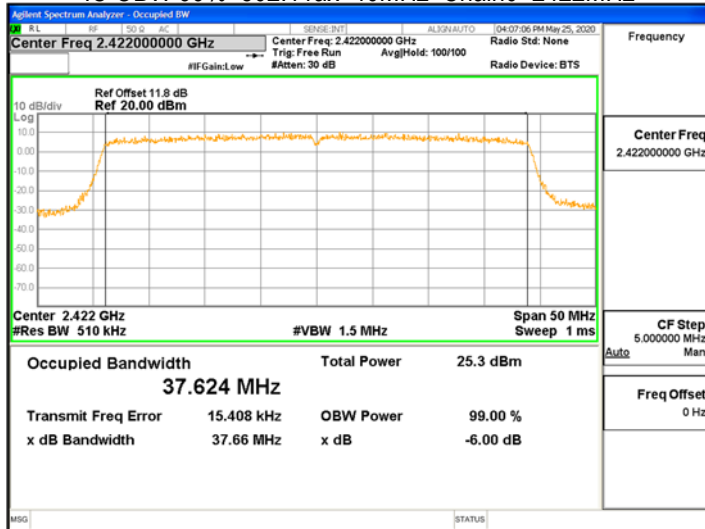
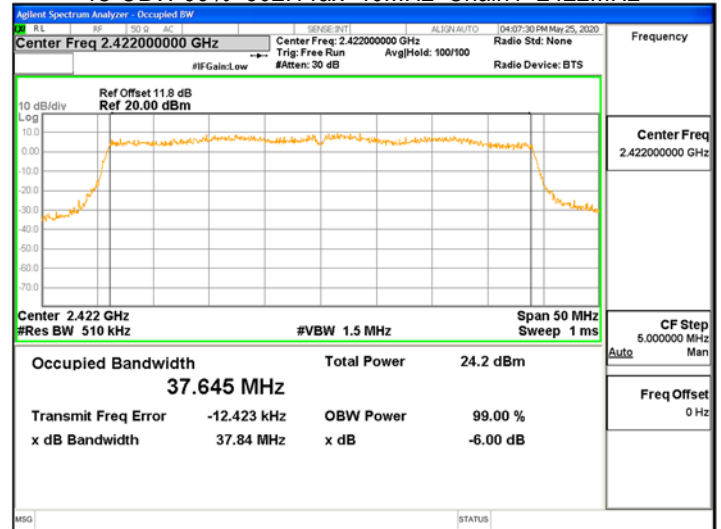


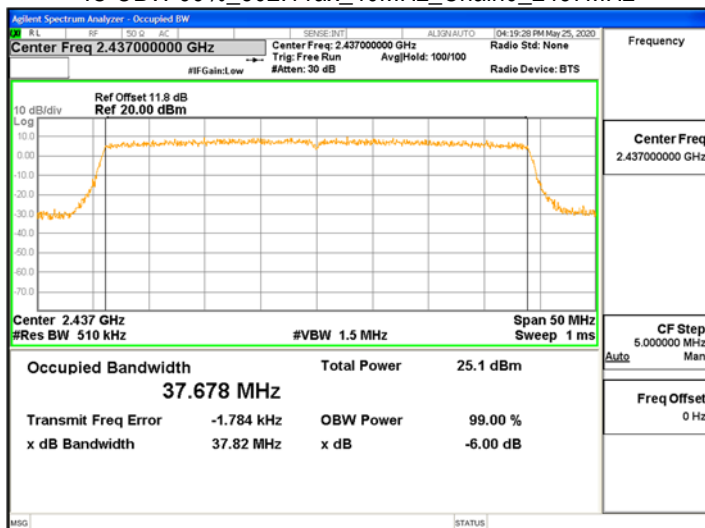
IC OBW 99% 802.11ax 40MHz Chain0 2422MHz



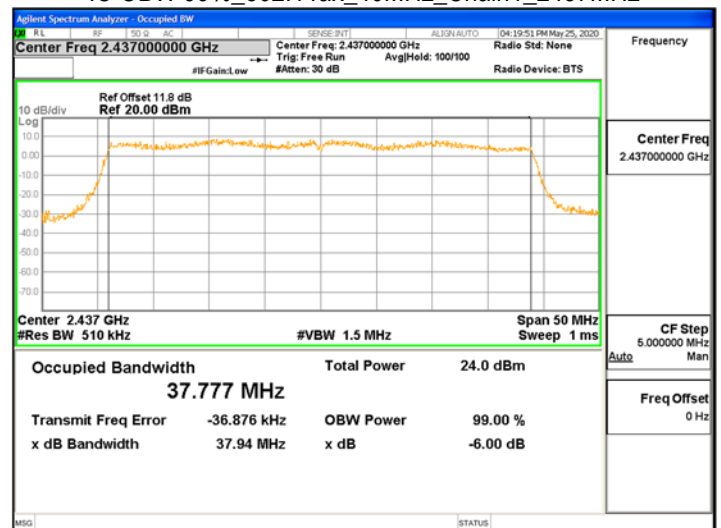
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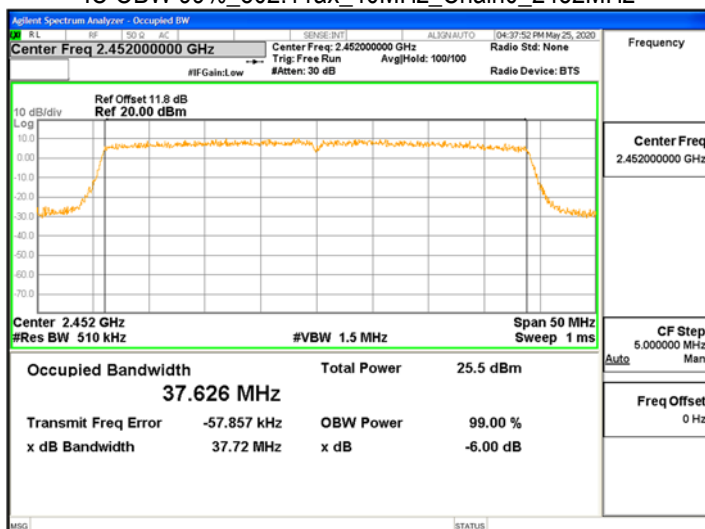
IC OBW 99% 802.11ax 40MHz Chain0 2437MHz



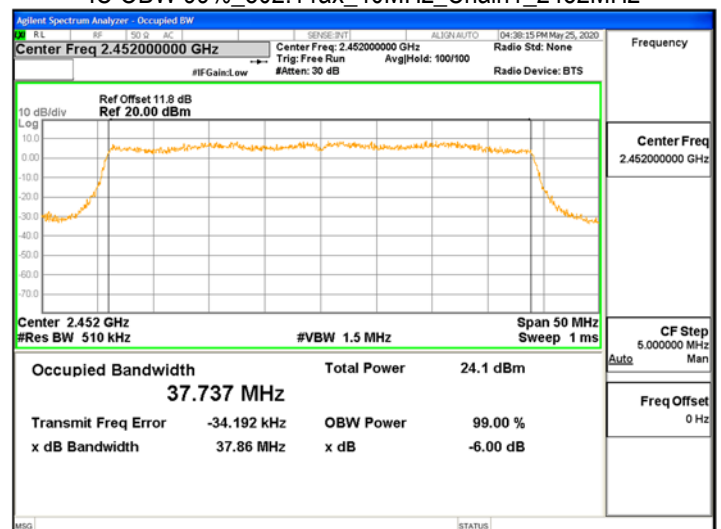
IC OBW 99% 802.11ax 40MHz Chain1 2437MHz



IC OBW 99% 802.11ax 40MHz Chain0 2452MHz



IC OBW 99% 802.11ax 40MHz Chain1 2452MHz



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10 CONDUCTED BAND EDGES AND SPURIOUS EMISSION MEASUREMENT

10.1 Standard Applicable

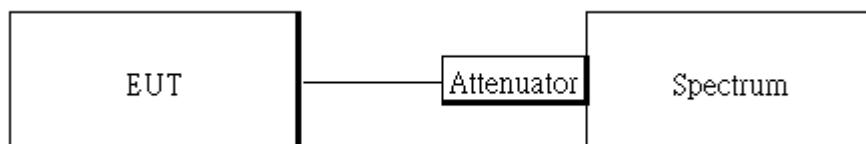
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a) & RSS-Gen §8.10, must also comply with the radiated emission limits specified in §15.209(a) & RSS-Gen §8.9.

10.2 Measurement Equipment Used

Conducted Emission Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EXA Spectrum Analyzer	Agilent	N9010A	MY50420195	05/06/2020	05/05/2021
DC Power Supply	Agilent	E3640A	MY40005907	10/22/2019	10/21/2020
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

10.3 Test SET-UP



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10.4 Measurement Procedure

Reference Level of Emission Limit:

1. Set analyzer center frequency to DTS channel center frequency.
2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
3. Set the span to 1.5 times the DTS channel bandwidth.
4. Set the RBW = 100kHz & VBW = 300 kHz.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.
10. MIMO mode: offset is set following “measure and add 10 Log (N)” on spectrum for MIMO mode.
Offset = cable loss + 10 log (N), where N is number of transmitting antenna.

Conducted Band Edge:

1. To connect Antenna Port of EUT to Spectrum.
2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
4. Set start to edge frequency, and stop frequency of spectrum analyzer so as to encompass the spectrum to be examined.
5. Set the spectrum analyzer as RBW=100 kHz, VBW=300 kHz, Detector = Peak, Sweep = auto
6. Mark the highest reading of the emission as the reference level measurement.
7. Set DL as the limit = reading on marker 1 – 20dBm
8. Marker on frequency, 2.3999GHz and 2.4836GHz, and examine shall 100 kHz immediately outside the authorized (2400~2483.5) be attenuated by 20dB at least relative to the maximum emission of power.
9. Repeat above procedures until all default test channel (low, middle, and high) was complete.
10. MIMO mode: offset is set following “measure and add 10 Log (N)” on spectrum for MIMO mode. Offset = cable loss + 10 log (N), where N is number of transmitting antenna.

Conducted Spurious Emission:

1. To connect Antenna Port of EUT to Spectrum
2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
3. Set RBW = 100 kHz & VBW= 300 kHz, Detector =Peak, Sweep = Auto.
4. Allow trace to fully stabilize.
5. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.
6. Repeat above procedures until all default test channel measured were complete.
7. MIMO mode: offset is set following “measure and add 10 Log (N)” on spectrum for MIMO mode.
Offset = cable loss + 10 log (N), where N is number of transmitting antenna.

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Note:

For the test at MIMO mode, the highest emission of worst case employing Measure and add 10 log (N) technical is reported on this report after the comparison between Main Antenna at single transmitting mode and Aux that yields the higher value. The MIMO transmitting mode produces higher value of outcome.

10.5 Measurement Result

Reference Level of Limit 802.11b mode			Reference Level of Limit 802.11g mode		
Freq. (MHz)	PSD (dBm)	Reference Level of Limit (dBm)	Freq. (MHz)	PSD (dBm)	Reference Level of Limit (dBm)
2412	12.01	-7.99	2412	9.43	-10.57
2437	11.49	-8.51	2437	9.16	-10.84
2462	11.14	-8.86	2462	9.70	-10.30

Reference Level of Limit 802.11n20 mode			Reference Level of Limit 802.11ax20 mode			
Freq. (MHz)	PSD (dBm)	Reference Level of Limit (dBm)	Freq. (MHz)	RU config.	PSD (dBm)	Reference Level of Limit (dBm)
2412	10.11	-9.89	2412	full	8.99	-11.01
2437	8.70	-11.30	2437	full	8.53	-11.47
2462	9.79	-10.21	2462	full	9.70	-10.30

Reference Level of Limit 802.11n40 MODE			Reference Level of Limit 802.11ax40 MODE			
Freq. (MHz)	PSD (dBm)	Reference Level of Limit (dBm)	Freq. (MHz)	RU config.	PSD (dBm)	Reference Level of Limit (dBm)
2422	6.06	-13.94	2422	full	6.21	-13.79
2437	6.18	-13.82	2437	full	6.13	-13.87
2452	6.7	-13.30	2452	full	6.41	-13.59

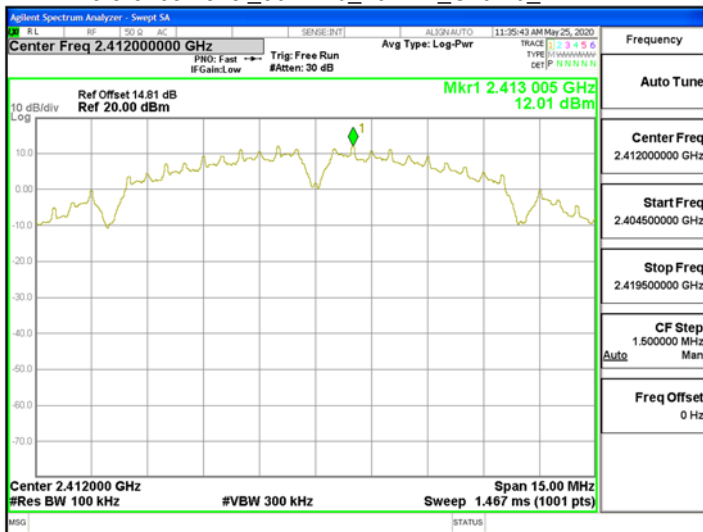
Note

Cable Loss 11.80 dB

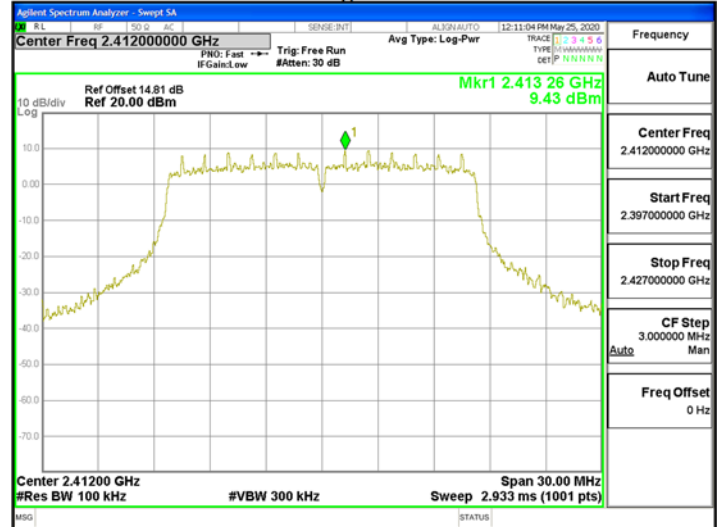
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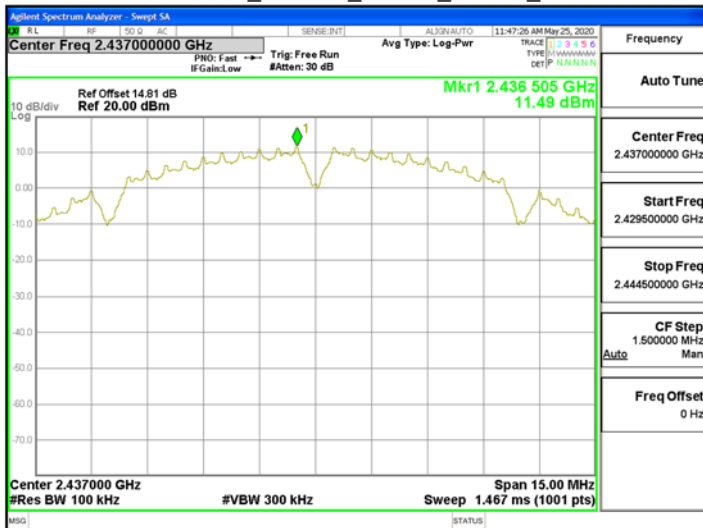
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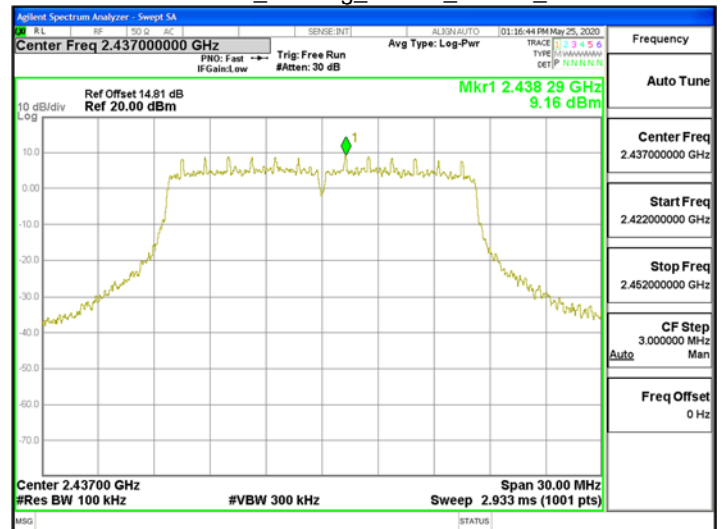
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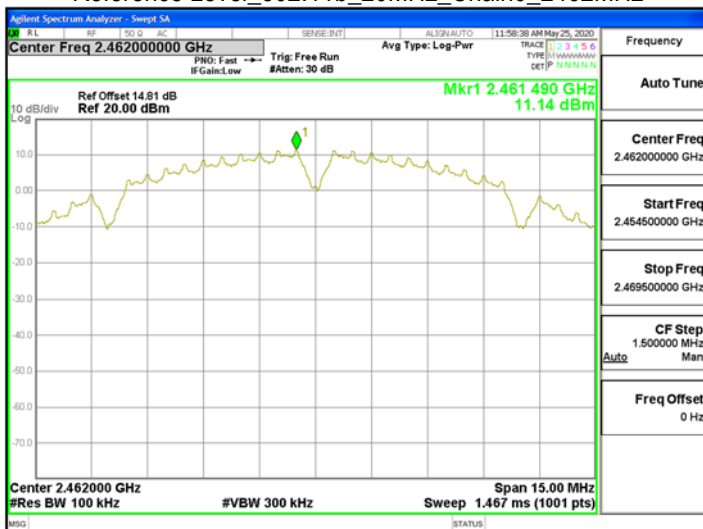
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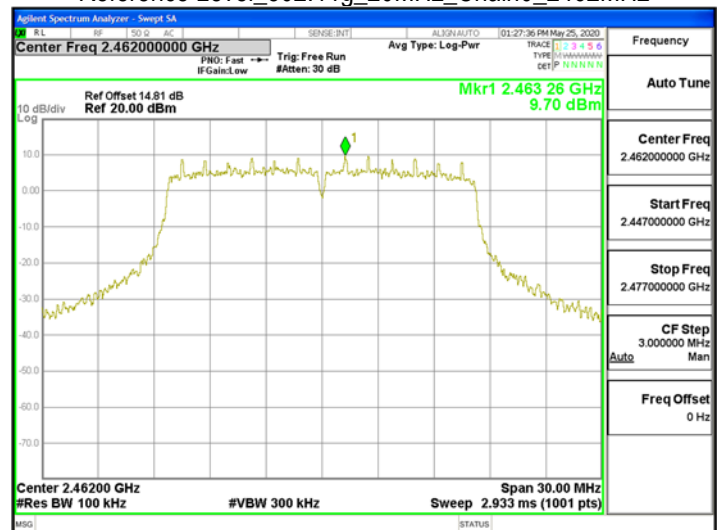
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Reference Level_802.11b_20MHz_Chain0_2462MHz



Reference Level_802.11g_20MHz_Chain0_2462MHz

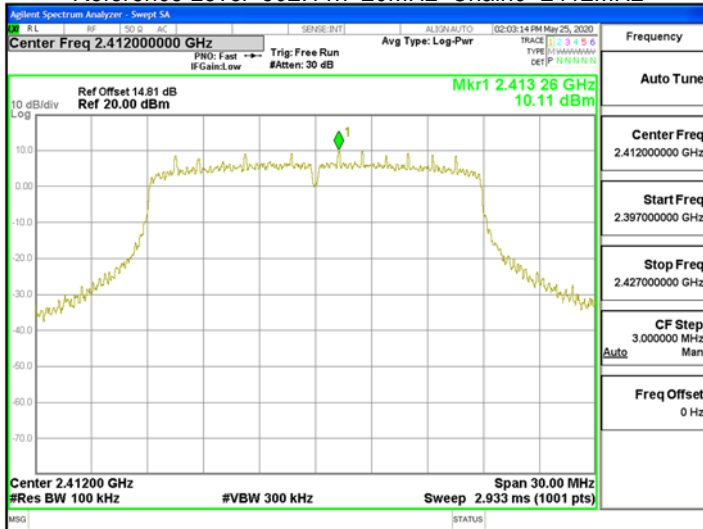


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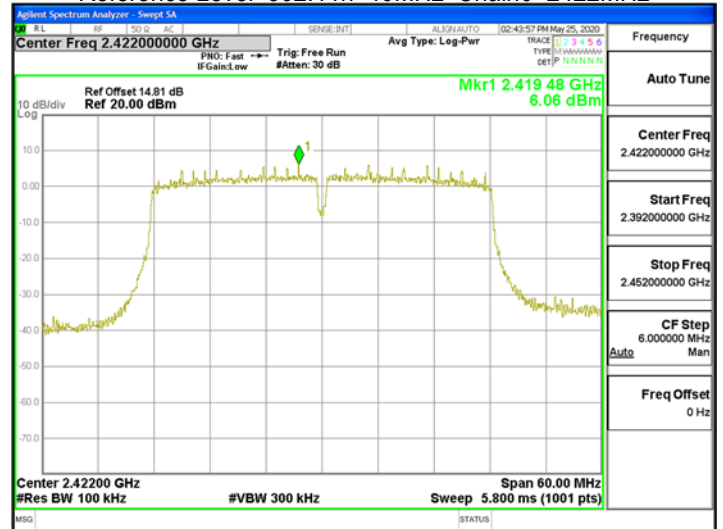
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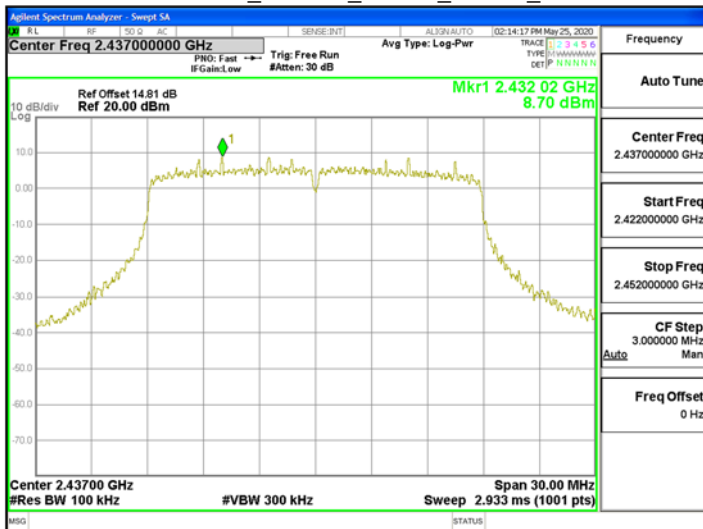
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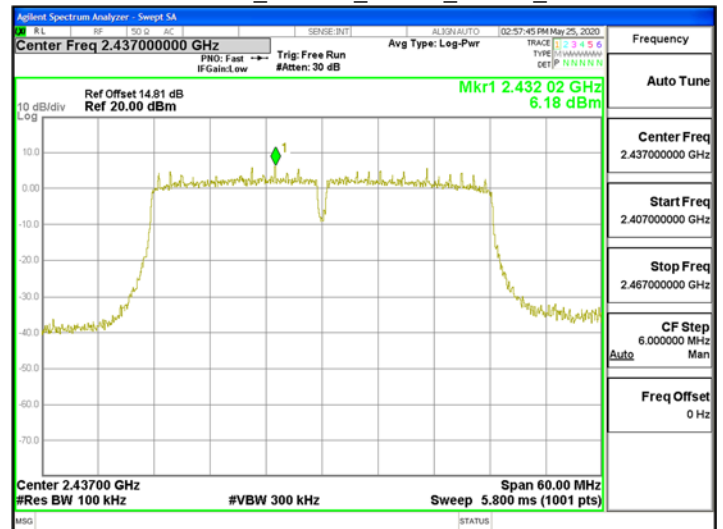
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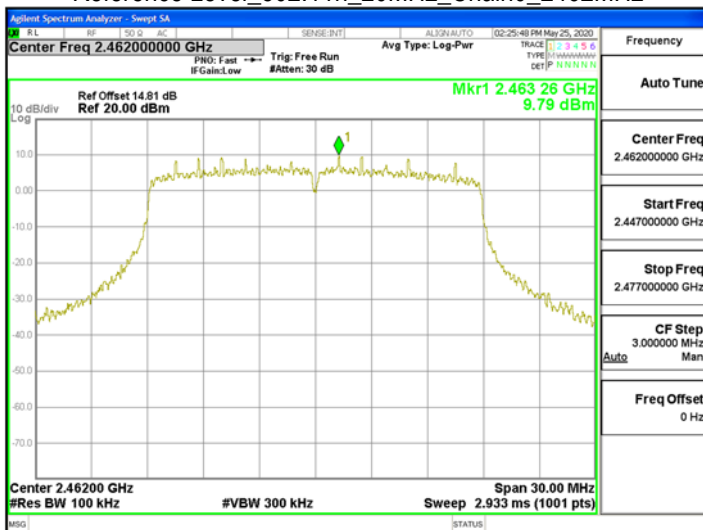
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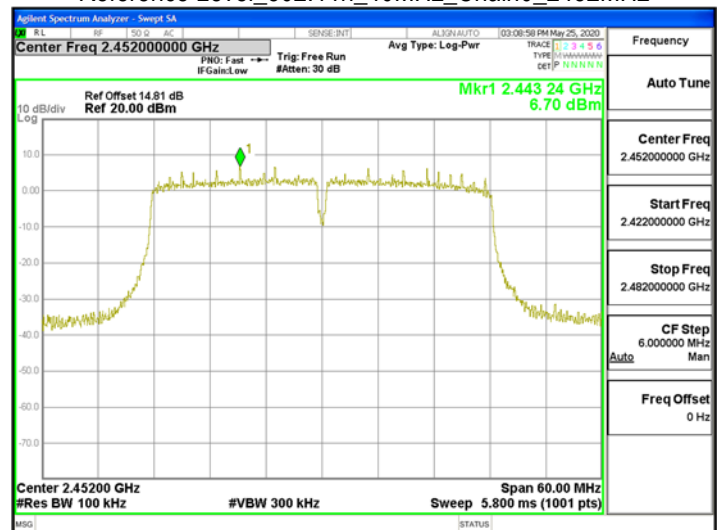
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Reference Level 802.11n 20MHz Chain0 2462MHz



Reference Level 802.11n 40MHz Chain0 2452MHz

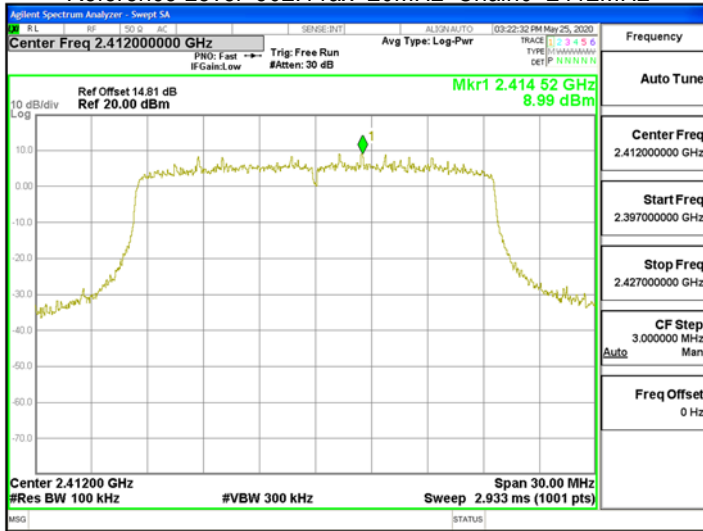


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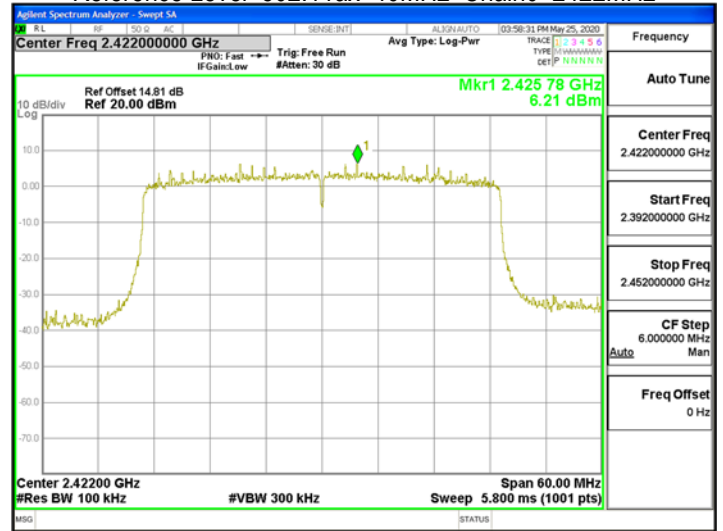
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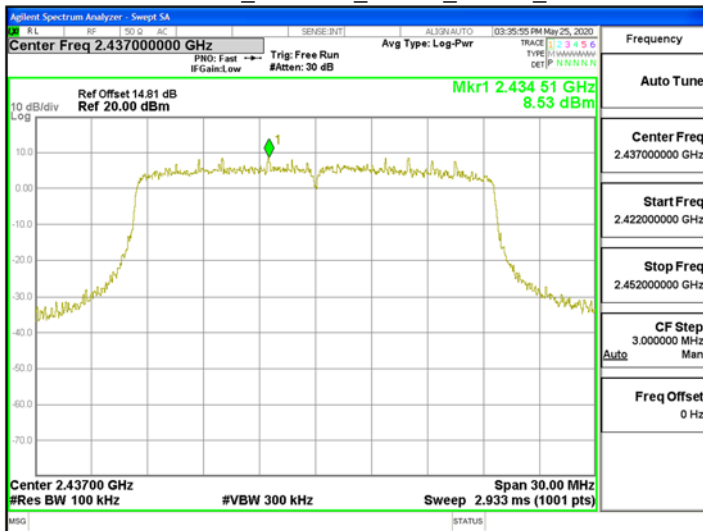
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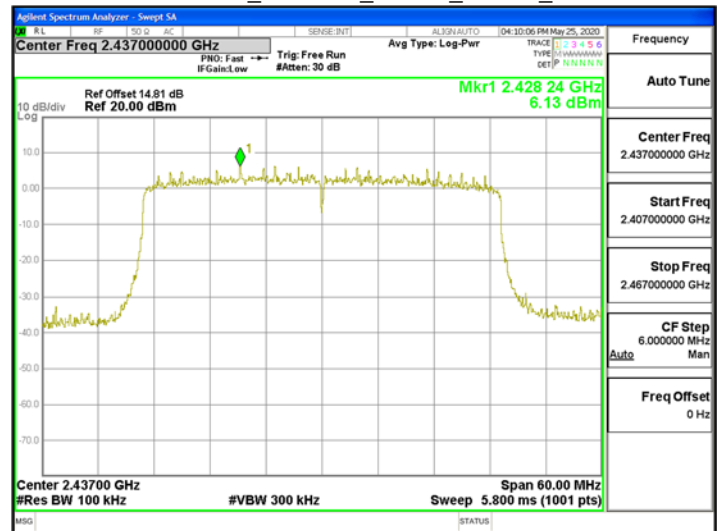
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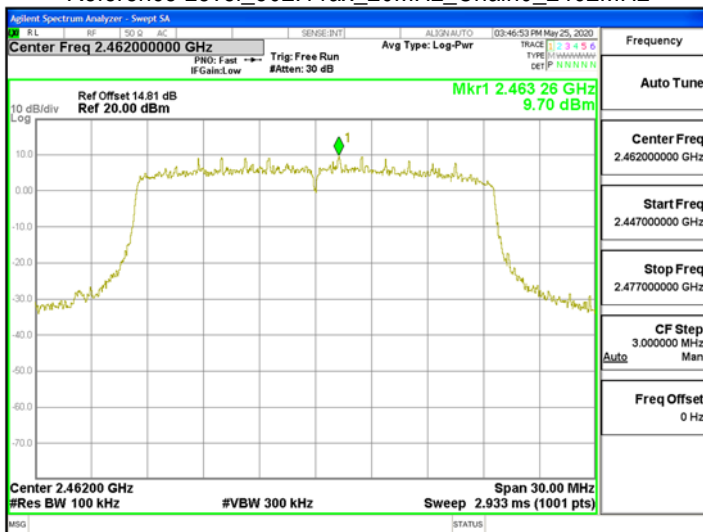
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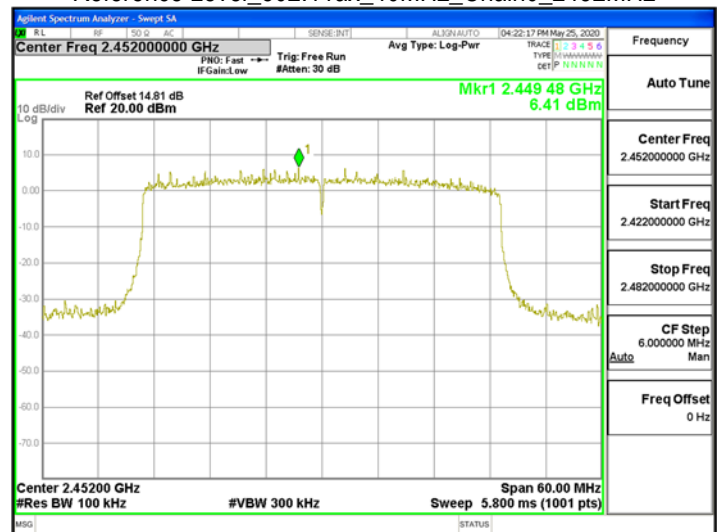
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Reference Level 802.11ax 20MHz Chain0 2462MHz



Reference Level 802.11ax 40MHz Chain0 2452MHz

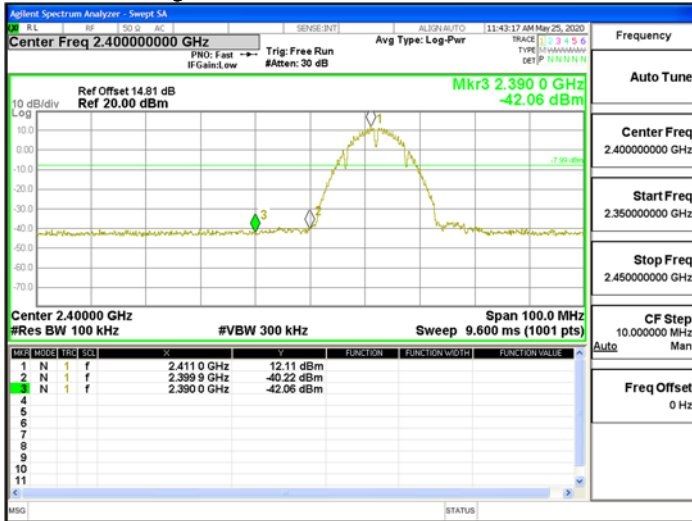


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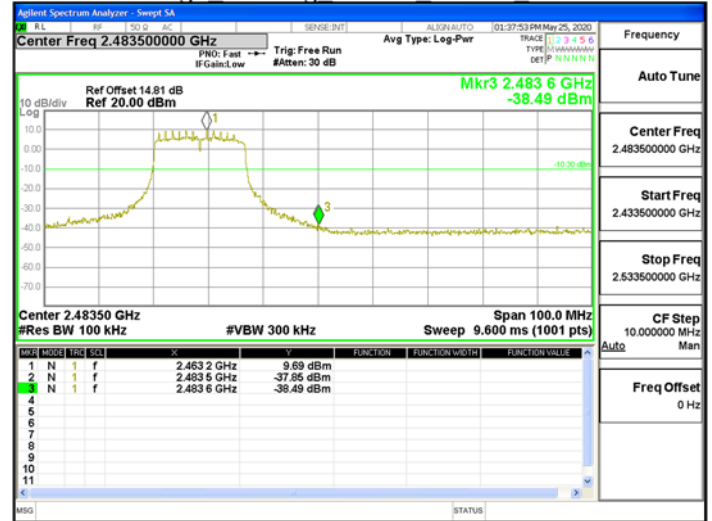
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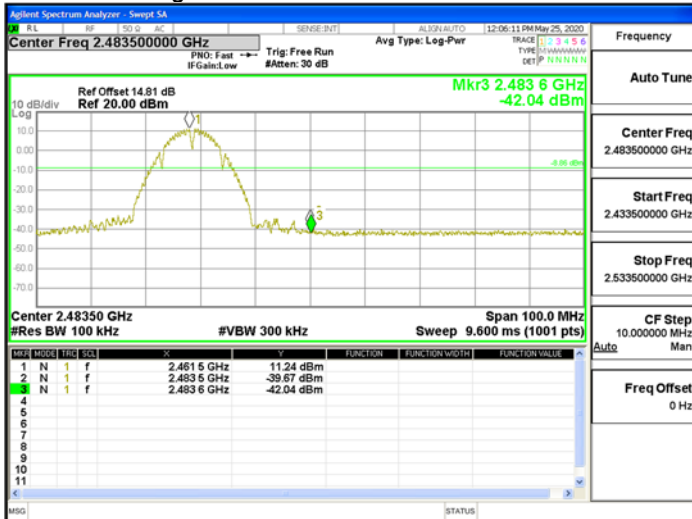
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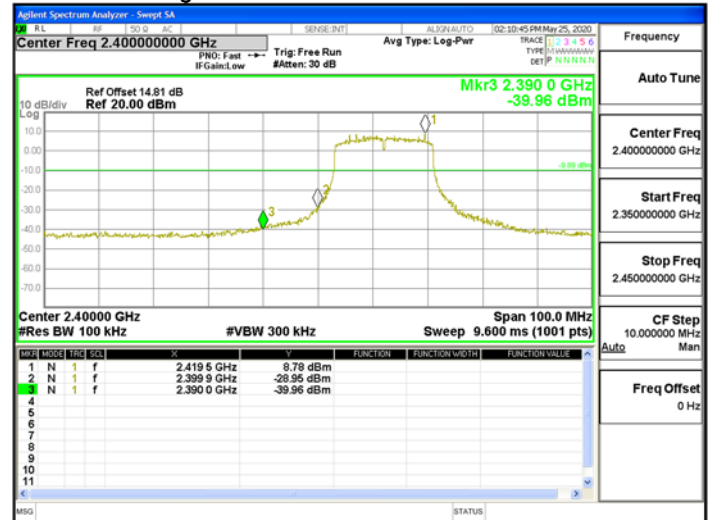
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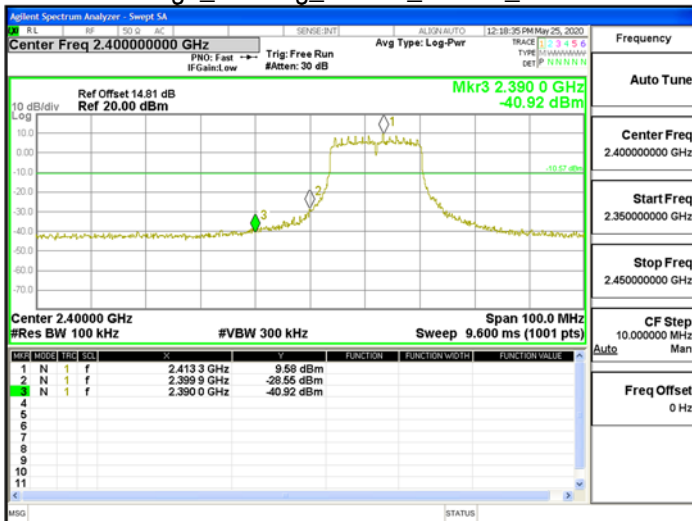
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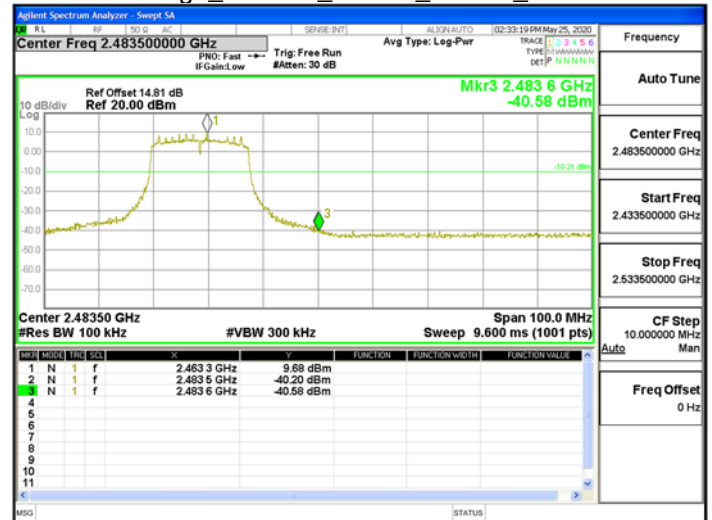
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Band Edge_802.11g_20MHz_Chain0_2412MHz



Band Edge_802.11n_20MHz_Chain0_2462MHz

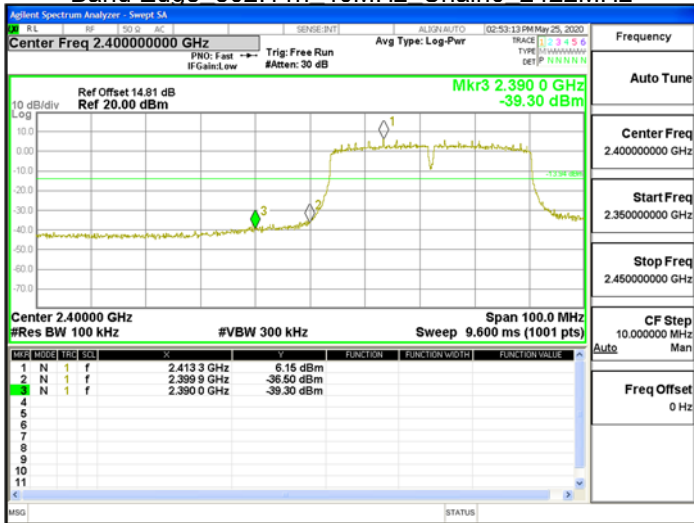


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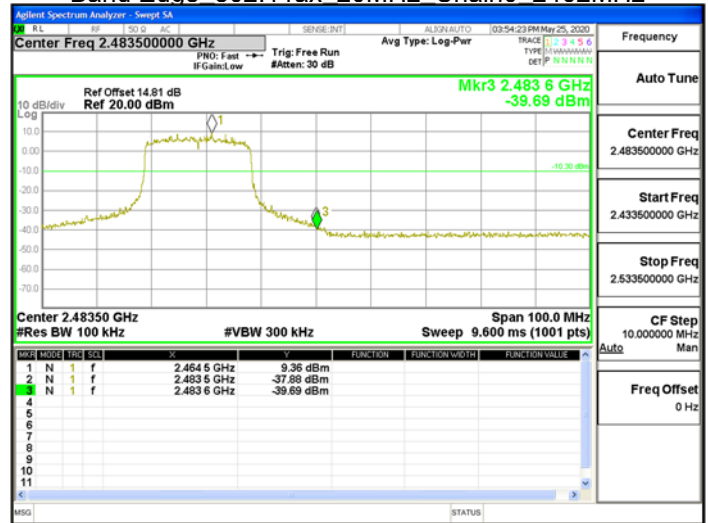
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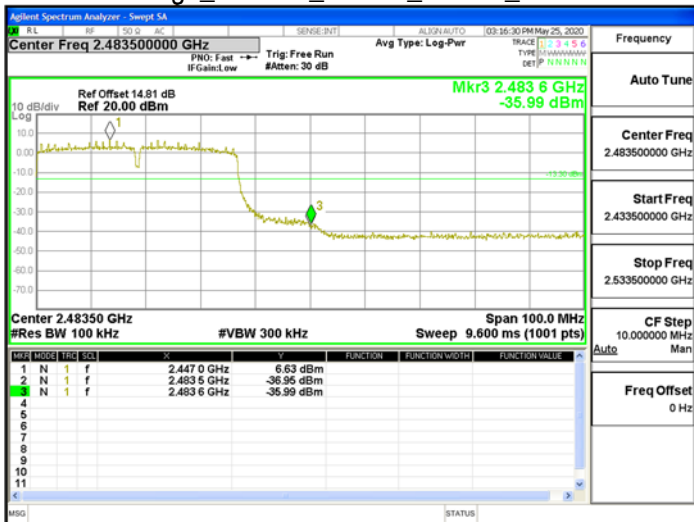
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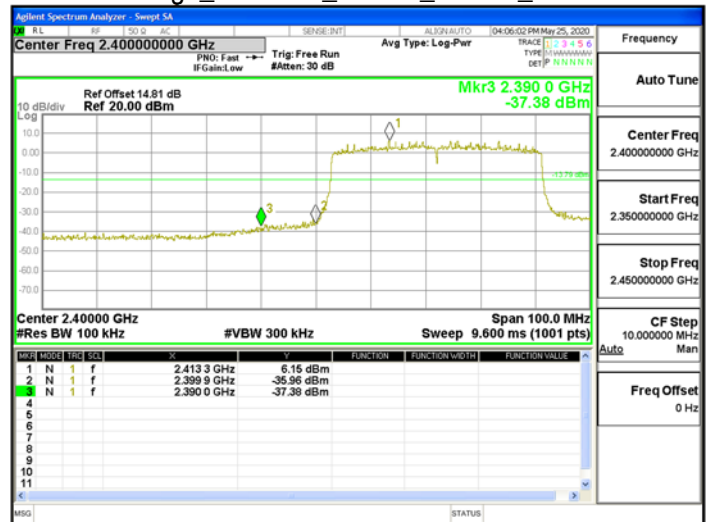
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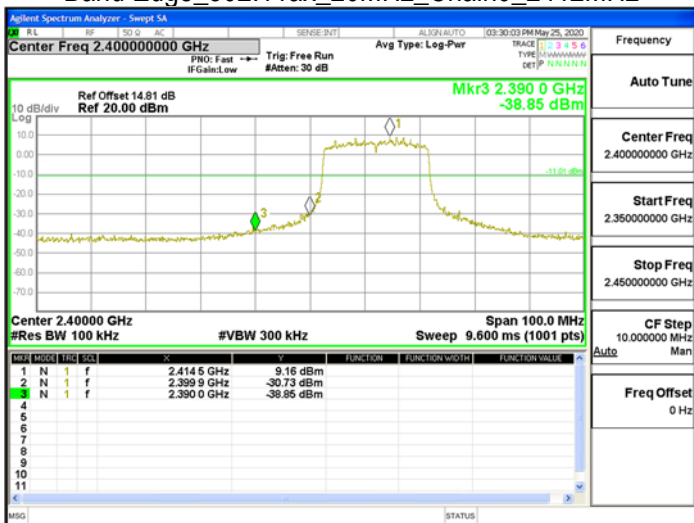
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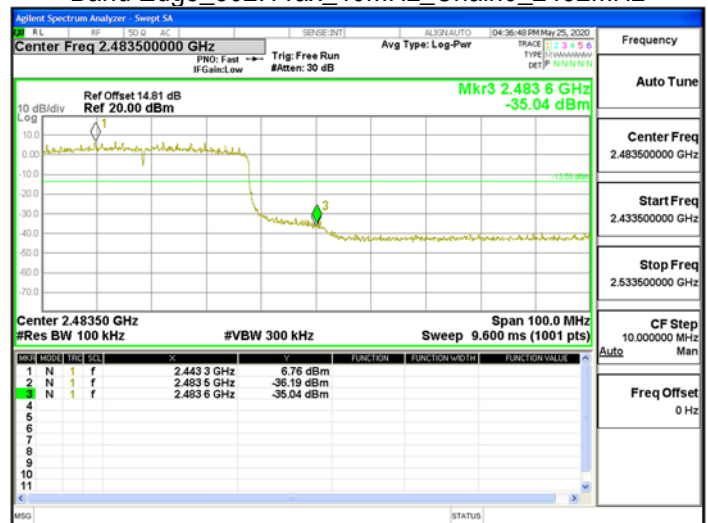
Band Edge 802.11ax 40MHz Chain0 2422MHz



Band Edge 802.11ax 20MHz Chain0 2412MHz



Band Edge 802.11ax 40MHz Chain0 2452MHz

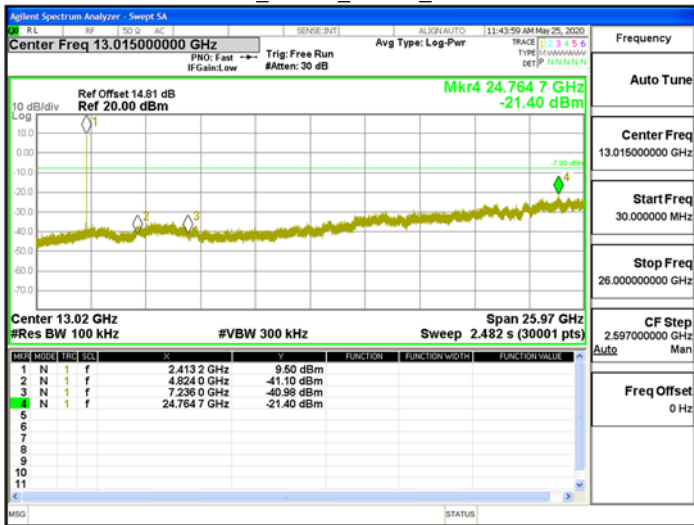


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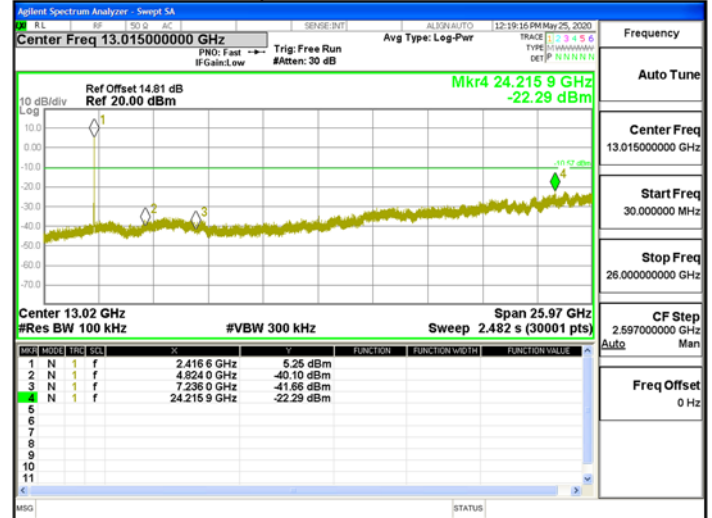
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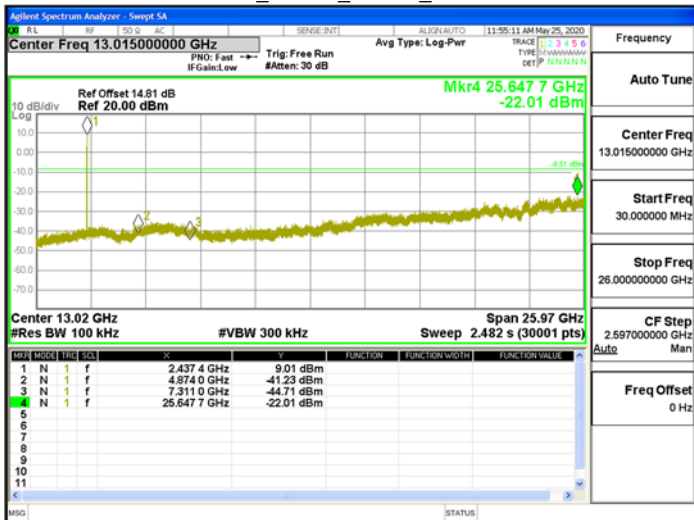
802.11b_20MHz_Chain0_2412MHz



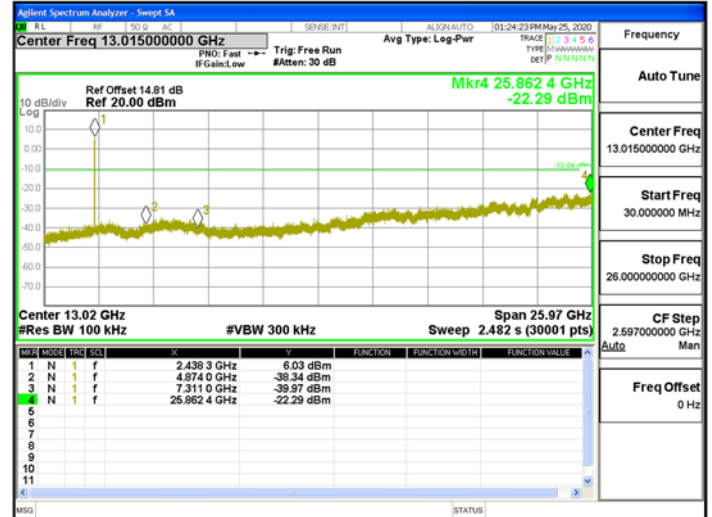
802.11g_20MHz_Chain0_2412MHz



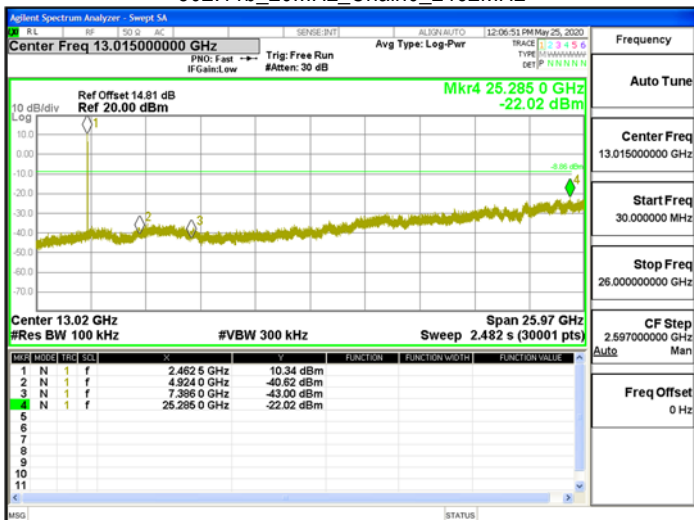
802.11b_20MHz_Chain0_2437MHz



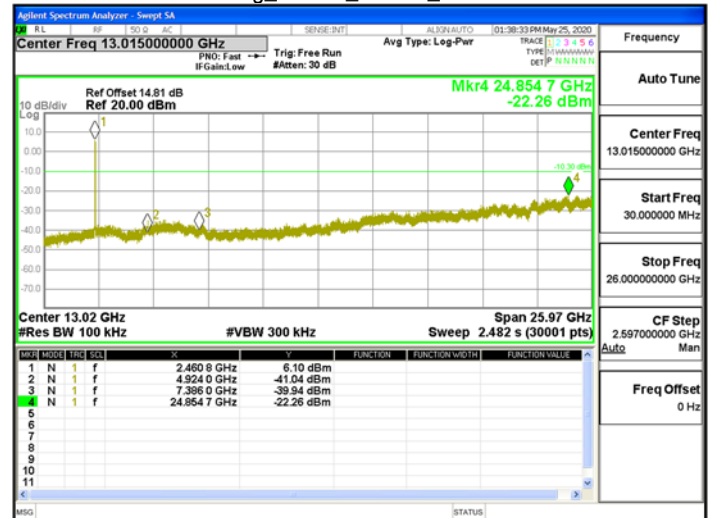
802.11g_20MHz_Chain0_2437MHz



802.11b_20MHz_Chain0_2462MHz



802.11g_20MHz_Chain0_2462MHz

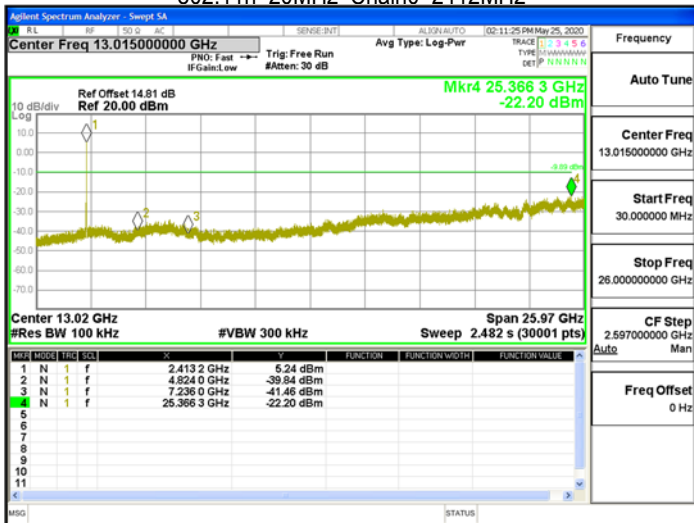


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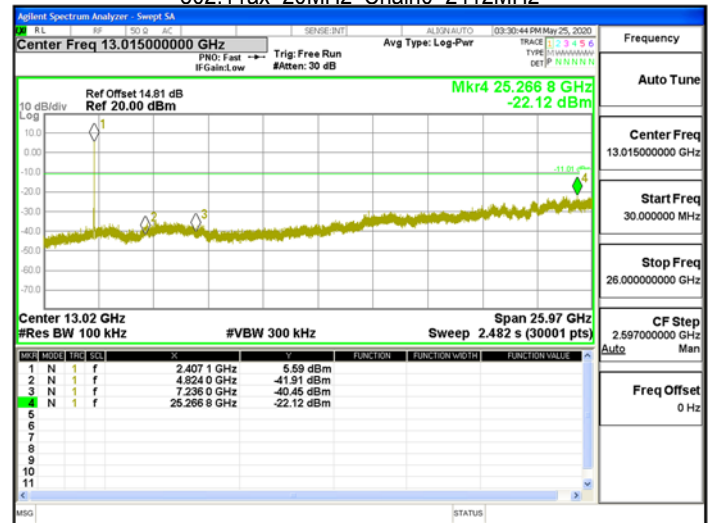
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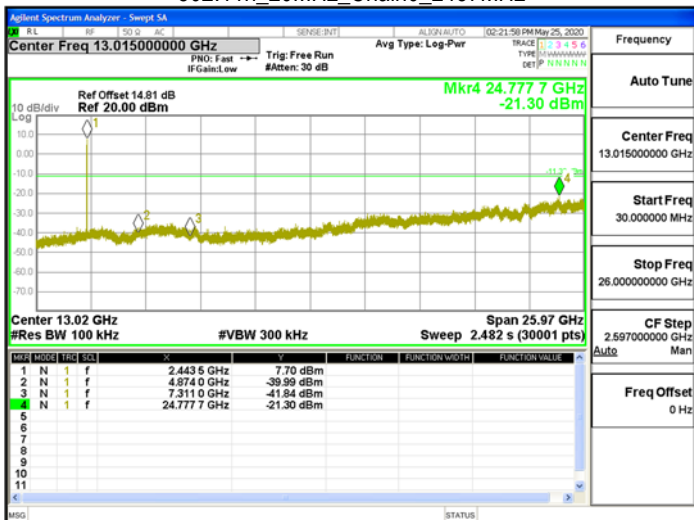
802.11n_20MHz_Chain0_2412MHz



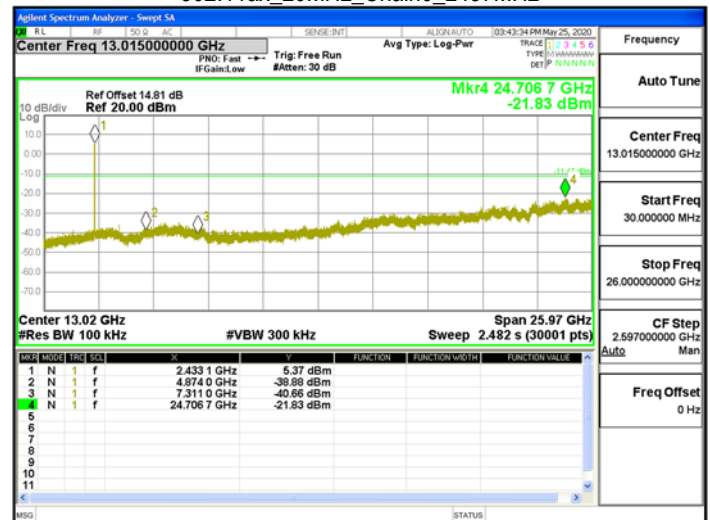
802.11ax_20MHz_Chain0_2412MHz



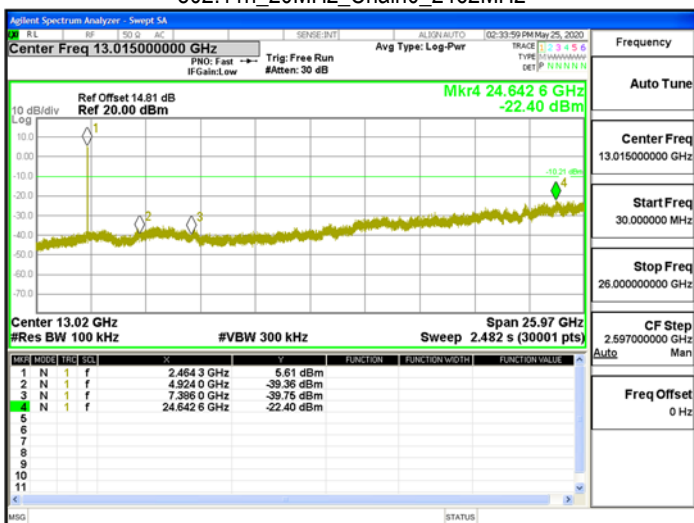
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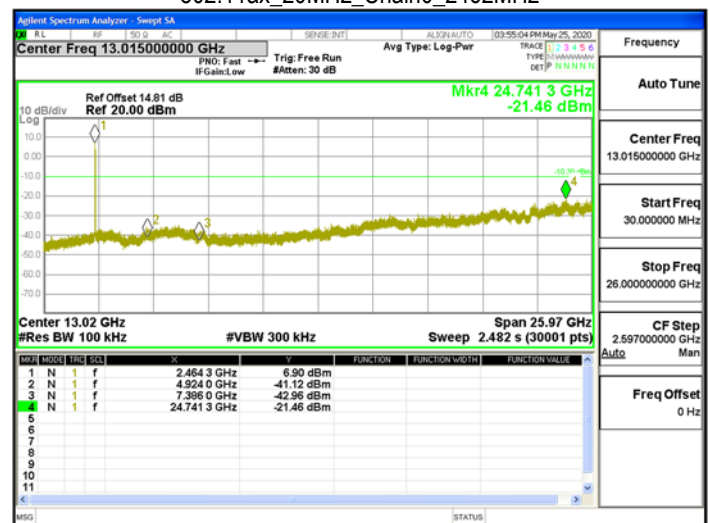
802.11ax_20MHz_Chain0_2437MHz



802.11n_20MHz_Chain0_2462MHz



802.11ax_20MHz_Chain0_2462MHz

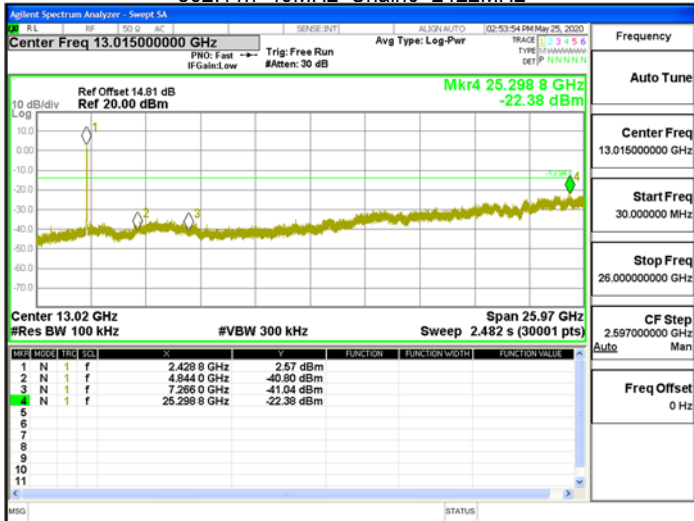


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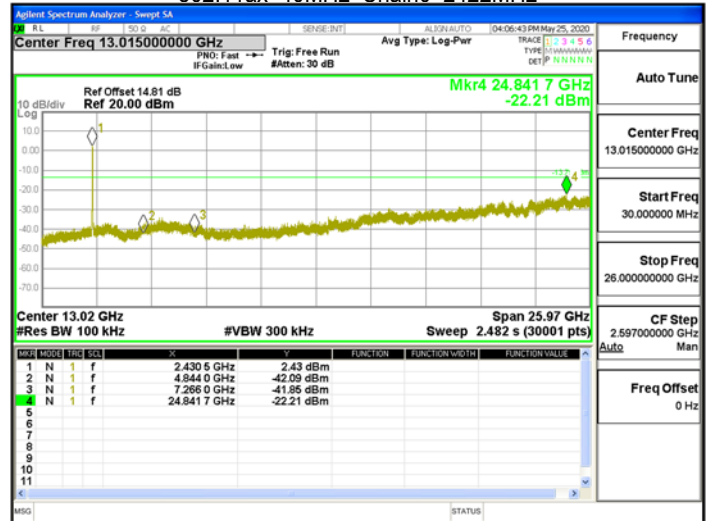
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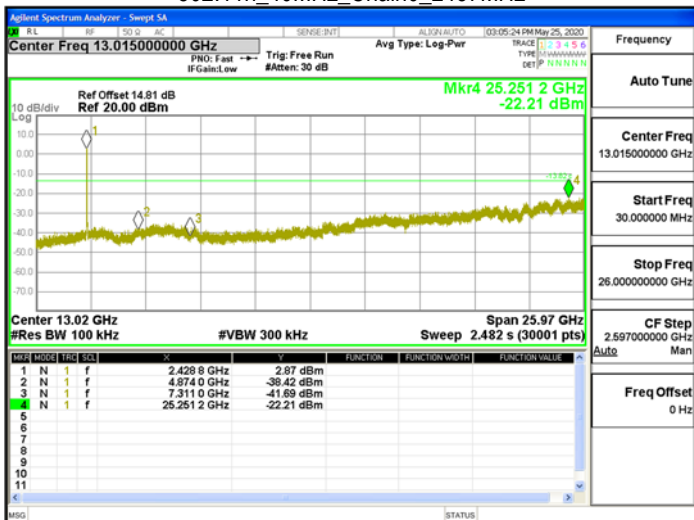
802.11n_40MHz_Chain0_2422MHz



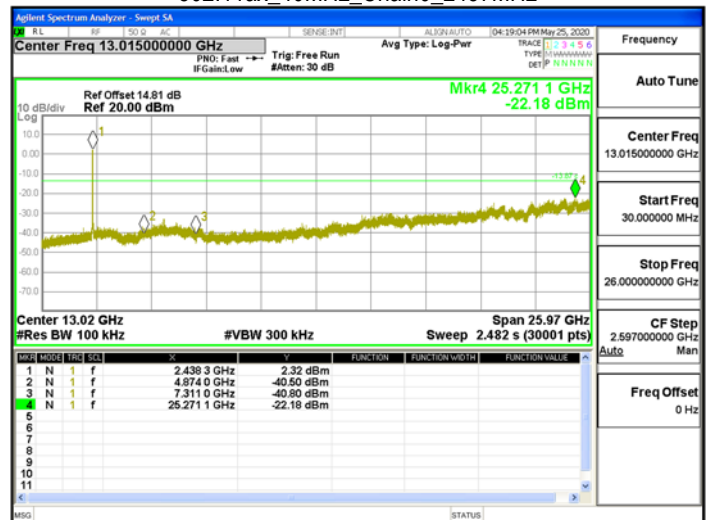
802.11ax_40MHz_Chain0_2422MHz



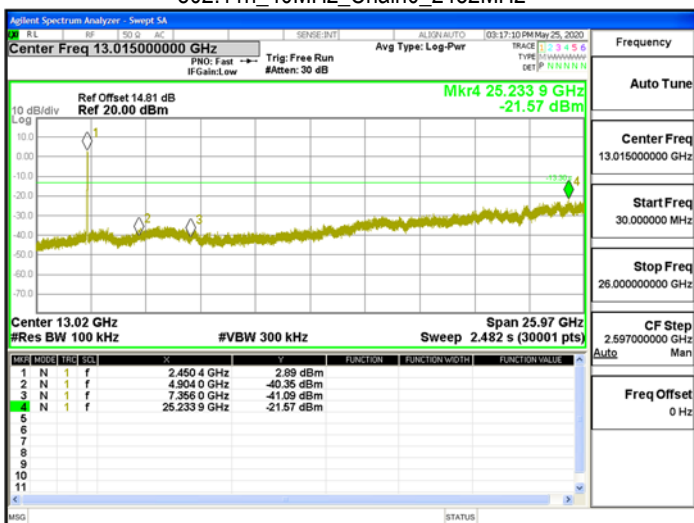
802.11n_40MHz_Chain0_2437MHz



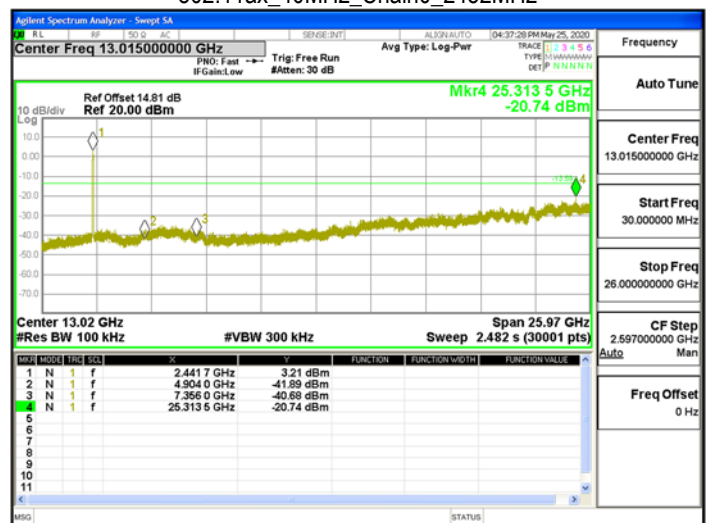
802.11ax_40MHz_Chain0_2437MHz



802.11n_40MHz_Chain0_2452MHz



802.11ax_40MHz_Chain0_2452MHz



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11 RADIATED BANDEDGE AND SPURIOUS EMISSION MEASUREMENT

11.1 Standard Applicable

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. In addition, radiated emissions which fall in the restricted bands must also comply with the §15.209 and RSS-Gen §8.9 Table 5 and 6 limit as below. And according to §15.33(a) (1) & RSS-Gen §6.13.2.a, for an intentional radiator operates below 10GHz, the frequency range of measurements: to the tenth harmonic of the highest fundamental frequency or to 40GHz, whichever is lower.

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:

966 Chamber					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Horn Antenna	Schwarzbeck	BBHA9120D	D803	12/20/2019	12/19/2020
Bi-log Antenna	TESEO	CBL 6112D	35242 & AT-N0555	01/13/2020	01/12/2021
Loop Antenna	ETS.LINDGREN	6502	148045	10/15/2019	10/14/2020
Spectrum Analyzer	Agilent	E4446A	MY51100003	10/23/2019	10/22/2020
EMI Test Receiver	R&S	ESCI 7	100759	07/04/2019	07/03/2020
Pre-Amplifier	EMC Instruments	EMC184045B	980135	01/02/2020	01/01/2021
Pre-Amplifier	EMC Instruments	EMC051825	980152	01/02/2020	01/01/2021
Pre-Amplifier	HP	8447D	2944A09469	01/02/2020	01/01/2021
Attenuator	Mini-Circuit	BW-S10W2+	4	01/02/2020	01/01/2021
Filter 2400-2483.5 MHz	EWT	EWT-14-0166	M1	01/02/2020	01/01/2021
High Pass Filter	WI	WHKX4.0/18G-10SS	22	01/02/2020	01/01/2021
Coaxial Cable	Huber Suhner	succoflex 102	MY2622/2	01/02/2020	01/01/2021
Coaxial Cable	Huber Suhner	succoflex 104A	800086/4a	01/02/2020	01/01/2021
Coaxial Cable	Huber Suhner	EMC 104-SM-SM-2000	160123	01/02/2020	01/01/2021

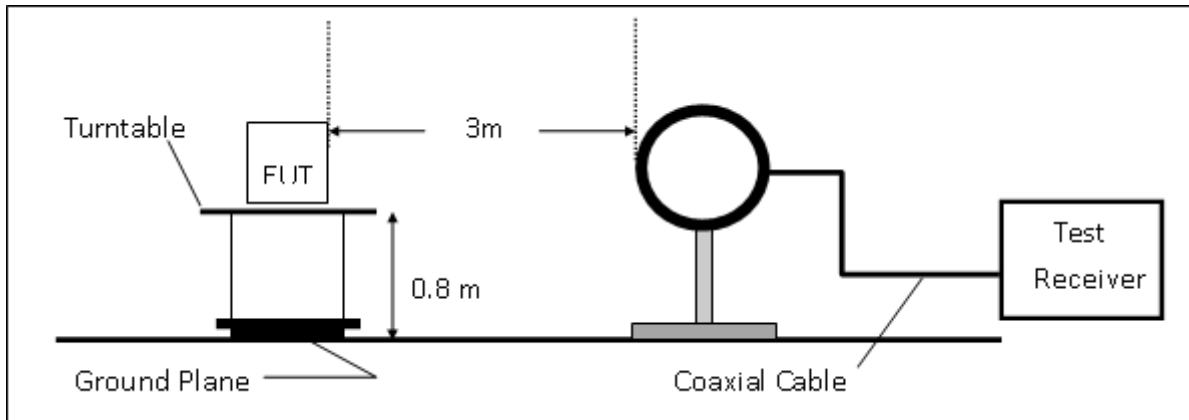
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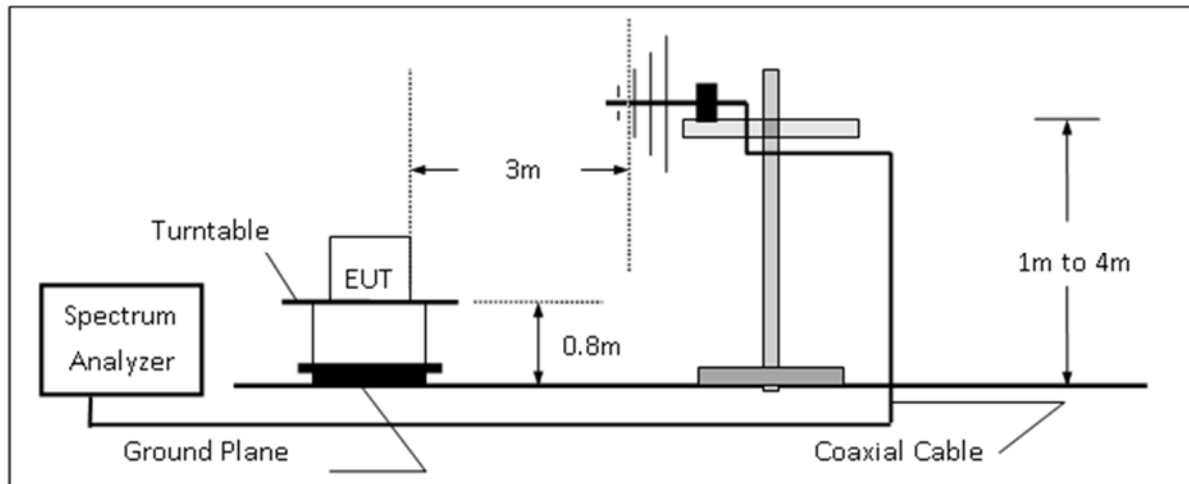
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11.3 Test SET-UP

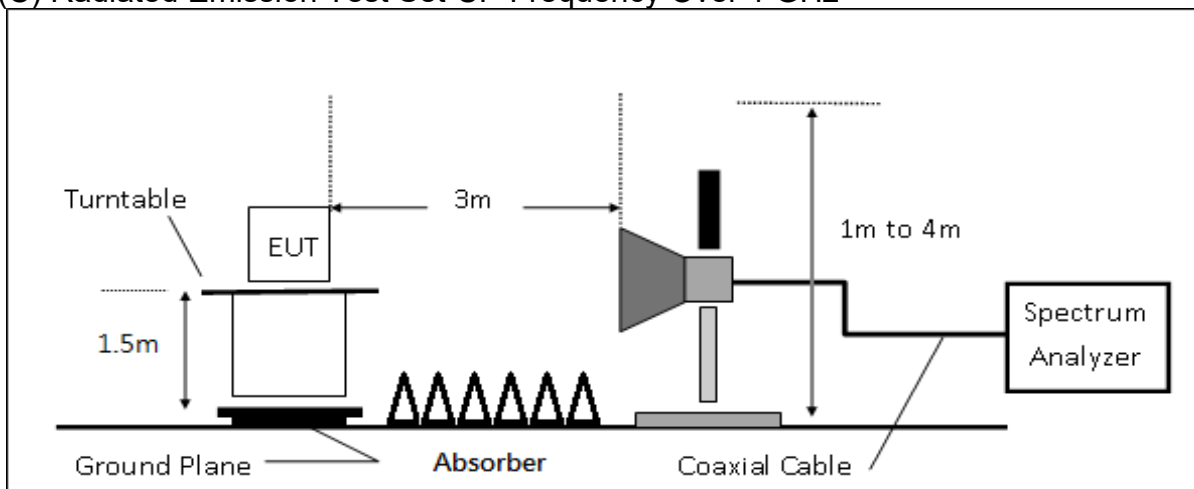
(A) Radiated Emission Test Set-UP Frequency Below 30MHz.



(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 testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
2. The EUT was placed on a turn table with 0.8m for frequency< 1GHz and 1.5m for frequency> 1GHz above ground plane.
3. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
4. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
5. When measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.
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. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Peak Detector at frequency above 1 GHz.
8. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW $\geq 1/T$ (Duty cycle < 98%) for Average Detector at frequency above 1 GHz.
9. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
10. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
11. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. On spectrum, change spectrum mode in linear display mode, and reduce VBW = 10Hz if average reading is measured.
12. Repeat above procedures until all default test channel 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 $20 \cdot \log(\mu\text{V/m})$

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) & RSS-GEN §6.13.2 was not reported.

11.7 Measurement Result

Note:

1. Refer to next page spectrum analyzer data chart and tabular data sheets.
2. Measurements are completed at peak and average level, the mark of average is the highest emission in restricted bands

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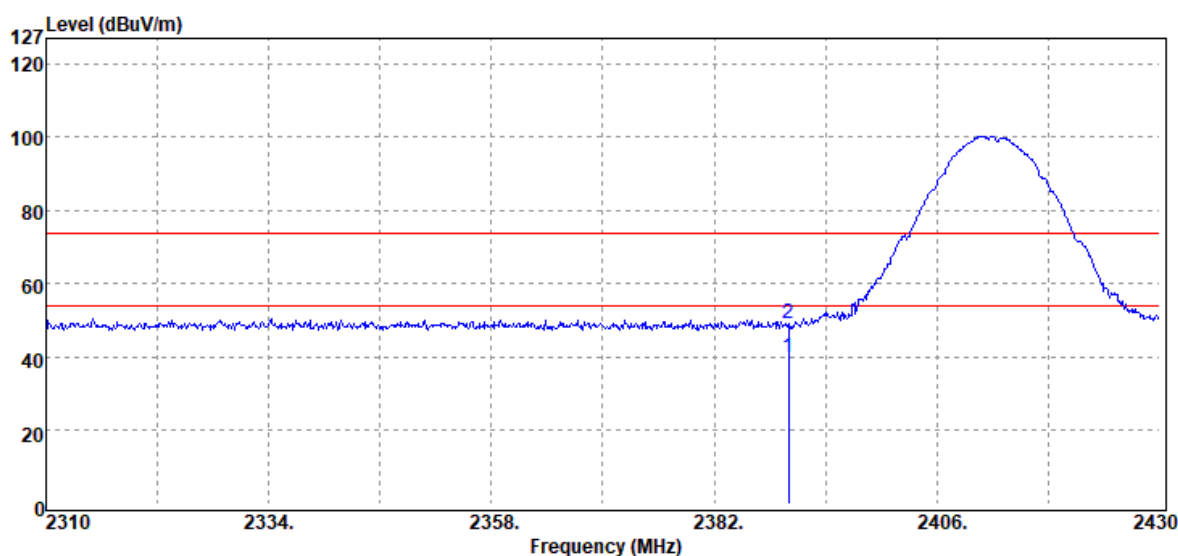
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11.7.1 Radiated Band Edge Measurement Result

Report Number :ER/2020/30079
 Operation Mode :802.11b
 Test Frequency :2412 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Date :2020-05-29
 Temp./Humi. :23.8/75
 Antenna Pol. :VERTICAL
 Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
2390.00	Average	32.43	7.46	39.89	54.00	-14.11
2390.00	Peak	41.74	7.46	49.20	74.00	-24.80

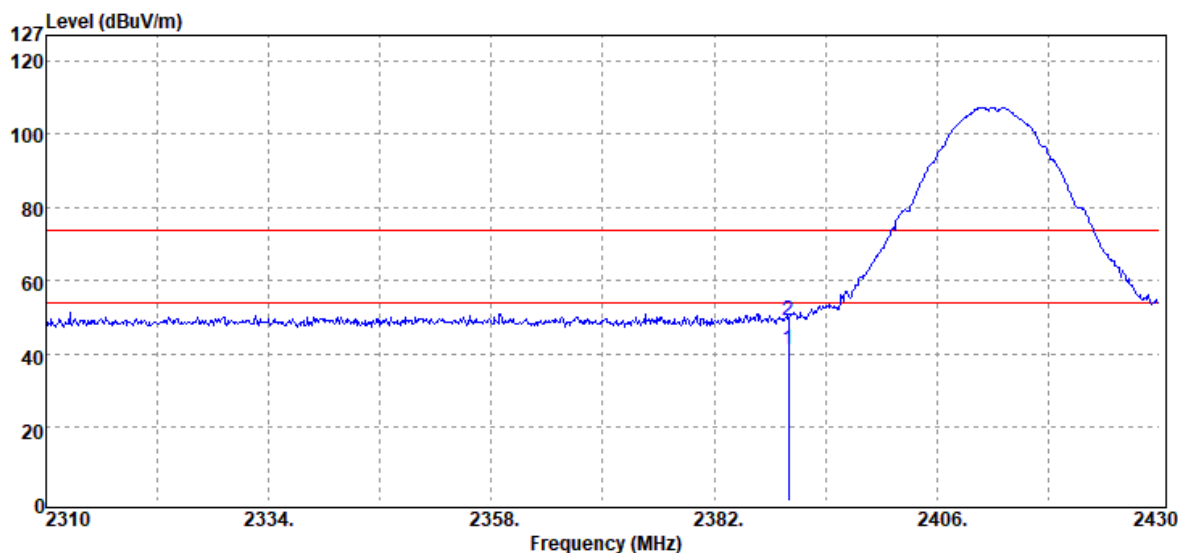
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Report Number :ER/2020/30079
Operation Mode :802.11b
Test Frequency :2412 MHz
Test Mode :Bandedge CH Low
EUT Pol :E2 Plane

Test Date :2020-05-29
Temp./Humi. :23.8/75
Antenna Pol. :HORIZONTAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2390.00	Average	33.94	7.46	41.40	54.00	-12.60
2390.00	Peak	41.92	7.46	49.38	74.00	-24.62

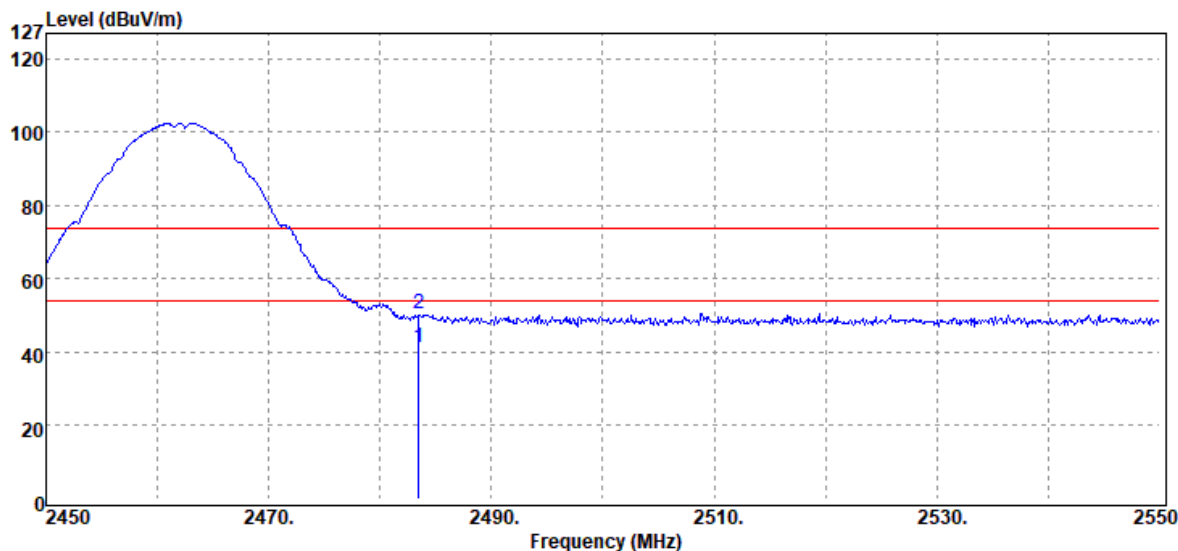
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Report Number :ER/2020/30079
Operation Mode :802.11b
Test Frequency :2462 MHz
Test Mode :Bandedge CH High
EUT Pol :E2 Plane

Test Date :2020-05-29
Temp./Humi. :23.8/75
Antenna Pol. :VERTICAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	33.78	7.46	41.24	54.00	-12.76
2483.50	Peak	42.99	7.46	50.45	74.00	-23.55

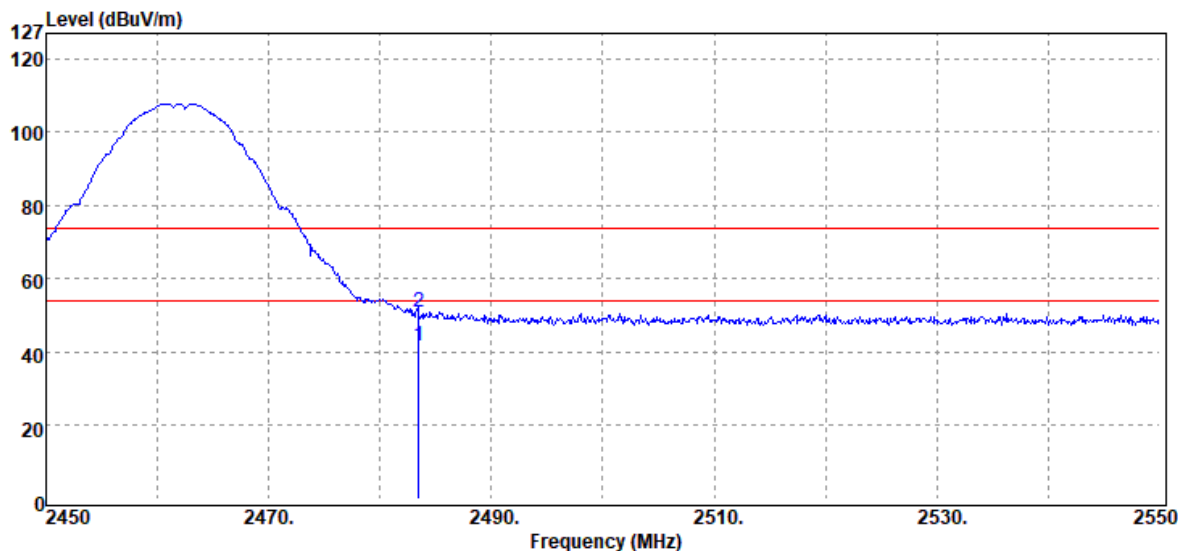
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Report Number :ER/2020/30079
Operation Mode :802.11b
Test Frequency :2462 MHz
Test Mode :Bandedge CH High
EUT Pol :E2 Plane

Test Date :2020-05-29
Temp./Humi. :23.8/75
Antenna Pol. :HORIZONTAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	34.15	7.46	41.61	54.00	-12.39
2483.50	Peak	43.46	7.46	50.92	74.00	-23.08

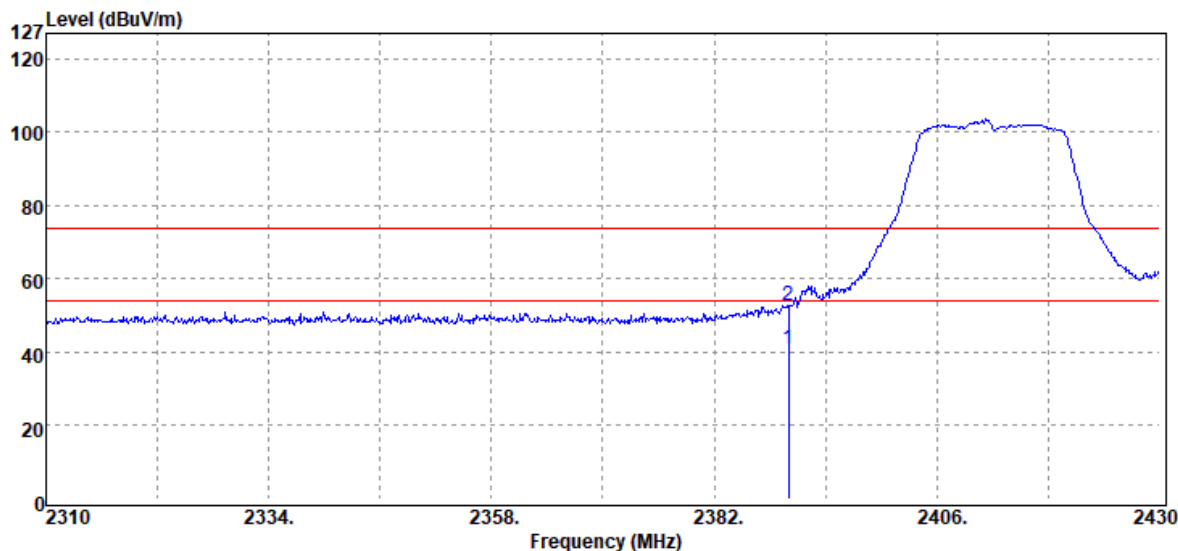
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Report Number :ER/2020/30079
Operation Mode :802.11g
Test Frequency :2412 MHz
Test Mode :Bandedge CH Low
EUT Pol :E2 Plane

Test Date :2020-05-29
Temp./Humi. :23.8/75
Antenna Pol. :VERTICAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	33.34	7.46	40.80	54.00	-13.20
2390.00	Peak	45.07	7.46	52.53	74.00	-21.47

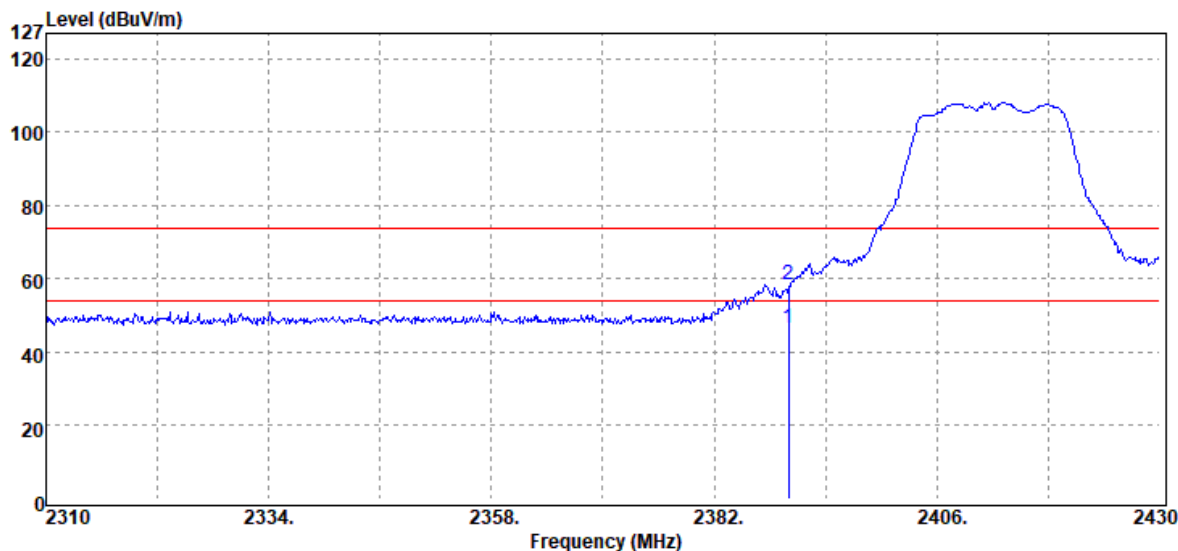
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Report Number :ER/2020/30079
Operation Mode :802.11g
Test Frequency :2412 MHz
Test Mode :Bandedge CH Low
EUT Pol :E2 Plane

Test Date :2020-05-29
Temp./Humi. :23.8/75
Antenna Pol. :HORIZONTAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	39.01	7.46	46.47	54.00	-7.53
2390.00	Peak	50.95	7.46	58.41	74.00	-15.59

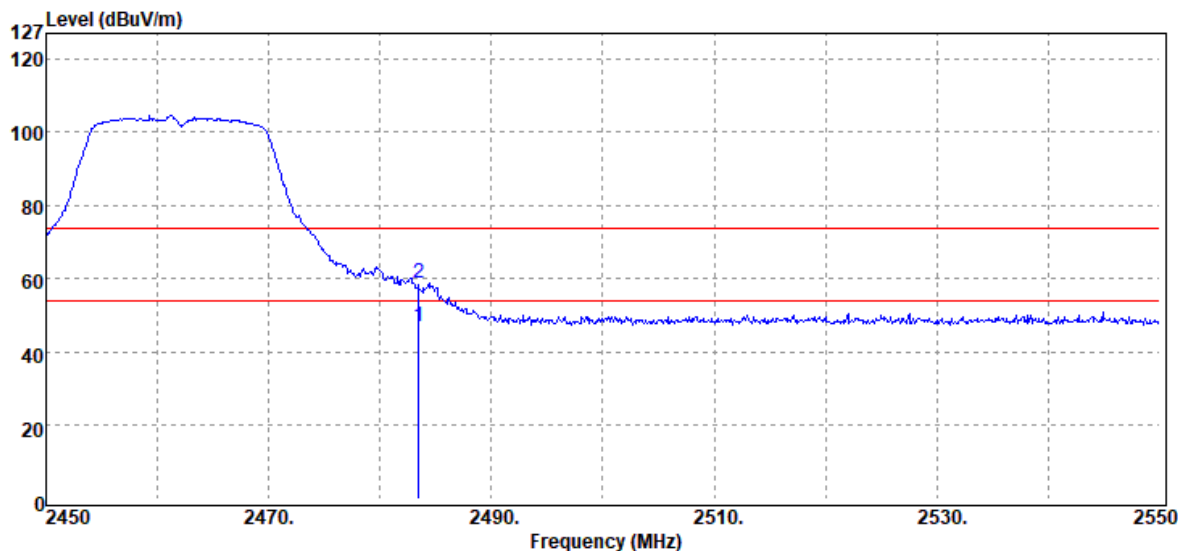
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Report Number :ER/2020/30079
Operation Mode :802.11g
Test Frequency :2462 MHz
Test Mode :Bandedge CH High
EUT Pol :E2 Plane

Test Date :2020-05-29
Temp./Humi. :23.8/75
Antenna Pol. :VERTICAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	39.64	7.46	47.10	54.00	-6.90
2483.50	Peak	51.55	7.46	59.01	74.00	-14.99

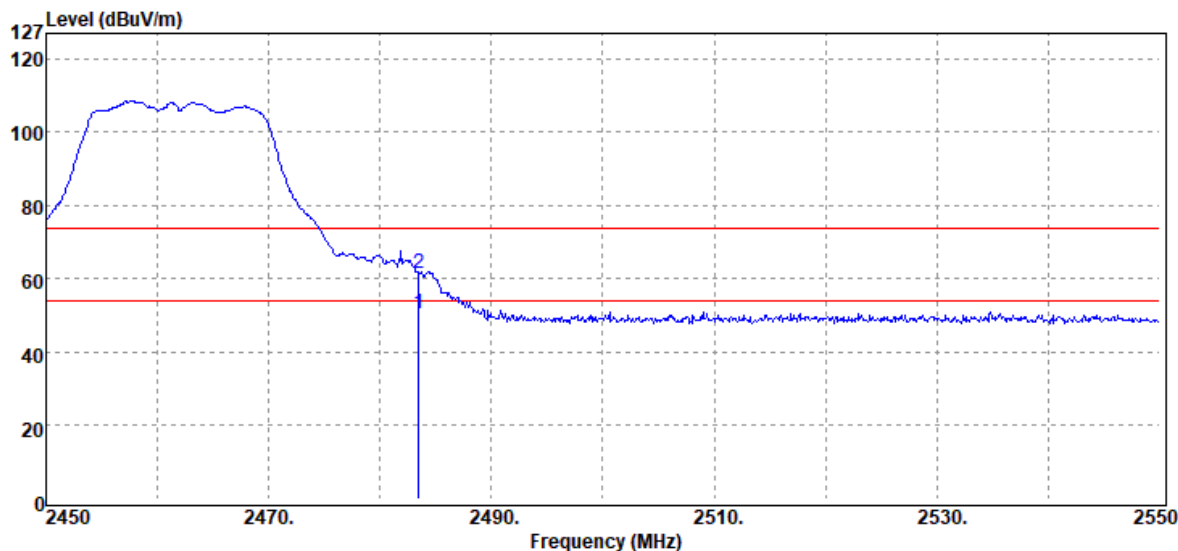
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Report Number :ER/2020/30079
Operation Mode :802.11g
Test Frequency :2462 MHz
Test Mode :Bandedge CH High
EUT Pol :E2 Plane

Test Date :2020-05-29
Temp./Humi. :23.8/75
Antenna Pol. :HORIZONTAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	43.21	7.46	50.67	54.00	-3.33
2483.50	Peak	54.19	7.46	61.65	74.00	-12.35

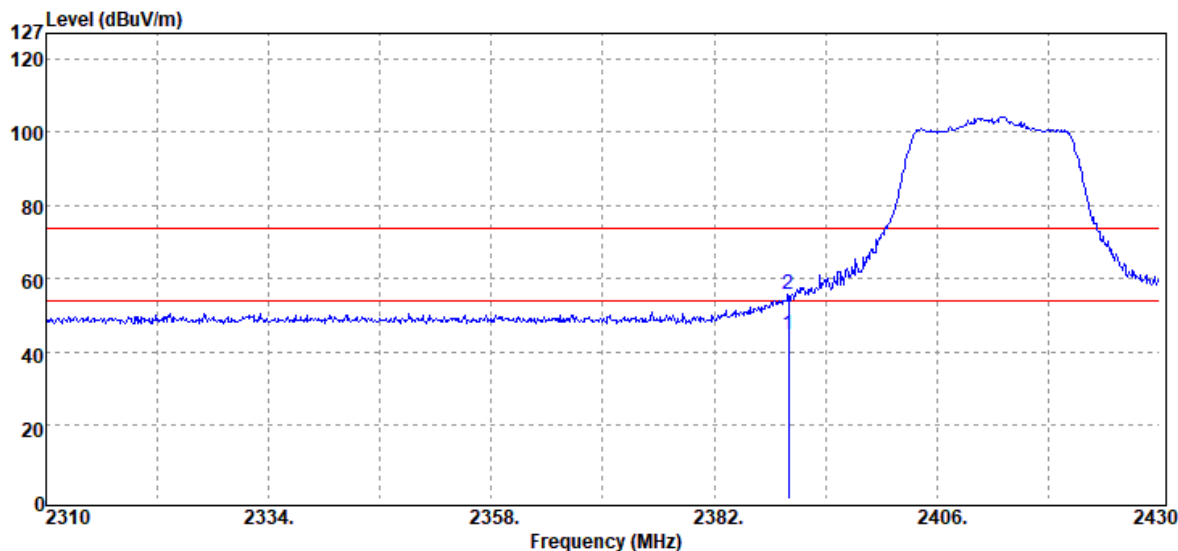
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Report Number :ER/2020/30079
Operation Mode :802.11n20
Test Frequency :2412 MHz
Test Mode :Bandedge CH Low
EUT Pol :E2 Plane

Test Date :2020-05-29
Temp./Humi. :23.8/75
Antenna Pol. :VERTICAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2390.00	Average	37.46	7.46	44.92	54.00	-9.08
2390.00	Peak	48.51	7.46	55.97	74.00	-18.03

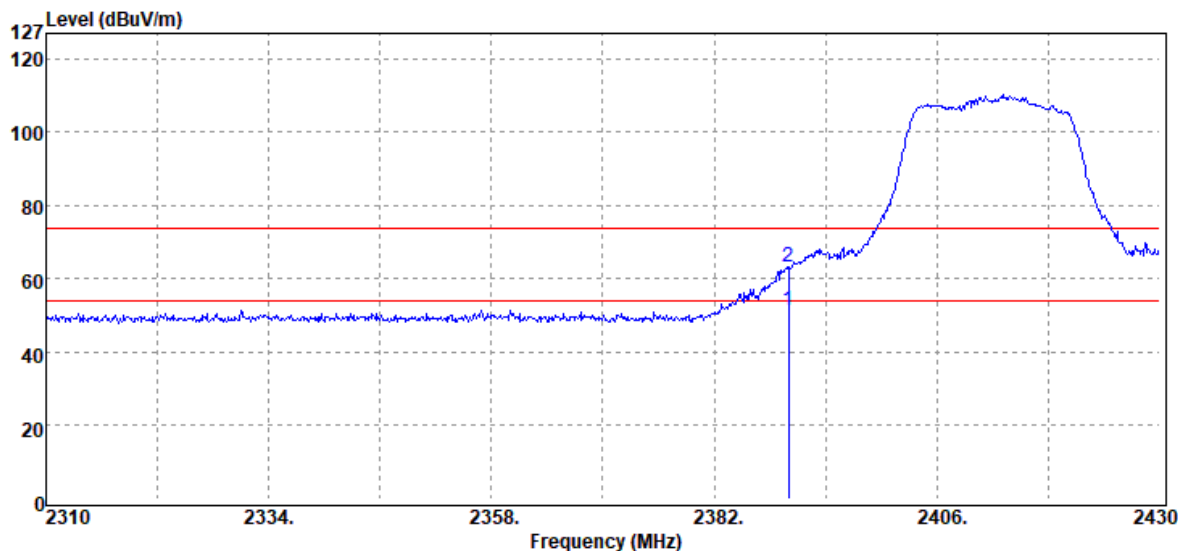
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Report Number :ER/2020/30079
Operation Mode :802.11n20
Test Frequency :2412 MHz
Test Mode :Bandedge CH Low
EUT Pol :E2 Plane

Test Date :2020-05-29
Temp./Humi. :23.8/75
Antenna Pol. :HORIZONTAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	44.16	7.46	51.62	54.00	-2.38
2390.00	Peak	55.90	7.46	63.36	74.00	-10.64

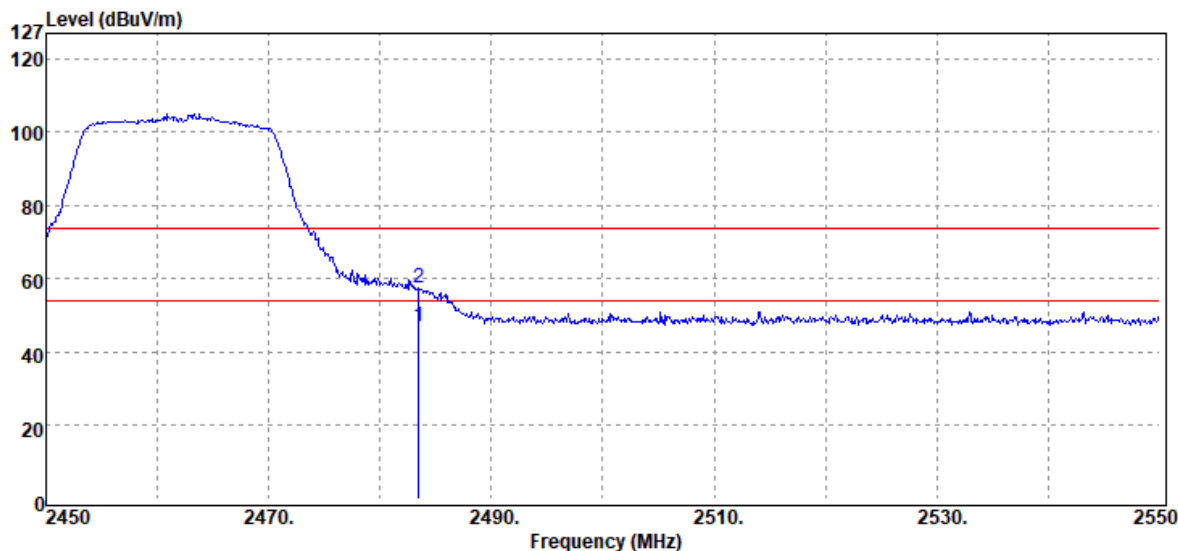
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Report Number :ER/2020/30079
 Operation Mode :802.11n20
 Test Frequency :2462 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Date :2020-05-29
 Temp./Humi. :23.8/75
 Antenna Pol. :VERTICAL
 Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2483.50	Average	39.43	7.46	46.89	54.00	-7.11
2483.50	Peak	50.08	7.46	57.54	74.00	-16.46

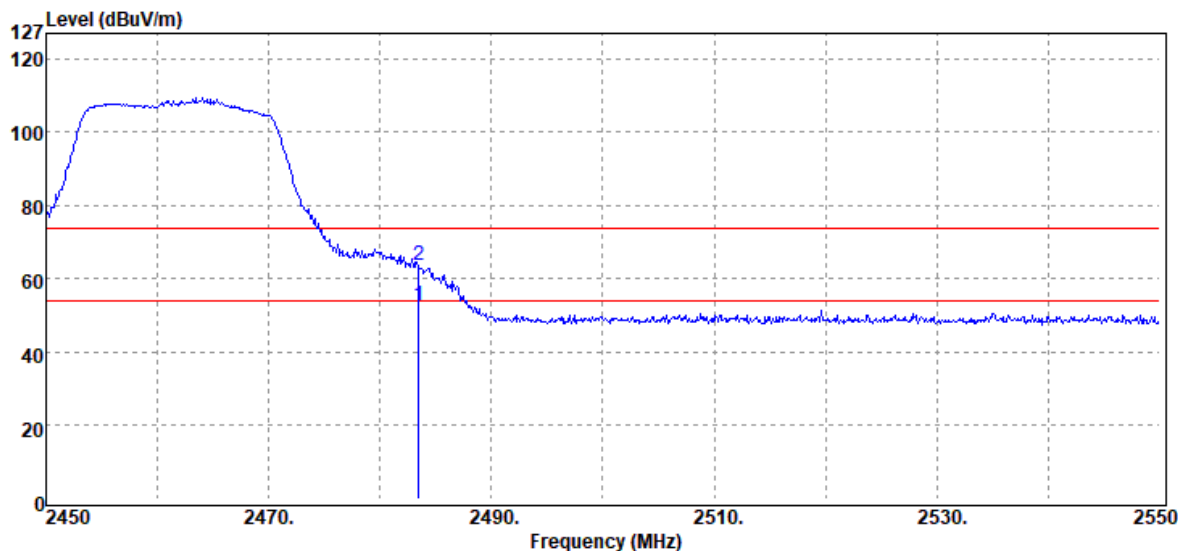
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Report Number :ER/2020/30079
 Operation Mode :802.11n20
 Test Frequency :2462 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Date :2020-05-29
 Temp./Humi. :23.8/75
 Antenna Pol. :HORIZONTAL
 Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	45.08	7.46	52.54	54.00	-1.46
2483.50	Peak	56.13	7.46	63.59	74.00	-10.41

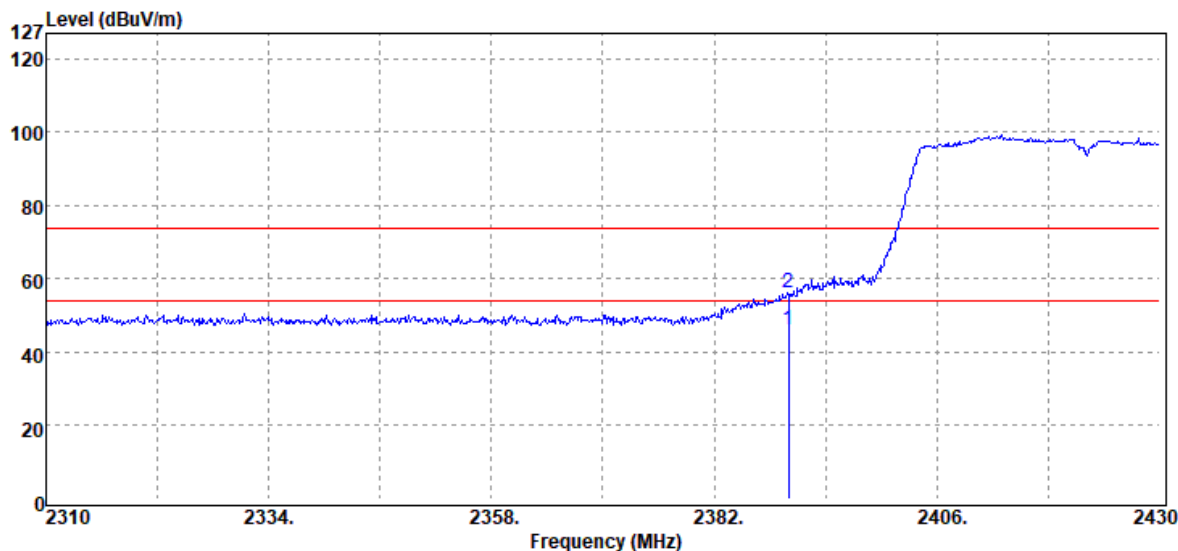
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Report Number :ER/2020/30079
Operation Mode :802.11n40
Test Frequency :2422 MHz
Test Mode :Bandedge CH Low
EUT Pol :E2 Plane

Test Date :2020-05-29
Temp./Humi. :23.8/75
Antenna Pol. :VERTICAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2390.00	Average	38.53	7.46	45.99	54.00	-8.01
2390.00	Peak	48.89	7.46	56.35	74.00	-17.65

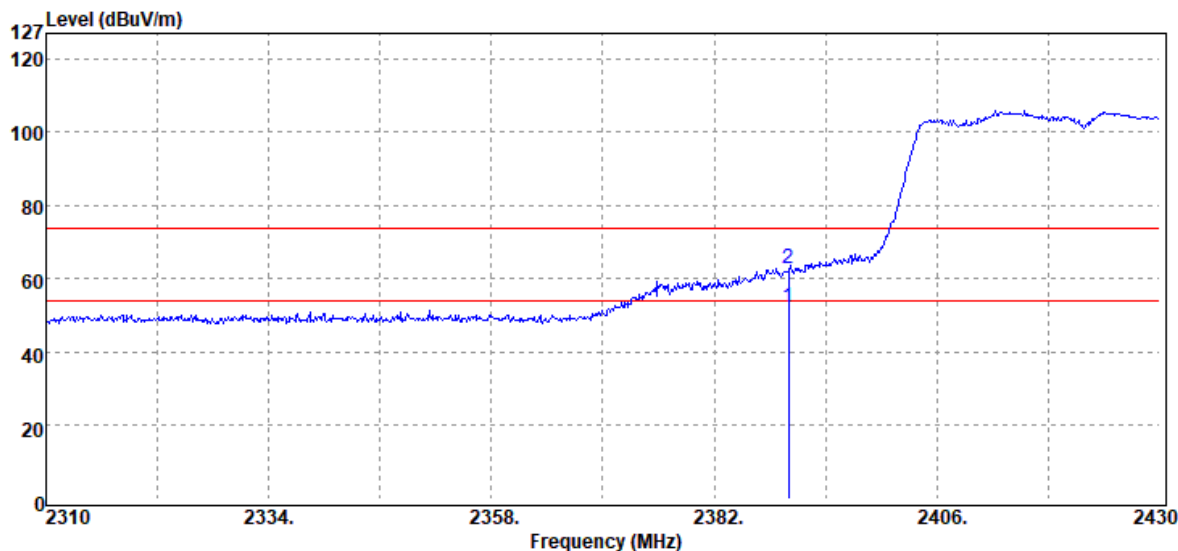
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Report Number :ER/2020/30079
Operation Mode :802.11n40
Test Frequency :2422 MHz
Test Mode :Bandedge CH Low
EUT Pol :E2 Plane

Test Date :2020-05-29
Temp./Humi. :23.8/75
Antenna Pol. :HORIZONTAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	44.87	7.46	52.33	54.00	-1.67
2390.00	Peak	55.34	7.46	62.80	74.00	-11.20

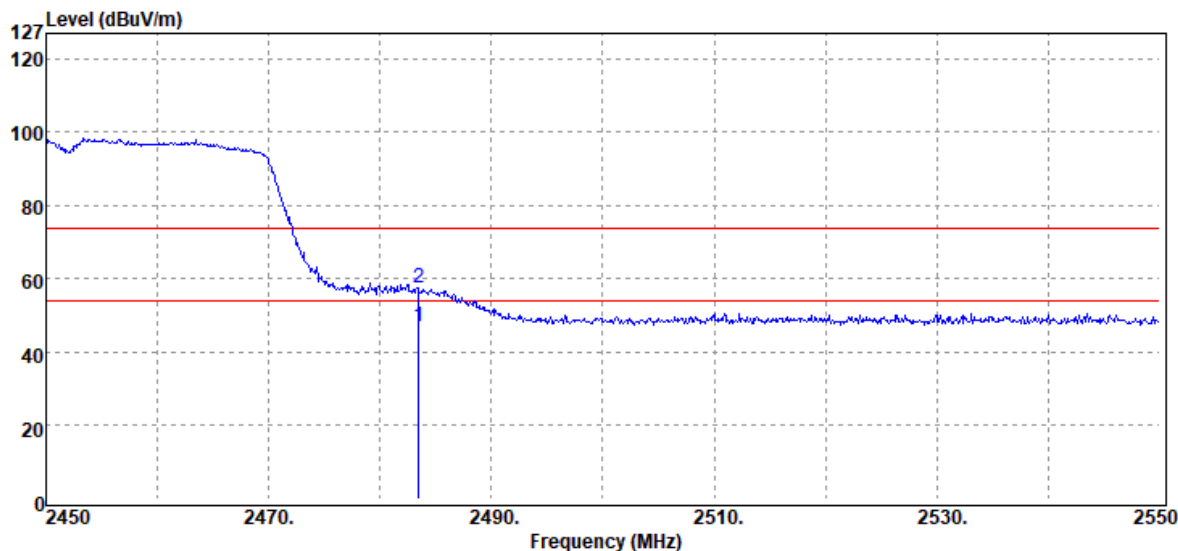
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Report Number :ER/2020/30079
Operation Mode :802.11n40
Test Frequency :2452 MHz
Test Mode :Bandedge CH High
EUT Pol :E2 Plane

Test Date :2020-05-29
Temp./Humi. :23.8/75
Antenna Pol. :VERTICAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	39.41	7.46	46.87	54.00	-7.13
2483.50	Peak	50.13	7.46	57.59	74.00	-16.41

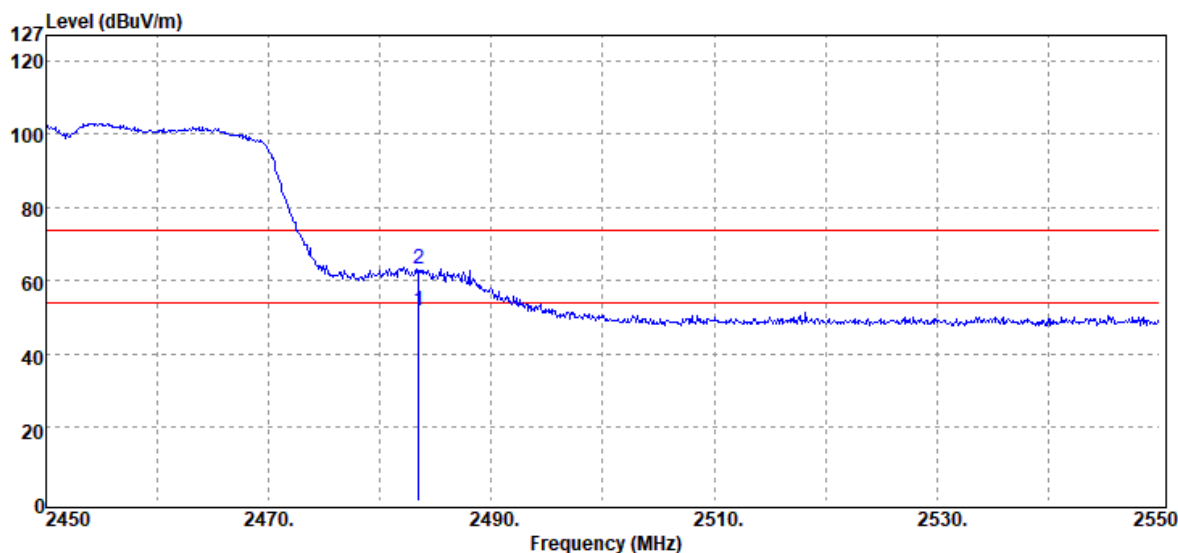
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Report Number :ER/2020/30079
Operation Mode :802.11n40
Test Frequency :2452 MHz
Test Mode :Bandedge CH High
EUT Pol :E2 Plane

Test Date :2020-05-29
Temp./Humi. :23.8/75
Antenna Pol. :HORIZONTAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	44.38	7.46	51.84	54.00	-2.16
2483.50	Peak	55.66	7.46	63.12	74.00	-10.88

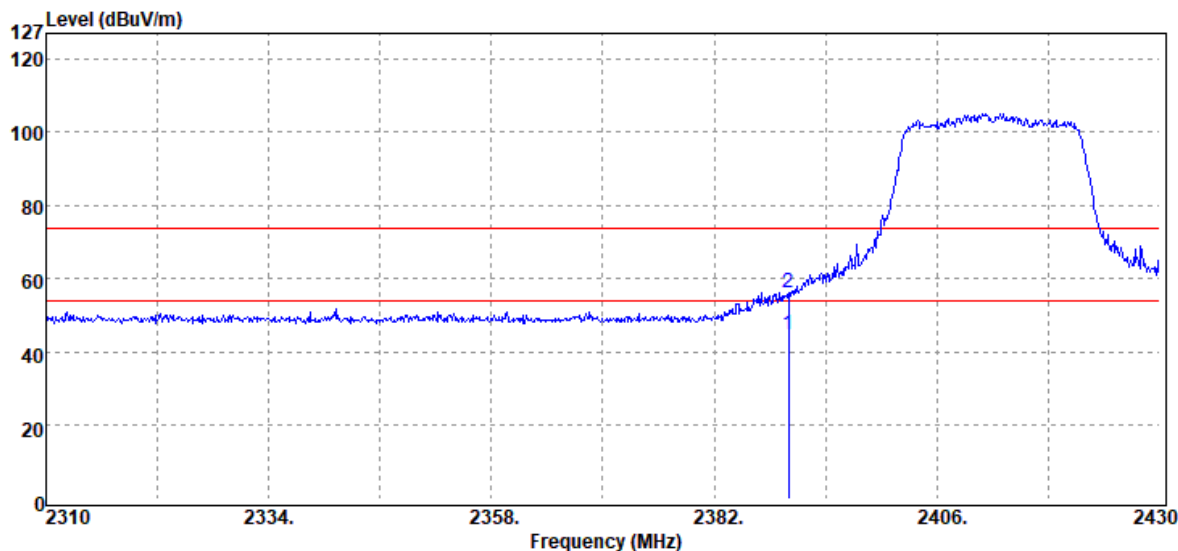
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Report Number :ER/2020/30079
Operation Mode :802.11ax20
Test Frequency :2412 MHz
Test Mode :Bandedge CH Low
EUT Pol :E2 Plane

Test Date :2020-05-29
Temp./Humi. :23.8/75
Antenna Pol. :VERTICAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2390.00	Average	37.27	7.46	44.73	54.00	-9.27
2390.00	Peak	48.85	7.46	56.31	74.00	-17.69

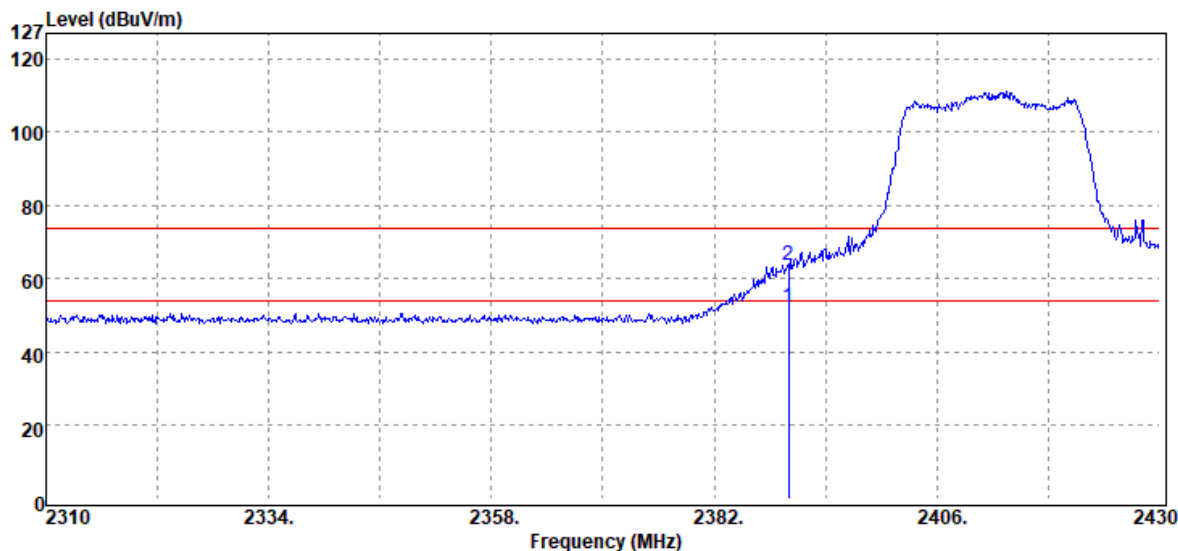
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Report Number :ER/2020/30079
Operation Mode :802.11ax20
Test Frequency :2412 MHz
Test Mode :Bandedge CH Low
EUT Pol :E2 Plane

Test Date :2020-05-29
Temp./Humi. :23.8/75
Antenna Pol. :HORIZONTAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	44.87	7.46	52.33	54.00	-1.67
2390.00	Peak	56.23	7.46	63.69	74.00	-10.31

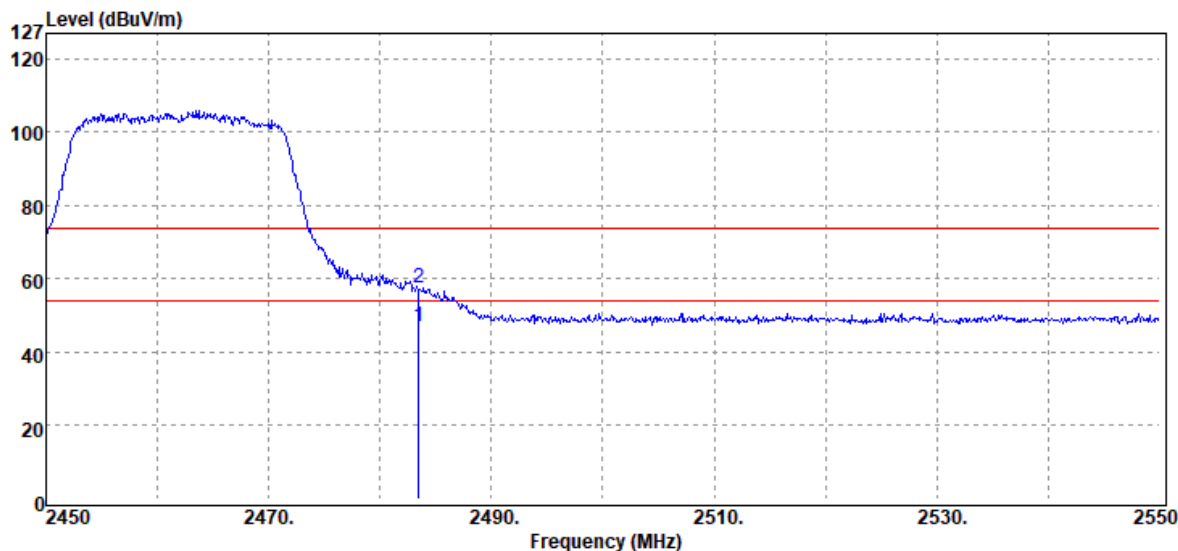
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Report Number :ER/2020/30079
Operation Mode :802.11ax20
Test Frequency :2462 MHz
Test Mode :Bandedge CH High
EUT Pol :E2 Plane

Test Date :2020-05-29
Temp./Humi. :23.8/75
Antenna Pol. :VERTICAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	39.41	7.46	46.87	54.00	-7.13
2483.50	Peak	50.02	7.46	57.48	74.00	-16.52

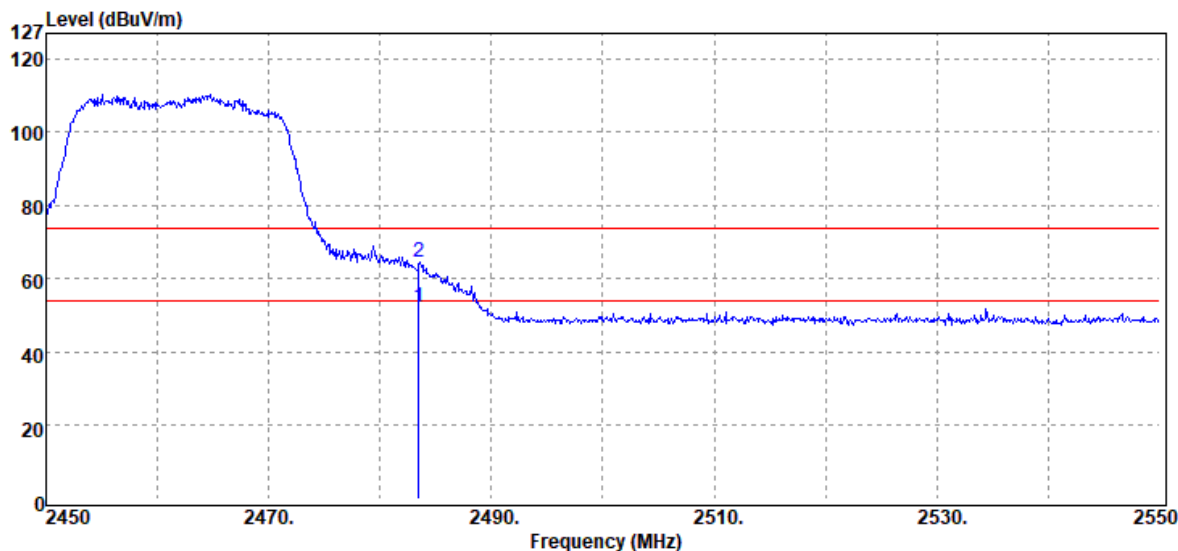
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Report Number :ER/2020/30079
 Operation Mode :802.11ax20
 Test Frequency :2462 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Date :2020-05-29
 Temp./Humi. :23.8/75
 Antenna Pol. :HORIZONTAL
 Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	44.81	7.46	52.27	54.00	-1.73
2483.50	Peak	57.34	7.46	64.80	74.00	-9.20

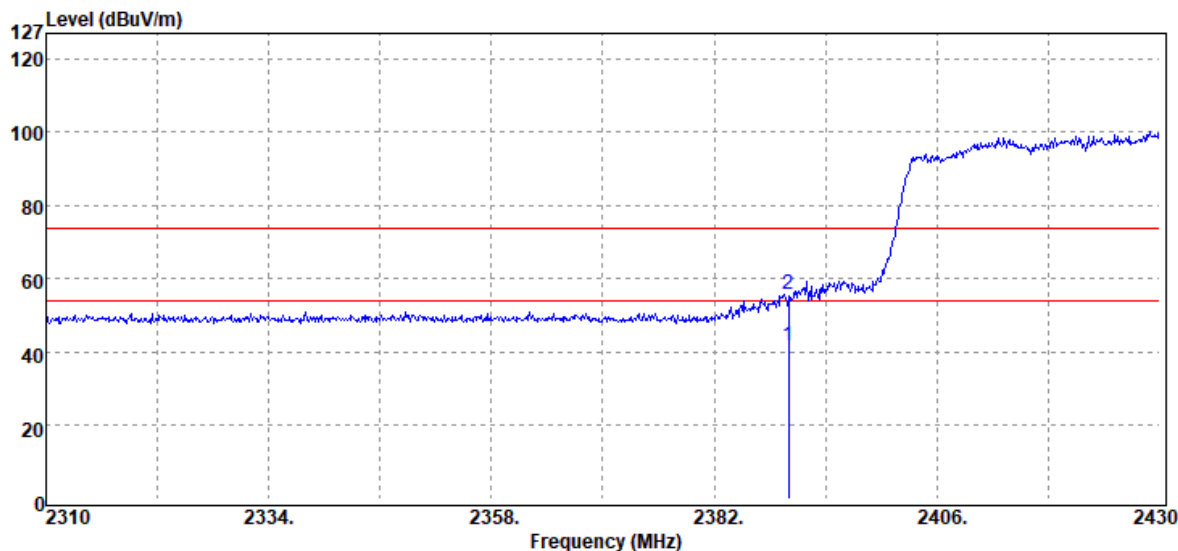
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Report Number :ER/2020/30079
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Date :2020-05-29
 Temp./Humi. :23.8/75
 Antenna Pol. :VERTICAL
 Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	34.45	7.46	41.91	54.00	-12.09
2390.00	Peak	48.23	7.46	55.69	74.00	-18.31

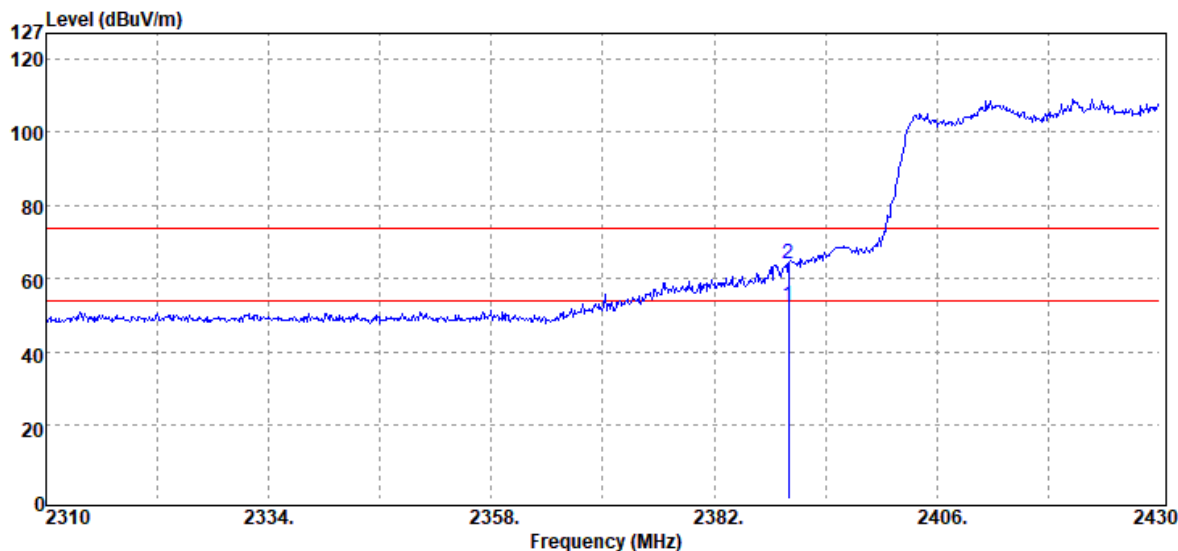
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Report Number :ER/2020/30079
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Date :2020-05-29
 Temp./Humi. :23.8/75
 Antenna Pol. :HORIZONTAL
 Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	45.21	7.46	52.67	54.00	-1.33
2390.00	Peak	56.68	7.46	64.14	74.00	-9.86

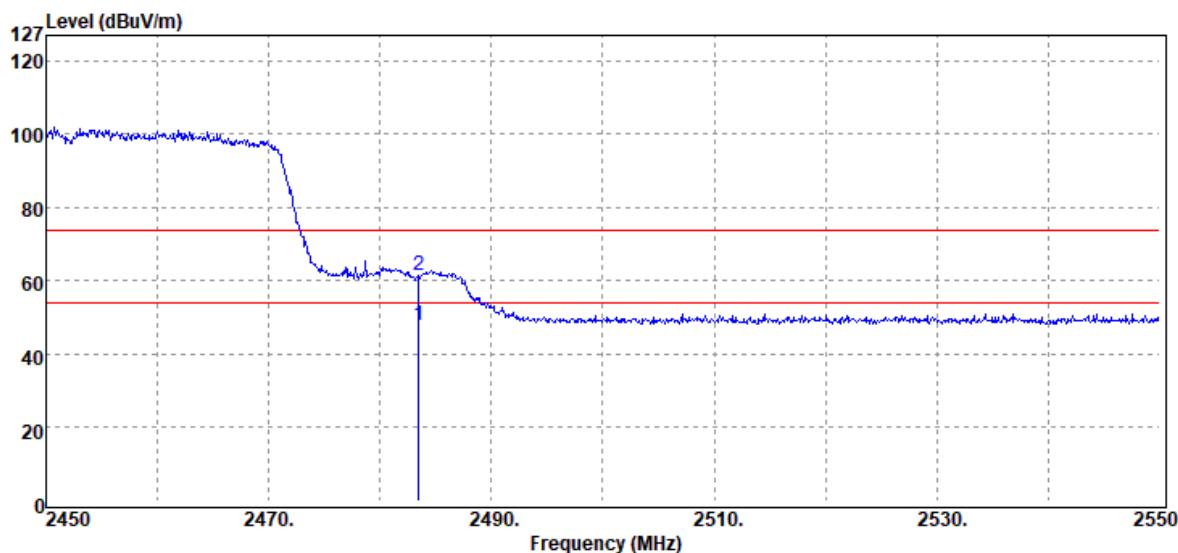
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Report Number :ER/2020/30079
Operation Mode :802.11ax40
Test Frequency :2452 MHz
Test Mode :Bandedge CH High
EUT Pol :E2 Plane

Test Date :2020-05-29
Temp./Humi. :23.8/75
Antenna Pol. :VERTICAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2483.50	Average	40.29	7.46	47.75	54.00	-6.25
2483.50	Peak	54.09	7.46	61.55	74.00	-12.45

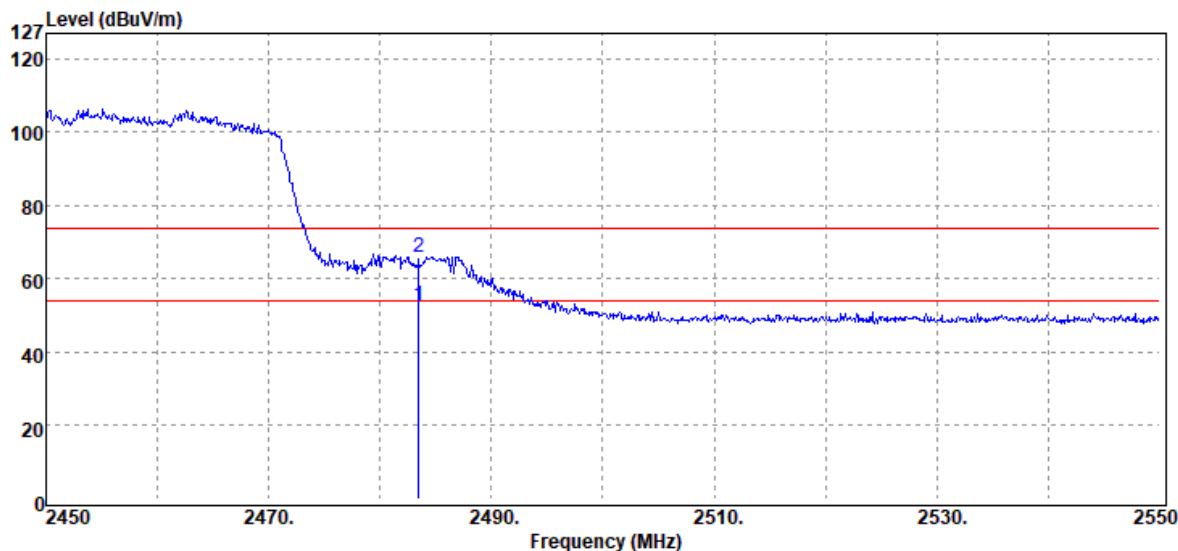
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Report Number :ER/2020/30079
Operation Mode :802.11ax40
Test Frequency :2452 MHz
Test Mode :Bandedge CH High
EUT Pol :E2 Plane

Test Date :2020-05-29
Temp./Humi. :23.8/75
Antenna Pol. :HORIZONTAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	45.33	7.46	52.79	54.00	-1.21
2483.50	Peak	58.63	7.46	66.09	74.00	-7.91

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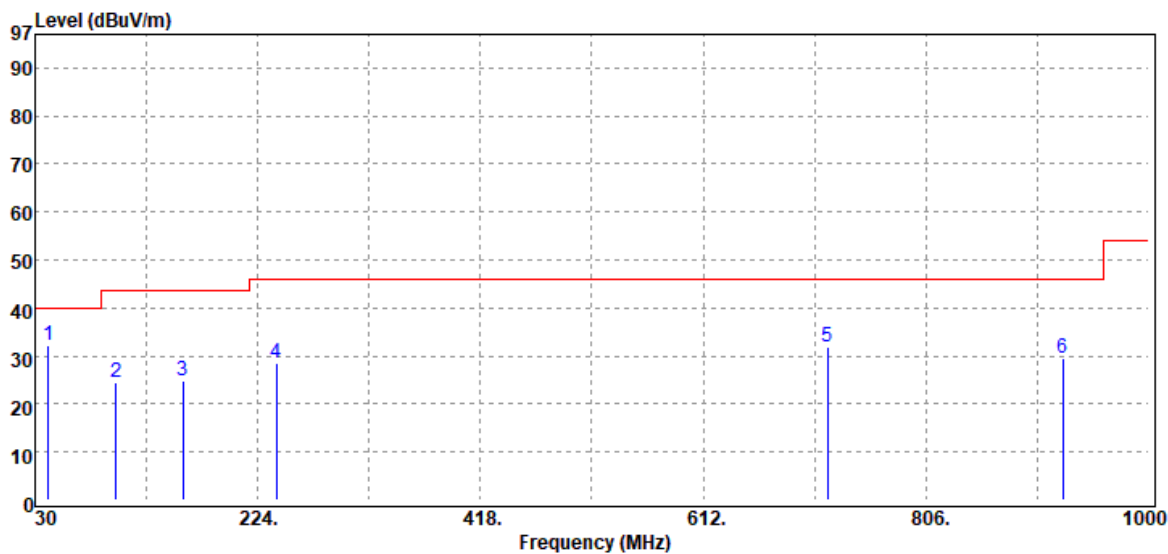
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11.7.2 Below 1GHz Worst-Case Emission:

Report Number :ER/2020/30079
Operation Mode :802.11g
Test Frequency :2437 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :VERTICAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
41.64	Peak	43.19	-10.86	32.33	40.00	-7.67
100.81	Peak	36.98	-12.47	24.51	43.50	-18.99
159.01	Peak	37.18	-12.27	24.91	43.50	-18.59
240.49	Peak	38.67	-10.12	28.55	46.00	-17.45
720.64	Peak	34.49	-2.67	31.82	46.00	-14.18
925.31	Peak	28.95	0.65	29.60	46.00	-16.40

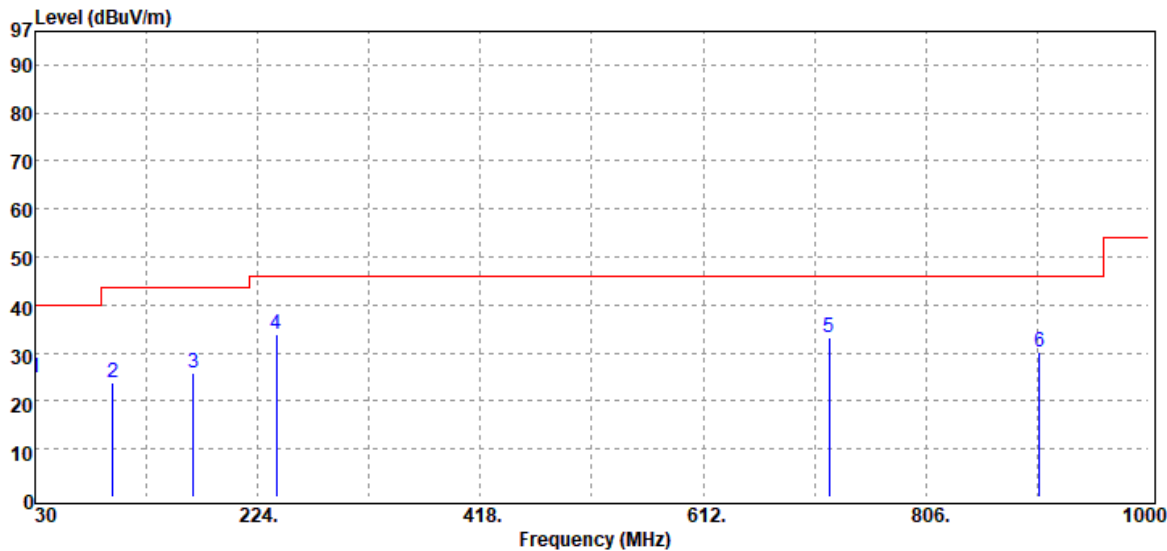
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Report Number :ER/2020/30079
Operation Mode :802.11g
Test Frequency :2437 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :HORIZONTAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
30.00	Peak	29.46	-4.56	24.90	40.00	-15.10
97.90	Peak	36.54	-12.78	23.76	43.50	-19.74
167.74	Peak	38.51	-12.79	25.72	43.50	-17.78
240.49	Peak	43.91	-10.12	33.79	46.00	-12.21
721.61	Peak	35.90	-2.67	33.23	46.00	-12.77
904.94	Peak	29.24	0.95	30.19	46.00	-15.81

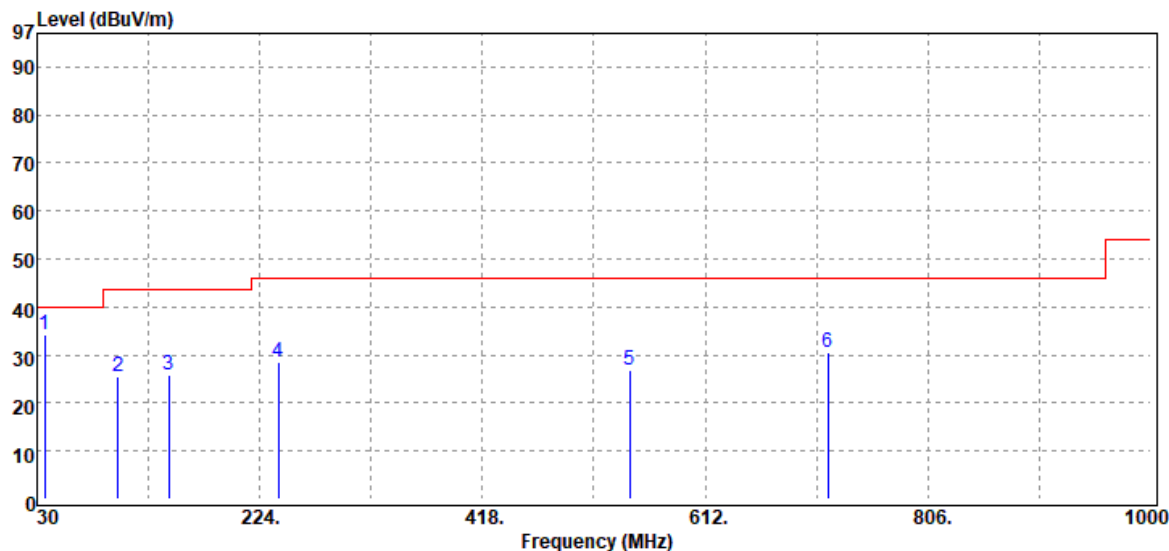
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Report Number :ER/2020/30079
Operation Mode :802.11n40
Test Frequency :2437 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :VERTICAL
Engineer :Thomas



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
36.79	Peak	42.38	-8.04	34.34	40.00	-5.66
100.81	Peak	38.13	-12.47	25.66	43.50	-17.84
144.46	Peak	37.61	-11.84	25.77	43.50	-17.73
240.49	Peak	38.66	-10.12	28.54	46.00	-17.46
546.04	Peak	31.20	-4.27	26.93	46.00	-19.07
718.70	Peak	33.12	-2.61	30.51	46.00	-15.49

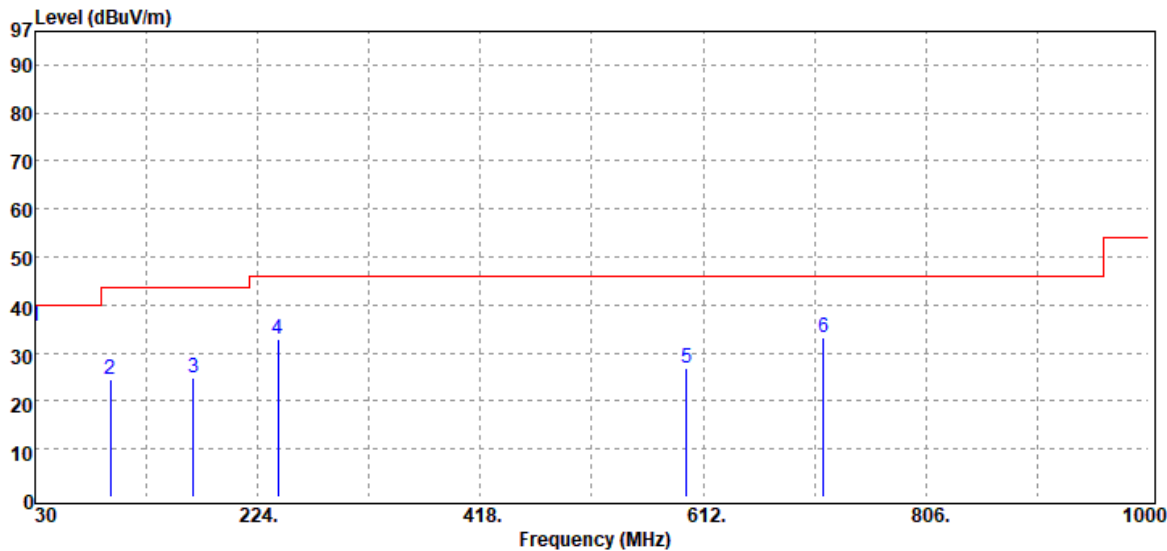
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Report Number :ER/2020/30079
Operation Mode :802.11n40
Test Frequency :2437 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :HORIZONTAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
30.00	Peak	39.98	-4.56	35.42	40.00	-4.58
95.96	Peak	37.57	-13.08	24.49	43.50	-19.01
167.74	Peak	37.75	-12.79	24.96	43.50	-18.54
241.46	Peak	43.06	-10.05	33.01	46.00	-12.99
597.45	Peak	30.26	-3.44	26.82	46.00	-19.18
716.76	Peak	35.91	-2.52	33.39	46.00	-12.61

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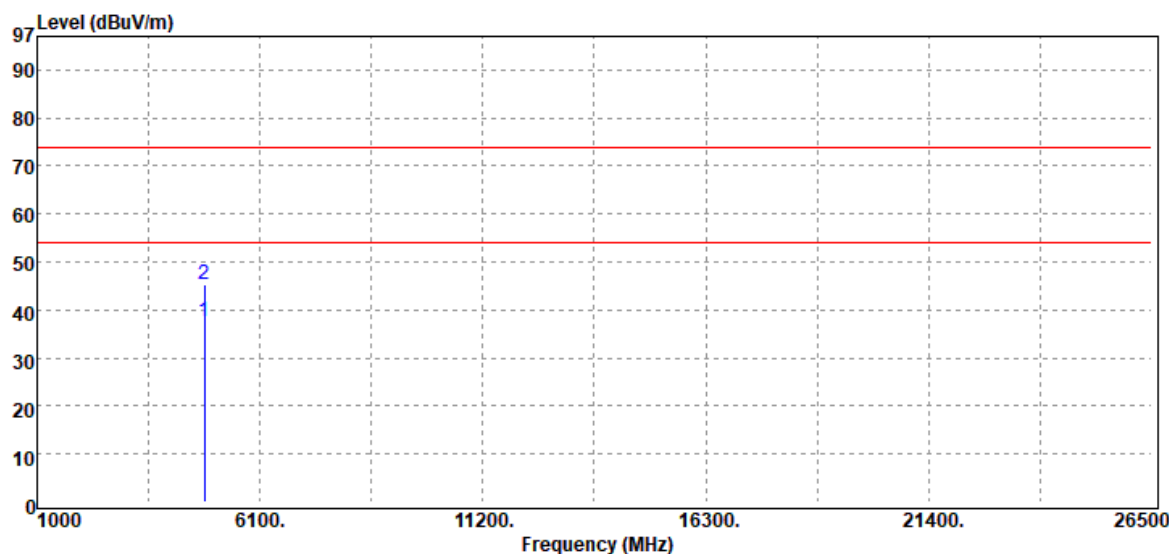
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11.7.3 Above 1GHz Emission:

Report Number :ER/2020/30079
 Operation Mode :802.11b
 Test Frequency :2412 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Date :2020-05-30
 Temp./Humi. :24.9/74
 Antenna Pol. : VERTICAL
 Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.00	Average	23.17	14.56	37.73	54.00	-16.27
4824.00	Peak	30.84	14.56	45.40	74.00	-28.60

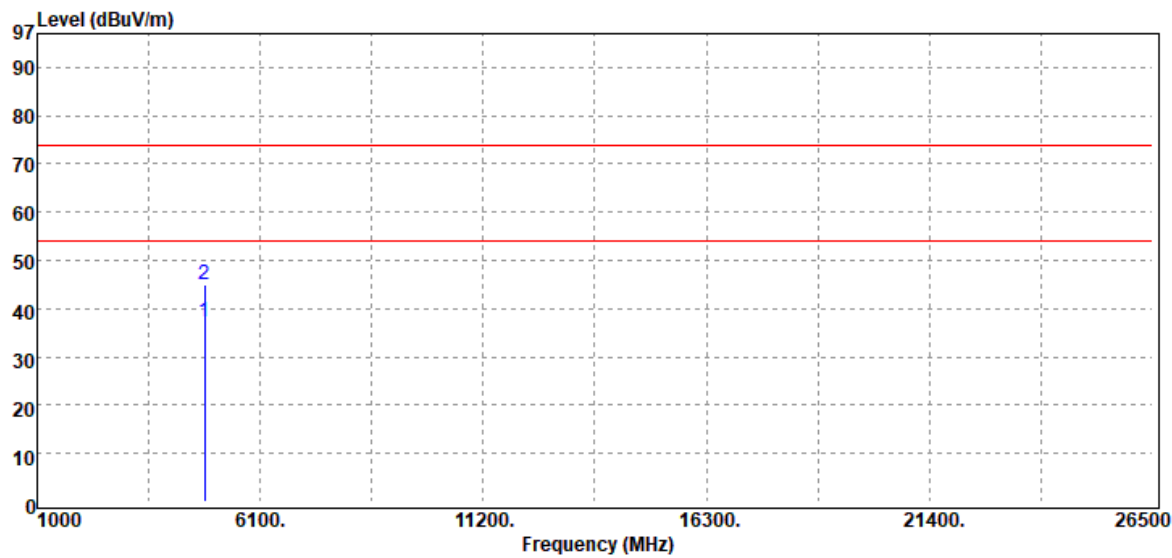
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Report Number :ER/2020/30079
Operation Mode :802.11b
Test Frequency :2412 MHz
Test Mode :Tx CH Low
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :HORIZONTAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.00	Average	22.66	14.56	37.22	54.00	-16.78
4824.00	Peak	30.53	14.56	45.09	74.00	-28.91

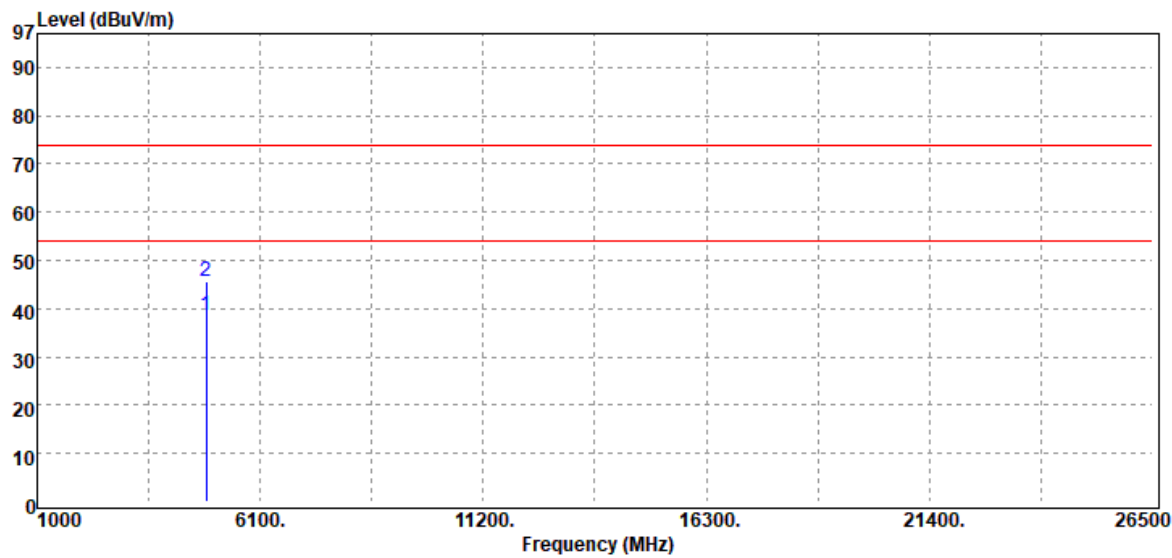
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Report Number :ER/2020/30079
Operation Mode :802.11b
Test Frequency :2437 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :VERTICAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.00	Average	23.66	14.85	38.51	54.00	-15.49
4874.00	Peak	30.71	14.85	45.56	74.00	-28.44

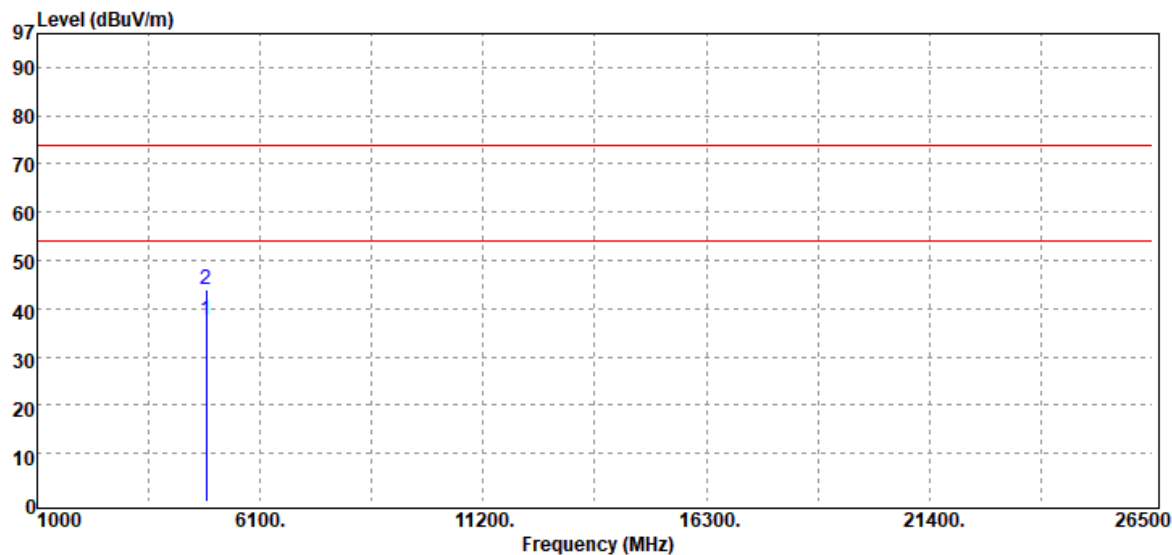
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Report Number :ER/2020/30079
Operation Mode :802.11b
Test Frequency :2437 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :HORIZONTAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.00	Average	22.62	14.85	37.47	54.00	-16.53
4874.00	Peak	29.22	14.85	44.07	74.00	-29.93

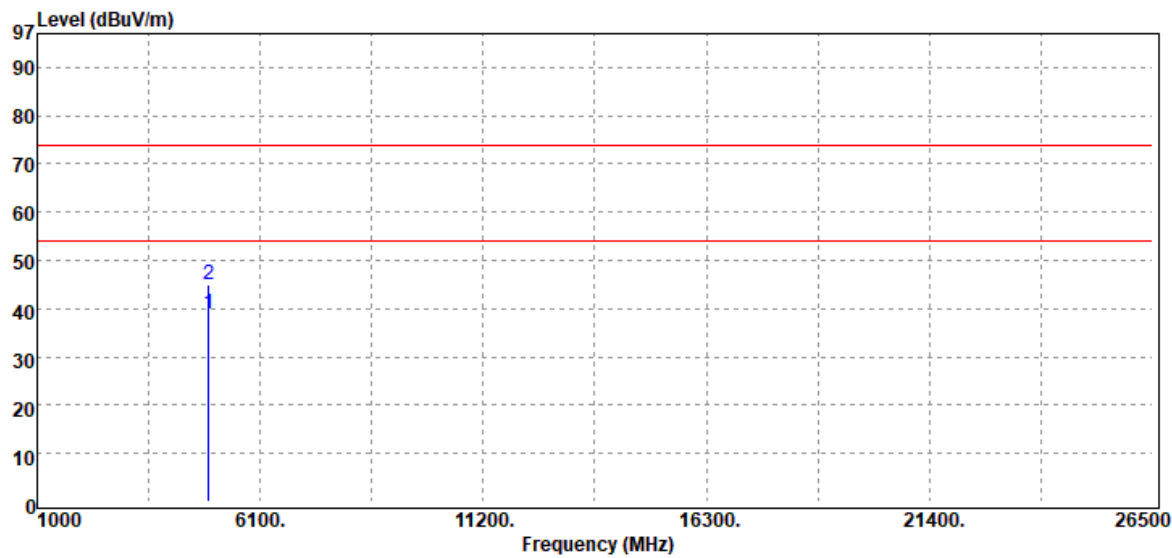
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Report Number :ER/2020/30079
Operation Mode :802.11b
Test Frequency :2462 MHz
Test Mode :Tx CH High
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :VERTICAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4924.00	Average	24.15	14.87	39.02	54.00	-14.98
4924.00	Peak	30.07	14.87	44.94	74.00	-29.06

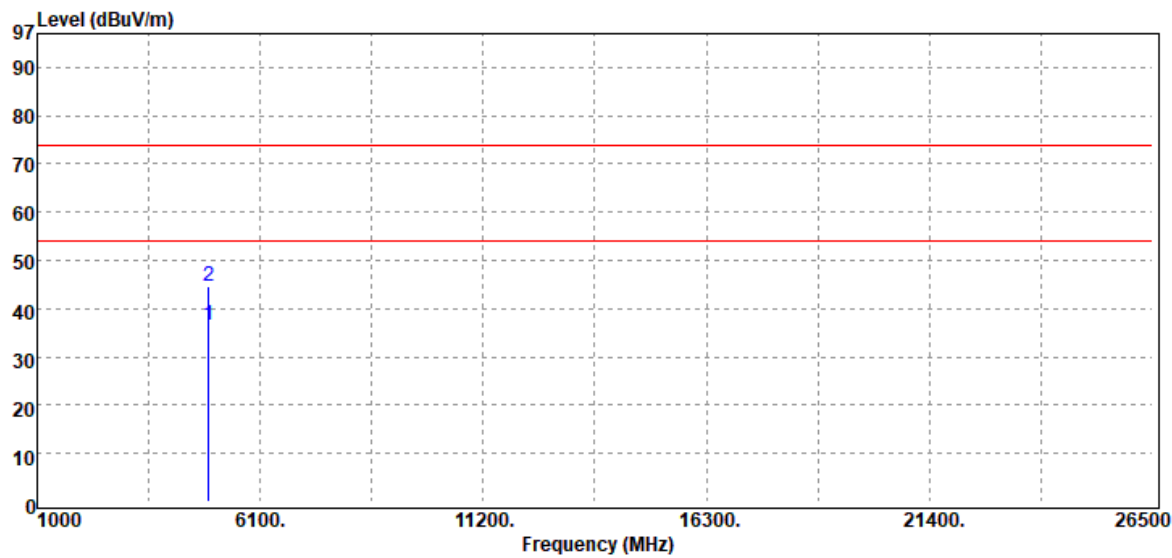
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Report Number :ER/2020/30079
 Operation Mode :802.11b
 Test Frequency :2462 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Date :2020-05-30
 Temp./Humi. :24.9/74
 Antenna Pol. :HORIZONTAL
 Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.00	Average	21.73	14.87	36.60	54.00	-17.40
4924.00	Peak	29.80	14.87	44.67	74.00	-29.33

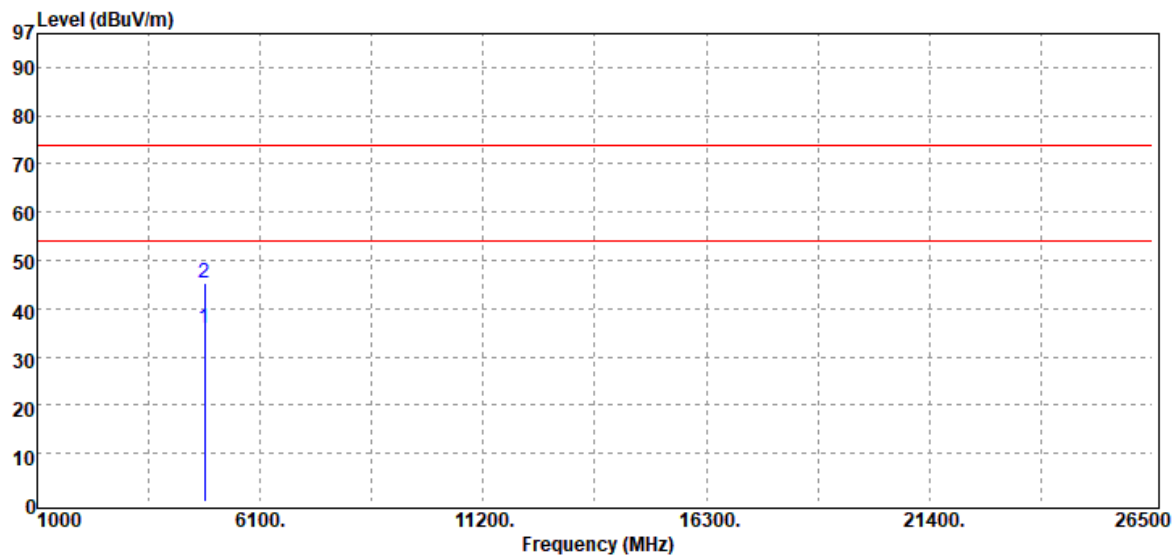
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Report Number :ER/2020/30079
Operation Mode :802.11g
Test Frequency :2412 MHz
Test Mode :Tx CH Low
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :VERTICAL
Engineer :Thomas



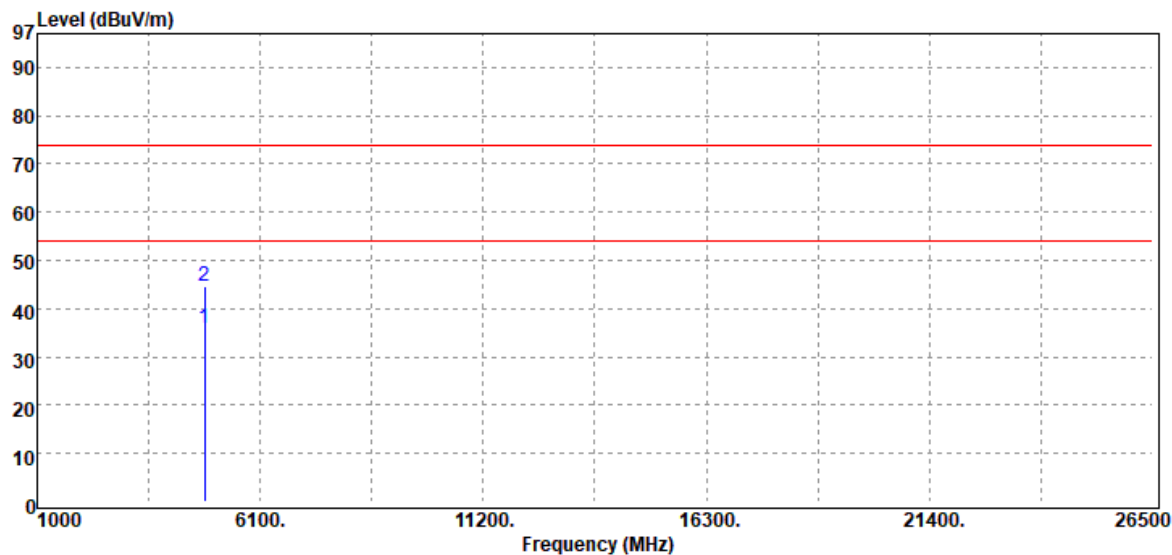
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.00	Average	21.24	14.56	35.80	54.00	-18.20
4824.00	Peak	30.59	14.56	45.15	74.00	-28.85

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Report Number :ER/2020/30079
Operation Mode :802.11g
Test Frequency :2412 MHz
Test Mode :Tx CH Low
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :HORIZONTAL
Engineer :Thomas


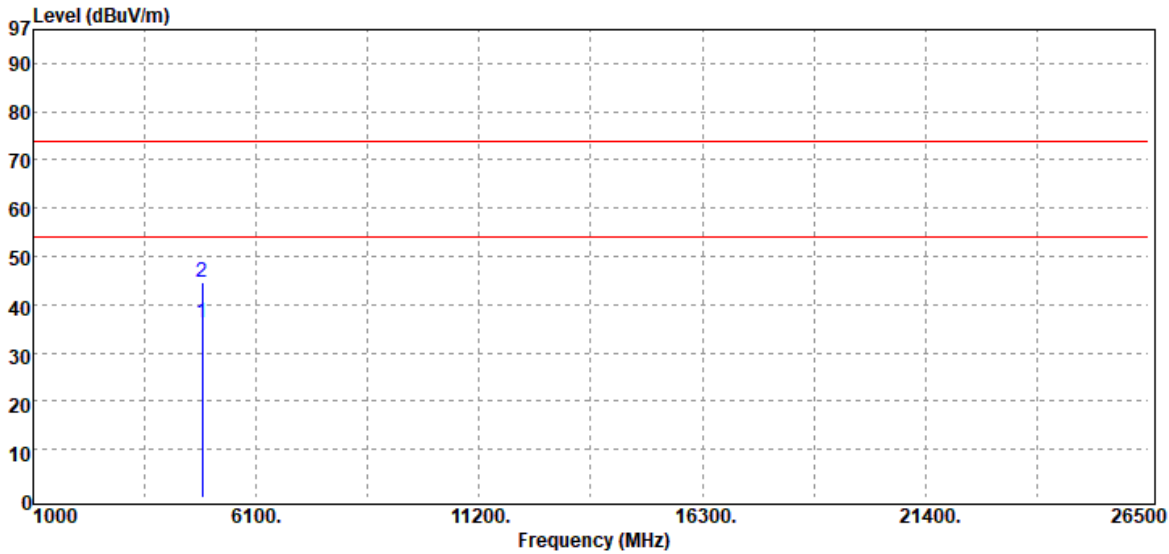
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.00	Average	21.22	14.56	35.78	54.00	-18.22
4824.00	Peak	30.13	14.56	44.69	74.00	-29.31

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Report Number :ER/2020/30079
Operation Mode :802.11g
Test Frequency :2437 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :VERTICAL
Engineer :Thomas


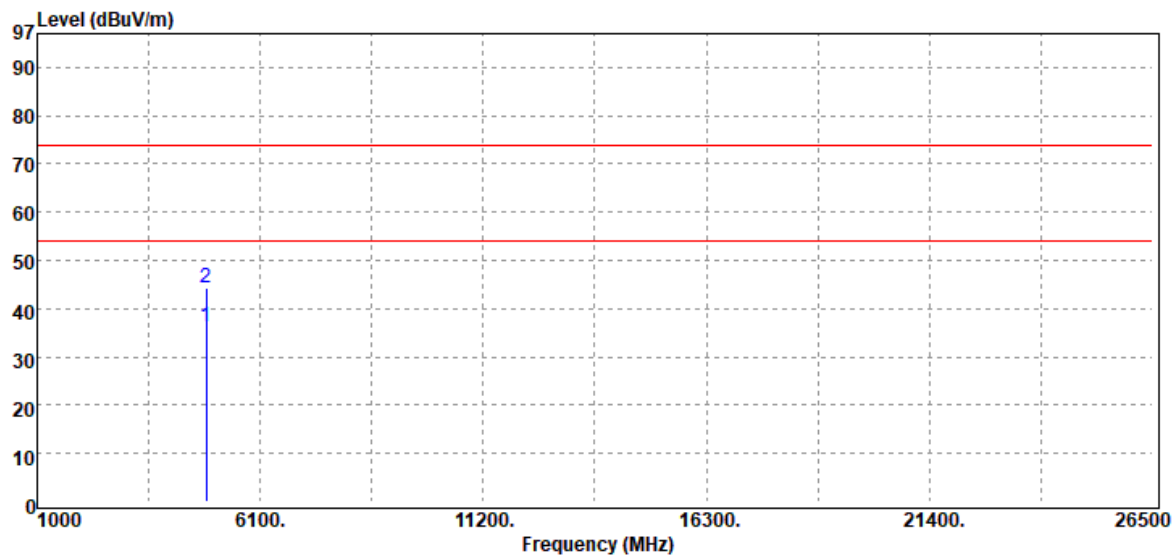
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4874.00	Average	21.38	14.85	36.23	54.00	-17.77
4874.00	Peak	29.84	14.85	44.69	74.00	-29.31

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Report Number :ER/2020/30079
Operation Mode :802.11g
Test Frequency :2437 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :HORIZONTAL
Engineer :Thomas


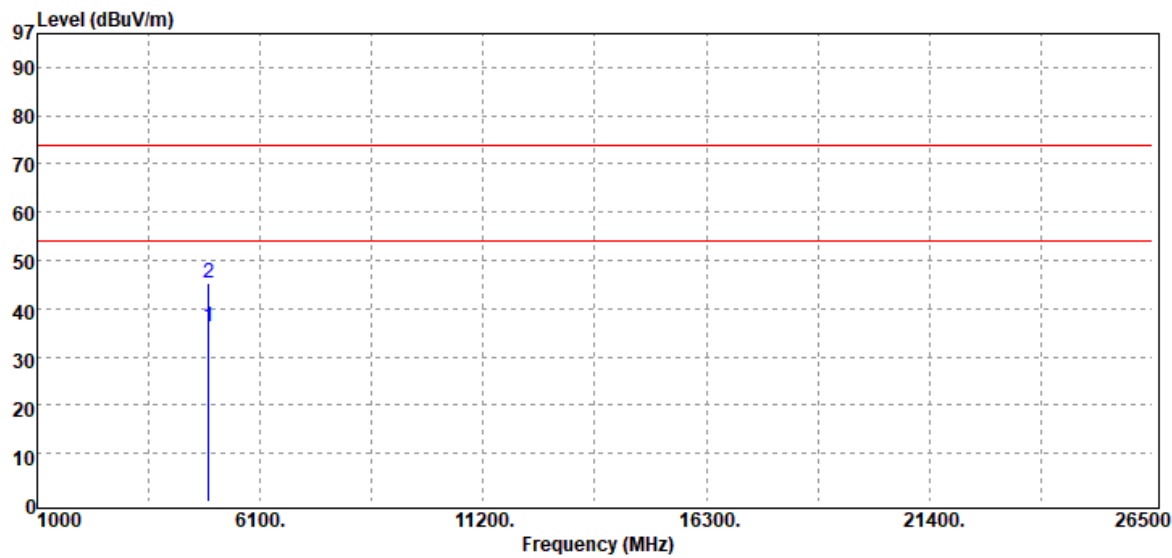
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.00	Average	21.29	14.85	36.14	54.00	-17.86
4874.00	Peak	29.58	14.85	44.43	74.00	-29.57

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Report Number :ER/2020/30079
Operation Mode :802.11g
Test Frequency :2462 MHz
Test Mode :Tx CH High
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :VERTICAL
Engineer :Thomas


Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.00	Average	21.26	14.87	36.13	54.00	-17.87
4924.00	Peak	30.51	14.87	45.38	74.00	-28.62

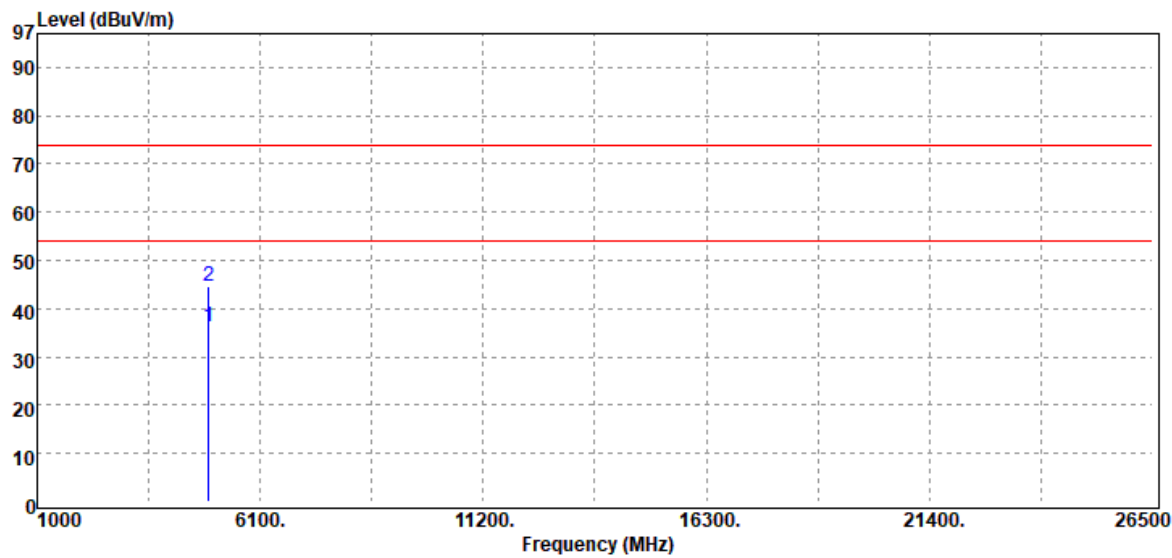
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Report Number :ER/2020/30079
Operation Mode :802.11g
Test Frequency :2462 MHz
Test Mode :Tx CH High
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :HORIZONTAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.00	Average	21.25	14.87	36.12	54.00	-17.88
4924.00	Peak	29.81	14.87	44.68	74.00	-29.32

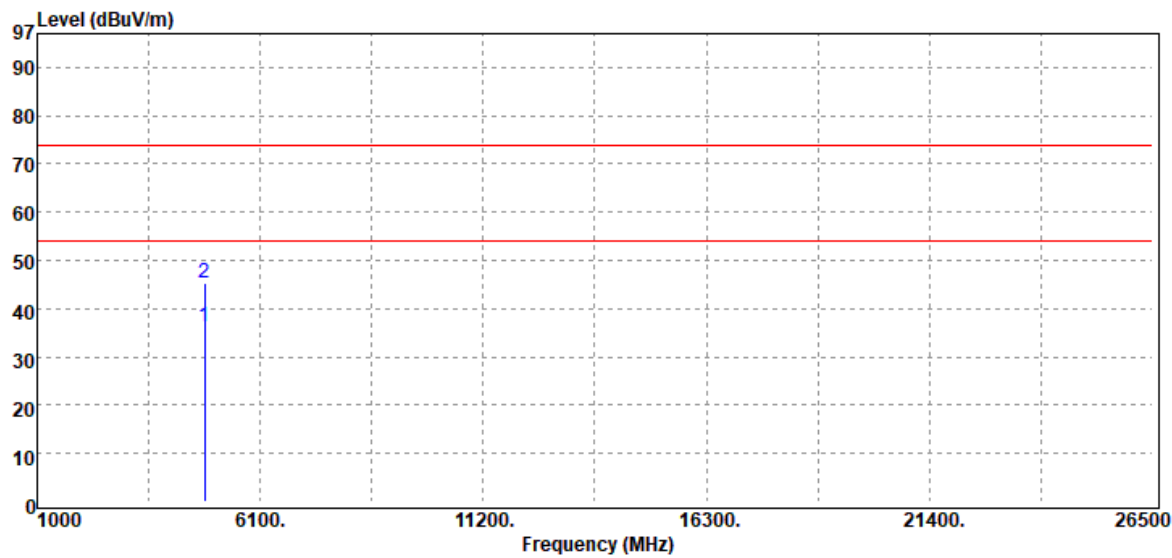
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Report Number :ER/2020/30079
Operation Mode :802.11n20
Test Frequency :2412 MHz
Test Mode :Tx CH Low
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :VERTICAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4824.00	Average	21.67	14.56	36.23	54.00	-17.77
4824.00	Peak	30.62	14.56	45.18	74.00	-28.82

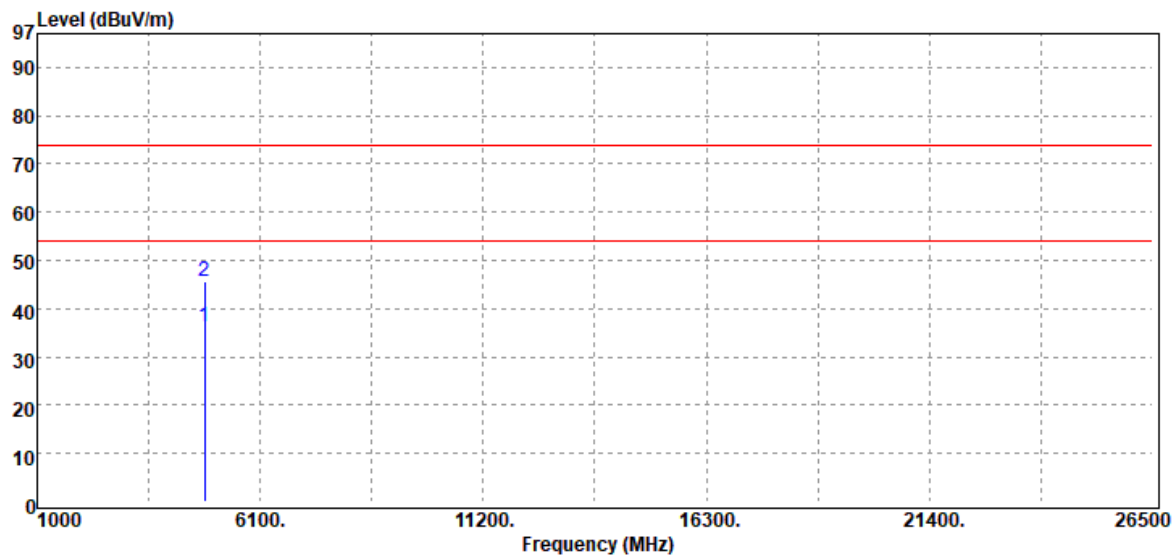
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Report Number :ER/2020/30079
Operation Mode :802.11n20
Test Frequency :2412 MHz
Test Mode :Tx CH Low
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :HORIZONTAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.00	Average	21.62	14.56	36.18	54.00	-17.82
4824.00	Peak	30.95	14.56	45.51	74.00	-28.49

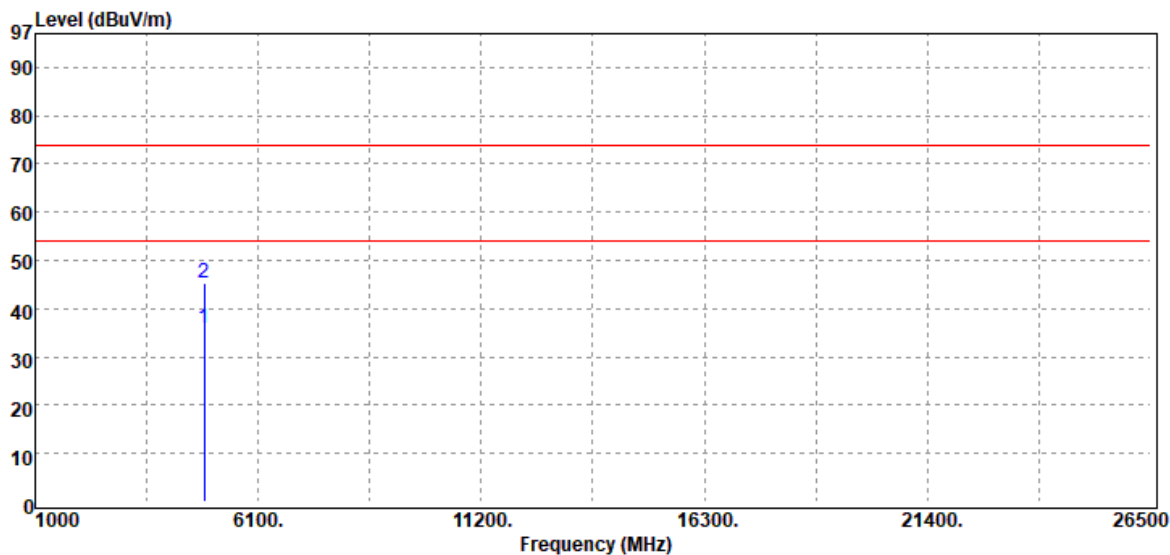
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Report Number :ER/2020/30079
Operation Mode :802.11n20
Test Frequency :2437 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :VERTICAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4874.00	Average	21.18	14.85	36.03	54.00	-17.97
4874.00	Peak	30.33	14.85	45.18	74.00	-28.82

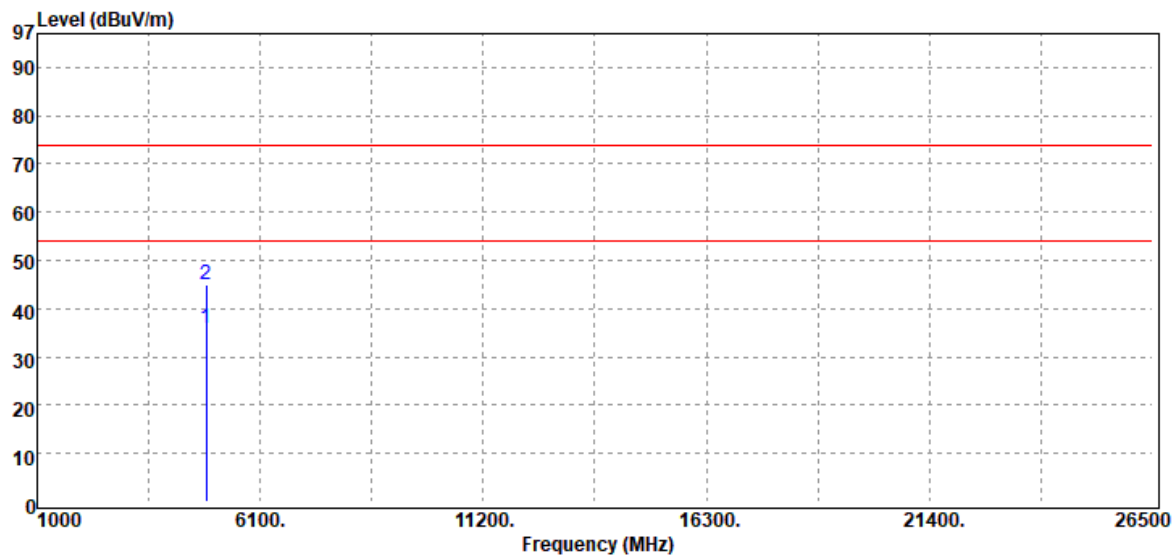
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Report Number :ER/2020/30079
Operation Mode :802.11n20
Test Frequency :2437 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :HORIZONTAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.00	Average	21.21	14.85	36.06	54.00	-17.94
4874.00	Peak	30.25	14.85	45.10	74.00	-28.90

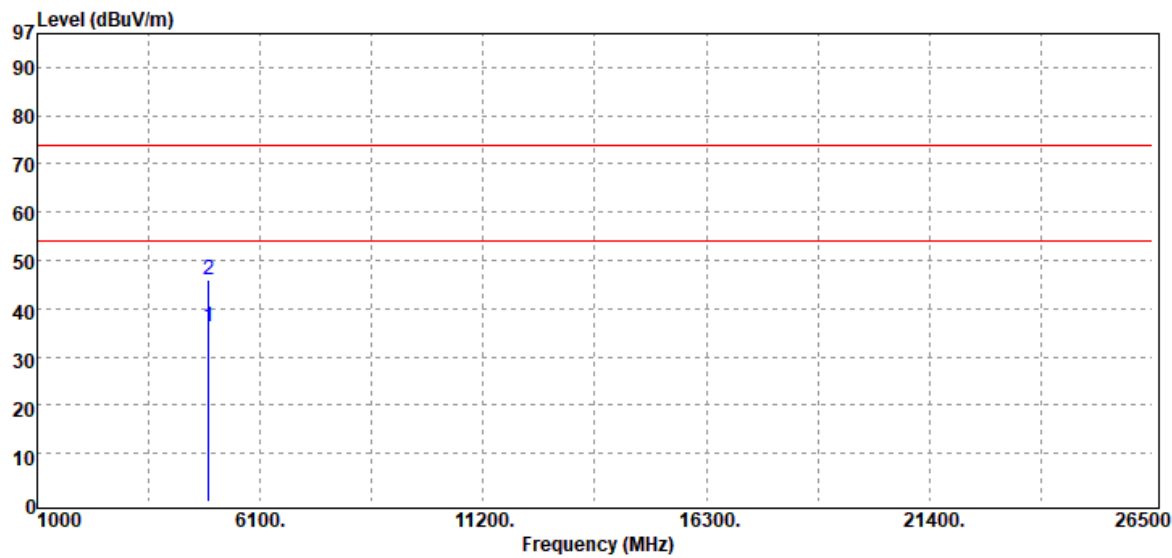
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Report Number :ER/2020/30079
Operation Mode :802.11n20
Test Frequency :2462 MHz
Test Mode :Tx CH High
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :VERTICAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4924.00	Average	21.33	14.87	36.20	54.00	-17.80
4924.00	Peak	31.19	14.87	46.06	74.00	-27.94

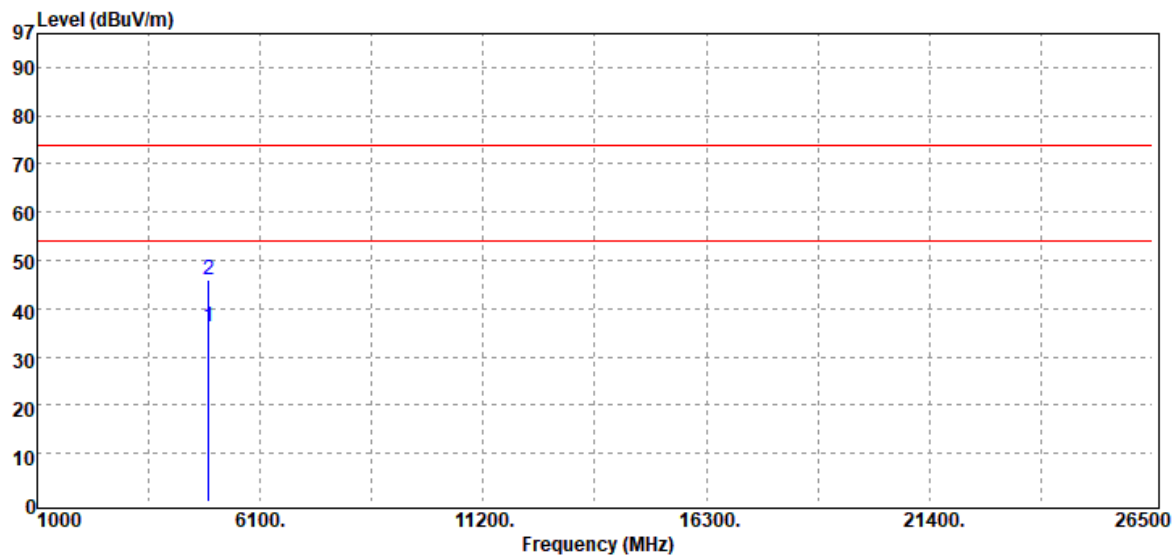
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Report Number :ER/2020/30079
Operation Mode :802.11n20
Test Frequency :2462 MHz
Test Mode :Tx CH High
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :HORIZONTAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.00	Average	21.43	14.87	36.30	54.00	-17.70
4924.00	Peak	31.06	14.87	45.93	74.00	-28.07

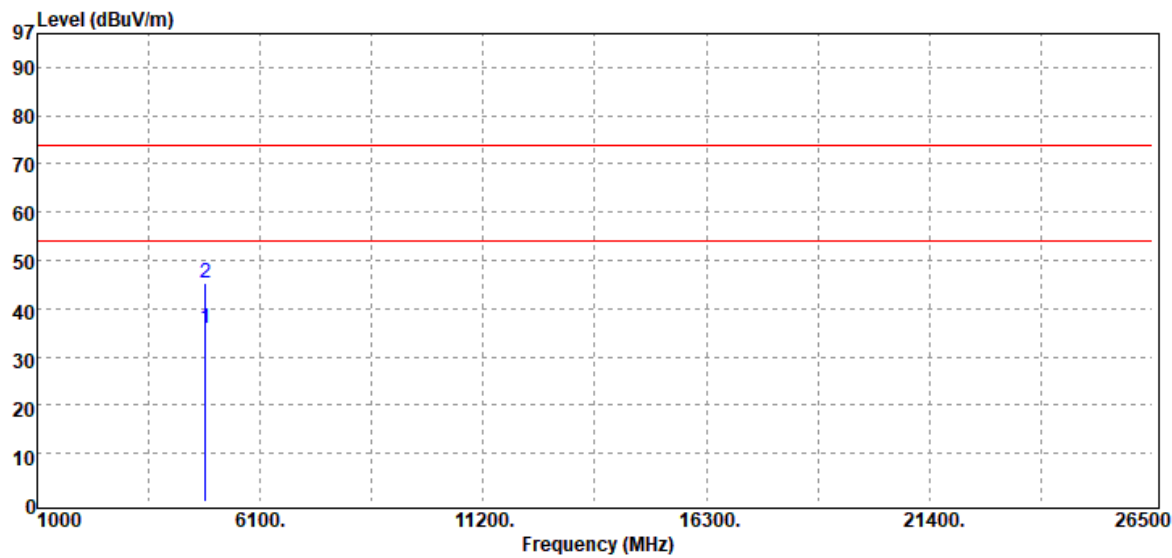
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Report Number :ER/2020/30079
 Operation Mode :802.11n40
 Test Frequency :2422 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Date :2020-05-30
 Temp./Humi. :24.9/74
 Antenna Pol. :VERTICAL
 Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4844.00	Average	21.42	14.58	36.00	54.00	-18.00
4844.00	Peak	30.80	14.58	45.38	74.00	-28.62

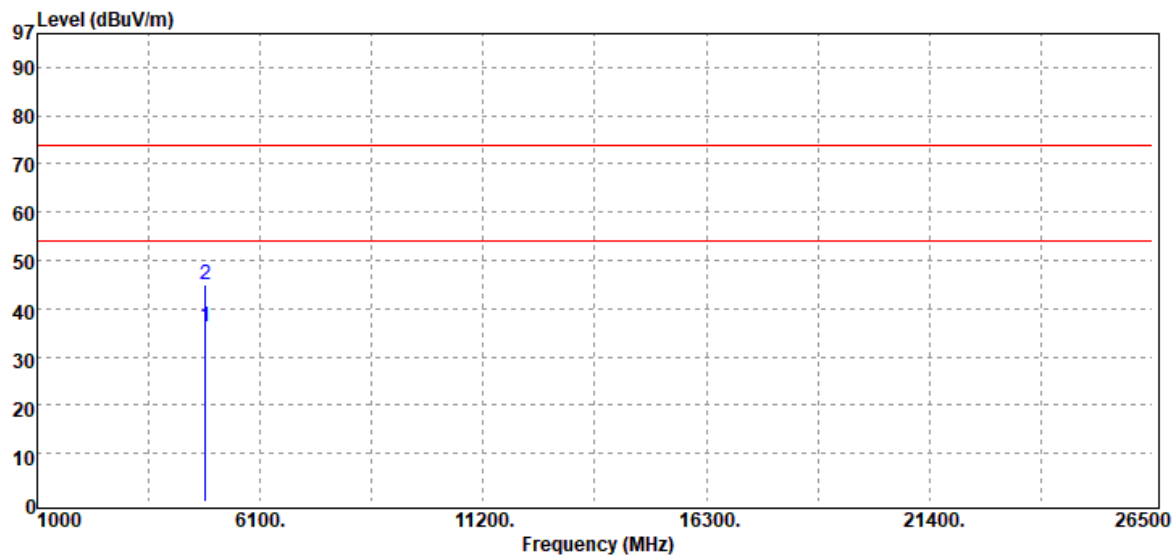
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Report Number :ER/2020/30079
Operation Mode :802.11n40
Test Frequency :2422 MHz
Test Mode :Tx CH Low
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :HORIZONTAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4844.00	Average	21.52	14.58	36.10	54.00	-17.90
4844.00	Peak	30.25	14.58	44.83	74.00	-29.17

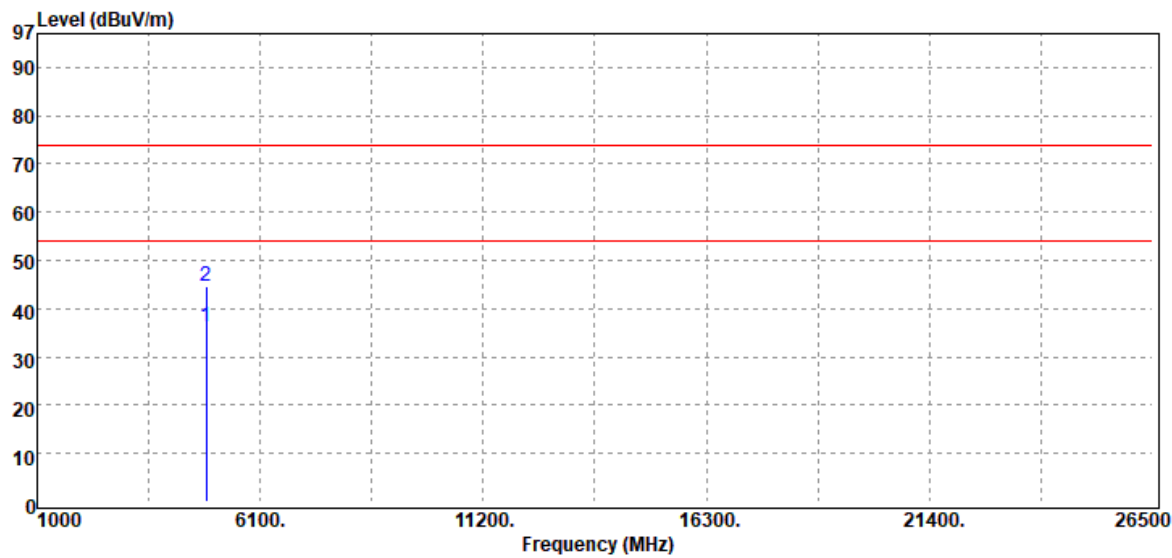
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Report Number :ER/2020/30079
Operation Mode :802.11n40
Test Frequency :2437 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :VERTICAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4874.00	Average	21.42	14.85	36.27	54.00	-17.73
4874.00	Peak	29.82	14.85	44.67	74.00	-29.33

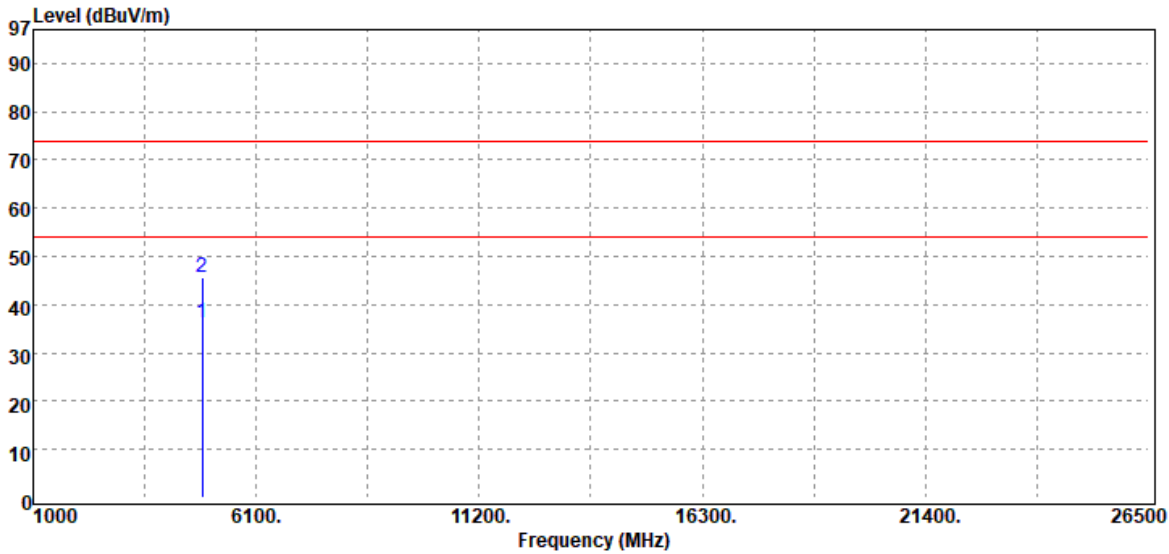
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Report Number :ER/2020/30079
Operation Mode :802.11n40
Test Frequency :2437 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :HORIZONTAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.00	Average	21.30	14.85	36.15	54.00	-17.85
4874.00	Peak	30.90	14.85	45.75	74.00	-28.25

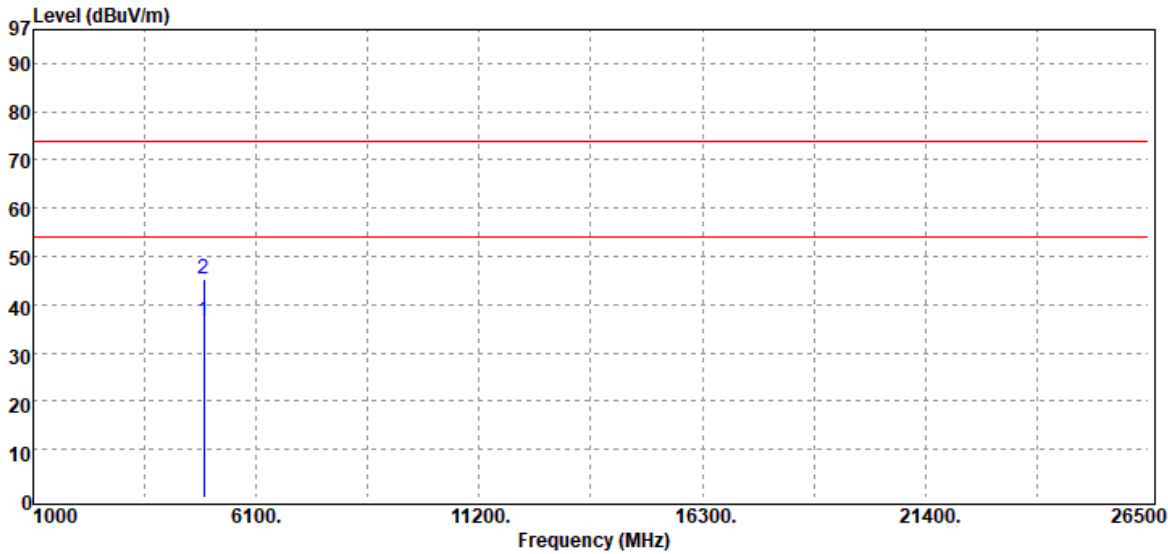
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Report Number :ER/2020/30079
Operation Mode :802.11n40
Test Frequency :2452 MHz
Test Mode :Tx CH High
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :VERTICAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4904.00	Average	21.31	15.12	36.43	54.00	-17.57
4904.00	Peak	30.17	15.12	45.29	74.00	-28.71

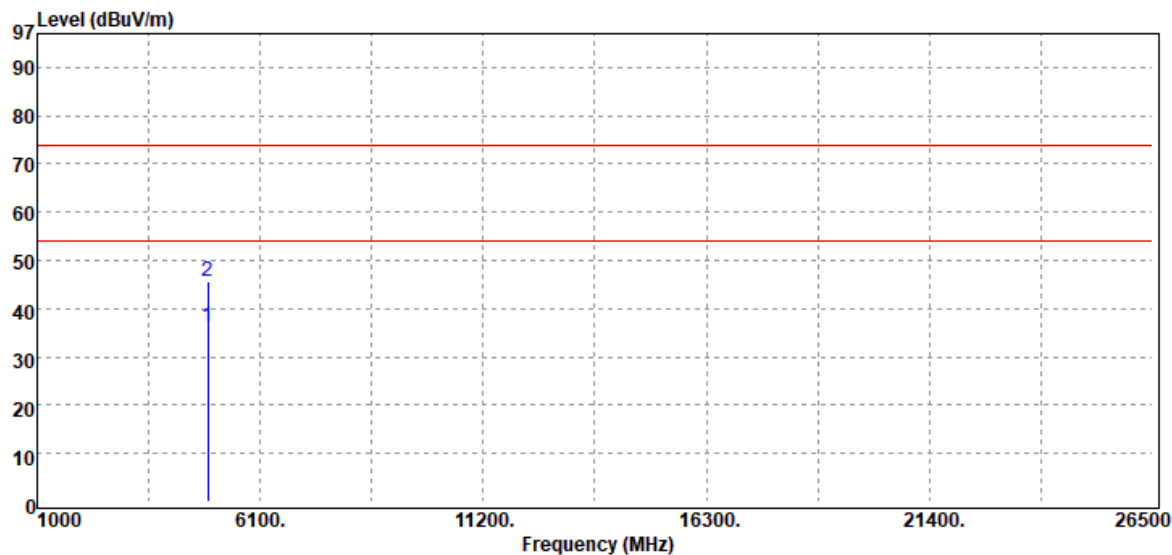
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Report Number :ER/2020/30079
Operation Mode :802.11n40
Test Frequency :2452 MHz
Test Mode :Tx CH High
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :HORIZONTAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4904.00	Average	21.20	15.12	36.32	54.00	-17.68
4904.00	Peak	30.56	15.12	45.68	74.00	-28.32

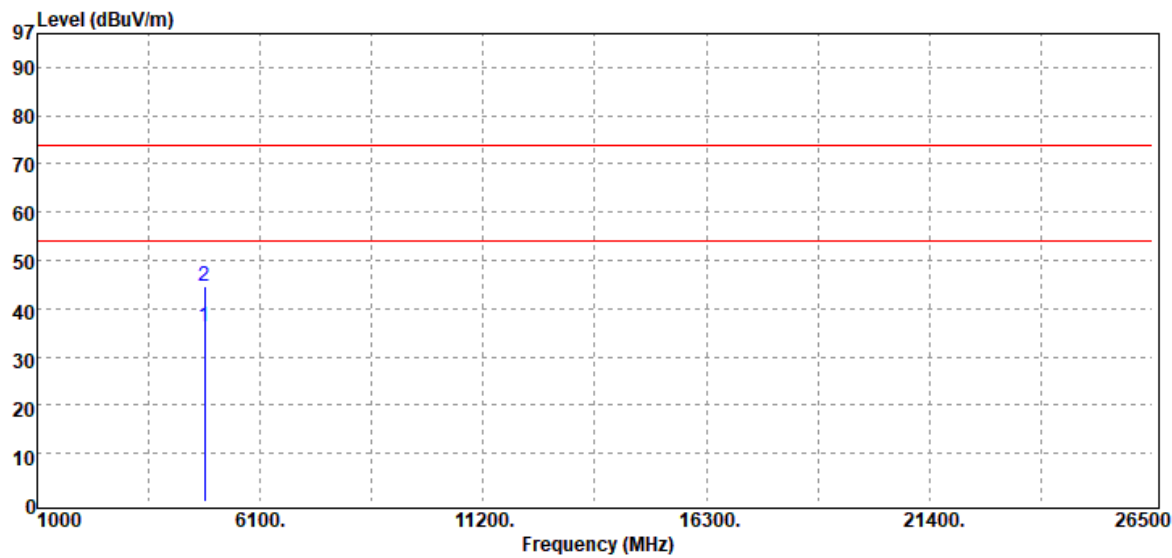
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Report Number :ER/2020/30079
Operation Mode :802.11ax20
Test Frequency :2412 MHz
Test Mode :Tx CH Low
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :VERTICAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4824.00	Average	21.58	14.56	36.14	54.00	-17.86
4824.00	Peak	30.22	14.56	44.78	74.00	-29.22

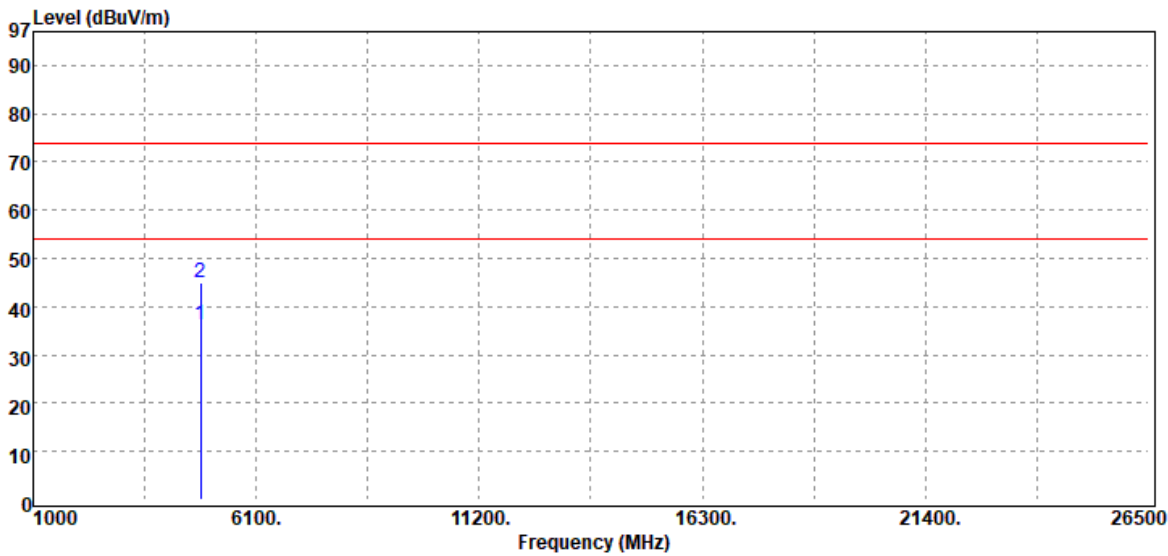
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Report Number :ER/2020/30079
Operation Mode :802.11ax20
Test Frequency :2412 MHz
Test Mode :Tx CH Low
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :HORIZONTAL
Engineer :Thomas



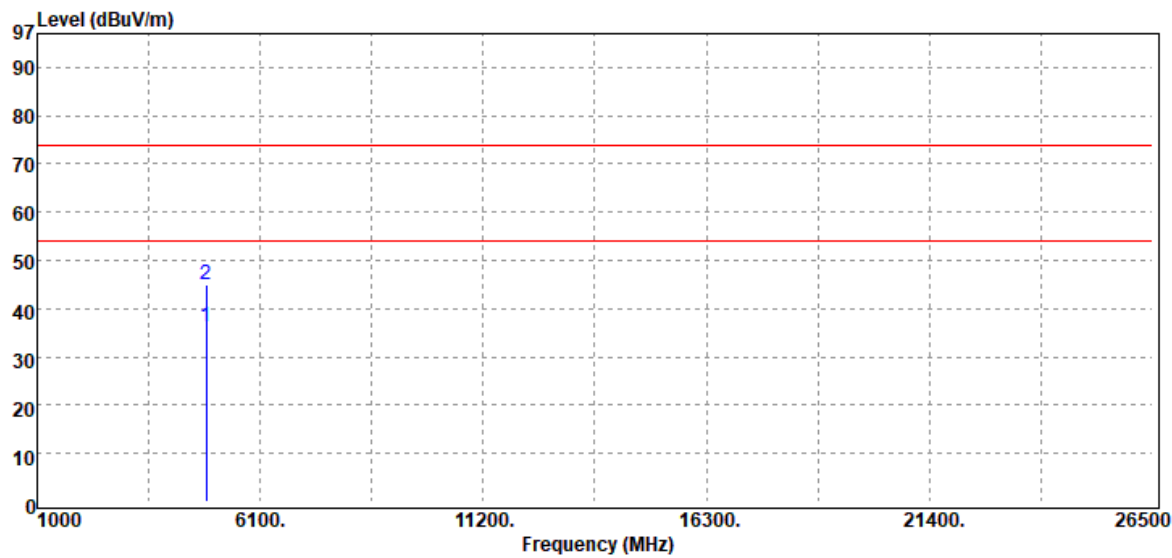
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.00	Average	21.54	14.56	36.10	54.00	-17.90
4824.00	Peak	30.50	14.56	45.06	74.00	-28.94

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Report Number :ER/2020/30079
Operation Mode :802.11ax20
Test Frequency :2437 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :VERTICAL
Engineer :Thomas


Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.00	Average	21.38	14.85	36.23	54.00	-17.77
4874.00	Peak	29.96	14.85	44.81	74.00	-29.19

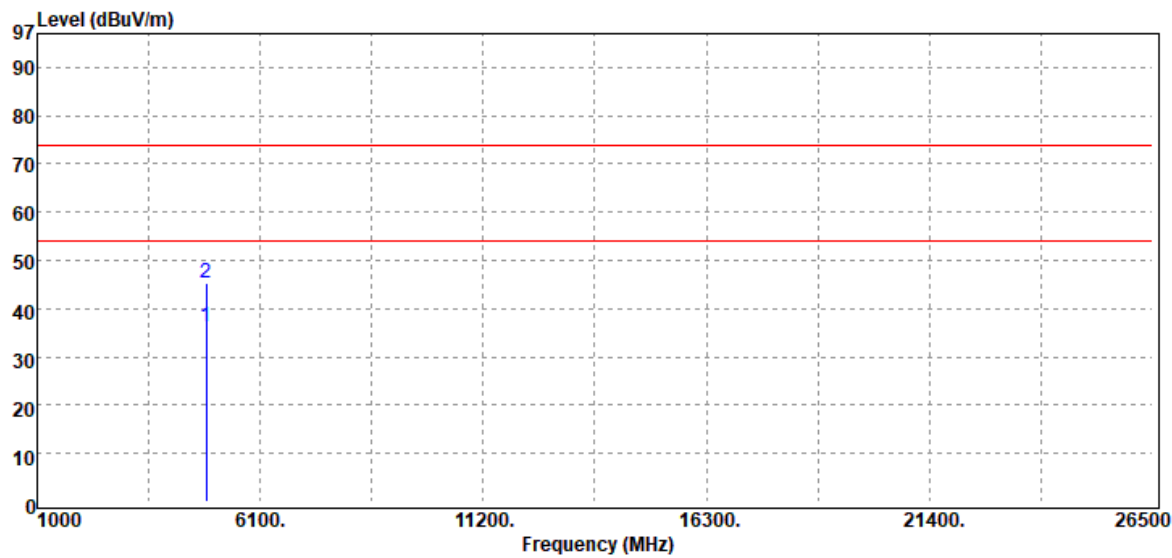
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Report Number :ER/2020/30079
Operation Mode :802.11ax20
Test Frequency :2437 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :HORIZONTAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.00	Average	21.38	14.85	36.23	54.00	-17.77
4874.00	Peak	30.48	14.85	45.33	74.00	-28.67

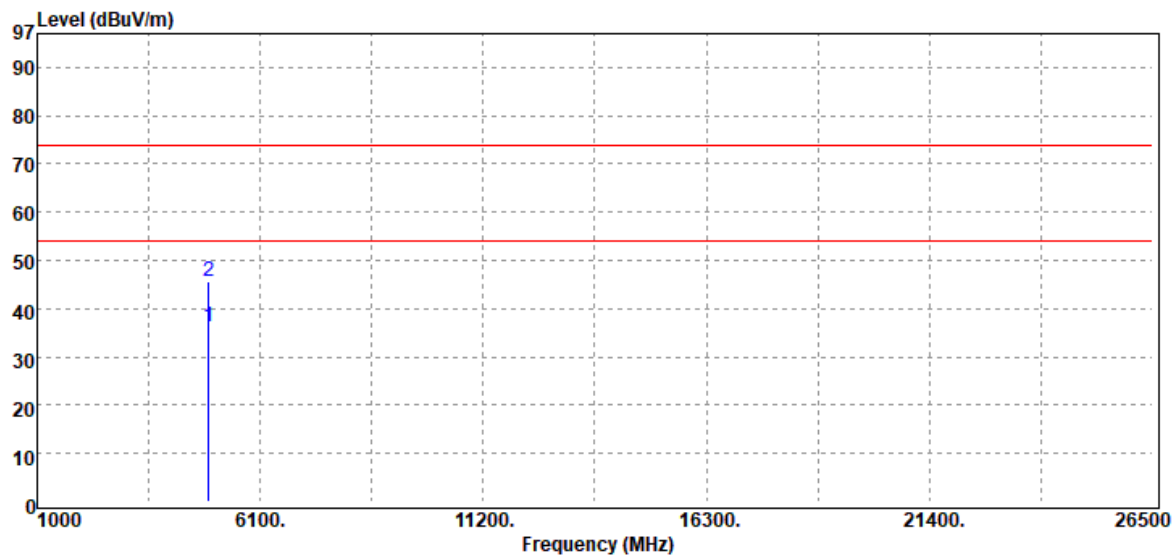
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Report Number :ER/2020/30079
 Operation Mode :802.11ax20
 Test Frequency :2462 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Date :2020-05-30
 Temp./Humi. :24.9/74
 Antenna Pol. :VERTICAL
 Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.00	Average	21.22	14.87	36.09	54.00	-17.91
4924.00	Peak	30.79	14.87	45.66	74.00	-28.34

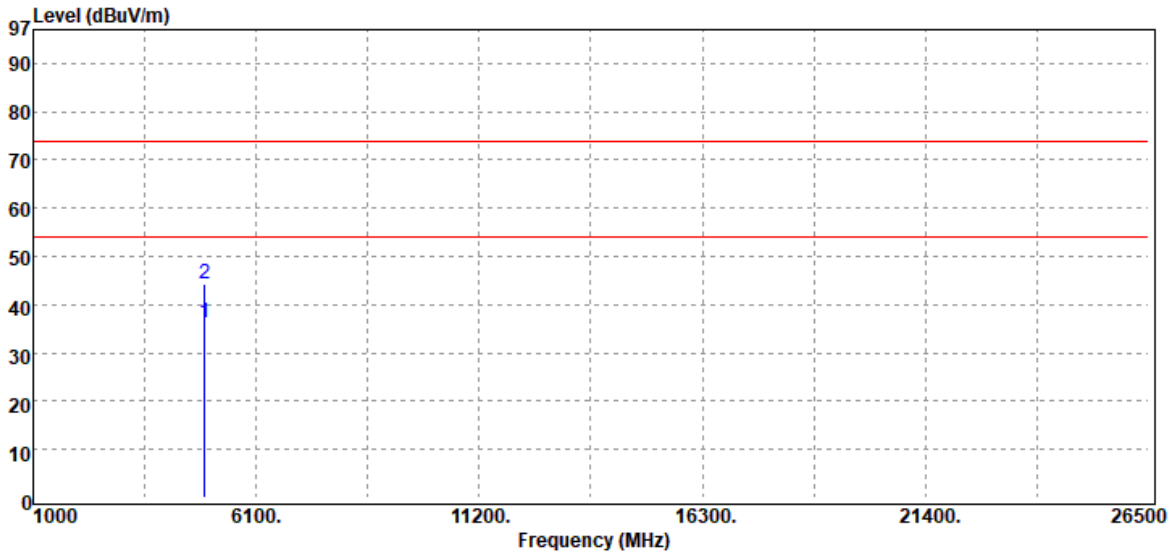
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Report Number :ER/2020/30079
Operation Mode :802.11ax20
Test Frequency :2462 MHz
Test Mode :Tx CH High
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :HORIZONTAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.00	Average	21.26	14.87	36.13	54.00	-17.87
4924.00	Peak	29.58	14.87	44.45	74.00	-29.55

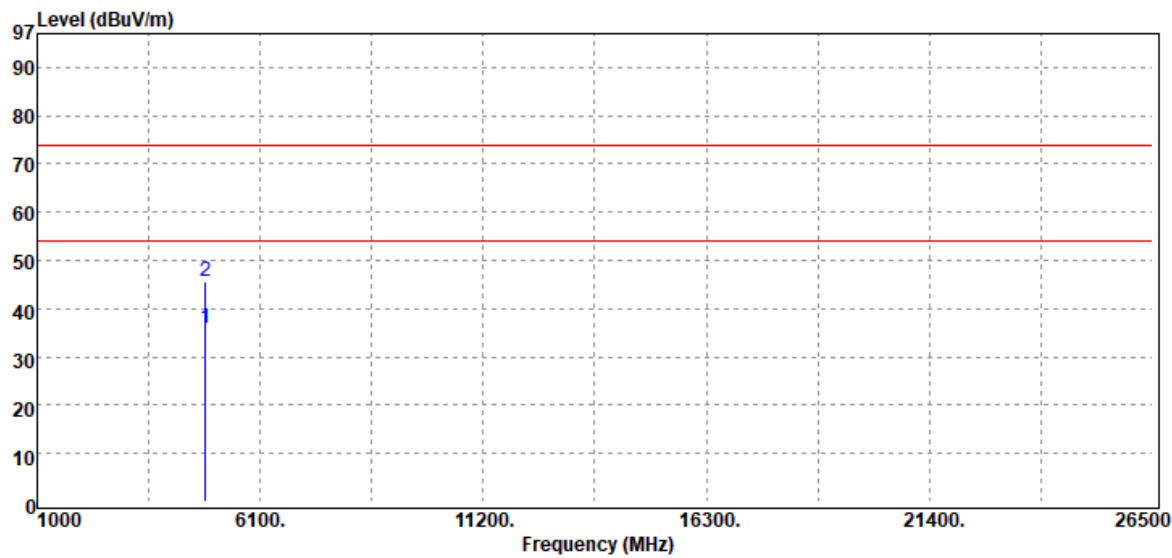
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Report Number :ER/2020/30079
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Date :2020-05-30
 Temp./Humi. :24.9/74
 Antenna Pol. :VERTICAL
 Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4844.00	Average	21.47	14.58	36.05	54.00	-17.95
4844.00	Peak	30.94	14.58	45.52	74.00	-28.48

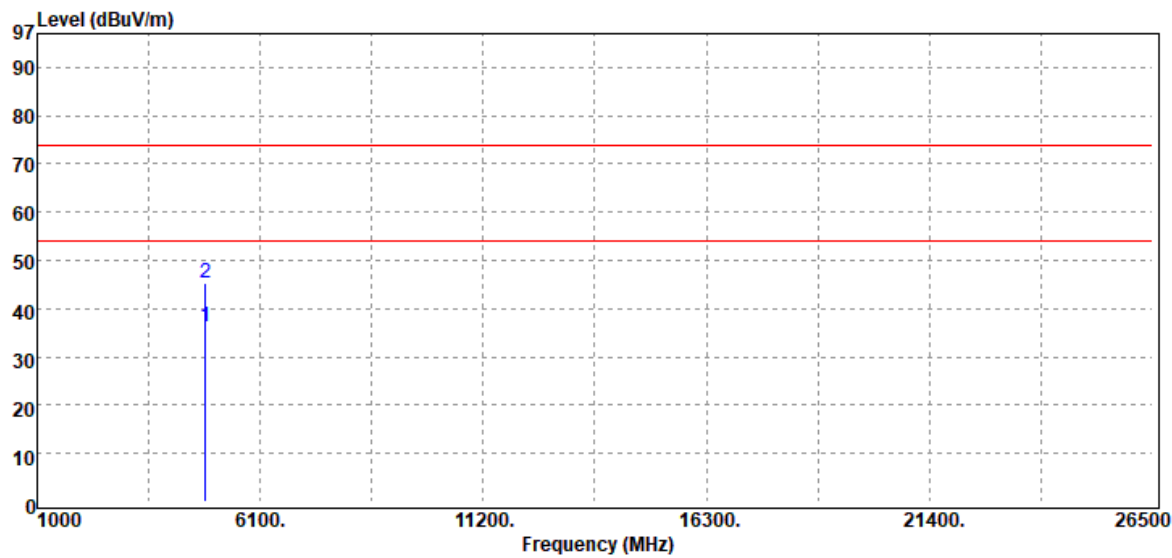
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Report Number :ER/2020/30079
Operation Mode :802.11ax40
Test Frequency :2422 MHz
Test Mode :Tx CH Low
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :HORIZONTAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4844.00	Average	21.52	14.58	36.10	54.00	-17.90
4844.00	Peak	30.59	14.58	45.17	74.00	-28.83

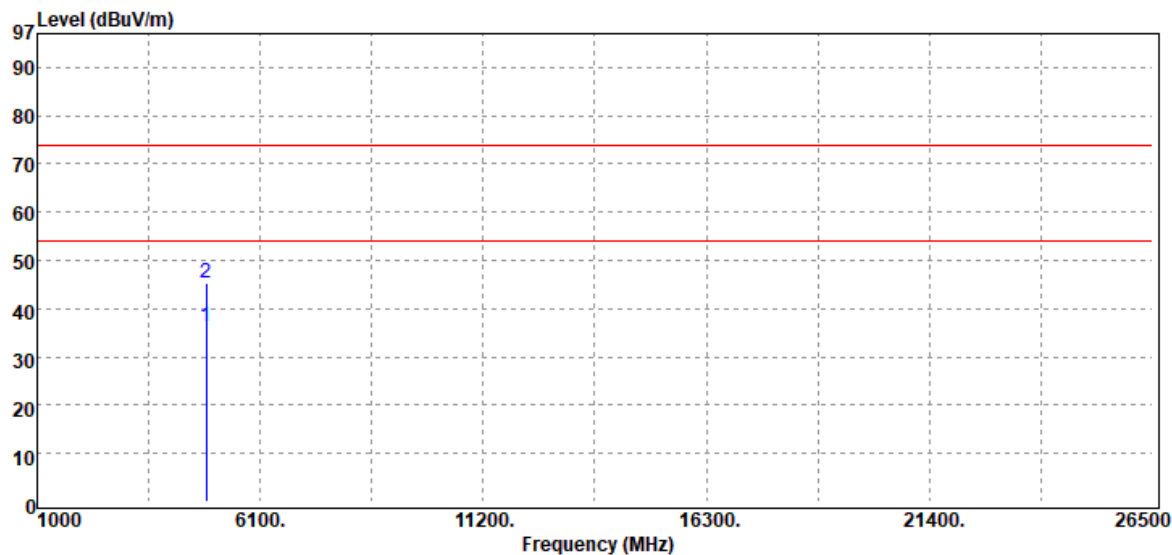
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Report Number :ER/2020/30079
Operation Mode :802.11ax40
Test Frequency :2437 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :VERTICAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4874.00	Average	21.39	14.85	36.24	54.00	-17.76
4874.00	Peak	30.61	14.85	45.46	74.00	-28.54

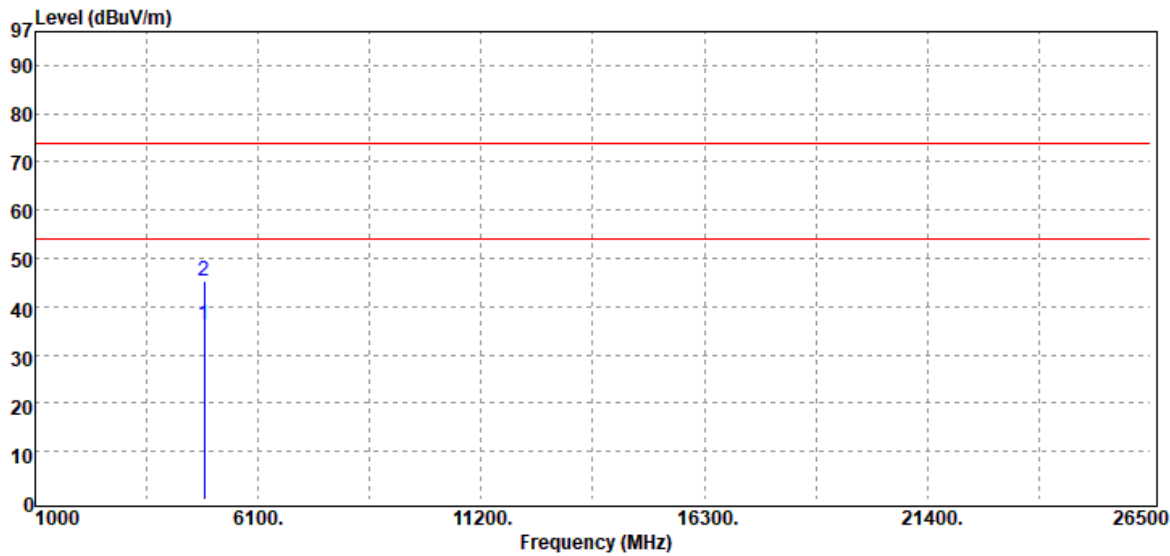
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Report Number :ER/2020/30079
Operation Mode :802.11ax40
Test Frequency :2437 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :HORIZONTAL
Engineer :Thomas



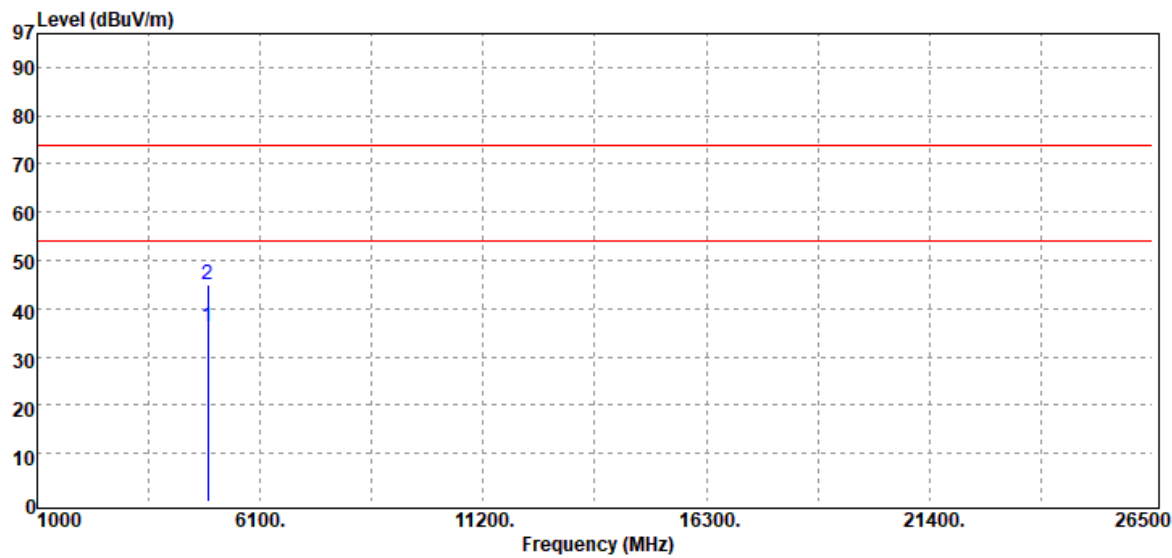
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.00	Average	21.35	14.85	36.20	54.00	-17.80
4874.00	Peak	30.47	14.85	45.32	74.00	-28.68

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Report Number :ER/2020/30079
Operation Mode :802.11ax40
Test Frequency :2452 MHz
Test Mode :Tx CH High
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :VERTICAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4904.00	Average	21.24	15.12	36.36	54.00	-17.64
4904.00	Peak	29.86	15.12	44.98	74.00	-29.02

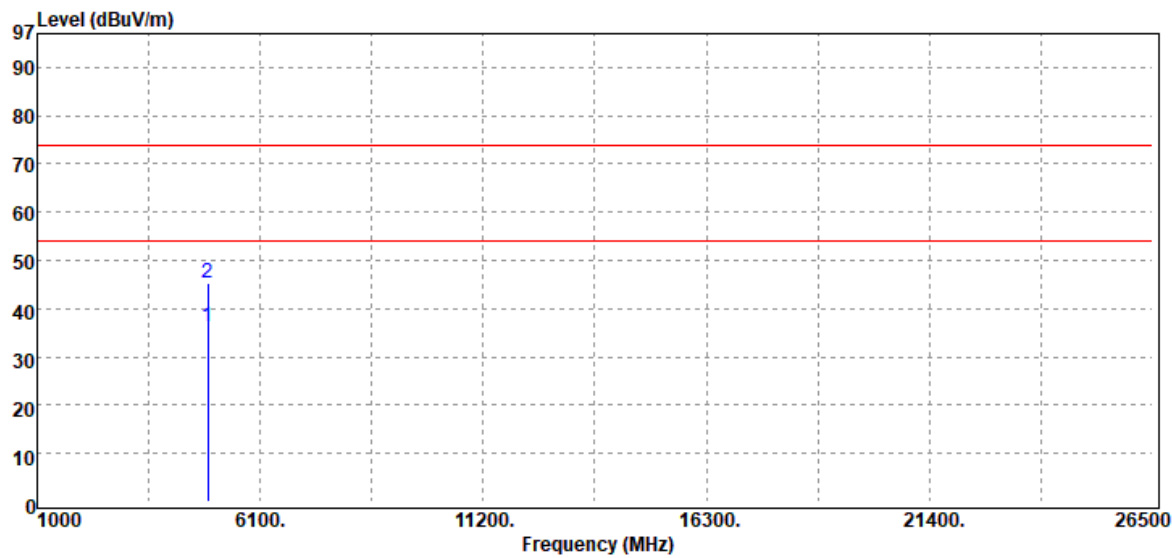
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Report Number :ER/2020/30079
Operation Mode :802.11ax40
Test Frequency :2452 MHz
Test Mode :Tx CH High
EUT Pol :E2 Plane

Test Date :2020-05-30
Temp./Humi. :24.9/74
Antenna Pol. :HORIZONTAL
Engineer :Thomas



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4904.00	Average	21.23	15.12	36.35	54.00	-17.65
4904.00	Peak	30.12	15.12	45.24	74.00	-28.76

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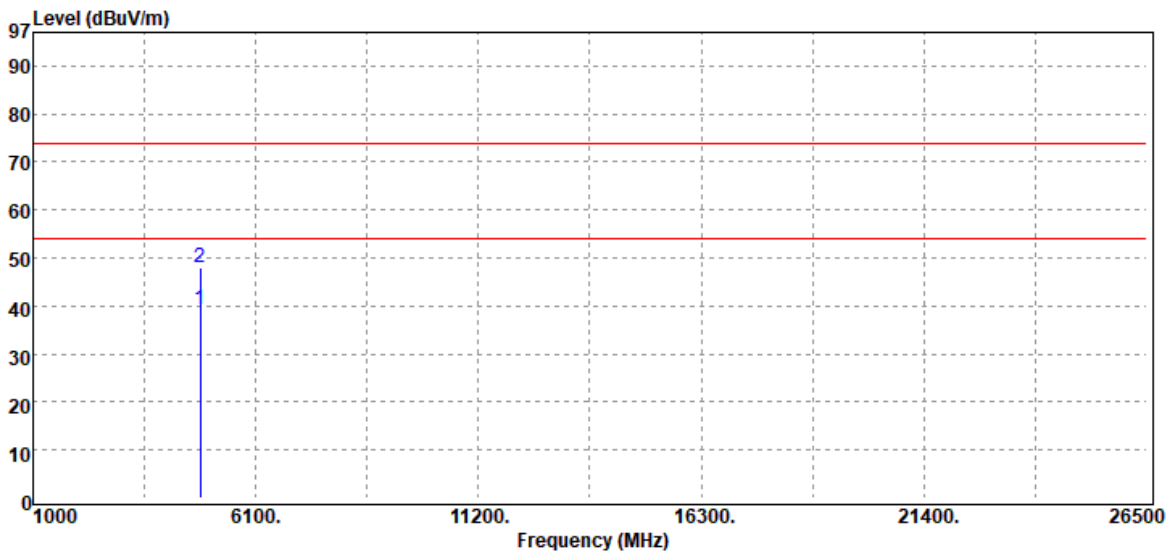
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11.7.4 Spot Check of Calling Mode

Report Number :ER/2020/30079
Operation Mode :802.11b
Test Frequency :2412 MHz
Test Mode :Tx CH Low
EUT Pol :E2 Plane

Test Date :2020-06-08
Temp./Humi. :26.6/75
Antenna Pol. :VERTICAL
Engineer :Neo



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4824.00	Average	24.60	14.56	39.16	54.00	-14.84
4824.00	Peak	33.28	14.56	47.84	74.00	-26.16

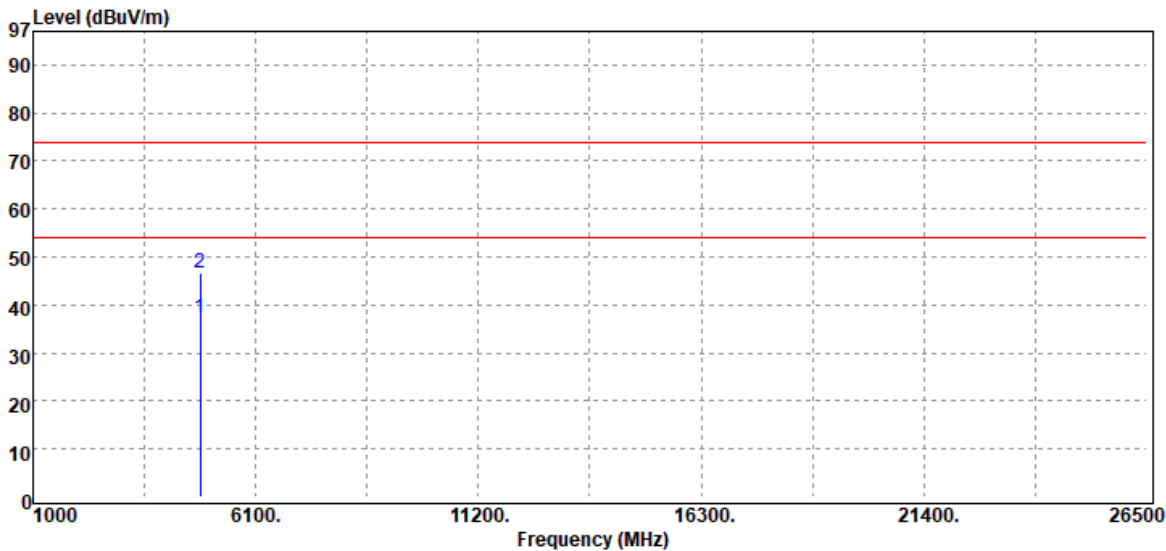
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Report Number :ER/2020/30079
Operation Mode :802.11b
Test Frequency :2412 MHz
Test Mode :Tx CH Low
EUT Pol :E2 Plane

Test Date :2020-06-08
Temp./Humi. :26.6/75
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4824.00	Average	22.65	14.56	37.21	54.00	-16.79
4824.00	Peak	32.06	14.56	46.62	74.00	-27.38

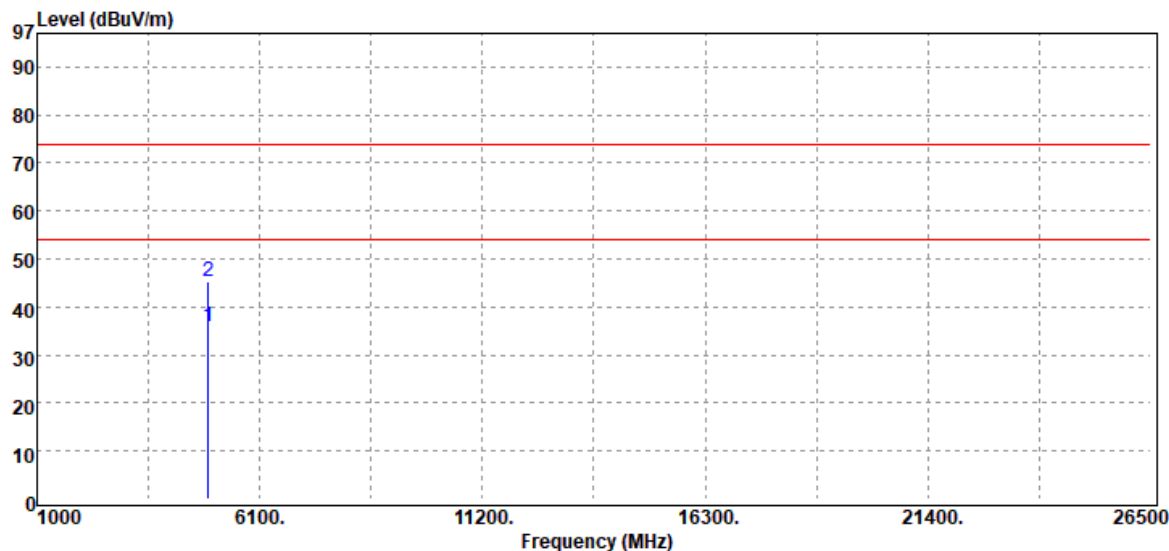
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Report Number :ER/2020/30079
Operation Mode :802.11ax20
Test Frequency :2462 MHz
Test Mode :Tx CH High
EUT Pol :E2 Plane

Test Date :2020-06-08
Temp./Humi. :26.6/75
Antenna Pol. :VERTICAL
Engineer :Neo



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4924.00	Average	21.13	14.87	36.00	54.00	-18.00
4924.00	Peak	30.28	14.87	45.15	74.00	-28.85

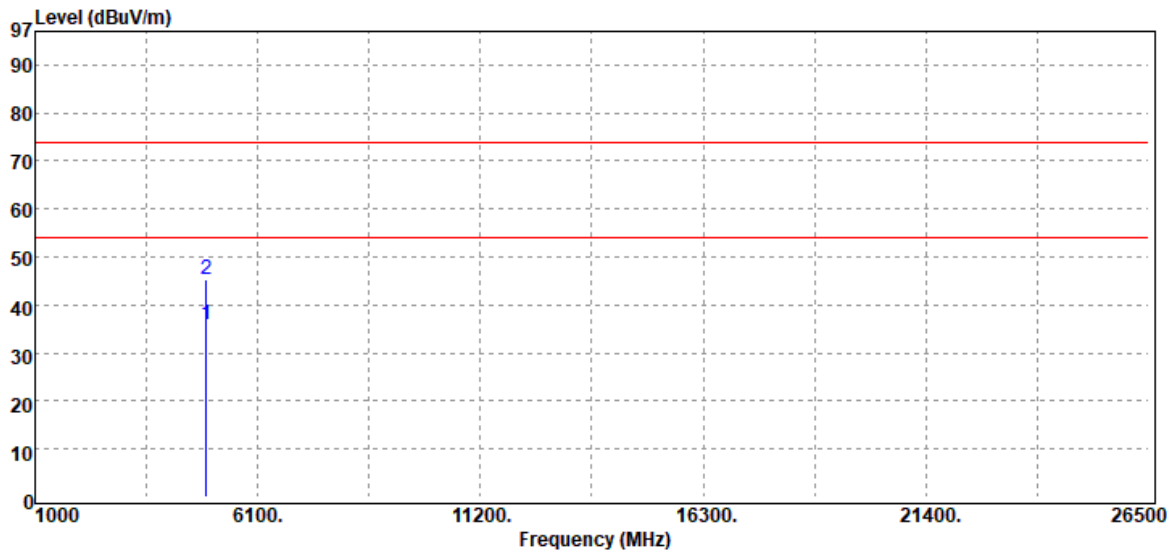
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Report Number :ER/2020/30079
Operation Mode :802.11ax20
Test Frequency :2462 MHz
Test Mode :Tx CH High
EUT Pol :E2 Plane

Test Date :2020-06-08
Temp./Humi. :26.6/75
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.00	Average	21.16	14.87	36.03	54.00	-17.97
4924.00	Peak	30.40	14.87	45.27	74.00	-28.73

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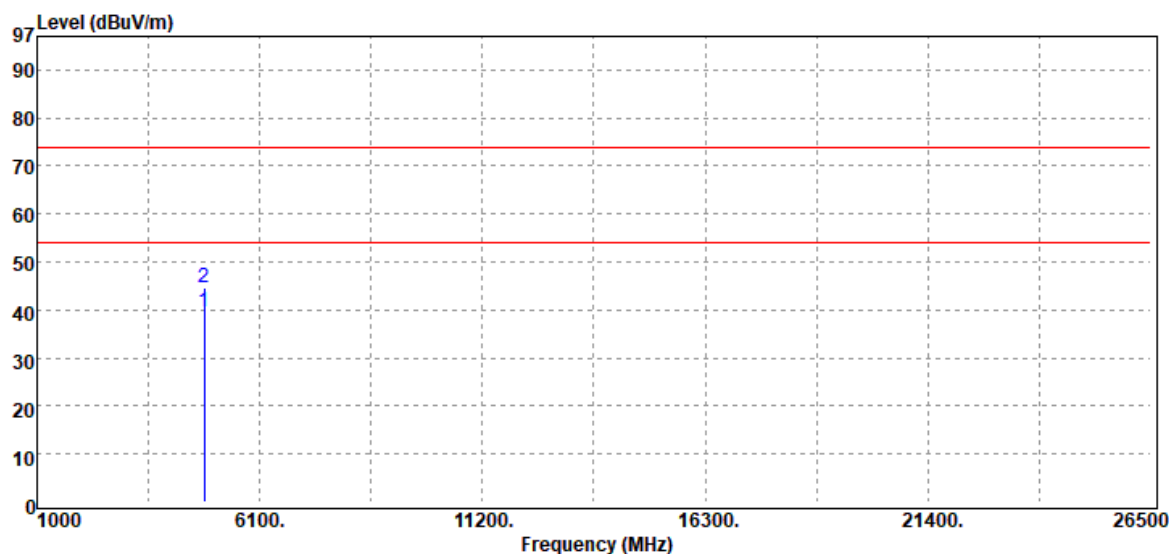
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11.7.5 Spot Check of Camera Mode

Report Number :ER/2020/30079
 Operation Mode :802.11b
 Test Frequency :2412 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Date :2020-06-08
 Temp./Humi. :26.6/75
 Antenna Pol. :VERTICAL
 Engineer :Neo



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4824.00	Average	24.94	14.56	39.50	54.00	-14.50
4824.00	Peak	30.22	14.56	44.78	74.00	-29.22

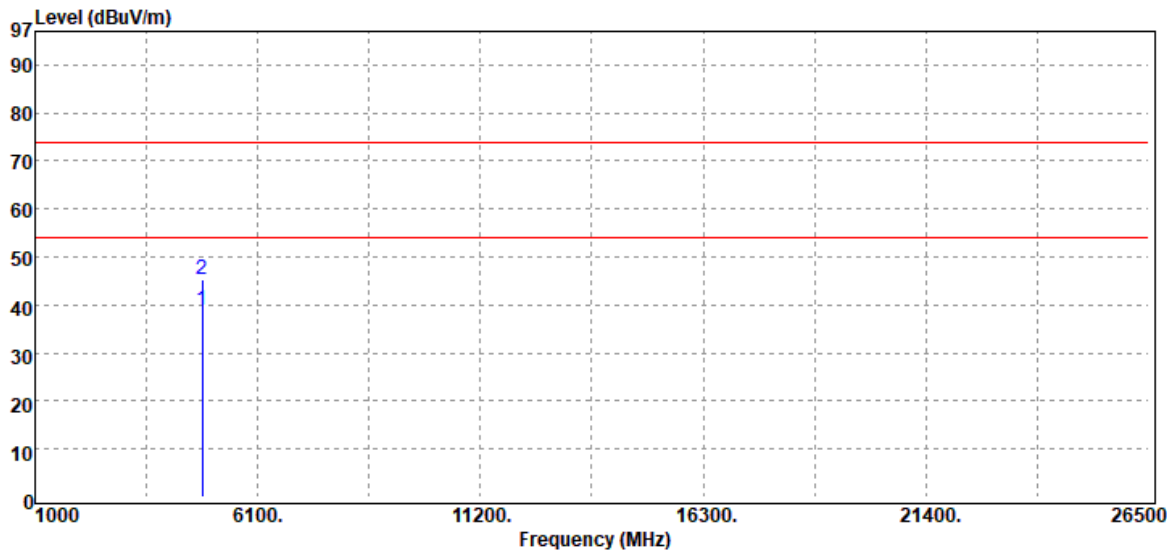
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Report Number :ER/2020/30079
Operation Mode :802.11b
Test Frequency :2412 MHz
Test Mode :Tx CH Low
EUT Pol :E2 Plane

Test Date :2020-06-08
Temp./Humi. :26.6/75
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4822.00	Average	24.48	14.55	39.03	54.00	-14.97
4822.00	Peak	30.77	14.55	45.32	74.00	-28.68

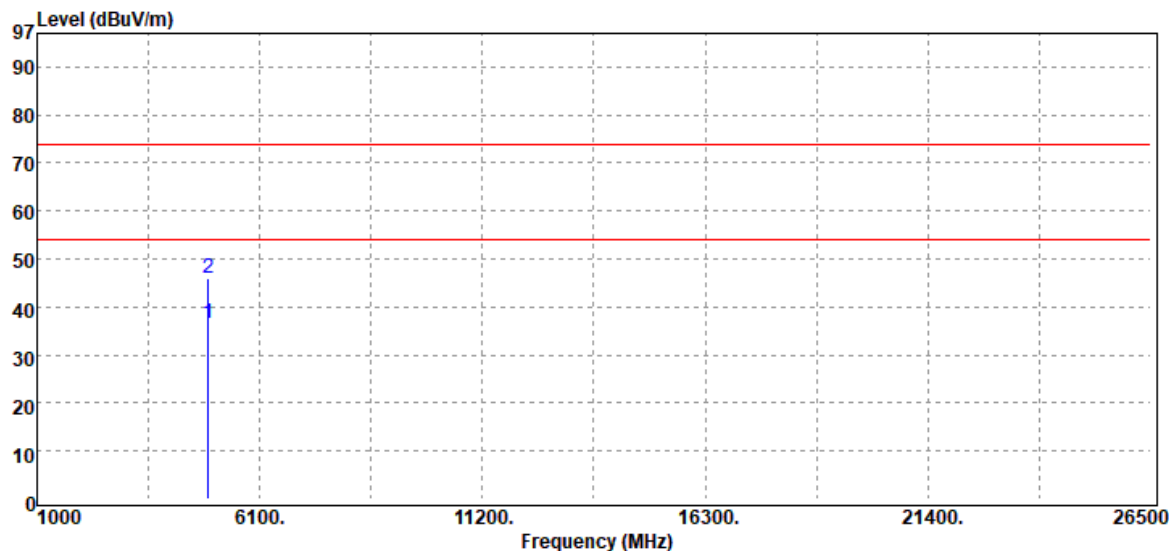
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Report Number :ER/2020/30079
Operation Mode :802.11ax20
Test Frequency :2462 MHz
Test Mode :Tx CH High
EUT Pol :E2 Plane

Test Date :2020-06-08
Temp./Humi. :26.6/75
Antenna Pol. :VERTICAL
Engineer :Neo



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.00	Average	21.85	14.87	36.72	54.00	-17.28
4924.00	Peak	31.24	14.87	46.11	74.00	-27.89

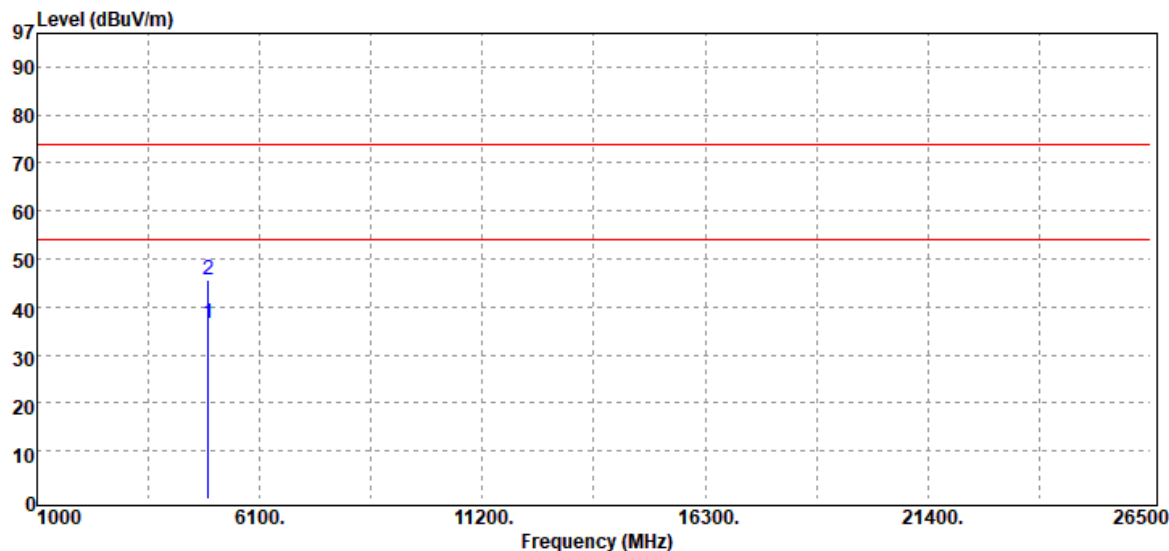
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Report Number :ER/2020/30079
Operation Mode :802.11ax20
Test Frequency :2462 MHz
Test Mode :Tx CH High
EUT Pol :E2 Plane

Test Date :2020-06-08
Temp./Humi. :26.6/75
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4924.00	Average	21.57	14.87	36.44	54.00	-17.56
4924.00	Peak	30.73	14.87	45.60	74.00	-28.40

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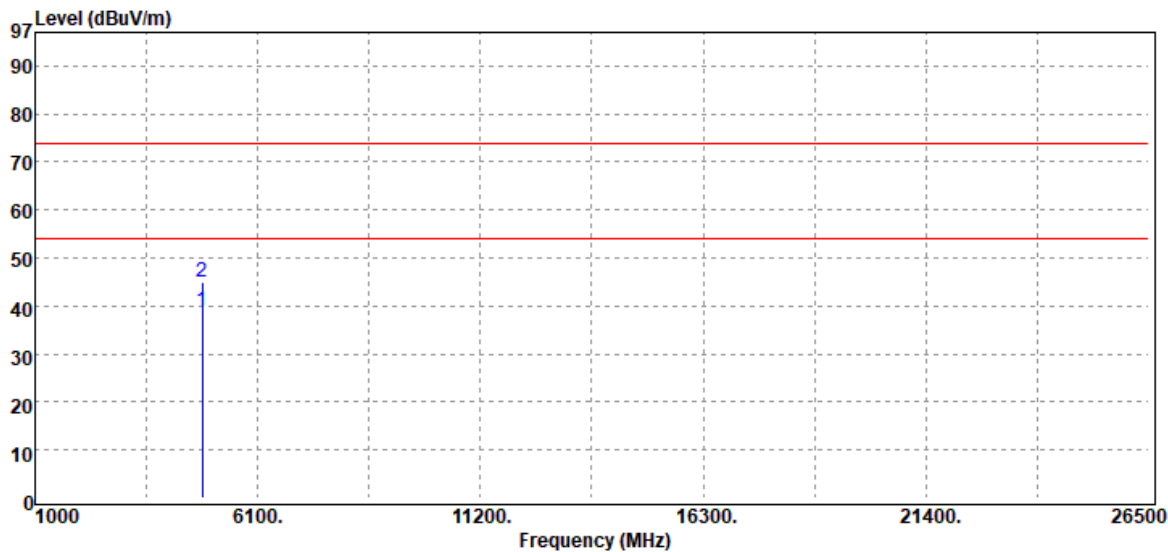
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11.7.6 Spot Check of Normal Mode

Report Number :ER/2020/30079
Operation Mode :802.11b
Test Frequency :2412 MHz
Test Mode :Tx CH Low
EUT Pol :E2 Plane

Test Date :2020-06-08
Temp./Humi. :26.6/75
Antenna Pol. :VERTICAL
Engineer :Neo



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4824.00	Average	24.54	14.56	39.10	54.00	-14.90
4824.00	Peak	30.43	14.56	44.99	74.00	-29.01

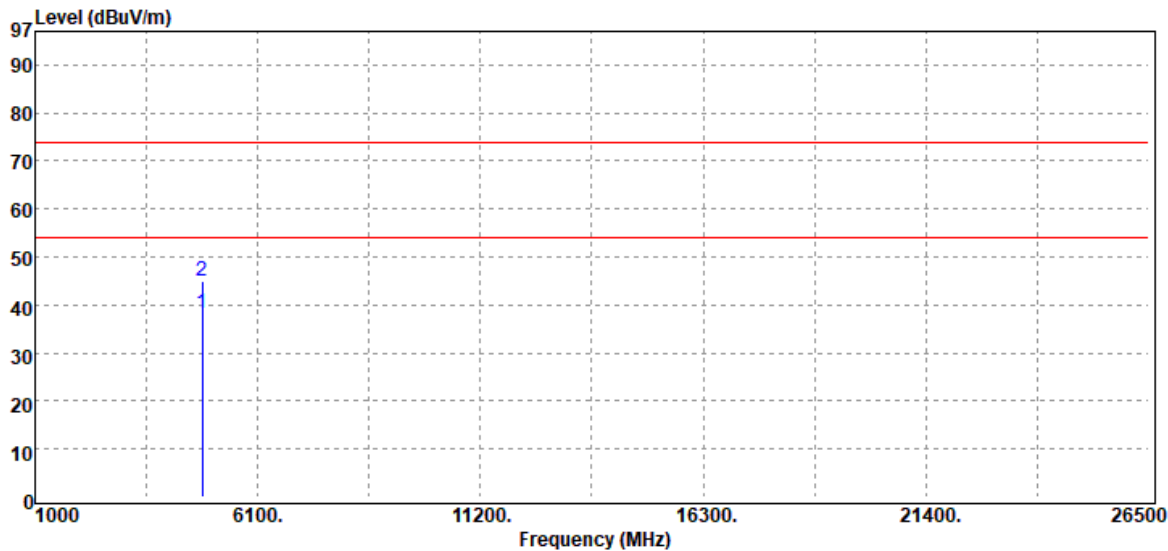
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Report Number :ER/2020/30079
Operation Mode :802.11b
Test Frequency :2412 MHz
Test Mode :Tx CH Low
EUT Pol :E2 Plane

Test Date :2020-06-08
Temp./Humi. :26.6/75
Antenna Pol. :HORIZONTAL
Engineer :Neo



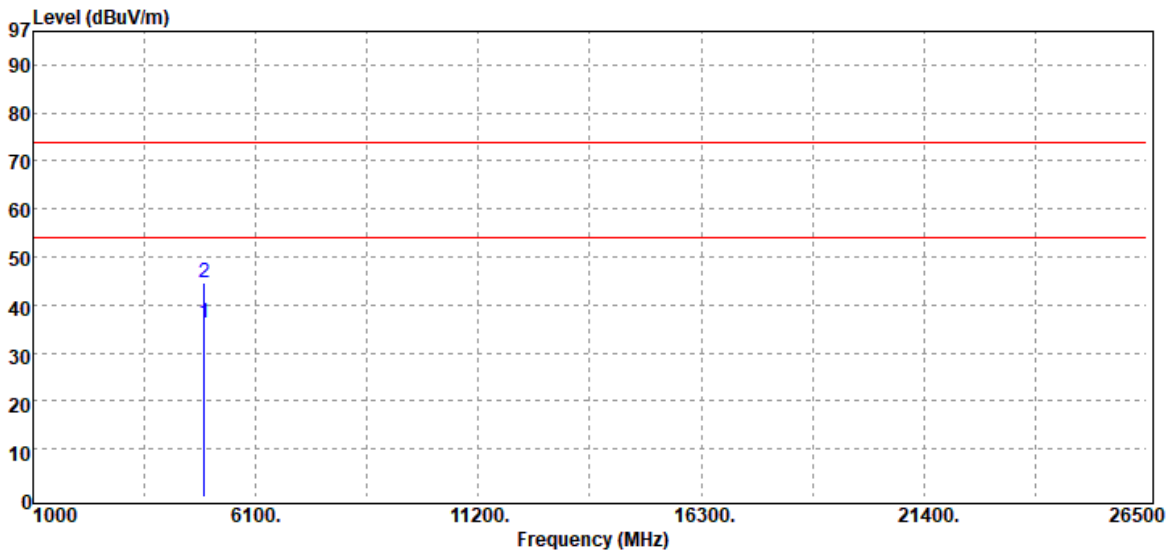
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.00	Average	23.65	14.56	38.21	54.00	-15.79
4824.00	Peak	30.39	14.56	44.95	74.00	-29.05

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Report Number :ER/2020/30079
Operation Mode :802.11ax20
Test Frequency :2462 MHz
Test Mode :Tx CH Low
EUT Pol :E2 Plane

Test Date :2020-06-08
Temp./Humi. :26.6/75
Antenna Pol. :VERTICAL
Engineer :Neo


Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.00	Average	21.32	14.87	36.19	54.00	-17.81
4924.00	Peak	29.81	14.87	44.68	74.00	-29.32

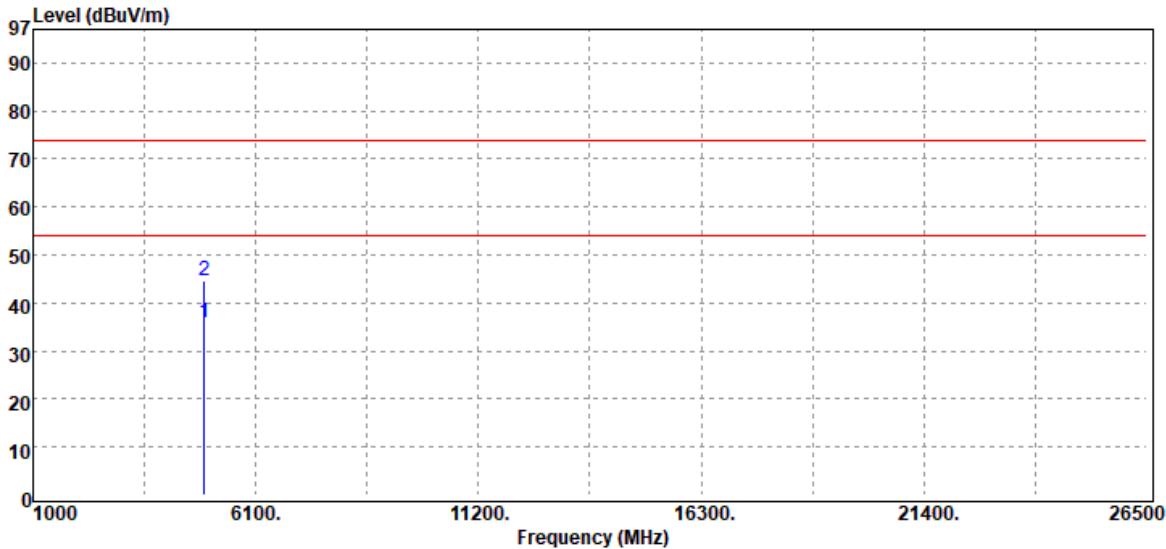
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Report Number :ER/2020/30079
Operation Mode :802.11ax20
Test Frequency :2462 MHz
Test Mode :Tx CH Low
EUT Pol :E2 Plane

Test Date :2020-06-08
Temp./Humi. :26.6/75
Antenna Pol. :HORIZONTAL
Engineer :Neo



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.00	Average	21.12	14.87	35.99	54.00	-18.01
4924.00	Peak	29.90	14.87	44.77	74.00	-29.23

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12 POWER SPECTRAL DENSITY

12.1 Standard Applicable

Per Part 15.247 (e)

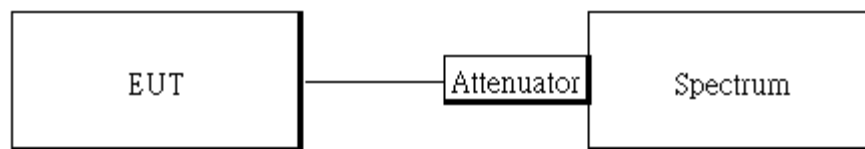
The power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3 kHz band during any time interval of continuous transmission.

This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

12.2 Measurement Equipment Used

Conducted Emission Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EXA Spectrum Analyzer	Agilent	N9010A	MY50420195	05/06/2020	05/05/2021
DC Power Supply	Agilent	E3640A	MY40005907	10/22/2019	10/21/2020
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

12.3 Test Set-up



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12.4 Measurement Procedure

1. Set analyzer center frequency to DTS channel center frequency.
2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
3. Set the span to 1.5 times the DTS channel bandwidth.
4. Set the RBW = 3 kHz & VBW = 10 kHz.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.
10. MIMO mode: offset is set following “measure and add 10 Log (N)” on spectrum to measure the PSD for MIMO mode. Offset = cable loss + 10 log (N), where N is number of transmitting antenna.

Note:

For the test of MIMO mode, the highest emission of worst case employing Measure and add 10 log (N) technical is reported on this report after the comparison between Main Antenna at single transmitting mode and Aux that yields the higher value. The MIMO transmitting mode produces higher value of outcome.

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

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

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

where

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

NSS = the number of independent spatial streams of data;

NANT = the total number of antennas

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

G_k is the gain in dBi of the kth antenna.

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

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12.6 Power spectral density

POWER DENSITY 802.11b					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-6	-6.28	-3.13	8.00	PASS
2437	-7	-7.87	-4.40	8.00	PASS
2462	-6.36	-7.98	-4.08	8.00	PASS

POWER DENSITY 802.11g					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-10.32	-10.78	-7.53	8.00	PASS
2437	-11.09	-10.92	-7.99	8.00	PASS
2462	-10.73	-10.42	-7.56	8.00	PASS

POWER DENSITY 802.11n HT20					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-8.47	-8.6	-5.52	8.00	PASS
2437	-8.6	-9.92	-6.20	8.00	PASS
2462	-8.67	-8.8	-5.72	8.00	PASS

POWER DENSITY 802.11ax HE20						
Freq. (MHz)	RU Config	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	full	-9.19	-10.55	-6.81	8.00	PASS
	26/0	-1.34	-2.17	1.28	8.00	PASS
	52/37	-3.25	-4.21	-0.69	8.00	PASS
	106/53	-5.44	-6.65	-2.99	8.00	PASS
2437	full	-9.51	-10.06	-6.77	8.00	PASS
2462	full	-9	-10.8	-6.80	8.00	PASS
	26/8	-1.76	-2.68	0.81	8.00	PASS
	52/40	-4.17	-2	0.06	8.00	PASS
	106/54	-6.83	-5.99	-3.38	8.00	PASS

POWER DENSITY 802.11n HT40					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2422	-10.58	-11.8	-8.14	8.00	PASS
2437	-11.9	-12.88	-9.35	8.00	PASS
2452	-12.21	-12.7	-9.44	8.00	PASS

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POWER DENSITY 802.11ax HE40						
Freq. (MHz)	RU Config	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2422	full	-11.56	-12.9	-9.17	8.00	PASS
	242/61	-9.16	-9.91	-6.51	8.00	PASS
2437	full	-12.41	-12.95	-9.66	8.00	PASS
2452	full	-10.9	-11.55	-8.20	8.00	PASS
	242/62	-9.22	-10.26	-6.70	8.00	PASS

Note

Cable Loss 11.80 dB

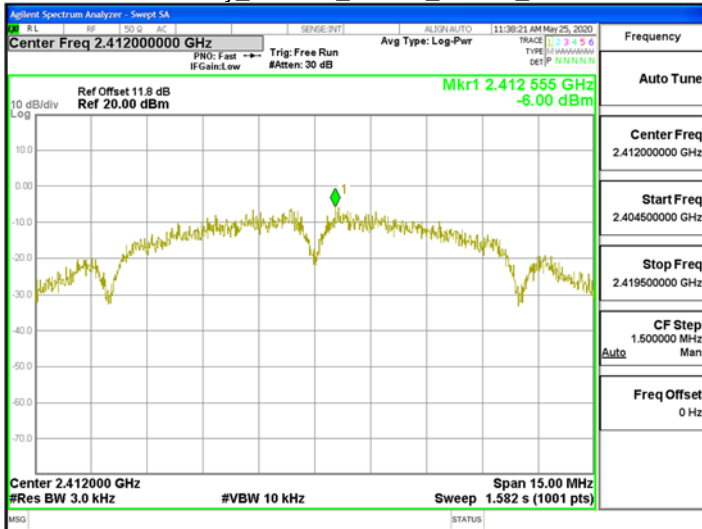
*Refer to next page for plots

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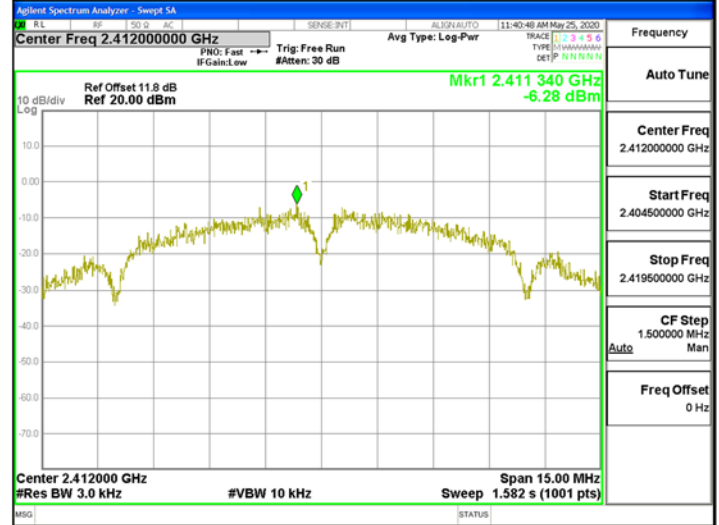
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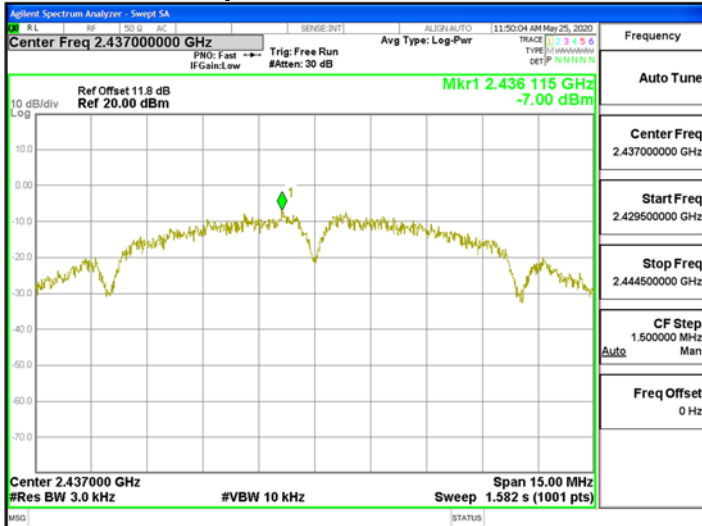
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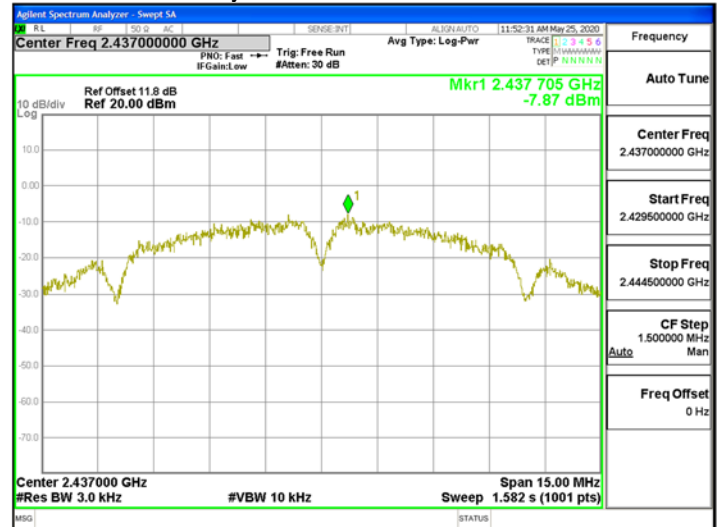
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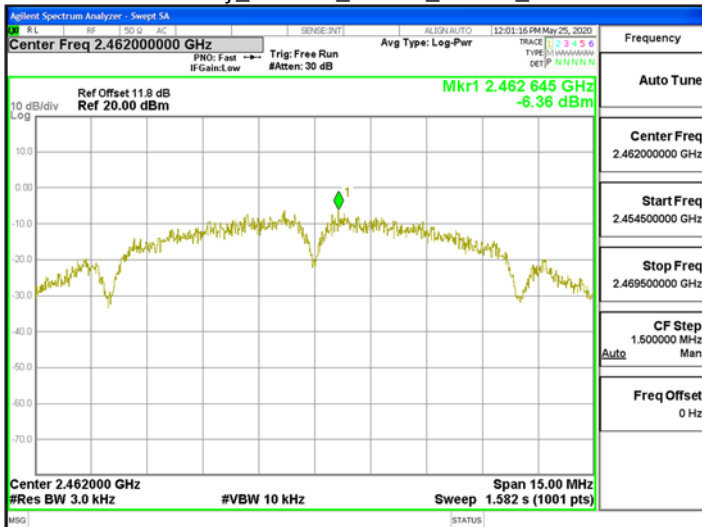
Power Density_802.11b_20MHz_Chain0_2437MHz



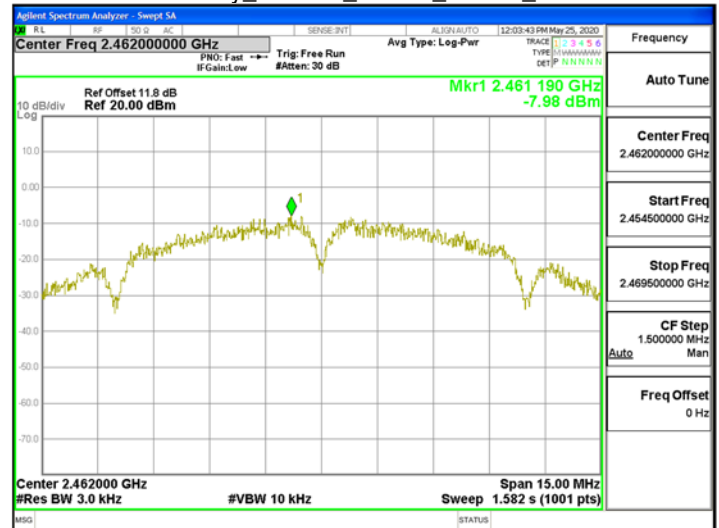
Power Density_802.11b_20MHz_Chain1_2437MHz



Power Density_802.11b_20MHz_Chain0_2462MHz



Power Density_802.11b_20MHz_Chain1_2462MHz



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