

**ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT****CLASS II & IV PC REPORT**

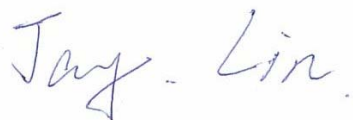
OF

**FCC Applicant:** HP INC.  
1501 PAGE MILL ROAD PALO ALTO, CA 94304, USA  
**Product Name:** 7c Modular Platform  
**Brand Name:** HP  
**Model No.:** QSIP7180P  
**Model Difference:** N/A  
**Report Number:** E2/2021/10092  
**FCC Rule Part:** §15.407, Cat: U-NII  
**FCC ID** B94-TNH101QSP  
**IC** 466X-TNH101QSP  
**ISED RSS:** RSS-247 issue 2 Feb. 2017  
**Issue Date:** March 22, 2021  
**Date of Test:** February 5, 2021 - March 19, 2021  
**Date of EUT Re-  
ceived:** February 5, 2021

**We hereby certify that:**

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10: 2013 and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits.

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

**Approved By:****Jay Lin / Asst. Supervisor**

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## Revision History

Report Number	Revision	Description	Issue Date	Revised By
E2/2021/10092	Rev.00	Original.	March 22, 2021	Tiffany Kao

**Note:**

## 1、Disclaimer

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

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## 1 GENERAL INFORMATION

### 1.1 Product Description

Product Name of Host:	Notebook Computer
Brand Name:	HP
Model No. of Host:	TPN-H101
Model Difference:	N/A
Hardware Version:	N/A
Software Version:	N/A
Model No. of BT/WLAN Module:	QSIP7180P
Class II & Class IV Permissive change:	7c Modular Platform INSTALLED IN Notebook Computer
Power Supply:	7.7Vdc from Rechargeable Li-ion Battery or 5 / 9 / 12 / 15 Vdc from AC/DC Adapter
Transition Rate:	802.11 a: 6/9/12/18/24/36/48/54 Mbps 802.11 n_20MHz: 6.5 – 144.4Mbps 802.11 n_40MHz: 13.5 – 300.0Mbps 802.11 ac_20MHz: 6.5 –173.3Mbps 802.11 ac_40MHz: 13.5 –400.0Mbps 802.11 ac_80MHz: 29.3 – 866.7Mbps

### 1.2 Antenna Designation

Antenna Type	Supplier	TX1 / TX2	Antenna Part No.	Freq. (MHz)	Peak Antenna Gain (dBi)	Worst Antenna Gain
PIFA	Inpaq	TX1	WA-P-LB-02-838	5150~5250	0.34	V
				5250~5350	-0.91	V
				5470~5725	-1.36	
				5725~5850	-1.79	
		TX2	WA-P-LB-02-839	5150~5250	-0.39	
				5250~5350	-1.12	
				5470~5725	0.61	V
				5725~5850	0.58	V

Note: Pre-scanned was done on the above 2 antennas, main antenna results higher emission at 5GHz B1 and B2 and aux antenna results higher emission at 5GHz B3 and B4. Therefore, the completed set of measurement was done on the antenna to be presented on this test report.

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### 1.3 FCC

Wi-Fi 802.11	Frequency Range	Channels	Rated Power (Avg.) (dBm) (Worst case)	Modulation Technology
a	5150~5250	4	21.41	OFDM
	5250~5350	4	21.13	
	5470~5725	12	20.68	
	5725~5850	5	20.74	
n_HT ac_VHT 20M	5150~5250	4	HT: 20.91	OFDM
	5250~5350	4	HT: 20.82	
	5470~5725	12	HT: 20.67	
	5725~5850	5	HT: 20.84	
n_HT ac_VHT 40M	5150~5250	2	HT: 20.64	OFDM
	5250~5350	2	HT: 20.81	
	5470~5725	5	HT: 20.90	
	5725~5850	2	HT: 20.73	
ac_VHT 80M	5150~5250	1	15.30	OFDM
	5250~5350	1	13.73	
	5470~5725	2	20.73	
	5725~5850	1	20.62	

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## 1.4 ISED

IEEE 802.11	Frequency Range (MHz)	Channels	Avg. or EIRP	Rated Power(dBm) (Worst Case)	Modulation Technology
a	5150~5250	4	EIRP	16.97	OFDM
	5250~5350	4	Avg.	21.13	
	5470~5725	9	Avg.	20.68	
	5725~5850	5	Avg.	20.74	
n_HT ac_VHT 20M	5150~5250	4	EIRP	HT: 17.41	OFDM
	5250~5350	4	Avg.	HT: 20.82	
	5470~5725	9	Avg.	HT: 20.67	
	5725~5850	5	Avg.	HT: 20.84	
n_HT ac_VHT 40M	5150~5250	2	EIRP	HT: 19.62	OFDM
	5250~5350	2	Avg.	HT: 20.81	
	5470~5725	4	Avg.	HT: 20.90	
	5725~5850	2	Avg.	HT: 20.73	
ac_VHT 80M	5150~5250	1	EIRP	18.48	OFDM
	5250~5350	1	Avg.	13.73	
	5470~5725	2	Avg.	20.73	
	5725~5850	1	Avg.	20.62	

**Note:**

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

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## 1.5 Test Methodology of Applied Standards

FCC Part 15, Subpart E §15.407

FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

RSS-247 issue 2 Feb. 2017

RSS-Gen. issue 5, Amendment 1, March 2019

ANSI C63.10:2013

## 1.6 Test Facility

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

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

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## 1.7 Special Accessories

There are no special accessories used while test was conducted.

## 1.8 Equipment Modifications

There was no modification incorporated into the EUT.

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## 2 SYSTEM TEST CONFIGURATION

### 2.1 EUT Configuration

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

### 2.2 EUT Exercise

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

### 2.3 Test Procedure

#### 2.3.1 Conducted Test (RF)

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

#### 2.3.2 Radiated Emissions

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

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## 2.4 Measurement Results Explanation Example

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

Radiated emission below 30MHz is measured in a 9m\*9m\*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

### 2.4.2 For all conducted test items:

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

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## 2.5 Configuration of Tested System

Fig. 2-1 Radiated Emission

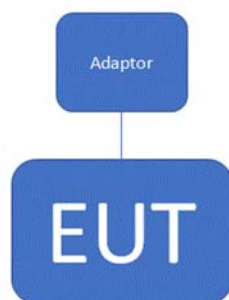


Fig. 2-2 Conducted (Antenna Port)

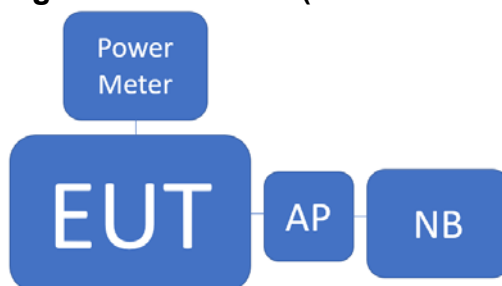


Table 2-1 Equipment Used in Tested System

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Data Cable	Power Cord
1.	WLAN Test Software	N/A	N/A	N/A	N/A	N/A
2.	Adapter	Lite-On	TPN-LA19	N/A	N/A	N/A
3.	AP	ASUS	RT-N66U	N/A	N/A	N/A
4.	Notebook	Lenovo	L430	P0000195	N/A	N/A

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### 3 SUMMARY OF TEST RESULT

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

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## 4 DESCRIPTION OF TEST MODES

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

#### Operated band in 5150 MHz ~5250 MHz:

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

#### Operated band in 5250 MHz ~5350 MHz

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

#### Operated band in 5470 MHz ~5725 MHz:

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

#### Operated band in 5745 MHz ~5850 MHz

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

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

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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 gevin UE is pre-scanned among below modes.

Modulation	Transmission Chain				Single Transmission Spatial	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"/> 1TX	<input checked="" type="checkbox"/> 2TX
<input checked="" type="checkbox"/> 802.11 n	<input checked="" type="checkbox"/> Ch0	<input checked="" type="checkbox"/> Ch1	<input type="checkbox"/> Ch2	<input type="checkbox"/> Ch3	<input type="checkbox"/> SISO	<input checked="" type="checkbox"/> MIMO
<input checked="" type="checkbox"/> 802.11 ac	<input checked="" type="checkbox"/> Ch0	<input checked="" type="checkbox"/> Ch1	<input type="checkbox"/> Ch2	<input type="checkbox"/> Ch3	<input type="checkbox"/> SISO	<input checked="" type="checkbox"/> MIMO

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

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#### 4.2.1 RADIATED EMISSION TEST:

RADIATED EMISSION TEST (BELOW 1 GHz)						
MODE	FREQUENCY BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	AN-TENNA PORT
802.11a	5180~5240	36 to 48	40	OFDM	6	2TX
	5260~5320	52 to 64	60			
	5500~5720	100 to 144	116			
	5745~5825	149 to 165	157			
802.11ac_VHT80	5210	42	42		MCS0	MIMO
	5290	58	58			
	5530~5690	106 to 138	122			
	5775	155	155			
RADIATED EMISSION TEST (ABOVE 1 GHz)						
MODE	FREQUENCY BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	AN-TENNA PORT
802.11a	5180~5240	36 to 48	36,44,48	OFDM	6	2TX
	5260~5320	52 to 64	52, 60,64			
	5500~5720	100 to 144	100,116,140,			
	5745~5825	149 to 165	149,157,165			
802.11n_HT20	5180~5240	36 to 48	36,44,48		MCS8	MIMO
	5260~5320	52 to 64	52, 60,64			
	5500~5720	100 to 144	100,116,140,			
	5745~5825	149 to 165	149,157,165			
802.11n_HT40	5190~5230	38 to 46	38,46		MCS8	MIMO
	5270~5310	54 to 62	54,62			
	5510~5710	102 to 142	102,110,134			
	5755~5795	151 to 159	151,159			
802.11ac_VHT80	5210	42	42		MCS0	MIMO
	5290	58	58			
	5530~5690	106 to 138	106,122,138			
	5775	155	155			

#### Note:

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

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#### 4.2.2 ANTENNA PORT CONDUCTED MEASUREMENT:

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

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## 5 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty
The Maximum Output Power Measurement	+/- 1 dB
Temperature	+/- 0.4 °C
Humidity	+/- 3.5 %
DC / AC Power Source	DC= +/- 1%, AC= +/- 1%

Radiated Spurious Emission Measurement Uncertainty			
Polarization: Vertical	+/- 2.64 dB	9kHz~30MHz: +/- 2.3dB	
	+/- 4.93 dB	30MHz - 1000MHz: +/- 3.37dB	
	+/- 4.81 dB	1GHz - 18GHz: +/- 4.04dB	
	+/- 4.52 dB	18GHz - 40GHz: +/- 4.04dB	
Polarization: Horizontal	+/- 2.64 dB	9kHz~30MHz: +/- 2.3dB	
	+/- 4.45 dB	30MHz - 1000MHz: +/- 4.22dB	
	+/- 4.81 dB	1GHz - 18GHz: +/- 4.08dB	
	+/- 4.52 dB	18GHz - 40GHz: +/- 4.08dB	

### Note:

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

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## 6 MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

### 6.1 Standard Applicable

#### FCC

OPERZTION Band	EUT CATEGORY		LIMIT
U-NII-1		Access Point (Master device )	1 Watt(30dBm)
		Fixed point-to-point Access Ponit	1 Watt(30dBm)
	√	Mobile and portable client device	250mW(23.98dBm)
U-NII-2A	√		250mW(23.98dBm) or 11dBm+10 log B
U-NII-2C	√		250mW(23.98dBm) or 11dBm+10 log B
U-NII-3	√		1 Watt(30dBm)
If transmitting antennas of directional gain greater than 6 dBi are used, the Maximum transmit power shall be reduced by the amount in dB that the direction-al gain of the antenna exceeds 6 dBi.			

#### ISED

OPERZTION FREQUENCY BAND	LIMIT
5150~5250 MHz	EIRP shall not exceed 200 mW or $10 + 10 \log_{10} B$ , dBm
5250~5350 MHz	Conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$ EIRP shall not exceed 1.0 W or $17 + 10 \log_{10} B$ , dBm
5470-5600 MHz and 5650-5725 MHz	Conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$ EIRP shall not exceed 1.0 W or $17 + 10 \log_{10} B$ , dBm
5725~5850 MHz	Conducted output power shall not exceed 1 W
For equipment operating in the band <b>5725-5850</b> MHz, If transmitting antennas of directional gain greater than 6 dBi are used, the Maximum transmit power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.	

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### Note:

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

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

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

where

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

NSS = the number of independent spatial streams of data;

NANT = the total number of antennas

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

$G_k$  is the gain in dBi of the kth antenna.

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

## 6.2 Measurement Procedure

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

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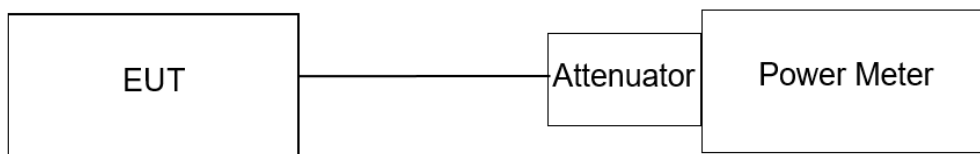
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### 6.3 Measurement Equipment Used

Conducted Emission Test Site: Conducted A					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Power Meter	Anritsu	ML2496A	1512003	07/23/2020	07/22/2021
Power Sensor	Anritsu	MA2411B	1339378	07/23/2020	07/22/2021
Power Sensor	Anritsu	MA2411B	1339379	07/23/2020	07/22/2021
Attenuator	Marvelous	MVE2213-10	RF07	11/19/2020	11/18/2021
DC Block	PASTERNAK	PE8210	RF151	11/19/2020	11/18/2021
I Pex4 Cables	Woken	00100A1H646027	RF501	06/01/2020	05/31/2021
I Pex4 Cables	Woken	00100A1H646027	RF502	06/01/2020	05/31/2021
AP	ASUS	RT-N66U	N/A	N/A	N/A
Spectrum Analyzer	KEYSIGHT	N9010B	MY59071574	06/24/2020	06/23/2021

### 6.4 Test Set-up



### 6.5 Measurement Result

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## 6.5.1 Conducted output power (FCC)

### 802.11a\_MIMO

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			CH 0	CH 1				
36	5180	6	17.28	17.62	20.54	113.315	23.97	PASS
44	5220	6	18.08	18.17	21.21	132.275	23.97	PASS
48	5240	6	18.28	18.37	21.41	138.508	23.97	PASS
52	5260	6	17.86	18.03	21.04	126.922	23.97	PASS
60	5300	6	17.93	18.15	21.13	129.746	23.97	PASS
64	5320	6	16.83	17.34	20.18	104.280	23.97	PASS
100	5500	6	17.44	17.73	20.68	116.868	23.97	PASS
116	5580	6	16.39	16.78	19.68	92.873	23.97	PASS
140	5700	6	16.23	16.34	19.37	86.594	23.97	PASS
149	5745	6	17.42	17.78	20.69	117.308	30	PASS
157	5785	6	17.47	17.83	20.74	118.666	30	PASS
165	5825	6	17.32	17.69	20.60	114.775	30	PASS

### 802.11n\_HT20\_MIMO

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			CH 0	CH 1				
36	5180	MCS8	16.64	16.96	19.90	97.628	23.97	PASS
44	5220	MCS8	17.03	17.35	20.29	106.801	23.97	PASS
48	5240	MCS8	17.63	17.99	20.91	123.212	23.97	PASS
52	5260	MCS8	17.6	17.86	20.82	120.914	23.97	PASS
60	5300	MCS8	17.56	17.68	20.71	117.848	23.97	PASS
64	5320	MCS8	16.89	17.24	20.16	103.785	23.97	PASS
100	5500	MCS8	17.61	17.54	20.67	116.626	23.97	PASS
116	5580	MCS8	17.45	17.32	20.48	111.643	23.97	PASS
140	5700	MCS8	16.18	16.4	19.38	86.780	23.97	PASS
149	5745	MCS8	17.63	17.87	20.84	121.464	30	PASS
157	5785	MCS8	17.54	17.9	20.82	120.685	30	PASS
165	5825	MCS8	17.59	17.84	20.81	120.493	30	PASS

### 802.11n\_HT40\_MIMO

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			CH 0	CH 1				
38	5190	MCS8	13.84	14.13	17.35	54.294	23.97	PASS
46	5230	MCS8	17.22	17.33	20.64	115.756	23.97	PASS
54	5270	MCS8	17.34	17.56	20.81	120.544	23.97	PASS
62	5310	MCS8	9.74	10.07	13.27	21.224	23.97	PASS
102	5510	MCS8	14.23	15.35	18.19	65.858	23.97	PASS
110	5550	MCS8	17.43	17.64	20.90	122.923	23.97	PASS
134	5670	MCS8	16.98	17.11	20.41	109.788	23.97	PASS
151	5755	MCS8	17.32	17.41	20.73	118.176	30	PASS
159	5795	MCS8	17.18	17.39	20.65	116.047	30	PASS

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## 802.11ac\_VHT20\_MIMO

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			CH 0	CH 1				
36	5180	MCS0	16.54	16.89	19.81	95.805	23.97	PASS
44	5220	MCS0	16.98	17.27	20.22	105.264	23.97	PASS
48	5240	MCS0	17.52	17.89	20.80	120.346	23.97	PASS
52	5260	MCS0	17.53	17.73	20.73	118.209	23.97	PASS
60	5300	MCS0	17.45	17.64	20.64	115.915	23.97	PASS
64	5320	MCS0	16.78	17.14	20.06	101.370	23.97	PASS
100	5500	MCS0	17.18	17.23	20.30	107.163	23.97	PASS
116	5580	MCS0	17.21	17.28	20.34	108.156	23.97	PASS
140	5700	MCS0	16.02	16.31	19.26	84.388	23.97	PASS
149	5745	MCS0	17.43	17.8	20.71	117.878	30	PASS
157	5785	MCS0	17.3	17.86	20.68	117.068	30	PASS
165	5825	MCS0	17.4	17.62	20.61	114.994	30	PASS

## 802.11ac\_VHT40\_MIMO

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			CH 0	CH 1				
38	5190	MCS0	13.76	14.03	17.06	50.869	23.97	PASS
46	5230	MCS0	17.12	17.2	20.33	107.835	23.97	PASS
54	5270	MCS0	17.29	17.47	20.55	113.458	23.97	PASS
62	5310	MCS0	9.68	10.02	13.02	20.048	23.97	PASS
102	5510	MCS0	14.08	15.29	17.89	61.580	23.97	PASS
110	5550	MCS0	17.39	17.58	20.65	116.238	23.97	PASS
134	5670	MCS0	16.93	17	20.13	103.100	23.97	PASS
151	5755	MCS0	17.25	17.34	20.46	111.241	30	PASS
159	5795	MCS0	17.1	17.32	20.38	109.114	30	PASS

## 802.11ac\_VHT80\_MIMO

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			CH 0	CH 1				
42	5210	MCS0	11.68	11.81	15.30	33.862	23.97	PASS
58	5290	MCS0	10.08	10.27	13.73	23.592	23.97	PASS
106	5530	MCS0	11.45	12.13	15.35	34.316	23.97	PASS
122	5610	MCS0	17.02	17.34	20.73	118.428	23.97	PASS
155	5775	MCS0	16.98	17.15	20.62	115.278	30	PASS

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## 6.5.2 ISED EIRP

### 802.11a\_2TX

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	<b>13.98</b>	2.990	<b>16.97</b>	<b>49.805</b>	23.01	PASS
44	5220	13.49	2.990	16.48	44.485	23.01	PASS
48	5240	13.69	2.990	16.68	46.531	23.01	PASS
52	5260	21.04	2.000	23.04	201.157	30.00	PASS
60	5300	<b>21.13</b>	2.000	<b>23.13</b>	<b>205.633</b>	30.00	PASS
64	5320	20.18	2.000	22.18	165.273	30.00	PASS
100	5500	<b>20.68</b>	2.690	<b>23.37</b>	<b>217.118</b>	30.00	PASS
116	5580	19.68	2.690	22.37	172.540	30.00	PASS
140	5700	<b>19.37</b>	2.690	<b>22.06</b>	<b>160.875</b>	30.00	PASS

### 802.11n\_HT20\_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	14.39	2.990	17.38	54.699	23.01	PASS
44	5220	14.34	2.990	17.33	54.066	23.01	PASS
48	5240	<b>14.42</b>	2.990	<b>17.41</b>	<b>55.019</b>	23.01	PASS
52	5260	<b>20.82</b>	2.000	<b>22.82</b>	<b>191.635</b>	30.00	PASS
60	5300	20.71	2.000	22.71	186.777	30.00	PASS
64	5320	20.16	2.000	22.16	164.488	30.00	PASS
100	5500	<b>20.67</b>	2.690	<b>23.36</b>	<b>216.668</b>	30.00	PASS
116	5580	20.48	2.690	23.17	207.410	30.00	PASS
140	5700	<b>19.38</b>	2.690	<b>22.07</b>	<b>161.221</b>	30.00	PASS

### 802.11n\_HT40\_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	<b>16.63</b>	2.990	<b>19.62</b>	<b>91.565</b>	23.01	PASS
46	5230	16.31	2.990	19.30	85.058	23.01	PASS
54	5270	<b>20.81</b>	2.000	<b>22.81</b>	<b>191.050</b>	30.00	PASS
62	5310	13.27	2.000	15.27	33.637	30.00	PASS
102	5510	18.19	2.690	20.88	122.351	30.00	PASS
110	5550	<b>20.90</b>	2.690	<b>23.59</b>	<b>228.368</b>	30.00	PASS
134	5670	<b>20.41</b>	2.690	<b>23.10</b>	<b>203.965</b>	30.00	PASS

### 802.11ac\_VHT20\_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
36	5180	14.07	2.990	17.06	50.840	23.01	PASS
44	5220	14.17	2.990	17.16	51.990	23.01	PASS
48	5240	<b>14.28</b>	2.990	<b>17.27</b>	<b>53.281</b>	23.01	PASS
52	5260	<b>20.73</b>	2.000	<b>22.73</b>	<b>187.349</b>	30.00	PASS
60	5300	20.64	2.000	22.64	183.713	30.00	PASS
64	5320	20.06	2.000	22.06	160.661	30.00	PASS
100	5500	20.30	2.690	22.99	199.088	30.00	PASS
116	5580	<b>20.34</b>	2.690	<b>23.03</b>	<b>200.933</b>	30.00	PASS
140	5700	<b>19.26</b>	2.690	<b>21.95</b>	<b>156.776</b>	30.00	PASS

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## 802.11ac\_VHT40\_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
38	5190	16.29	2.990	19.28	84.666	23.01	PASS
46	5230	16.28	2.990	19.27	84.504	23.01	PASS
54	5270	20.55	2.000	22.55	179.819	30.00	PASS
62	5310	13.02	2.000	15.02	31.774	30.00	PASS
102	5510	17.89	2.690	20.58	114.404	30.00	PASS
110	5550	20.65	2.690	23.34	215.947	30.00	PASS
134	5670	20.13	2.690	22.82	191.539	30.00	PASS

## 802.11ac\_VHT80\_MIMO

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	REQUIRED LIMIT (dBm)	RESULT
42	5210	15.49	2.990	18.48	70.425	23.01	PASS
58	5290	13.73	2.000	15.73	37.391	30.00	PASS
106	5530	15.35	2.690	18.04	63.752	30.00	PASS

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## 6.5.3 Conducted output power (ISED)

## 802.11a\_2Tx

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
52	5260	17.86	18.03	21.04	126.922	23.98	PASS
60	5300	17.93	18.15	<b>21.13</b>	<b>129.746</b>	23.98	PASS
64	5320	16.83	17.34	20.18	104.280	23.98	PASS
100	5500	17.44	17.73	20.68	<b>116.868</b>	23.98	PASS
116	5580	16.39	16.78	19.68	92.873	23.98	PASS
140	5700	16.23	16.34	19.37	<b>86.594</b>	23.98	PASS
149	5745	17.42	17.78	20.69	117.308	30	PASS
157	5785	17.47	17.83	20.74	<b>118.666</b>	30	PASS
165	5825	17.32	17.69	20.60	114.775	30	PASS

## 802.11n\_HT20\_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
52	5260	17.6	17.86	20.82	120.914	23.98	PASS
60	5300	17.56	17.68	20.71	117.848	23.98	PASS
64	5320	16.89	17.24	20.16	103.785	23.98	PASS
100	5500	17.61	17.54	<b>20.67</b>	<b>116.626</b>	23.98	PASS
116	5580	17.45	17.32	20.48	111.643	23.98	PASS
140	5700	16.18	16.4	<b>19.38</b>	<b>86.780</b>	23.98	PASS
149	5745	17.63	17.87	<b>20.84</b>	<b>121.464</b>	30	PASS
157	5785	17.54	17.9	20.82	120.685	30	PASS
165	5825	17.59	17.84	20.81	120.493	30	PASS

## 802.11n\_HT40\_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
54	5270	17.34	17.56	20.81	120.544	23.98	PASS
62	5310	9.74	10.07	13.27	21.224	23.98	PASS
102	5510	14.23	15.35	18.19	65.858	23.98	PASS
110	5550	17.43	17.64	<b>20.90</b>	<b>122.923</b>	23.98	PASS
134	5670	16.98	17.11	<b>20.41</b>	<b>109.788</b>	23.98	PASS
151	5755	17.32	17.41	<b>20.73</b>	<b>118.176</b>	30	PASS
159	5795	17.18	17.39	20.65	116.047	30	PASS

## 802.11ac\_VHT20\_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
52	5260	17.53	17.73	<b>20.73</b>	<b>118.209</b>	23.98	PASS
60	5300	17.45	17.64	20.64	115.915	23.98	PASS
64	5320	16.78	17.14	20.06	101.370	23.98	PASS
100	5500	17.18	17.23	20.30	107.163	23.98	PASS
116	5580	17.21	17.28	<b>20.34</b>	<b>108.156</b>	23.98	PASS
140	5700	16.02	16.31	<b>19.26</b>	<b>84.388</b>	23.98	PASS
149	5745	17.43	17.8	<b>20.71</b>	<b>117.878</b>	30	PASS
157	5785	17.3	17.86	20.68	117.068	30	PASS
165	5825	17.4	17.62	20.61	114.994	30	PASS

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## 802.11ac\_VHT40\_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
54	5270	17.29	17.47	20.55	113.458	23.98	PASS
62	5310	9.68	10.02	13.02	20.048	23.98	PASS
102	5510	14.08	15.29	17.89	61.580	23.98	PASS
110	5550	17.39	17.58	<b>20.65</b>	<b>116.238</b>	23.98	PASS
134	5670	16.93	17	<b>20.13</b>	<b>103.100</b>	23.98	PASS
151	5755	17.25	17.34	<b>20.46</b>	<b>111.241</b>	30	PASS
159	5795	17.1	17.32	20.38	109.114	30	PASS

## 802.11ac\_VHT80\_MIMO

CH	Frequency (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
		CH 0	CH 1				
58	5290	10.08	10.27	<b>13.73</b>	23.592	23.98	PASS
106	5530	11.45	12.13	15.35	34.316	23.98	PASS
122	5610	17.02	17.34	<b>20.73</b>	<b>118.428</b>	23.98	PASS
155	5775	16.98	17.15	<b>20.62</b>	<b>115.278</b>	30	PASS

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## 7 UNDESIRABLE RADIATED EMISSION MEASUREMENT

### 7.1 Standard Applicable

#### 7.1.1 Band Edge

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

1. For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
2. For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

APPLICABLE TO	EIRP LIMIT	FIELD STRENGTH AT 3m
15.407(b)(1) RSS-247 §6.2.1.2	PK: -27 (dBm/MHz)	PK: 68.3 (dBμV/m)
15.407(b)(2) RSS-247 §6.2.2.2		
15.407(b)(3) RSS-247 §6.2.3.2		
15.407(b)(4)(i) RSS-247 §6.2.4.2	PK:-27 (dBm/MHz) *1 PK:10 (dBm/MHz) *2 PK:15.6 (dBm/MHz) *3 PK:27 (dBm/MHz) *4	PK: 68.2(dBμV/m) *1 PK:105.2 (dBμV/m) *2 PK: 110.8(dBμV/m) *3 PK:122.2 (dBμV/m) *4
<p>*1 beyond 75 MHz or more above of the bandedge.</p> <p>*2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.</p> <p>*3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.</p> <p>*4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.</p>		

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

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### 7.1.2 Spurious Emission

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

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

**Note:**

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dB $\mu$ V/m) = 20 log Emission level ( $\mu$ V/m)

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## 7.2 Measurement Equipment Used

Radiated Emission Test Site: SAC D					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Broadband Antenna	TESEQ	CBL 6112D	35240	09/08/2020	09/07/2021
Horn Antenna	Schwarzbeck	BBHA9120D	1341	06/22/2020	06/21/2021
Horn Antenna	Schwarzbeck	BBHA9170	185	07/30/2020	07/29/2021
Loop Antenna	ETS.LINDGREN	6502	143303	04/28/2020	04/27/2021
3m Site NSA	SGS	966 chamber D	N/A	07/12/2020	07/11/2021
Spectrum Analyzer	KEYSIGHT	N9010A	MY54510568	07/08/2020	07/07/2021
Pre-Amplifier	EMC Instruments	EMC184045B	980135	10/27/2020	10/26/2021
Pre-Amplifier	EMC Instruments	EMC9135	980234	11/19/2020	11/18/2021
Pre-Amplifier	EMC Instruments	EMC12630SE	980271	11/19/2020	11/18/2021
Attenuator	Marvelous	WATT-218FS-10	RF25	11/19/2020	11/18/2021
High Pass Filter	R&S	F13 HPF 3GHz	RF175	11/19/2020	11/18/2021
Lowpass Filter	Woken	EWI-56-0019	RF173	11/19/2020	11/18/2021
Notch Filter	Woken	EWI-54-0038	RF178	11/19/2020	11/18/2021
Coaxial Cable	Huber Suhner	EMC106-SM-SM-7200	150703	11/19/2020	11/18/2021
Coaxial Cable	Huber+Suhner	RG 214/U	W21.01	11/19/2020	11/18/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 104	MY17413/4	11/19/2020	11/18/2021

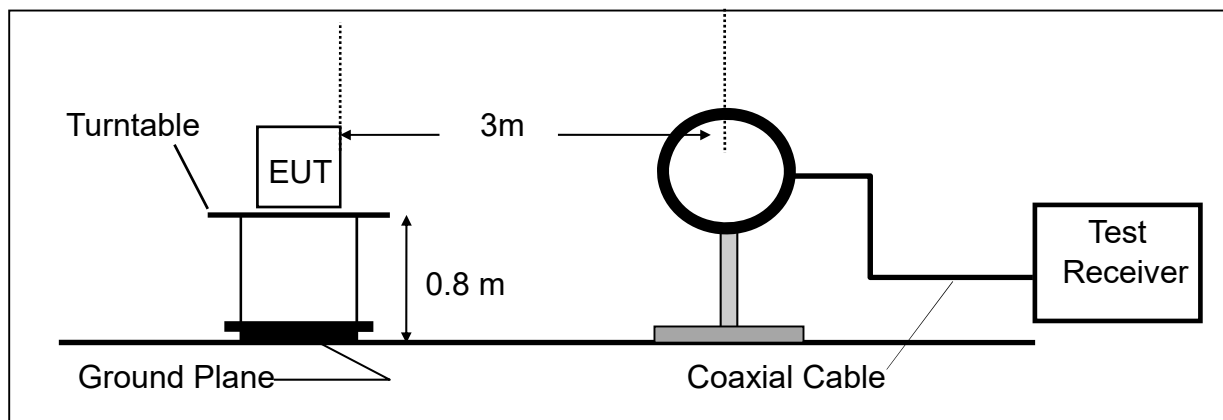
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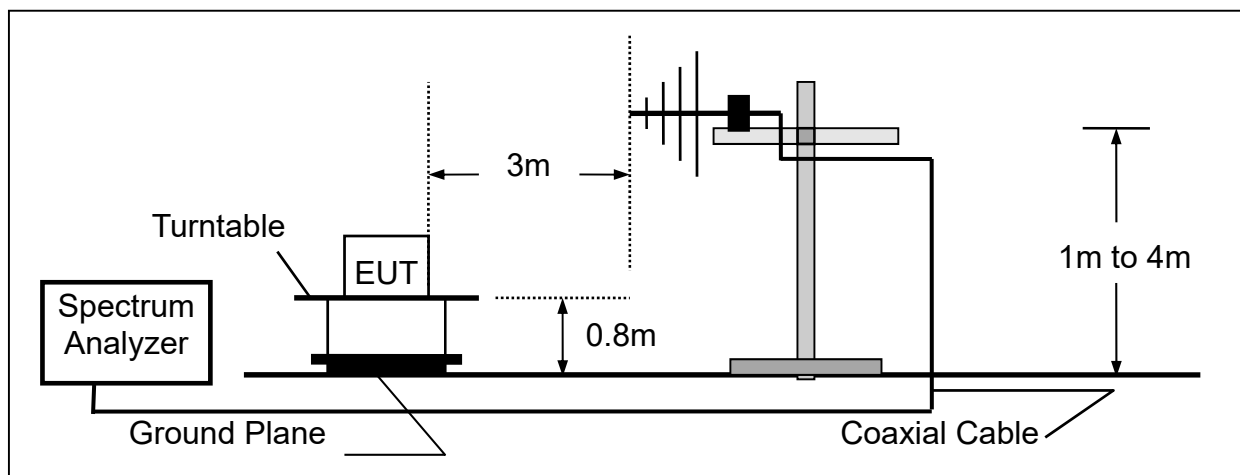
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## 7.3 Test SET-UP

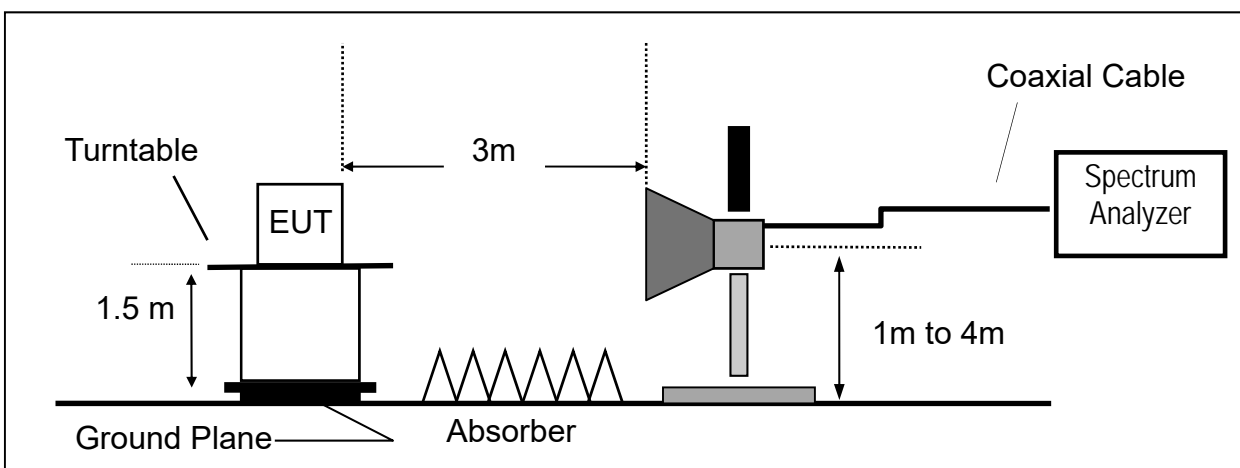
### (A) Radiated Emission Test Set-UP Frequency Below 30MHz.



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



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



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## 7.4 Measurement Procedure

1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules .
3. The EUT was placed on a turn table with 0.8m for frequency< 1GHz and 1.5m for frequency> 1GHz above ground plane.
4. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
5. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
6. Set the spectrum analyzer as RBW=120 kHz and VBW=300 kHz for Peak Detector (PK) and Quasi-peak (QP) at frequency below 1 GHz.
7. At frequency above 1 GHz, Set the spectrum analyzer:
  - A. RBW=1 MHz, VBW=3 MHz for **Peak** Detector.
  - B. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW  $\geq 1/T$  (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.

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

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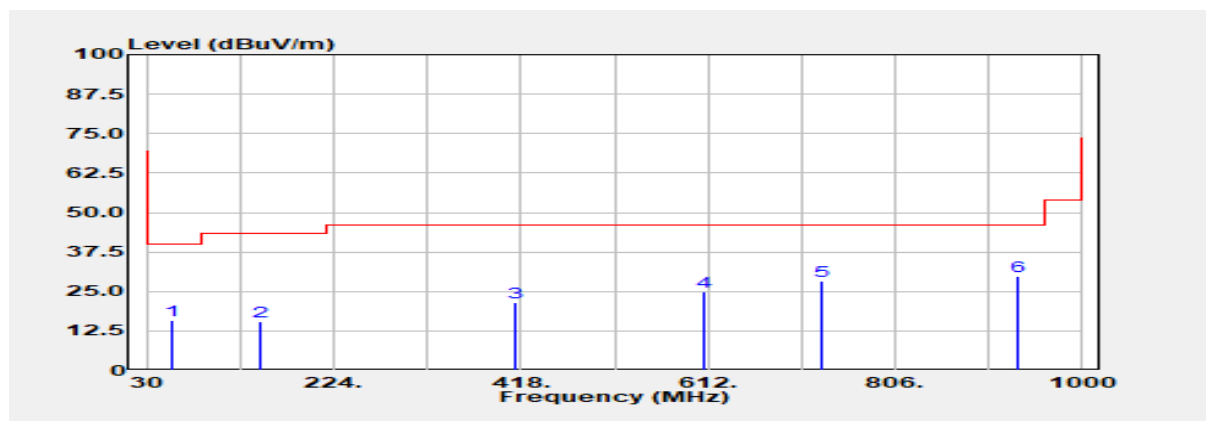
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## 7.7 Radiated Spurious Emission Measurement Result

### 7.7.1 Below 1GHz Worst-Case Data:

Report Number	:E2/2021/10092	Test Site	:966 Chamber D
Operation Mode	:802.11a Band 1	Test Date	:2021-02-23
Test Frequency	:5220 MHz	Temp./Humi.	:21.2/67
Test Mode	:TX CH MID	Antenna Pol.	:Vertical
EUT Pol	:NB Plan	Engineer	:Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
57.160	Peak	33.71	-17.84	15.88	40.00	-24.12
147.370	Peak	32.42	-16.81	15.61	43.50	-27.89
413.150	Peak	34.85	-13.41	21.44	46.00	-24.56
607.150	Peak	34.09	-9.01	25.08	46.00	-20.92
729.370	Peak	35.47	-7.24	28.23	46.00	-17.77
934.040	Peak	34.99	-5.12	29.87	46.00	-16.13

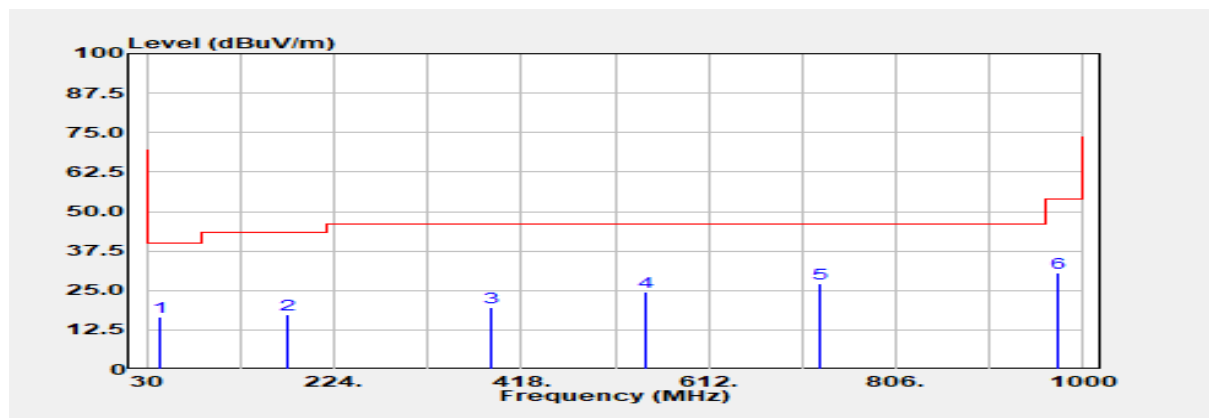
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Report Number :E2/2021/10092  
Operation Mode :802.11a Band 1  
Test Frequency :5220 MHz  
Test Mode :TX CH MID  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-02-23  
Temp./Humi. :21.2/67  
Antenna Pol. :Horizontal  
Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
44.550	Peak	34.27	-17.62	16.65	40.00	-23.35
176.470	Peak	34.93	-17.66	17.27	43.50	-26.23
386.960	Peak	33.67	-14.08	19.59	46.00	-26.41
547.010	Peak	35.35	-10.82	24.53	46.00	-21.47
726.460	Peak	34.52	-7.27	27.25	46.00	-18.75
974.780	Peak	35.06	-4.38	30.68	54.00	-23.33

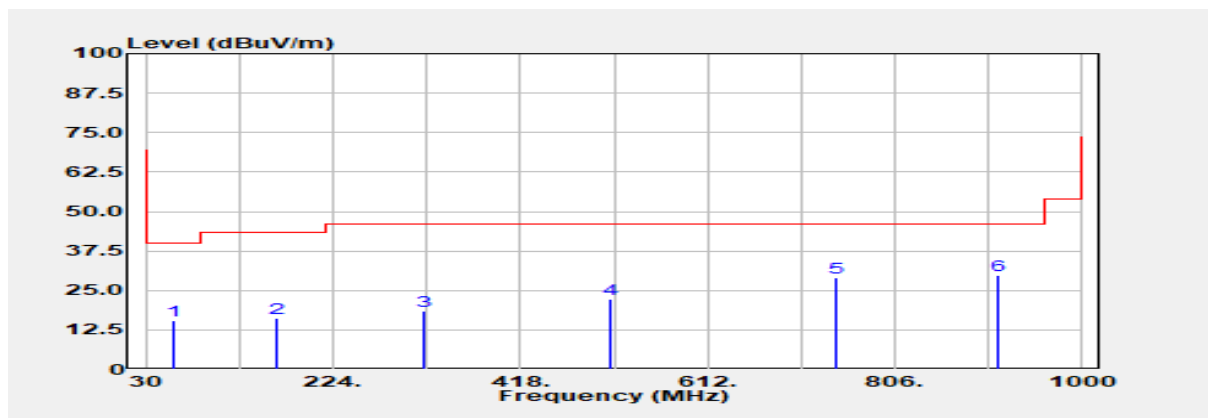
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 2  
 Test Frequency :5300 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-23  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
60.070	Peak	33.24	-17.92	15.32	40.00	-24.68
165.800	Peak	32.94	-16.82	16.12	43.50	-27.38
318.090	Peak	33.91	-15.45	18.46	46.00	-27.54
510.150	Peak	33.38	-10.99	22.39	46.00	-23.61
745.860	Peak	36.94	-8.02	28.93	46.00	-17.07
912.700	Peak	35.25	-5.59	29.66	46.00	-16.34

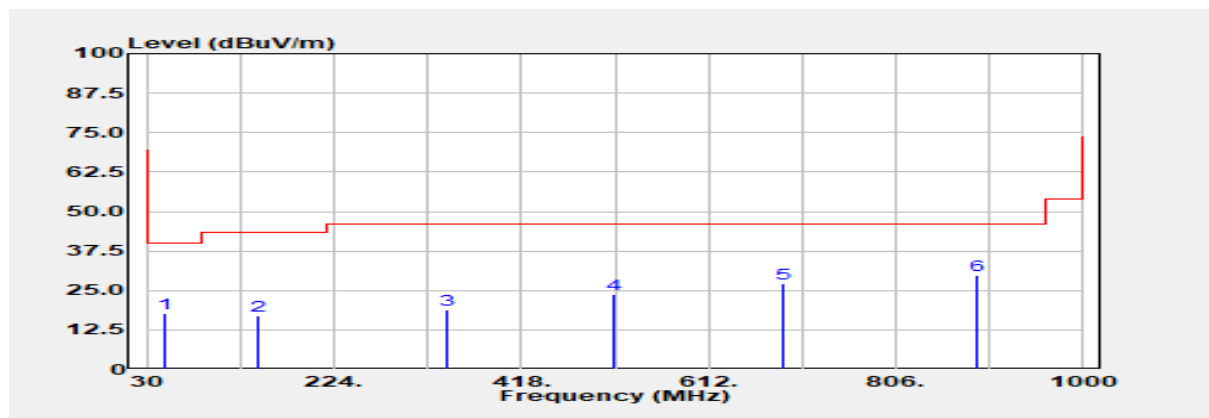
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Report Number :E2/2021/10092  
Operation Mode :802.11a Band 2  
Test Frequency :5300 MHz  
Test Mode :TX CH MID  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-02-23  
Temp./Humi. :21.2/67  
Antenna Pol. :Horizontal  
Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
49.400	Peak	35.46	-17.68	17.77	40.00	-22.23
146.400	Peak	33.92	-16.91	17.00	43.50	-26.50
340.400	Peak	34.02	-15.22	18.81	46.00	-27.19
513.060	Peak	34.42	-10.82	23.60	46.00	-22.40
689.600	Peak	35.69	-8.51	27.18	46.00	-18.82
889.420	Peak	35.90	-5.91	29.99	46.00	-16.01

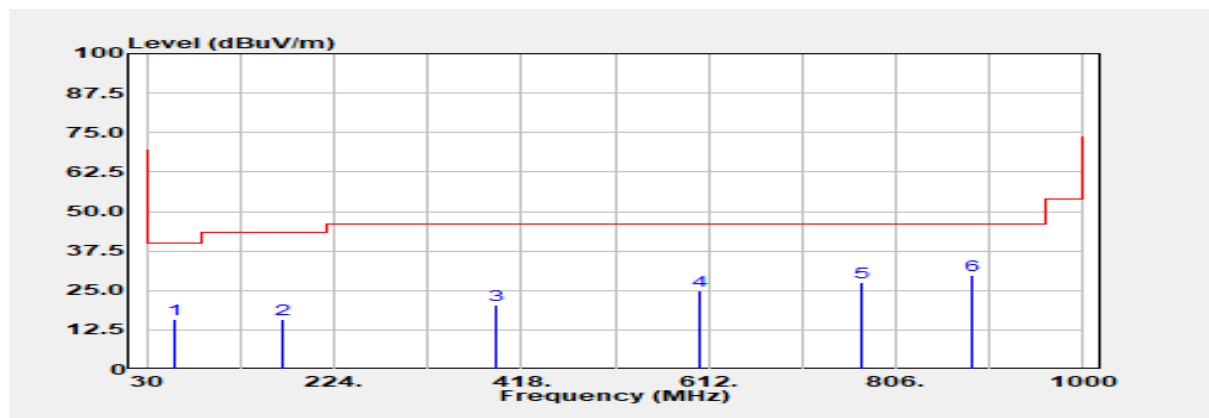
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Report Number :E2/2021/10092  
Operation Mode :802.11a Band 3  
Test Frequency :5580 MHz  
Test Mode :TX CH MID  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-02-23  
Temp./Humi. :21.2/67  
Antenna Pol. :Vertical  
Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
59.100	Peak	33.89	-18.01	15.88	40.00	-24.12
171.620	Peak	33.07	-17.06	16.01	43.50	-27.49
391.810	Peak	34.07	-13.88	20.19	46.00	-25.81
602.300	Peak	33.76	-8.77	24.99	46.00	-21.01
771.080	Peak	34.05	-6.56	27.49	46.00	-18.51
883.600	Peak	35.63	-5.68	29.96	46.00	-16.04

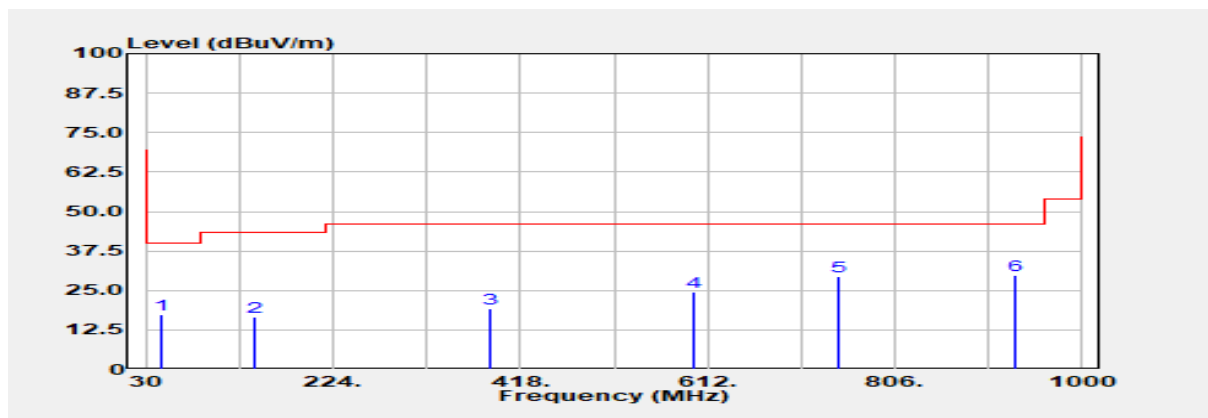
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Report Number :E2/2021/10092  
Operation Mode :802.11a Band 3  
Test Frequency :5580 MHz  
Test Mode :TX CH MID  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-02-23  
Temp./Humi. :21.2/67  
Antenna Pol. :Horizontal  
Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
46.490	Peak	34.91	-17.53	17.38	40.00	-22.62
142.520	Peak	33.42	-16.92	16.50	43.50	-27.00
385.990	Peak	33.36	-14.13	19.22	46.00	-26.78
596.480	Peak	33.56	-9.03	24.53	46.00	-21.47
746.830	Peak	37.51	-7.93	29.58	46.00	-16.42
931.130	Peak	34.93	-4.98	29.95	46.00	-16.05

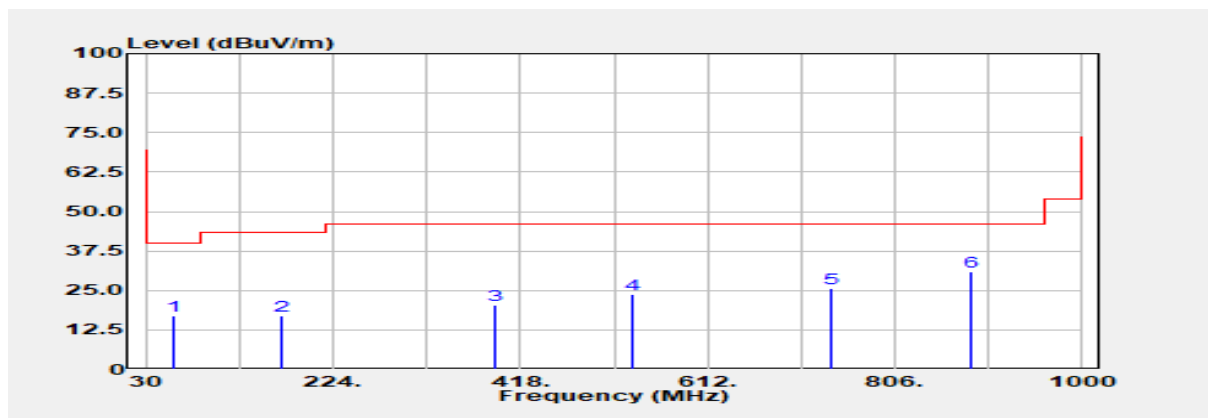
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Report Number :E2/2021/10092  
Operation Mode :802.11a Band 4  
Test Frequency :5785 MHz  
Test Mode :TX CH MID  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-02-23  
Temp./Humi. :21.2/67  
Antenna Pol. :Vertical  
Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
59.100	Peak	34.89	-18.01	16.88	40.00	-23.12
171.620	Peak	34.07	-17.06	17.01	43.50	-26.49
391.810	Peak	34.07	-13.88	20.19	46.00	-25.81
533.430	Peak	35.58	-11.62	23.96	46.00	-22.04
740.040	Peak	33.16	-7.37	25.78	46.00	-20.22
883.600	Peak	36.63	-5.68	30.96	46.00	-15.04

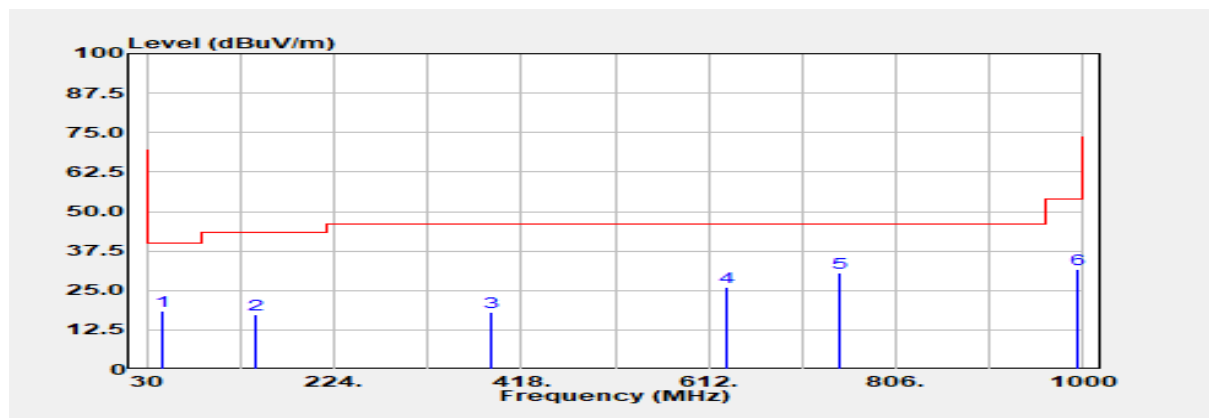
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 4  
 Test Frequency :5785 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-23  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
46.490	Peak	35.91	-17.53	18.38	40.00	-21.62
142.520	Peak	34.42	-16.92	17.50	43.50	-26.00
385.990	Peak	32.36	-14.13	18.22	46.00	-27.78
630.430	Peak	35.46	-9.24	26.22	46.00	-19.78
746.830	Peak	38.51	-7.93	30.58	46.00	-15.42
993.210	Peak	36.60	-5.00	31.61	54.00	-22.39

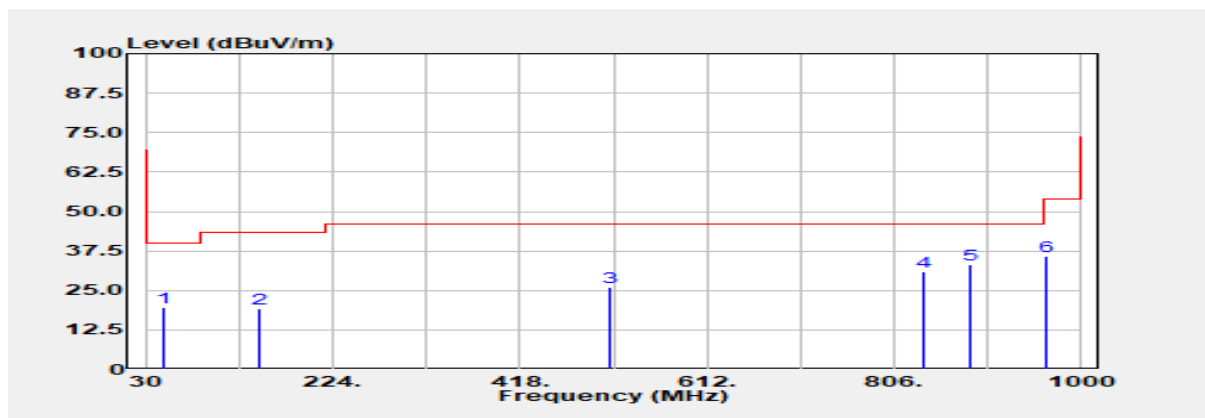
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 1  
 Test Frequency :5210 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-23  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
49.400	Peak	37.40	-17.68	19.72	40.00	-20.28
147.370	Peak	36.11	-16.81	19.30	43.50	-24.20
510.150	Peak	36.94	-10.99	25.95	46.00	-20.05
837.040	Peak	37.76	-6.73	31.03	46.00	-14.97
885.540	Peak	38.73	-5.44	33.29	46.00	-12.71
963.140	Peak	40.65	-4.83	35.82	54.00	-18.18

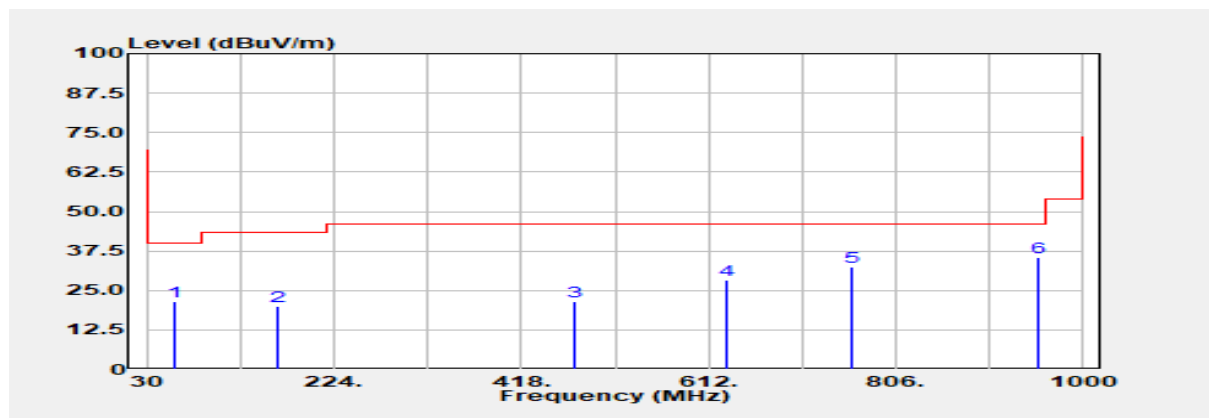
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Report Number :E2/2021/10092  
Operation Mode :802.11ac80 Band 1  
Test Frequency :5210 MHz  
Test Mode :TX CH LOW  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-02-23  
Temp./Humi. :21.2/67  
Antenna Pol. :Horizontal  
Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
58.130	Peak	39.35	-17.86	21.50	40.00	-18.50
164.830	Peak	36.92	-16.80	20.12	43.50	-23.38
473.290	Peak	33.52	-11.96	21.55	46.00	-24.45
630.430	Peak	37.46	-9.24	28.22	46.00	-17.78
759.440	Peak	39.67	-7.04	32.63	46.00	-13.37
953.440	Peak	40.71	-5.17	35.54	46.00	-10.46

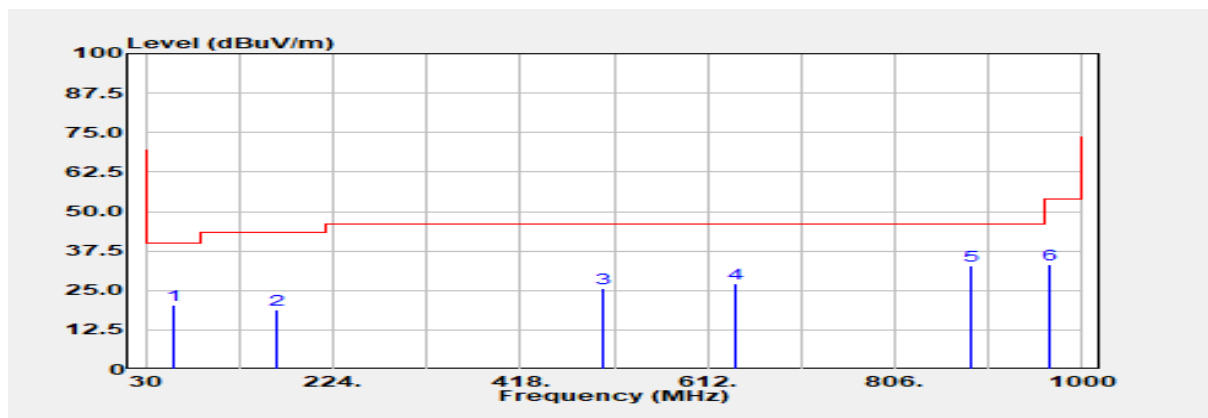
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 2  
 Test Frequency :5290 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-23  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
58.130	Peak	38.07	-17.86	20.22	40.00	-19.78
165.800	Peak	35.68	-16.82	18.86	43.50	-24.64
503.360	Peak	37.38	-11.73	25.65	46.00	-20.35
640.130	Peak	35.31	-8.03	27.29	46.00	-18.71
883.600	Peak	38.63	-5.68	32.96	46.00	-13.04
967.020	Peak	37.79	-4.40	33.39	54.00	-20.61

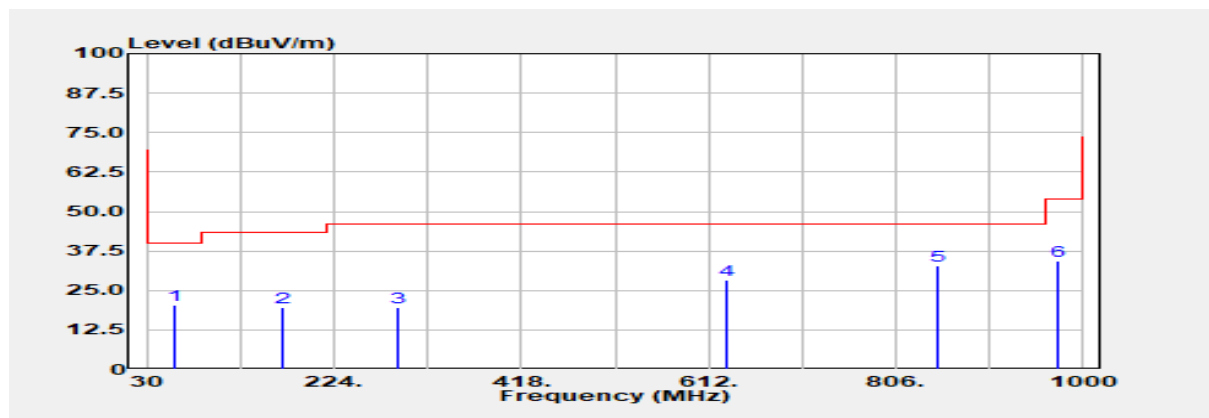
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Report Number :E2/2021/10092  
Operation Mode :802.11ac80 Band 2  
Test Frequency :5290 MHz  
Test Mode :TX CH HIGH  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-02-23  
Temp./Humi. :21.2/67  
Antenna Pol. :Horizontal  
Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
58.130	Peak	38.35	-17.86	20.50	40.00	-19.50
169.680	Peak	36.32	-16.86	19.46	43.50	-24.04
290.930	Peak	35.94	-16.35	19.59	46.00	-26.41
630.430	Peak	37.46	-9.24	28.22	46.00	-17.78
848.680	Peak	39.22	-6.50	32.72	46.00	-13.28
972.840	Peak	38.43	-4.16	34.27	54.00	-19.73

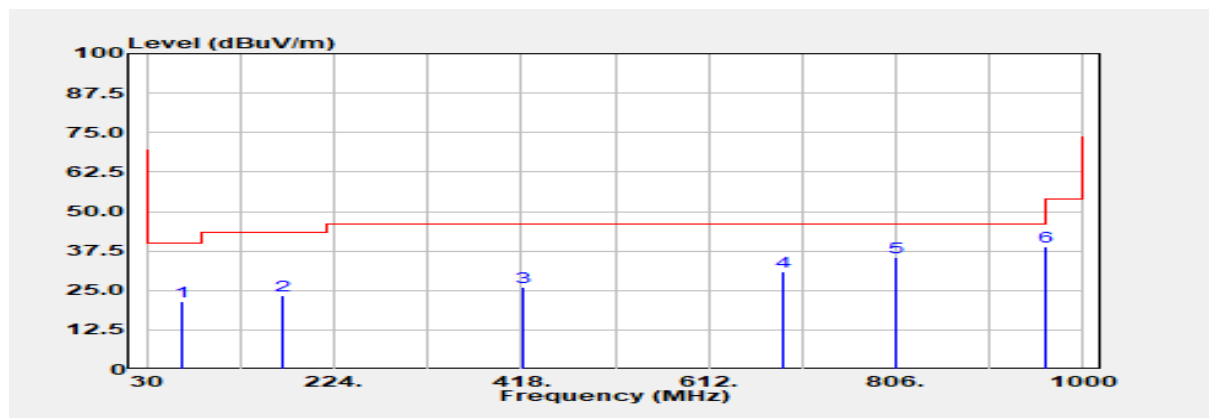
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Report Number :E2/2021/10092  
Operation Mode :802.11ac80 Band 3  
Test Frequency :5610 MHz  
Test Mode :TX CH MID  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-02-23  
Temp./Humi. :21.2/67  
Antenna Pol. :Vertical  
Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
65.890	Peak	40.17	-18.80	21.38	40.00	-18.62
169.680	Peak	40.27	-16.86	23.41	43.50	-20.09
418.970	Peak	39.54	-13.37	26.17	46.00	-19.83
689.600	Peak	39.63	-8.51	31.12	46.00	-14.88
806.000	Peak	42.26	-6.78	35.48	46.00	-10.52
961.200	Peak	43.86	-4.87	38.99	54.00	-15.01

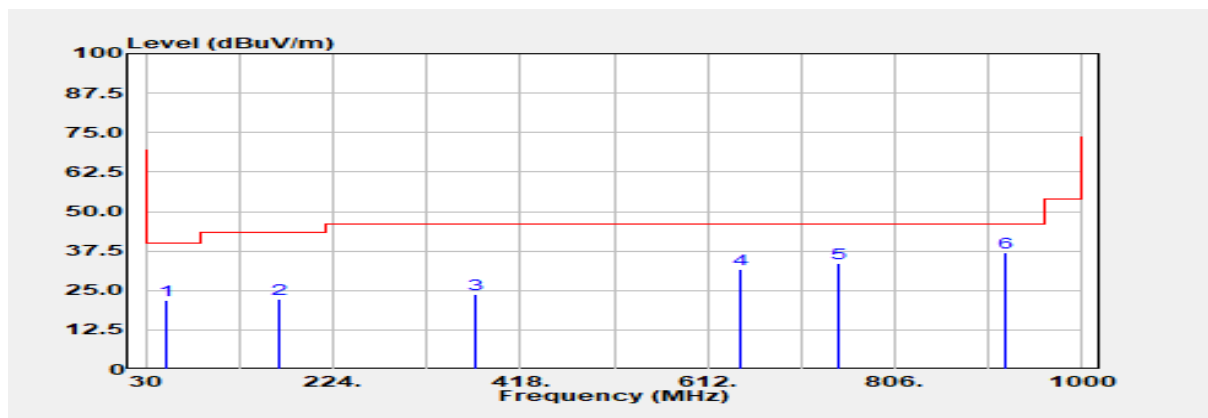
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 3  
 Test Frequency :5610 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-23  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
52.310	Peak	39.72	-17.69	22.04	40.00	-17.96
168.710	Peak	39.20	-16.88	22.32	43.50	-21.18
372.410	Peak	38.39	-14.60	23.79	46.00	-22.21
645.950	Peak	40.27	-8.73	31.54	46.00	-14.46
746.830	Peak	41.51	-7.93	33.58	46.00	-12.42
919.490	Peak	42.21	-5.34	36.87	46.00	-9.13

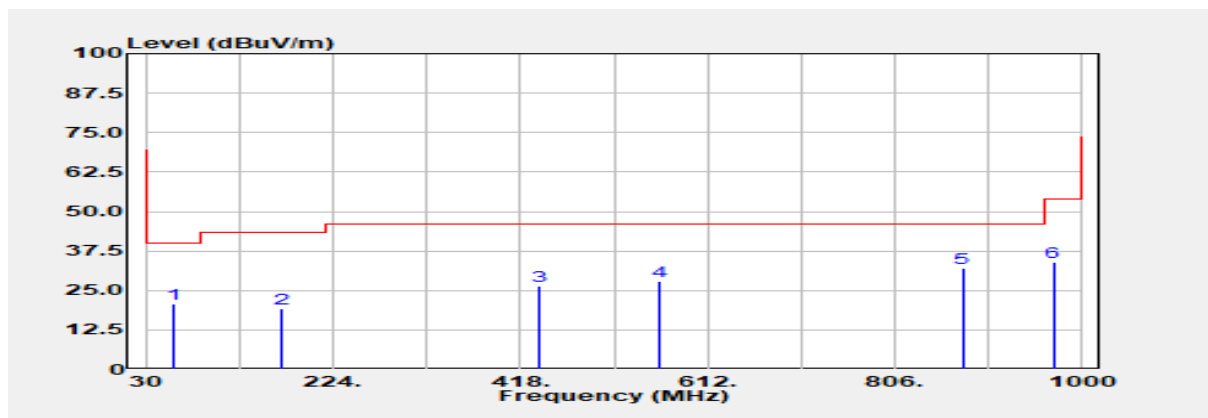
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 4  
 Test Frequency :5775 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-23  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
59.100	Peak	38.89	-18.01	20.88	40.00	-19.12
169.680	Peak	36.27	-16.86	19.41	43.50	-24.09
438.370	Peak	39.08	-12.61	26.48	46.00	-19.52
561.560	Peak	38.35	-10.58	27.77	46.00	-18.23
875.840	Peak	38.17	-6.26	31.92	46.00	-14.08
969.930	Peak	37.72	-3.85	33.86	54.00	-20.14

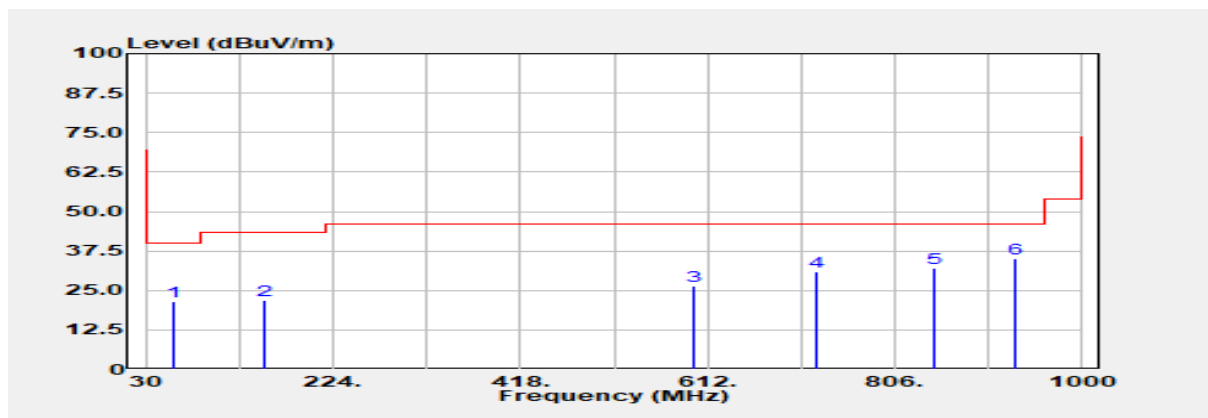
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Report Number :E2/2021/10092  
Operation Mode :802.11ac80 Band 4  
Test Frequency :5775 MHz  
Test Mode :TX CH LOW  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-02-23  
Temp./Humi. :21.2/67  
Antenna Pol. :Horizontal  
Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
58.130	Peak	39.35	-17.86	21.50	40.00	-18.50
152.220	Peak	38.71	-16.78	21.93	43.50	-21.57
596.480	Peak	35.56	-9.03	26.53	46.00	-19.47
725.490	Peak	38.26	-7.28	30.98	46.00	-15.02
847.710	Peak	38.60	-6.45	32.15	46.00	-13.85
931.130	Peak	39.93	-4.98	34.95	46.00	-11.05

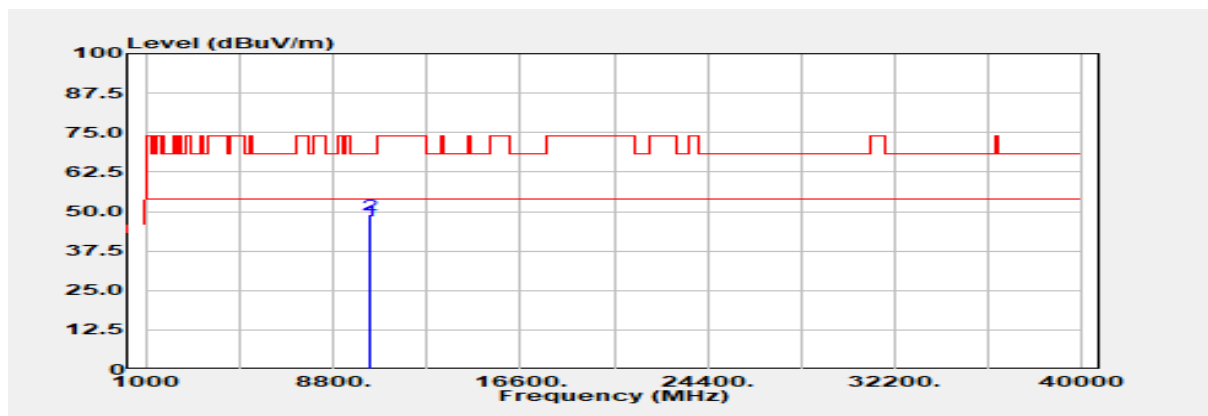
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## 7.7.2 Above 1GHz Worst-Case Data:

Report Number	:E2/2021/10092	Test Site	:966 Chamber D
Operation Mode	:802.11a Band 1	Test Date	:2021-03-02
Test Frequency	:5180 MHz	Temp./Humi.	:21.2/67
Test Mode	:TX CH LOW	Antenna Pol.	:Vertical
EUT Pol	:NB Plan	Engineer	:Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10360.000	Average	39.43	7.86	47.29	54.00	-6.71
10360.000	Peak	41.09	7.86	48.94	68.20	-19.26

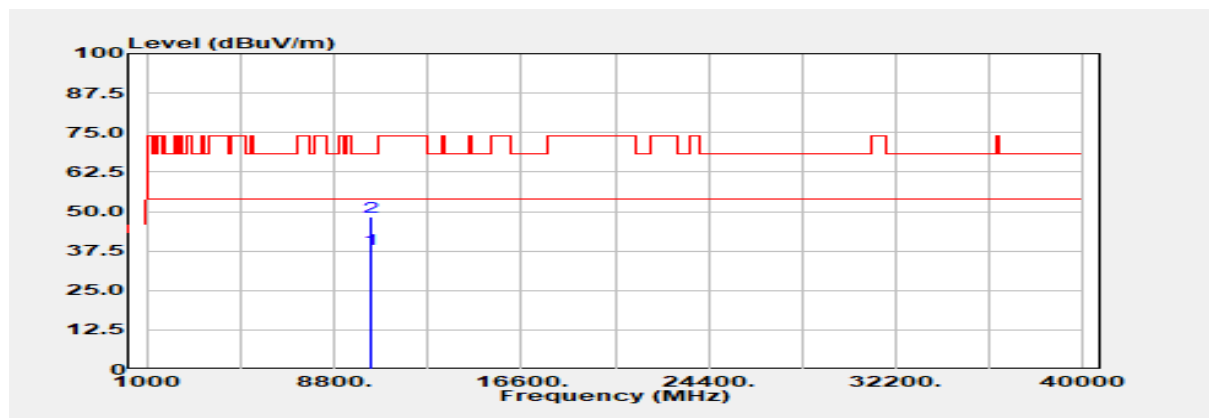
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 1  
 Test Frequency :5180 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10360.000	Average	30.25	7.86	38.11	54.00	-15.89
10360.000	Peak	40.44	7.86	48.29	68.20	-19.91

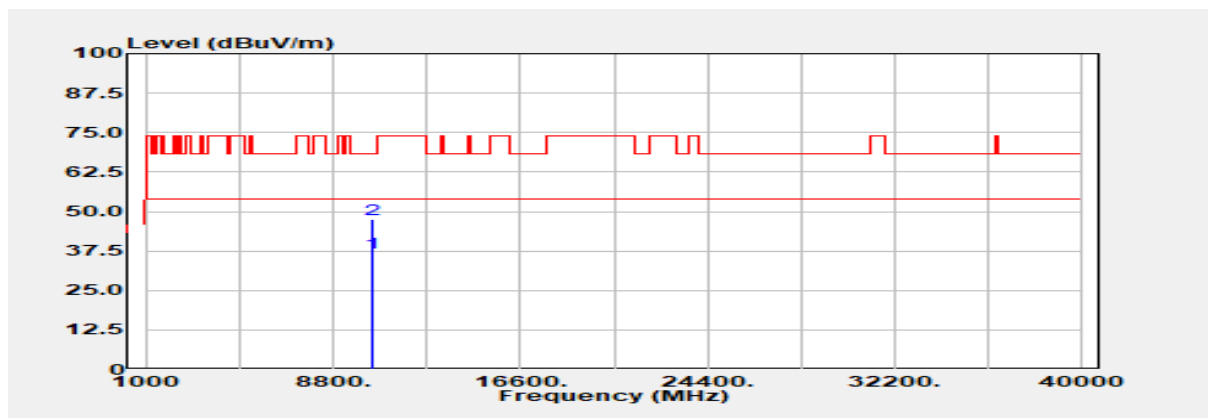
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 1  
 Test Frequency :5220 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10440.000	Average	29.19	7.95	37.13	54.00	-16.87
10440.000	Peak	39.50	7.95	47.44	68.20	-20.76

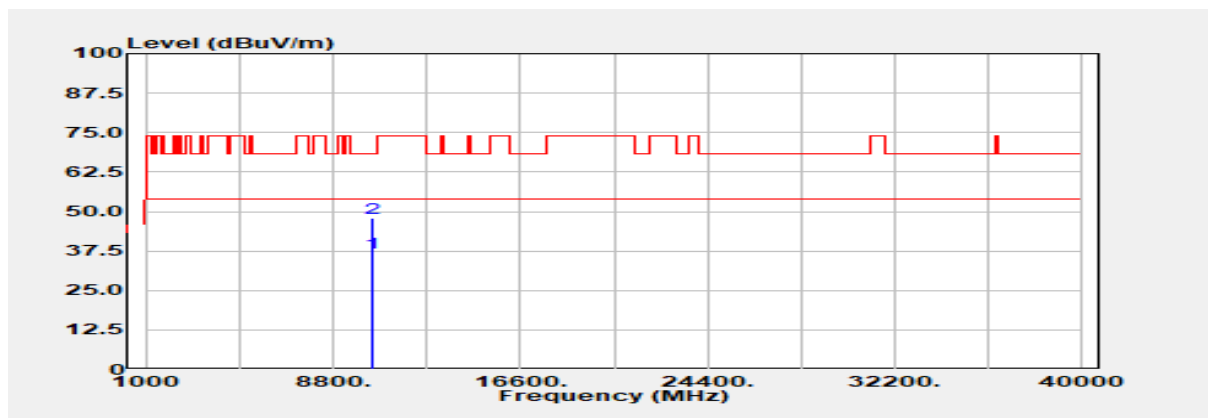
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 1  
 Test Frequency :5220 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10440.000	Average	29.13	7.95	37.07	54.00	-16.93
10440.000	Peak	39.88	7.95	47.82	68.20	-20.38

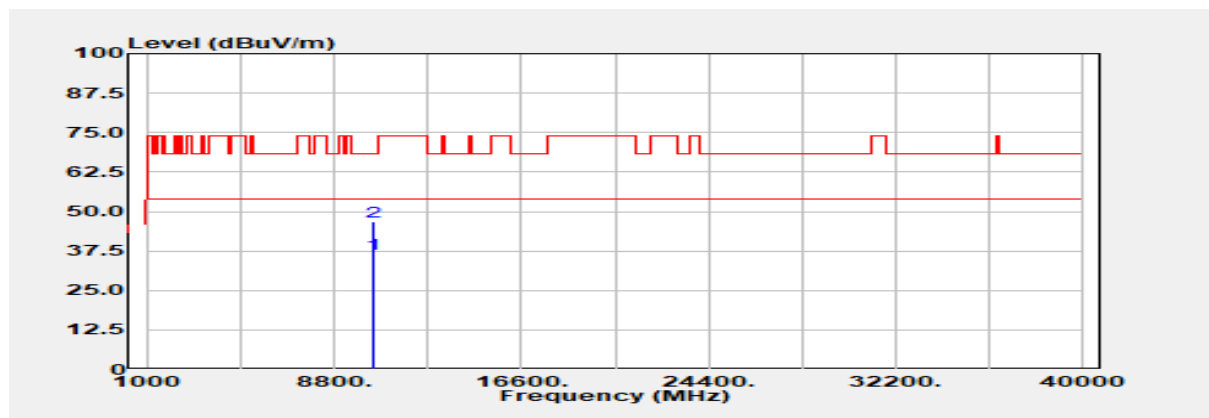
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 1  
 Test Frequency :5240 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10480.000	Average	29.18	7.28	36.46	54.00	-17.54
10480.000	Peak	39.62	7.28	46.90	68.20	-21.30

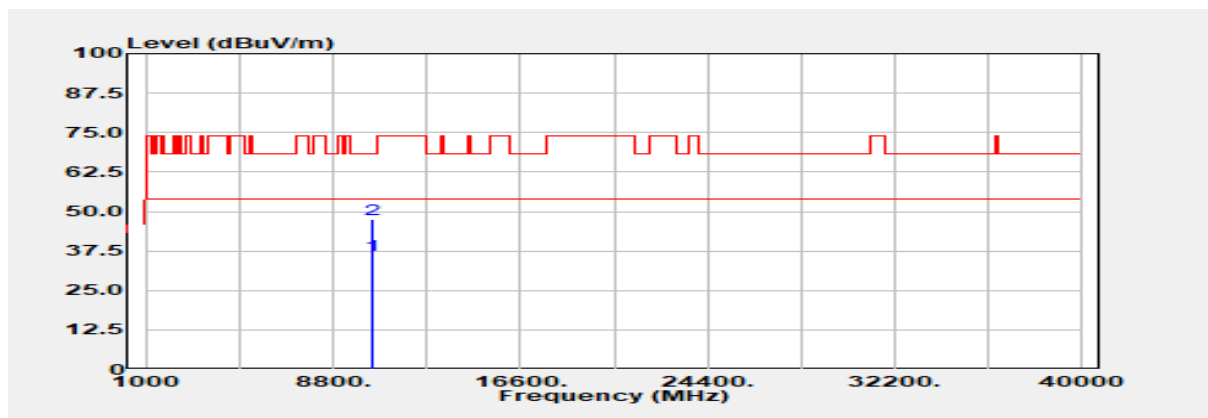
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 1  
 Test Frequency :5240 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10480.000	Average	28.95	7.28	36.23	54.00	-17.77
10480.000	Peak	40.39	7.28	47.67	68.20	-20.53

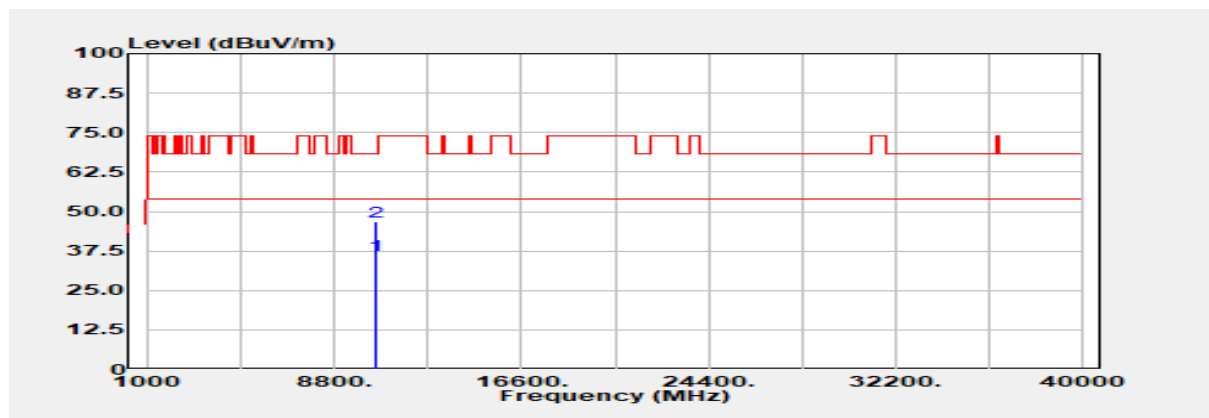
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 2  
 Test Frequency :5260 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10520.000	Average	29.29	6.79	36.08	54.00	-17.92
10520.000	Peak	40.14	6.79	46.93	68.20	-21.27

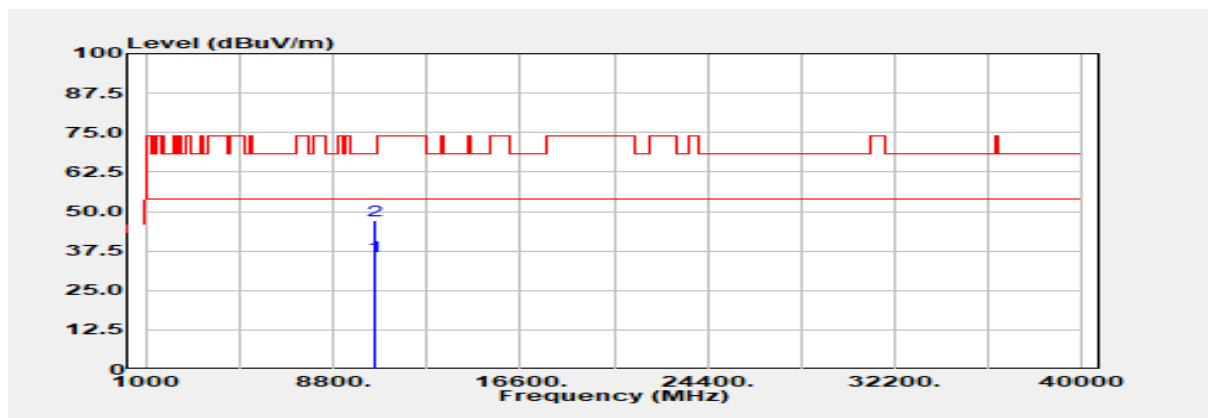
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 2  
 Test Frequency :5260 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10520.000	Average	29.18	6.79	35.98	54.00	-18.02
10520.000	Peak	40.45	6.79	47.25	68.20	-20.95

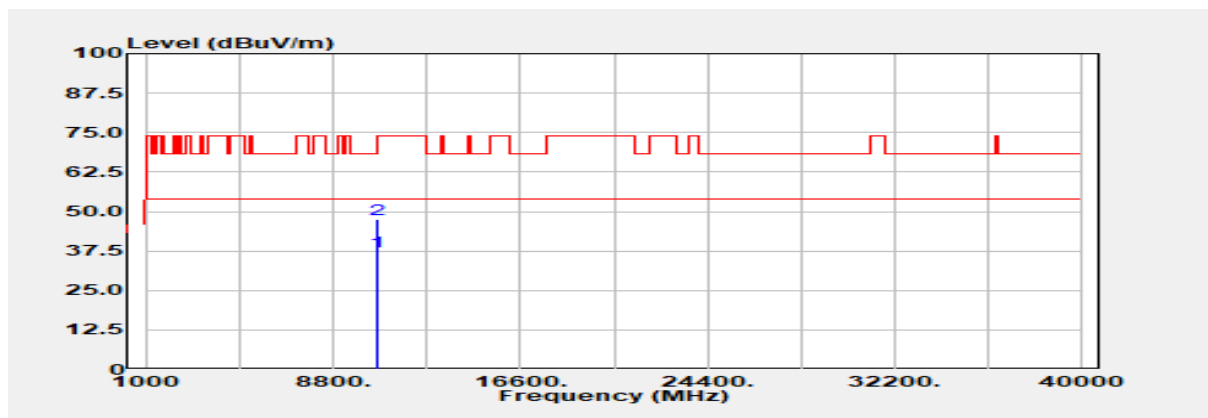
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 2  
 Test Frequency :5300 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10600.000	Average	30.13	7.20	37.33	54.00	-16.67
10600.000	Peak	40.30	7.20	47.50	74.00	-26.50

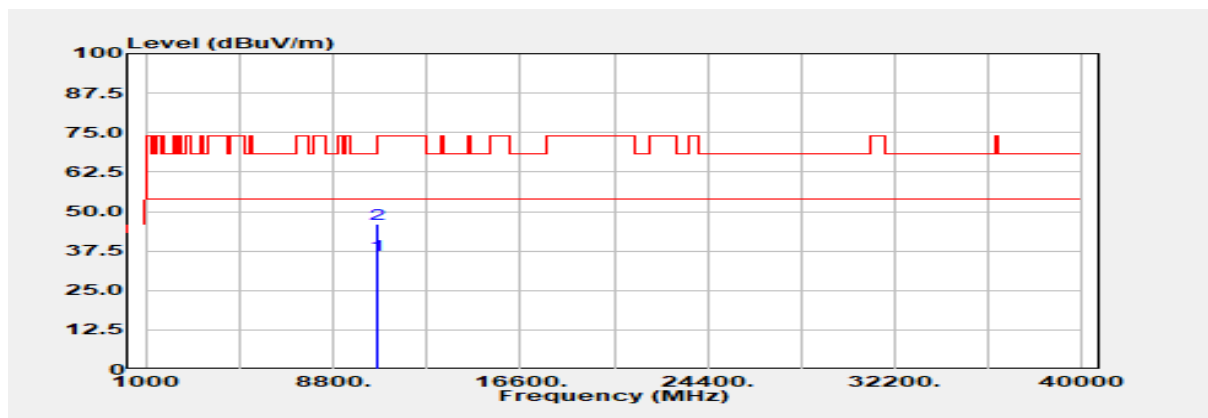
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 2  
 Test Frequency :5300 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10600.000	Average	29.14	7.20	36.34	54.00	-17.66
10600.000	Peak	39.01	7.20	46.21	74.00	-27.79

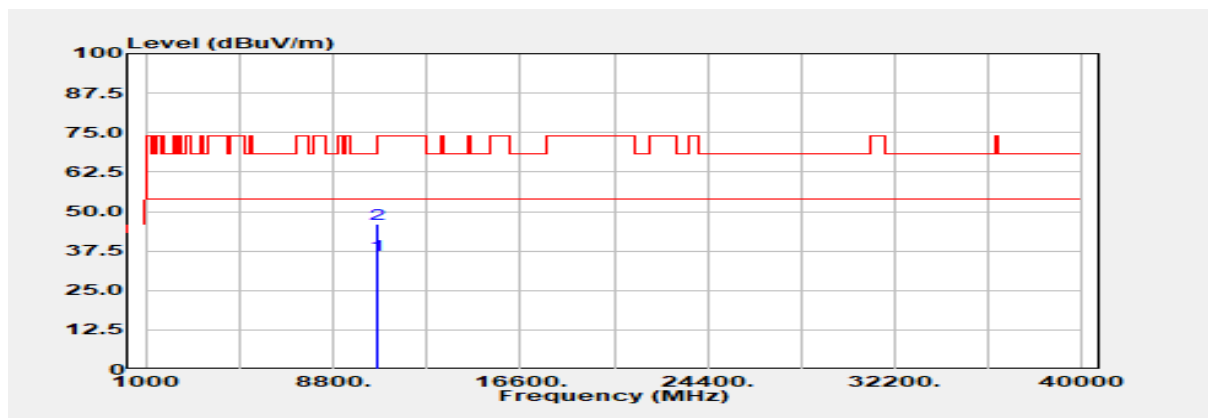
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 2  
 Test Frequency :5320 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10640.000	Average	29.14	7.26	36.40	54.00	-17.60
10640.000	Peak	38.97	7.26	46.22	74.00	-27.78

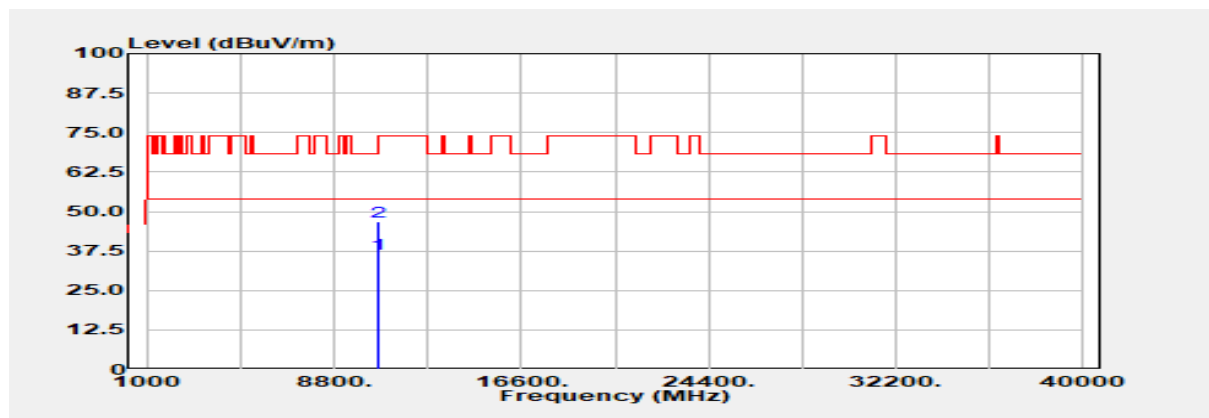
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 2  
 Test Frequency :5320 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10640.000	Average	29.19	7.26	36.45	54.00	-17.55
10640.000	Peak	39.36	7.26	46.62	74.00	-27.38

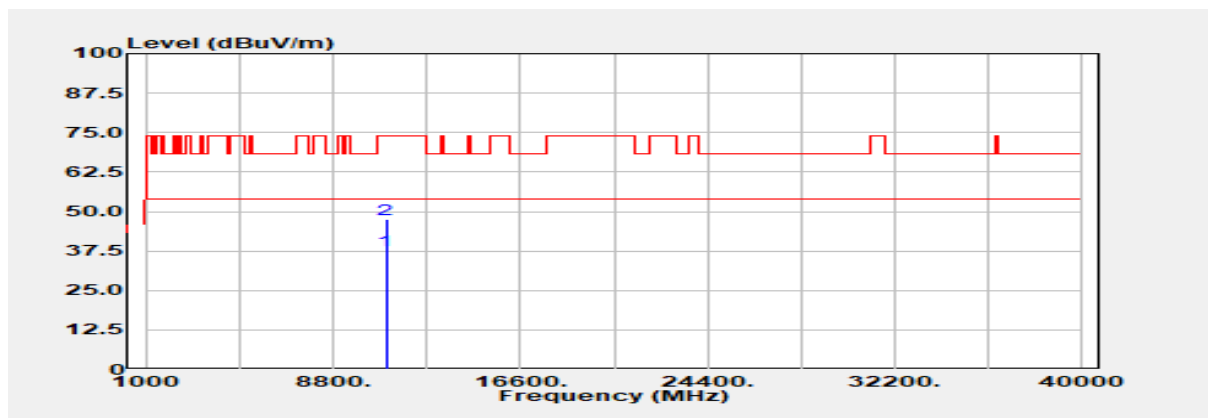
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 3  
 Test Frequency :5500 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11000.000	Average	29.37	8.48	37.85	54.00	-16.15
11000.000	Peak	39.21	8.48	47.69	74.00	-26.31

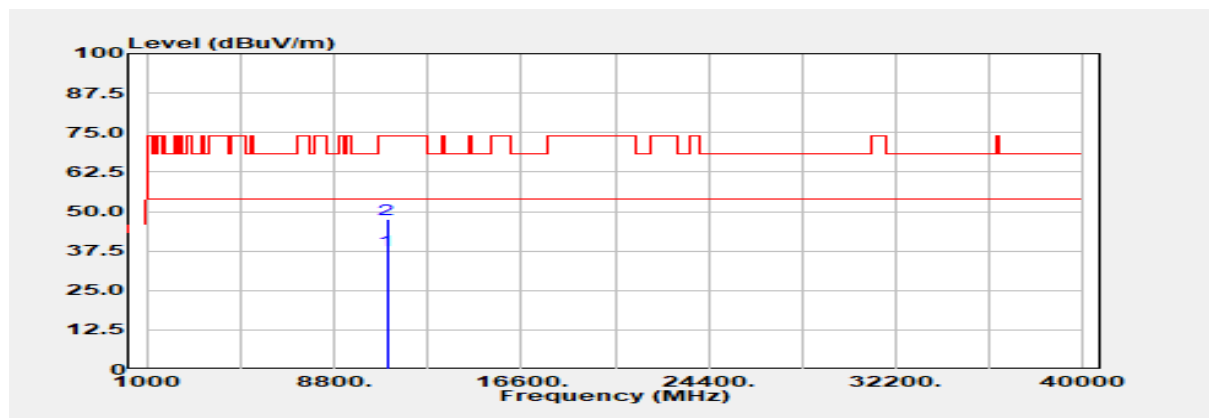
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 3  
 Test Frequency :5500 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11000.000	Average	29.27	8.48	37.75	54.00	-16.25
11000.000	Peak	39.23	8.48	47.71	74.00	-26.29

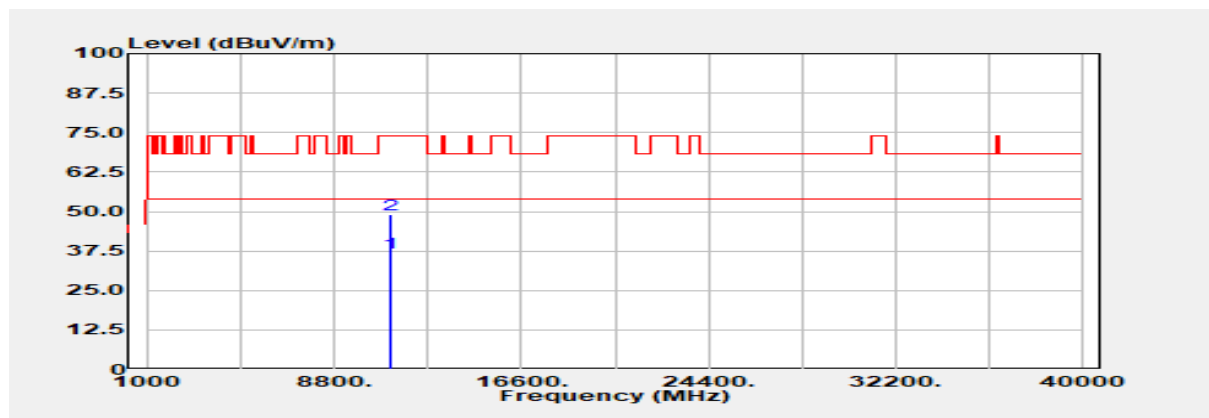
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 3  
 Test Frequency :5580 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
11160.000	Average	29.18	7.85	37.03	54.00	-16.97
11160.000	Peak	41.24	7.85	49.09	74.00	-24.91

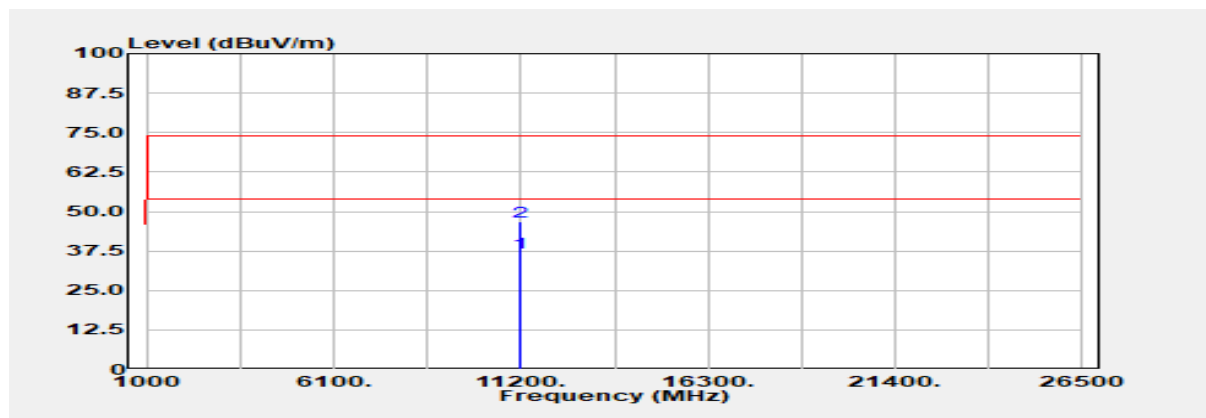
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 3  
 Test Frequency :5580 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11160.000	Average	29.17	7.85	37.03	54.00	-16.97
11160.000	Peak	39.09	7.85	46.94	74.00	-27.06

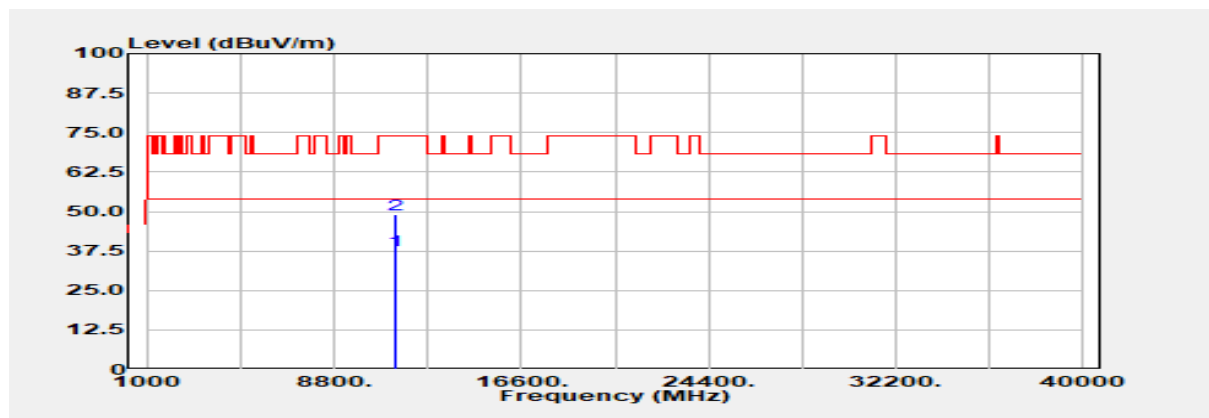
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 3  
 Test Frequency :5700 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11400.000	Average	29.10	8.45	37.55	54.00	-16.45
11400.000	Peak	40.56	8.45	49.01	74.00	-24.99

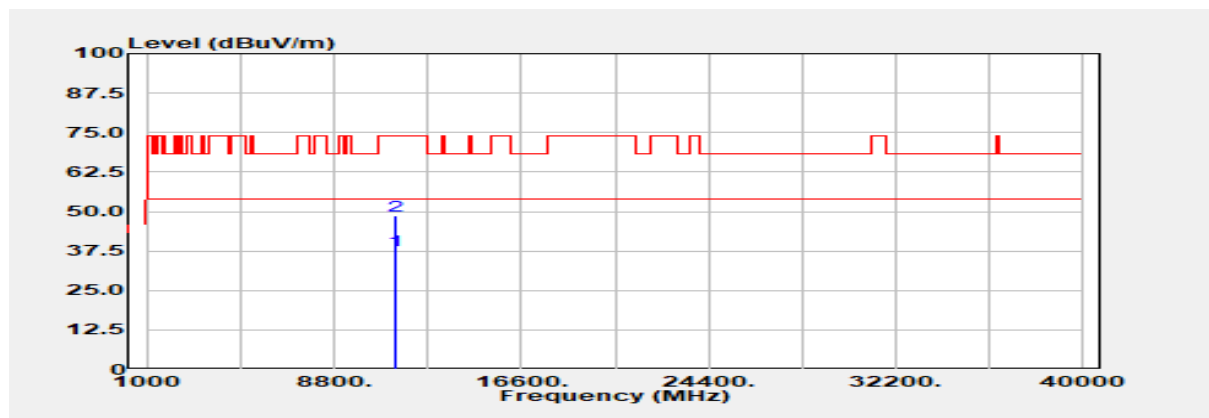
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 3  
 Test Frequency :5700 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11400.000	Average	29.17	8.45	37.62	54.00	-16.38
11400.000	Peak	40.06	8.45	48.51	74.00	-25.49

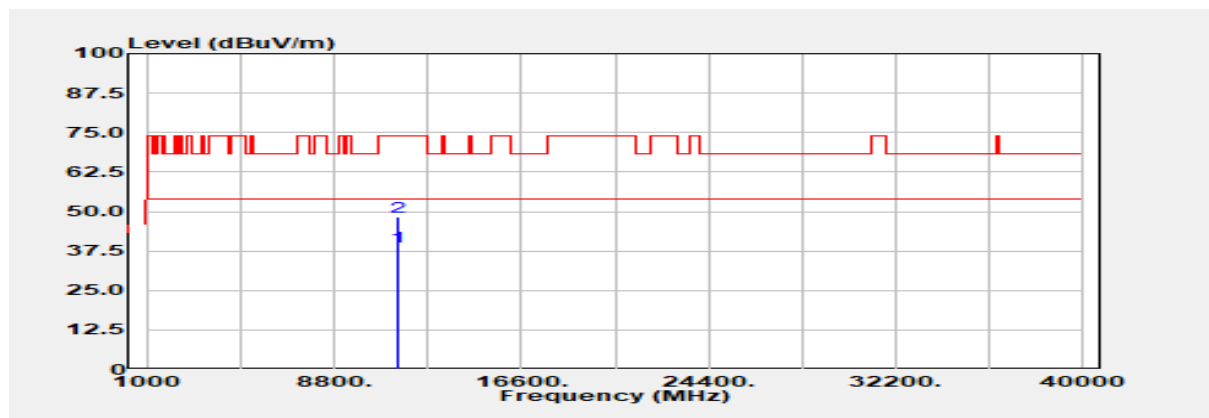
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 4  
 Test Frequency :5745 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11490.000	Average	29.80	8.99	38.79	54.00	-15.21
11490.000	Peak	39.25	8.99	48.24	74.00	-25.76

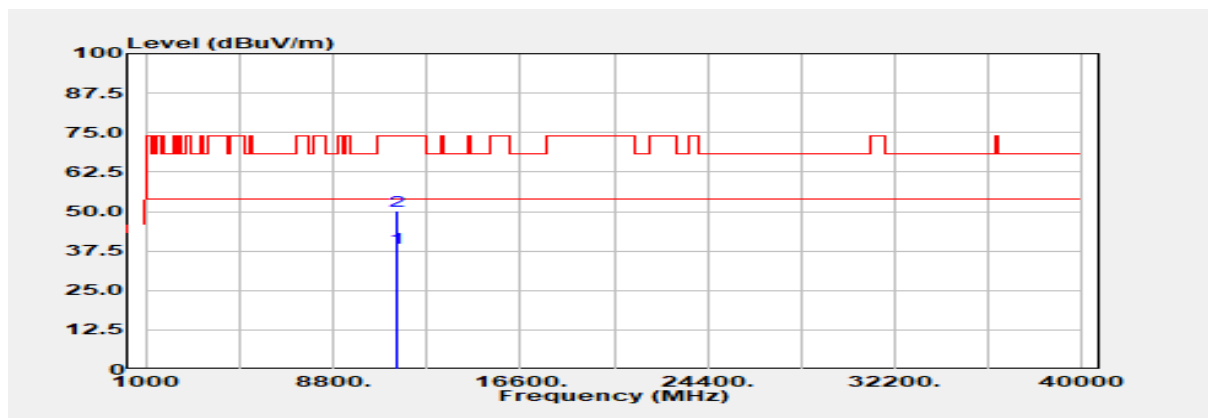
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 4  
 Test Frequency :5745 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
11490.000	Average	29.56	8.99	38.55	54.00	-15.45
11490.000	Peak	41.03	8.99	50.02	74.00	-23.98

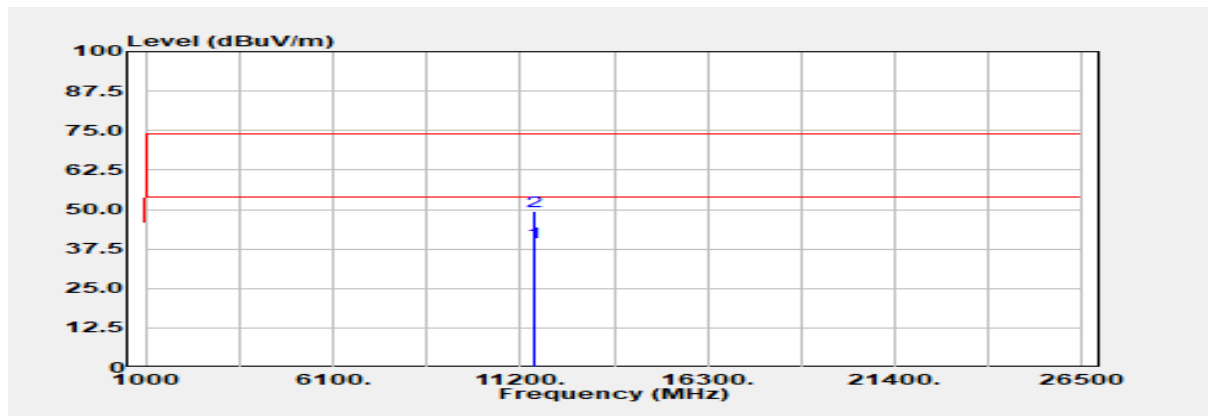
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 4  
 Test Frequency :5785 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11570.000	Average	30.88	8.65	39.53	54.00	-14.47
11570.000	Peak	40.86	8.65	49.50	74.00	-24.50

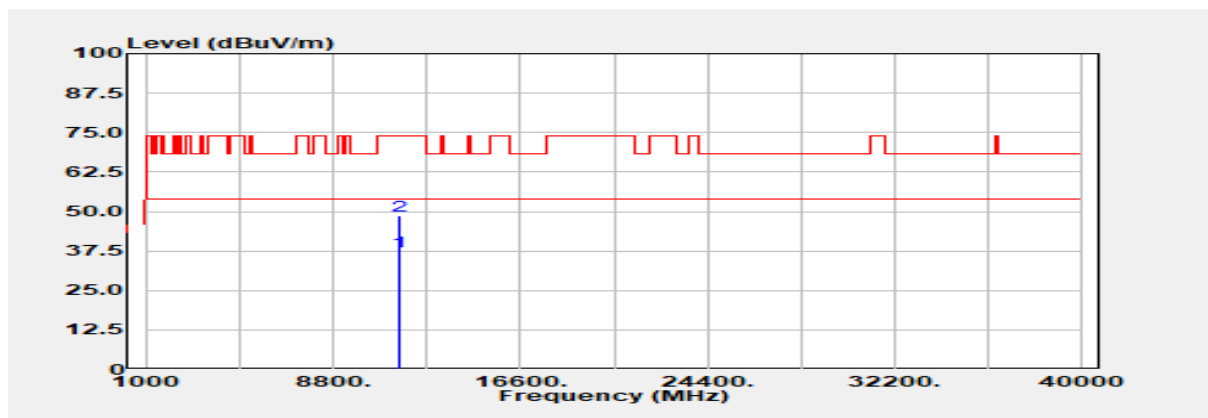
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 4  
 Test Frequency :5785 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
11570.000	Average	28.60	8.65	37.24	54.00	-16.76
11570.000	Peak	40.19	8.65	48.83	74.00	-25.17

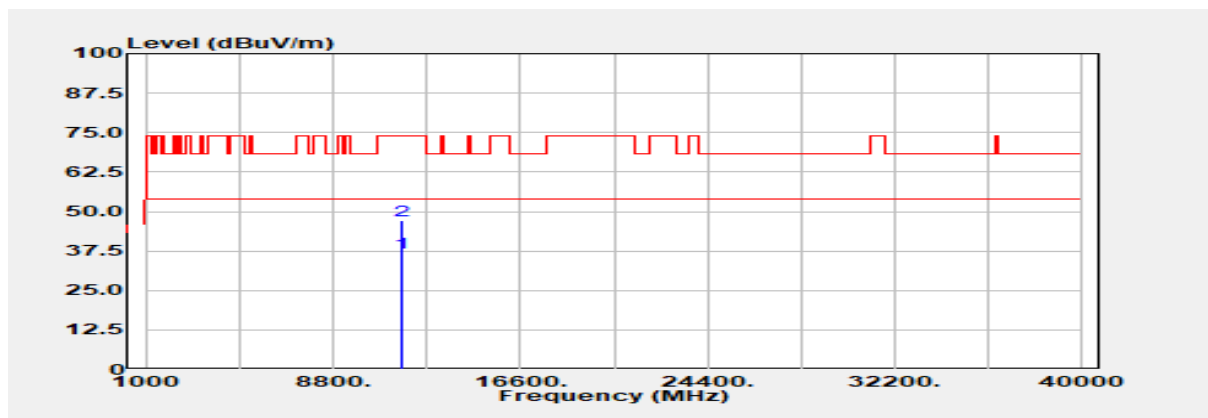
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 4  
 Test Frequency :5825 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11650.000	Average	28.98	8.07	37.05	54.00	-16.95
11650.000	Peak	38.92	8.07	46.99	74.00	-27.01

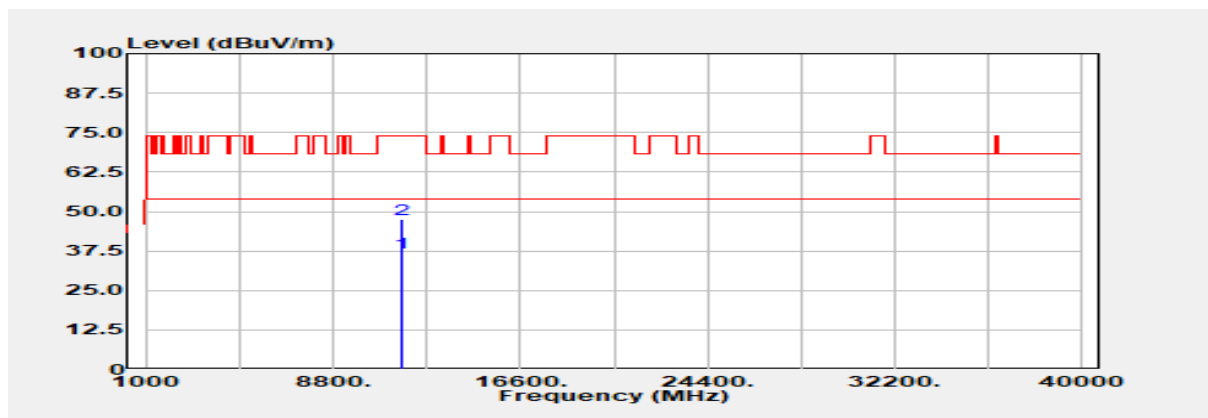
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 4  
 Test Frequency :5825 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11650.000	Average	28.99	8.07	37.06	54.00	-16.94
11650.000	Peak	39.56	8.07	47.64	74.00	-26.36

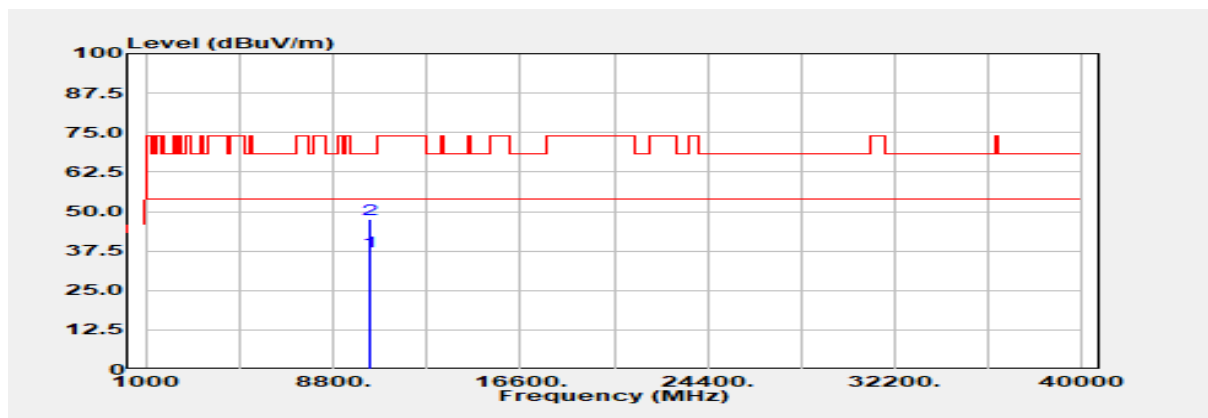
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 1  
 Test Frequency :5180 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10360.000	Average	29.43	7.86	37.28	54.00	-16.72
10360.000	Peak	39.77	7.86	47.62	68.20	-20.58

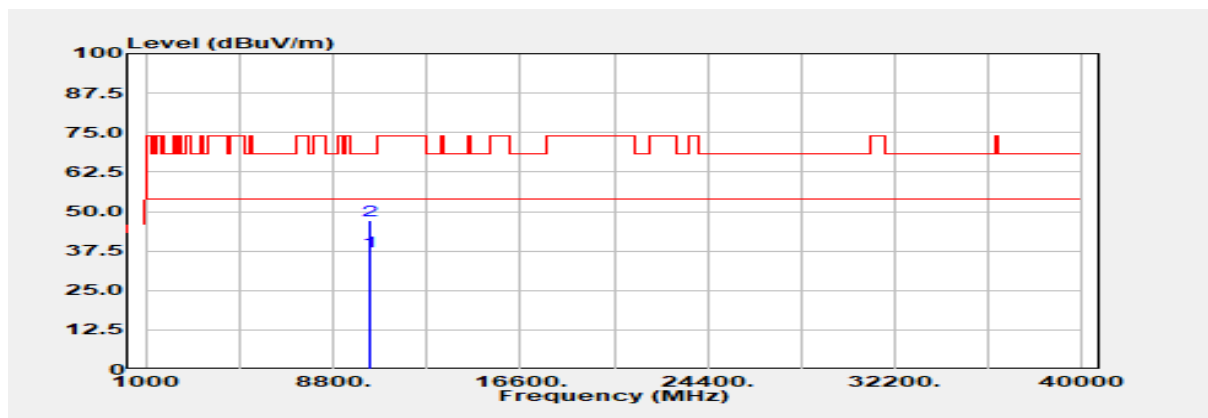
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 1  
 Test Frequency :5180 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10360.000	Average	29.38	7.86	37.24	54.00	-16.76
10360.000	Peak	39.44	7.86	47.30	68.20	-20.90

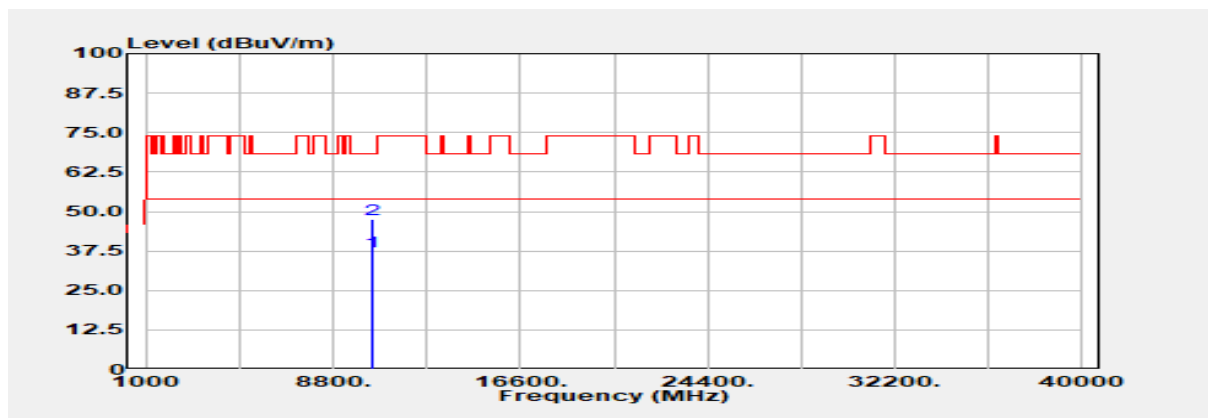
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 1  
 Test Frequency :5220 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10440.000	Average	29.23	7.95	37.17	54.00	-16.83
10440.000	Peak	39.42	7.95	47.37	68.20	-20.83

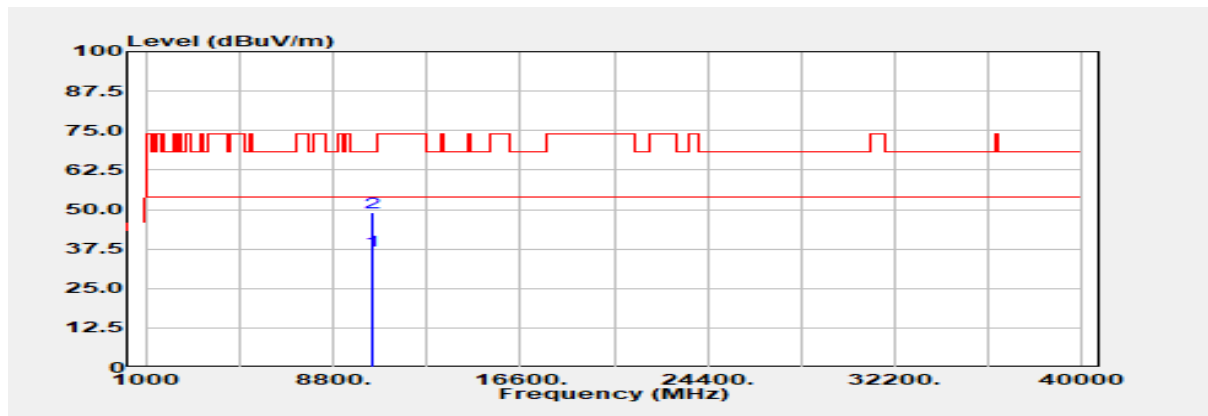
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 1  
 Test Frequency :5220 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10440.000	Average	29.14	7.95	37.09	54.00	-16.91
10440.000	Peak	41.06	7.95	49.01	68.20	-19.19

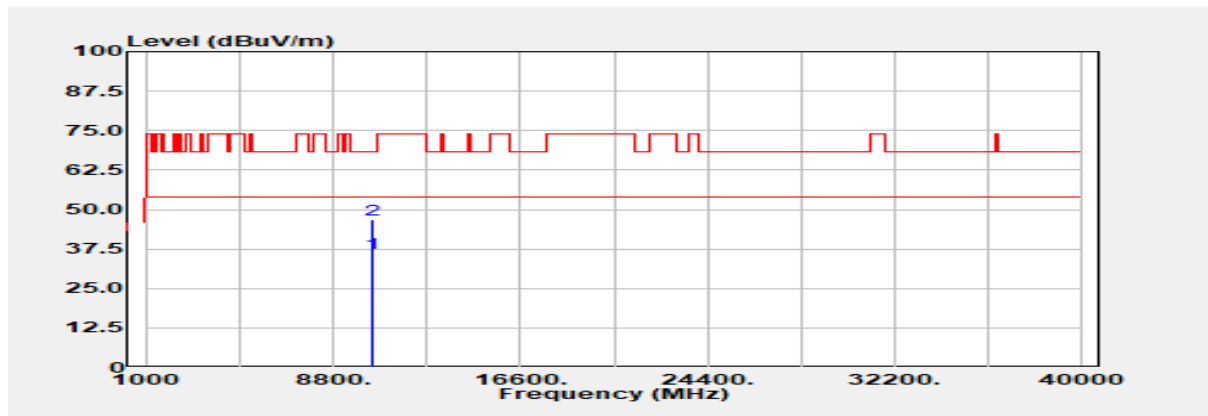
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 1  
 Test Frequency :5240 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10480.000	Average	29.10	7.28	36.38	54.00	-17.62
10480.000	Peak	39.35	7.28	46.63	68.20	-21.57

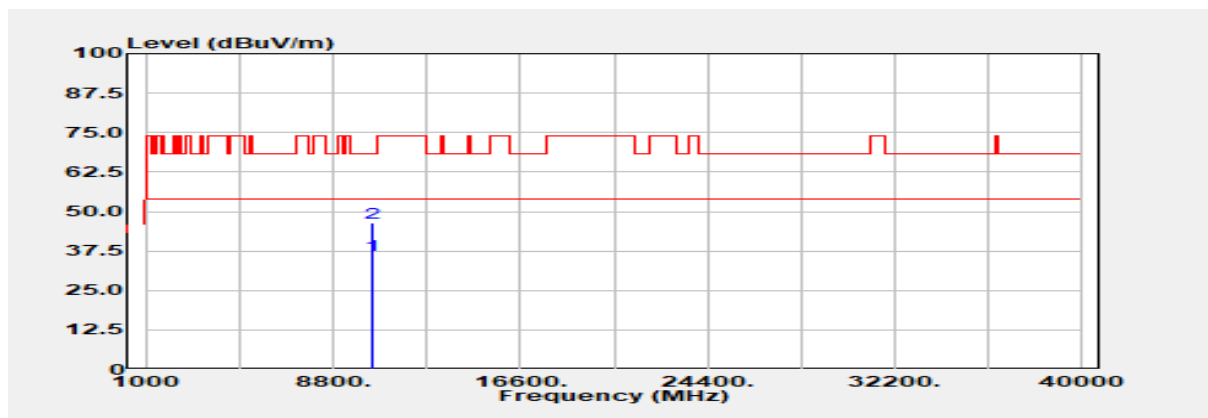
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 1  
 Test Frequency :5240 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10480.000	Average	29.11	7.28	36.39	54.00	-17.61
10480.000	Peak	39.04	7.28	46.32	68.20	-21.88

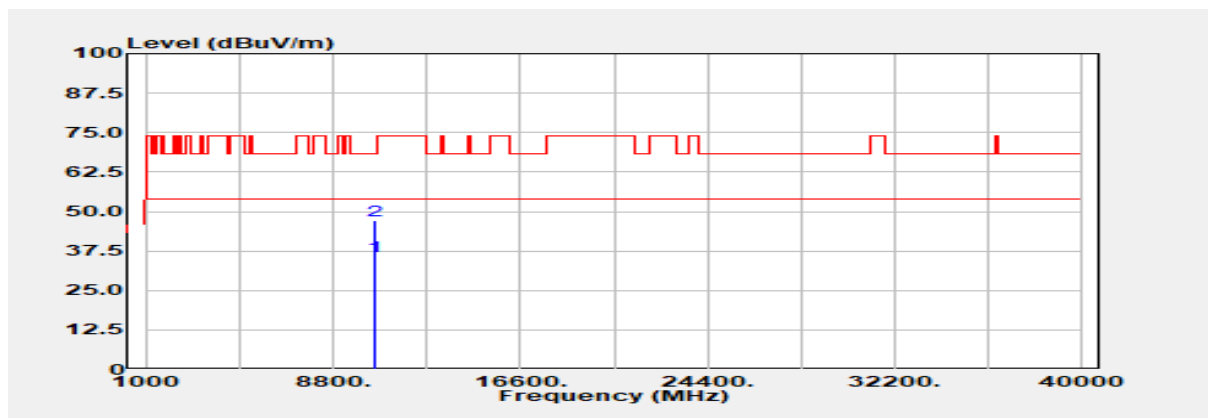
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 2  
 Test Frequency :5260 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10520.000	Average	29.15	6.79	35.94	54.00	-18.06
10520.000	Peak	40.49	6.79	47.29	68.20	-20.91

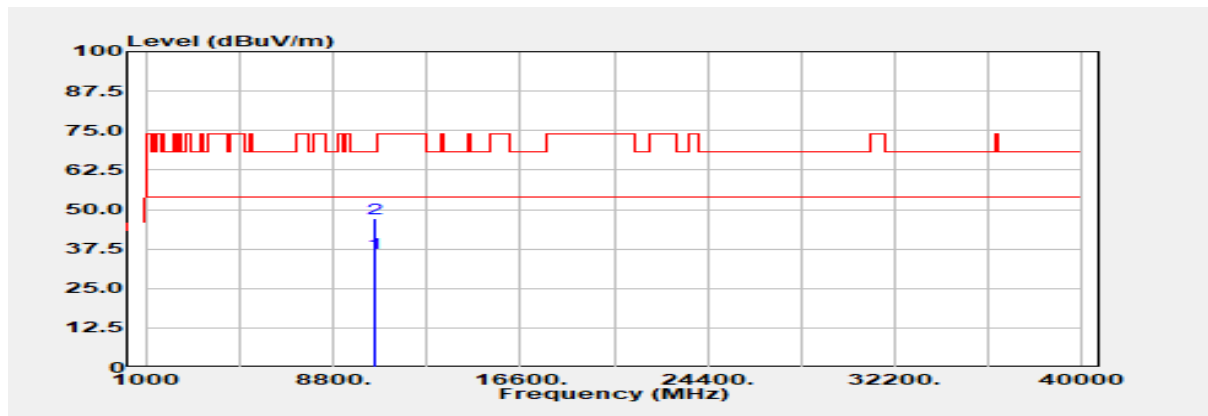
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 2  
 Test Frequency :5260 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10520.000	Average	29.26	6.79	36.06	54.00	-17.94
10520.000	Peak	40.39	6.79	47.18	68.20	-21.02

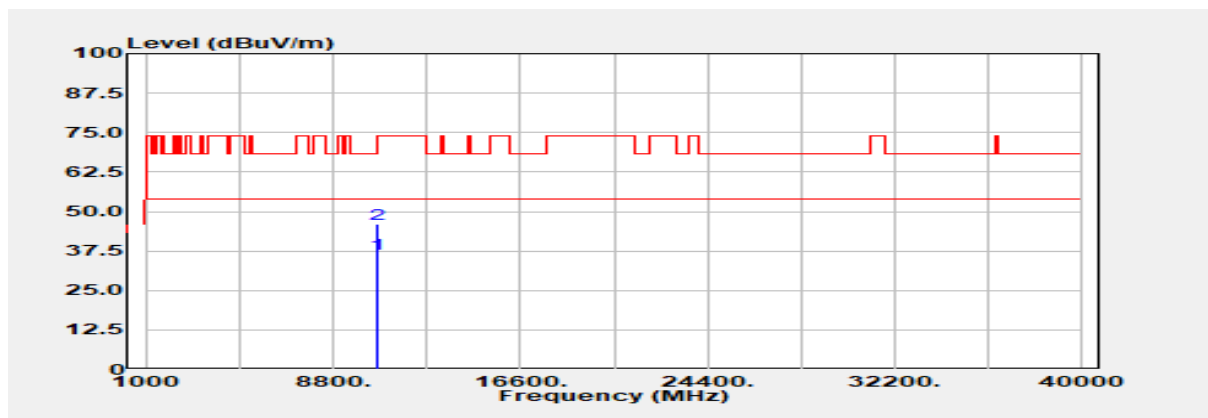
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 2  
 Test Frequency :5300 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10600.000	Average	29.45	7.20	36.65	54.00	-17.35
10600.000	Peak	38.73	7.20	45.93	74.00	-28.07

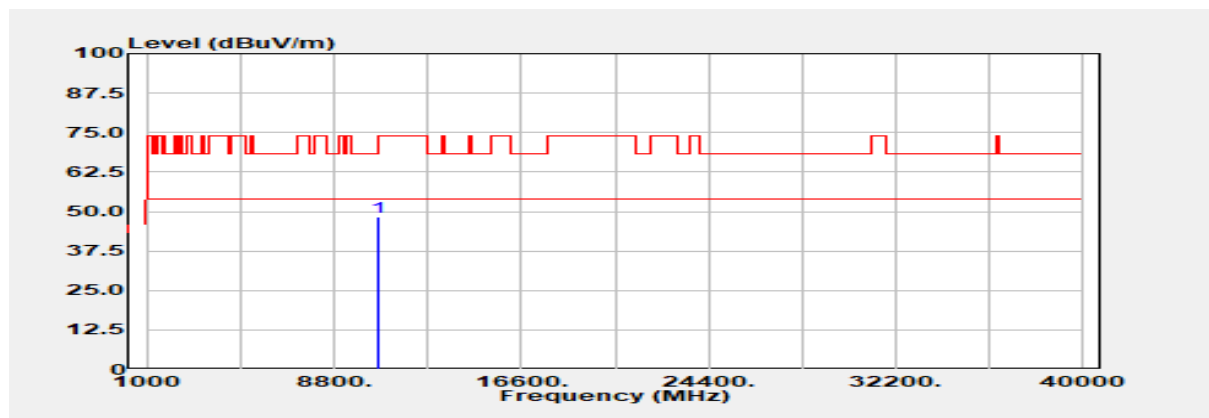
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 2  
 Test Frequency :5300 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10600.000	Peak	41.09	7.20	48.29	74.00	-25.71

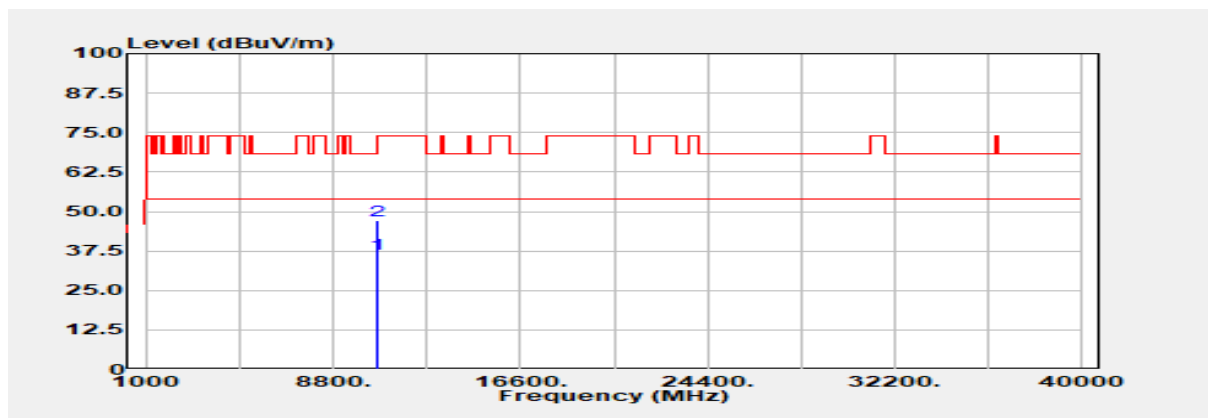
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 2  
 Test Frequency :5320 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10640.000	Average	29.43	7.26	36.69	54.00	-17.31
10640.000	Peak	39.88	7.26	47.14	74.00	-26.86

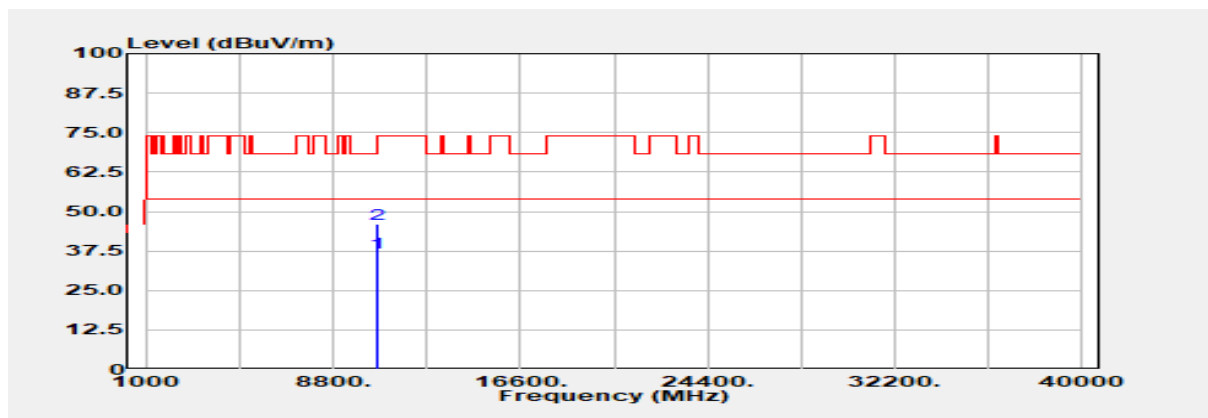
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 2  
 Test Frequency :5320 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10640.000	Average	29.55	7.26	36.81	54.00	-17.19
10640.000	Peak	38.93	7.26	46.19	74.00	-27.81

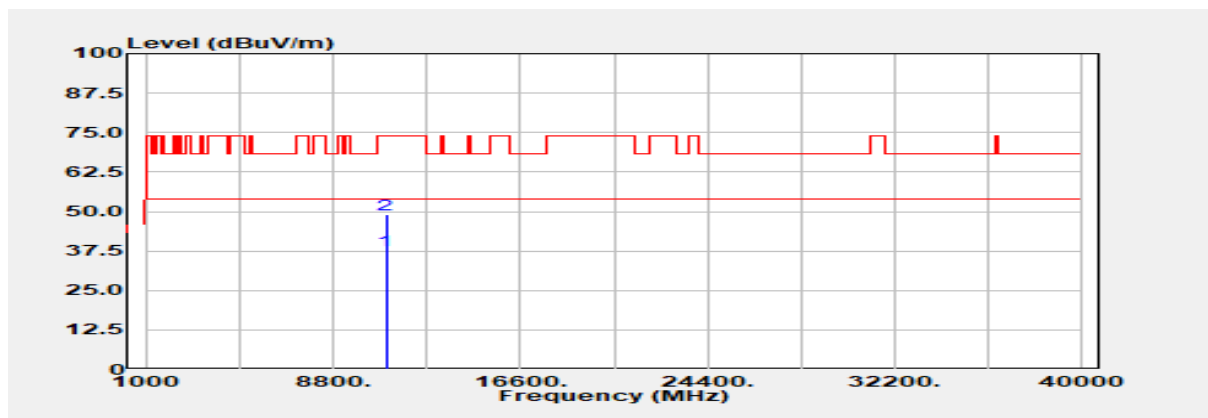
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 3  
 Test Frequency :5500 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11000.000	Average	29.26	8.48	37.74	54.00	-16.26
11000.000	Peak	40.60	8.48	49.08	74.00	-24.92

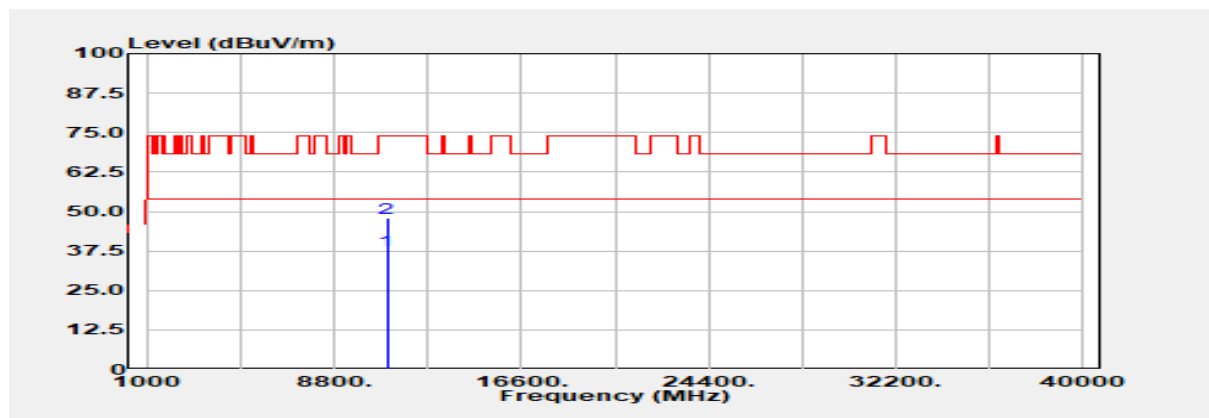
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 3  
 Test Frequency :5500 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11000.000	Average	29.37	8.48	37.85	54.00	-16.15
11000.000	Peak	39.28	8.48	47.76	74.00	-26.24

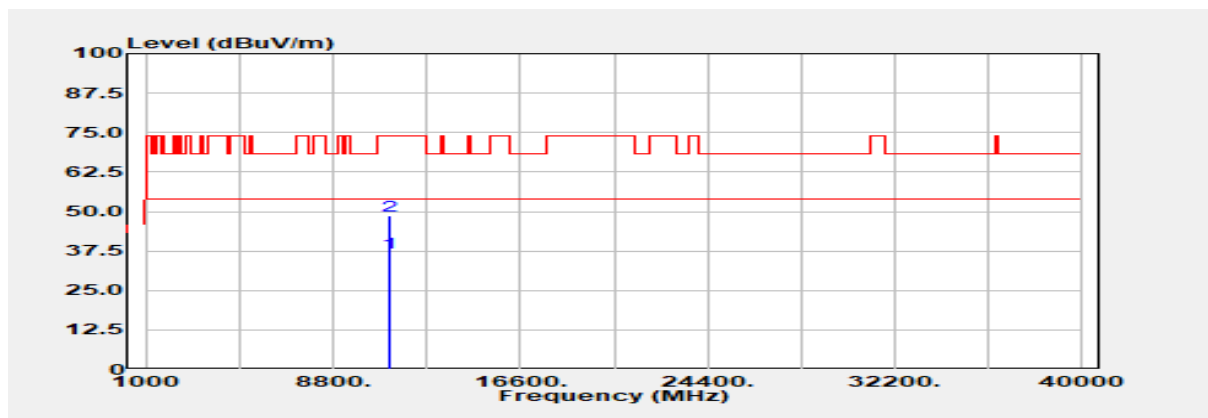
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 3  
 Test Frequency :5580 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
11160.000	Average	29.21	7.85	37.06	54.00	-16.94
11160.000	Peak	40.78	7.85	48.63	74.00	-25.37

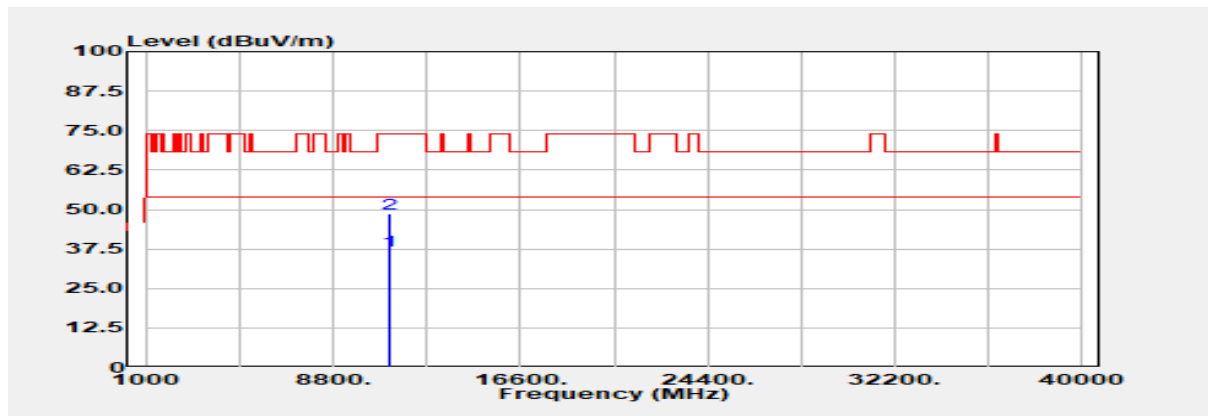
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 3  
 Test Frequency :5580 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11160.000	Average	29.21	7.85	37.06	54.00	-16.94
11160.000	Peak	40.75	7.85	48.60	74.00	-25.40

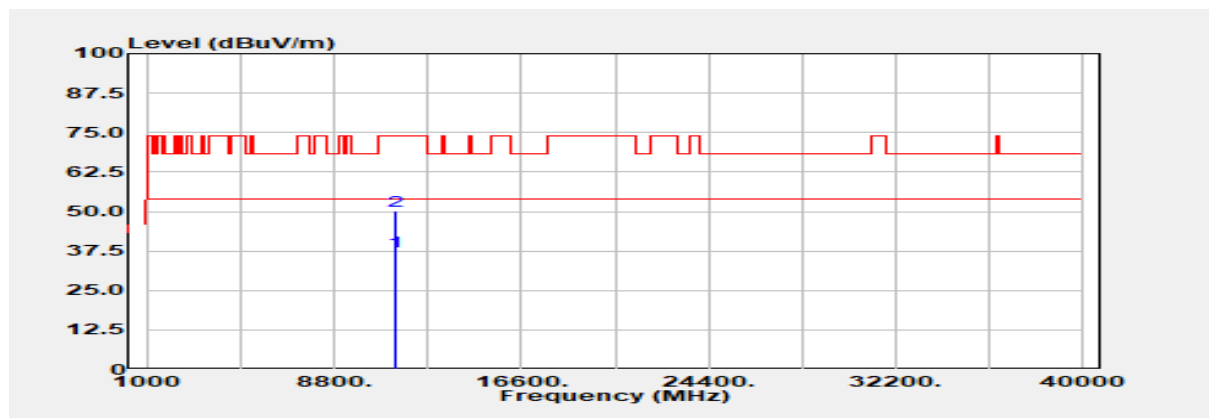
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 3  
 Test Frequency :5700 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11400.000	Average	29.08	8.45	37.54	54.00	-16.46
11400.000	Peak	41.66	8.45	50.11	74.00	-23.89

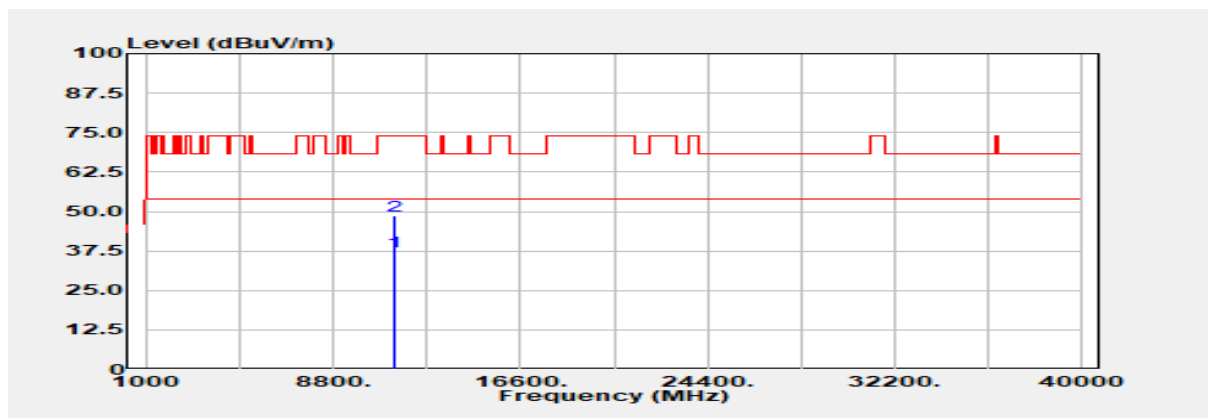
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 3  
 Test Frequency :5700 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
11400.000	Average	29.04	8.45	37.49	54.00	-16.51
11400.000	Peak	40.26	8.45	48.72	74.00	-25.28

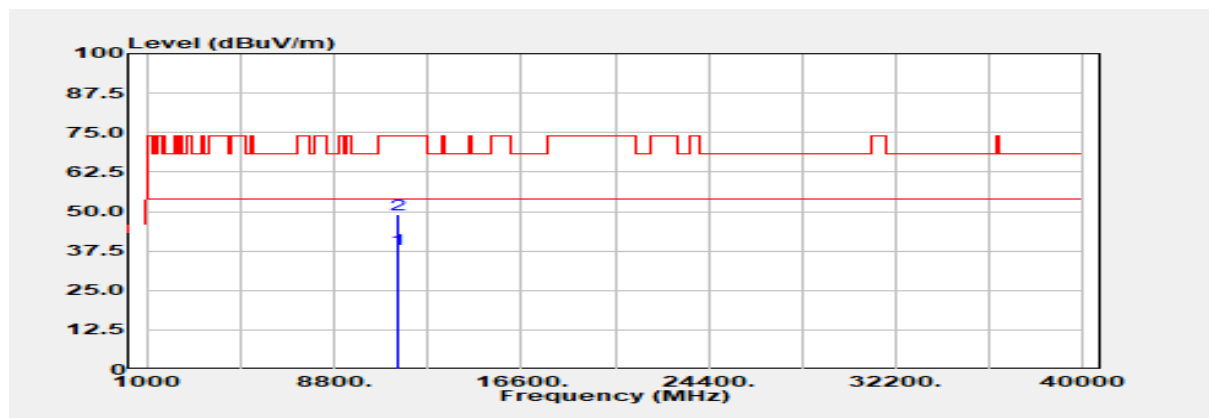
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 4  
 Test Frequency :5745 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
11490.000	Average	29.24	8.99	38.23	54.00	-15.77
11490.000	Peak	39.90	8.99	48.89	74.00	-25.11

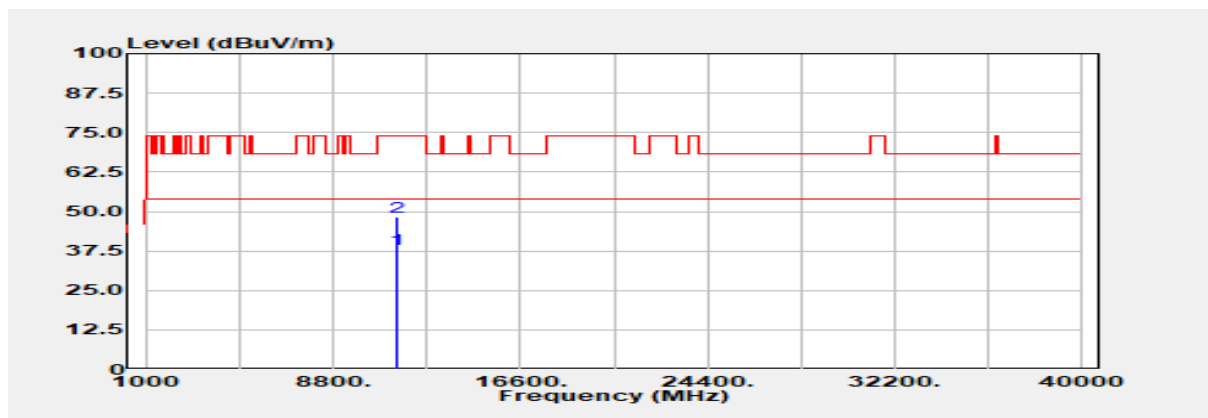
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 2  
 Test Frequency :5745 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
11490.000	Average	29.10	8.99	38.09	54.00	-15.91
11490.000	Peak	39.31	8.99	48.29	74.00	-25.71

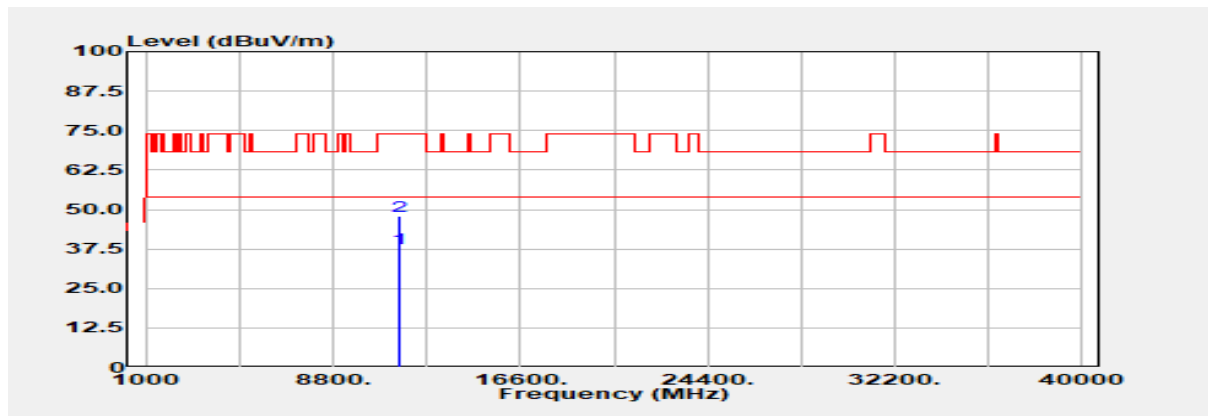
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 2  
 Test Frequency :5785 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11570.000	Average	29.07	8.65	37.71	54.00	-16.29
11570.000	Peak	39.10	8.65	47.74	74.00	-26.26

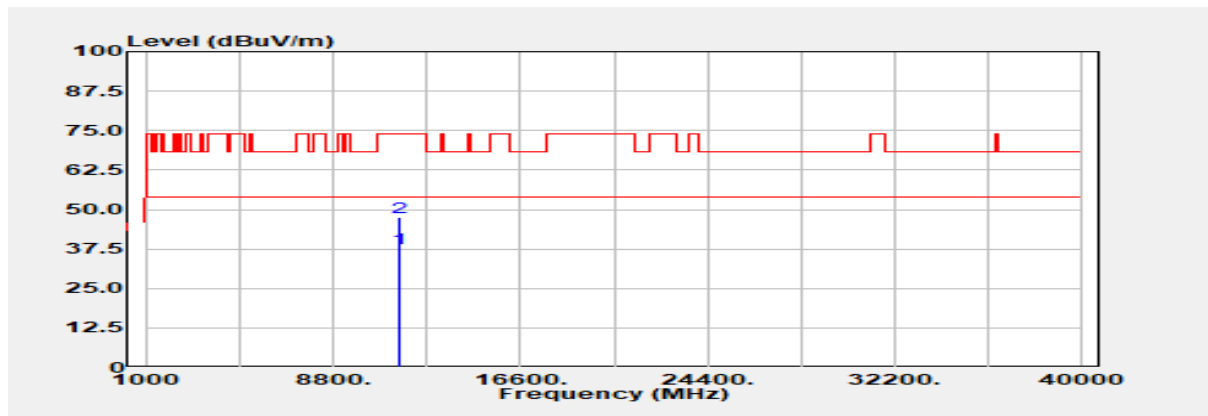
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 2  
 Test Frequency :5785 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
11570.000	Average	29.11	8.65	37.76	54.00	-16.24
11570.000	Peak	38.74	8.65	47.39	74.00	-26.61

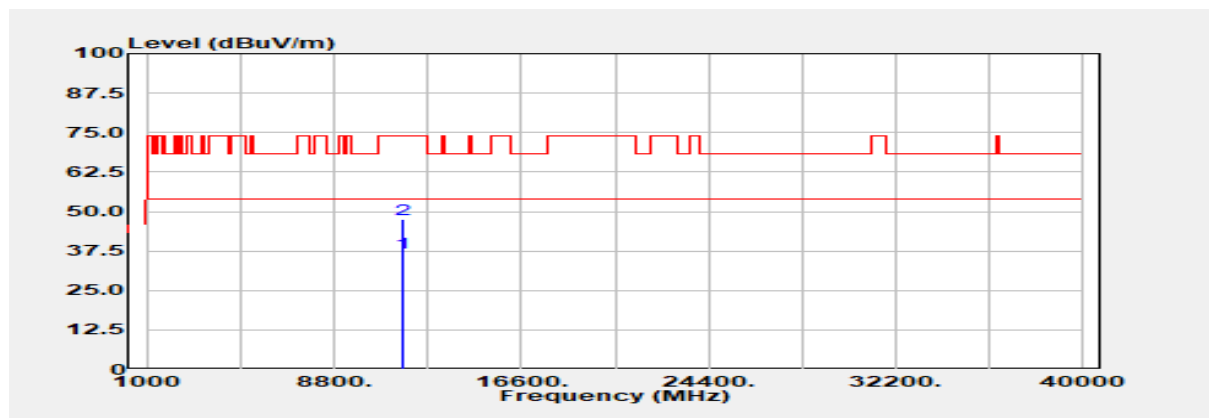
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 2  
 Test Frequency :5825 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11650.000	Average	29.07	8.07	37.14	54.00	-16.86
11650.000	Peak	39.31	8.07	47.38	74.00	-26.62

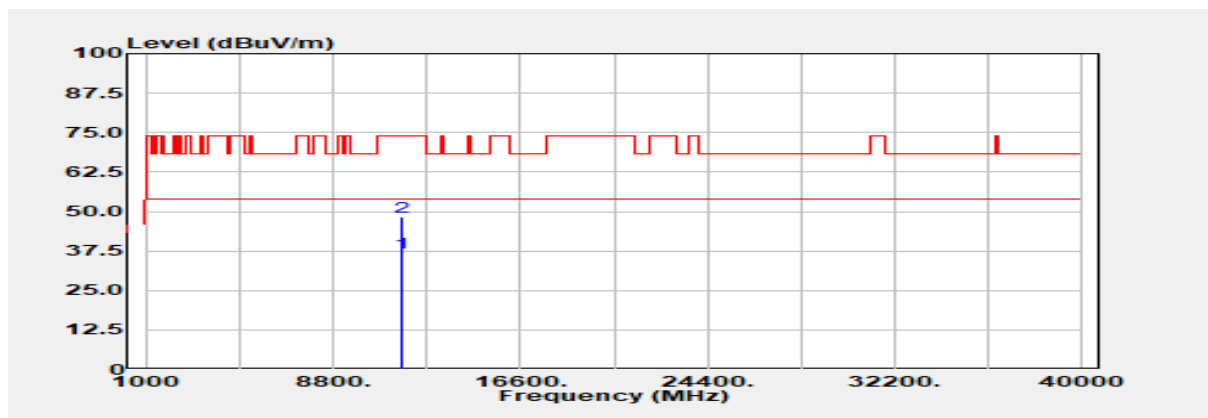
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 2  
 Test Frequency :5825 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11650.000	Average	29.06	8.07	37.13	54.00	-16.87
11650.000	Peak	40.12	8.07	48.19	74.00	-25.81

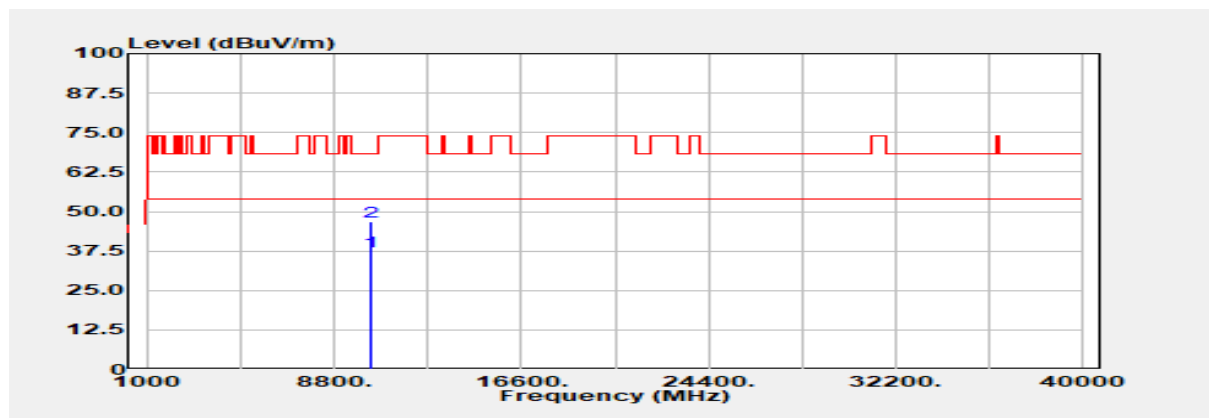
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 1  
 Test Frequency :5190 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10380.000	Average	29.47	7.88	37.34	54.00	-16.66
10380.000	Peak	38.75	7.88	46.63	68.20	-21.57

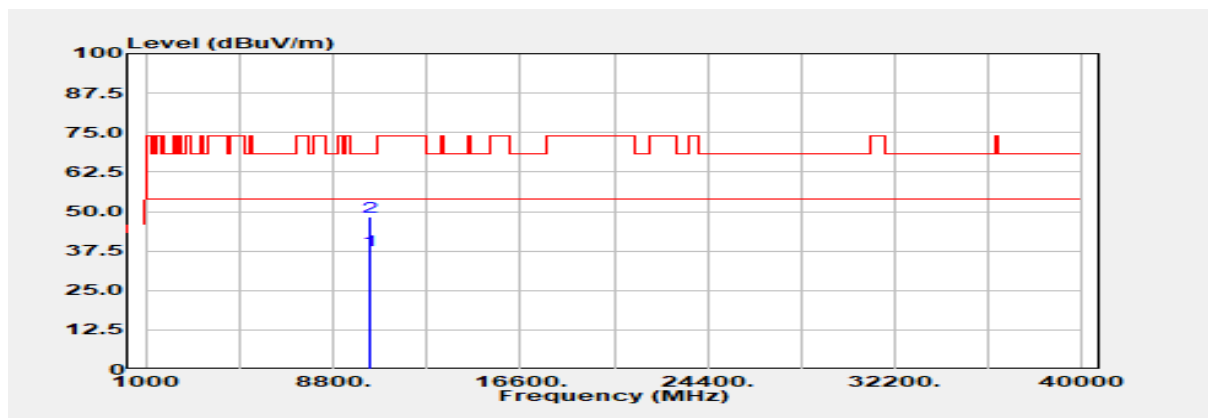
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 1  
 Test Frequency :5190 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10380.000	Average	29.69	7.88	37.56	54.00	-16.44
10380.000	Peak	40.32	7.88	48.20	68.20	-20.00

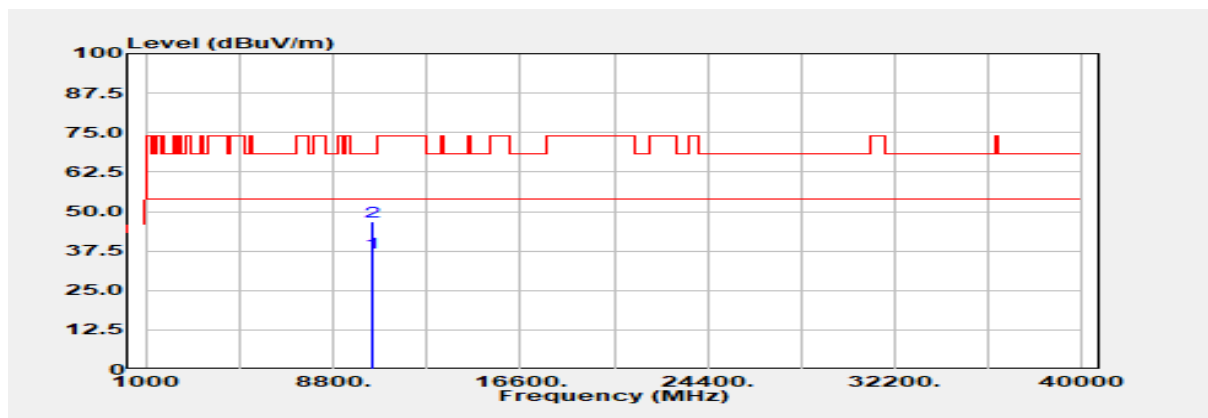
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 1  
 Test Frequency :5230 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10460.000	Average	29.10	7.73	36.83	54.00	-17.17
10460.000	Peak	39.17	7.73	46.90	68.20	-21.30

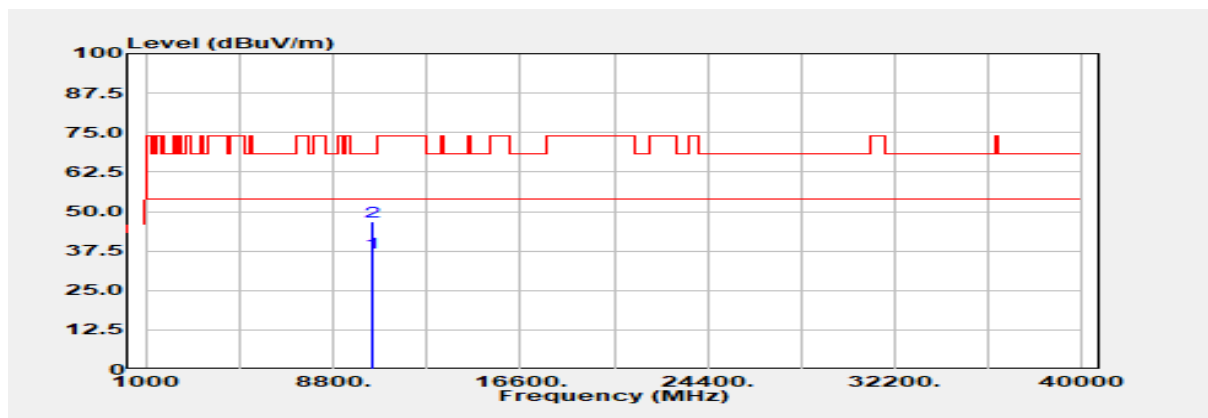
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 1  
 Test Frequency :5230 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :21.2/67  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10460.000	Average	29.29	7.73	37.02	54.00	-16.98
10460.000	Peak	39.10	7.73	46.83	68.20	-21.37

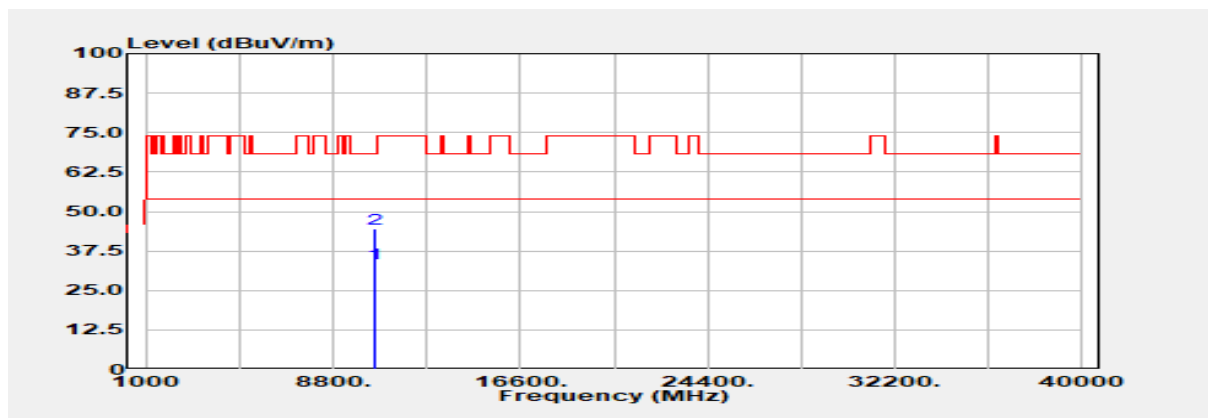
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 2  
 Test Frequency :5270 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10540.000	Average	26.98	6.76	33.74	54.00	-20.26
10540.000	Peak	37.93	6.76	44.69	68.20	-23.51

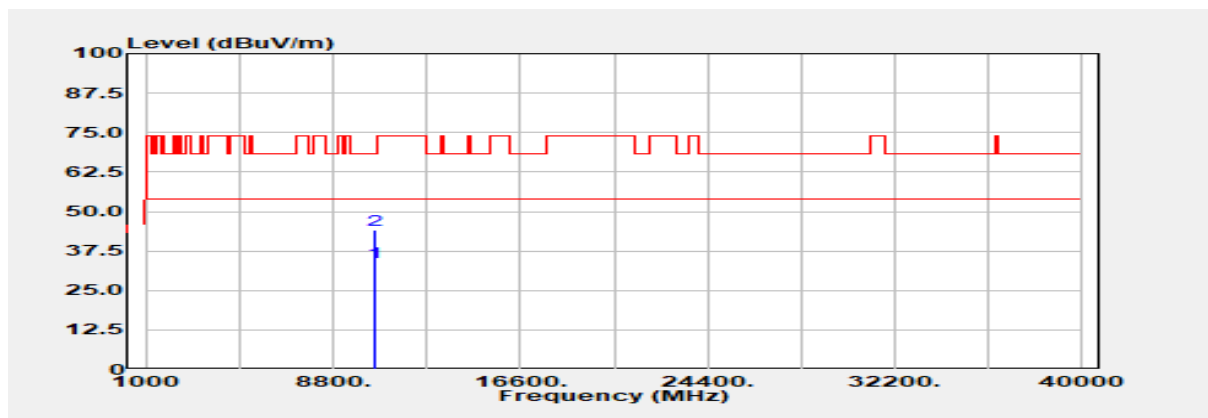
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 2  
 Test Frequency :5270 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10540.000	Average	27.27	6.76	34.03	54.00	-19.97
10540.000	Peak	37.32	6.76	44.08	68.20	-24.12

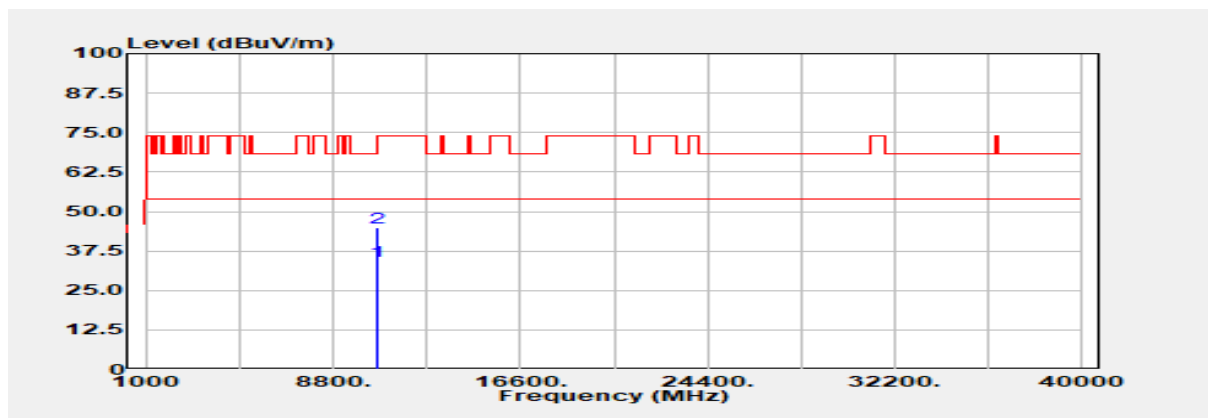
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 2  
 Test Frequency :5310 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10620.000	Average	27.12	7.23	34.35	54.00	-19.65
10620.000	Peak	37.63	7.23	44.86	74.00	-29.14

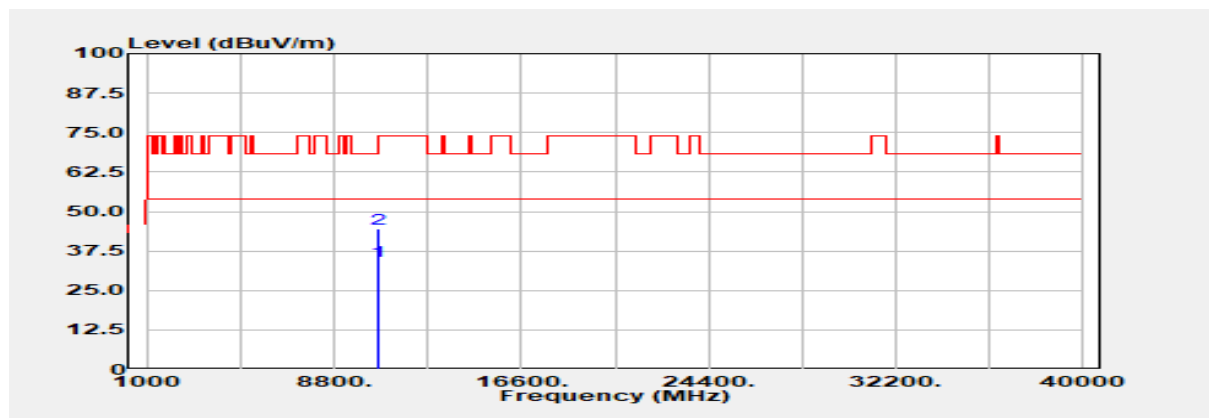
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 2  
 Test Frequency :5310 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10620.000	Average	27.13	7.23	34.36	54.00	-19.64
10620.000	Peak	37.47	7.23	44.70	74.00	-29.30

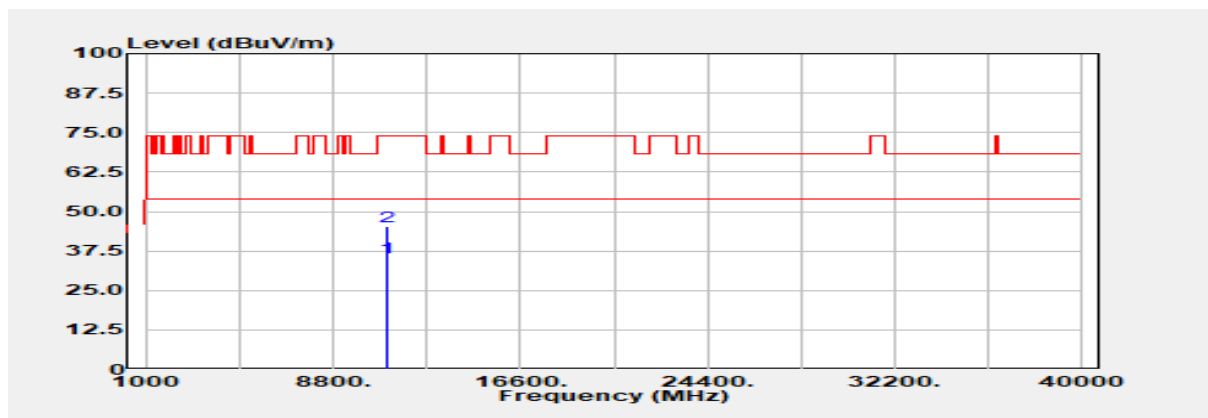
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 3  
 Test Frequency :5510 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11020.000	Average	27.29	8.36	35.65	54.00	-18.35
11020.000	Peak	37.05	8.36	45.41	74.00	-28.59

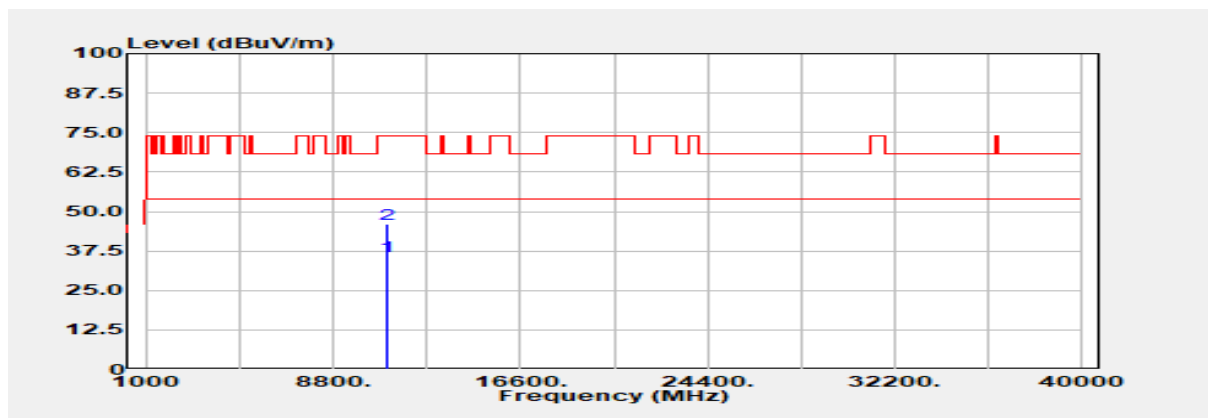
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 3  
 Test Frequency :5510 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11020.000	Average	27.33	8.36	35.69	54.00	-18.31
11020.000	Peak	37.77	8.36	46.13	74.00	-27.87

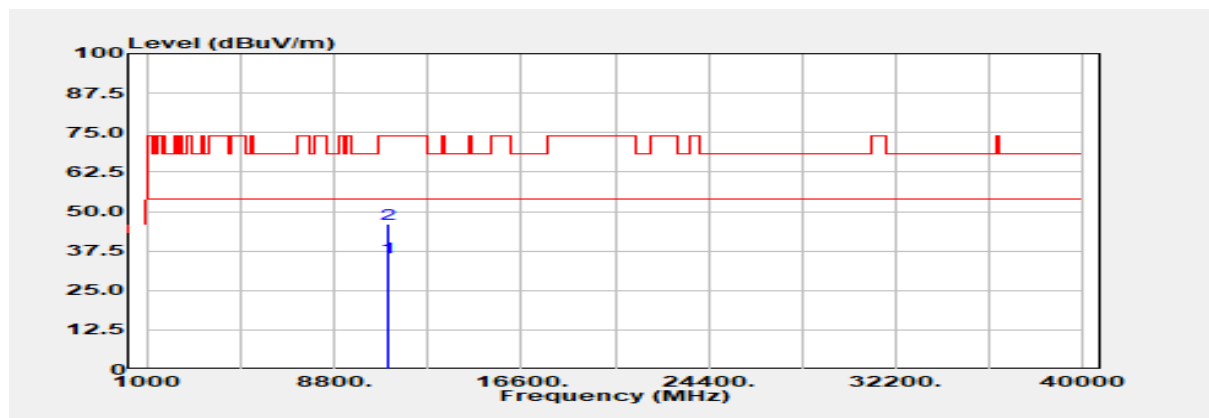
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 3  
 Test Frequency :5550 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11100.000	Average	27.46	8.00	35.46	54.00	-18.54
11100.000	Peak	37.96	8.00	45.96	74.00	-28.04

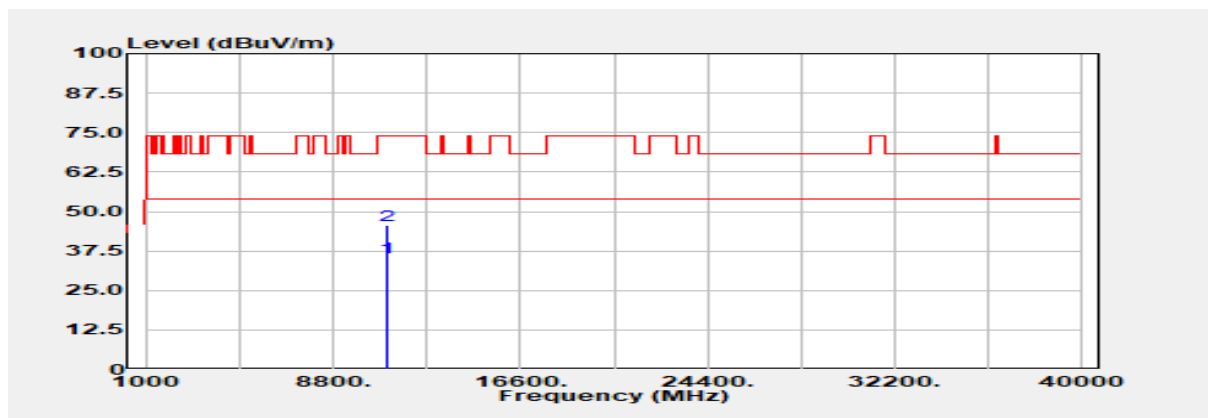
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 3  
 Test Frequency :5550 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11100.000	Average	27.31	8.00	35.31	54.00	-18.69
11100.000	Peak	37.60	8.00	45.60	74.00	-28.40

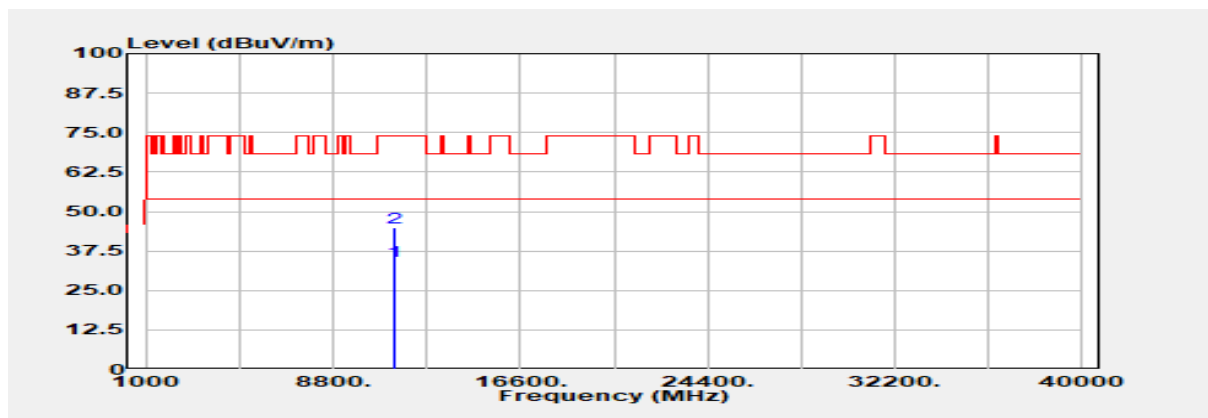
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 3  
 Test Frequency :5670 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11340.000	Average	26.79	7.44	34.23	54.00	-19.77
11340.000	Peak	37.59	7.44	45.03	74.00	-28.97

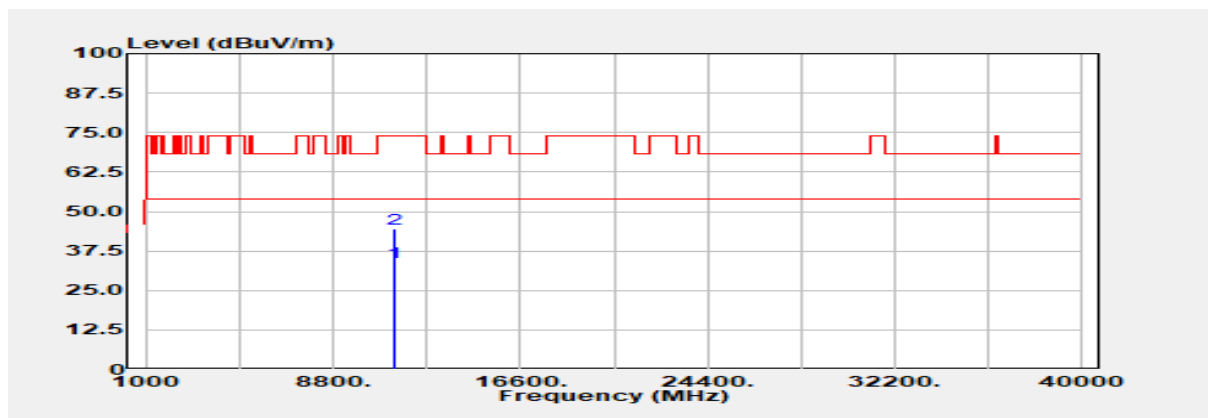
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 3  
 Test Frequency :5670 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11340.000	Average	26.64	7.44	34.08	54.00	-19.92
11340.000	Peak	37.25	7.44	44.69	74.00	-29.31

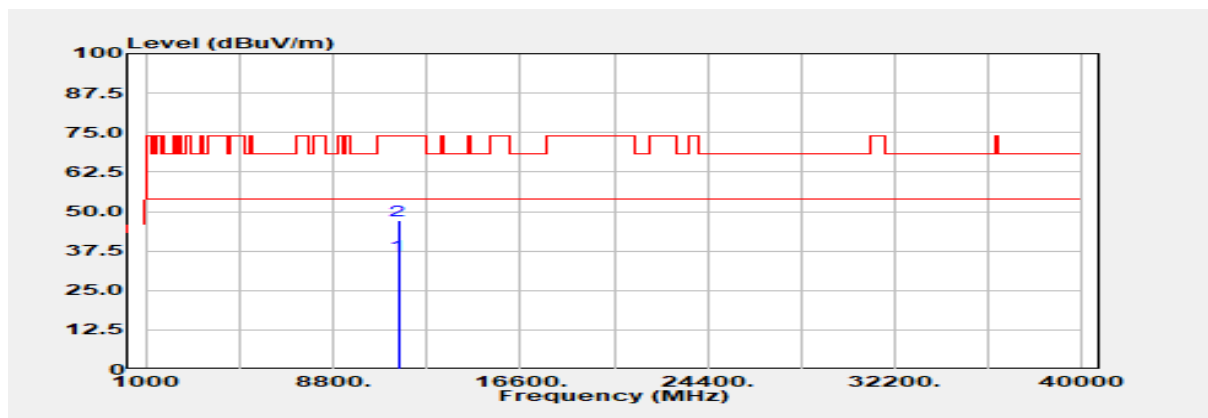
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 4  
 Test Frequency :5755 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11510.000	Average	27.12	9.05	36.17	54.00	-17.83
11510.000	Peak	38.27	9.05	47.32	74.00	-26.68

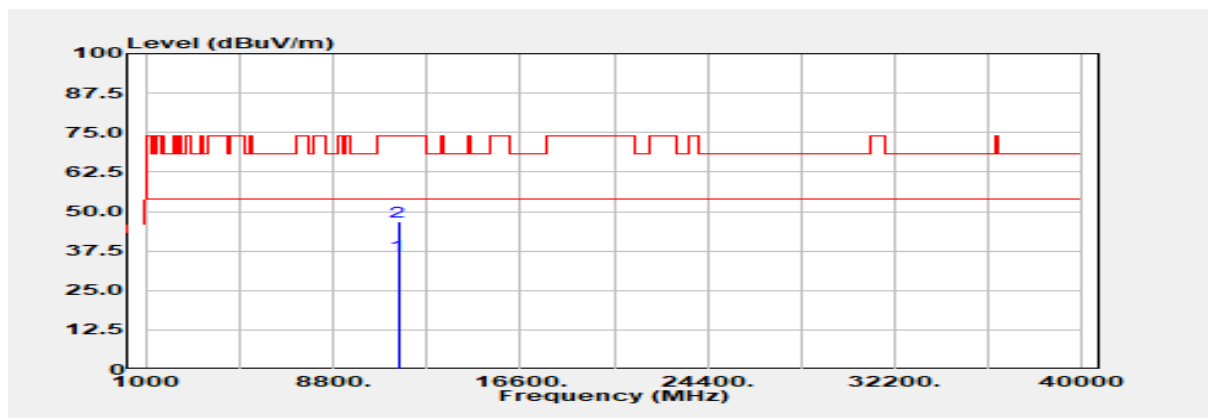
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 4  
 Test Frequency :5755 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
11510.000	Average	27.32	9.05	36.37	54.00	-17.63
11510.000	Peak	37.69	9.05	46.73	74.00	-27.27

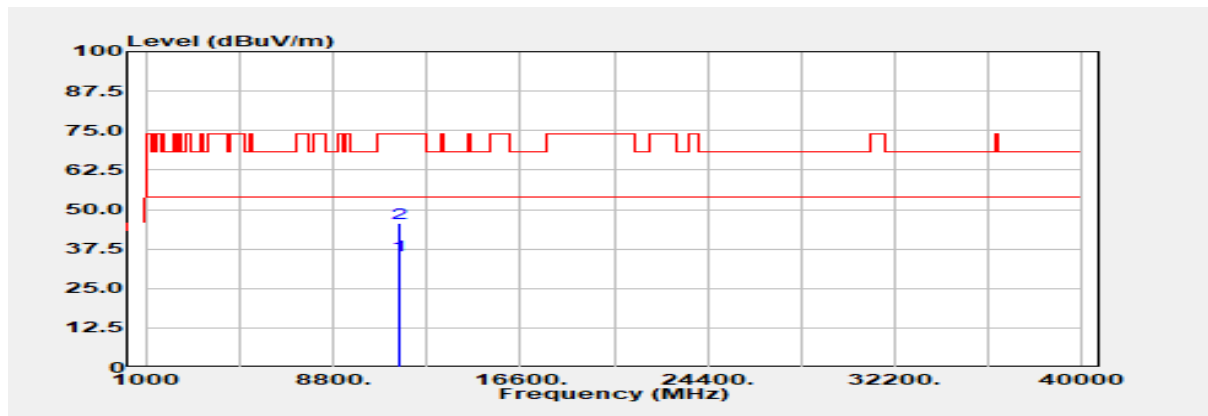
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 4  
 Test Frequency :5795 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11590.000	Average	27.11	8.44	35.55	54.00	-18.45
11590.000	Peak	37.17	8.44	45.61	74.00	-28.39

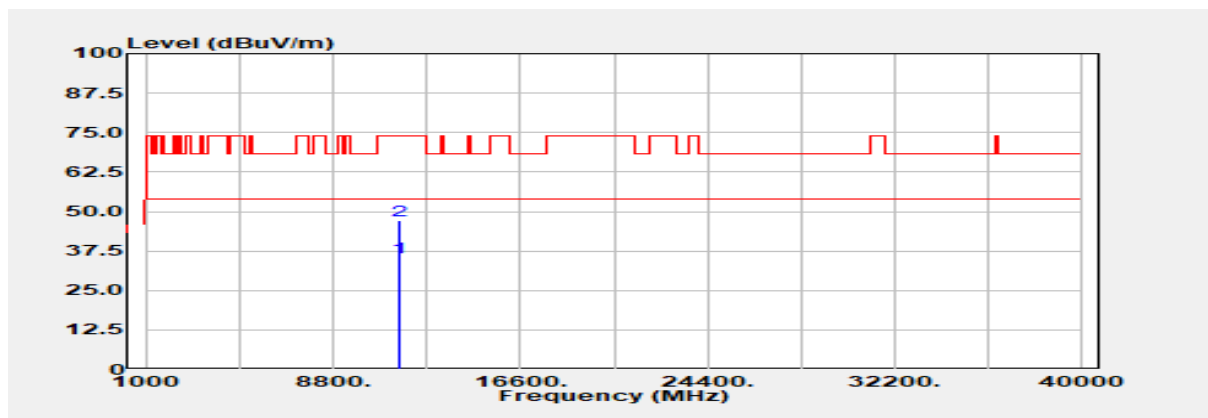
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 4  
 Test Frequency :5795 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11590.000	Average	26.98	8.44	35.42	54.00	-18.58
11590.000	Peak	38.74	8.44	47.17	74.00	-26.83

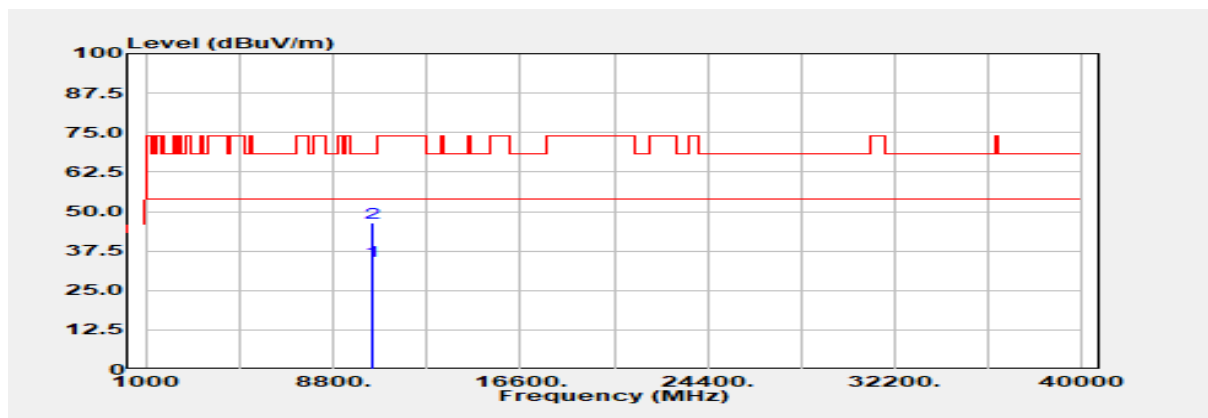
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 1  
 Test Frequency :5210 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10420.000	Average	26.29	7.92	34.21	54.00	-19.79
10420.000	Peak	38.65	7.92	46.58	68.20	-21.62

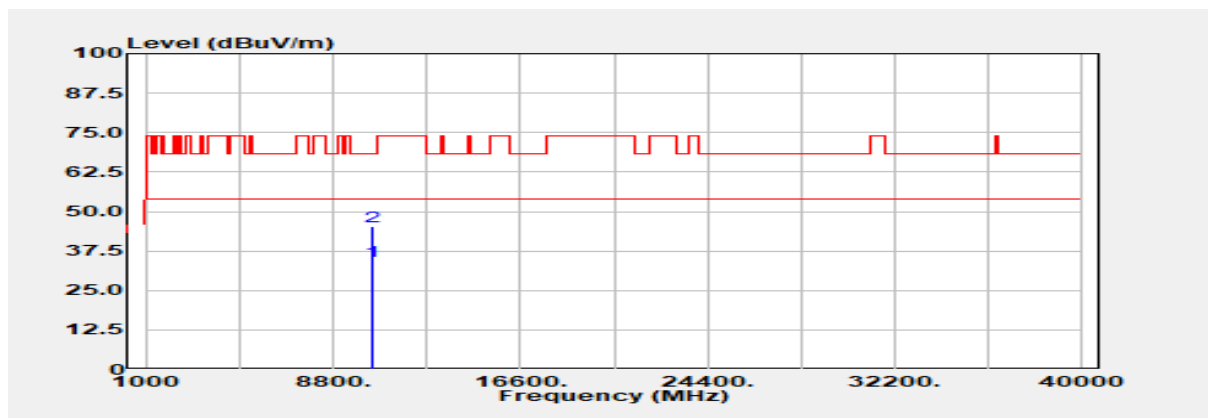
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 1  
 Test Frequency :5210 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10420.000	Average	26.29	7.92	34.21	54.00	-19.79
10420.000	Peak	37.23	7.92	45.16	68.20	-23.04

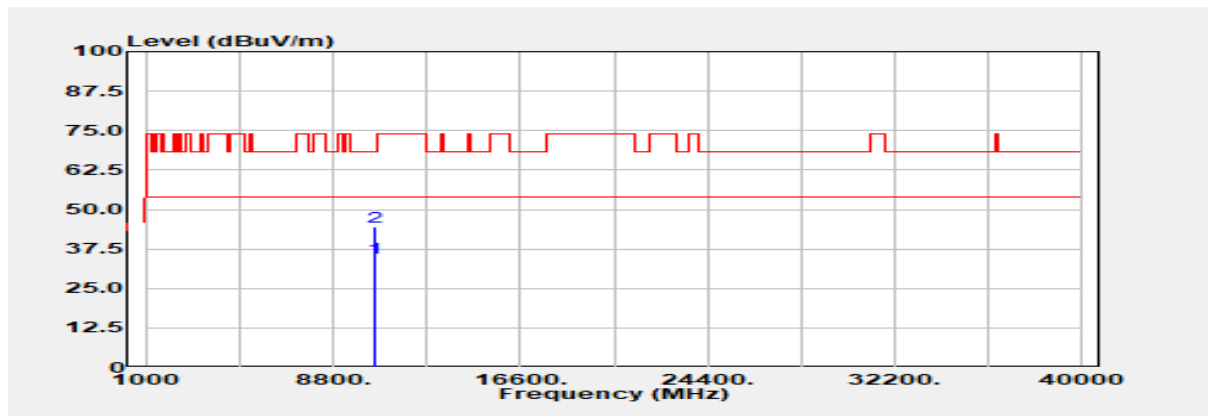
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 2  
 Test Frequency :5290 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10580.000	Average	27.56	7.02	34.57	54.00	-19.43
10580.000	Peak	37.57	7.02	44.59	68.20	-23.61

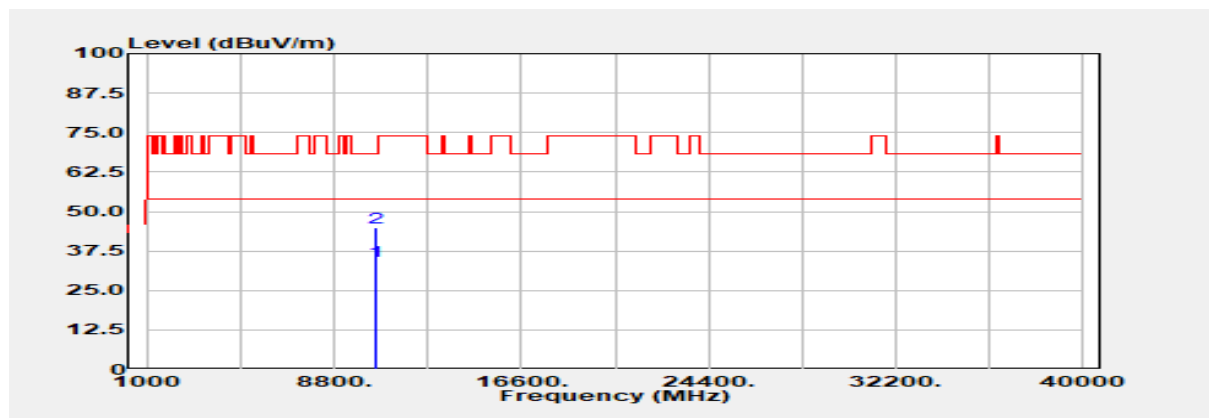
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 2  
 Test Frequency :5290 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10580.000	Average	27.46	7.02	34.48	54.00	-19.52
10580.000	Peak	38.07	7.02	45.09	68.20	-23.11

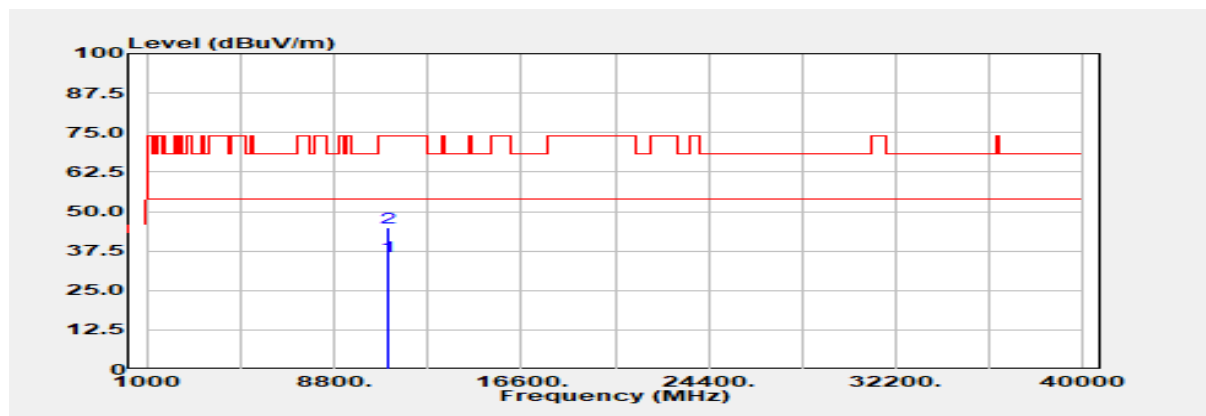
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 3  
 Test Frequency :5530 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11060.000	Average	27.84	8.14	35.98	54.00	-18.02
11060.000	Peak	36.92	8.14	45.06	74.00	-28.94

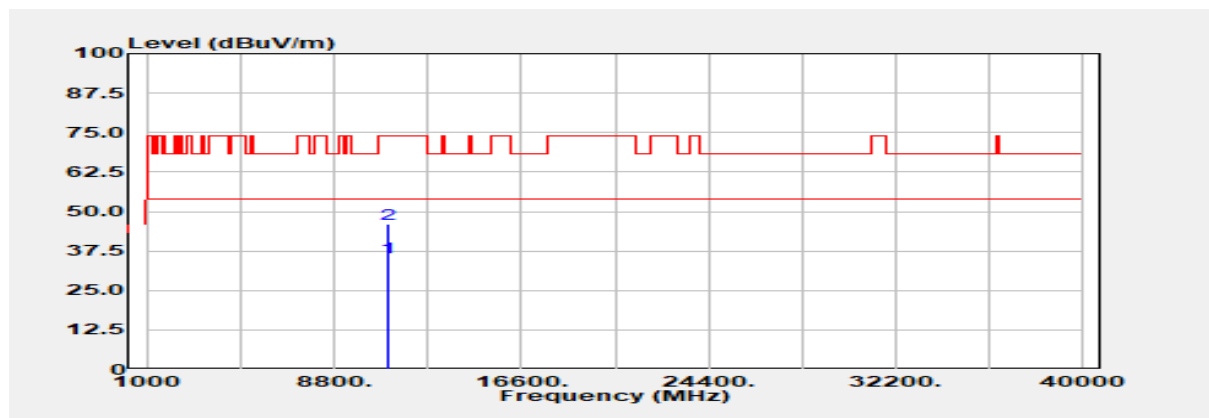
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 3  
 Test Frequency :5530 MHz  
 Test Mode :TX CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11060.000	Average	27.52	8.14	35.66	54.00	-18.34
11060.000	Peak	38.04	8.14	46.18	74.00	-27.82

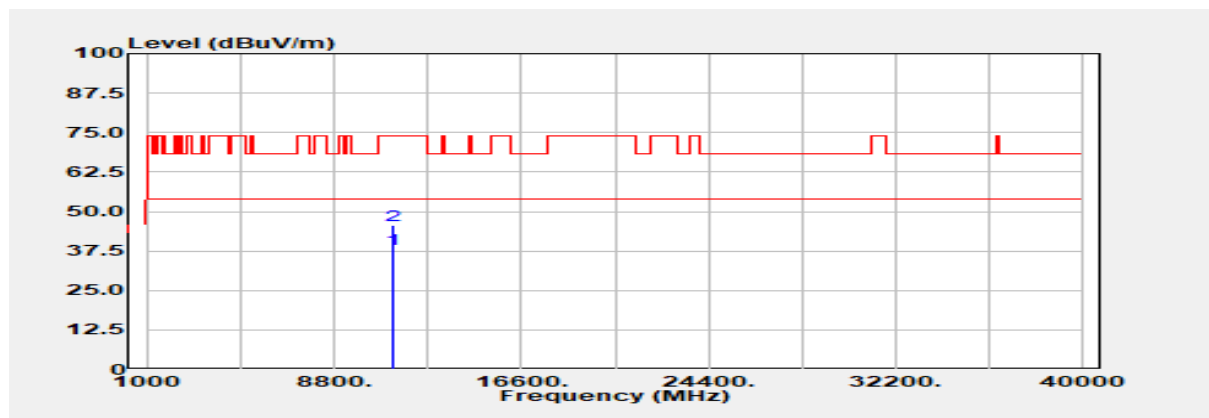
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 3  
 Test Frequency :5610 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11220.000	Average	30.46	7.60	38.06	54.00	-15.94
11220.000	Peak	38.13	7.60	45.72	74.00	-28.28

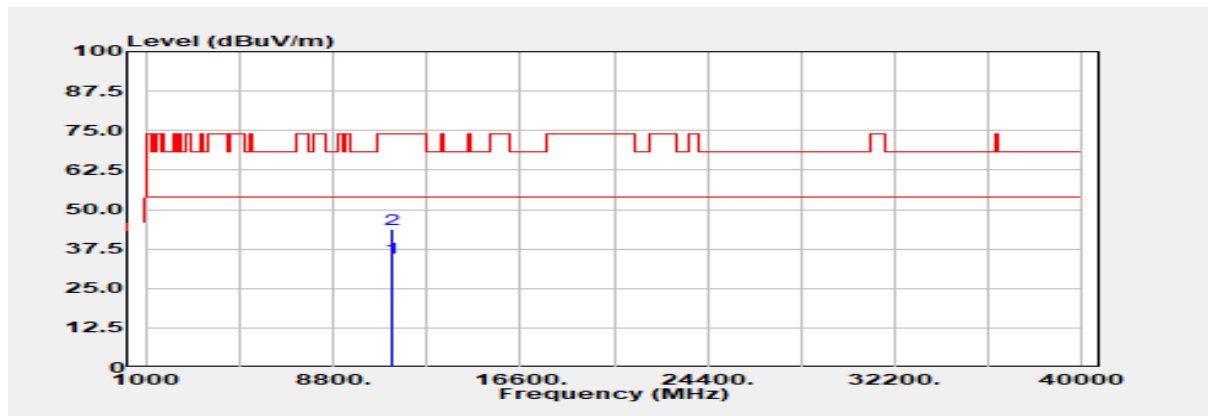
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 3  
 Test Frequency :5610 MHz  
 Test Mode :TX CH MID  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11220.000	Average	27.20	7.60	34.80	54.00	-19.20
11220.000	Peak	36.36	7.60	43.95	74.00	-30.05

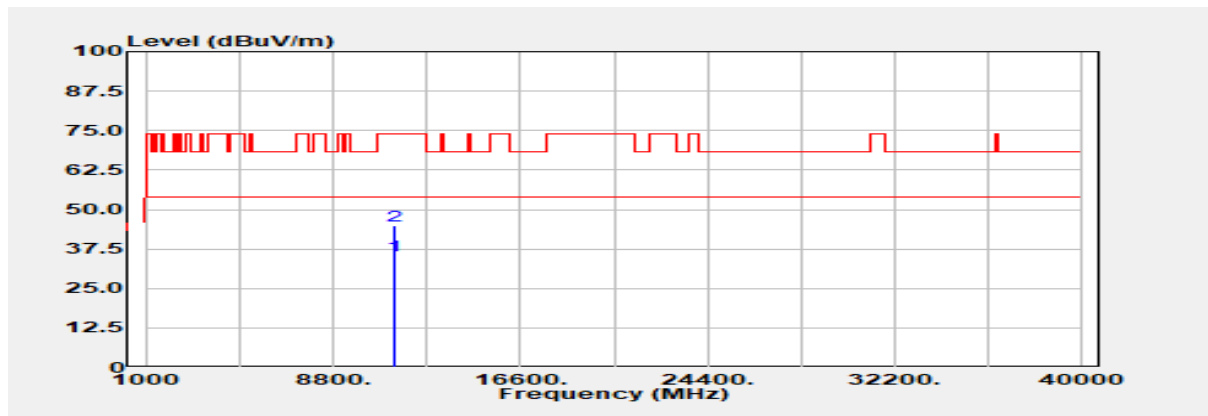
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 3  
 Test Frequency :5690 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11380.000	Average	27.23	8.10	35.32	54.00	-18.68
11380.000	Peak	36.78	8.10	44.87	74.00	-29.13

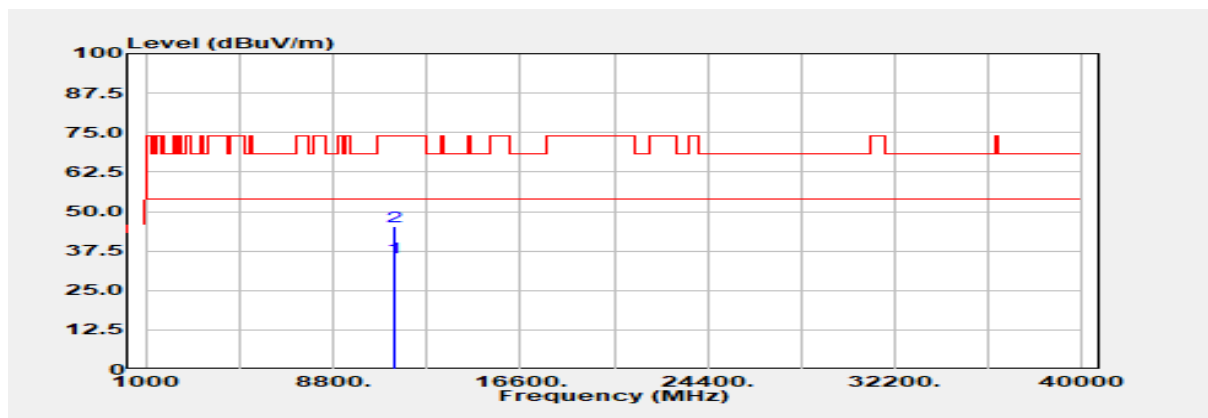
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 3  
 Test Frequency :5690 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11380.000	Average	27.27	8.10	35.36	54.00	-18.64
11380.000	Peak	37.27	8.10	45.36	74.00	-28.64

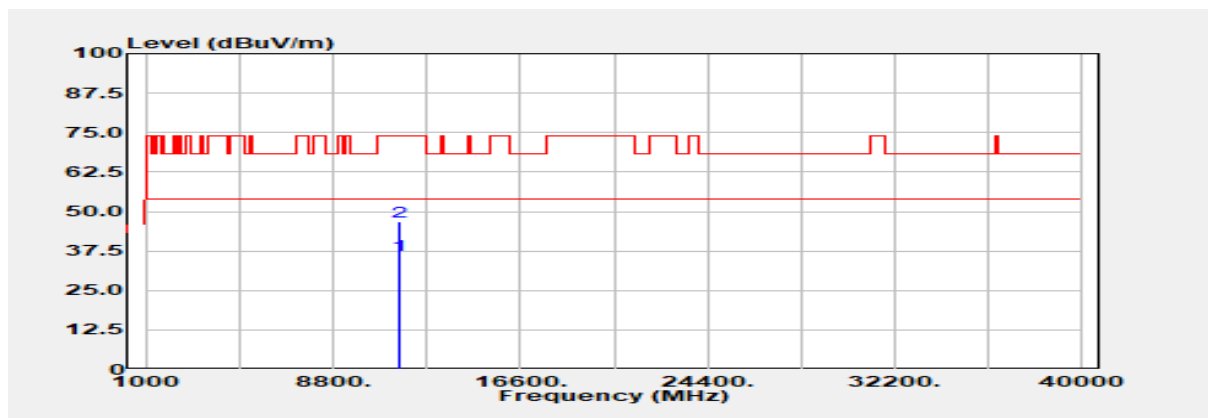
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 4  
 Test Frequency :5775 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11550.000	Average	27.51	8.86	36.37	54.00	-17.63
11550.000	Peak	38.06	8.86	46.92	74.00	-27.08

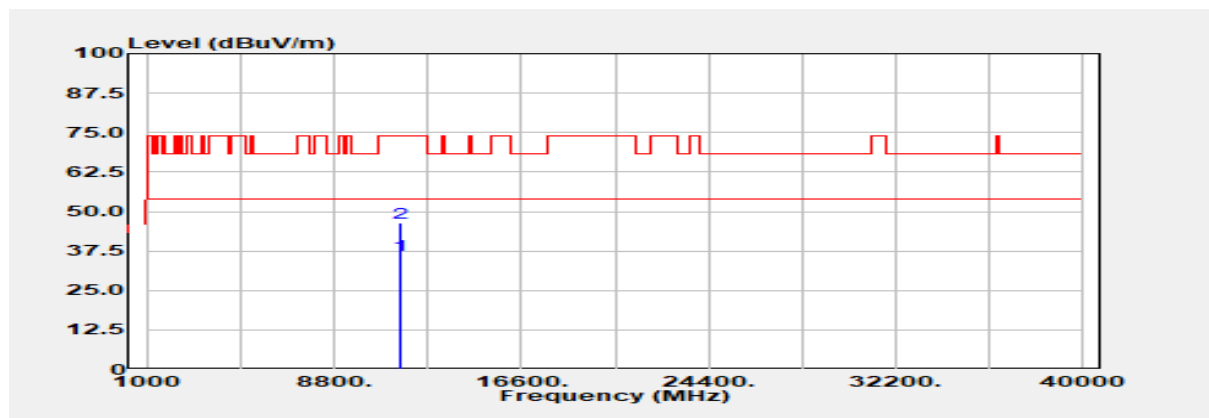
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 4  
 Test Frequency :5775 MHz  
 Test Mode :TX CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-03  
 Temp./Humi. :19.7/66  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11550.000	Average	27.51	8.86	36.36	54.00	-17.64
11550.000	Peak	37.65	8.86	46.51	74.00	-27.49

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## 7.7.3 Band edge falling to restricted band

Report Number :E2/2021/10092

Test Site :966 Chamber D

Operation Mode :802.11a Band 1

Test Date :2021-02-25

Test Frequency :5180 MHz

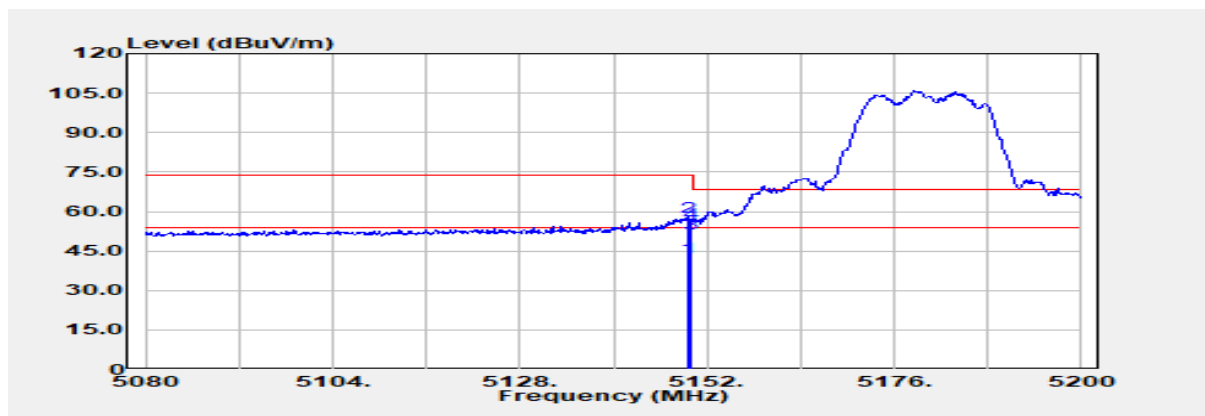
Temp./Humi. :22.1/66

Test Mode :BE CH LOW

Antenna Pol. :Vertical

EUT Pol :NB Plan

Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5149.480	Average	45.04	-2.42	42.62	54.00	-11.38
5149.480	Peak	60.22	-2.42	57.80	74.00	-16.20
5150.000	Average	54.10	-2.43	51.67	54.00	-2.33
5150.000	Peak	58.30	-2.43	55.87	74.00	-18.13

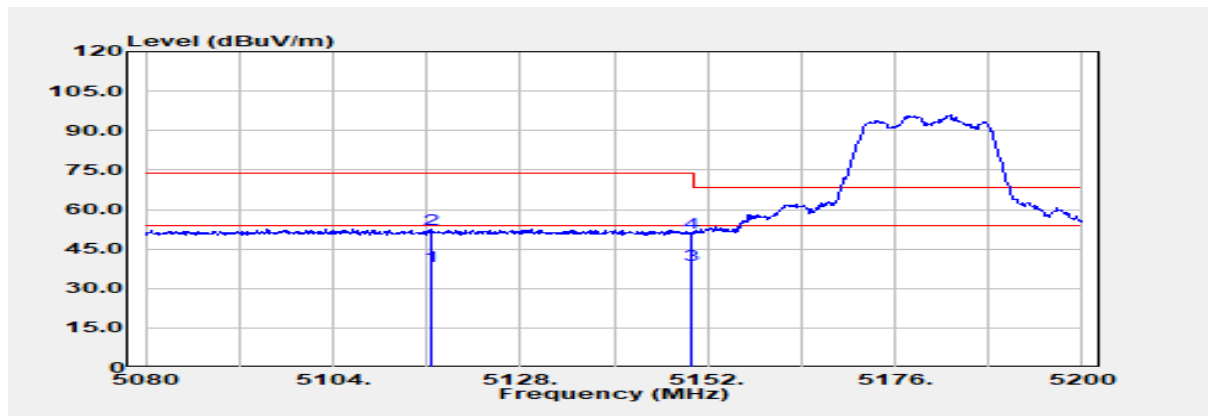
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 1  
 Test Frequency :5180 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-25  
 Temp./Humi. :22.1/66  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5116.600	Average	40.76	-2.21	38.56	54.00	-15.44
5116.600	Peak	54.73	-2.21	52.53	74.00	-21.47
5150.000	Average	41.30	-2.43	38.87	54.00	-15.13
5150.000	Peak	53.59	-2.43	51.16	74.00	-22.84

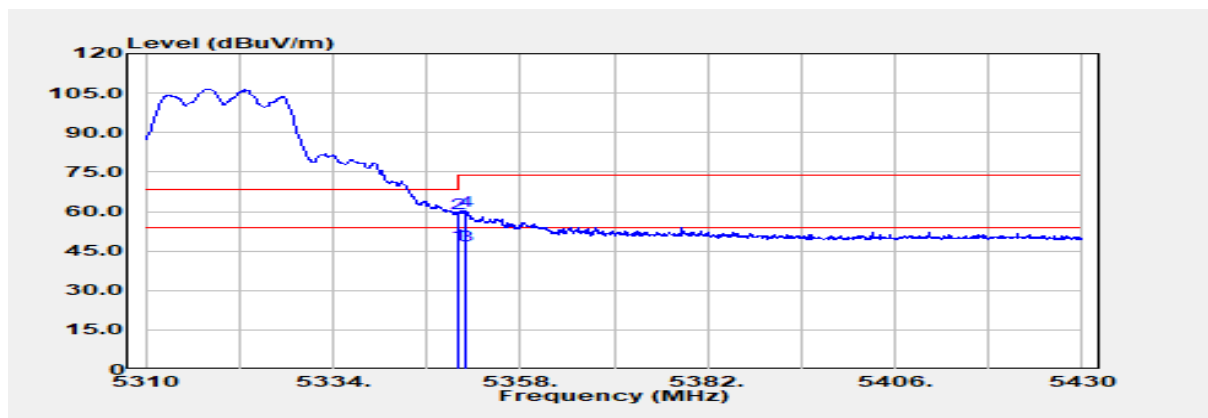
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 2  
 Test Frequency :5320 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-25  
 Temp./Humi. :22.1/66  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	50.42	-2.76	47.65	54.00	-6.35
5350.000	Peak	61.86	-2.76	59.10	74.00	-14.90
5350.920	Average	49.78	-2.80	46.97	54.00	-7.03
5350.920	Peak	63.08	-2.80	60.27	74.00	-13.73

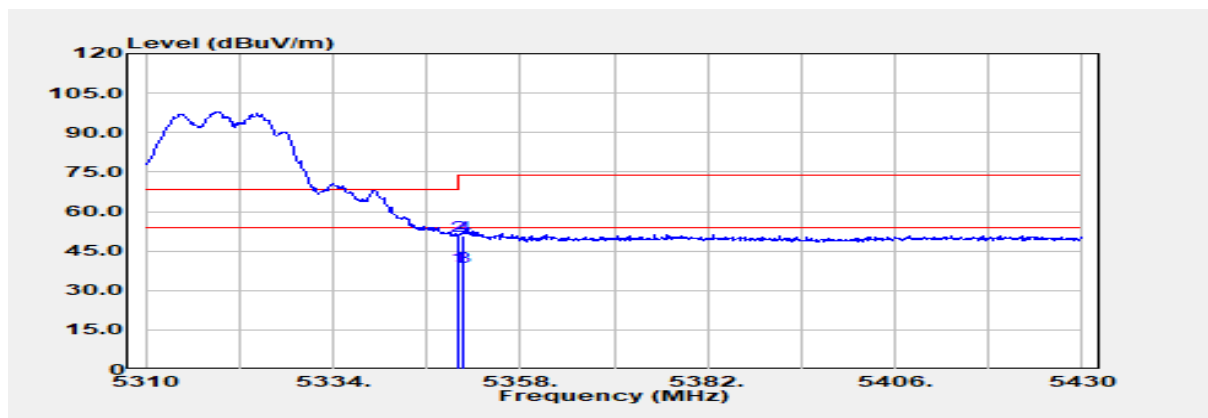
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 2  
 Test Frequency :5320 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	41.54	-2.76	38.77	54.00	-15.23
5350.000	Peak	53.56	-2.76	50.79	74.00	-23.21
5350.800	Average	41.52	-2.80	38.73	54.00	-15.27
5350.800	Peak	53.72	-2.80	50.93	74.00	-23.07

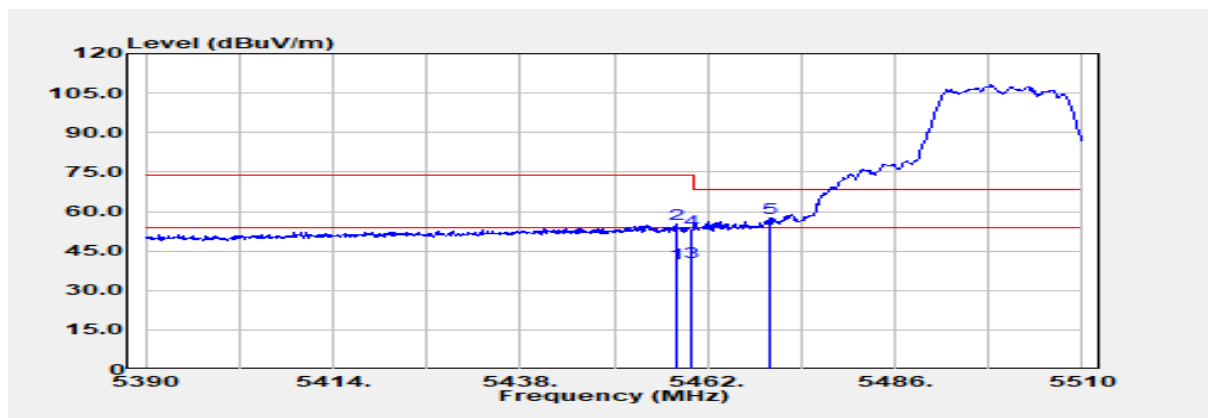
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 3  
 Test Frequency :5500 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5458.040	Average	42.62	-2.23	40.39	54.00	-13.61
5458.040	Peak	57.46	-2.23	55.23	74.00	-18.77
5460.000	Average	42.93	-2.18	40.74	54.00	-13.26
5460.000	Peak	55.06	-2.18	52.88	74.00	-21.12
5470.000	Peak	59.81	-2.35	57.47	68.20	-10.73

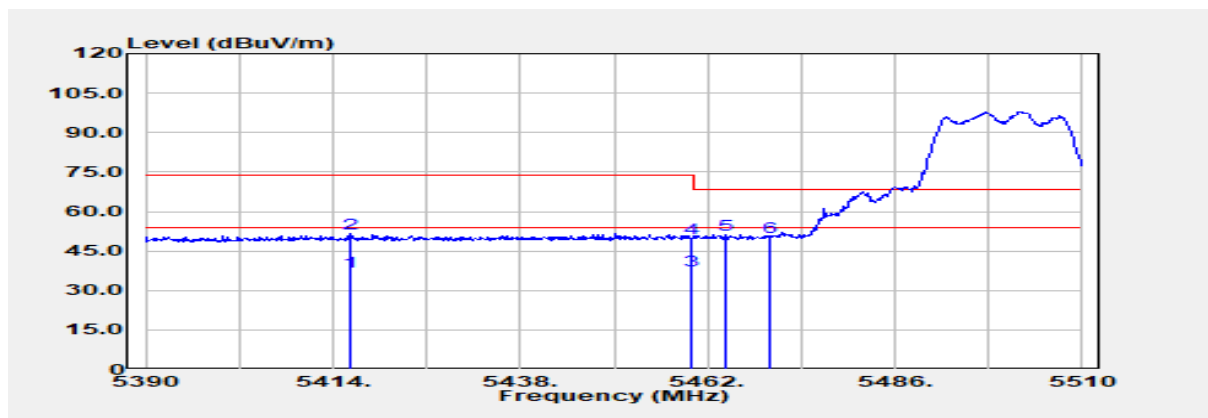
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 3  
 Test Frequency :5500 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5416.160	Average	39.32	-2.39	36.93	54.00	-17.07
5416.160	Peak	54.07	-2.39	51.68	74.00	-22.32
5460.000	Average	39.67	-2.18	37.48	54.00	-16.52
5460.000	Peak	52.21	-2.18	50.03	74.00	-23.97
5464.160	Peak	53.60	-2.25	51.35	68.20	-16.85
5470.000	Peak	52.57	-2.35	50.22	68.20	-17.98

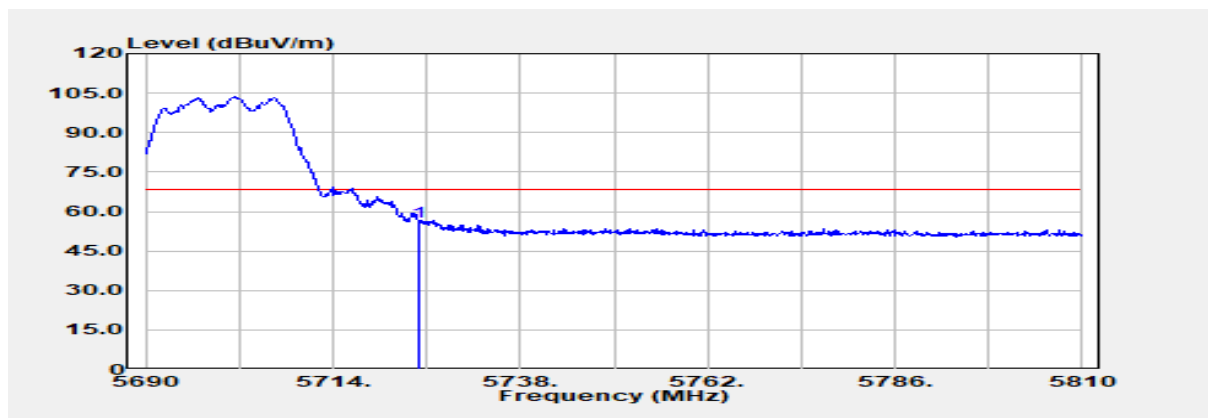
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 3  
 Test Frequency :5700 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.000	Peak	57.94	-1.98	55.96	68.20	-12.24

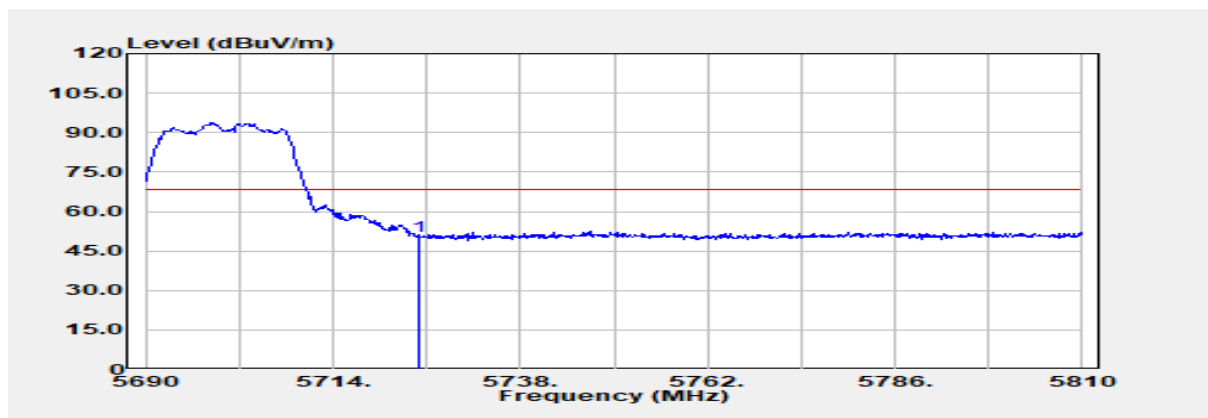
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Badn 3  
 Test Frequency :5700 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5725.000	Peak	52.92	-1.98	50.94	68.20	-17.26

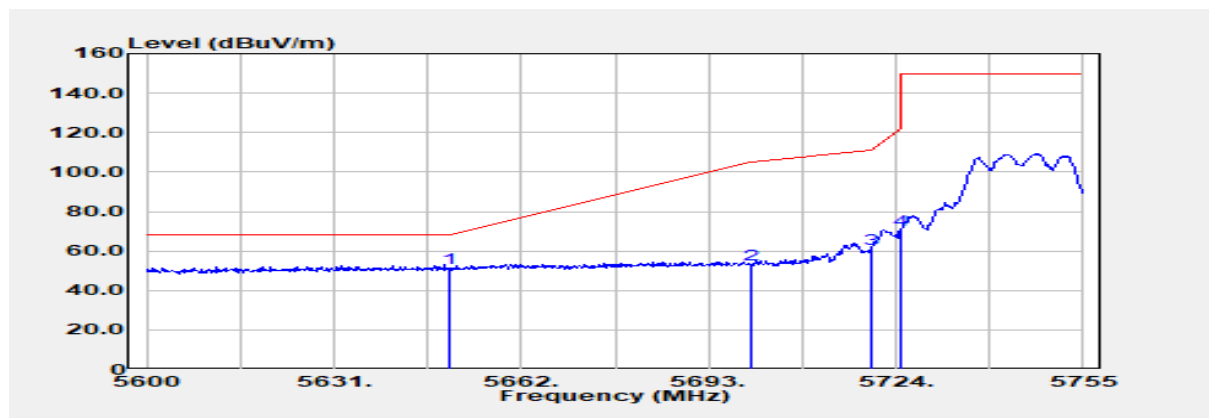
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 4  
 Test Frequency :5745 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.000	Peak	53.28	-2.00	51.28	68.20	-16.92
5700.000	Peak	55.47	-2.17	53.30	105.20	-51.90
5720.000	Peak	62.78	-1.70	61.09	110.80	-49.71
5725.000	Peak	72.86	-1.98	70.88	122.20	-51.32

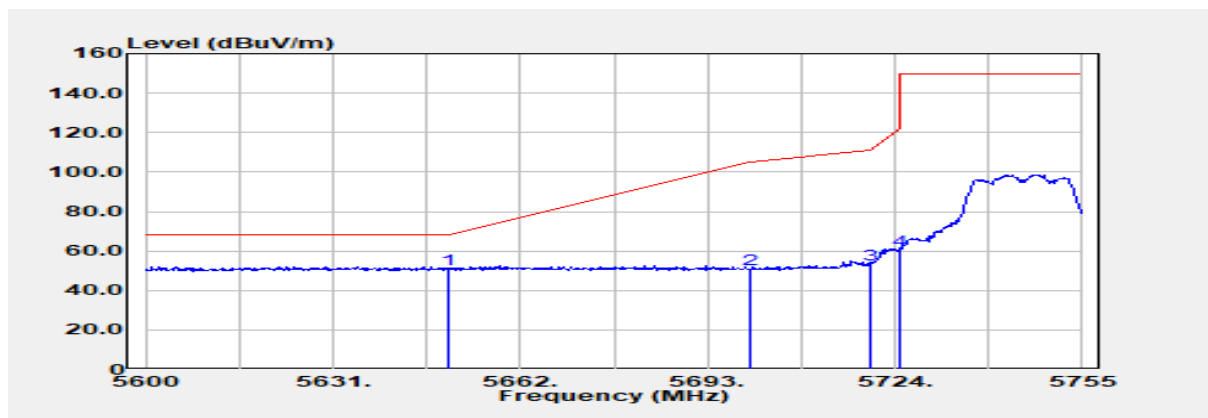
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 4  
 Test Frequency :5745 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.000	Peak	52.70	-2.00	50.71	68.20	-17.49
5700.000	Peak	52.89	-2.17	50.73	105.20	-54.47
5720.000	Peak	54.84	-1.70	53.14	110.80	-57.66
5725.000	Peak	62.58	-1.98	60.60	122.20	-61.60

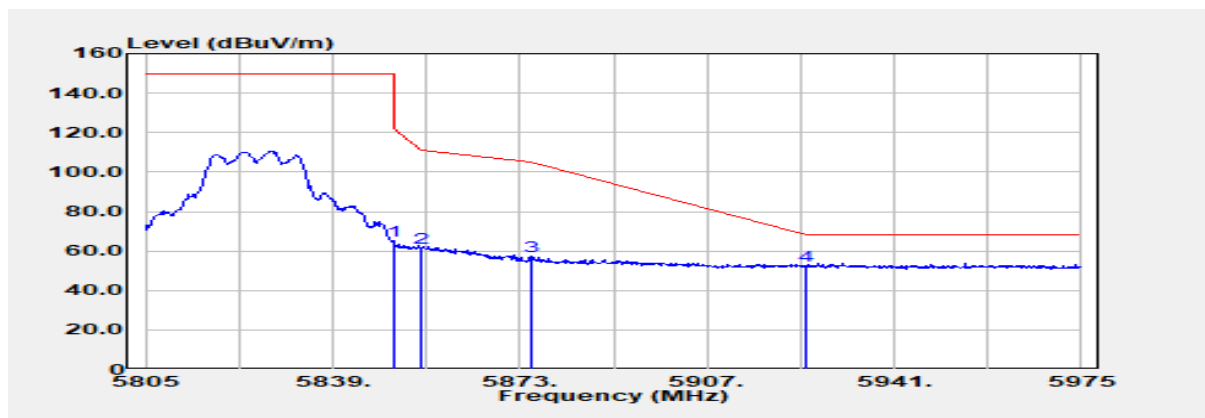
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 4  
 Test Frequency :5825 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5850.000	Peak	66.67	-1.57	65.10	122.20	-57.10
5855.000	Peak	62.83	-1.42	61.41	110.80	-49.39
5875.000	Peak	58.60	-1.42	57.18	105.20	-48.02
5925.000	Peak	53.46	-0.99	52.46	68.20	-15.74

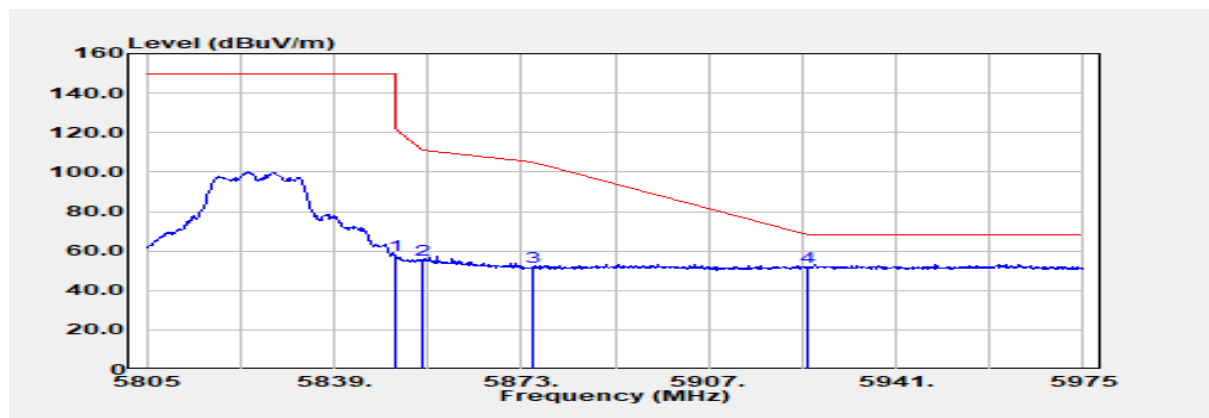
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Report Number :E2/2021/10092  
 Operation Mode :802.11a Band 4  
 Test Frequency :5825 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	59.31	-1.57	57.74	122.20	-64.46
5855.000	Peak	56.72	-1.42	55.30	110.80	-55.50
5875.000	Peak	53.57	-1.42	52.15	105.20	-53.05
5925.000	Peak	52.84	-0.99	51.85	68.20	-16.35

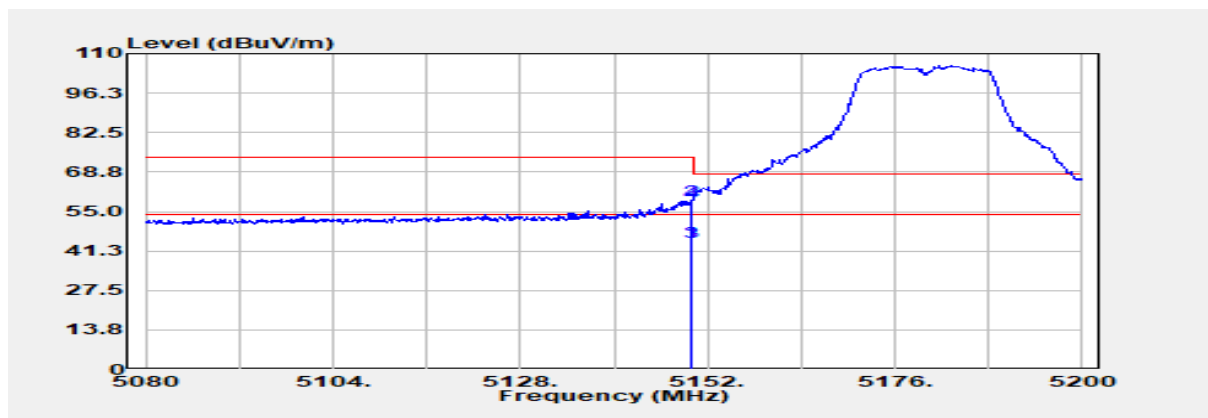
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 1  
 Test Frequency :5180 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5149.840	Average	46.66	-2.43	44.24	54.00	-9.76
5149.840	Peak	61.45	-2.43	59.02	74.00	-14.98
5150.000	Average	46.84	-2.43	44.41	54.00	-9.59
5150.000	Peak	60.80	-2.43	58.37	74.00	-15.63

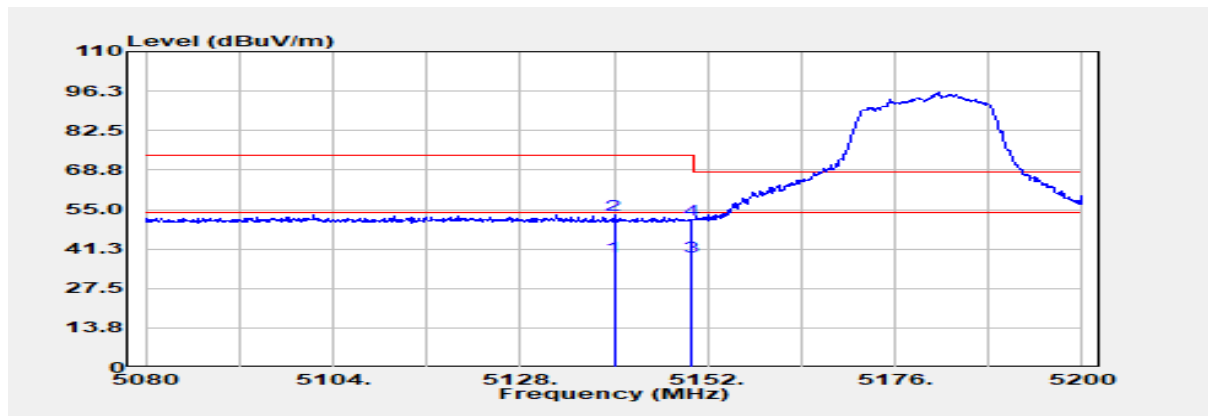
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 1  
 Test Frequency :5180 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5140.000	Average	40.78	-2.28	38.50	54.00	-15.50
5140.000	Peak	55.54	-2.28	53.26	74.00	-20.74
5150.000	Average	40.85	-2.43	38.42	54.00	-15.58
5150.000	Peak	54.02	-2.43	51.59	74.00	-22.41

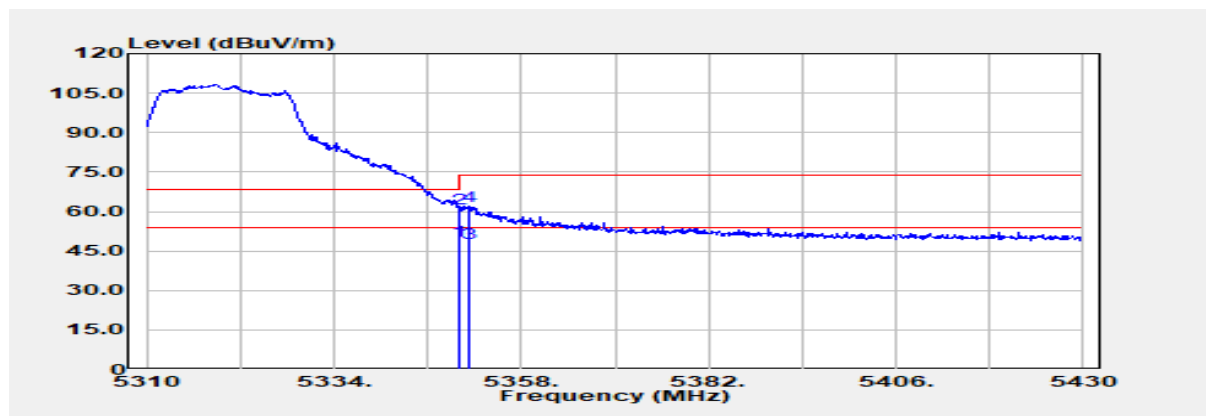
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 2  
 Test Frequency :5320 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	51.55	-2.76	48.79	54.00	-5.21
5350.000	Peak	64.05	-2.76	61.28	74.00	-12.72
5351.160	Average	50.95	-2.81	48.13	54.00	-5.87
5351.160	Peak	64.87	-2.81	62.06	74.00	-11.94

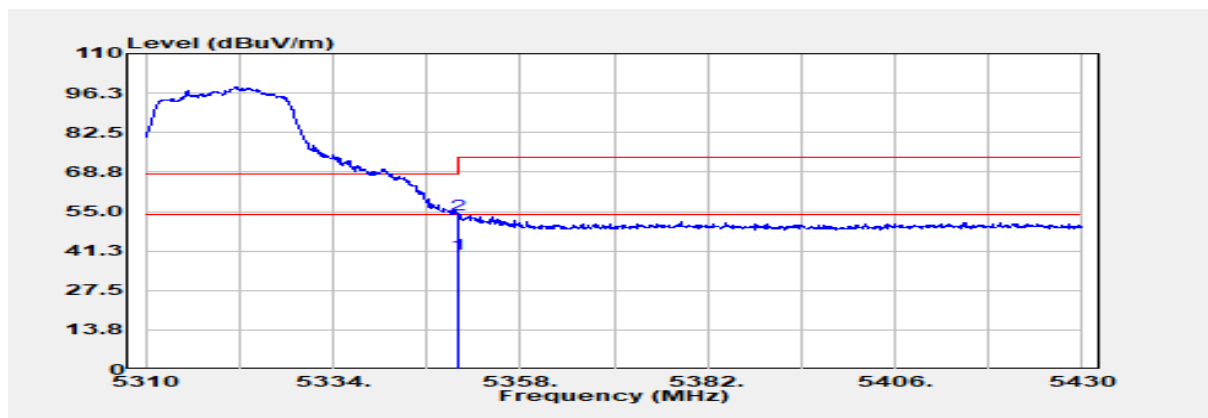
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 2  
 Test Frequency :5320 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	42.87	-2.76	40.11	54.00	-13.89
5350.000	Peak	56.72	-2.76	53.96	74.00	-20.04

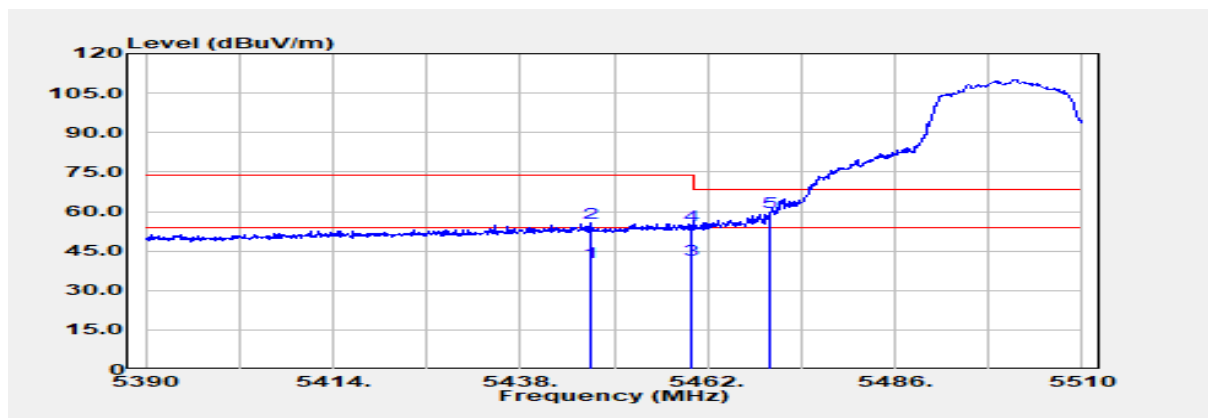
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 3  
 Test Frequency :5500 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5447.120	Average	43.08	-2.41	40.67	54.00	-13.33
5447.120	Peak	58.16	-2.41	55.75	74.00	-18.25
5460.000	Average	44.06	-2.18	41.88	54.00	-12.12
5460.000	Peak	56.85	-2.18	54.67	74.00	-19.33
5470.000	Peak	61.99	-2.35	59.65	68.20	-8.55

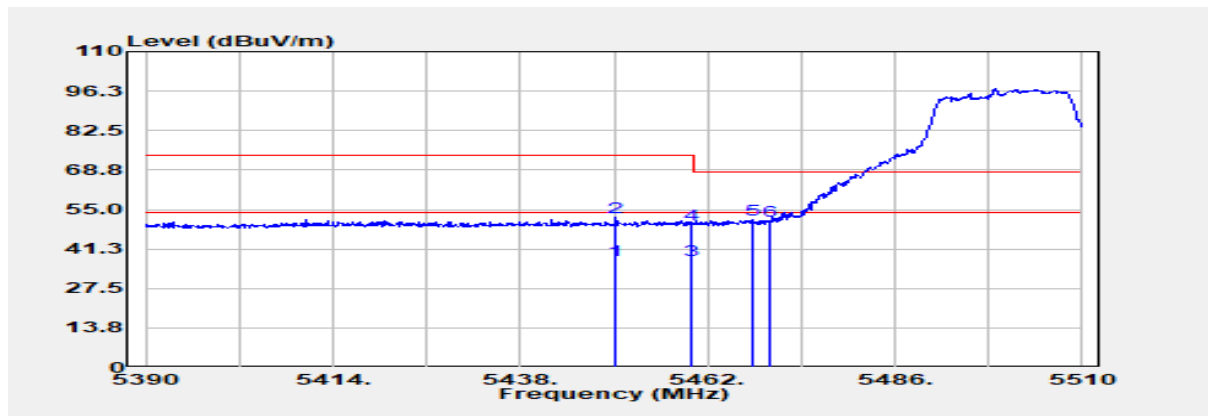
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 3  
 Test Frequency :5500 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5450.240	Average	39.58	-2.41	37.17	54.00	-16.83
5450.240	Peak	54.83	-2.41	52.42	74.00	-21.58
5460.000	Average	39.57	-2.18	37.38	54.00	-16.62
5460.000	Peak	51.82	-2.18	49.64	74.00	-24.36
5467.880	Peak	53.98	-2.31	51.67	68.20	-16.53
5470.000	Peak	53.42	-2.35	51.08	68.20	-17.12

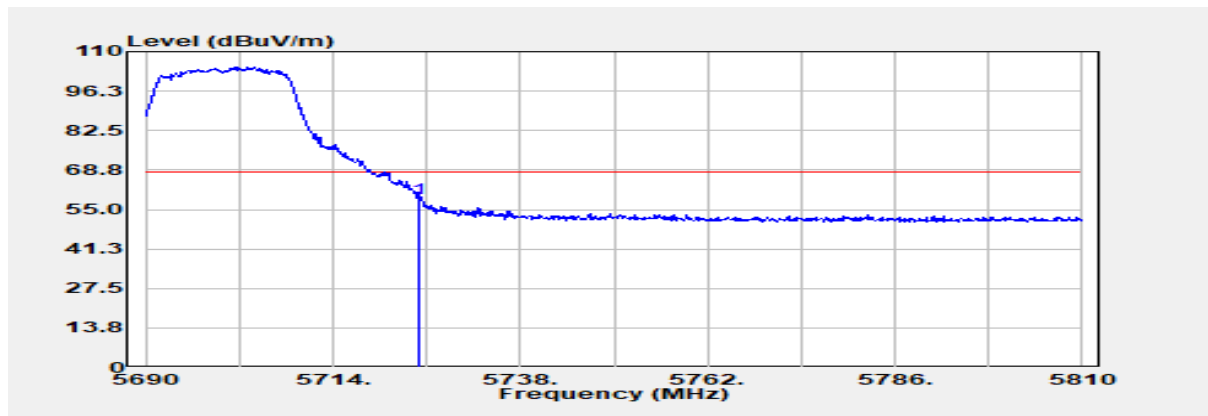
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 3  
 Test Frequency :5700 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.000	Peak	60.75	-1.98	58.77	68.20	-9.43

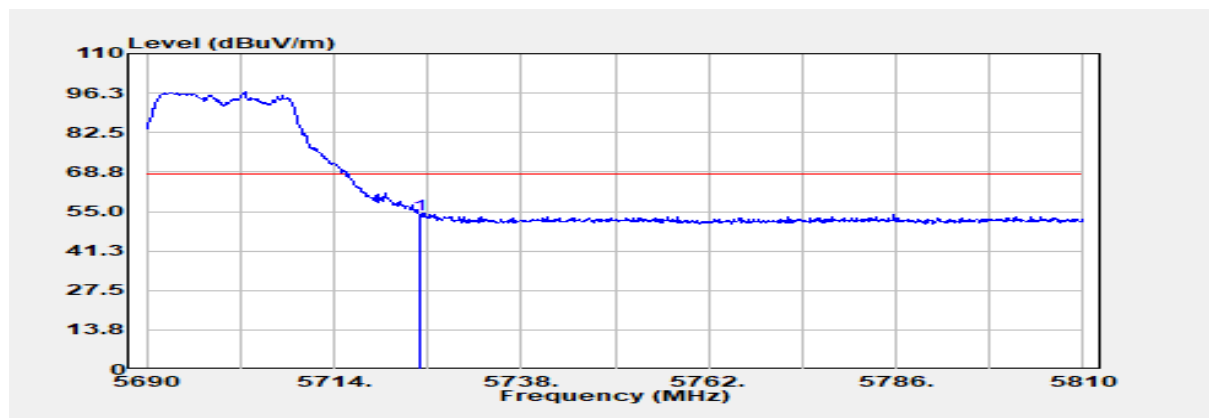
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 3  
 Test Frequency :5700 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.000	Peak	55.88	-1.98	53.90	68.20	-14.30

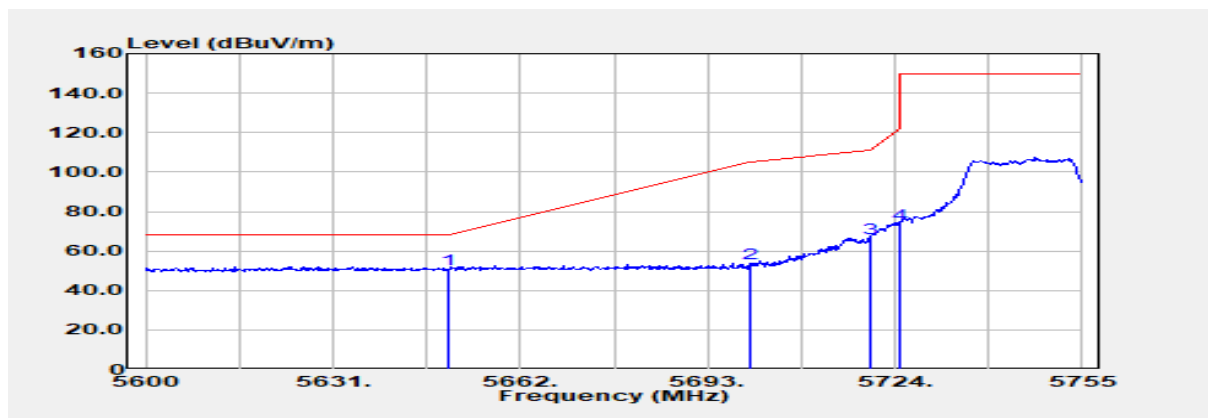
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 4  
 Test Frequency :5745 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.000	Peak	52.83	-2.00	50.83	68.20	-17.37
5700.000	Peak	55.74	-2.17	53.57	105.20	-51.63
5720.000	Peak	68.15	-1.70	66.45	110.80	-44.35
5725.000	Peak	75.87	-1.98	73.89	122.20	-48.31

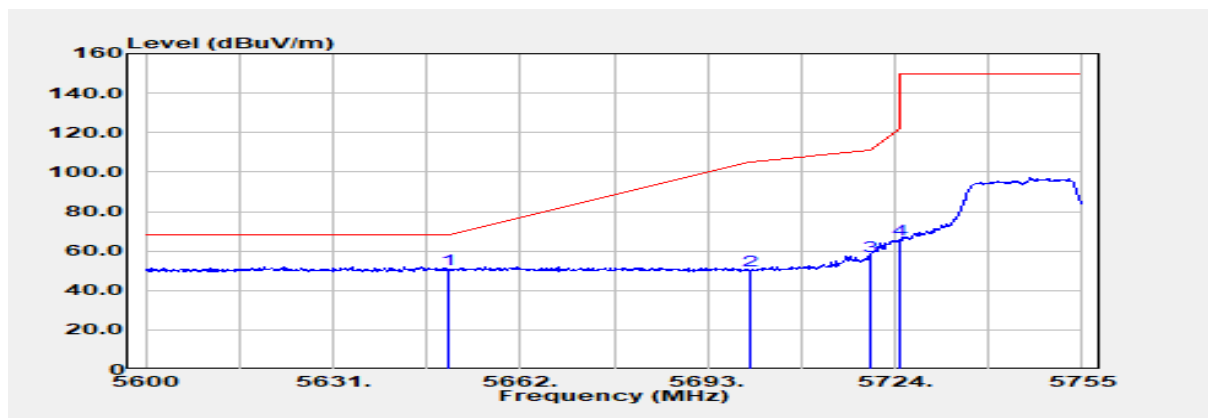
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 4  
 Test Frequency :5745 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.000	Peak	52.44	-2.00	50.44	68.20	-17.76
5700.000	Peak	52.50	-2.17	50.34	105.20	-54.86
5720.000	Peak	58.94	-1.70	57.24	110.80	-53.56
5725.000	Peak	67.54	-1.98	65.56	122.20	-56.64

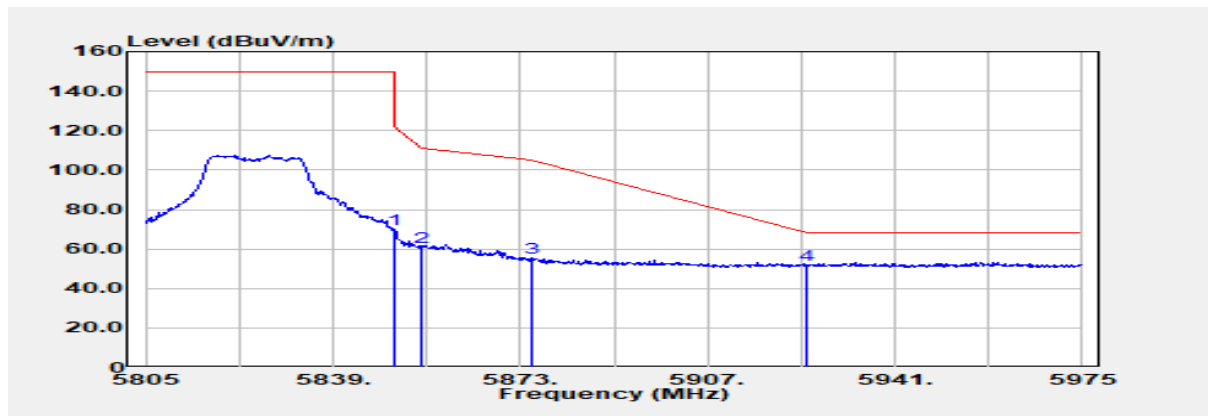
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 4  
 Test Frequency :5825 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	71.56	-1.57	69.99	122.20	-52.21
5855.000	Peak	62.58	-1.42	61.16	110.80	-49.64
5875.000	Peak	57.20	-1.42	55.78	105.20	-49.42
5925.000	Peak	52.71	-0.99	51.72	68.20	-16.48

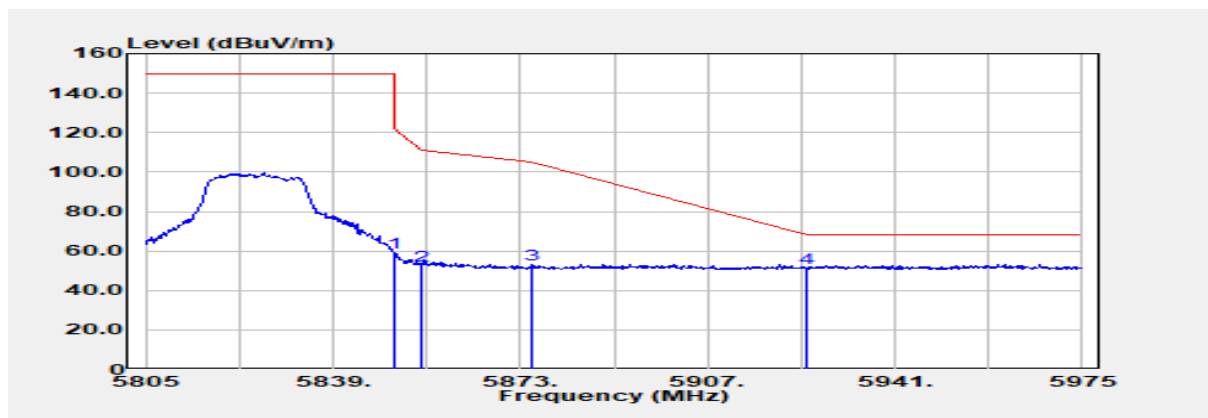
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Report Number :E2/2021/10092  
 Operation Mode :802.11n20 Band 4  
 Test Frequency :5825 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	60.59	-1.57	59.02	122.20	-63.18
5855.000	Peak	54.16	-1.42	52.75	110.80	-58.05
5875.000	Peak	54.61	-1.42	53.19	105.20	-52.01
5925.000	Peak	52.32	-0.99	51.33	68.20	-16.87

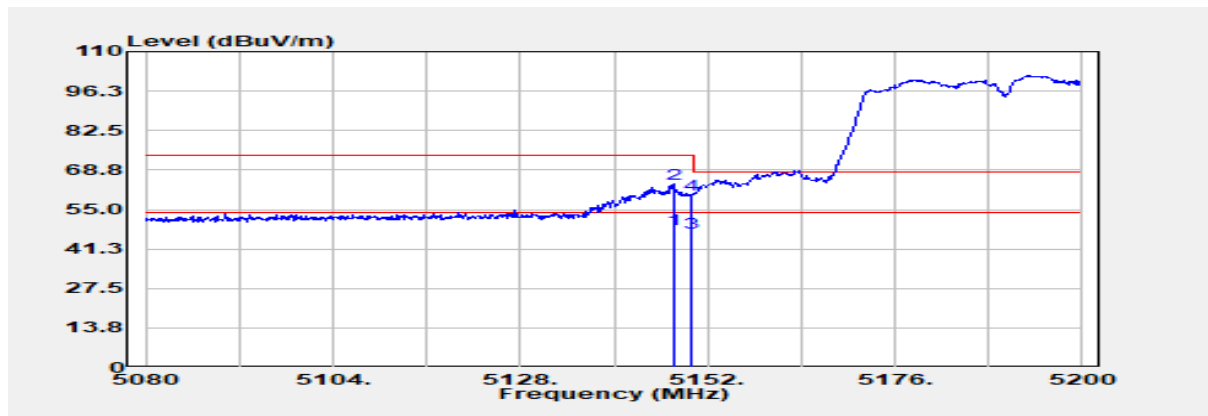
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 1  
 Test Frequency :5190 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5147.560	Average	50.57	-2.39	48.18	54.00	-5.82
5147.560	Peak	66.27	-2.39	63.88	74.00	-10.12
5150.000	Average	49.50	-2.43	47.07	54.00	-6.93
5150.000	Peak	62.67	-2.43	60.24	74.00	-13.76

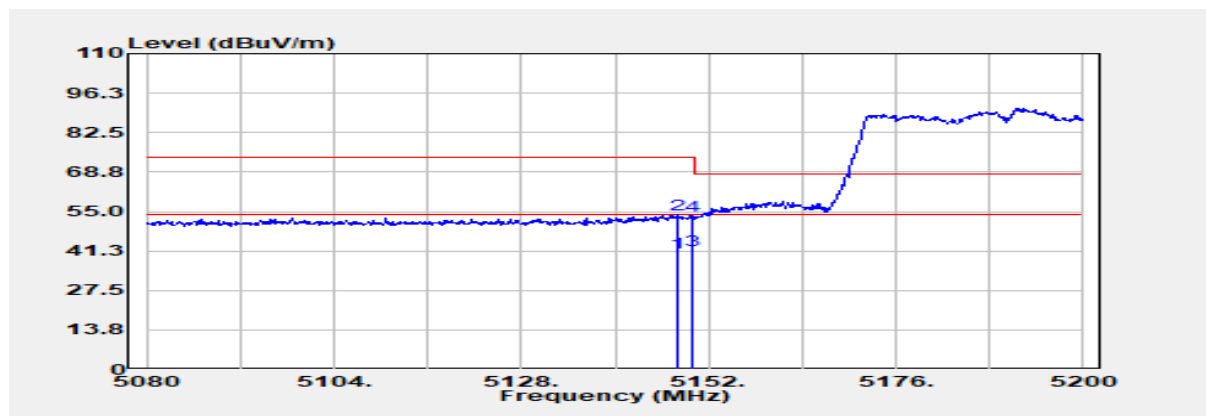
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 1  
 Test Frequency :5190 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5148.160	Average	43.08	-2.40	40.68	54.00	-13.32
5148.160	Peak	56.24	-2.40	53.84	74.00	-20.16
5150.000	Average	44.13	-2.43	41.70	54.00	-12.30
5150.000	Peak	56.13	-2.43	53.70	74.00	-20.30

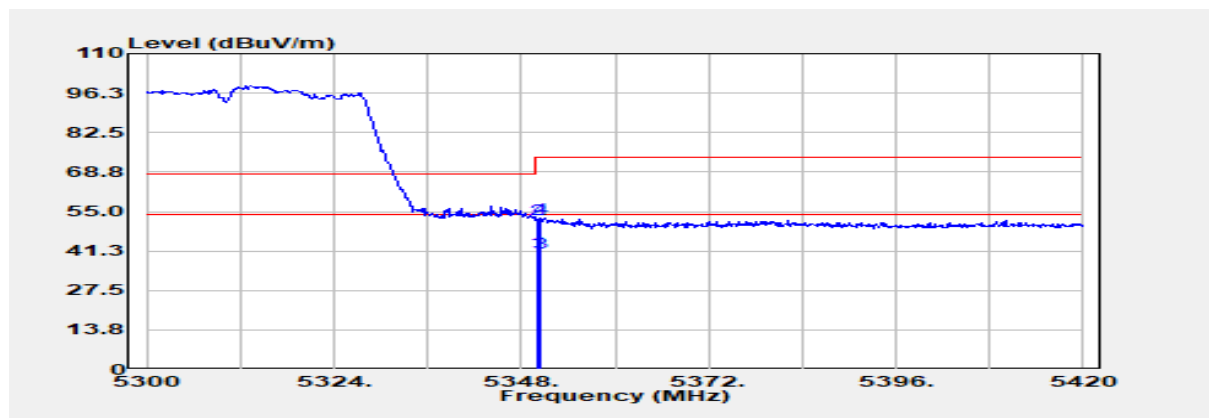
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 2  
 Test Frequency :5310 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	43.73	-2.76	40.97	54.00	-13.03
5350.000	Peak	54.91	-2.76	52.15	74.00	-21.85
5350.520	Average	43.48	-2.79	40.70	54.00	-13.30
5350.520	Peak	55.45	-2.79	52.66	74.00	-21.34

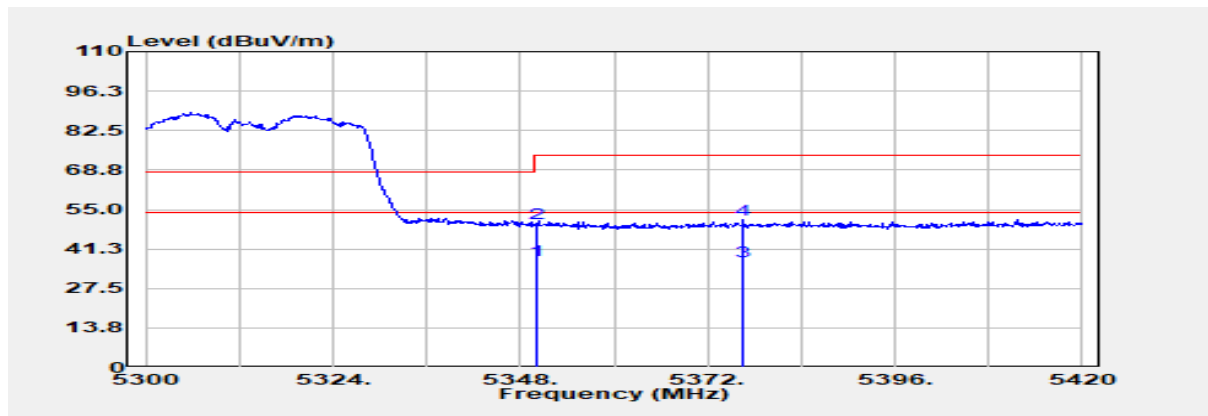
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 2  
 Test Frequency :5310 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	40.10	-2.76	37.34	54.00	-16.66
5350.000	Peak	52.81	-2.76	50.04	74.00	-23.96
5376.560	Average	39.58	-2.54	37.04	54.00	-16.96
5376.560	Peak	54.09	-2.54	51.56	74.00	-22.44

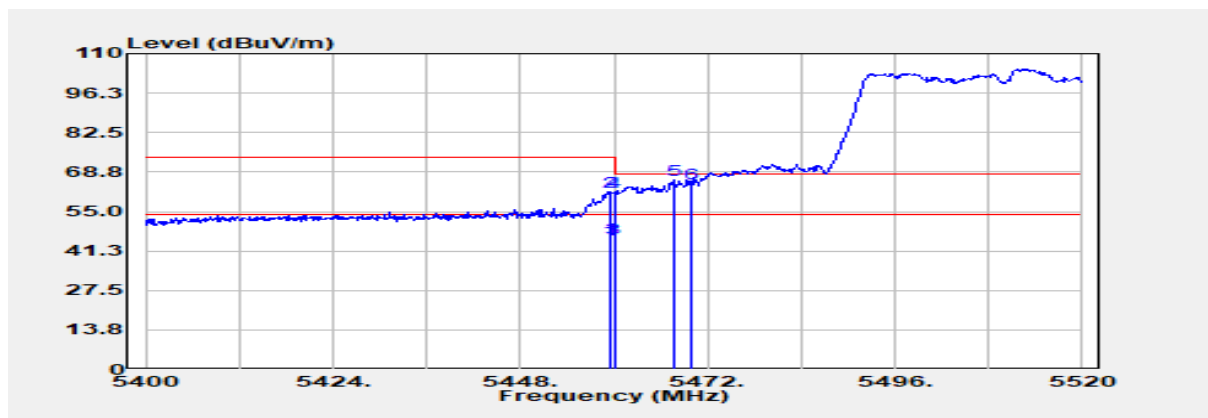
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Report Number :E2/2021/10092  
Operation Mode :802.11n40 Band 3  
Test Frequency :5510 MHz  
Test Mode :BE CH LOW  
EUT Pol :NB Plan

Test Site :966 Chamber D  
Test Date :2021-02-26  
Temp./Humi. :20.9/68  
Antenna Pol. :Vertical  
Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5459.640	Average	47.63	-2.19	45.44	54.00	-8.56
5459.640	Peak	63.95	-2.19	61.76	74.00	-12.24
5460.000	Average	48.00	-2.18	45.82	54.00	-8.18
5460.000	Peak	63.88	-2.18	61.69	74.00	-12.31
5467.680	Peak	68.35	-2.31	66.04	68.20	-2.16
5470.000	Peak	67.25	-2.35	64.90	68.20	-3.30

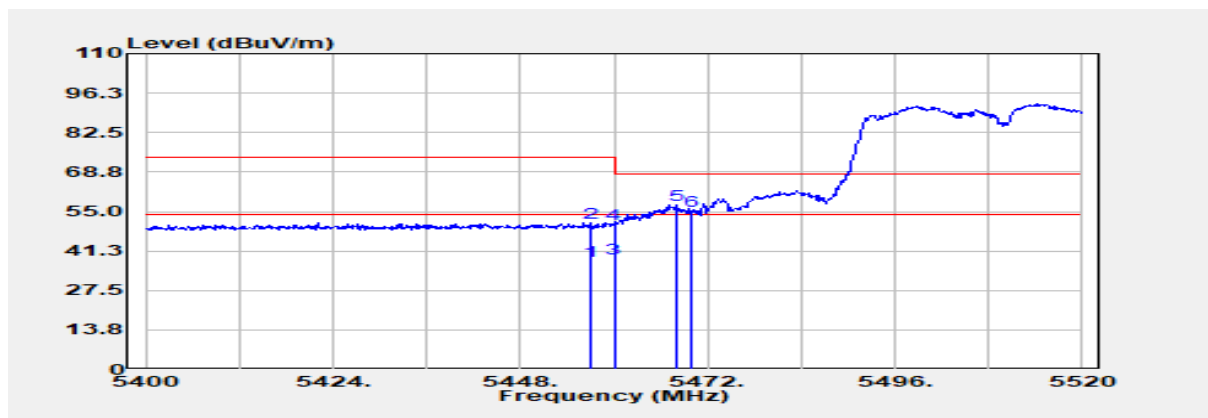
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 3  
 Test Frequency :5510 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5456.880	Average	40.09	-2.25	37.83	54.00	-16.17
5456.880	Peak	53.48	-2.25	51.23	74.00	-22.77
5460.000	Average	40.62	-2.18	38.43	54.00	-15.57
5460.000	Peak	52.80	-2.18	50.62	74.00	-23.38
5467.920	Peak	59.56	-2.31	57.25	68.20	-10.95
5470.000	Peak	57.65	-2.35	55.31	68.20	-12.89

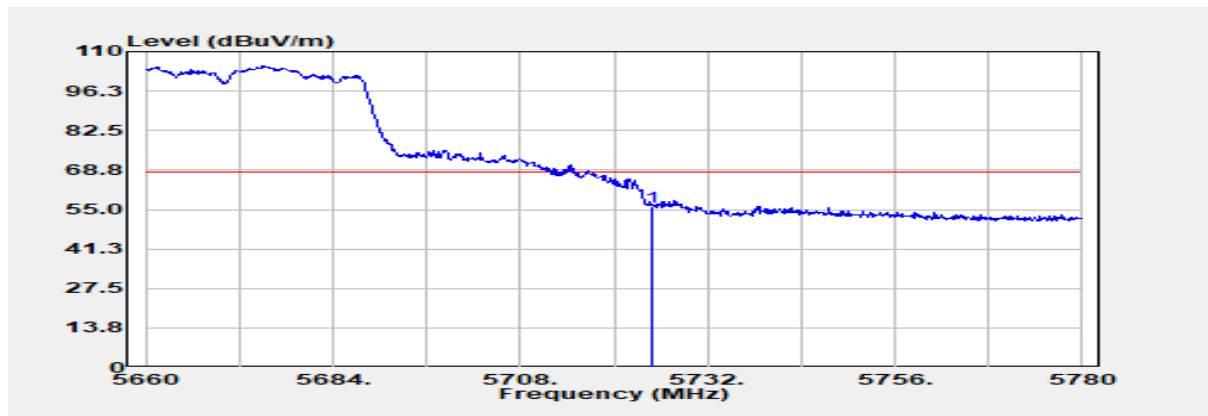
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 3  
 Test Frequency :5670 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.000	Peak	58.02	-1.98	56.04	68.20	-12.16

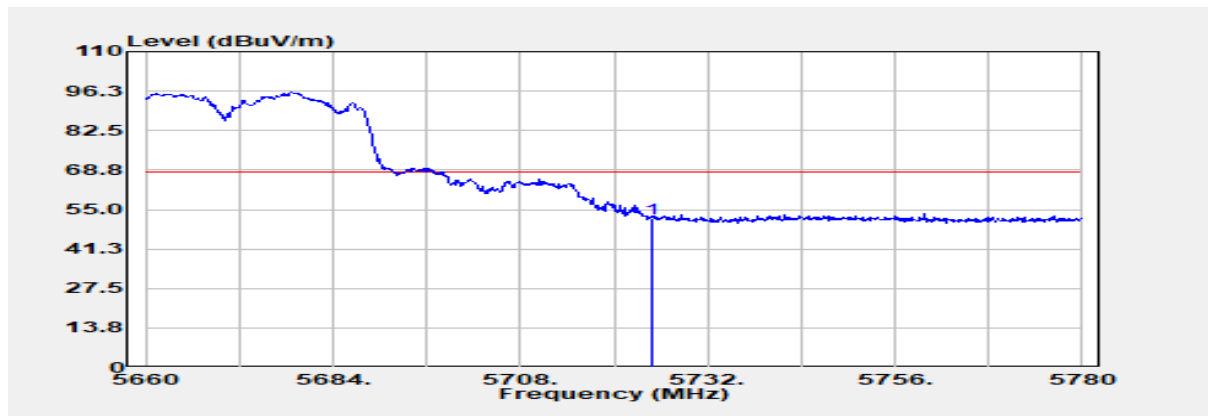
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 3  
 Test Frequency :5670 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.000	Peak	53.71	-1.98	51.74	68.20	-16.46

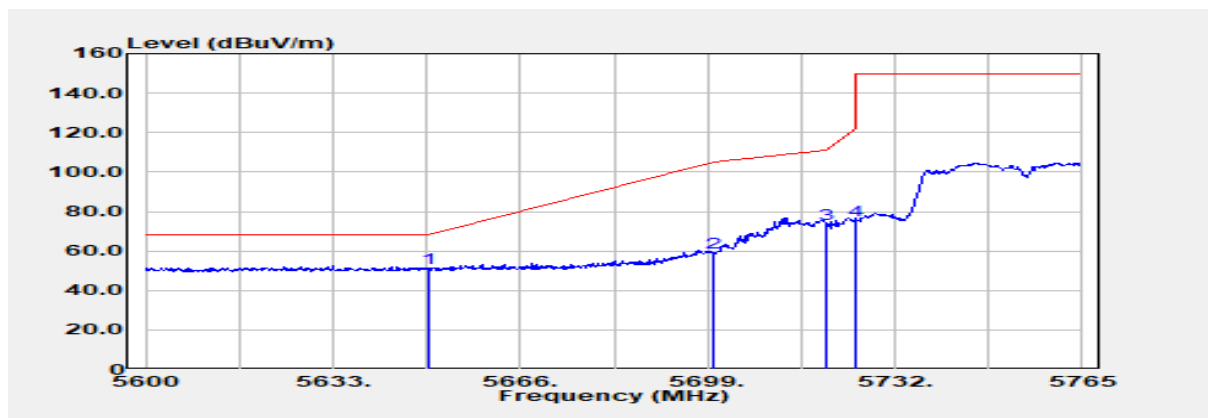
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 4  
 Test Frequency :5755 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.000	Peak	53.11	-2.00	51.12	68.20	-17.08
5700.000	Peak	61.22	-2.17	59.06	105.20	-46.14
5720.000	Peak	75.54	-1.70	73.84	110.80	-36.96
5725.000	Peak	77.72	-1.98	75.74	122.20	-46.46

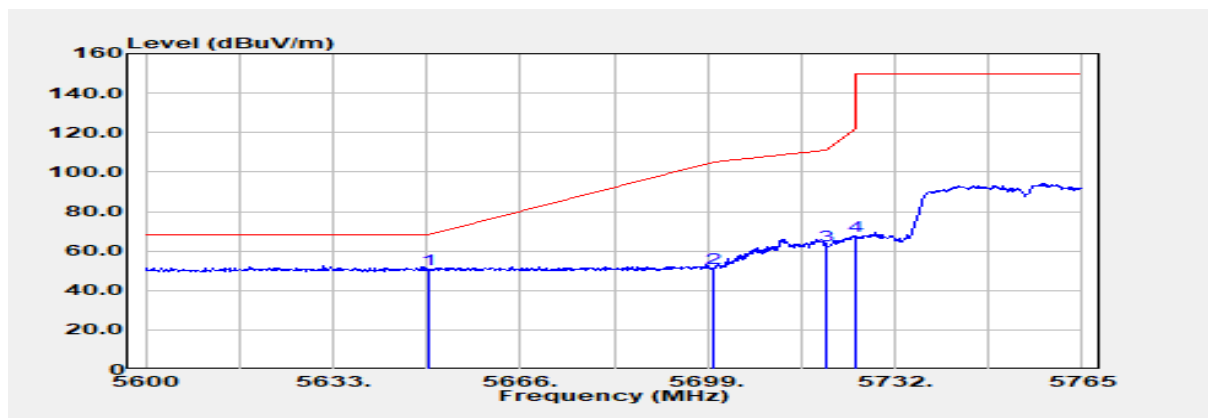
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 4  
 Test Frequency :5755 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.000	Peak	52.57	-2.00	50.57	68.20	-17.63
5700.000	Peak	53.25	-2.17	51.08	105.20	-54.12
5720.000	Peak	64.50	-1.70	62.80	110.80	-48.00
5725.000	Peak	69.66	-1.98	67.69	122.20	-54.51

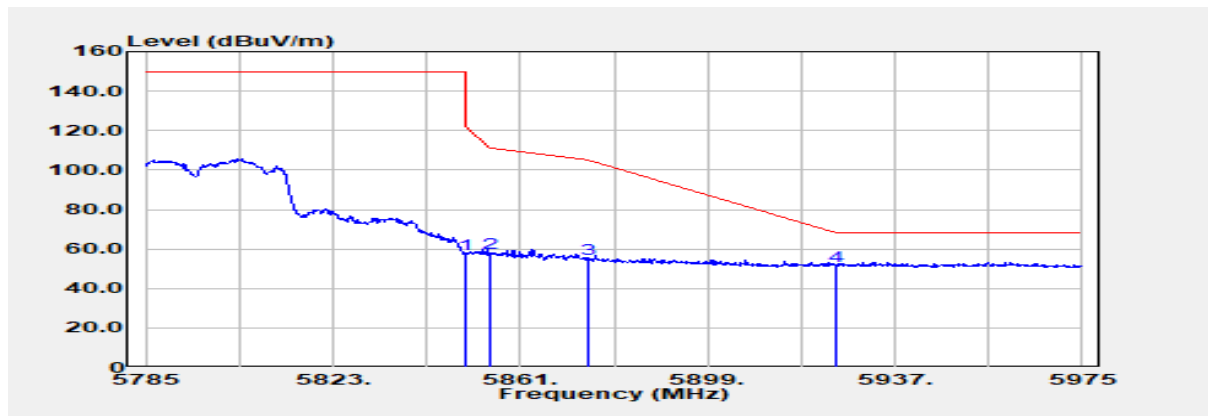
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 4  
 Test Frequency :5795 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	58.79	-1.57	57.22	122.20	-64.98
5855.000	Peak	59.19	-1.42	57.78	110.80	-53.02
5875.000	Peak	56.57	-1.42	55.15	105.20	-50.05
5925.000	Peak	52.53	-0.99	51.54	68.20	-16.66

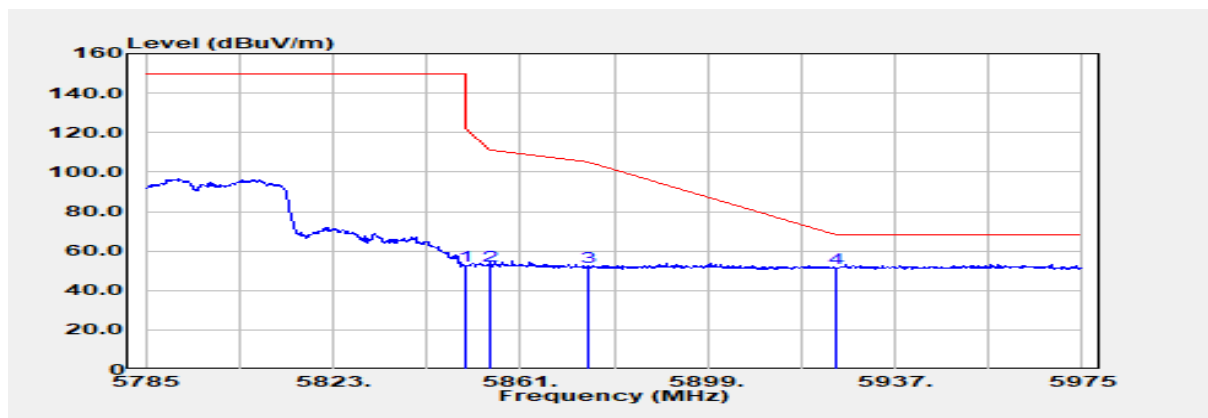
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Report Number :E2/2021/10092  
 Operation Mode :802.11n40 Band 4  
 Test Frequency :5795 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	53.89	-1.57	52.32	122.20	-69.88
5855.000	Peak	53.95	-1.42	52.53	110.80	-58.27
5875.000	Peak	53.09	-1.42	51.67	105.20	-53.53
5925.000	Peak	52.23	-0.99	51.24	68.20	-16.96

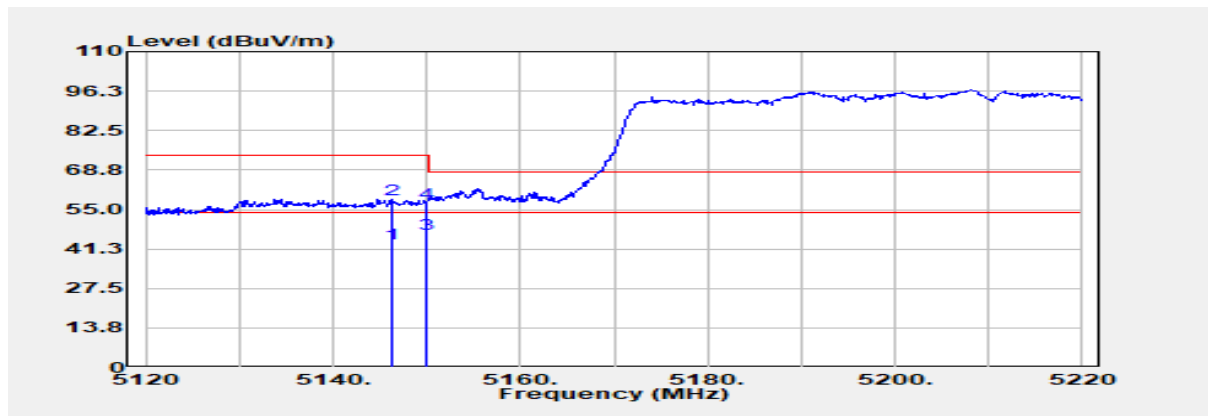
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 1  
 Test Frequency :5210 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5146.200	Average	45.47	-2.37	43.09	54.00	-10.91
5146.200	Peak	60.90	-2.37	58.53	74.00	-15.47
5150.000	Average	48.84	-2.43	46.41	54.00	-7.59
5150.000	Peak	59.62	-2.43	57.19	74.00	-16.81

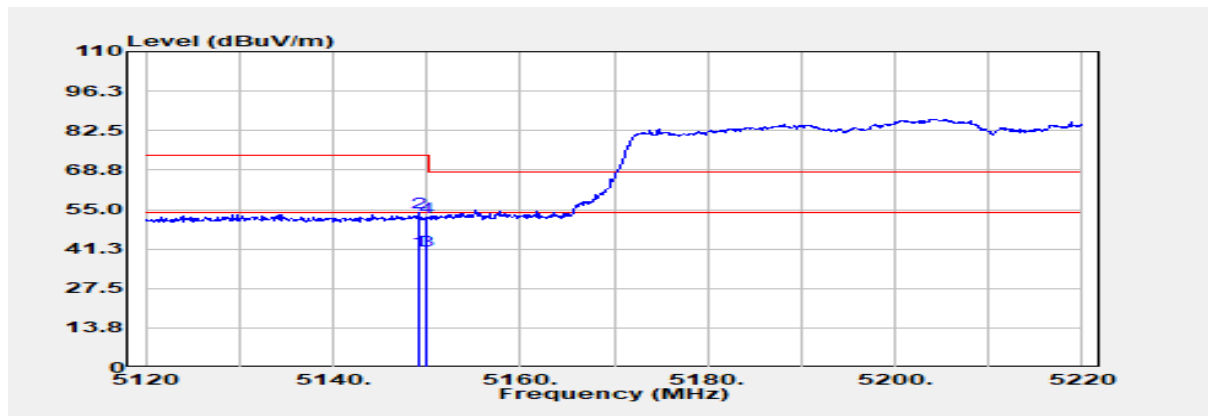
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 1  
 Test Frequency :5210 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5149.100	Average	43.23	-2.42	40.82	54.00	-13.18
5149.100	Peak	56.54	-2.42	54.13	74.00	-19.87
5150.000	Average	43.26	-2.43	40.83	54.00	-13.17
5150.000	Peak	54.60	-2.43	52.17	74.00	-21.83

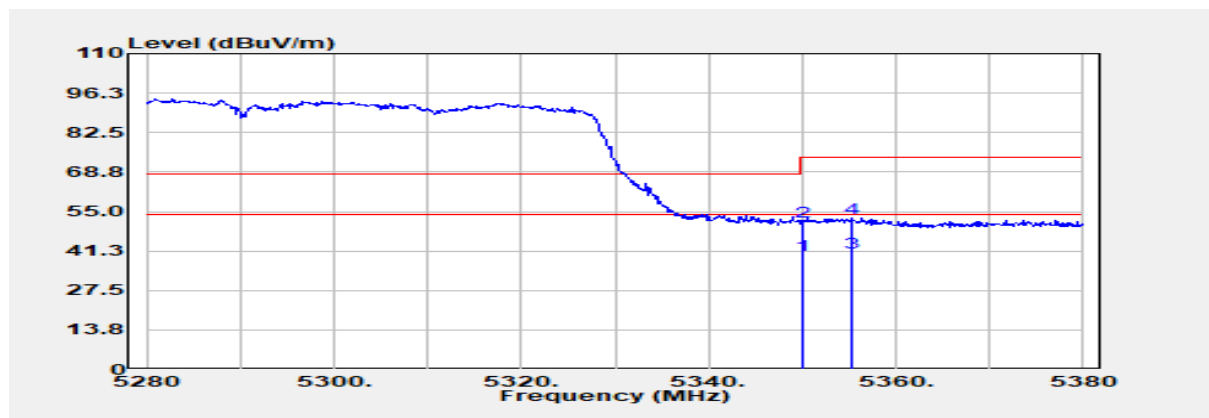
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 2  
 Test Frequency :5290 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	42.62	-2.76	39.85	54.00	-14.15
5350.000	Peak	54.24	-2.76	51.48	74.00	-22.52
5355.400	Average	43.61	-3.00	40.61	54.00	-13.39
5355.400	Peak	55.66	-3.00	52.67	74.00	-21.33

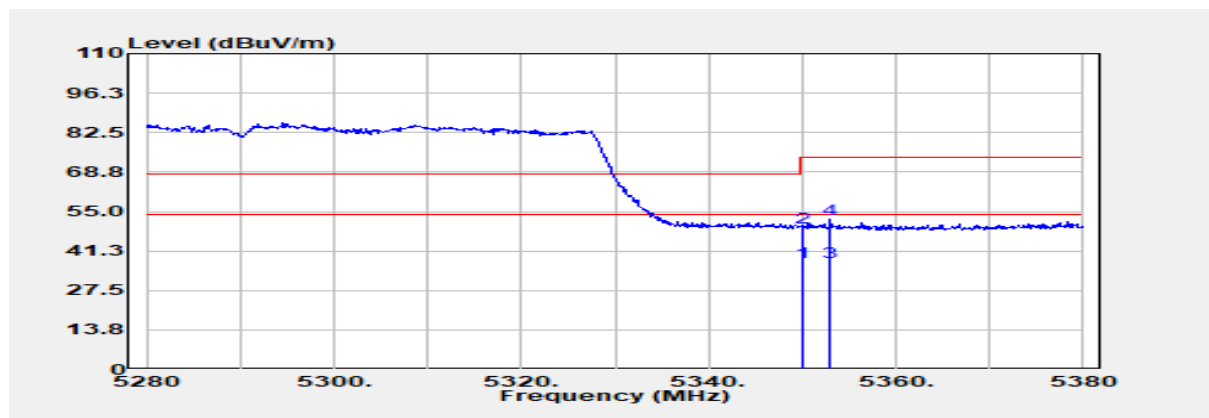
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 2  
 Test Frequency :5290 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-02-26  
 Temp./Humi. :20.9/68  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	40.32	-2.76	37.56	54.00	-16.44
5350.000	Peak	52.33	-2.76	49.57	74.00	-24.43
5353.000	Average	40.05	-2.89	37.15	54.00	-16.85
5353.000	Peak	55.16	-2.89	52.27	74.00	-21.73

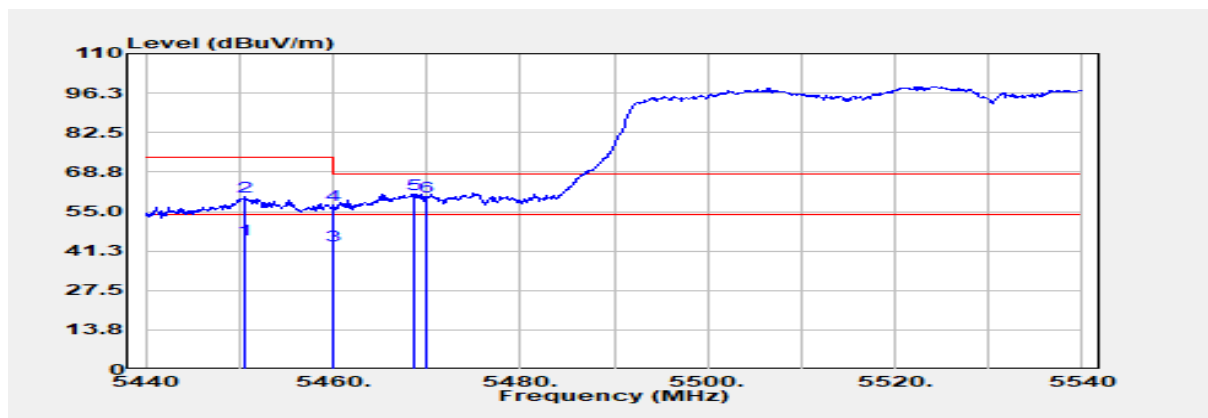
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 3  
 Test Frequency :5530 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.8/56  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5450.600	Average	47.67	-2.40	45.26	54.00	-8.74
5450.600	Peak	62.40	-2.40	60.00	74.00	-14.00
5460.000	Average	45.18	-2.18	43.00	54.00	-11.00
5460.000	Peak	59.56	-2.18	57.38	74.00	-16.62
5468.600	Peak	63.51	-2.32	61.19	68.20	-7.01
5470.000	Peak	62.38	-2.35	60.03	68.20	-8.17

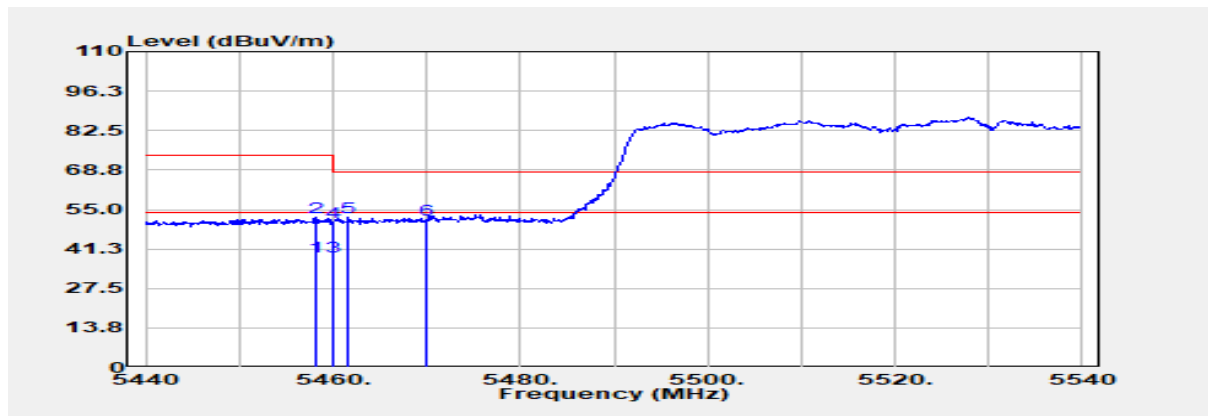
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 3  
 Test Frequency :5530 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.8/56  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5458.300	Average	40.99	-2.22	38.77	54.00	-15.23
5458.300	Peak	54.34	-2.22	52.12	74.00	-21.88
5460.000	Average	40.76	-2.18	38.57	54.00	-15.43
5460.000	Peak	52.76	-2.18	50.58	74.00	-23.42
5461.700	Peak	54.40	-2.21	52.19	68.20	-16.01
5470.000	Peak	53.79	-2.35	51.44	68.20	-16.76

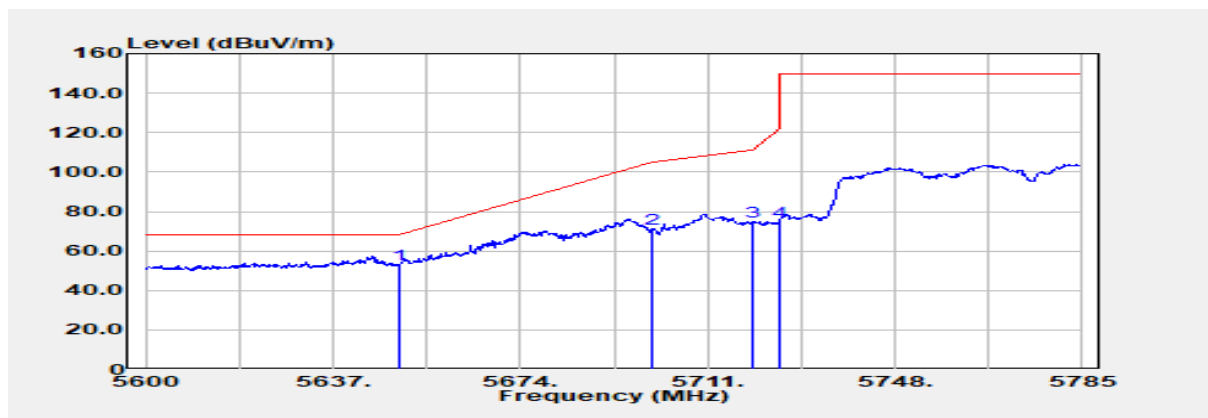
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 4  
 Test Frequency :5775 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.8/56  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5650.000	Peak	55.28	-2.00	53.28	68.20	-14.92
5700.000	Peak	73.45	-2.17	71.28	105.20	-33.92
5720.000	Peak	76.56	-1.70	74.87	110.80	-35.93
5725.000	Peak	76.82	-1.98	74.85	122.20	-47.35

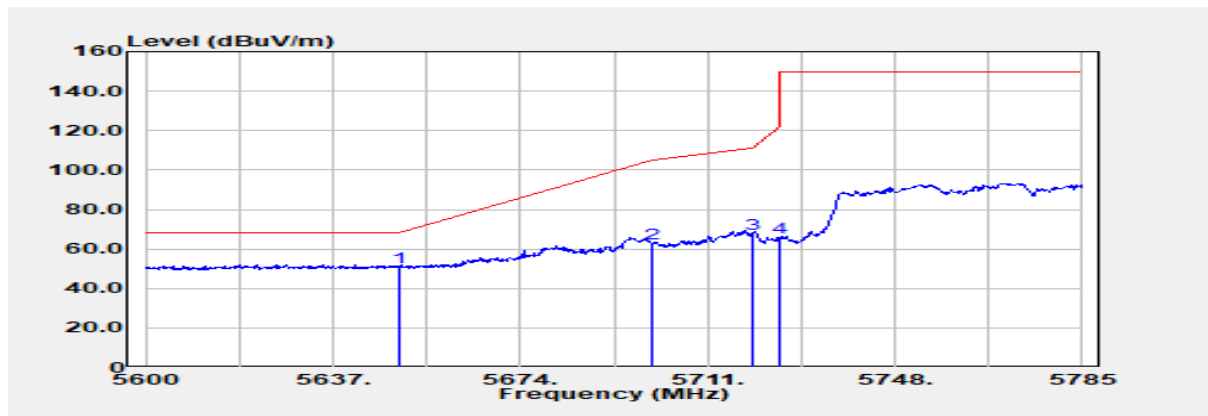
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 4  
 Test Frequency :5775 MHz  
 Test Mode :BE CH LOW  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.8/56  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.000	Peak	52.82	-2.00	50.83	68.20	-17.37
5700.000	Peak	64.84	-2.17	62.67	105.20	-42.53
5720.000	Peak	69.57	-1.70	67.87	110.80	-42.93
5725.000	Peak	67.79	-1.98	65.81	122.20	-56.39

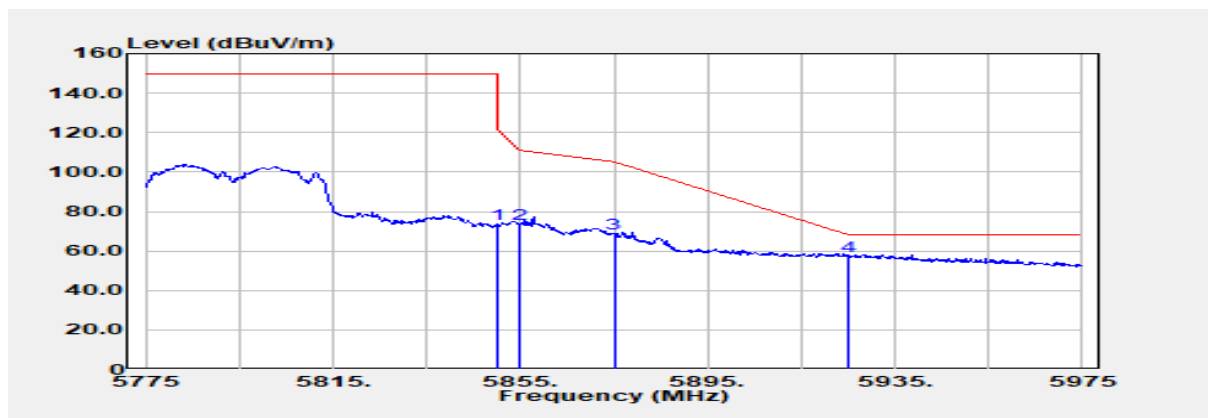
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Report Number :E2/2021/10092  
 Operation Mode :802.11ac80 Band 4  
 Test Frequency :5775 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.8/56  
 Antenna Pol. :Vertical  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5850.000	Peak	75.49	-1.57	73.92	122.20	-48.28
5855.000	Peak	75.25	-1.42	73.83	110.80	-36.97
5875.000	Peak	70.39	-1.42	68.97	105.20	-36.23
5925.000	Peak	58.15	-0.99	57.16	68.20	-11.04

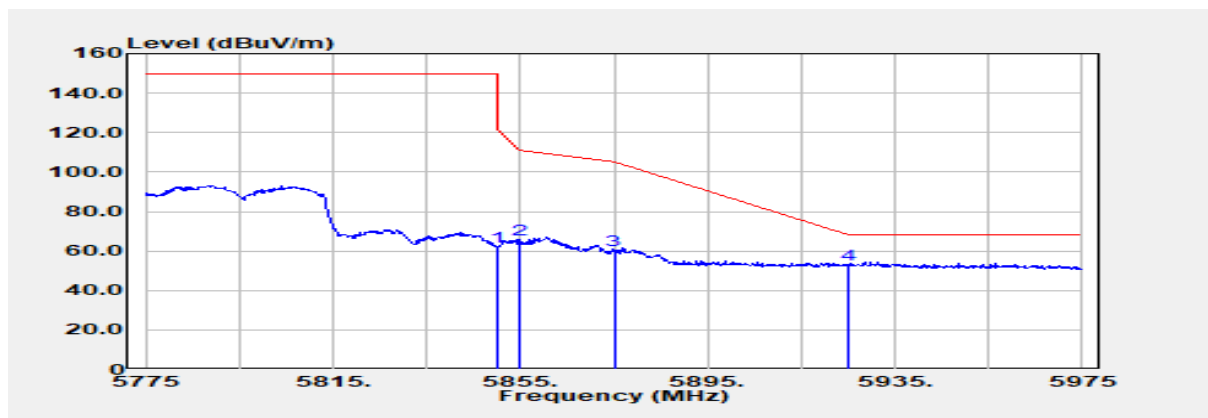
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 Operation Mode :802.11ac80 Band 4  
 Test Frequency :5775 MHz  
 Test Mode :BE CH HIGH  
 EUT Pol :NB Plan

Test Site :966 Chamber D  
 Test Date :2021-03-02  
 Temp./Humi. :21.8/56  
 Antenna Pol. :Horizontal  
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	63.66	-1.57	62.09	122.20	-60.11
5855.000	Peak	67.08	-1.42	65.66	110.80	-45.14
5875.000	Peak	61.69	-1.42	60.27	105.20	-44.93
5925.000	Peak	53.83	-0.99	52.84	68.20	-15.36

~ End of Report ~

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