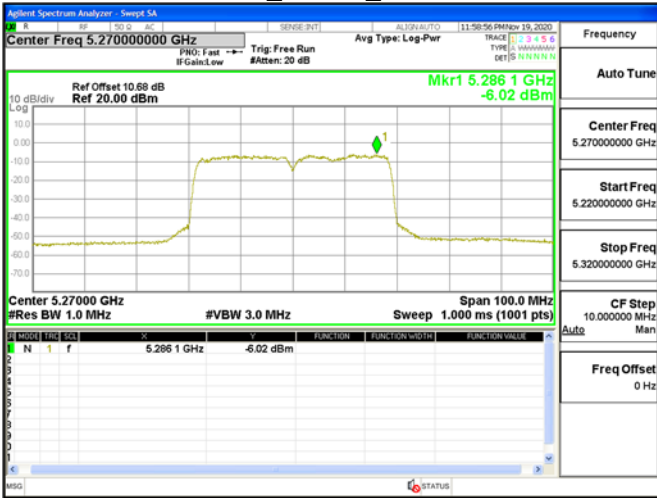
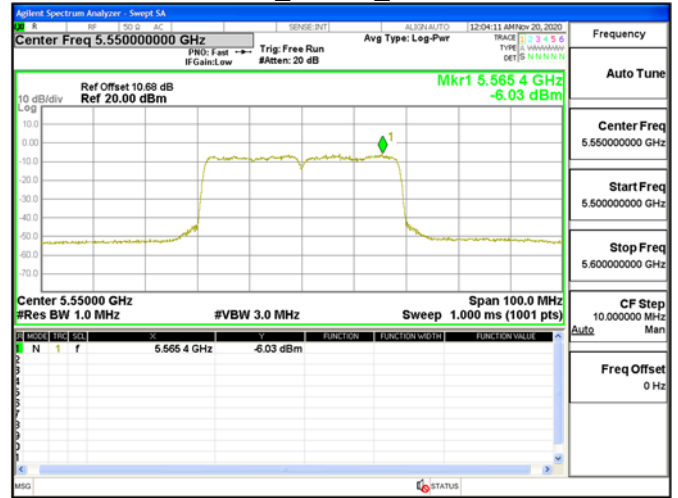


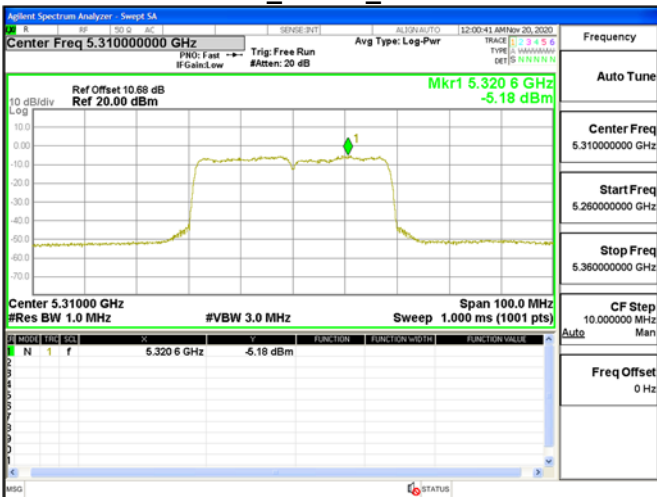
802.11n_40MHz_5270MHz



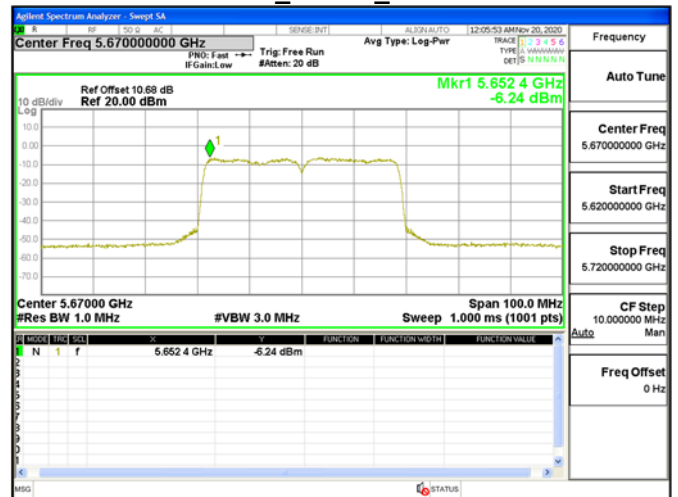
802.11n_40MHz_5550MHz



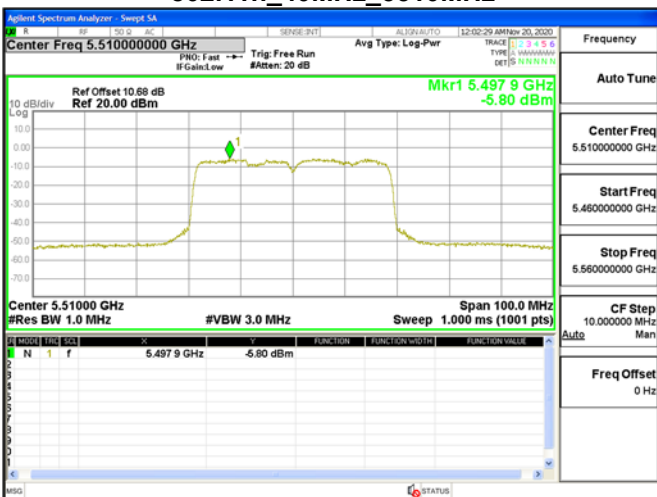
802.11n_40MHz_5310MHz



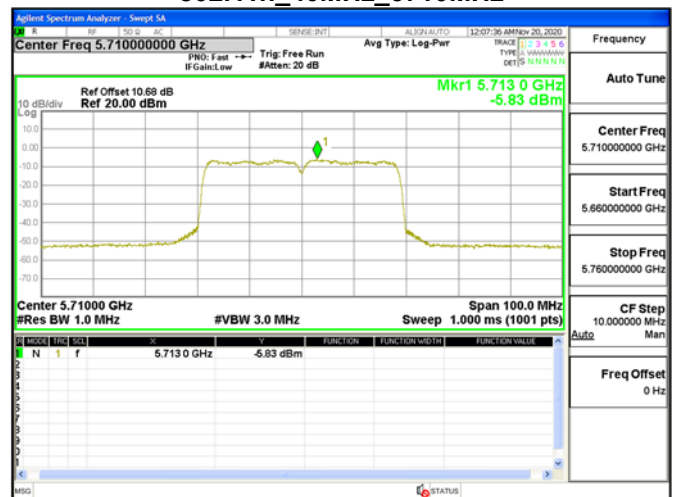
802.11n_40MHz_5670MHz



802.11n_40MHz_5510MHz



802.11n_40MHz_5710MHz

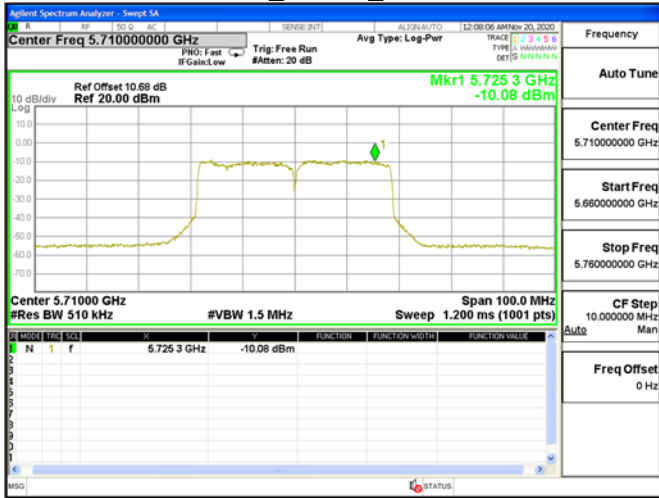


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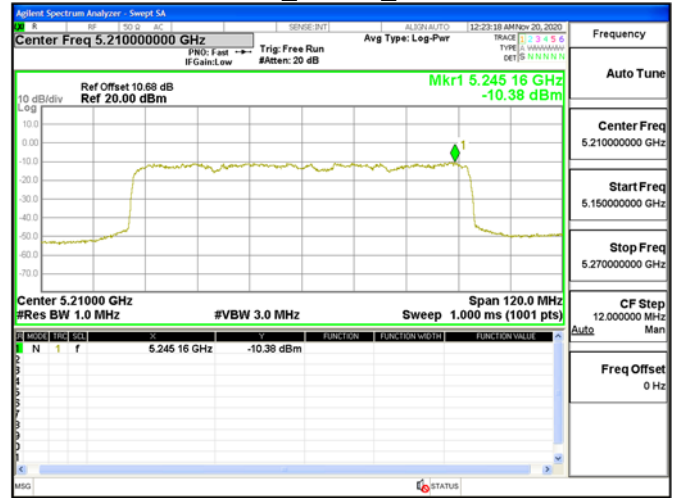
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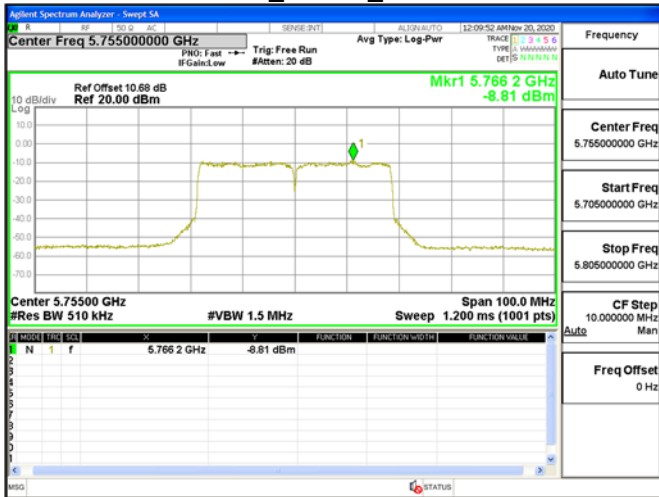
802.11n_40MHz_5710MHz



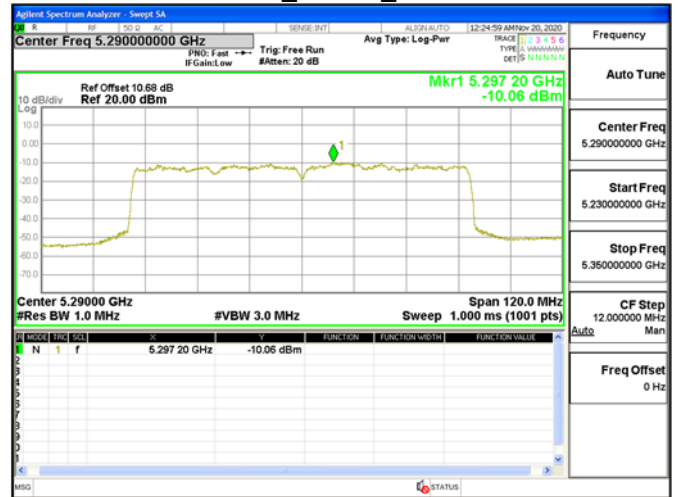
802.11ac_80MHz_5210MHz



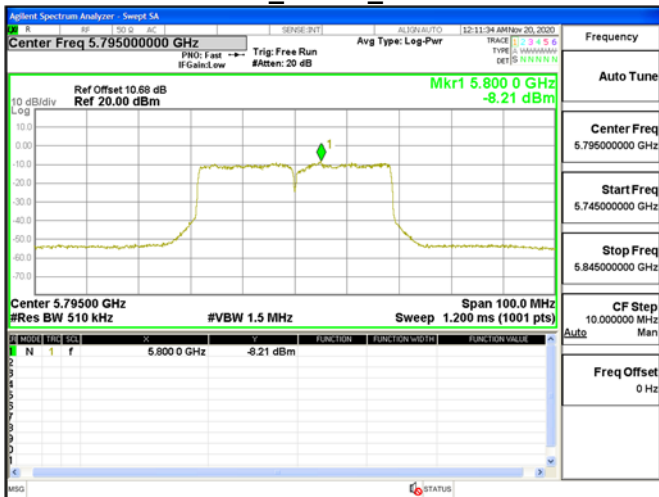
802.11n_40MHz_5755MHz



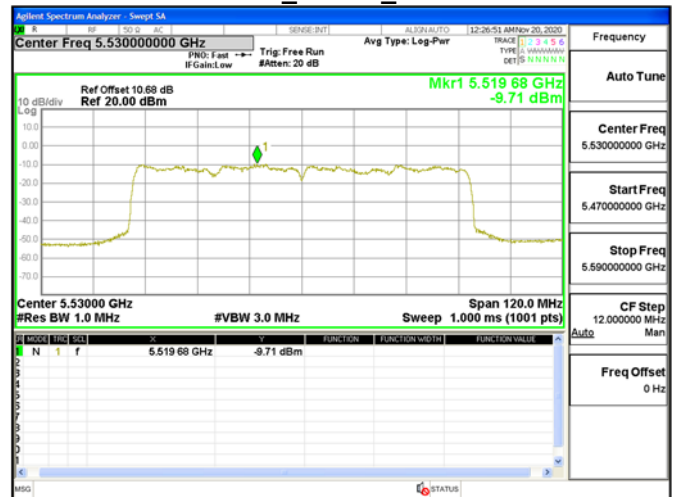
802.11ac_80MHz_5290MHz



802.11n_40MHz_5795MHz



802.11ac_80MHz_5530MHz

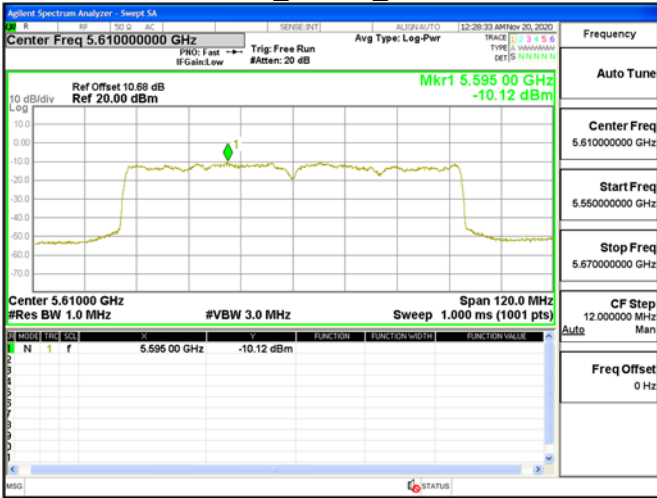


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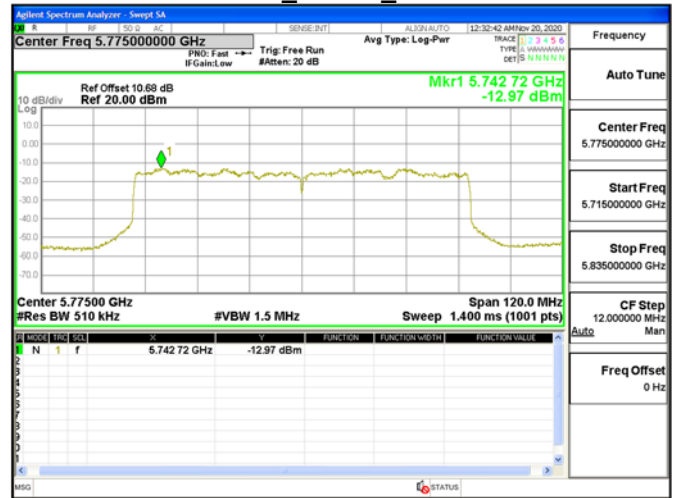
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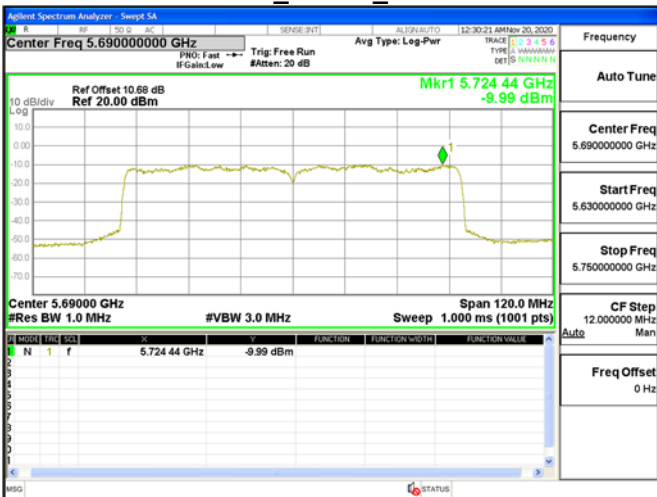
802.11ac_80MHz_5610MHz



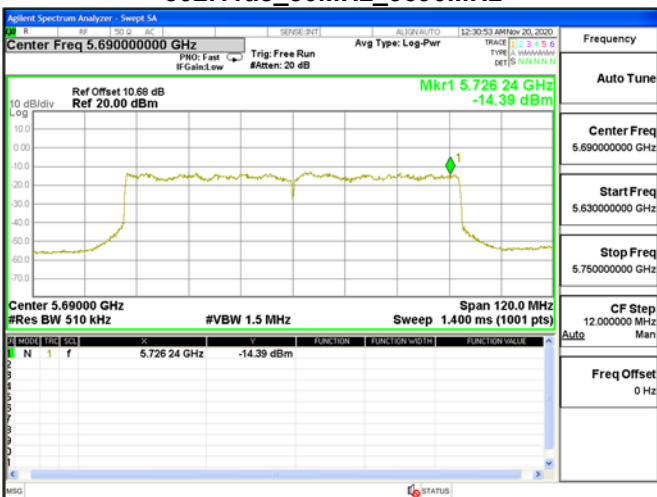
802.11ac_80MHz_5775MHz



802.11ac_80MHz_5690MHz



802.11ac_80MHz_5690MHz



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11 UNDESIRABLE RADIATED EMISSION MEASUREMENT

11.1 Standard Applicable

11.1.1 Band Edge

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

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

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

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

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11.1.2 Spurious Emission

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

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

Note:

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

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11.2 Measurement Equipment Used

SGS SAC-III					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Horn Antenna	Schwarzbeck	BBHA9120D	1441	10/16/2020	10/15/2021
Horn Antenna	Schwarzbeck	BBHA9170	184	12/25/2019	12/24/2020
Bi-log Antenna	TESEO	CBL 6112D	35242 & AT-N0555	01/13/2020	01/12/2021
Loop Antenna	ETS.LINDGREN	6502	148045	10/19/2020	10/18/2021
Spectrum Analyzer	Agilent	E4446A	MY51100003	10/29/2020	10/28/2021
EMI Test Receiver	R&S	ESCI 7	100759	07/13/2020	07/12/2021
Pre-Amplifier	EMC Instruments	EMC051825	980152	01/02/2020	01/01/2021
Pre-Amplifier	HP	8447D	2944A09469	01/02/2020	01/01/2021
Attenuator	Mini-Circuit	BW-S10W2+	4	01/02/2020	01/01/2021
Filter 5150-5350 MHz	Micro-Tronics	BRM50703	1	01/02/2020	01/01/2021
Filter 5470-5725 MHz	Micro-Tronics	BRM50704	1	01/02/2020	01/01/2021
Filter 5725-5875 MHz	Micro-Tronics	BRM50705	1	01/02/2020	01/01/2021
High Pass Filter	WI	WHKX7.0/18G-8SS	45	01/02/2020	01/01/2021
Coaxial Cable	Huber Suhner	succoflex 102	MY2622/2	01/02/2020	01/01/2021
Coaxial Cable	Huber Suhner	succoflex 104A	800086/4a	01/02/2020	01/01/2021
Coaxial Cable	Huber Suhner	EMC 104-SM-SM-2000	160123	01/02/2020	01/01/2021

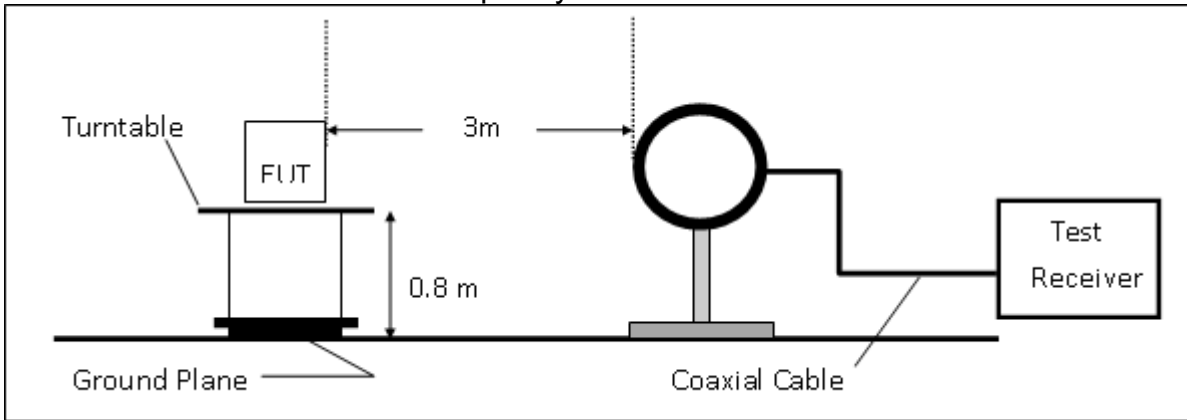
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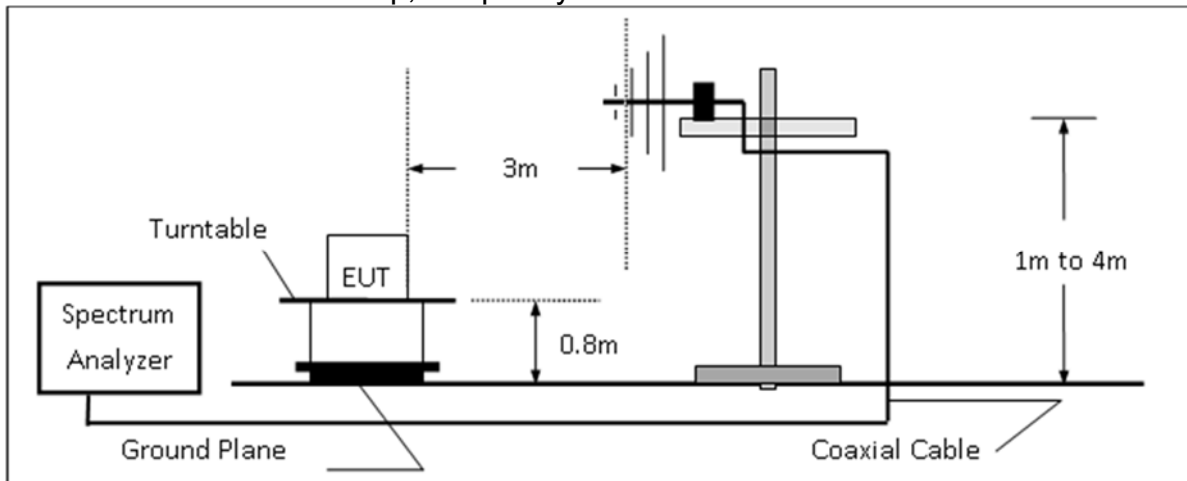
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11.3 Test SET-UP

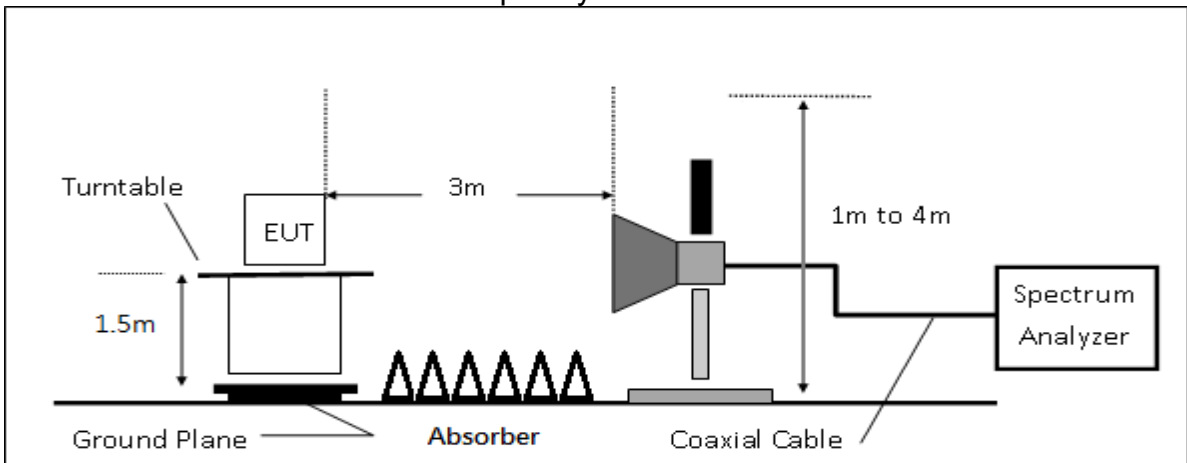
(A) Radiated Emission Test Set-UP Frequency Below 30MHz.



(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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11.4 Measurement Procedure

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

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

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

11.6 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) 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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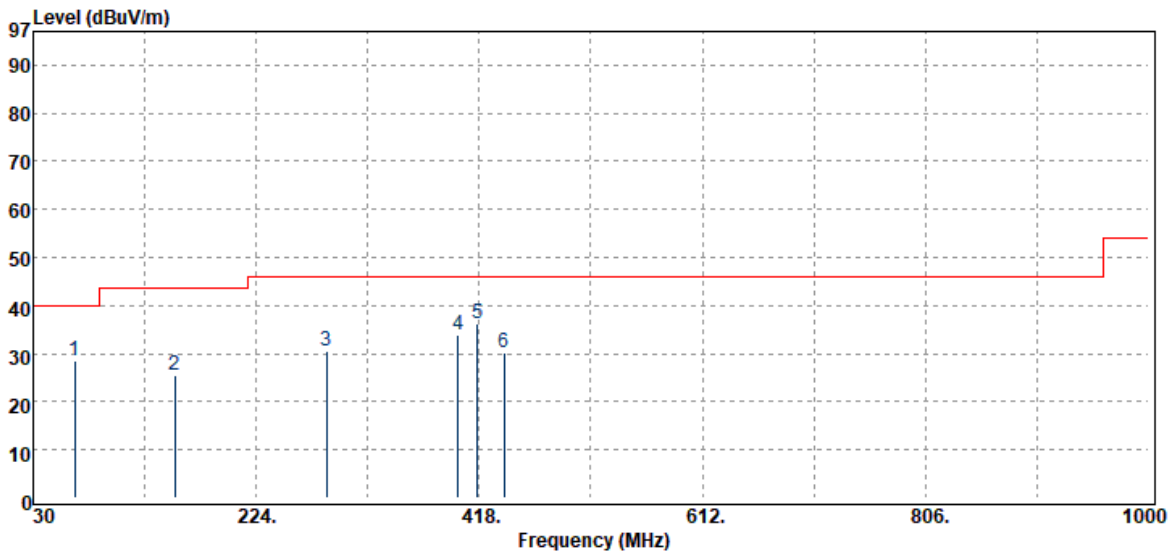
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11.7 Radiated Spurious Emission Measurement Result

11.7.1 Below 1GHz Worst-Case Data:

Report Number	:ER/2020/B0093	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2020-12-05
Test Frequency	:5220 MHz	Temp./Humi.	:23.3/61
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plane	Engineer	:Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
65.89	Peak	45.86	-17.37	28.49	40.00	-11.51
153.19	Peak	37.67	-12.13	25.54	43.50	-17.96
285.11	Peak	39.21	-8.73	30.48	46.00	-15.52
399.57	Peak	39.95	-6.08	33.87	46.00	-12.13
416.06	Peak	41.37	-5.19	36.18	46.00	-9.82
439.34	Peak	36.54	-6.19	30.35	46.00	-15.65

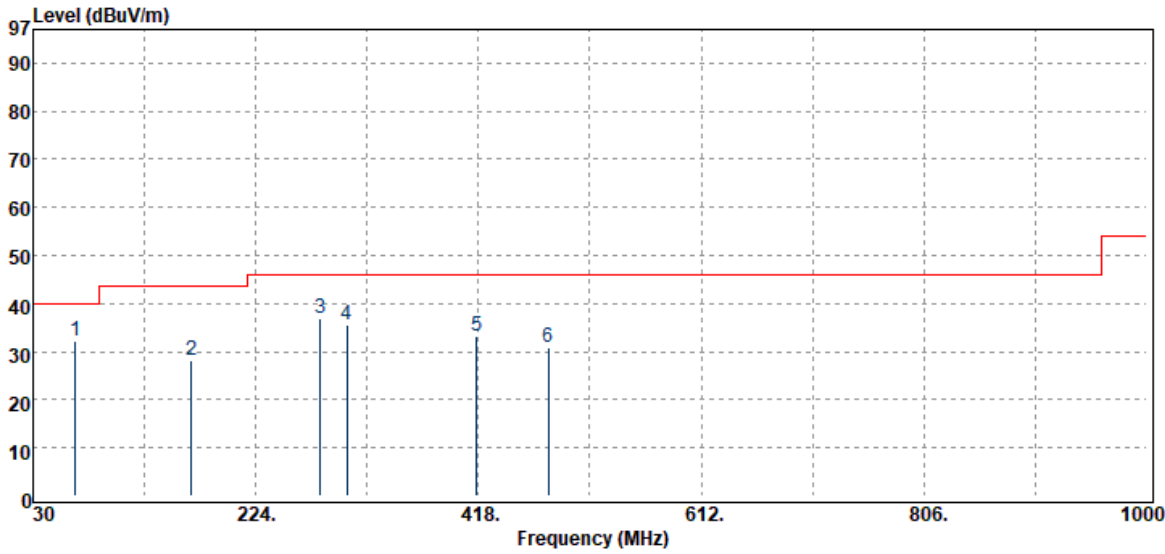
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5220 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-05
 Temp./Humi. :23.3/61
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
66.86	Peak	49.80	-17.45	32.35	40.00	-7.65
167.74	Peak	41.12	-12.79	28.33	43.50	-15.17
280.26	Peak	45.72	-8.81	36.91	46.00	-9.09
303.54	Peak	44.11	-8.43	35.68	46.00	-10.32
416.06	Peak	38.26	-5.19	33.07	46.00	-12.93
479.11	Peak	36.09	-5.37	30.72	46.00	-15.28

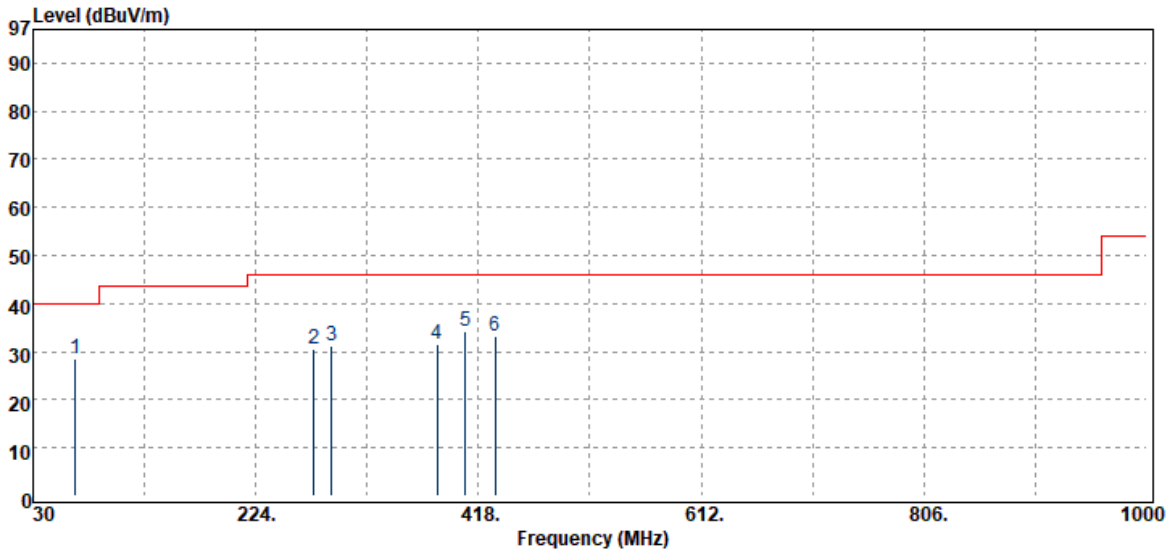
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5300 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-05
 Temp./Humi. :23.3/61
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
66.86	Peak	45.87	-17.45	28.42	40.00	-11.58
274.44	Peak	39.35	-8.85	30.50	46.00	-15.50
289.96	Peak	39.91	-8.62	31.29	46.00	-14.71
382.11	Peak	38.33	-6.83	31.50	46.00	-14.50
406.36	Peak	39.84	-5.67	34.17	46.00	-11.83
432.55	Peak	39.27	-6.02	33.25	46.00	-12.75

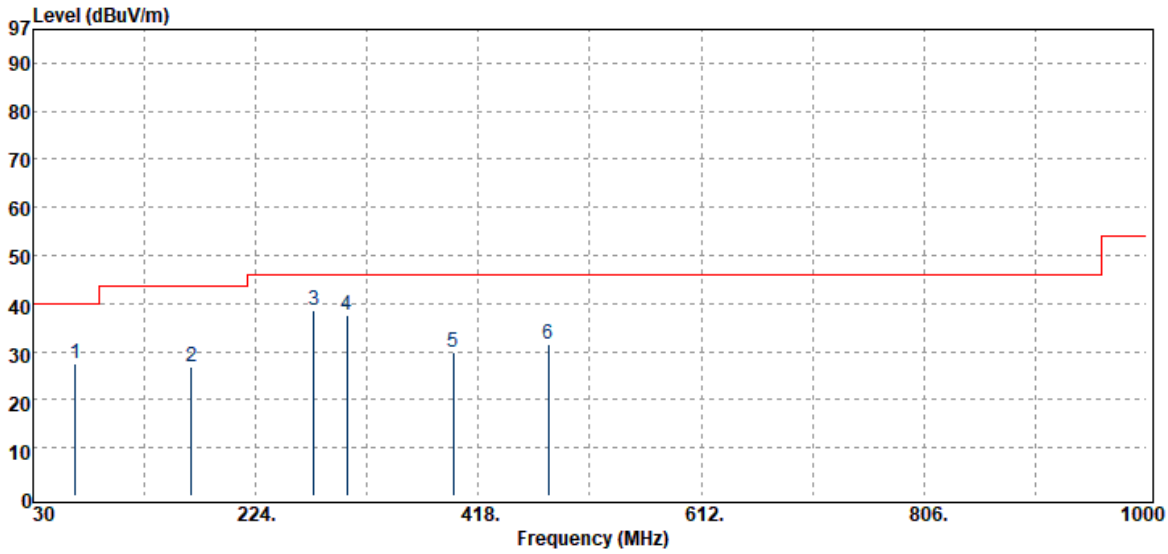
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5300 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-05
 Temp./Humi. :23.3/61
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
66.86	Peak	45.05	-17.45	27.60	40.00	-12.40
167.74	Peak	39.67	-12.79	26.88	43.50	-16.62
274.44	Peak	47.45	-8.85	38.60	46.00	-7.40
303.54	Peak	45.96	-8.43	37.53	46.00	-8.47
395.69	Peak	36.20	-6.25	29.95	46.00	-16.05
479.11	Peak	36.91	-5.37	31.54	46.00	-14.46

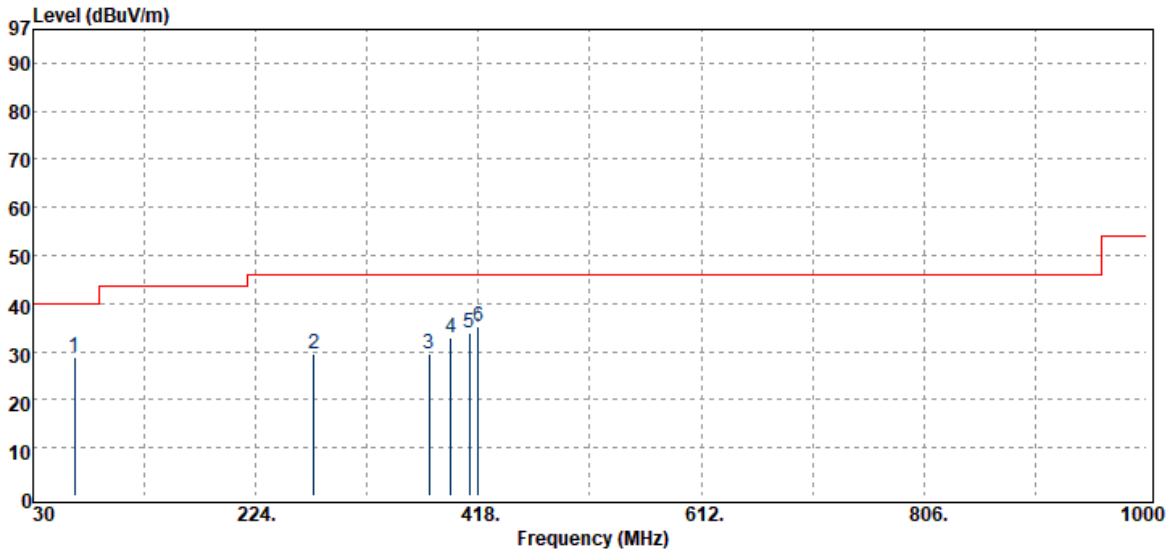
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5580 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-05
 Temp./Humi. :23.3/61
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
65.89	Peak	46.20	-17.37	28.83	40.00	-11.17
274.44	Peak	38.44	-8.85	29.59	46.00	-16.41
375.32	Peak	36.42	-6.91	29.51	46.00	-16.49
393.75	Peak	39.29	-6.36	32.93	46.00	-13.07
410.24	Peak	39.20	-5.33	33.87	46.00	-12.13
418.00	Peak	40.51	-5.21	35.30	46.00	-10.70

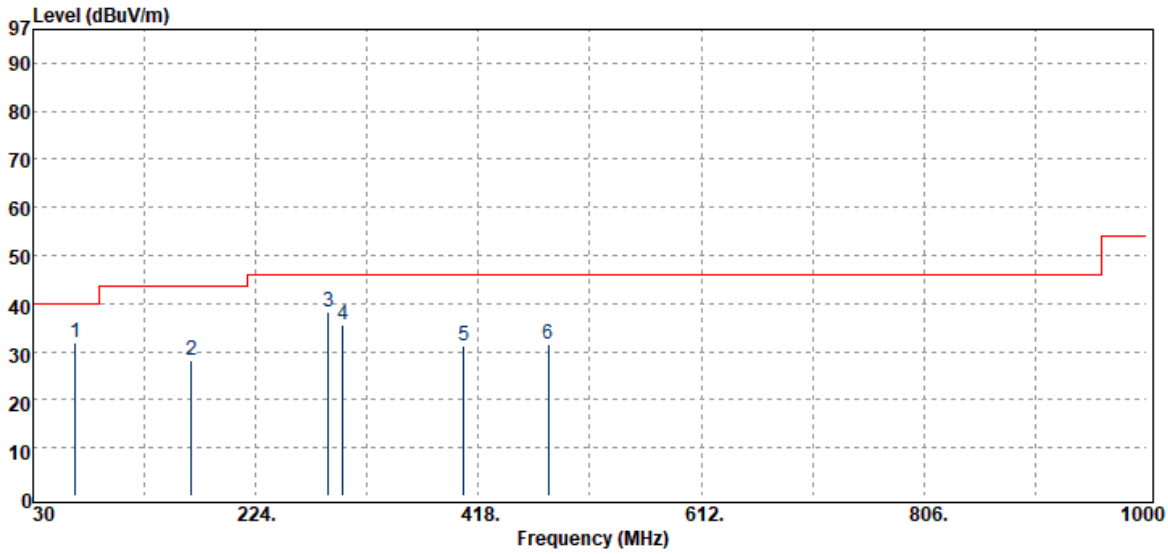
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5580 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-05
 Temp./Humi. :23.3/61
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
66.86	Peak	49.49	-17.45	32.04	40.00	-7.96
167.74	Peak	41.12	-12.79	28.33	43.50	-15.17
287.05	Peak	46.88	-8.69	38.19	46.00	-7.81
299.66	Peak	44.06	-8.55	35.51	46.00	-10.49
405.39	Peak	36.95	-5.76	31.19	46.00	-14.81
479.11	Peak	36.99	-5.37	31.62	46.00	-14.38

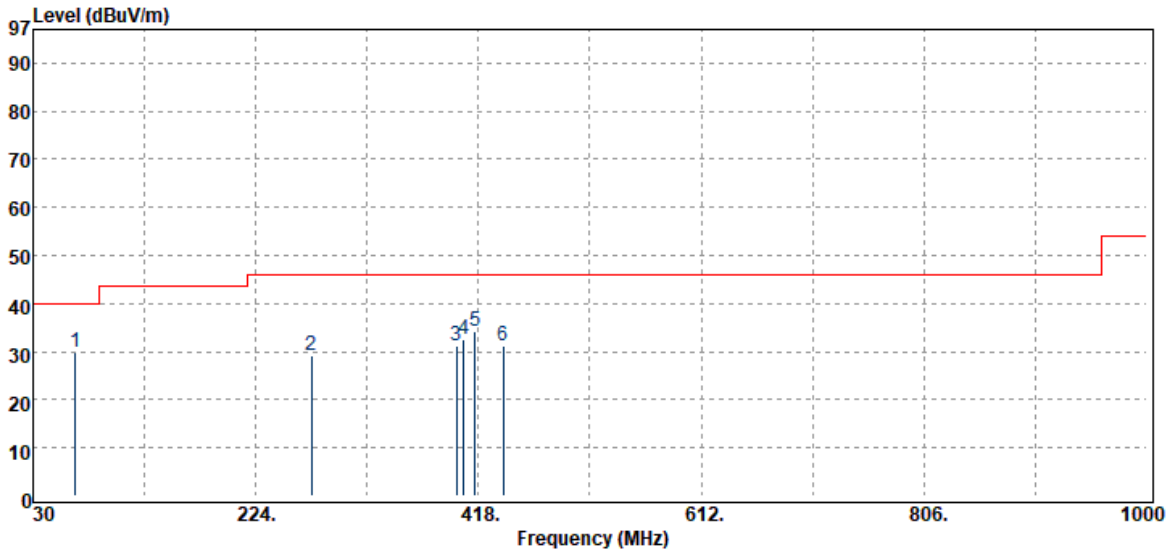
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5785 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-05
 Temp./Humi. :23.3/61
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
66.86	Peak	47.38	-17.45	29.93	40.00	-10.07
272.50	Peak	38.08	-8.82	29.26	46.00	-16.74
398.60	Peak	37.27	-6.12	31.15	46.00	-14.85
405.39	Peak	38.28	-5.76	32.52	46.00	-13.48
415.09	Peak	39.42	-5.18	34.24	46.00	-11.76
439.34	Peak	37.55	-6.19	31.36	46.00	-14.64

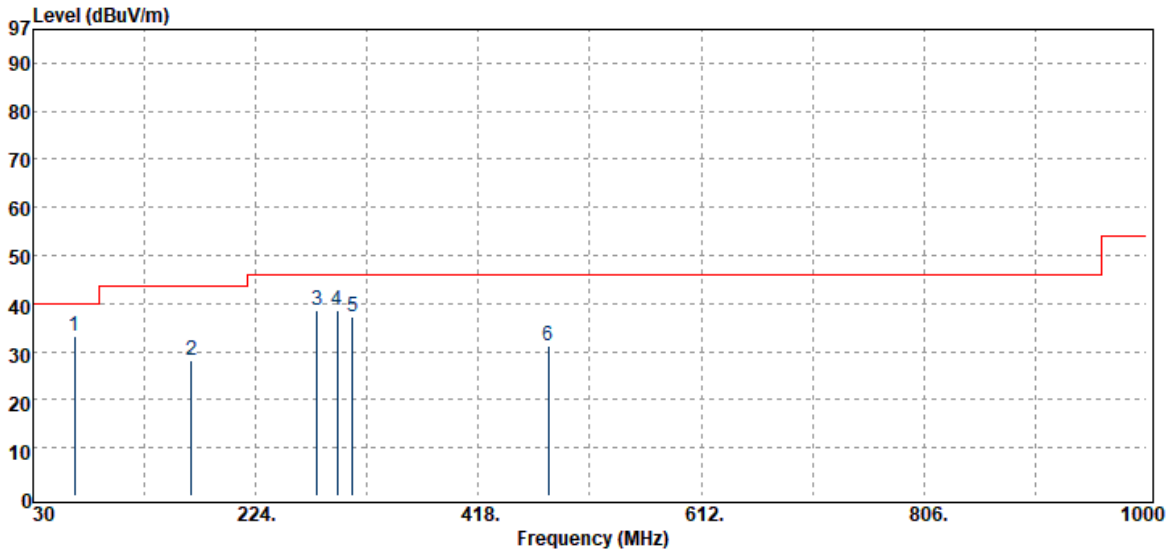
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5785 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-05
 Temp./Humi. :23.3/61
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
65.89	Peak	50.49	-17.37	33.12	40.00	-6.88
167.74	Peak	40.98	-12.79	28.19	43.50	-15.31
277.35	Peak	47.30	-8.84	38.46	46.00	-7.54
294.81	Peak	47.35	-8.59	38.76	46.00	-7.24
308.39	Peak	45.40	-8.28	37.12	46.00	-8.88
479.11	Peak	36.74	-5.37	31.37	46.00	-14.63

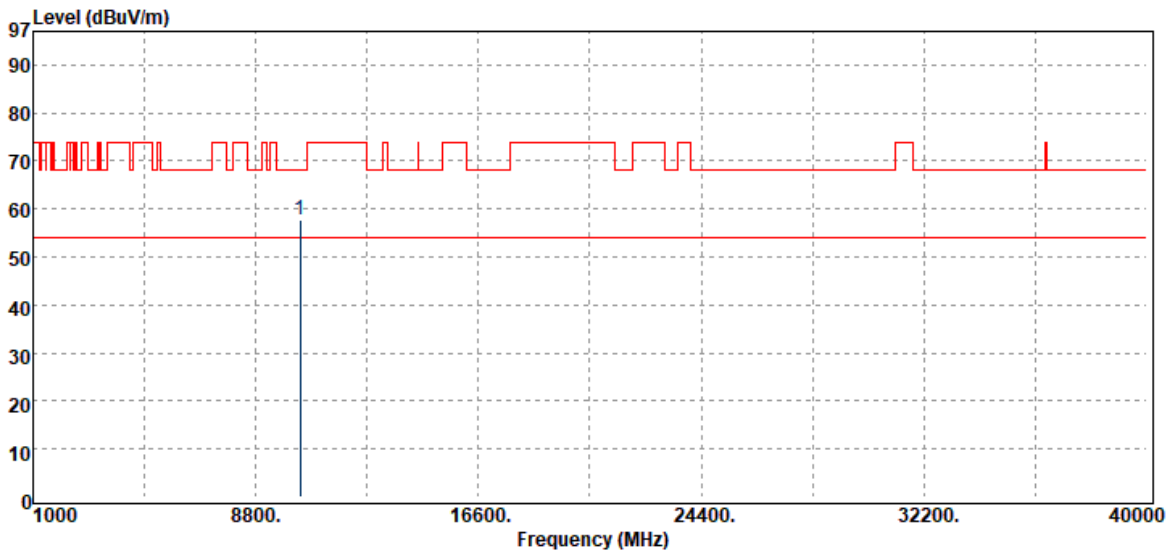
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11.7.2 Above 1GHz Worst-Case Data:

Report Number	:ER/2020/B0093	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2020-12-09
Test Frequency	:5180 MHz	Temp./Humi.	:23.2/64
Test Mode	:Tx CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plane	Engineer	:Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10360.00	Peak	31.33	26.38	57.71	68.20	-10.49

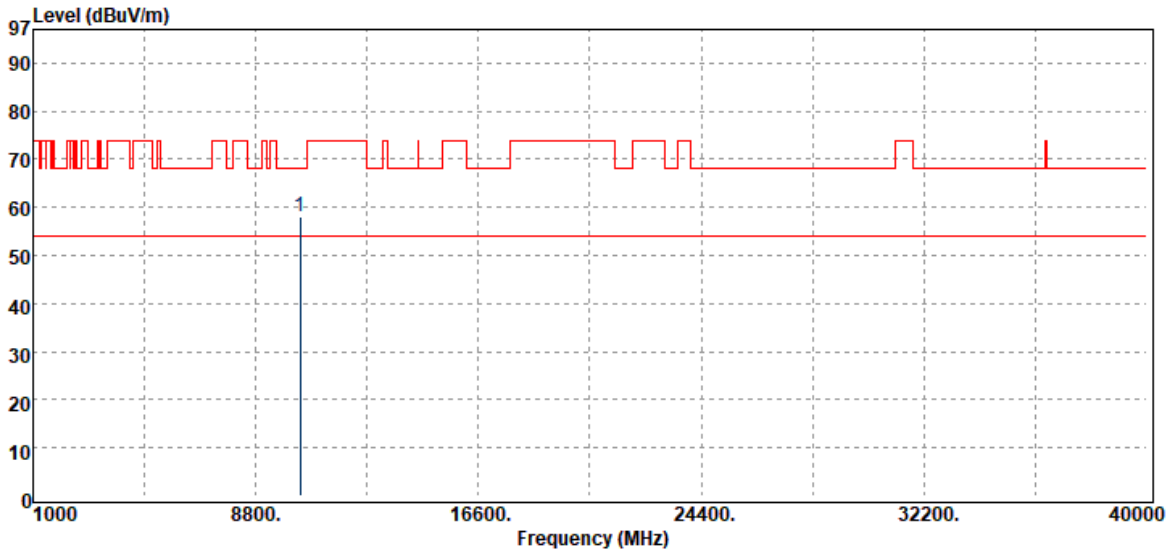
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5180 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10360.00	Peak	31.52	26.38	57.90	68.20	-10.30

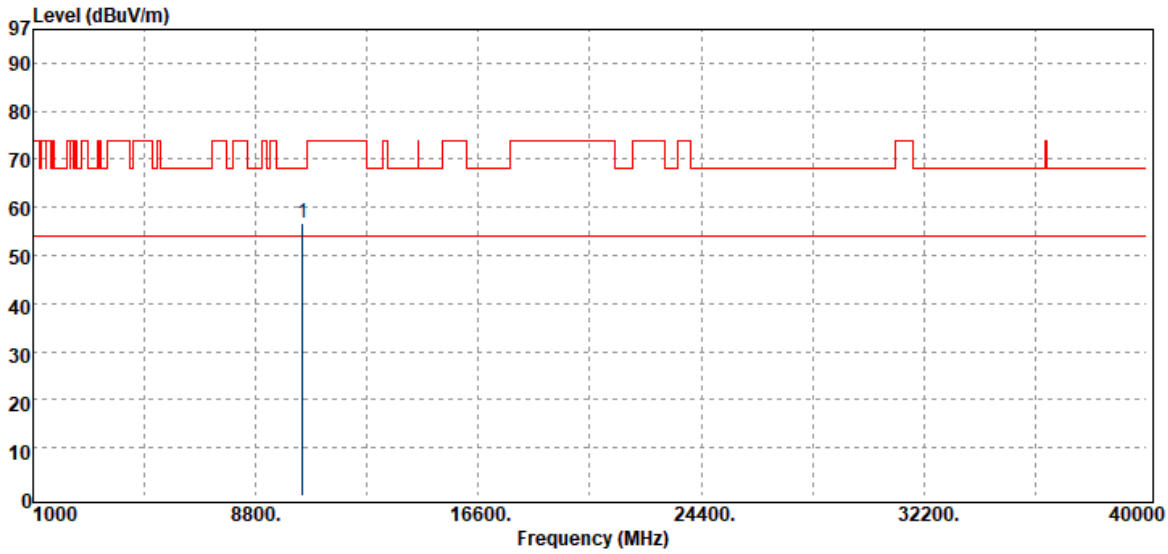
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5220 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10440.00	Peak	30.12	26.76	56.88	68.20	-11.32

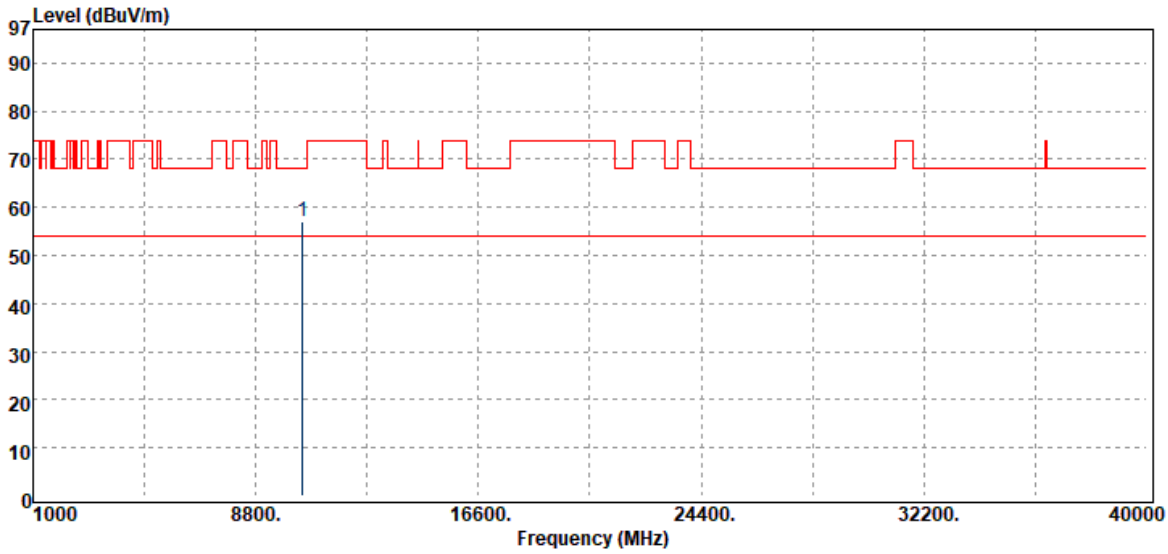
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5220 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10440.00	Peak	30.28	26.76	57.04	68.20	-11.16

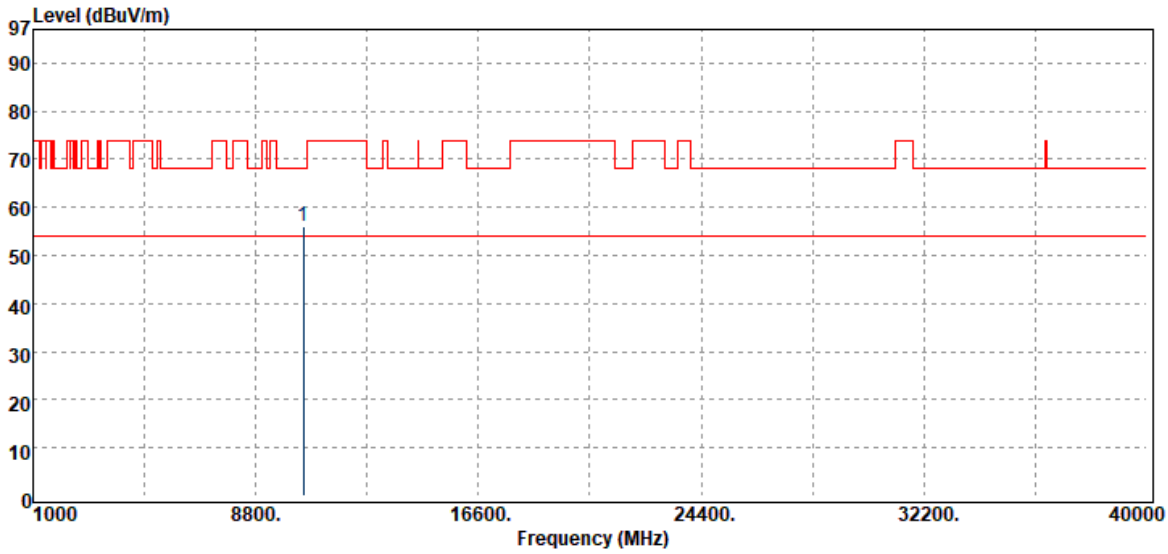
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5240 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10480.00	Peak	29.77	26.40	56.17	68.20	-12.03

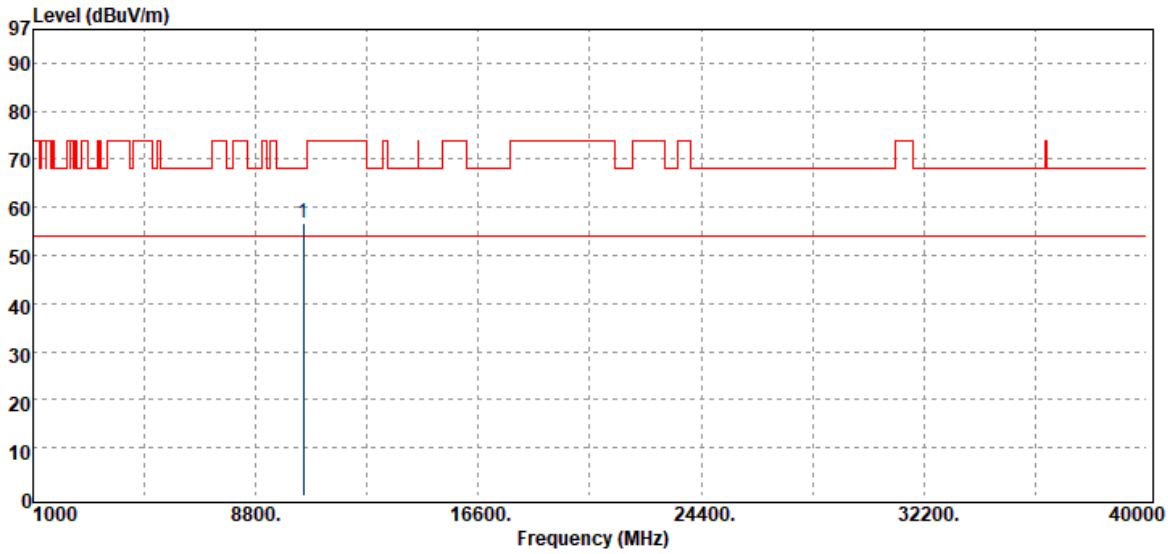
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5240 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10480.00	Peak	30.30	26.40	56.70	68.20	-11.50

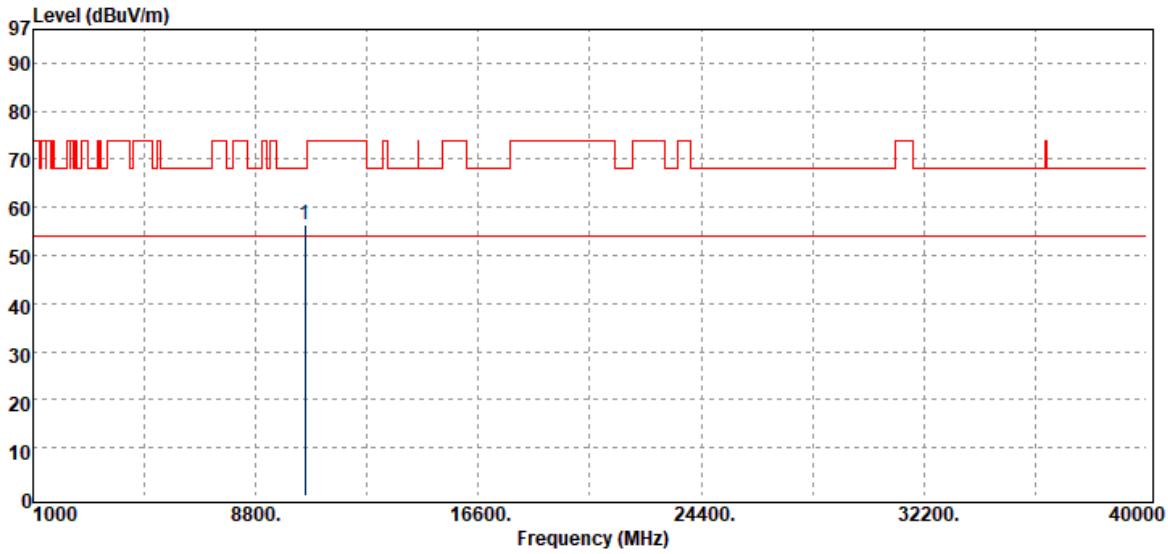
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5260 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10520.00	Peak	29.98	26.32	56.30	68.20	-11.90

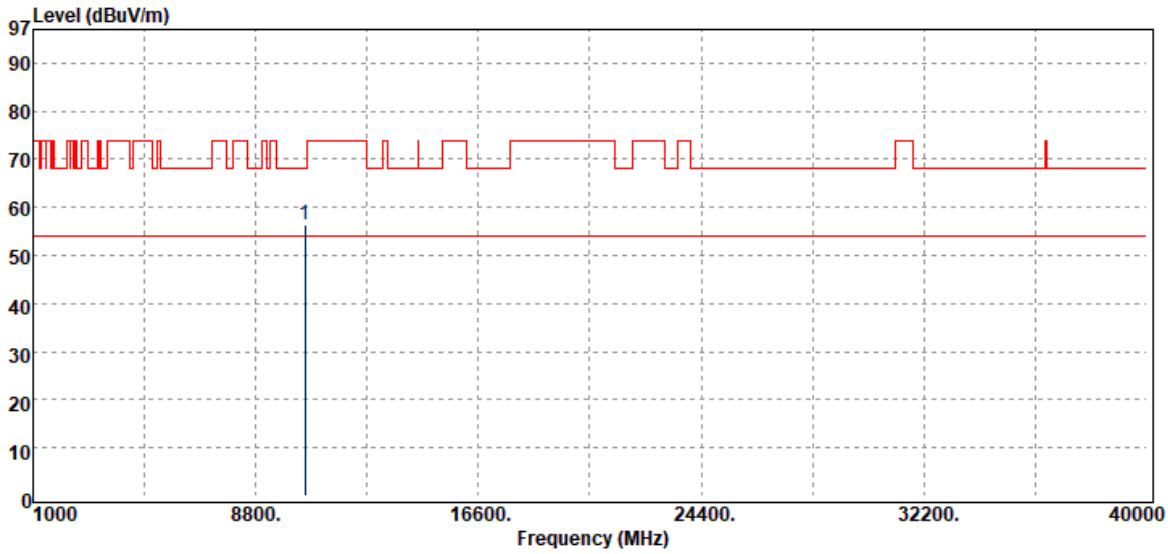
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5260 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10520.00	Peak	29.98	26.32	56.30	68.20	-11.90

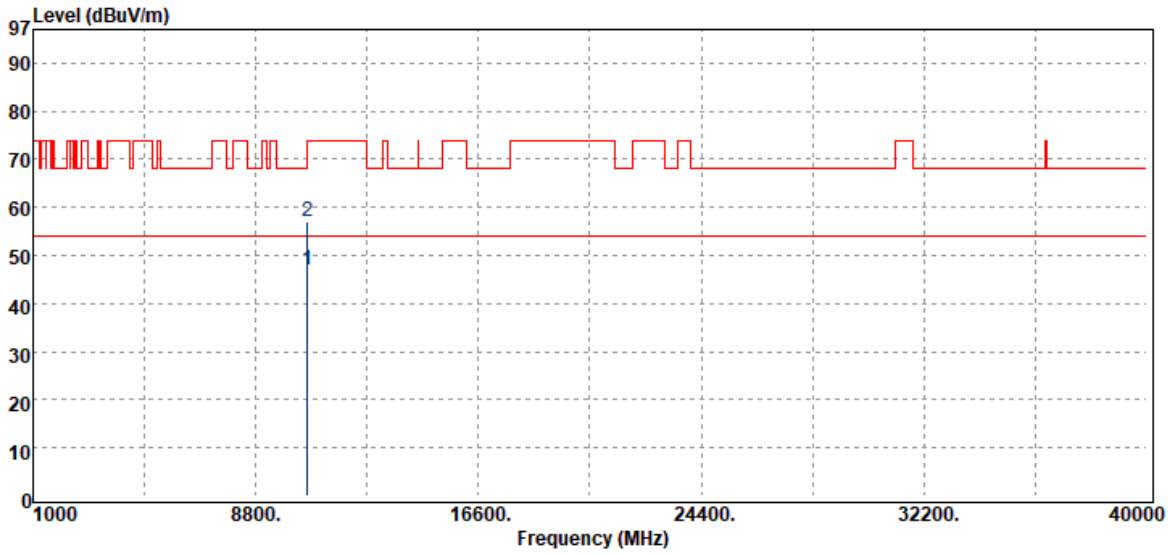
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5300 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10600.00	Average	20.36	26.78	47.14	54.00	-6.86
10600.00	Peak	30.36	26.78	57.14	74.00	-16.86

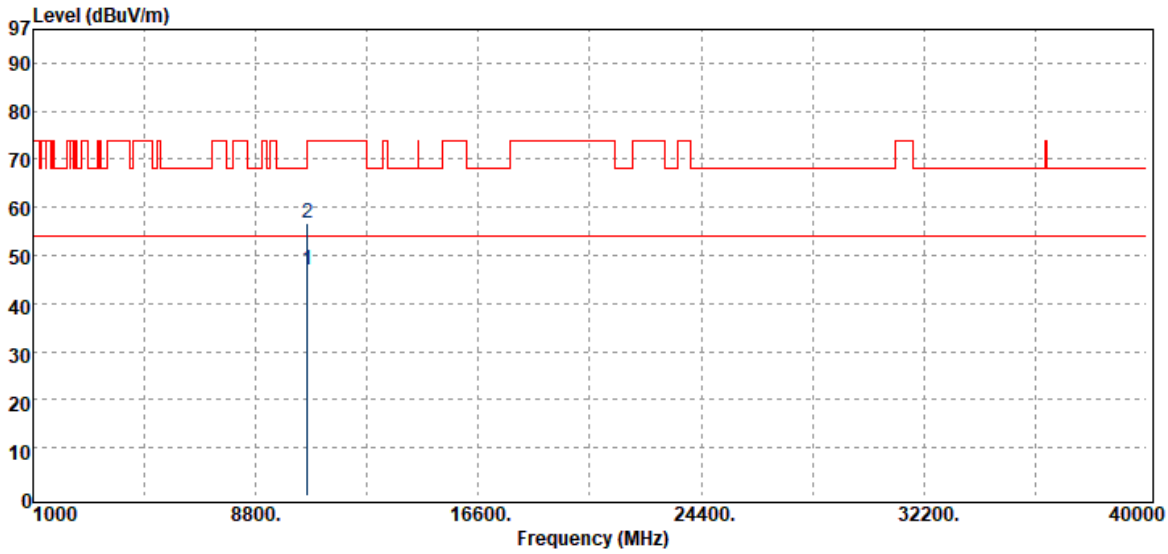
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5300 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10600.00	Average	20.28	26.78	47.06	54.00	-6.94
10600.00	Peak	29.98	26.78	56.76	74.00	-17.24

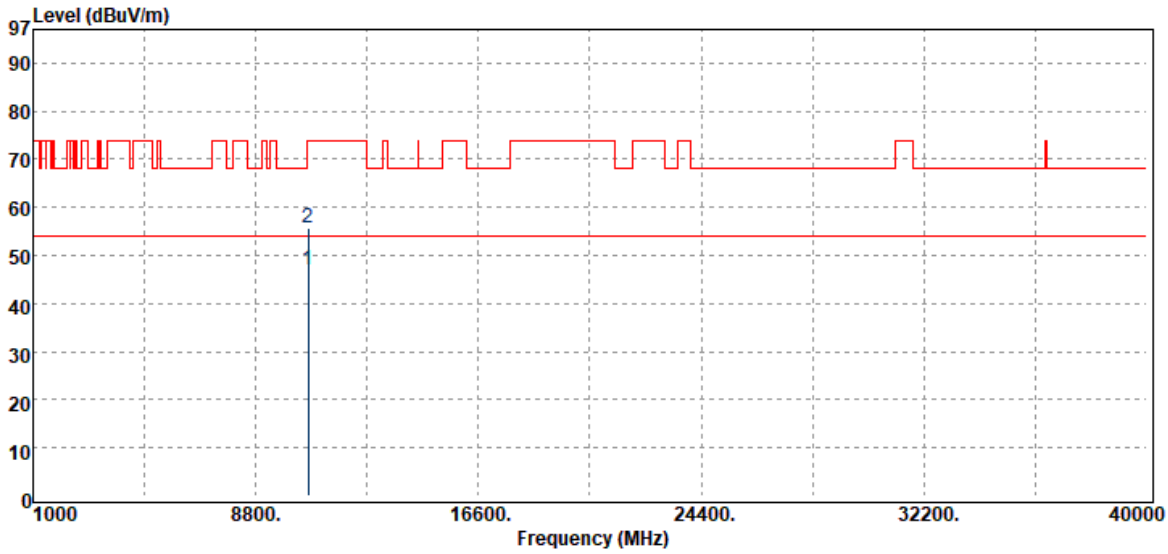
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5320 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10640.00	Average	20.49	26.51	47.00	54.00	-7.00
10640.00	Peak	29.26	26.51	55.77	74.00	-18.23

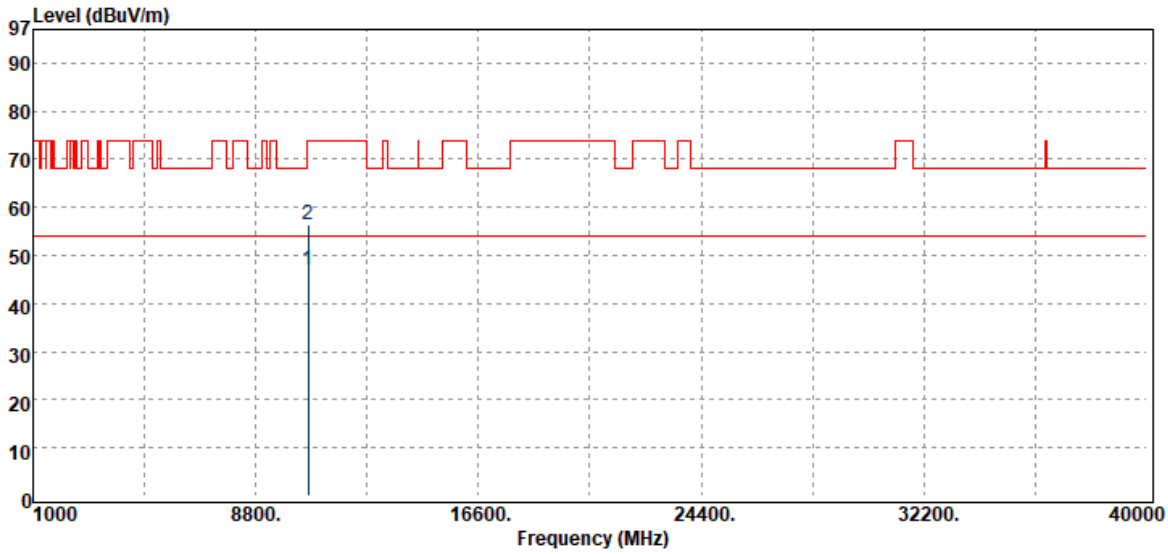
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5320 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10640.00	Average	20.53	26.51	47.04	54.00	-6.96
10640.00	Peak	29.95	26.51	56.46	74.00	-17.54

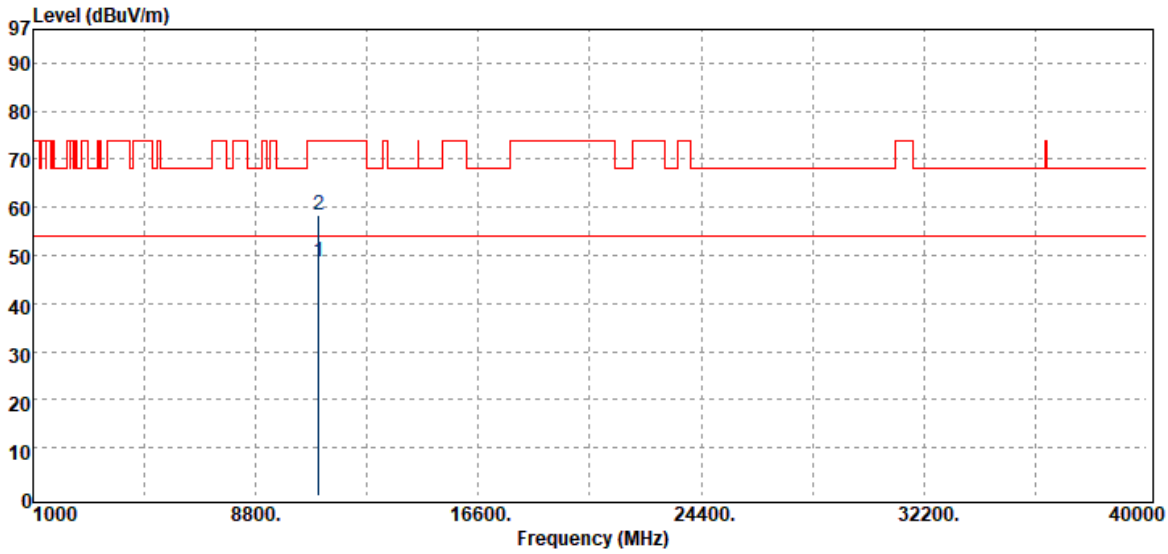
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5500 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11000.00	Average	21.34	27.32	48.66	54.00	-5.34
11000.00	Peak	31.04	27.32	58.36	74.00	-15.64

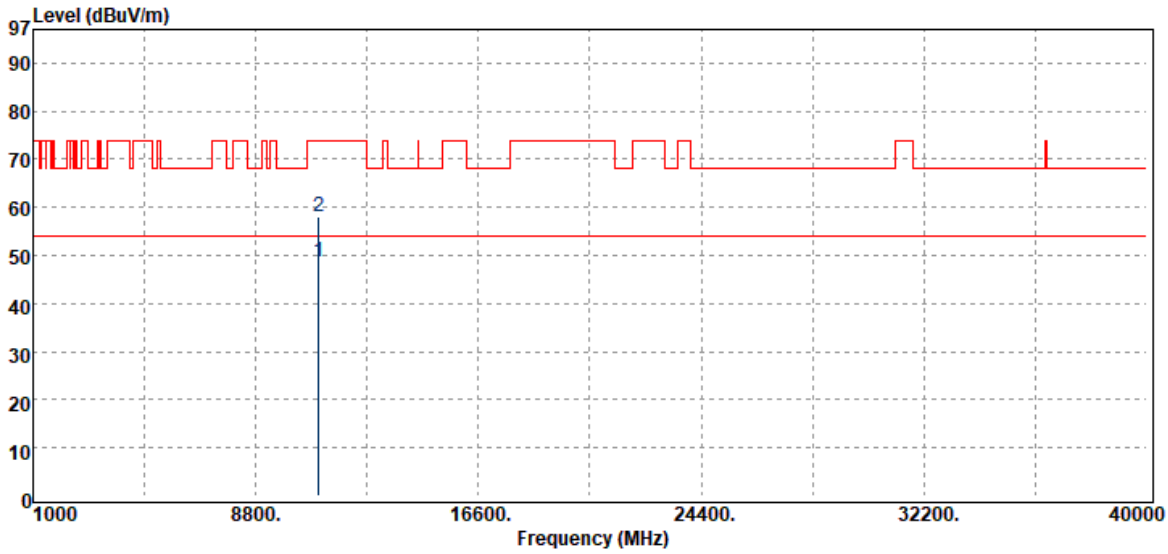
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5500 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11000.00	Average	21.32	27.32	48.64	54.00	-5.36
11000.00	Peak	30.62	27.32	57.94	74.00	-16.06

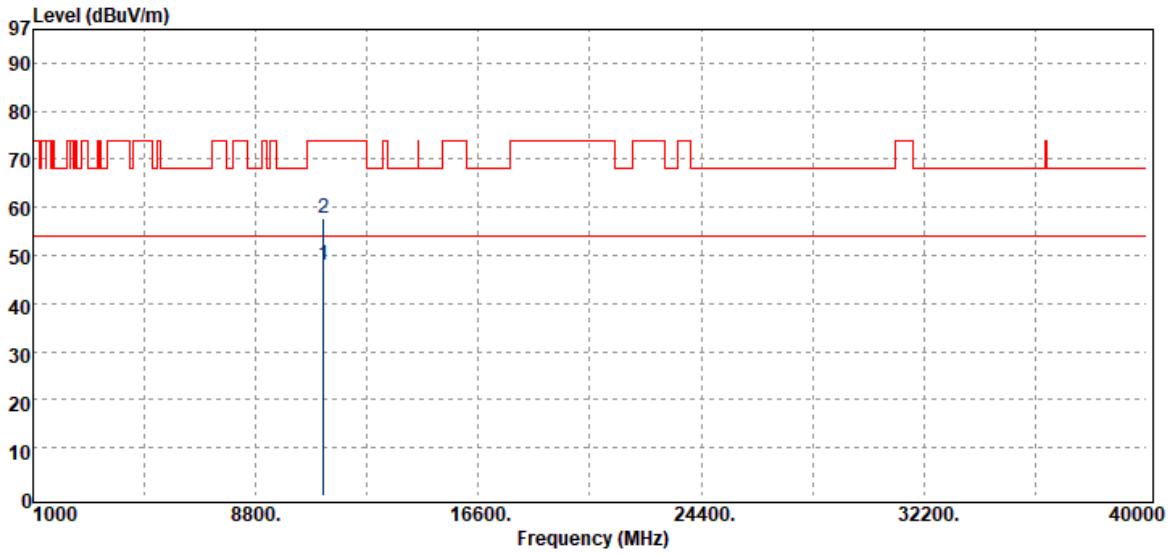
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5580 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11160.00	Average	21.12	26.98	48.10	54.00	-5.90
11160.00	Peak	30.87	26.98	57.85	74.00	-16.15

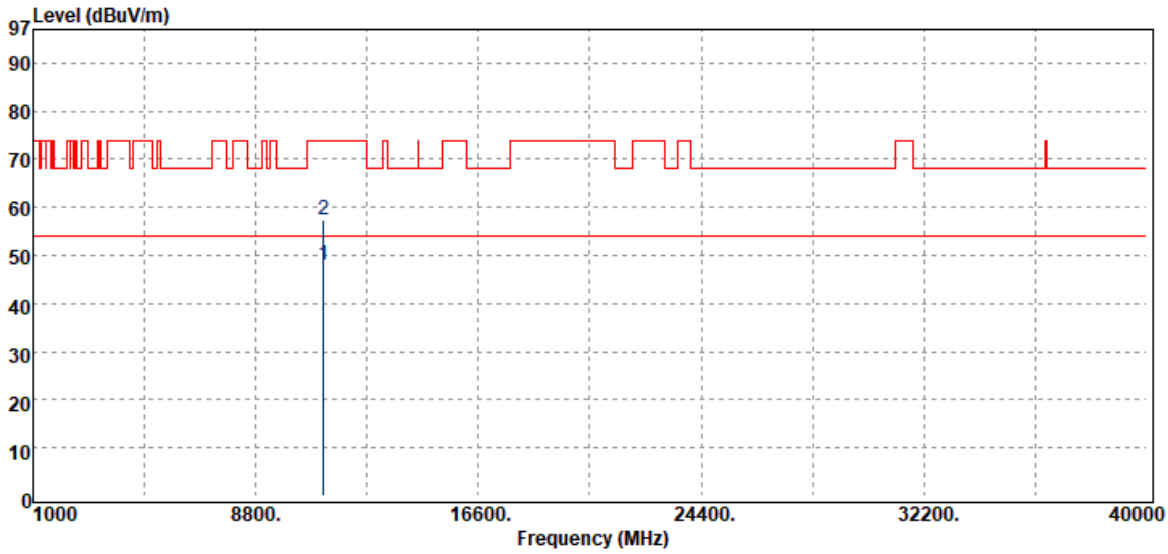
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5580 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11160.00	Average	21.03	26.98	48.01	54.00	-5.99
11160.00	Peak	30.40	26.98	57.38	74.00	-16.62

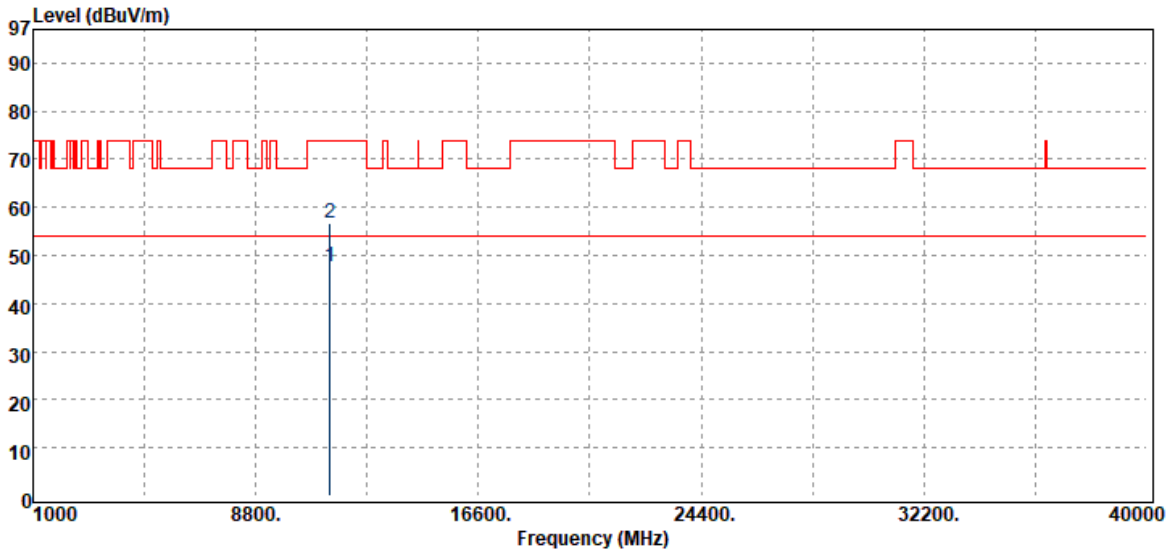
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5700 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11400.00	Average	20.28	27.54	47.82	54.00	-6.18
11400.00	Peak	29.16	27.54	56.70	74.00	-17.30

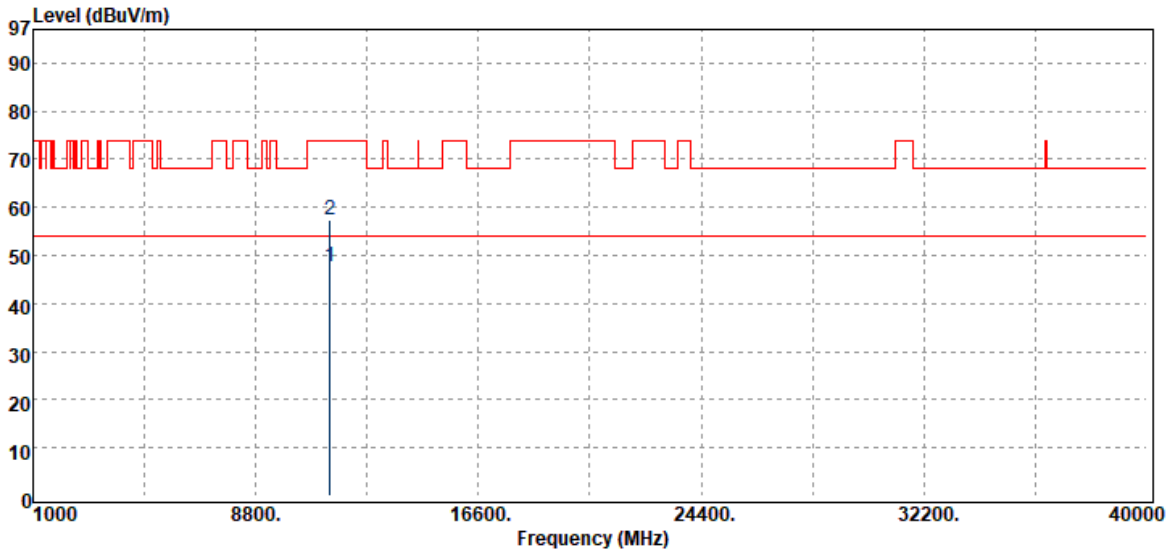
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5700 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11400.00	Average	20.15	27.54	47.69	54.00	-6.31
11400.00	Peak	29.73	27.54	57.27	74.00	-16.73

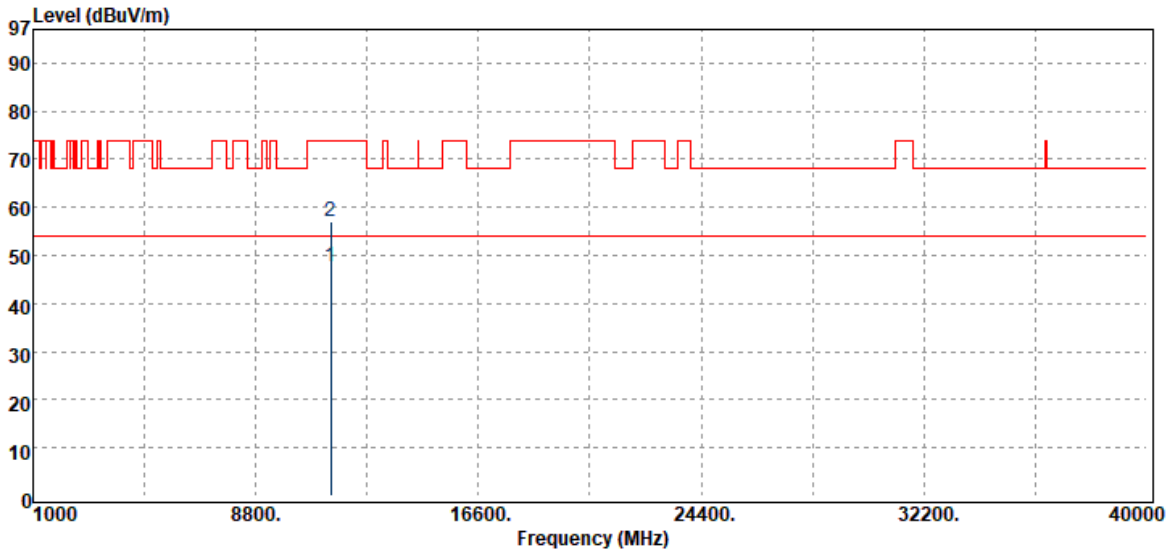
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5720 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11440.00	Average	20.03	27.76	47.79	54.00	-6.21
11440.00	Peak	29.26	27.76	57.02	74.00	-16.98

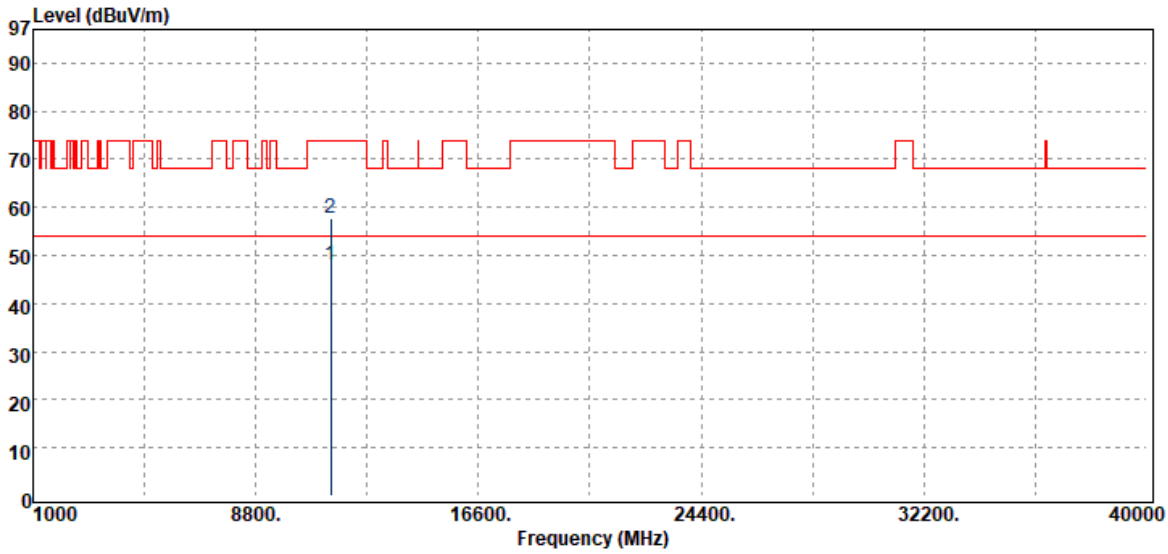
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5720 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11440.00	Average	20.12	27.76	47.88	54.00	-6.12
11440.00	Peak	29.99	27.76	57.75	74.00	-16.25

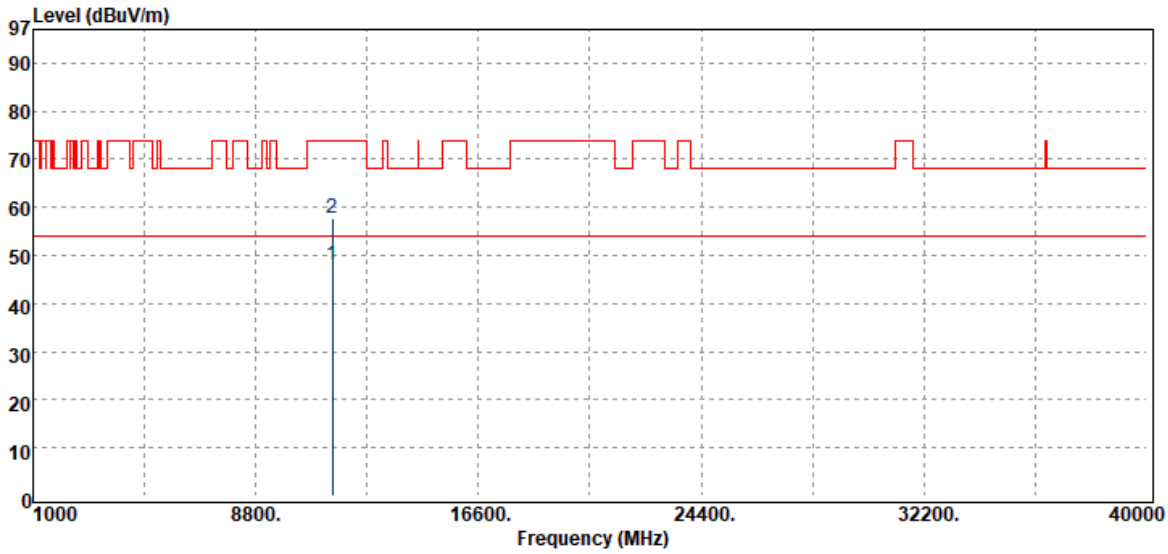
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5745 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11490.00	Average	20.06	28.07	48.13	54.00	-5.87
11490.00	Peak	29.75	28.07	57.82	74.00	-16.18

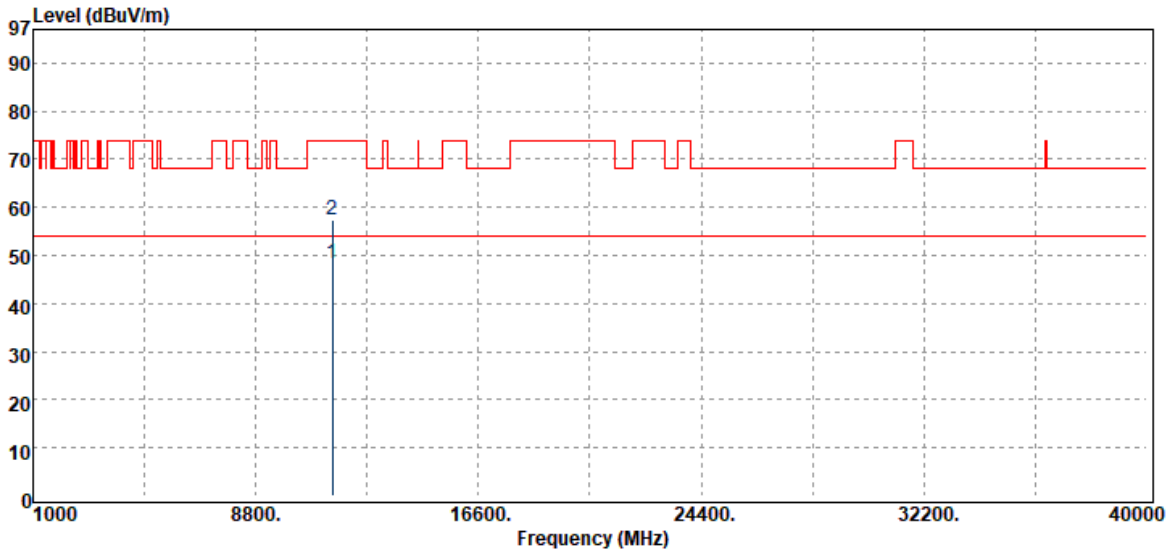
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5745 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11490.00	Average	20.13	28.07	48.20	54.00	-5.80
11490.00	Peak	29.23	28.07	57.30	74.00	-16.70

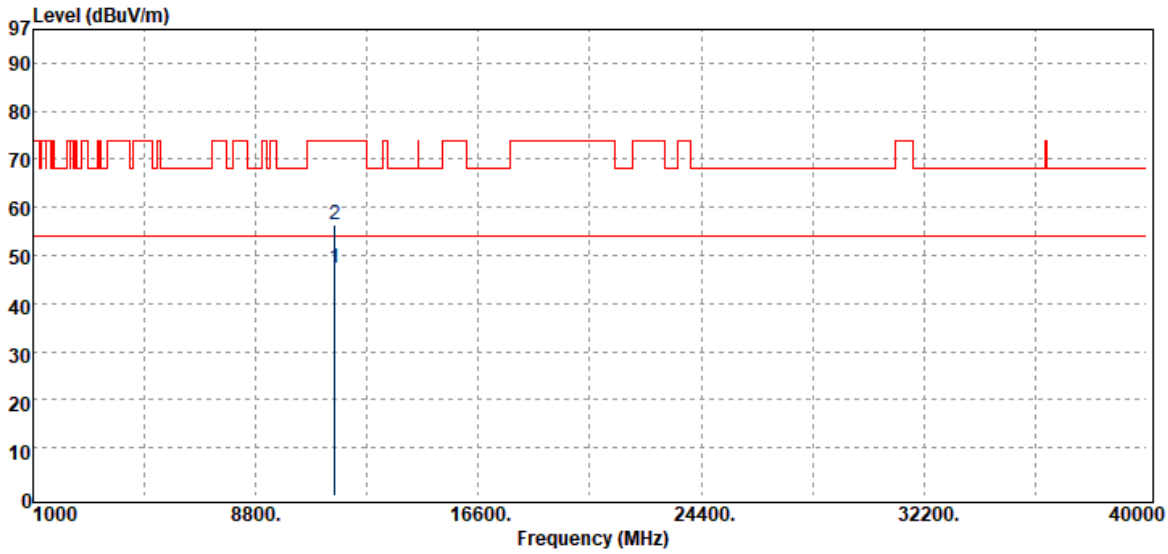
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5785 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11570.00	Average	20.10	27.18	47.28	54.00	-6.72
11570.00	Peak	29.10	27.18	56.28	74.00	-17.72

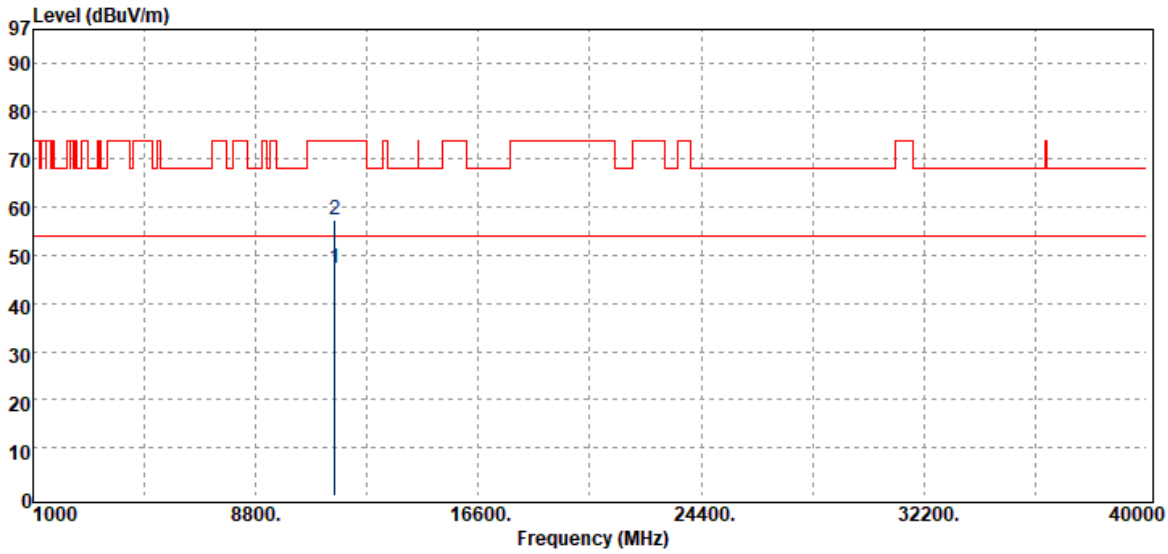
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5785 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11570.00	Average	20.05	27.18	47.23	54.00	-6.77
11570.00	Peak	30.16	27.18	57.34	74.00	-16.66

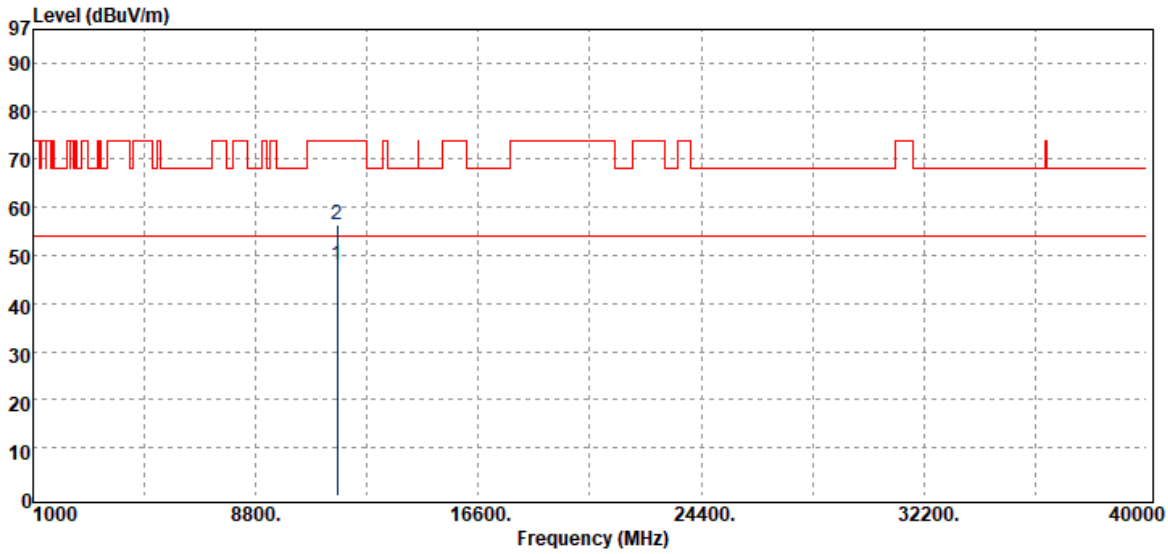
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5825 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11650.00	Average	20.17	27.69	47.86	54.00	-6.14
11650.00	Peak	28.76	27.69	56.45	74.00	-17.55

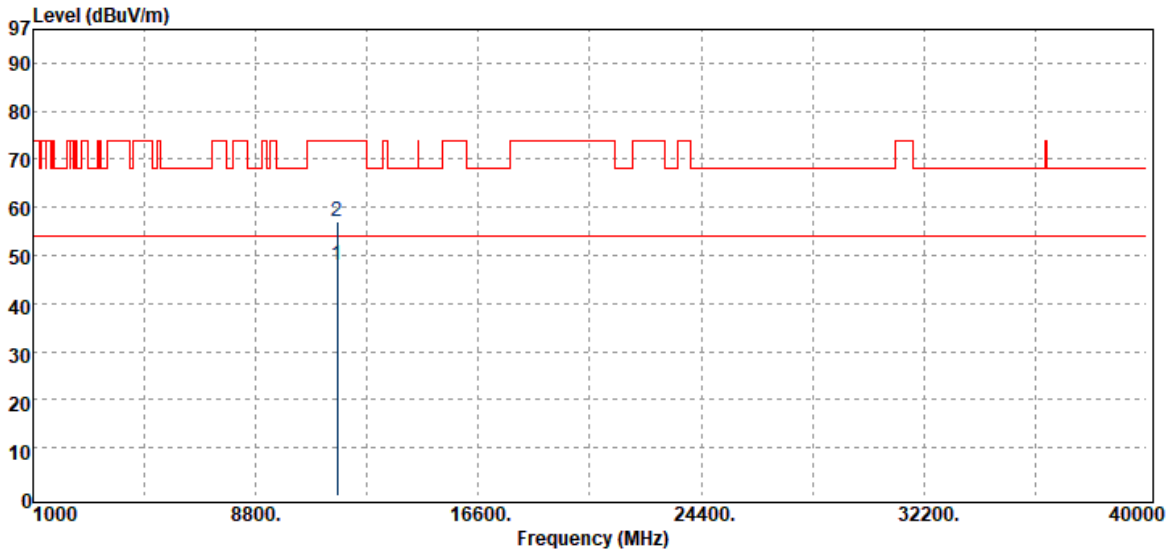
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5825 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11650.00	Average	20.22	27.69	47.91	54.00	-6.09
11650.00	Peak	29.43	27.69	57.12	74.00	-16.88

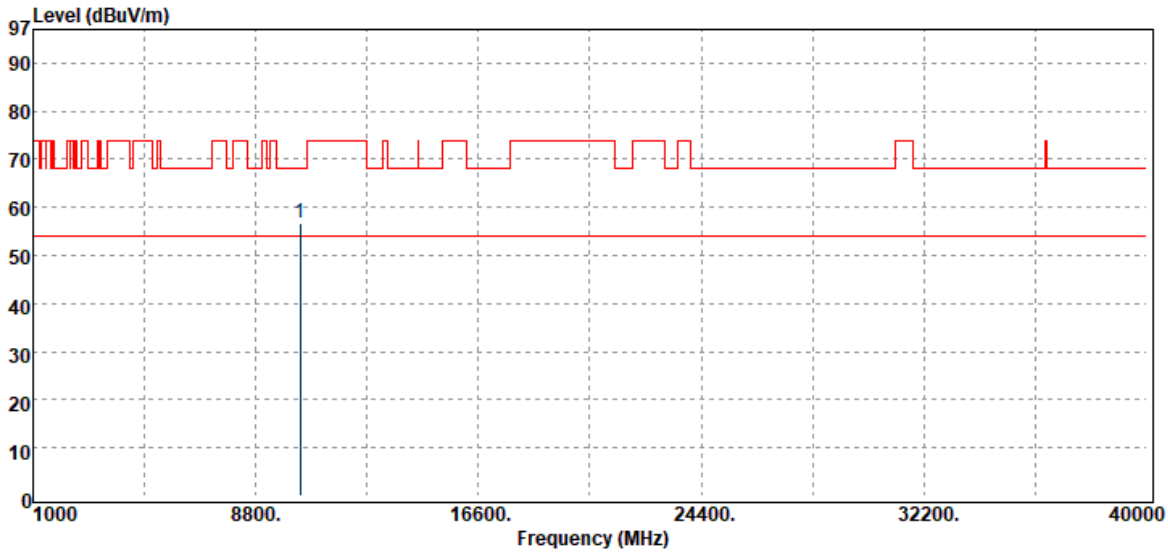
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5180 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10360.00	Peak	30.22	26.38	56.60	68.20	-11.60

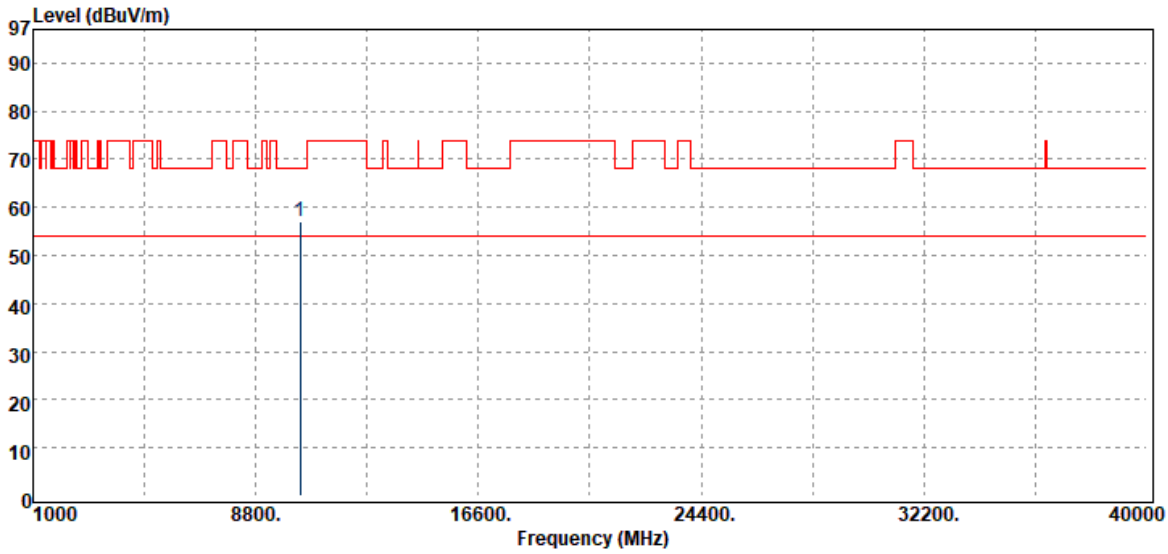
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5180 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10360.00	Peak	30.56	26.38	56.94	68.20	-11.26

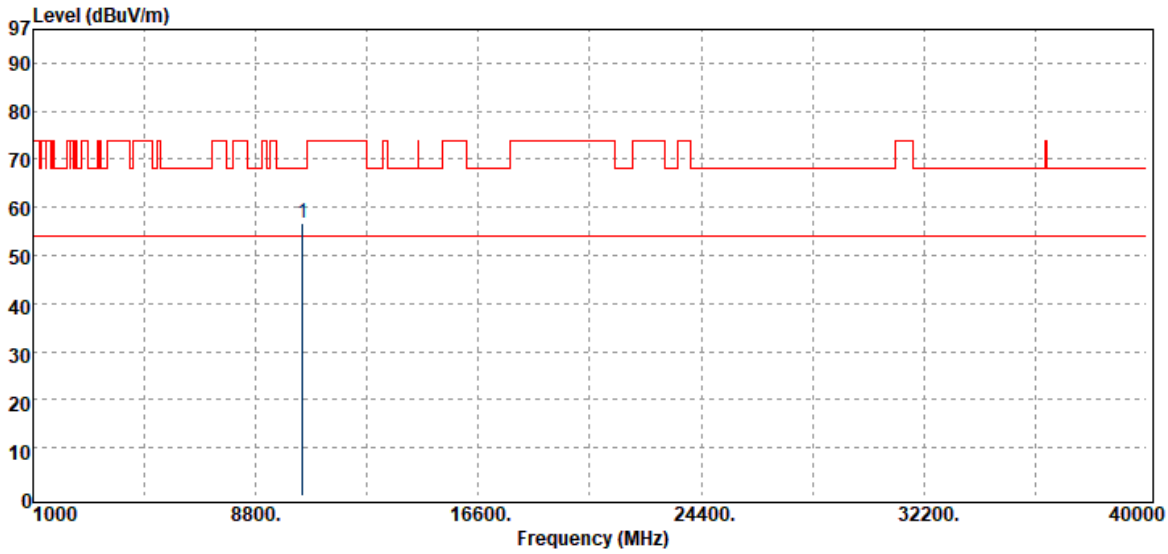
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5220 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10440.00	Peak	29.93	26.76	56.69	68.20	-11.51

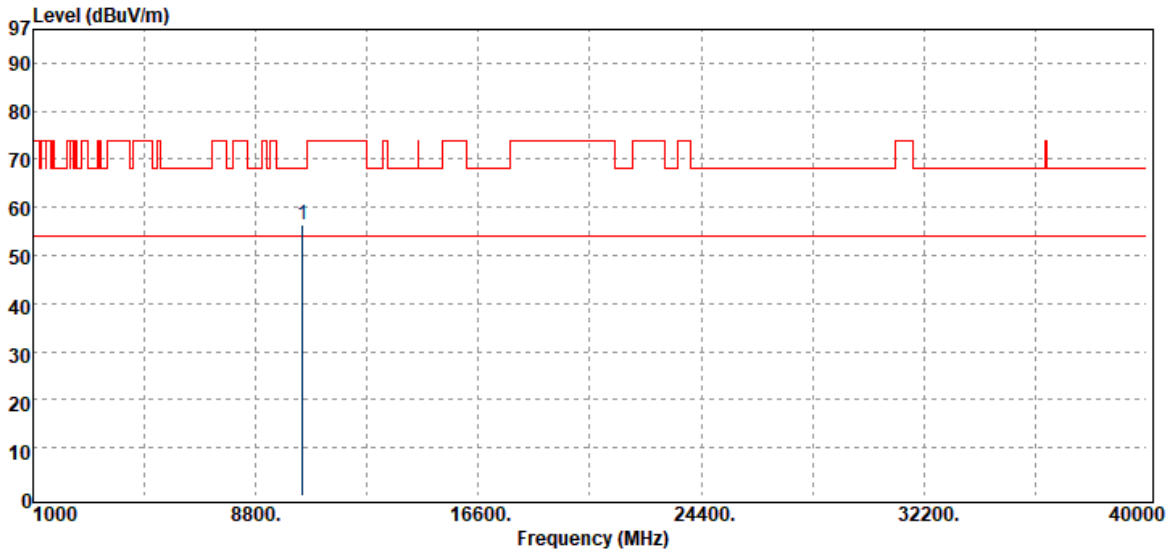
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5220 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10440.00	Peak	29.77	26.76	56.53	68.20	-11.67

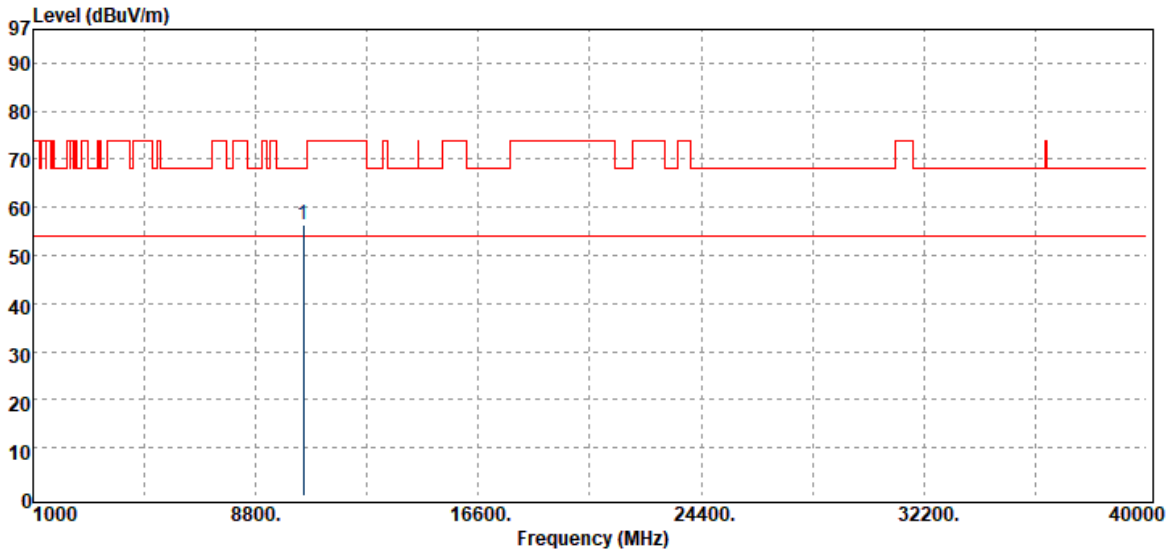
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5240 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10480.00	Peak	30.09	26.40	56.49	68.20	-11.71

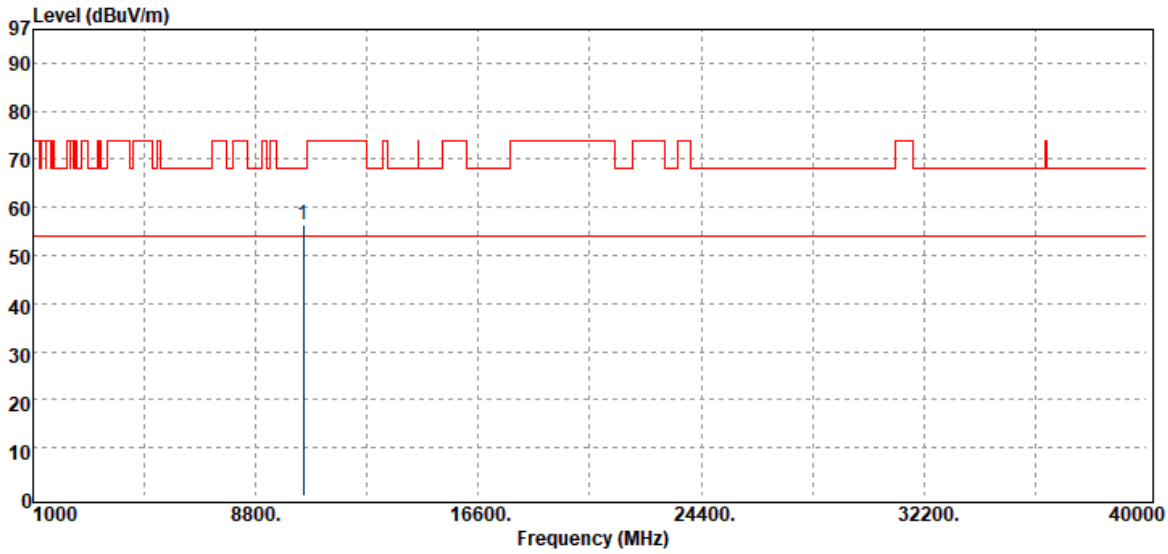
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5240 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10480.00	Peak	30.00	26.40	56.40	68.20	-11.80

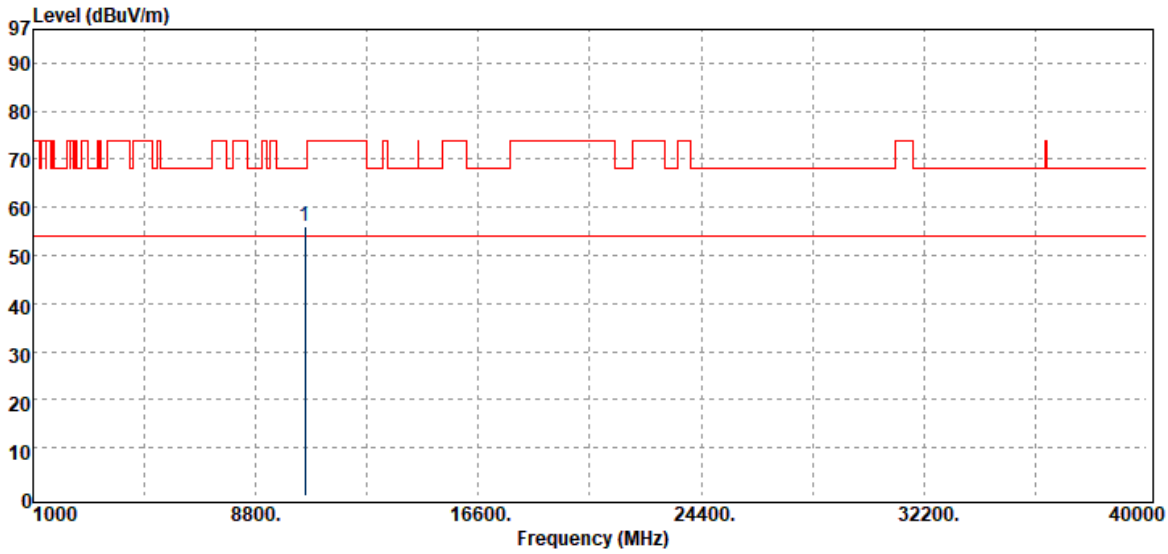
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5260 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10520.00	Peak	29.72	26.32	56.04	68.20	-12.16

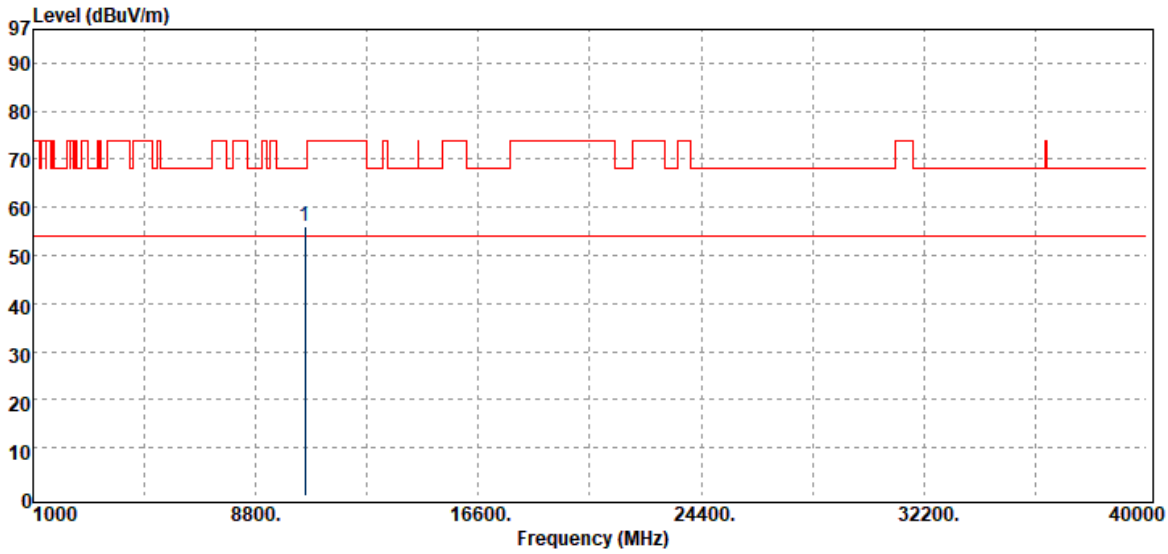
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5260 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10520.00	Peak	29.79	26.32	56.11	68.20	-12.09

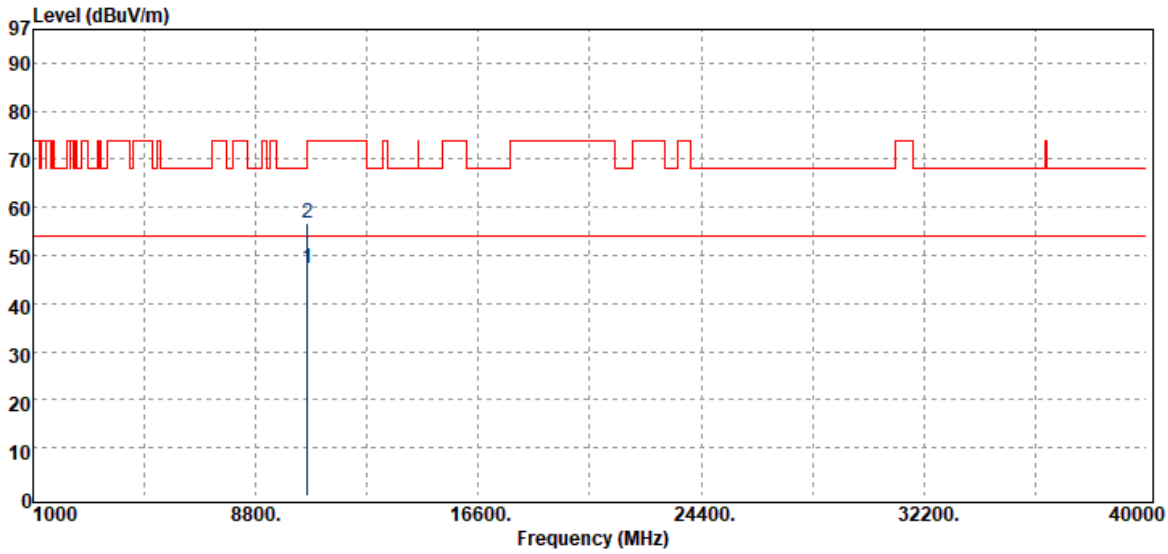
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5300 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10600.00	Average	20.39	26.78	47.17	54.00	-6.83
10600.00	Peak	29.84	26.78	56.62	74.00	-17.38

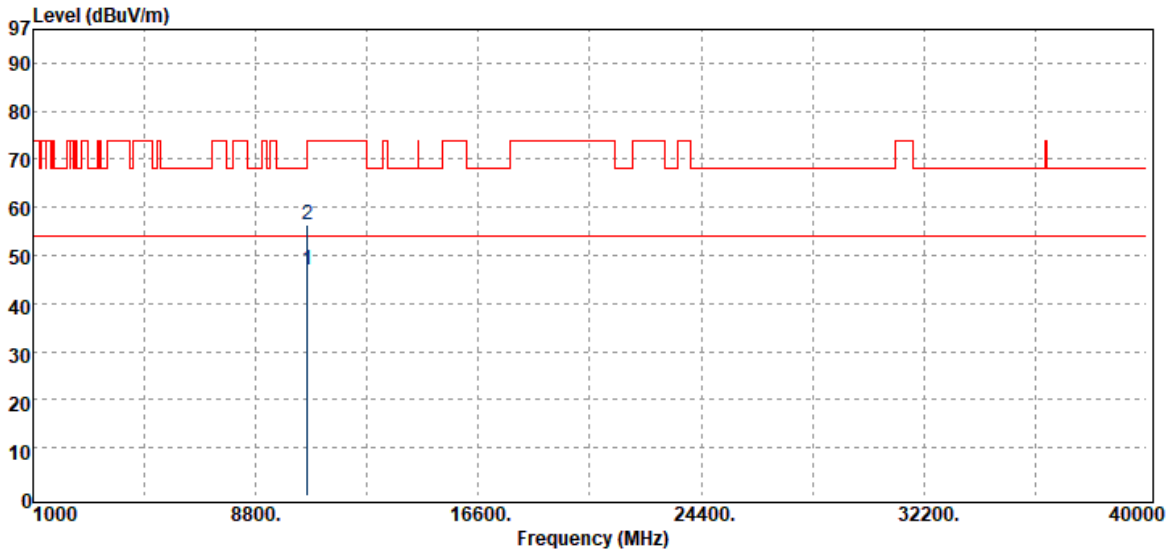
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5300 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10600.00	Average	20.31	26.78	47.09	54.00	-6.91
10600.00	Peak	29.57	26.78	56.35	74.00	-17.65

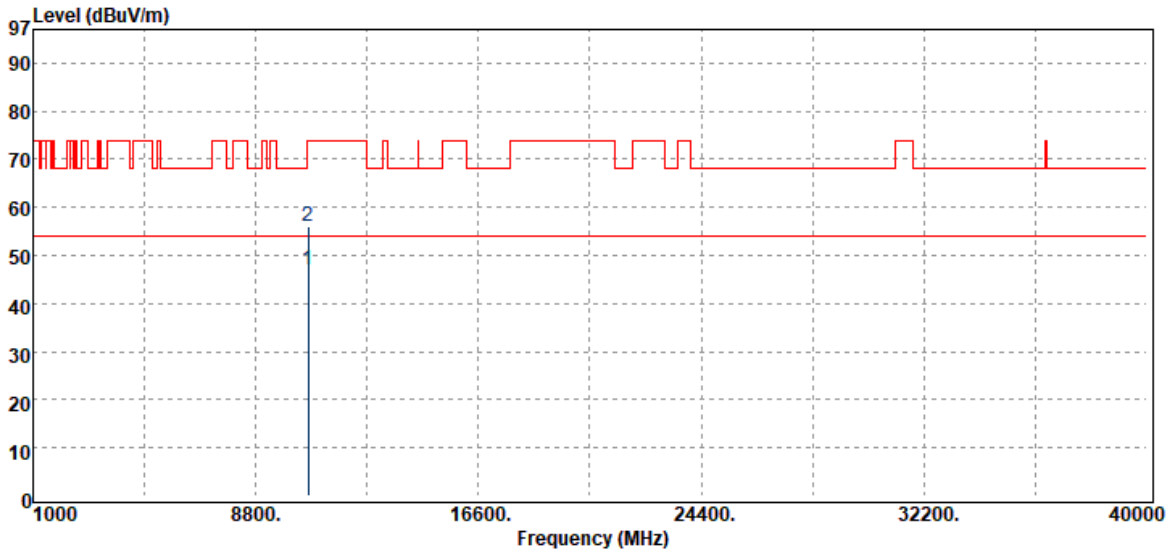
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5320 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10640.00	Average	20.45	26.51	46.96	54.00	-7.04
10640.00	Peak	29.40	26.51	55.91	74.00	-18.09

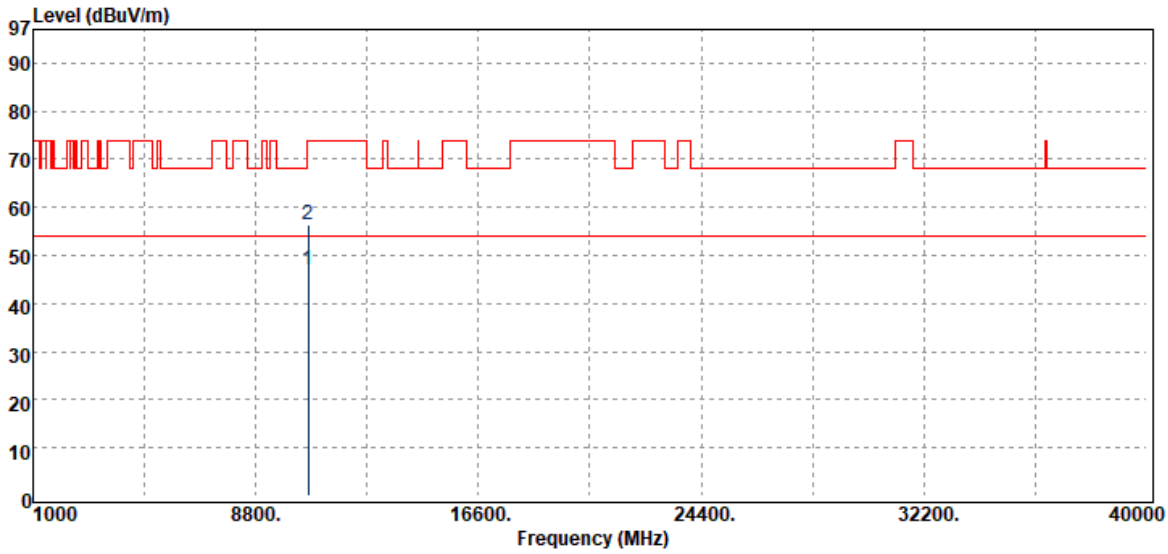
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5320 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10640.00	Average	20.42	26.51	46.93	54.00	-7.07
10640.00	Peak	29.73	26.51	56.24	74.00	-17.76

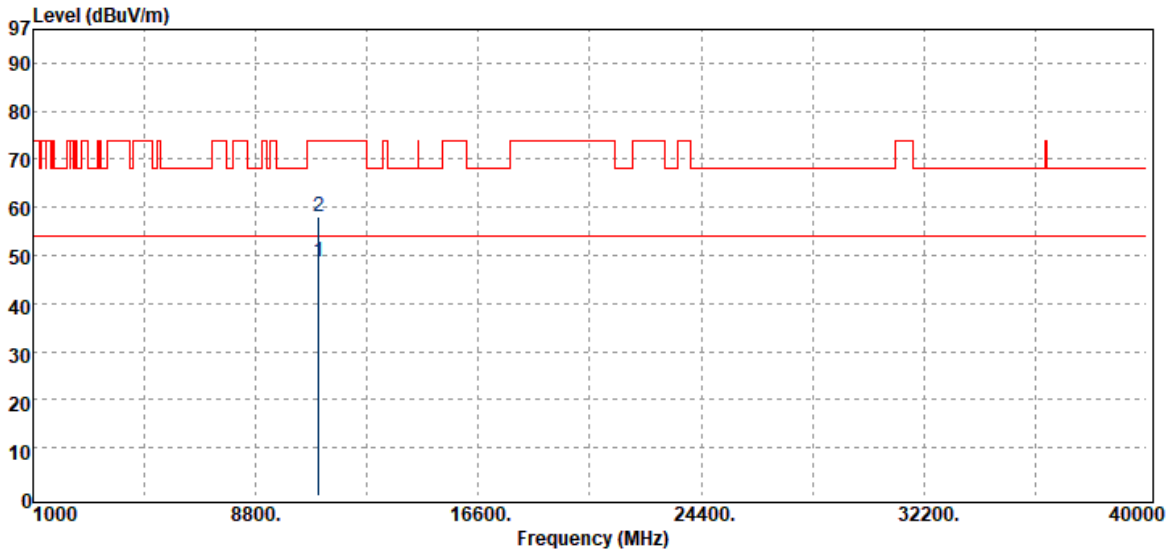
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5500 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11000.00	Average	21.39	27.32	48.71	54.00	-5.29
11000.00	Peak	30.86	27.32	58.18	74.00	-15.82

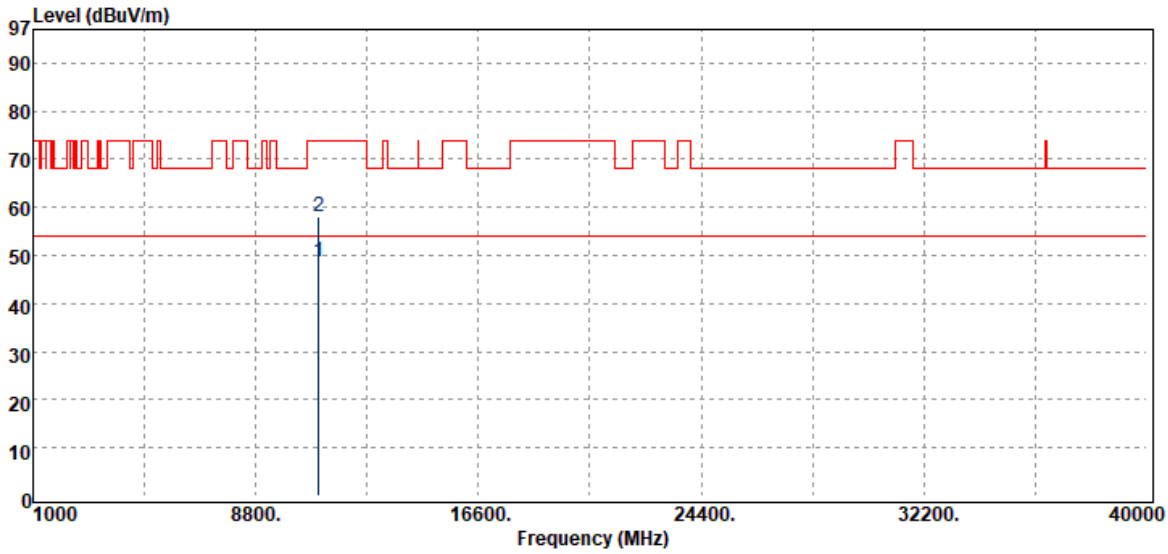
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5500 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11000.00	Average	21.44	27.32	48.76	54.00	-5.24
11000.00	Peak	30.64	27.32	57.96	74.00	-16.04

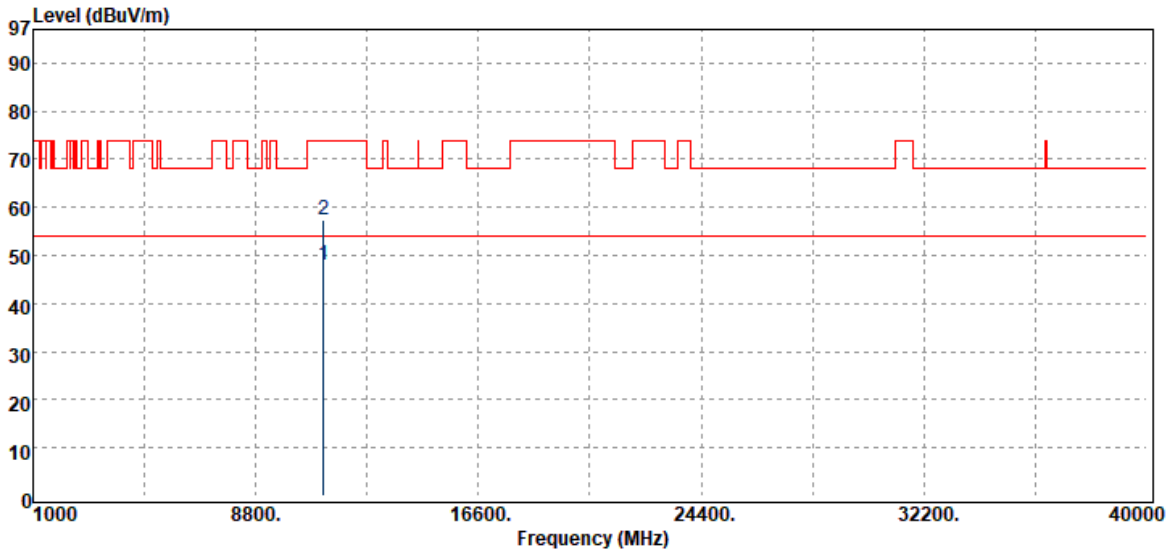
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5580 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11160.00	Average	20.91	26.98	47.89	54.00	-6.11
11160.00	Peak	30.47	26.98	57.45	74.00	-16.55

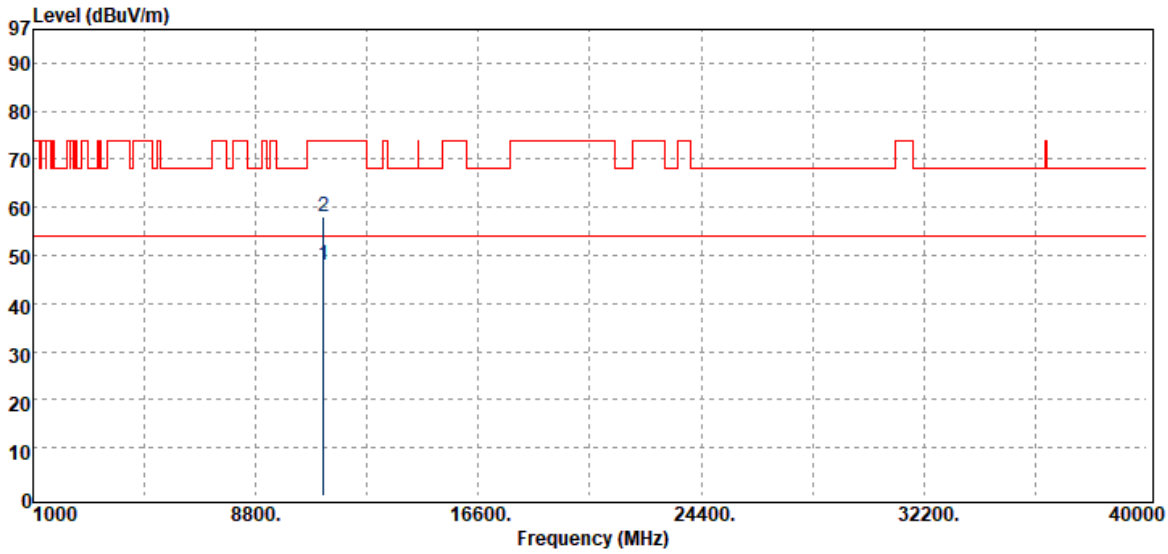
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5580 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11160.00	Average	20.97	26.98	47.95	54.00	-6.05
11160.00	Peak	31.06	26.98	58.04	74.00	-15.96

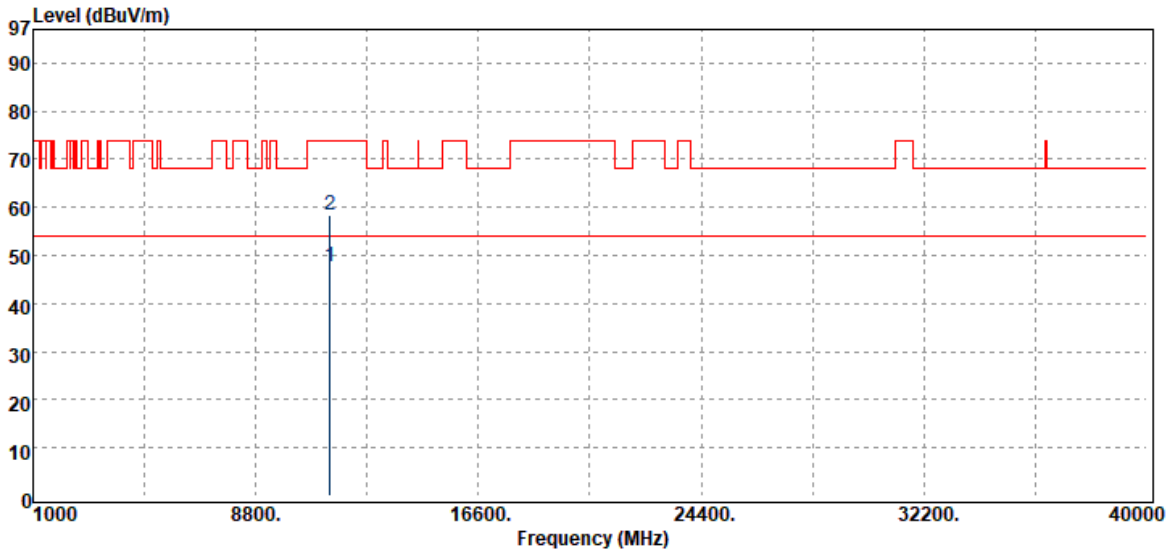
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5700 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11400.00	Average	20.11	27.54	47.65	54.00	-6.35
11400.00	Peak	30.72	27.54	58.26	74.00	-15.74

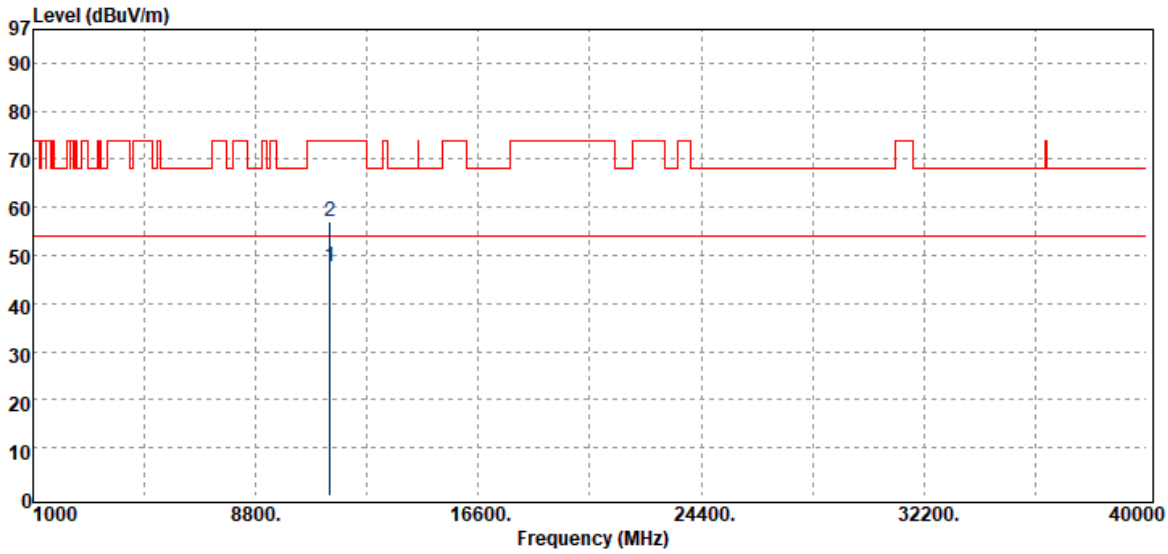
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5700 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11400.00	Average	20.28	27.54	47.82	54.00	-6.18
11400.00	Peak	29.46	27.54	57.00	74.00	-17.00

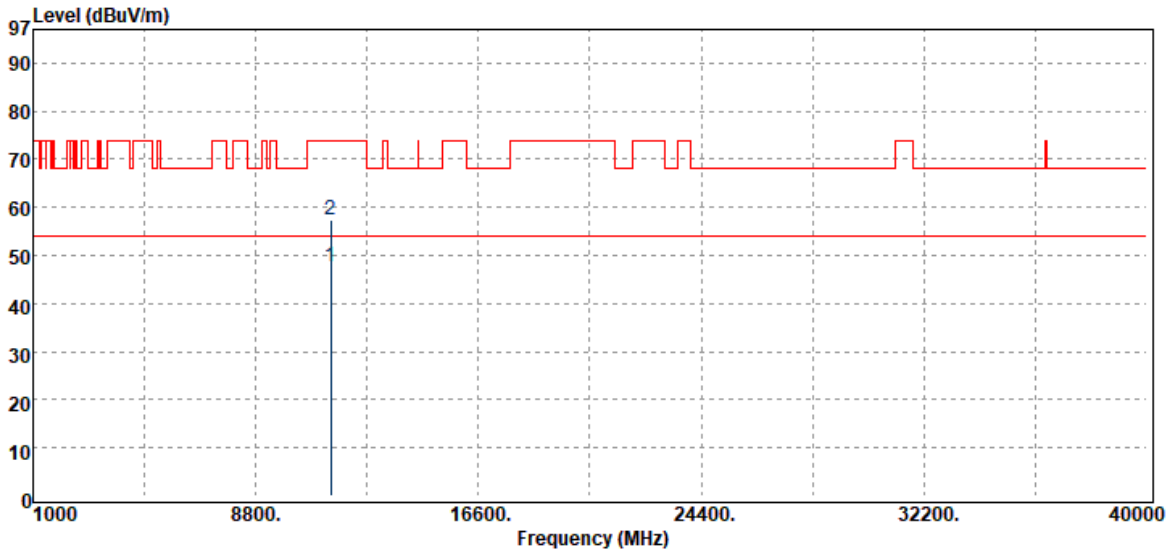
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5720 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11440.00	Average	19.91	27.76	47.67	54.00	-6.33
11440.00	Peak	29.59	27.76	57.35	74.00	-16.65

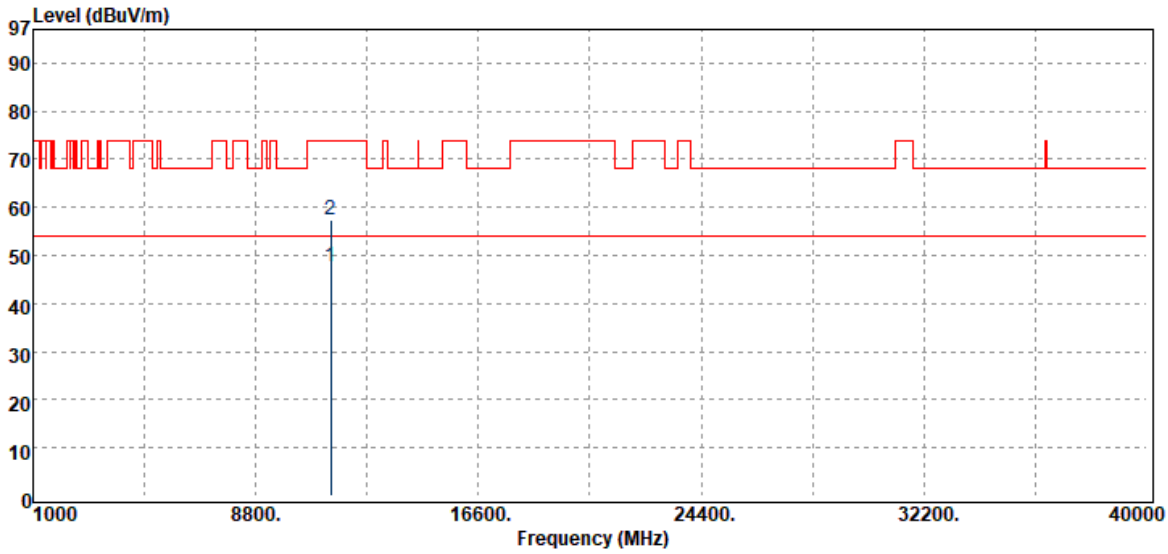
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5720 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11440.00	Average	19.92	27.76	47.68	54.00	-6.32
11440.00	Peak	29.54	27.76	57.30	74.00	-16.70

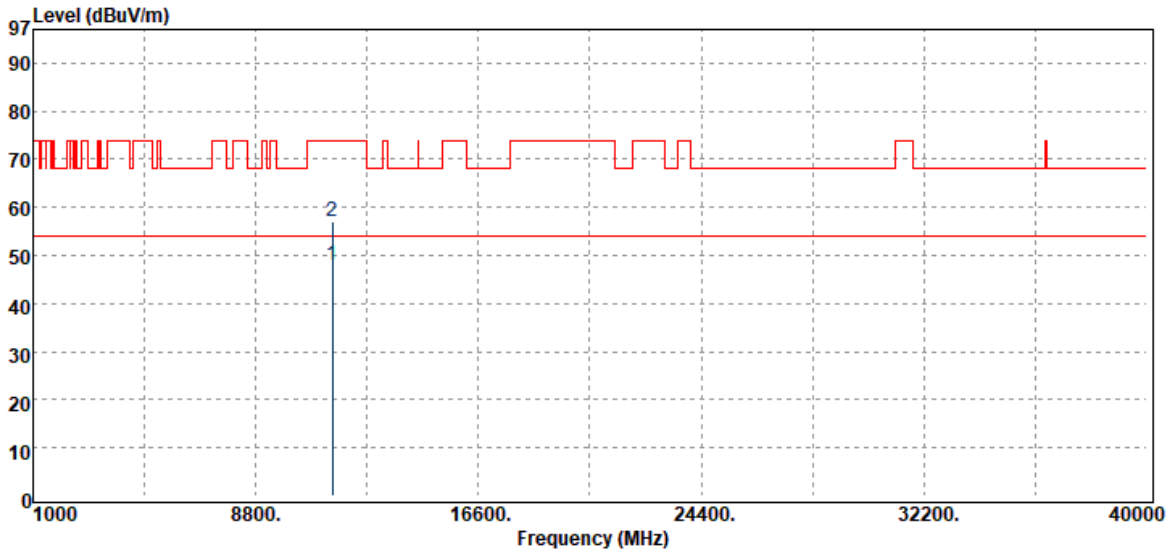
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5745 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11490.00	Average	19.93	28.07	48.00	54.00	-6.00
11490.00	Peak	29.14	28.07	57.21	74.00	-16.79

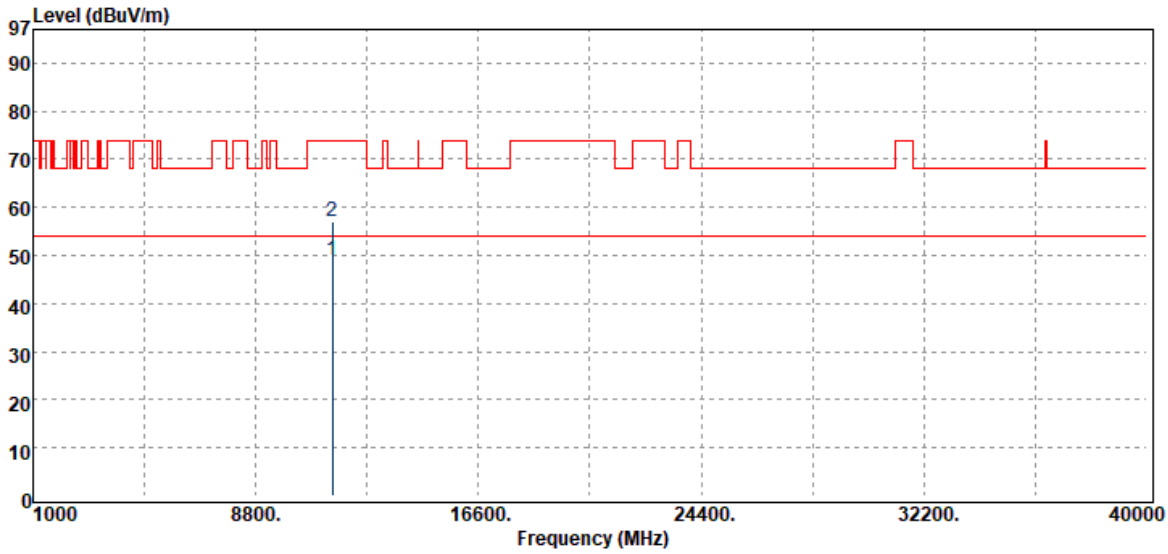
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5745 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11490.00	Average	21.00	28.07	49.07	54.00	-4.93
11490.00	Peak	28.96	28.07	57.03	74.00	-16.97

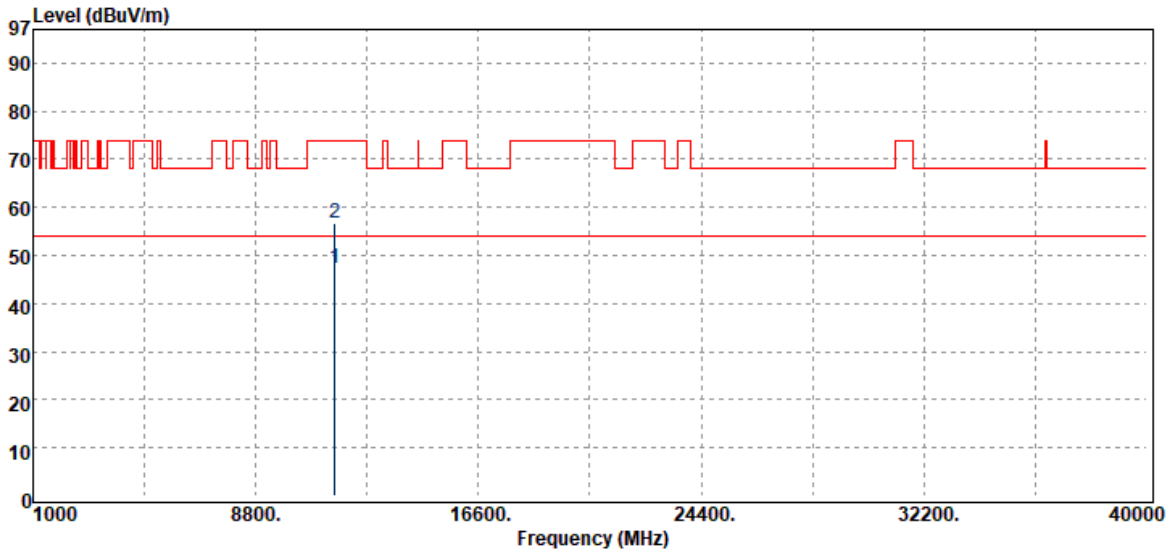
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5785 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11570.00	Average	20.01	27.18	47.19	54.00	-6.81
11570.00	Peak	29.59	27.18	56.77	74.00	-17.23

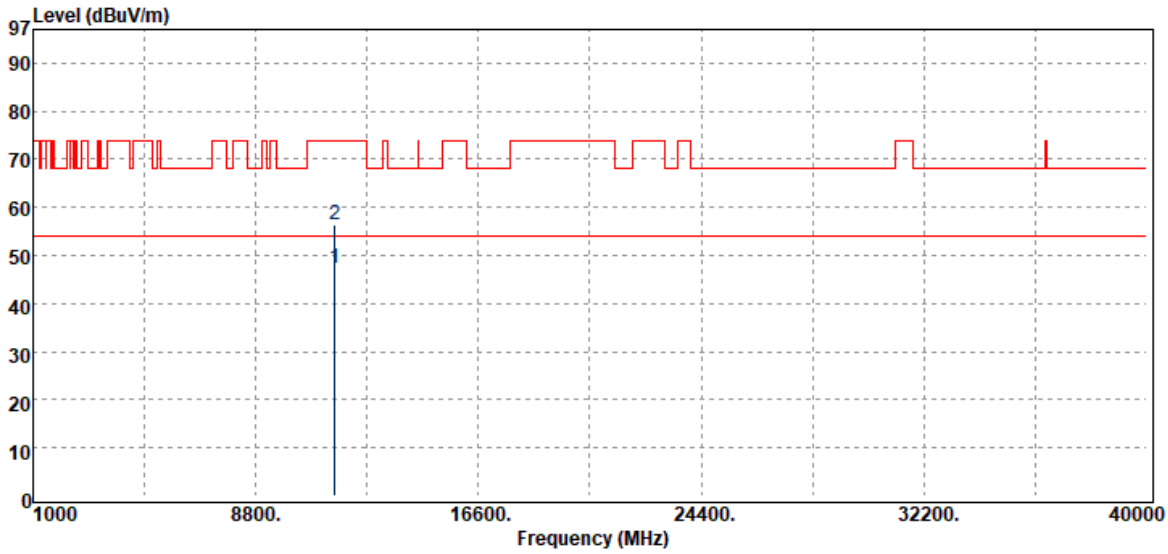
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5785 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11570.00	Average	19.99	27.18	47.17	54.00	-6.83
11570.00	Peak	29.11	27.18	56.29	74.00	-17.71

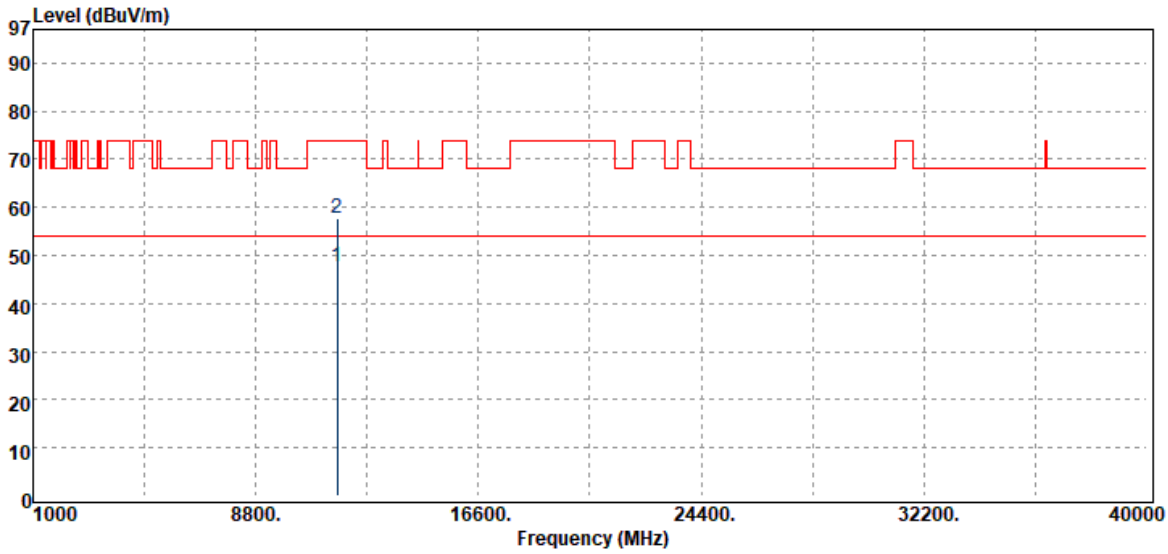
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5825 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11650.00	Average	20.06	27.69	47.75	54.00	-6.25
11650.00	Peak	30.09	27.69	57.78	74.00	-16.22

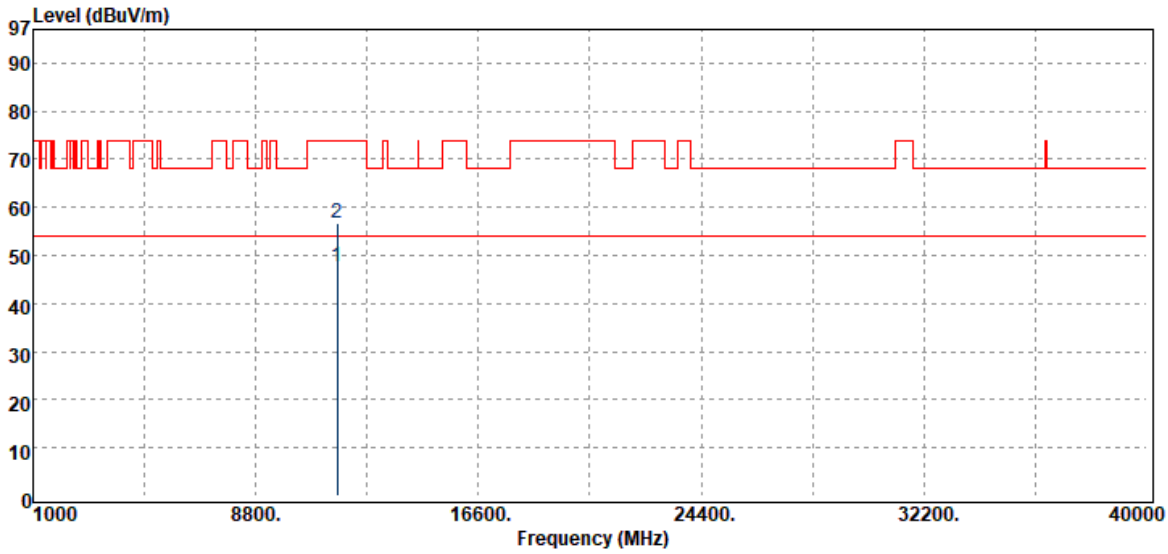
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5825 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11650.00	Average	20.08	27.69	47.77	54.00	-6.23
11650.00	Peak	29.08	27.69	56.77	74.00	-17.23

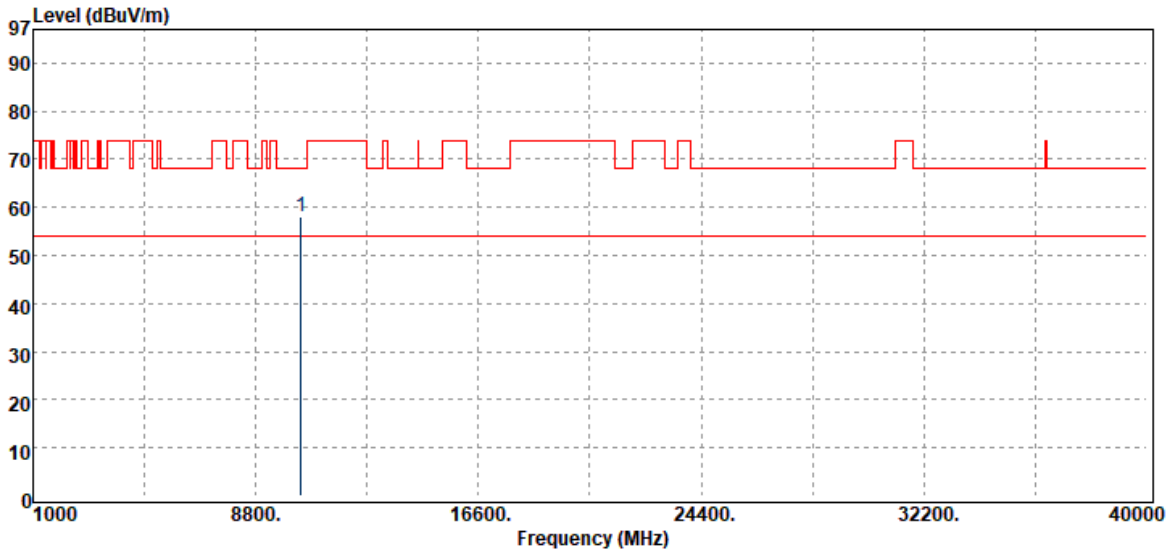
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5190 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10380.00	Peak	31.48	26.61	58.09	68.20	-10.11

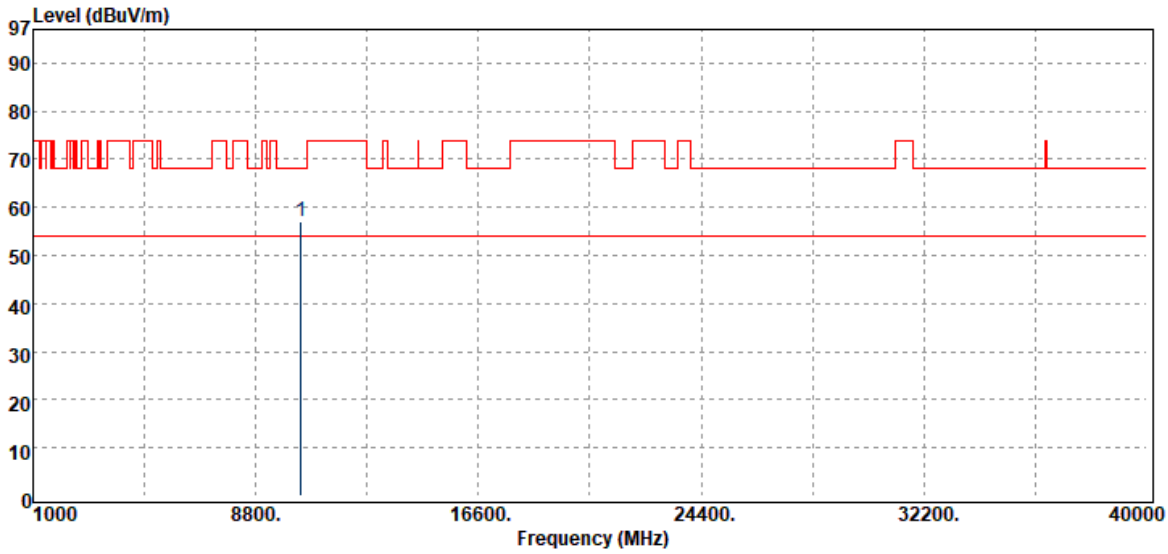
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5190 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10380.00	Peak	30.40	26.61	57.01	68.20	-11.19

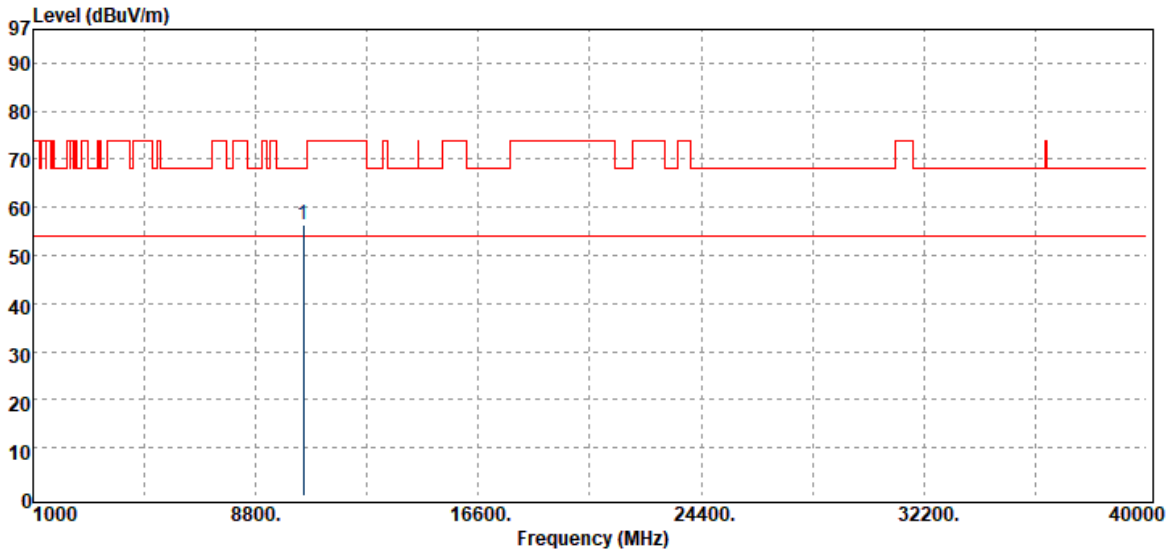
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5230 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10460.00	Peak	29.64	26.63	56.27	68.20	-11.93

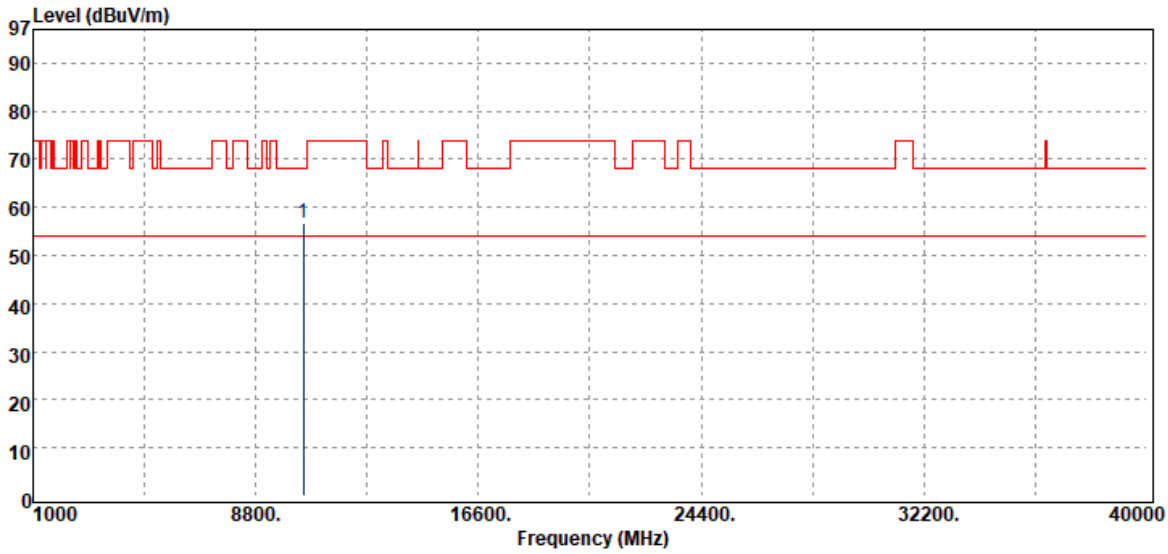
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5230 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10460.00	Peak	30.25	26.63	56.88	68.20	-11.32

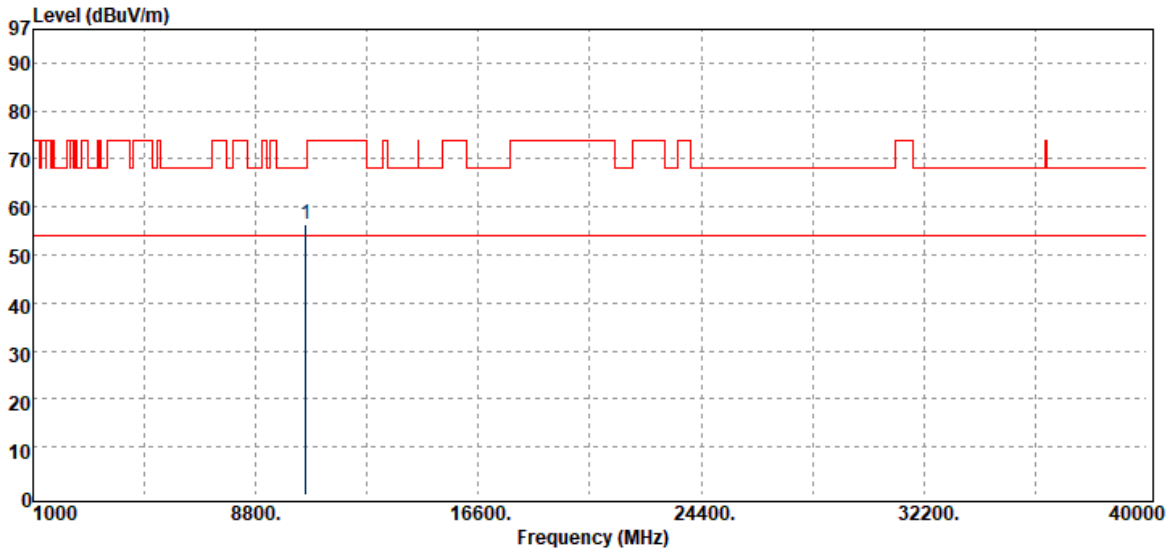
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5270 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10540.00	Peak	29.86	26.47	56.33	68.20	-11.87

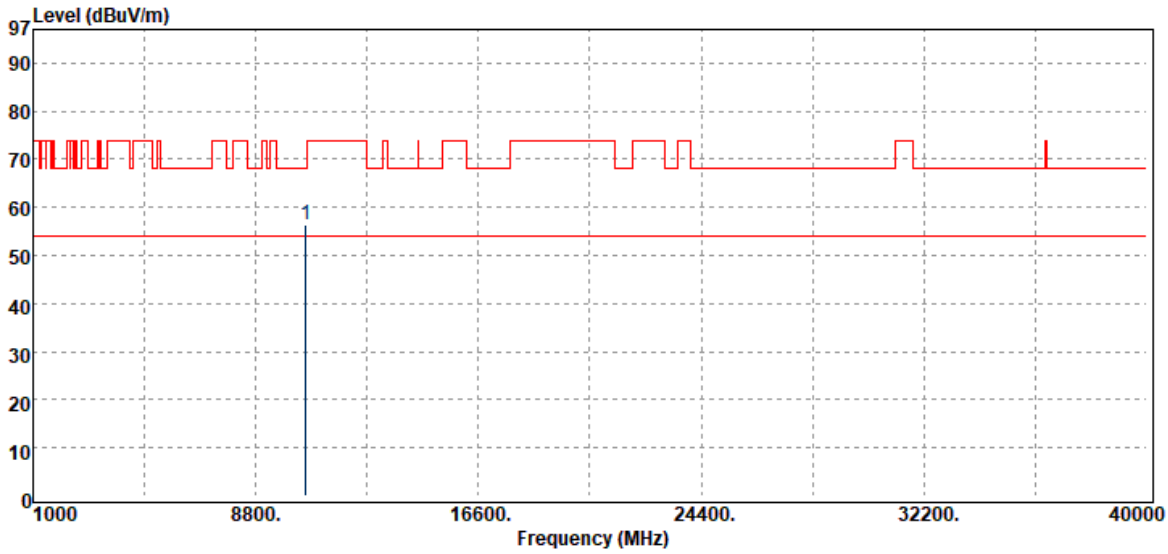
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5270 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10540.00	Peak	29.78	26.47	56.25	68.20	-11.95

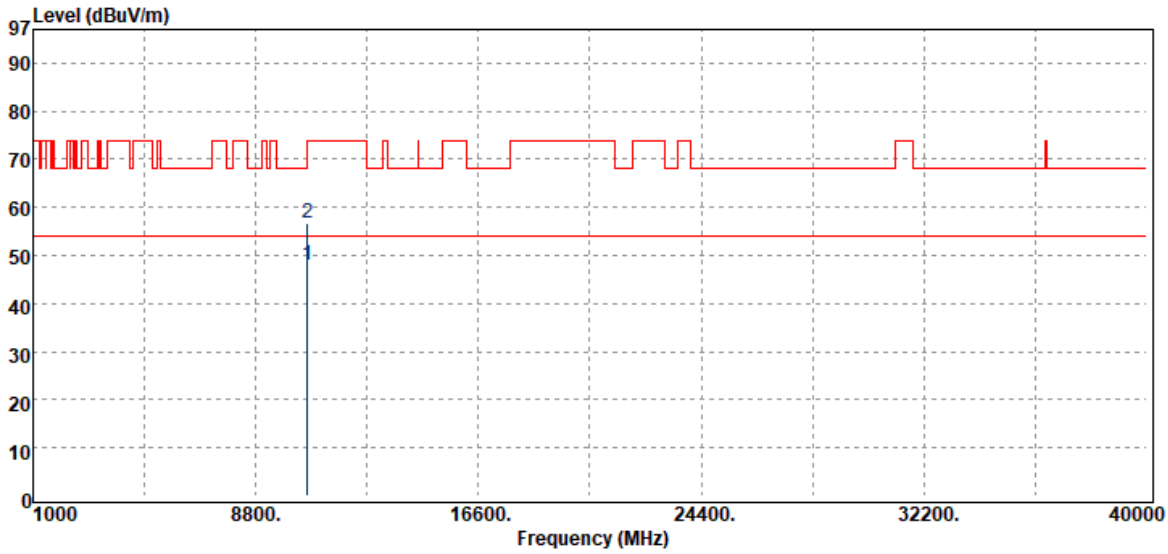
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5310 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10620.00	Average	21.30	26.64	47.94	54.00	-6.06
10620.00	Peak	30.04	26.64	56.68	74.00	-17.32

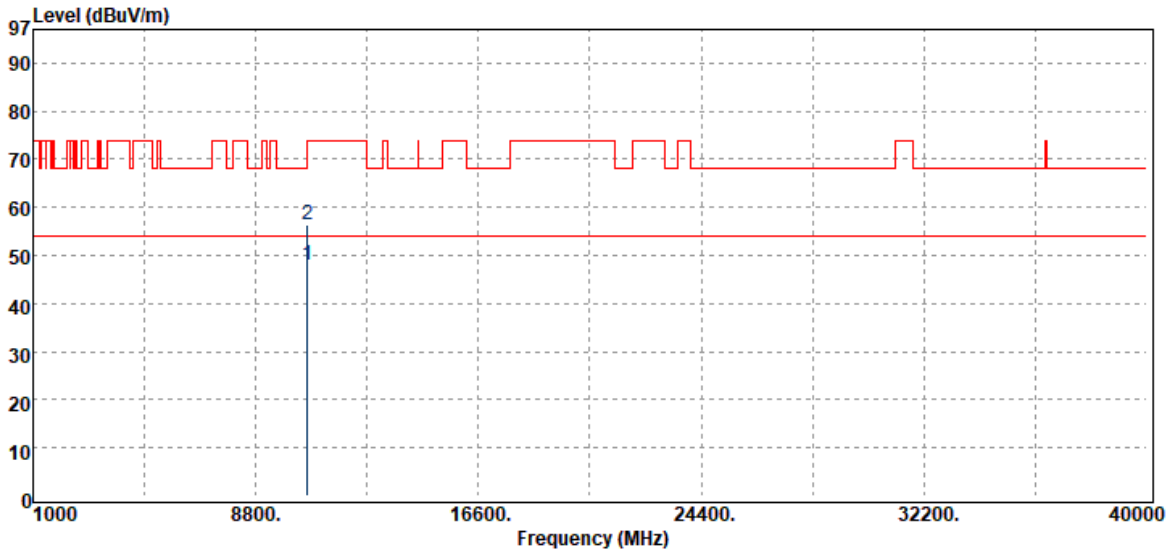
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5310 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10620.00	Average	21.34	26.64	47.98	54.00	-6.02
10620.00	Peak	29.79	26.64	56.43	74.00	-17.57

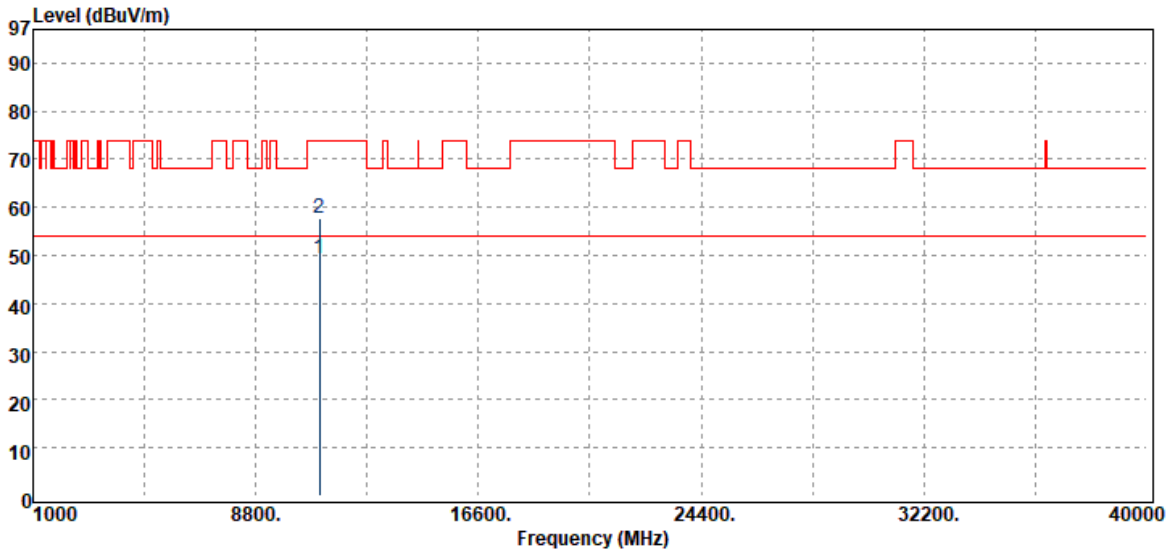
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5510 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11020.00	Average	22.11	27.09	49.20	54.00	-4.80
11020.00	Peak	30.72	27.09	57.81	74.00	-16.19

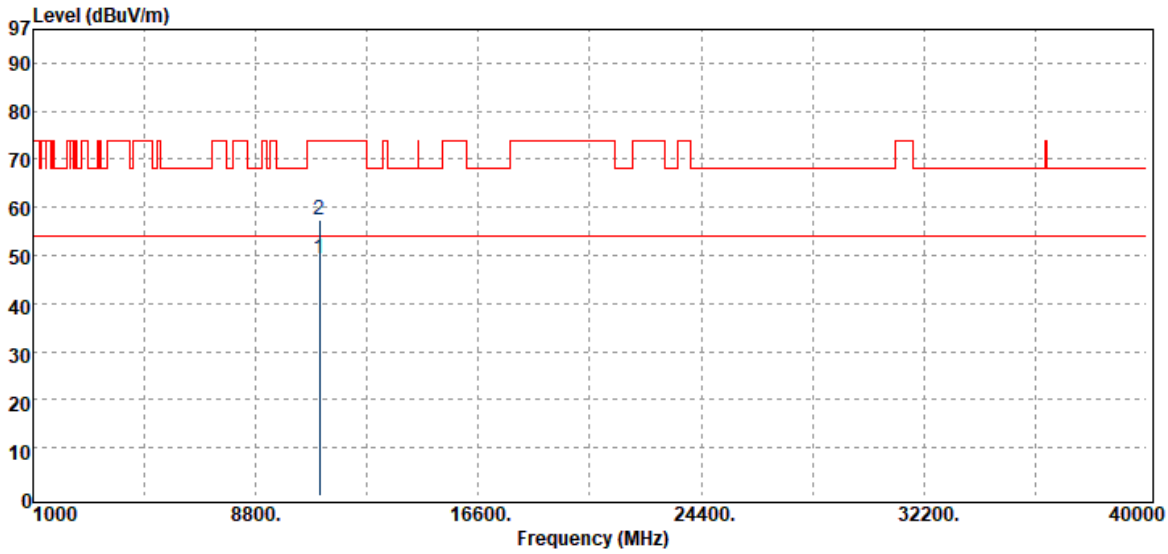
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5510 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11020.00	Average	22.33	27.09	49.42	54.00	-4.58
11020.00	Peak	30.28	27.09	57.37	74.00	-16.63

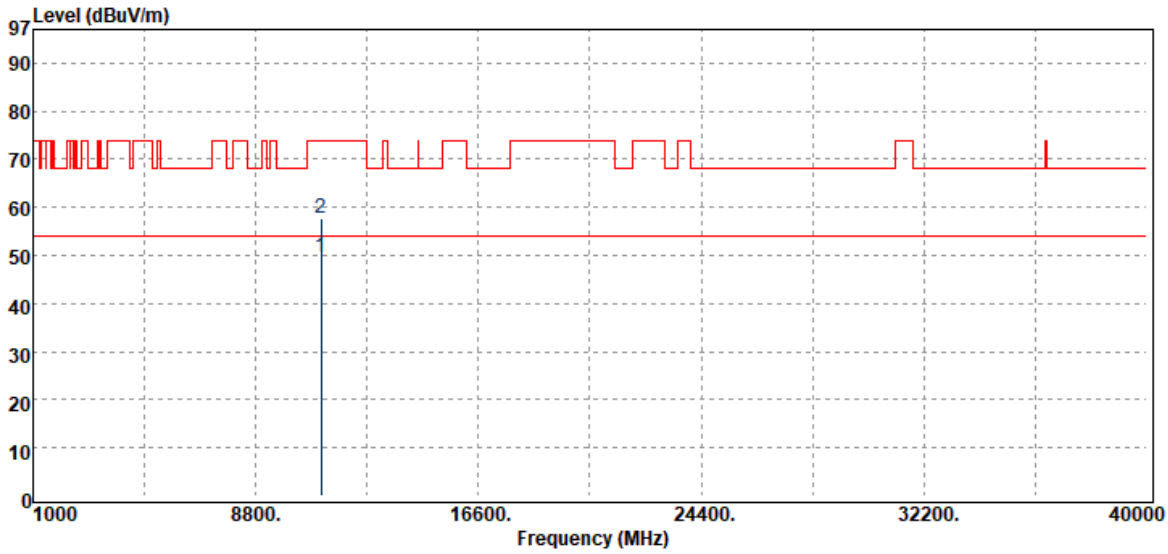
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5550 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11100.00	Average	22.47	27.23	49.70	54.00	-4.30
11100.00	Peak	30.40	27.23	57.63	74.00	-16.37

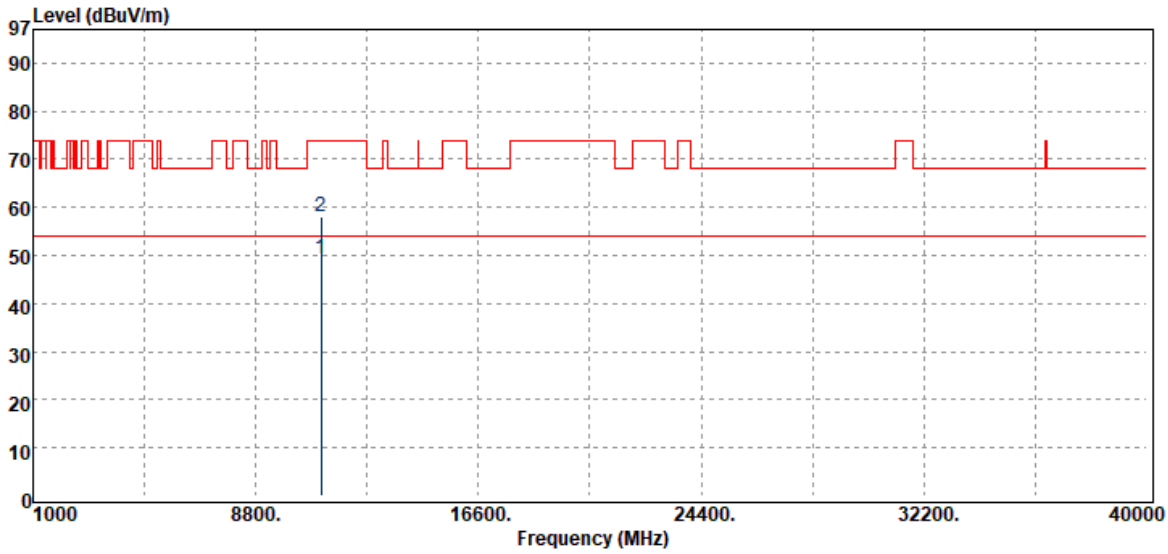
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5550 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11100.00	Average	22.16	27.23	49.39	54.00	-4.61
11100.00	Peak	30.83	27.23	58.06	74.00	-15.94

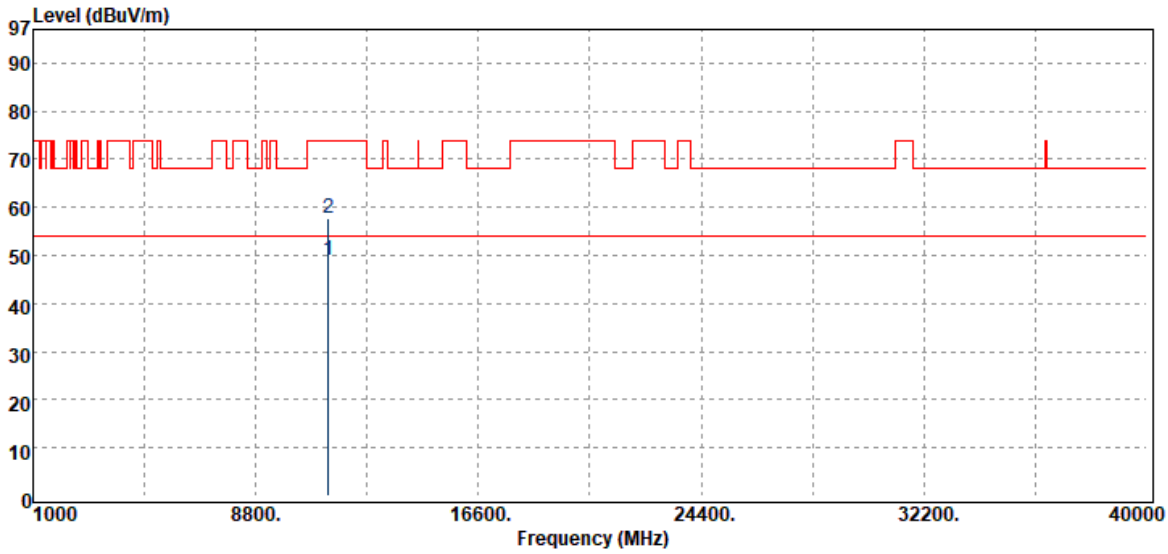
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5670 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11340.00	Average	21.17	27.77	48.94	54.00	-5.06
11340.00	Peak	29.97	27.77	57.74	74.00	-16.26

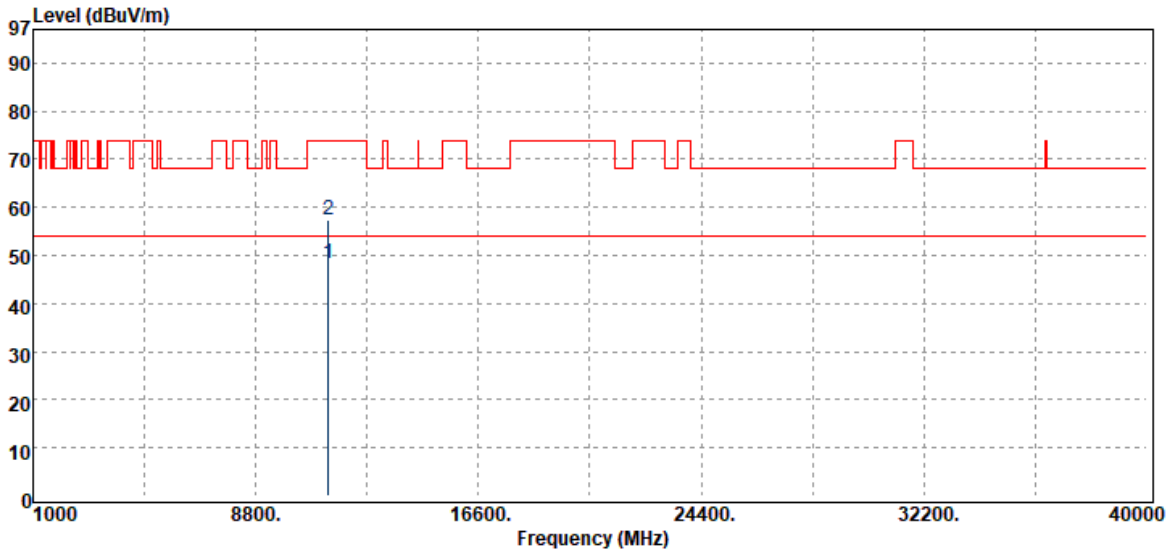
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5670 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11340.00	Average	20.72	27.77	48.49	54.00	-5.51
11340.00	Peak	29.77	27.77	57.54	74.00	-16.46

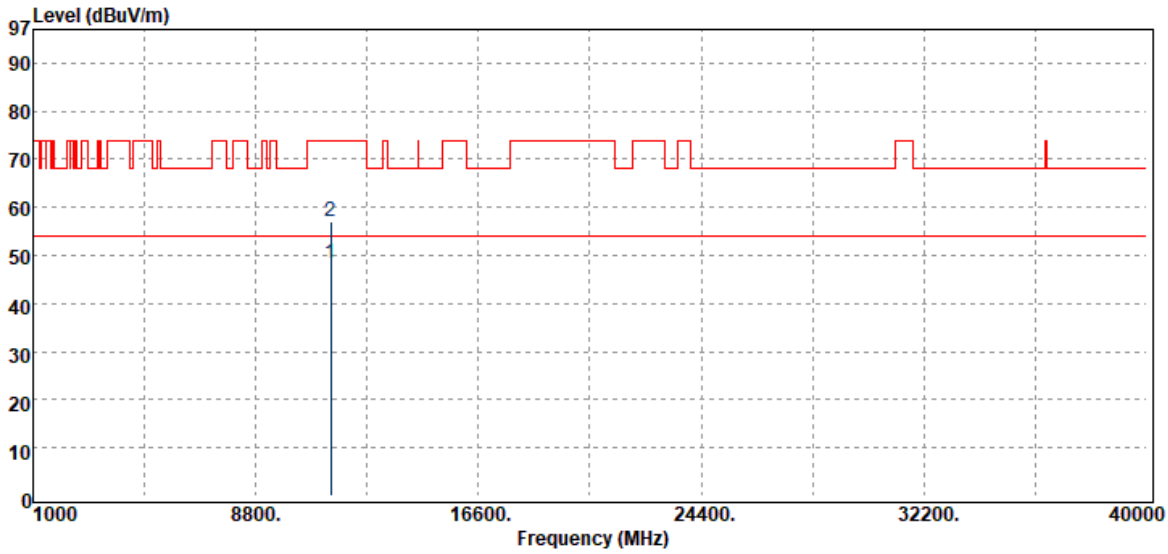
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5710 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11420.00	Average	20.69	27.66	48.35	54.00	-5.65
11420.00	Peak	29.26	27.66	56.92	74.00	-17.08

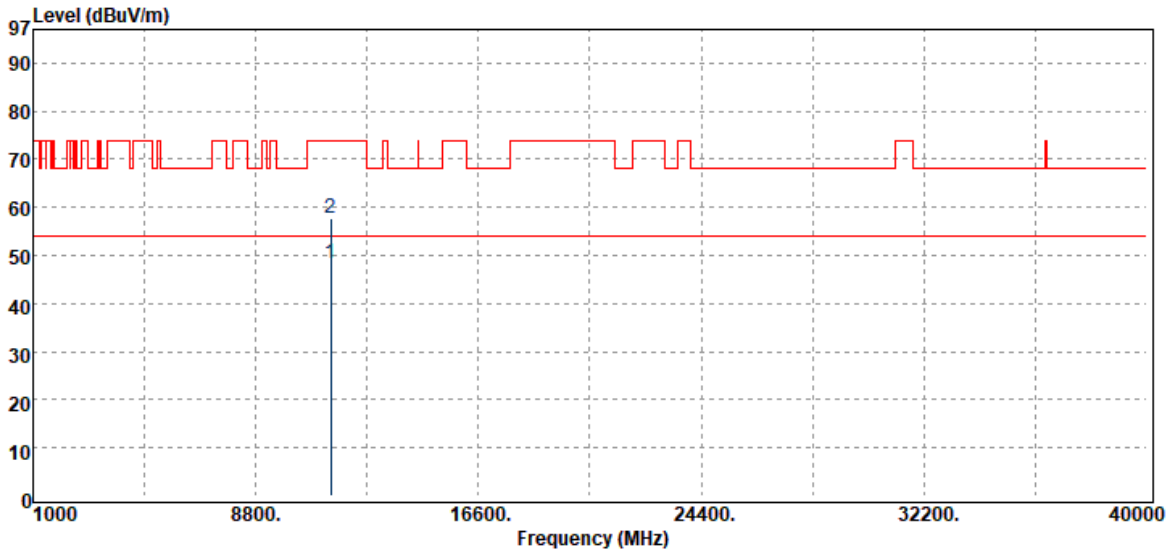
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5710 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11420.00	Average	20.77	27.66	48.43	54.00	-5.57
11420.00	Peak	30.19	27.66	57.85	74.00	-16.15

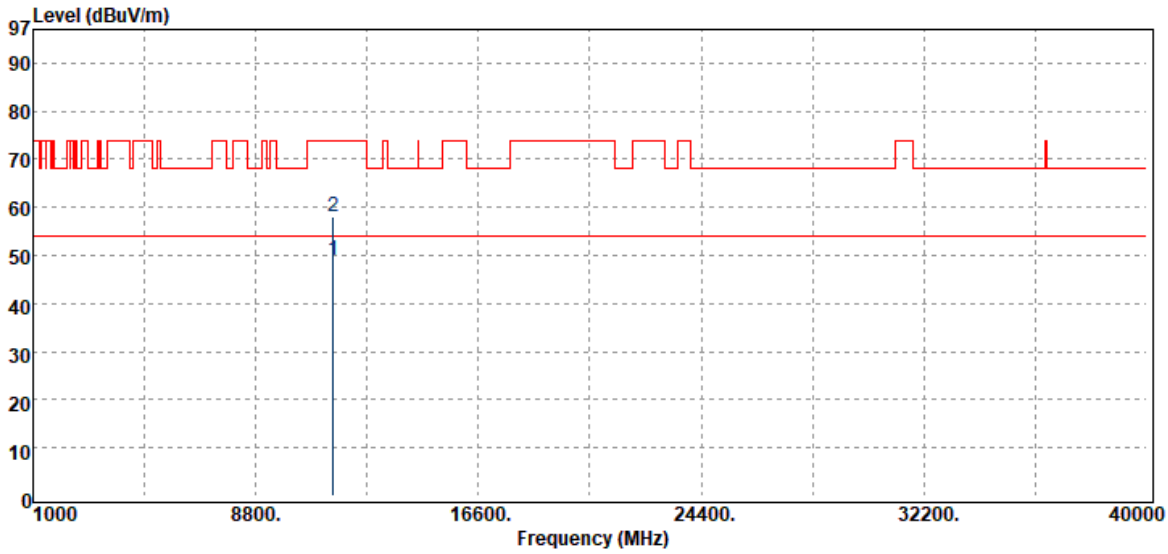
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5755 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11510.00	Average	20.97	27.96	48.93	54.00	-5.07
11510.00	Peak	29.94	27.96	57.90	74.00	-16.10

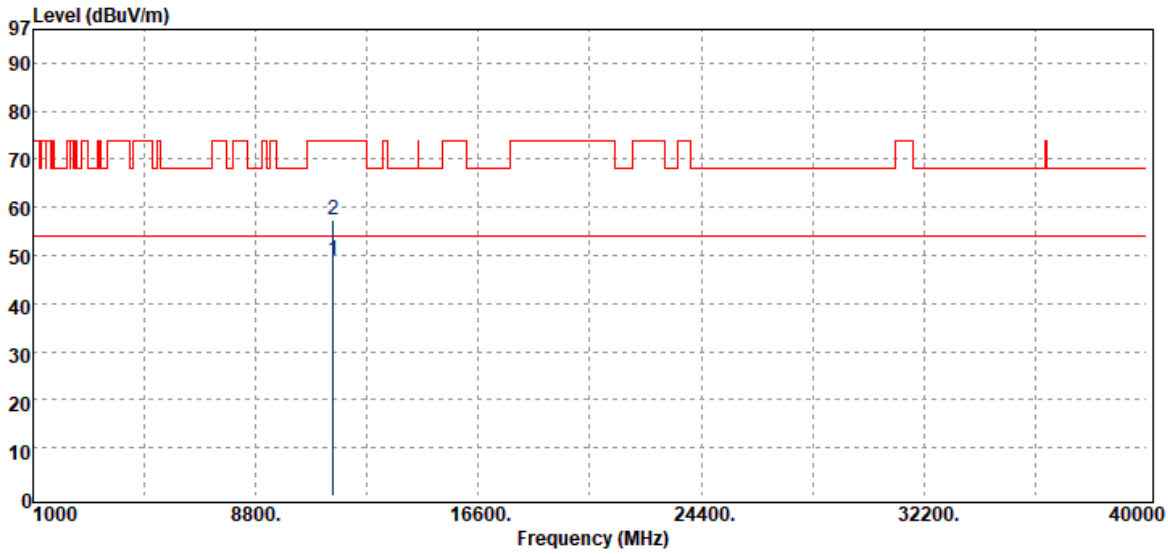
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5755 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11510.00	Average	21.08	27.96	49.04	54.00	-4.96
11510.00	Peak	29.48	27.96	57.44	74.00	-16.56

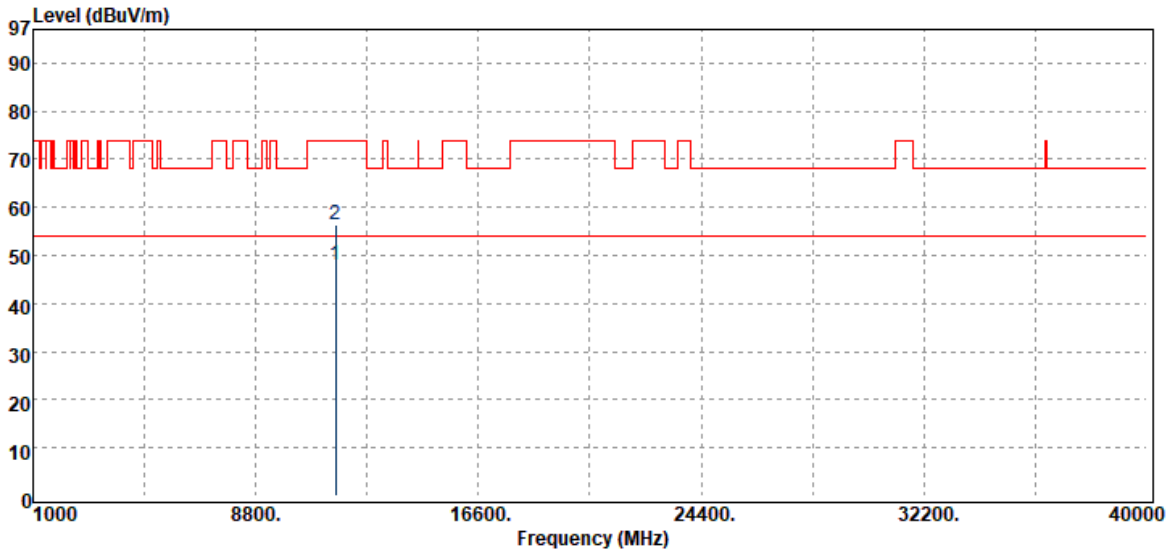
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5795 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11590.00	Average	20.92	27.12	48.04	54.00	-5.96
11590.00	Peak	29.43	27.12	56.55	74.00	-17.45

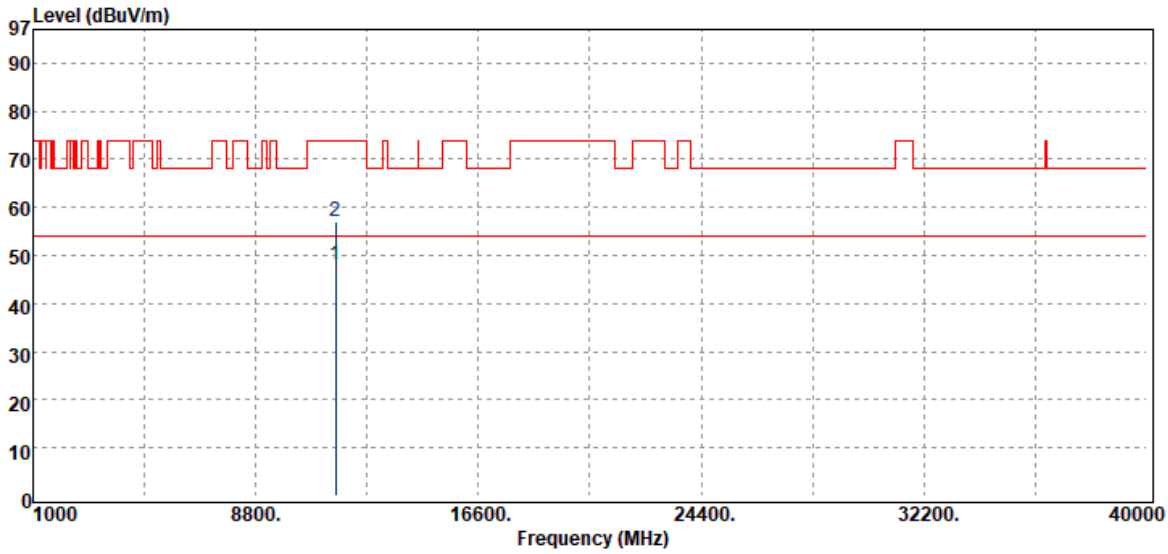
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5795 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11590.00	Average	20.97	27.12	48.09	54.00	-5.91
11590.00	Peak	29.88	27.12	57.00	74.00	-17.00

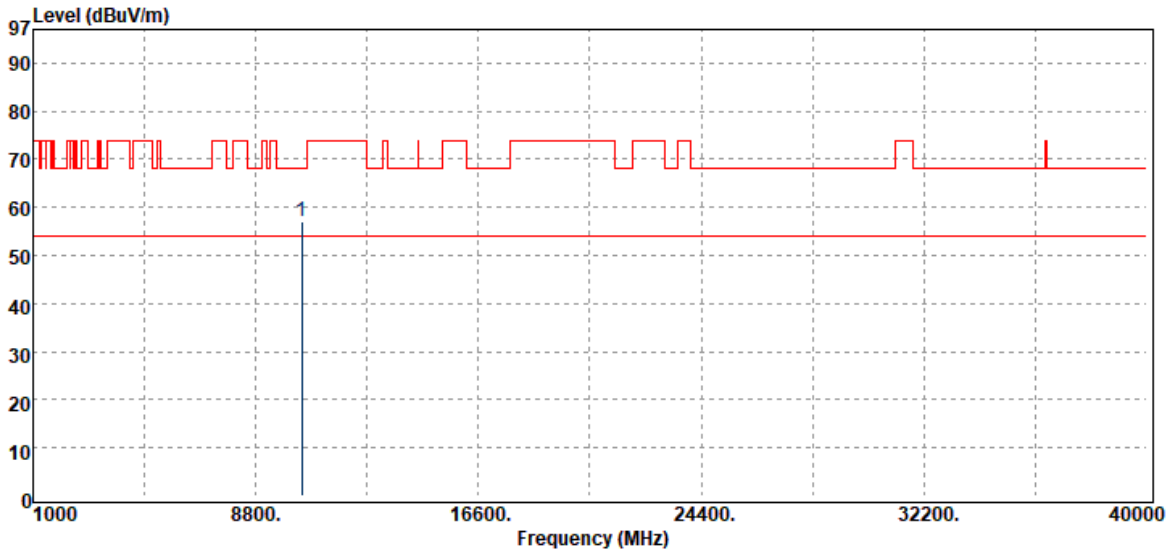
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Report Number :ER/2020/B0093
 Operation Mode :802.11ac80
 Test Frequency :5210 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10420.00	Peak	30.10	26.81	56.91	68.20	-11.29

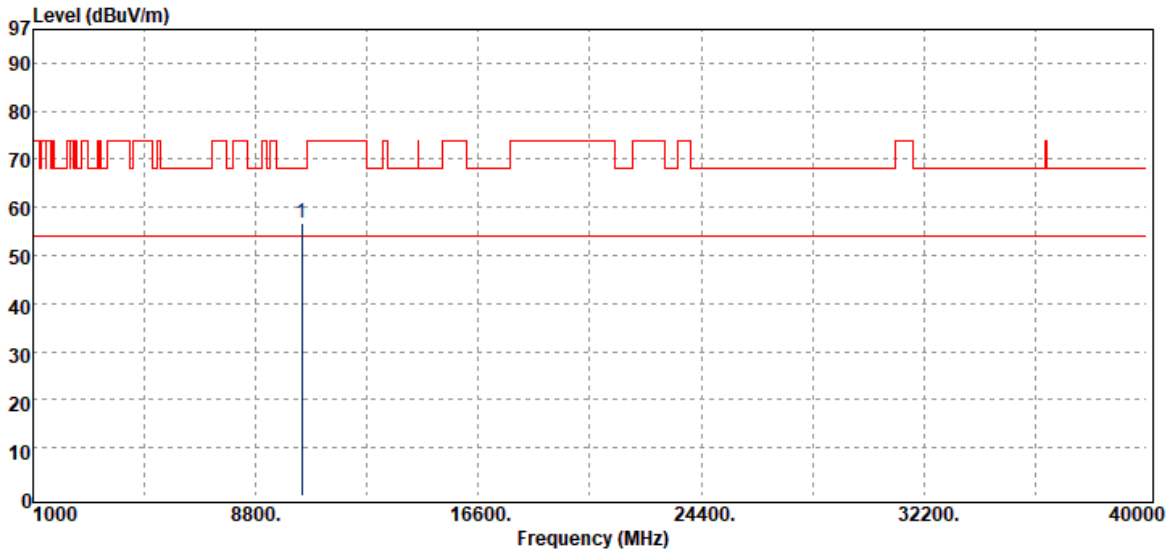
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Report Number :ER/2020/B0093
 Operation Mode :802.11ac80
 Test Frequency :5210 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10420.00	Peak	30.02	26.81	56.83	68.20	-11.37

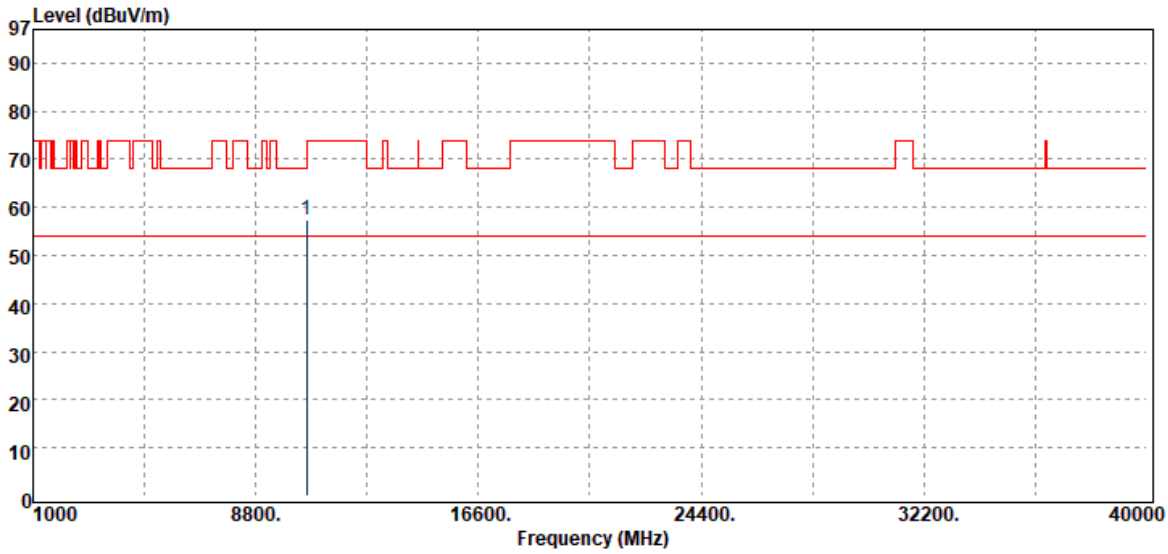
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Report Number :ER/2020/B0093
 Operation Mode :802.11ac80
 Test Frequency :5290 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10580.00	Peak	30.54	26.69	57.23	68.20	-10.97

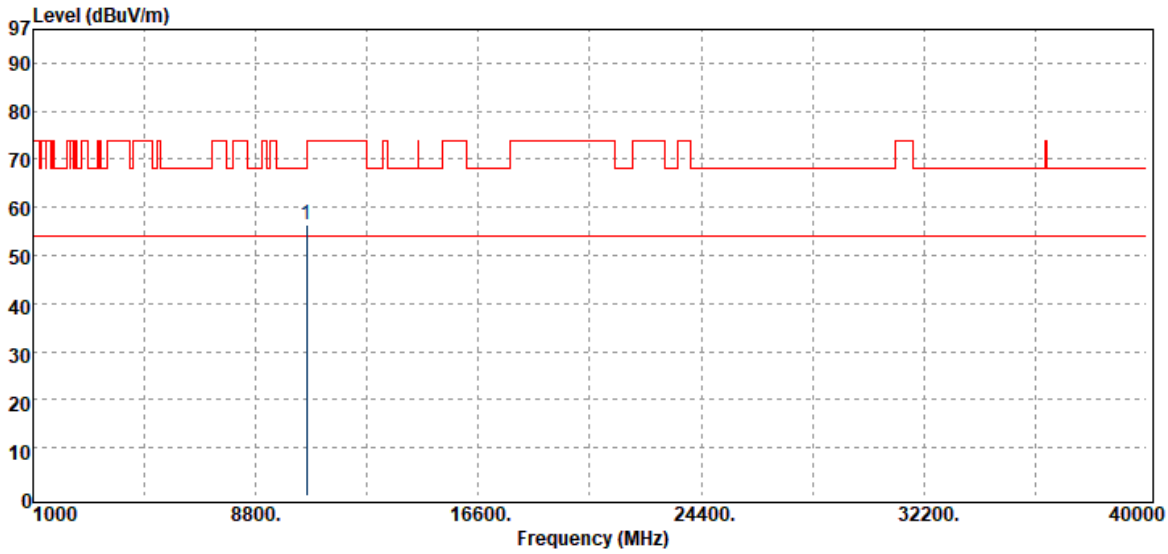
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Report Number :ER/2020/B0093
 Operation Mode :802.11ac80
 Test Frequency :5290 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-09
 Temp./Humi. :23.2/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10580.00	Peak	29.83	26.69	56.52	68.20	-11.68

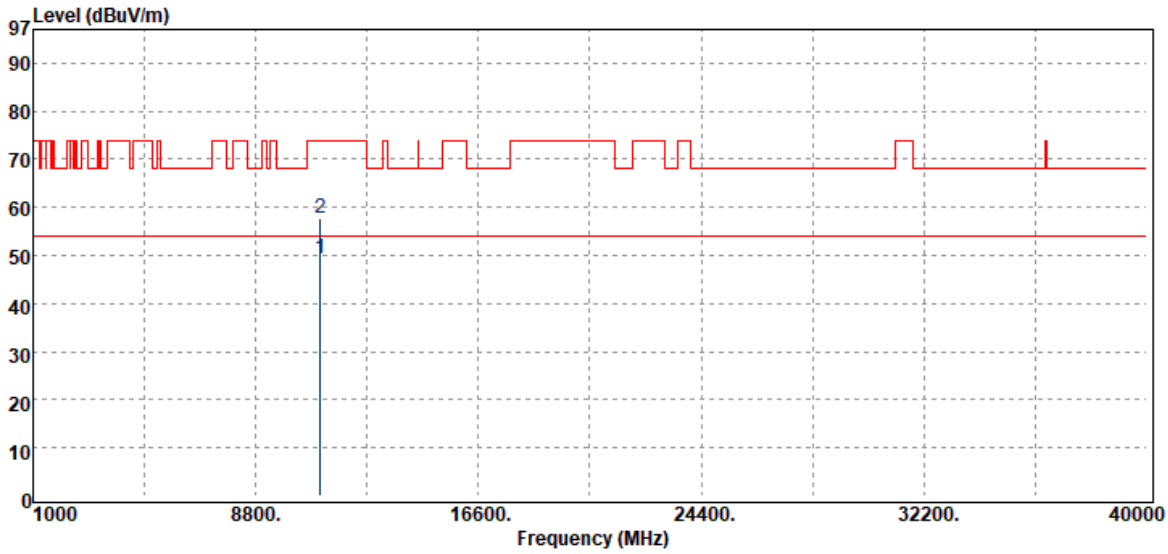
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Report Number :ER/2020/B0093
 Operation Mode :802.11ac80
 Test Frequency :5530 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-10
 Temp./Humi. :23.4/69
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11060.00	Average	22.59	26.84	49.43	54.00	-4.57
11060.00	Peak	30.92	26.84	57.76	74.00	-16.24

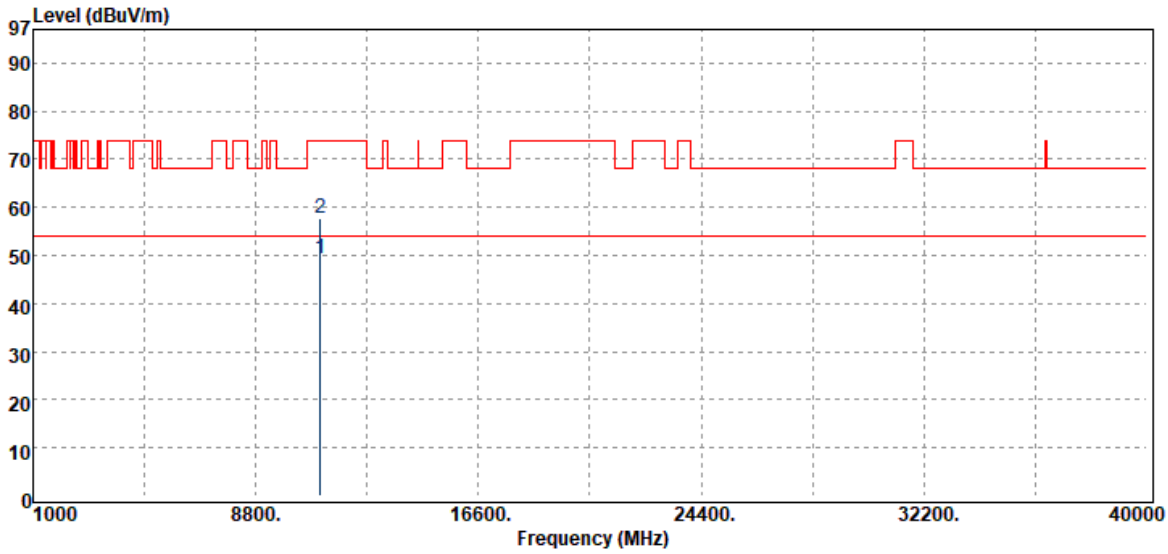
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Report Number :ER/2020/B0093
 Operation Mode :802.11ac80
 Test Frequency :5530 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-10
 Temp./Humi. :23.4/69
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11060.00	Average	22.58	26.84	49.42	54.00	-4.58
11060.00	Peak	30.87	26.84	57.71	74.00	-16.29

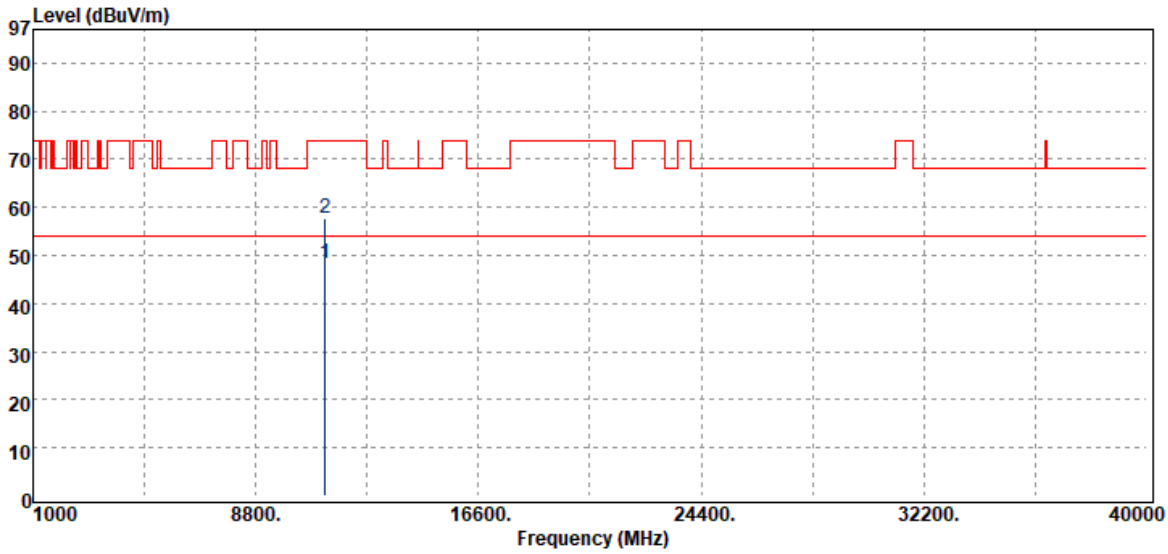
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Report Number :ER/2020/B0093
 Operation Mode :802.11ac80
 Test Frequency :5610 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-10
 Temp./Humi. :23.4/69
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11220.00	Average	21.77	26.68	48.45	54.00	-5.55
11220.00	Peak	30.96	26.68	57.64	74.00	-16.36

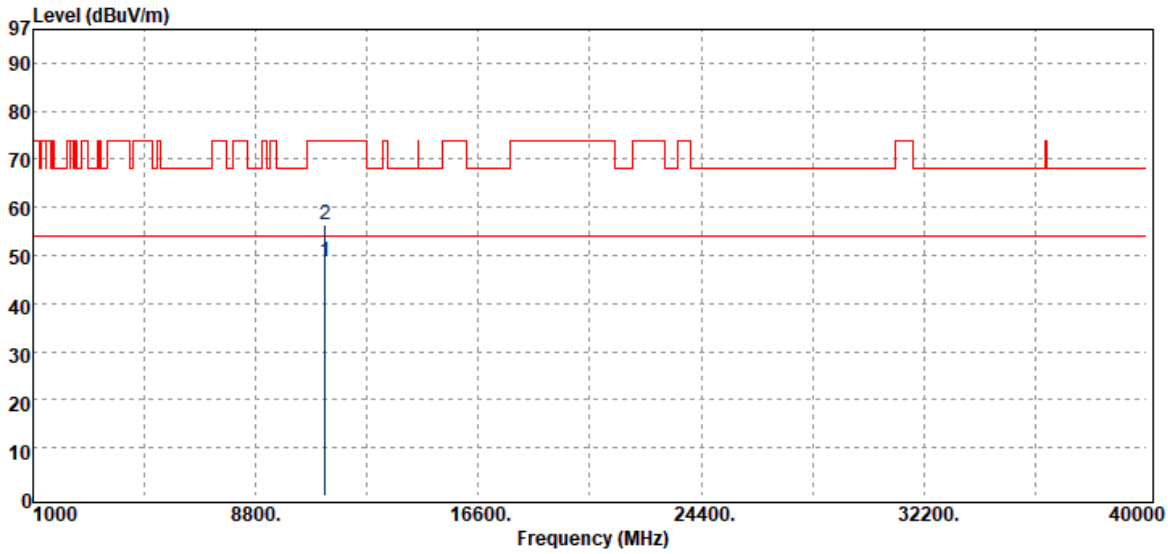
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Report Number :ER/2020/B0093
 Operation Mode :802.11ac80
 Test Frequency :5610 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-10
 Temp./Humi. :23.4/69
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11220.00	Average	21.92	26.68	48.60	54.00	-5.40
11220.00	Peak	29.87	26.68	56.55	74.00	-17.45

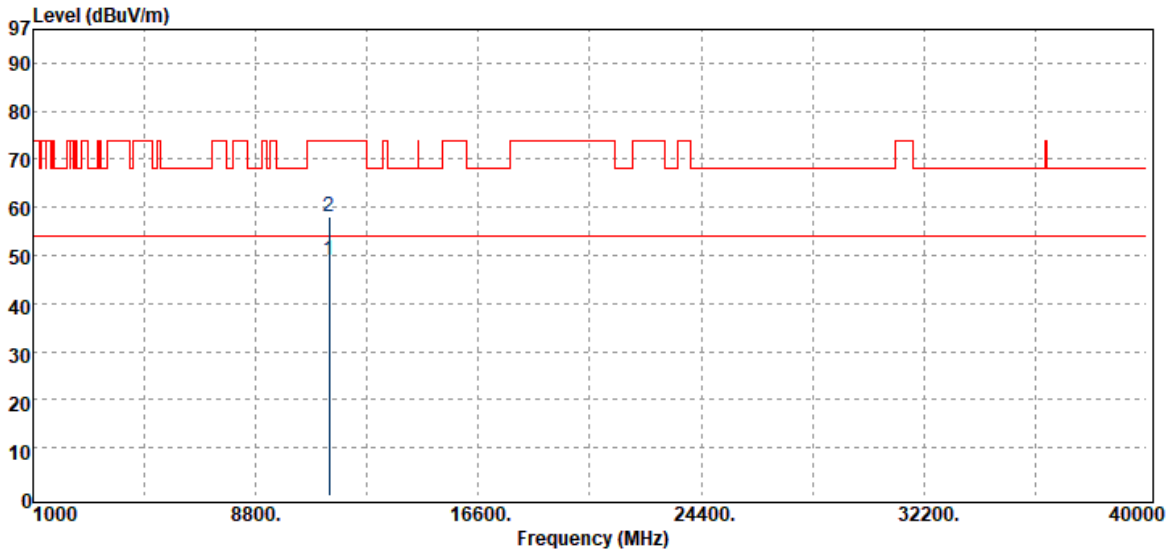
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Report Number :ER/2020/B0093
 Operation Mode :802.11ac80
 Test Frequency :5690 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-10
 Temp./Humi. :23.4/69
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11380.00	Average	21.27	27.63	48.90	54.00	-5.10
11380.00	Peak	30.33	27.63	57.96	74.00	-16.04

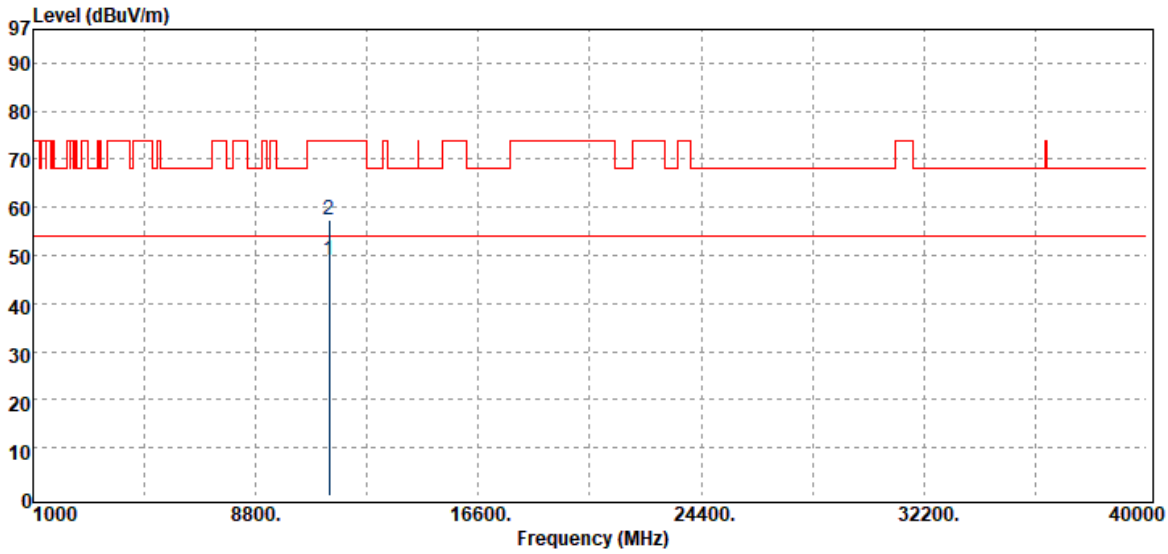
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Report Number :ER/2020/B0093
 Operation Mode :802.11ac80
 Test Frequency :5690 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-10
 Temp./Humi. :23.4/69
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11380.00	Average	21.25	27.63	48.88	54.00	-5.12
11380.00	Peak	29.89	27.63	57.52	74.00	-16.48

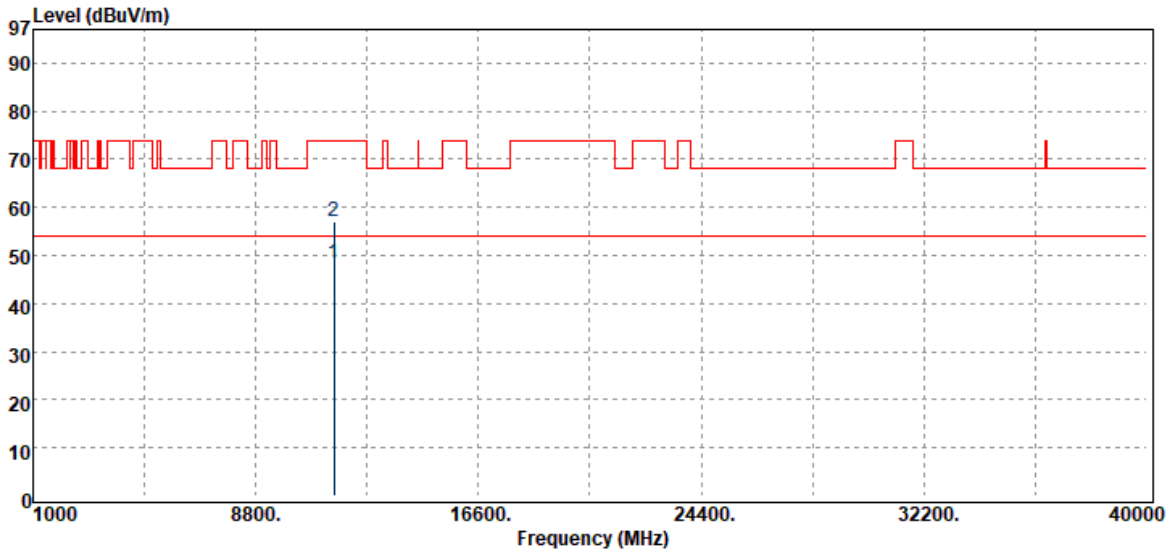
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Report Number :ER/2020/B0093
 Operation Mode :802.11ac80
 Test Frequency :5775 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-10
 Temp./Humi. :23.4/69
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11550.00	Average	21.06	27.23	48.29	54.00	-5.71
11550.00	Peak	29.91	27.23	57.14	74.00	-16.86

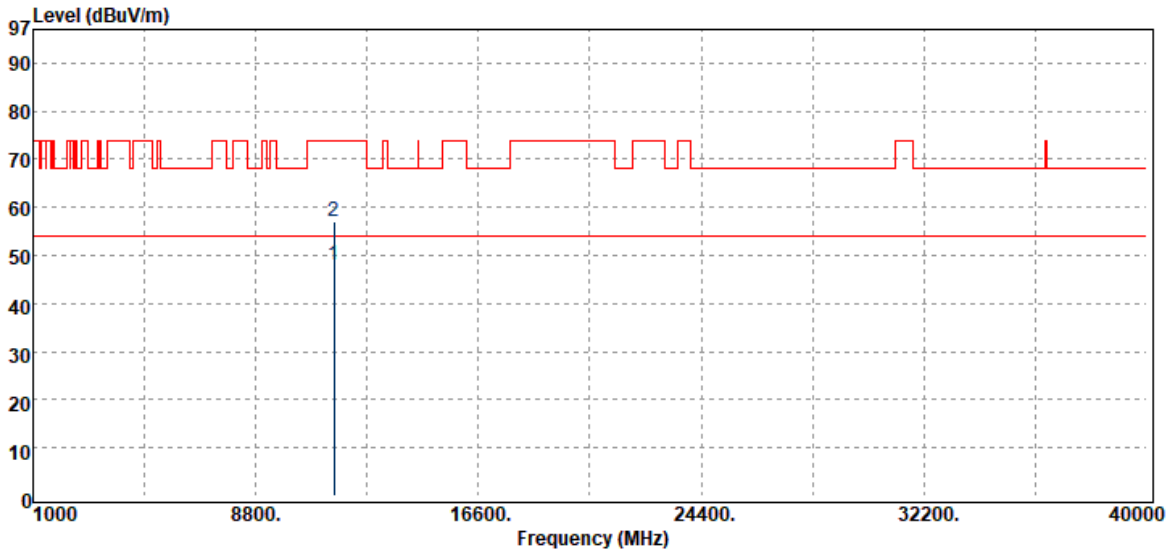
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Report Number :ER/2020/B0093
 Operation Mode :802.11ac80
 Test Frequency :5775 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-10
 Temp./Humi. :23.4/69
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11550.00	Average	20.92	27.23	48.15	54.00	-5.85
11550.00	Peak	29.84	27.23	57.07	74.00	-16.93

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

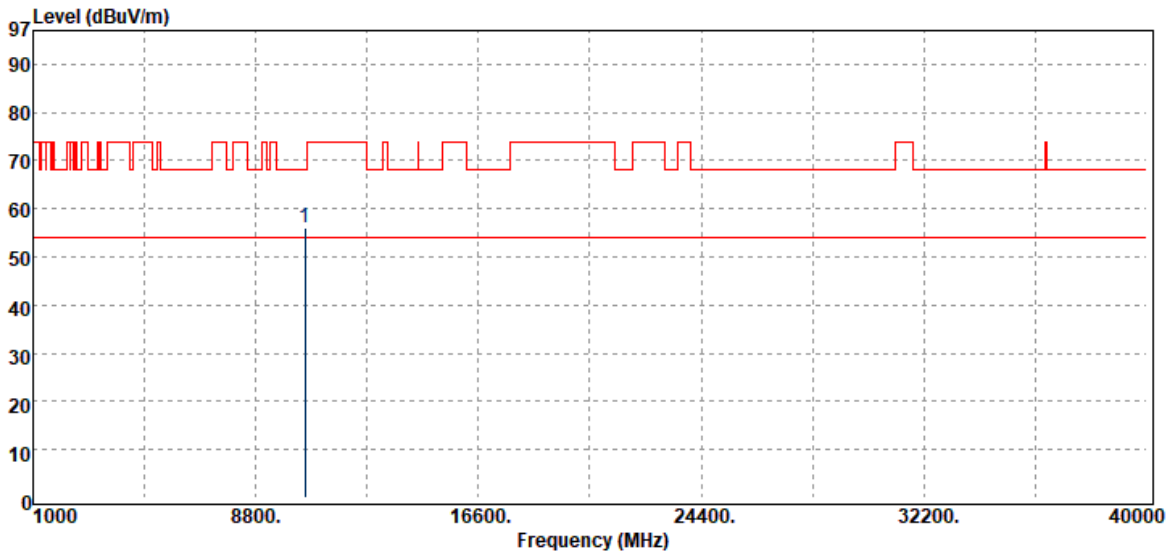
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For spot check

Report Number :ER/2020/C0014
 Operation Mode :802.11a
 Test Frequency :5260 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-22
 Temp./Humi. :22.0/64
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
10520.00	Peak	29.79	26.32	56.11	68.20	-12.09

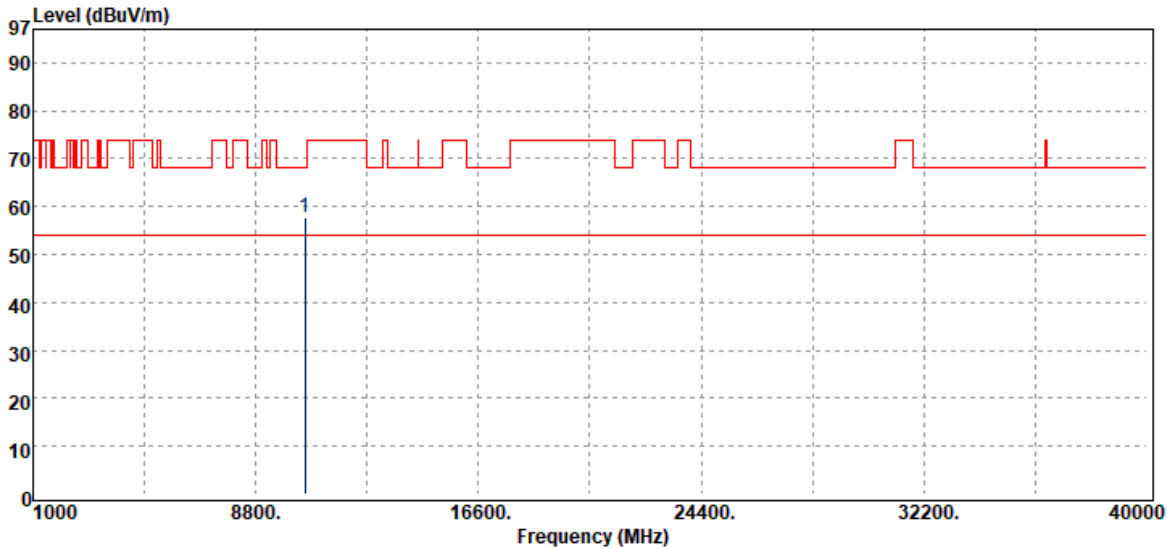
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Report Number :ER/2020/C0014
 Operation Mode :802.11a
 Test Frequency :5260 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-22
 Temp./Humi. :22.0/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10520.00	Peak	31.26	26.32	57.58	68.20	-10.62

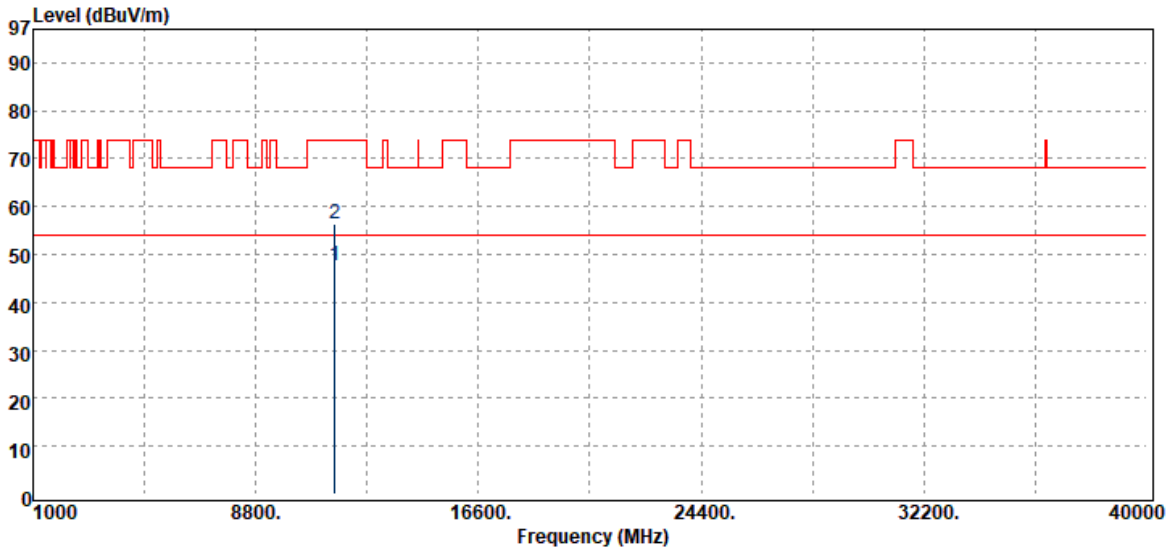
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Report Number :ER/2020/C0014
 Operation Mode :802.11a
 Test Frequency :5785 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-22
 Temp./Humi. :22.0/64
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11570.00	Average	20.35	27.18	47.53	54.00	-6.47
11570.00	Peak	29.35	27.18	56.53	74.00	-17.47

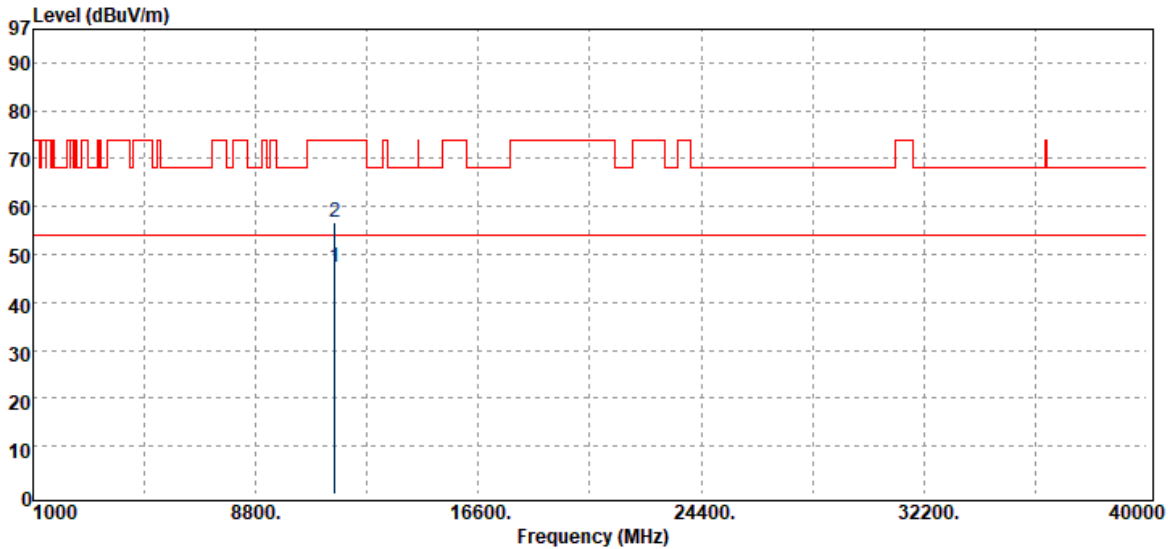
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Report Number :ER/2020/C0014
 Operation Mode :802.11a
 Test Frequency :5785 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-22
 Temp./Humi. :22.0/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11570.00	Average	20.31	27.18	47.49	54.00	-6.51
11570.00	Peak	29.60	27.18	56.78	74.00	-17.22

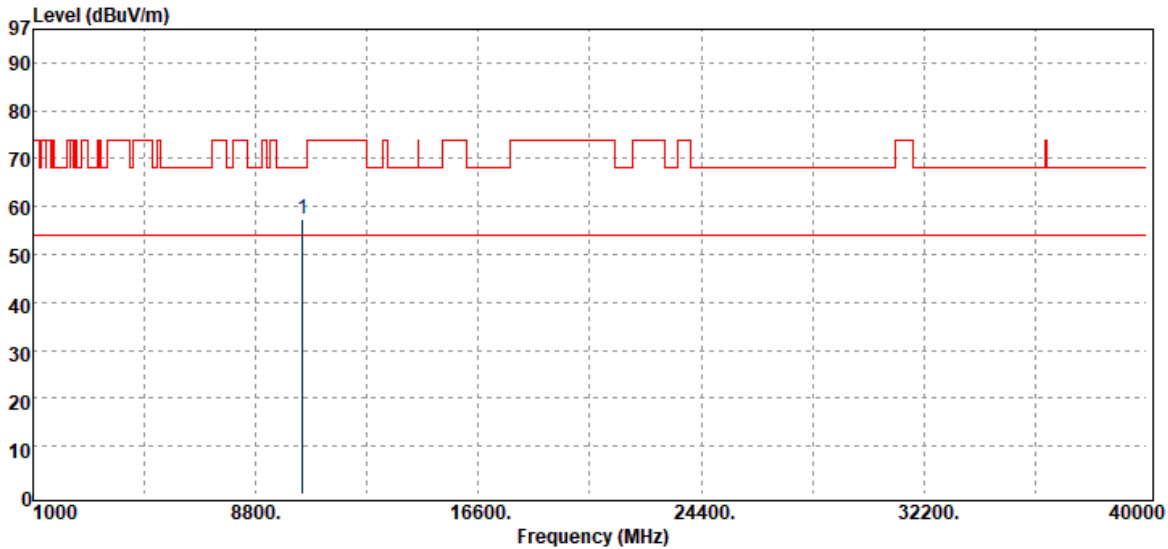
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Report Number :ER/2020/C0014
 Operation Mode :802.11n20
 Test Frequency :5220 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-22
 Temp./Humi. :22.0/64
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10440.00	Peak	30.56	26.76	57.32	68.20	-10.88

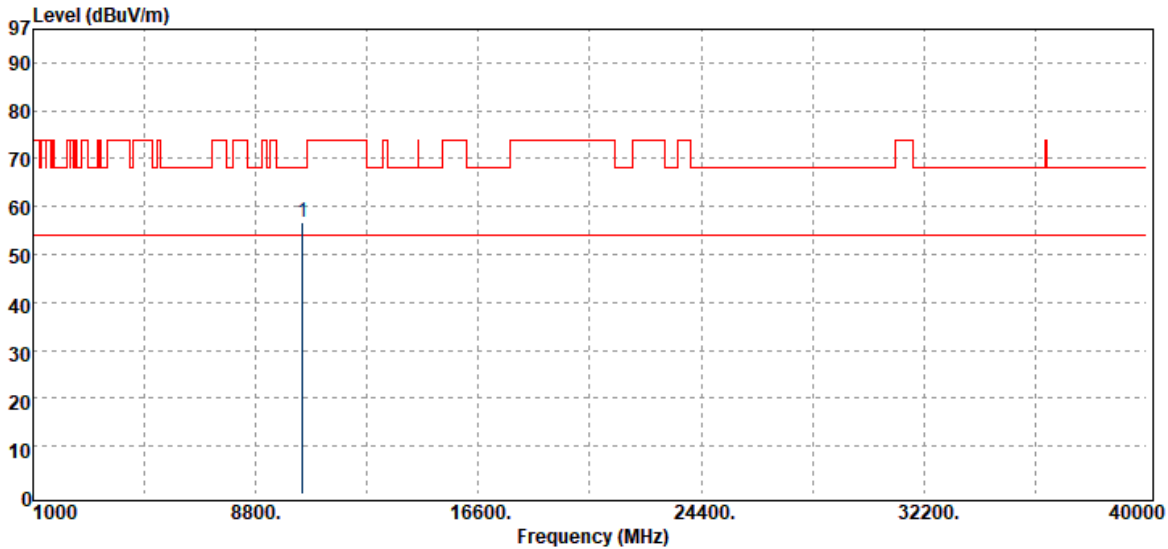
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Report Number :ER/2020/C0014
 Operation Mode :802.11n20
 Test Frequency :5220 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-22
 Temp./Humi. :22.0/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10440.00	Peak	30.04	26.76	56.80	68.20	-11.40

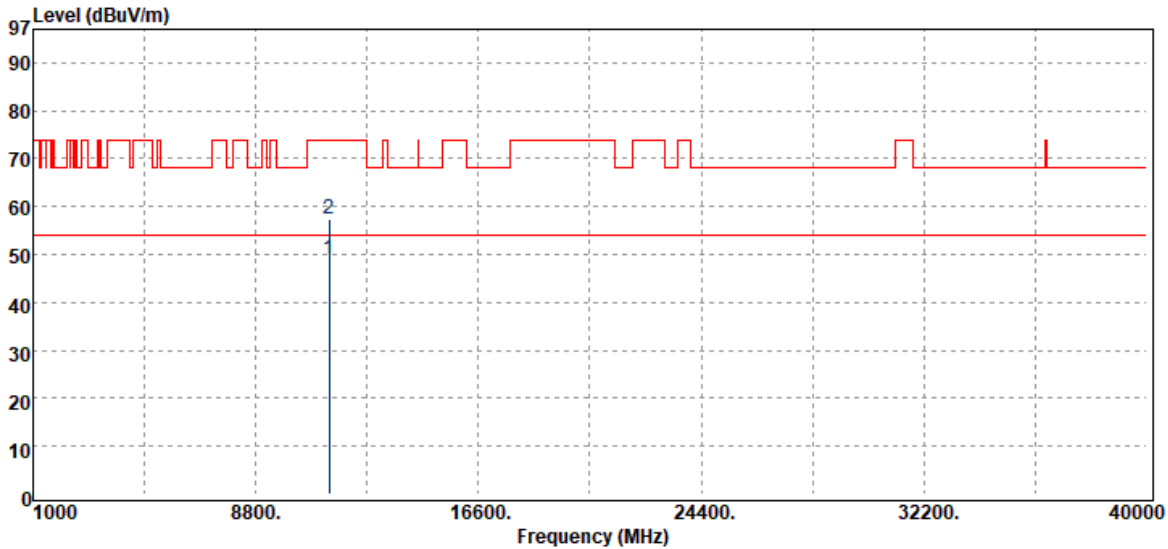
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Report Number :ER/2020/C0014
 Operation Mode :802.11ac80
 Test Frequency :5690 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-22
 Temp./Humi. :22.0/64
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11380.00	Average	21.23	27.63	48.86	54.00	-5.14
11380.00	Peak	29.83	27.63	57.46	74.00	-16.54

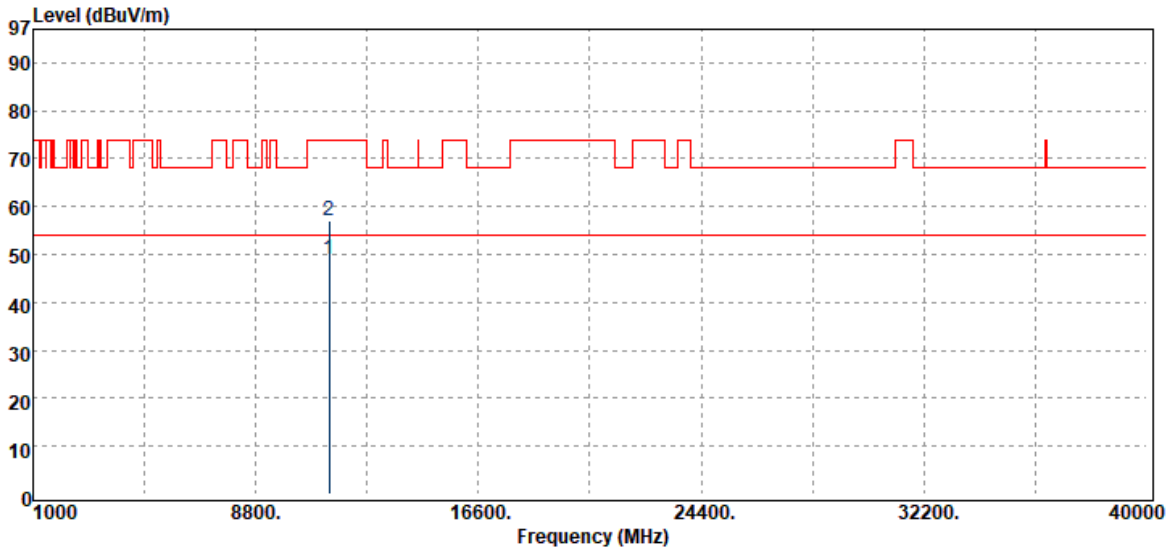
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Report Number :ER/2020/C0014
 Operation Mode :802.11ac80
 Test Frequency :5690 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-22
 Temp./Humi. :22.0/64
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11380.00	Average	21.53	27.63	49.16	54.00	-4.84
11380.00	Peak	29.50	27.63	57.13	74.00	-16.87

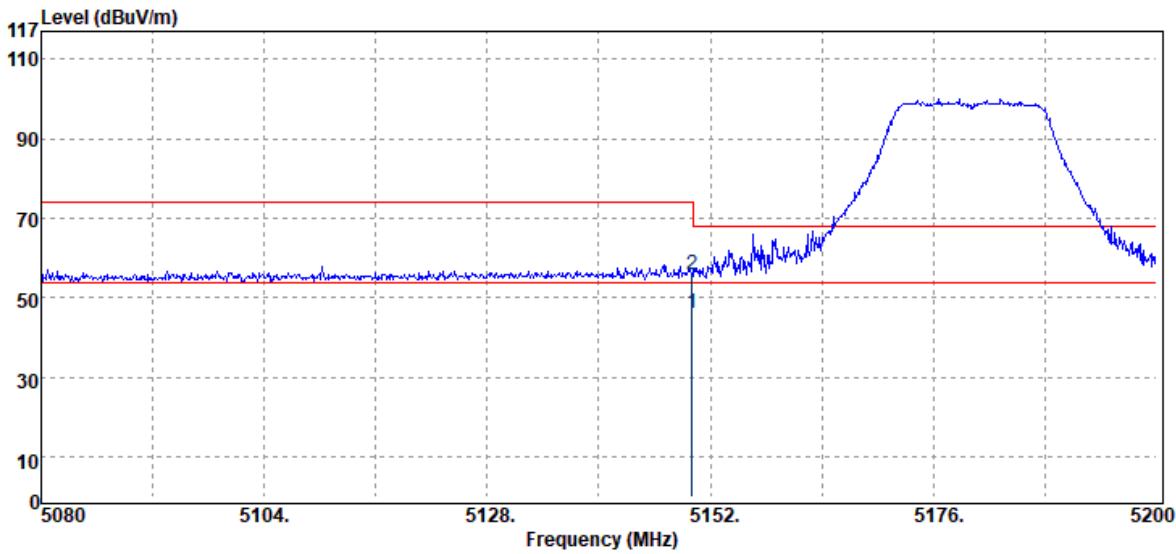
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11.7.3 Band edge falling to restricted band

Report Number	:ER/2020/B0093	Test Site	:SAC I Chamber
Operation Mode	:802.11a	Test Date	:2020-12-04
Test Frequency	:5180 MHz	Temp./Humi.	:23.8/60
Test Mode	:Bandedge CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:E2 Plane	Engineer	:Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5150.00	Average	31.38	14.83	46.21	54.00	-7.79
5150.00	Peak	41.22	14.83	56.05	74.00	-17.95

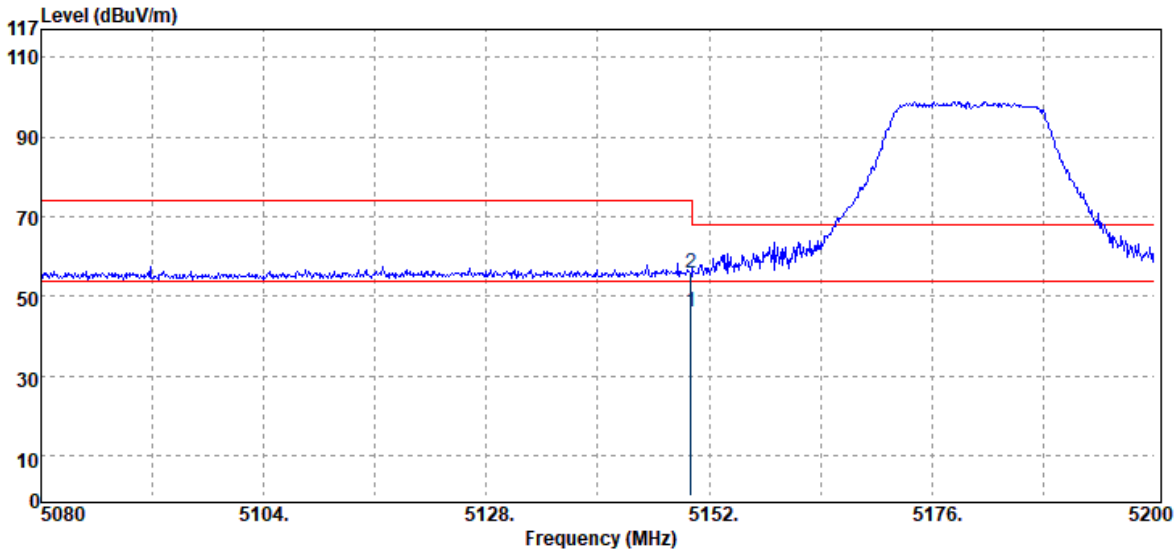
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5180 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-04
 Temp./Humi. :23.8/60
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5150.00	Average	31.27	14.83	46.10	54.00	-7.90
5150.00	Peak	41.22	14.83	56.05	74.00	-17.95

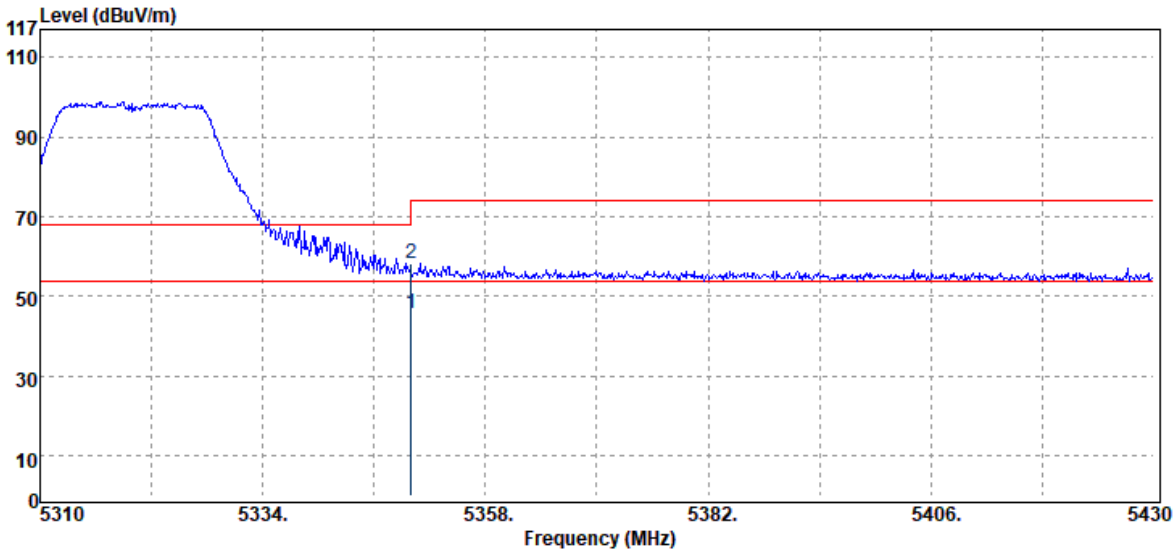
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5320 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-04
 Temp./Humi. :23.8/60
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.00	Average	31.37	14.20	45.57	54.00	-8.43
5350.00	Peak	44.02	14.20	58.22	74.00	-15.78

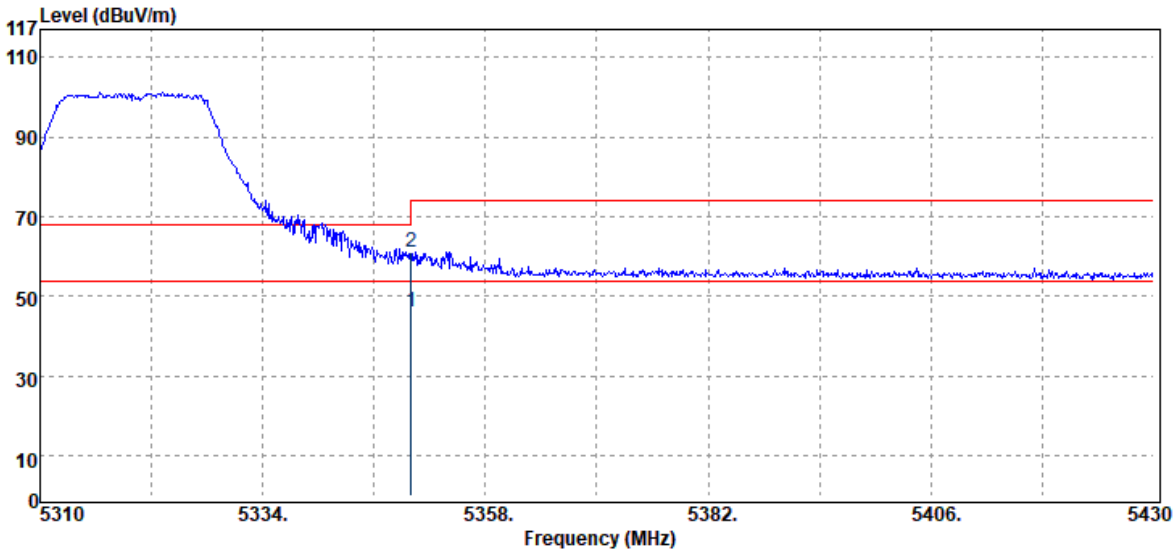
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5320 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-04
 Temp./Humi. :23.8/60
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5350.00	Average	31.87	14.20	46.07	54.00	-7.93
5350.00	Peak	46.92	14.20	61.12	74.00	-12.88

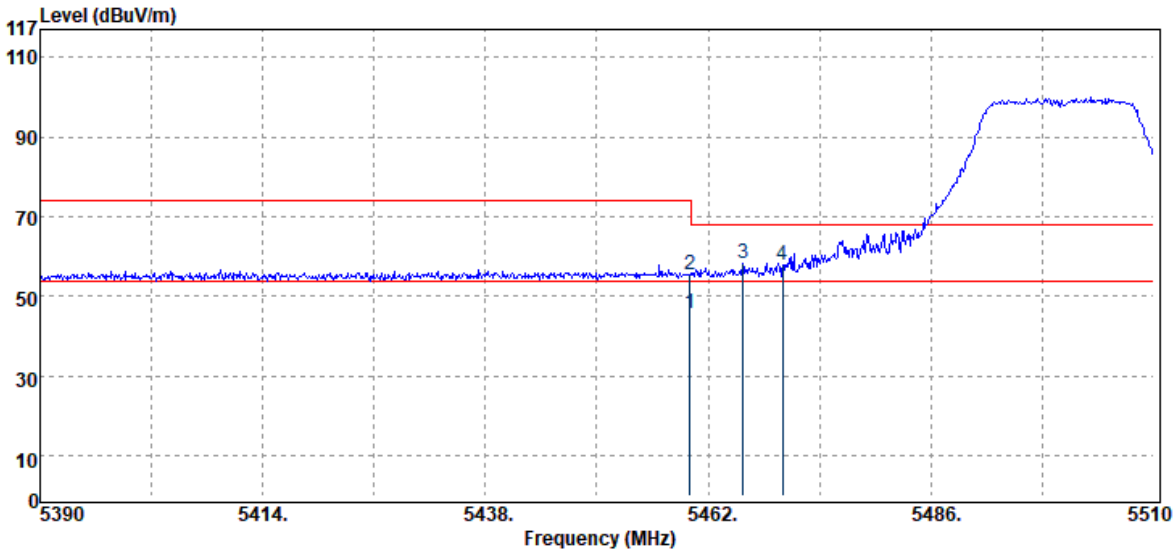
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5500 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-04
 Temp./Humi. :23.8/60
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5460.00	Average	31.27	14.57	45.84	54.00	-8.16
5460.00	Peak	40.79	14.57	55.36	74.00	-18.64
5465.72	Peak	43.69	14.60	58.29	68.20	-9.91
5470.00	Peak	43.44	14.61	58.05	68.20	-10.15

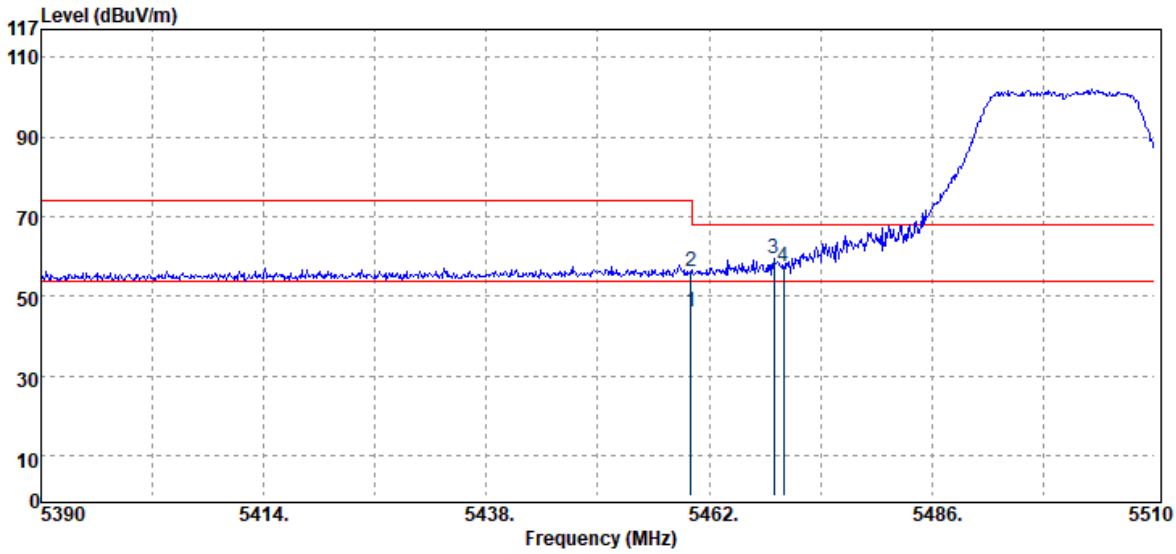
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5500 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-04
 Temp./Humi. :23.8/60
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5460.00	Average	31.78	14.57	46.35	54.00	-7.65
5460.00	Peak	41.88	14.57	56.45	74.00	-17.55
5468.96	Peak	44.75	14.61	59.36	68.20	-8.84
5470.00	Peak	43.00	14.61	57.61	68.20	-10.59

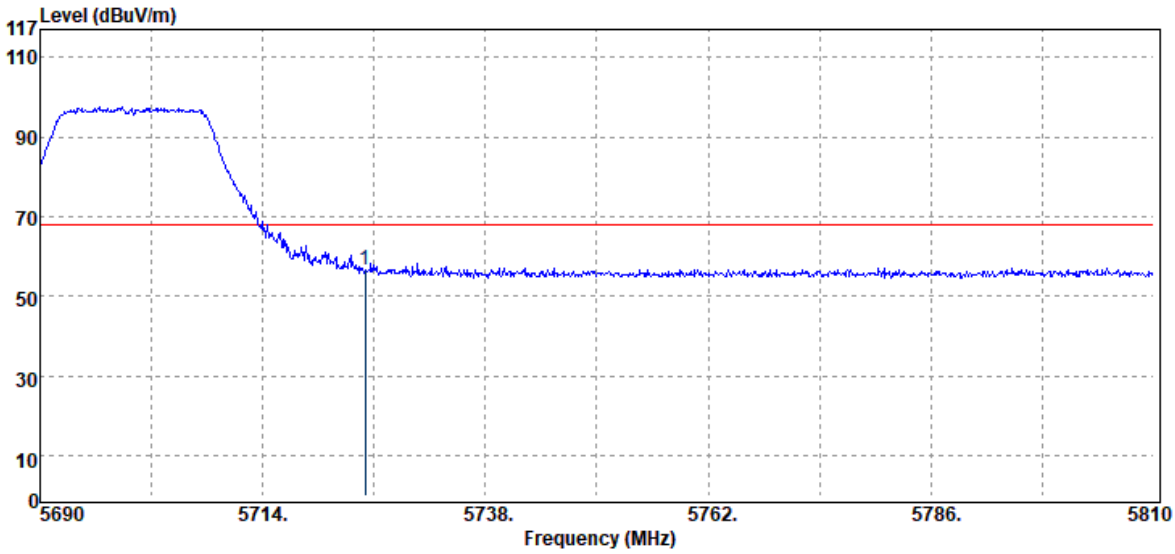
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5700 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-04
 Temp./Humi. :23.8/60
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.00	Peak	41.29	15.48	56.77	68.20	-11.43

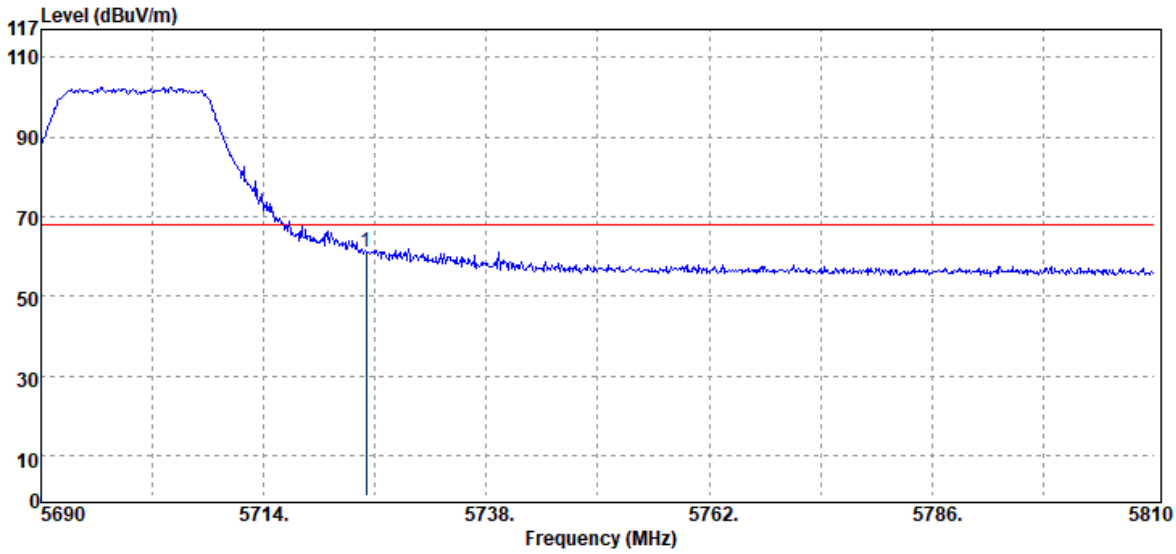
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5700 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-04
 Temp./Humi. :23.8/60
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5725.00	Peak	45.85	15.48	61.33	68.20	-6.87

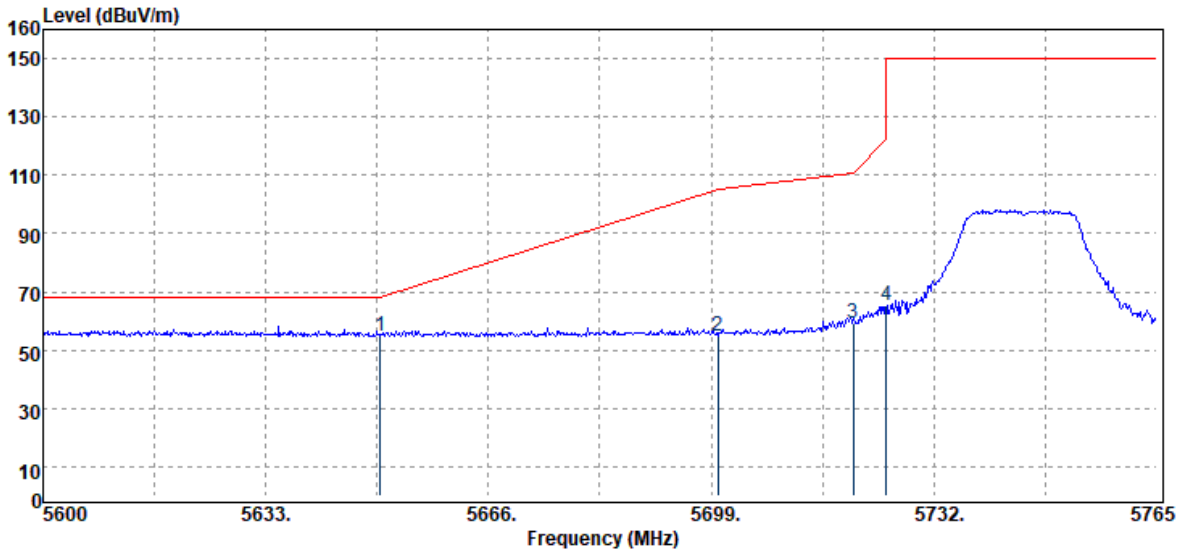
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5745 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-04
 Temp./Humi. :23.8/60
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5650.00	Peak	39.75	15.16	54.91	68.20	-13.29
5700.00	Peak	39.59	15.42	55.01	105.20	-50.19
5720.00	Peak	43.91	15.47	59.38	110.80	-51.42
5725.00	Peak	49.58	15.48	65.06	122.20	-57.14

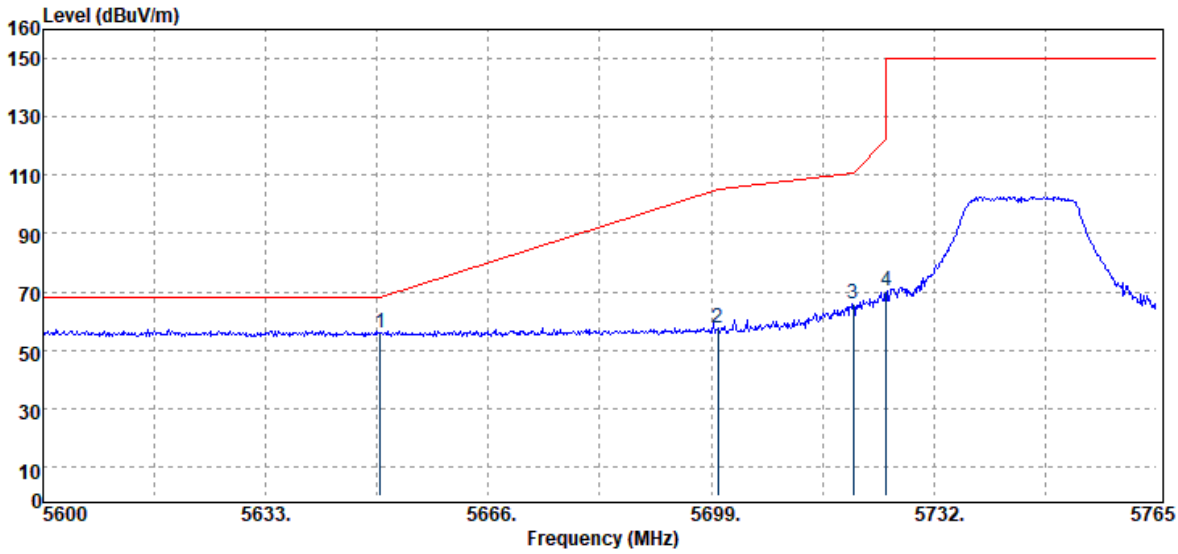
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5745 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-04
 Temp./Humi. :23.8/60
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5650.00	Peak	40.87	15.16	56.03	68.20	-12.17
5700.00	Peak	41.96	15.42	57.38	105.20	-47.82
5720.00	Peak	50.15	15.47	65.62	110.80	-45.18
5725.00	Peak	55.01	15.48	70.49	122.20	-51.71

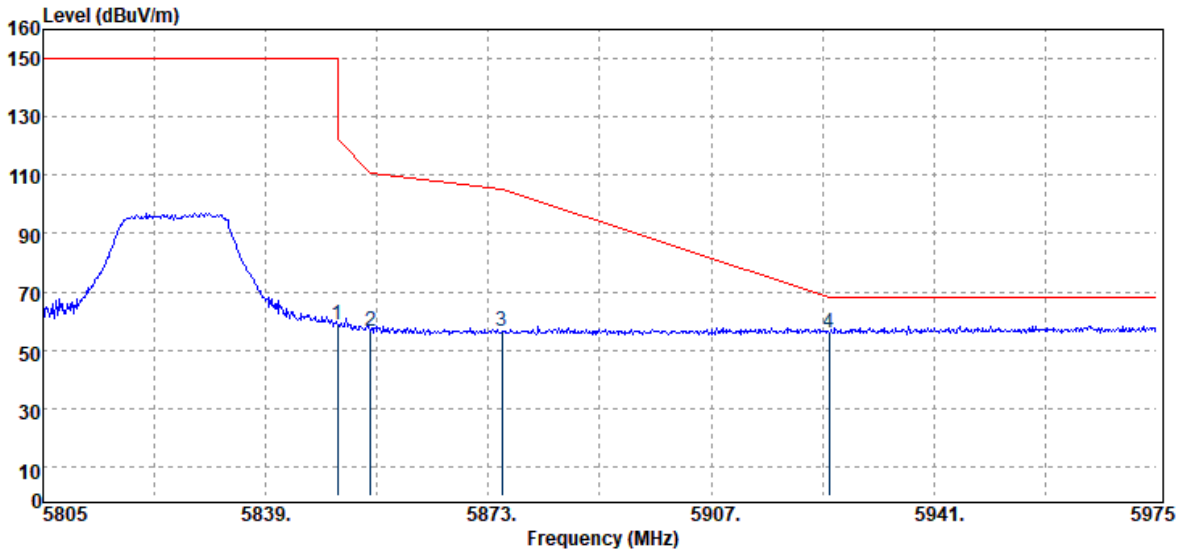
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5825 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-04
 Temp./Humi. :23.8/60
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5850.00	Peak	42.99	15.75	58.74	122.20	-63.46
5855.00	Peak	40.49	15.75	56.24	110.80	-54.56
5875.00	Peak	40.50	15.75	56.25	105.20	-48.95
5925.00	Peak	39.87	16.06	55.93	68.20	-12.27

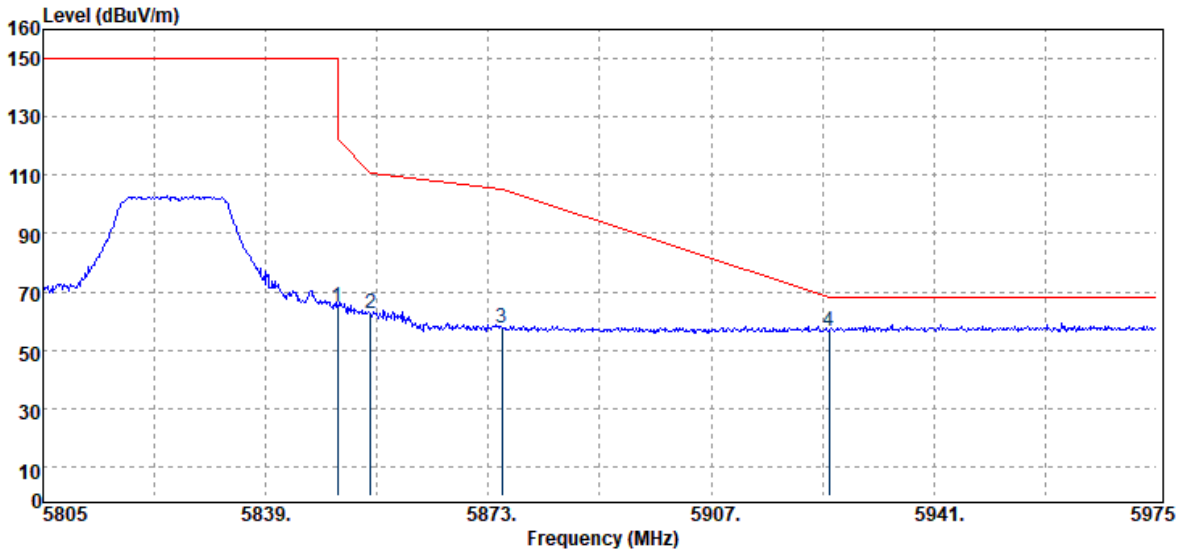
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Report Number :ER/2020/B0093
 Operation Mode :802.11a
 Test Frequency :5825 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-04
 Temp./Humi. :23.8/60
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5850.00	Peak	49.25	15.75	65.00	122.20	-57.20
5855.00	Peak	47.03	15.75	62.78	110.80	-48.02
5875.00	Peak	41.85	15.75	57.60	105.20	-47.60
5925.00	Peak	40.52	16.06	56.58	68.20	-11.62

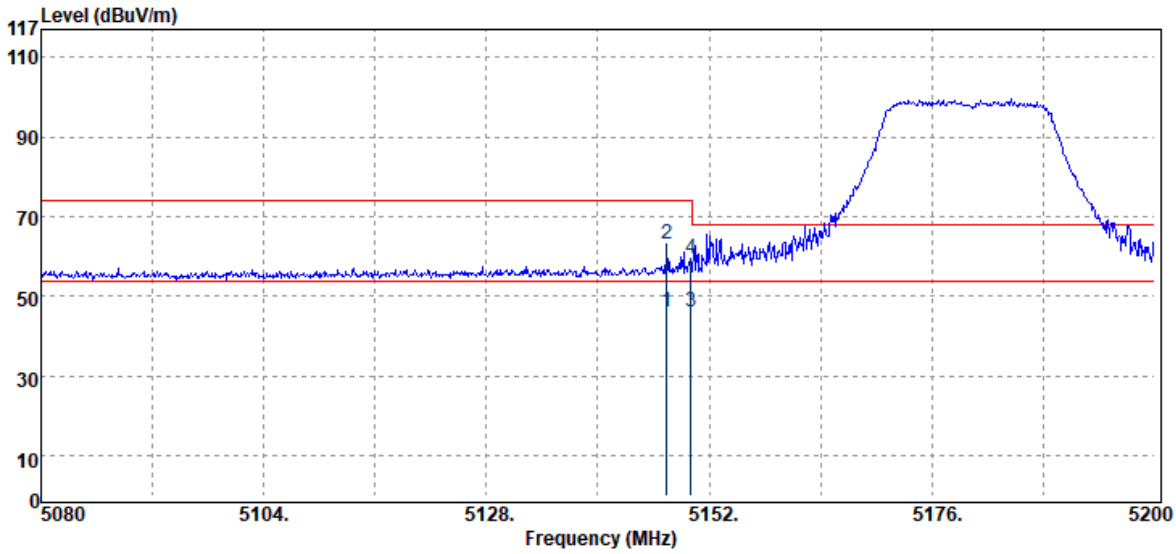
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5180 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-04
 Temp./Humi. :23.8/60
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5147.44	Average	31.40	14.83	46.23	54.00	-7.77
5147.44	Peak	48.22	14.83	63.05	74.00	-10.95
5150.00	Average	31.25	14.83	46.08	54.00	-7.92
5150.00	Peak	44.87	14.83	59.70	74.00	-14.30

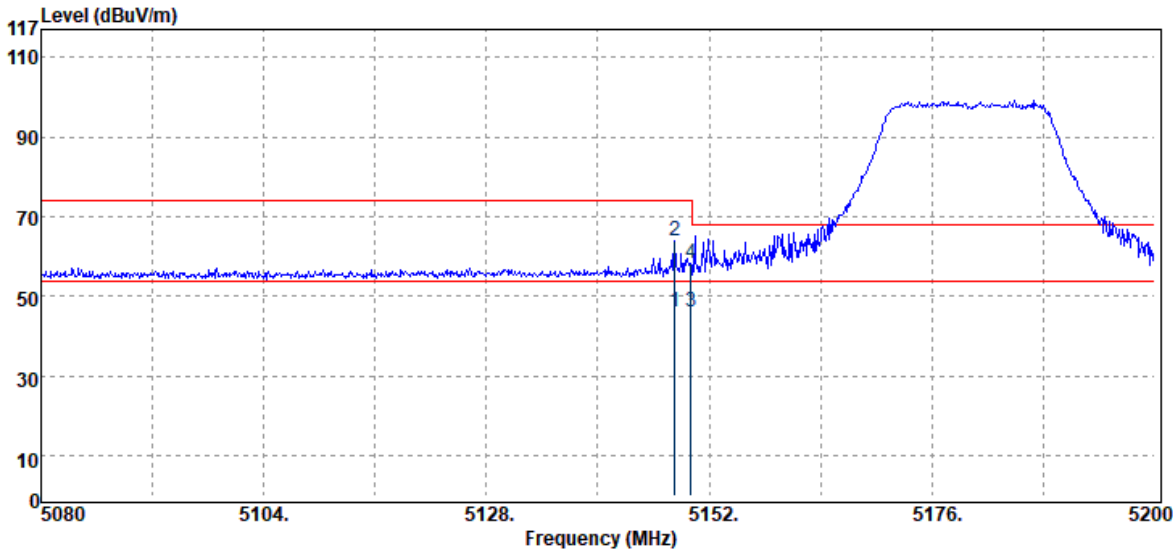
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5180 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-04
 Temp./Humi. :23.8/60
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5148.28	Average	31.22	14.83	46.05	54.00	-7.95
5148.28	Peak	49.19	14.83	64.02	74.00	-9.98
5150.00	Average	31.33	14.83	46.16	54.00	-7.84
5150.00	Peak	43.43	14.83	58.26	74.00	-15.74

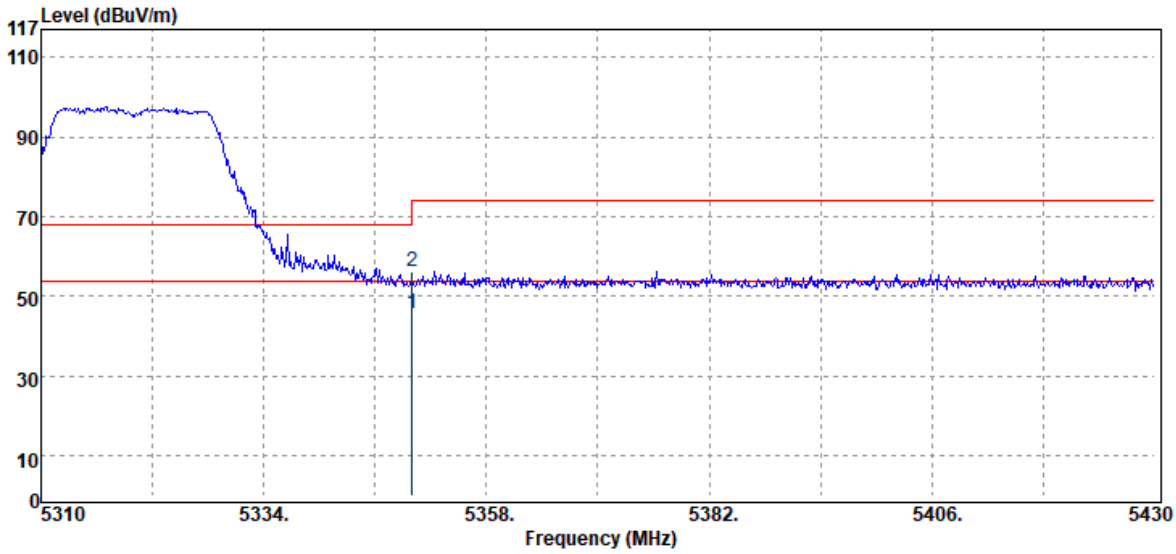
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5320 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5350.00	Average	31.66	14.20	45.86	54.00	-8.14
5350.00	Peak	42.13	14.20	56.33	74.00	-17.67

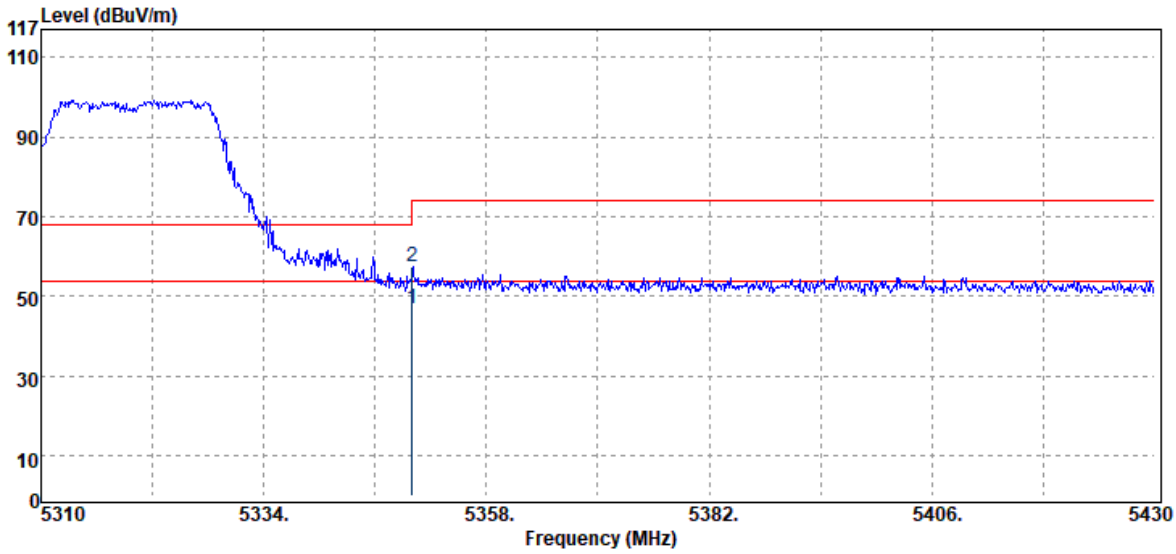
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5320 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5350.00	Average	32.85	14.20	47.05	54.00	-6.95
5350.00	Peak	43.11	14.20	57.31	74.00	-16.69

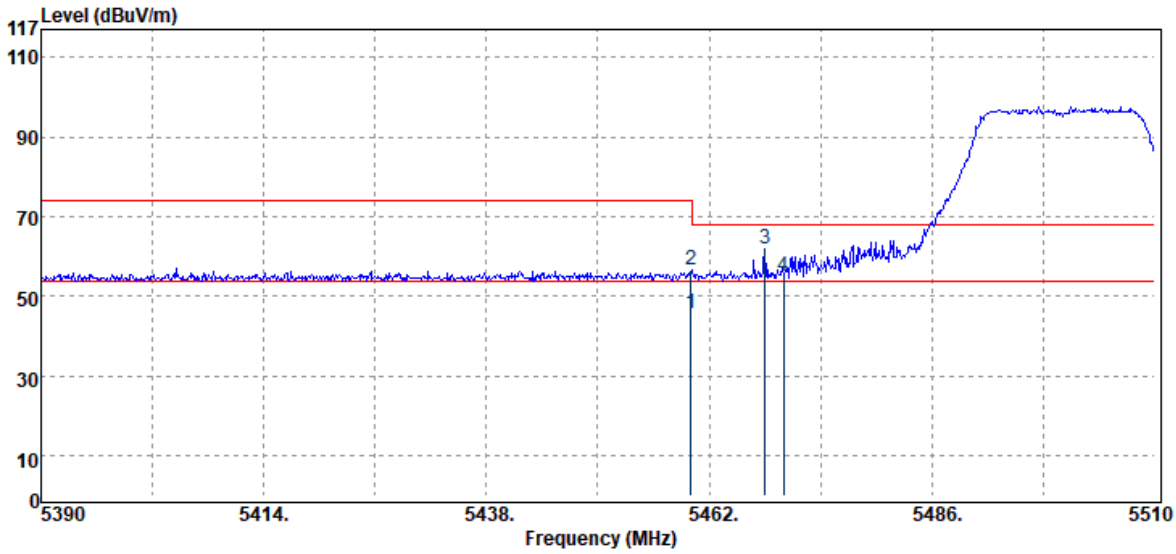
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5500 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-10
 Temp./Humi. :23.4/69
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5460.00	Average	31.06	14.57	45.63	54.00	-8.37
5460.00	Peak	42.10	14.57	56.67	74.00	-17.33
5468.00	Peak	47.48	14.60	62.08	68.20	-6.12
5470.00	Peak	40.61	14.61	55.22	68.20	-12.98

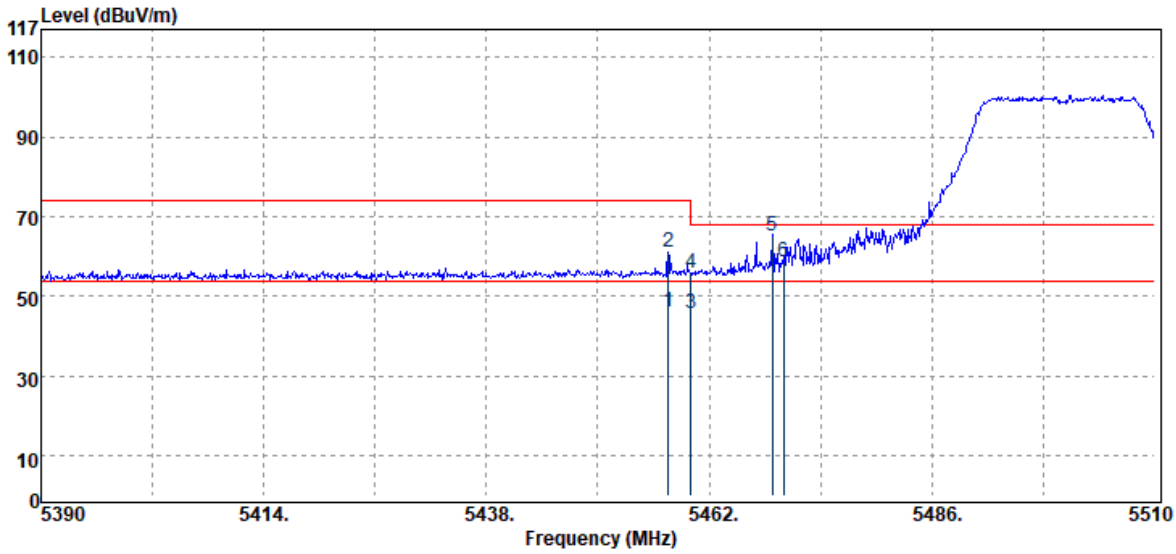
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5500 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-10
 Temp./Humi. :23.4/69
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5457.56	Average	31.52	14.56	46.08	54.00	-7.92
5457.56	Peak	46.58	14.56	61.14	74.00	-12.86
5460.00	Average	31.36	14.57	45.93	54.00	-8.07
5460.00	Peak	41.10	14.57	55.67	68.20	-12.53
5468.84	Peak	50.42	14.61	65.03	68.20	-3.17
5470.00	Peak	44.00	14.61	58.61	68.20	-9.59

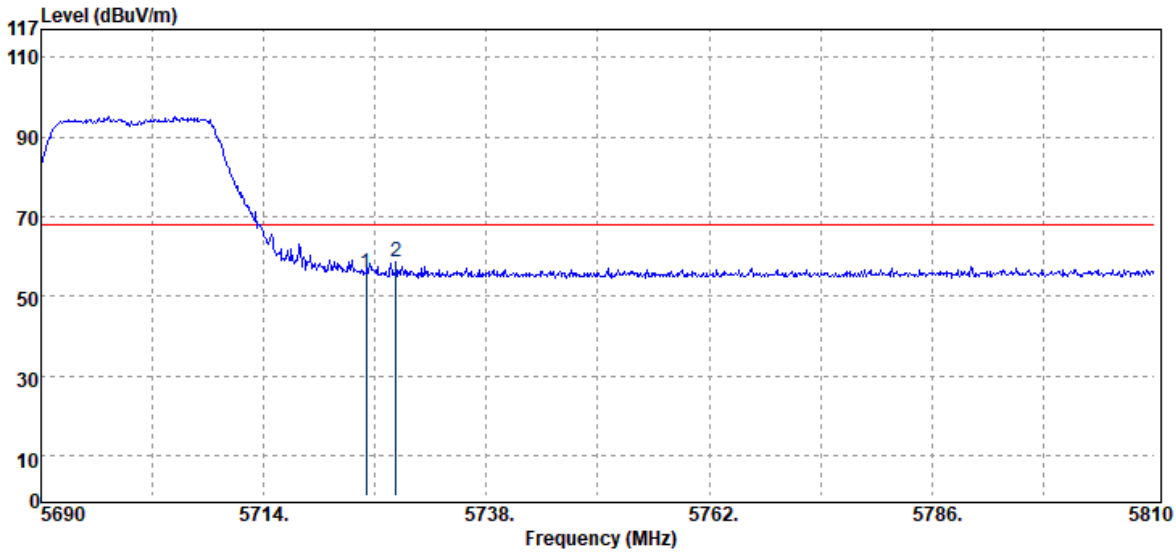
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5700 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-10
 Temp./Humi. :23.4/69
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.00	Peak	40.45	15.48	55.93	68.20	-12.27
5728.28	Peak	43.16	15.48	58.64	68.20	-9.56

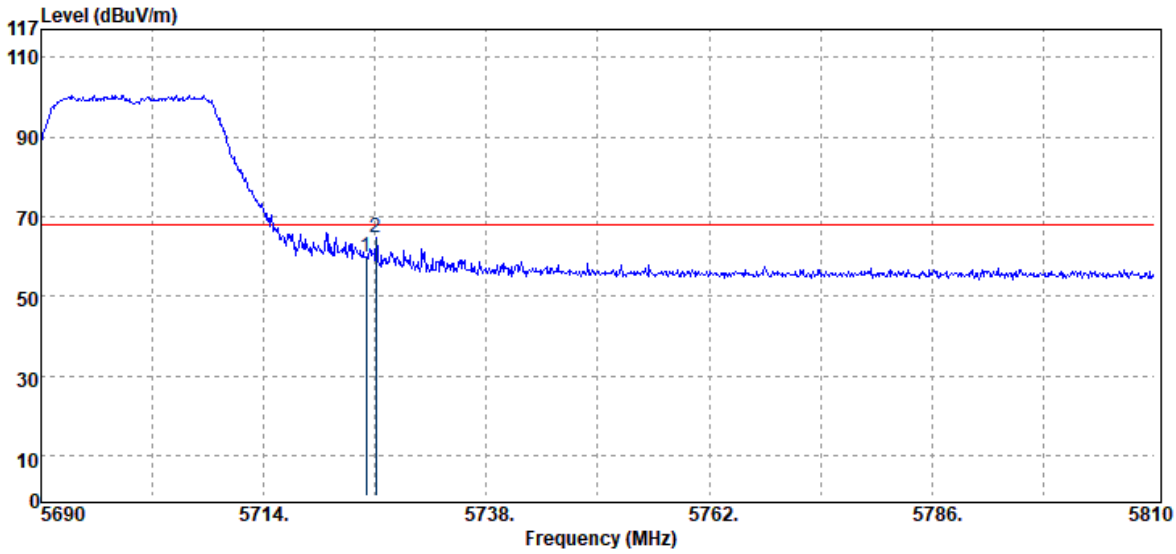
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5700 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-10
 Temp./Humi. :23.4/69
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
5725.00	Peak	44.51	15.48	59.99	68.20	-8.21
5726.12	Peak	49.16	15.48	64.64	68.20	-3.56

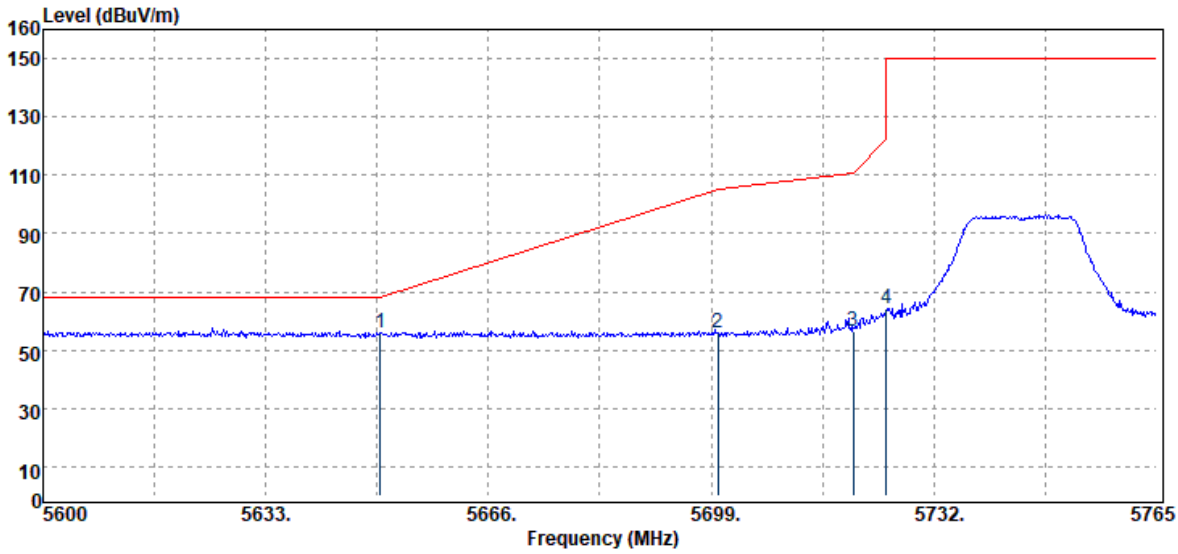
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5745 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5650.00	Peak	40.60	15.16	55.76	68.20	-12.44
5700.00	Peak	40.47	15.42	55.89	105.20	-49.31
5720.00	Peak	41.07	15.47	56.54	110.80	-54.26
5725.00	Peak	48.78	15.48	64.26	122.20	-57.94

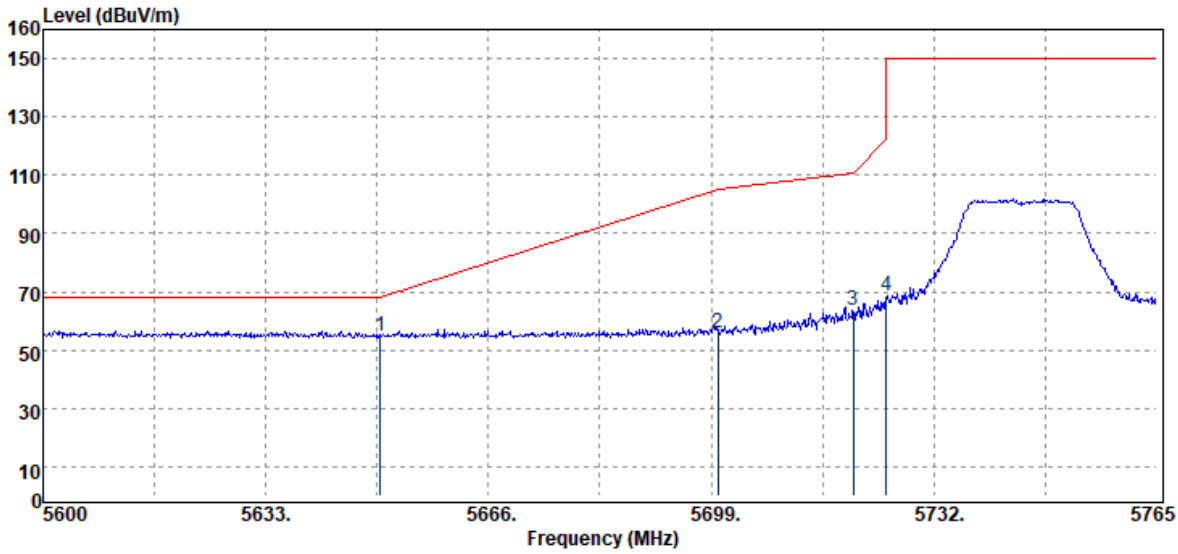
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5745 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5650.00	Peak	39.43	15.16	54.59	68.20	-13.61
5700.00	Peak	40.53	15.42	55.95	105.20	-49.25
5720.00	Peak	48.41	15.47	63.88	110.80	-46.92
5725.00	Peak	53.28	15.48	68.76	122.20	-53.44

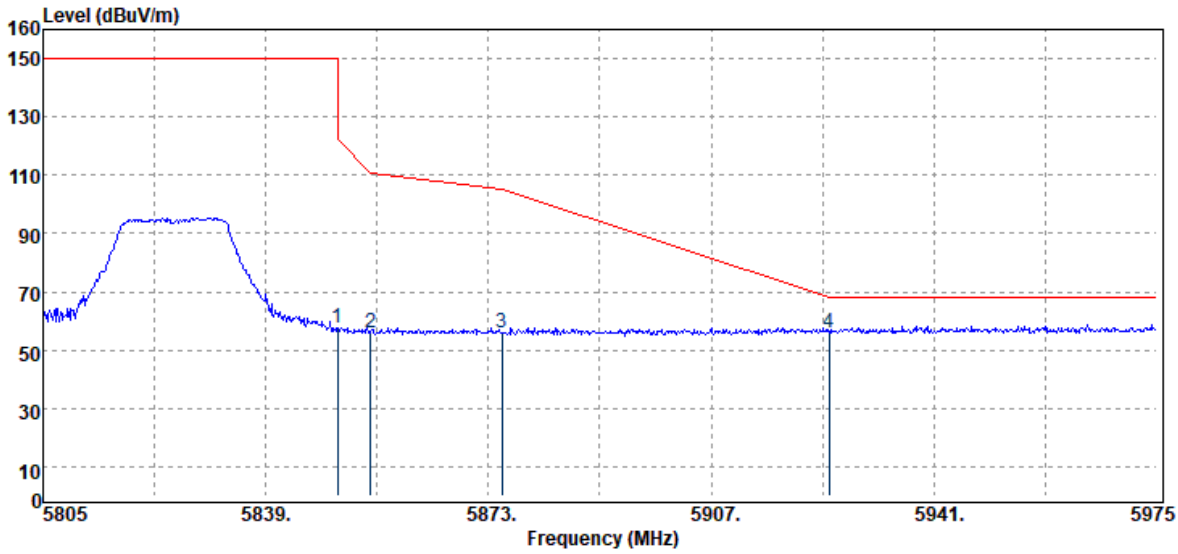
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5825 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.00	Peak	41.85	15.75	57.60	122.20	-64.60
5855.00	Peak	40.37	15.75	56.12	110.80	-54.68
5875.00	Peak	40.15	15.75	55.90	105.20	-49.30
5925.00	Peak	39.83	16.06	55.89	68.20	-12.31

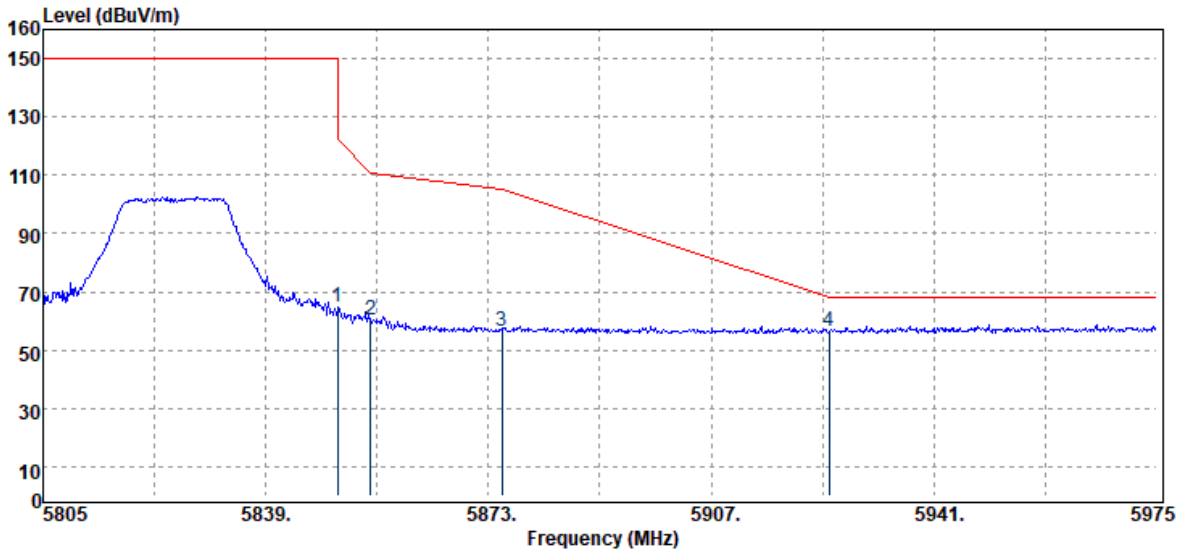
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Report Number :ER/2020/B0093
 Operation Mode :802.11n20
 Test Frequency :5825 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5850.00	Peak	48.85	15.75	64.60	122.20	-57.60
5855.00	Peak	44.40	15.75	60.15	110.80	-50.65
5875.00	Peak	40.52	15.75	56.27	105.20	-48.93
5925.00	Peak	40.50	16.06	56.56	68.20	-11.64

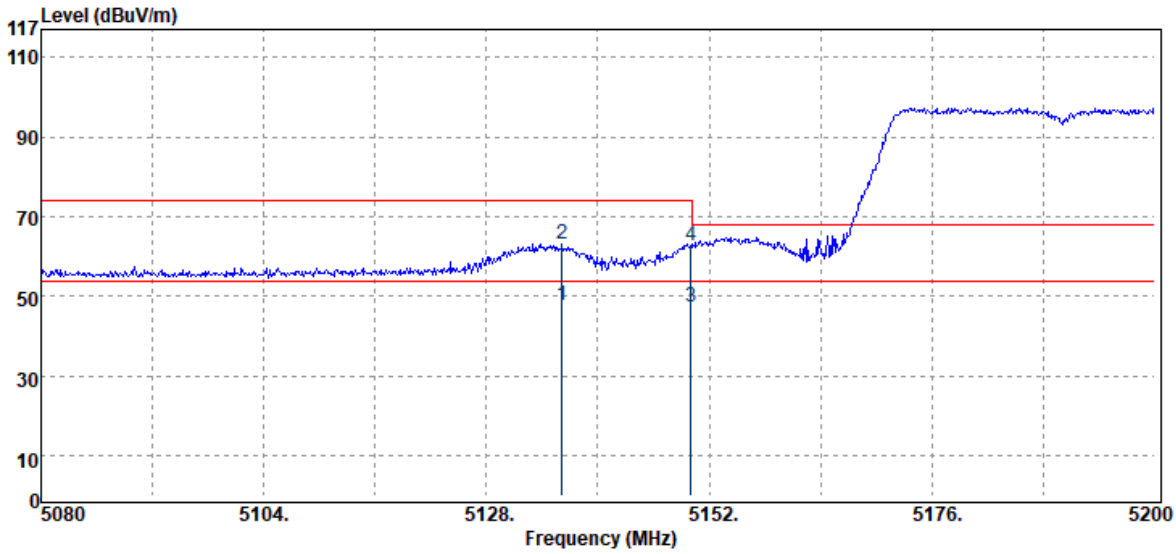
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5190 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5136.16	Average	32.82	14.86	47.68	54.00	-6.32
5136.16	Peak	48.44	14.86	63.30	74.00	-10.70
5150.00	Average	32.59	14.83	47.42	54.00	-6.58
5150.00	Peak	47.84	14.83	62.67	74.00	-11.33

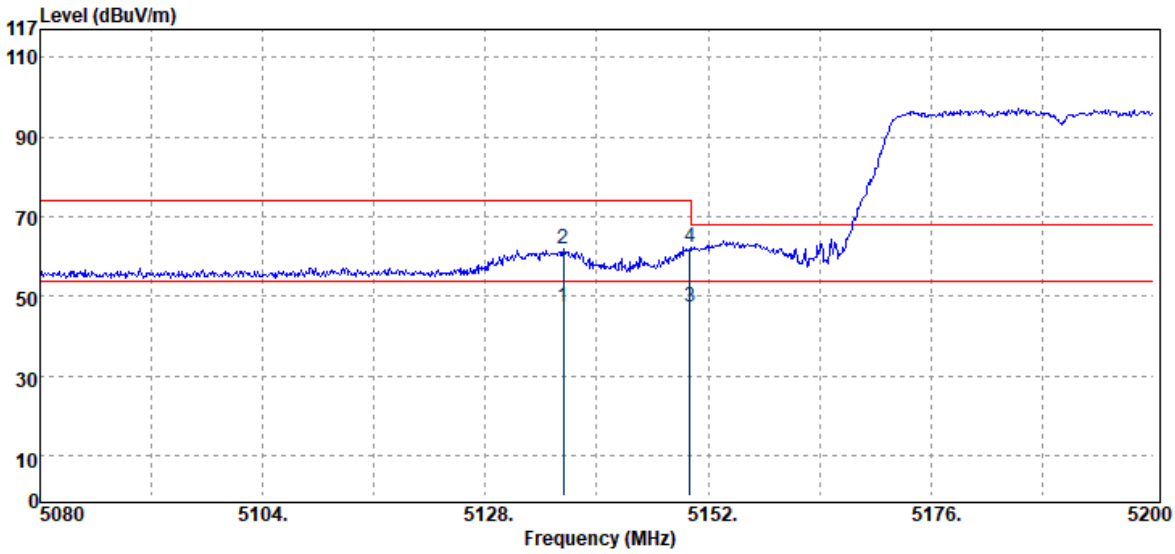
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5190 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5136.40	Average	32.38	14.85	47.23	54.00	-6.77
5136.40	Peak	46.90	14.85	61.75	74.00	-12.25
5150.00	Average	32.43	14.83	47.26	54.00	-6.74
5150.00	Peak	47.39	14.83	62.22	74.00	-11.78

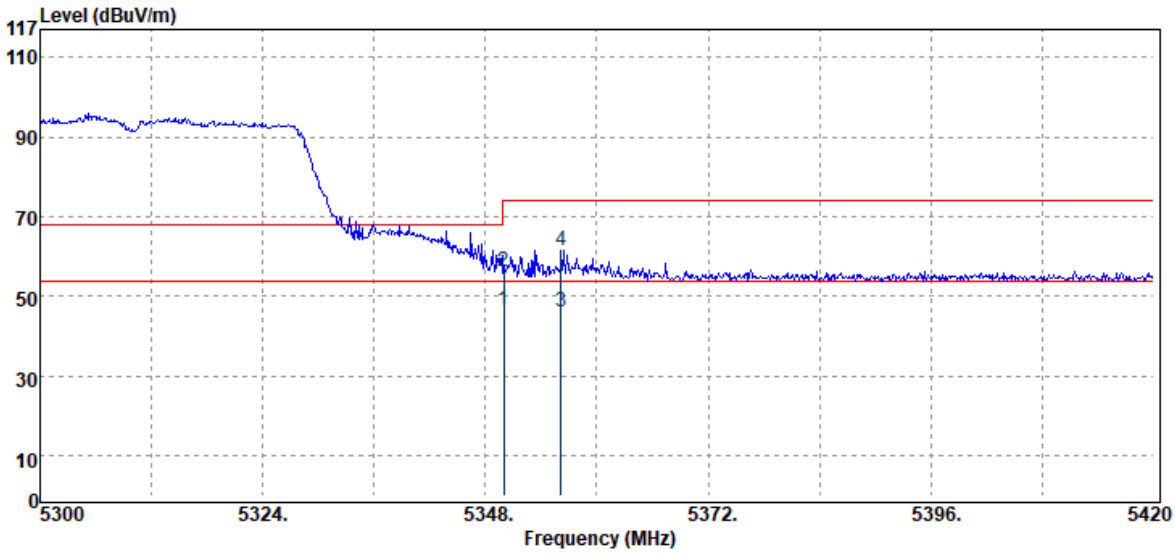
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5310 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5350.00	Average	32.17	14.20	46.37	54.00	-7.63
5350.00	Peak	41.90	14.20	56.10	74.00	-17.90
5356.16	Average	32.06	14.27	46.33	54.00	-7.67
5356.16	Peak	47.47	14.27	61.74	74.00	-12.26

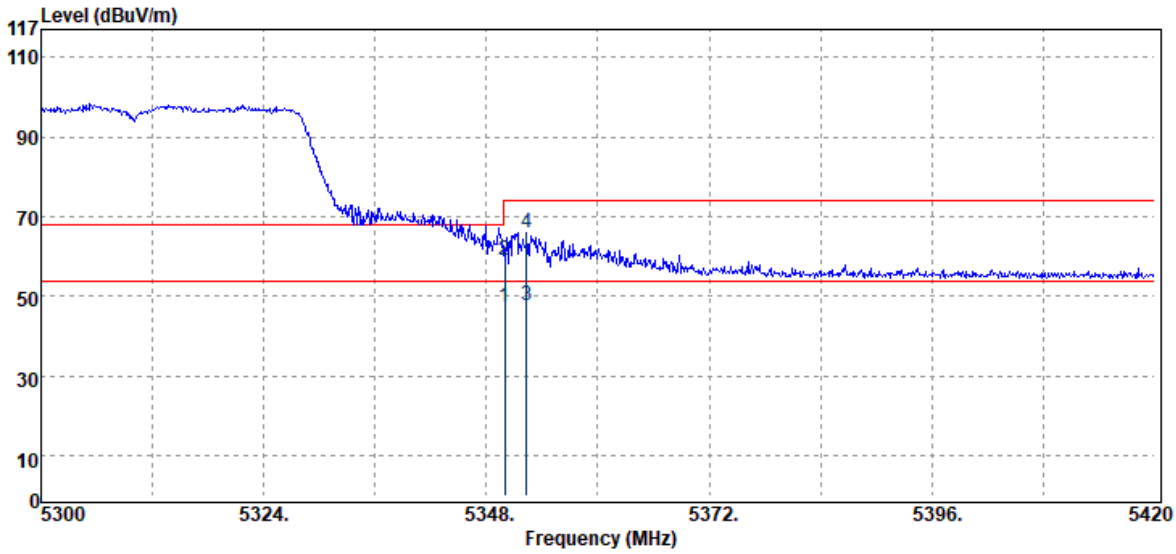
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5310 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5350.00	Average	33.22	14.20	47.42	54.00	-6.58
5350.00	Peak	45.05	14.20	59.25	74.00	-14.75
5352.32	Average	33.41	14.23	47.64	54.00	-6.36
5352.32	Peak	51.81	14.23	66.04	74.00	-7.96

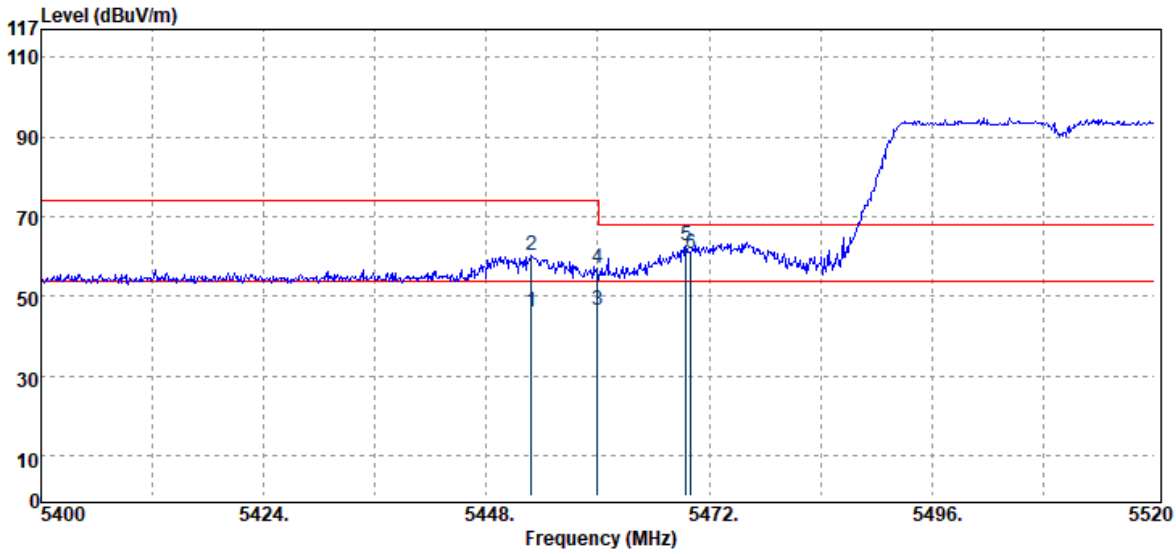
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5510 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-10
 Temp./Humi. :23.4/69
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5452.80	Average	31.55	14.53	46.08	54.00	-7.92
5452.80	Peak	45.61	14.53	60.14	74.00	-13.86
5460.00	Average	31.86	14.57	46.43	54.00	-7.57
5460.00	Peak	42.58	14.57	57.15	74.00	-16.85
5469.48	Peak	48.20	14.62	62.82	68.20	-5.38
5470.00	Peak	45.95	14.61	60.56	68.20	-7.64

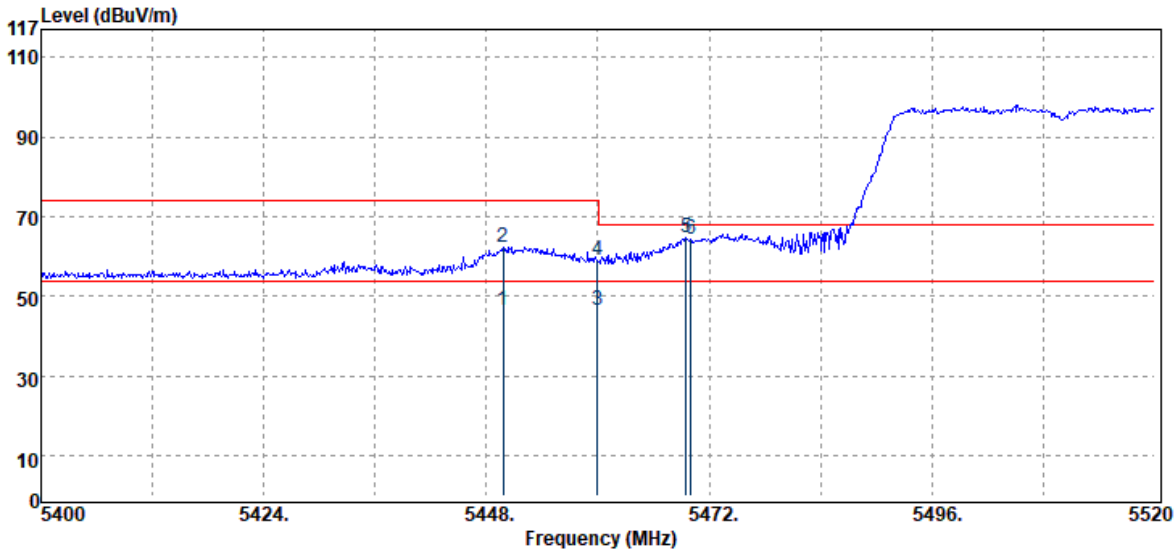
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5510 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-10
 Temp./Humi. :23.4/69
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5449.80	Average	32.11	14.52	46.63	54.00	-7.37
5449.80	Peak	48.03	14.52	62.55	74.00	-11.45
5460.00	Average	32.18	14.57	46.75	54.00	-7.25
5460.00	Peak	44.59	14.57	59.16	74.00	-14.84
5469.48	Peak	50.19	14.62	64.81	68.20	-3.39
5470.00	Peak	49.90	14.61	64.51	68.20	-3.69

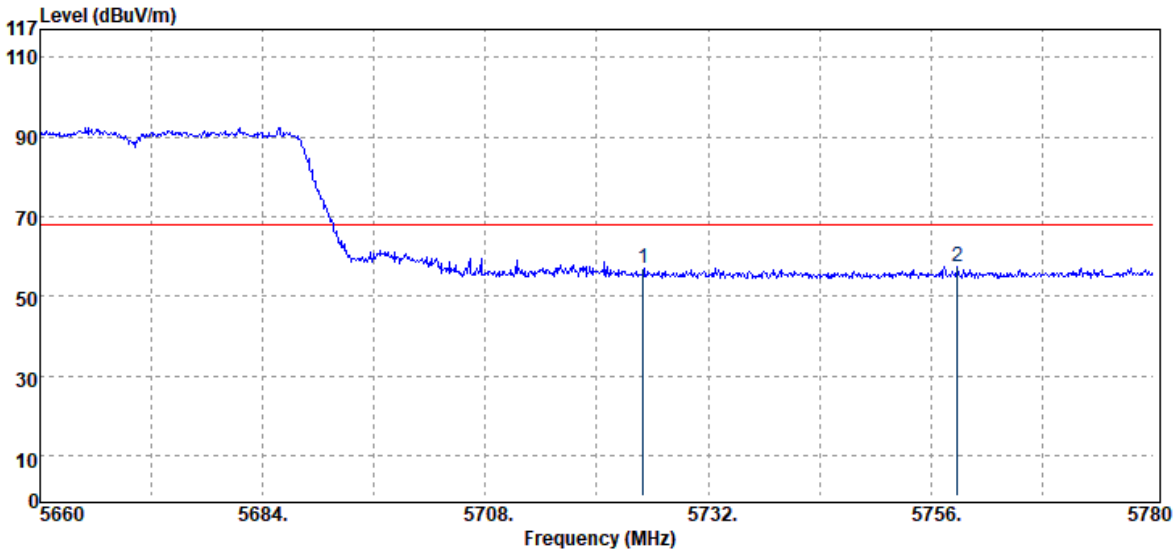
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5670 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5725.00	Peak	41.49	15.48	56.97	68.20	-11.23
5758.88	Peak	41.98	15.59	57.57	68.20	-10.63

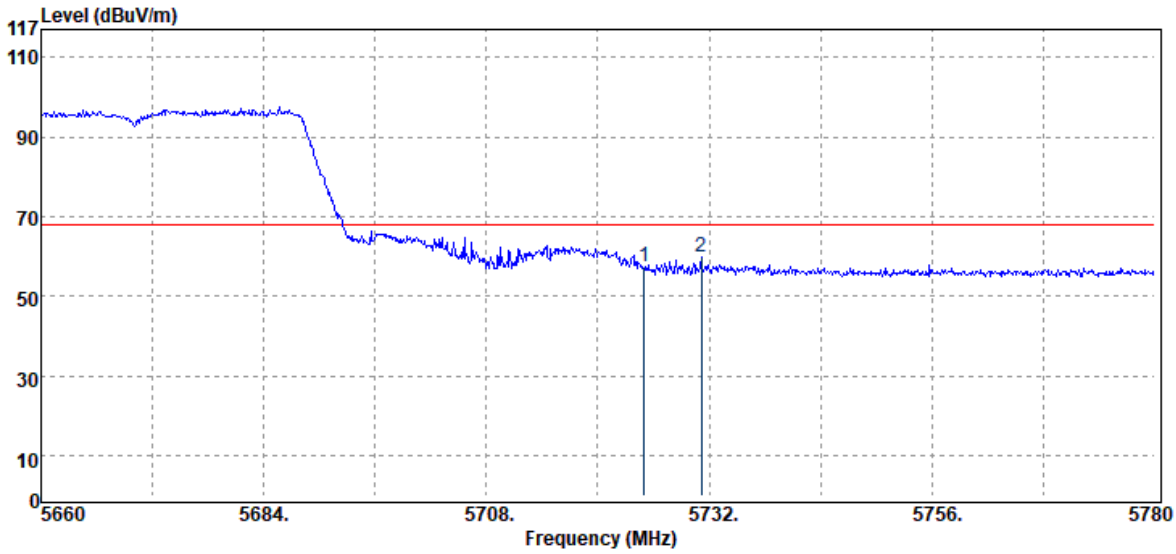
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5670 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
5725.00	Peak	41.87	15.48	57.35	68.20	-10.85
5731.16	Peak	44.40	15.49	59.89	68.20	-8.31

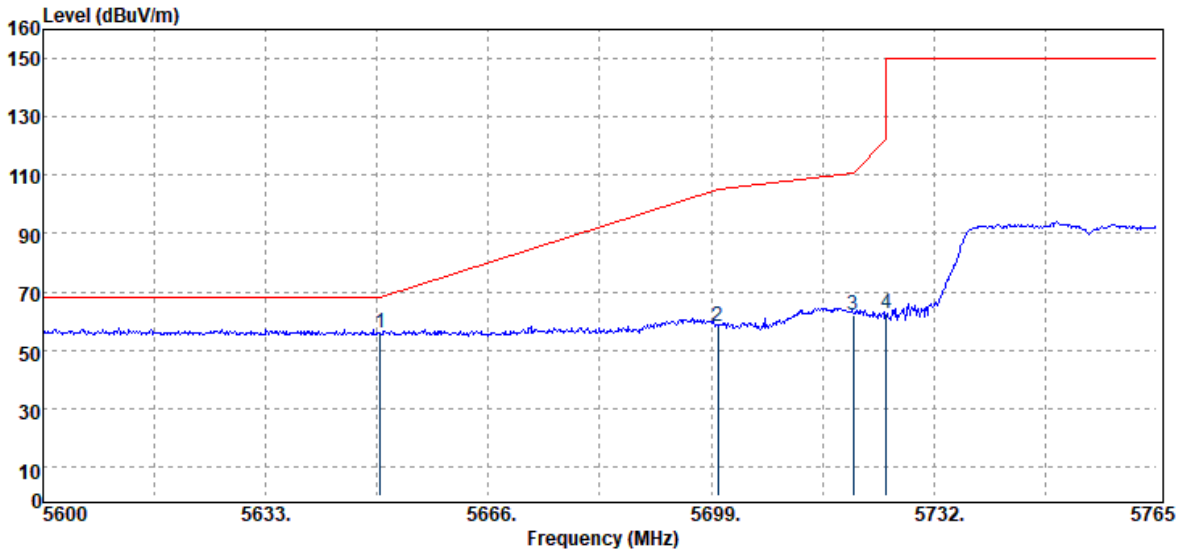
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5755 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5650.00	Peak	40.89	15.16	56.05	68.20	-12.15
5700.00	Peak	42.63	15.42	58.05	105.20	-47.15
5720.00	Peak	46.56	15.47	62.03	110.80	-48.77
5725.00	Peak	47.02	15.48	62.50	122.20	-59.70

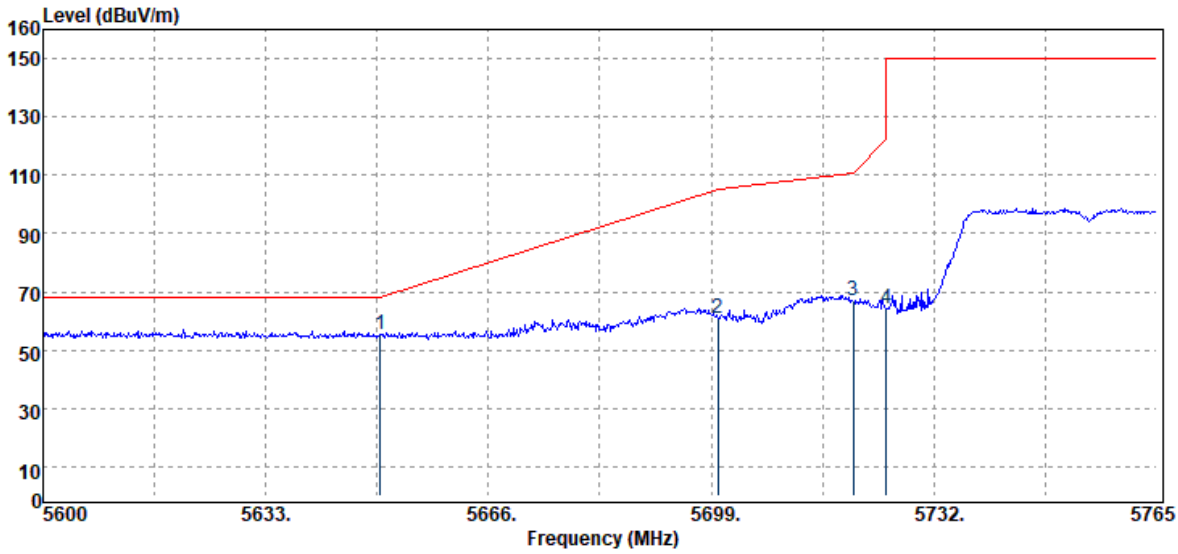
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5755 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5650.00	Peak	40.31	15.16	55.47	68.20	-12.73
5700.00	Peak	45.55	15.42	60.97	105.20	-44.23
5720.00	Peak	51.47	15.47	66.94	110.80	-43.86
5725.00	Peak	48.72	15.48	64.20	122.20	-58.00

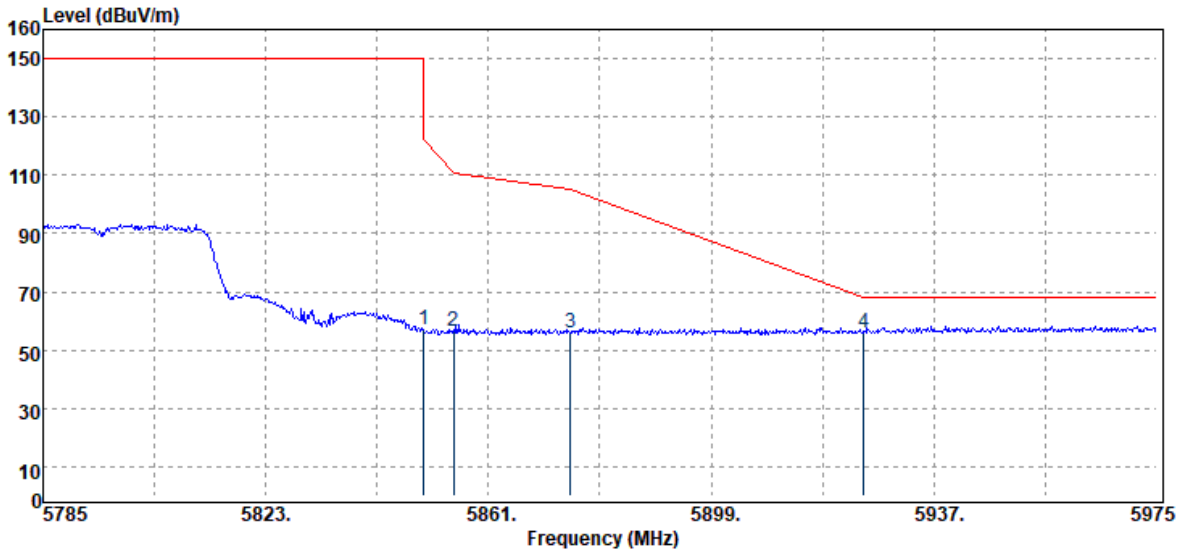
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5795 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.00	Peak	41.22	15.75	56.97	122.20	-65.23
5855.00	Peak	40.91	15.75	56.66	110.80	-54.14
5875.00	Peak	40.44	15.75	56.19	105.20	-49.01
5925.00	Peak	39.76	16.06	55.82	68.20	-12.38

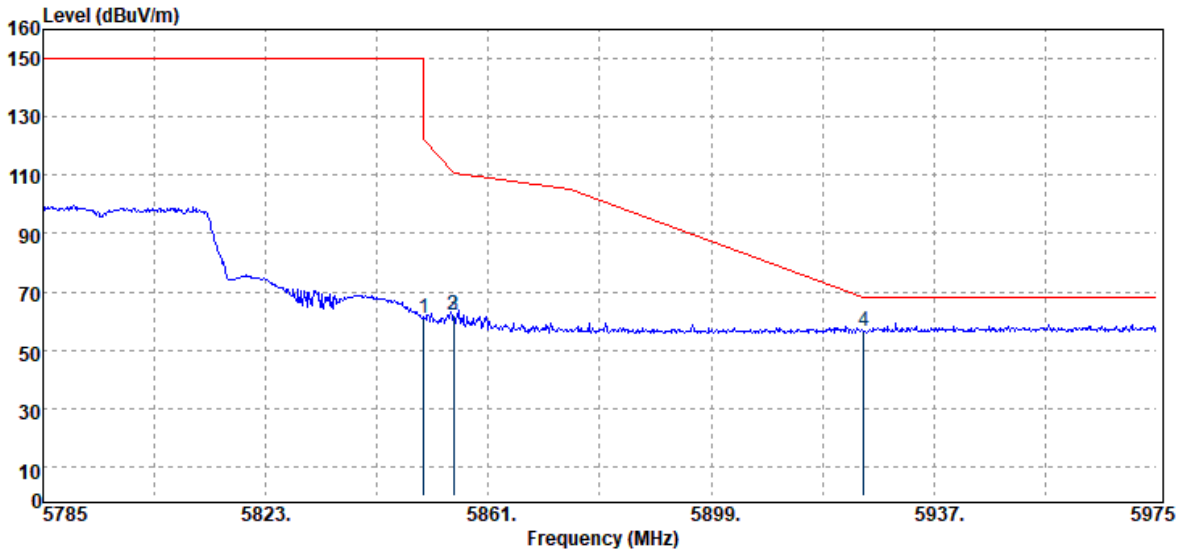
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Report Number :ER/2020/B0093
 Operation Mode :802.11n40
 Test Frequency :5795 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5850.00	Peak	45.13	15.75	60.88	122.20	-61.32
5855.00	Peak	46.35	15.75	62.10	110.80	-48.70
5855.00	Peak	46.35	15.75	62.10	110.80	-48.70
5925.00	Peak	40.48	16.06	56.54	68.20	-11.66

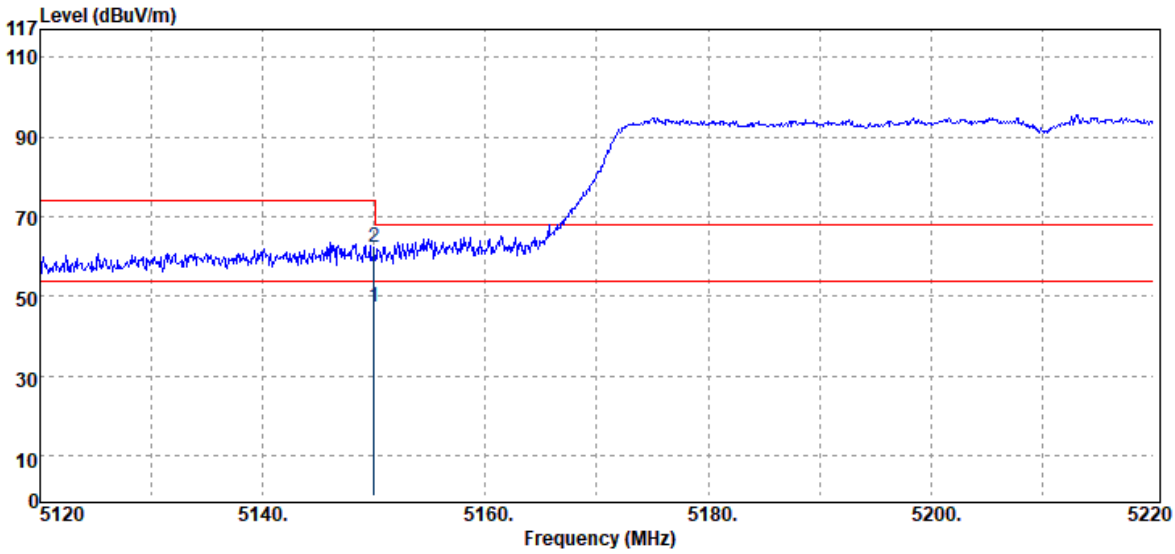
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Report Number :ER/2020/B0093
 Operation Mode :802.11ac80
 Test Frequency :5210 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5150.00	Average	32.64	14.83	47.47	54.00	-6.53
5150.00	Peak	47.48	14.83	62.31	74.00	-11.69

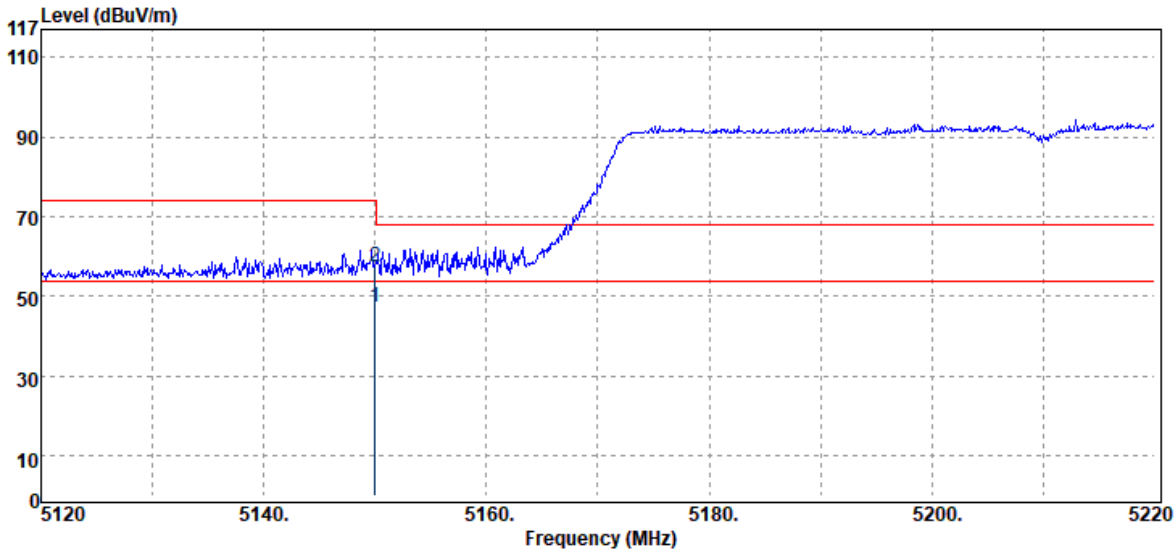
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Report Number :ER/2020/B0093
 Operation Mode :802.11ac80
 Test Frequency :5210 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5150.00	Average	32.47	14.83	47.30	54.00	-6.70
5150.00	Peak	42.80	14.83	57.63	74.00	-16.37

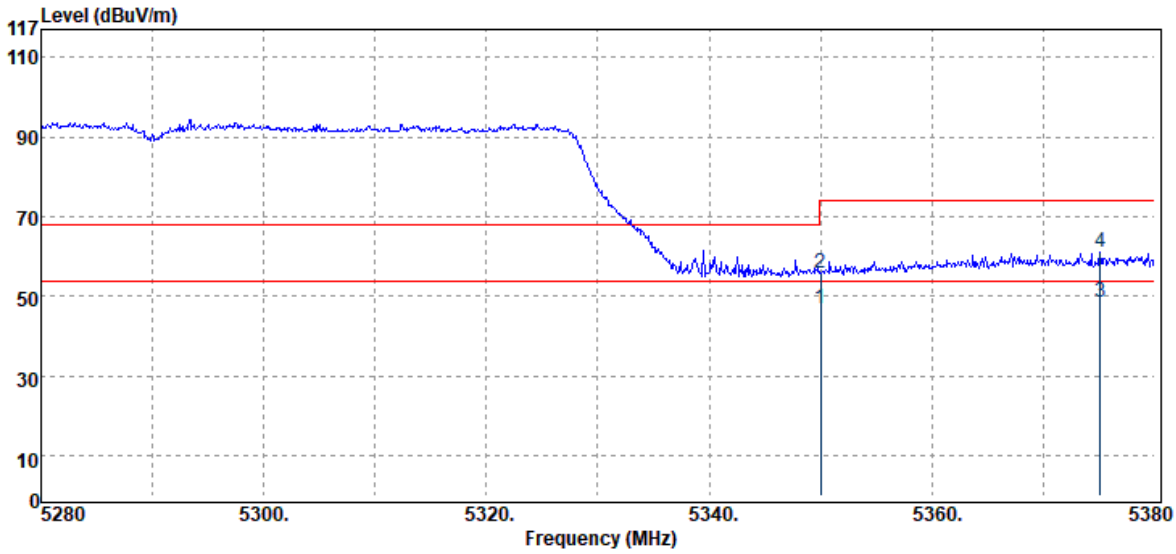
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Report Number :ER/2020/B0093
 Operation Mode :802.11ac80
 Test Frequency :5290 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5350.00	Average	32.90	14.20	47.10	54.00	-6.90
5350.00	Peak	41.75	14.20	55.95	74.00	-18.05
5375.10	Average	34.13	14.44	48.57	54.00	-5.43
5375.10	Peak	46.60	14.44	61.04	74.00	-12.96

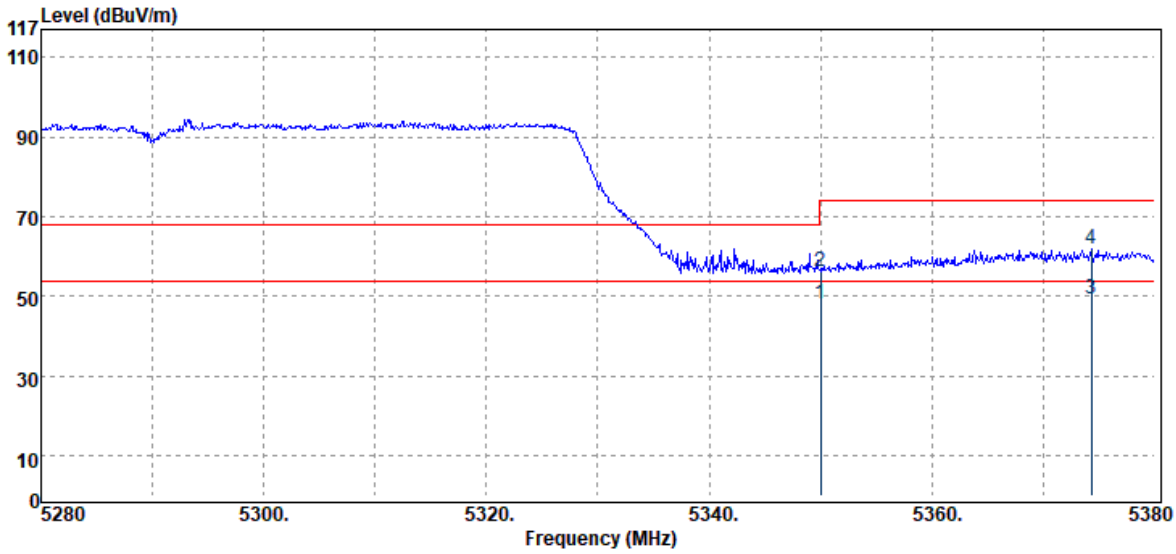
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Report Number :ER/2020/B0093
 Operation Mode :802.11ac80
 Test Frequency :5290 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5350.00	Average	33.84	14.20	48.04	54.00	-5.96
5350.00	Peak	41.99	14.20	56.19	74.00	-17.81
5374.30	Average	35.14	14.44	49.58	54.00	-4.42
5374.30	Peak	47.44	14.44	61.88	74.00	-12.12

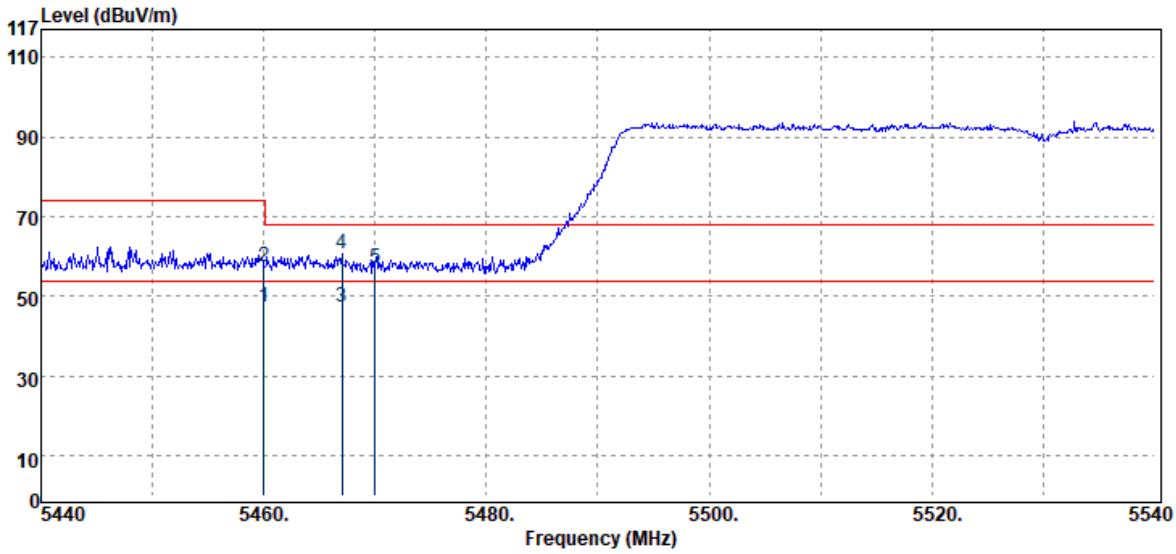
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Report Number :ER/2020/B0093
 Operation Mode :802.11ac80
 Test Frequency :5530 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5460.00	Average	32.96	14.57	47.53	54.00	-6.47
5460.00	Peak	43.07	14.57	57.64	74.00	-16.36
5467.00	Average	32.91	14.61	47.52	54.00	-6.48
5467.00	Peak	46.06	14.61	60.67	68.20	-7.53
5470.00	Peak	42.32	14.61	56.93	68.20	-11.27

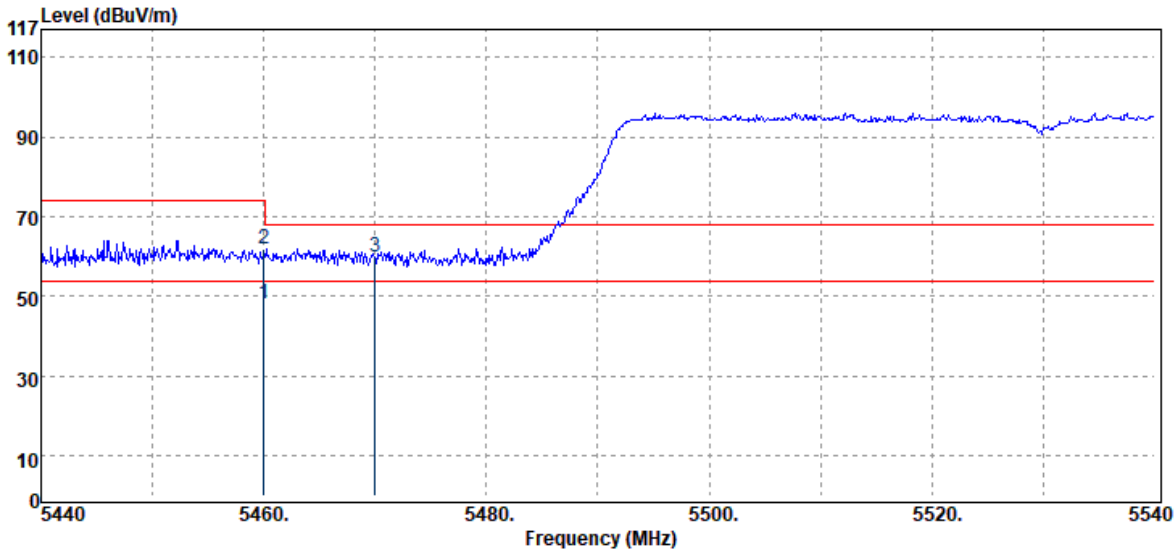
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Report Number :ER/2020/B0093
 Operation Mode :802.11ac80
 Test Frequency :5530 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5460.00	Average	33.59	14.57	48.16	54.00	-5.84
5460.00	Peak	47.30	14.57	61.87	74.00	-12.13
5470.00	Peak	45.45	14.61	60.06	68.20	-8.14

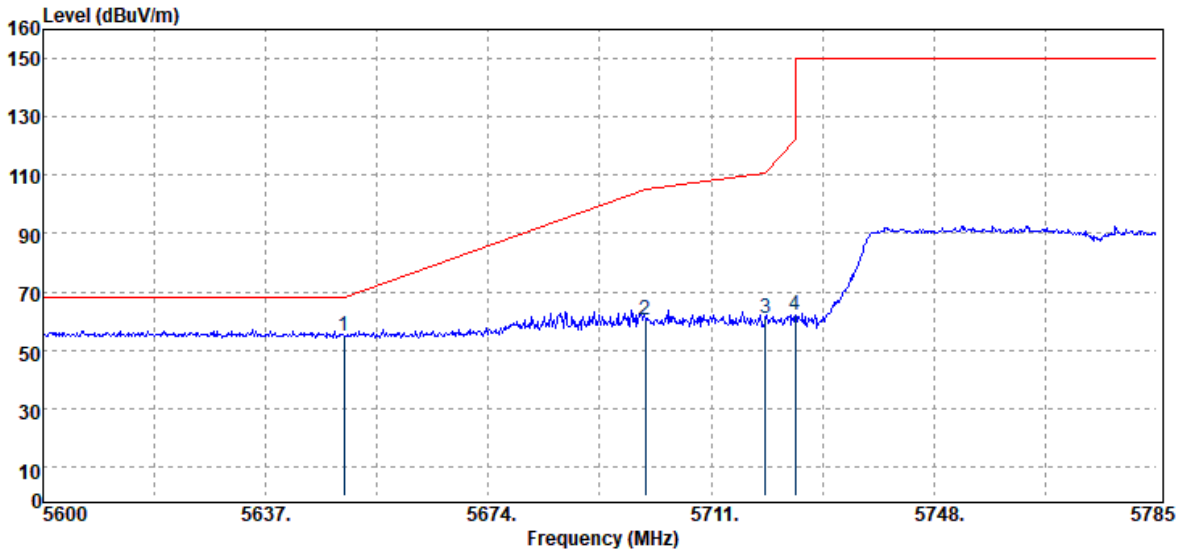
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Report Number :ER/2020/B0093
 Operation Mode :802.11ac80
 Test Frequency :5775 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5650.00	Peak	39.85	15.16	55.01	68.20	-13.19
5700.00	Peak	44.84	15.42	60.26	105.20	-44.94
5720.00	Peak	45.33	15.47	60.80	110.80	-50.00
5725.00	Peak	46.55	15.48	62.03	122.20	-60.17

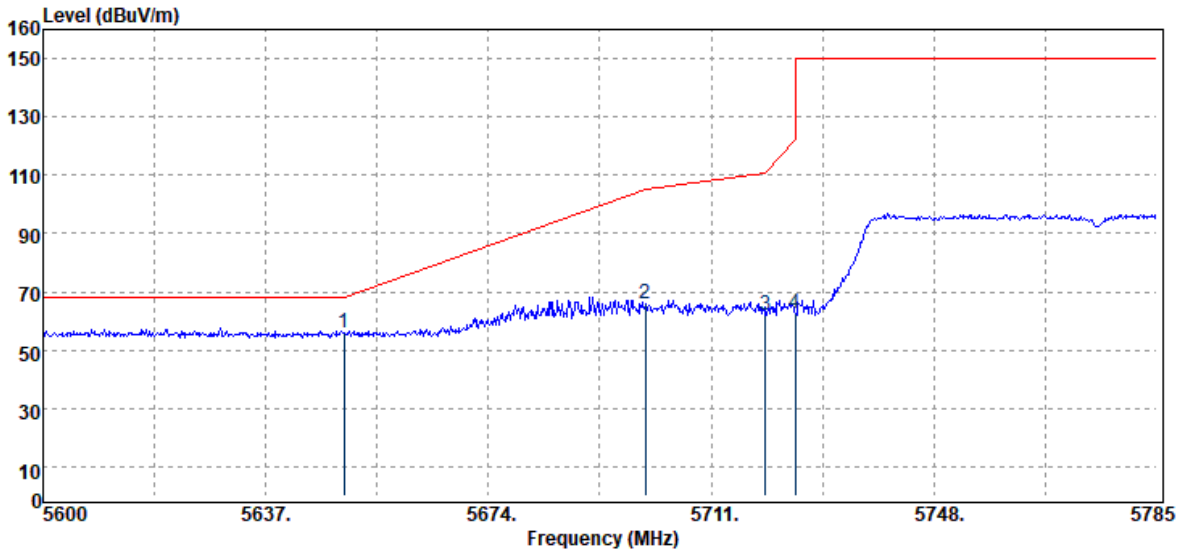
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Report Number :ER/2020/B0093
 Operation Mode :802.11ac80
 Test Frequency :5775 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5650.00	Peak	40.79	15.16	55.95	68.20	-12.25
5700.00	Peak	50.58	15.42	66.00	105.20	-39.20
5720.00	Peak	46.64	15.47	62.11	110.80	-48.69
5725.00	Peak	47.01	15.48	62.49	122.20	-59.71

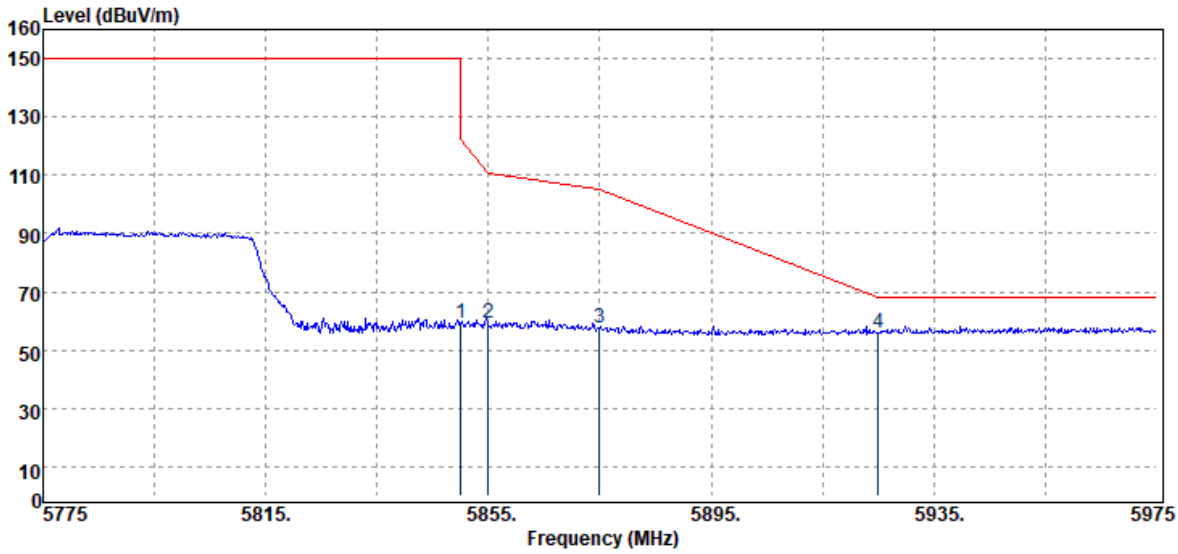
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Report Number :ER/2020/B0093
 Operation Mode :802.11ac80
 Test Frequency :5775 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5850.00	Peak	43.65	15.75	59.40	122.20	-62.80
5855.00	Peak	43.56	15.75	59.31	110.80	-51.49
5875.00	Peak	41.62	15.75	57.37	105.20	-47.83
5925.00	Peak	39.98	16.06	56.04	68.20	-12.16

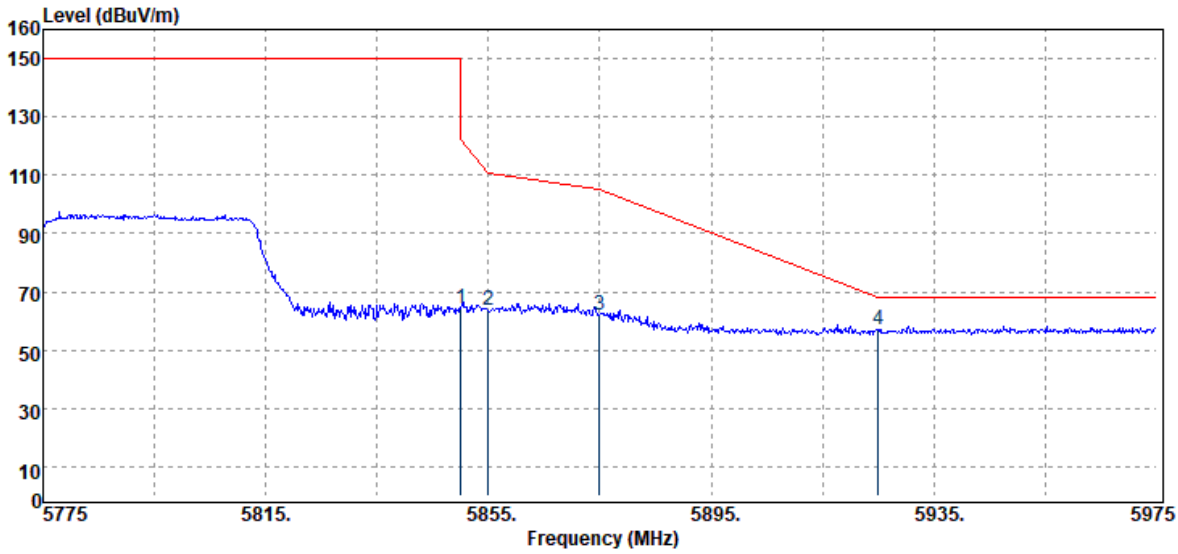
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Report Number :ER/2020/B0093
 Operation Mode :802.11ac80
 Test Frequency :5775 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2020-12-08
 Temp./Humi. :24.1/67
 Antenna Pol. :HORIZONTAL
 Engineer :Neo



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5850.00	Peak	48.24	15.75	63.99	122.20	-58.21
5855.00	Peak	47.67	15.75	63.42	110.80	-47.38
5875.00	Peak	46.25	15.75	62.00	105.20	-43.20
5925.00	Peak	40.70	16.06	56.76	68.20	-11.44

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12 TRANSMISSION IN THE ABSENCE OF DATA

12.1 Standard Applicable

According to §15.407(c)

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

12.2 Result

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ASK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

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13 FREQUENCY STABILITY

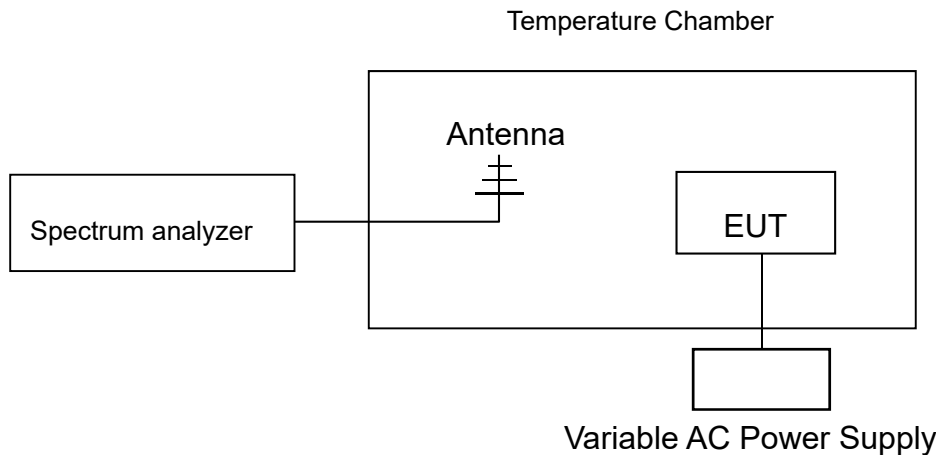
13.1 Standard Applicable

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

13.2 Measurement Procedure

1. The EUT was placed inside temperature chamber and powered and powered by nominal DC voltage.
2. Set EUT as normal operation.
3. Turn the EUT on and couple its output to spectrum.
4. Turn the EUT off and set the chamber to the highest temperature specified.
5. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT and measure the operating frequency.
6. Repeat step with the temperature chamber set to the lowest temperature.

13.3 Test SET-UP



13.4 Measurement Equipment Used:

SGS Conducted Room					
Name of Equip-ment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
DC Power Supply	Agilent	E3640A	MY40000811	12/23/2019	12/22/2020
EXM Spectrum An-alyzer	KEYSIGHT	N9010B	MY59071571	06/27/2020	06/26/2021
Attenuator	Mini-Circuit	BW-S10W2+	2	01/02/2020	01/01/2021
DC Block	Mini-Circuits	BLK-18-S+	1	01/02/2020	01/01/2021

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13.5 Measurement Result

Start up

Operation Mode	802.11 a	Test Date	2020.11.20
Temperature	23.6	Test By	Bob
Humidity			64

Test Temp.(°C)	Test Voltage(V)	Channel	Frequency (MHz)	Measured Frequency (MHz)	ΔFrequency (ppm)
35	4	36	5180	5,180.09700	18.73
	3.7	36	5180	5,180.08900	17.18
25	3.85	36	5180	5,180.05000	9.65
5	4	36	5180	5,179.97800	-4.25
	3.7	36	5180	5,179.93300	-12.93

2 minutes

Operation Mode	802.11 a	Test Date	2020.11.20
Temperature	23.6	Test By	Bob
Humidity			64

Test Temp.(°C)	Test Voltage(V)	Channel	Frequency (MHz)	Measured Frequency (MHz)	ΔFrequency (ppm)
35	4	36	5180	5,180.08700	16.80
	3.7	36	5180	5,180.08400	16.22
25	3.85	36	5180	5,180.07100	13.71
5	4	36	5180	5,179.96600	-6.56
	3.7	36	5180	5,179.94800	-10.04

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5 minutes

Operation Mode	802.11 a	Test Date	2020.11.20
Temperature	23.6	Test By	Bob
Humidity			64

Test Temp.(°C)	Test Voltage(V)	Channel	Frequency (MHz)	Measured Frequency (MHz)	ΔFrequency (ppm)
35	4	36	5180	5,180.10000	19.31
	3.7	36	5180	5,180.08600	16.60
25	3.85	36	5180	5,180.07000	13.51
5	4	36	5180	5,179.94900	-9.85
	3.7	36	5180	5,179.99200	-1.54

10 minutes

Operation Mode	802.11 a	Test Date	2020.11.20
Temperature	23.6	Test By	Bob
Humidity			64

Test Temp.(°C)	Test Voltage(V)	Channel	Frequency (MHz)	Measured Frequency (MHz)	ΔFrequency (ppm)
35	4	36	5180	5,180.09700	18.73
	3.7	36	5180	5,180.06500	12.55
25	3.85	36	5180	5,180.03300	6.37
5	4	36	5180	5,179.94100	-11.39
	3.7	36	5180	5,179.90600	-18.15

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14 ANTENNA REQUIREMENT

14.1 Standard Applicable

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

According to §15.407, If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

14.2 Antenna Connected Construction

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

~ End of Report ~

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