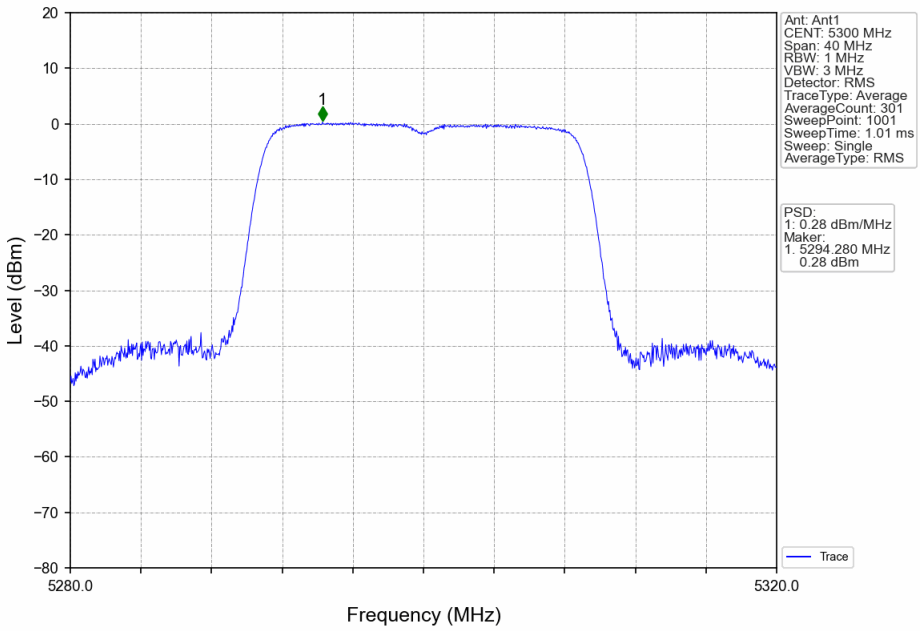
802.11ac(VHT20)_MCH_5300MHz_Ant2_NTNV



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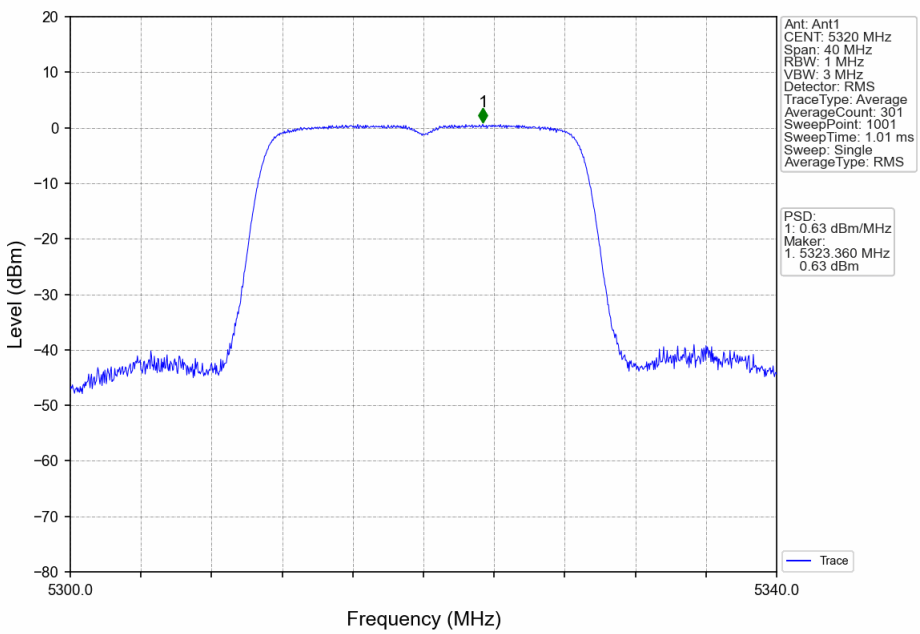

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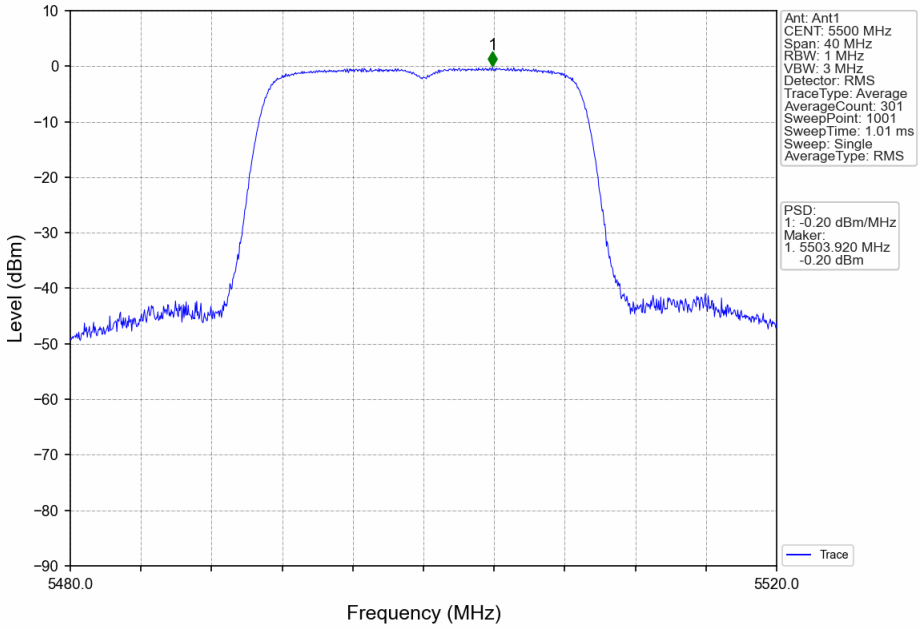
802.11ac(VHT20)_LCH_5500MHz_Ant2_NTNV



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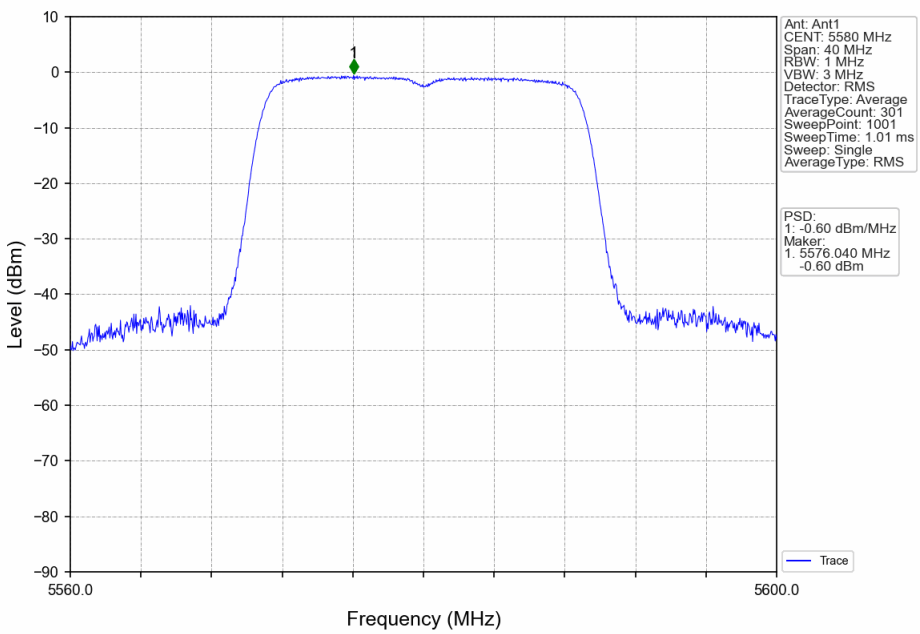

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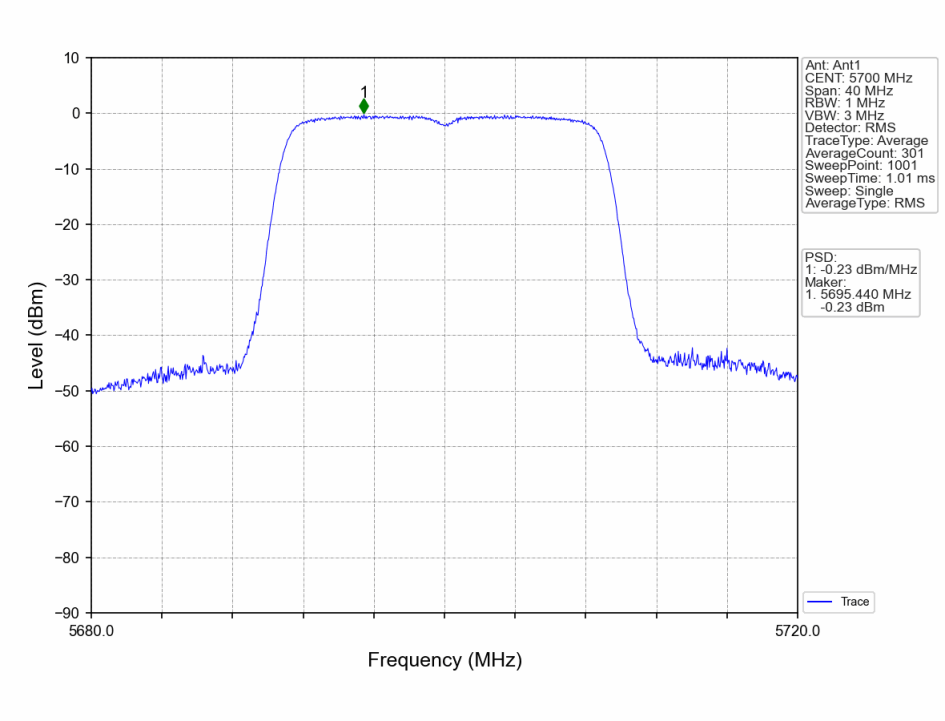
802.11ac(VHT20)_HCH_5700MHz_Ant2_NTNV



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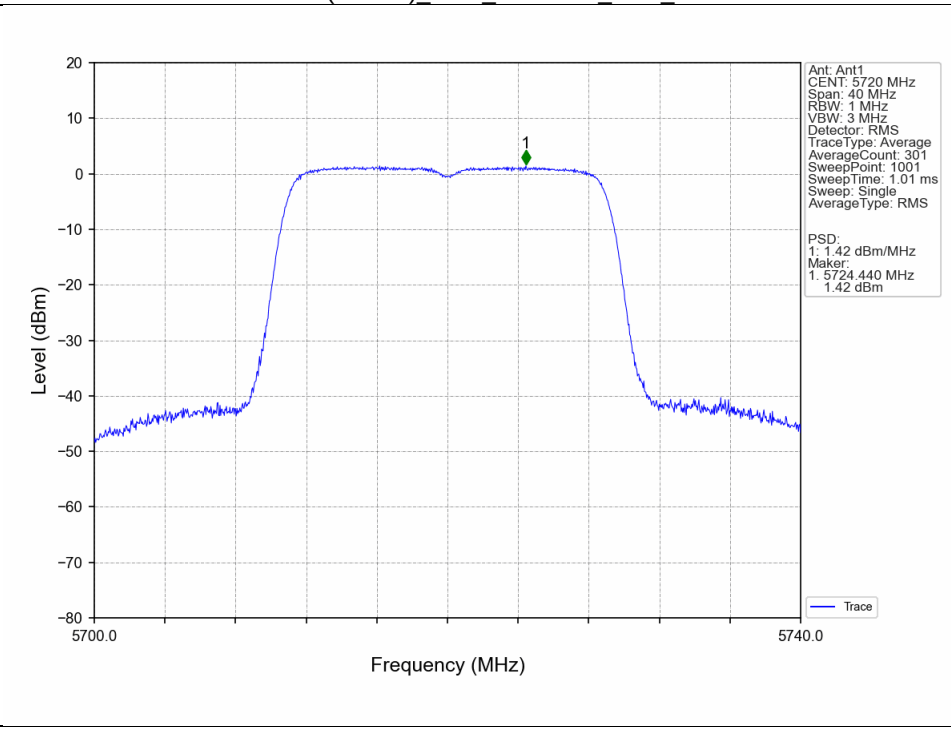

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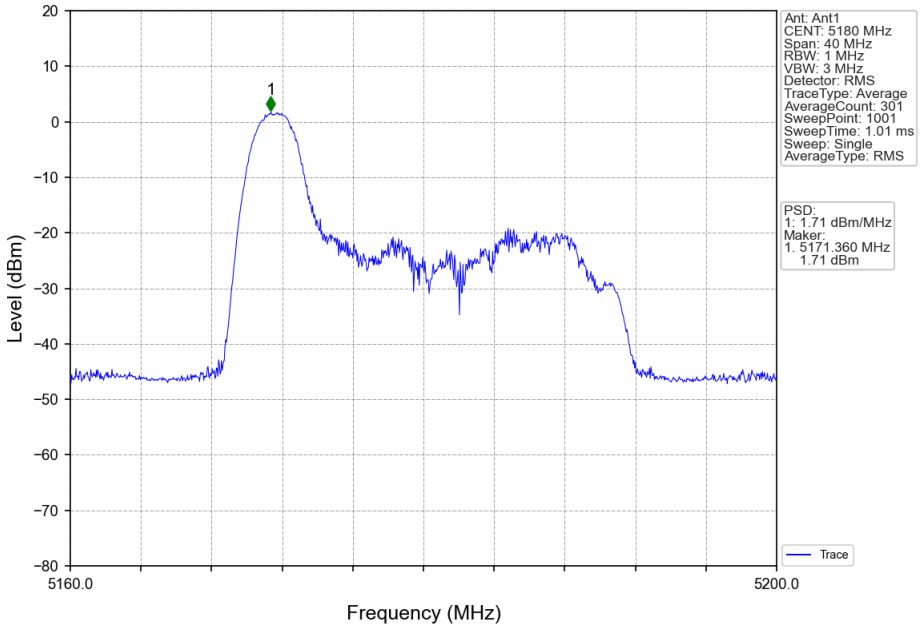
802.11ax(HEW20)_LCH_5180MHz_RU26_Left_Ant2_NTNV



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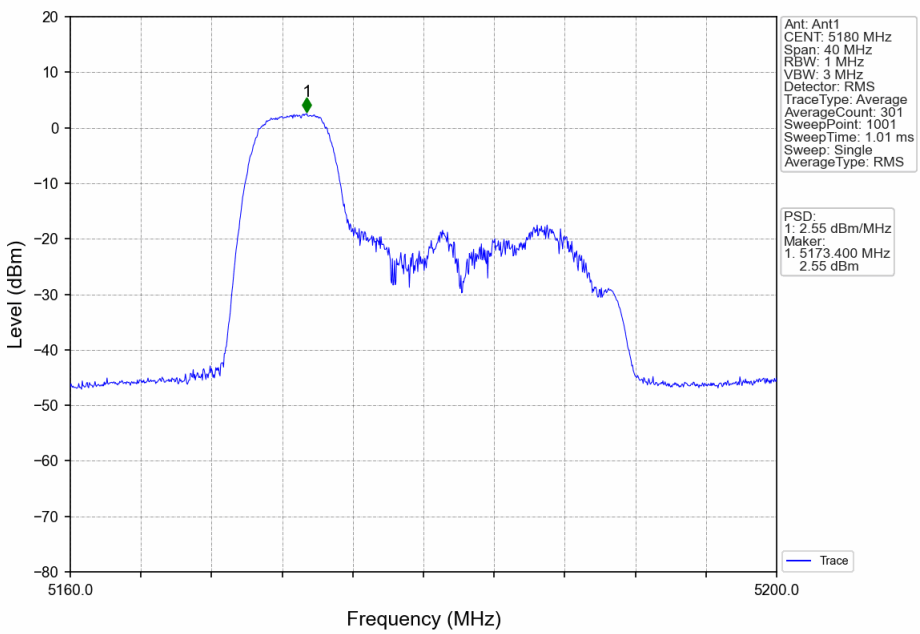

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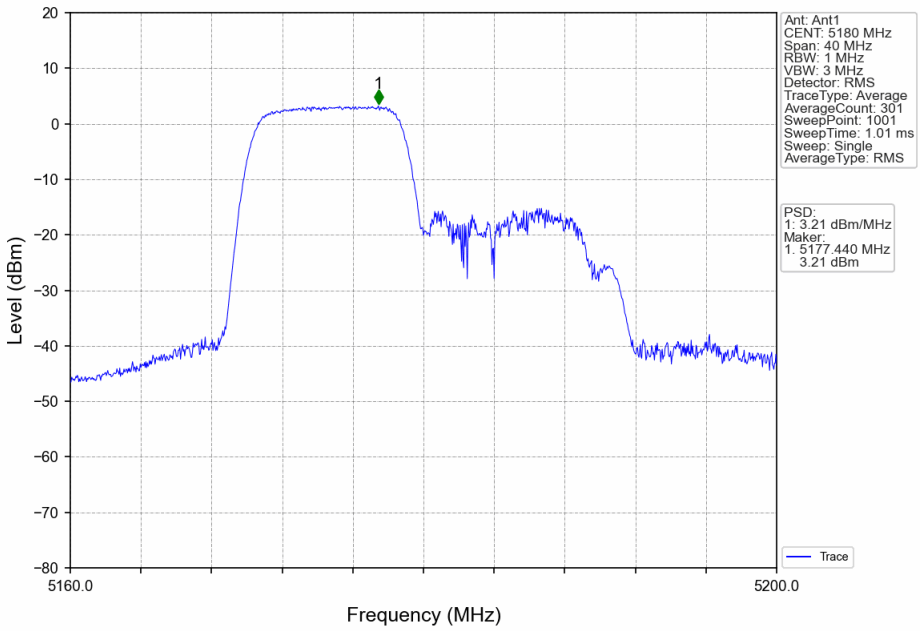
802.11ax(HEW20)_LCH_5180MHz_RU106_Left_Ant2_NTNV



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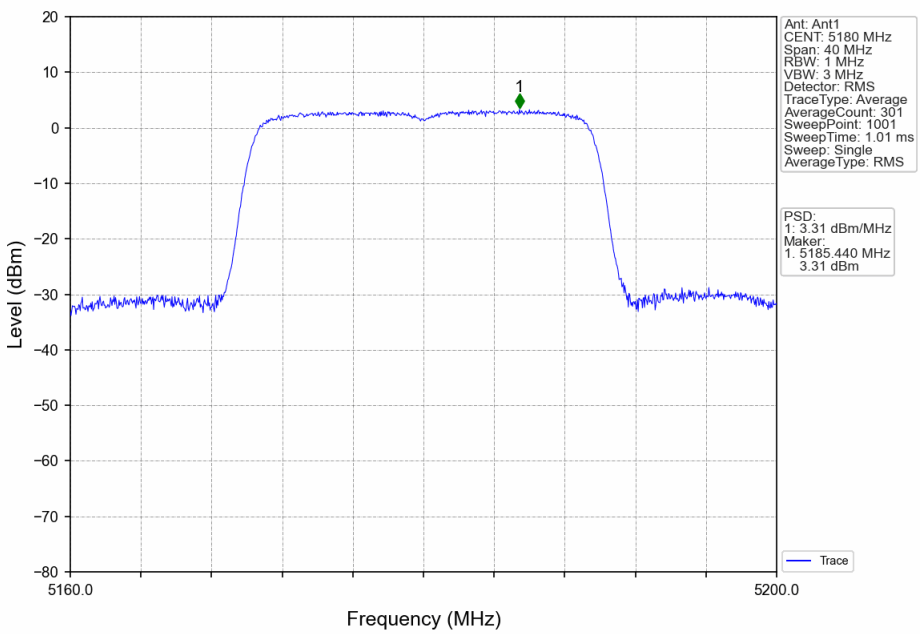

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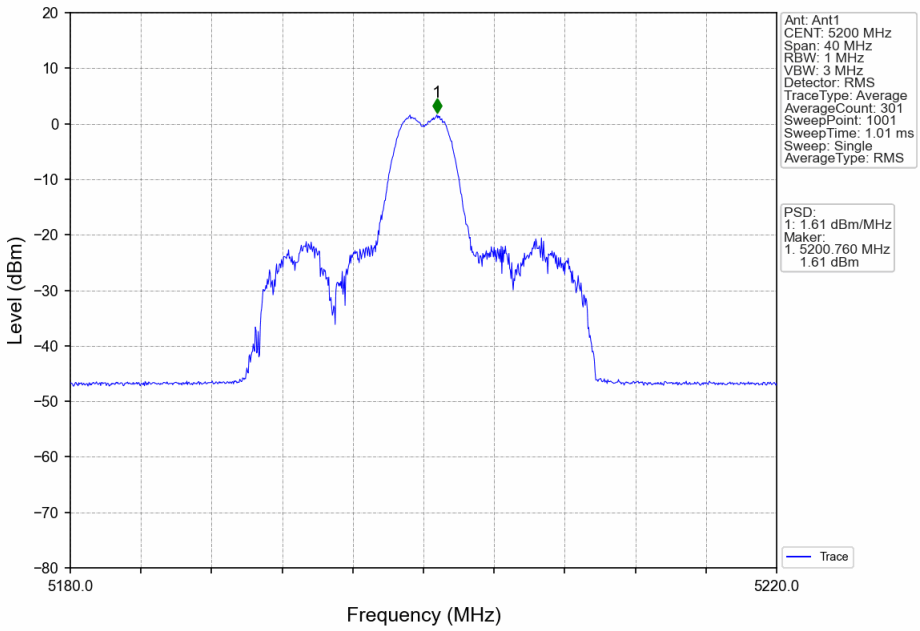
802.11ax(HEW20)_MCH_5200MHz_RU26_Mid_Ant2_NTNV



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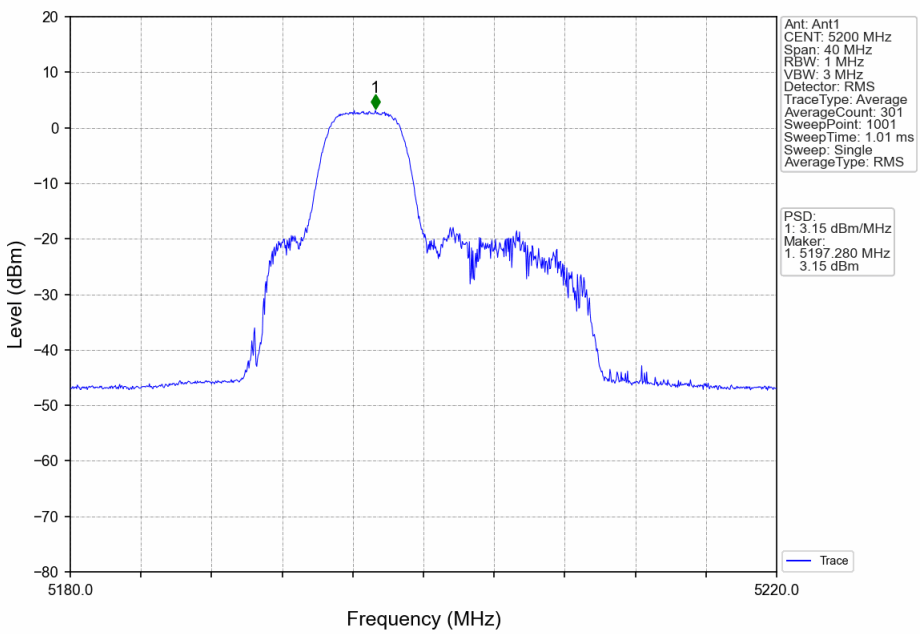

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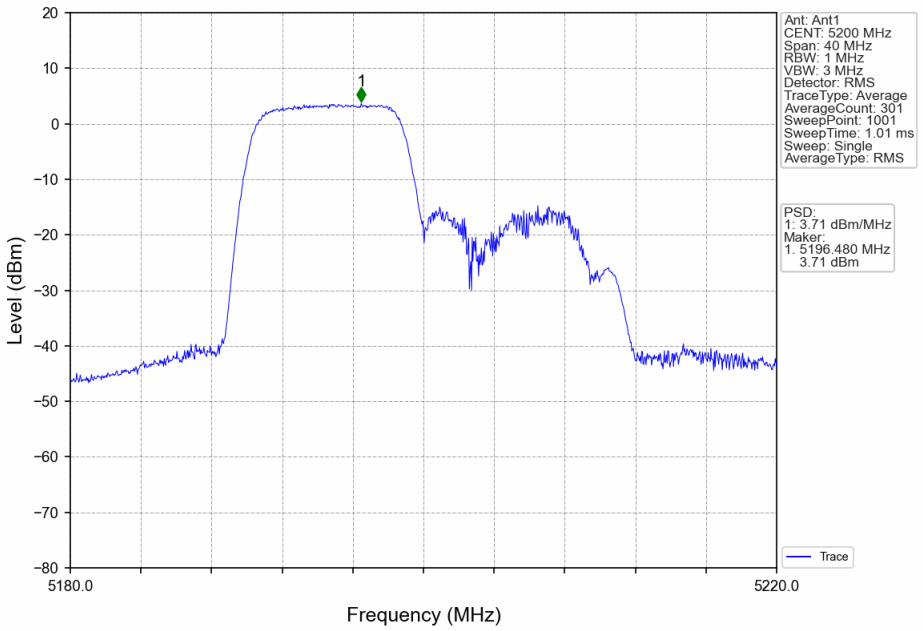

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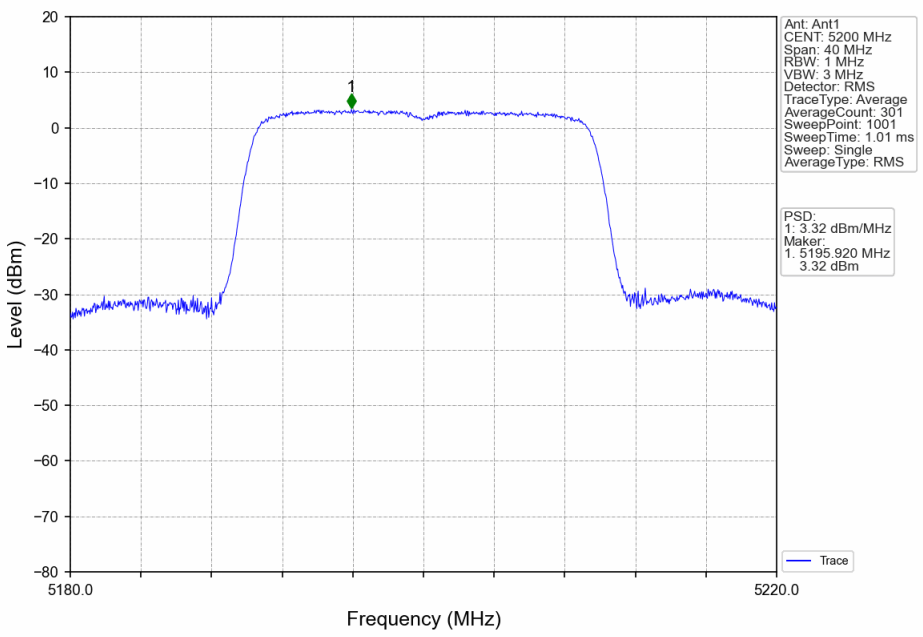
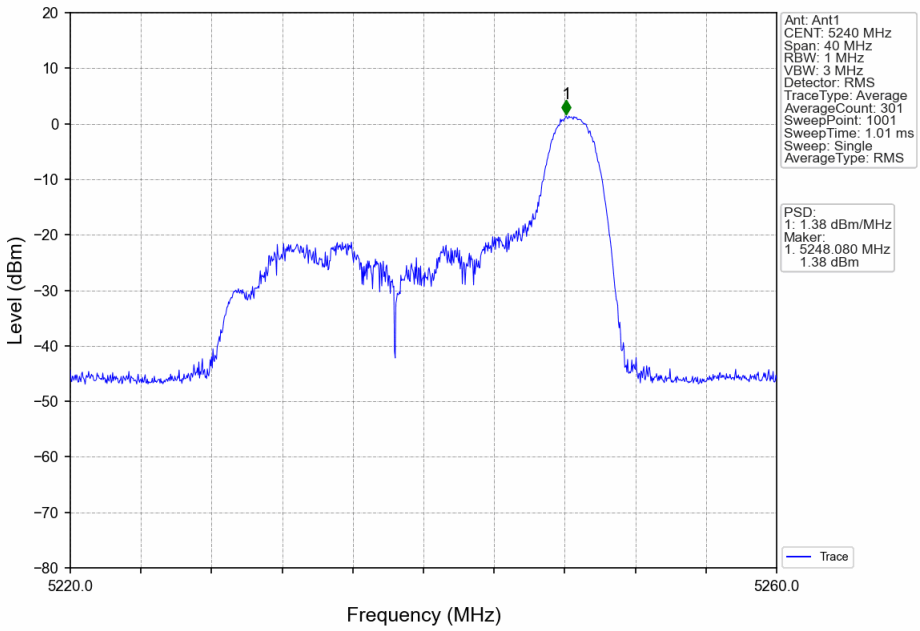


802.11ax(HEW20)_HCH_5240MHz_RU26_Right_Ant2_NTNV



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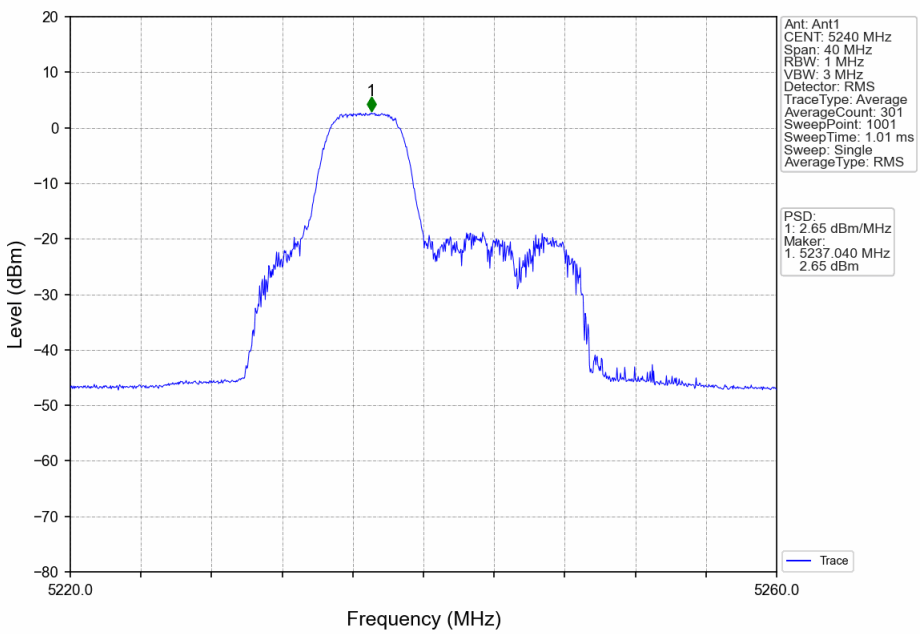

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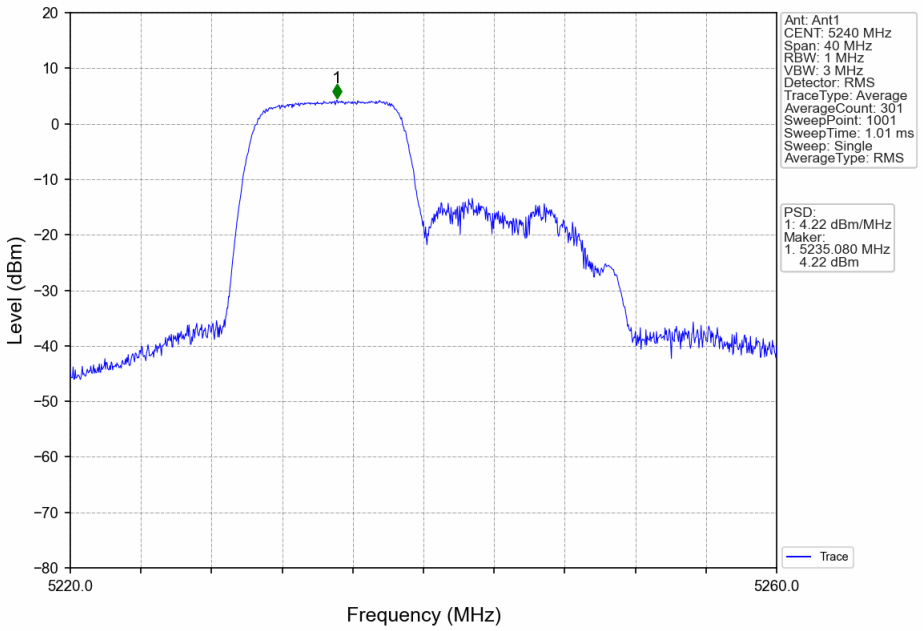
802.11ax(HEW20)_HCH_5240MHz_RU106_Right_Ant2_NTNV



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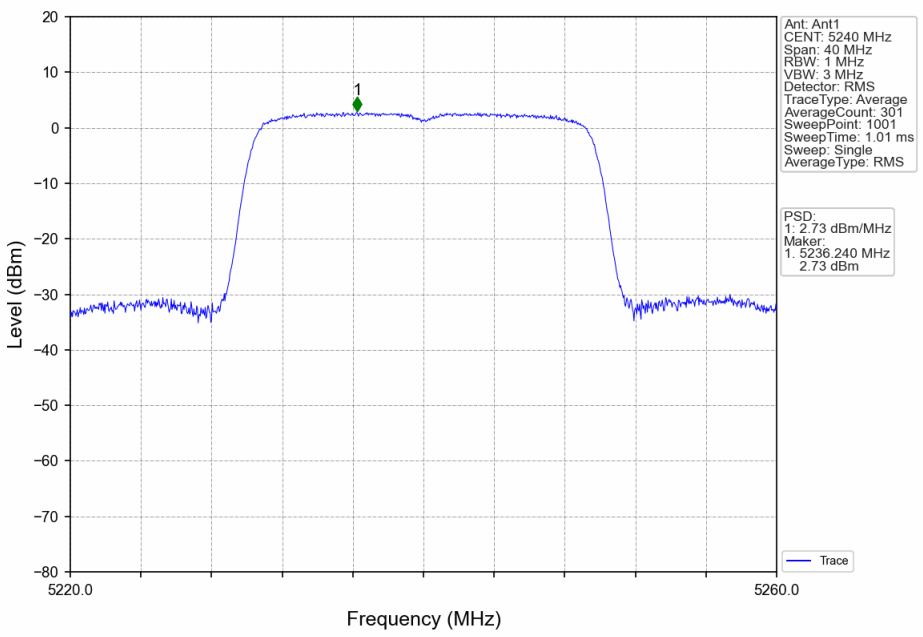

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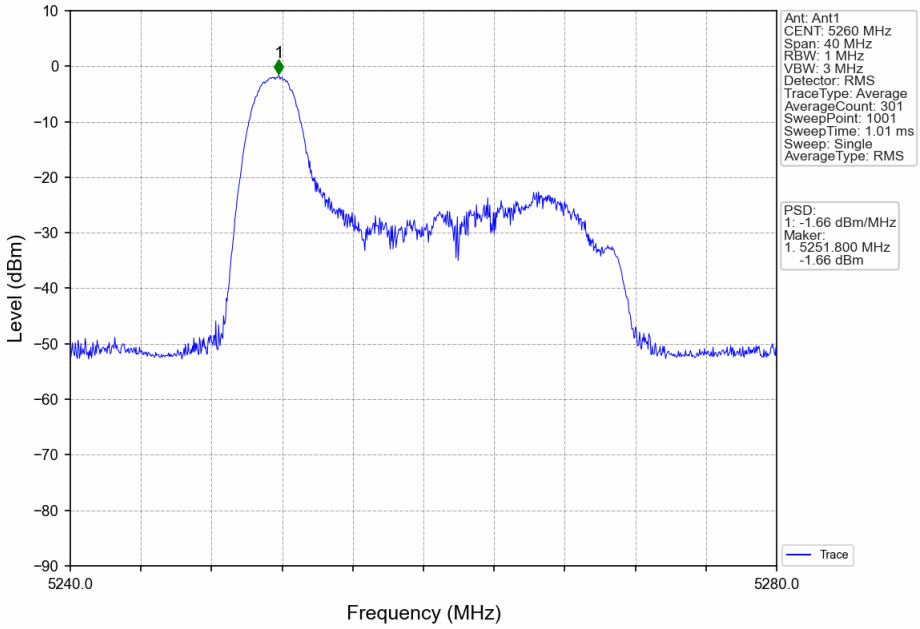
802.11ax(HEW20)_LCH_5260MHz_RU26_Left_Ant2_NTNV



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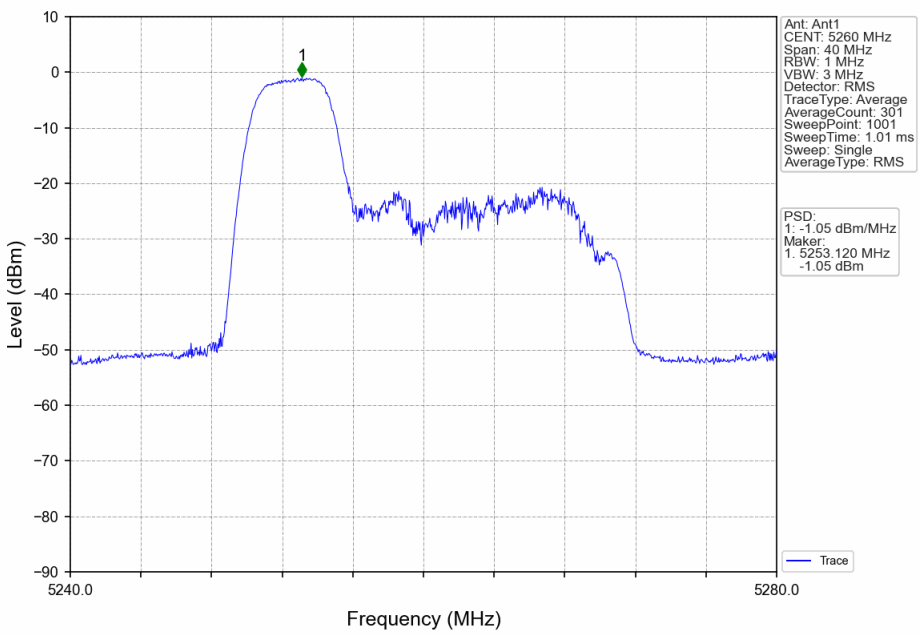

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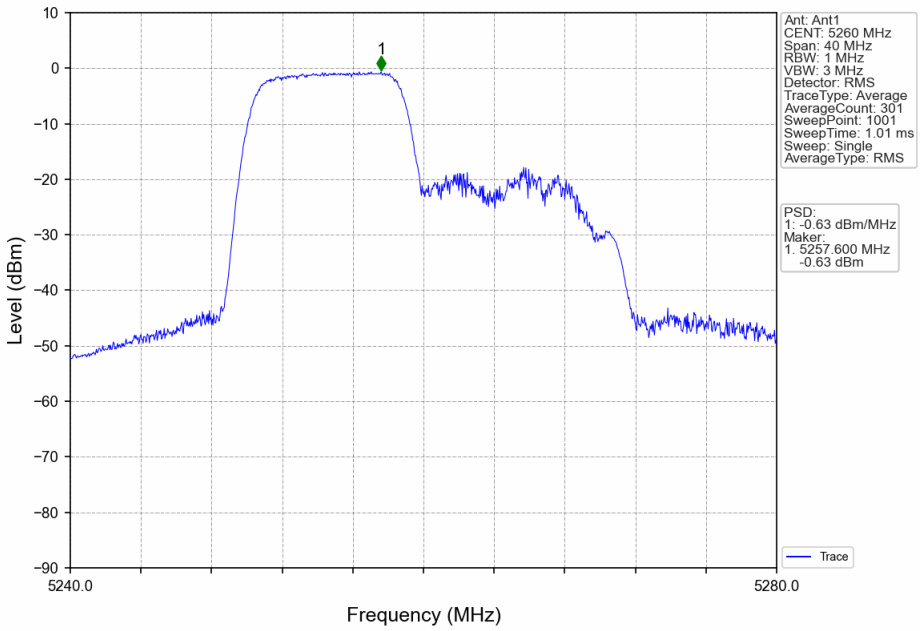
802.11ax(HEW20)_LCH_5260MHz_RU106_Left_Ant2_NTNV



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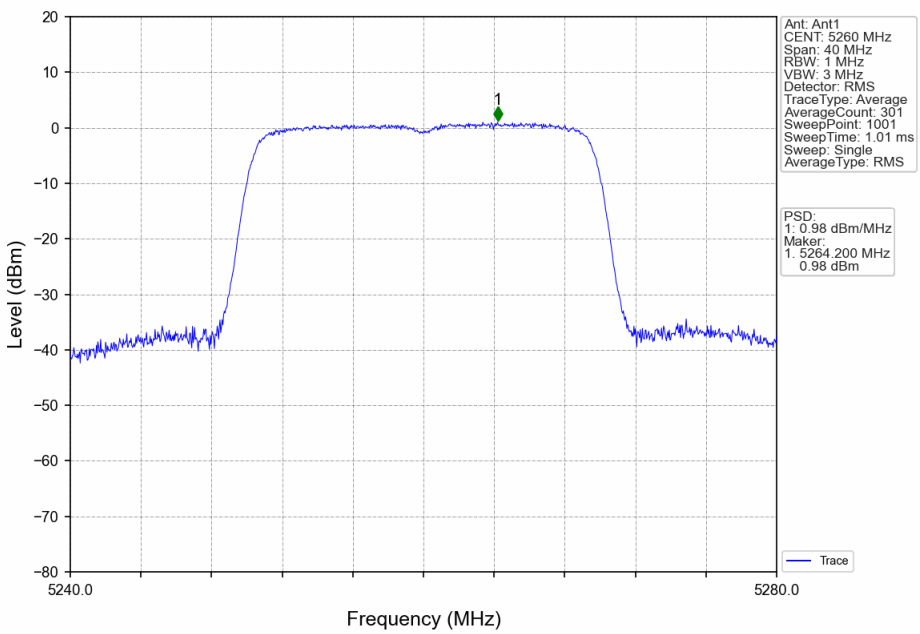

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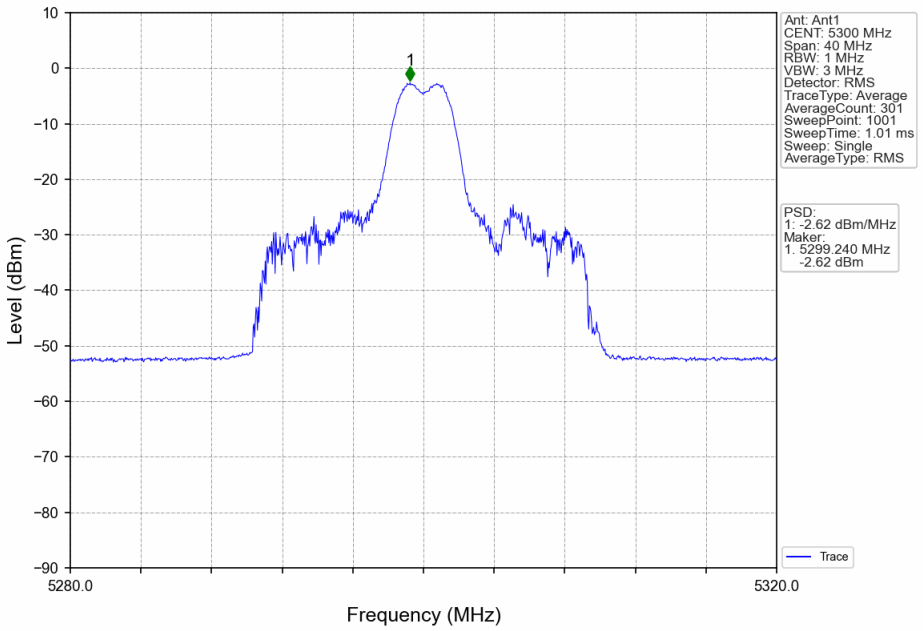
802.11ax(HEW20)_MCH_5300MHz_RU26_Mid_Ant2_NTNV



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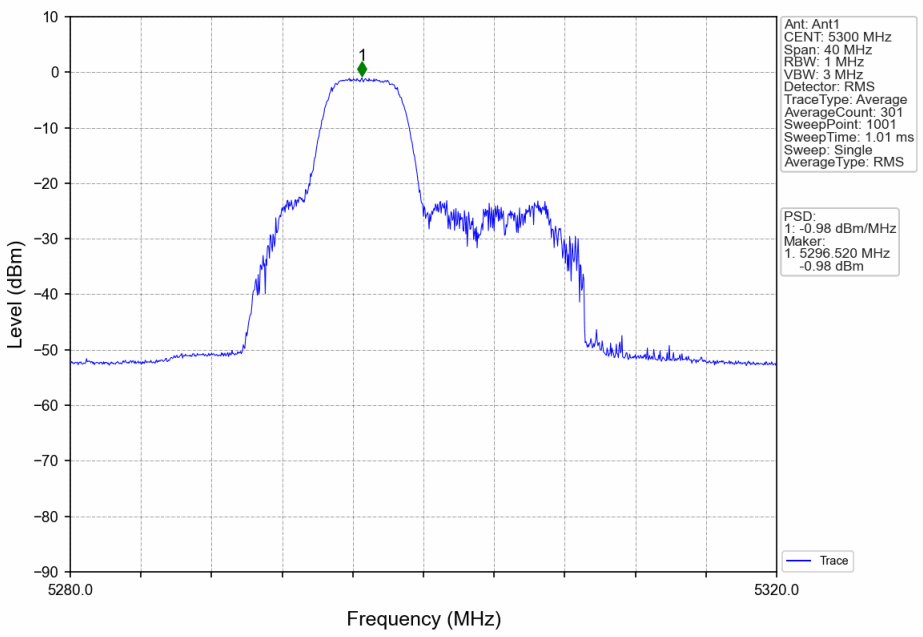

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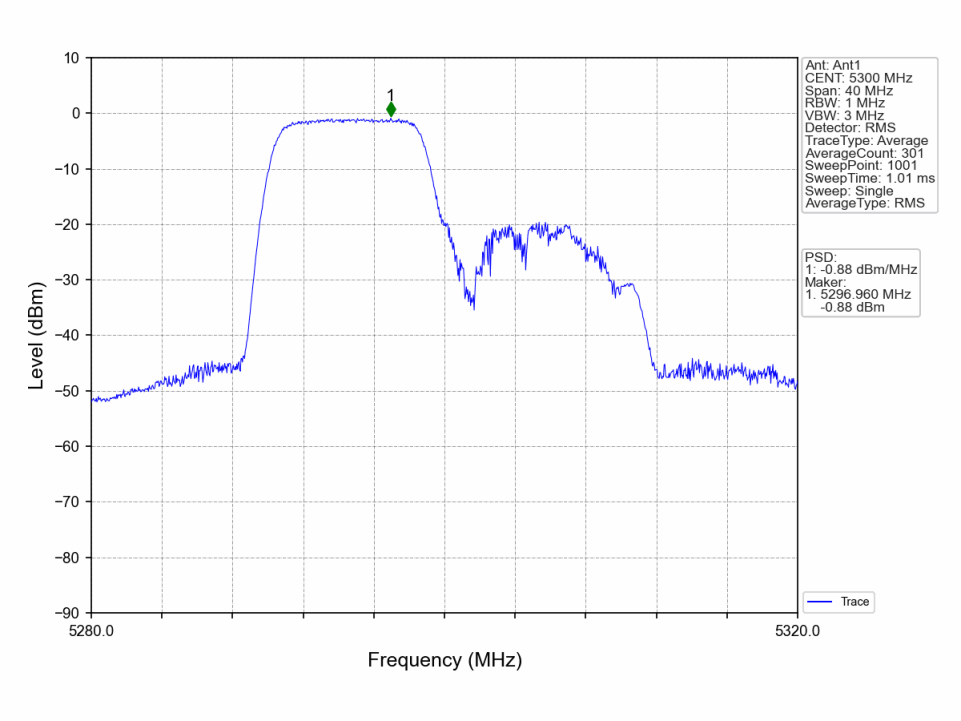

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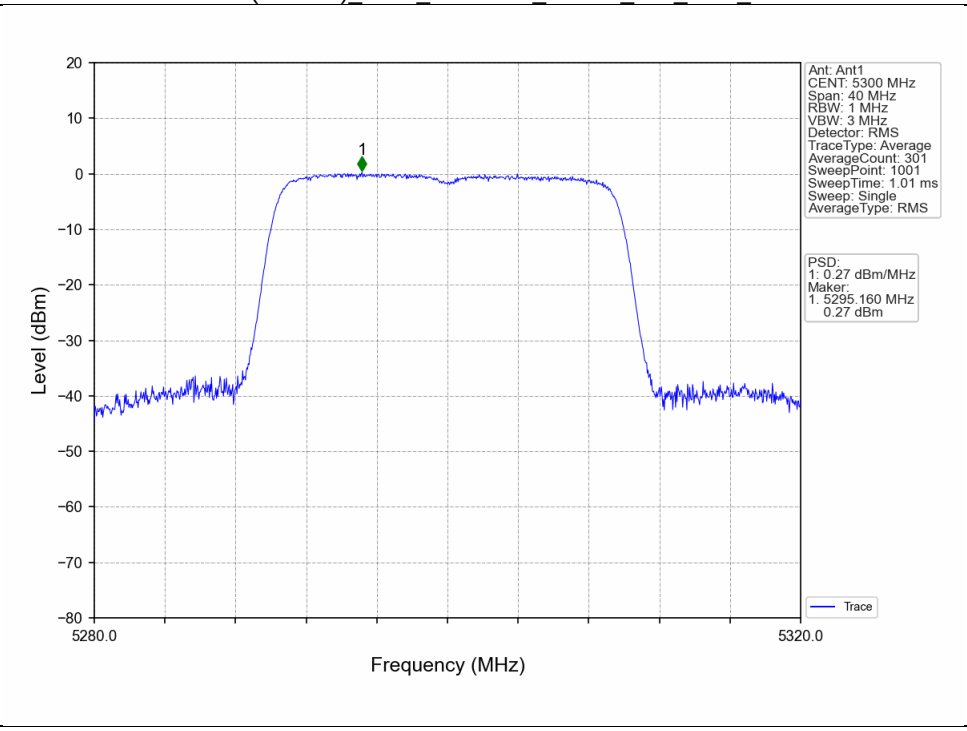

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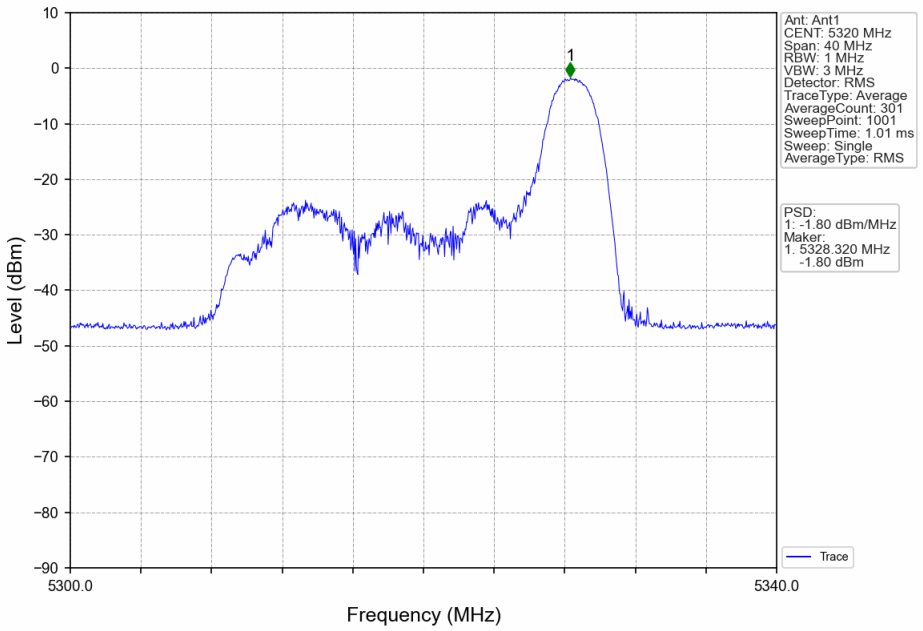
802.11ax(HEW20)_HCH_5320MHz_RU26_Right_Ant2_NTNV



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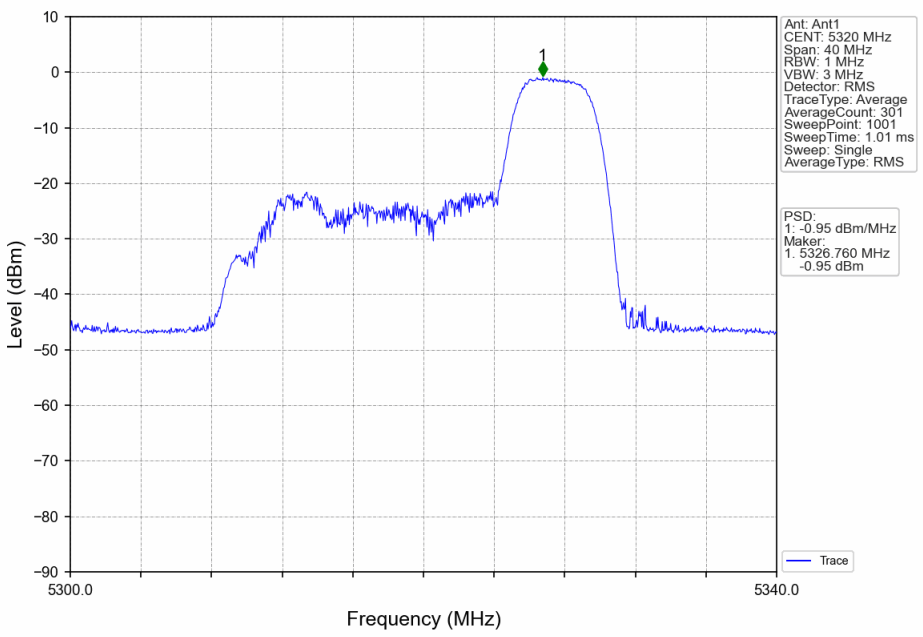

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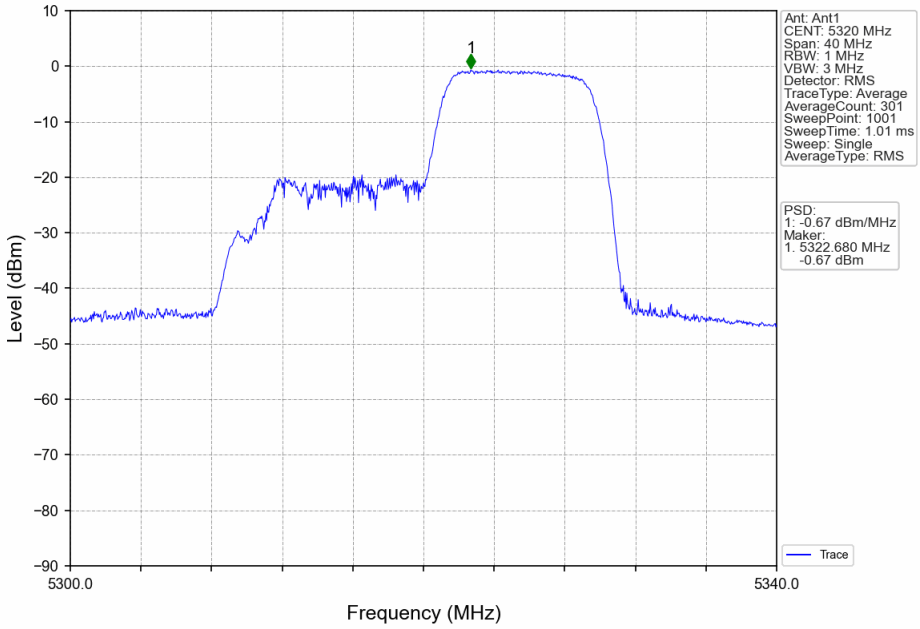
802.11ax(HEW20)_HCH_5320MHz_RU106_Right_Ant2_NTNV



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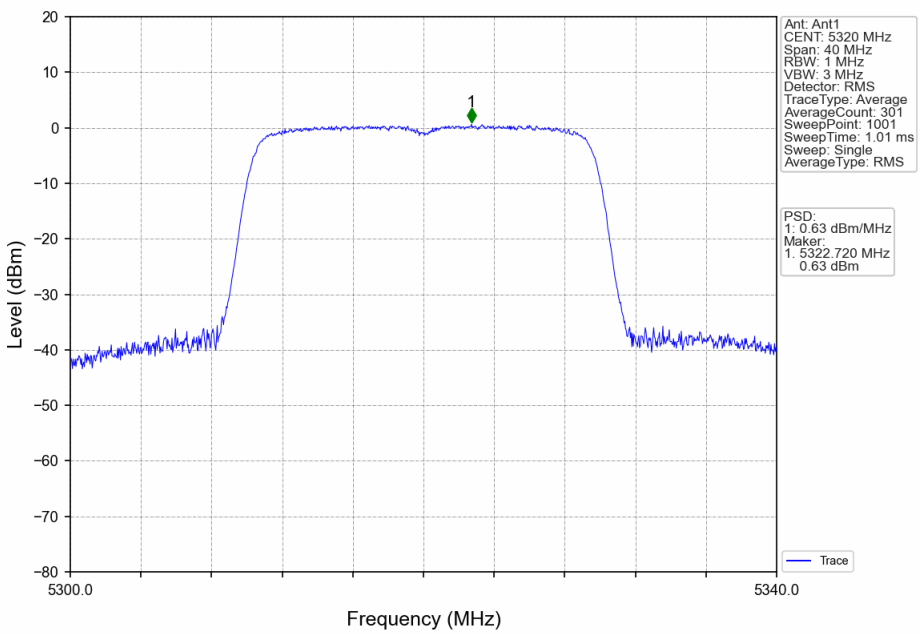

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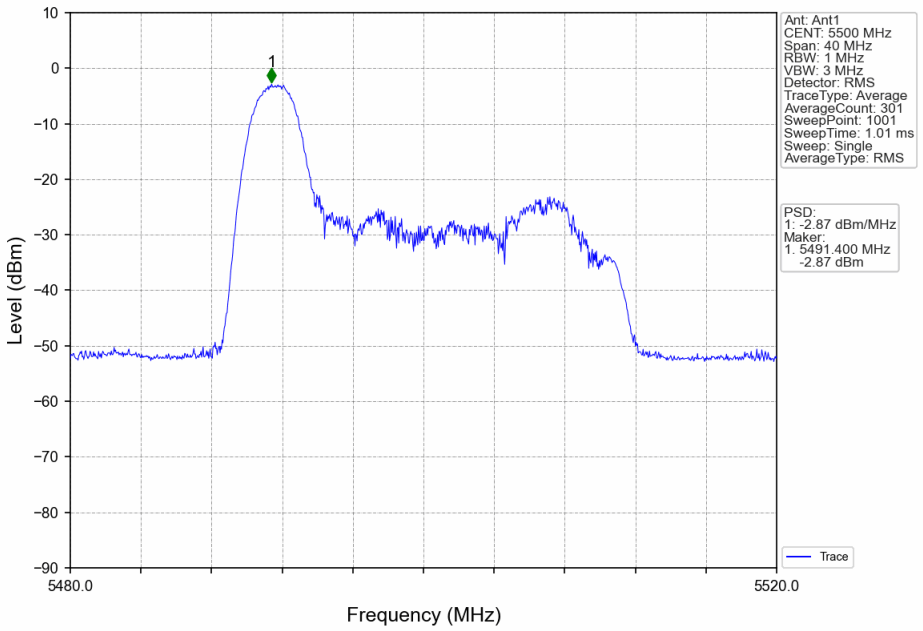
802.11ax(HEW20)_LCH_5500MHz_RU26_Left_Ant2_NTNV



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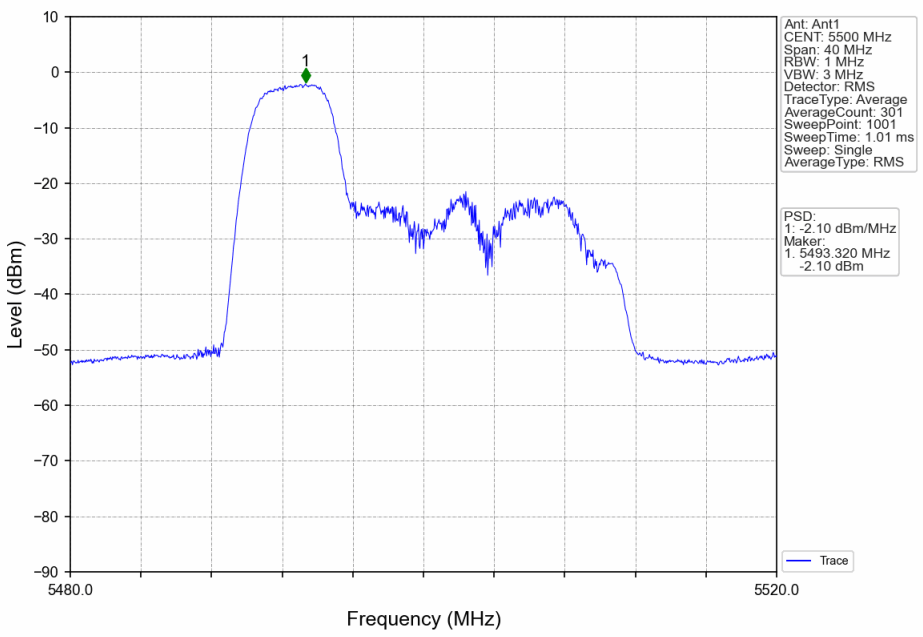

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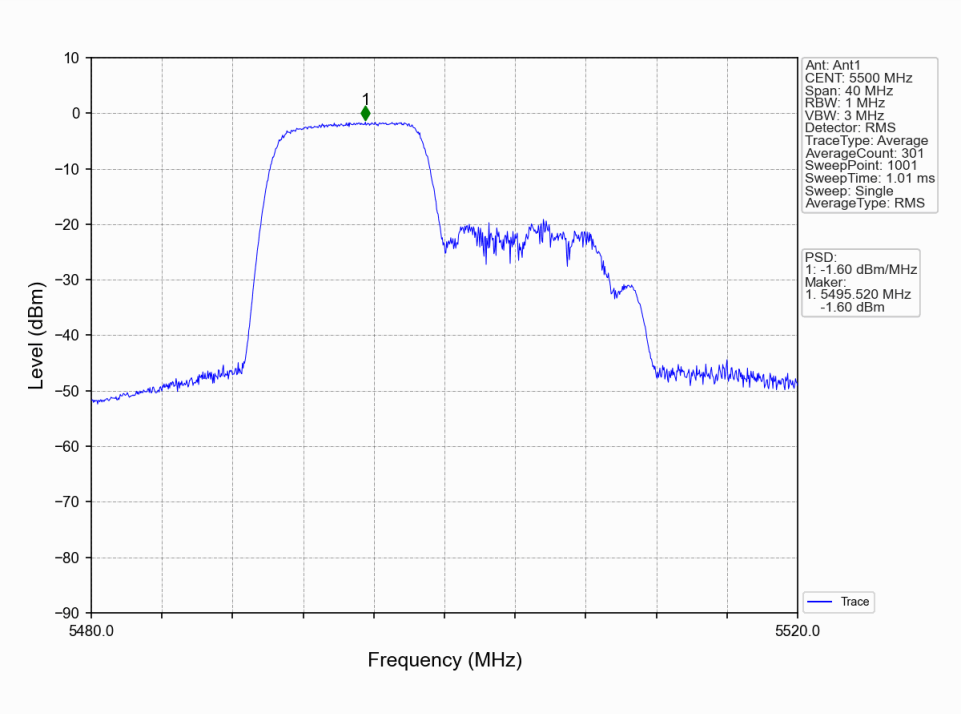

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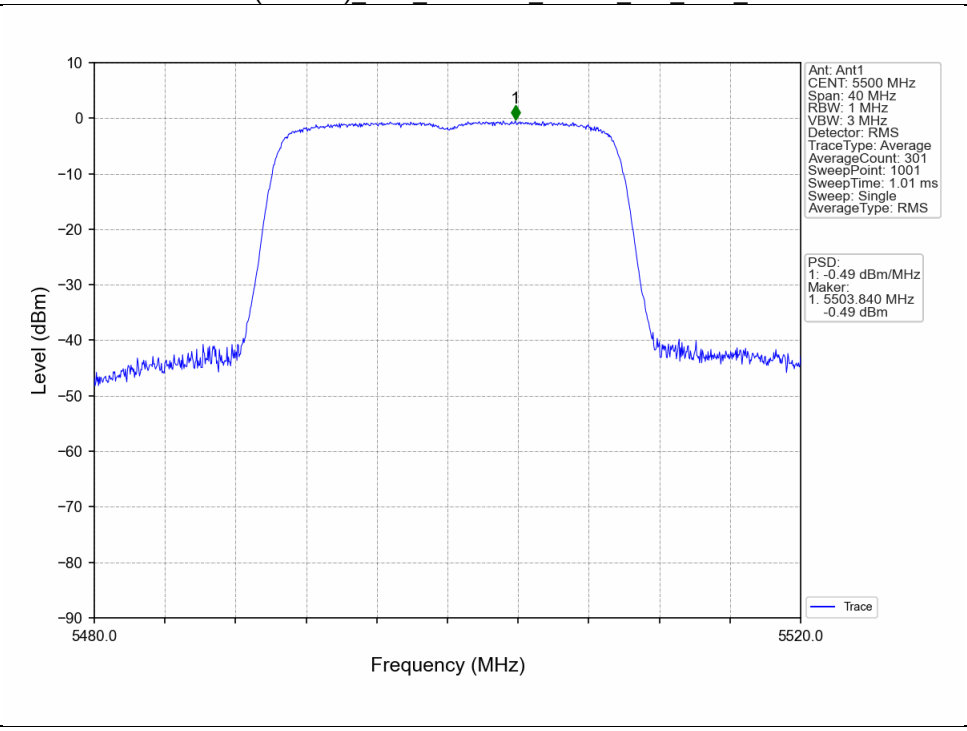

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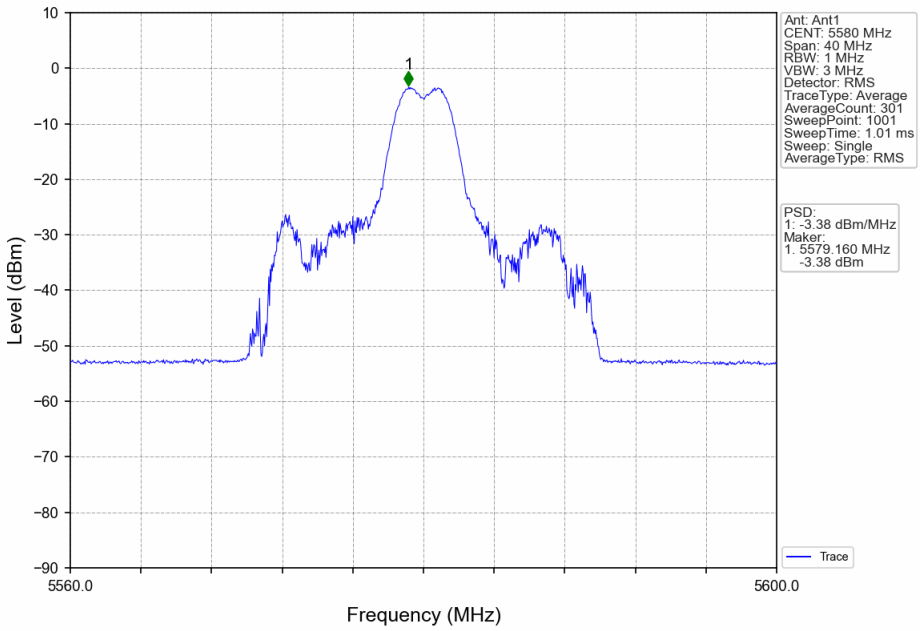
802.11ax(HEW20)_MCH_5580MHz_RU26_Mid_Ant2_NTNV



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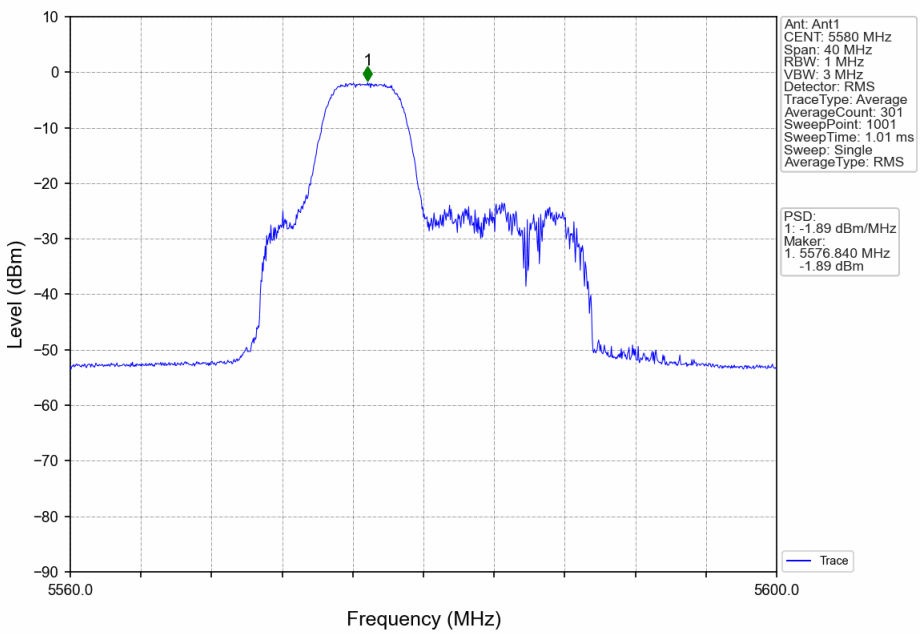

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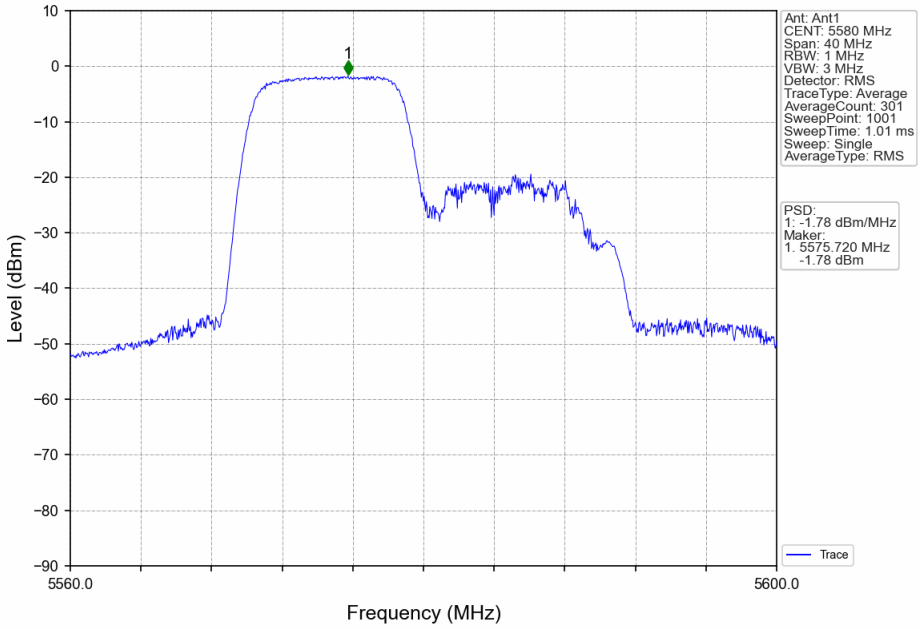

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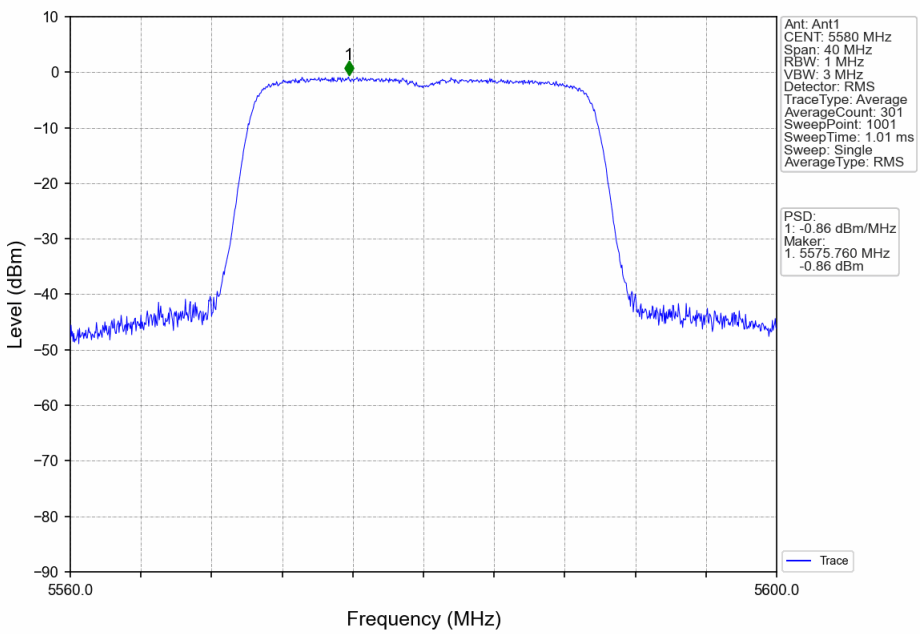

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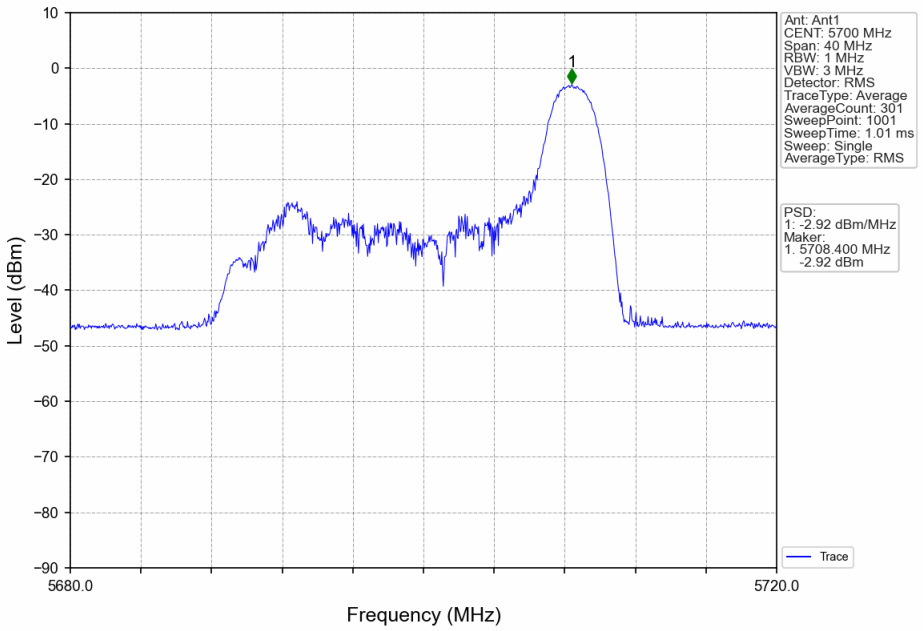

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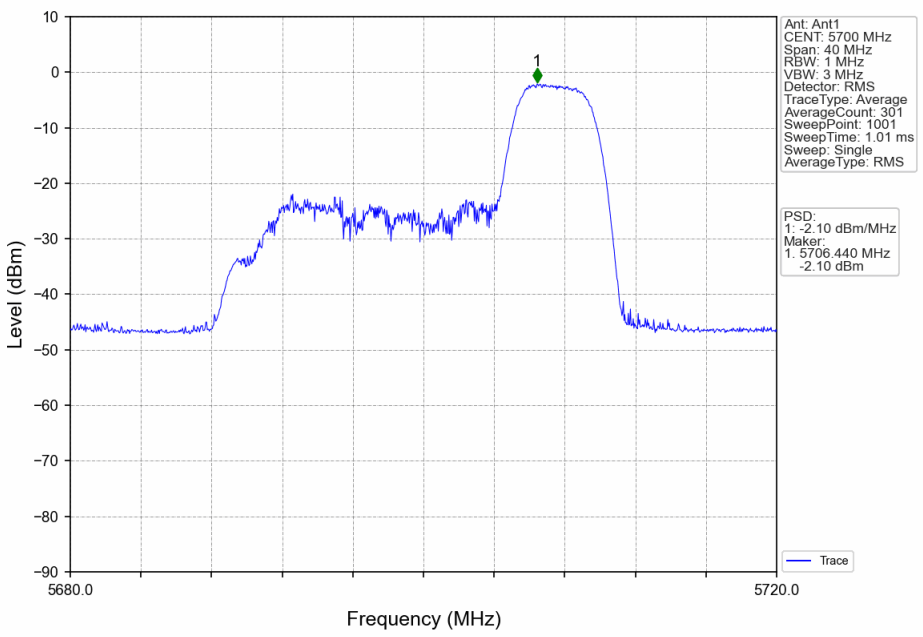
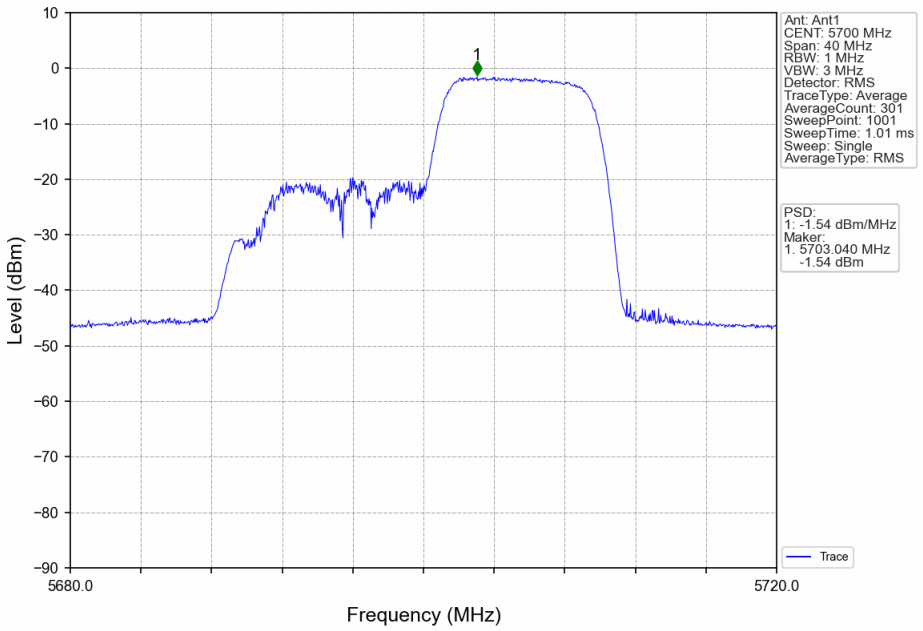
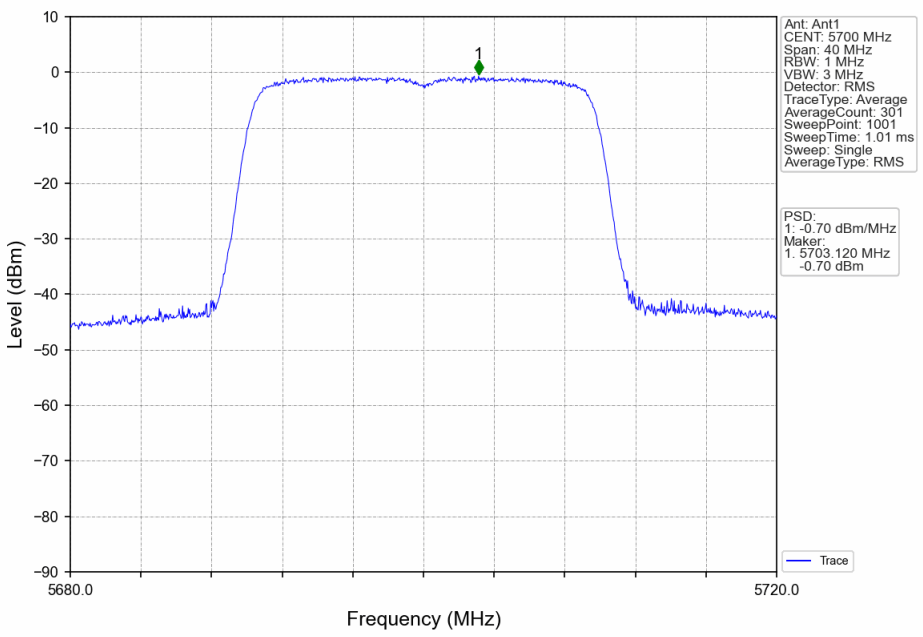


802.11ax(HEW20)_HCH_5700MHz_RU106_Right_Ant2_NTNV



802.11ax(HEW20)_HCH_5700MHz_RU242_Left_Ant2_NTNV



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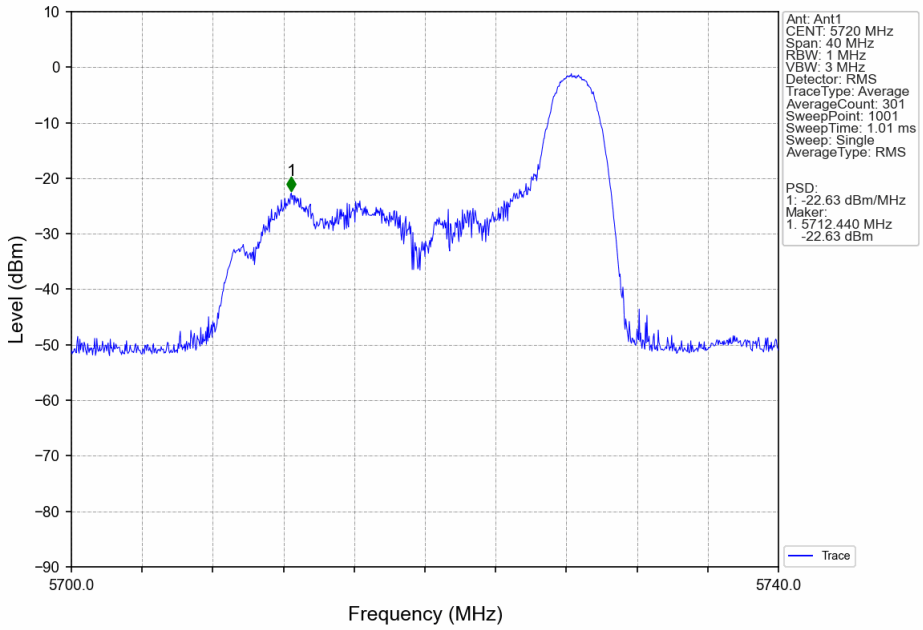
802.11ax(HEW20)_HCH_5720MHz_RU26_Left_Ant1_NTNV



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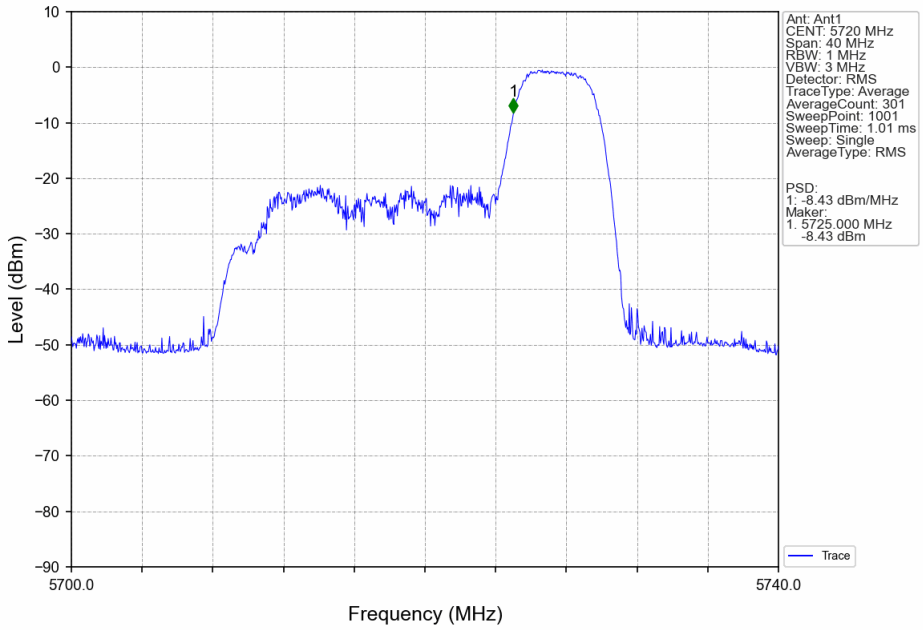

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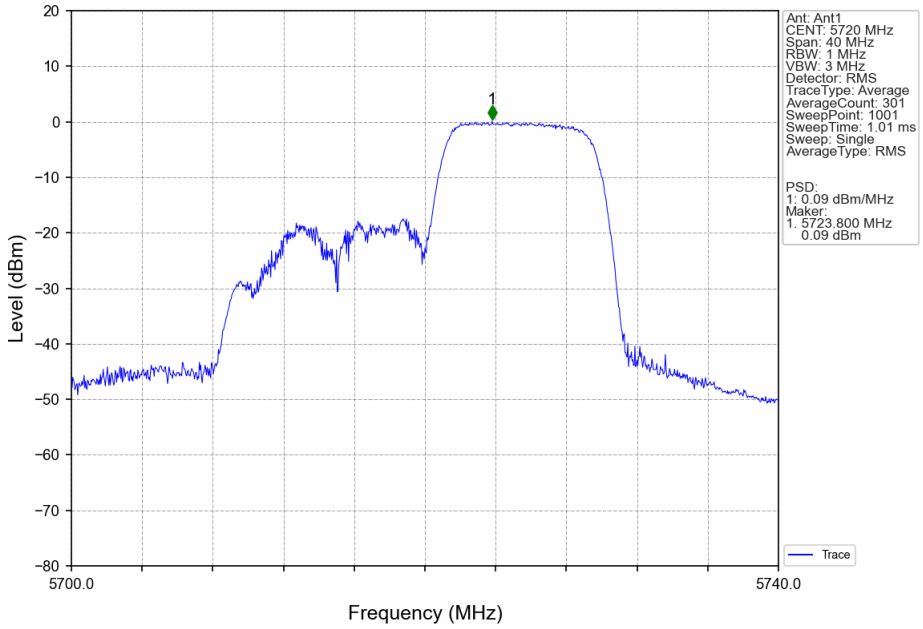
802.11ax(HEW20)_HCH_5720MHz_RU106_Left_Ant1_NTNV



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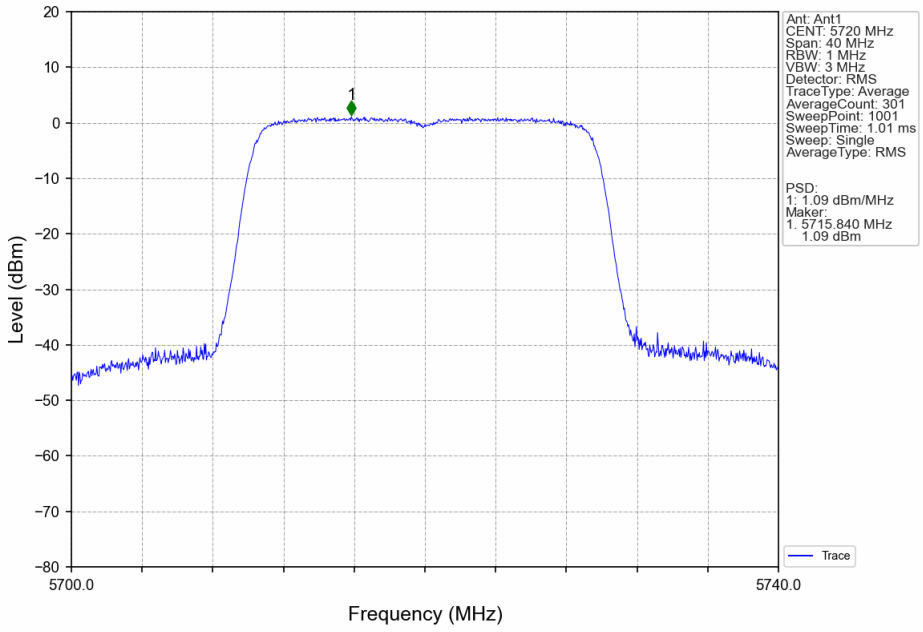

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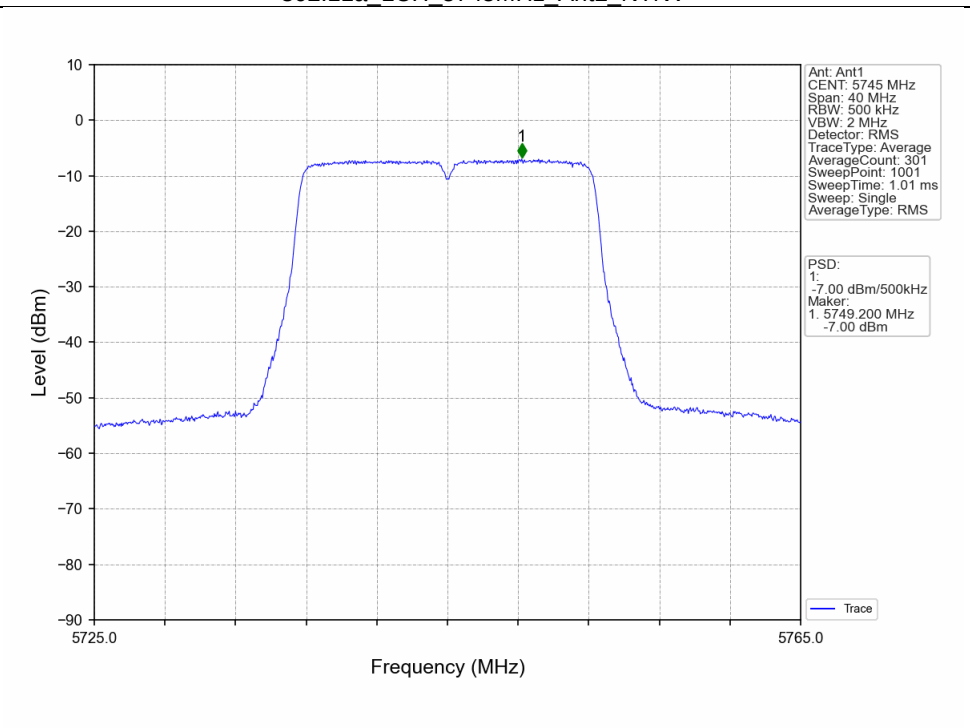
802.11a_LCH_5745MHz_Ant2_NTNV



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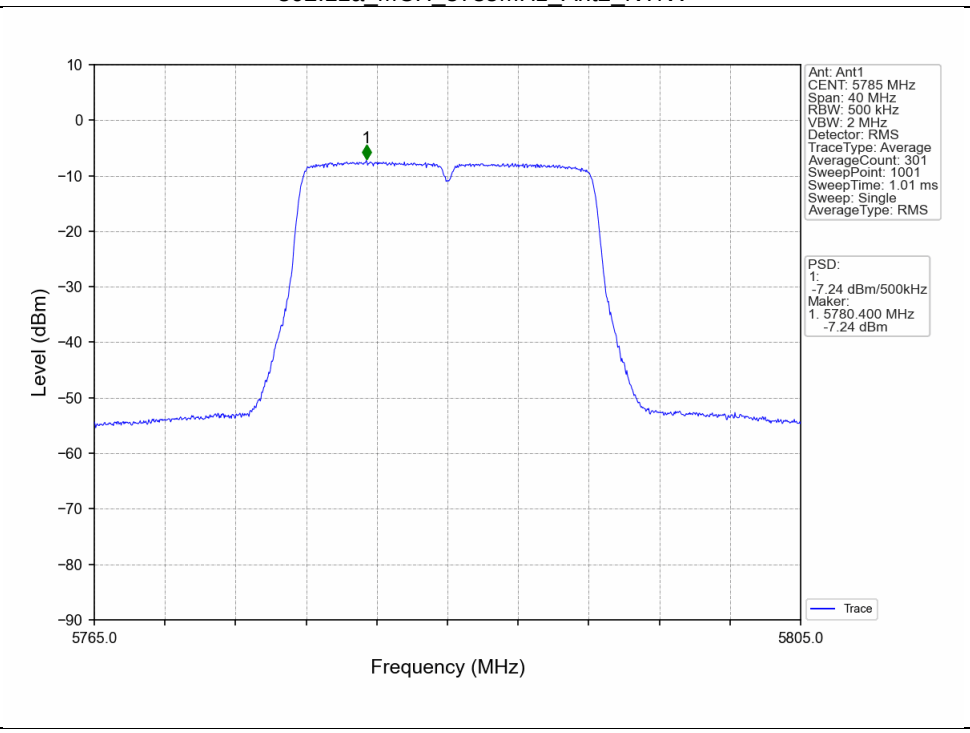

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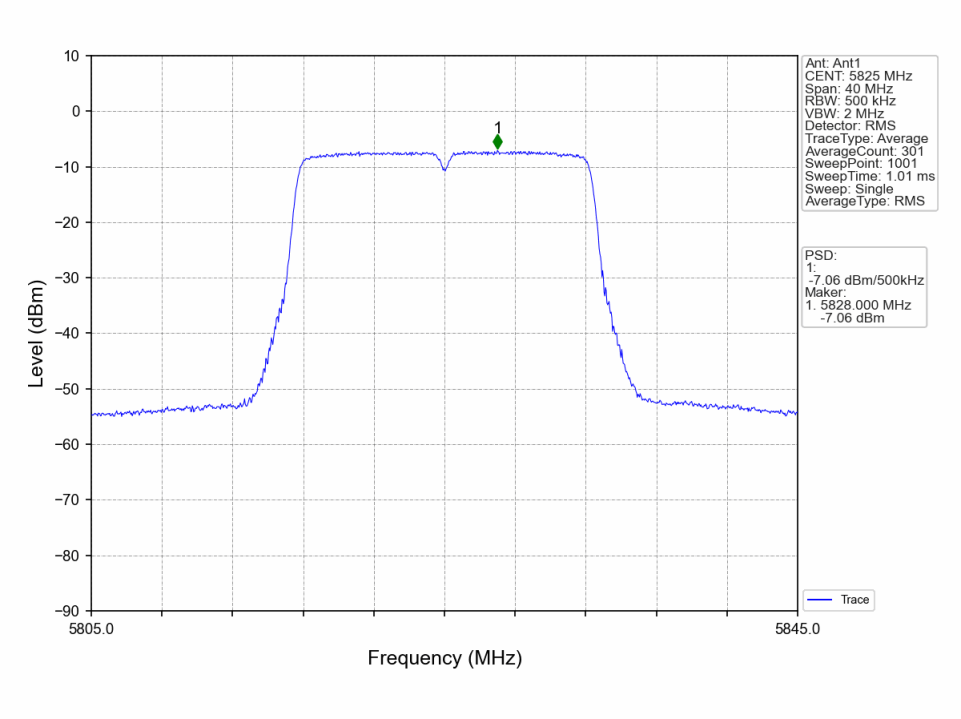
802.11a_HCH_5825MHz_Ant2_NTNV



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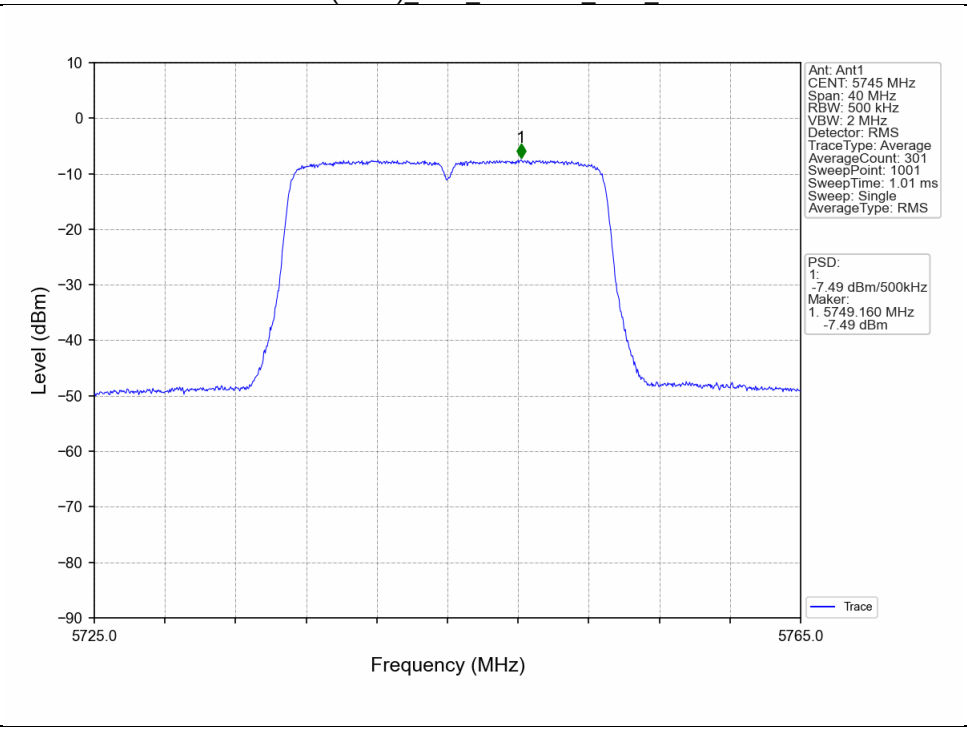

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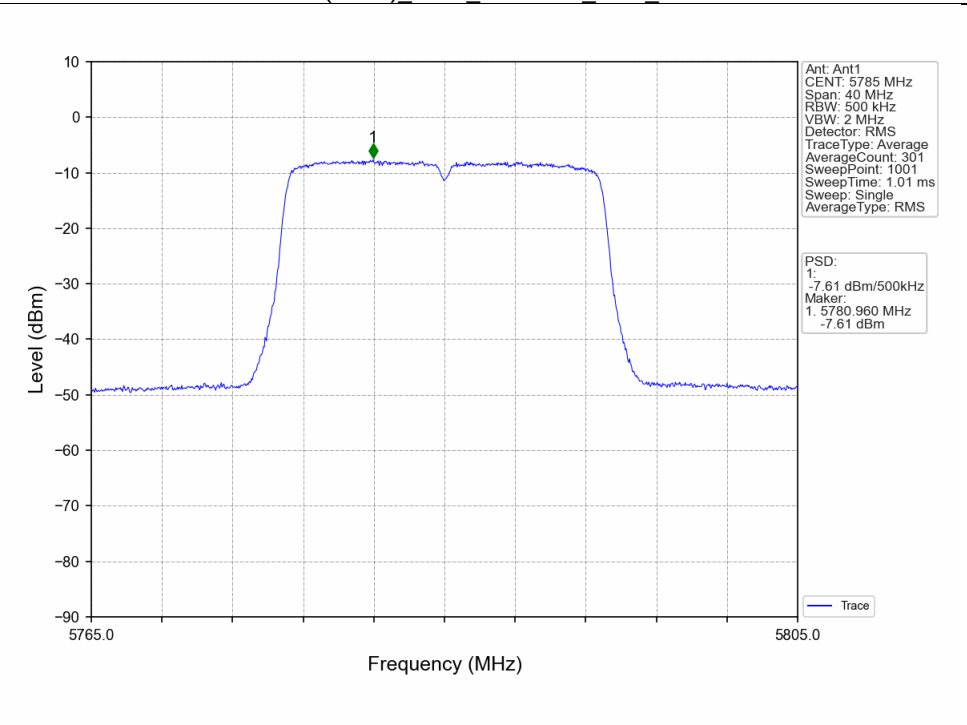
802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



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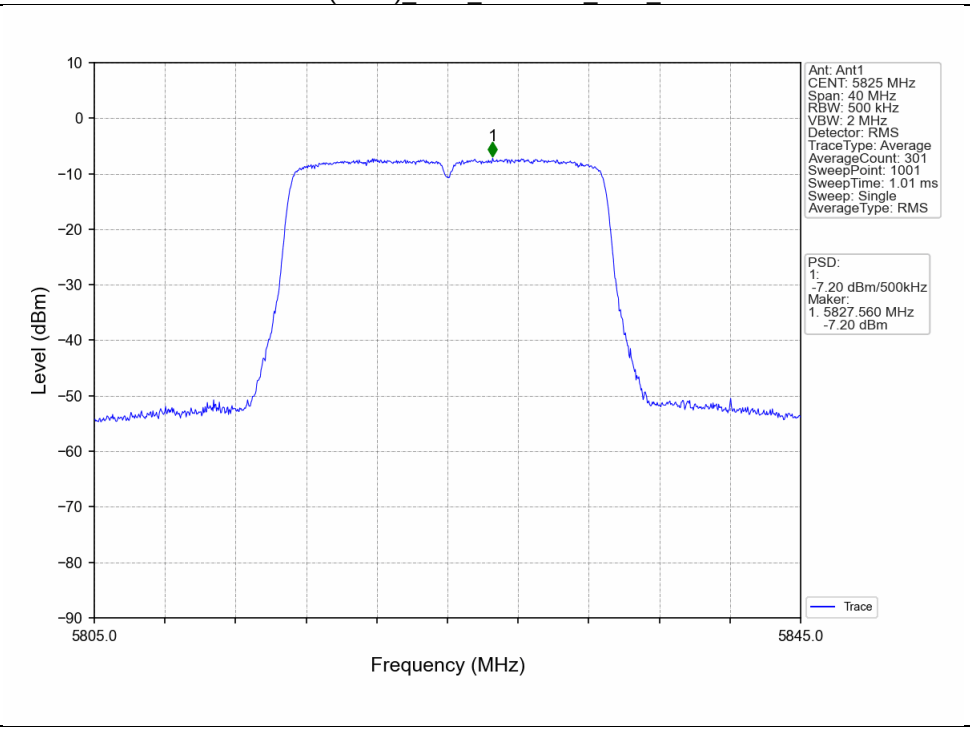

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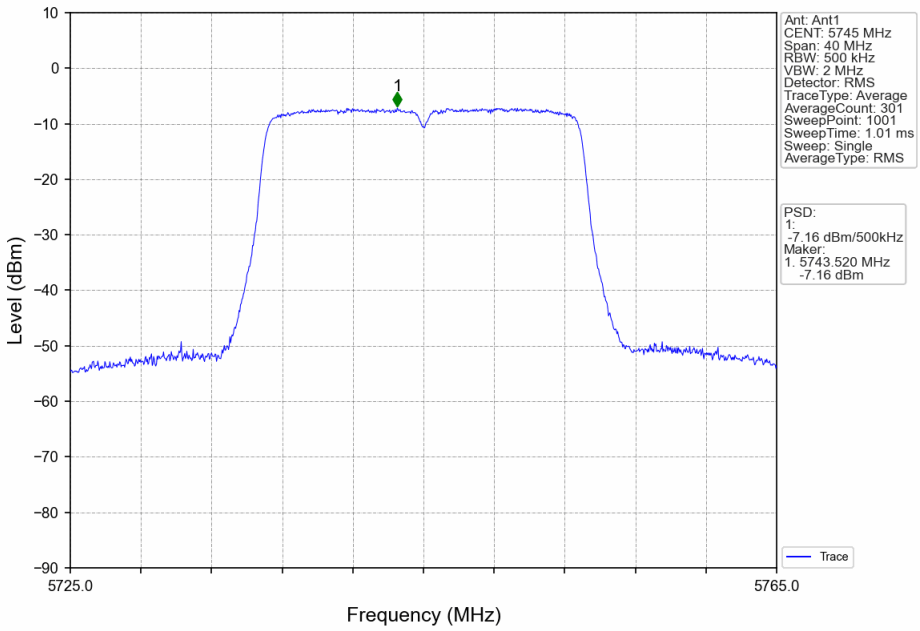
802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV



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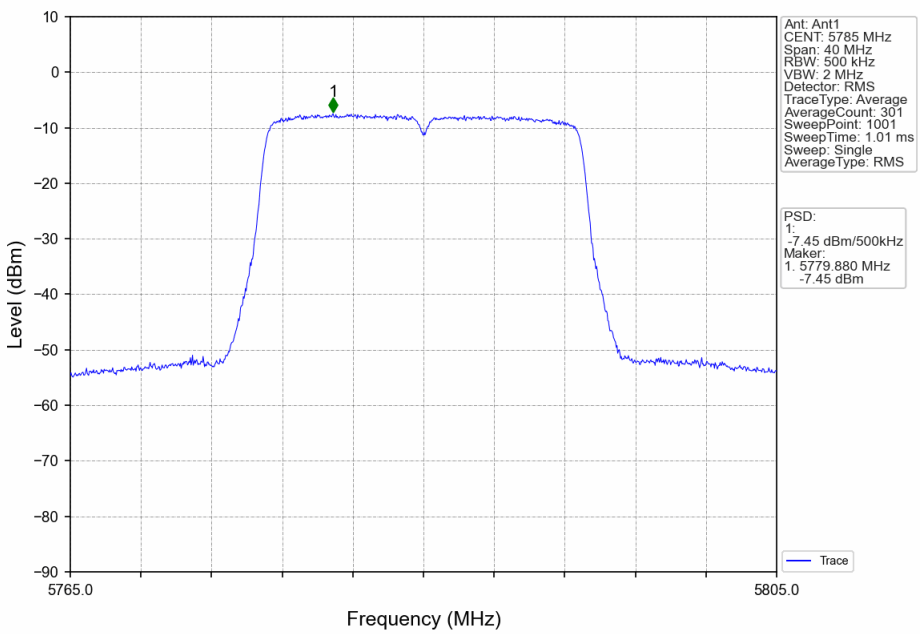

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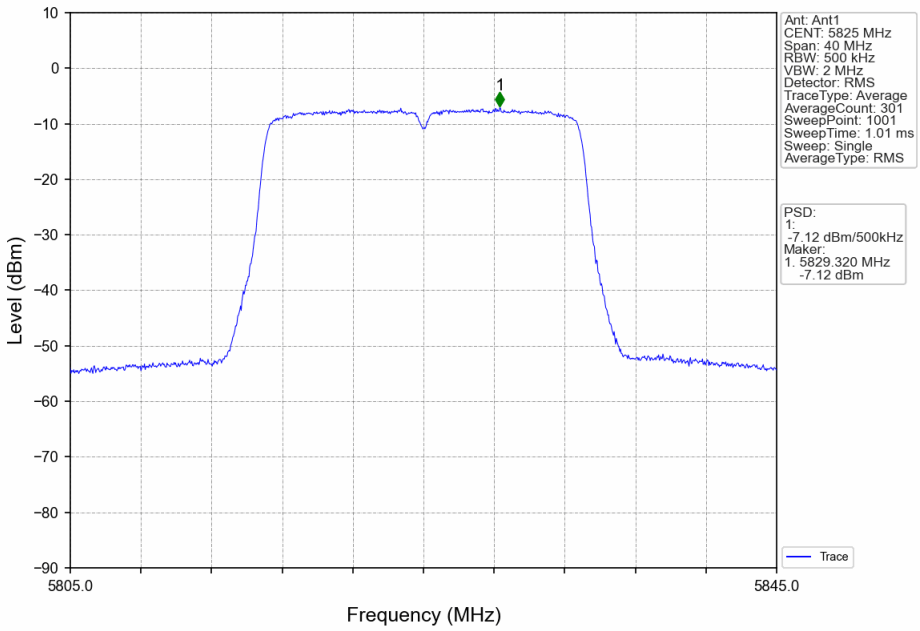
802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



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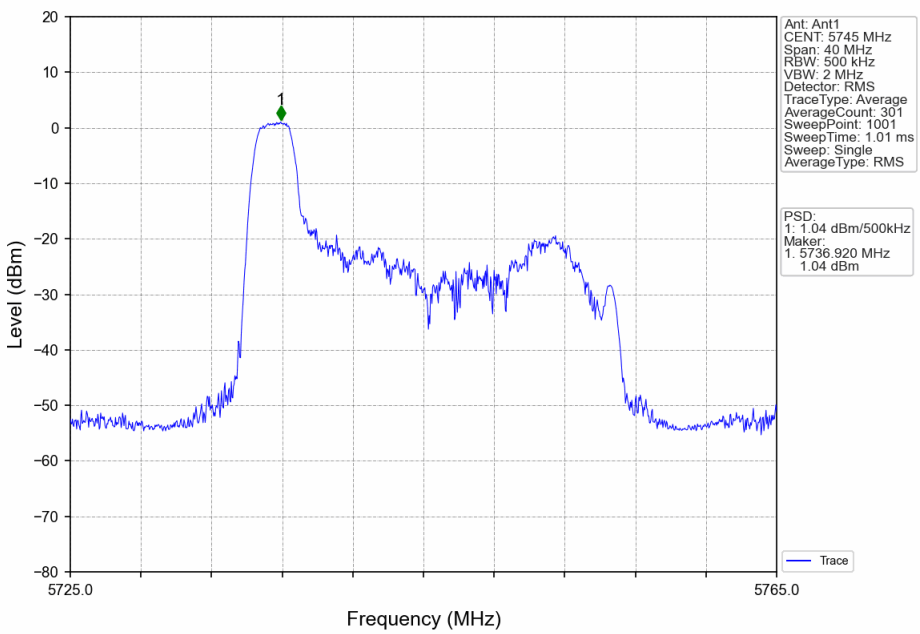

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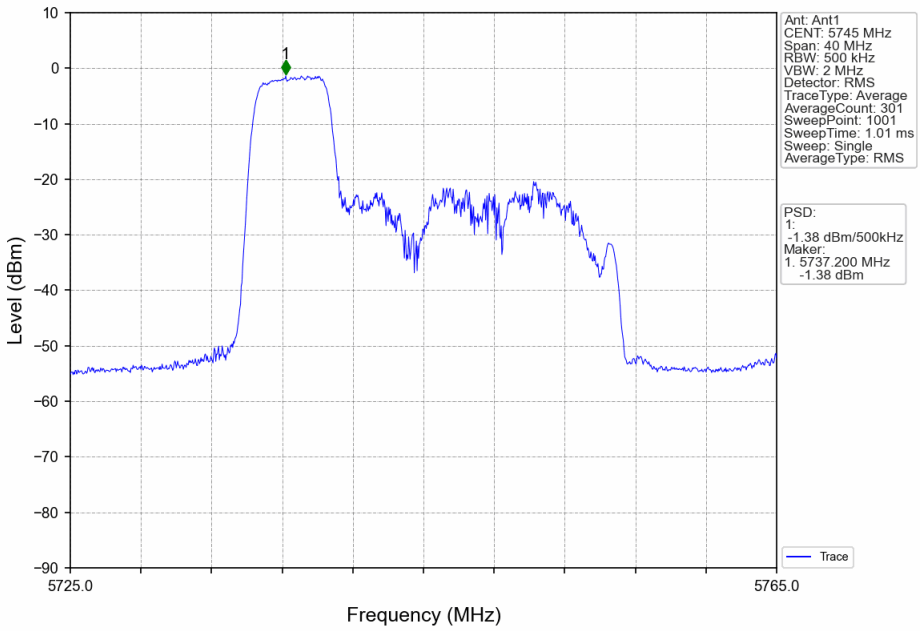
802.11ax(HEW20)_LCH_5745MHz_RU52_Left_Ant2_NTNV



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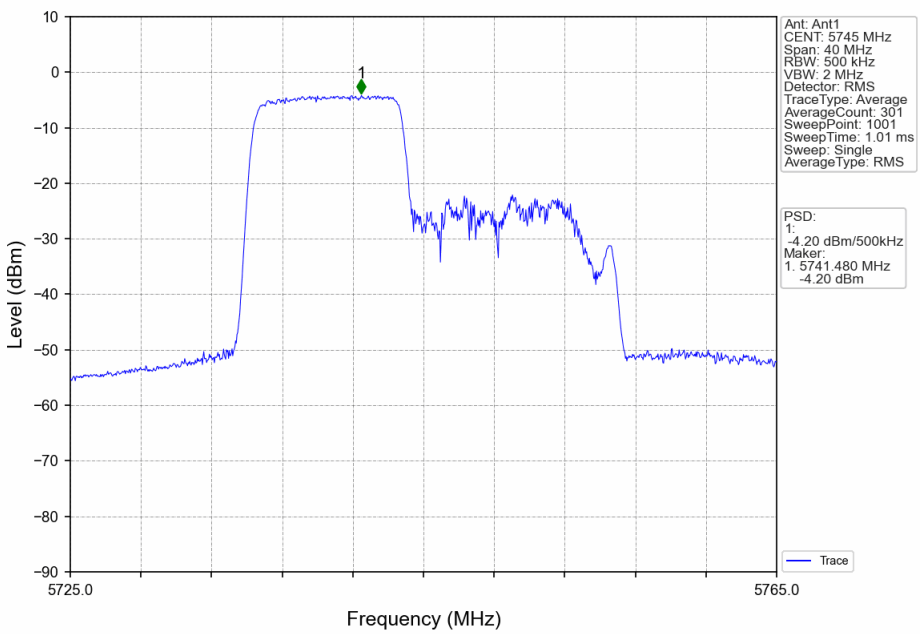

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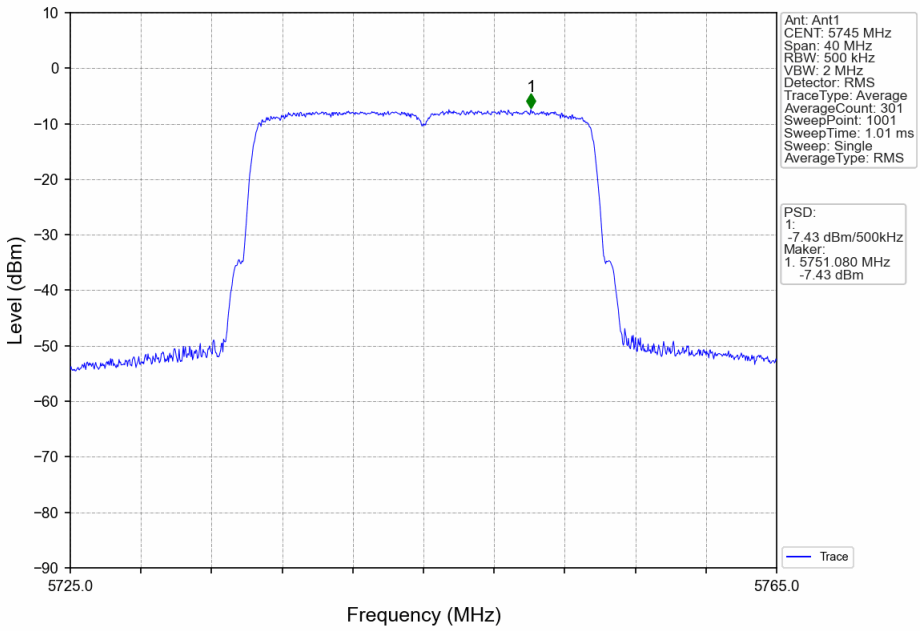
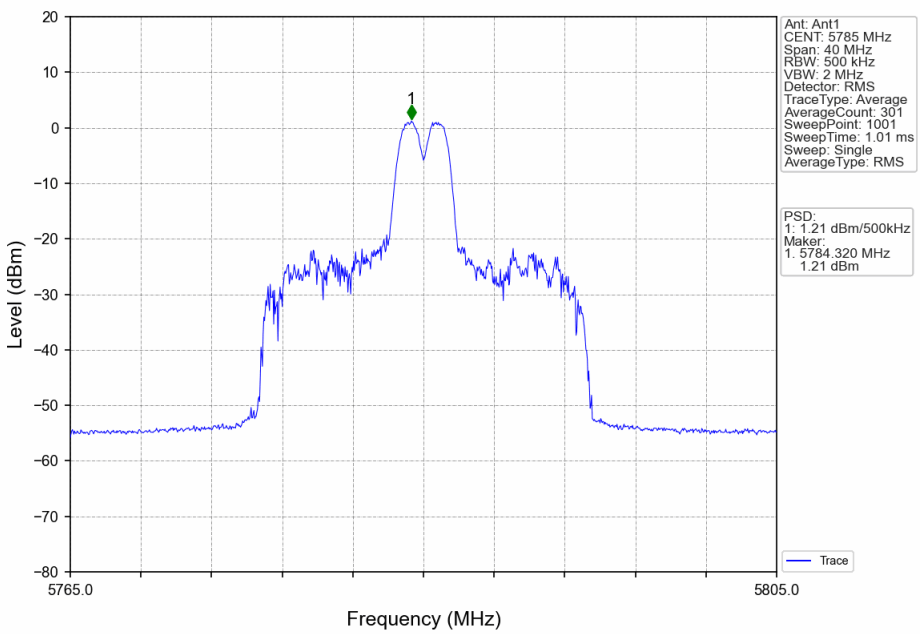


802.11ax(HEW20)_MCH_5785MHz_RU26_Mid_Ant2_NTNV



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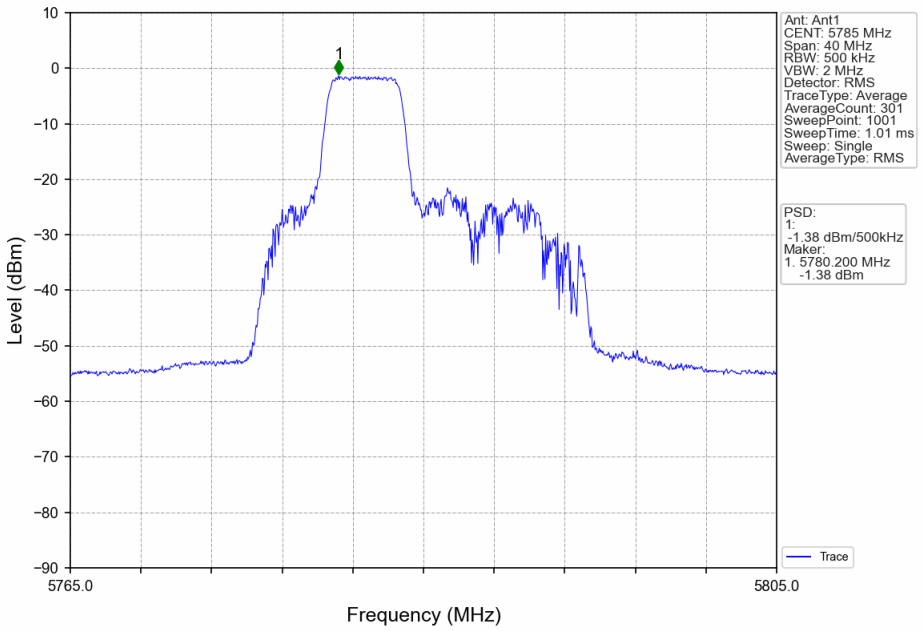
802.11ax(HEW20)_MCH_5785MHz_RU52_Mid_Ant2_NTNV



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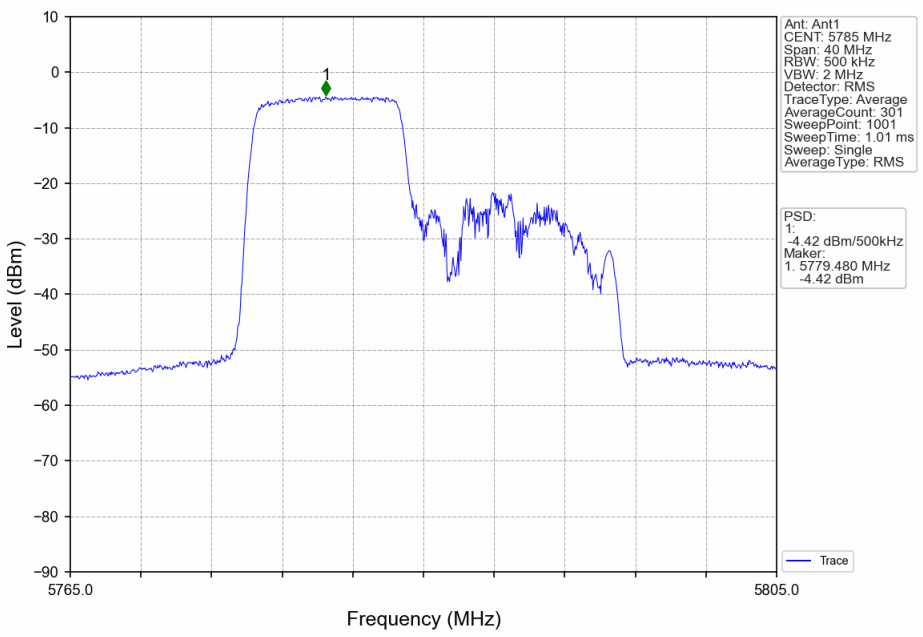

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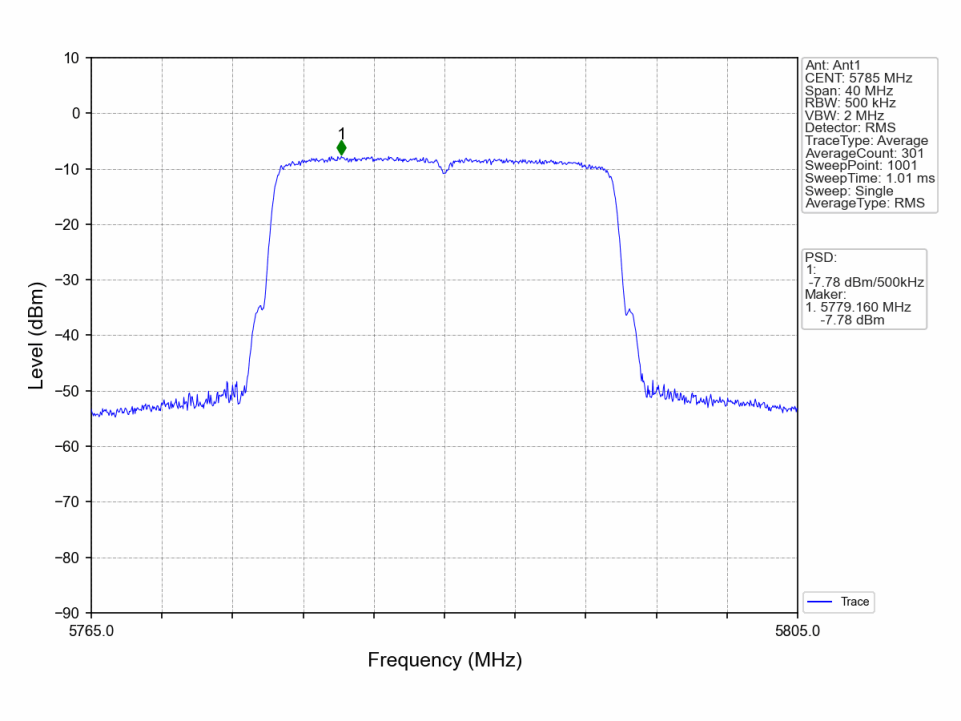
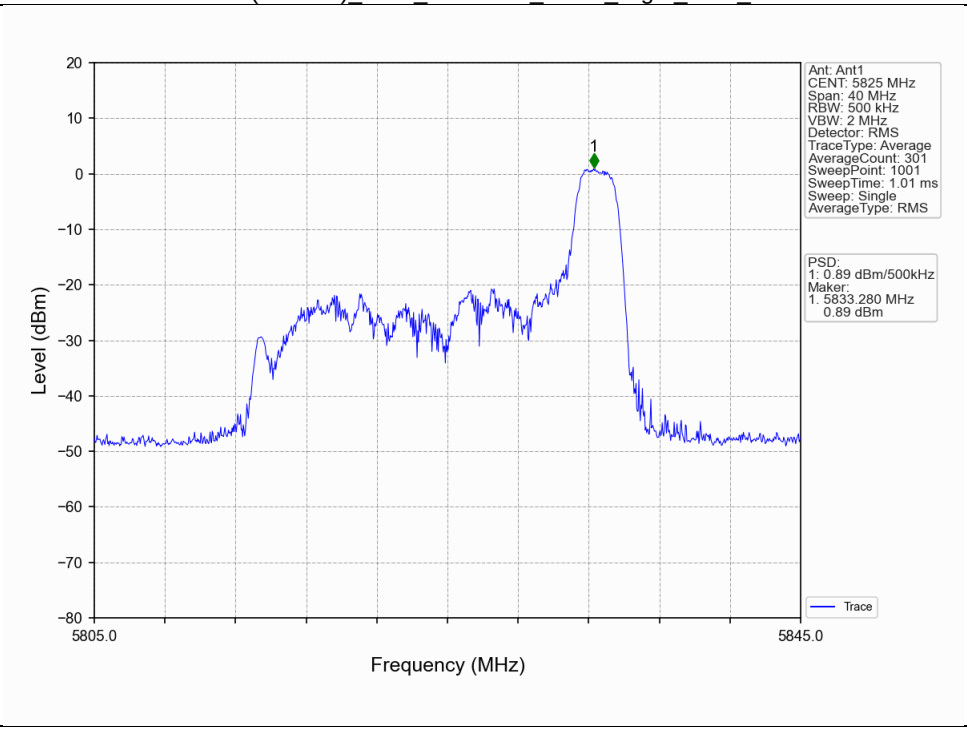
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant2_NTNV



802.11ax(HEW20)_HCH_5825MHz_RU26_Right_Ant2_NTNV



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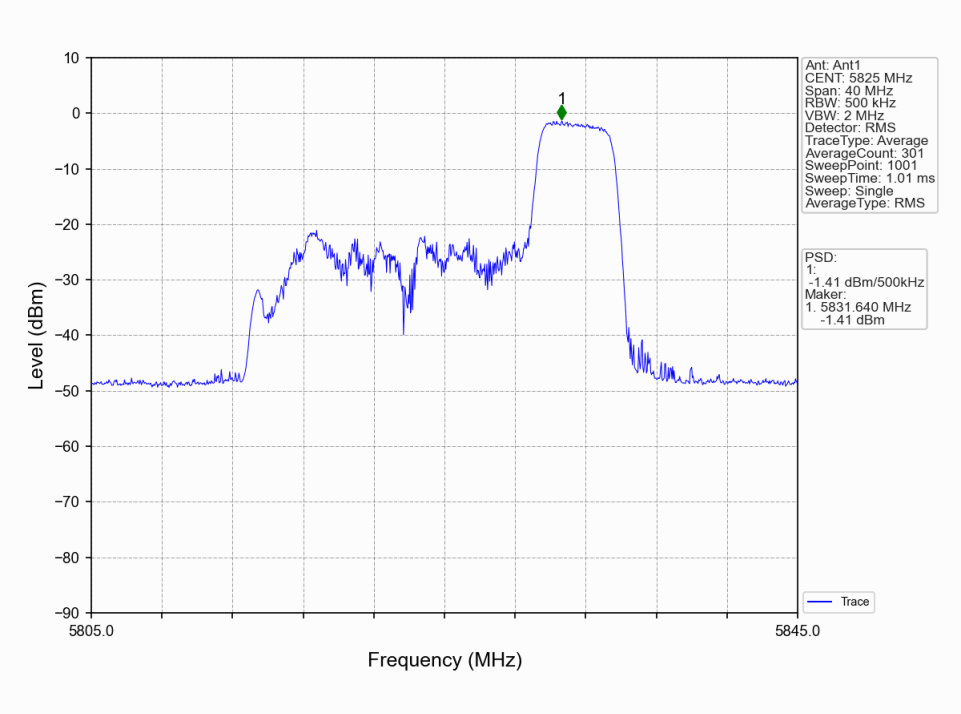
802.11ax(HEW20)_HCH_5825MHz_RU52_Right_Ant2_NTNV



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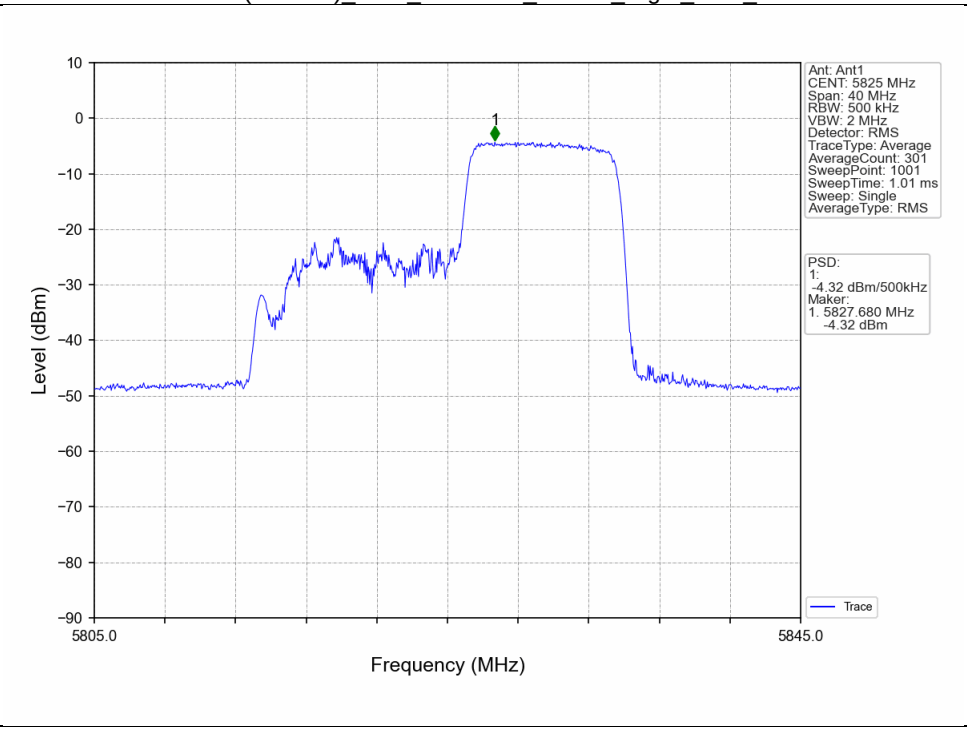

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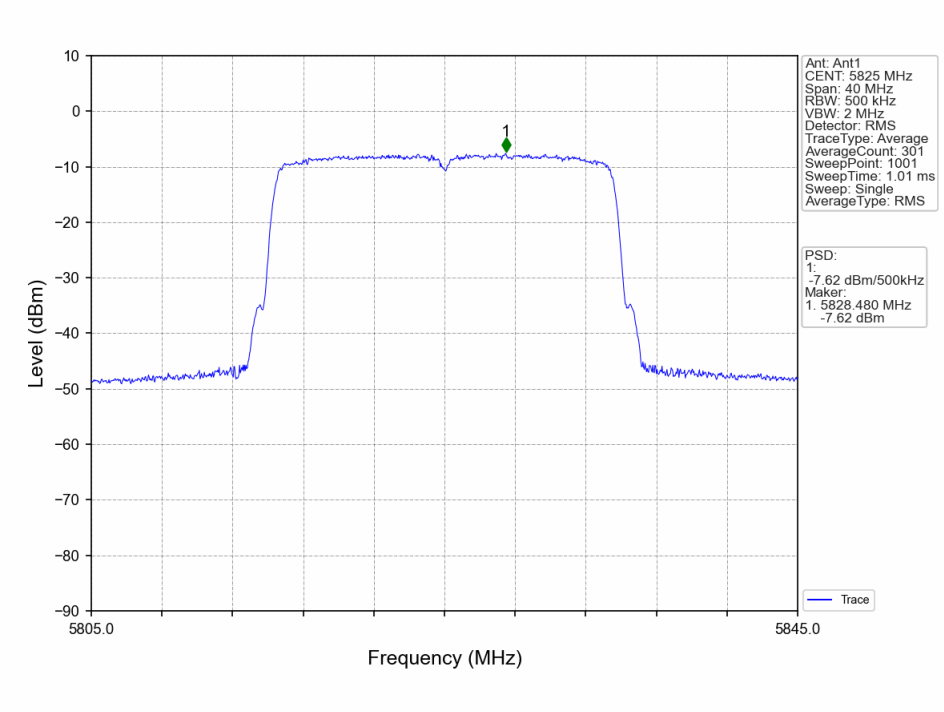

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8.5 Radiated Unwanted Emissions

Transmitting Spurious Emission Test Result as Below:

Radiated Spurious Emission Test Method:

1. The EUT was place on a turn table which is 1.5m above ground plane for above 1GHz and 0.8m above ground for below 1GHz at 3meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference – receiving antenna, which was mounted on the top of a variable – height antenna tower.
3. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned
5. Use the following spectrum analyzer settings According to C63.10:
   1) Procedure for Unwanted Emissions Measurements Below 1000 MHz
   • RBW = 120 kHz
   • VBW = 300 kHz
   • Detector = Peak
   • Trace mode = max hold
   2) For Above 1GHz:
   Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
   • RBW = 1 MHz
   • VBW ≥ 3 MHz
   • Detector = Peak
   • Sweep time = auto
   • Trace mode = max hold
   3) Procedures for Average Unwanted Emissions Measurements above 1000 MHz
   a) RBW = 1 MHz.
   b) VBW ≥ [3 × RBW].
   c) Detector = Power averaging (rms), if [span / (# of points in sweep)] ≤ RBW / 2. Satisfying this condition can require increasing the number of points in the sweep or reducing the span. If the condition is not satisfied, then the detector mode shall be set to peak.
   d) Averaging type = power (i.e., rms) (As an alternative, the detector and averaging type may be set for linear voltage averaging. Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.)
   e) Sweep time = auto.
   f) Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, then the number of traces shall be increased by a factor of 1 / D, where D is the
   duty cycle. For example, with 50% duty cycle, at least 200 traces shall be averaged. (If a specific emission is demonstrated to be continuous—i.e., 100% duty cycle—then rather than turning ON and OFF with the transmit cycle, at least 100 traces shall be averaged.)
   g) If tests are performed with the EUT transmitting at a duty cycle less than 98%, then a correction factor shall be added to the measurement results prior to comparing with the emission limit, to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:

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(1) If power averaging (rms) mode was used in the preceding step e), then the correction factor is [10 log (1 / D)], where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB shall be added to the measured emission levels.
(2) If linear voltage averaging mode was used in the preceding step e), then the correction factor is [20 log (1 / D)], where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 6 dB shall be added to the measured emission levels. If a specific emission is demonstrated to be continuous (100% duty cycle) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission.

FCC Limit

The radio emission outside the operating frequency band 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. Radiated emissions which fall in the restricted bands, as defined in section15.205, must comply with the radiated emission limits specified in section 15.209.

Frequency MHz	Field Strength µV/m	Field Strength dBµV/m	Detector	Measurement distance meters
0.009-0.490	2400/F(kHz)	48.5-13.8	AV	300
0.490-1.705	24000/F(kHz)	33.8-23.0	QP	30
1.705-30	30	29.5	QP	30
30-88	100	40	QP	3
88-216	150	43.5	QP	3
216-960	200	46	QP	3
960-1000	500	54	QP	3
Above 1000	500	54	AV	3
Above 1000	5000	74	PK	3

Note 1: Limit 3m(dBµV/m)=Limit 300m(dBµV/m)+40Log(300m/3m) (Below 30MHz)
Note 2: Limit 3m(dBµV/m)=Limit 30m(dBµV/m)+40Log(30m/3m) (Below 30MHz)

According to part 15.407b (1) (2) (3) (4)
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.
For transmitters operating in the 5.25-5.35 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.
For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
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.
According to part 15.407b (9), Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.
According to part 15.407b (10), The provisions of §15.205 apply to intentional radiators operating under this section.
Note: According to C63.10, the Conversion Factors between E[dBµV/m] and EIRP[dBm] as below:
E[dBµV/m] = EIRP[dBm] + 95.2, for d = 3 meters.

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ISED Limit

According to RSS-247 section 6.2, the radio emission outside the operating frequency band 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. Radiated emissions which fall in the restricted bands, as defined in RSS-Gen section 8.10, must comply with the radiated emission limits specified in RSS-Gen section 8.9.

Frequency MHz	Field Strength µA/m	Field Strength dBµA/m	Detector	Measurement distance meters
0.009-0.490	6.37/F (F in kHz)	-3.0 to -37.7	AV	300
0.490-1.705	63.7/F (F in kHz)	-17.7 to -28.5	QP	30
1.705-30	0.08	-22	QP	30
Frequency MHz	**Field Strength µV/m**	**Field Strength dBµV/m**	**Detector**	**Measurement distance meters**
30-88	100	40	QP	3
88-216	150	43.5	QP	3
216-960	200	46	QP	3
960-1000	500	54	QP	3
Above 1000	500	54	AV	3
Above 1000	5000	74	PK	3

Note 1: Limit 3m(dBµV/m)=Limit 300m(dBµV/m)+40Log(300m/3m) (Below 30MHz)
Note 2: Limit 3m(dBµV/m)=Limit 30m(dBµV/m)+40Log(30m/3m) (Below 30MHz)

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz. The 26 dB bandwidth may fall into the 5250-5350 MHz band; however, if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing dynamic frequency selection (DFS) and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.
For transmitters operating in the 5.25-5.35 GHz band: All emissions outside the band 5250-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p.
For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed -27 dBm/MHz e.i.r.p.
For transmitters operating in the 5.725-5.85 GHz band: shall have e.i.r.p. of unwanted emissions comply with the following:
a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and
d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

Note: According to C63.10, the Conversion Factors between E[dBµV/m] and EIRP[dBm] as below:
E[dBµV/m] = EIRP[dBm] + 95.2, for d = 3 meters.

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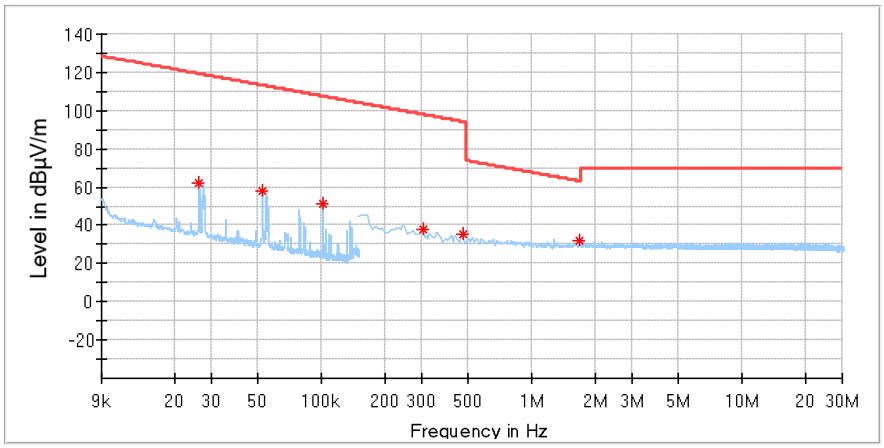
Spurious radiated emissions for transmitter

According to C63.10, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement, so AV emission value did not show in below table if the peak value complies with average limit.

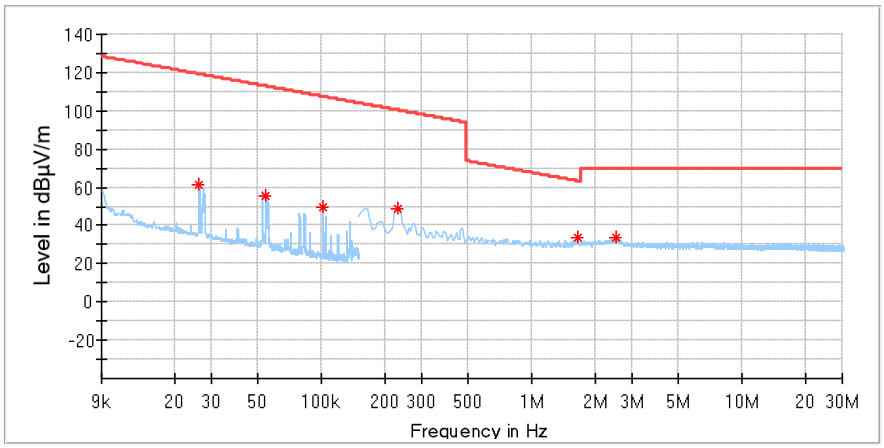
Only the worst case (802.11ax20 modulation) test result is listed in the report.

Radiated Mode:
Transmitting spurious emission test result as below:

802.11ax20_5180_242Tone_RU61_ANT2 (9kHz-30MHz)



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.026249	62.46	119.21	56.74	H	139.0	19.87
0.052475	57.78	113.19	55.42	H	194.0	19.91
0.101355	51.05	107.48	56.43	H	313.0	19.93
0.304225	37.73	97.94	60.21	H	2.0	19.90
0.468400	35.02	94.19	59.17	H	61.0	19.89
1.697225	31.98	63.04	31.06	H	2.0	20.02



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.026249	61.40	119.21	57.81	V	218.0	19.87
0.054731	55.80	112.83	57.03	V	136.0	19.92
0.101308	49.55	107.48	57.94	V	0.0	19.93
0.229600	49.09	100.38	51.29	V	159.0	19.88
1.652450	33.72	63.27	29.56	V	1.0	20.01
2.498200	33.46	69.50	36.04	V	228.0	20.14

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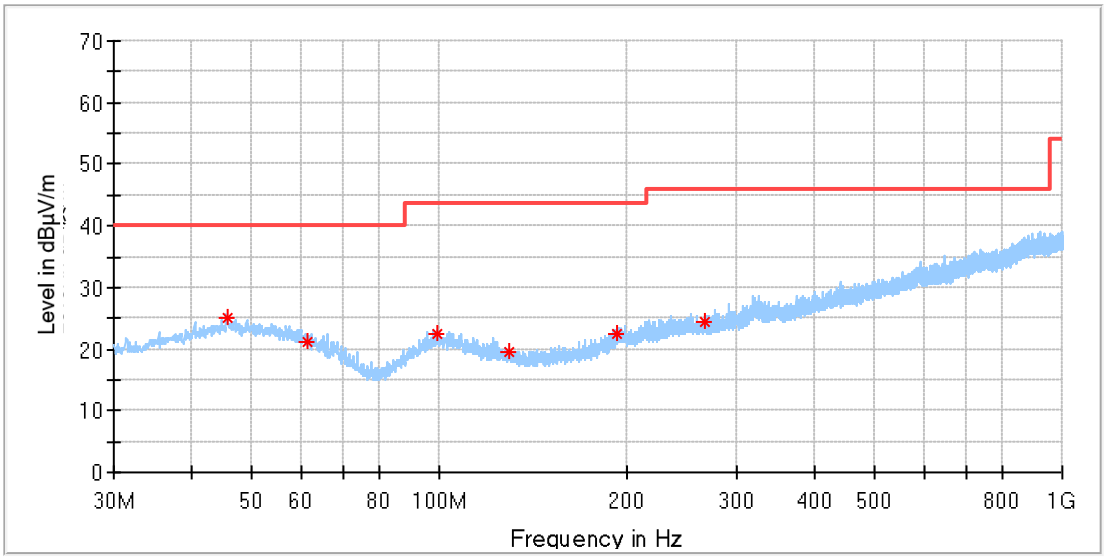
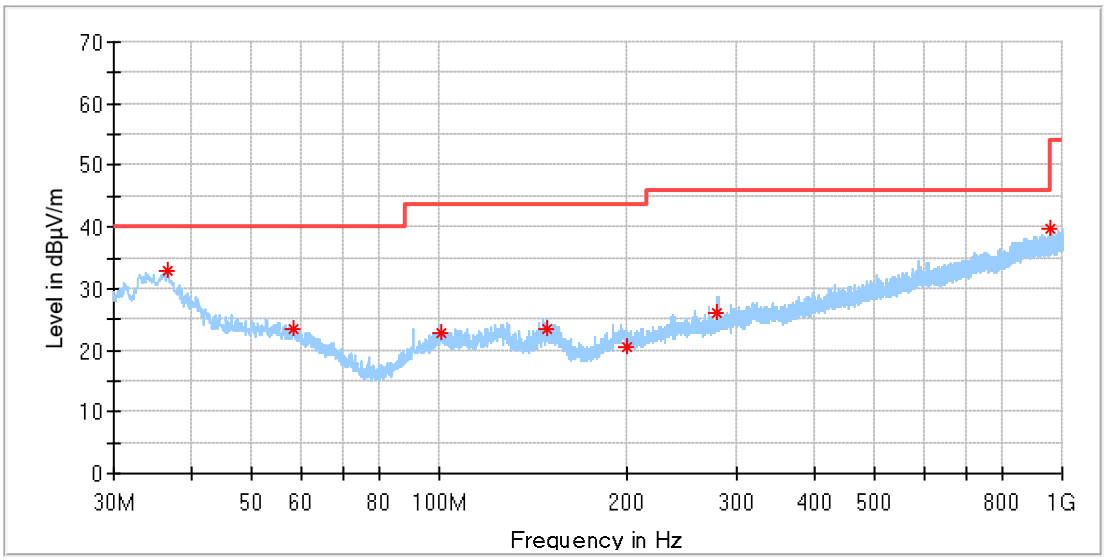
802.11ax20_5180_242Tone_RU61_ANT2 (30MHz-1GHz)



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.580625	25.18	40.00	14.82	100.0	H	0.0	20.96
61.403750	21.27	40.00	18.73	200.0	H	0.0	19.14
99.415625	22.47	43.50	21.03	100.0	H	0.0	18.52
129.667500	19.47	43.50	24.03	100.0	H	172.0	16.00
192.414375	22.60	43.50	20.90	100.0	H	11.0	18.50
265.831250	24.57	46.00	21.43	100.0	H	240.0	20.30



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
36.668750	33.00	40.00	7.00	100.0	V	104.0	18.64
58.493750	23.49	40.00	16.51	100.0	V	0.0	20.01
100.567500	22.68	43.50	20.82	200.0	V	0.0	18.71
148.825000	23.57	43.50	19.93	100.0	V	150.0	15.24
199.750000	20.67	43.50	22.83	100.0	V	167.0	18.46
278.077500	26.16	46.00	19.84	100.0	V	0.0	20.60
954.895000	39.79	46.00	6.21	200.0	V	64.0	32.50

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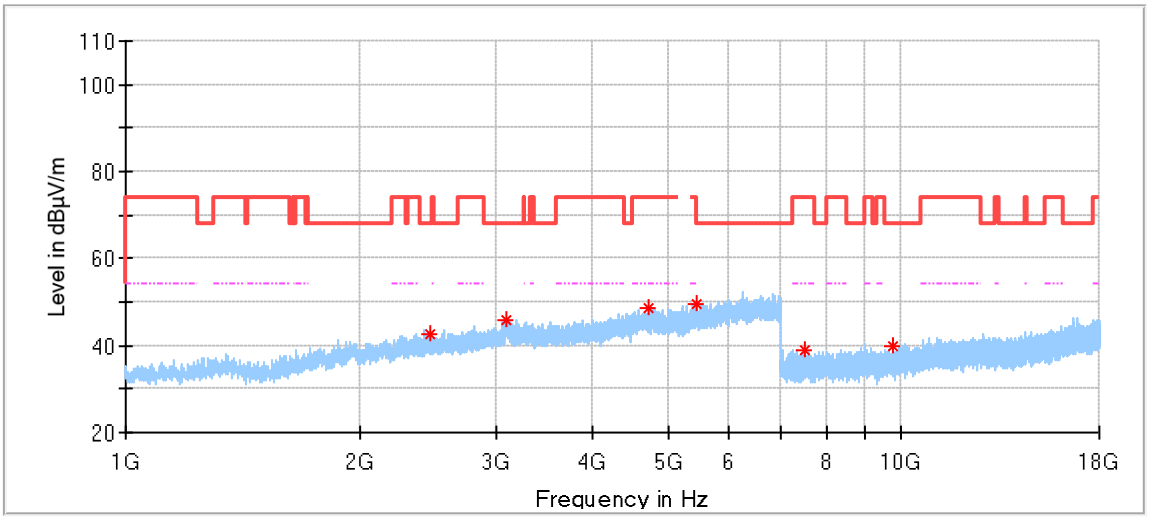
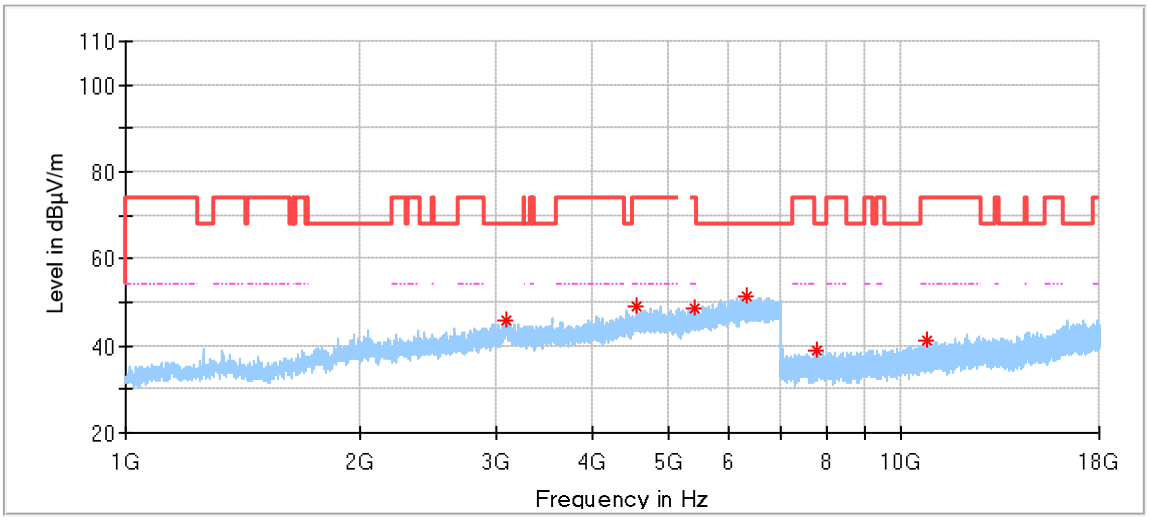
802.11ax20_5180_242Tone_RU61_ANT2 (1-18GHz)



Critical_Freqs

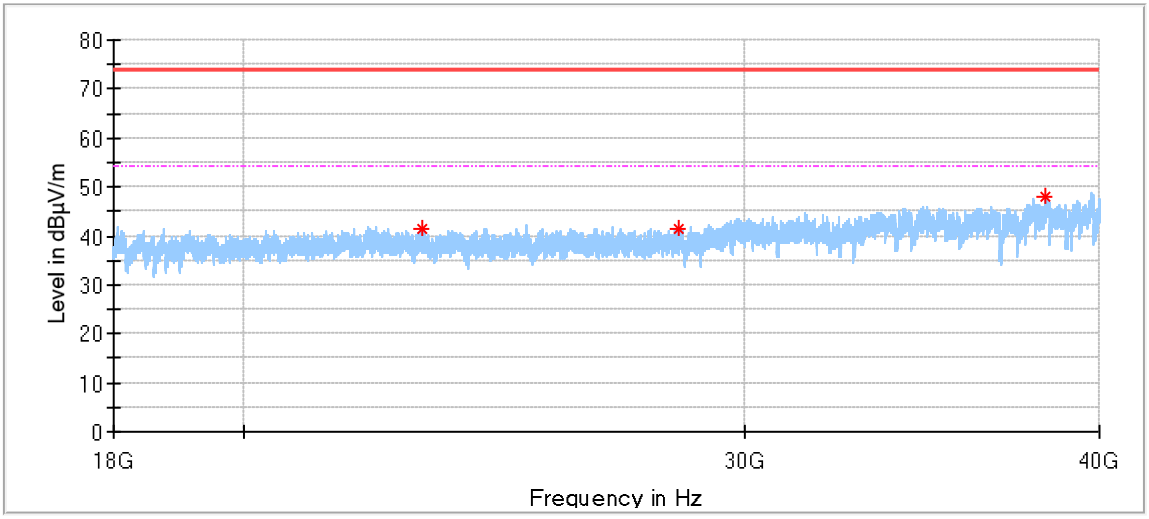
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2469.500000	42.76	68.20	25.44	150.0	H	243.0	-2.31
3096.000000	45.97	68.20	22.23	150.0	H	83.0	1.43
4710.500000	48.73	74.00	25.27	150.0	H	284.0	4.33
5433.500000	49.61	74.00	24.39	150.0	H	150.0	5.74
7507.000000	38.92	74.00	35.08	150.0	H	30.0	5.74
9743.000000	39.91	68.20	28.29	150.0	H	156.0	8.17



Critical_Freqs

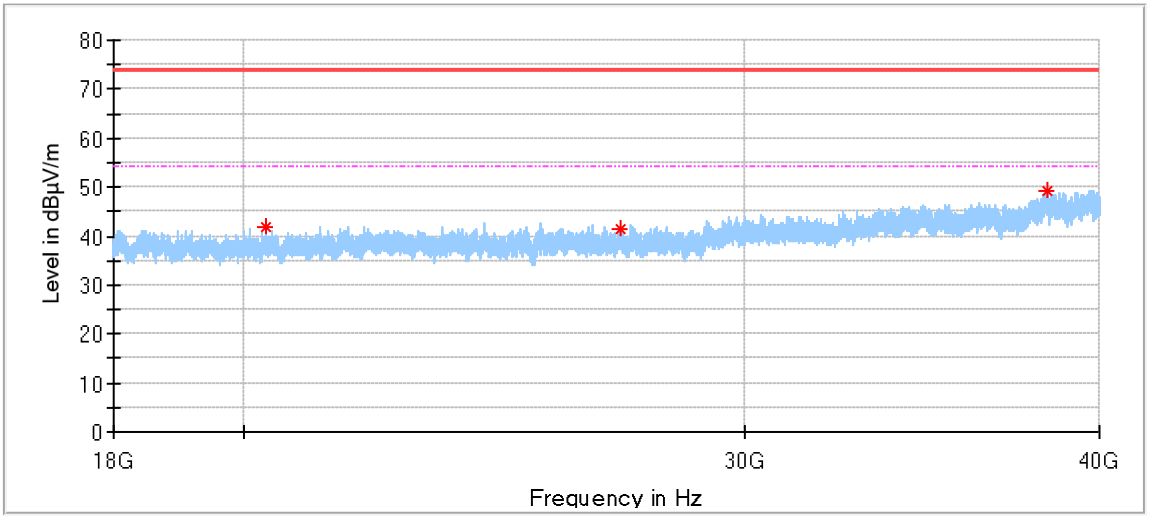
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3092.000000	45.87	68.20	22.33	150.0	V	14.0	1.27
4562.000000	48.86	74.00	25.14	150.0	V	154.0	3.82
5410.000000	48.69	74.00	25.31	150.0	V	228.0	5.60
6334.500000	51.39	68.20	16.81	150.0	V	147.0	7.80
7767.500000	39.13	68.20	29.07	150.0	V	195.0	5.88
10802.000000	41.28	74.00	32.72	150.0	V	72.0	9.23

802.11ax20_5180_242Tone_RU61_ANT2 (18-40GHz)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
23124.625000	41.37	74.00	32.63	150.0	H	283.0	0.48
28467.187500	41.40	74.00	32.60	150.0	H	283.0	0.96
38309.437500	47.80	74.00	26.20	150.0	H	256.0	6.46



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
20378.062500	41.71	74.00	32.29	150.0	V	300.0	-1.62
27141.687500	41.54	74.00	32.46	150.0	V	153.0	1.63
38334.875000	49.29	74.00	24.71	150.0	V	313.0	6.50

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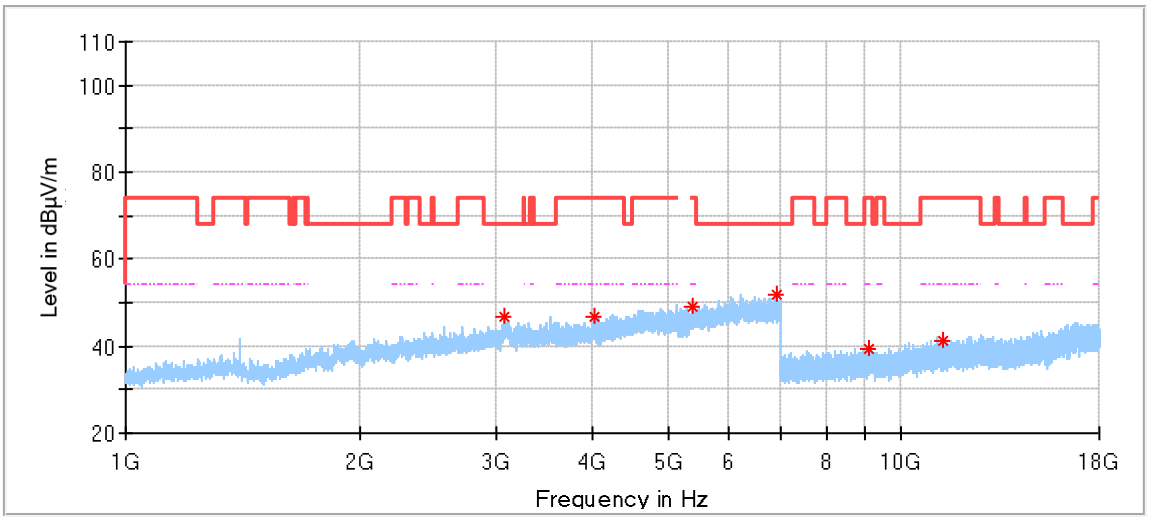
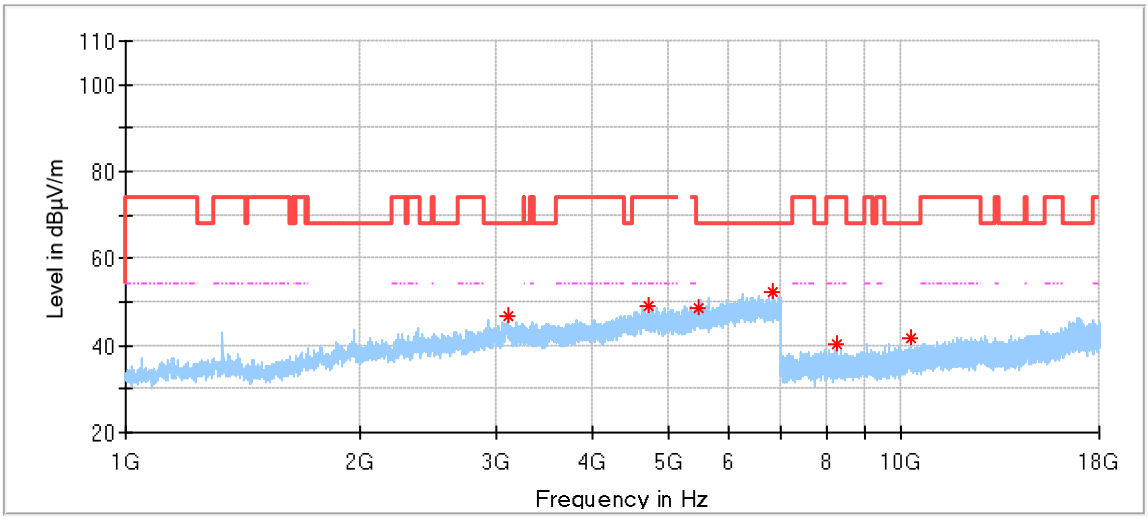
802.11ax20_5200_242Tone_RU61_ANT2 (1-18GHz)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3085.000000	46.69	68.20	21.51	150.0	H	96.0	1.00
4018.000000	46.89	74.00	27.11	150.0	H	130.0	1.58
5395.000000	49.03	74.00	24.97	150.0	H	243.0	5.48
6927.000000	52.01	68.20	16.19	150.0	H	183.0	8.25
9094.500000	39.29	74.00	34.71	150.0	H	235.0	7.86
11291.500000	41.20	74.00	32.80	150.0	H	156.0	10.17



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3105.000000	46.56	68.20	21.64	150.0	V	190.0	1.41
4730.500000	49.11	74.00	24.89	150.0	V	277.0	4.31
5472.500000	48.76	68.20	19.44	150.0	V	177.0	5.61
6813.500000	52.26	68.20	15.94	150.0	V	270.0	8.15
8252.000000	40.43	74.00	33.57	150.0	V	192.0	6.41
10290.500000	41.53	68.20	26.67	150.0	V	133.0	8.80

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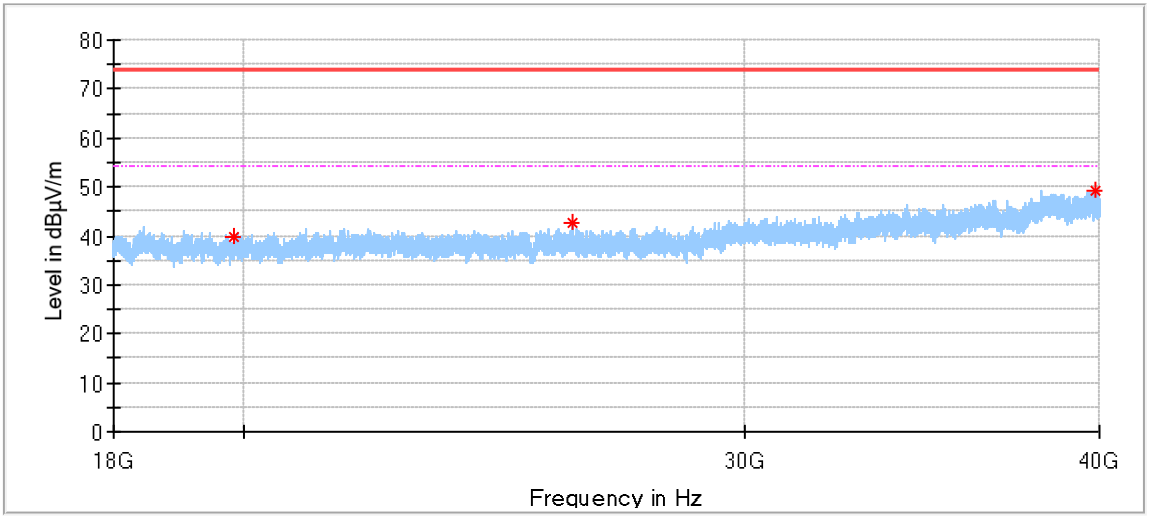
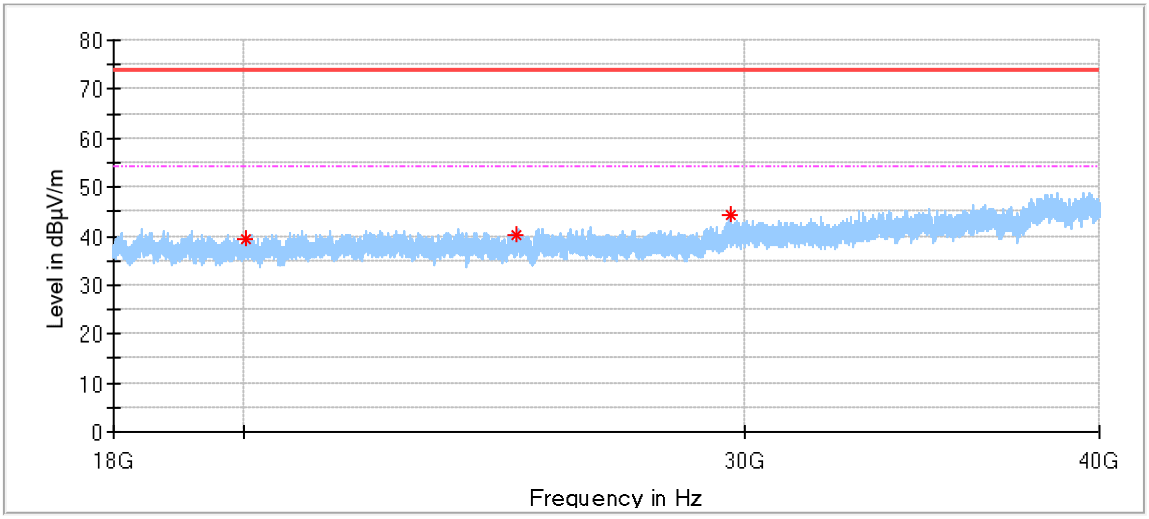
802.11ax20_5200_242Tone_RU61_ANT2 (18-40GHz)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19852.812500	39.65	74.00	34.35	150.0	H	0.0	-2.31
26095.312500	42.67	74.00	31.33	150.0	H	329.0	1.55
39857.687500	49.12	74.00	24.88	150.0	H	73.0	8.08



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
20046.687500	39.31	74.00	34.69	150.0	V	71.0	-2.43
24949.250000	40.27	74.00	33.73	150.0	V	44.0	1.13
29687.500000	44.48	74.00	29.52	150.0	V	315.0	1.91

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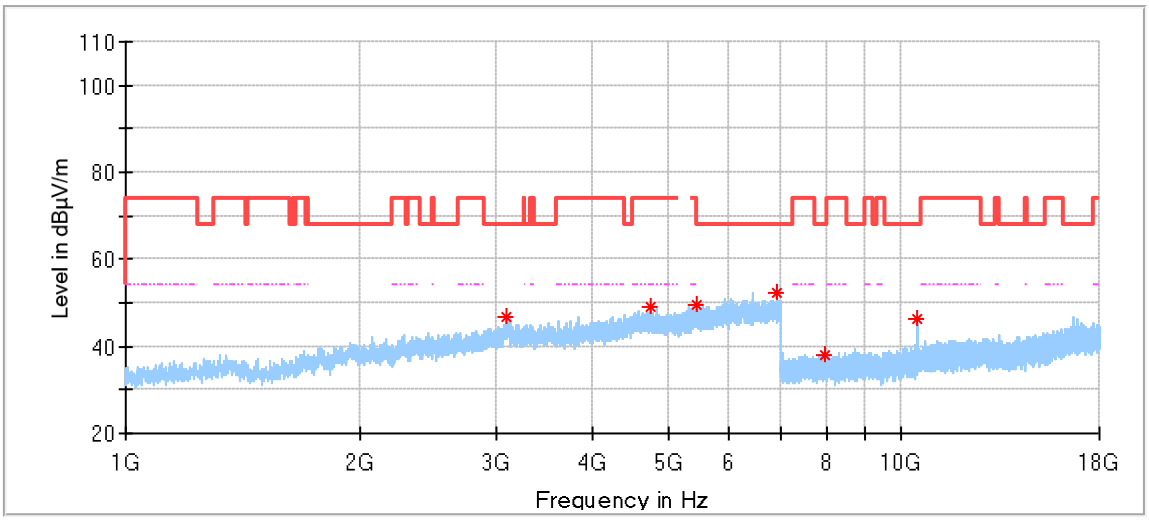
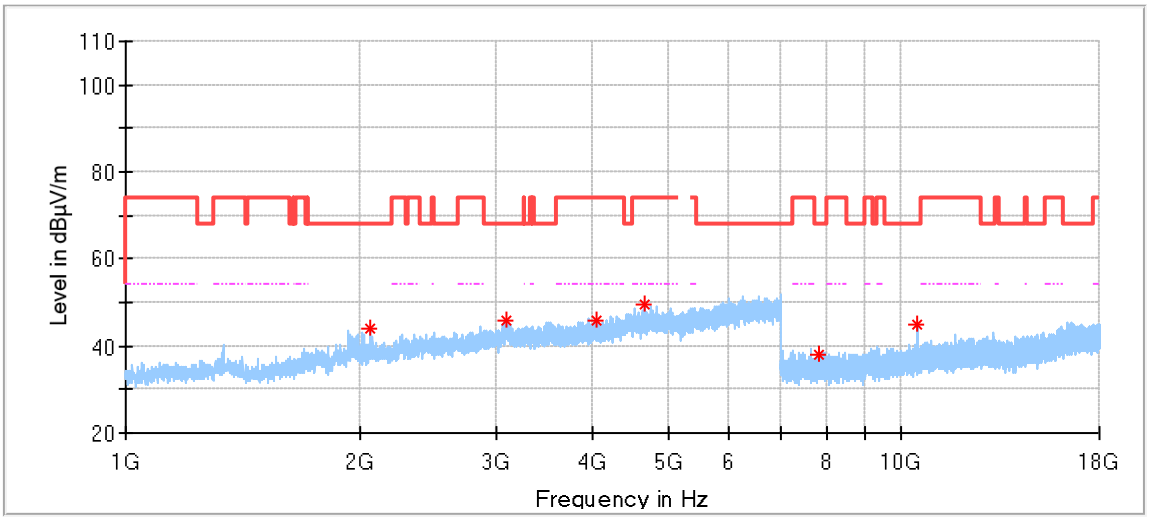
802.11ax20_5240_242Tone_RU61_ANT2 (1-18GHz)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3097.000000	46.86	68.20	21.34	150.0	H	240.0	1.47
4763.000000	49.17	74.00	24.83	150.0	H	0.0	4.29
5444.000000	49.51	74.00	24.49	150.0	H	180.0	5.70
6890.500000	52.41	68.20	15.79	150.0	H	32.0	8.32
7949.000000	38.19	68.20	30.01	150.0	H	196.0	6.16
10469.000000	46.52	68.20	21.68	150.0	H	156.0	9.02



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2069.500000	44.22	68.20	23.98	150.0	V	217.0	-4.43
3103.500000	45.98	68.20	22.22	150.0	V	14.0	1.46
4037.500000	45.83	74.00	28.17	150.0	V	190.0	1.58
4672.000000	49.39	74.00	24.61	150.0	V	0.0	4.32
7835.000000	38.18	68.20	30.02	150.0	V	91.0	5.99
10478.500000	45.04	68.20	23.16	150.0	V	4.0	9.01

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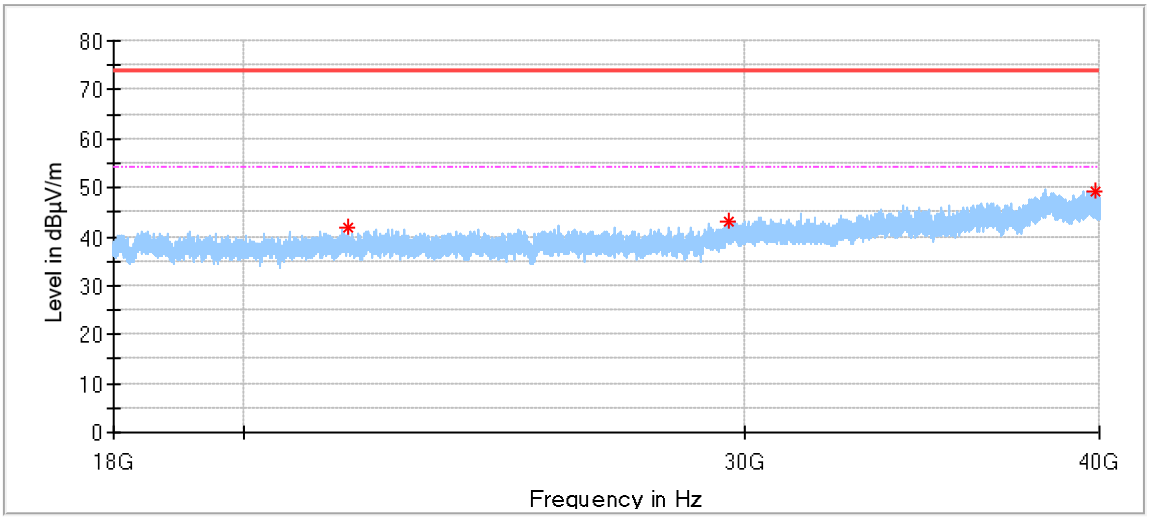
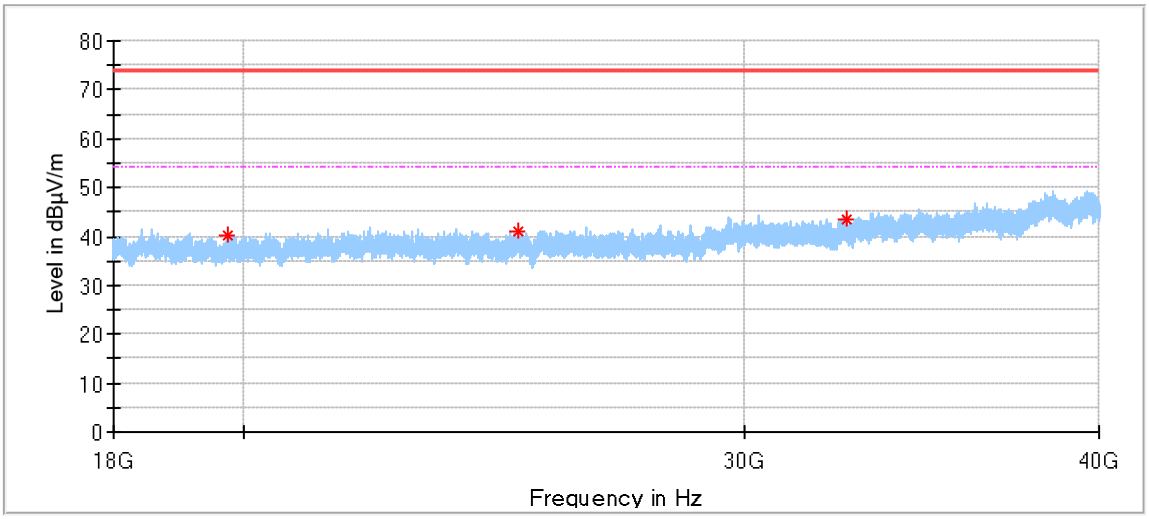
802.11ax20_5240_242Tone_RU61_ANT2 (18-40GHz)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
21768.187500	41.69	74.00	32.31	150.0	H	345.0	-0.20
29633.187500	43.04	74.00	30.96	150.0	H	230.0	1.92
39881.750000	49.27	74.00	24.73	150.0	H	109.0	8.14



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19755.875000	40.29	74.00	33.71	150.0	V	220.0	-2.50
24994.625000	40.90	74.00	33.10	150.0	V	140.0	1.27
32591.500000	43.48	74.00	30.52	150.0	V	273.0	1.96

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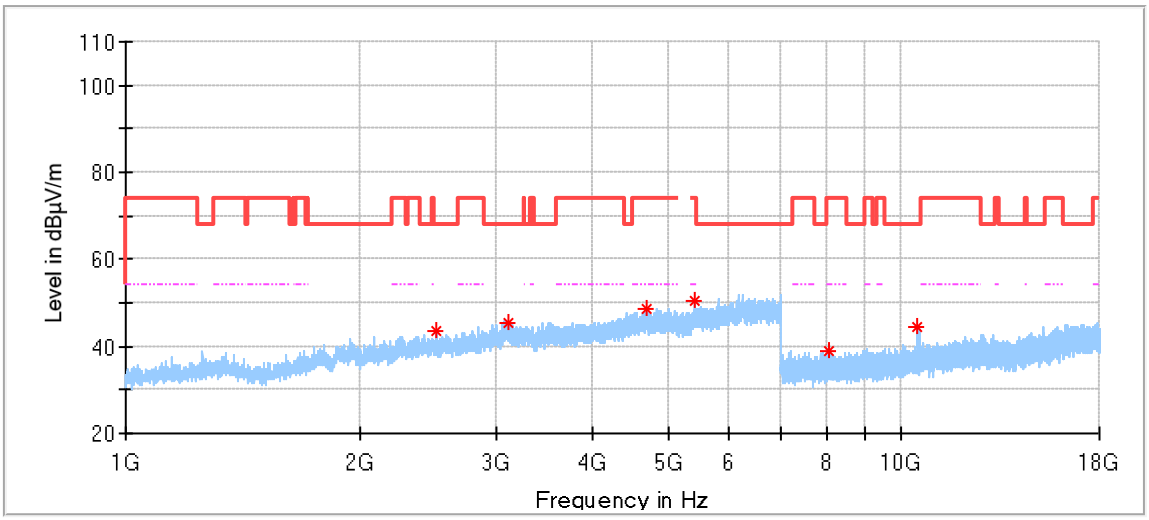
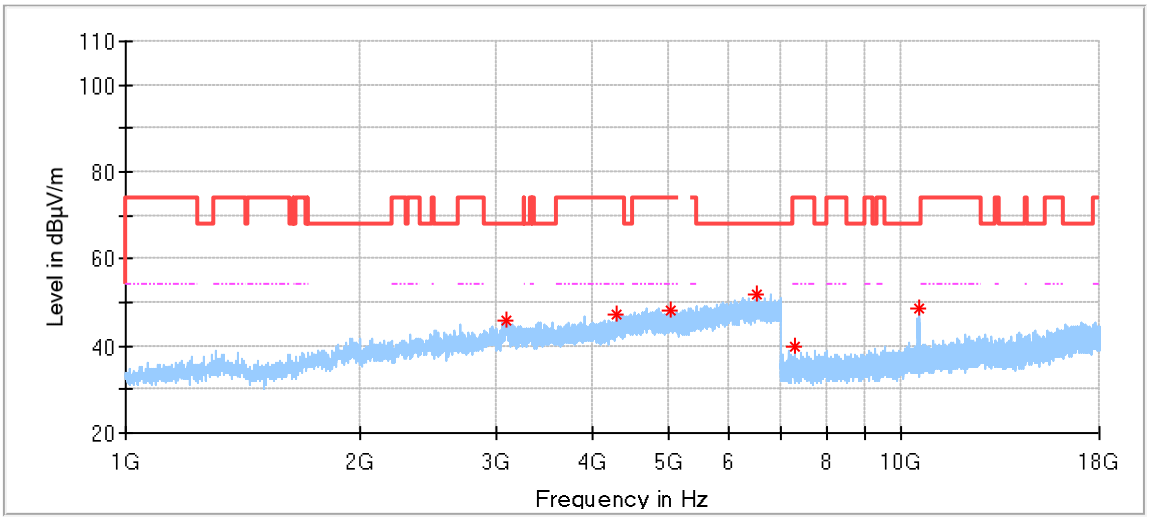
802.11ax20_5260_242Tone_RU61_ANT2 (1-18GHz)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2510.500000	43.55	68.20	24.65	150.0	H	27.0	-2.55
3105.500000	45.55	68.20	22.65	150.0	H	284.0	1.39
4682.000000	48.61	74.00	25.39	150.0	H	163.0	4.33
5417.000000	50.67	74.00	23.33	150.0	H	67.0	5.66
8041.500000	38.73	74.00	35.27	150.0	H	334.0	6.34
10508.000000	44.59	68.20	23.61	150.0	H	291.0	8.98



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3096.500000	45.72	68.20	22.48	150.0	V	141.0	1.45
4296.500000	47.17	74.00	26.83	150.0	V	141.0	2.34
5055.500000	48.35	74.00	25.65	150.0	V	217.0	4.31
6493.000000	51.88	68.20	16.32	150.0	V	170.0	8.31
7280.000000	39.87	74.00	34.13	150.0	V	232.0	5.44
10524.500000	48.51	68.20	19.69	150.0	V	4.0	8.97

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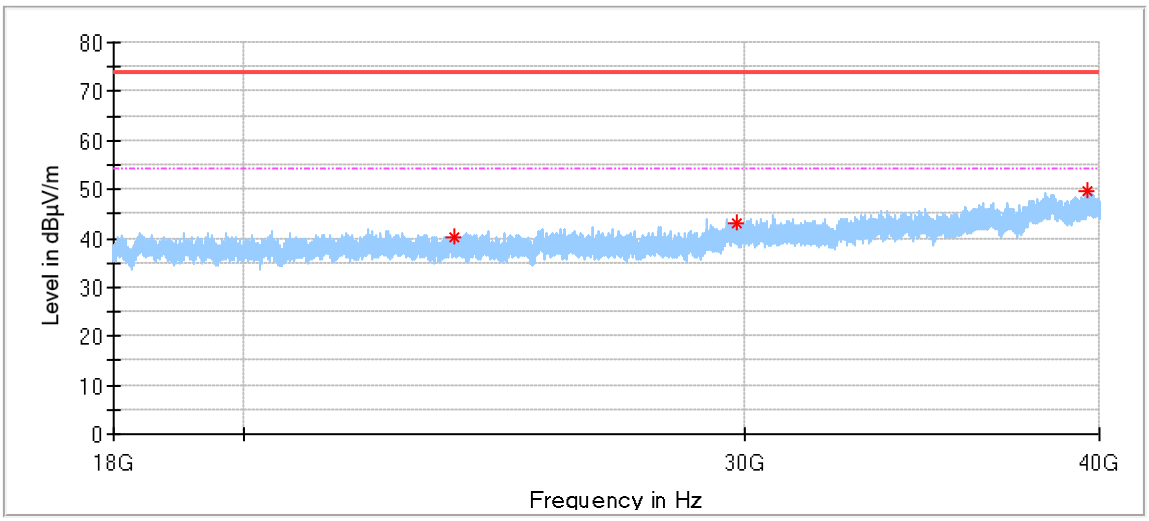
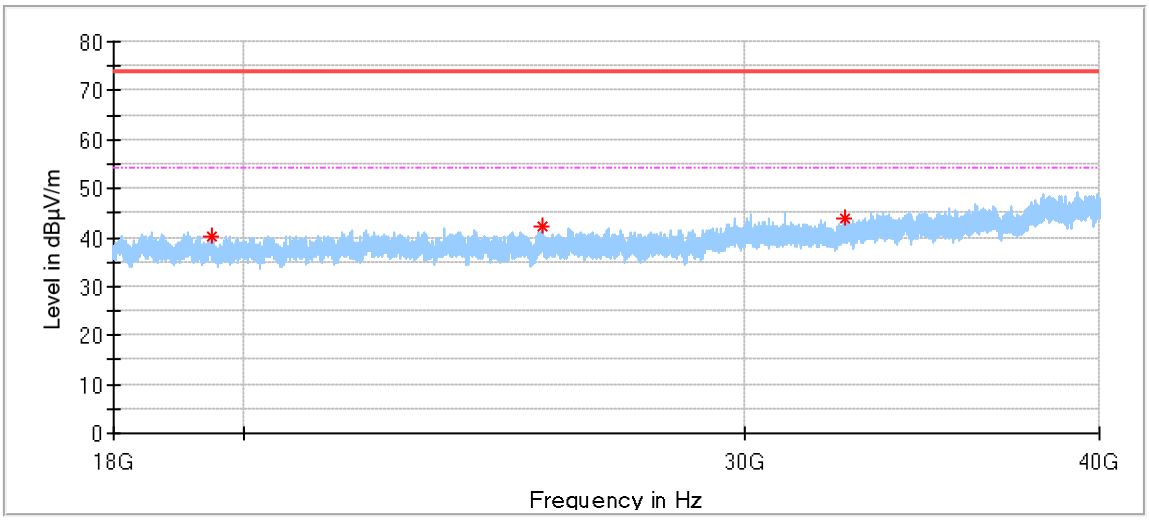
802.11ax20_5260_242Tone_RU61_ANT2 (18-40GHz)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
23703.500000	40.01	74.00	33.99	150.0	H	60.0	0.51
29795.437500	43.04	74.00	30.96	150.0	H	315.0	2.00
39625.312500	49.61	74.00	24.39	150.0	H	248.0	7.44



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19502.187500	40.39	74.00	33.61	150.0	V	86.0	-2.30
25474.500000	42.28	74.00	31.72	150.0	V	19.0	1.46
32570.875000	43.77	74.00	30.23	150.0	V	45.0	1.95

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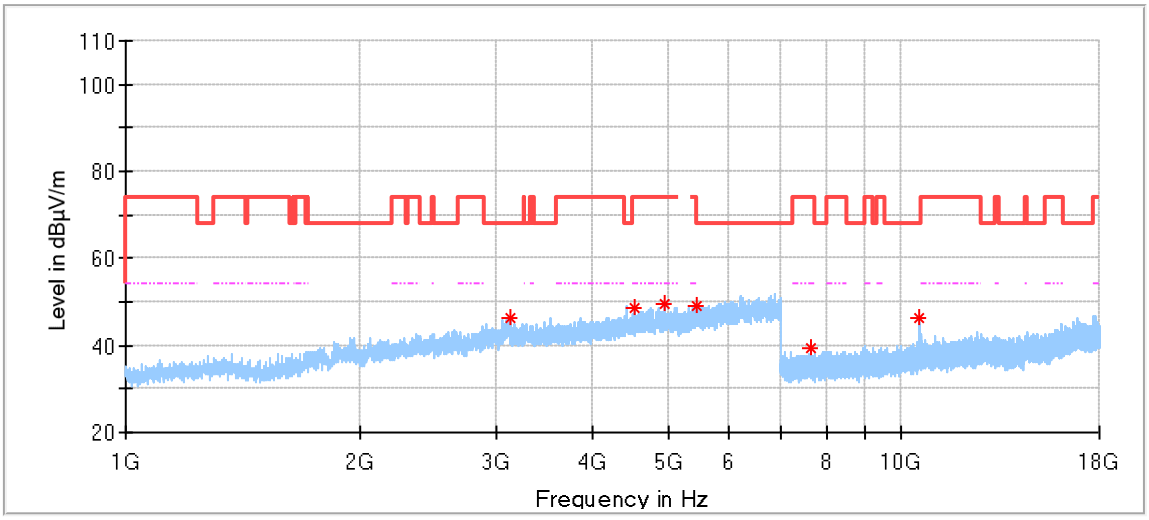
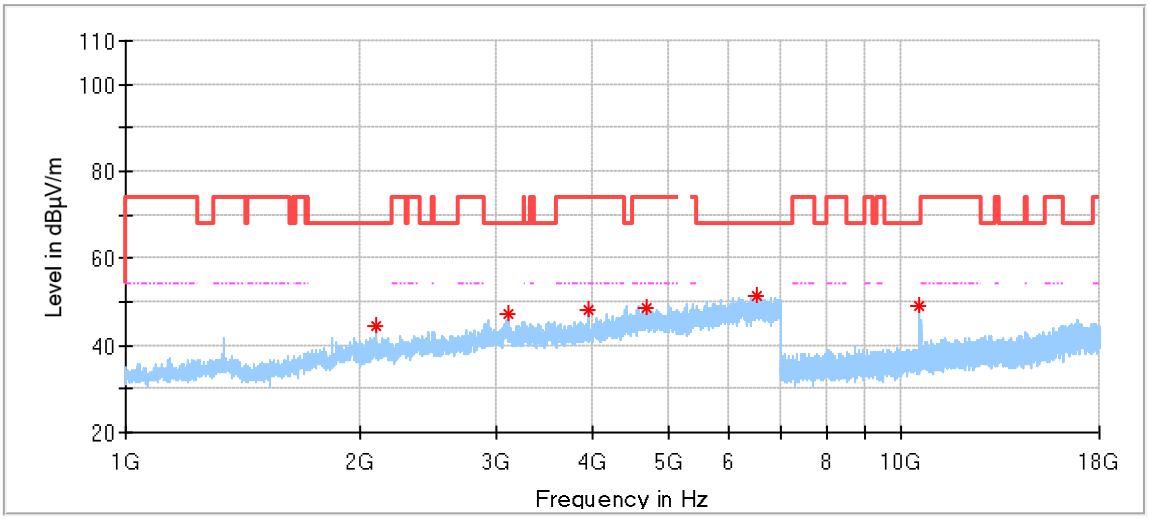
802.11ax20_5280_242Tone_RU61_ANT2 (1-18GHz)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3124.000000	46.12	68.20	22.08	150.0	H	10.0	0.66
4517.000000	48.66	74.00	25.34	150.0	H	49.0	3.53
4948.000000	49.71	74.00	24.29	150.0	H	270.0	4.21
5438.500000	48.89	74.00	25.11	150.0	H	156.0	5.72
7640.500000	39.47	74.00	34.53	150.0	H	213.0	5.89
10555.000000	46.45	68.20	21.75	150.0	H	49.0	8.97



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2105.500000	44.44	68.20	23.76	150.0	V	284.0	-4.14
3108.000000	47.02	68.20	21.18	150.0	V	304.0	1.30
3958.000000	48.37	74.00	25.63	150.0	V	121.0	1.22
4683.500000	48.77	74.00	25.23	150.0	V	270.0	4.33
6499.000000	51.32	68.20	16.88	150.0	V	27.0	8.31
10569.000000	49.08	68.20	19.12	150.0	V	355.0	8.96

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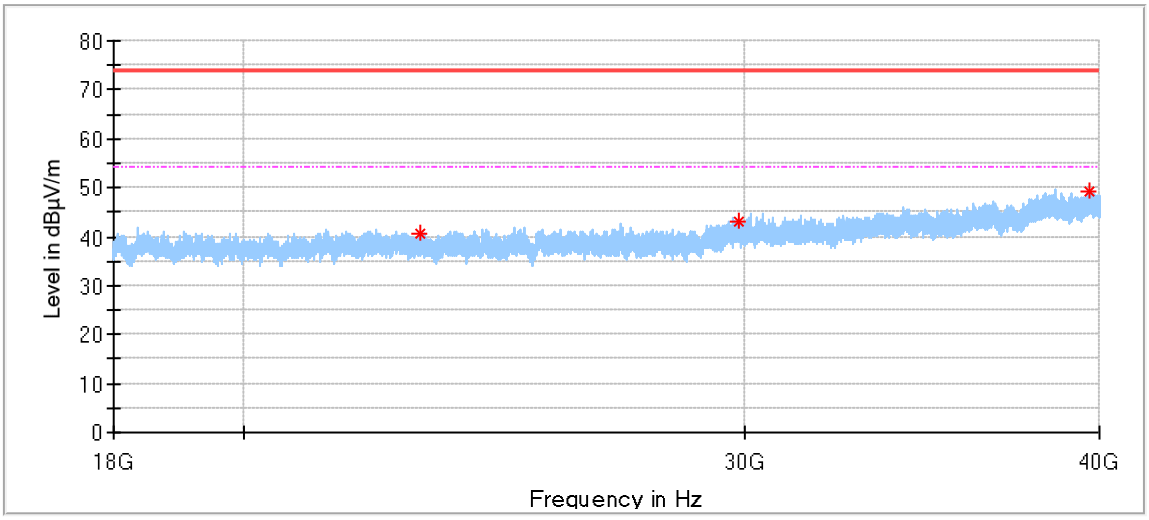
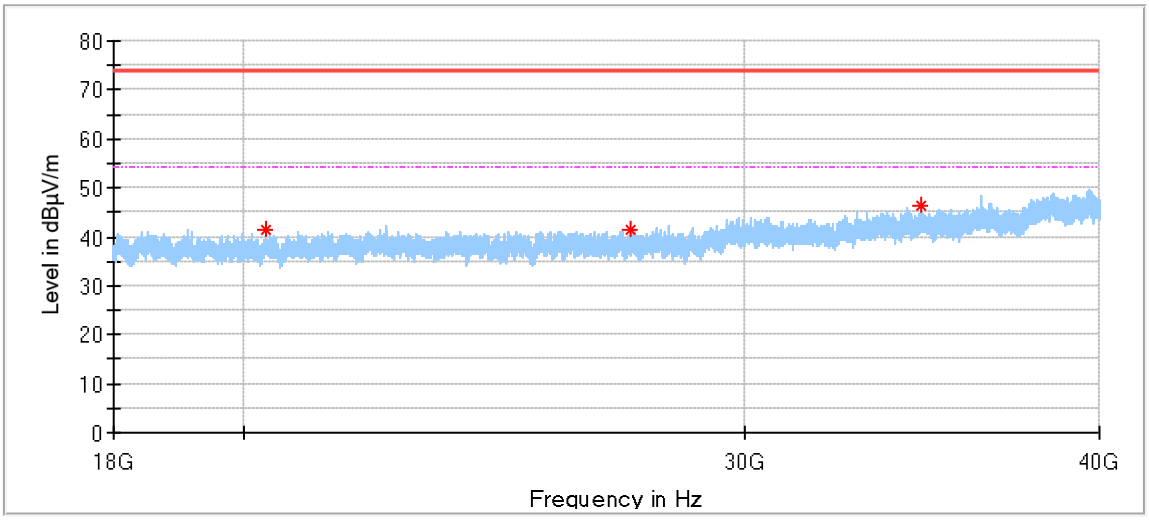
802.11ax20_5280_242Tone_RU61_ANT2 (18-40GHz)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
23066.187500	40.43	74.00	33.57	150.0	H	111.0	0.54
29844.937500	43.25	74.00	30.75	150.0	H	31.0	2.00
39665.875000	49.36	74.00	24.64	150.0	H	194.0	7.51



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
20376.000000	41.39	74.00	32.61	150.0	V	113.0	-1.62
27377.500000	41.56	74.00	32.44	150.0	V	353.0	1.76
34599.687500	46.34	74.00	27.66	150.0	V	153.0	3.74

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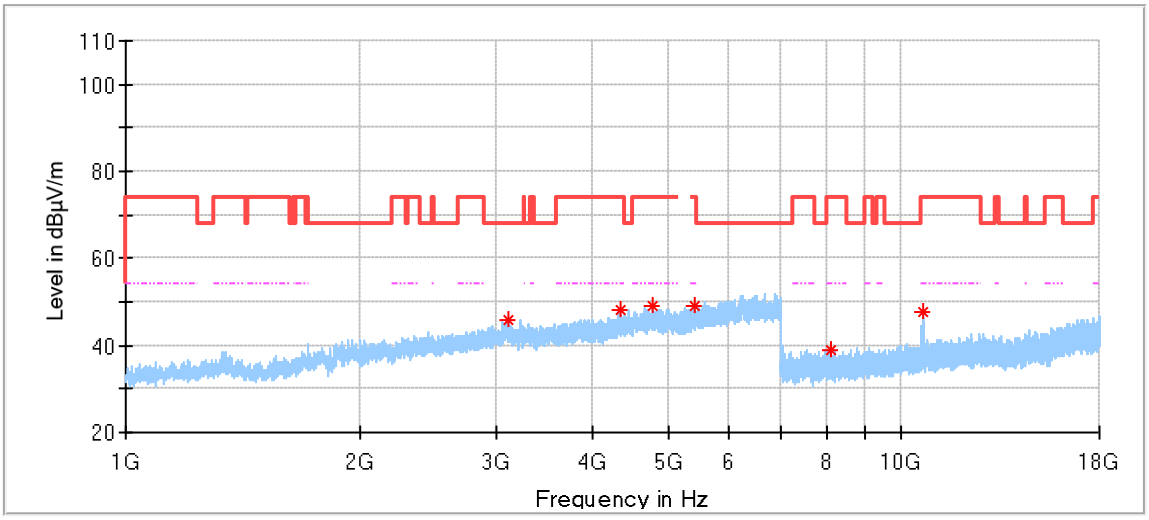
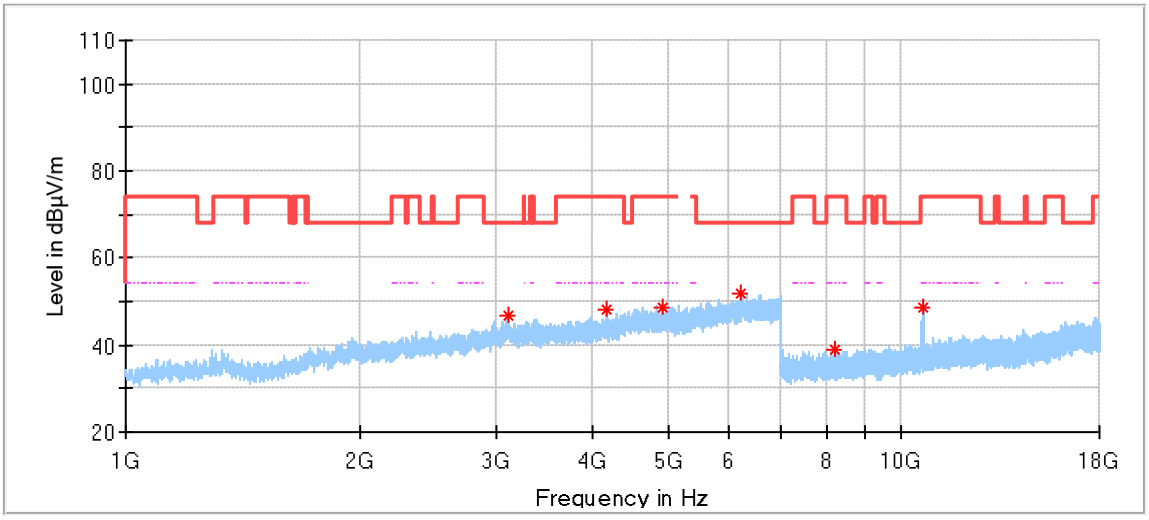
802.11ax20_5320_242Tone_RU61_ANT2 (1-18GHz)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3106.500000	45.71	68.20	22.49	150.0	H	268.0	1.36
4350.000000	47.95	74.00	26.05	150.0	H	47.0	2.68
4780.000000	49.08	74.00	24.92	150.0	H	67.0	4.25
5398.500000	48.88	74.00	25.12	150.0	H	20.0	5.51
8102.500000	38.88	74.00	35.12	150.0	H	275.0	6.32
10642.500000	47.53	74.00	26.47	150.0	H	275.0	9.11



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3119.500000	46.58	68.20	21.62	150.0	V	24.0	0.84
4159.000000	48.35	74.00	25.65	150.0	V	318.0	1.76
4936.000000	48.56	74.00	25.44	150.0	V	198.0	4.22
6215.500000	51.78	68.20	16.42	150.0	V	271.0	7.95
8186.000000	39.03	74.00	34.97	150.0	V	4.0	6.39
10650.000000	48.49	74.00	25.51	150.0	V	4.0	9.13

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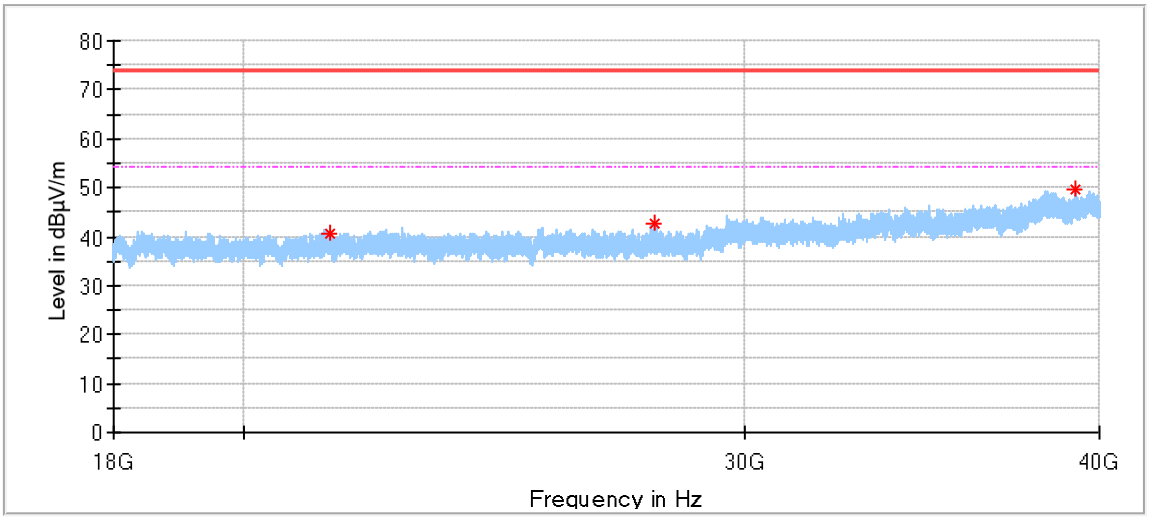
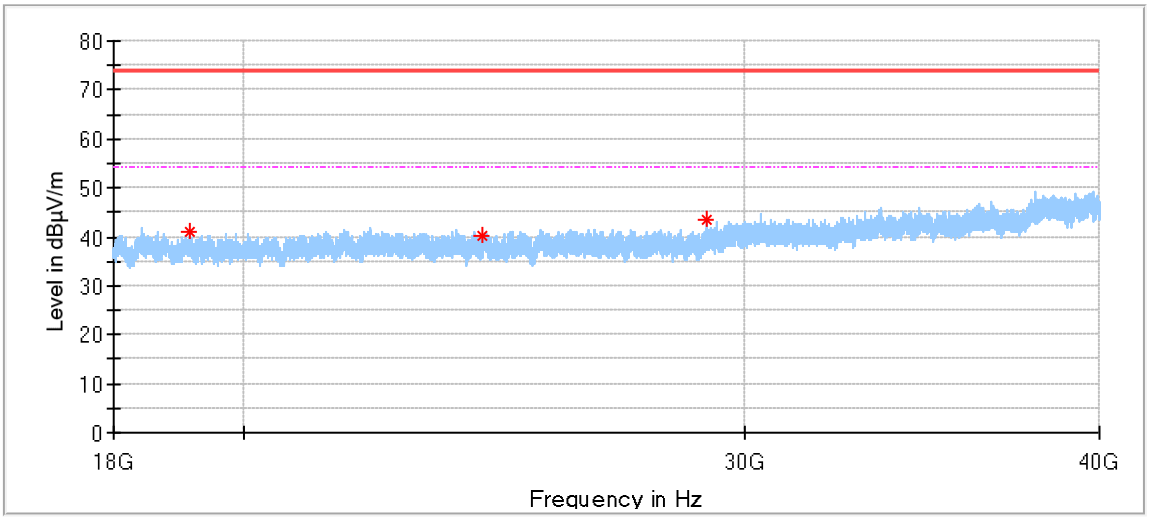
802.11ax20_5320_242Tone_RU61_ANT2 (1-18GHz)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
21434.750000	40.75	74.00	33.25	150.0	H	89.0	-0.48
27917.187500	42.59	74.00	31.41	150.0	H	142.0	1.25
39252.687500	49.74	74.00	24.26	150.0	H	62.0	5.92



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19155.000000	40.92	74.00	33.08	150.0	V	0.0	-2.72
24276.875000	40.33	74.00	33.67	150.0	V	140.0	0.49
29123.062500	43.63	74.00	30.37	150.0	V	17.0	1.31

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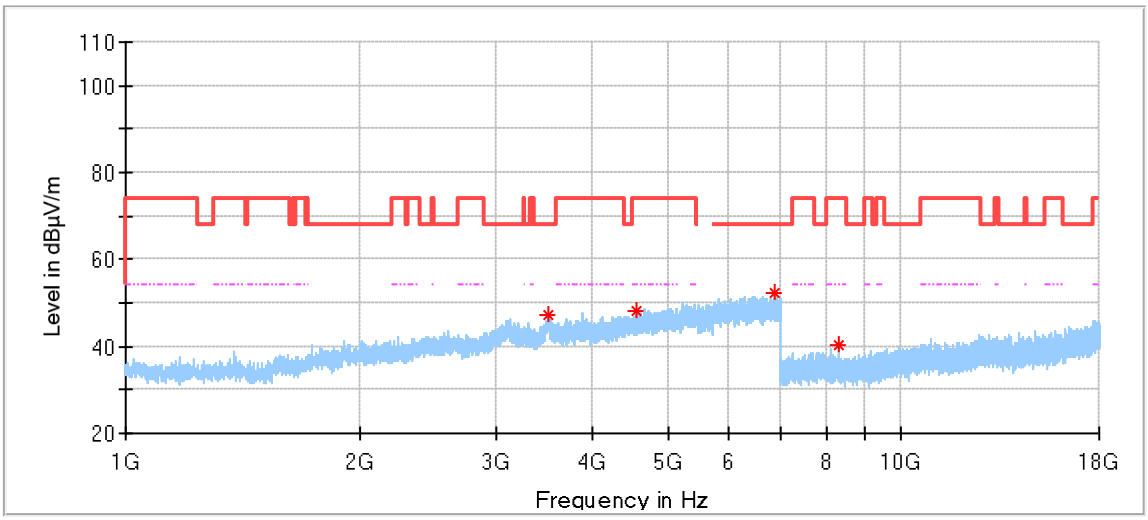
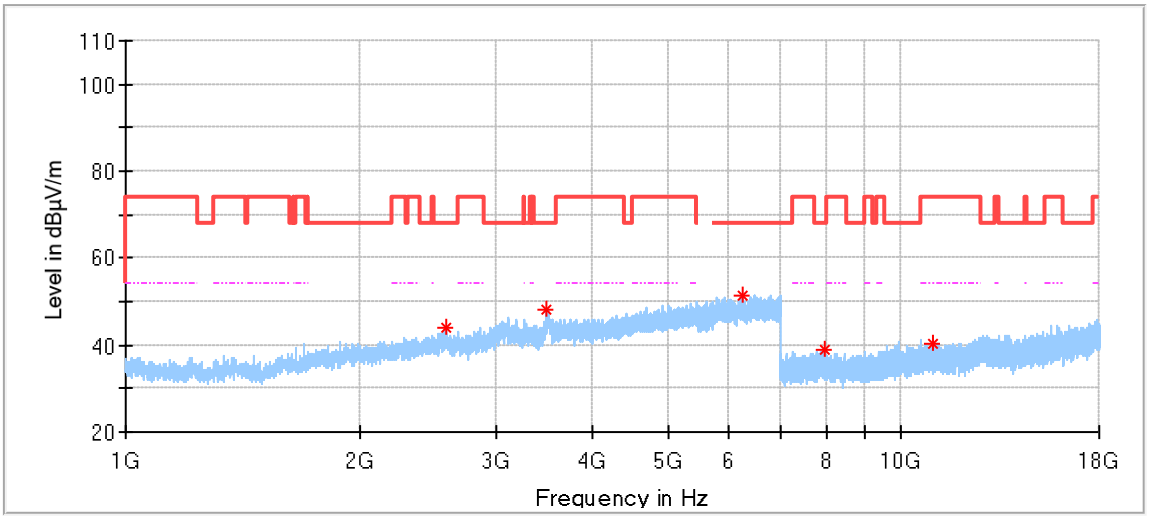
802.11ax20_5500_242Tone_RU61_ANT2 (1-18GHz)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3512.000000	47.37	68.20	20.83	150.0	H	196.0	3.88
4555.000000	47.97	74.00	26.03	150.0	H	188.0	4.31
6884.500000	52.47	68.20	15.73	150.0	H	297.0	8.92
8307.000000	40.15	74.00	33.85	150.0	H	145.0	7.38



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2596.000000	44.14	68.20	24.06	150.0	V	86.0	-1.06
3491.000000	48.22	68.20	19.98	150.0	V	355.0	3.80
6238.500000	51.23	68.20	16.97	150.0	V	110.0	9.11
7968.500000	38.93	68.20	29.27	150.0	V	96.0	7.37
10965.500000	40.29	74.00	33.71	150.0	V	50.0	10.82

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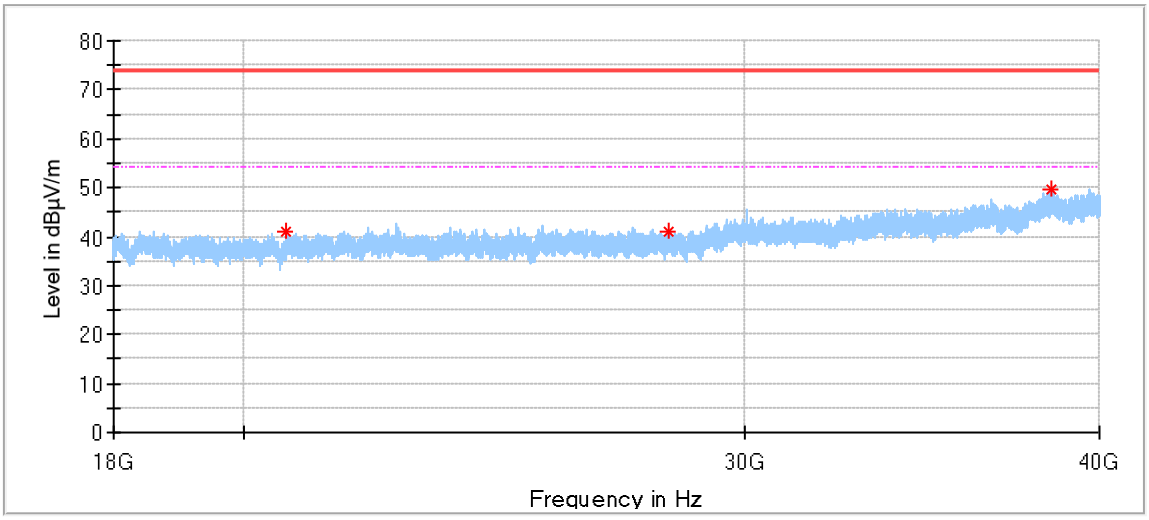
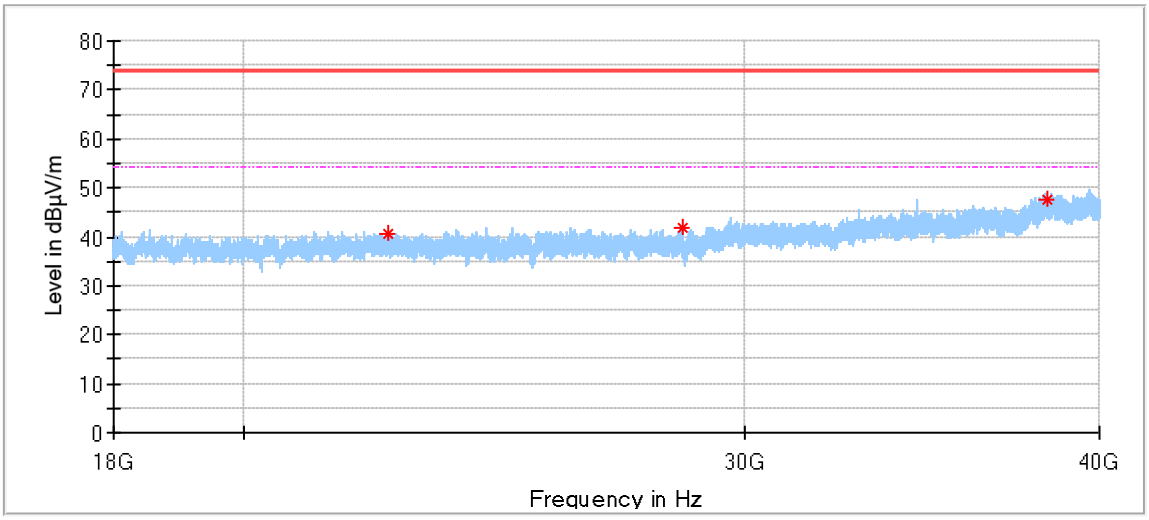
802.11ax20_5500_242Tone_RU61_ANT2 (18-40GHz)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
20697.750000	41.14	74.00	32.86	150.0	H	330.0	-1.36
28201.125000	40.95	74.00	33.05	150.0	H	68.0	1.14
38484.750000	49.70	74.00	24.30	150.0	H	148.0	6.57



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
22466.687500	40.43	74.00	33.57	150.0	V	100.0	0.42
28530.437500	41.74	74.00	32.26	150.0	V	45.0	0.99
38332.125000	47.55	74.00	26.45	150.0	V	100.0	6.50

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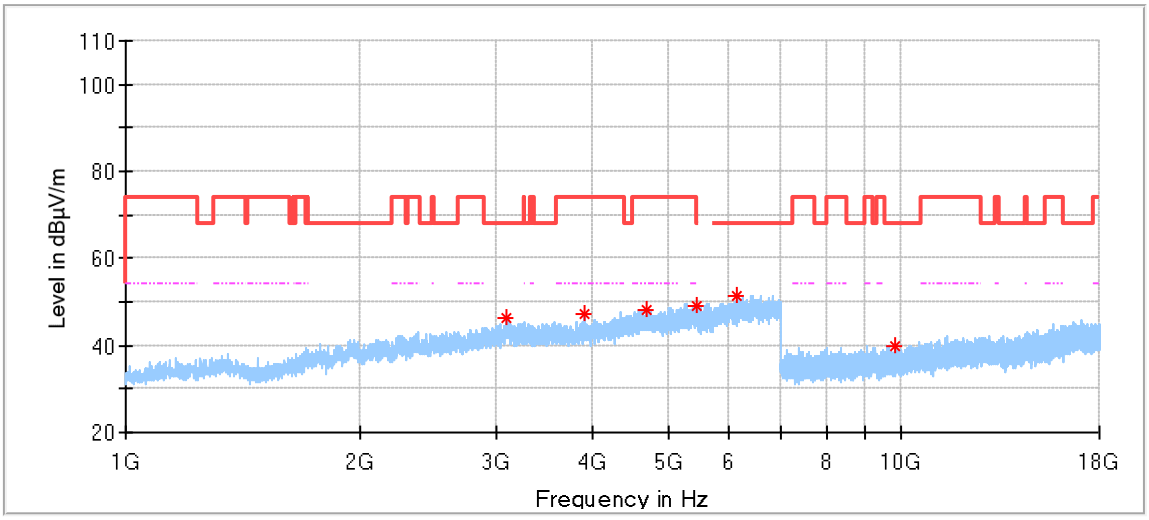
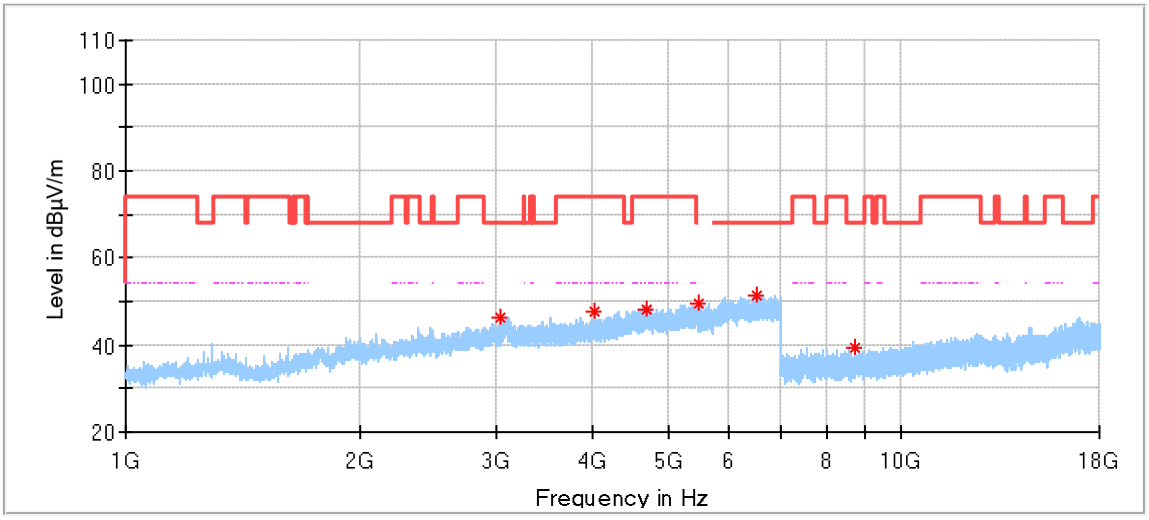
802.11ax20_5580_242Tone_RU61_ANT2 (1-18GHz)



Critical_Freqs

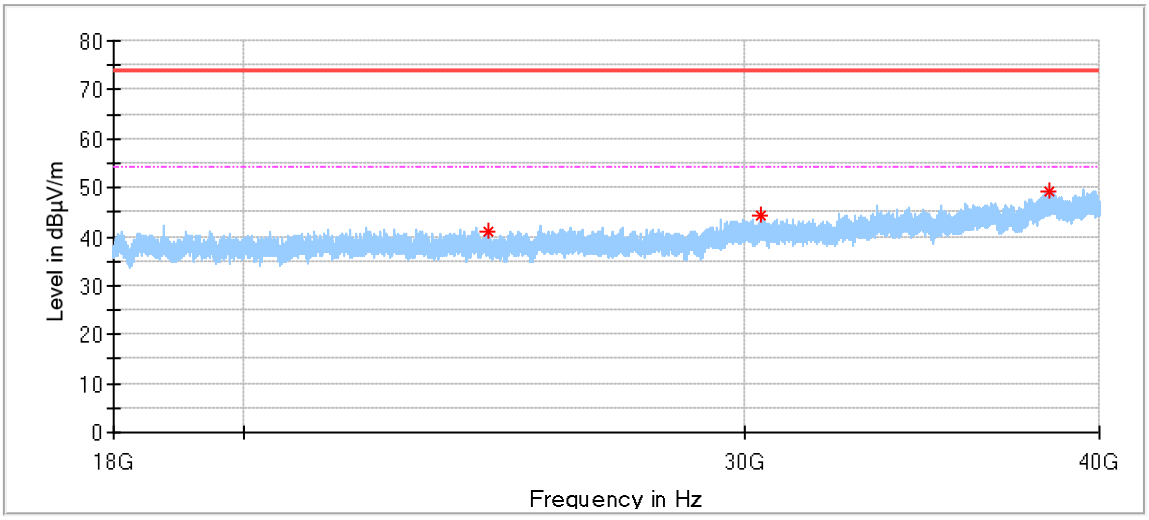
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3104.500000	46.38	68.20	21.82	150.0	H	226.0	1.43
3905.500000	47.27	74.00	26.73	150.0	H	4.0	1.30
4692.500000	48.22	74.00	25.78	150.0	H	0.0	4.34
5459.000000	48.93	74.00	25.07	150.0	H	177.0	5.66
6152.000000	51.61	68.20	16.59	150.0	H	130.0	7.35
9799.000000	40.00	68.20	28.20	150.0	H	311.0	8.16



Critical_Freqs

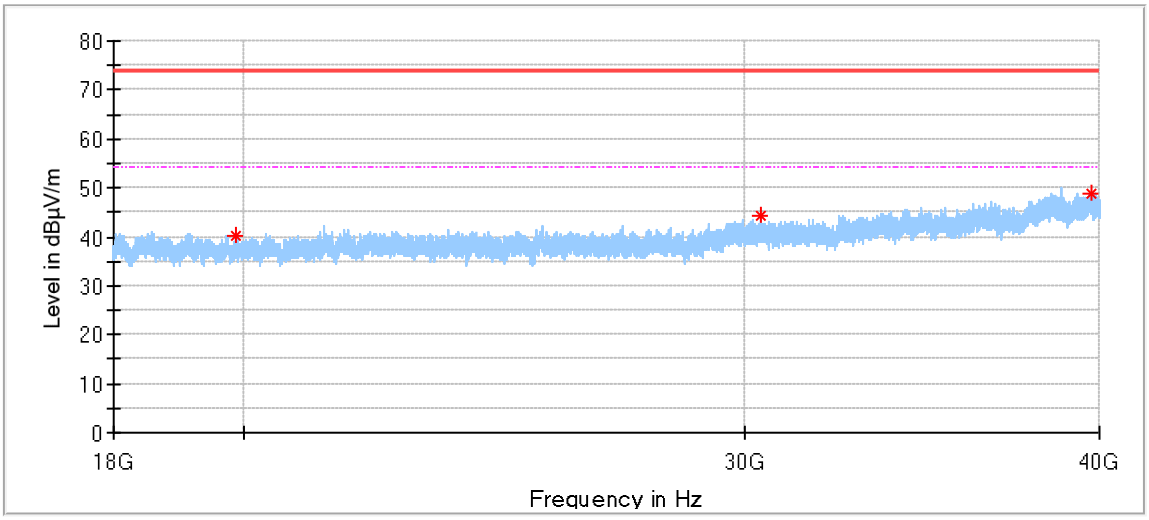
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3032.500000	46.40	68.20	21.80	150.0	V	15.0	-0.36
4019.500000	47.67	74.00	26.33	150.0	V	0.0	1.59
4691.500000	48.22	74.00	25.78	150.0	V	182.0	4.34
5463.500000	49.39	68.20	18.81	150.0	V	0.0	5.64
6500.000000	51.43	68.20	16.77	150.0	V	209.0	8.31
8697.500000	39.31	68.20	28.89	150.0	V	127.0	7.22

802.11ax20_5580_242Tone_RU61_ANT2 (18-40GHz)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
24372.437500	41.20	74.00	32.80	150.0	H	340.0	0.57
30403.187500	44.27	74.00	29.73	150.0	H	193.0	2.06
38394.687500	49.33	74.00	24.67	150.0	H	4.0	6.57



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19883.750000	40.34	74.00	33.66	150.0	V	260.0	-2.25
30416.937500	44.25	74.00	29.75	150.0	V	151.0	2.05
39744.937500	48.98	74.00	25.02	150.0	V	97.0	7.73

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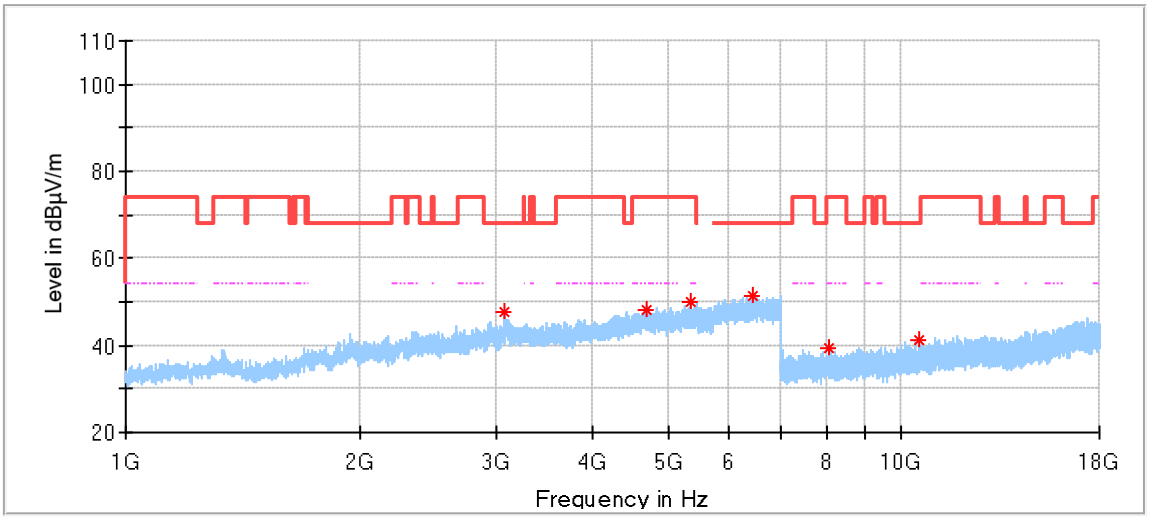
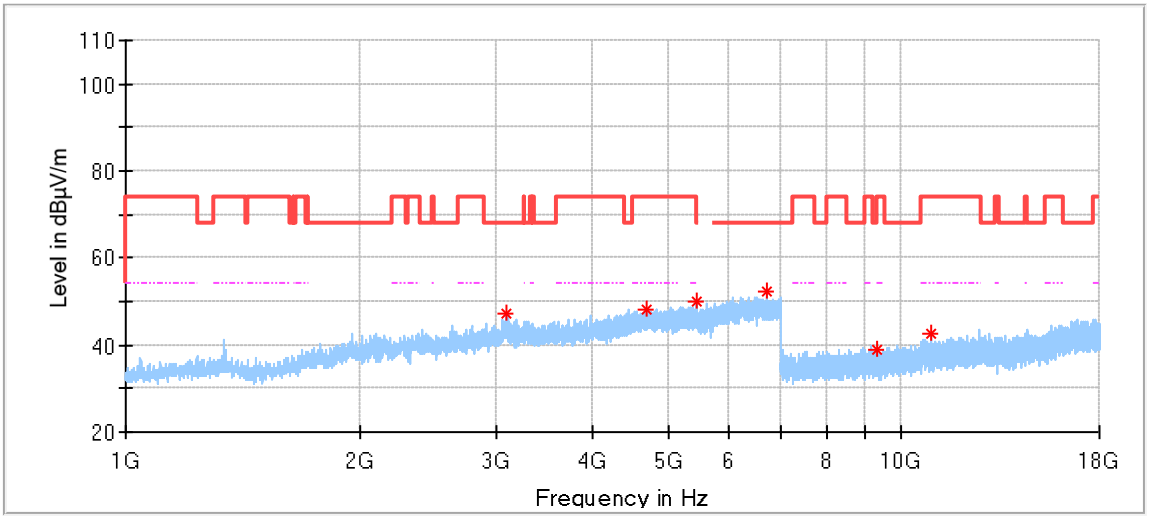
802.11ax20_5700_242Tone_RU61_ANT2 (1-18GHz)



Critical_Freqs

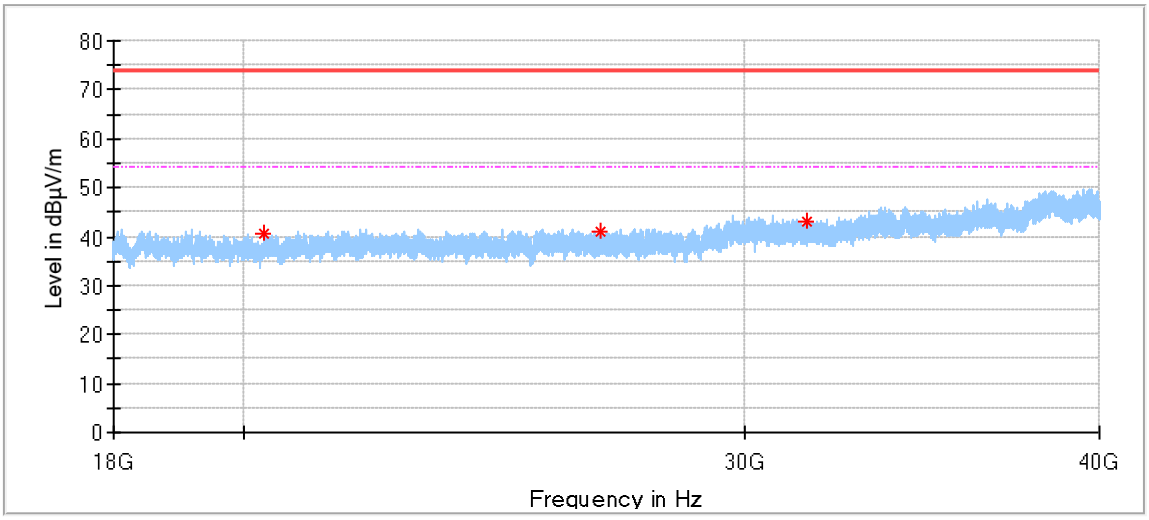
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3083.500000	47.50	68.20	20.70	150.0	H	185.0	0.94
4703.500000	48.26	74.00	25.74	150.0	H	4.0	4.35
5341.000000	50.17	74.00	23.83	150.0	H	4.0	5.28
6417.000000	51.47	68.20	16.73	150.0	H	144.0	7.81
8077.000000	39.23	74.00	34.77	150.0	H	25.0	6.30
10524.500000	41.11	68.20	27.09	150.0	H	356.0	8.97



Critical_Freqs

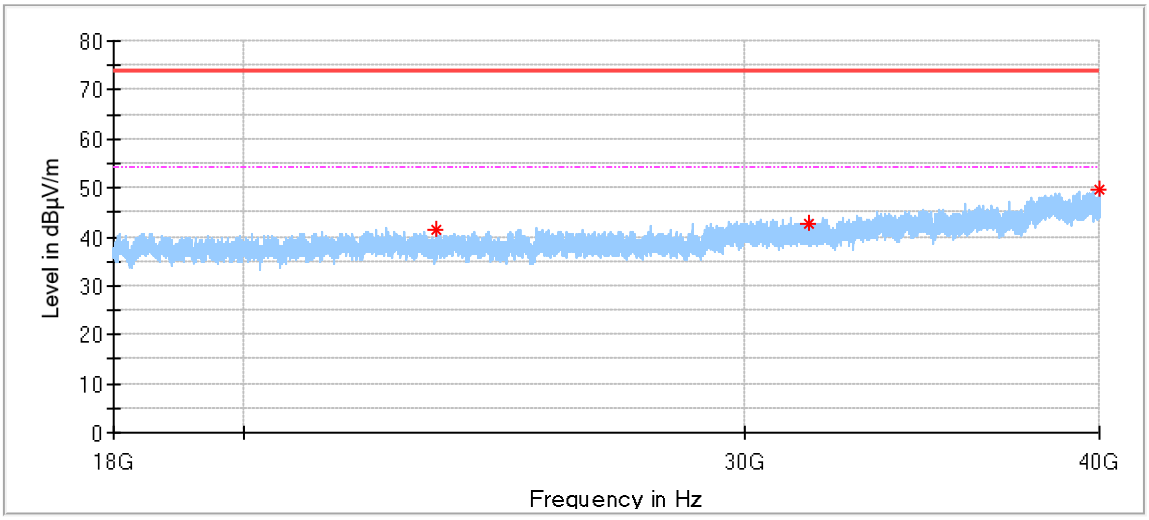
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3104.500000	47.33	68.20	20.87	150.0	V	250.0	1.43
4692.000000	48.38	74.00	25.62	150.0	V	63.0	4.34
5457.000000	49.97	74.00	24.03	150.0	V	150.0	5.66
6709.000000	52.50	68.20	15.70	150.0	V	230.0	8.12
9296.500000	39.01	68.20	29.19	150.0	V	290.0	7.92
10928.500000	42.48	74.00	31.52	150.0	V	311.0	9.49

802.11ax20_5700_242Tone_RU61_ANT2 (1-18GHz)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
20336.125000	40.68	74.00	33.32	150.0	H	356.0	-1.72
26712.000000	41.07	74.00	32.93	150.0	H	218.0	1.62
31583.625000	43.01	74.00	30.99	150.0	H	84.0	1.72



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
23385.875000	41.50	74.00	32.50	150.0	V	140.0	0.06
31593.250000	42.66	74.00	31.34	150.0	V	246.0	1.72
39969.062500	49.81	74.00	24.19	150.0	V	220.0	7.96

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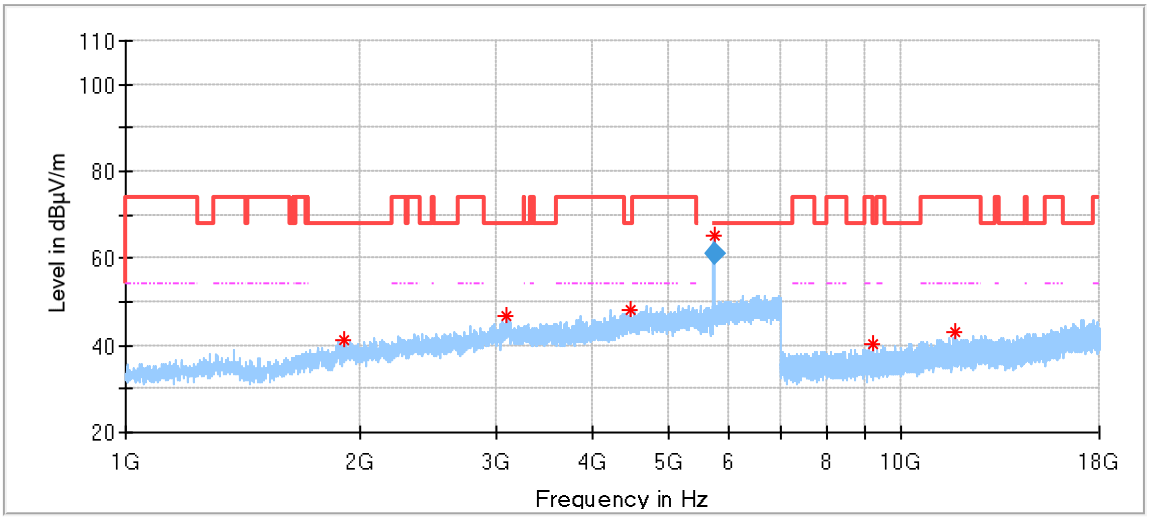
802.11ax20_5720_242Tone_RU61_ANT2 (1-18GHz)

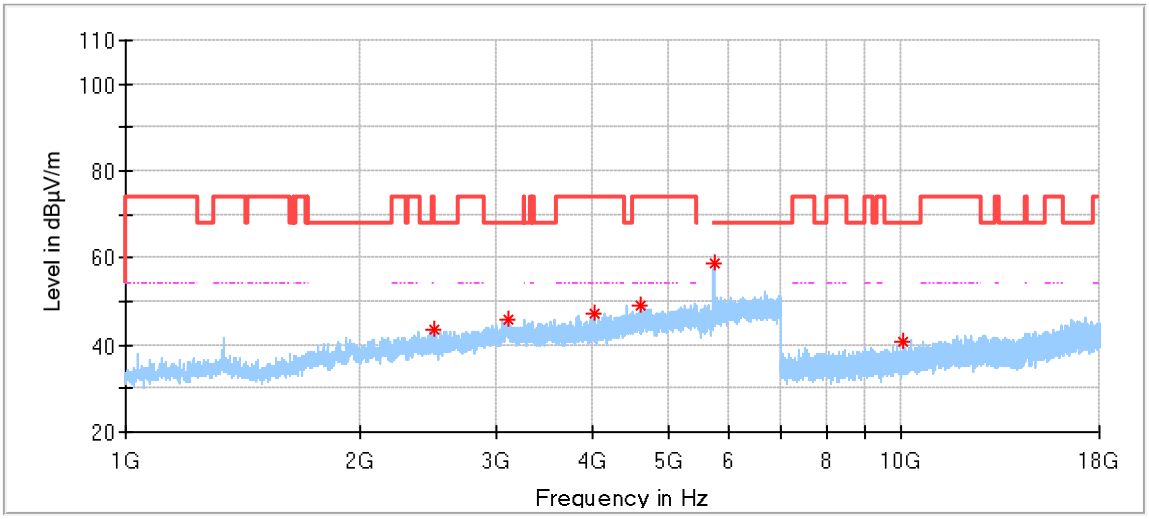


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1915.500000	41.23	68.20	26.97	150.0	H	285.0	-4.51
3091.500000	46.61	68.20	21.59	150.0	H	345.0	1.25
4472.500000	48.35	68.20	19.85	150.0	H	359.0	3.38
5729.000000	65.38	68.20	2.82	150.0	H	298.0	5.92
9169.000000	40.19	74.00	33.81	150.0	H	20.0	7.80
11717.000000	43.23	74.00	30.77	150.0	H	333.0	10.86

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5729.000000	61.20	68.20	7.00	150.0	H	298.0	5.92



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2503.500000	43.48	68.20	24.72	150.0	V	10.0	-2.58
3106.000000	45.83	68.20	22.37	150.0	V	291.0	1.37
4011.500000	47.31	74.00	26.69	150.0	V	110.0	1.56
4609.000000	49.09	74.00	24.91	150.0	V	36.0	4.04
5729.500000	58.78	68.20	9.42	150.0	V	10.0	5.93
10022.000000	40.92	68.20	27.28	150.0	V	28.0	8.49

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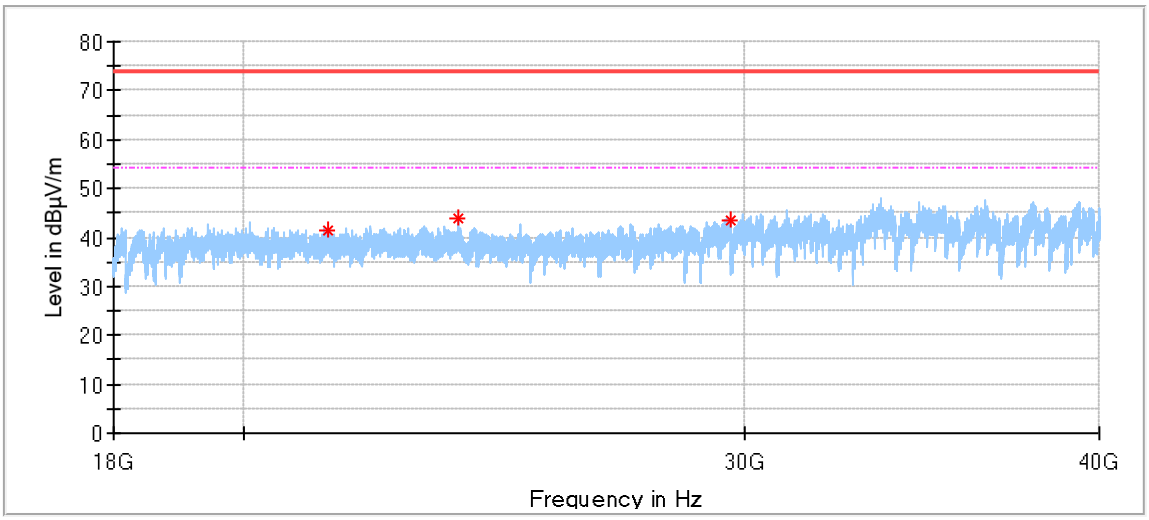
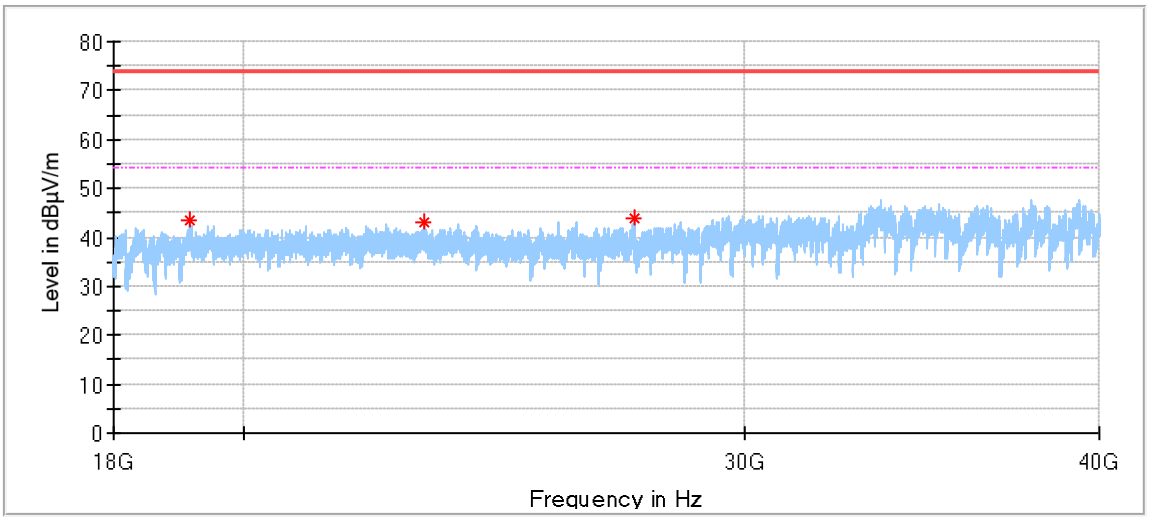
802.11ax20_5720_242Tone_RU61_ANT2 (18-40GHz)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
21429.937500	41.35	74.00	32.65	150.0	H	18.0	0.50
23804.562500	43.96	74.00	30.04	150.0	H	0.0	1.51
29683.375000	43.50	74.00	30.50	150.0	H	176.0	3.07



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19154.312500	43.34	74.00	30.66	150.0	V	0.0	-1.55
23136.312500	42.94	74.00	31.06	150.0	V	295.0	1.54
27438.000000	43.86	74.00	30.14	150.0	V	280.0	2.47

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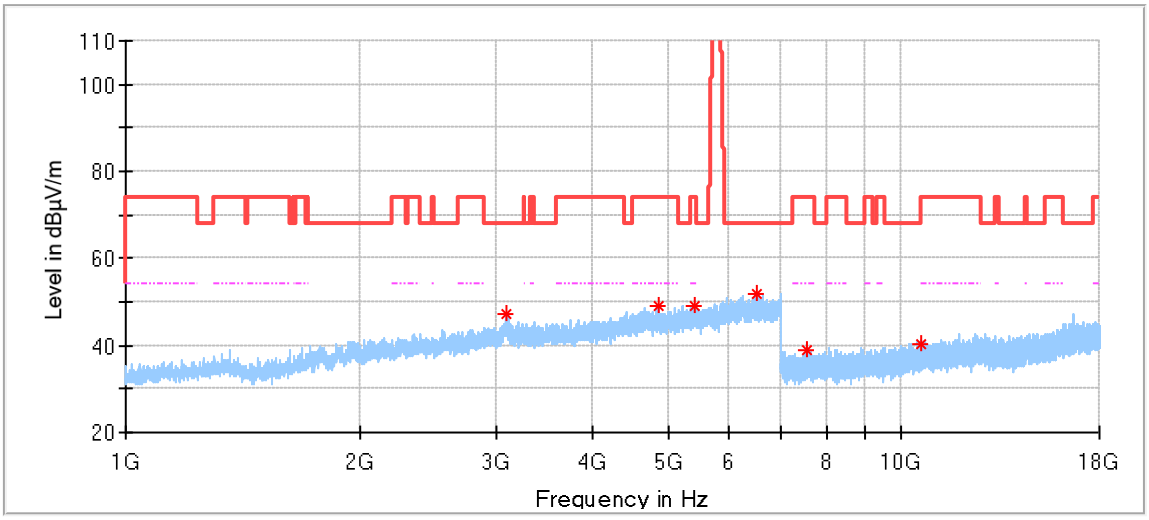
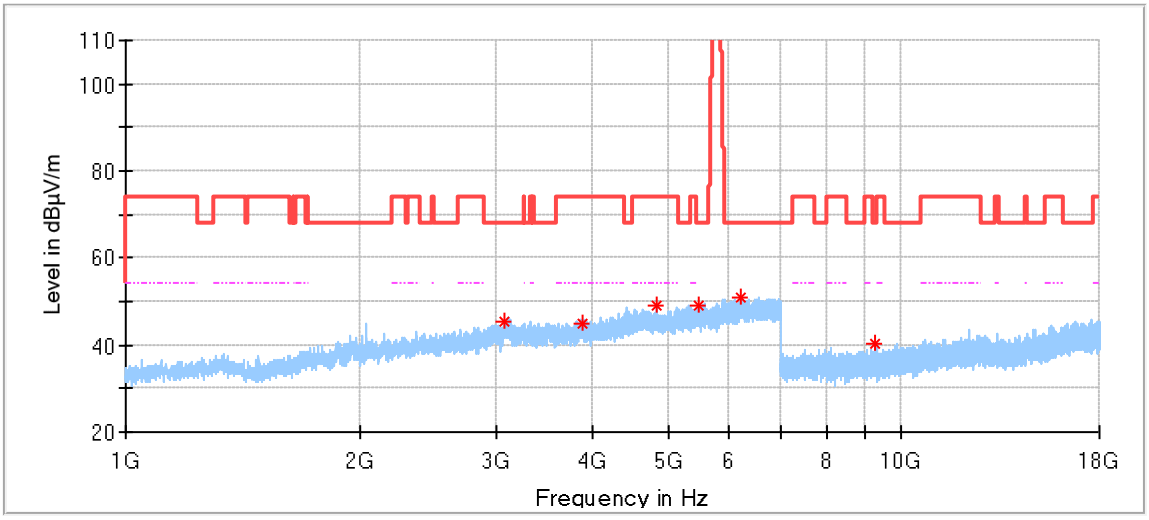
802.11ax20_5745_242Tone_RU61_ANT2 (1-18GHz)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3086.500000	47.38	68.20	20.82	150.0	H	197.0	1.05
4870.500000	48.90	74.00	25.10	150.0	H	244.0	4.17
5407.500000	48.93	74.00	25.07	150.0	H	70.0	5.58
6496.000000	51.85	68.20	16.35	150.0	H	280.0	8.31
7559.500000	39.08	74.00	34.92	150.0	H	127.0	5.72
10615.000000	40.21	74.00	33.79	150.0	H	269.0	9.05



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3075.000000	45.29	68.20	22.91	150.0	V	224.0	0.63
3874.000000	45.06	74.00	28.94	150.0	V	183.0	1.29
4833.500000	48.92	74.00	25.08	150.0	V	0.0	4.24
5490.000000	48.98	68.20	19.22	150.0	V	10.0	5.59
6226.000000	50.99	68.20	17.21	150.0	V	341.0	8.12
9262.500000	40.12	68.20	28.08	150.0	V	311.0	7.84

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