	-8.74

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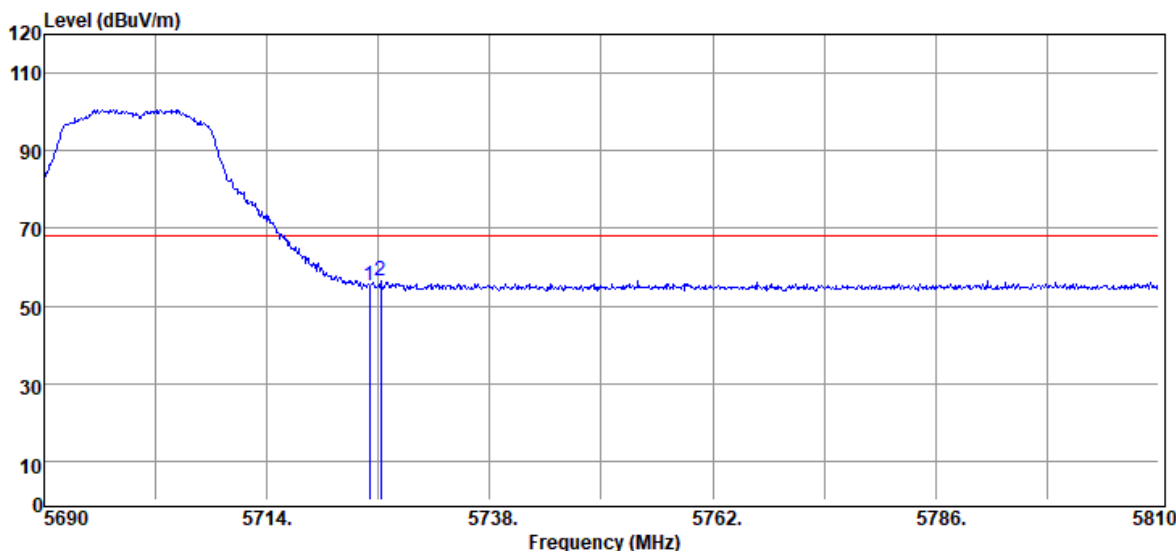
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Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 3
Test Frequency :5500 MHz
Test Mode :BE CH LOW
EUT Pol :H Plan

Test Date :2020-03-31
Temp./Humi. :23.1/62
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.00	Peak	38.78	16.44	55.22	68.20	-12.98
5726.24	Peak	39.92	16.44	56.36	68.20	-11.84

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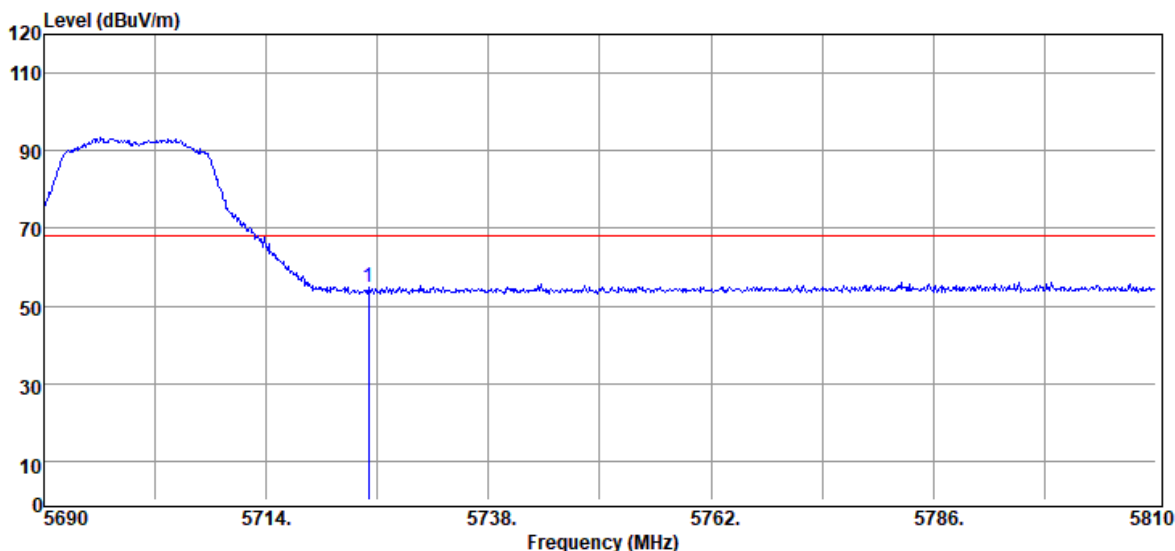
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Report Number :E2/2019/C0053
 Operation Mode :802.11a / Band 3
 Test Frequency :5500 MHz
 Test Mode :BE CH LOW
 EUT Pol :H Plan

Test Date :2020-03-31
 Temp./Humi. :23.1/62
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.00	Peak	38.27	16.44	54.71	68.20	-13.49

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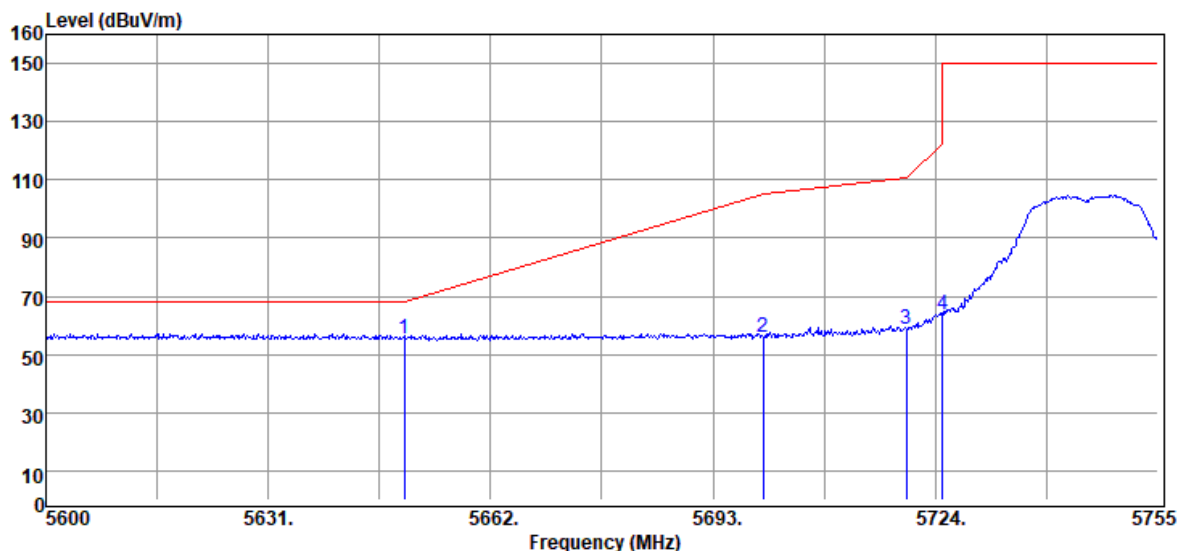
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Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 4
Test Channel :5700 MHz
Test Mode :BE CH LOW
EUT Pol :H Plan

Test Date :2020-01-10
Temp./Humi. :20.6/64
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.00	Peak	40.63	14.88	55.51	68.20	-12.69
5700.00	Peak	40.87	15.13	56.00	105.20	-49.20
5720.00	Peak	43.53	15.29	58.82	110.80	-51.98
5725.00	Peak	48.55	15.34	63.89	122.20	-58.31

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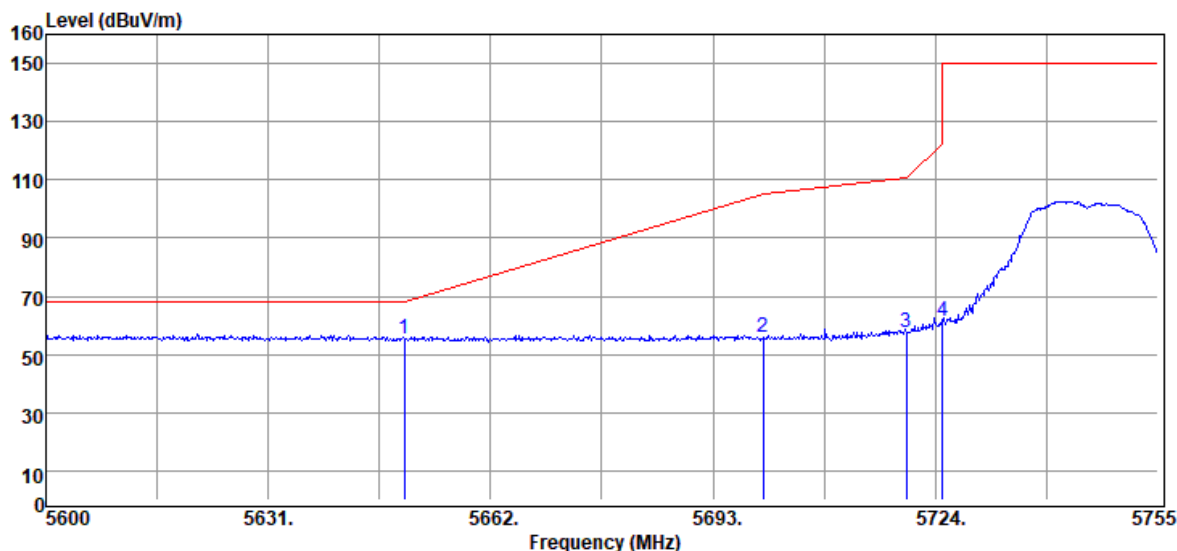
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Operation Mode :802.11a / Band 4
Test Channel :5700 MHz
Test Mode :BE CH LOW
EUT Pol :H Plan

Test Date :2020-01-10
Temp./Humi. :20.6/64
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.00	Peak	40.35	14.88	55.23	68.20	-12.97
5700.00	Peak	40.92	15.13	56.05	105.20	-49.15
5720.00	Peak	42.32	15.29	57.61	110.80	-53.19
5725.00	Peak	45.84	15.34	61.18	122.20	-61.02

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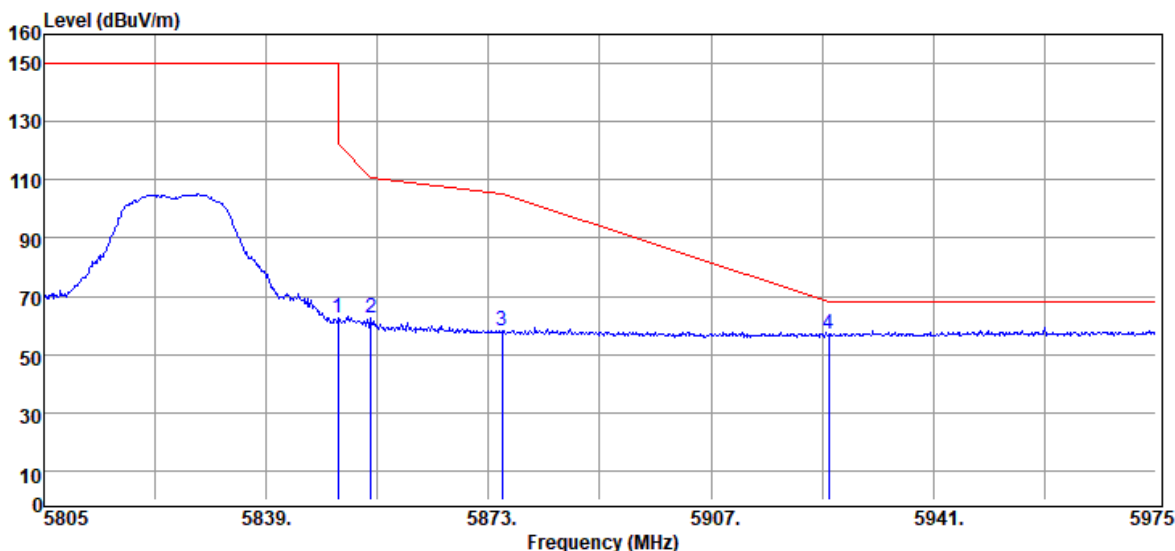
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Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 4
Test Channel :5825 MHz
Test Mode :BE CH HIGH
EUT Pol :H Plan

Test Date :2020-01-10
Temp./Humi. :20.9/64
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.00	Peak	46.90	15.85	62.75	122.20	-59.45
5855.00	Peak	46.96	15.84	62.80	110.80	-48.00
5875.00	Peak	42.11	15.77	57.88	105.20	-47.32
5925.00	Peak	41.02	15.99	57.01	68.20	-11.19

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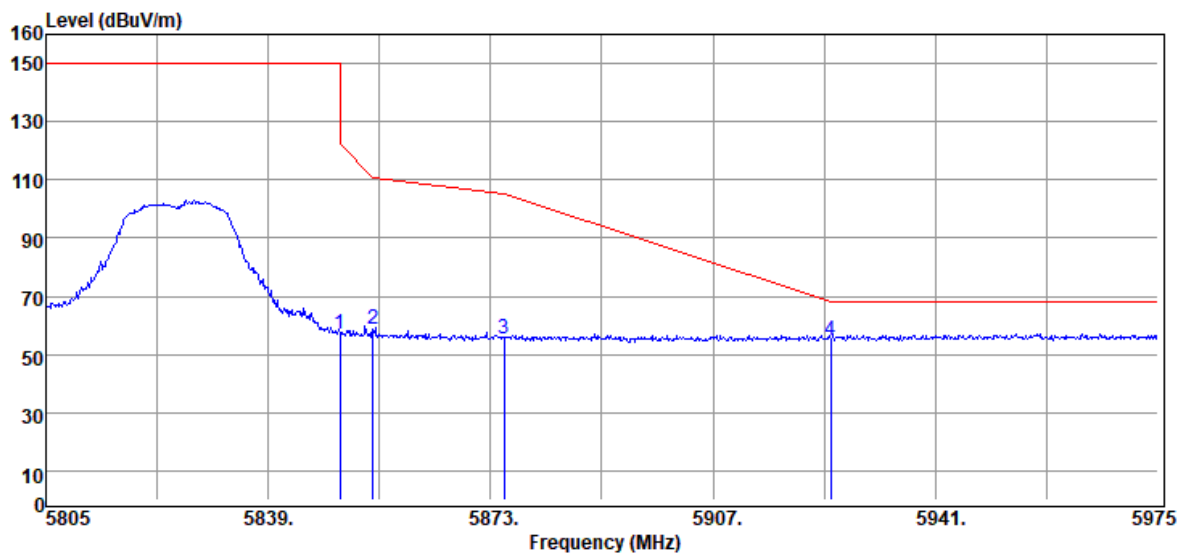
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Report Number :E2/2019/C0053
 Operation Mode :802.11a / Band 4
 Test Channel :5825 MHz
 Test Mode :BE CH HIGH
 EUT Pol :H Plan

Test Date :2020-01-10
 Temp./Humi. :20.9/64
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.00	Peak	41.38	15.85	57.23	122.20	-64.97
5855.00	Peak	42.79	15.84	58.63	110.80	-52.17
5875.00	Peak	39.86	15.77	55.63	105.20	-49.57
5925.00	Peak	39.05	15.99	55.04	68.20	-13.16

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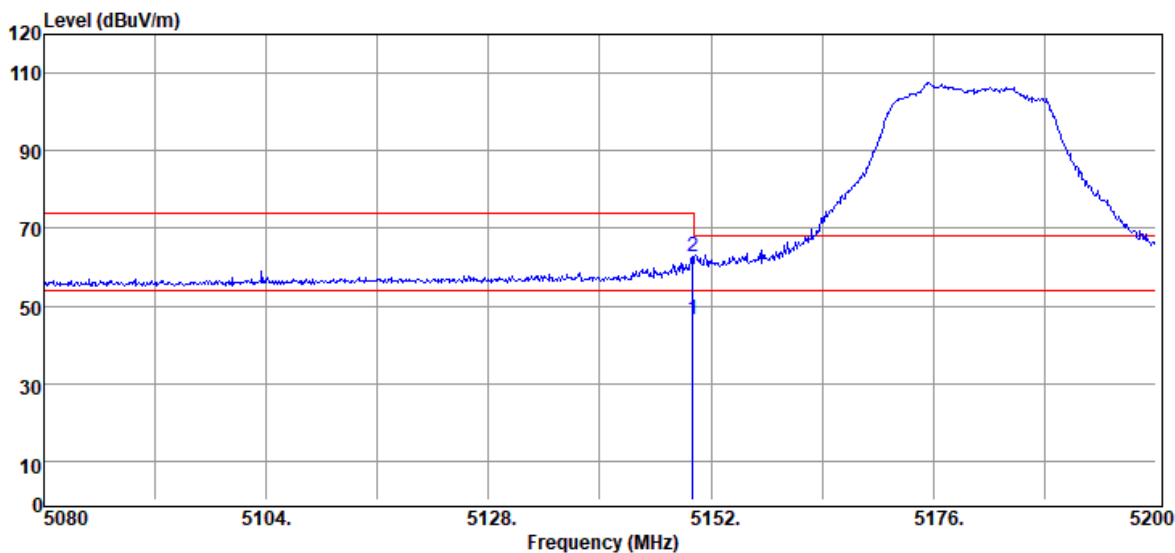
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 1
 Test Channel :5180 MHz
 Test Mode :BE CH LOW
 EUT Pol :H Plan

Test Date :2020-01-10
 Temp./Humi. :22.4/61
 Antenna Pol. :VERTICAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5150.00	Average	31.52	14.95	46.47	54.00	-7.53
5150.00	Peak	47.69	14.95	62.64	74.00	-11.36

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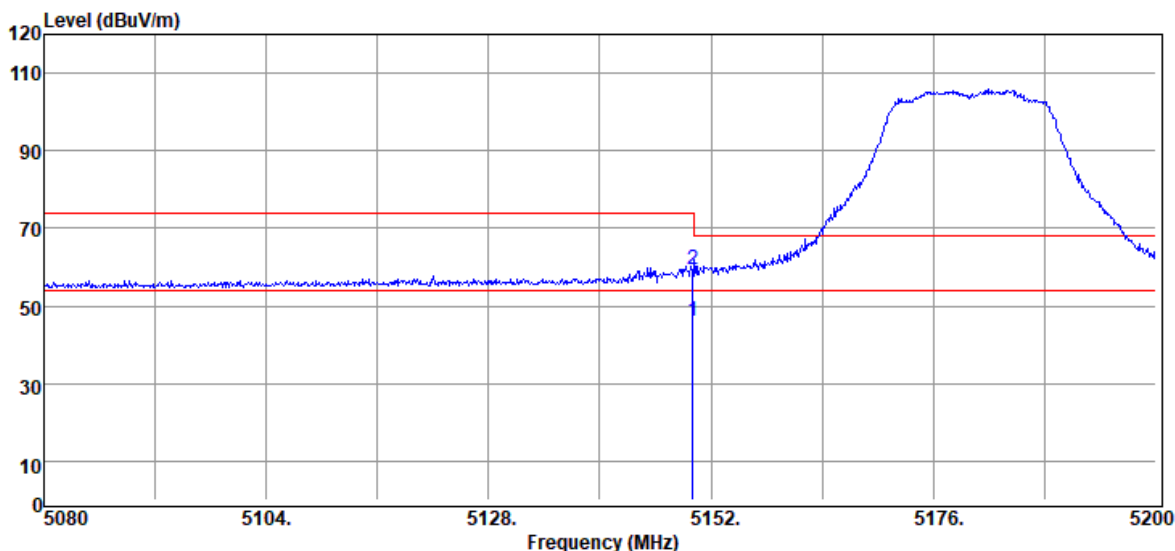
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Report Number :E2/2019/C0053
Operation Mode :802.11n20 / Band 1
Test Channel :5180 MHz
Test Mode :BE CH LOW
EUT Pol :H Plan

Test Date :2020-01-10
Temp./Humi. :22.4/61
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5150.00	Average	31.20	14.95	46.15	54.00	-7.85
5150.00	Peak	44.38	14.95	59.33	74.00	-14.67

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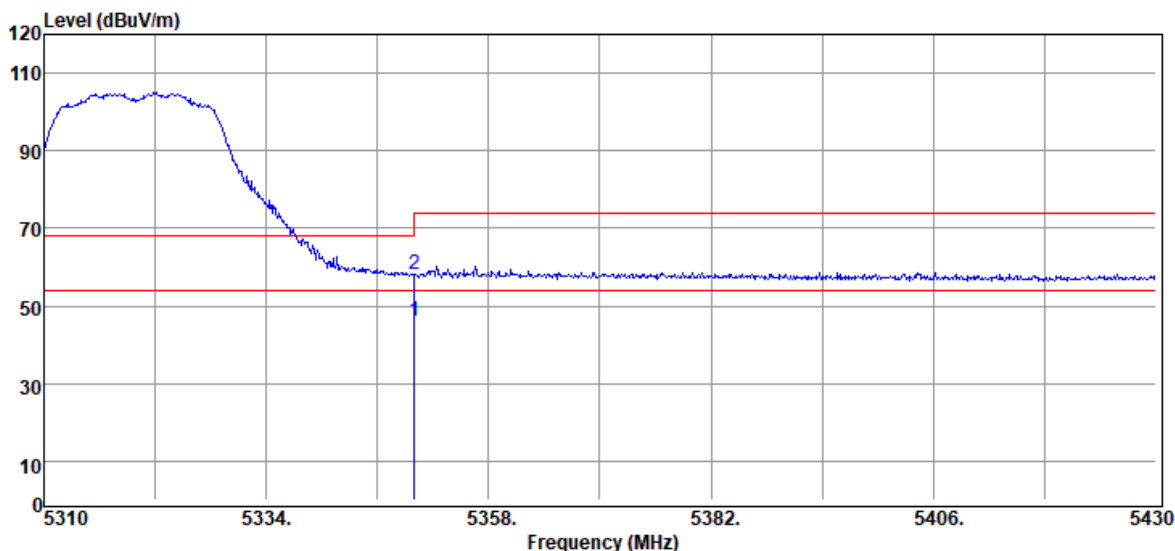
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Report Number :E2/2019/C0053
Operation Mode :802.11n20 / Band 2
Test Channel :5320 MHz
Test Mode :BE CH HIGH
EUT Pol :H Plan

Test Date :2020-01-10
Temp./Humi. :22.6/60
Antenna Pol. :VERTICAL
Engineer :Ashton



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	31.68	14.57	46.25	54.00	-7.75
5350.00	Peak	43.68	14.57	58.25	74.00	-15.75

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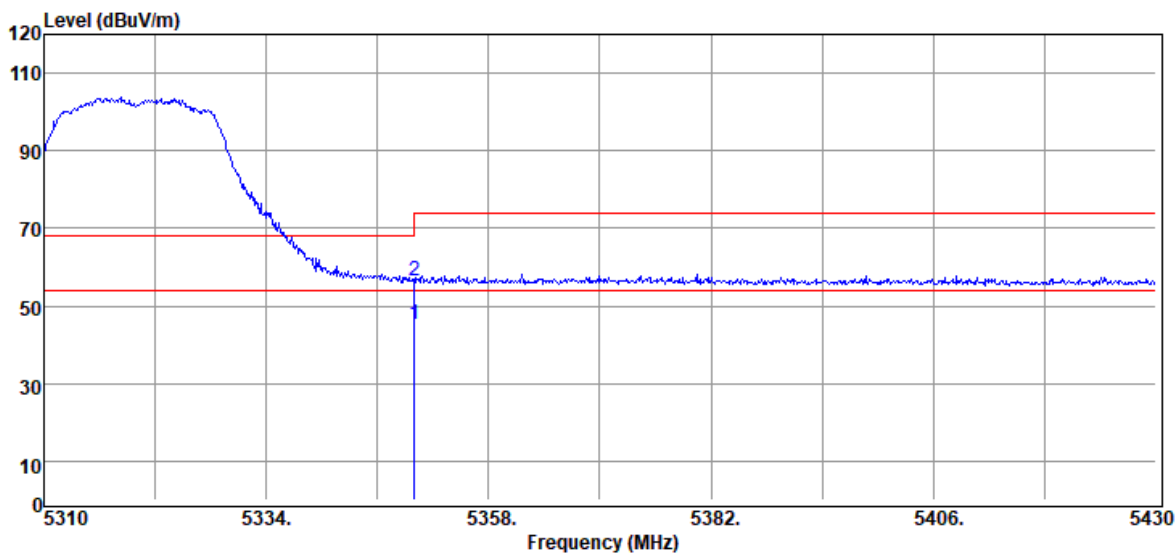
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 2
 Test Channel :5320 MHz
 Test Mode :BE CH HIGH
 EUT Pol :H Plan

Test Date :2020-01-10
 Temp./Humi. :22.6/60
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.00	Average	30.87	14.57	45.44	54.00	-8.56
5350.00	Peak	41.83	14.57	56.40	74.00	-17.60

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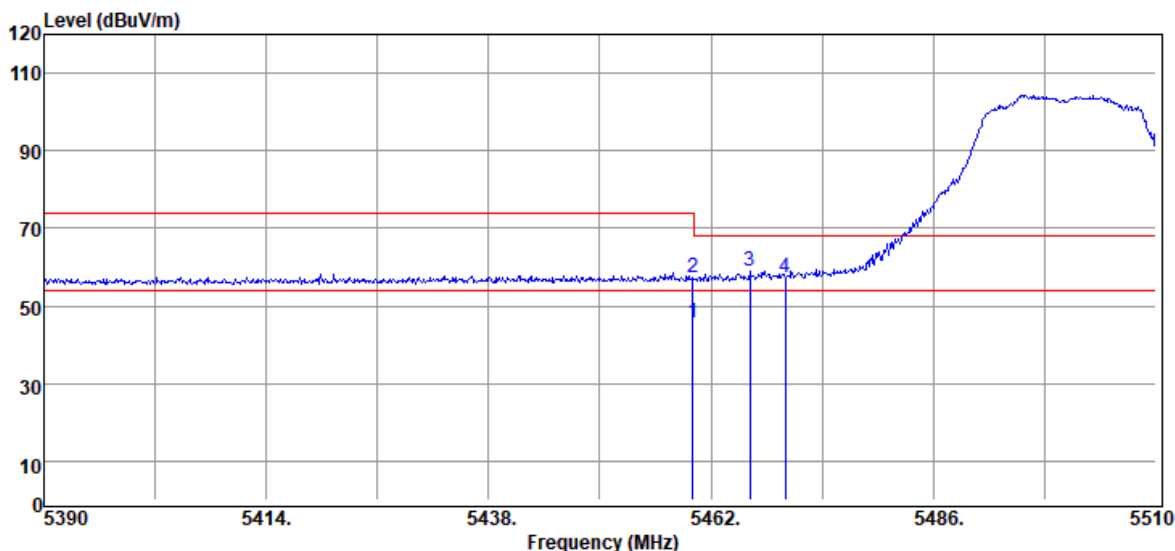
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Report Number :E2/2019/C0053
Operation Mode :802.11n20 / Band 3
Test Channel :5500 MHz
Test Mode :BE CH LOW
EUT Pol :H Plan

Test Date :2020-01-10
Temp./Humi. :22.7/59
Antenna Pol. :VERTICAL
Engineer :Ashton



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	30.75	15.01	45.76	54.00	-8.24
5460.00	Peak	42.18	15.01	57.19	74.00	-16.81
5466.20	Peak	44.14	15.02	59.16	68.20	-9.04
5470.00	Peak	42.24	15.02	57.26	68.20	-10.94

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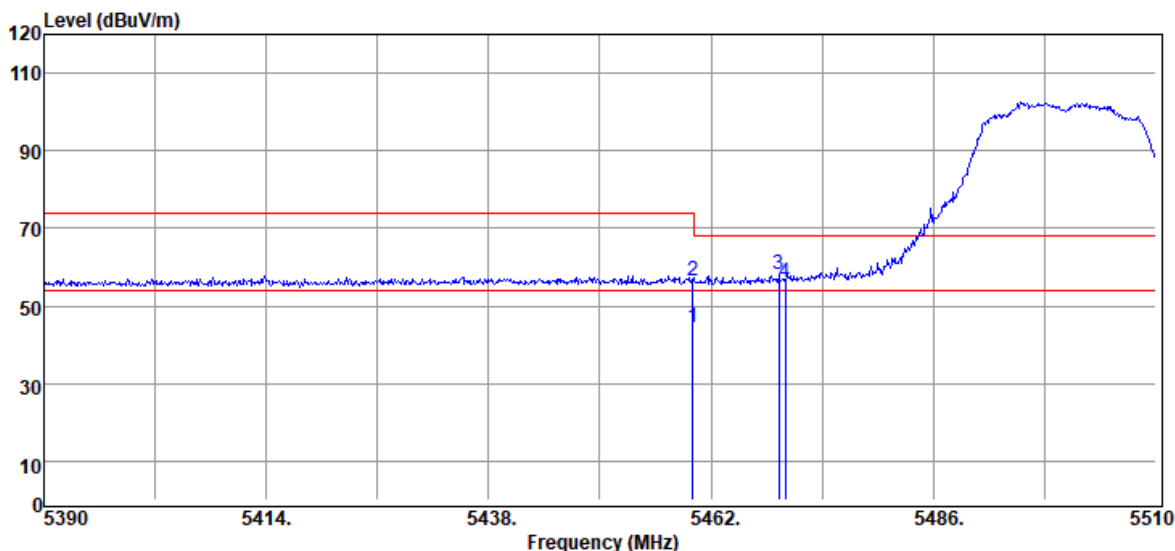
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Report Number :E2/2019/C0053
Operation Mode :802.11n20 / Band 3
Test Channel :5500 MHz
Test Mode :BE CH LOW
EUT Pol :H Plan

Test Date :2020-01-10
Temp./Humi. :22.7/59
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5460.00	Average	29.38	15.01	44.39	54.00	-9.61
5460.00	Peak	41.33	15.01	56.34	74.00	-17.66
5469.32	Peak	42.98	15.02	58.00	68.20	-10.20
5470.00	Peak	41.12	15.02	56.14	68.20	-12.06

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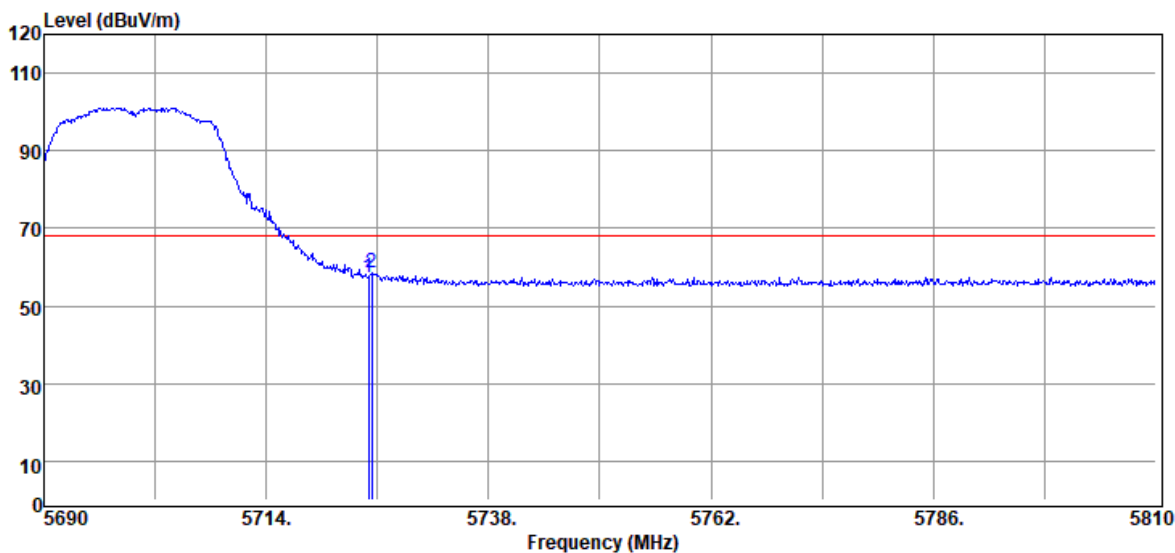
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 3
 Test Channel :5700 MHz
 Test Mode :BE CH HIGH
 EUT Pol :H Plan

Test Date :2020-01-10
 Temp./Humi. :22.7/59
 Antenna Pol. :VERTICAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.00	Peak	41.91	15.34	57.25	68.20	-10.95
5725.40	Peak	43.01	15.34	58.35	68.20	-9.85

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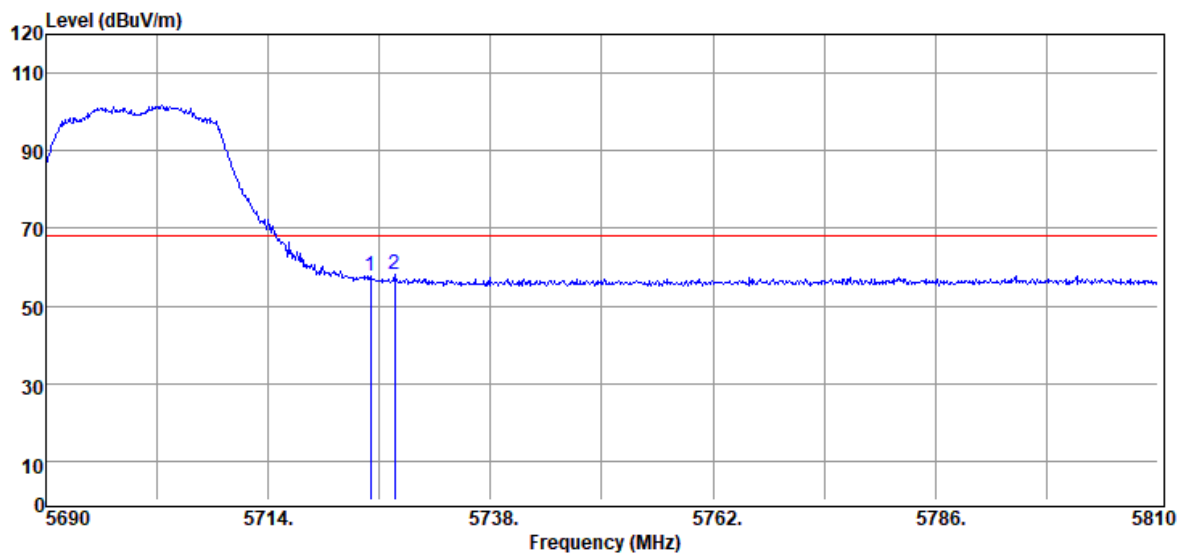
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 3
 Test Channel :5700 MHz
 Test Mode :BE CH HIGH
 EUT Pol :H Plan

Test Date :2020-01-10
 Temp./Humi. :22.7/59
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.00	Peak	42.35	15.34	57.69	68.20	-10.51
5727.68	Peak	42.61	15.36	57.97	68.20	-10.23

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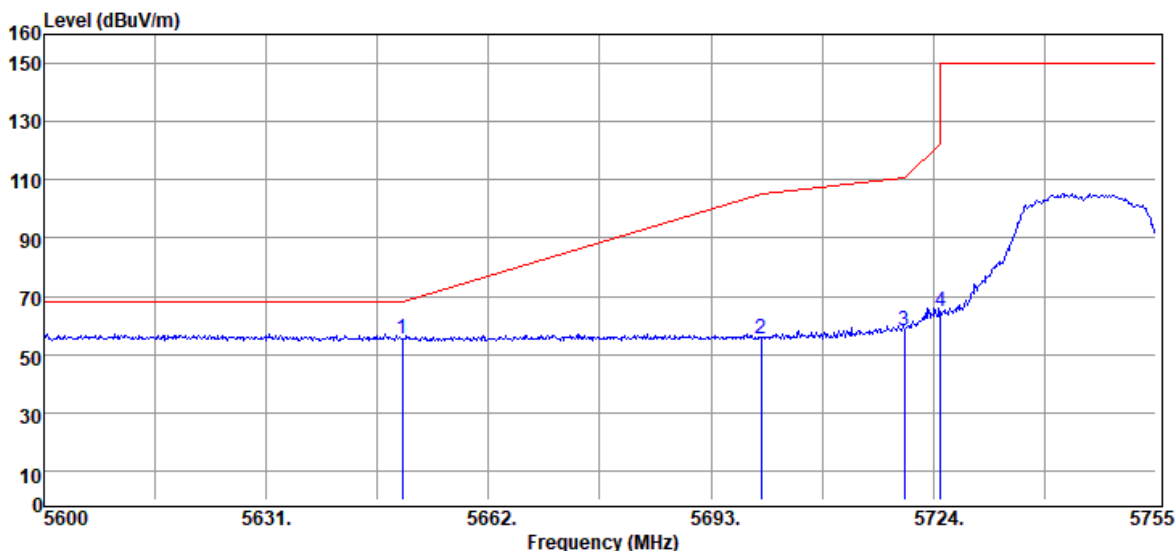
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 4
 Test Channel :5745 MHz
 Test Mode :BE CH LOW
 EUT Pol :H Plan

Test Date :2020-01-10
 Temp./Humi. :22.7/59
 Antenna Pol. :VERTICAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.00	Peak	40.34	14.88	55.22	68.20	-12.98
5700.00	Peak	40.43	15.13	55.56	105.20	-49.64
5720.00	Peak	42.98	15.29	58.27	110.80	-52.53
5725.00	Peak	49.38	15.34	64.72	122.20	-57.48

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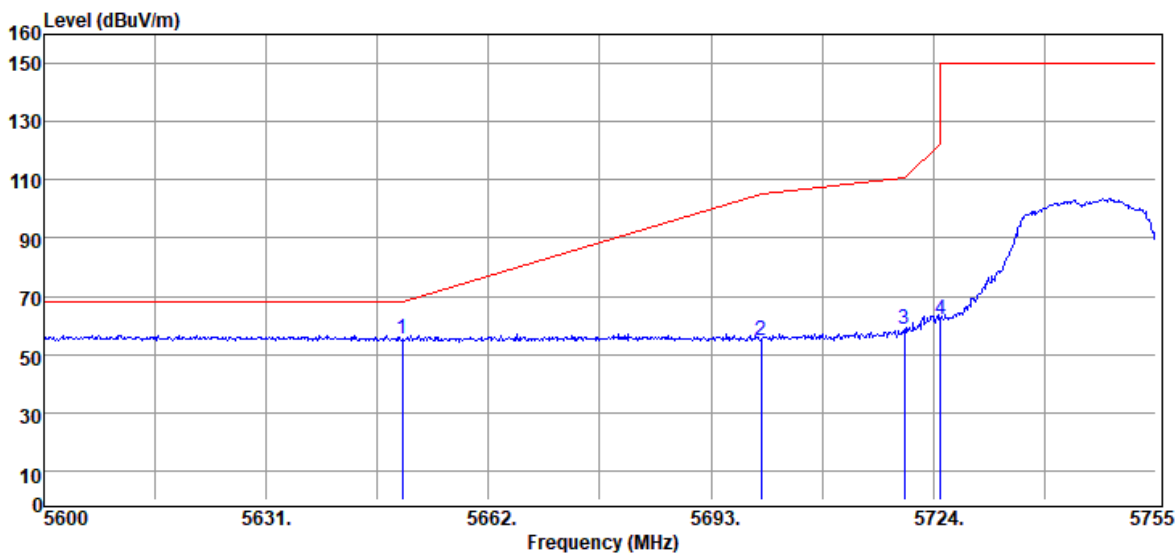
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 4
 Test Channel :5745 MHz
 Test Mode :BE CH LOW
 EUT Pol :H Plan

Test Date :2020-01-10
 Temp./Humi. :22.7/59
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.00	Peak	40.72	14.88	55.60	68.20	-12.60
5700.00	Peak	39.94	15.13	55.07	105.20	-50.13
5720.00	Peak	43.28	15.29	58.57	110.80	-52.23
5725.00	Peak	46.63	15.34	61.97	122.20	-60.23

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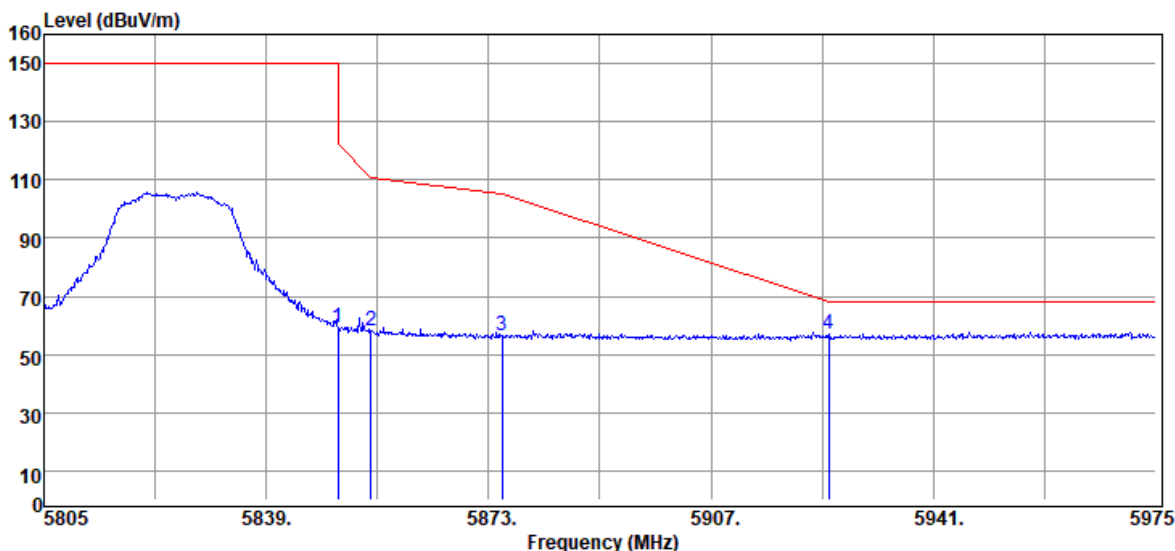
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Report Number :E2/2019/C0053
Operation Mode :802.11n20 / Band 4
Test Channel :5825 MHz
Test Mode :BE CH HIGH
EUT Pol :H Plan

Test Date :2020-01-10
Temp./Humi. :22.7/59
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.00	Peak	43.20	15.85	59.05	122.20	-63.15
5855.00	Peak	42.51	15.84	58.35	110.80	-52.45
5875.00	Peak	40.48	15.77	56.25	105.20	-48.95
5925.00	Peak	41.07	15.99	57.06	68.20	-11.14

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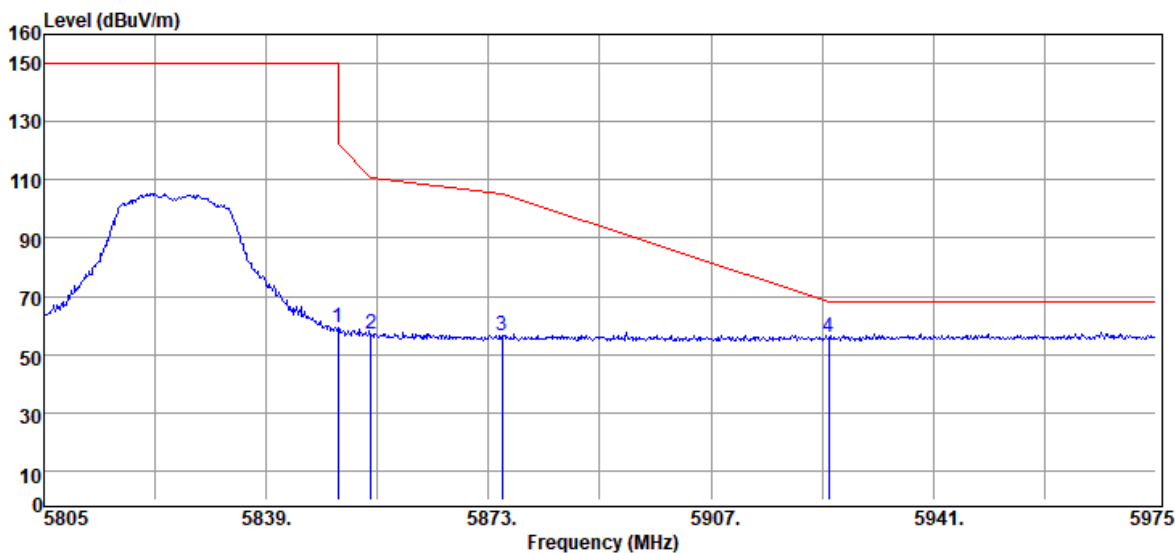
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 4
 Test Channel :5825 MHz
 Test Mode :BE CH HIGH
 EUT Pol :H Plan

Test Date :2020-01-10
 Temp./Humi. :22.7/59
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.00	Peak	43.55	15.85	59.40	122.20	-62.80
5855.00	Peak	40.97	15.84	56.81	110.80	-53.99
5875.00	Peak	40.60	15.77	56.37	105.20	-48.83
5925.00	Peak	39.68	15.99	55.67	68.20	-12.53

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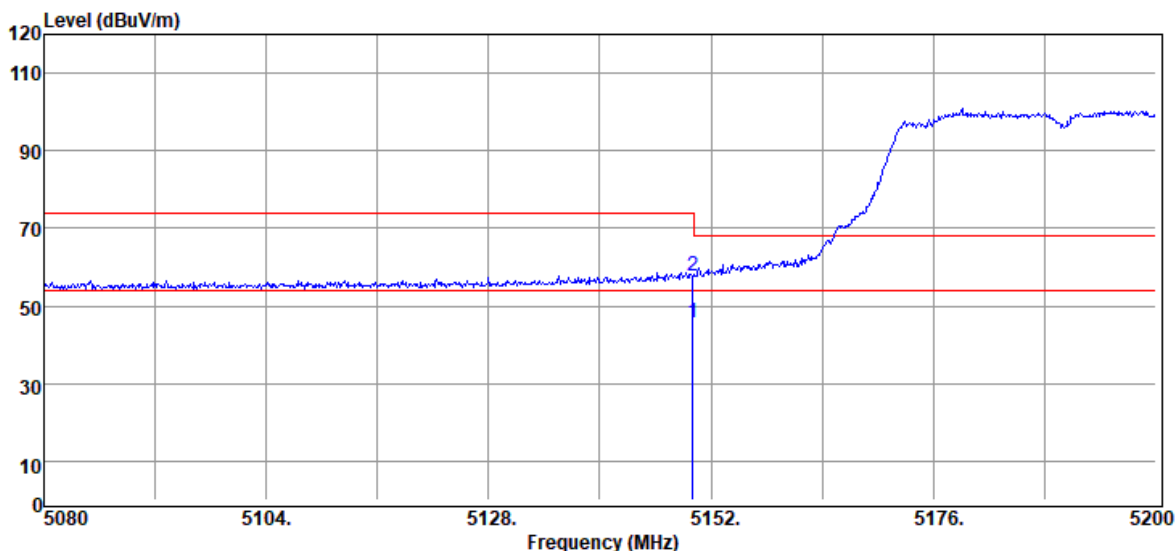
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Report Number :E2/2019/C0053
Operation Mode :802.11n40 / Band 1
Test Channel :5190 MHz
Test Mode :BE CH LOW
EUT Pol :H Plan

Test Date :2020-01-10
Temp./Humi. :22.7/59
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5150.00	Average	30.93	14.95	45.88	54.00	-8.12
5150.00	Peak	42.69	14.95	57.64	74.00	-16.36

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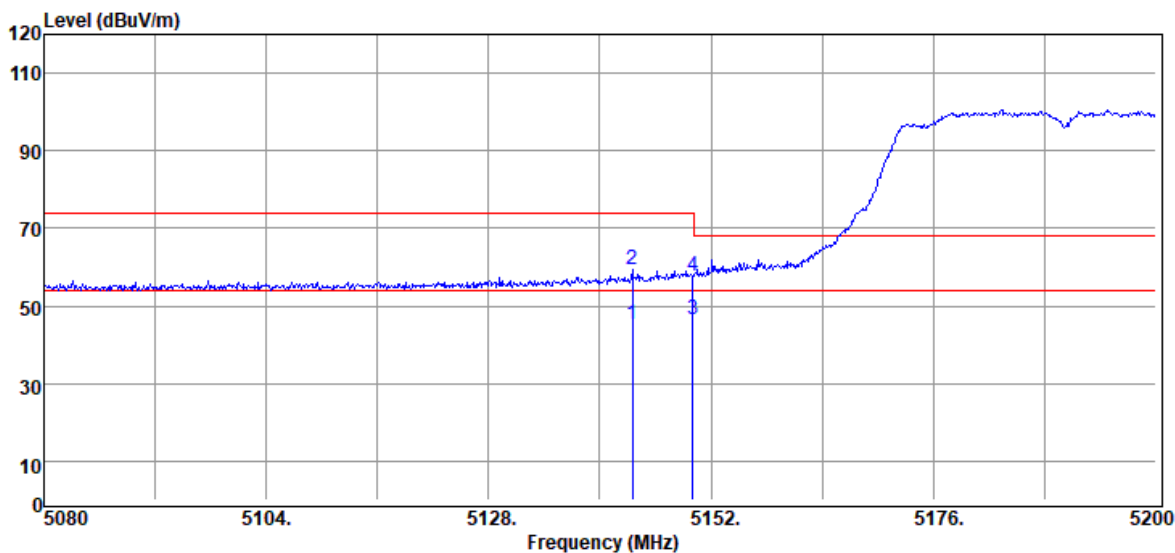
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Report Number :E2/2019/C0053
 Operation Mode :802.11n40 / Band 1
 Test Channel :5190 MHz
 Test Mode :BE CH LOW
 EUT Pol :H Plan

Test Date :2020-01-10
 Temp./Humi. :22.7/59
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5143.48	Average	30.33	14.93	45.26	54.00	-8.74
5143.48	Peak	44.27	14.93	59.20	74.00	-14.80
5150.00	Average	31.72	14.95	46.67	54.00	-7.33
5150.00	Peak	42.96	14.95	57.91	74.00	-16.09

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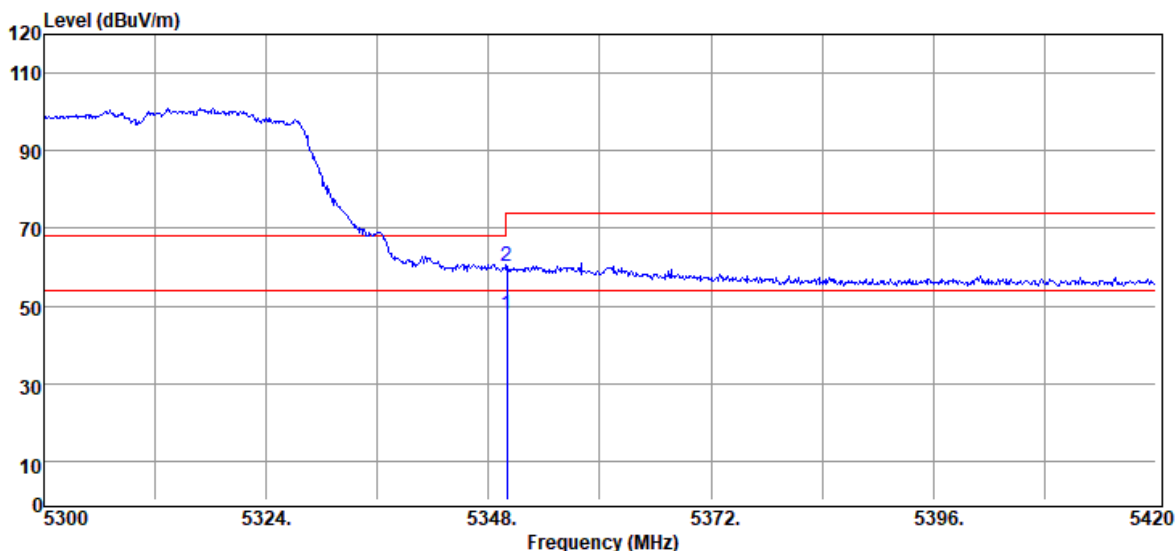
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Report Number :E2/2019/C0053
Operation Mode :802.11n40 / Band 2
Test Channel :5310 MHz
Test Mode :BE CH HIGH
EUT Pol :H Plan

Test Date :2020-01-10
Temp./Humi. :22.7/59
Antenna Pol. :VERTICAL
Engineer :Ashton



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	32.99	14.57	47.56	54.00	-6.44
5350.00	Peak	45.69	14.57	60.26	74.00	-13.74

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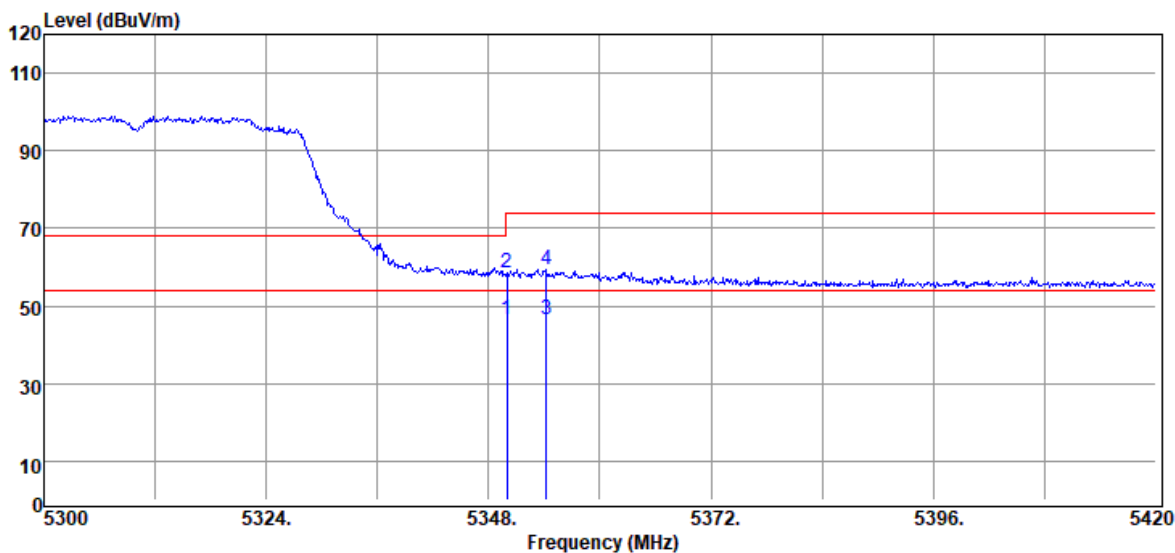
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Report Number :E2/2019/C0053
Operation Mode :802.11n40 / Band 2
Test Channel :5310 MHz
Test Mode :BE CH HIGH
EUT Pol :H Plan

Test Date :2020-01-10
Temp./Humi. :22.7/59
Antenna Pol. :HORIZONTAL
Engineer :Ashton



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	32.07	14.57	46.64	54.00	-7.36
5350.00	Peak	43.95	14.57	58.52	74.00	-15.48
5354.24	Average	31.86	14.61	46.47	54.00	-7.53
5354.24	Peak	44.84	14.61	59.45	74.00	-14.55

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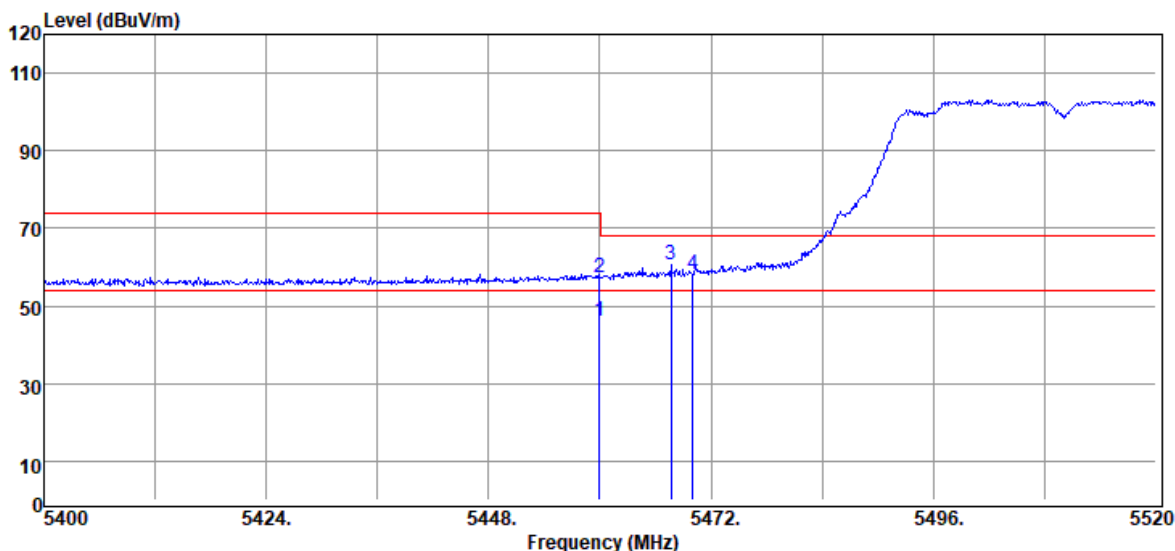
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Report Number :E2/2019/C0053
Operation Mode :802.11n40 / Band 3
Test Channel :5510 MHz
Test Mode :BE CH LOW
EUT Pol :H Plan

Test Date :2020-01-10
Temp./Humi. :22.7/59
Antenna Pol. :VERTICAL
Engineer :Ashton



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	30.99	15.01	46.00	54.00	-8.00
5460.00	Peak	42.46	15.01	57.47	74.00	-16.53
5467.68	Peak	45.52	15.02	60.54	68.20	-7.66
5470.00	Peak	43.28	15.02	58.30	68.20	-9.90

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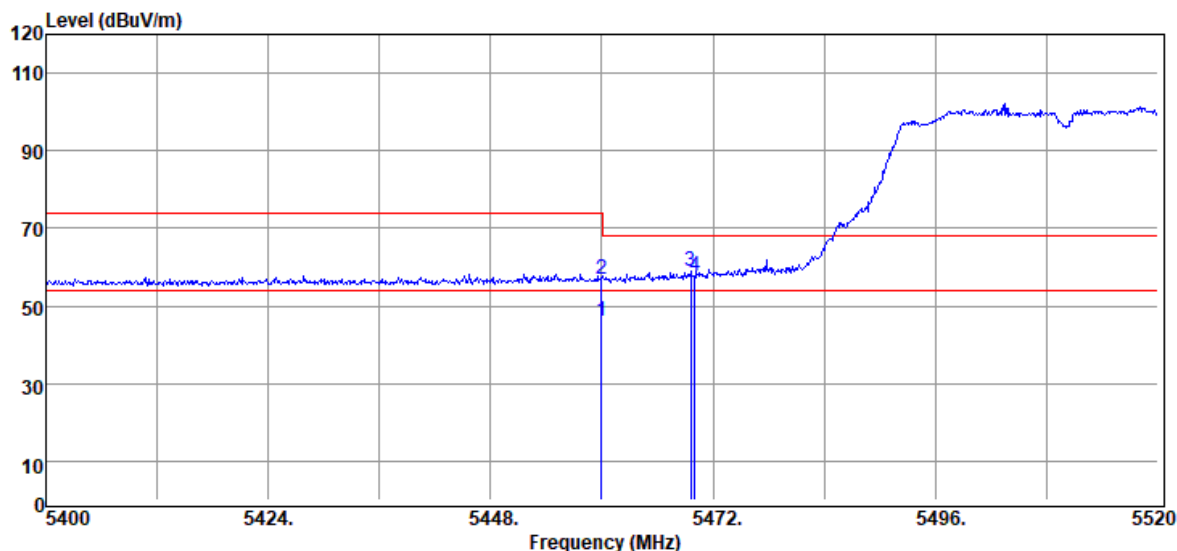
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Report Number :E2/2019/C0053
Operation Mode :802.11n40 / Band 3
Test Channel :5510 MHz
Test Mode :BE CH LOW
EUT Pol :H Plan

Test Date :2020-01-10
Temp./Humi. :22.7/59
Antenna Pol. :HORIZONTAL
Engineer :Ashton



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	30.89	15.01	45.90	54.00	-8.10
5460.00	Peak	41.81	15.01	56.82	74.00	-17.18
5469.60	Peak	44.05	15.02	59.07	68.20	-9.13
5470.00	Peak	42.66	15.02	57.68	68.20	-10.52

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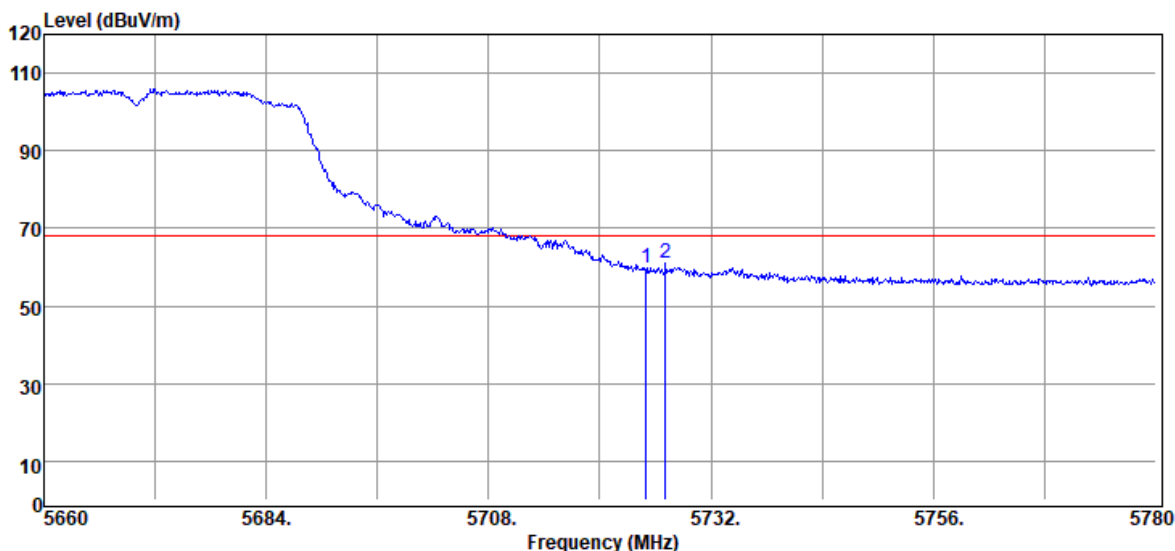
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Report Number :E2/2019/C0053
 Operation Mode :802.11n40 / Band 3
 Test Channel :5670 MHz
 Test Mode :BE CH HIGH
 EUT Pol :H Plan

Test Date :2020-01-10
 Temp./Humi. :22.6/59
 Antenna Pol. :VERTICAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.00	Peak	44.32	15.34	59.66	68.20	-8.54
5727.08	Peak	45.56	15.34	60.90	68.20	-7.30

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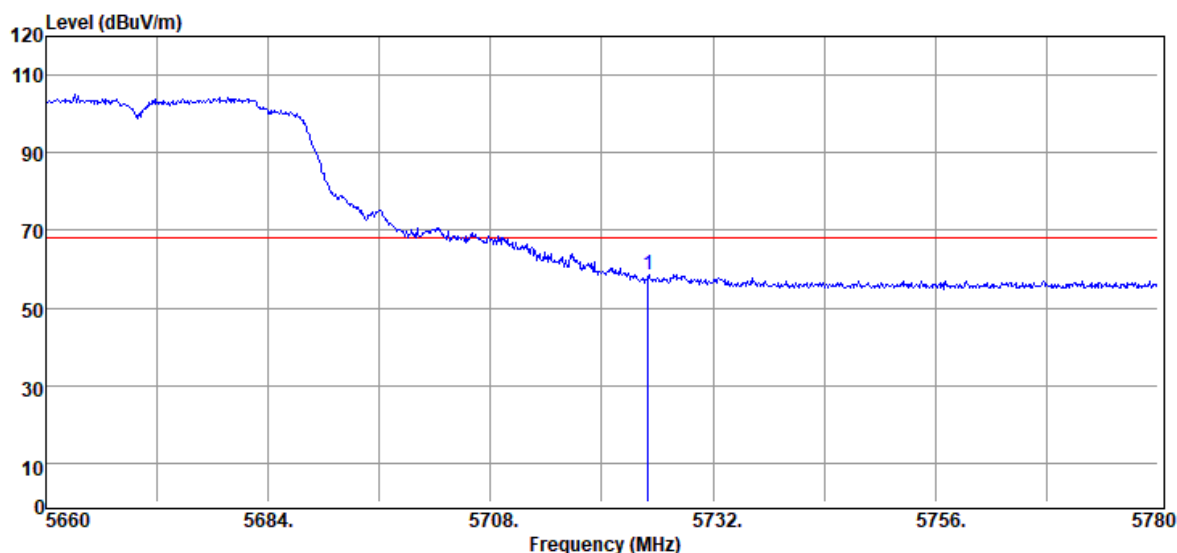
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Report Number :E2/2019/C0053
Operation Mode :802.11n40 / Band 3
Test Channel :5670 MHz
Test Mode :BE CH HIGH
EUT Pol :H Plan

Test Date :2020-01-10
Temp./Humi. :22.6/59
Antenna Pol. :HORIZONTAL
Engineer :Ashton



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	43.15	15.34	58.49	68.20	-9.71

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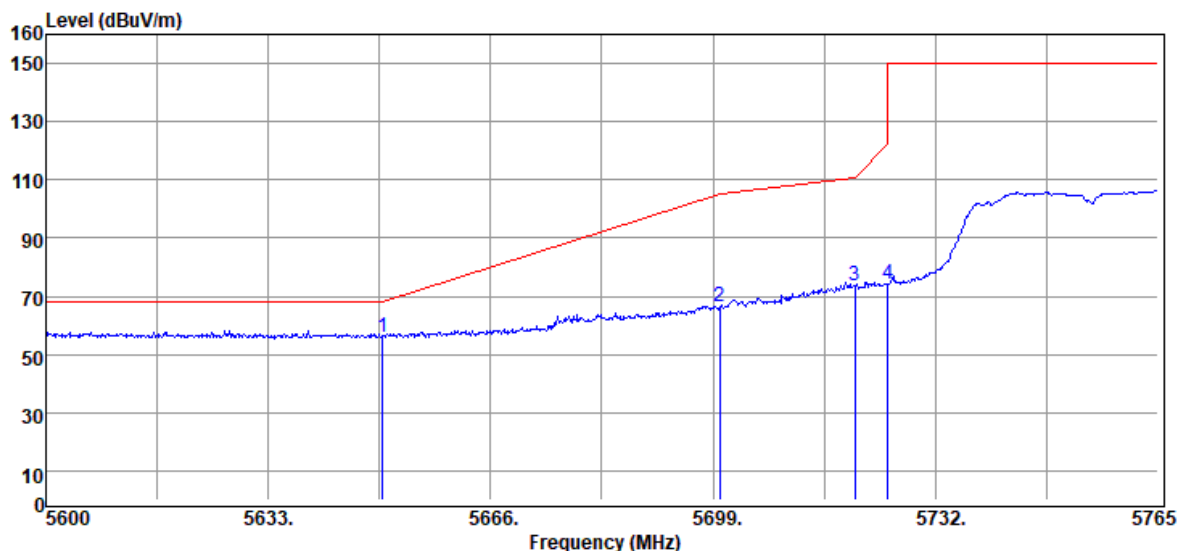
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Member of SGS Group

Report Number :E2/2019/C0053
 Operation Mode :802.11n40 / Band 4
 Test Channel :5755 MHz
 Test Mode :BE CH LOW
 EUT Pol :H Plan

Test Date :2020-01-10
 Temp./Humi. :22.6/59
 Antenna Pol. :VERTICAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.00	Peak	41.24	14.88	56.12	68.20	-12.08
5700.00	Peak	51.07	15.13	66.20	105.20	-39.00
5720.00	Peak	58.58	15.29	73.87	110.80	-36.93
5725.00	Peak	58.70	15.34	74.04	122.20	-48.16

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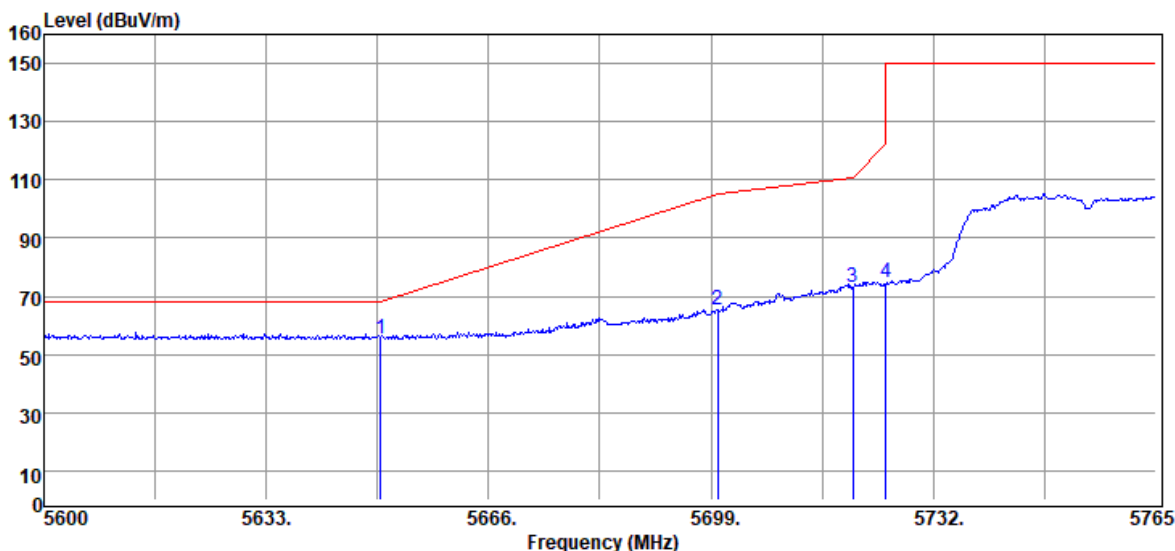
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Report Number :E2/2019/C0053
 Operation Mode :802.11n40 / Band 4
 Test Channel :5755 MHz
 Test Mode :BE CH LOW
 EUT Pol :H Plan

Test Date :2020-01-10
 Temp./Humi. :22.6/59
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.00	Peak	40.60	14.88	55.48	68.20	-12.72
5700.00	Peak	49.93	15.13	65.06	105.20	-40.14
5720.00	Peak	57.80	15.29	73.09	110.80	-37.71
5725.00	Peak	59.24	15.34	74.58	122.20	-47.62

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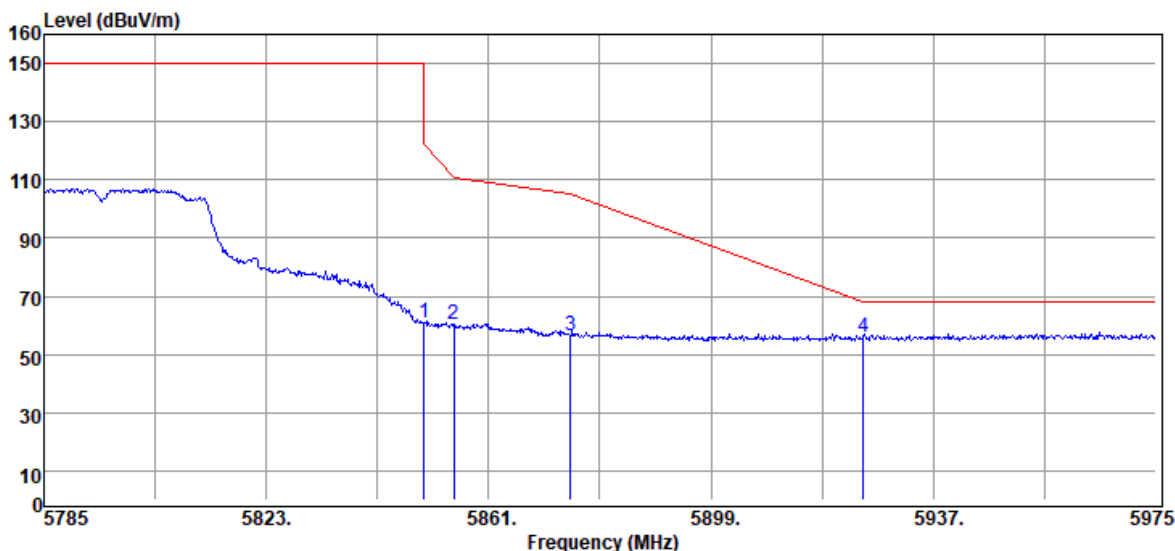
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Report Number :E2/2019/C0053
Operation Mode :802.11n40 / Band 4
Test Channel :5795 MHz
Test Mode :BE CH HIGH
EUT Pol :H Plan

Test Date :2020-01-10
Temp./Humi. :22.6/59
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.00	Peak	45.26	15.85	61.11	122.20	-61.09
5855.00	Peak	44.53	15.84	60.37	110.80	-50.43
5875.00	Peak	40.46	15.77	56.23	105.20	-48.97
5925.00	Peak	39.72	15.99	55.71	68.20	-12.49

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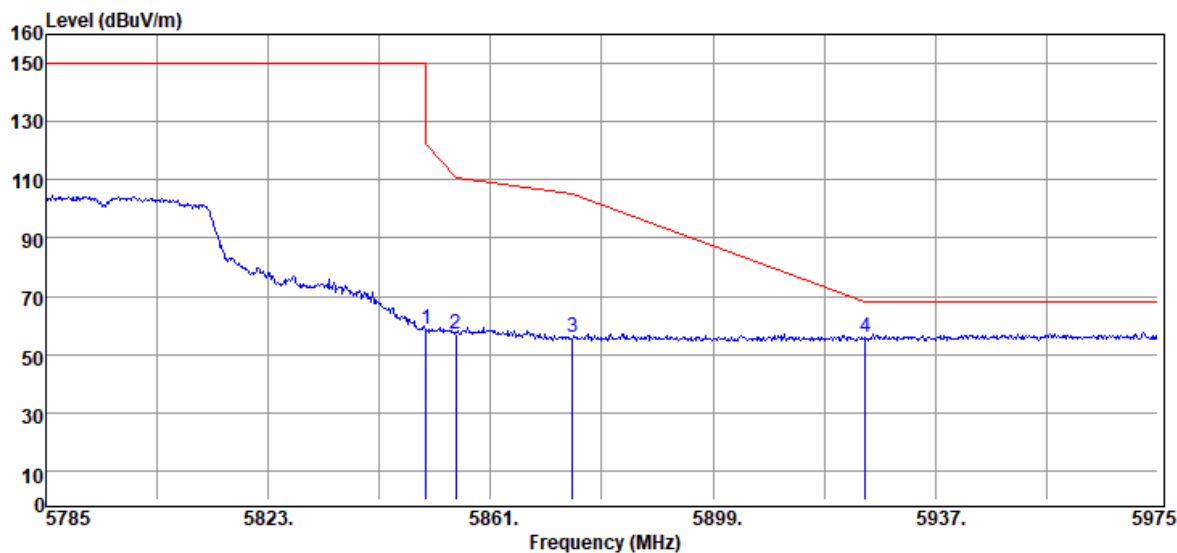
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Report Number :E2/2019/C0053
Operation Mode :802.11n40 / Band 4
Test Channel :5795 MHz
Test Mode :BE CH HIGH
EUT Pol :H Plan

Test Date :2020-01-10
Temp./Humi. :22.6/59
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.00	Peak	42.56	15.85	58.41	122.20	-63.79
5855.00	Peak	41.21	15.84	57.05	110.80	-53.75
5875.00	Peak	40.39	15.77	56.16	105.20	-49.04
5925.00	Peak	39.72	15.99	55.71	68.20	-12.49

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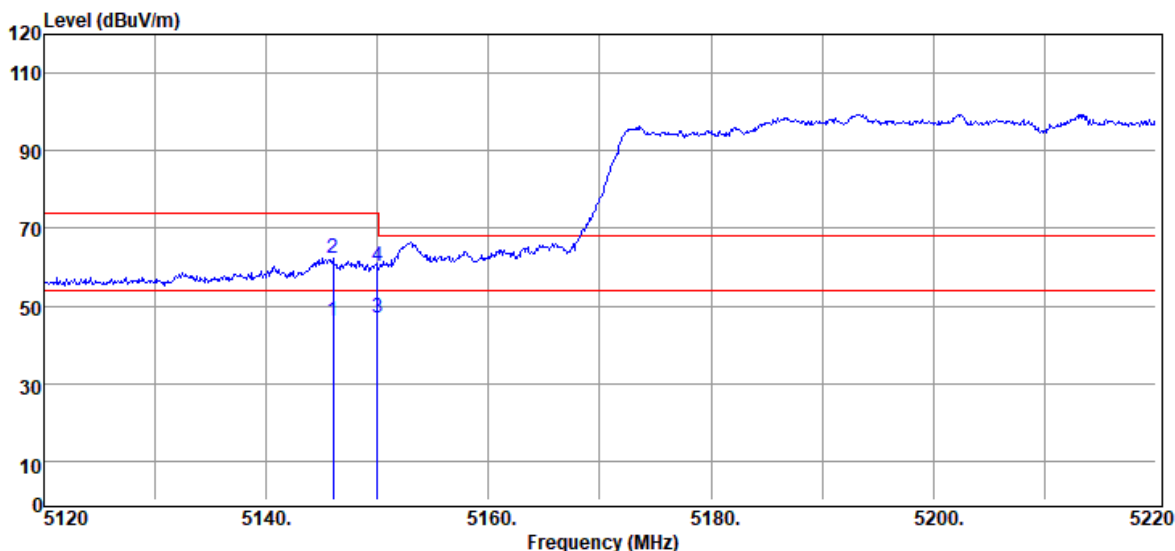
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Report Number :E2/2019/C0053
 Operation Mode :802.11ac80 / Band 1
 Test Channel :5210 MHz
 Test Mode :BE CH LOW
 EUT Pol :H Plan

Test Date :2020-01-11
 Temp./Humi. :22.0/63
 Antenna Pol. :VERTICAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5146.00	Average	31.33	14.92	46.25	54.00	-7.75
5146.00	Peak	47.34	14.92	62.26	74.00	-11.74
5150.00	Average	32.01	14.95	46.96	54.00	-7.04
5150.00	Peak	45.32	14.95	60.27	74.00	-13.73

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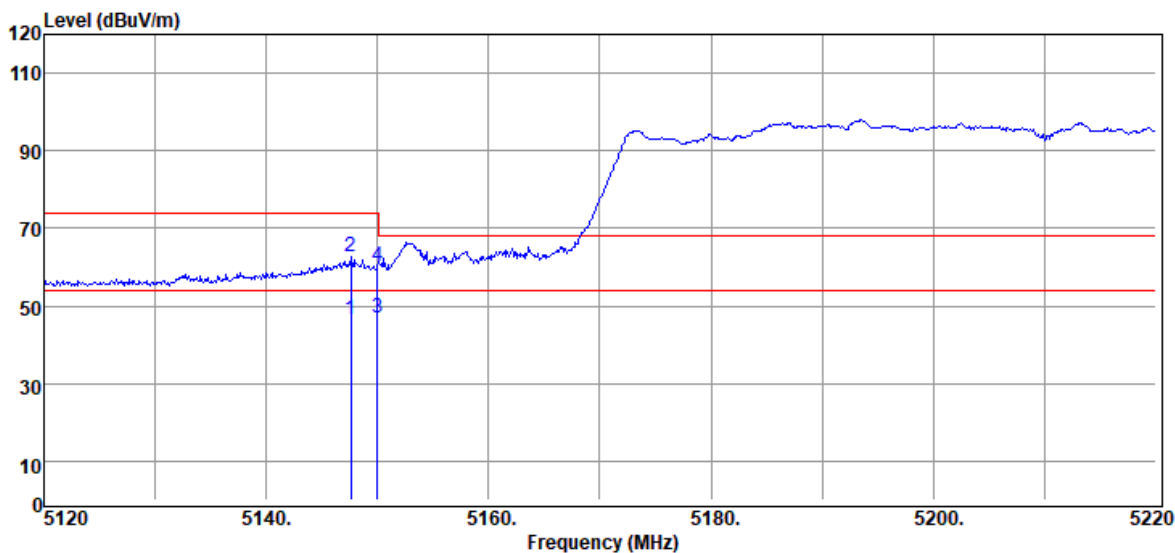
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Report Number :E2/2019/C0053
Operation Mode :802.11ac80 / Band 1
Test Channel :5210 MHz
Test Mode :BE CH LOW
EUT Pol :H Plan

Test Date :2020-01-11
Temp./Humi. :22.0/63
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5147.60	Average	31.58	14.94	46.52	54.00	-7.48
5147.60	Peak	47.80	14.94	62.74	74.00	-11.26
5150.00	Average	31.93	14.95	46.88	54.00	-7.12
5150.00	Peak	45.10	14.95	60.05	74.00	-13.95

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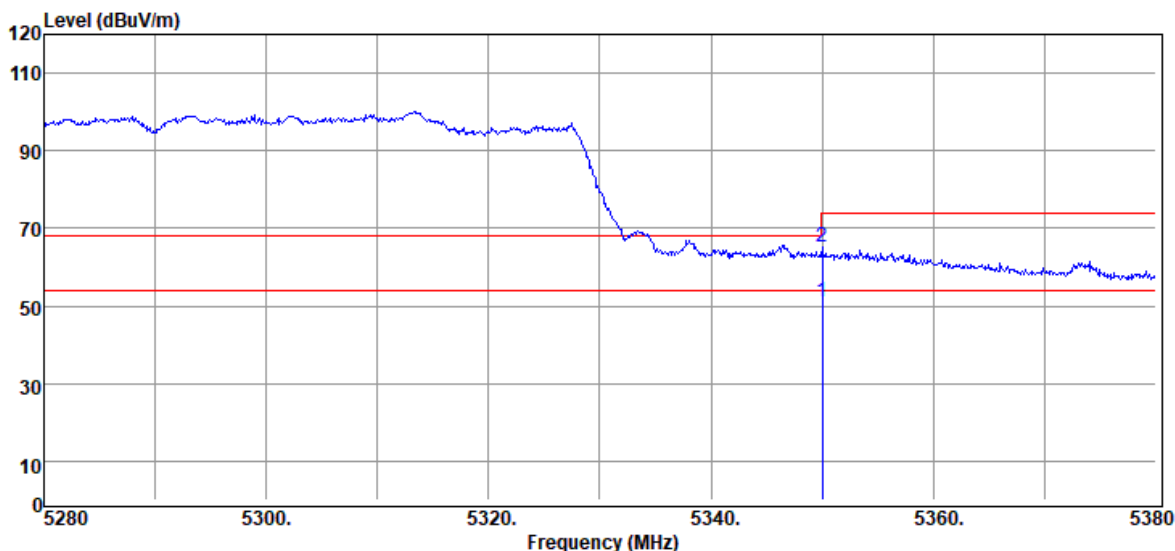
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Report Number :E2/2019/C0053
 Operation Mode :802.11ac80 / Band 2
 Test Channel :5290 MHz
 Test Mode :BE CH HIGH
 EUT Pol :H Plan

Test Date :2020-01-11
 Temp./Humi. :22.4/62
 Antenna Pol. :VERTICAL
 Engineer :Ashton



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	36.35	14.57	50.92	54.00	-3.08
5350.00	Peak	50.50	14.57	65.07	74.00	-8.93

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Report Number :E2/2019/C0053

Operation Mode :802.11ac80 / Band 2

Test Channel :5290 MHz

Test Mode :BE CH HIGH

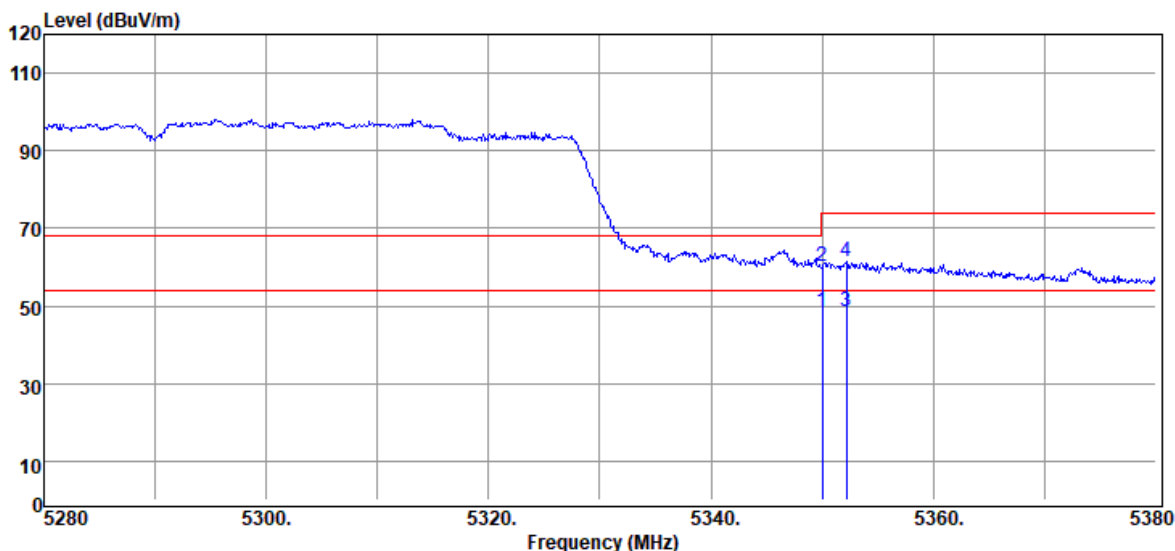
EUT Pol :H Plan

Test Date :2020-01-11

Temp./Humi. :22.4/62

Antenna Pol. :HORIZONTAL

Engineer :Ashton



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	33.83	14.57	48.40	54.00	-5.60
5350.00	Peak	45.69	14.57	60.26	74.00	-13.74
5352.20	Average	33.87	14.59	48.46	54.00	-5.54
5352.20	Peak	46.67	14.59	61.26	74.00	-12.74

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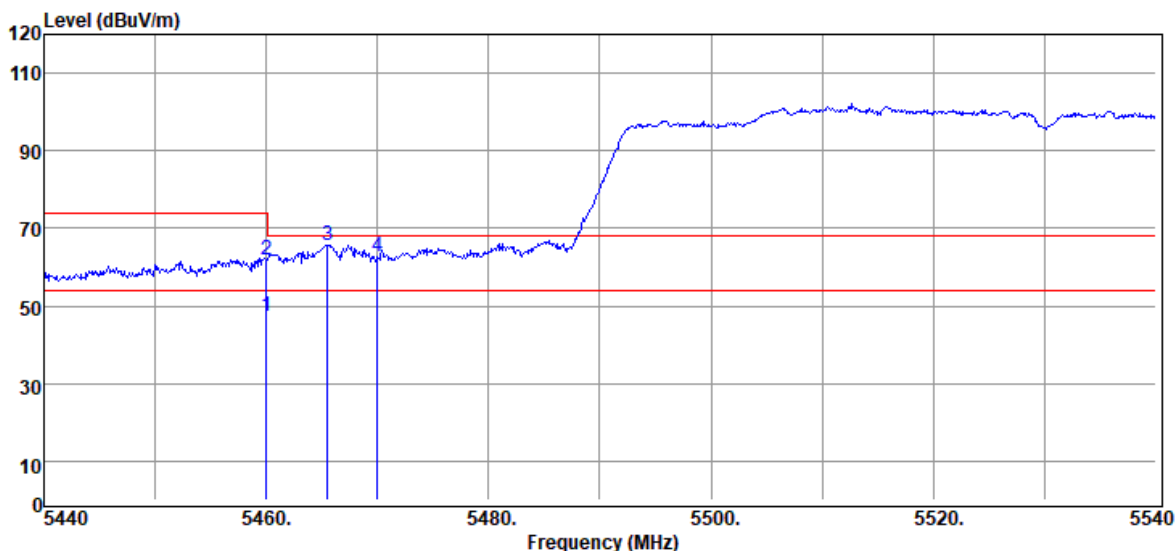
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Report Number :E2/2019/C0053
Operation Mode :802.11ac80 / Band 3
Test Channel :5530 MHz
Test Mode :BE CH LOW
EUT Pol :H Plan

Test Date :2020-01-11
Temp./Humi. :22.4/62
Antenna Pol. :VERTICAL
Engineer :Ashton



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	32.13	15.01	47.14	54.00	-6.86
5460.00	Peak	46.90	15.01	61.91	74.00	-12.09
5465.50	Peak	50.65	15.02	65.67	68.20	-2.53
5470.00	Peak	47.88	15.02	62.90	68.20	-5.30

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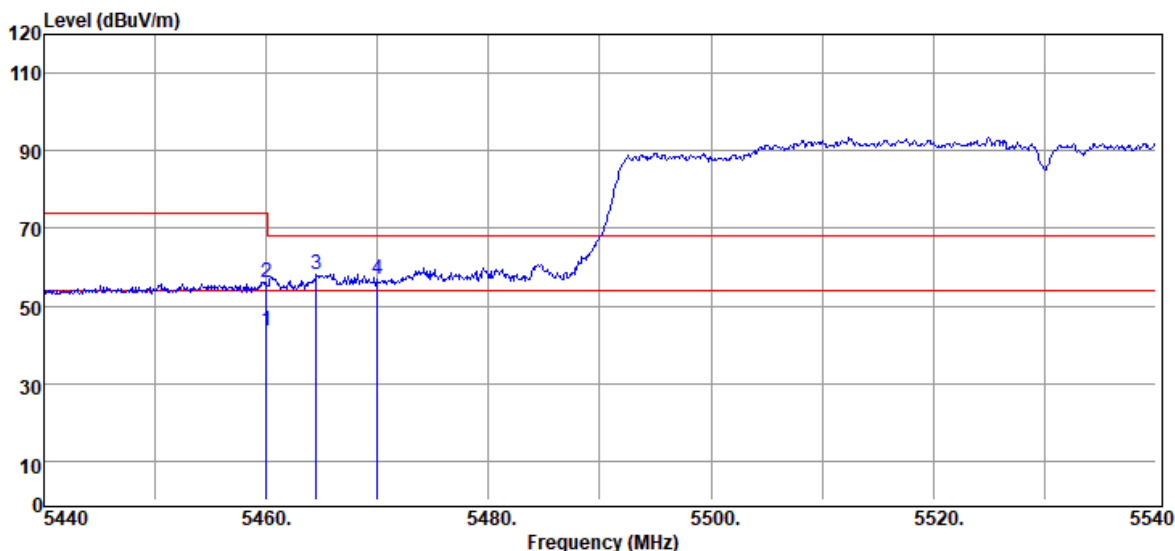
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Report Number :E2/2019/C0053
Operation Mode :802.11ac80 / Band 3
Test Channel :5530 MHz
Test Mode :BE CH LOW
EUT Pol :H Plan

Test Date :2020-01-11
Temp./Humi. :22.4/62
Antenna Pol. :HORIZONTAL
Engineer :Ashton



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	28.66	15.01	43.67	54.00	-10.33
5460.00	Peak	41.02	15.01	56.03	74.00	-17.97
5464.50	Peak	43.17	15.02	58.19	68.20	-10.01
5470.00	Peak	41.77	15.02	56.79	68.20	-11.41

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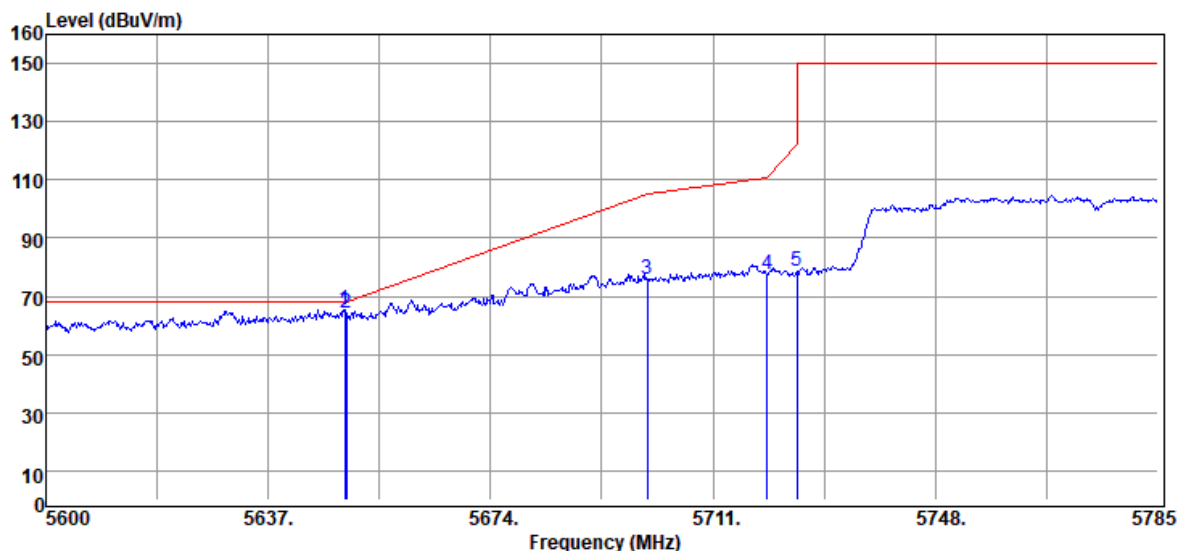
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Report Number :E2/2019/C0053
Operation Mode :802.11ac80 / Band 4
Test Channel :5775 MHz
Test Mode :BE CH LOW
EUT Pol :H Plan

Test Date :2020-01-11
Temp./Humi. :22.4/62
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5649.77	Peak	50.41	14.87	65.28	68.20	-2.92
5650.00	Peak	49.43	14.88	64.31	68.20	-3.89
5700.00	Peak	60.45	15.13	75.58	105.20	-29.62
5720.00	Peak	62.02	15.29	77.31	110.80	-33.49
5725.00	Peak	63.01	15.34	78.35	122.20	-43.85

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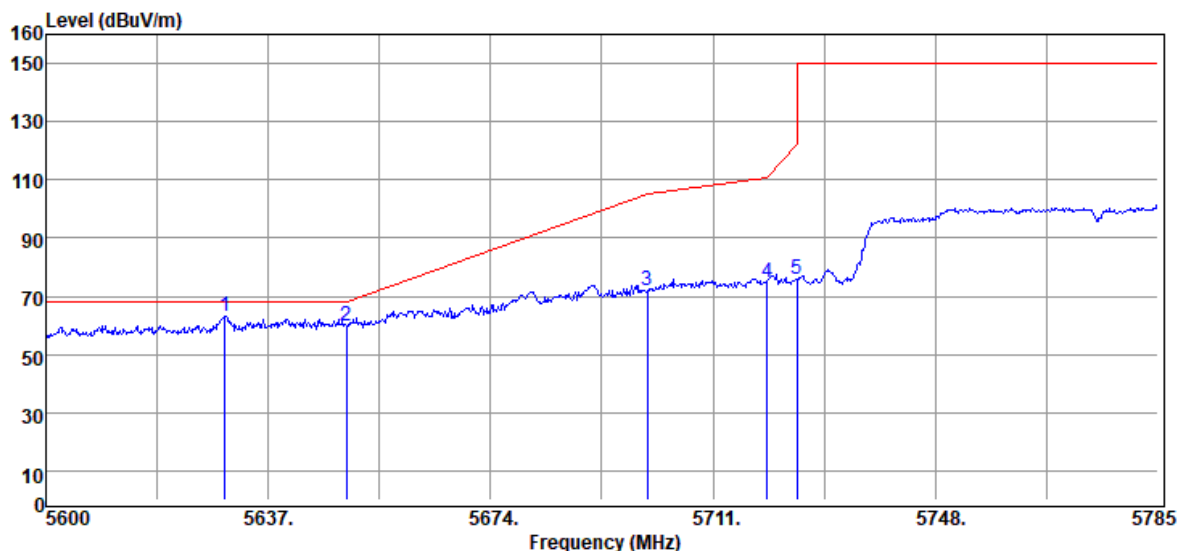
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Member of SGS Group

Report Number :E2/2019/C0053
 Operation Mode :802.11ac80 / Band 4
 Test Channel :5775 MHz
 Test Mode :BE CH LOW
 EUT Pol :H Plan

Test Date :2020-01-11
 Temp./Humi. :22.4/62
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5629.79	Peak	48.32	14.89	63.21	68.20	-4.99
5650.00	Peak	44.89	14.88	59.77	68.20	-8.43
5700.00	Peak	56.68	15.13	71.81	105.20	-33.39
5720.00	Peak	59.54	15.29	74.83	110.80	-35.97
5725.00	Peak	60.38	15.34	75.72	122.20	-46.48

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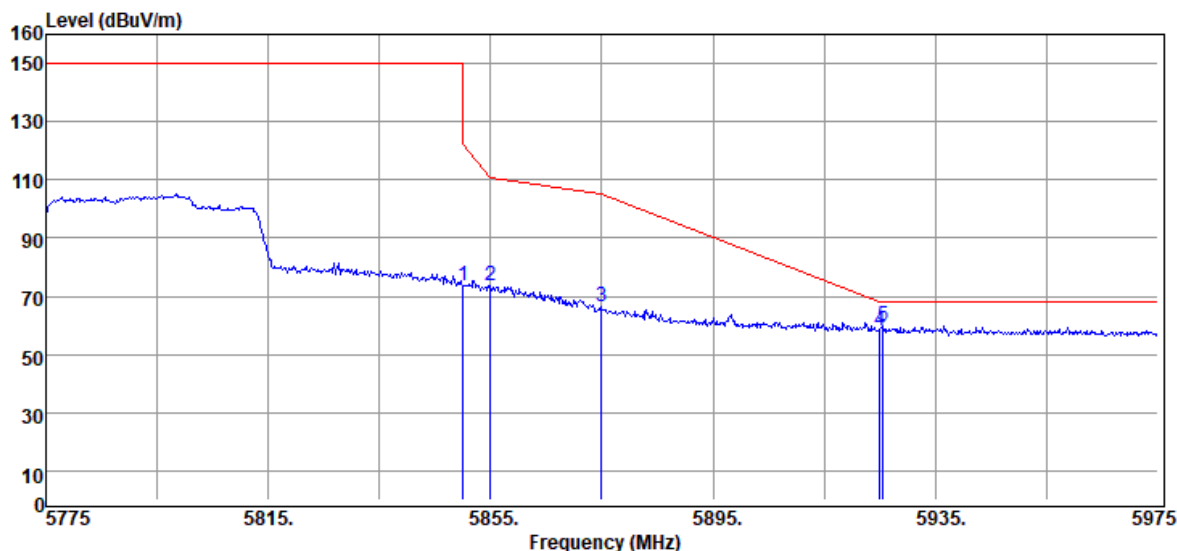
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Report Number :E2/2019/C0053
 Operation Mode :802.11ac80 / Band 4
 Test Channel :5775 MHz
 Test Mode :BE CH HIGH
 EUT Pol :H Plan

Test Date :2020-01-11
 Temp./Humi. :22.4/62
 Antenna Pol. :VERTICAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.00	Peak	57.98	15.85	73.83	122.20	-48.37
5855.00	Peak	57.74	15.84	73.58	110.80	-37.22
5875.00	Peak	50.41	15.77	66.18	105.20	-39.02
5925.00	Peak	42.18	15.99	58.17	68.20	-10.03
5925.60	Peak	43.77	15.99	59.76	68.20	-8.44

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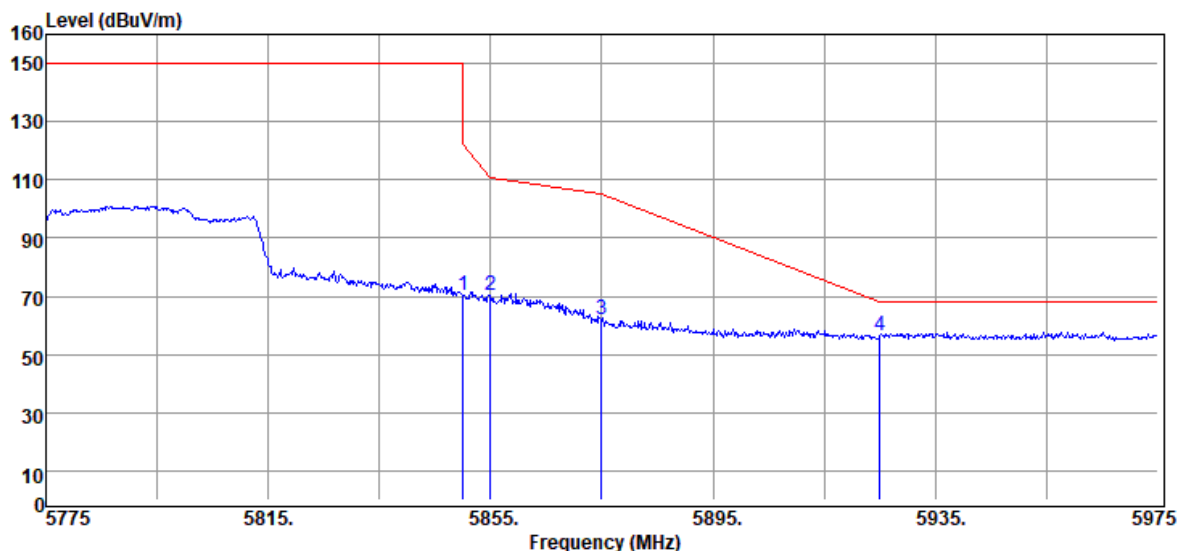
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Report Number :E2/2019/C0053
 Operation Mode :802.11ac80 / Band 4
 Test Channel :5775 MHz
 Test Mode :BE CH HIGH
 EUT Pol :H Plan

Test Date :2020-01-11
 Temp./Humi. :22.4/62
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.00	Peak	54.48	15.85	70.33	122.20	-51.87
5855.00	Peak	54.23	15.84	70.07	110.80	-40.73
5875.00	Peak	46.37	15.77	62.14	105.20	-43.06
5925.00	Peak	40.51	15.99	56.50	68.20	-11.70

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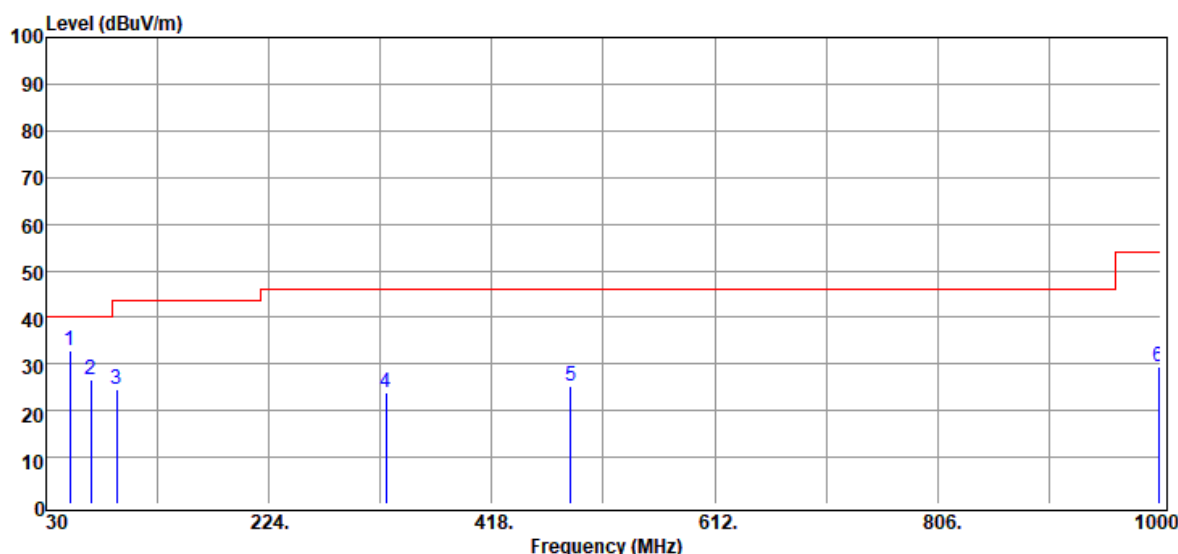
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7.8 Radiated Spurious Emission from 30MHz to 1000MHz

Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 1
Test Frequency :5220 MHz
Test Mode :TX CH MID
EUT Pol :H Plan

Test Date :2020-03-31
Temp./Humi. :24.2/59
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
50.37	Peak	49.44	-16.61	32.83	40.00	-7.17
68.80	Peak	45.43	-18.95	26.48	40.00	-13.52
91.11	Peak	41.63	-17.22	24.41	43.50	-19.09
325.85	Peak	33.40	-9.50	23.90	46.00	-22.10
486.87	Peak	30.17	-5.03	25.14	46.00	-20.86
998.06	Peak	27.63	1.81	29.44	54.00	-24.56

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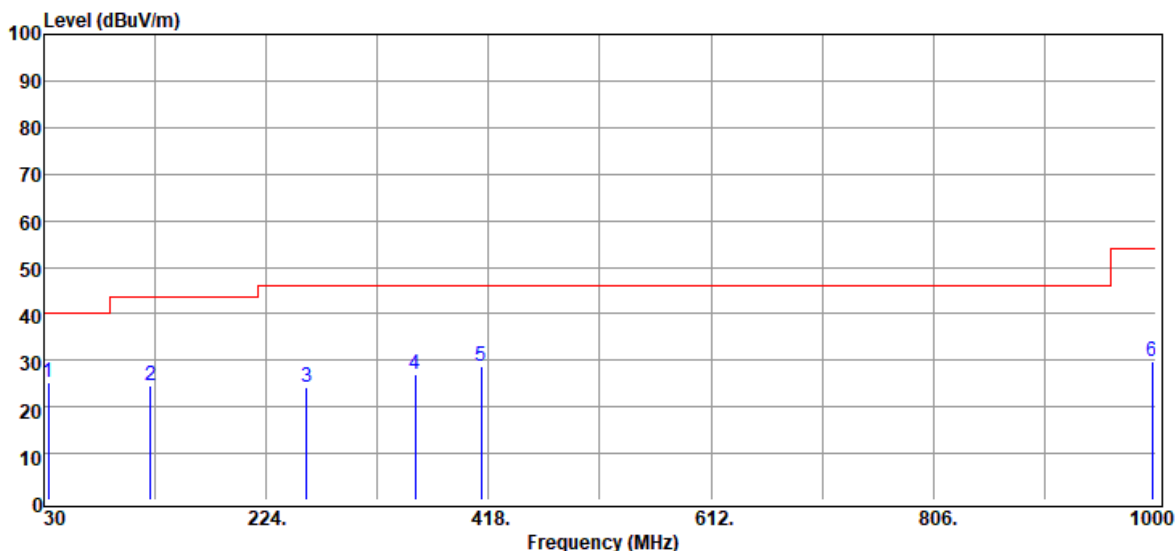
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Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 1
Test Frequency :5220 MHz
Test Mode :TX CH MID
EUT Pol :H Plan

Test Date :2020-03-31
Temp./Humi. :24.2/59
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
33.88	Peak	30.54	-5.12	25.42	40.00	-14.58
123.12	Peak	37.25	-12.84	24.41	43.50	-19.09
258.92	Peak	34.79	-10.49	24.30	46.00	-21.70
353.98	Peak	36.00	-9.05	26.95	46.00	-19.05
411.21	Peak	35.52	-6.72	28.80	46.00	-17.20
997.09	Peak	28.14	1.77	29.91	54.00	-24.09

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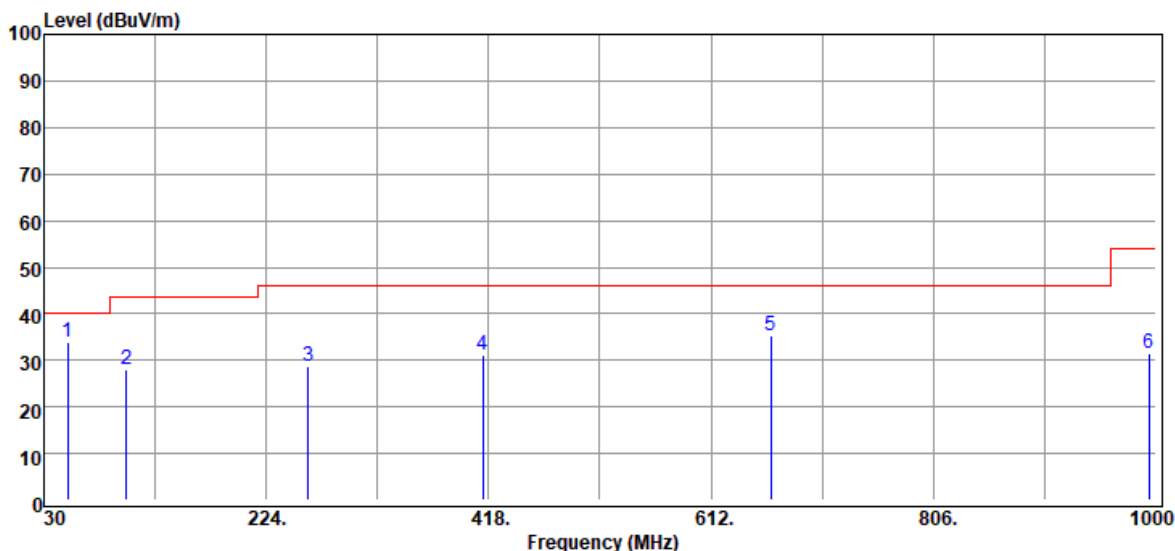
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Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 2
Test Frequency :5300 MHz
Test Mode :TX CH MID
EUT Pol :H Plan

Test Date :2020-03-31
Temp./Humi. :24.2/59
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
50.37	Peak	50.67	-16.61	34.06	40.00	-5.94
101.78	Peak	43.41	-15.21	28.20	43.50	-15.30
260.86	Peak	39.17	-10.45	28.72	46.00	-17.28
413.15	Peak	37.57	-6.58	30.99	46.00	-15.01
664.38	Peak	37.13	-1.94	35.19	46.00	-10.81
994.18	Peak	29.93	1.69	31.62	54.00	-22.38

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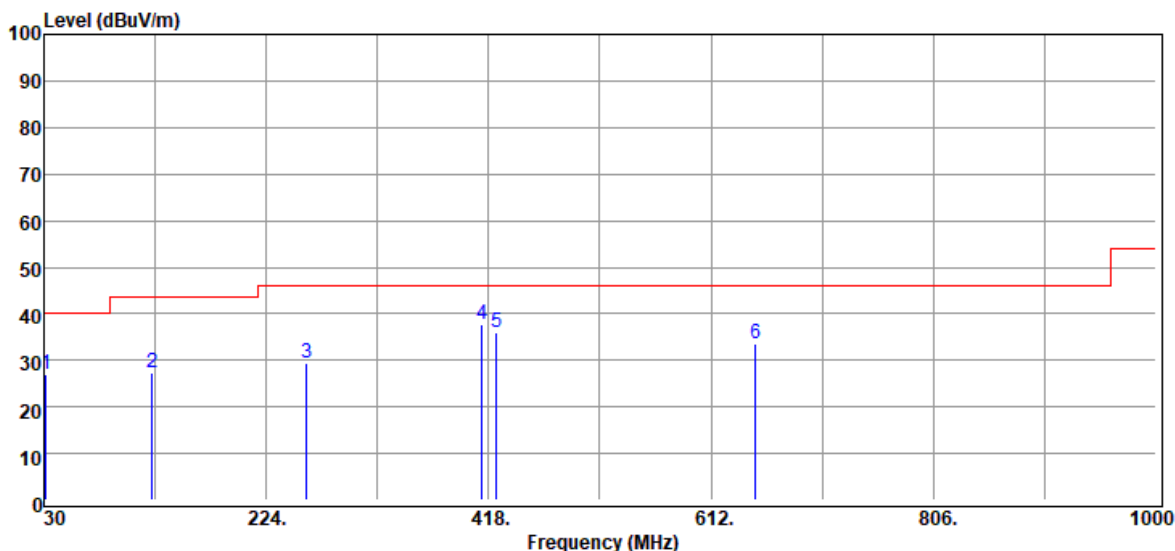
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Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 2
Test Frequency :5300 MHz
Test Mode :TX CH MID
EUT Pol :H Plan

Test Date :2020-03-31
Temp./Humi. :24.2/59
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
31.94	Peak	31.30	-4.26	27.04	40.00	-12.96
124.09	Peak	40.29	-12.85	27.44	43.50	-16.06
258.92	Peak	39.99	-10.49	29.50	46.00	-16.50
412.18	Peak	44.45	-6.65	37.80	46.00	-8.20
424.79	Peak	42.24	-6.20	36.04	46.00	-9.96
650.80	Peak	35.65	-2.13	33.52	46.00	-12.48

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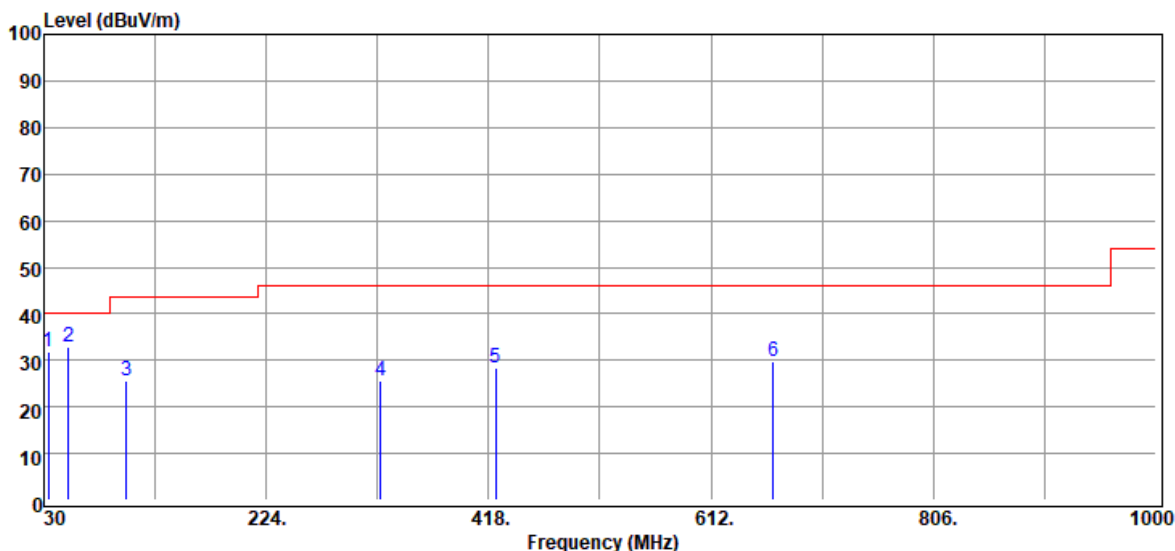
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Report Number :E2/2019/C0053
 Operation Mode :802.11a / Band 3
 Test Frequency :5580 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plan

Test Date :2020-03-31
 Temp./Humi. :23.9/63
 Antenna Pol. :VERTICAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
33.88	Peak	37.12	-5.12	32.00	40.00	-8.00
51.34	Peak	50.25	-17.43	32.82	40.00	-7.18
101.78	Peak	40.78	-15.21	25.57	43.50	-17.93
323.91	Peak	35.20	-9.56	25.64	46.00	-20.36
423.82	Peak	34.72	-6.22	28.50	46.00	-17.50
666.32	Peak	31.71	-1.85	29.86	46.00	-16.14

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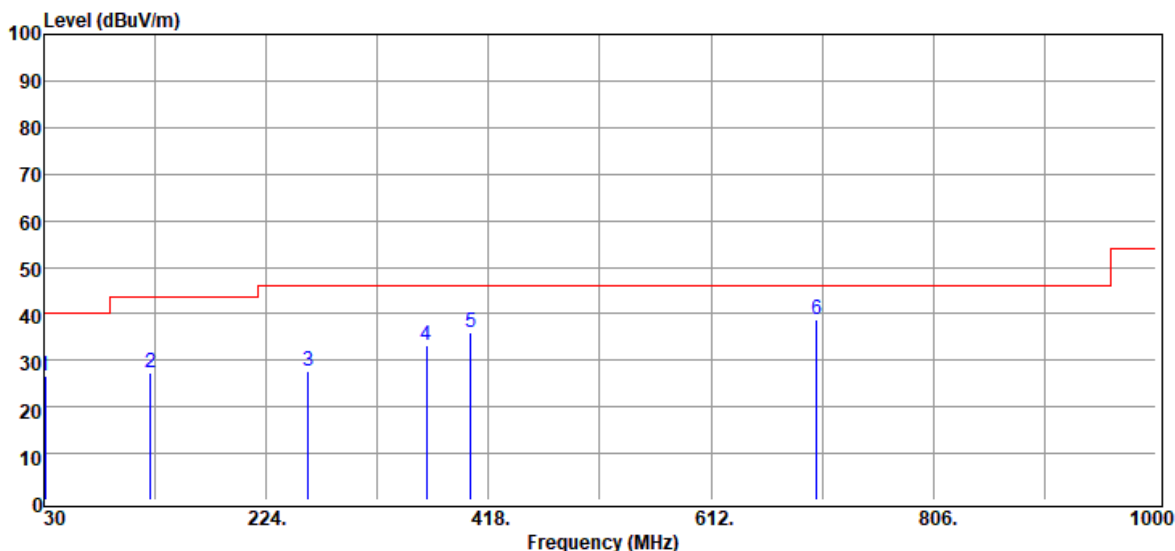
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Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 3
Test Frequency :5580 MHz
Test Mode :TX CH MID
EUT Pol :H Plan

Test Date :2020-03-31
Temp./Humi. :23.9/63
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
30.97	Peak	30.61	-3.89	26.72	40.00	-13.28
123.12	Peak	40.07	-12.84	27.23	43.50	-16.27
260.86	Peak	38.03	-10.45	27.58	46.00	-18.42
363.68	Peak	42.15	-8.78	33.37	46.00	-12.63
402.48	Peak	43.21	-7.34	35.87	46.00	-10.13
704.15	Peak	41.60	-2.75	38.85	46.00	-7.15

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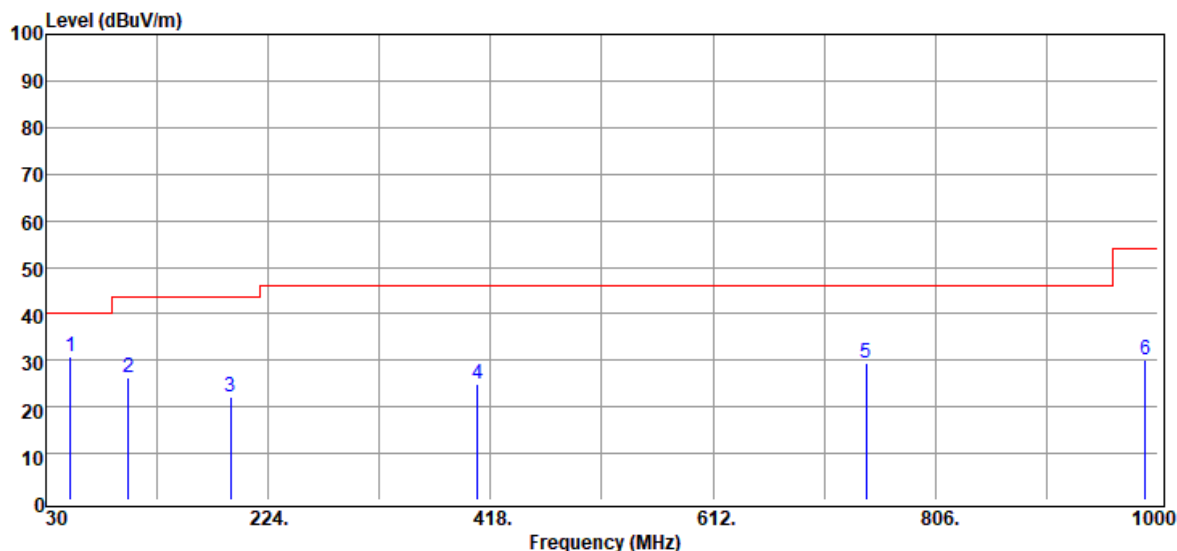
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Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 4
Test Frequency :5785 MHz
Test Mode :TX CH MID
EUT Pol :H Plan

Test Date :2020-03-31
Temp./Humi. :23.9/63
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
51.34	Peak	48.24	-17.43	30.81	40.00	-9.19
101.78	Peak	41.43	-15.21	26.22	43.50	-17.28
191.02	Peak	37.94	-15.84	22.10	43.50	-21.40
406.36	Peak	31.83	-7.07	24.76	46.00	-21.24
745.86	Peak	30.93	-1.65	29.28	46.00	-16.72
989.33	Peak	28.37	1.75	30.12	54.00	-23.88

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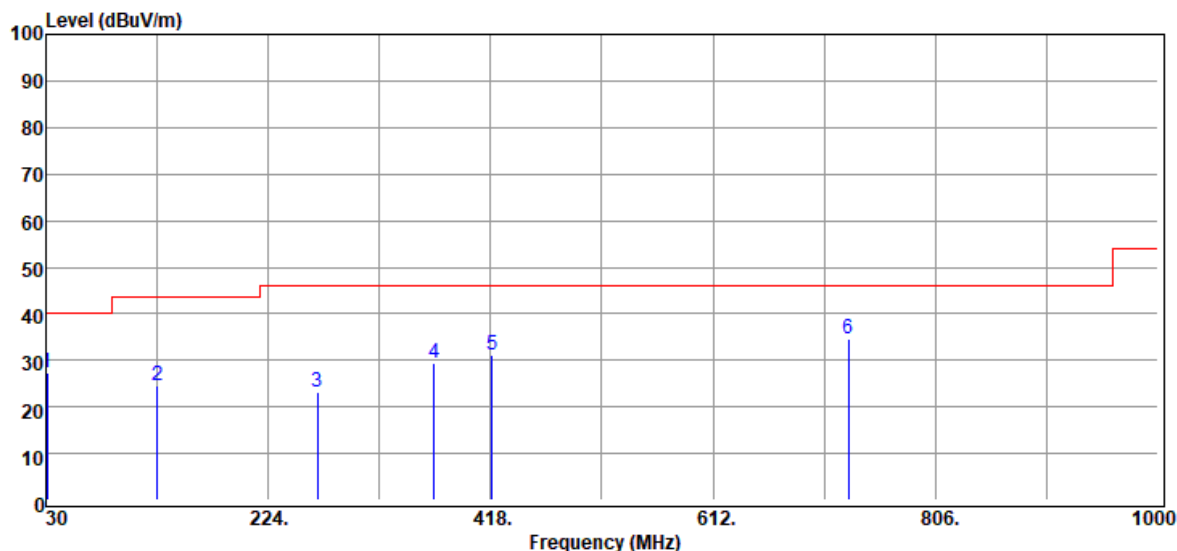
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Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 4
Test Frequency :5785 MHz
Test Mode :TX CH MID
EUT Pol :H Plan

Test Date :2020-03-31
Temp./Humi. :23.9/63
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
30.97	Peak	31.24	-3.89	27.35	40.00	-12.65
127.00	Peak	37.49	-12.79	24.70	43.50	-18.80
266.68	Peak	34.13	-10.89	23.24	46.00	-22.76
368.53	Peak	38.09	-8.55	29.54	46.00	-16.46
418.97	Peak	37.65	-6.34	31.31	46.00	-14.69
730.34	Peak	36.77	-2.05	34.72	46.00	-11.28

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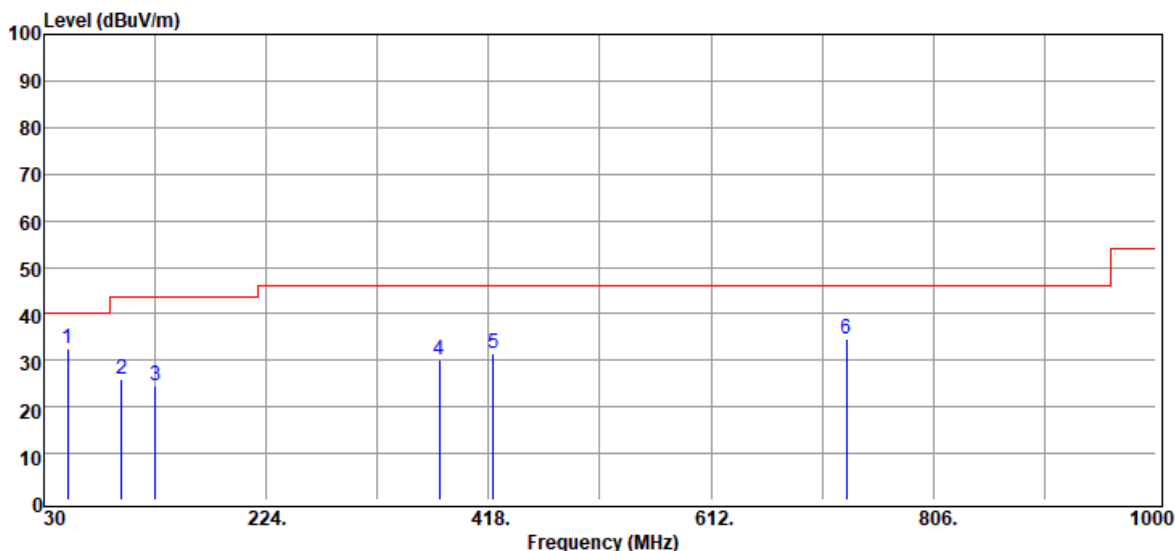
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Report Number :E2/2019/C0053
Operation Mode :802.11ac80 / Band 1
Test Frequency :5210 MHz
Test Mode :TX CH LOW
EUT Pol :H Plan

Test Date :2020-03-31
Temp./Humi. :24.1/62
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
50.37	Peak	49.16	-16.61	32.55	40.00	-7.45
97.90	Peak	42.00	-15.99	26.01	43.50	-17.49
127.00	Peak	37.49	-12.79	24.70	43.50	-18.80
375.32	Peak	38.39	-8.28	30.11	46.00	-15.89
421.88	Peak	37.88	-6.27	31.61	46.00	-14.39
730.34	Peak	36.77	-2.05	34.72	46.00	-11.28

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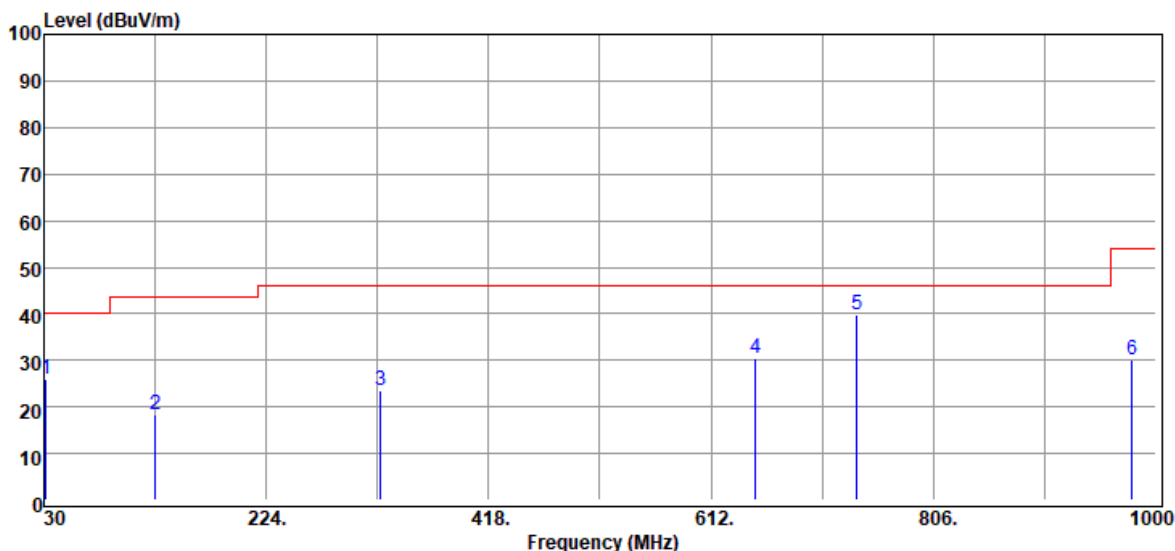
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Report Number :E2/2019/C0053
Operation Mode :802.11ac80 / Band 1
Test Frequency :5210 MHz
Test Mode :TX CH LOW
EUT Pol :H Plan

Test Date :2020-03-31
Temp./Humi. :24.1/62
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
31.94	Peak	30.36	-4.26	26.10	40.00	-13.90
127.00	Peak	31.25	-12.79	18.46	43.50	-25.04
323.91	Peak	33.00	-9.56	23.44	46.00	-22.56
650.80	Peak	32.58	-2.13	30.45	46.00	-15.55
739.07	Peak	41.72	-1.80	39.92	46.00	-6.08
979.63	Peak	28.33	1.86	30.19	54.00	-23.81

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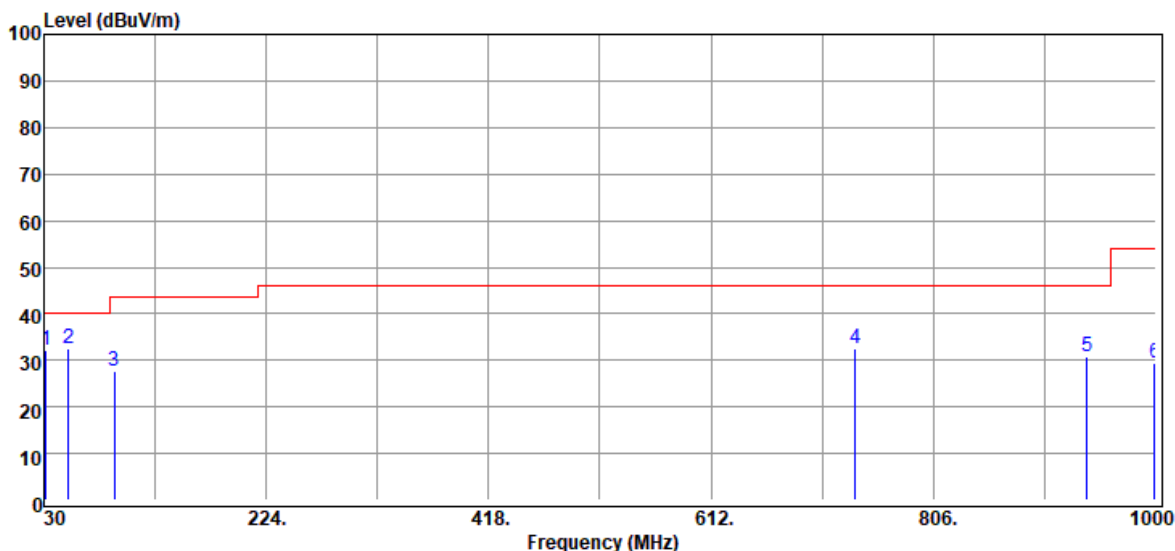
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Report Number :E2/2019/C0053
 Operation Mode :802.11ac80 / Band 2
 Test Frequency :5290 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plan

Test Date :2020-03-31
 Temp./Humi. :23.9/60
 Antenna Pol. :VERTICAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
31.94	Peak	36.47	-4.26	32.21	40.00	-7.79
51.34	Peak	50.05	-17.43	32.62	40.00	-7.38
91.11	Peak	44.93	-17.22	27.71	43.50	-15.79
738.10	Peak	34.47	-1.84	32.63	46.00	-13.37
939.86	Peak	29.34	1.35	30.69	46.00	-15.31
999.03	Peak	27.68	1.86	29.54	54.00	-24.46

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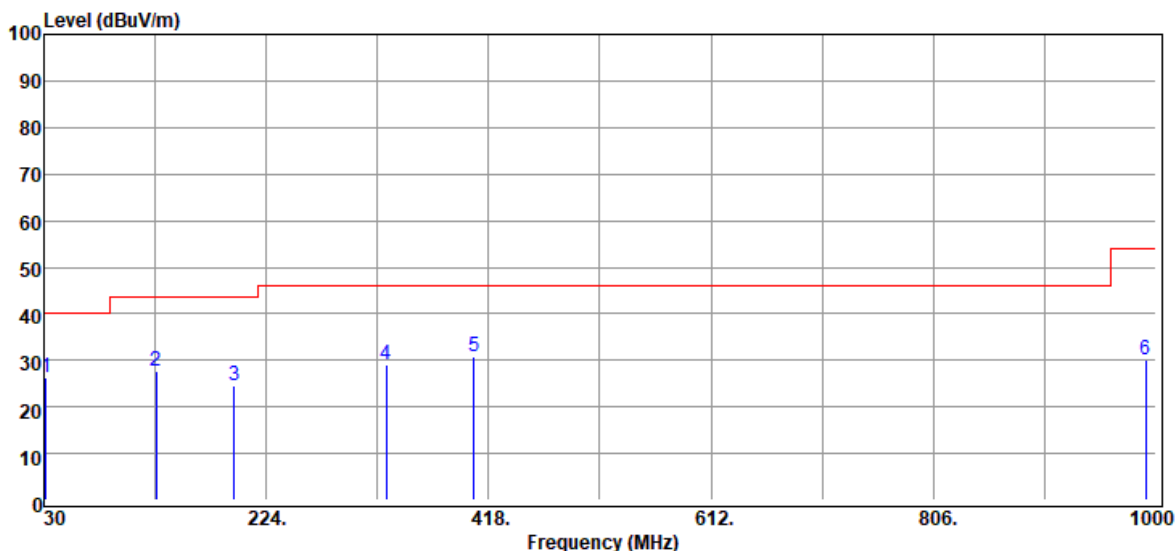
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Report Number :E2/2019/C0053
 Operation Mode :802.11ac80 / Band 2
 Test Frequency :5290 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plan

Test Date :2020-03-31
 Temp./Humi. :23.9/60
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
31.94	Peak	30.49	-4.26	26.23	40.00	-13.77
127.97	Peak	40.33	-12.81	27.52	43.50	-15.98
195.87	Peak	40.21	-15.57	24.64	43.50	-18.86
328.76	Peak	38.65	-9.43	29.22	46.00	-16.78
405.39	Peak	37.87	-7.13	30.74	46.00	-15.26
991.27	Peak	28.47	1.74	30.21	54.00	-23.79

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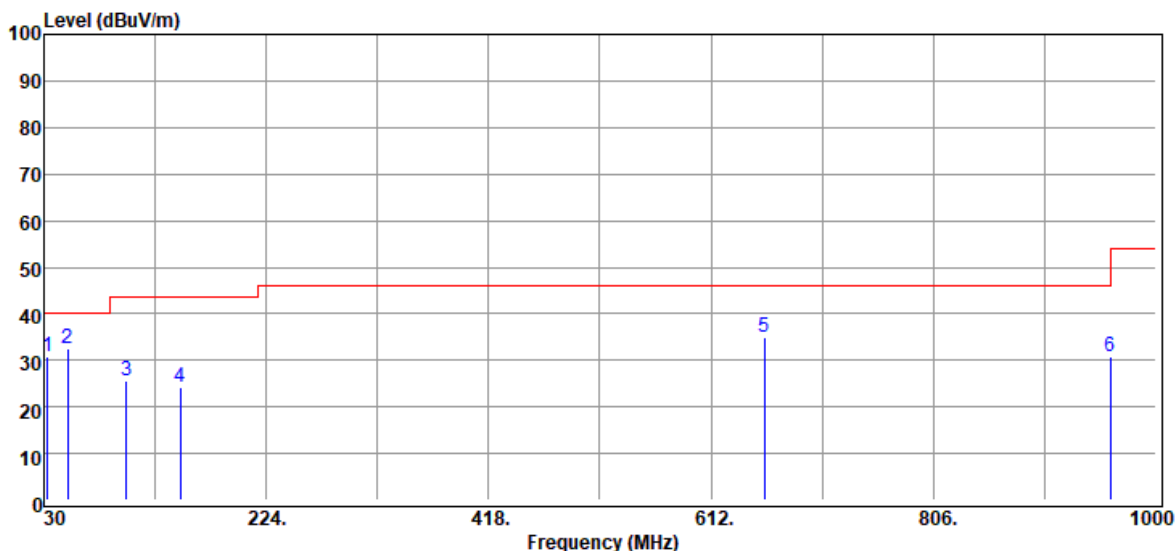
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Report Number :E2/2019/C0053
Operation Mode :802.11ac80 / Band 3
Test Frequency :5610 MHz
Test Mode :TX CH MID
EUT Pol :H Plan

Test Date :2020-03-31
Temp./Humi. :23.8/60
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
32.91	Peak	35.75	-4.98	30.77	40.00	-9.23
50.37	Peak	49.21	-16.61	32.60	40.00	-7.40
101.78	Peak	40.94	-15.21	25.73	43.50	-17.77
149.31	Peak	38.05	-13.87	24.18	43.50	-19.32
658.56	Peak	36.86	-2.01	34.85	46.00	-11.15
960.23	Peak	29.44	1.48	30.92	54.00	-23.08

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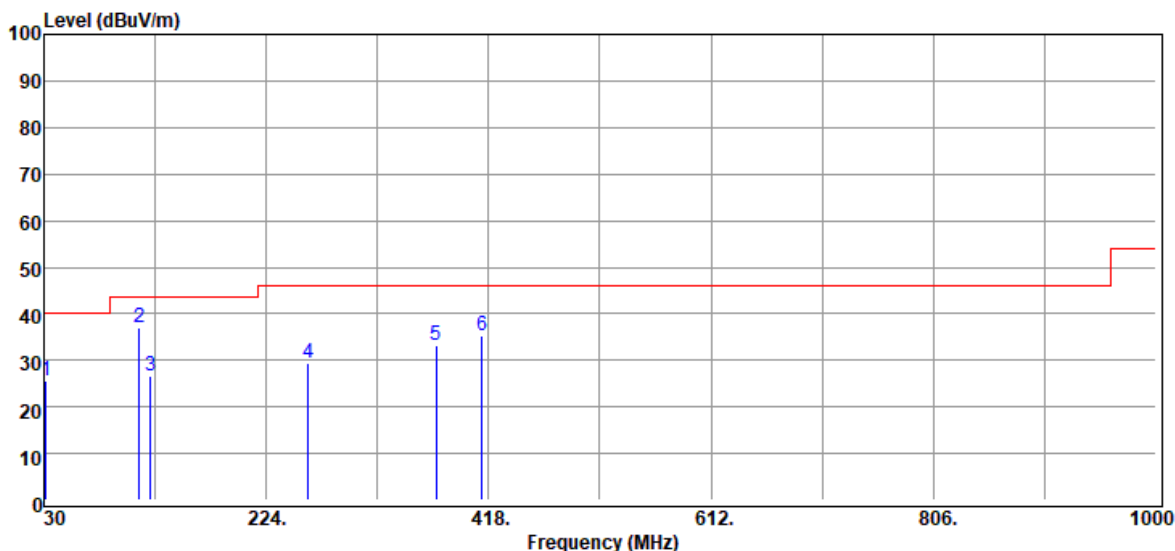
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Report Number :E2/2019/C0053
 Operation Mode :802.11ac80 / Band 3
 Test Frequency :5610 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plan

Test Date :2020-03-31
 Temp./Humi. :23.8/60
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
31.94	Peak	29.99	-4.26	25.73	40.00	-14.27
113.42	Peak	50.56	-13.65	36.91	43.50	-6.59
123.12	Peak	39.45	-12.84	26.61	43.50	-16.89
260.86	Peak	39.80	-10.45	29.35	46.00	-16.65
372.41	Peak	41.57	-8.38	33.19	46.00	-12.81
412.18	Peak	41.93	-6.65	35.28	46.00	-10.72

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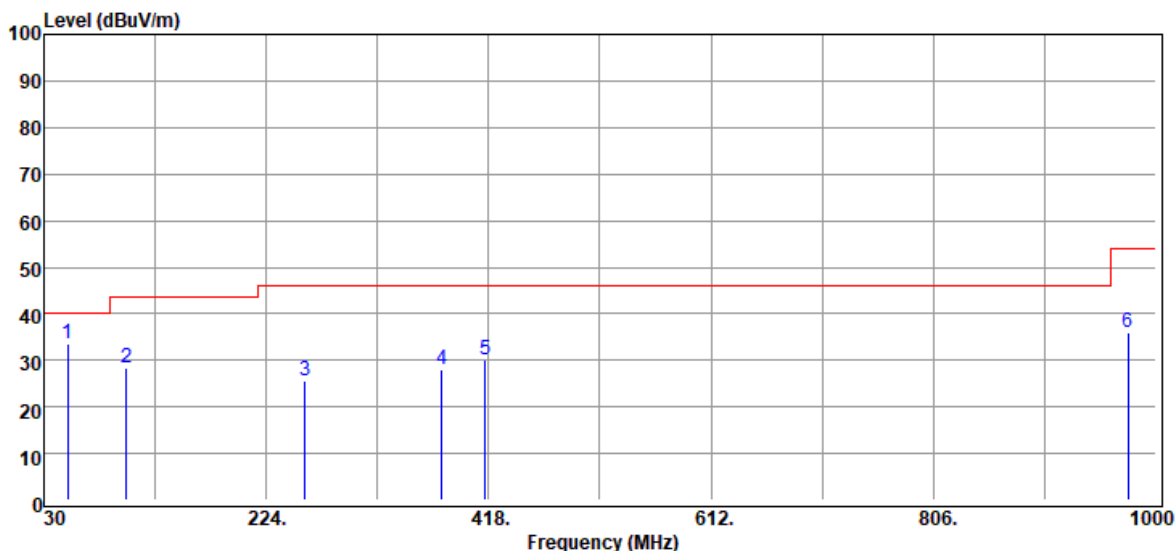
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Report Number :E2/2019/C0053
 Operation Mode :802.11ac80 / Band 4
 Test Frequency :5775 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plan

Test Date :2020-03-31
 Temp./Humi. :23.8/61
 Antenna Pol. :VERTICAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
50.37	Peak	50.10	-16.61	33.49	40.00	-6.51
101.78	Peak	43.59	-15.21	28.38	43.50	-15.12
257.95	Peak	36.27	-10.59	25.68	46.00	-20.32
377.26	Peak	36.21	-8.21	28.00	46.00	-18.00
415.09	Peak	36.45	-6.45	30.00	46.00	-16.00
975.75	Peak	34.27	1.64	35.91	54.00	-18.09

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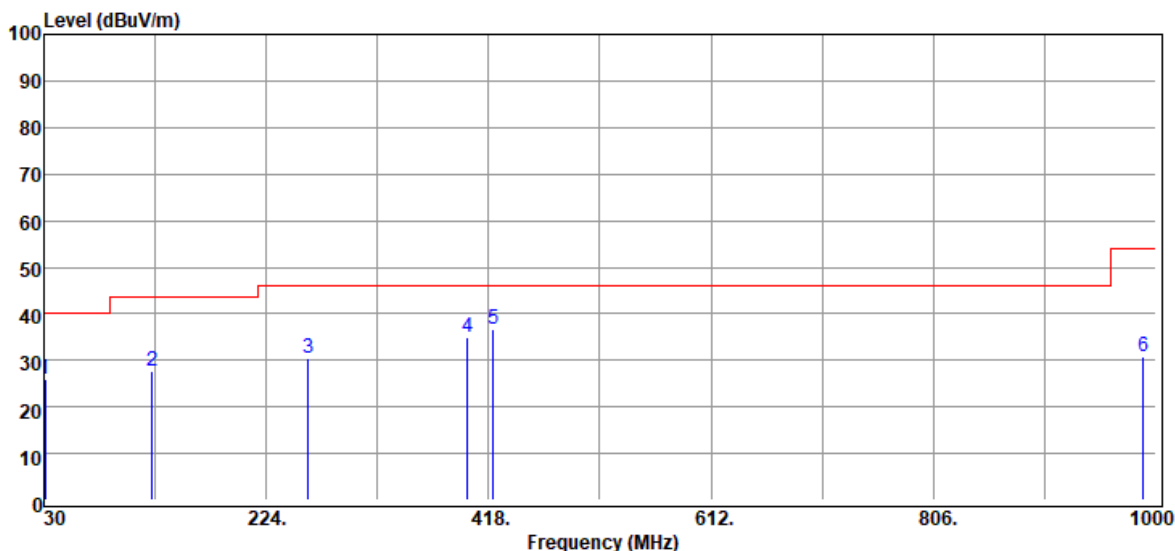
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Report Number :E2/2019/C0053
Operation Mode :802.11ac80 / Band 4
Test Frequency :5775 MHz
Test Mode :TX CH LOW
EUT Pol :H Plan

Test Date :2020-03-31
Temp./Humi. :23.8/61
Antenna Pol. :HORIZONTAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
30.97	Peak	29.78	-3.89	25.89	40.00	-14.11
124.09	Peak	40.58	-12.85	27.73	43.50	-15.77
260.86	Peak	40.75	-10.45	30.30	46.00	-15.70
399.57	Peak	42.53	-7.55	34.98	46.00	-11.02
421.88	Peak	42.88	-6.27	36.61	46.00	-9.39
989.33	Peak	28.95	1.75	30.70	54.00	-23.30

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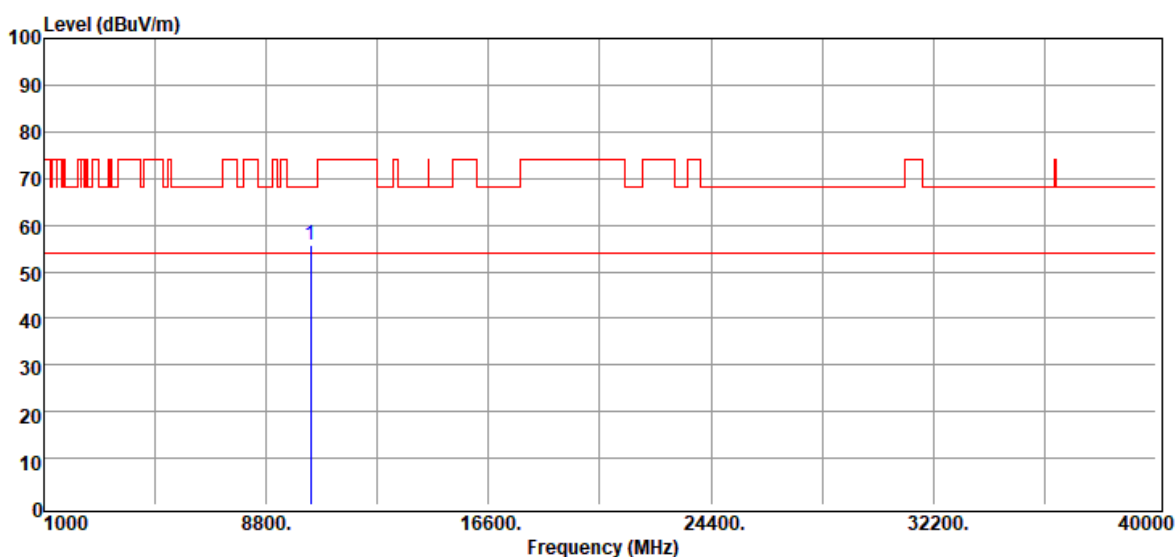
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7.9 Radiated Spurious Emission above 1GHz

Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 1
Test Frequency :5180 MHz
Test Mode :TX CH LOW
EUT Pol :H Plan

Test Date :2020-03-30
Temp./Humi. :25.1/59
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10360.00	Peak	29.53	26.15	55.68	68.20	-12.52

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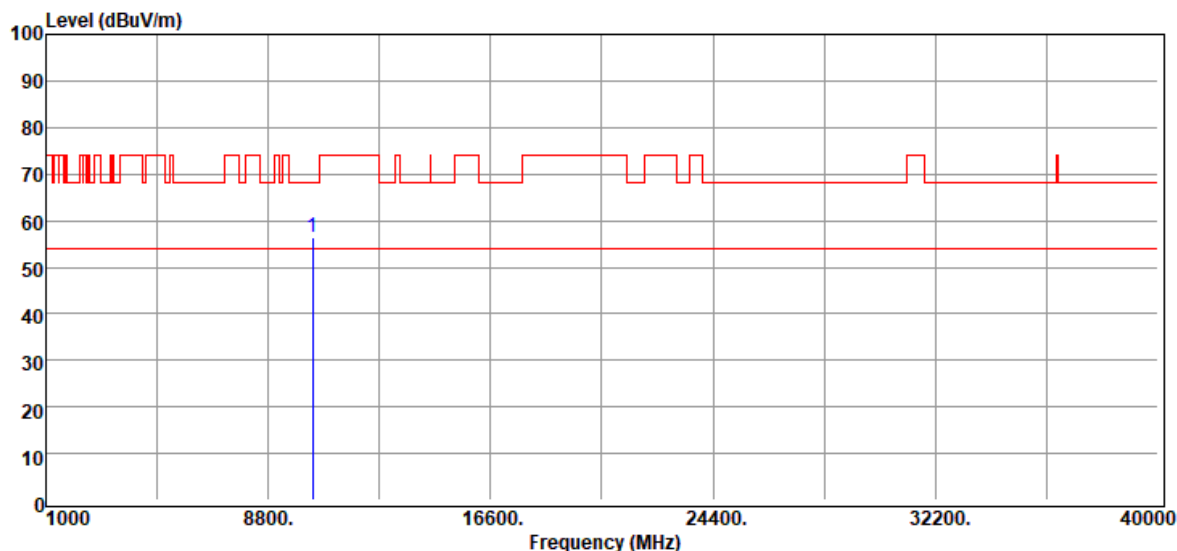
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Report Number :E2/2019/C0053
 Operation Mode :802.11a / Band 1
 Test Frequency :5180 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10360.00	Peak	30.30	26.15	56.45	68.20	-11.75

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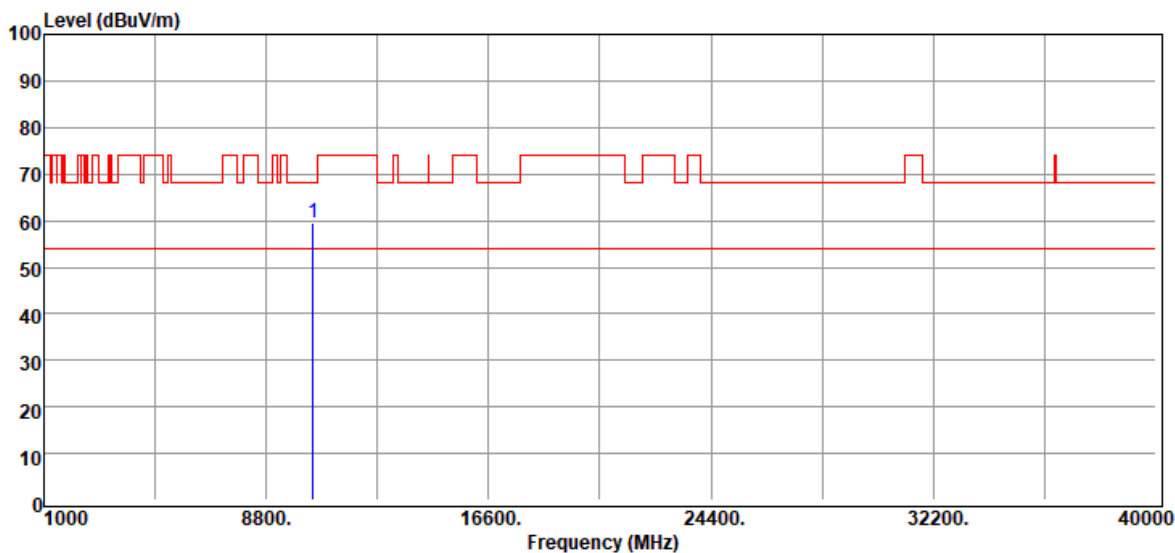
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Member of SGS Group

Report Number :E2/2019/C0053
 Operation Mode :802.11a / Band 1
 Test Frequency :5220 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plan

Test Date :2020-01-11
 Temp./Humi. :22.1/62
 Antenna Pol. :VERTICAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10440.00	Peak	32.90	26.68	59.58	68.20	-8.62

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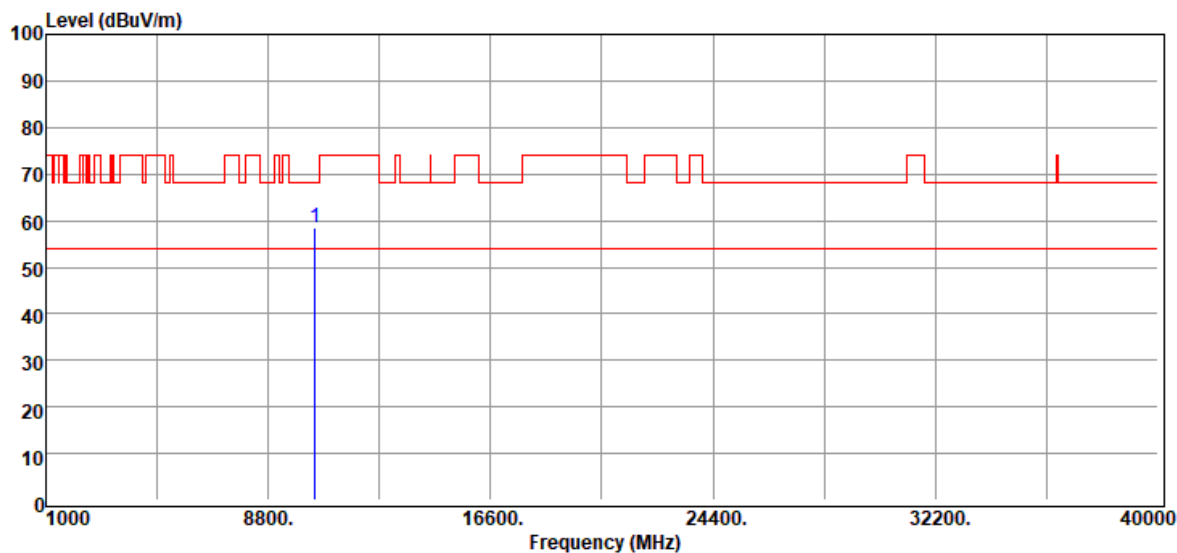
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Report Number :E2/2019/C0053
 Operation Mode :802.11a / Band 1
 Test Frequency :5220 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plan

Test Date :2020-01-11
 Temp./Humi. :22.1/62
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10440.00	Peak	31.76	26.68	58.44	68.20	-9.76

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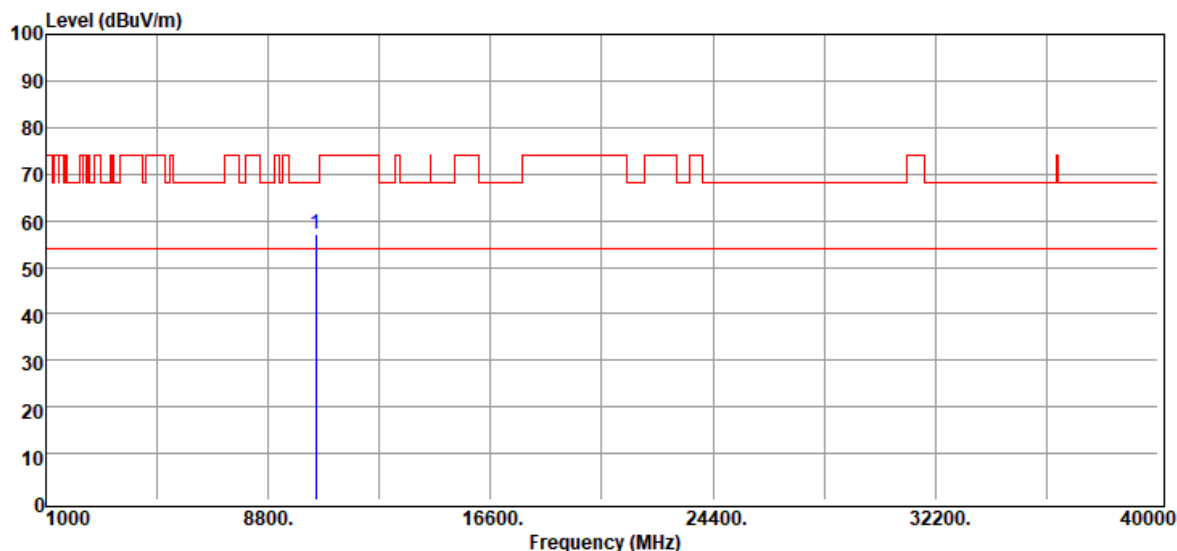
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Report Number :E2/2019/C0053
 Operation Mode :802.11a / Band 1
 Test Frequency :5240 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10480.00	Peak	29.71	27.23	56.94	68.20	-11.26

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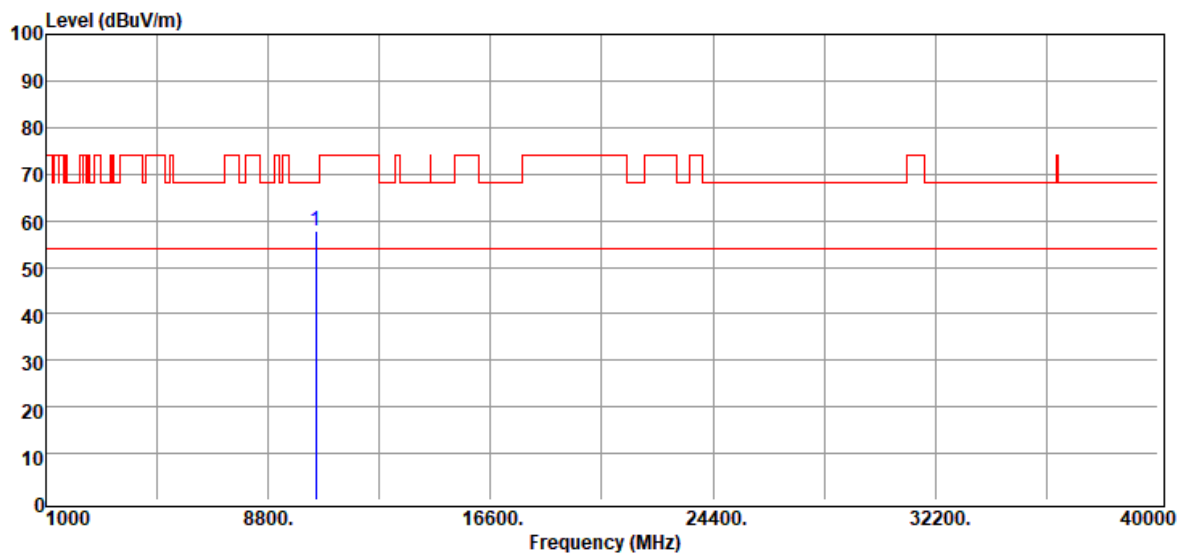
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Member of SGS Group

Report Number :E2/2019/C0053
 Operation Mode :802.11a / Band 1
 Test Frequency :5240 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10480.00	Peak	30.51	27.23	57.74	68.20	-10.46

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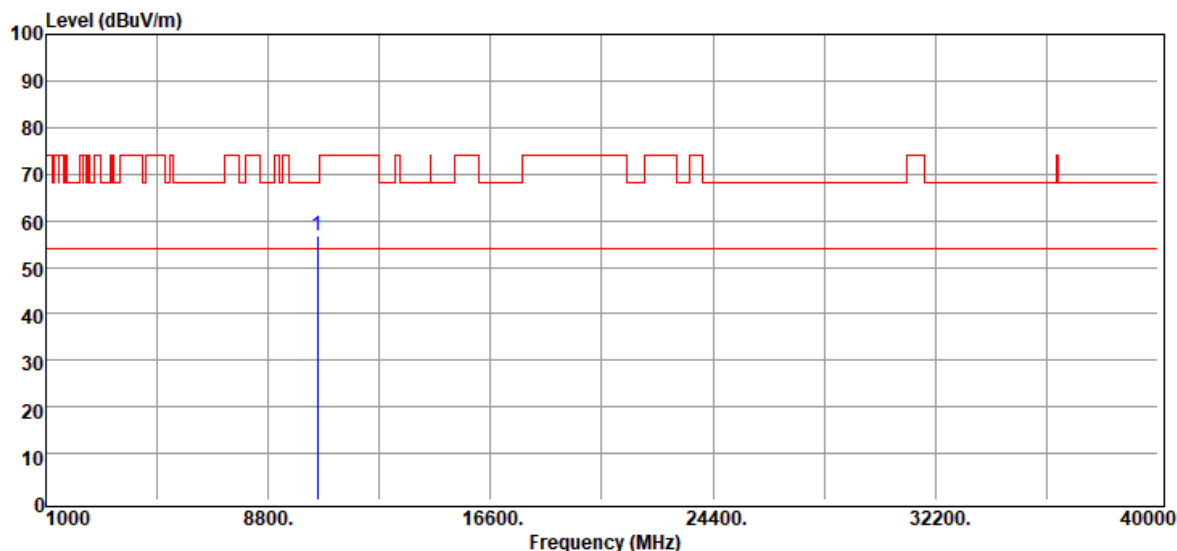
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Report Number :E2/2019/C0053
 Operation Mode :802.11a / Band 2
 Test Frequency :5260 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10520.00	Peak	29.61	27.29	56.90	68.20	-11.30

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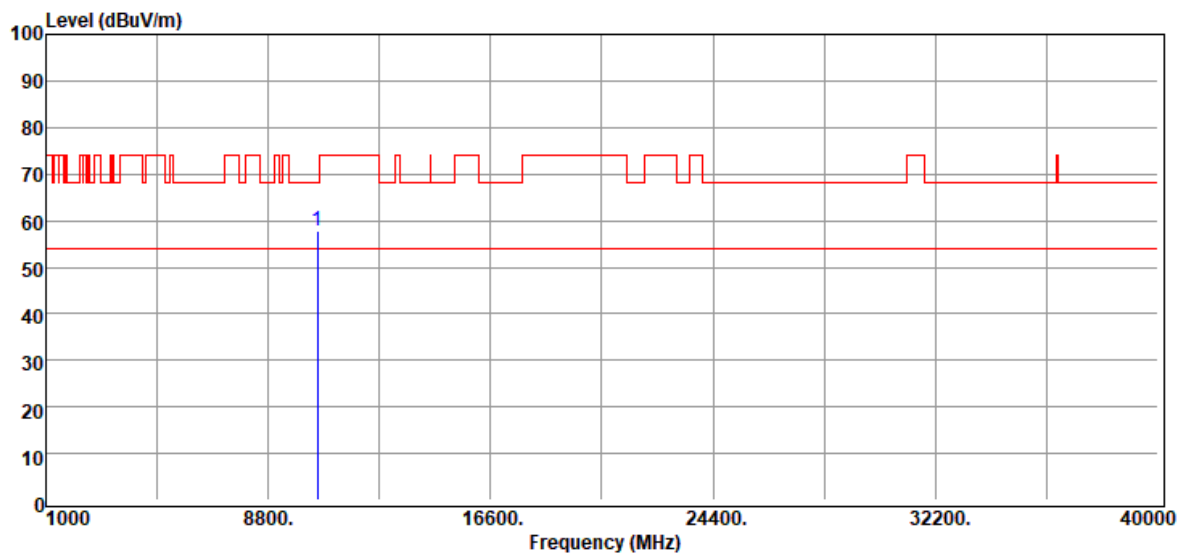
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Report Number :E2/2019/C0053
 Operation Mode :802.11a / Band 2
 Test Frequency :5260 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10520.00	Peak	30.47	27.29	57.76	68.20	-10.44

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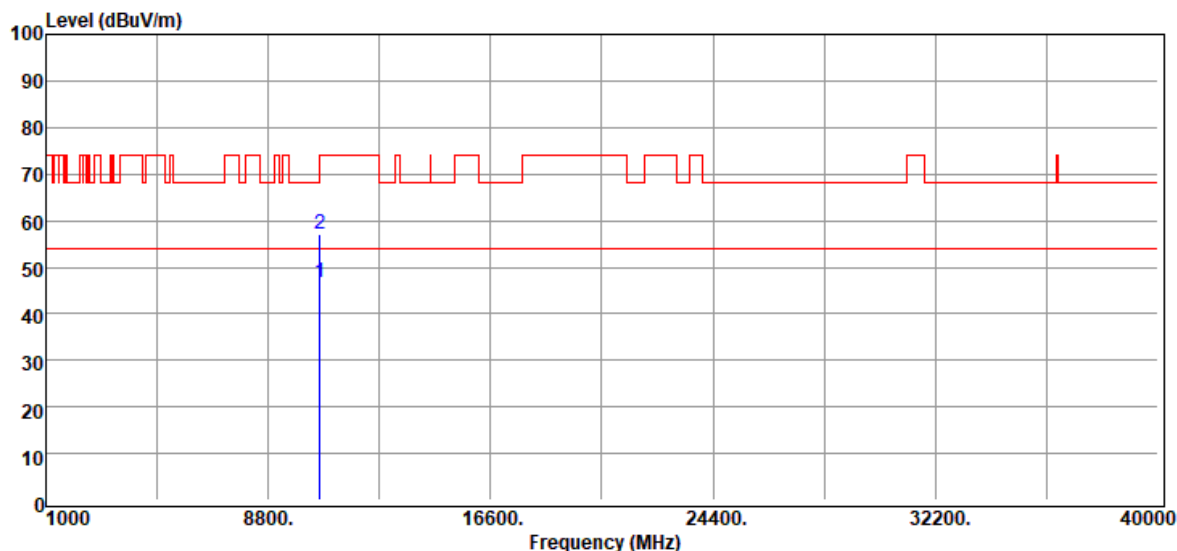
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Report Number :E2/2019/C0053
 Operation Mode :802.11a / Band 2
 Test Frequency :5300 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plan

Test Date :2020-01-11
 Temp./Humi. :22.1/62
 Antenna Pol. :VERTICAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10600.00	Average	20.97	25.75	46.72	54.00	-7.28
10600.00	Peak	31.30	25.75	57.05	74.00	-16.95

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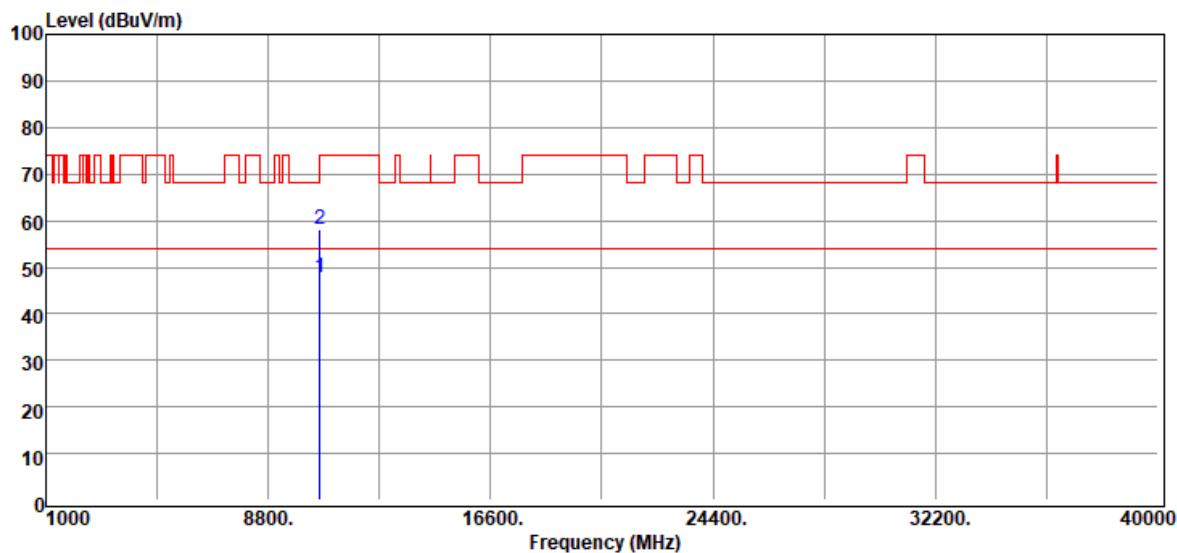
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Report Number :E2/2019/C0053
 Operation Mode :802.11a / Band 2
 Test Frequency :5300 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plan

Test Date :2020-01-11
 Temp./Humi. :22.1/62
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10600.00	Average	21.97	25.75	47.72	54.00	-6.28
10600.00	Peak	32.54	25.75	58.29	74.00	-15.71

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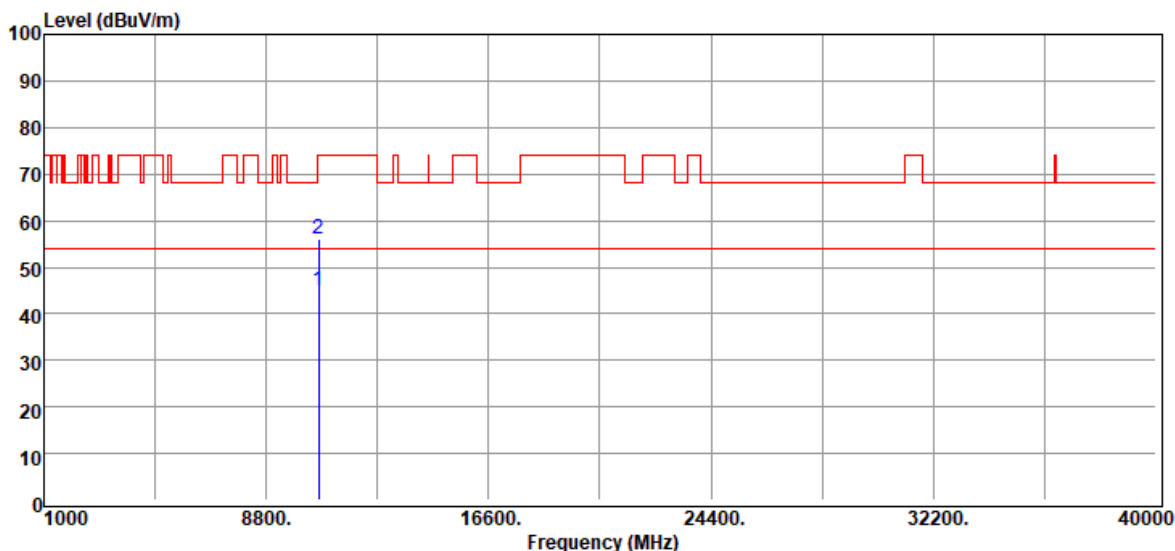
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Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 2
Test Frequency :5320 MHz
Test Mode :TX CH HIGH
EUT Pol :H Plan

Test Date :2020-03-30
Temp./Humi. :25.1/59
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10640.00	Average	19.41	25.67	45.08	54.00	-8.92
10640.00	Peak	30.26	25.67	55.93	74.00	-18.07

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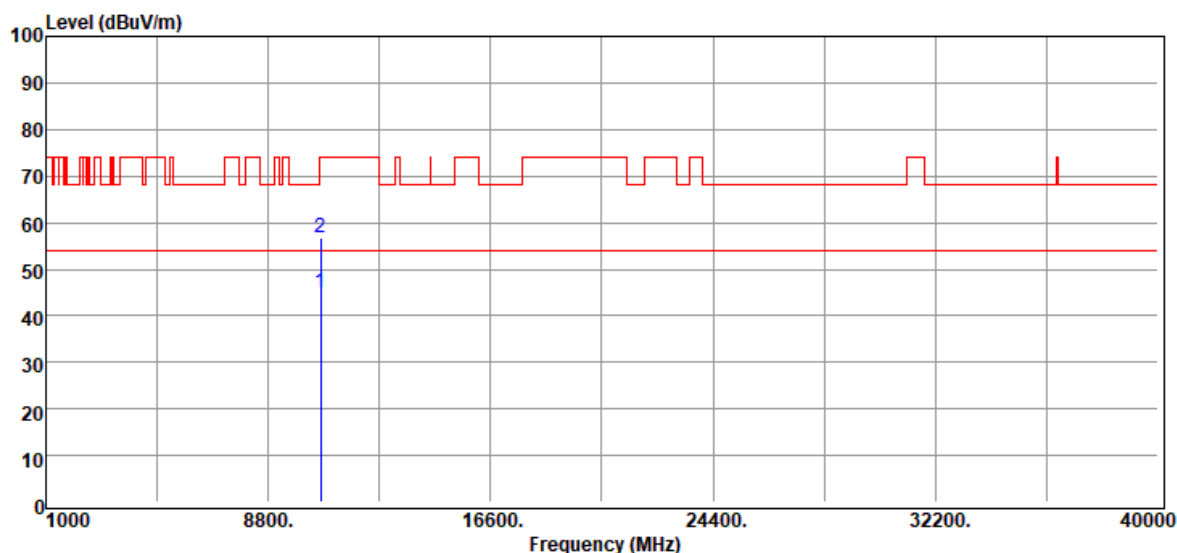
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Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 2
Test Frequency :5320 MHz
Test Mode :TX CH HIGH
EUT Pol :H Plan

Test Date :2020-03-30
Temp./Humi. :25.1/59
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10640.00	Average	19.35	25.67	45.02	54.00	-8.98
10640.00	Peak	31.21	25.67	56.88	74.00	-17.12

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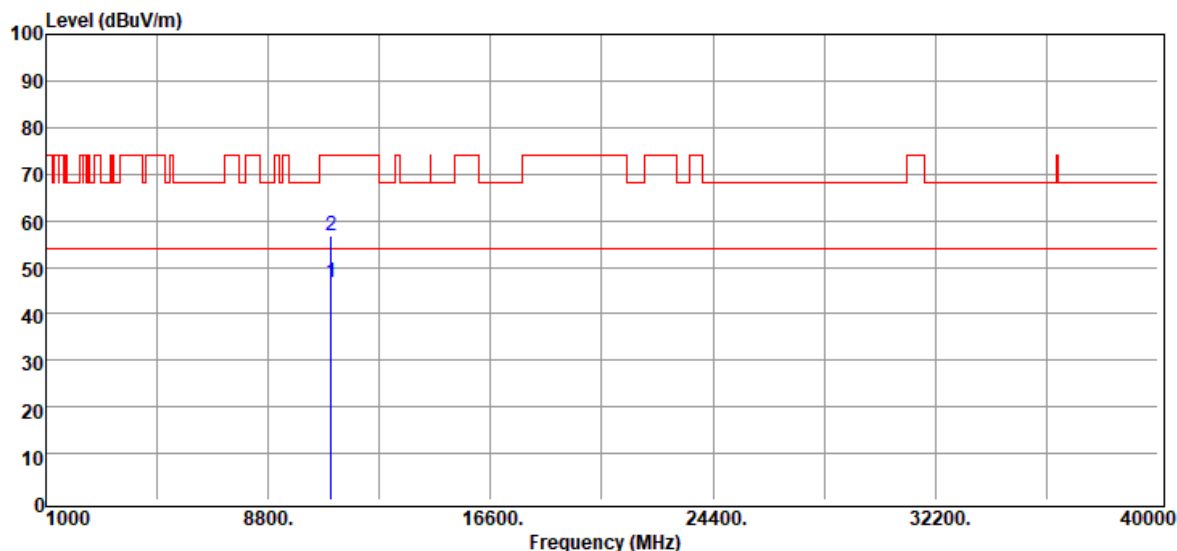
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Report Number :E2/2019/C0053
 Operation Mode :802.11a / Band 3
 Test Frequency :5500 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :VERTICAL
 Engineer :Enzo



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	19.33	27.31	46.64	54.00	-7.36
11000.00	Peak	29.57	27.31	56.88	74.00	-17.12

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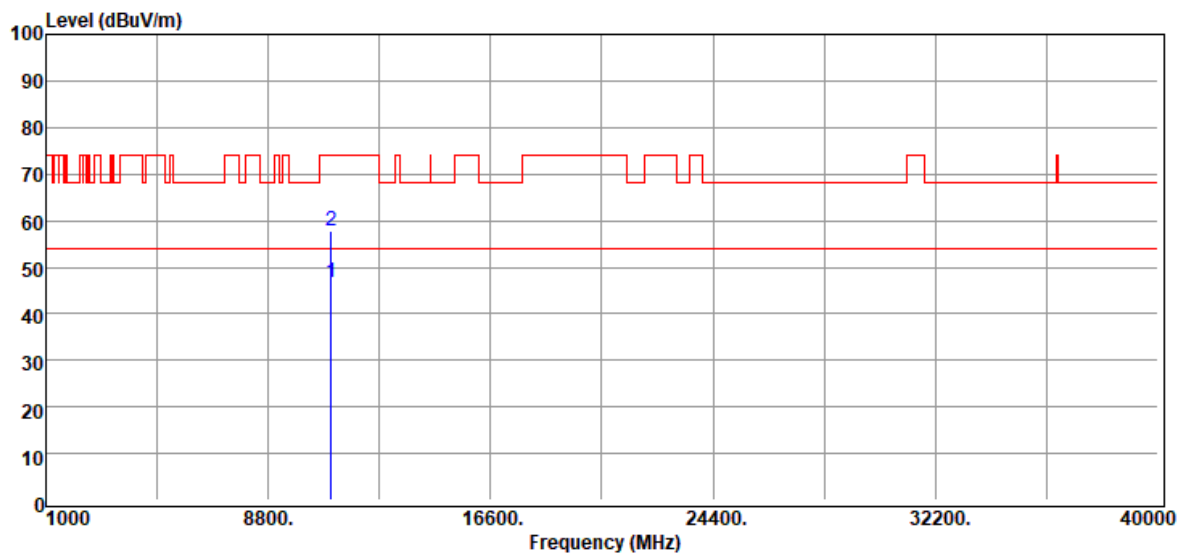
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Report Number :E2/2019/C0053
 Operation Mode :802.11a / Band 3
 Test Frequency :5500 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



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	19.31	27.31	46.62	54.00	-7.38
11000.00	Peak	30.42	27.31	57.73	74.00	-16.27

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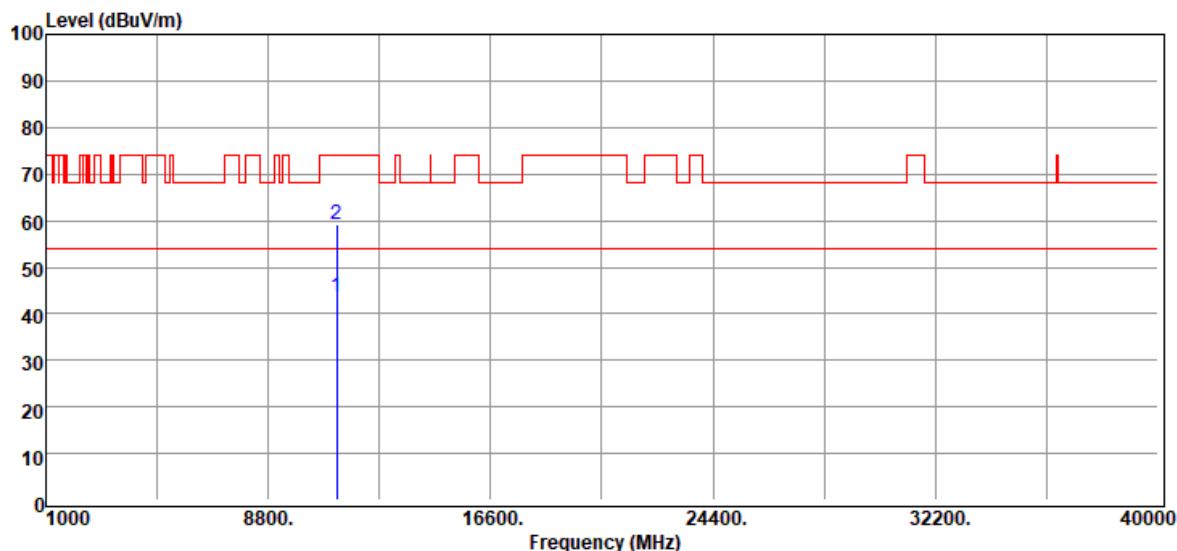
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Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 3
Test Frequency :5600 MHz
Test Mode :TX CH MID
EUT Pol :H Plan

Test Date :2020-01-11
Temp./Humi. :22.1/62
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11200.00	Average	17.40	26.16	43.56	54.00	-10.44
11200.00	Peak	33.18	26.16	59.34	74.00	-14.66

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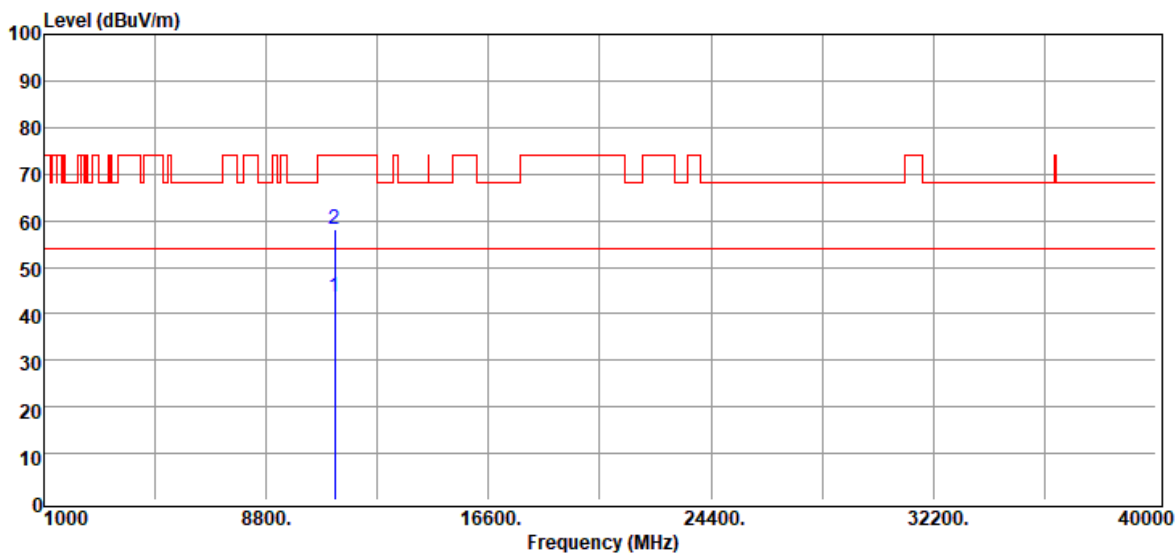
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Report Number :E2/2019/C0053
 Operation Mode :802.11a / Band 3
 Test Frequency :5600 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plan

Test Date :2020-01-11
 Temp./Humi. :22.1/62
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11200.00	Average	17.39	26.16	43.55	54.00	-10.45
11200.00	Peak	32.04	26.16	58.20	74.00	-15.80

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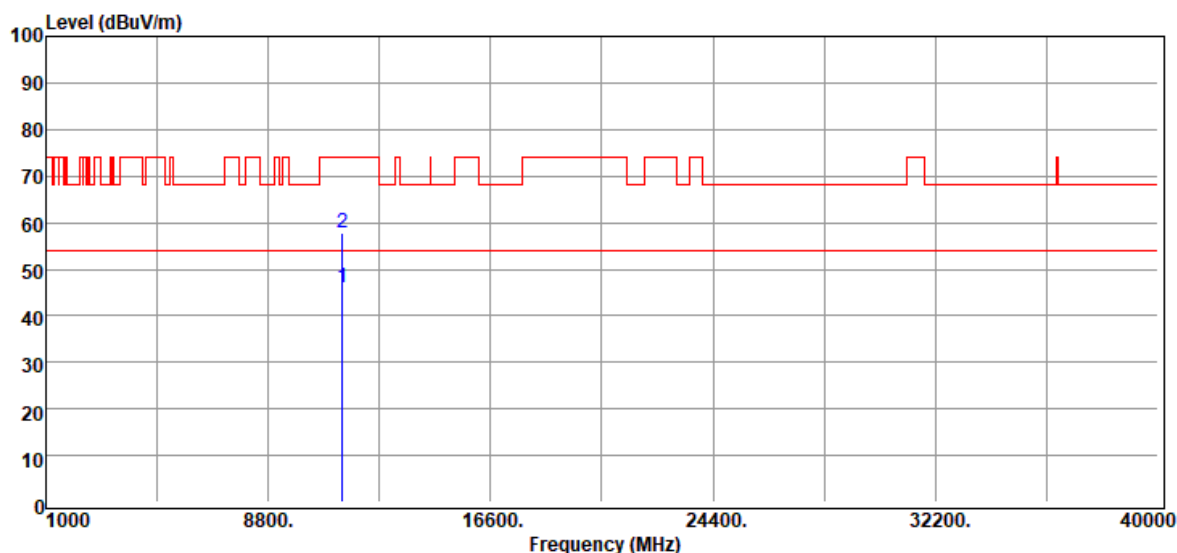
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Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 3
Test Frequency :5700 MHz
Test Mode :TX CH HIGH
EUT Pol :H Plan

Test Date :2020-03-30
Temp./Humi. :25.1/59
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11400.00	Average	19.39	26.54	45.93	54.00	-8.07
11400.00	Peak	31.24	26.54	57.78	74.00	-16.22

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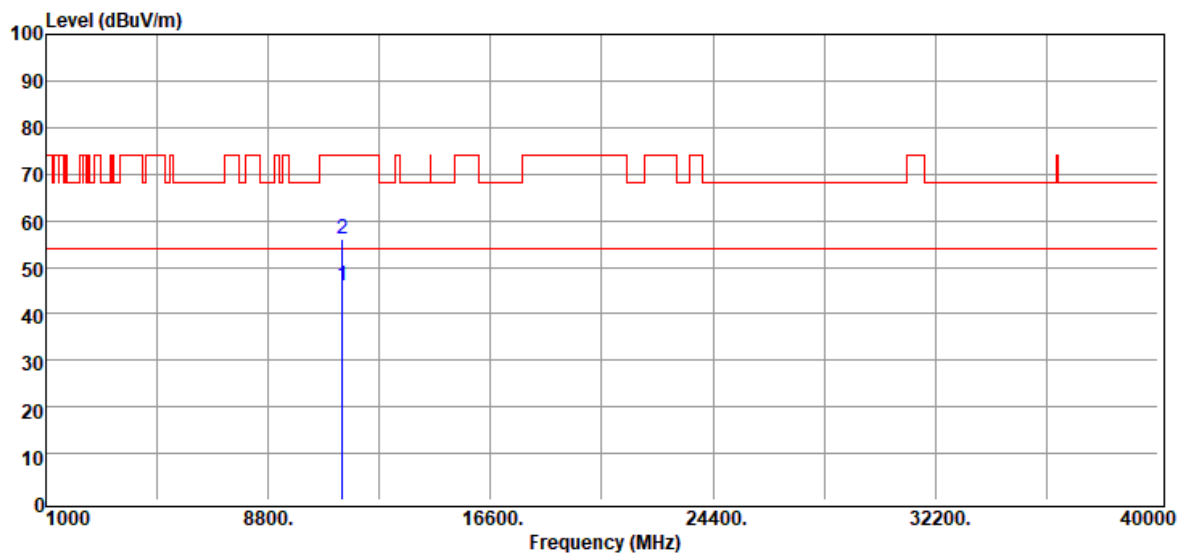
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Report Number :E2/2019/C0053
 Operation Mode :802.11a / Band 3
 Test Frequency :5700 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11400.00	Average	19.44	26.54	45.98	54.00	-8.02
11400.00	Peak	29.37	26.54	55.91	74.00	-18.09

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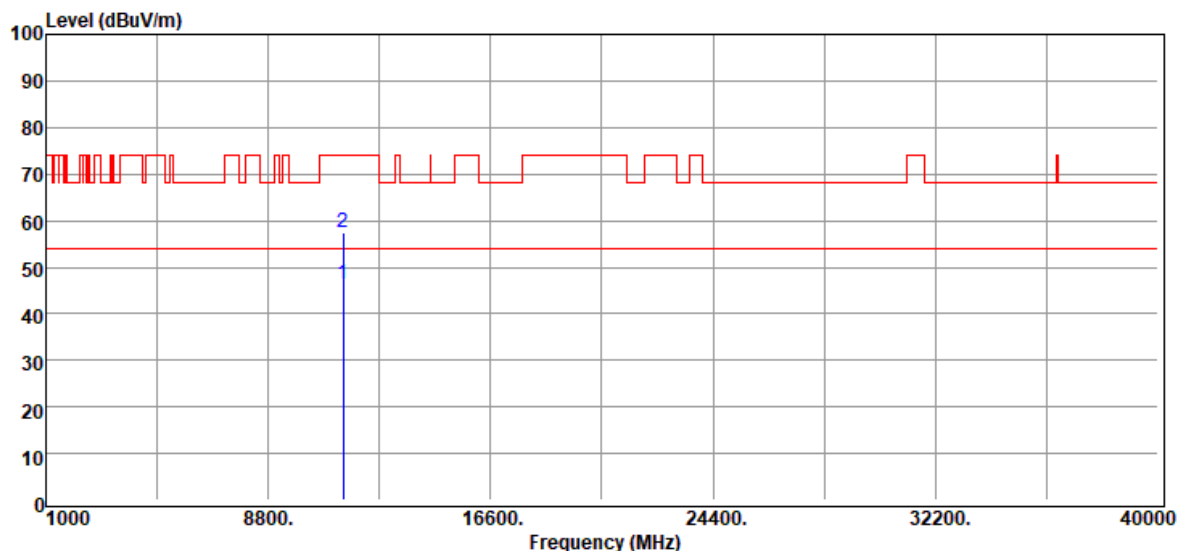
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Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 3-4
Test Frequency :5720 MHz
Test Mode :TX CH 144
EUT Pol :H Plan

Test Date :2020-03-30
Temp./Humi. :25.1/59
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11440.00	Average	19.27	26.94	46.21	54.00	-7.79
11440.00	Peak	30.56	26.94	57.50	74.00	-16.50

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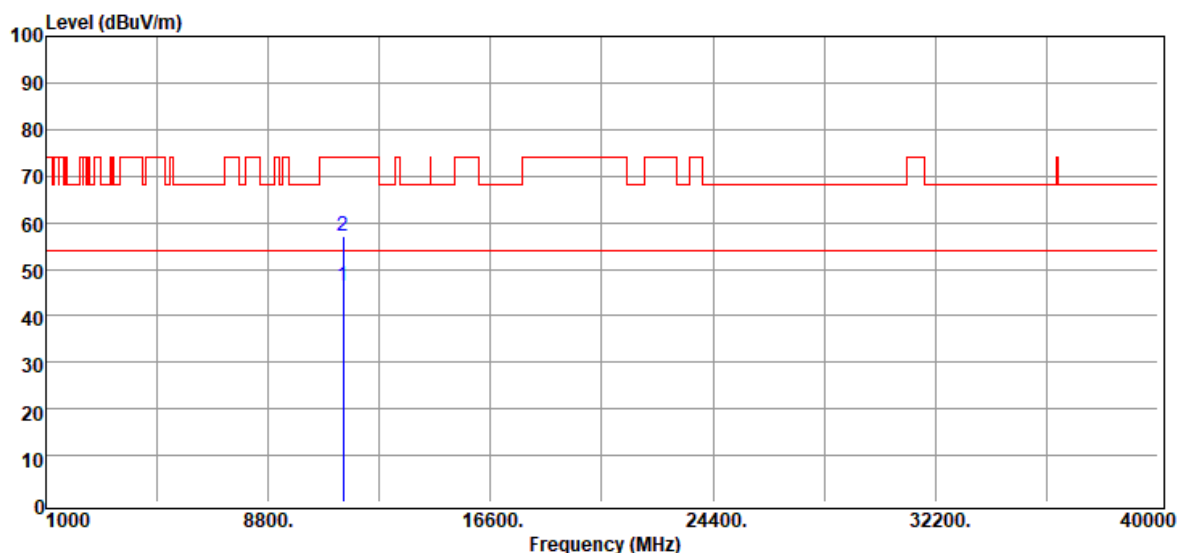
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Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 3-4
Test Frequency :5720 MHz
Test Mode :TX CH 144
EUT Pol :H Plan

Test Date :2020-03-30
Temp./Humi. :25.1/59
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11440.00	Average	19.35	26.94	46.29	54.00	-7.71
11440.00	Peak	30.03	26.94	56.97	74.00	-17.03

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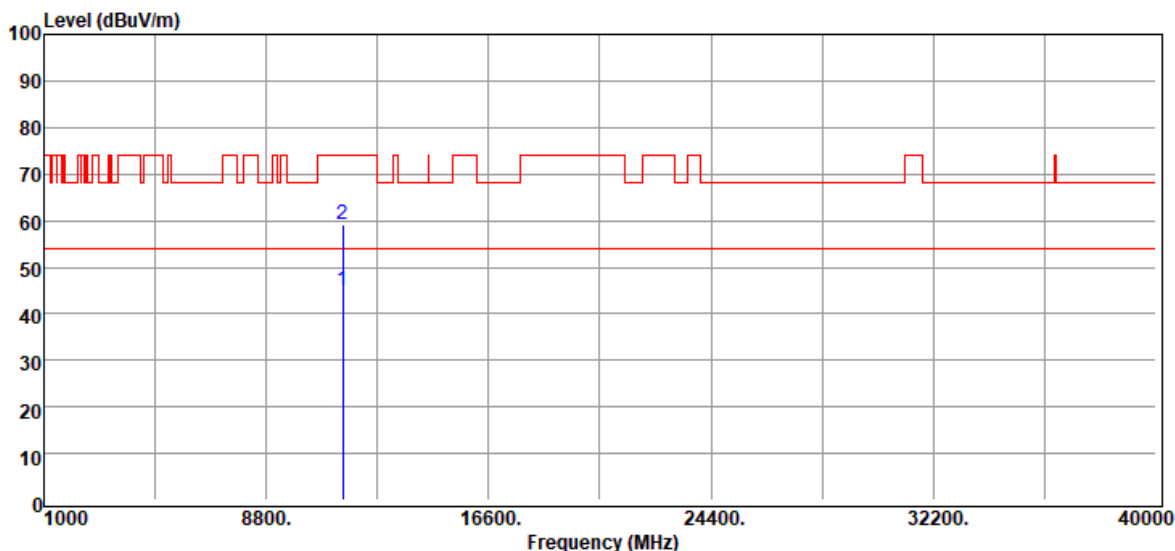
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Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 4
Test Frequency :5745 MHz
Test Mode :TX CH LOW
EUT Pol :H Plan

Test Date :2020-01-15
Temp./Humi. :22.7/51
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11490.00	Average	17.48	27.42	44.90	54.00	-9.10
11490.00	Peak	31.87	27.42	59.29	74.00	-14.71

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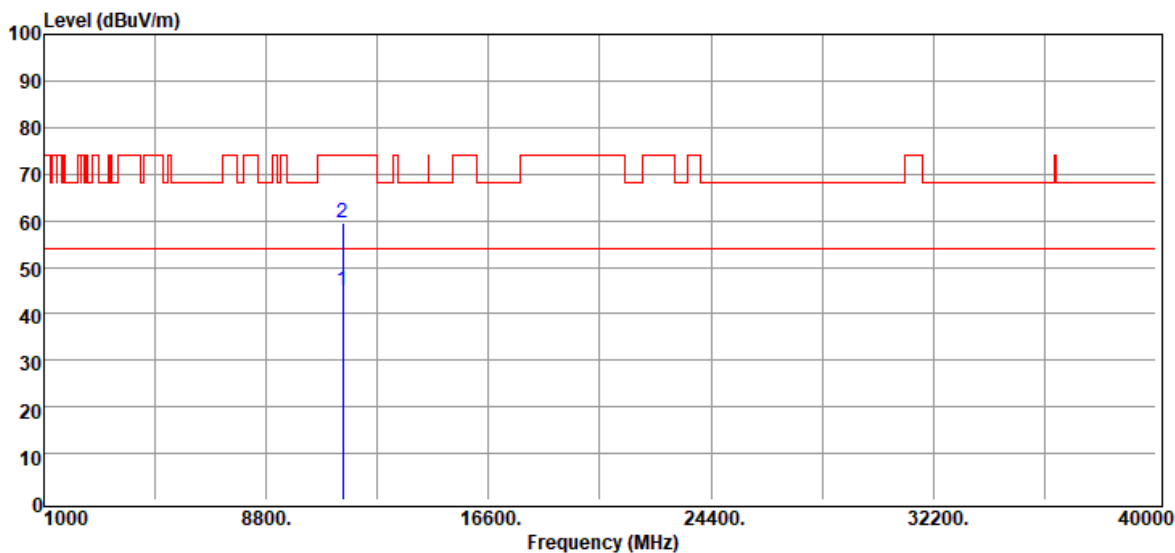
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Report Number :E2/2019/C0053
 Operation Mode :802.11a / Band 4
 Test Frequency :5745 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plan

Test Date :2020-01-15
 Temp./Humi. :22.7/51
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11490.00	Average	17.51	27.42	44.93	54.00	-9.07
11490.00	Peak	32.15	27.42	59.57	74.00	-14.43

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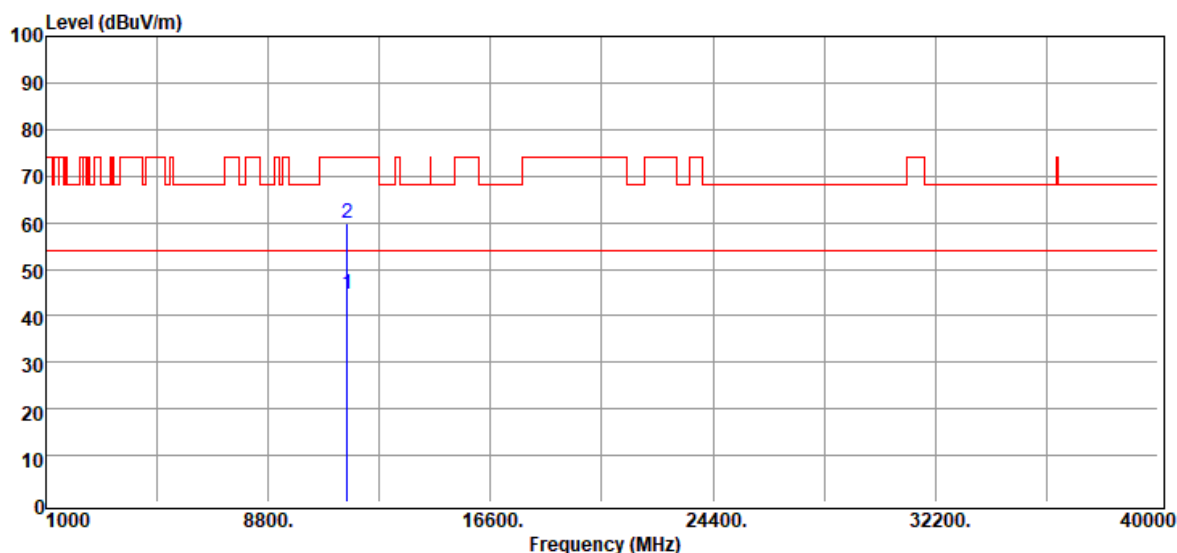
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Member of SGS Group

Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 4
Test Frequency :5785 MHz
Test Mode :TX CH MID
EUT Pol :H Plan

Test Date :2020-01-11
Temp./Humi. :22.1/62
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11570.00	Average	17.53	26.95	44.48	54.00	-9.52
11570.00	Peak	32.77	26.95	59.72	74.00	-14.28

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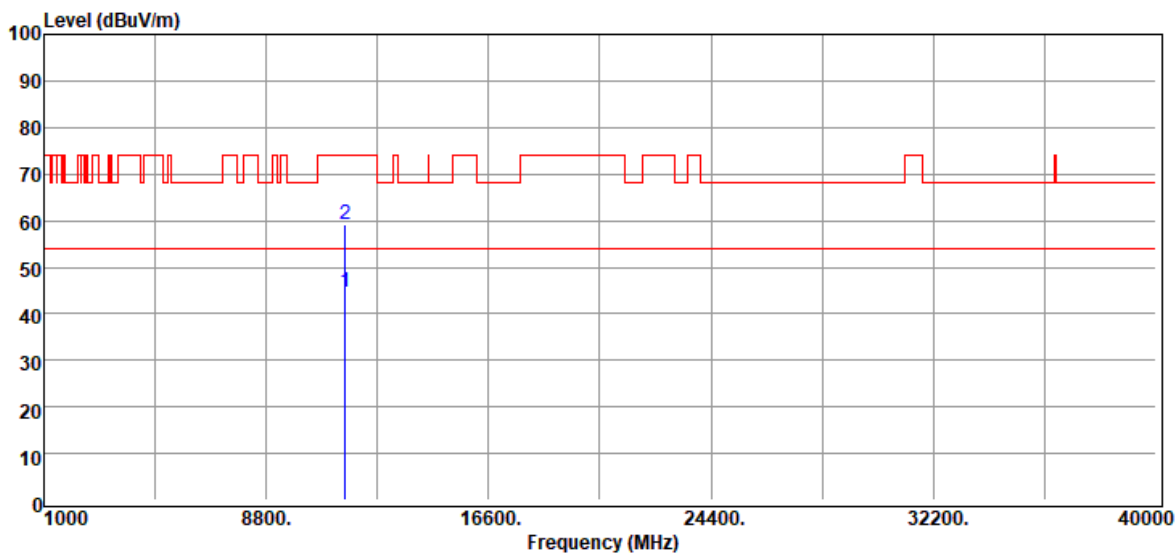
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Report Number :E2/2019/C0053
 Operation Mode :802.11a / Band 4
 Test Frequency :5785 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plan

Test Date :2020-01-11
 Temp./Humi. :22.1/62
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton



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	17.59	26.95	44.54	54.00	-9.46
11570.00	Peak	32.23	26.95	59.18	74.00	-14.82

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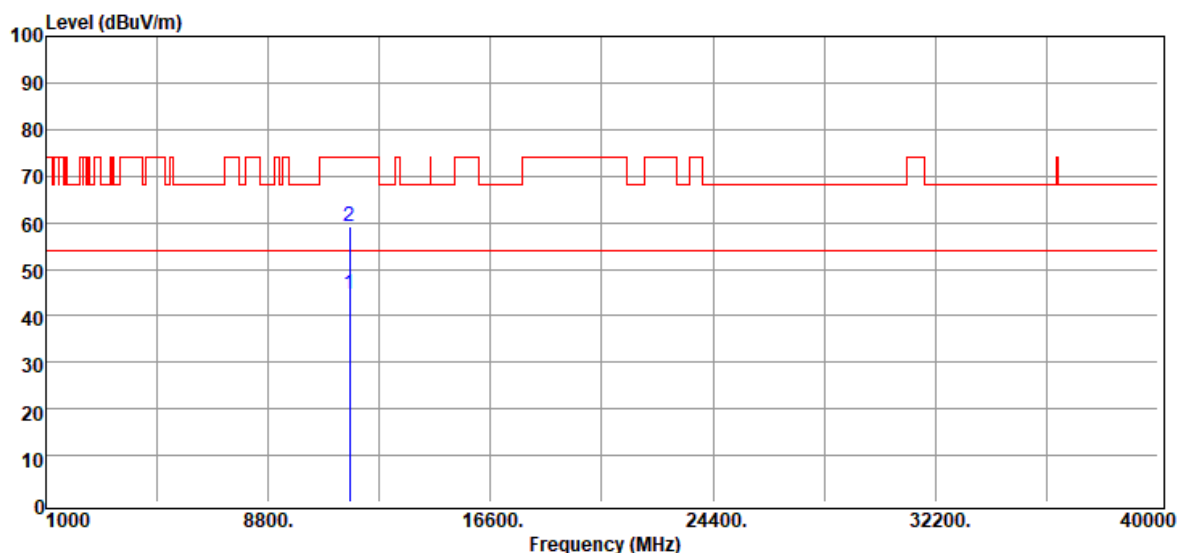
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Report Number :E2/2019/C0053
Operation Mode :802.11a / Band 4
Test Frequency :5825 MHz
Test Mode :TX CH HIGH
EUT Pol :H Plan

Test Date :2020-01-15
Temp./Humi. :22.7/51
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11650.00	Average	17.53	27.18	44.71	54.00	-9.29
11650.00	Peak	31.86	27.18	59.04	74.00	-14.96

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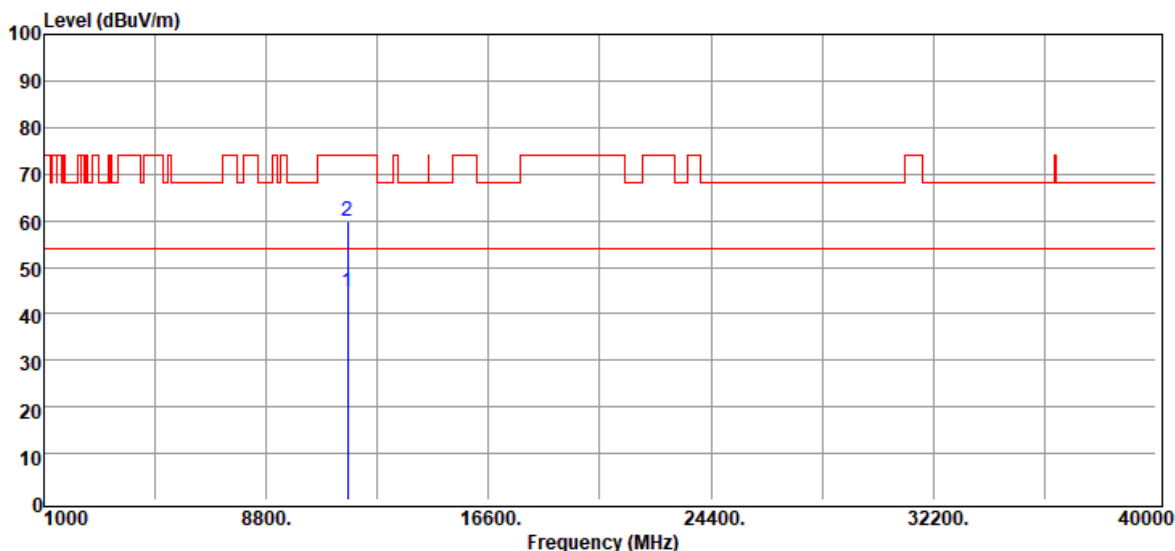
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Report Number :E2/2019/C0053
 Operation Mode :802.11a / Band 4
 Test Frequency :5825 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plan

Test Date :2020-01-15
 Temp./Humi. :22.7/51
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11650.00	Average	17.55	27.18	44.73	54.00	-9.27
11650.00	Peak	32.74	27.18	59.92	74.00	-14.08

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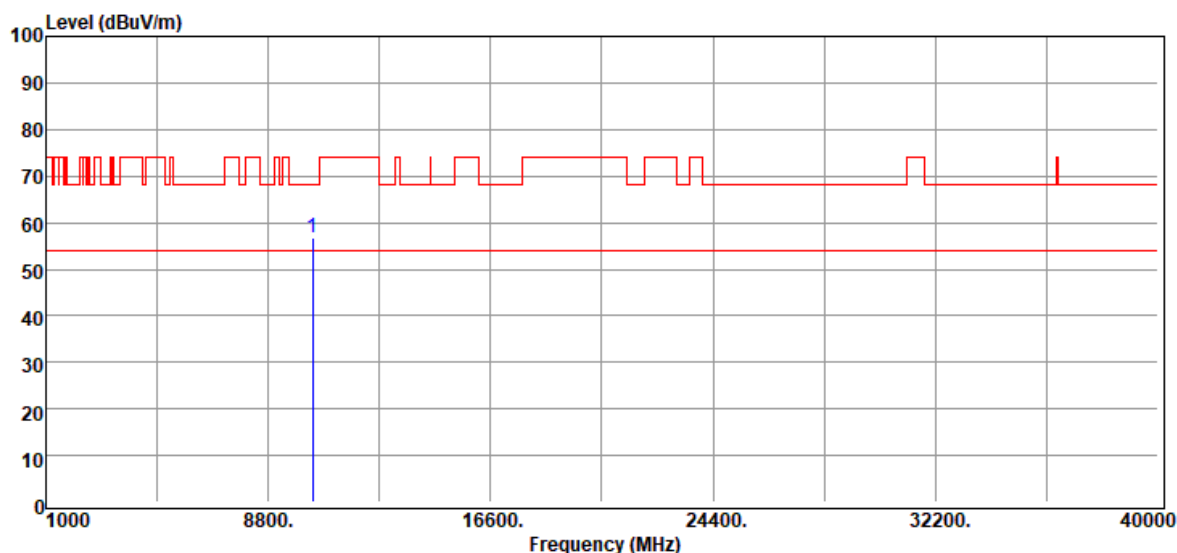
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Report Number :E2/2019/C0053
Operation Mode :802.11n20 / Band 1
Test Frequency :5180 MHz
Test Mode :TX CH LOW
EUT Pol :H Plan

Test Date :2020-03-30
Temp./Humi. :25.1/59
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10360.00	Peak	30.51	26.15	56.66	68.20	-11.54

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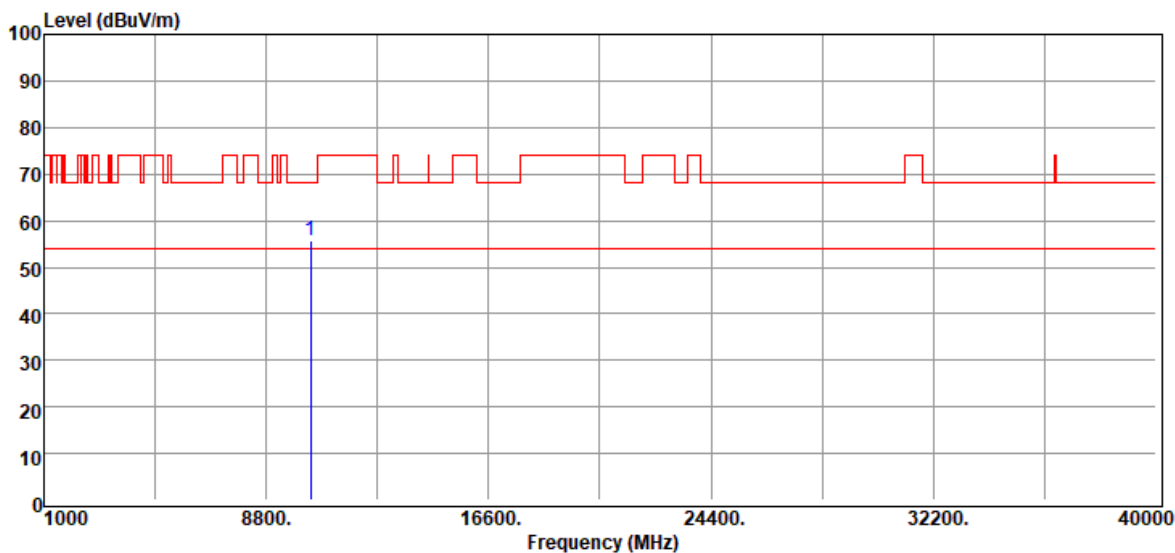
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 1
 Test Frequency :5180 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10360.00	Peak	29.61	26.15	55.76	68.20	-12.44

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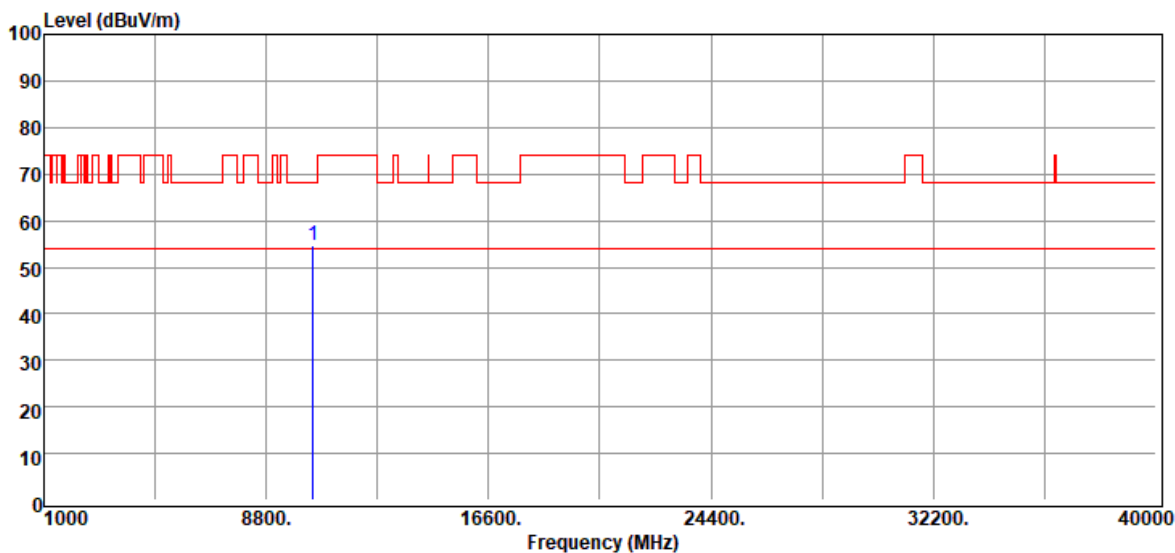
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 1
 Test Frequency :5220 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10440.00	Peak	28.54	26.24	54.78	68.20	-13.42

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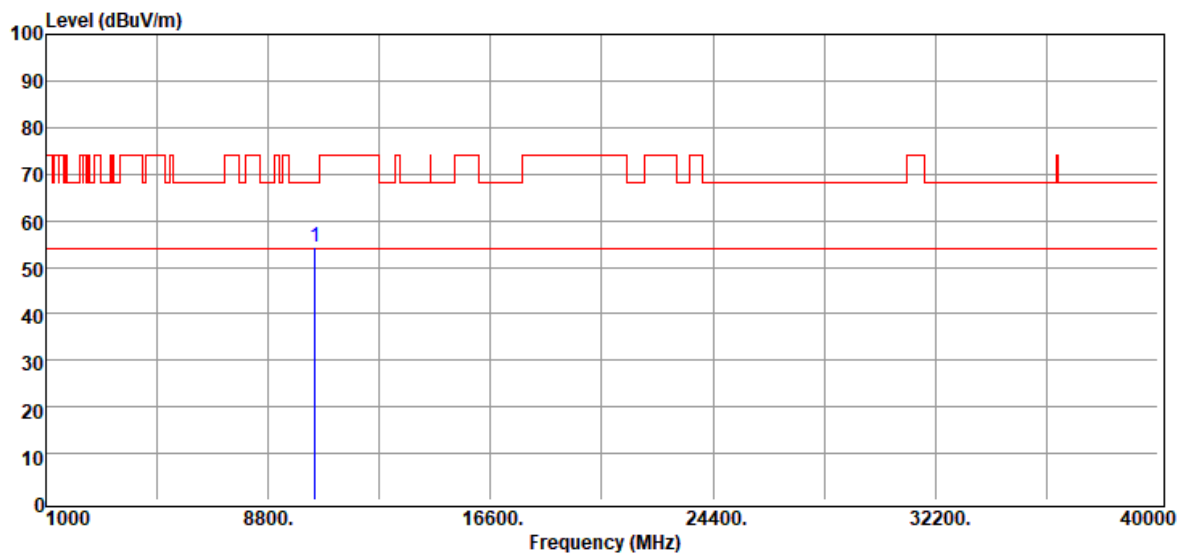
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 1
 Test Frequency :5220 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10440.00	Peak	28.10	26.24	54.34	68.20	-13.86

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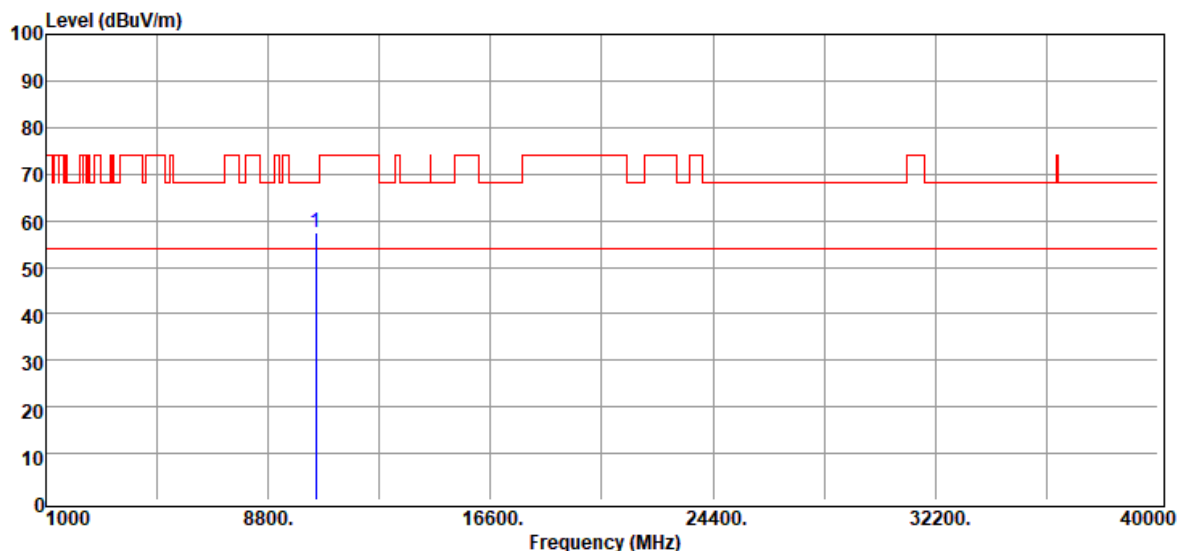
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 1
 Test Frequency :5240 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10480.00	Peak	30.30	27.23	57.53	68.20	-10.67

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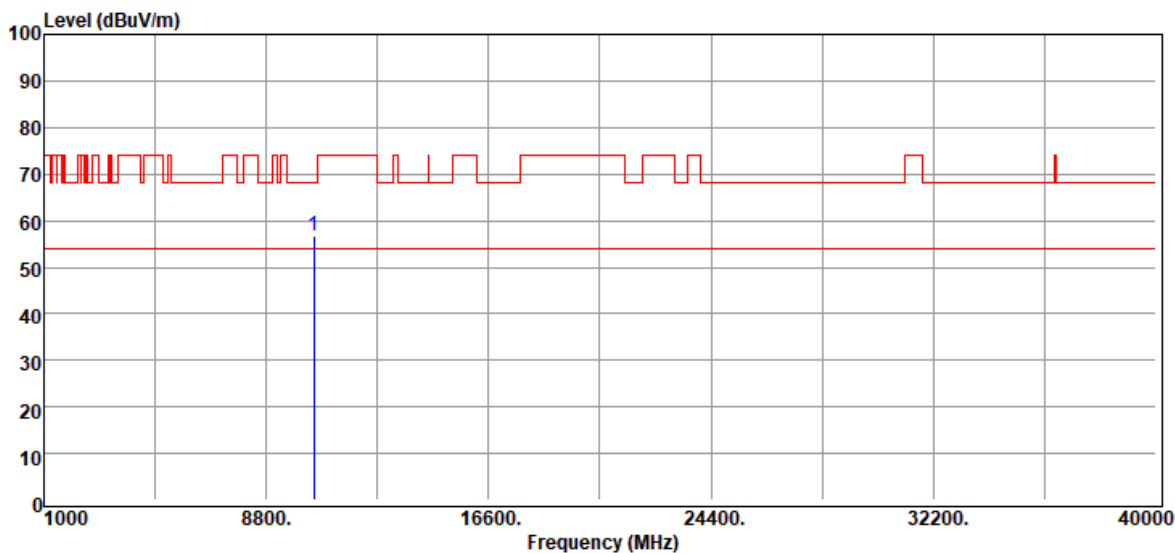
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 1
 Test Frequency :5240 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10480.00	Peak	29.67	27.23	56.90	68.20	-11.30

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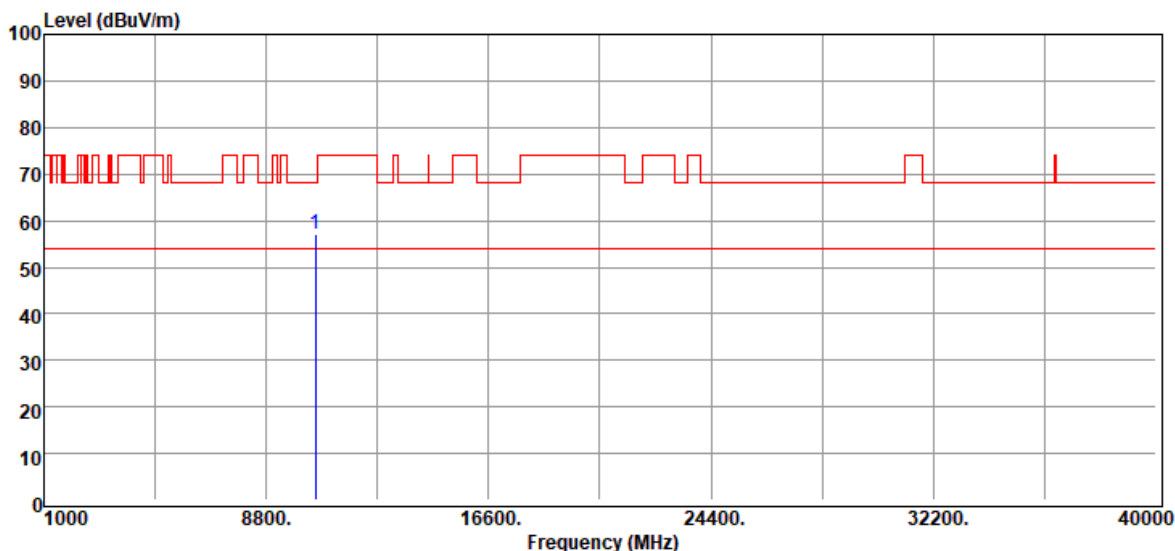
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Member of SGS Group

Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 2
 Test Frequency :5260 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10520.00	Peak	29.95	27.29	57.24	68.20	-10.96

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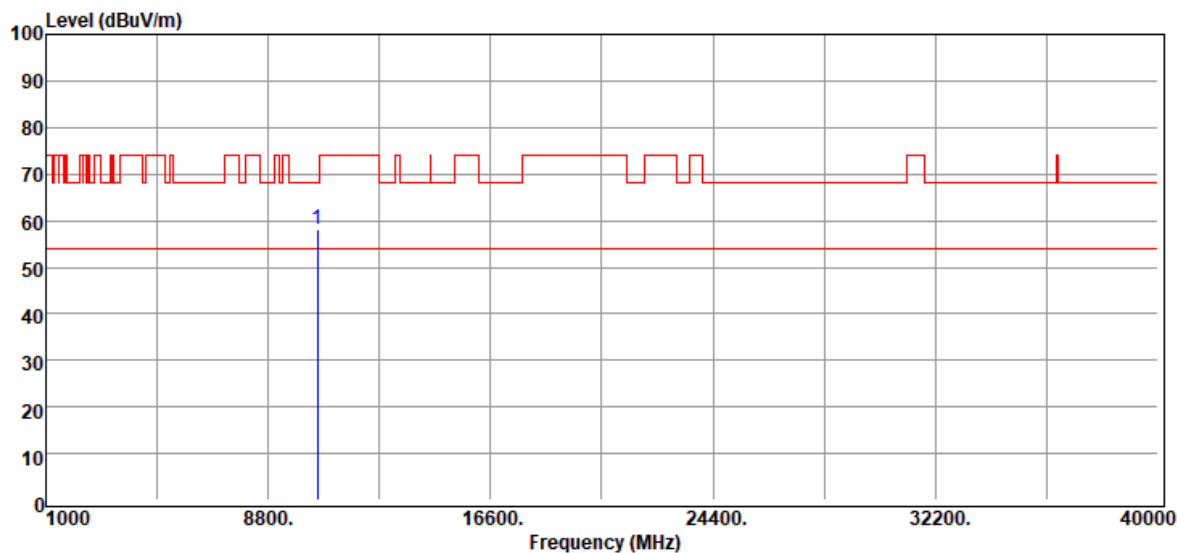
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Member of SGS Group

Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 2
 Test Frequency :5260 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10520.00	Peak	30.68	27.29	57.97	68.20	-10.23

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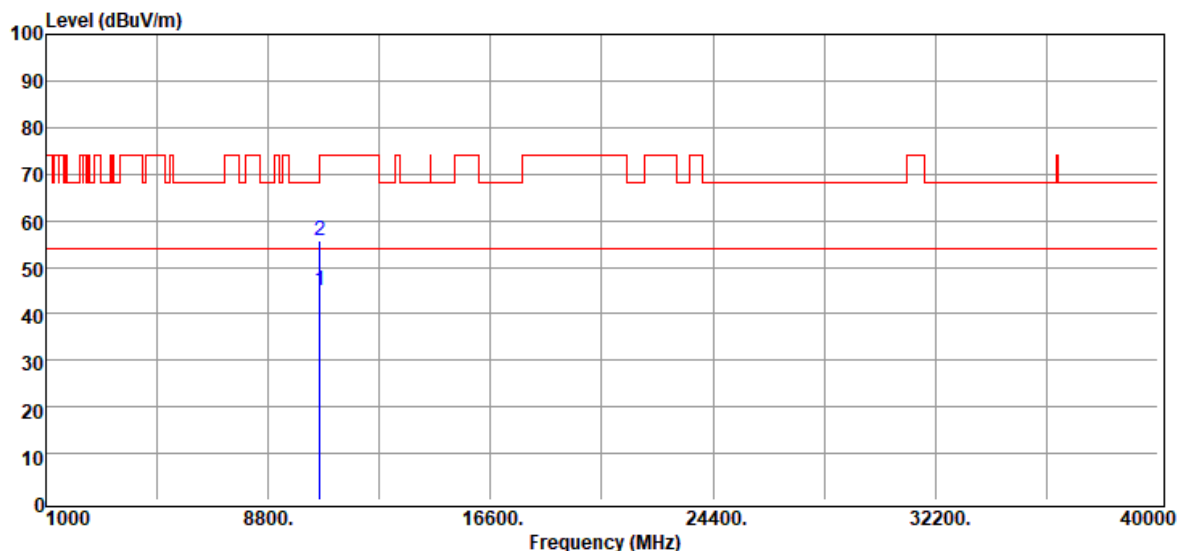
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Report Number :E2/2019/C0053
Operation Mode :802.11n20 / Band 2
Test Frequency :5300 MHz
Test Mode :TX CH MID
EUT Pol :H Plan

Test Date :2020-03-30
Temp./Humi. :25.1/59
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10600.00	Average	19.28	25.55	44.83	54.00	-9.17
10600.00	Peak	30.21	25.55	55.76	74.00	-18.24

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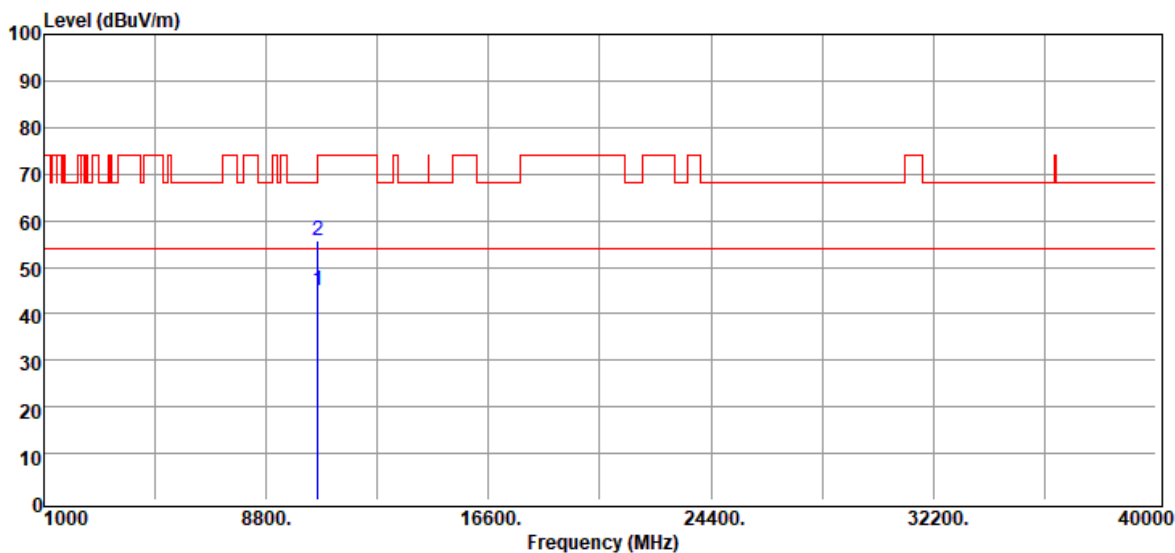
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 2
 Test Frequency :5300 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10600.00	Average	19.31	25.55	44.86	54.00	-9.14
10600.00	Peak	30.30	25.55	55.85	74.00	-18.15

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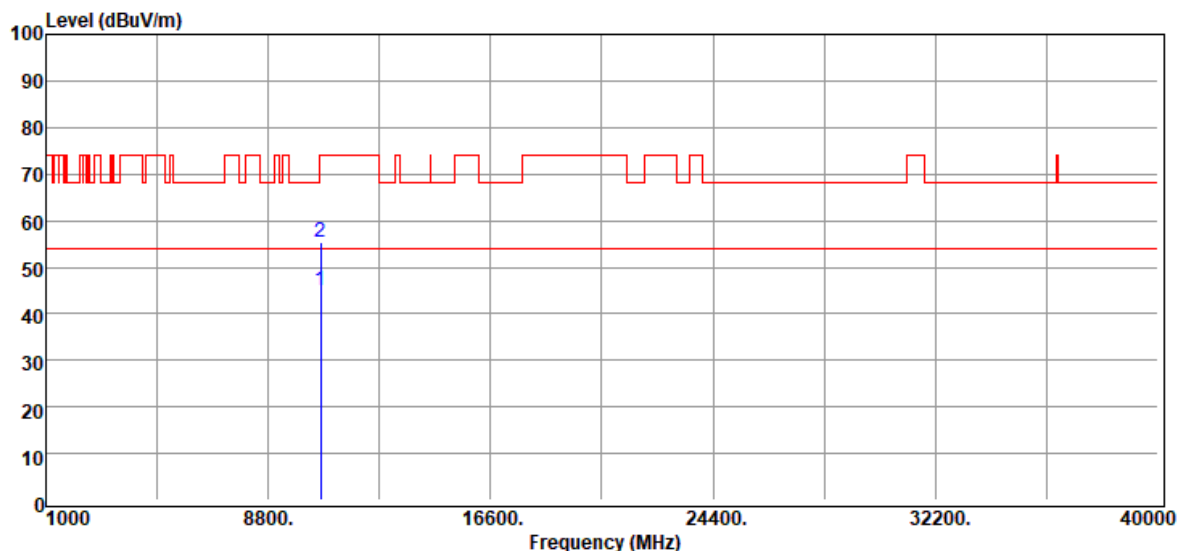
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 2
 Test Frequency :5320 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10640.00	Average	19.21	25.67	44.88	54.00	-9.12
10640.00	Peak	29.80	25.67	55.47	74.00	-18.53

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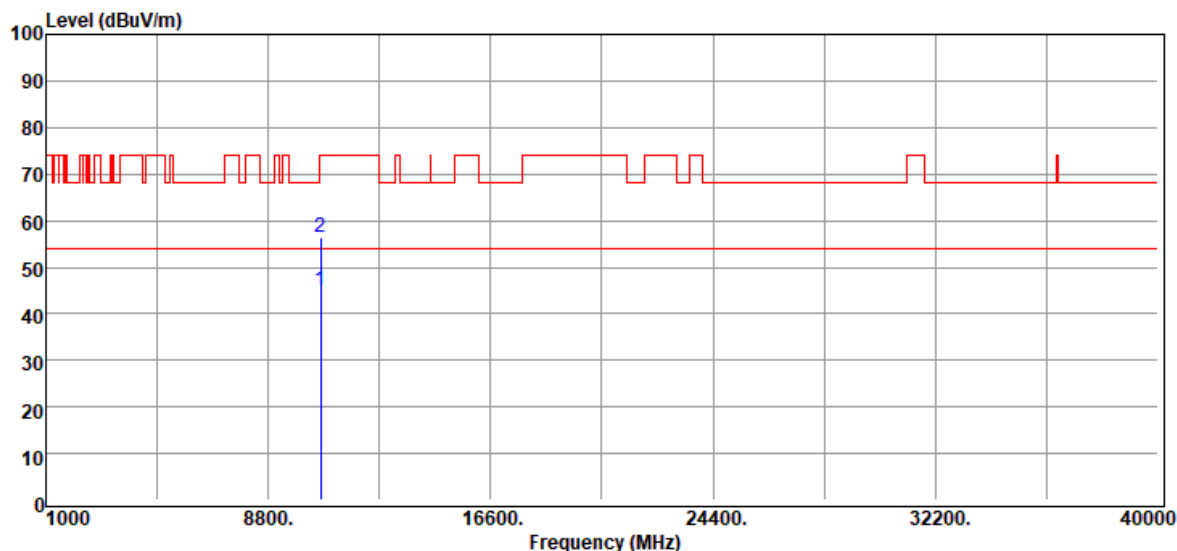
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 2
 Test Frequency :5320 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10640.00	Average	19.15	25.67	44.82	54.00	-9.18
10640.00	Peak	30.77	25.67	56.44	74.00	-17.56

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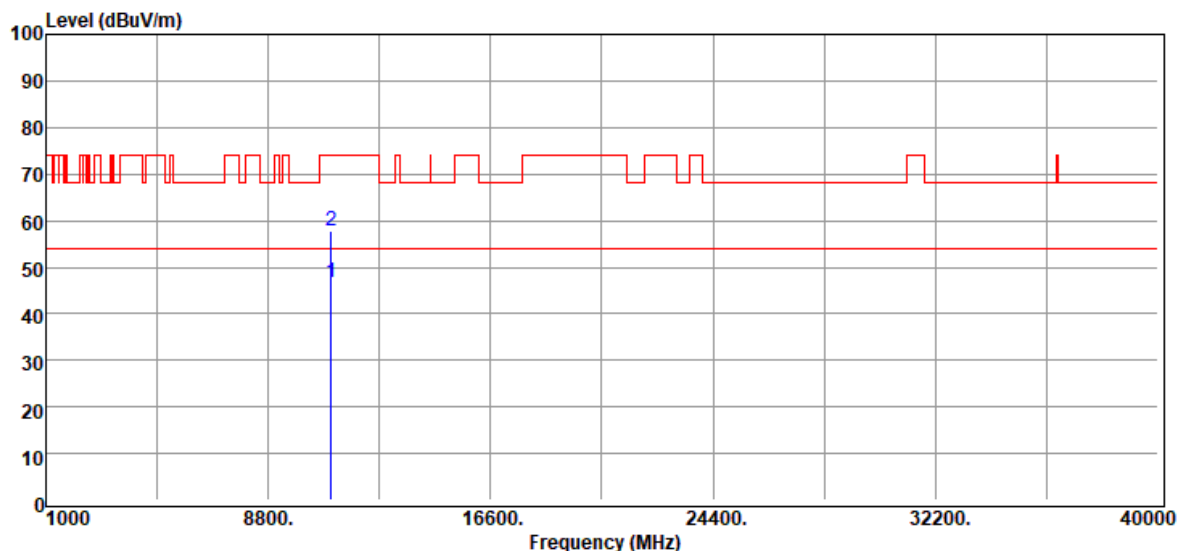
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 3
 Test Frequency :5500 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :VERTICAL
 Engineer :Enzo



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	19.36	27.31	46.67	54.00	-7.33
11000.00	Peak	30.65	27.31	57.96	74.00	-16.04

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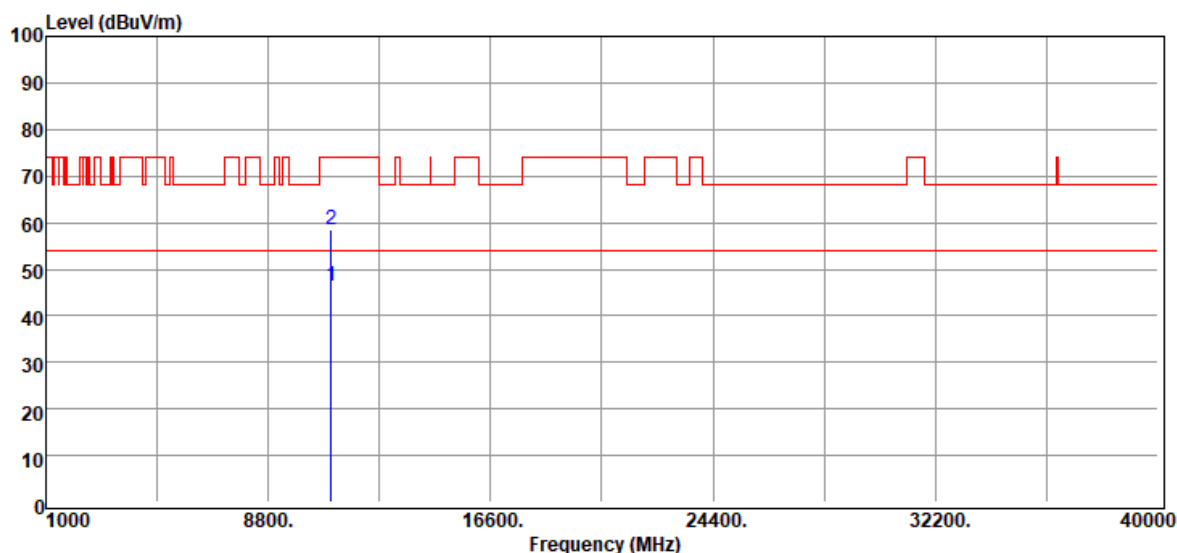
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Report Number :E2/2019/C0053
Operation Mode :802.11n20 / Band 3
Test Frequency :5500 MHz
Test Mode :TX CH LOW
EUT Pol :H Plan

Test Date :2020-03-30
Temp./Humi. :25.1/59
Antenna Pol. :HORIZONTAL
Engineer :Enzo



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	19.22	27.31	46.53	54.00	-7.47
11000.00	Peak	31.16	27.31	58.47	74.00	-15.53

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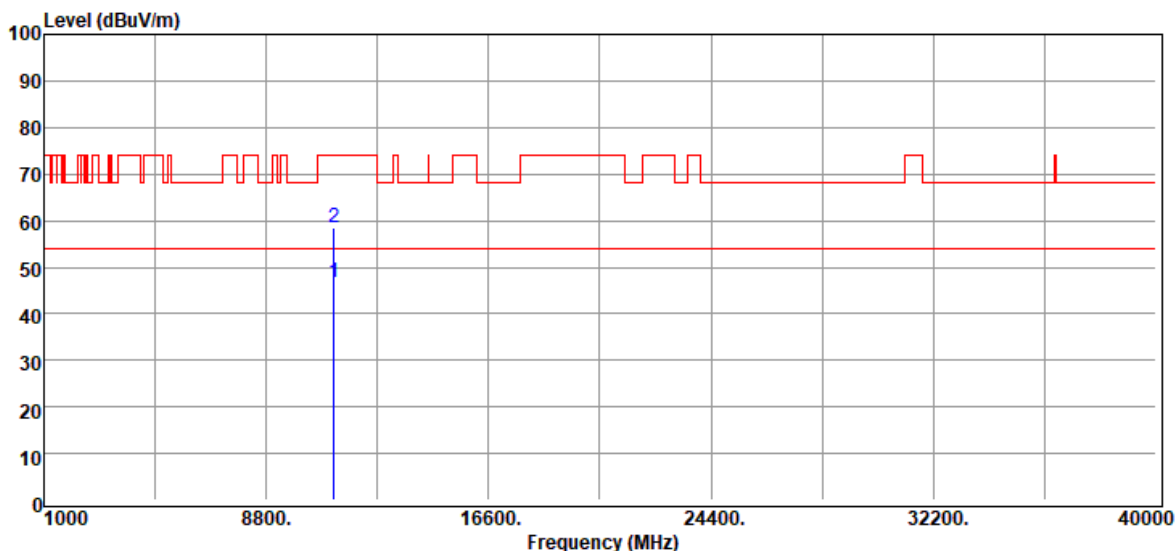
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 3
 Test Frequency :5580 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11160.00	Average	19.32	27.45	46.77	54.00	-7.23
11160.00	Peak	30.89	27.45	58.34	74.00	-15.66

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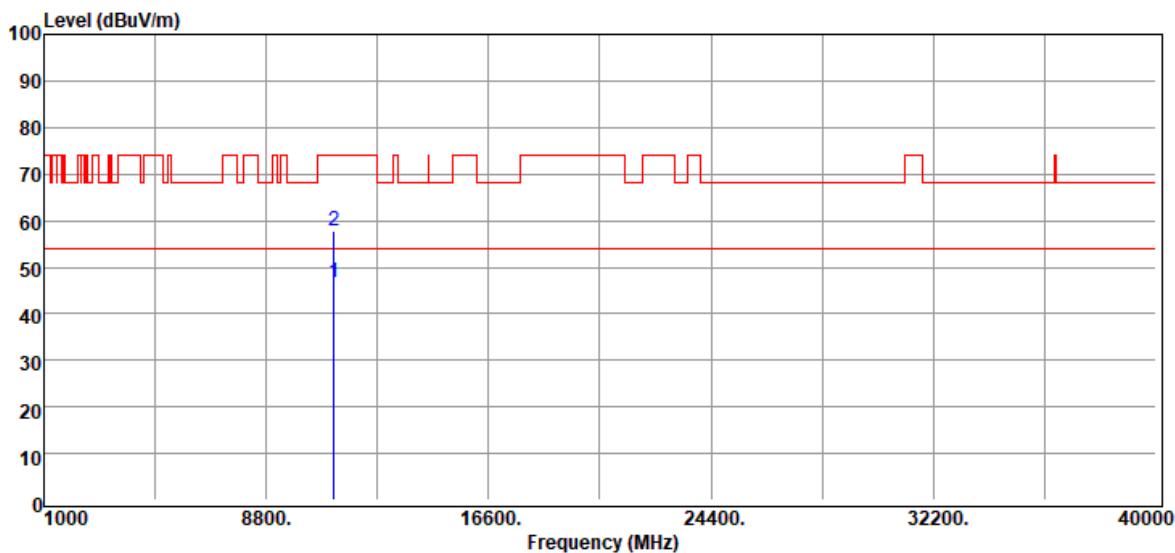
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 3
 Test Frequency :5580 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



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	19.38	27.45	46.83	54.00	-7.17
11160.00	Peak	30.48	27.45	57.93	74.00	-16.07

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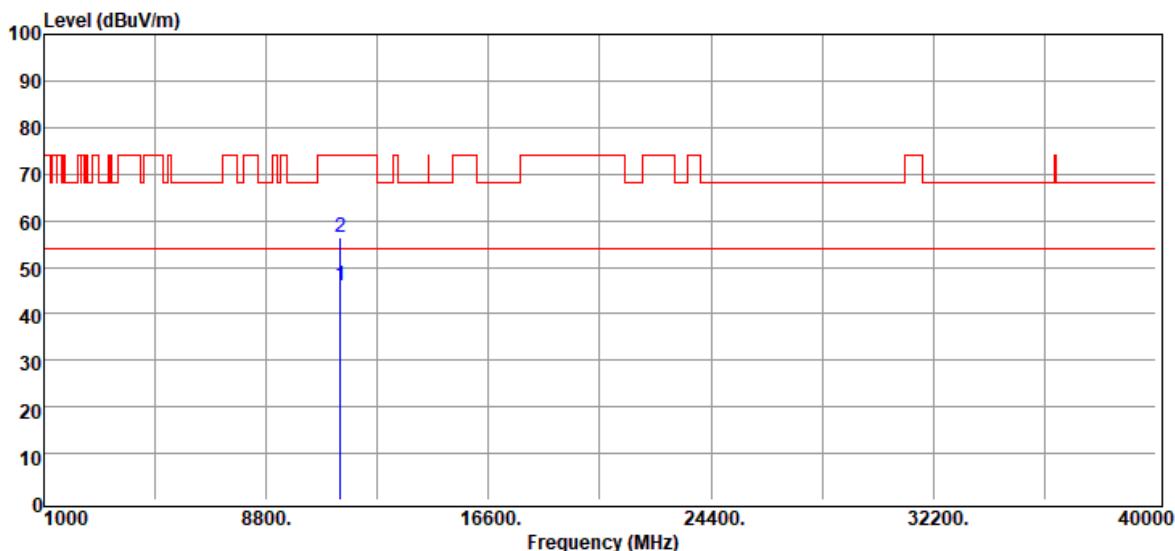
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 3
 Test Frequency :5700 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11400.00	Average	19.47	26.54	46.01	54.00	-7.99
11400.00	Peak	29.86	26.54	56.40	74.00	-17.60

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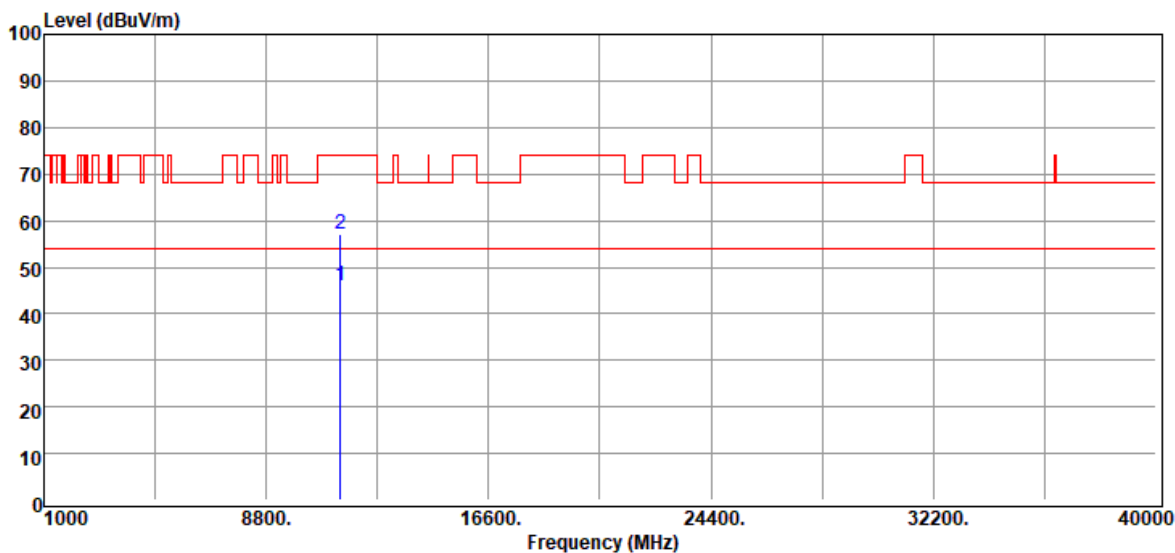
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 3
 Test Frequency :5700 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11400.00	Average	19.51	26.54	46.05	54.00	-7.95
11400.00	Peak	30.51	26.54	57.05	74.00	-16.95

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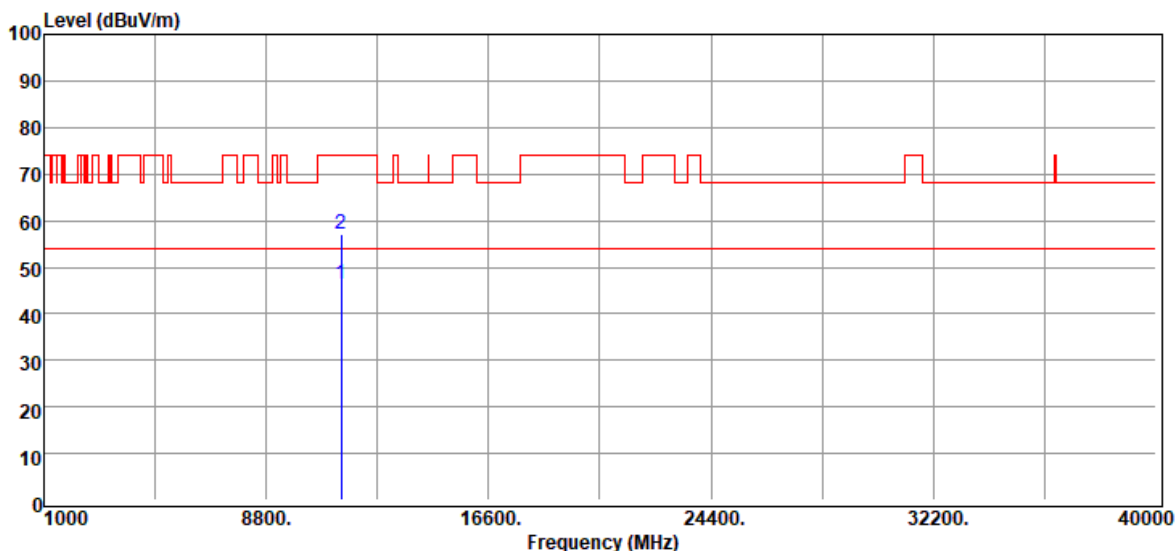
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 3-4
 Test Frequency :5720 MHz
 Test Mode :TX CH 144
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11440.00	Average	19.48	26.94	46.42	54.00	-7.58
11440.00	Peak	30.08	26.94	57.02	74.00	-16.98

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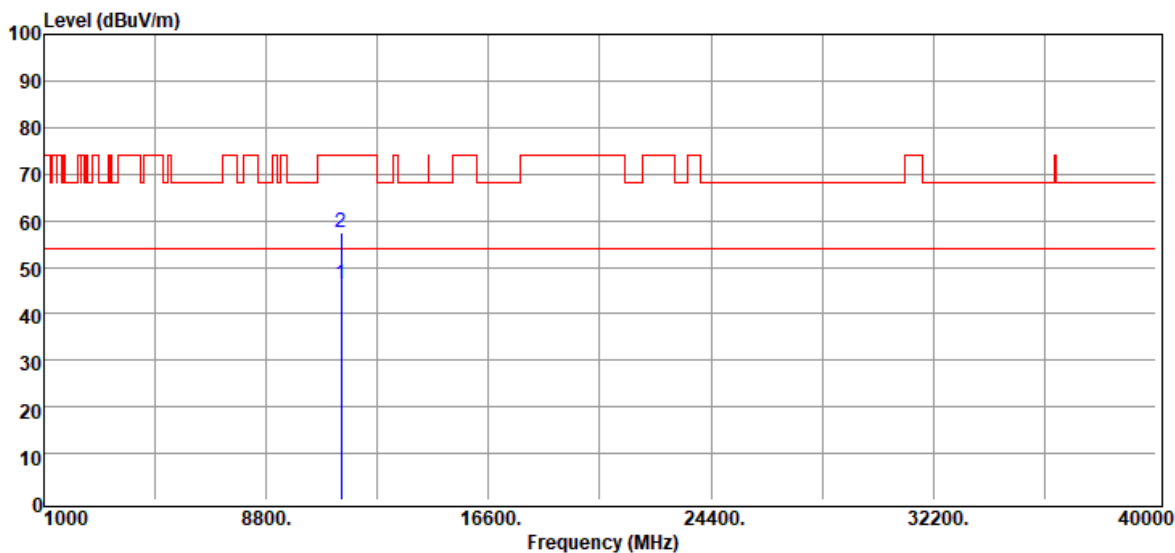
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 3-4
 Test Frequency :5720 MHz
 Test Mode :TX CH 144
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11440.00	Average	19.56	26.94	46.50	54.00	-7.50
11440.00	Peak	30.39	26.94	57.33	74.00	-16.67

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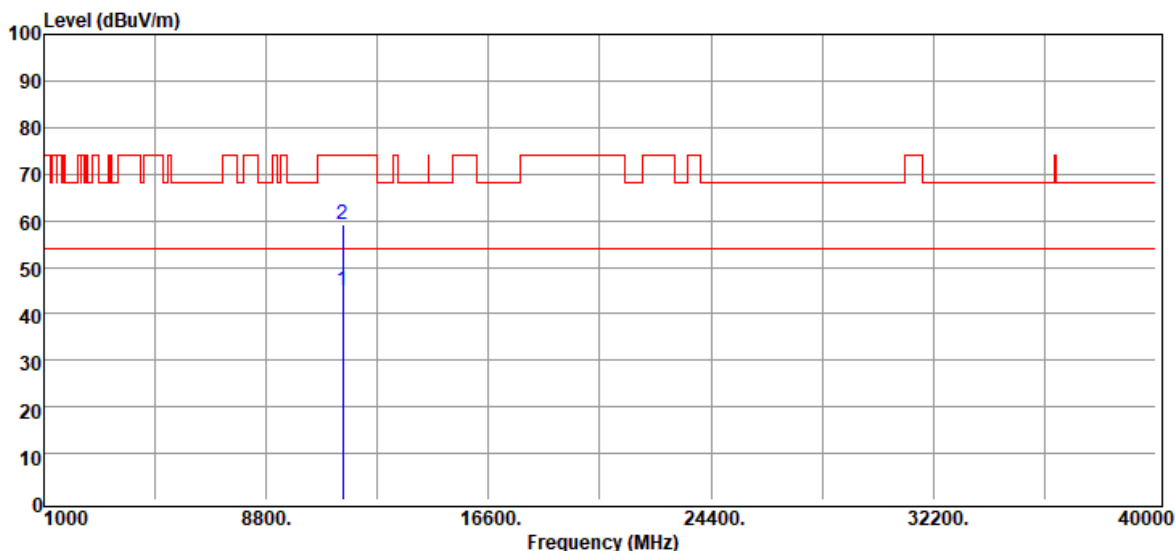
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 4
 Test Frequency :5745 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plan

Test Date :2020-01-15
 Temp./Humi. :22.7/51
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11490.00	Average	17.42	27.42	44.84	54.00	-9.16
11490.00	Peak	31.83	27.42	59.25	74.00	-14.75

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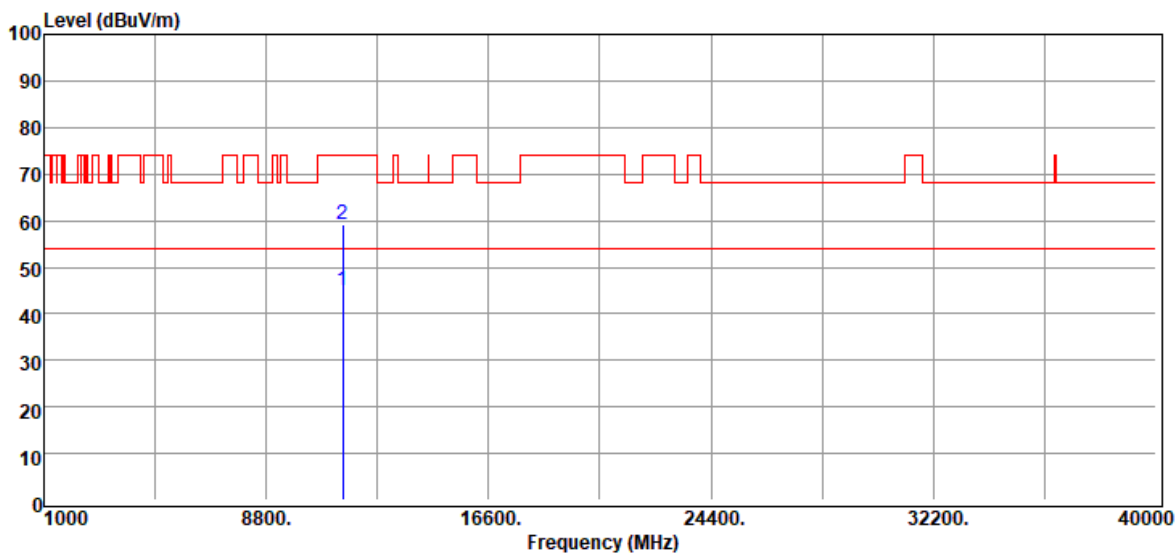
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 4
 Test Frequency :5745 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plan

Test Date :2020-01-15
 Temp./Humi. :22.7/51
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11490.00	Average	17.45	27.42	44.87	54.00	-9.13
11490.00	Peak	31.80	27.42	59.22	74.00	-14.78

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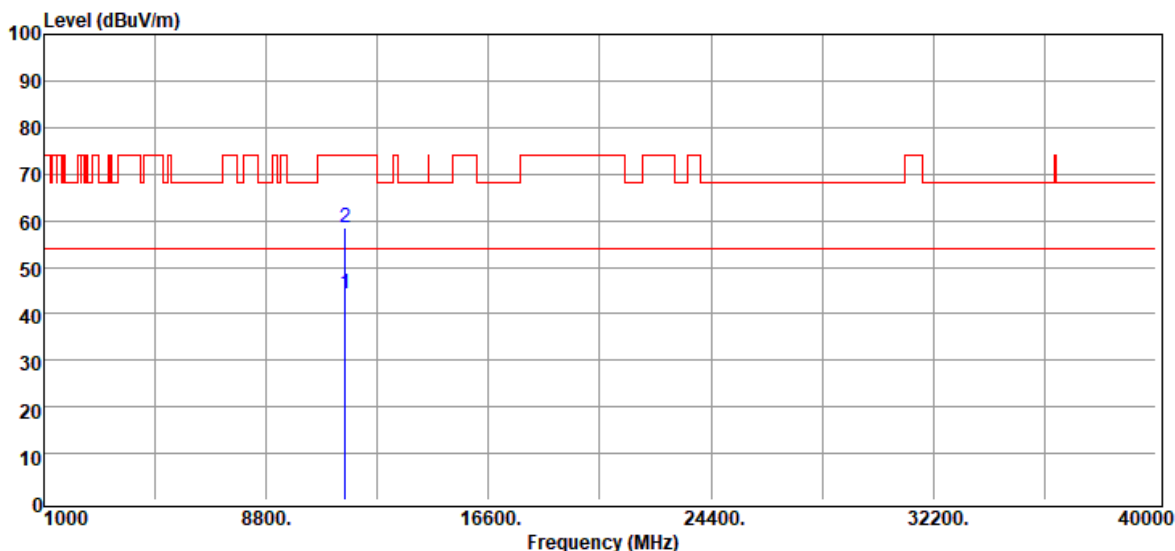
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 4
 Test Frequency :5785 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plan

Test Date :2020-01-15
 Temp./Humi. :22.7/51
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11570.00	Average	17.45	26.95	44.40	54.00	-9.60
11570.00	Peak	31.54	26.95	58.49	74.00	-15.51

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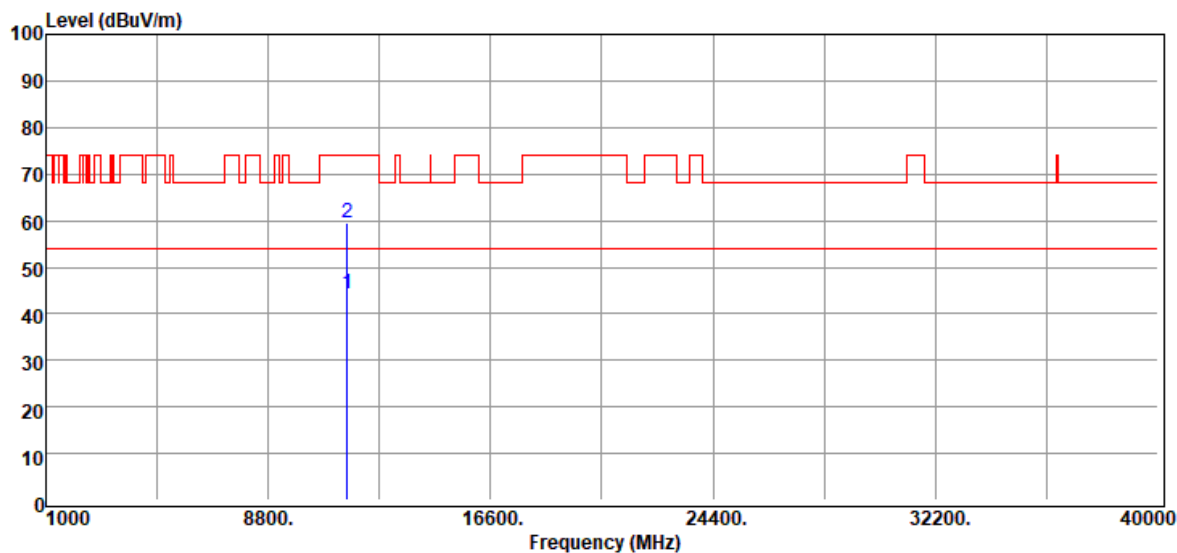
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 4
 Test Frequency :5785 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plan

Test Date :2020-01-15
 Temp./Humi. :22.7/51
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11570.00	Average	17.42	26.95	44.37	54.00	-9.63
11570.00	Peak	32.61	26.95	59.56	74.00	-14.44

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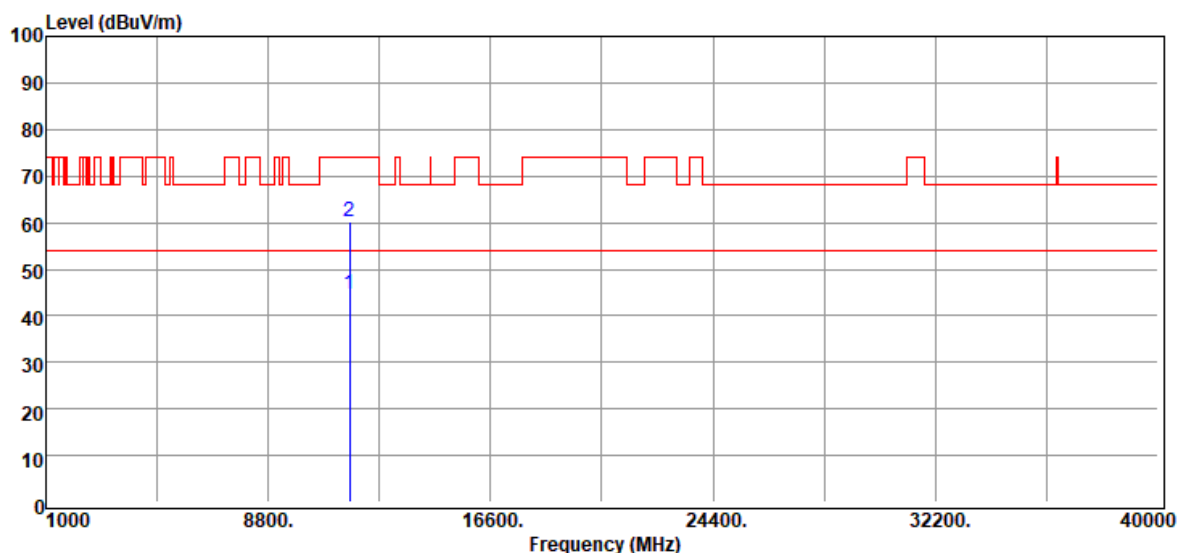
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Report Number :E2/2019/C0053
Operation Mode :802.11n20 / Band 4
Test Frequency :5825 MHz
Test Mode :TX CH HIGH
EUT Pol :H Plan

Test Date :2020-01-15
Temp./Humi. :22.7/51
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11650.00	Average	17.60	27.18	44.78	54.00	-9.22
11650.00	Peak	33.06	27.18	60.24	74.00	-13.76

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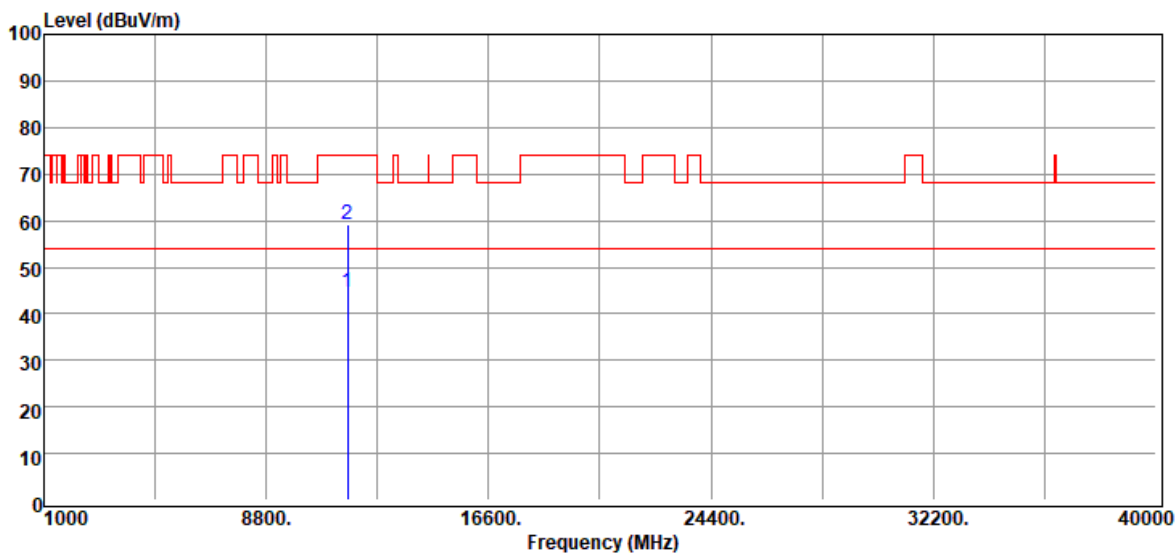
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Report Number :E2/2019/C0053
 Operation Mode :802.11n20 / Band 4
 Test Frequency :5825 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plan

Test Date :2020-01-15
 Temp./Humi. :22.7/51
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11650.00	Average	17.52	27.18	44.70	54.00	-9.30
11650.00	Peak	31.96	27.18	59.14	74.00	-14.86

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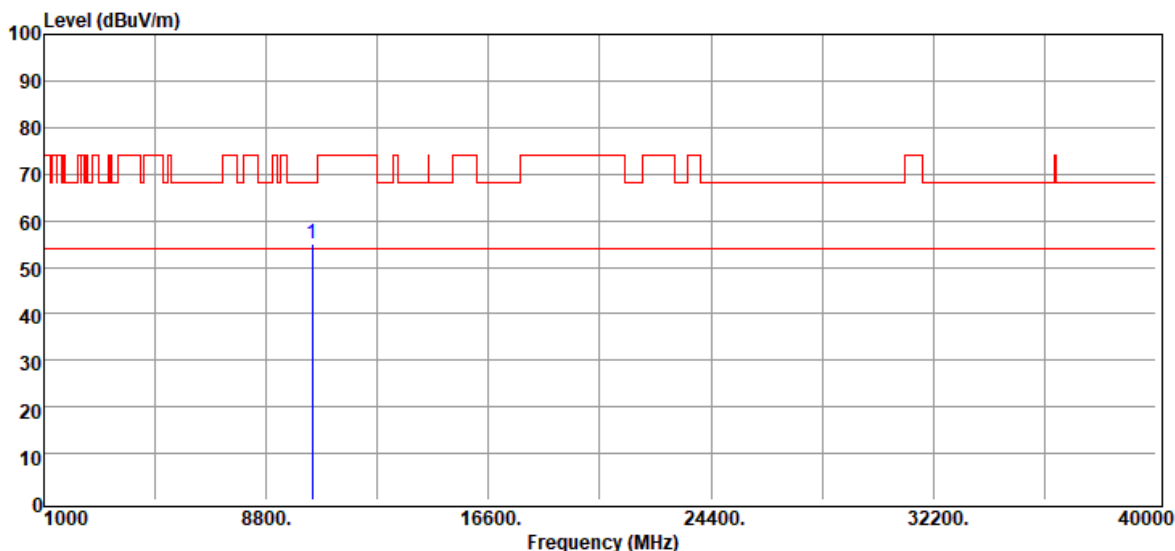
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Report Number :E2/2019/C0053
 Operation Mode :802.11n40 / Band 1
 Test Frequency :5190 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10420.00	Peak	29.37	25.75	55.12	68.20	-13.08

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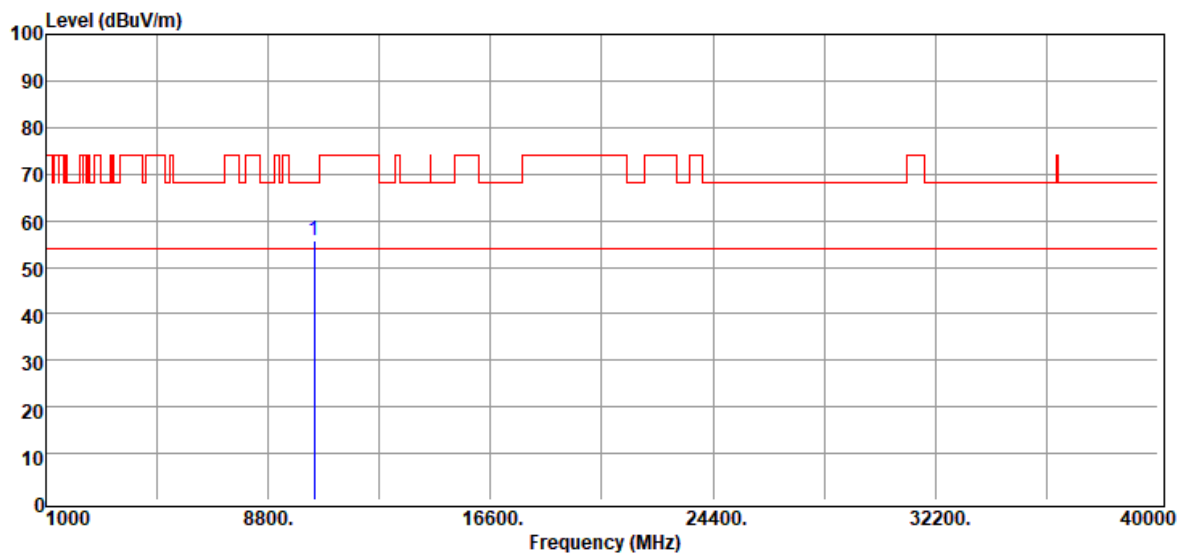
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Report Number :E2/2019/C0053
 Operation Mode :802.11n40 / Band 1
 Test Frequency :5190 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10420.00	Peak	29.80	25.75	55.55	68.20	-12.65

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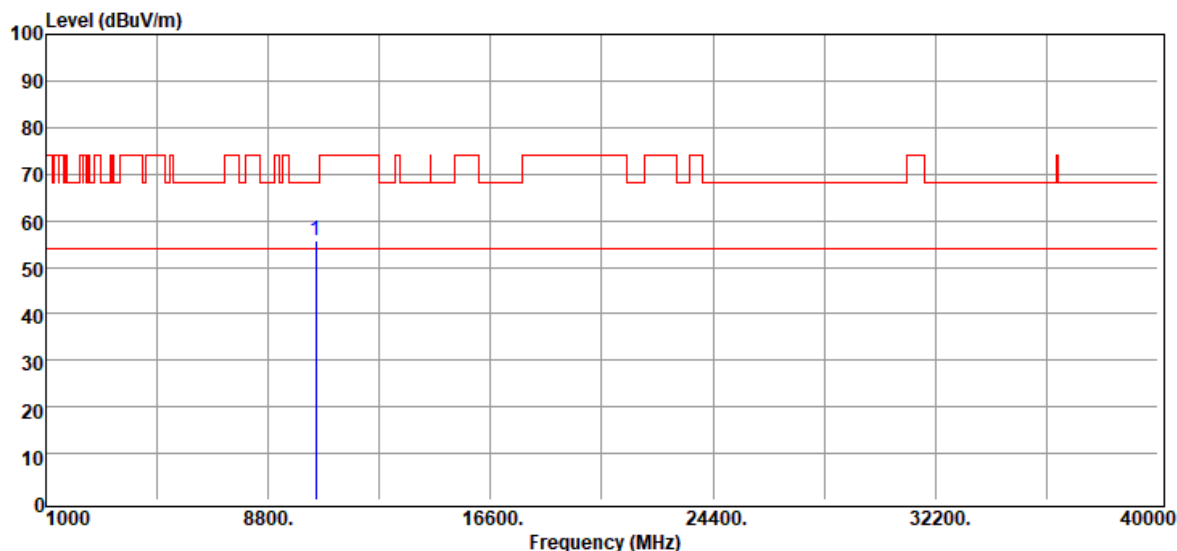
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Member of SGS Group

Report Number :E2/2019/C0053
 Operation Mode :802.11n40 / Band 1
 Test Frequency :5230 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10460.00	Peak	29.09	26.74	55.83	68.20	-12.37

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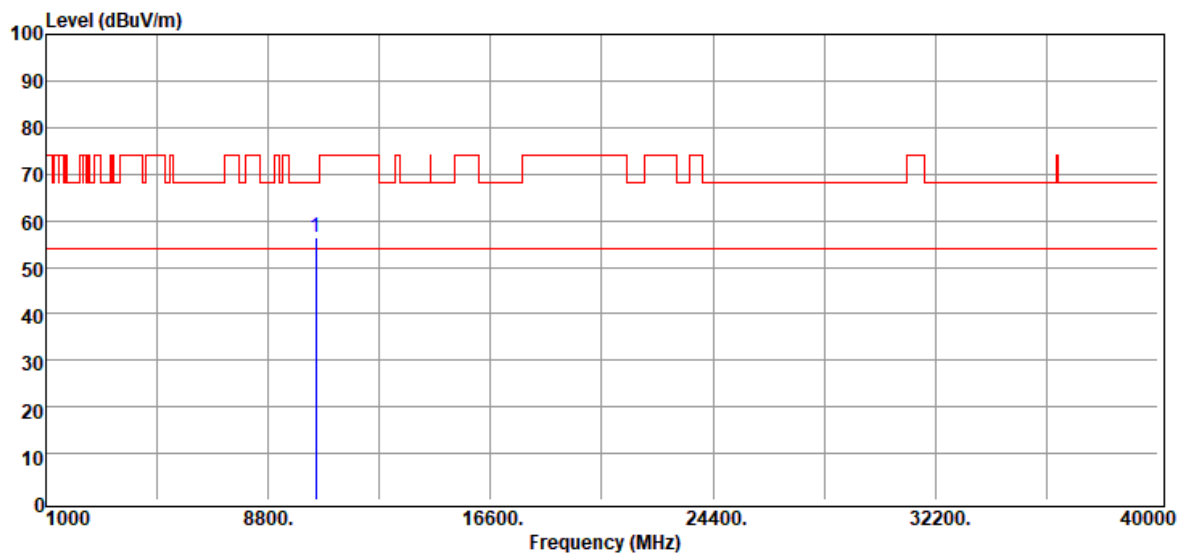
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Member of SGS Group

Report Number :E2/2019/C0053
 Operation Mode :802.11n40 / Band 1
 Test Frequency :5230 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10460.00	Peak	29.80	26.74	56.54	68.20	-11.66

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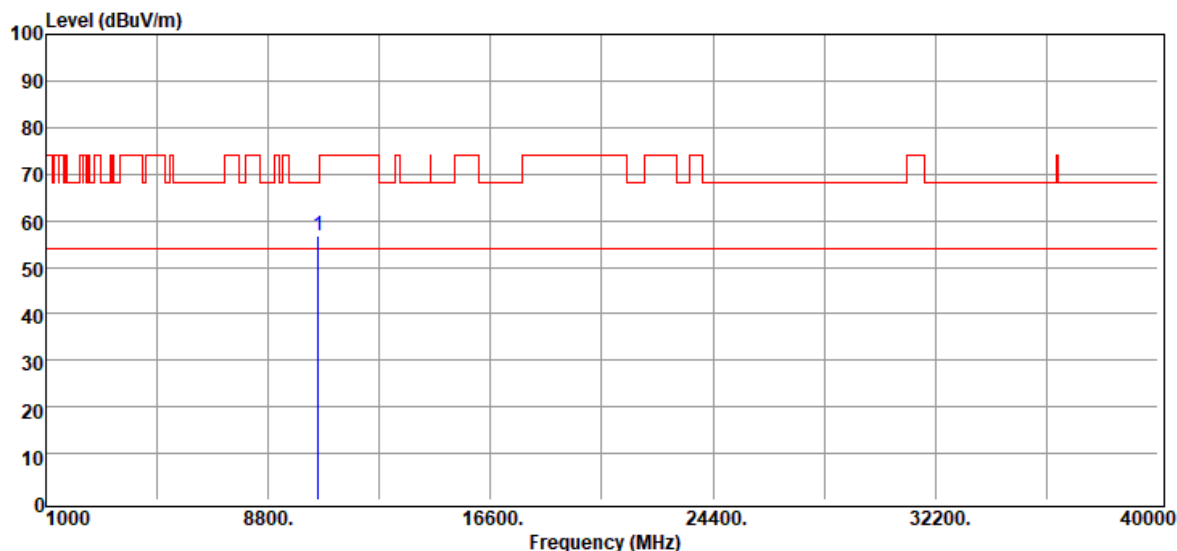
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Member of SGS Group

Report Number :E2/2019/C0053
 Operation Mode :802.11n40 / Band 2
 Test Frequency :5270 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10540.00	Peak	29.76	26.86	56.62	68.20	-11.58

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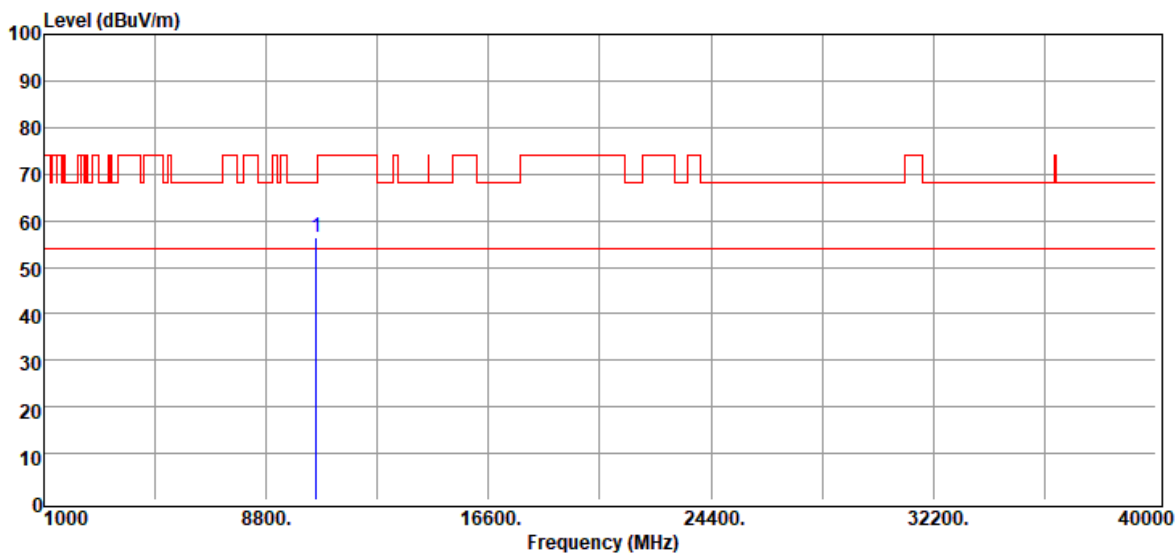
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Report Number :E2/2019/C0053
 Operation Mode :802.11n40 / Band 2
 Test Frequency :5270 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10540.00	Peak	29.47	26.86	56.33	68.20	-11.87

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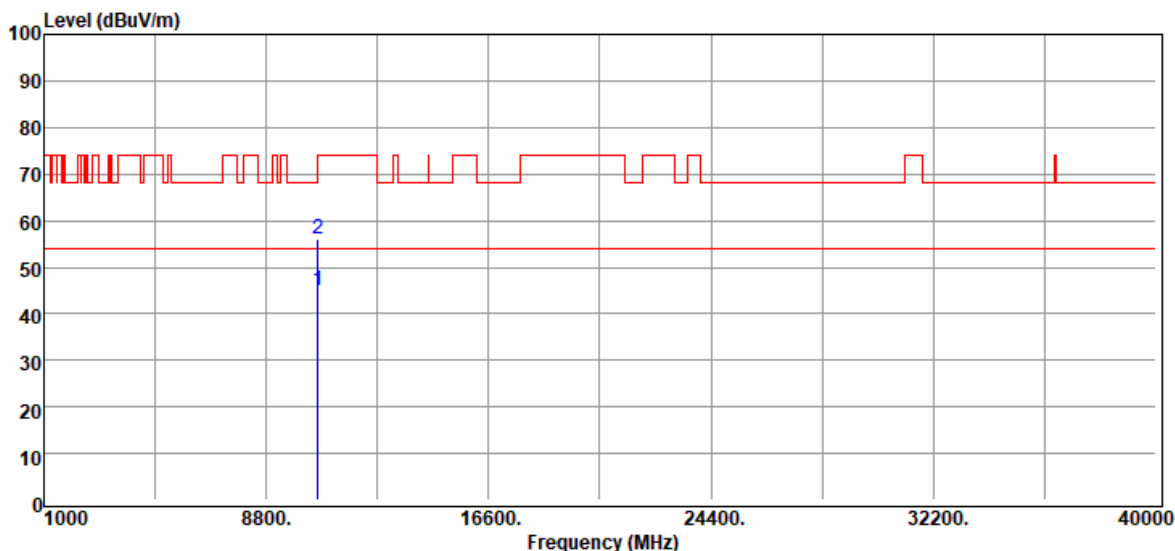
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Report Number :E2/2019/C0053
 Operation Mode :802.11n40 / Band 2
 Test Frequency :5310 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10620.00	Average	19.39	25.61	45.00	54.00	-9.00
10620.00	Peak	30.42	25.61	56.03	74.00	-17.97

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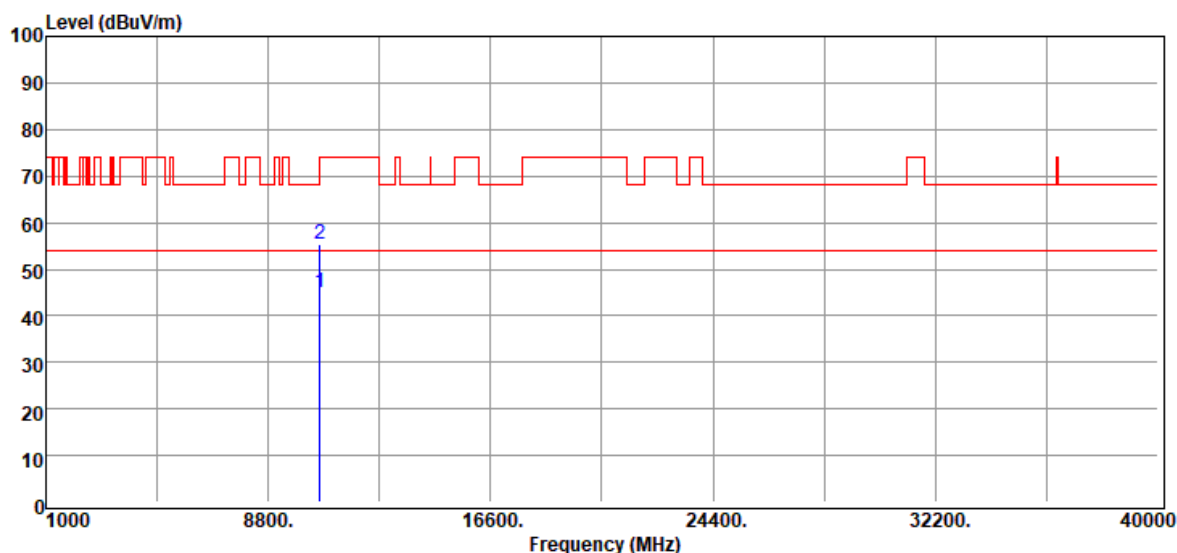
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Report Number :E2/2019/C0053
Operation Mode :802.11n40 / Band 2
Test Frequency :5310 MHz
Test Mode :TX CH HIGH
EUT Pol :H Plan

Test Date :2020-03-30
Temp./Humi. :25.1/59
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10620.00	Average	19.25	25.61	44.86	54.00	-9.14
10620.00	Peak	29.67	25.61	55.28	74.00	-18.72

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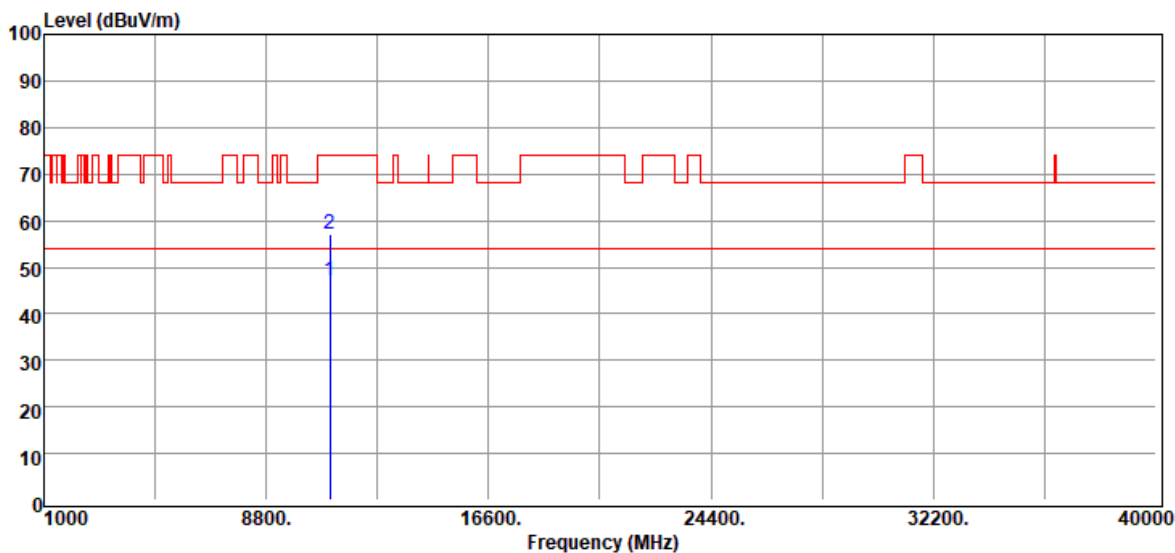
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Report Number :E2/2019/C0053
 Operation Mode :802.11n40 / Band 3
 Test Frequency :5510 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11020.00	Average	19.43	27.58	47.01	54.00	-6.99
11020.00	Peak	29.67	27.58	57.25	74.00	-16.75

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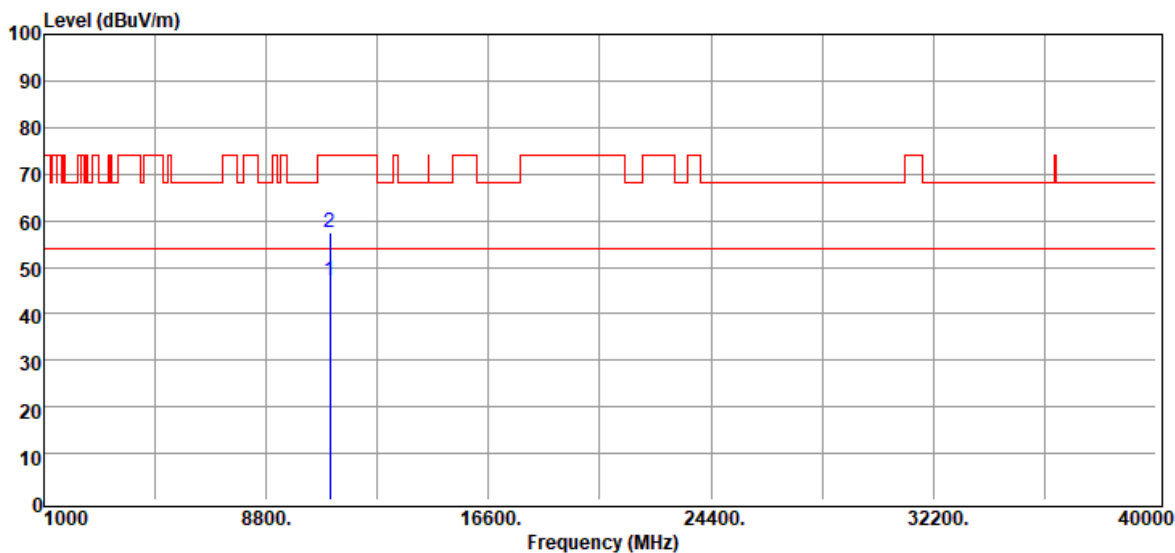
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Report Number :E2/2019/C0053
 Operation Mode :802.11n40 / Band 3
 Test Frequency :5510 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



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	19.34	27.58	46.92	54.00	-7.08
11020.00	Peak	30.03	27.58	57.61	74.00	-16.39

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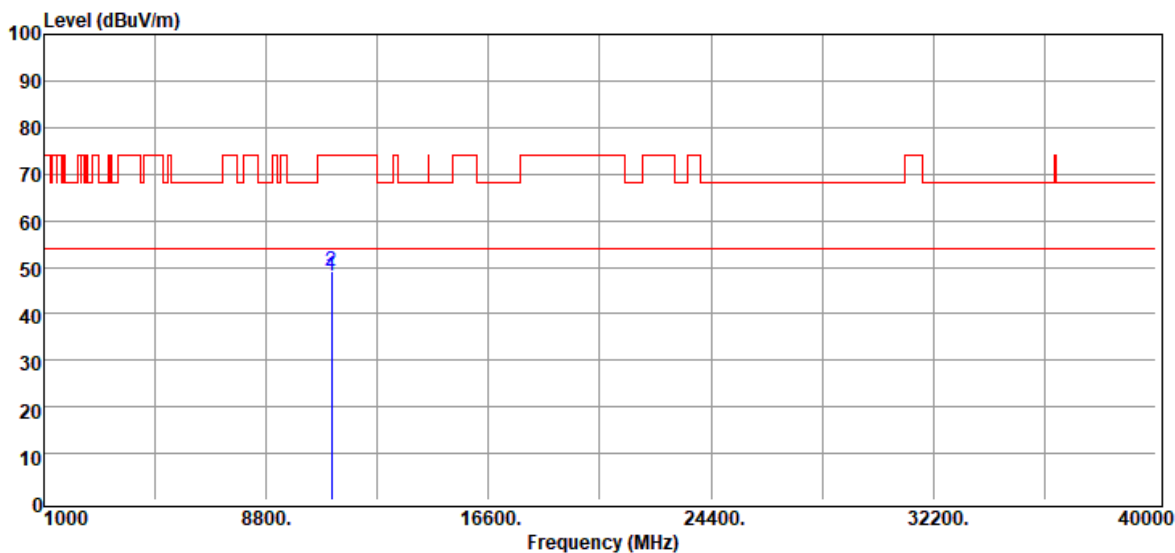
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Report Number :E2/2019/C0053
 Operation Mode :802.11n40 / Band 3
 Test Frequency :5550 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11100.00	Average	19.48	28.68	48.16	54.00	-5.84
11100.00	Peak	20.51	28.68	49.19	74.00	-24.81

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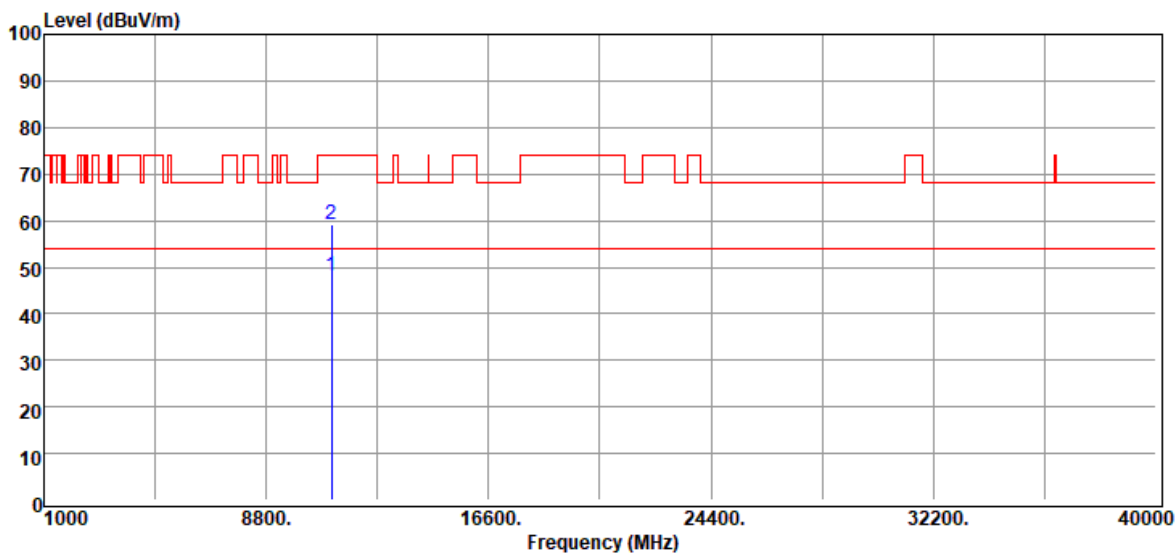
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Report Number :E2/2019/C0053
 Operation Mode :802.11n40 / Band 3
 Test Frequency :5550 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11100.00	Average	19.41	28.68	48.09	54.00	-5.91
11100.00	Peak	30.38	28.68	59.06	74.00	-14.94

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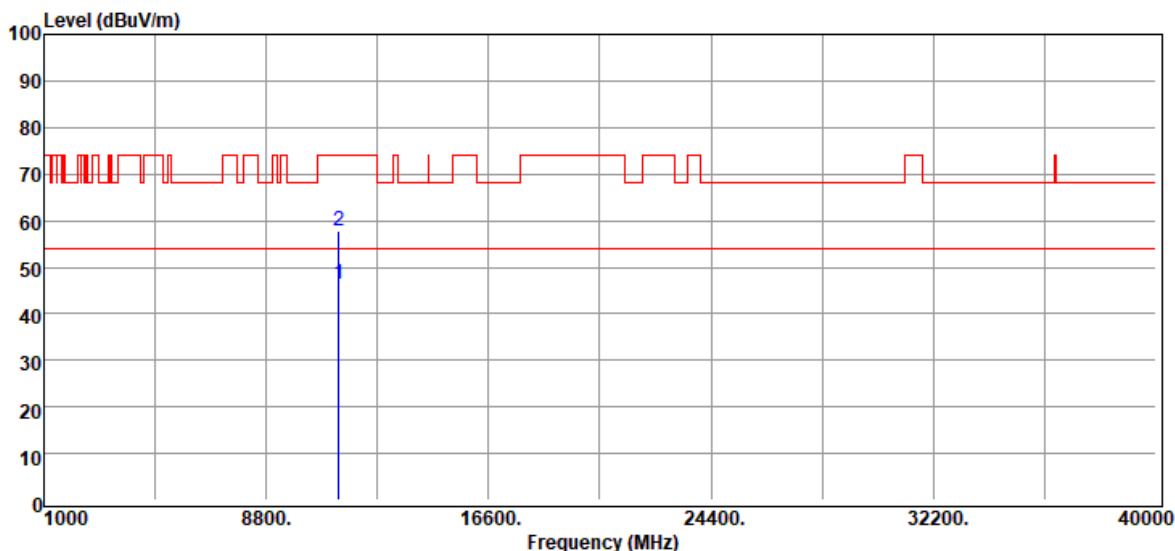
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Report Number :E2/2019/C0053
 Operation Mode :802.11n40 / Band 3
 Test Frequency :5670 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11340.00	Average	19.24	27.22	46.46	54.00	-7.54
11340.00	Peak	30.47	27.22	57.69	74.00	-16.31

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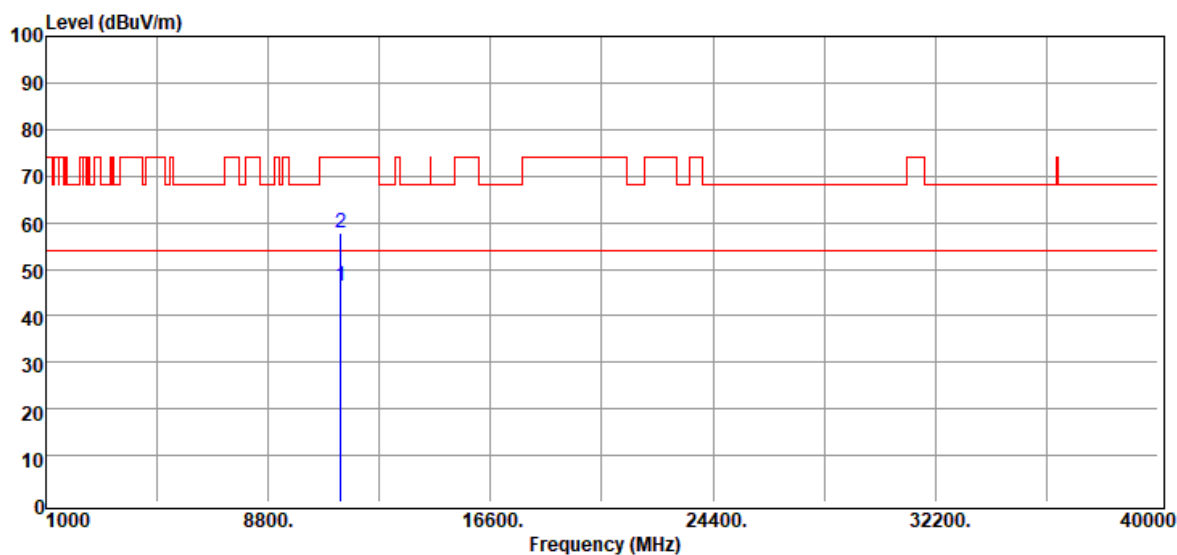
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Report Number :E2/2019/C0053
Operation Mode :802.11n40 / Band 3
Test Frequency :5670 MHz
Test Mode :TX CH HIGH
EUT Pol :H Plan

Test Date :2020-03-30
Temp./Humi. :25.1/59
Antenna Pol. :HORIZONTAL
Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11340.00	Average	19.32	27.22	46.54	54.00	-7.46
11340.00	Peak	30.50	27.22	57.72	74.00	-16.28

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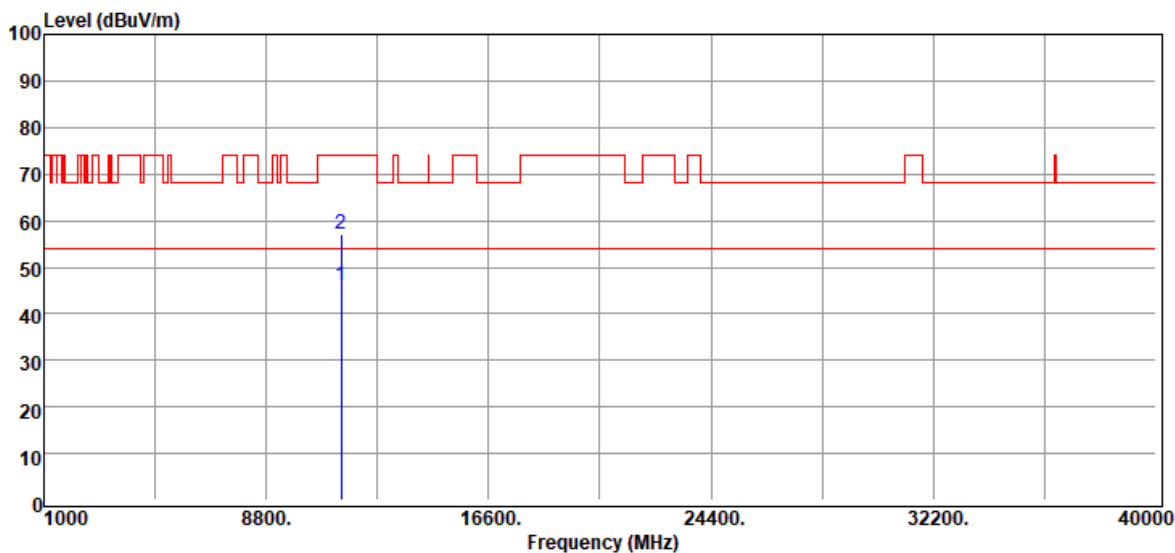
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Report Number :E2/2019/C0053
Operation Mode :802.11n40 / Band 3-4
Test Frequency :5710 MHz
Test Mode :TX CH 142
EUT Pol :H Plan

Test Date :2020-03-30
Temp./Humi. :25.1/59
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11420.00	Average	19.31	26.75	46.06	54.00	-7.94
11420.00	Peak	30.32	26.75	57.07	74.00	-16.93

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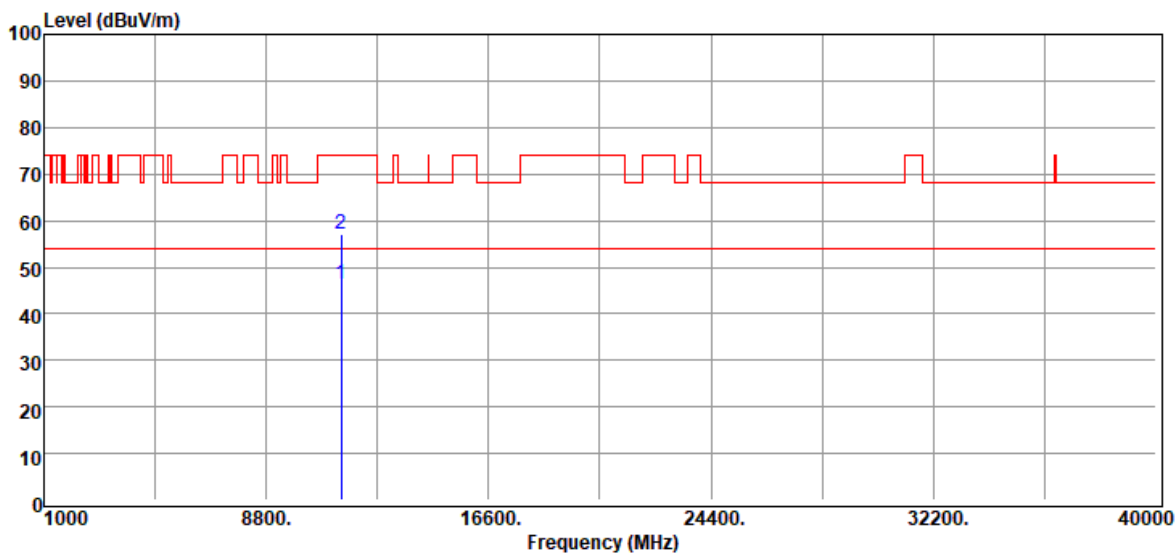
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Report Number :E2/2019/C0053
 Operation Mode :802.11n40 / Band 3-4
 Test Frequency :5710 MHz
 Test Mode :TX CH 142
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11420.00	Average	19.47	26.75	46.22	54.00	-7.78
11420.00	Peak	30.46	26.75	57.21	74.00	-16.79

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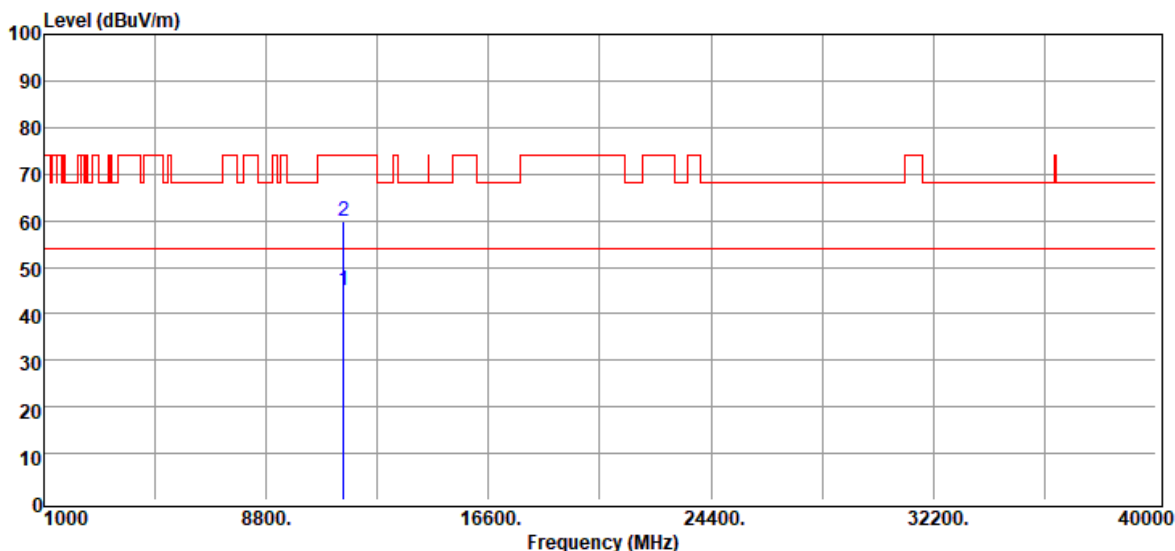
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Report Number :E2/2019/C0053
 Operation Mode :802.11n40 / Band 4
 Test Frequency :5755 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plan

Test Date :2020-01-15
 Temp./Humi. :22.7/51
 Antenna Pol. :VERTICAL
 Engineer :Enzo



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	17.50	27.46	44.96	54.00	-9.04
11510.00	Peak	32.53	27.46	59.99	74.00	-14.01

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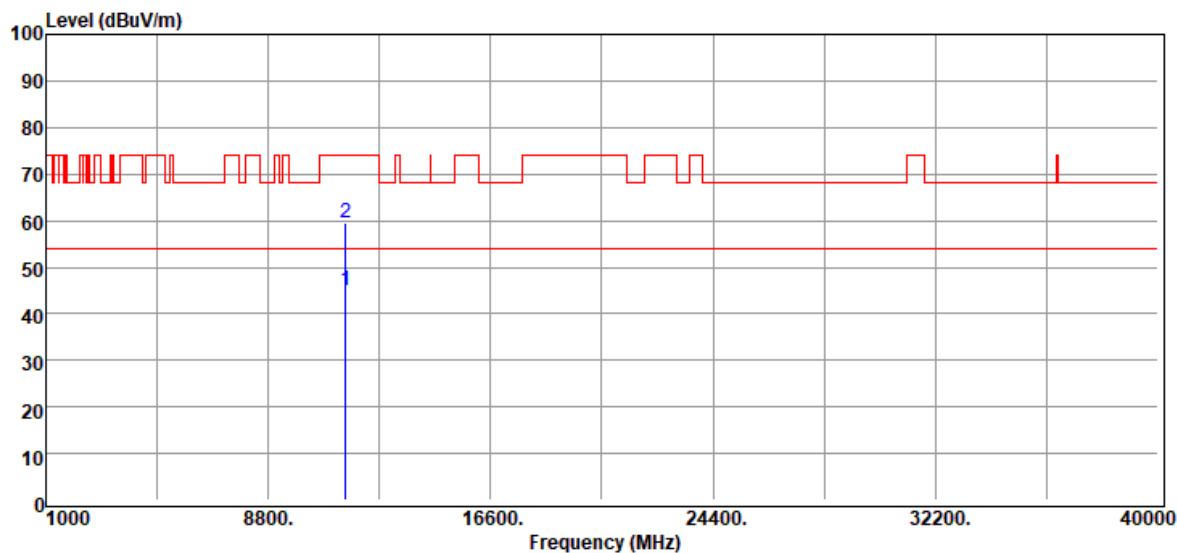
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Report Number :E2/2019/C0053
 Operation Mode :802.11n40 / Band 4
 Test Frequency :5755 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plan

Test Date :2020-01-15
 Temp./Humi. :22.7/51
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11510.00	Average	17.54	27.46	45.00	54.00	-9.00
11510.00	Peak	32.15	27.46	59.61	74.00	-14.39

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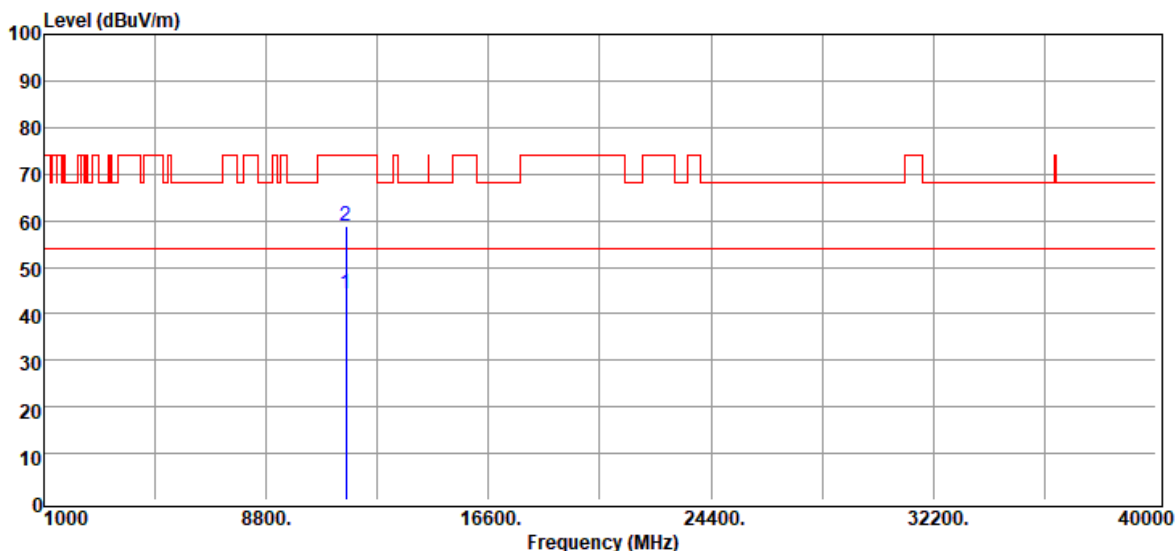
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Report Number :E2/2019/C0053
 Operation Mode :802.11n40 / Band 4
 Test Frequency :5795 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plan

Test Date :2020-01-15
 Temp./Humi. :22.7/51
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11590.00	Average	17.46	26.77	44.23	54.00	-9.77
11590.00	Peak	32.14	26.77	58.91	74.00	-15.09

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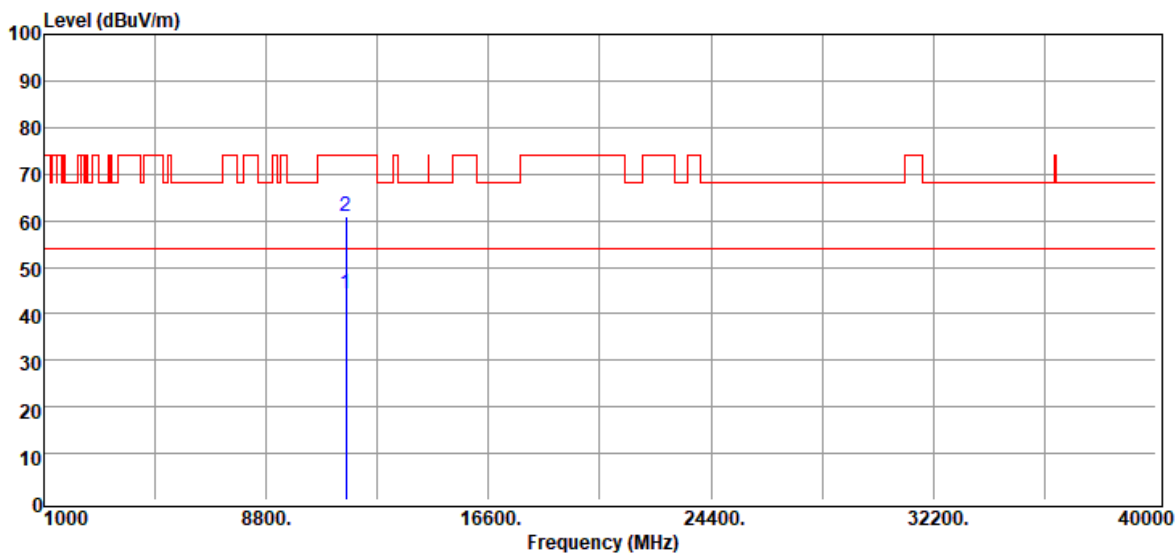
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Report Number :E2/2019/C0053
 Operation Mode :802.11n40 / Band 4
 Test Frequency :5795 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plan

Test Date :2020-01-15
 Temp./Humi. :22.7/51
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11590.00	Average	17.59	26.77	44.36	54.00	-9.64
11590.00	Peak	34.07	26.77	60.84	74.00	-13.16

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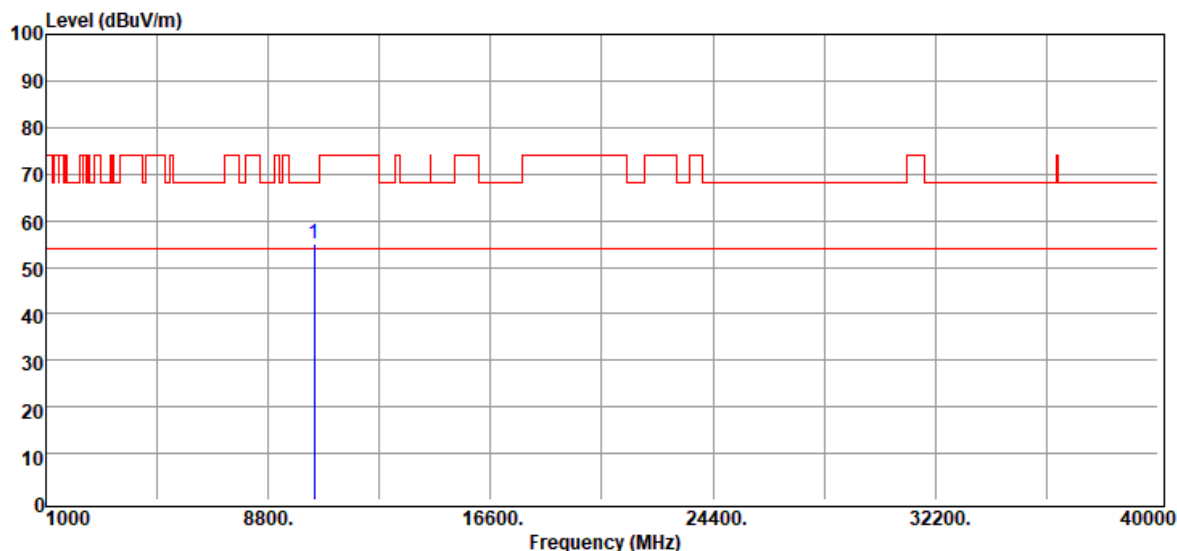
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Report Number :E2/2019/C0053
 Operation Mode :802.11ac80 / Band 1
 Test Frequency :5210 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10420.00	Peak	29.33	25.75	55.08	68.20	-13.12

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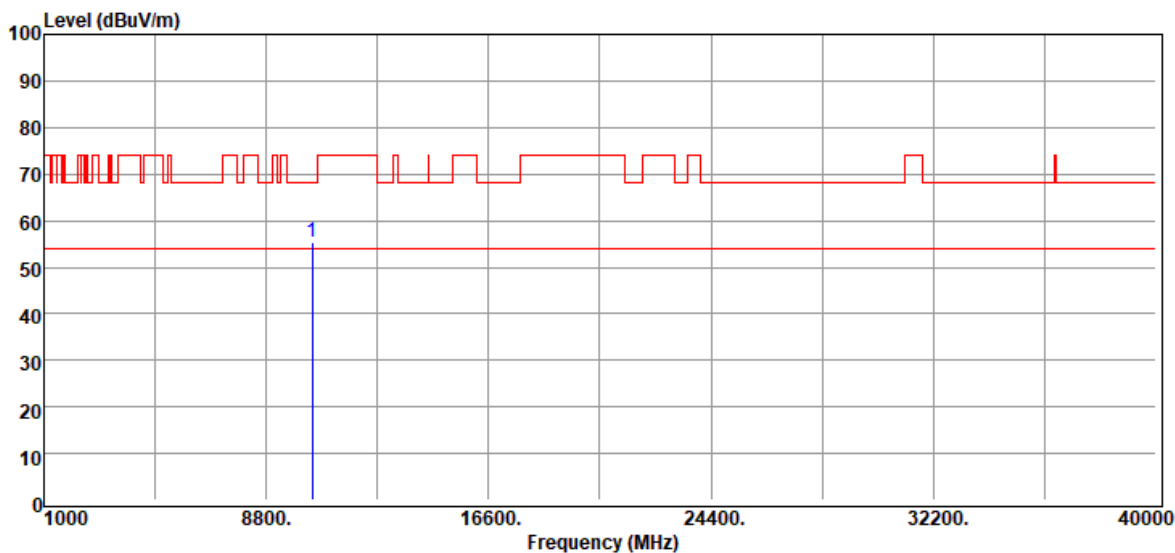
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Report Number :E2/2019/C0053
 Operation Mode :802.11ac80 / Band 1
 Test Frequency :5210 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10420.00	Peak	29.53	25.75	55.28	68.20	-12.92

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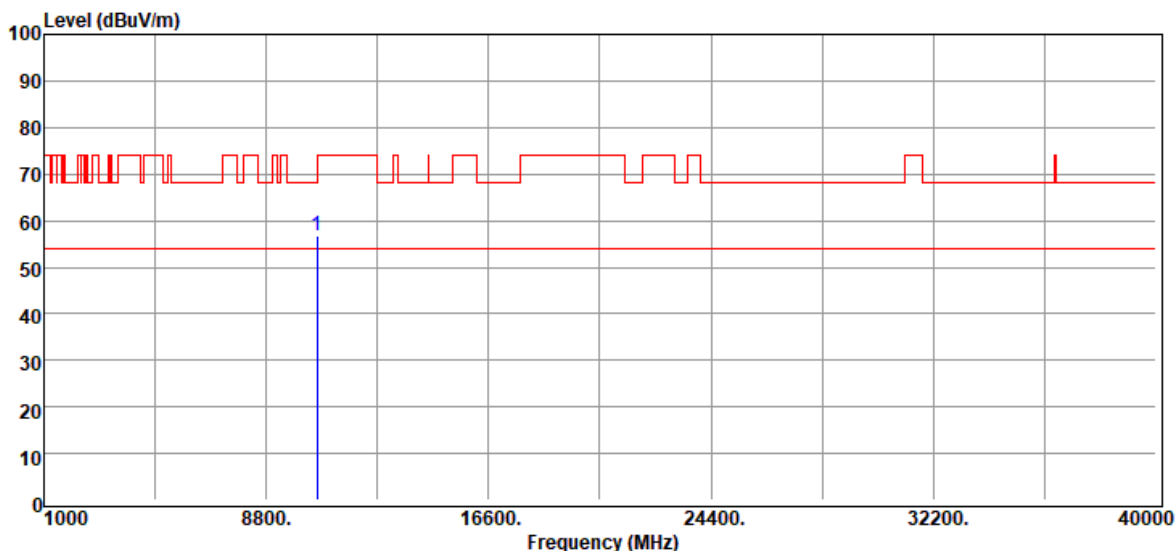
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Report Number :E2/2019/C0053
 Operation Mode :802.11ac80 / Band 2
 Test Frequency :5290 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10580.00	Peak	30.65	25.98	56.63	68.20	-11.57

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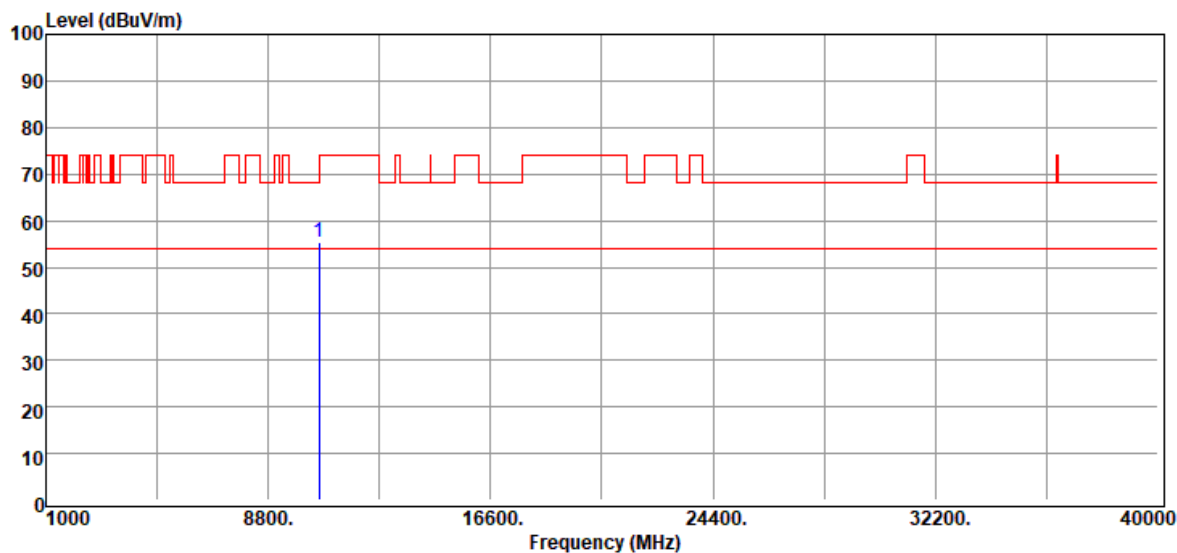
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Report Number :E2/2019/C0053
 Operation Mode :802.11ac80 / Band 2
 Test Frequency :5290 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10580.00	Peak	29.38	25.98	55.36	68.20	-12.84

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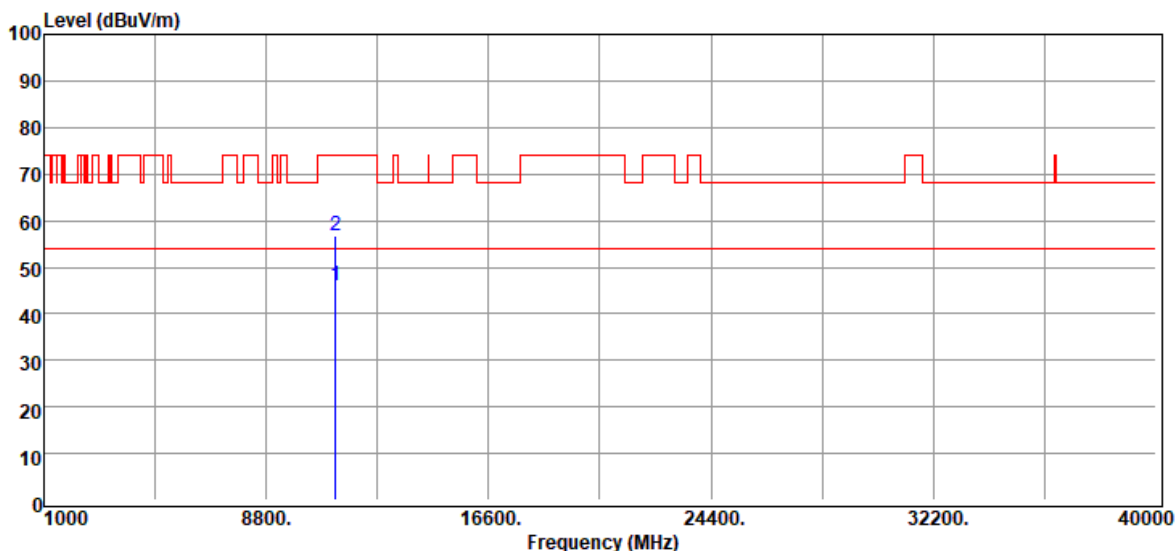
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Report Number :E2/2019/C0053
 Operation Mode :802.11ac80 / Band 3
 Test Frequency :5610 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :VERTICAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11220.00	Average	19.34	26.85	46.19	54.00	-7.81
11220.00	Peak	29.98	26.85	56.83	74.00	-17.17

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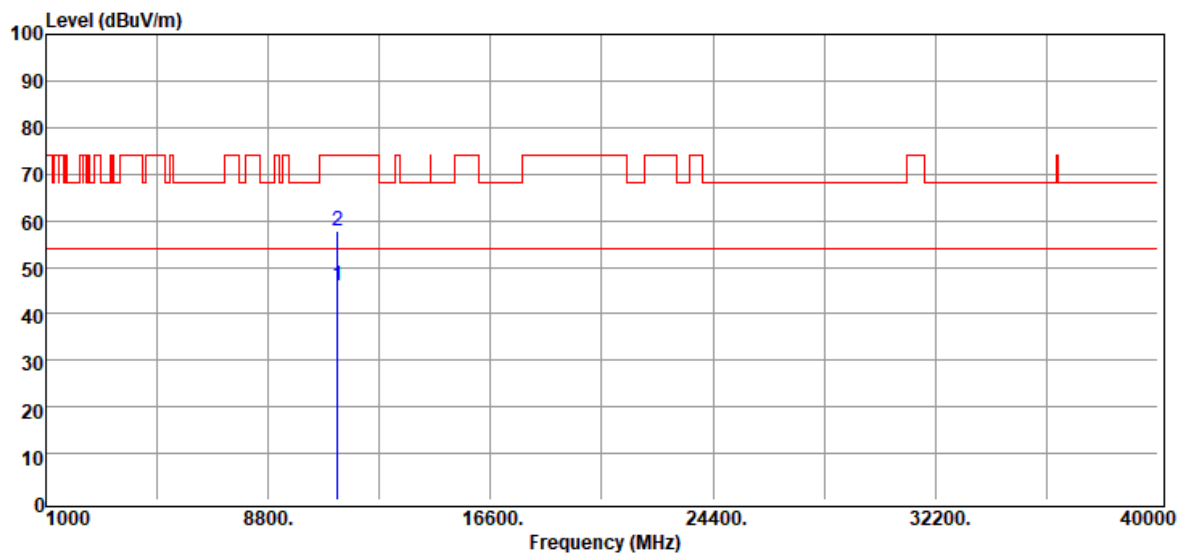
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Report Number :E2/2019/C0053
 Operation Mode :802.11ac80 / Band 3
 Test Frequency :5610 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plan

Test Date :2020-03-30
 Temp./Humi. :25.1/59
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11220.00	Average	19.29	26.85	46.14	54.00	-7.86
11220.00	Peak	31.03	26.85	57.88	74.00	-16.12

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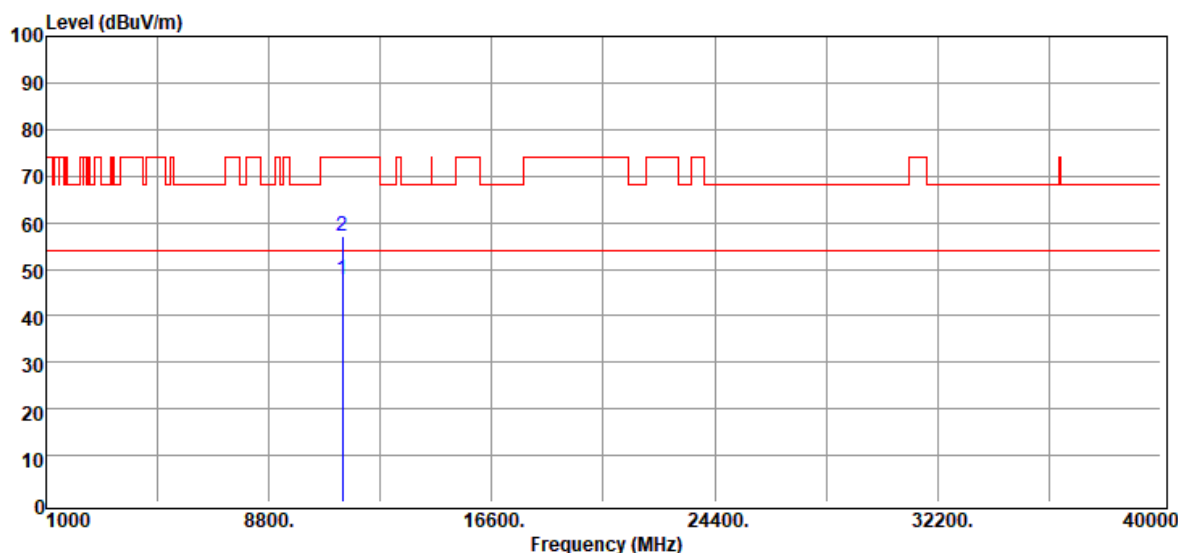
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Report Number :E2/2019/C0053
Operation Mode :802.11ac80 / Band 3
Test Frequency :5690 MHz
Test Mode :TX CH HIGH
EUT Pol :H Plan

Test Date :2020-03-31
Temp./Humi. :22.2/62
Antenna Pol. :VERTICAL
Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11380.00	Average	20.83	26.76	47.59	54.00	-6.41
11380.00	Peak	30.27	26.76	57.03	74.00	-16.97

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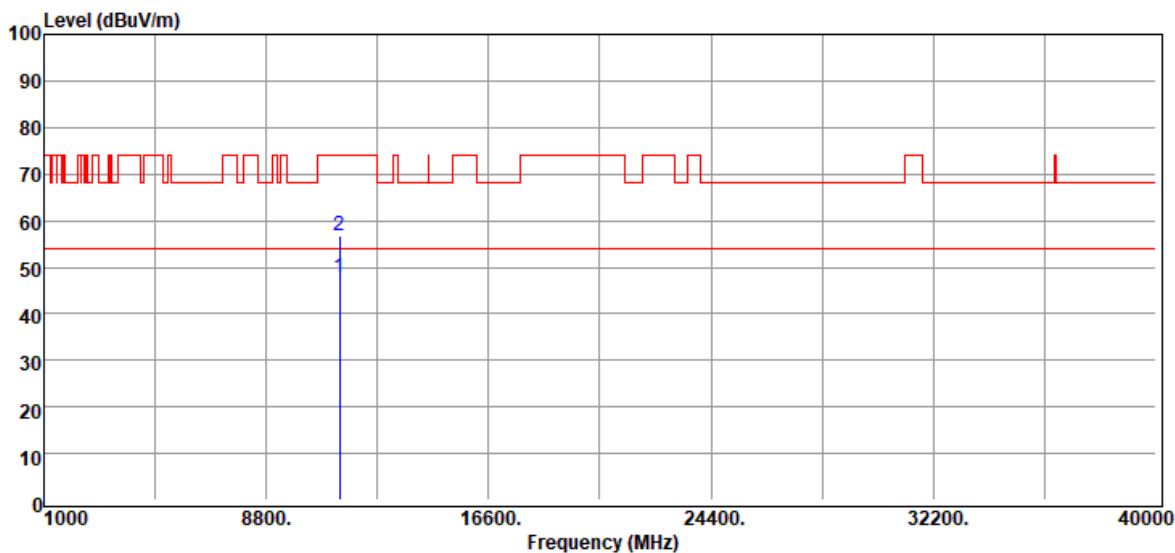
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Report Number :E2/2019/C0053
 Operation Mode :802.11ac80 / Band 3
 Test Frequency :5690 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plan

Test Date :2020-03-31
 Temp./Humi. :22.2/62
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11380.00	Average	21.12	26.76	47.88	54.00	-6.12
11380.00	Peak	29.90	26.76	56.66	74.00	-17.34

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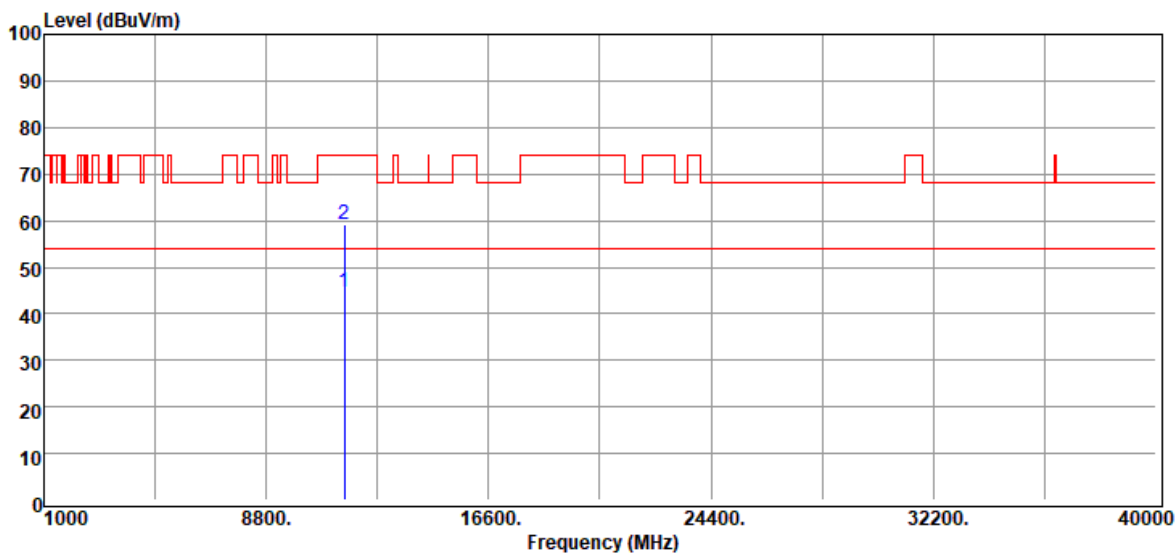
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Report Number :E2/2019/C0053
Operation Mode :802.11ac80 / Band 4
Test Frequency :5775 MHz
Test Mode :TX CH LOW
EUT Pol :H Plan

Test Date :2020-01-15
Temp./Humi. :22.7/51
Antenna Pol. :VERTICAL
Engineer :Enzo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11550.00	Average	17.52	27.11	44.63	54.00	-9.37
11550.00	Peak	32.04	27.11	59.15	74.00	-14.85

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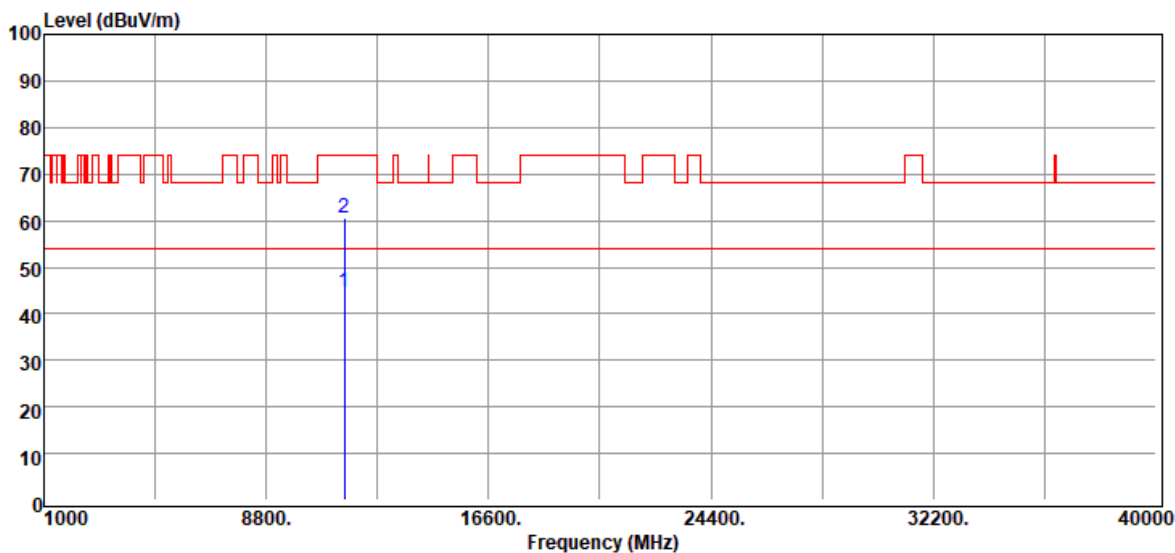
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Report Number :E2/2019/C0053
 Operation Mode :802.11ac80 / Band 4
 Test Frequency :5775 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plan

Test Date :2020-01-15
 Temp./Humi. :22.7/51
 Antenna Pol. :HORIZONTAL
 Engineer :Enzo



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	17.61	27.11	44.72	54.00	-9.28
11550.00	Peak	33.42	27.11	60.53	74.00	-13.47

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8 ANTENNA REQUIREMENT

8.1 Standard Applicable

For intentional device, according to §15.203, an intentional radiator shall be designed to ensure that no antenna other than furnished by the responsible party shall be used with the device.

If the transmitting antenna is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi.

8.2 Antenna Connected Construction

The antenna is designed as permanently attached and no consideration of replacement. Please see EUT photo for details.

~ End of Report ~

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