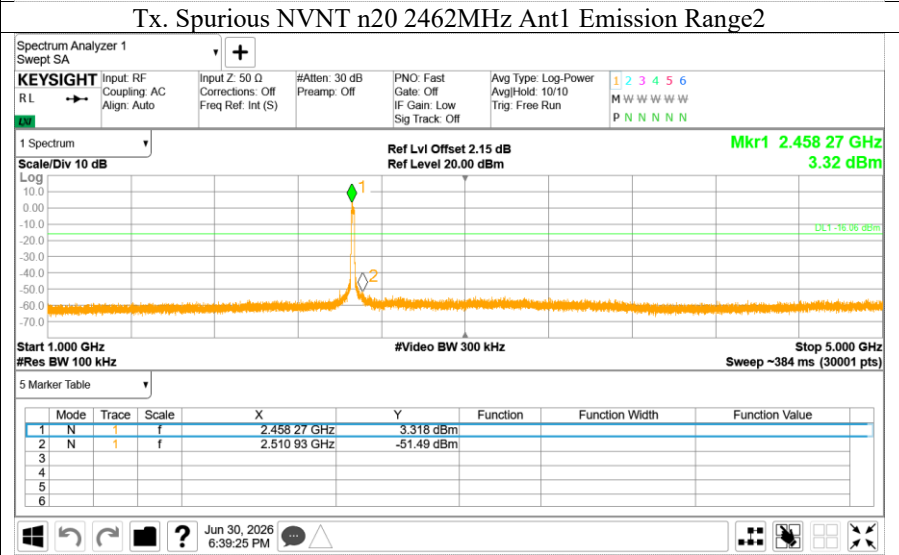
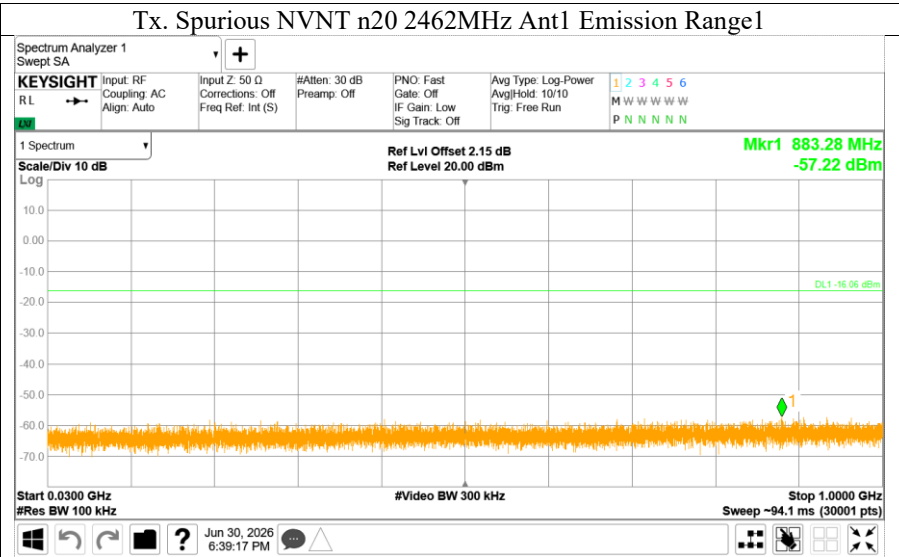
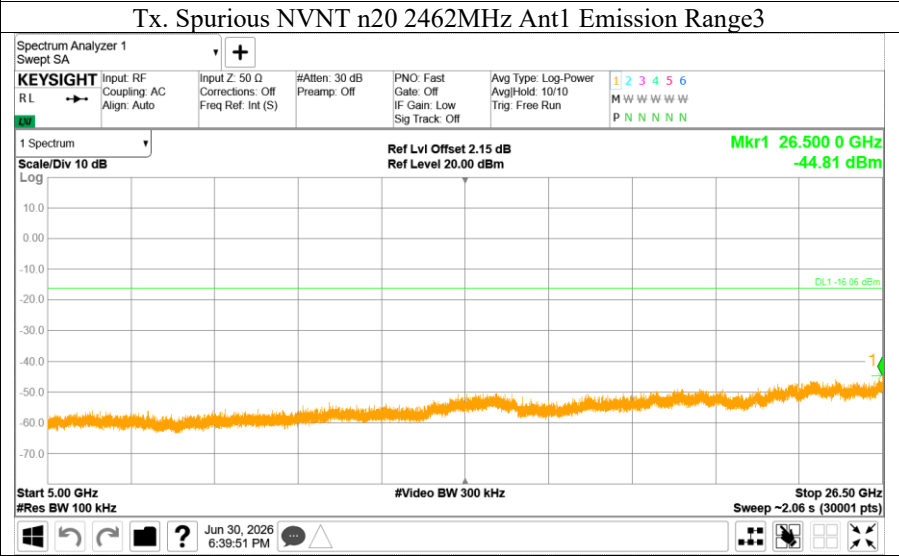
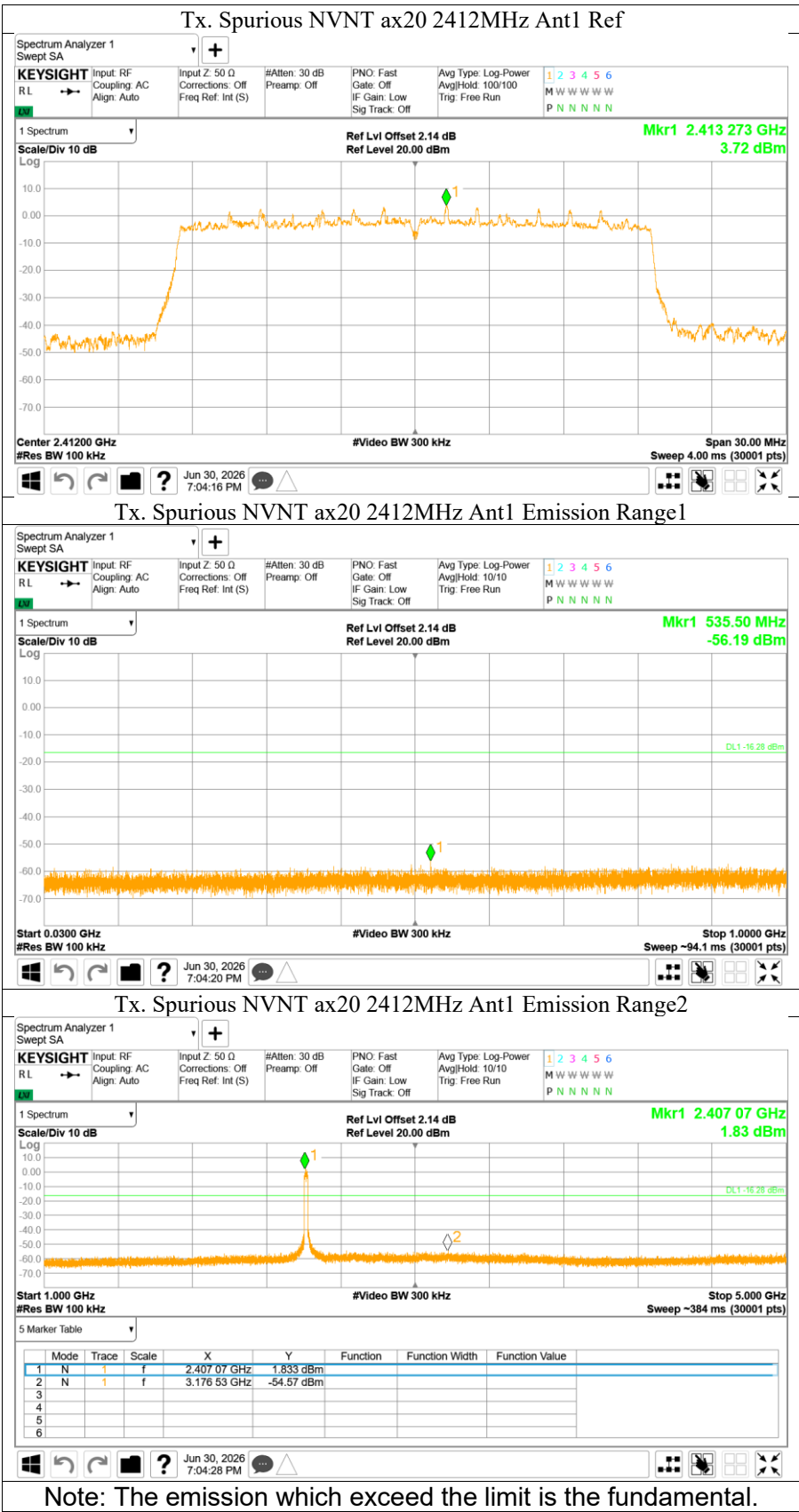
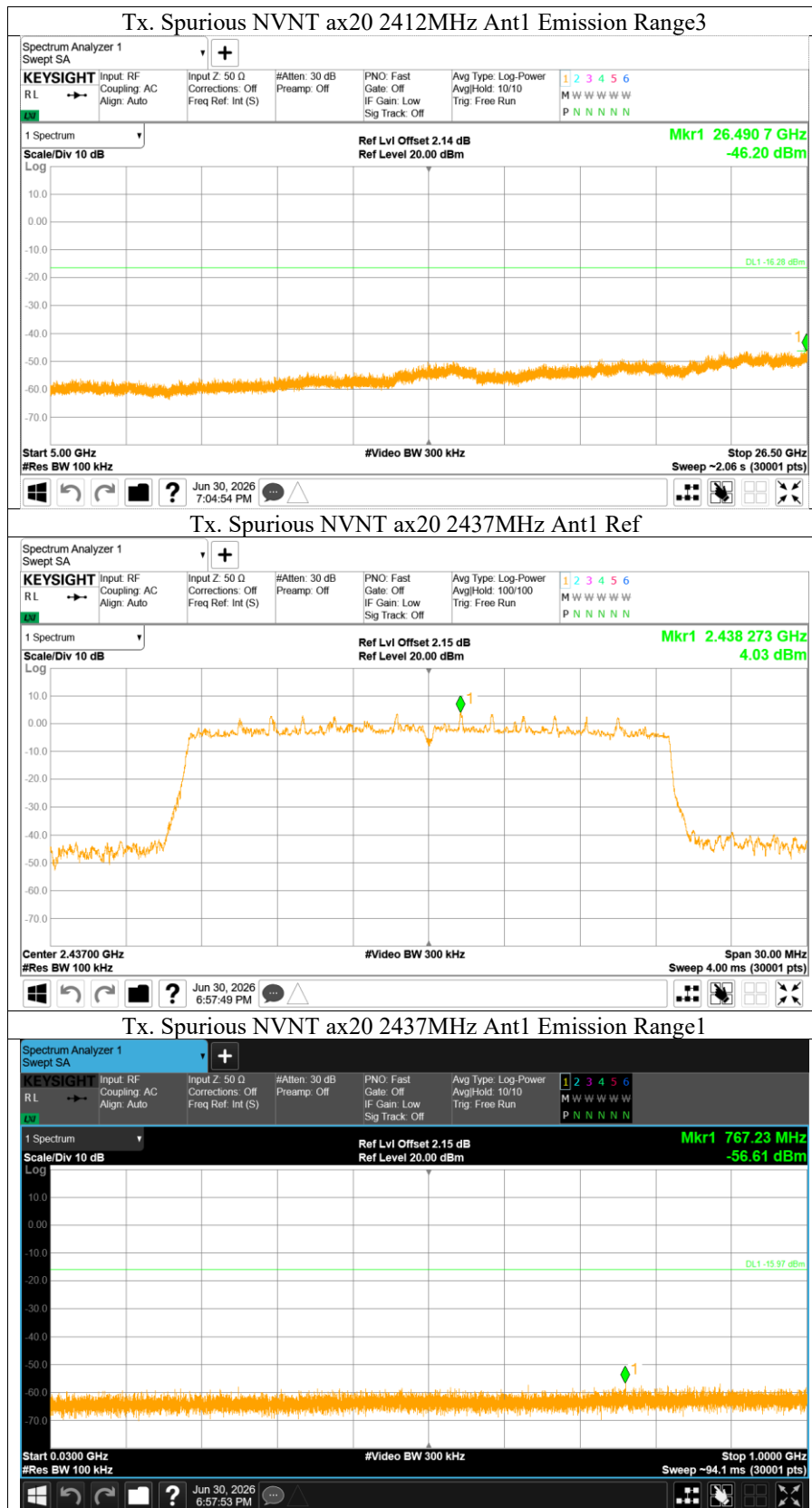


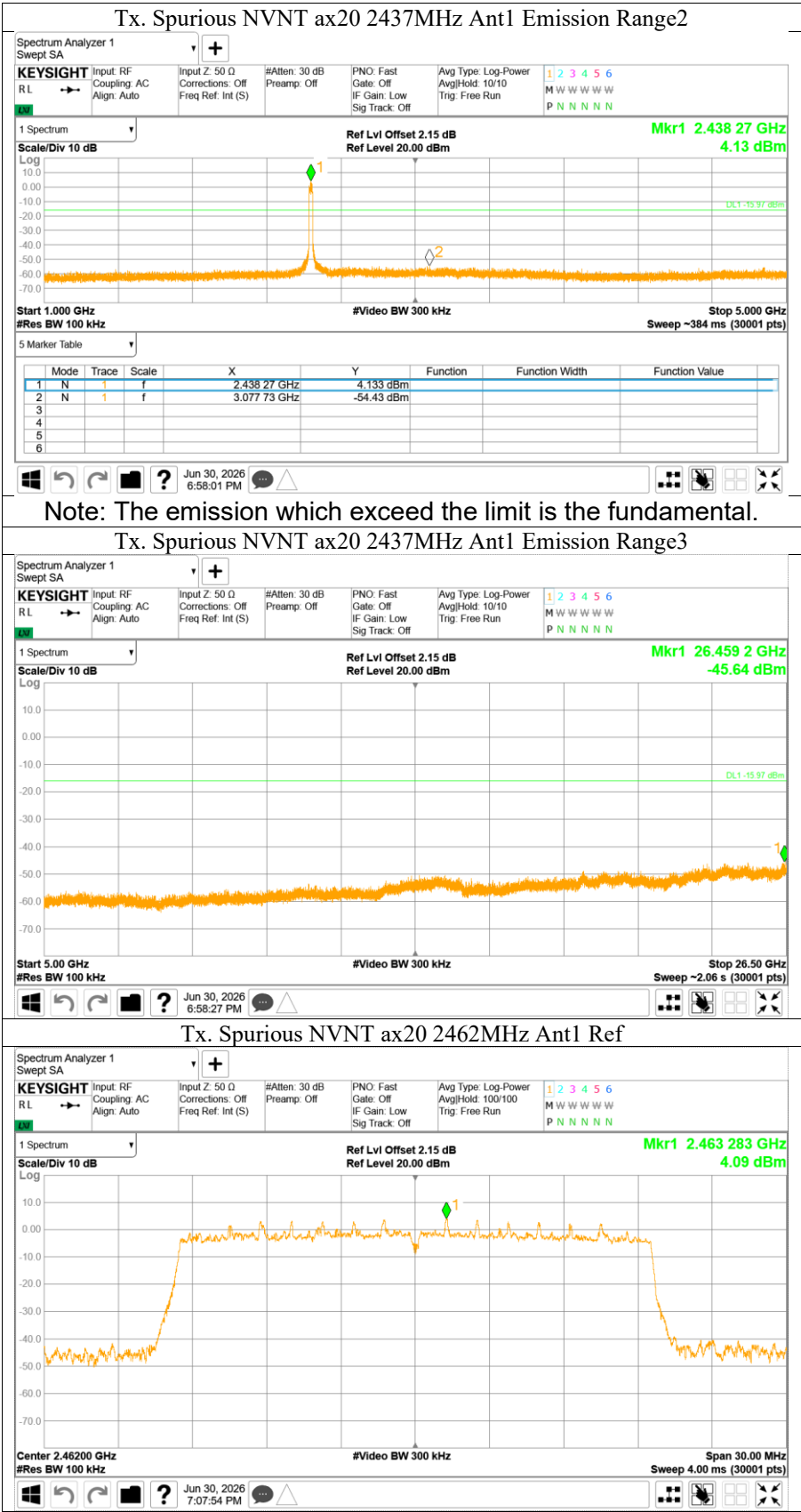


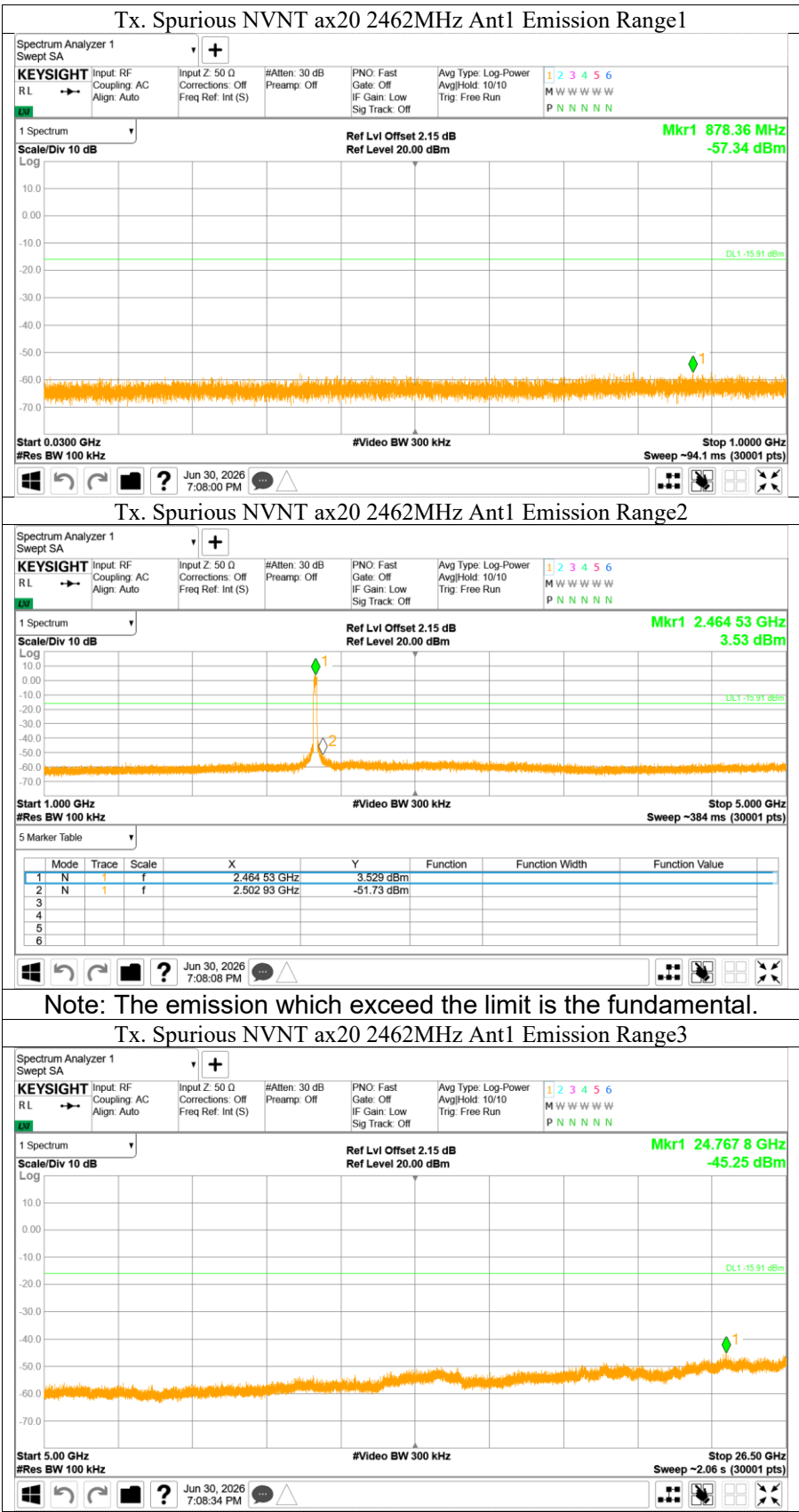
Note: The emission which exceed the limit is the fundamental.













10.5 Band edge

Test Method

1. The RF output of EUT was connected to the spectrum analyzer by RF cable. The path loss was compensated to the results for each measurement.
2. Set to the maximum power setting, the instrument center frequency is set to the nominal EUT channel center frequency enable the EUT transmit continuously.
3. Use the following spectrum analyzer settings:
Span = wide enough to capture the peak level of the in-band emission and all spurious
RBW = 100 kHz, VBW $\geq$ 3RBW, Sweep = auto, Detector function = peak, Trace = max hold
4. Allow the trace to stabilize, use the peak and delta measurement to record the result.
5. The level displayed must comply with the limit specified in this Section.
6. Repeat above procedures until all frequencies measured were complete and submit all the plots.

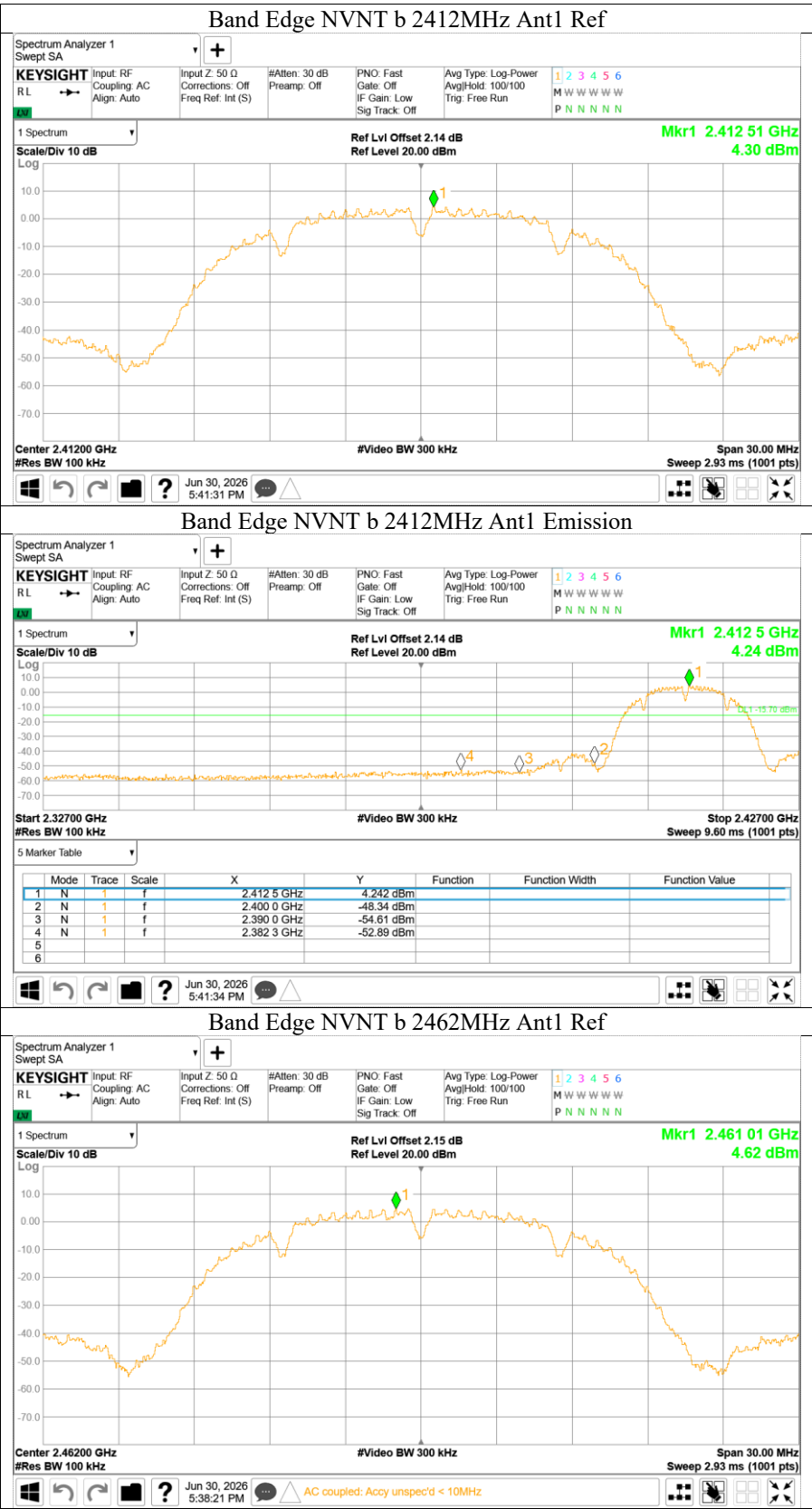
Limit:

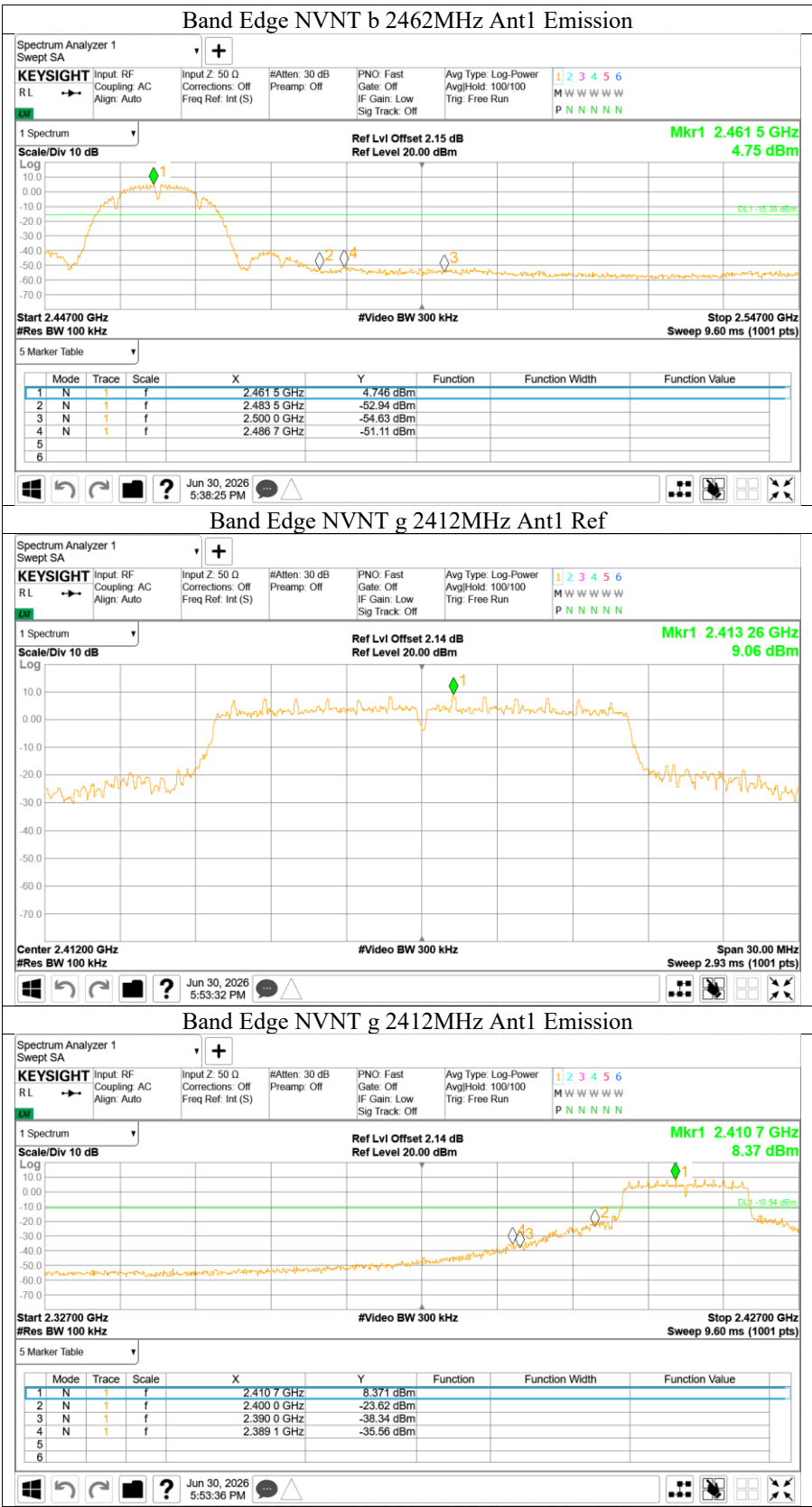
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under § 15.247(b)(3), the attenuation required shall be 30 dB instead of 20 dB.

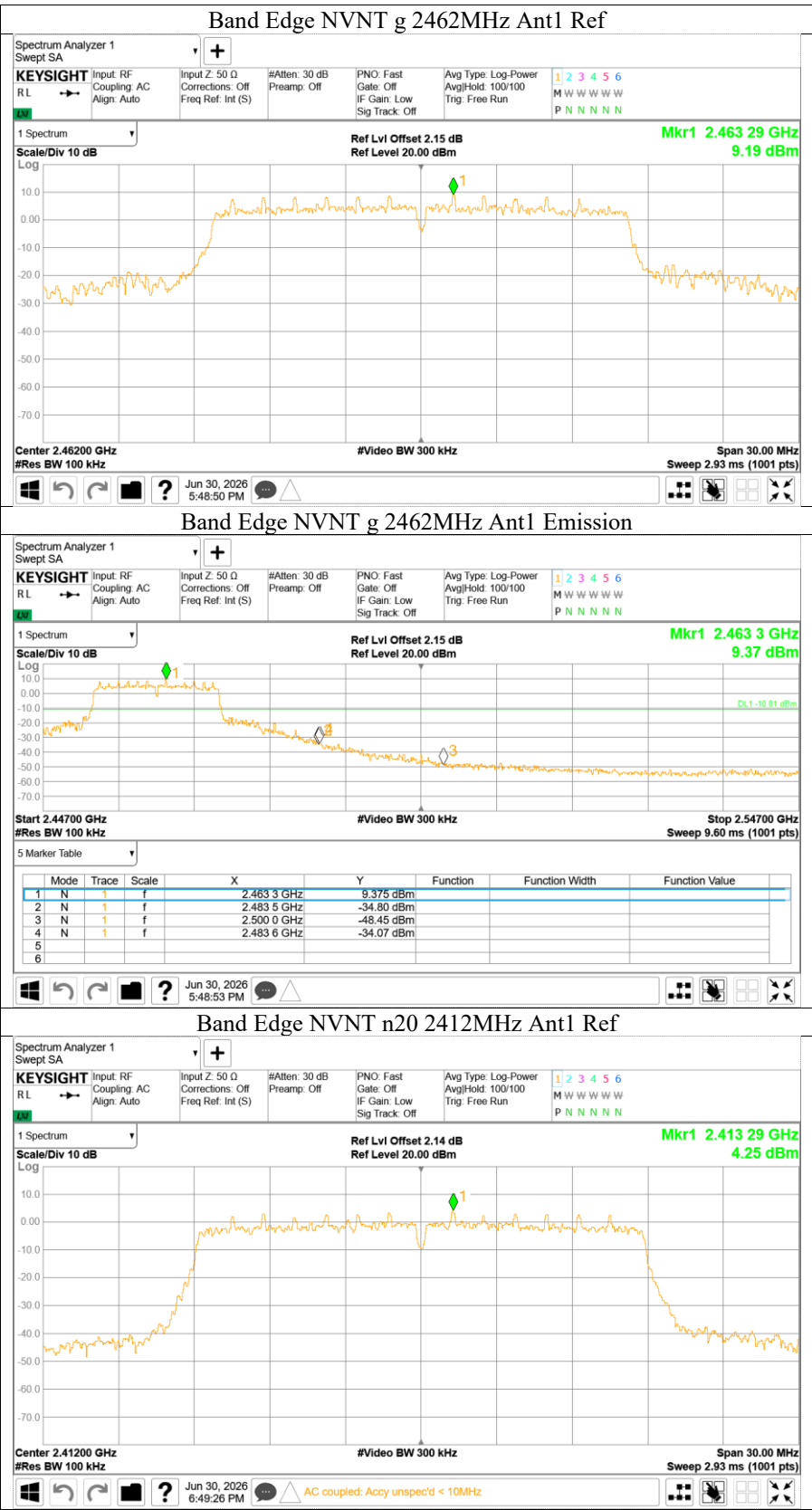
Frequency Range	Limit (dBc)
MHz	
30-25000	-20

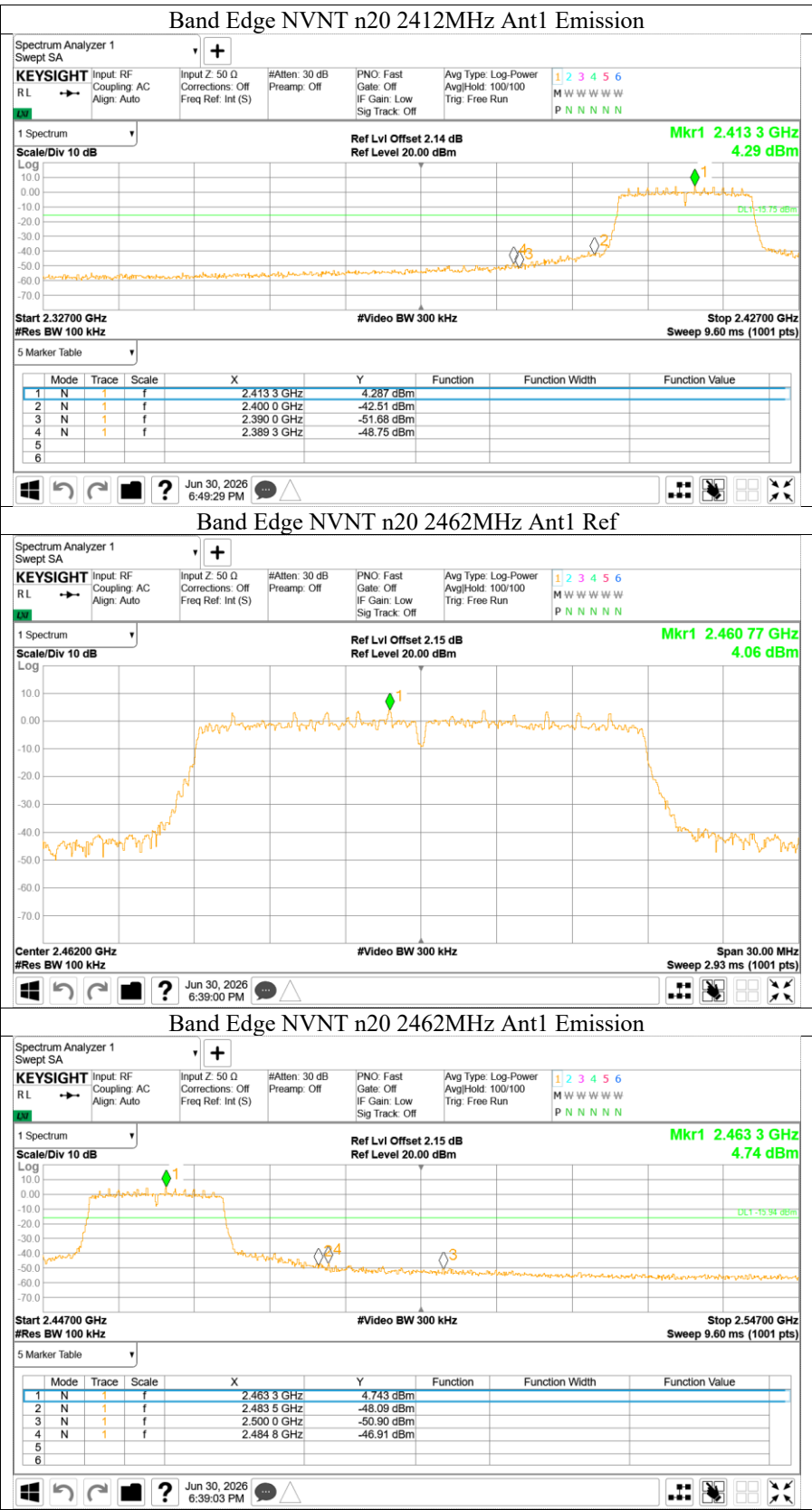


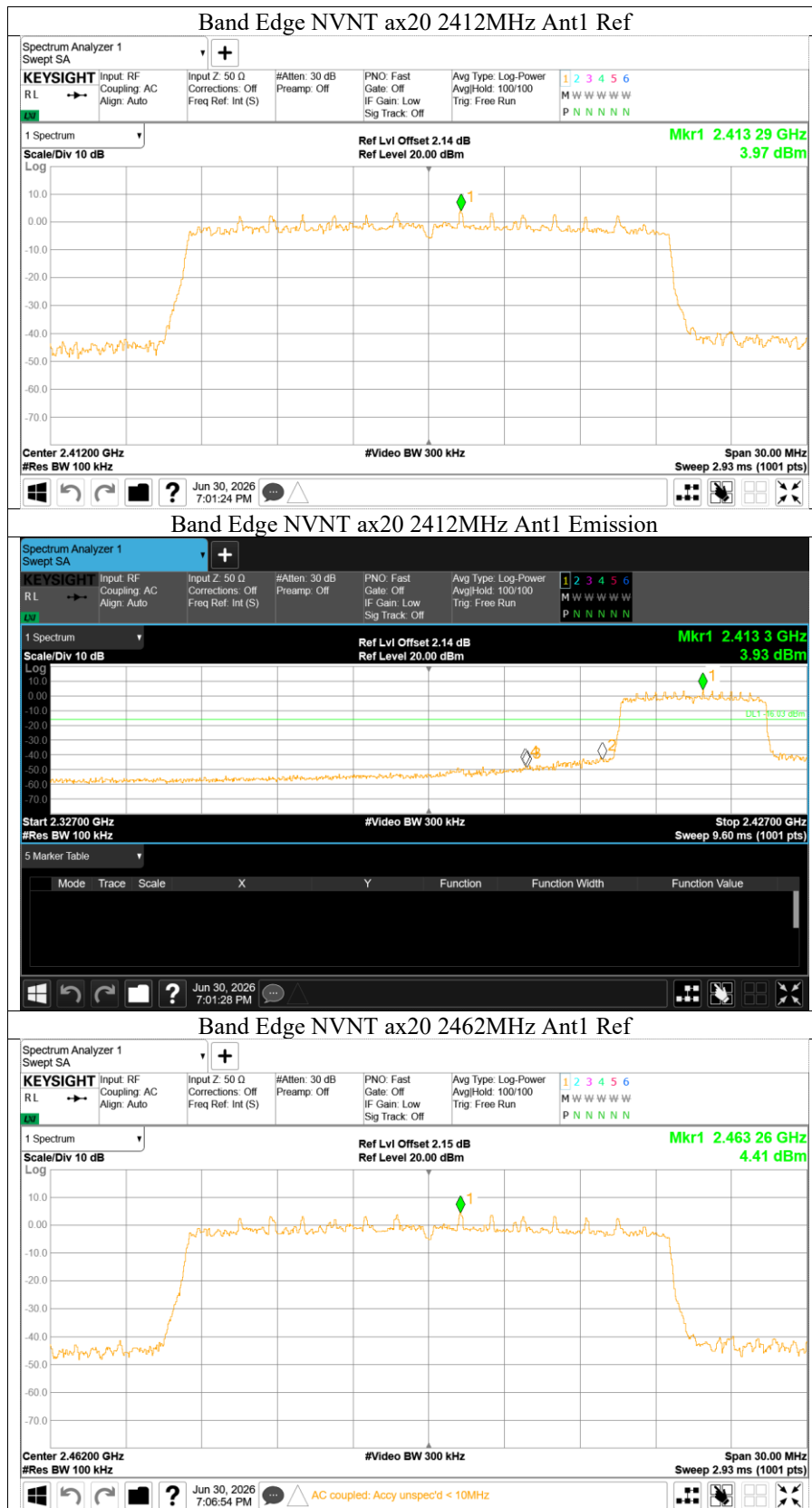
Test result

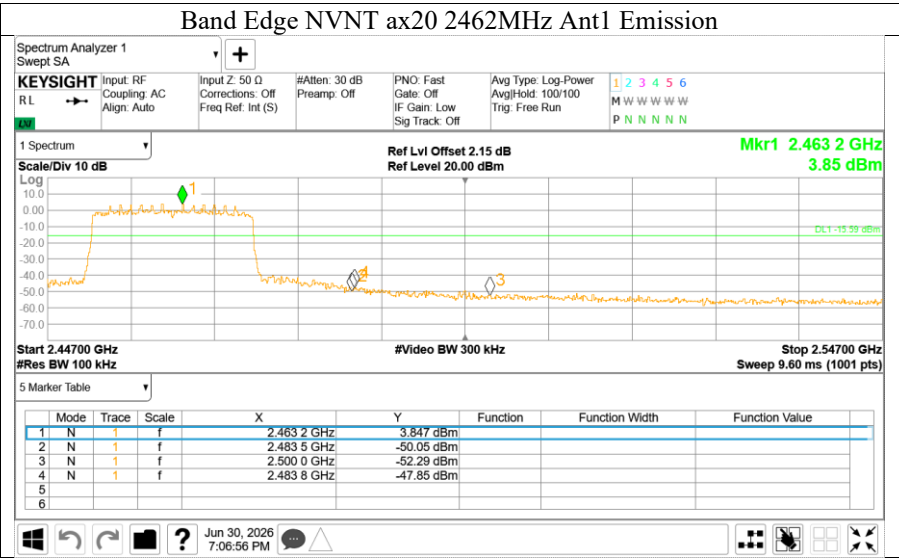














10.6 Spurious radiated emissions for transmitter

Test Method

1. The EUT was placed on a turn table which is 1.5m above ground plane for above 1GHz and 0.8m above ground for below 1GHz at 3 meter 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 from 0 degrees to 360 degrees to find the maximum reading.
5. Use the following spectrum analyzer settings According to C63.10
 - 1) Procedure for Unwanted Emissions Measurements Below 1000 MHz
Span = wide enough to capture the peak level of the in-band emission and all spurious
RBW = 100 kHz to 120kHz, VBW ≥ RBW for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.
 - 2) For Peak unwanted emissions Above 1GHz:
Span = wide enough to capture the peak level of the in-band emission and all spurious
RBW = 1MHz, VBW ≥ RBW for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.
Procedures for average unwanted emissions measurements above 1GHz
 - a) RBW = 1MHz.
 - b) $VBW \setminus [3 \times RBW]$.
 - c) Detector = RMS (power averaging), if $[span / (\# \text{ of points in sweep})] \setminus RBW / 2$.
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:
 - 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.

3) 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 (AV) at frequency above 1GHz.

Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced 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 that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under § 15.247(b)(3), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a).

Below 30MHz

§15.247(d) & §15.209 & §15.205

Frequency MHz	Field Strength uV/m	Detector	Measured Distance Meters
0.009~0.090	2400/F (kHz)	AV	300
0.090~0.110	2400/F (kHz)	QP	300
0.110~0.490	2400/F (kHz)	AV	300
0.490~1.705	24000/F (kHz)	QP	30
1.705~30	30	QP	30

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)

Note 3: dBµV/m = 20log(µV/m)

Above 30MHz

§15.247(d) & §15.209 & §15.205

RSS-247 & RSS-Gen 8.9 & 8.10

Frequency MHz	Field Strength uV/m	Field Strength dBµV/m	Detector	Measured 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

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.

Test result

The worst case of Radiated Emission below 1GHz: Only the worst case listed as below.

0.009-30MHz Radiated Emission

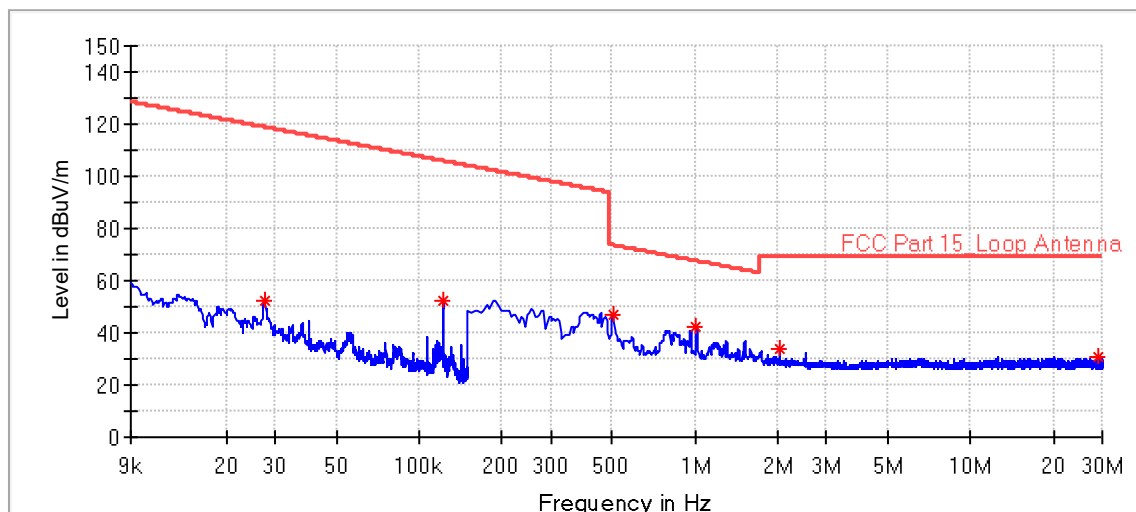
EUT Information

EUT Name: IMOU Smart Lock
 Model: C11-F-K(L)
 Client: Hangzhou Huacheng Software Technology Co., Ltd.
 Op Cond: Transmit mode, 802.11g Tx_2462MHz (worst case)
 Operator: Doujun XU
 Test Spec: FCC Part 15.209(a)
 Sample No: SHA-1046750-2

Sweep Setup: RE_VULB9168_pre_Cont_30-1000 [EMI radiated]

Hardware Setup: RE_Loop Antenna V
 Receiver: [ESR 3]
 Level Unit: dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamplifier
9 kHz - 150 kHz	88.125 Hz	PK+	200 Hz	0.01 s	0 dB
150 kHz - 30 MHz	4.39 kHz	PK+	9 kHz	0.01 s	0 dB

**Limit and Margin**

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.027683	52.06	118.76	66.70	X	0.0	19.0
0.122329	52.42	105.85	53.43	X	2.0	18.8
0.505566	47.16	73.53	26.36	X	0.0	18.8
1.010383	42.63	67.51	24.88	X	0.0	18.8
2.024405	33.85	69.54	35.69	X	2.0	19.0
29.025485	31.06	69.54	38.48	X	102.0	18.9

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)
 Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

0.009-30MHz Radiated Emission

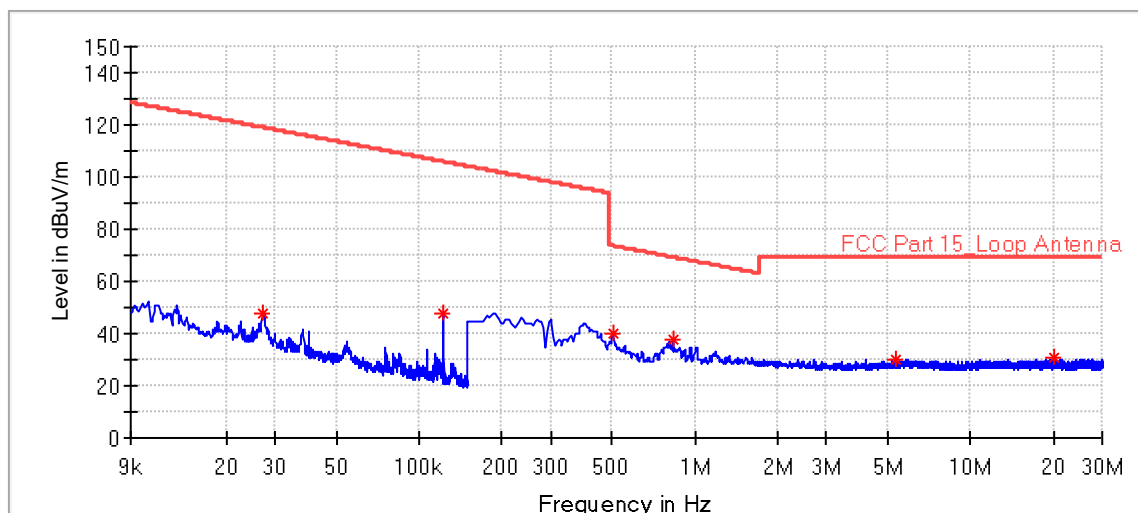
EUT Information

EUT Name: IMOU Smart Lock
 Model: C11-F-K(L)
 Client: Hangzhou Huacheng Software Technology Co., Ltd.
 Op Cond: Transmit mode, 802.11g Tx_2462MHz (worst case)
 Operator: Doujun XU
 Test Spec: FCC Part 15.209(a)
 Sample No: SHA-1046750-2

Sweep Setup: RE_VULB9168_pre_Cont_30-1000 [EMI radiated]

Hardware Setup: RE_Loop Antenna V
 Receiver: [ESR 3]
 Level Unit: dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
9 kHz - 150 kHz	88.125 Hz	PK+	200 Hz	0.01 s	0 dB
150 kHz - 30 MHz	4.39 kHz	PK+	9 kHz	0.01 s	0 dB



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.027330	47.94	118.87	70.93	Y	74.0	19.0
0.122593	47.91	105.83	57.93	Y	71.0	18.8
0.505566	39.73	73.53	33.80	Y	96.0	18.8
0.830405	37.37	69.22	31.85	Y	76.0	18.8
5.321074	30.21	69.54	39.33	Y	173.0	18.9
20.022199	30.74	69.54	38.80	Y	25.0	19.1

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)
 Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

30-1000MHz Radiated Emission

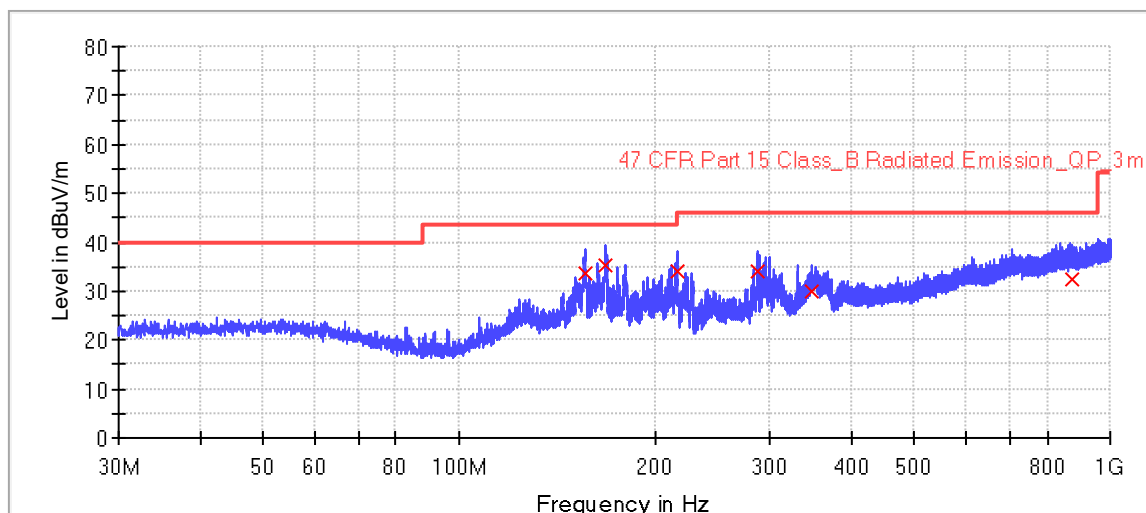
EUT Information

EUT Name: IMOU Smart Lock
 Model: C11-F-K(L)
 Client: Hangzhou Huacheng Software Technology Co., Ltd.
 Op Cond: Transmit mode, 802.11g Tx_2462MHz (worst case)
 Operator: Doujun XU
 Test Spec: FCC Part 15.209(a)
 Sample No: SHA-1046750-2

Sweep Setup: RE_VULB9168_pre_Cont_30-1000 [EMI radiated]

Hardware Setup: RE_VULB9168
 Receiver: [ESR 3]
 Level Unit: dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
30 MHz - 1 GHz	48.5 kHz	PK+	120 kHz	0.2 s	20 dB



Critical_Freqs

Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBuV/m)
156.080000	33.5	1000.0	120.000	250.0	H	124.0	20.7	10.0	43.5
168.000000	35.1	1000.0	120.000	200.0	H	256.0	20.3	8.4	43.5
215.840000	33.9	1000.0	120.000	150.0	H	234.0	17.8	9.6	43.5
288.160000	34.2	1000.0	120.000	150.0	H	148.0	21.3	11.8	46.0
348.000000	29.8	1000.0	120.000	100.0	H	312.0	22.8	16.2	46.0
871.800000	32.6	1000.0	120.000	300.0	H	204.0	33.3	13.5	46.0

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)
 Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)



30-1000MHz Radiated Emission

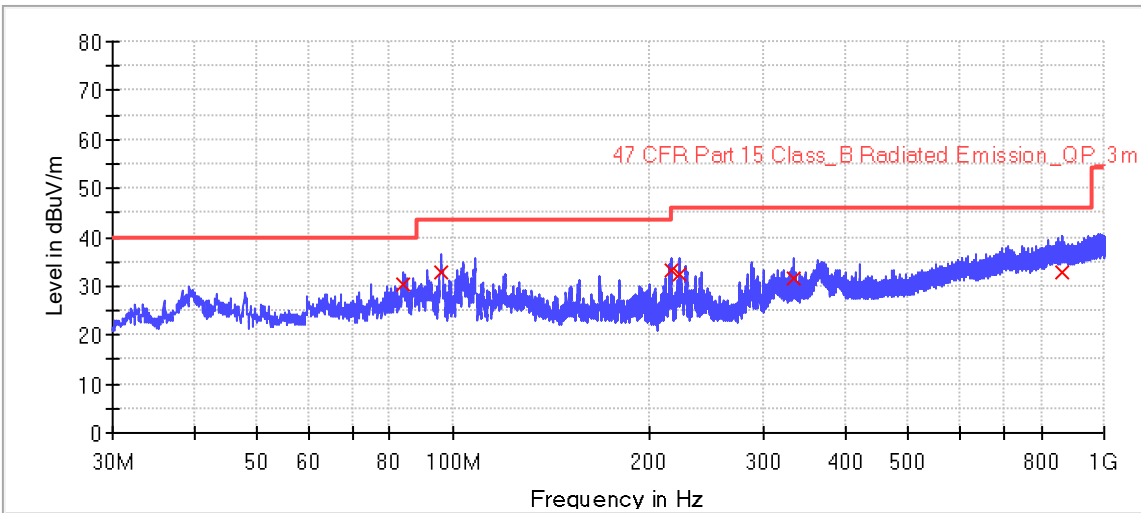
EUT Information

EUT Name: IMOU Smart Lock
 Model: C11-F-K(L)
 Client: Hangzhou Huacheng Software Technology Co., Ltd.
 Op Cond: Transmit mode, 802.11g Tx_2462MHz (worst case)
 Operator: Doujun XU
 Test Spec: FCC Part 15.209(a)
 Sample No: SHA-1046750-2

Sweep Setup: RE_VULB9168_pre_Cont_30-1000 [EMI radiated]

Hardware Setup: RE_VULB9168
 Receiver: [ESR 3]
 Level Unit: dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
30 MHz - 1 GHz	48.5 kHz	PK+	120 kHz	0.2 s	20 dB



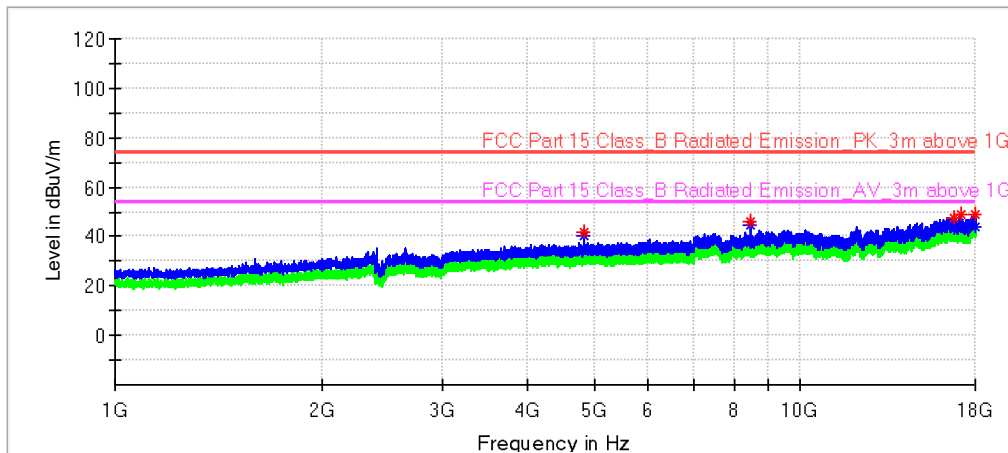
Critical_Freqs

Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBuV/m)
84.040000	30.2	1000.0	120.000	250.0	V	321.0	15.6	9.8	40.0
96.040000	32.8	1000.0	120.000	300.0	V	66.0	15.4	10.7	43.5
216.200000	33.1	1000.0	120.000	100.0	V	122.0	17.8	12.9	46.0
223.280000	32.6	1000.0	120.000	100.0	V	167.0	17.9	13.4	46.0
332.840000	31.5	1000.0	120.000	150.0	V	203.0	22.7	14.5	46.0
862.200000	32.8	1000.0	120.000	250.0	V	252.0	33.5	13.2	46.0

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)
 Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

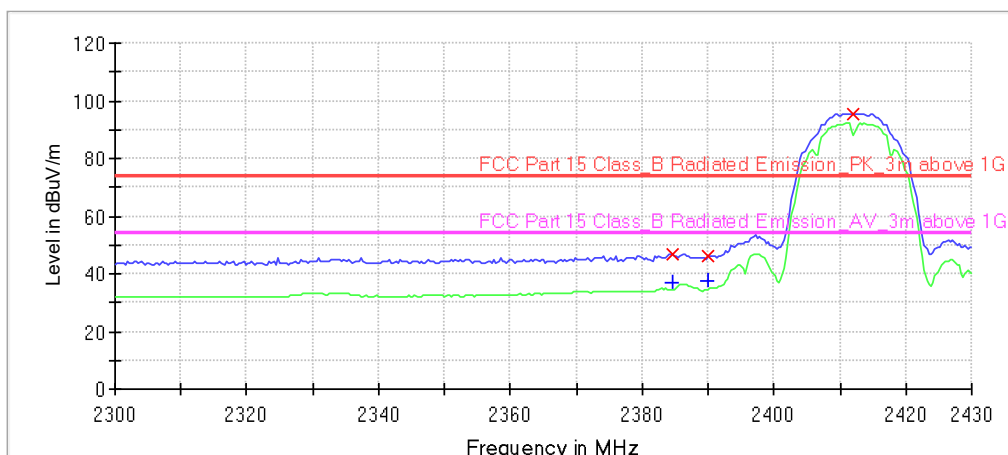
Radiated Emission 1-18GHz

Frequency: 802.11b 2412MHz



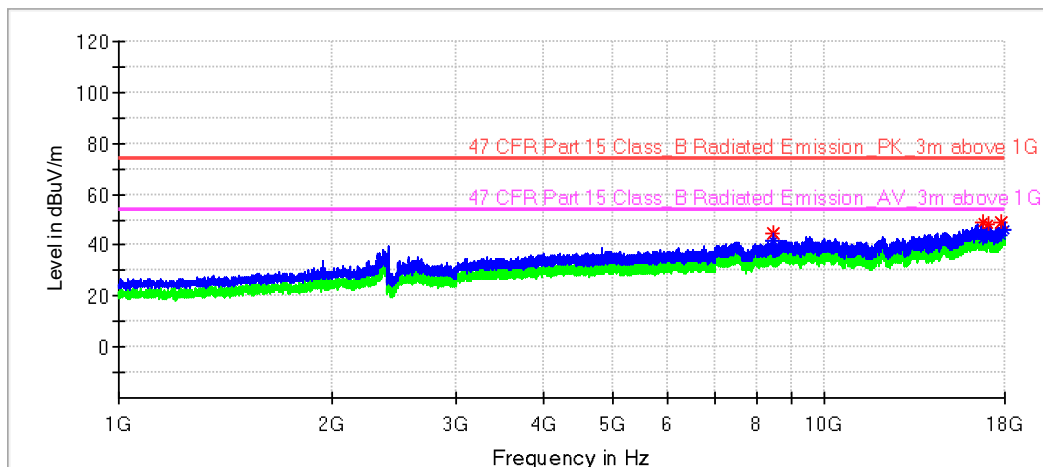
Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4823.937500	---	40.11	54.00	13.89	330.0	H	89.0	-3.9
4824.468750	41.51	---	74.00	32.49	250.0	H	122.0	-3.9
8442.281250	46.37	---	74.00	27.63	100.0	H	182.0	0.2
8442.281250	---	44.57	54.00	9.43	100.0	H	182.0	0.2
16731.906250	---	43.27	54.00	10.73	150.0	H	171.0	10.0
16738.281250	47.55	---	74.00	26.45	230.0	H	148.0	10.0
17092.625000	---	44.99	54.00	9.01	350.0	H	77.0	10.5
17138.843750	49.00	---	74.00	25.00	150.0	H	165.0	10.6
17951.125000	48.58	---	74.00	25.42	400.0	H	266.0	11.9
17962.281250	---	43.80	54.00	10.20	150.0	H	293.0	11.9



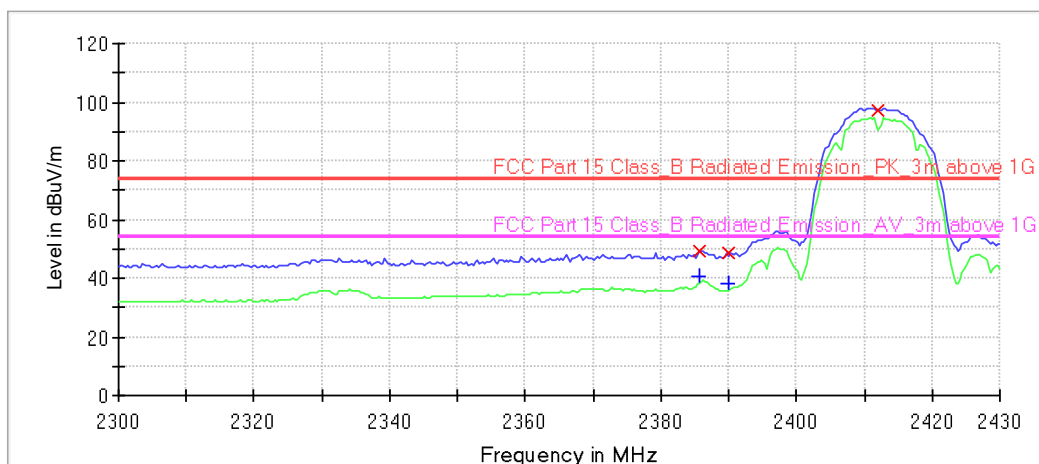
Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
2384.500000	46.9	36.9	300.0	H	224.0	-2.0	27.1	74.0	17.1	54.0
2390.000000	45.9	37.6	150.0	H	156.0	-2.0	28.1	74.0	16.4	54.0
2412.000000	95.2	---	150.0	H	239.0	-1.9	---	---	---	---



Limit and Margin

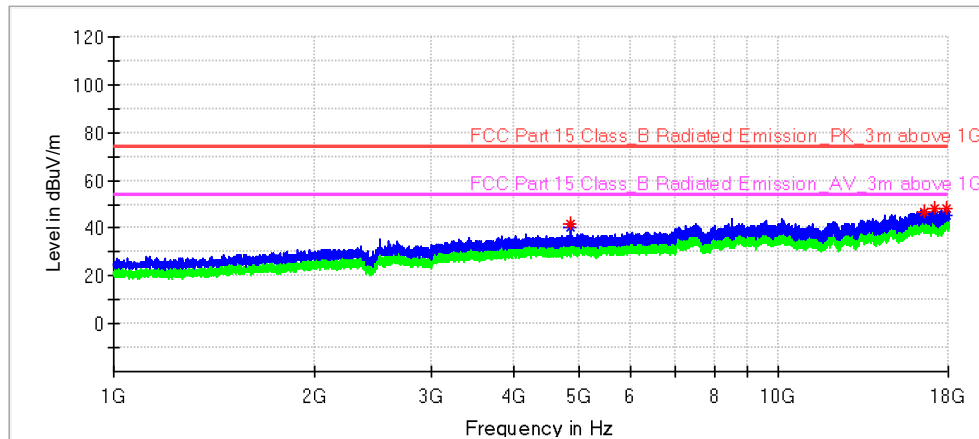
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8441.750000	44.48	---	74.00	29.52	200.0	V	90.0	0.2
8442.281250	---	41.90	54.00	12.10	150.0	V	90.0	0.2
16712.250000	48.75	---	74.00	25.25	210.0	V	100.0	10.0
16718.625000	---	42.79	54.00	11.21	300.0	V	128.0	10.0
17100.593750	48.47	---	74.00	25.53	350.0	V	73.0	10.5
17771.031250	---	44.12	54.00	9.88	350.0	V	84.0	11.5
17818.843750	49.27	---	74.00	24.73	400.0	V	3.0	11.6
17952.187500	---	46.18	54.00	7.82	150.0	V	234.0	11.9



Limit and Margin

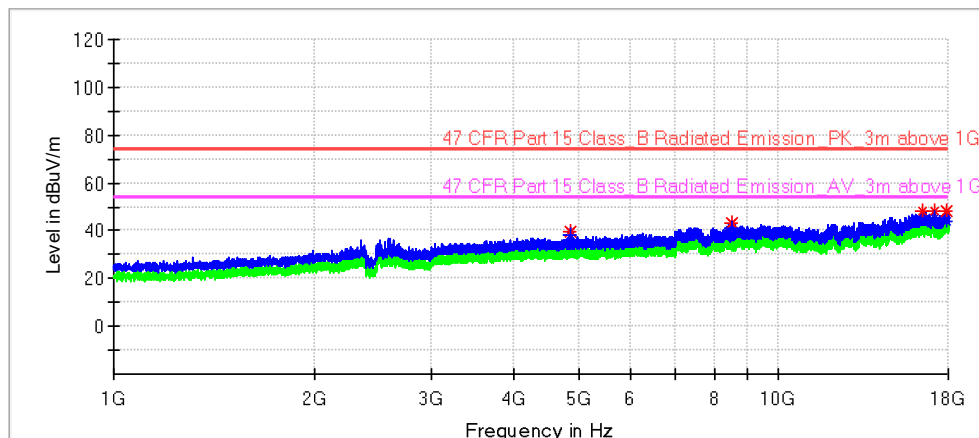
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
2385.700000	49.4	40.6	200.0	V	236.0	-2.0	24.6	74.0	13.4	54.0
2390.000000	48.7	38.4	220.0	V	148.0	-2.0	25.3	74.0	15.6	54.0
2412.000000	97.4	---	150.0	V	279.0	-1.9	---	---	---	---

Frequency: 802.11b 2437MHz



Limit and Margin

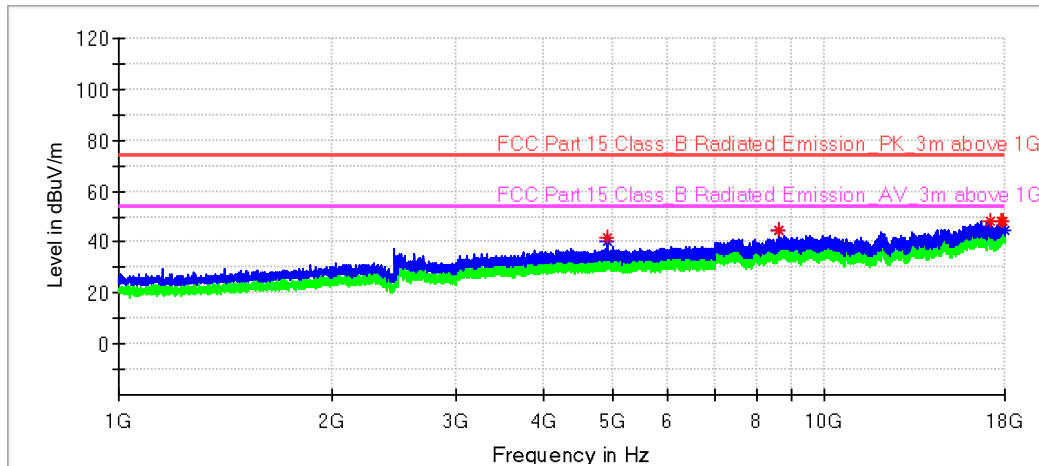
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4873.875000	---	40.49	54.00	13.51	150.0	H	90.0	-3.7
4873.875000	41.60	---	74.00	32.40	220.0	H	90.0	-3.7
16514.093750	46.50	---	74.00	27.50	100.0	H	273.0	9.6
16528.437500	---	43.83	54.00	10.17	100.0	H	172.0	9.6
17125.031250	---	45.20	54.00	8.80	250.0	H	24.0	10.6
17128.218750	48.14	---	74.00	25.86	300.0	H	223.0	10.6
17894.281250	---	45.56	54.00	8.44	220.0	H	245.0	11.8
17901.718750	48.17	---	74.00	25.83	350.0	H	340.0	11.8



Limit and Margin

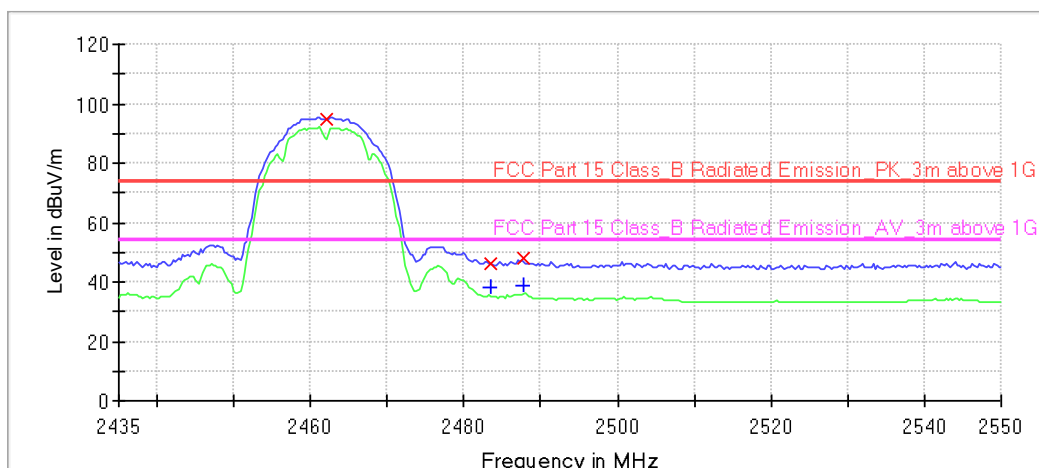
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4873.875000	---	38.05	54.00	15.95	100.0	V	114.0	-3.7
4873.875000	39.84	---	74.00	34.16	100.0	V	114.0	-3.7
8529.406250	43.37	---	74.00	30.63	250.0	V	130.0	0.3
8529.406250	---	41.29	54.00	12.71	250.0	V	130.0	0.3
16418.468750	---	44.41	54.00	9.59	300.0	V	27.0	9.4
16431.750000	47.95	---	74.00	26.05	400.0	V	0.0	9.4
17137.781250	---	45.07	54.00	8.93	400.0	V	85.0	10.6
17151.593750	48.37	---	74.00	25.63	210.0	V	197.0	10.6
17927.750000	---	44.18	54.00	9.82	100.0	V	10.0	11.9
17934.656250	48.41	---	74.00	25.59	150.0	V	130.0	11.9

Frequency: 802.11b 2462MHz



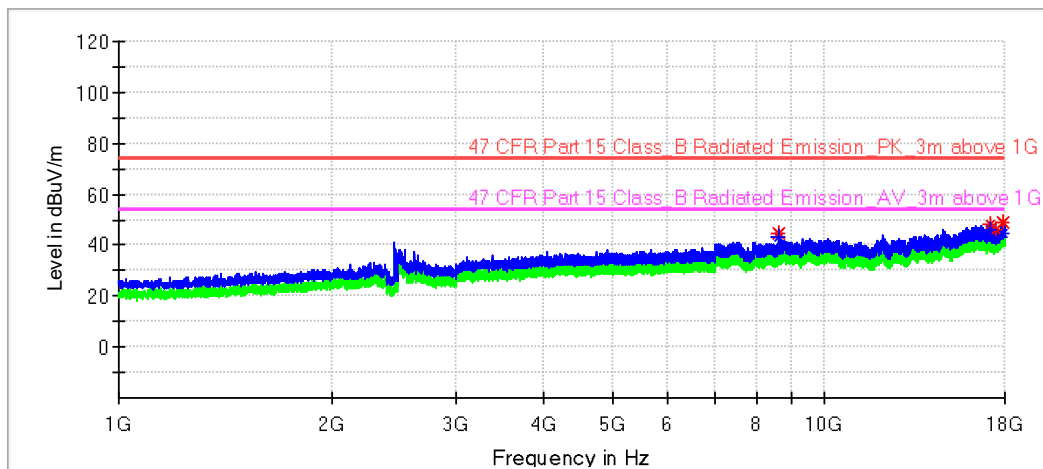
Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4923.812500	41.88	---	74.00	32.12	150.0	H	94.0	-3.6
4923.812500	---	40.38	54.00	13.62	250.0	H	94.0	-3.6
8617.062500	44.83	---	74.00	29.17	400.0	H	173.0	0.4
8617.062500	---	44.32	54.00	9.68	100.0	H	173.0	0.4
17121.312500	48.25	---	74.00	25.75	250.0	H	353.0	10.6
17127.687500	---	43.81	54.00	10.19	300.0	H	167.0	10.6
17810.875000	---	44.97	54.00	9.03	220.0	H	298.0	11.6
17810.875000	48.28	---	74.00	25.72	400.0	H	298.0	11.6
17944.218750	48.39	---	74.00	25.61	150.0	H	35.0	11.9
17947.937500	---	44.55	54.00	9.45	150.0	H	212.0	11.9



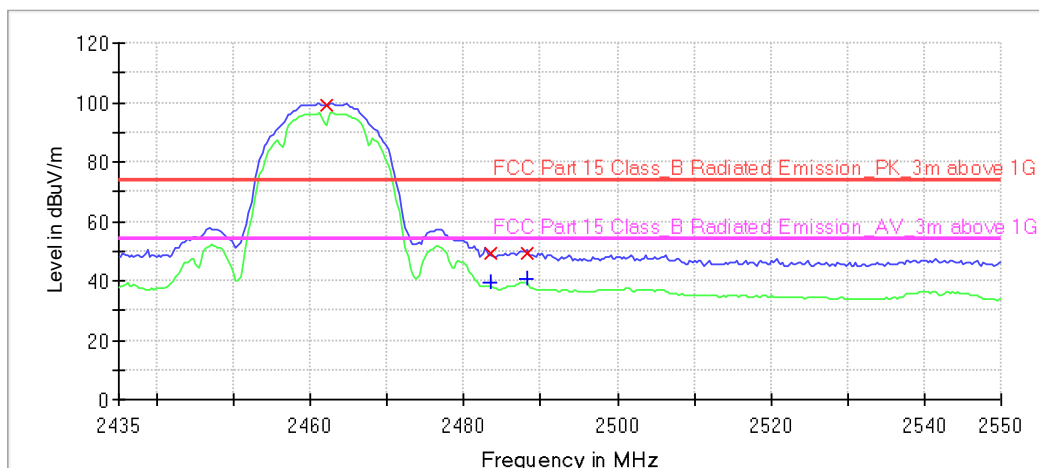
Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
2462.000000	94.7	---	250.0	H	145.0	-1.5	---	---	---	---
2483.500000	45.9	38.1	300.0	H	236.0	-1.5	28.1	74.0	15.9	54.0
2487.700000	47.8	38.9	150.0	H	179.0	-1.4	26.2	74.0	15.1	54.0



Limit and Margin

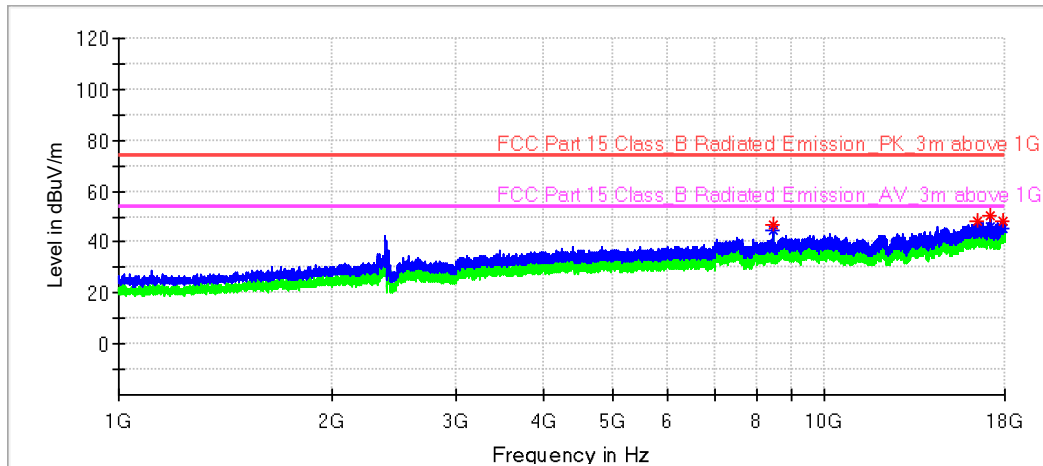
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8617.062500	44.81	---	74.00	29.19	150.0	V	93.0	0.4
8617.062500	---	42.89	54.00	11.11	400.0	V	93.0	0.4
17133.531250	48.09	---	74.00	25.91	200.0	V	318.0	10.6
17143.093750	---	46.02	54.00	7.98	100.0	V	231.0	10.6
17518.687500	46.28	---	74.00	27.72	250.0	V	149.0	11.1
17522.937500	---	42.48	54.00	11.52	300.0	V	359.0	11.1
17899.062500	48.81	---	74.00	25.19	350.0	V	2.0	11.8
17918.187500	---	44.36	54.00	9.64	150.0	V	21.0	11.8



Limit and Margin

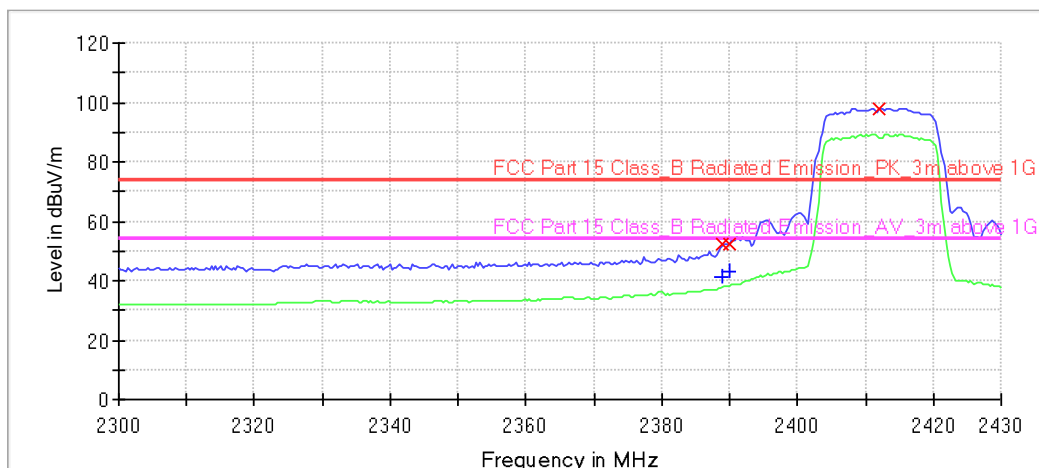
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
2462.000000	99.1	---	300.0	V	124.0	-1.5	---	---	---	---
2483.500000	49.1	39.6	150.0	V	156.0	-1.5	24.9	74.0	14.4	54.0
2488.300000	49.5	40.8	250.0	V	279.0	-1.4	24.5	74.0	13.2	54.0

Frequency: 802.11g 2412MHz



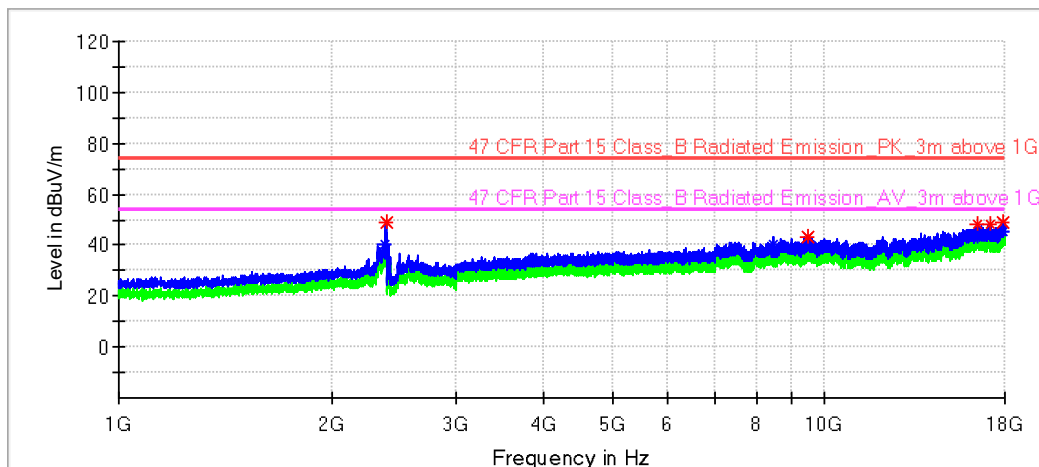
Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8441.750000	46.59	---	74.00	27.41	250.0	H	176.0	0.2
8442.281250	---	44.30	54.00	9.70	300.0	H	176.0	0.2
16423.781250	47.96	---	74.00	26.04	150.0	H	353.0	9.4
16428.562500	---	43.95	74.00	30.05	220.0	H	359.0	9.4
17142.031250	---	46.25	54.00	7.75	150.0	H	47.0	10.6
17142.031250	50.64	---	74.00	23.36	300.0	H	47.0	10.6
17898.531250	---	45.02	74.00	28.98	250.0	H	35.0	11.8
17916.593750	48.32	---	74.00	25.68	210.0	H	331.0	11.8



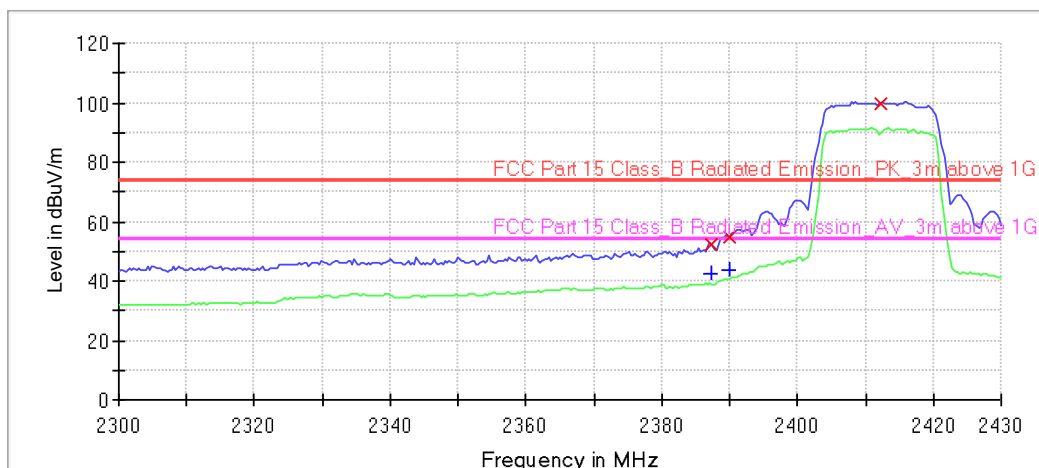
Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
2389.000000	52.4	41.3	250.0	H	353.0	-2.0	21.6	74.0	12.8	54.0
2390.000000	52.5	43.2	200.0	H	209.0	-2.0	21.5	74.0	10.8	54.0
2412.000000	97.9	---	150.0	H	169.0	-1.9	---	---	---	---



Limit and Margin

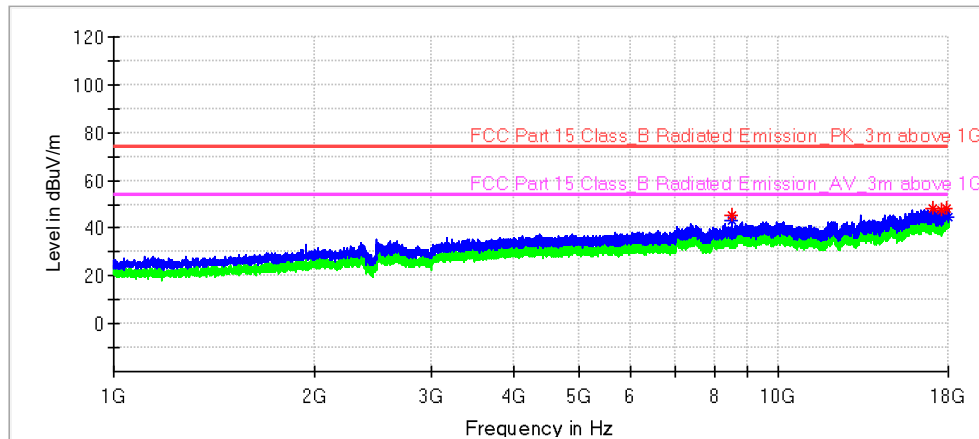
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.031250	---	40.63	54.00	13.37	250.0	V	131.0	-12.3
2390.281250	48.90	---	74.00	25.10	300.0	V	104.0	-12.3
8442.281250	---	40.40	54.00	13.60	310.0	V	87.0	0.2
9490.968750	43.21	---	74.00	30.79	250.0	V	137.0	1.2
16492.312500	---	43.24	54.00	10.76	220.0	V	256.0	9.5
16507.187500	47.89	---	74.00	26.11	150.0	V	26.0	9.6
17130.343750	48.11	---	74.00	25.89	200.0	V	137.0	10.6
17137.250000	---	44.13	54.00	9.87	100.0	V	227.0	10.6
17913.406250	49.10	---	74.00	24.90	100.0	V	60.0	11.8
17939.968750	---	45.31	54.00	8.69	150.0	V	192.0	11.9



Limit and Margin

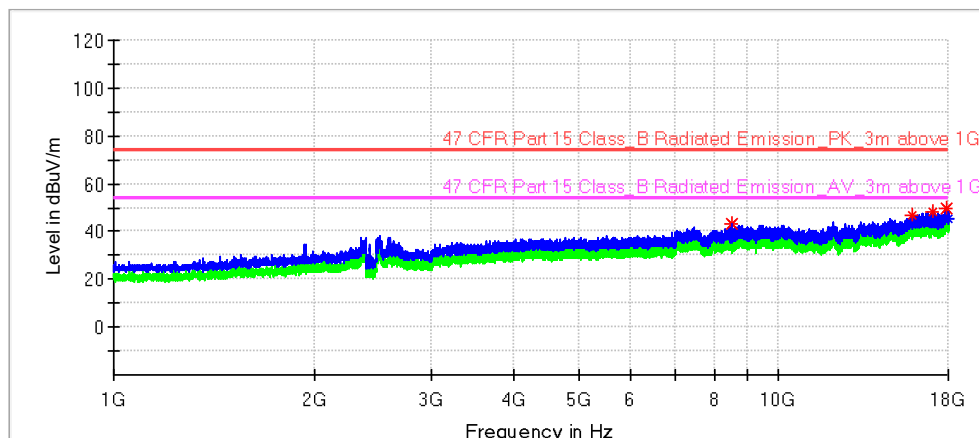
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
2387.200000	52.4	42.4	250.0	V	224.0	-2.0	21.6	74.0	11.6	54.0
2390.000000	54.9	43.6	150.0	V	158.0	-2.0	19.1	74.0	10.4	54.0
2412.400000	99.8	---	200.0	V	237.0	-1.9	---	---	---	---

Frequency: 802.11g 2437MHz



Limit and Margin

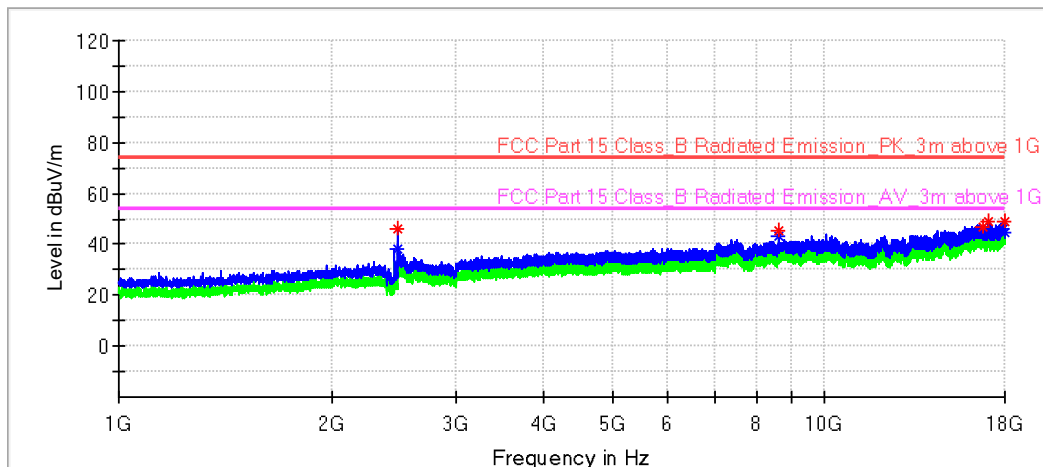
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8529.406250	45.17	---	74.00	28.83	200.0	H	168.0	0.3
8529.937500	---	43.20	54.00	10.80	250.0	H	174.0	0.3
17095.812500	---	44.95	54.00	9.05	250.0	H	22.0	10.5
17105.906250	48.36	---	74.00	25.64	300.0	H	278.0	10.5
17607.937500	47.42	---	74.00	26.58	300.0	H	34.0	11.2
17617.500000	---	44.58	54.00	9.42	250.0	H	129.0	11.2
17922.437500	48.54	---	74.00	25.46	100.0	H	217.0	11.9
17962.812500	---	44.97	54.00	9.03	150.0	H	118.0	11.9



Limit and Margin

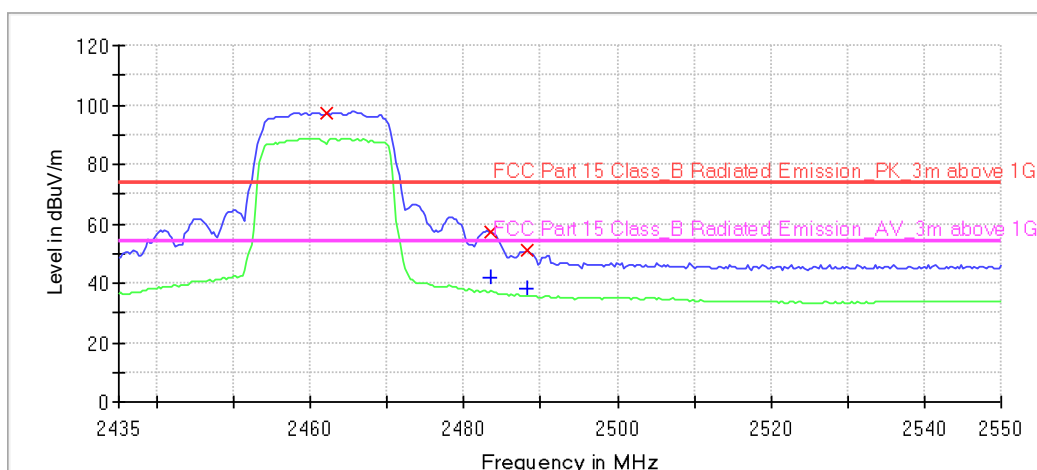
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8529.406250	---	40.42	54.00	13.58	350.0	V	224.0	0.3
8529.937500	43.05	---	74.00	30.95	350.0	V	219.0	0.3
15900.500000	---	42.84	54.00	11.16	400.0	V	42.0	8.2
15901.562500	46.67	---	74.00	27.33	150.0	V	52.0	8.2
17082.531250	---	44.08	54.00	9.92	150.0	V	107.0	10.5
17091.562500	48.46	---	74.00	25.54	250.0	V	140.0	10.5
17925.625000	49.31	---	74.00	24.69	200.0	V	25.0	11.9
17952.718750	---	45.62	54.00	8.38	150.0	V	0.0	11.9

Frequency: 802.11g 2462MHz



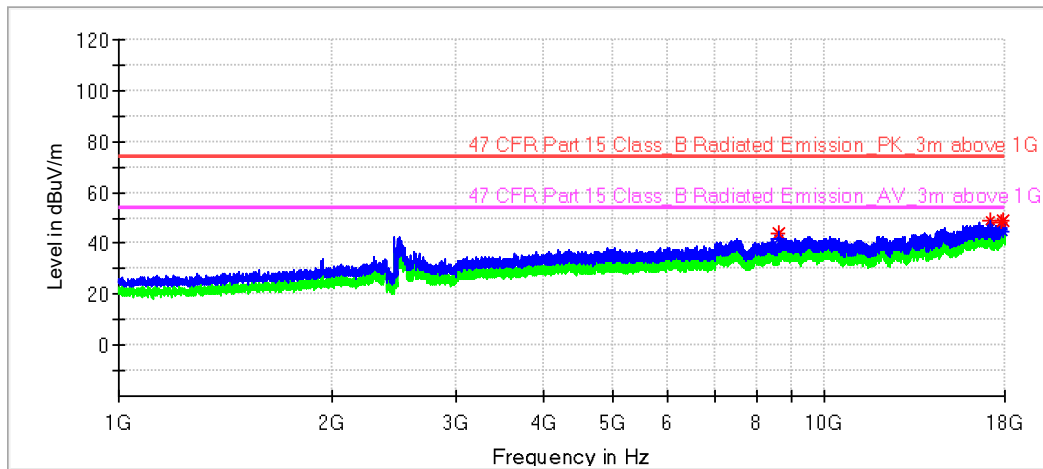
Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.250000	46.36	---	74.00	27.64	150.0	H	202.0	-11.8
2483.250000	---	38.49	54.00	15.51	150.0	H	202.0	-11.8
8617.062500	---	43.46	54.00	10.54	200.0	H	168.0	0.4
8617.593750	45.50	---	74.00	28.50	250.0	H	180.0	0.4
16747.312500	46.89	---	74.00	27.11	350.0	H	128.0	10.0
16766.968750	---	43.95	54.00	10.05	120.0	H	358.0	10.0
17105.375000	49.22	---	74.00	24.78	250.0	H	343.0	10.5
17856.562500	---	46.20	54.00	7.80	150.0	H	332.0	11.7
17970.781250	48.74	---	74.00	25.26	300.0	H	180.0	11.9
17987.250000	---	44.41	54.00	9.59	150.0	H	0.0	12.0



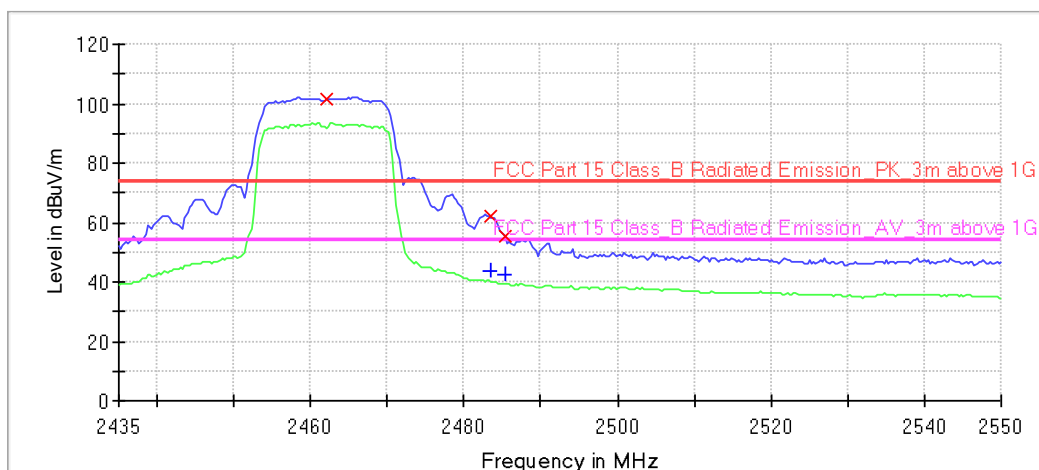
Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
2462.000000	97.3	---	300.0	H	241.0	-1.5	---	---	---	---
2483.500000	57.5	41.9	150.0	H	178.0	-1.5	16.5	74.0	12.1	54.0
2488.300000	51.2	38.4	350.0	H	193.0	-1.4	22.8	74.0	15.6	54.0



Limit and Margin

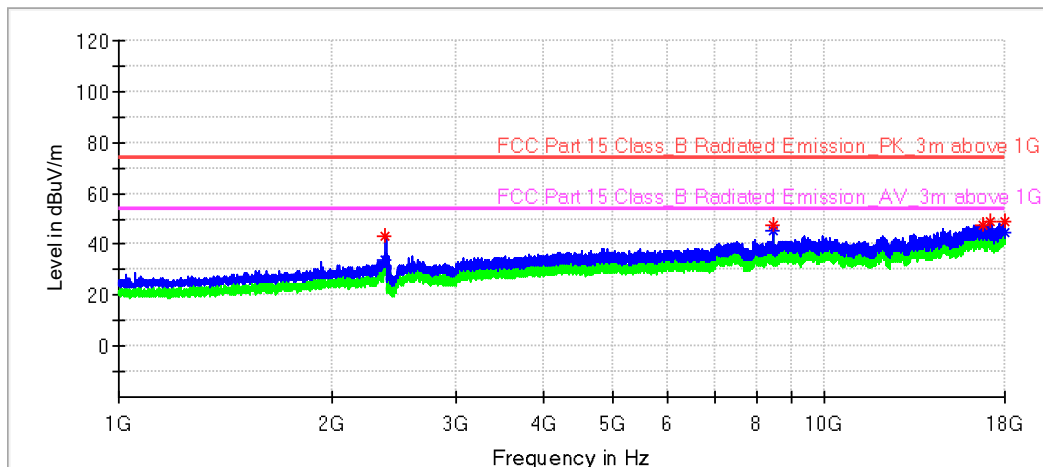
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8617.062500	---	41.86	54.00	12.14	250.0	V	97.0	0.4
8617.593750	43.91	---	74.00	30.09	200.0	V	92.0	0.4
17143.625000	48.93	---	74.00	25.07	200.0	V	48.0	10.6
17151.593750	---	46.16	54.00	7.84	250.0	V	344.0	10.6
17824.687500	---	45.22	54.00	8.78	300.0	V	296.0	11.6
17828.406250	48.48	---	74.00	25.52	360.0	V	206.0	11.6
17938.375000	---	44.94	54.00	9.06	150.0	V	167.0	11.9
17942.093750	48.96	---	74.00	25.04	150.0	V	194.0	11.9



Limit and Margin

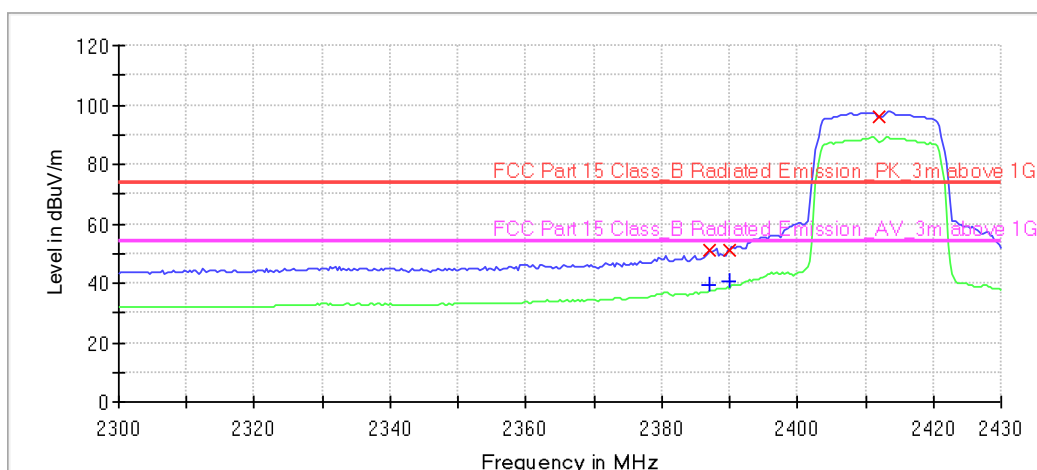
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
2462.000000	101.7	---	400.0	V	215.0	-1.5	---	---	---	---
2483.500000	62.1	43.9	150.0	V	143.0	-1.4	11.9	74.0	10.1	54.0
2485.300000	55.4	42.5	300.0	V	258.0	-1.4	18.6	74.0	11.5	54.0

Frequency: 802.11n20 2412MHz



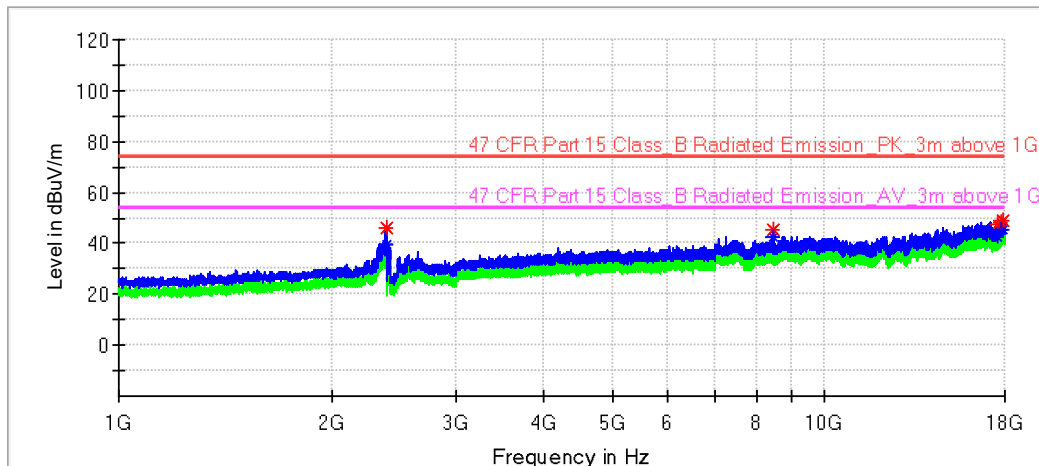
Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.218750	---	34.03	54.00	19.97	300.0	H	258.0	-12.3
2389.750000	43.16	---	74.00	30.84	150.0	H	336.0	-12.3
8442.281250	47.49	---	74.00	26.51	150.0	H	175.0	0.2
8442.281250	---	45.05	54.00	8.95	250.0	H	175.0	0.2
16778.125000	---	44.22	54.00	9.78	200.0	H	55.0	10.0
16793.000000	47.48	---	74.00	26.52	300.0	H	309.0	10.0
17106.968750	---	45.71	54.00	8.29	400.0	H	175.0	10.5
17147.875000	48.81	---	74.00	25.19	100.0	H	230.0	10.6
17977.156250	48.91	---	74.00	25.09	150.0	H	68.0	11.9
17986.718750	---	44.51	54.00	9.49	200.0	H	319.0	12.0



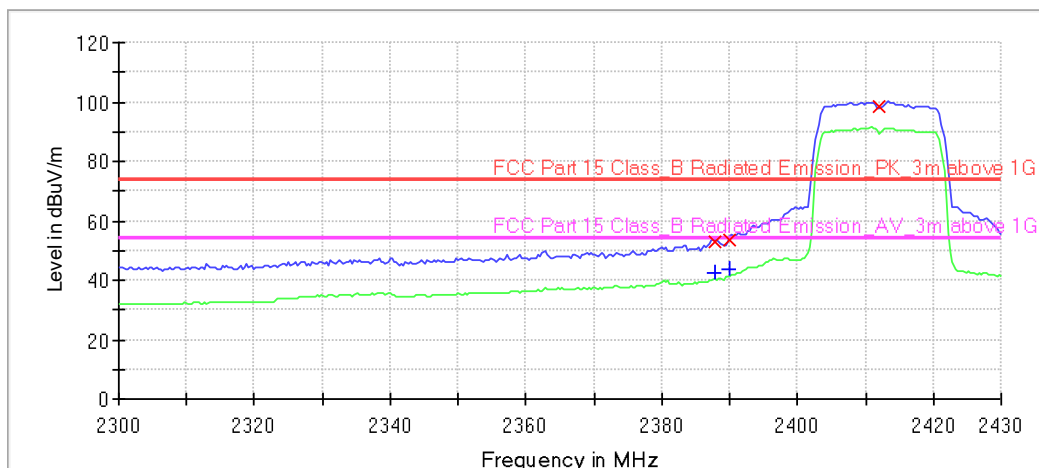
Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
2387.100000	51.3	39.6	250.0	H	234.0	-2.0	22.7	74.0	14.4	54.0
2390.000000	51.2	40.8	150.0	H	156.0	-2.0	22.8	74.0	13.2	54.0
2412.000000	95.9	---	200.0	H	278.0	-2.0	---	---	---	---



Limit and Margin

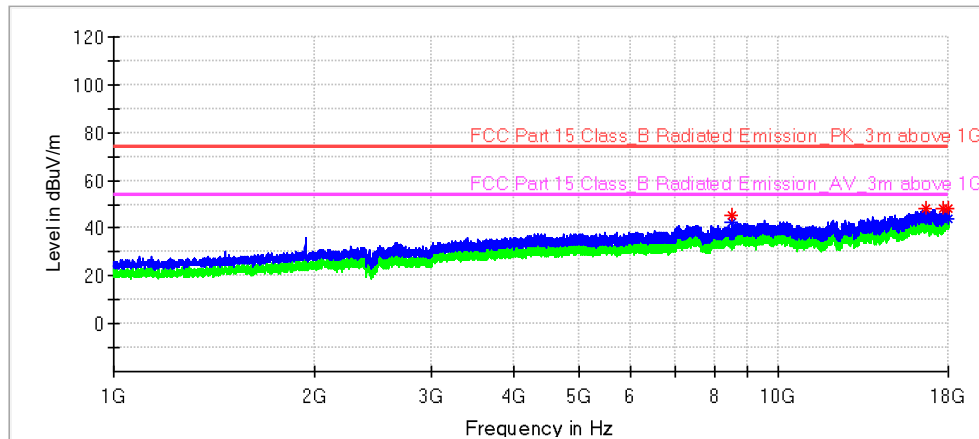
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.281250	45.88	---	74.00	28.12	300.0	V	158.0	-12.3
2390.281250	---	39.30	54.00	14.70	300.0	V	158.0	-12.3
8442.281250	45.11	---	74.00	28.89	250.0	V	130.0	0.2
8442.281250	---	42.32	54.00	11.68	200.0	V	130.0	0.2
17601.562500	47.67	---	74.00	26.33	210.0	V	108.0	11.2
17615.906250	---	42.71	54.00	11.29	150.0	V	30.0	11.2
17784.312500	---	45.35	54.00	8.65	220.0	V	296.0	11.5
17792.812500	48.39	---	74.00	25.61	100.0	V	356.0	11.6
17908.093750	---	45.28	54.00	8.72	150.0	V	7.0	11.8
17919.250000	49.18	---	74.00	24.82	150.0	V	108.0	11.8



Limit and Margin

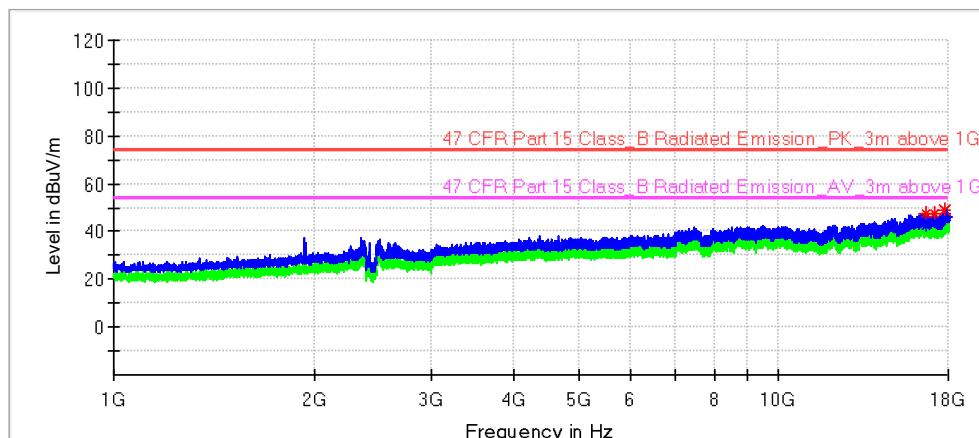
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
2387.800000	53.1	42.6	250.0	V	214.0	-2.0	20.9	74.0	11.4	54.0
2390.000000	53.8	43.9	150.0	V	256.0	-2.0	20.2	74.0	10.1	54.0
2412.000000	98.5	---	300.0	V	183.0	-1.9	---	---	---	---

Frequency: 802.11n20 2437MHz



Limit and Margin

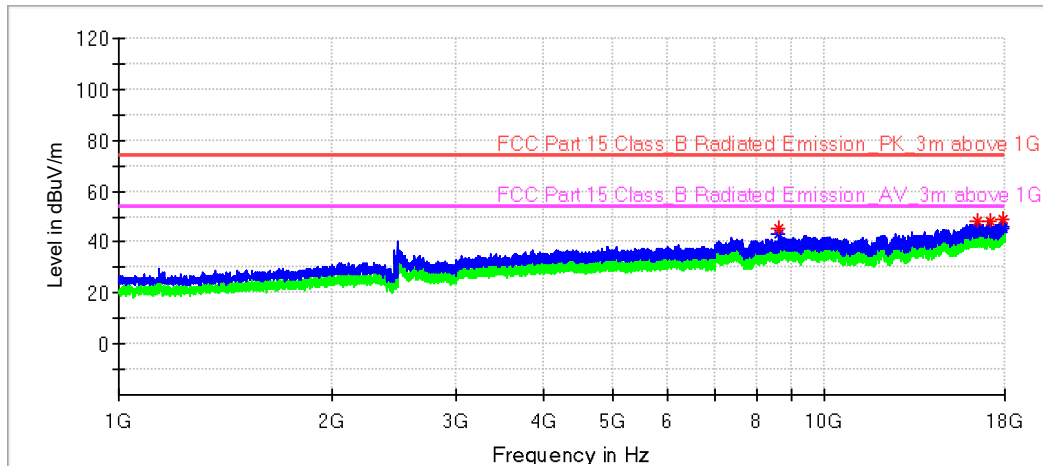
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8529.406250	45.67	---	74.00	28.33	250.0	H	171.0	0.3
8529.406250	---	42.78	54.00	11.22	300.0	H	171.0	0.3
16633.625000	48.10	---	74.00	25.90	150.0	H	73.0	9.9
16681.437500	---	43.94	54.00	10.06	250.0	H	205.0	10.0
17703.562500	---	43.71	54.00	10.29	220.0	H	336.0	11.4
17714.187500	48.17	---	74.00	25.83	150.0	H	291.0	11.4
17964.937500	48.34	---	74.00	25.66	100.0	H	182.0	11.9
17967.593750	---	44.19	54.00	9.81	100.0	H	336.0	11.9



Limit and Margin

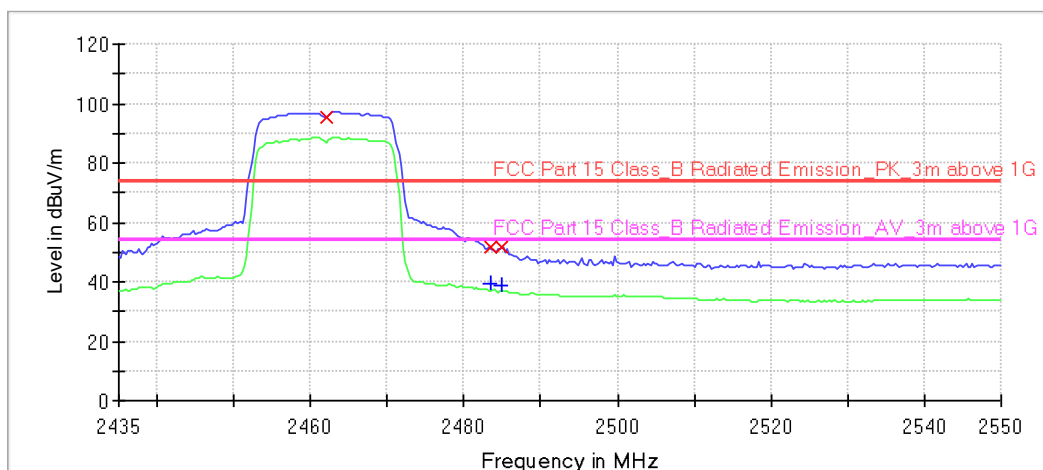
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
16687.281250	---	42.64	54.00	11.36	350.0	V	148.0	10.0
16693.656250	47.68	---	74.00	26.32	350.0	V	170.0	10.0
17136.187500	47.61	---	74.00	26.39	250.0	V	65.0	10.6
17138.312500	---	44.50	54.00	9.50	200.0	V	4.0	10.6
17824.687500	48.82	---	74.00	25.18	150.0	V	37.0	11.6
17838.500000	---	45.11	54.00	8.89	220.0	V	20.0	11.6
17903.312500	---	45.98	54.00	8.02	150.0	V	330.0	11.8

Frequency: 802.11n20 2462MHz



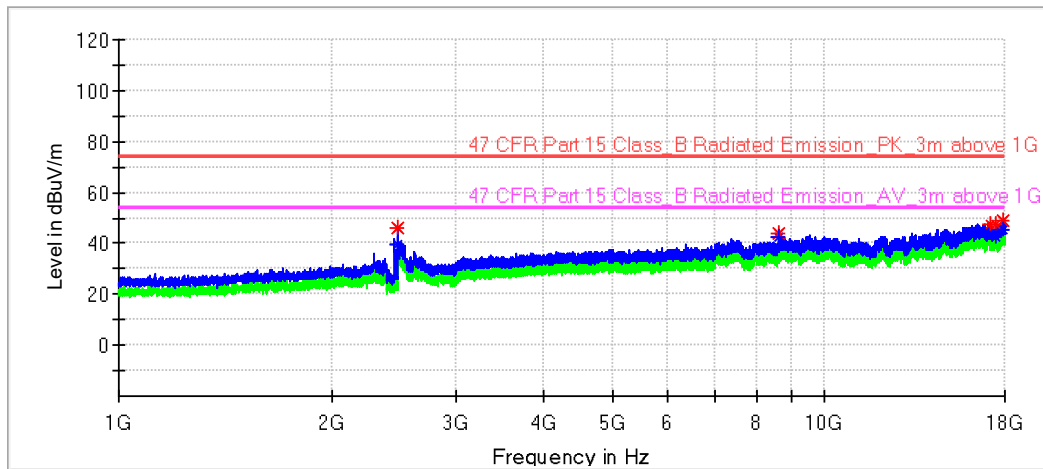
Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8617.062500	45.63	---	74.00	28.37	150.0	H	180.0	0.4
8617.062500	---	43.44	54.00	10.56	400.0	H	180.0	0.4
16418.468750	48.19	---	74.00	25.81	250.0	H	197.0	9.4
16423.250000	---	43.82	54.00	10.18	300.0	H	292.0	9.4
17150.000000	---	44.29	54.00	9.71	320.0	H	353.0	10.6
17163.281250	48.05	---	74.00	25.95	150.0	H	237.0	10.6
17899.593750	49.06	---	74.00	24.94	210.0	H	37.0	11.8
17904.906250	---	45.58	54.00	8.42	220.0	H	55.0	11.8
17928.281250	---	45.73	54.00	8.27	150.0	H	100.0	11.9



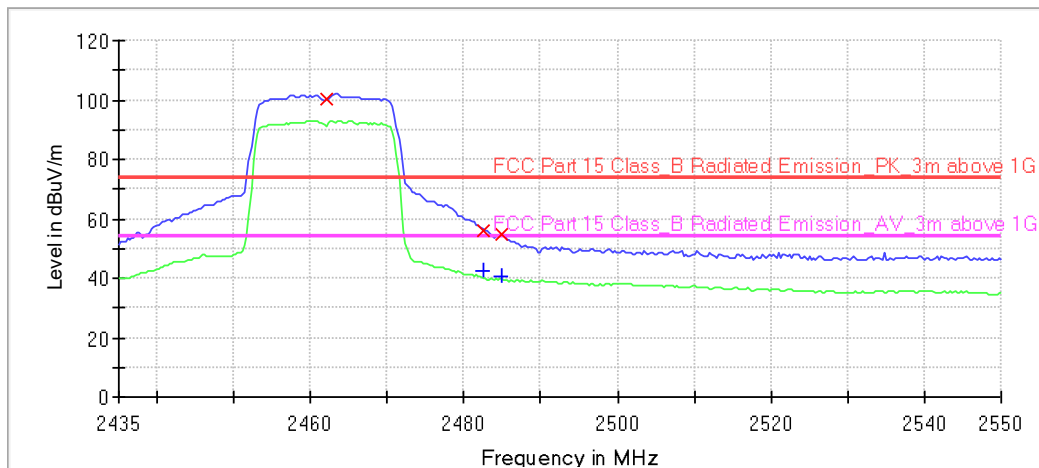
Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
2462.000000	95.6	---	300.0	H	142.0	-1.5	---	---	---	---
2483.500000	51.5	39.5	250.0	H	235.0	-1.5	22.5	74.0	14.5	54.0
2485.000000	51.5	38.9	100.0	H	178.0	-1.4	22.5	74.0	15.1	54.0



Limit and Margin

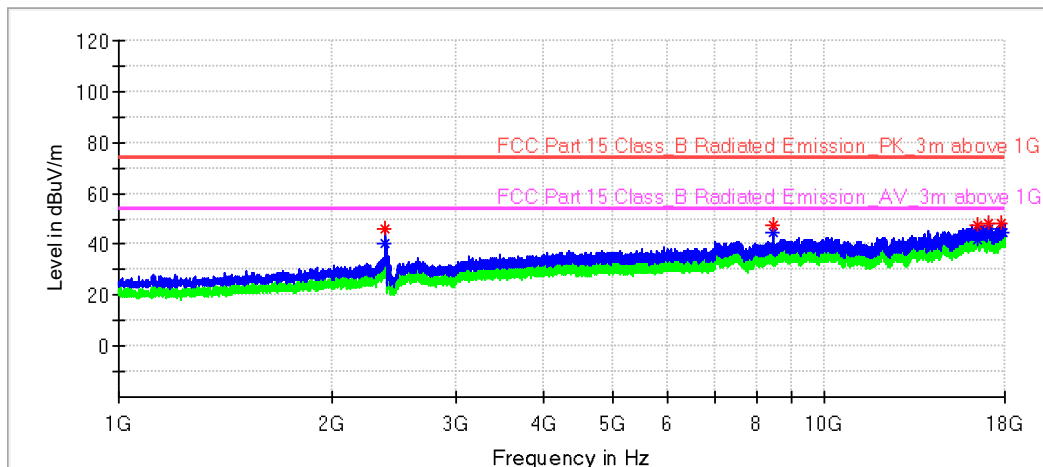
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.843750	---	39.66	54.00	14.34	150.0	V	125.0	-11.8
2484.843750	46.04	---	74.00	27.96	400.0	V	125.0	-11.8
8617.062500	---	42.11	54.00	11.89	310.0	V	91.0	0.4
8617.062500	43.67	---	74.00	30.33	250.0	V	91.0	0.4
17145.218750	47.76	---	74.00	26.24	250.0	V	181.0	10.6
17150.531250	---	44.23	54.00	9.77	220.0	V	31.0	10.6
17459.718750	47.46	---	74.00	26.54	210.0	V	142.0	11.0
17479.375000	---	42.18	54.00	11.82	150.0	V	4.0	11.1
17859.750000	48.78	---	74.00	25.22	100.0	V	136.0	11.7
17932.531250	---	45.18	54.00	8.82	150.0	V	238.0	11.9



Limit and Margin

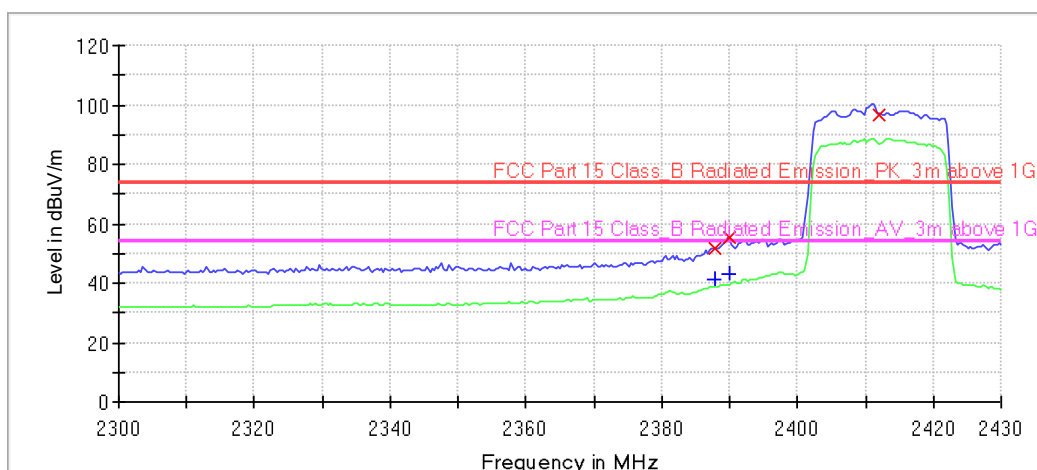
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
2462.000000	100.4	---	200.0	V	145.0	-1.5	---	---	---	---
2482.600000	55.8	42.5	350.0	V	239.0	-1.5	18.2	74.0	11.5	54.0
2485.000000	54.9	40.5	150.0	V	178.0	-1.4	19.1	74.0	13.5	54.0

Frequency: 802.11 ax20 2412MHz



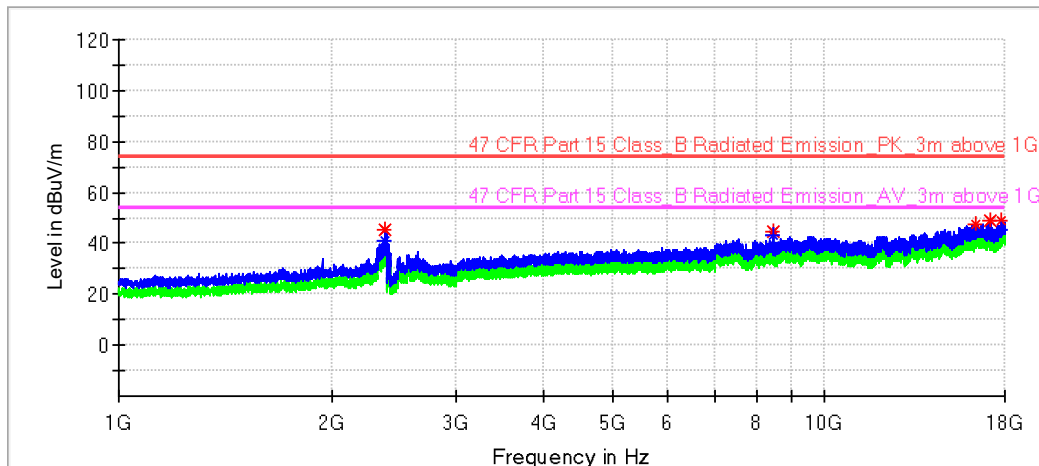
Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.750000	46.12	---	74.00	27.88	250.0	H	168.0	-12.3
2389.750000	---	40.61	54.00	13.39	400.0	H	168.0	-12.3
8442.281250	---	44.82	54.00	9.18	150.0	H	173.0	0.2
8442.281250	47.40	---	74.00	26.60	150.0	H	173.0	0.2
16493.906250	47.83	---	74.00	26.17	200.0	H	251.0	9.5
16497.093750	---	41.60	74.00	32.40	310.0	H	246.0	9.6
17106.968750	---	45.78	54.00	8.22	250.0	H	0.0	10.5
17106.968750	47.99	---	74.00	26.01	100.0	H	0.0	10.5
17835.312500	48.17	---	74.00	25.83	220.0	H	357.0	11.6
17844.343750	---	44.29	74.00	29.71	150.0	H	280.0	11.6



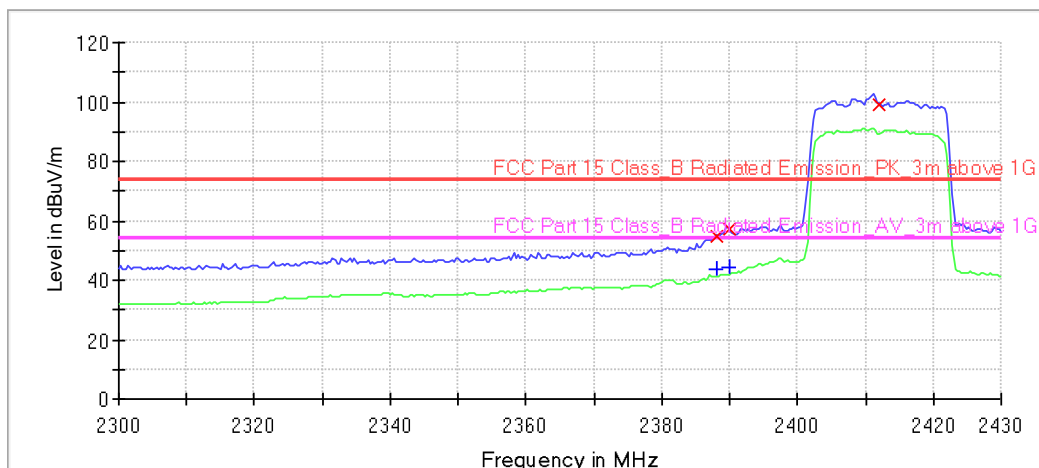
Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
2387.800000	51.8	41.4	300.0	H	178.0	-2.0	22.2	74.0	12.6	54.0
2390.000000	55.2	43.2	250.0	H	141.0	-2.0	18.8	74.0	10.8	54.0
2412.000000	96.6	---	150.0	H	294.0	-1.9	---	---	---	---



Limit and Margin

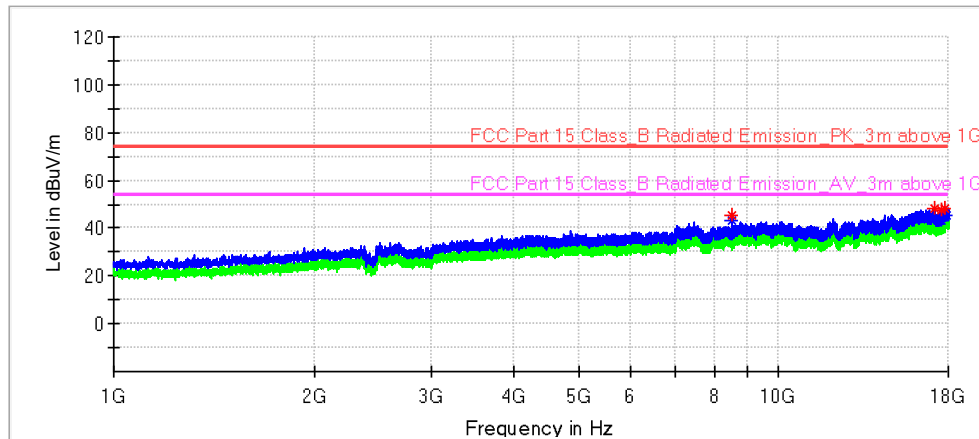
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.218750	45.30	---	74.00	28.70	300.0	V	343.0	-12.3
2389.750000	---	40.95	54.00	13.05	250.0	V	118.0	-12.3
8442.281250	---	42.93	54.00	11.07	200.0	V	220.0	0.2
8442.281250	44.87	---	74.00	29.13	150.0	V	220.0	0.2
16404.125000	---	44.62	54.00	9.38	150.0	V	264.0	9.3
16411.562500	47.78	---	74.00	26.22	100.0	V	181.0	9.4
17154.250000	48.94	---	74.00	25.06	40.0	V	170.0	10.6
17161.156250	---	43.25	54.00	10.75	350.0	V	30.0	10.6
17762.531250	---	45.52	54.00	8.48	150.0	V	63.0	11.5
17762.531250	48.77	---	74.00	25.23	220.0	V	63.0	11.5



Limit and Margin

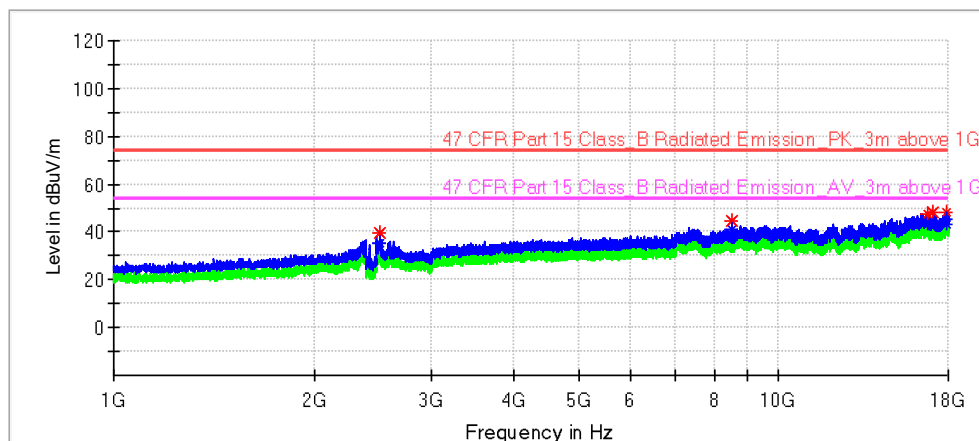
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
2299.900000	45.9	34.2	150.0	V	0.0	-2.4	28.1	74.0	19.9	54.0
2388.100000	54.6	43.9	250.0	V	128.0	-2.0	19.5	74.0	10.1	54.0
2390.000000	57.4	44.6	300.0	V	153.0	-2.0	16.6	74.0	9.4	54.0
2412.000000	98.9	---	100.0	V	317.0	-2.0	---	---	---	---

Frequency: 802.11 ax20 2437MHz



Limit and Margin

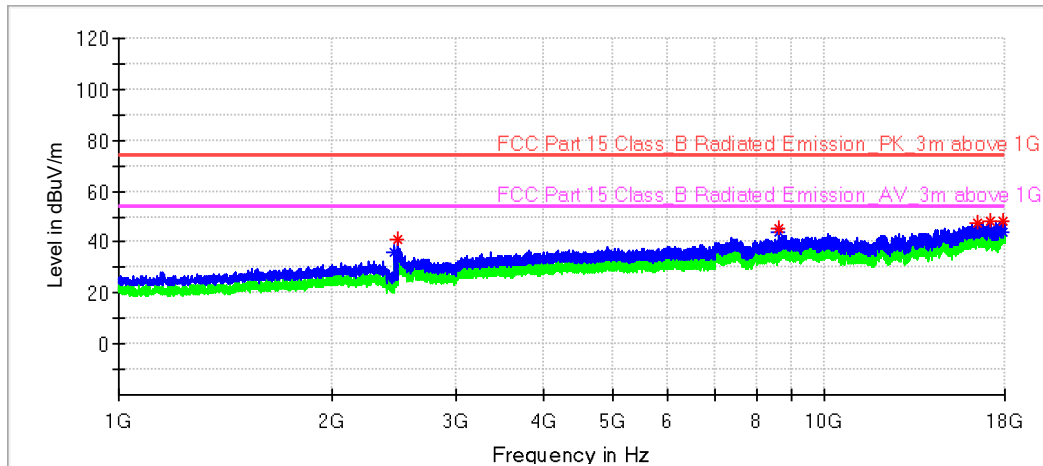
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8529.406250	---	43.25	54.00	10.75	250.0	H	178.0	0.3
8529.406250	45.69	---	74.00	28.31	300.0	H	178.0	0.3
17121.843750	---	43.89	54.00	10.11	100.0	H	321.0	10.6
17122.906250	48.20	---	74.00	25.80	250.0	H	4.0	10.6
17607.937500	47.82	---	74.00	26.18	200.0	H	172.0	11.2
17614.312500	---	42.96	54.00	11.04	150.0	H	326.0	11.2
17835.312500	48.28	---	74.00	25.72	300.0	H	343.0	11.6
17899.593750	---	45.17	54.00	8.83	350.0	H	253.0	11.8



Limit and Margin

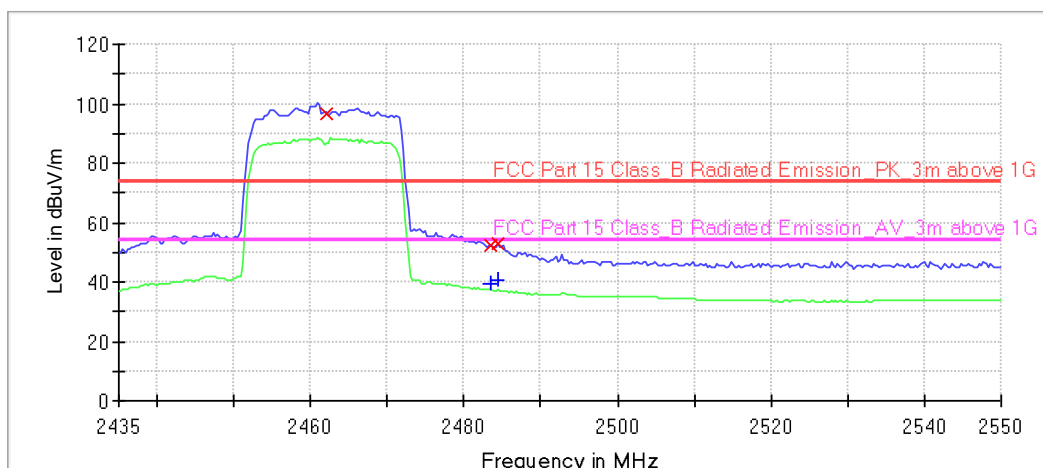
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2513.000000	39.28	---	74.00	34.72	300.0	V	127.0	-11.7
2513.000000	---	35.17	54.00	18.83	250.0	V	127.0	-11.7
8529.406250	---	41.36	54.00	12.64	400.0	V	94.0	0.3
8529.406250	44.37	---	74.00	29.63	150.0	V	94.0	0.3
16741.468750	47.15	---	74.00	26.85	15.0	V	18.0	10.0
16747.843750	---	43.49	54.00	10.51	200.0	V	178.0	10.0
17084.656250	48.14	---	74.00	25.86	250.0	V	63.0	10.5
17098.468750	---	44.46	54.00	9.54	100.0	V	144.0	10.5
17843.812500	47.96	---	74.00	26.04	200.0	V	281.0	11.6
17845.406250	---	43.31	54.00	10.69	150.0	V	299.0	11.6

Frequency: 802.11 ax20 2462MHz



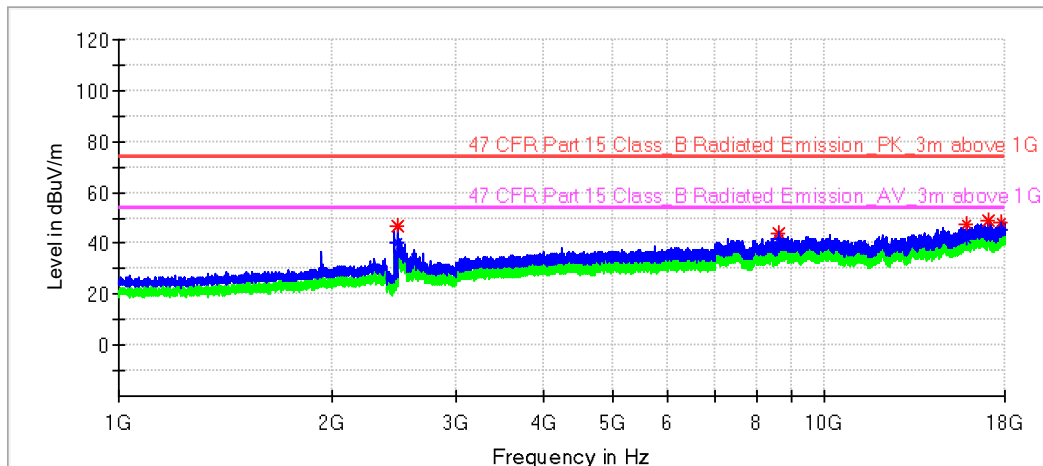
Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2458.812500	---	36.21	54.00	17.79	255.0	H	254.0	-11.9
2485.906250	41.30	---	74.00	32.70	200.0	H	137.0	-11.8
8617.062500	---	43.58	54.00	10.42	150.0	H	172.0	0.4
8617.062500	45.50	---	74.00	28.50	300.0	H	172.0	0.4
16487.531250	---	43.57	54.00	10.43	150.0	H	220.0	9.5
16496.562500	47.37	---	74.00	26.63	150.0	H	125.0	9.6
17135.656250	48.11	---	74.00	25.89	200.0	H	108.0	10.6
17150.531250	---	44.42	54.00	9.58	100.0	H	172.0	10.6
17841.687500	48.05	---	74.00	25.95	100.0	H	348.0	11.6
17900.656250	---	43.56	54.00	10.44	400.0	H	265.0	11.8



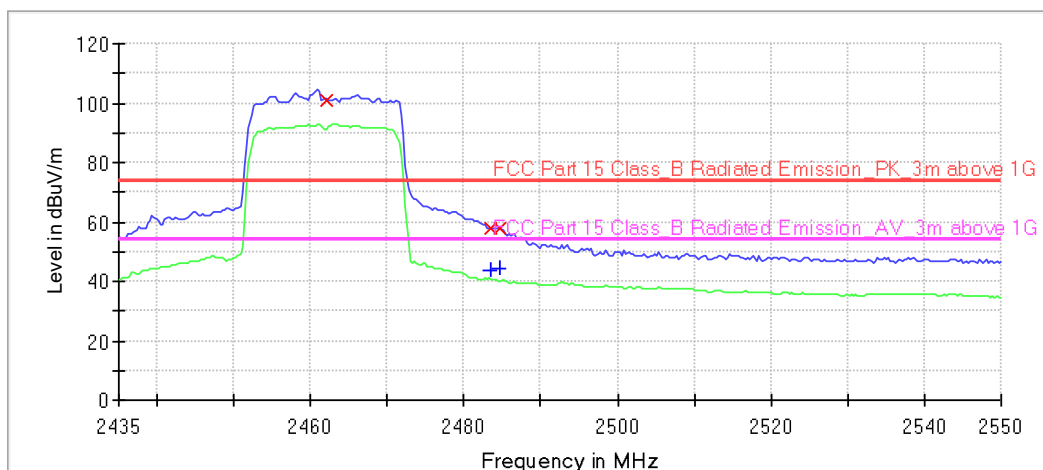
Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
2462.000000	96.5	---	330.0	H	294.0	-1.5	---	---	---	---
2483.500000	52.3	39.6	250.0	H	172.0	-1.5	21.7	74.0	14.4	54.0
2484.400000	52.9	40.8	200.0	H	324.0	-1.4	21.1	74.0	13.2	54.0



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.312500	46.75	---	74.00	27.25	250.0	V	122.0	-11.8
2484.312500	---	40.49	54.00	13.51	200.0	V	122.0	-11.8
6588.750000	---	34.86	54.00	19.14	150.0	V	116.0	-1.3
8617.062500	43.92	---	74.00	30.08	150.0	V	128.0	0.4
8617.062500	---	41.83	54.00	12.17	200.0	V	128.0	0.4
15870.218750	47.14	---	74.00	26.86	100.0	V	134.0	8.1
15874.468750	---	41.54	54.00	12.46	300.0	V	337.0	8.2
17076.156250	---	44.93	54.00	9.07	150.0	V	72.0	10.5
17096.343750	48.59	---	74.00	25.41	250.0	V	179.0	10.5
17809.812500	47.97	---	74.00	26.03	360.0	V	100.0	11.6
17818.312500	---	45.11	54.00	8.89	150.0	V	89.0	11.6

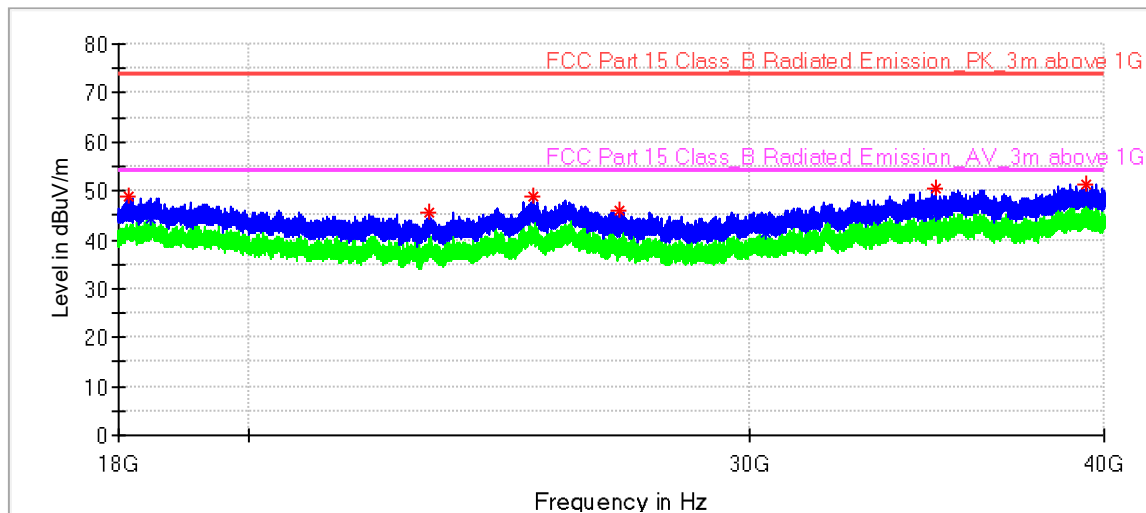


Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AVG (dB)	Limit - AVG (dBuV/m)
2462.000000	101.2	---	300.0	V	177.0	-1.5	---	---	---	---
2483.500000	57.7	43.4	250.0	V	237.0	-1.5	16.3	74.0	10.6	54.0
2484.700000	58.1	44.1	150.0	V	258.0	-1.4	15.9	74.0	9.9	54.0

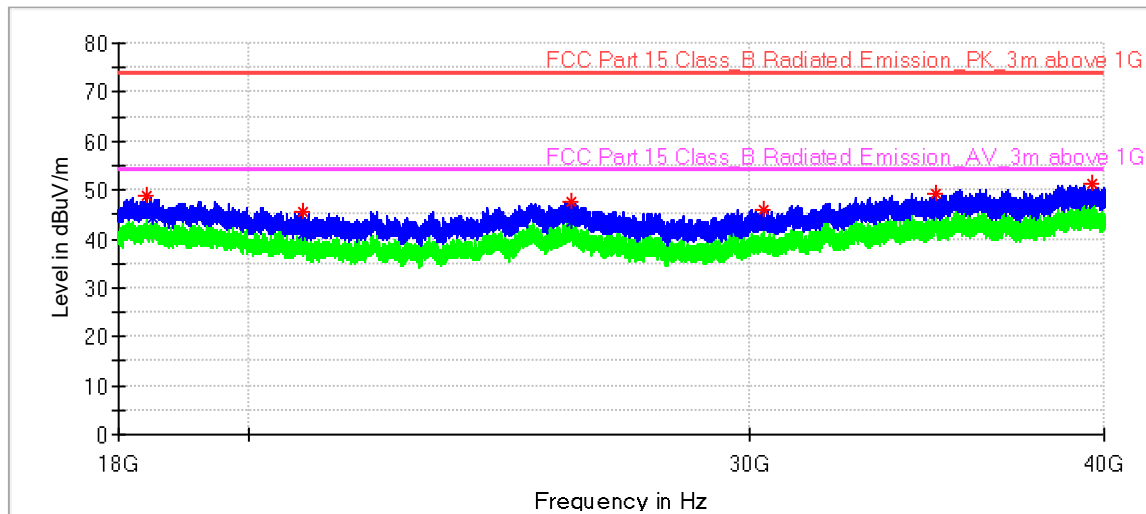
The worst case of Radiated Emission Above 18GHz

Frequency: 802.11g 2462MHz



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18152.625000	48.79	---	74.00	25.21	100.0	H	277.0	8.1
18470.937500	---	44.24	54.00	9.76	100.0	H	238.0	8.1
20827.687500	---	41.94	54.00	12.06	100.0	H	359.0	8.5
23159.687500	45.44	---	74.00	28.56	100.0	H	46.0	8.9
25121.812500	---	44.42	54.00	9.58	100.0	H	12.0	9.1
25191.250000	48.69	---	74.00	25.31	100.0	H	142.0	9.2
27015.875000	45.95	---	74.00	28.05	100.0	H	92.0	9.1
30414.875000	---	41.63	54.00	12.37	100.0	H	277.0	10.2
34900.125000	50.33	---	74.00	23.67	100.0	H	301.0	12.3
34926.937500	---	44.99	54.00	9.01	100.0	H	118.0	12.3
39388.125000	51.43	---	74.00	22.57	100.0	H	26.0	13.6
39800.625000	---	47.59	54.00	6.41	100.0	H	124.0	13.8



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18406.312500	48.95	---	74.00	25.05	100.0	V	1.0	8.1
18496.375000	---	44.34	54.00	9.66	100.0	V	51.0	8.1
20886.812500	45.60	---	74.00	28.40	100.0	V	235.0	8.5
20886.812500	---	41.23	54.00	12.77	100.0	V	235.0	8.5
25968.812500	---	43.62	54.00	10.38	100.0	V	247.0	9.7
25992.875000	47.68	---	74.00	26.32	100.0	V	91.0	9.7
29580.937500	---	41.77	54.00	12.23	100.0	V	79.0	9.9
30372.937500	46.11	---	74.00	27.89	100.0	V	308.0	10.2
34819.687500	---	45.26	54.00	8.74	100.0	V	4.0	12.2
34889.125000	49.43	---	74.00	24.57	100.0	V	79.0	12.2
38876.625000	---	47.11	54.00	6.89	100.0	V	79.0	13.4
39615.687500	51.10	---	74.00	22.90	100.0	V	51.0	13.8

Remark:

- (1) Emission level= Original Receiver Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss -Amplifier gain
- (3) Margin = limit – Corrected Reading



11 Test Equipment List

List of Test Instruments
Test Site1

	DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DATE	CAL. DUE DATE
C	Signal spectrum analyzer	Agilent	N9020B	MY59050168	2026-2-24	2027-2-23
	RF automatic control unit	MWRFTest	MW100-RFCB	MW211122-28	2025-10-9	2026-10-8
	RF_Cable	UCWAVE ELECTRONIC	UCA500-NJWSM-1.5M	---	2025-8-1	2026-7-31
	Wideband power sensor	Rohde & Schwarz	NRP-Z81	105903	2026-2-24	2027-2-23
	10dB Attenuator	Aeroflex Weinschel	CG-4689	93459	2026-2-24	2027-2-23
RE	EMI Test Receiver	Rohde & Schwarz	ESR3	101906	2025-8-1	2026-7-31
	Signal Analyzer	Rohde & Schwarz	FSV40	101091	2025-8-1	2026-7-31
	Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9168	961	2026-6-25	2027-6-24
	Double-ridged waveguide horn antenna	Rohde & Schwarz	HF907	102393	2026-4-14	2027-4-13
	Pre-amplifier	Shenzhen HzEMC	HPA-081843	HYP A23026	2026-4-14	2027-4-13
	Loop antenna	Rohde & Schwarz	HFH2-Z2	100443	2026-6-25	2027-6-24
	Double Ridged Horn Antenna	ETS-Lindgren	3116C	00222727	2026-6-25	2027-6-24
	RE_Cable_01 Coaxial Cable	JUNFLON	MWX221	1906S057	2025-8-1	2026-7-31
	RE_Cable_02 Coaxial Cable	HUBER+SUHNER	RG214	1358176	2025-8-1	2026-7-31
	RE_Cable_03 Coaxial Cable	JUNFLON	MWX221	J12J102482	2025-8-1	2026-7-31
	RE_Cable_04 Coaxial Cable	PASTERNAK	PE360	2233	2025-8-1	2026-7-31
	3m Semi-anechoic chamber	TDK	9X6X6	----	2024-5-8	2027-5-7

Measurement Software Information			
Test Item	Software	Manufacturer	Version
C	MTS 8310	MWRFTest	3.0.0.0
	Power Viewer	Rohde & Schwarz	V 11.0
RE	EMC 32	Rohde & Schwarz	V10.50.40

C - Conducted RF tests

- Conducted peak output power
- 6dB bandwidth and 99% Occupied Bandwidth
- Power spectral density*
- Spurious RF conducted emissions
- Band edge



12 System Measurement Uncertainty

For a 95% confidence level, the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 were:

Items	Extended Uncertainty
Conducted Disturbance at Mains Terminals	150kHz to 30MHz, LISN, 3.16dB
Radiated Disturbance	9kHz to 30MHz, 3.52dB 30MHz to 1GHz, 5.03dB (Horizontal) 5.12dB (Vertical) 1GHz to 18GHz, 5.49dB 18GHz to 40GHz, 5.63dB
RF Conducted Measurement	Power related: 1.16dB Frequency related: 6.00×10^{-8}

Measurement Uncertainty Decision Rule:

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115: 2023, clause 4.3.3.



13 Photographs of Test Set-ups

Refer to the < Test Setup photos >.



14 Photographs of EUT

Refer to the < External Photos > & < Internal Photos >.

-----End of Test Report-----