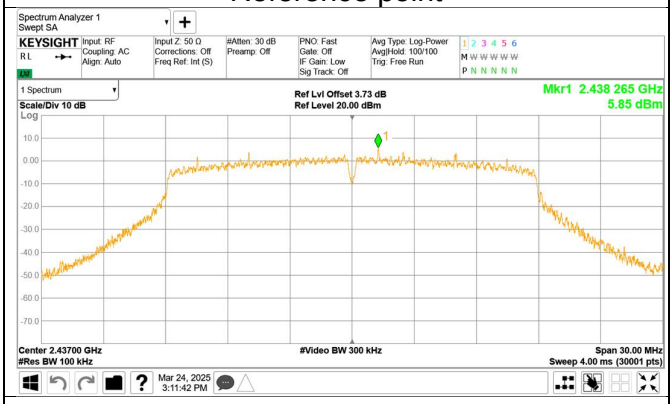
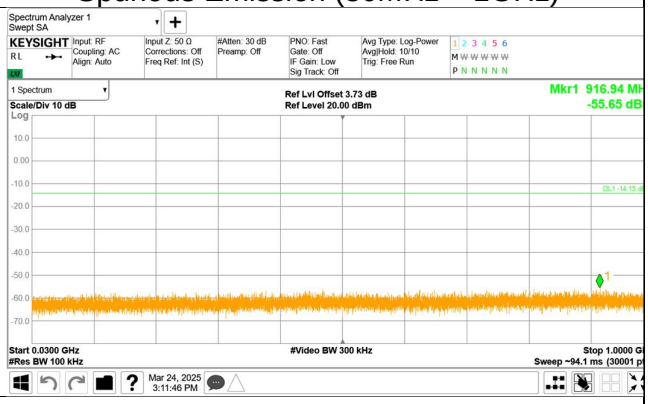
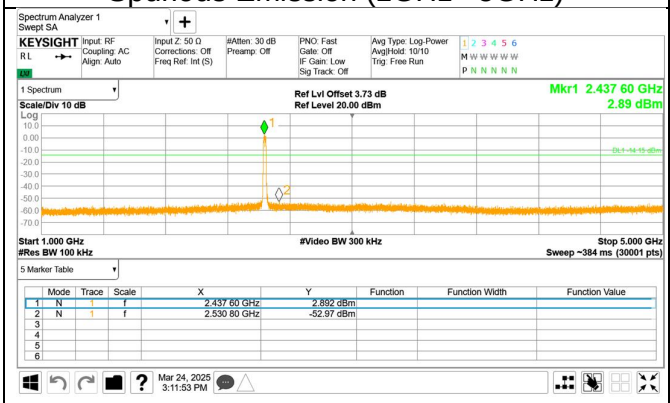
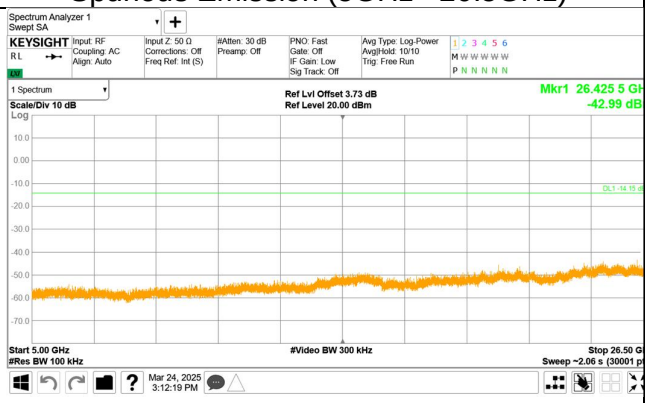
Out-of-Band Emissions	
Channel 6 (2437MHz)	
Reference point	Spurious Emission (30MHz – 1GHz)
	
Spurious Emission (1GHz –5GHz)	Spurious Emission (5GHz –26.5GHz)
	

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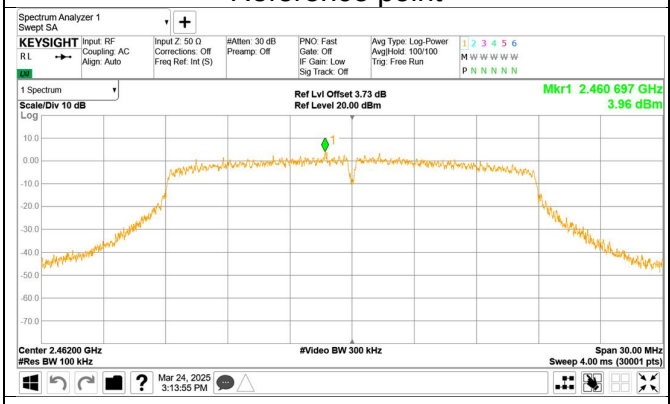
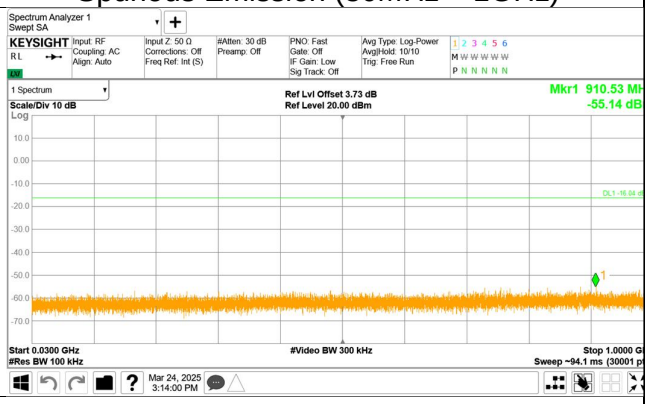
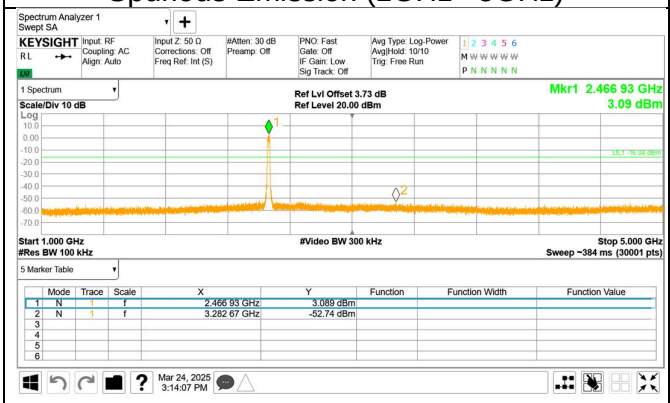
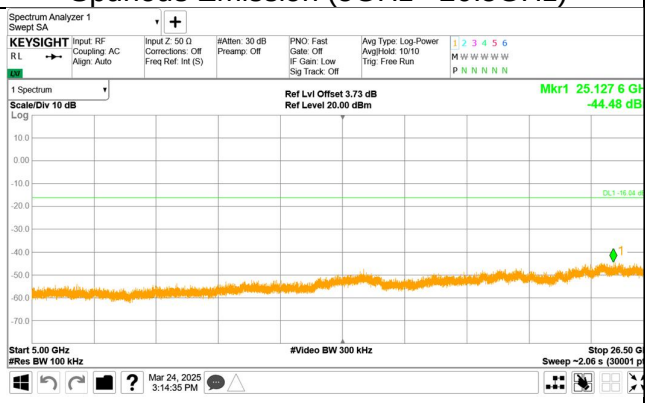
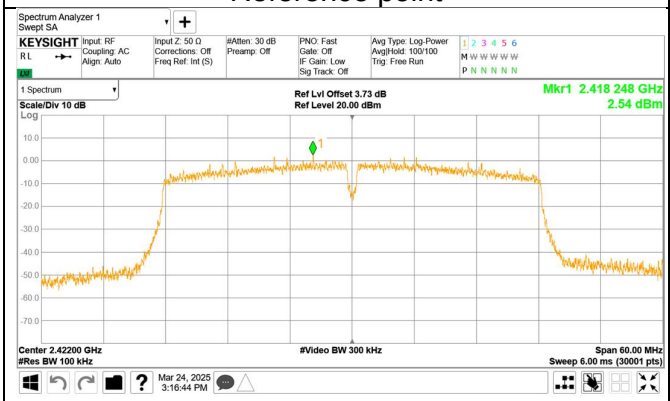
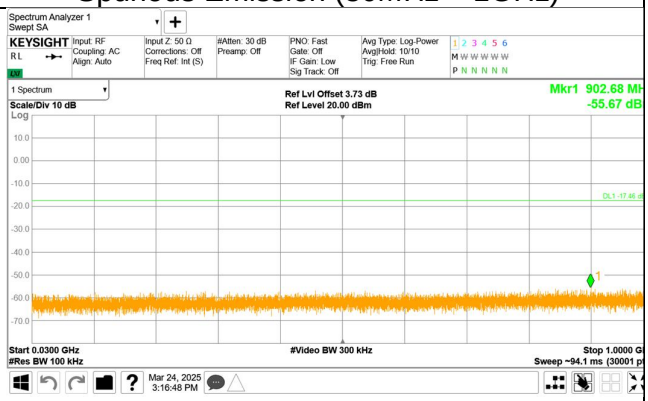
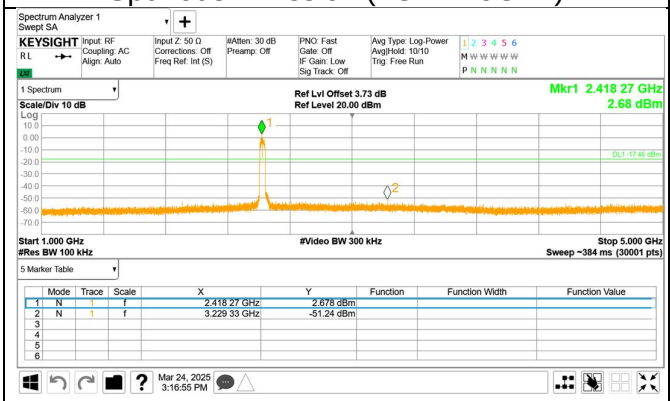
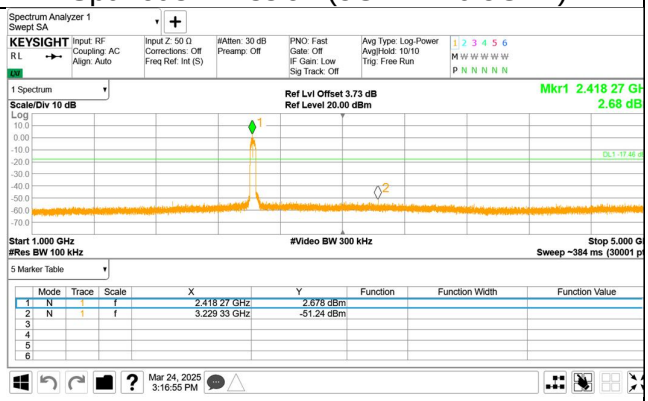
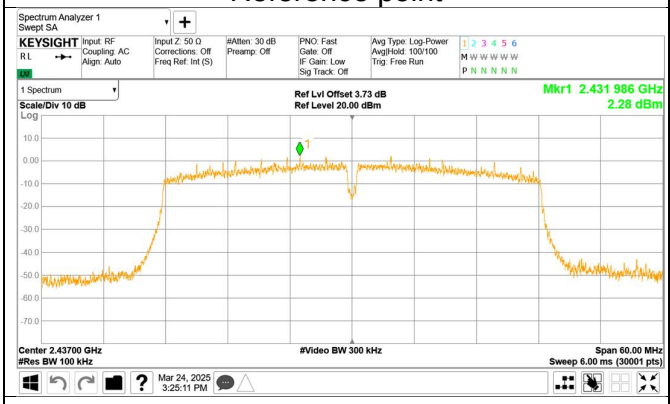
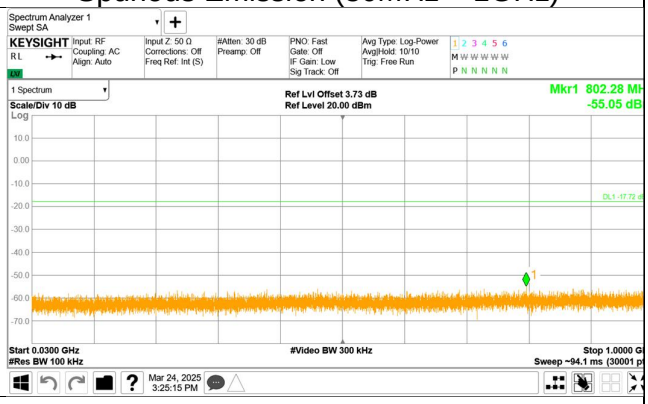
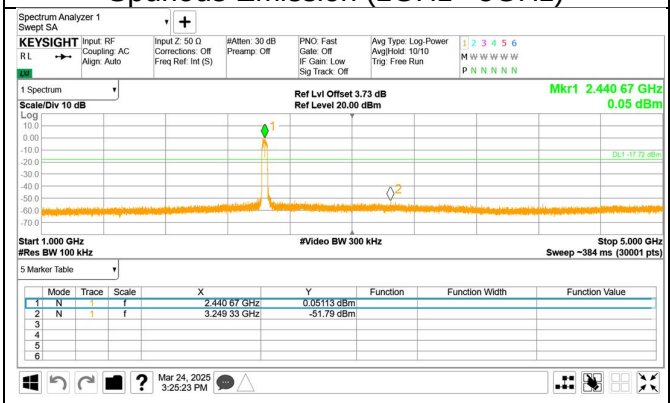
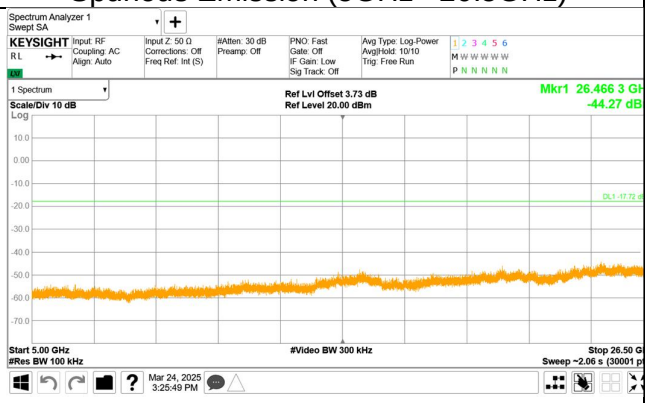
Out-of-Band Emissions	
Channel 11 (2462MHz)	
Reference point	Spurious Emission (30MHz – 1GHz)
	
Spurious Emission (1GHz –5GHz)	Spurious Emission (5GHz –26.5GHz)
	

802.11 N HT40

Out-of-Band Emissions	
Channel 3 (2422MHz)	
Reference point	Spurious Emission (30MHz – 1GHz)
	
Spurious Emission (1GHz –5GHz)	Spurious Emission (5GHz –26.5GHz)
	

Out-of-Band Emissions	
Channel 6 (2437MHz)	
Reference point	Spurious Emission (30MHz – 1GHz)
	
Spurious Emission (1GHz –5GHz)	Spurious Emission (5GHz –26.5GHz)
	

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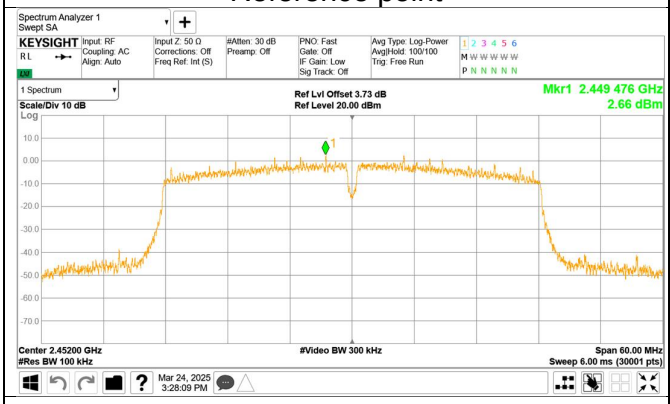
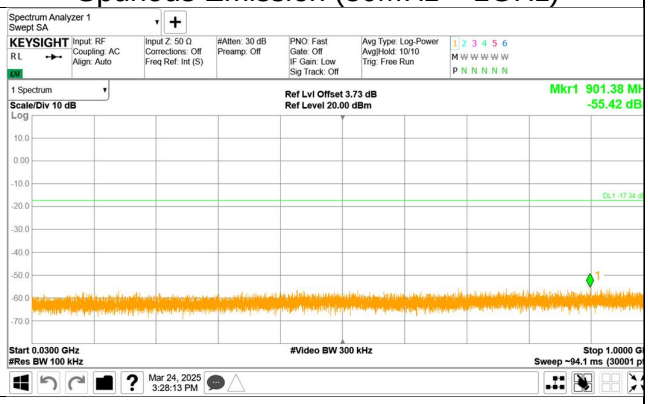
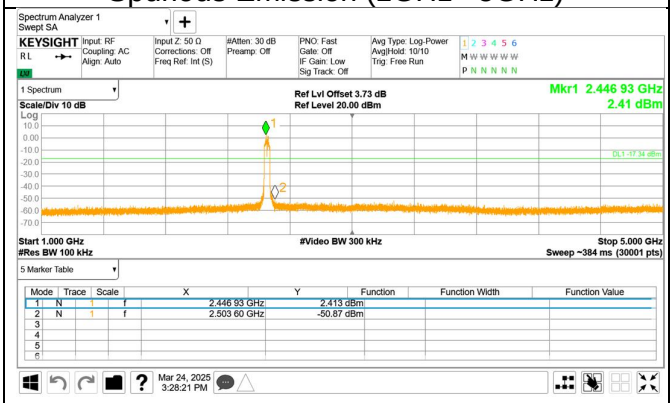
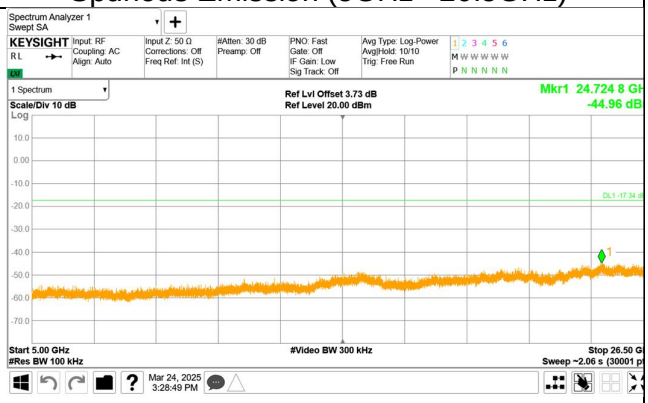
Out-of-Band Emissions	
Channel 9 (2452MHz)	
Reference point	Spurious Emission (30MHz – 1GHz)
	
Spurious Emission (1GHz –5GHz)	Spurious Emission (5GHz –26.5GHz)
	

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≥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) and RSS-247 section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB.

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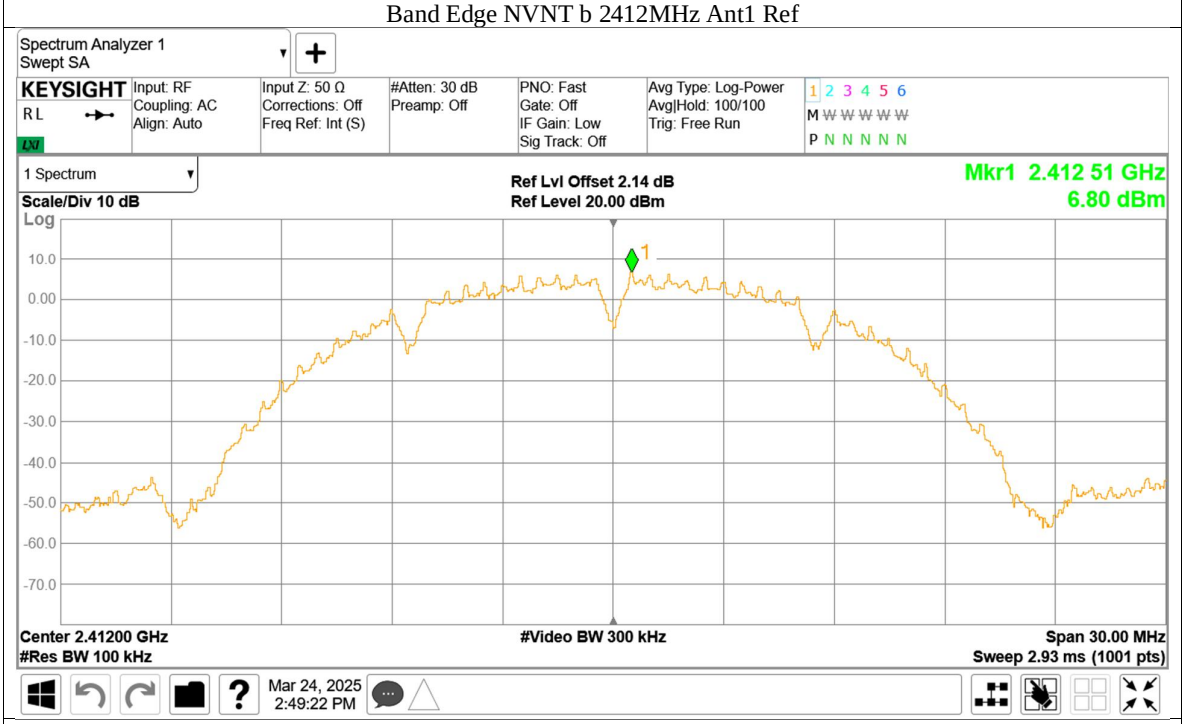
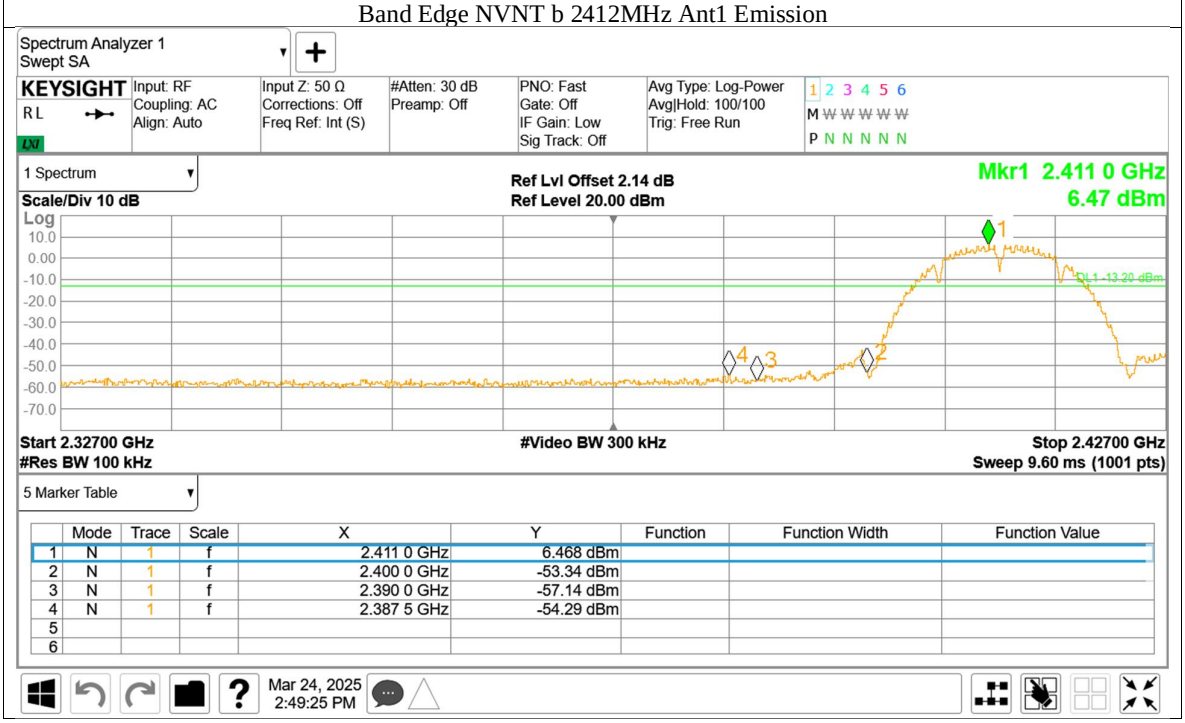
Test result

Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission



	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.411 0 GHz	6.468 dBm			
2	N	1	f	2.400 0 GHz	-53.34 dBm			
3	N	1	f	2.390 0 GHz	-57.14 dBm			
4	N	1	f	2.387 5 GHz	-54.29 dBm			
5								
6								

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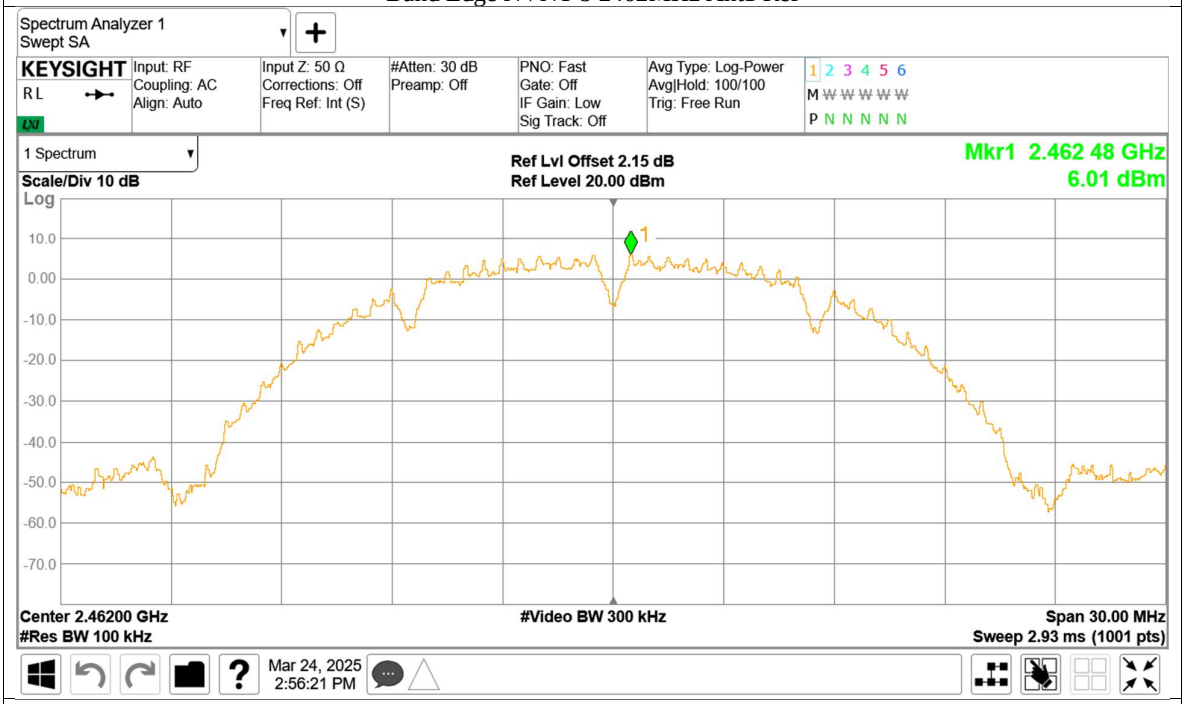
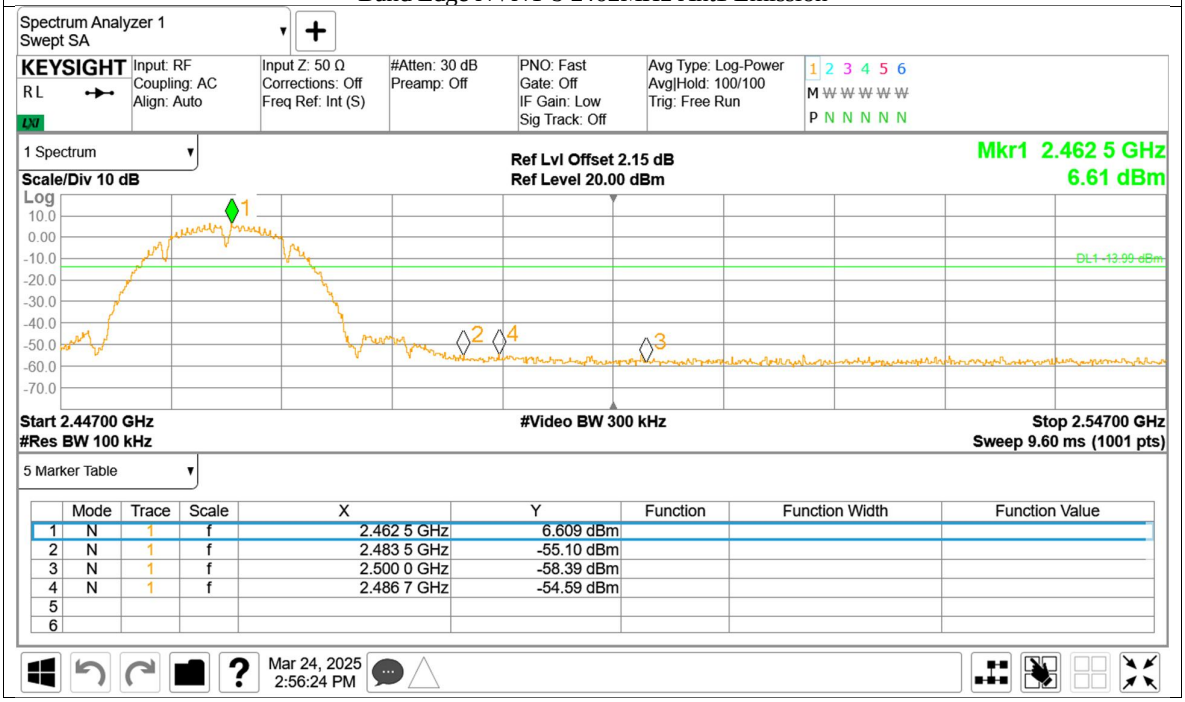
Band Edge NVNT b 2462MHz Ant1 Ref



Band Edge NVNT b 2462MHz Ant1 Emission



	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.462 5 GHz	6.609 dBm			
2	N	1	f	2.483 5 GHz	-55.10 dBm			
3	N	1	f	2.500 0 GHz	-58.39 dBm			
4	N	1	f	2.486 7 GHz	-54.59 dBm			
5								
6								

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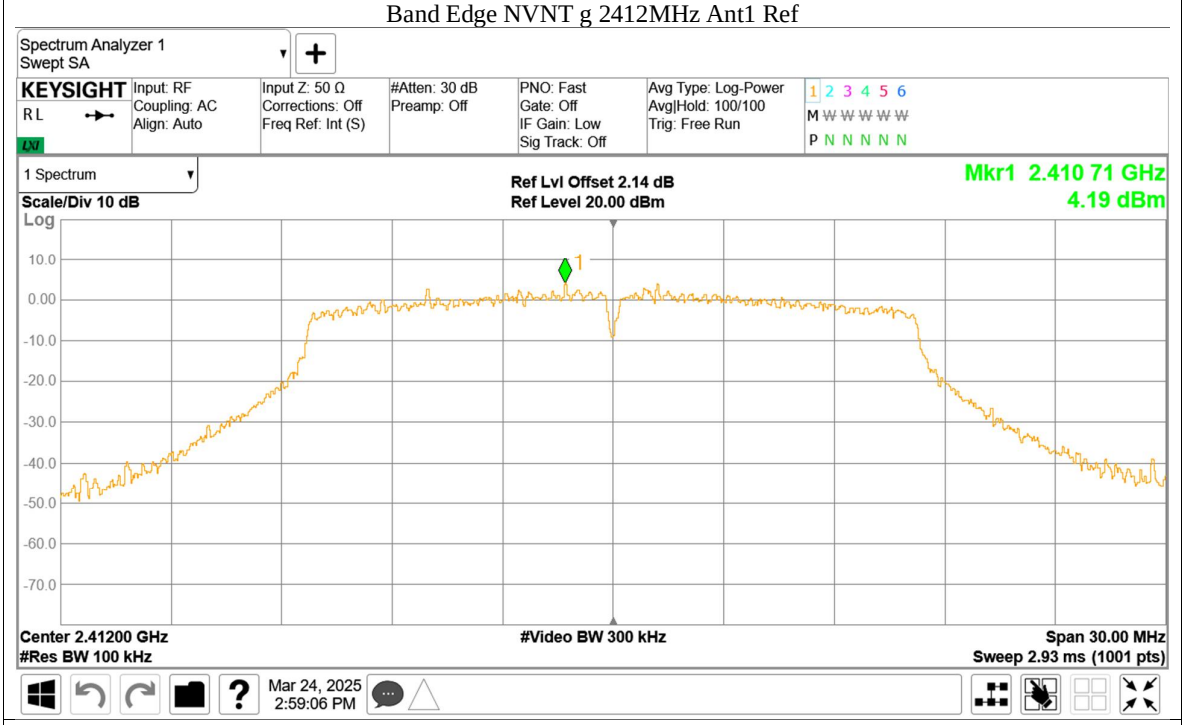
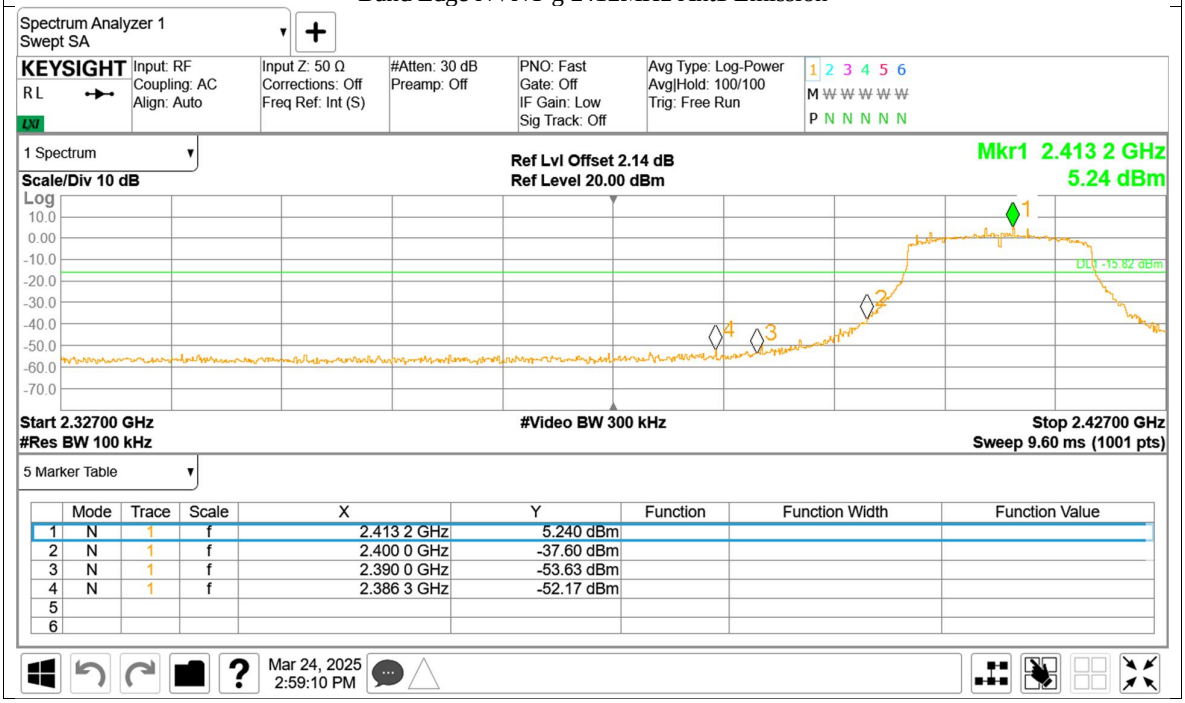
Band Edge NVNT g 2412MHz Ant1 Ref



Band Edge NVNT g 2412MHz Ant1 Emission



	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.413 2 GHz	5.240 dBm			
2	N	1	f	2.400 0 GHz	-37.60 dBm			
3	N	1	f	2.390 0 GHz	-53.63 dBm			
4	N	1	f	2.386 3 GHz	-52.17 dBm			
5								
6								

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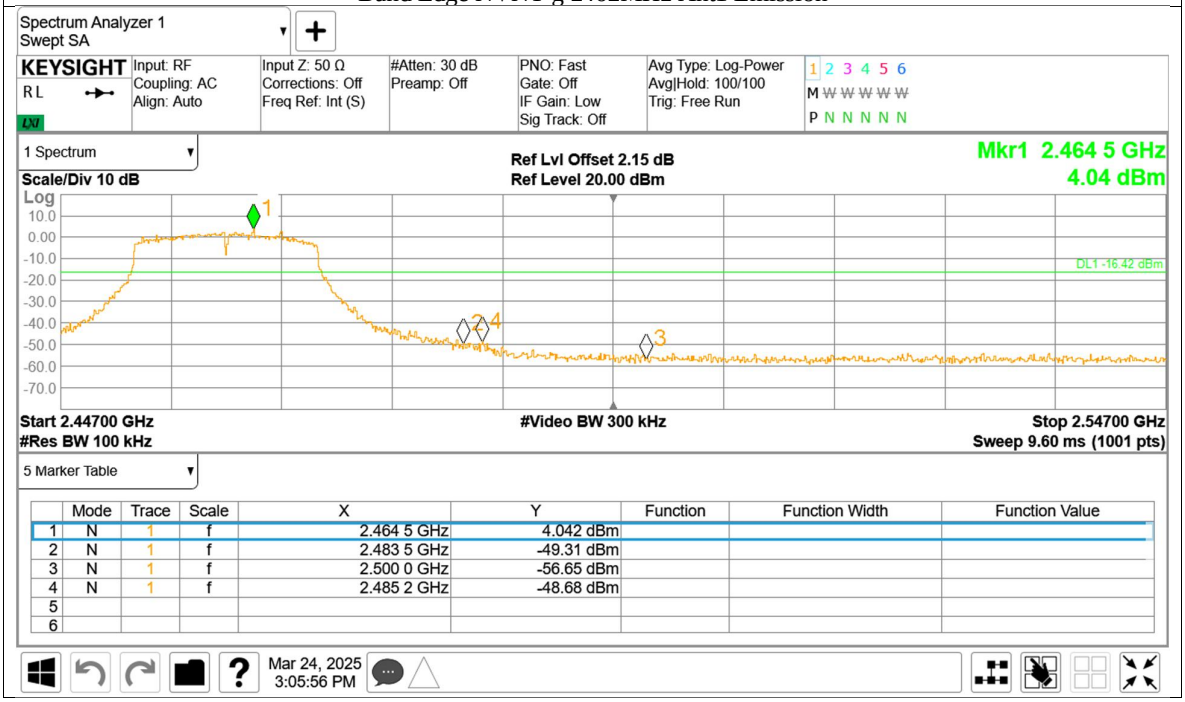
Band Edge NVNT g 2462MHz Ant1 Ref

Band Edge NVNT g 2462MHz Ant1 Emission



	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.464 5 GHz	4.042 dBm			
2	N	1	f	2.483 5 GHz	-49.31 dBm			
3	N	1	f	2.500 0 GHz	-56.65 dBm			
4	N	1	f	2.485 2 GHz	-48.68 dBm			
5								
6								

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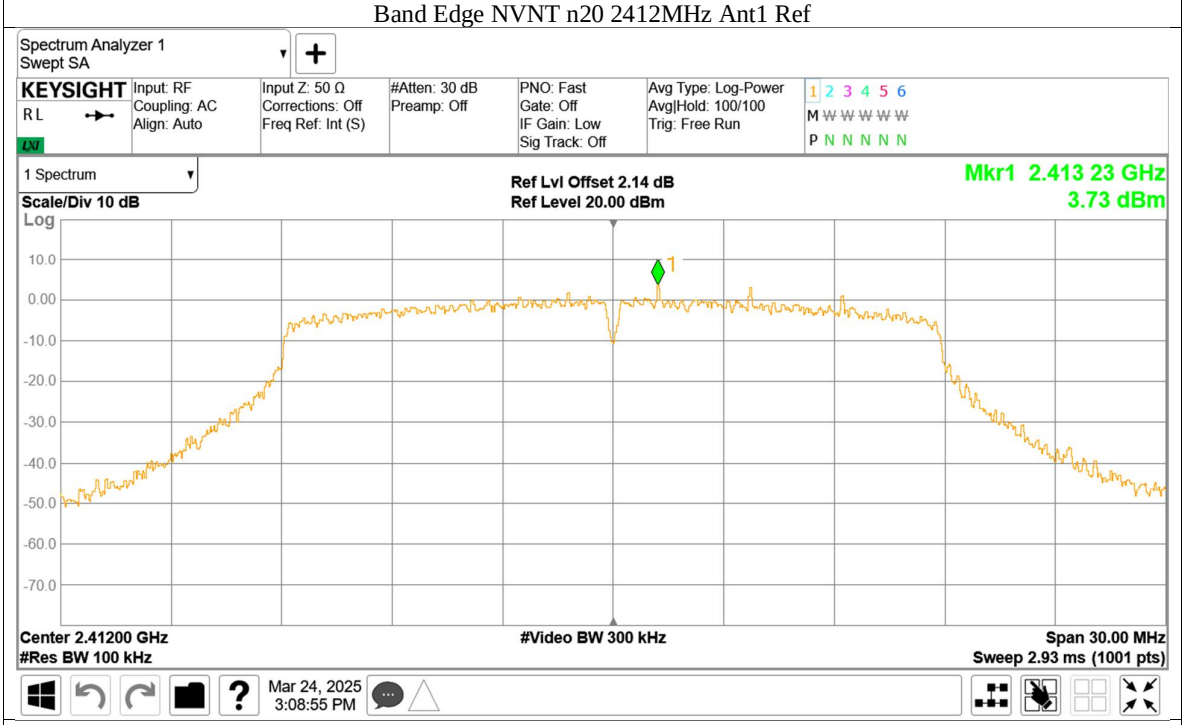
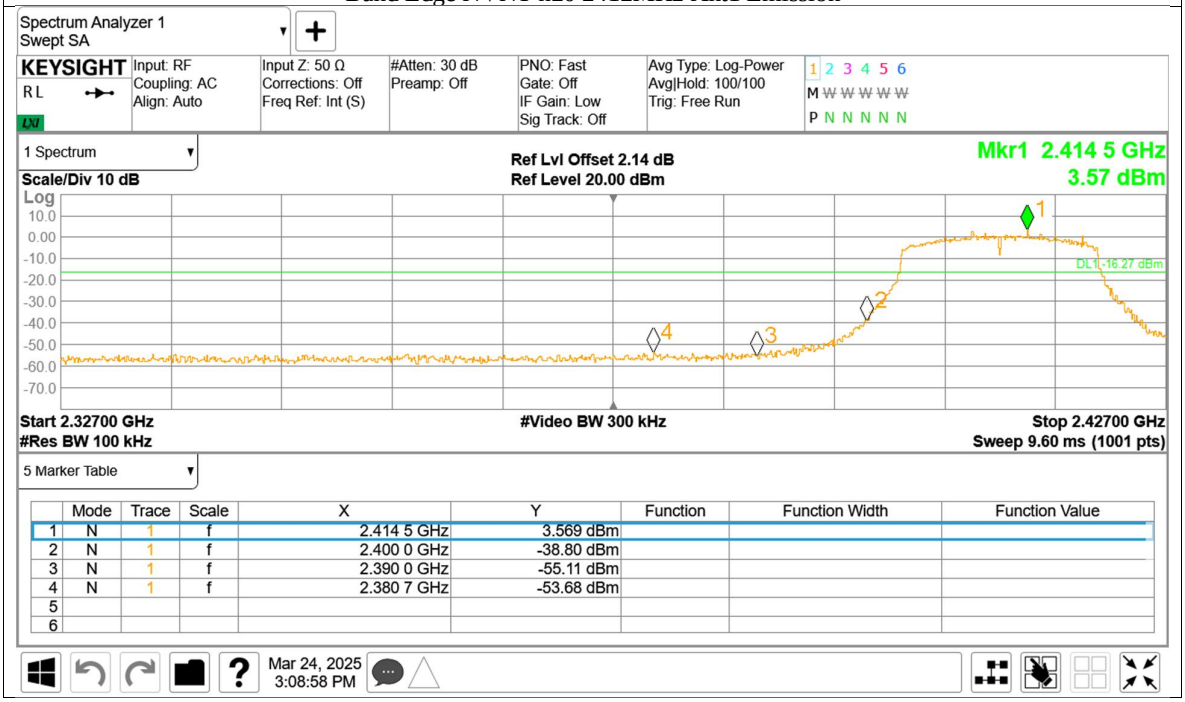
Band Edge NVNT n20 2412MHz Ant1 Ref



Band Edge NVNT n20 2412MHz Ant1 Emission



	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.414 5 GHz	3.569 dBm			
2	N	1	f	2.400 0 GHz	-38.80 dBm			
3	N	1	f	2.390 0 GHz	-55.11 dBm			
4	N	1	f	2.380 7 GHz	-53.68 dBm			
5								
6								

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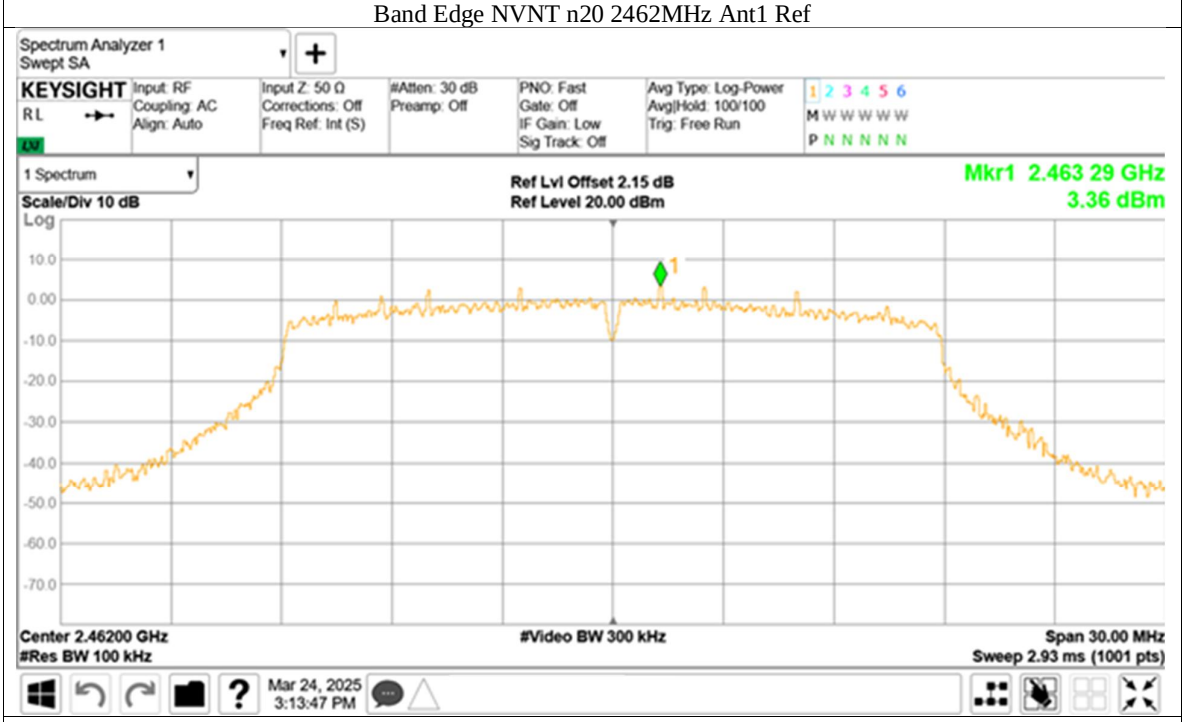
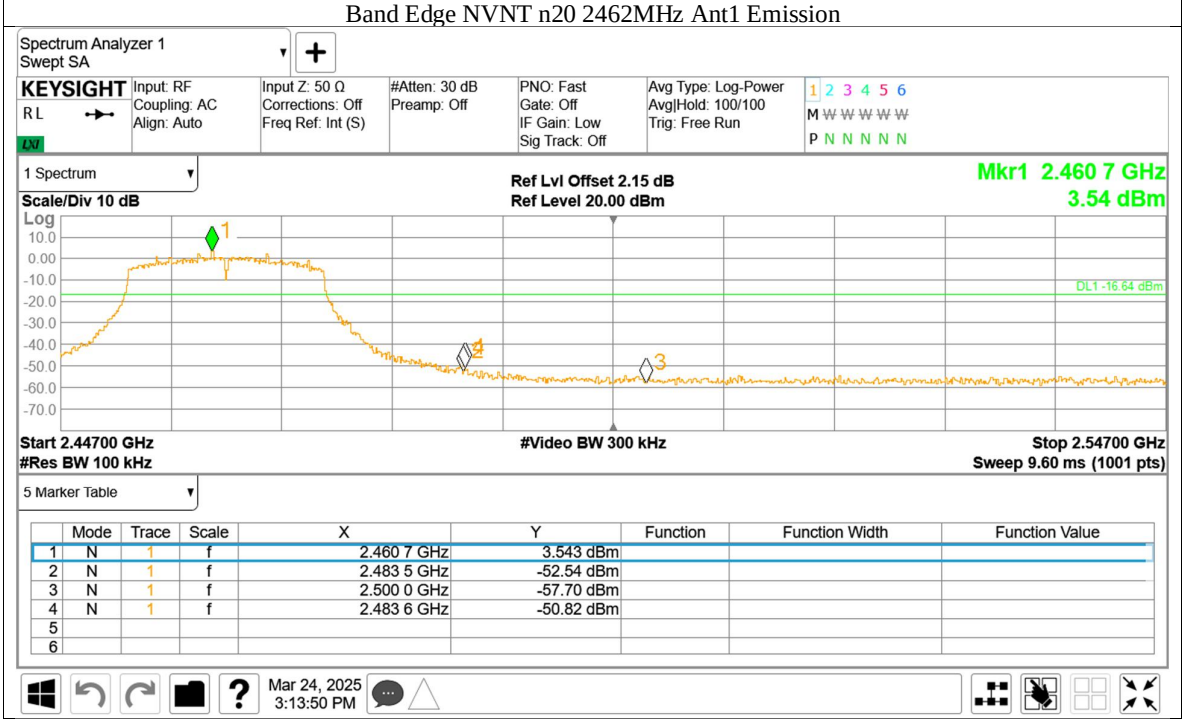
Band Edge NVNT n20 2462MHz Ant1 Ref



Band Edge NVNT n20 2462MHz Ant1 Emission



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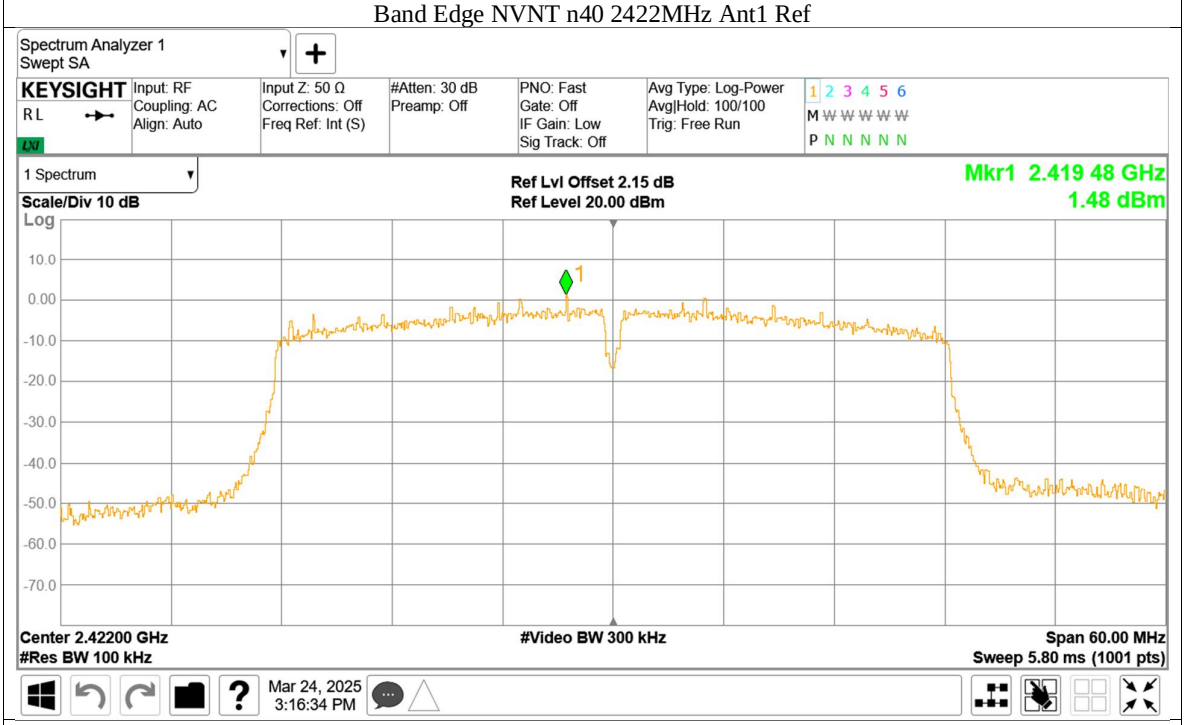
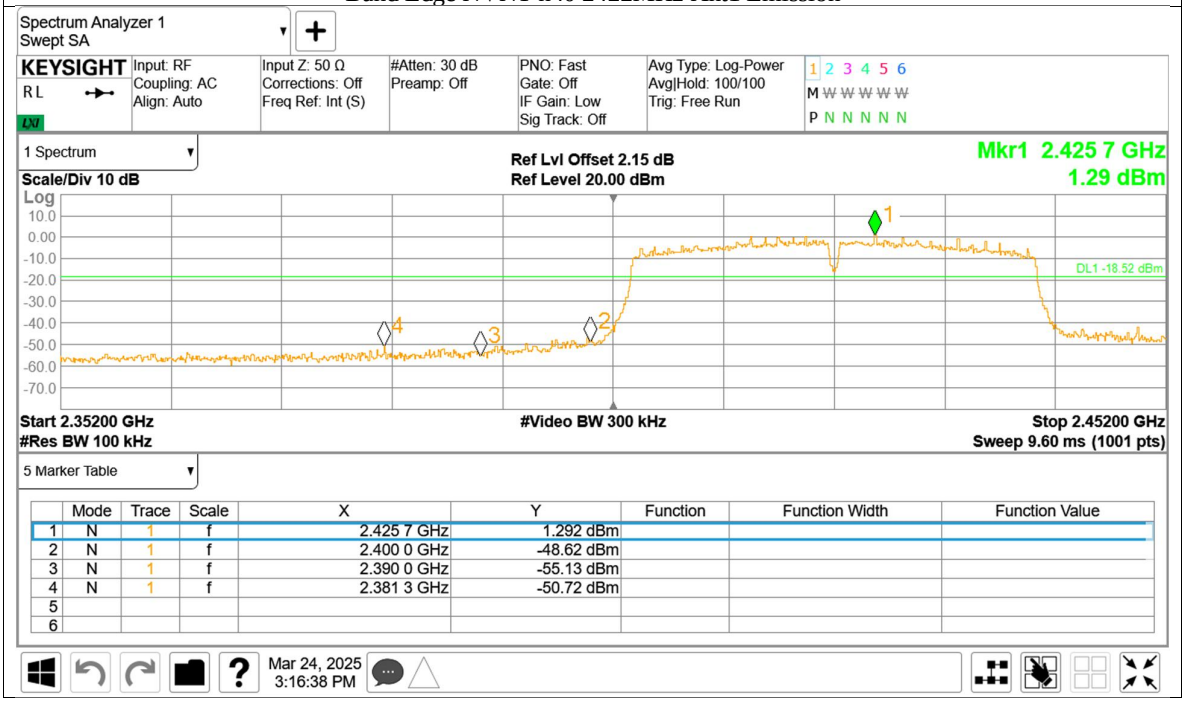
Band Edge NVNT n40 2422MHz Ant1 Ref



Band Edge NVNT n40 2422MHz Ant1 Emission



	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.425 7 GHz	1.292 dBm			
2	N	1	f	2.400 0 GHz	-48.62 dBm			
3	N	1	f	2.390 0 GHz	-55.13 dBm			
4	N	1	f	2.381 3 GHz	-50.72 dBm			
5								
6								

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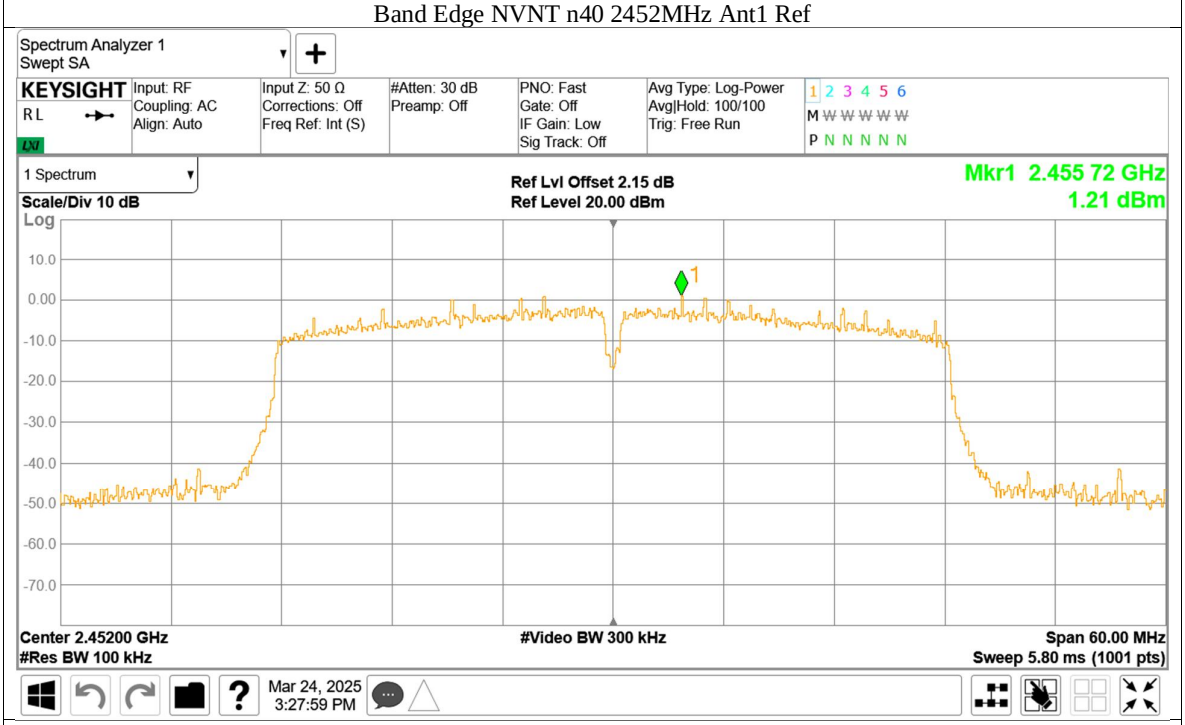
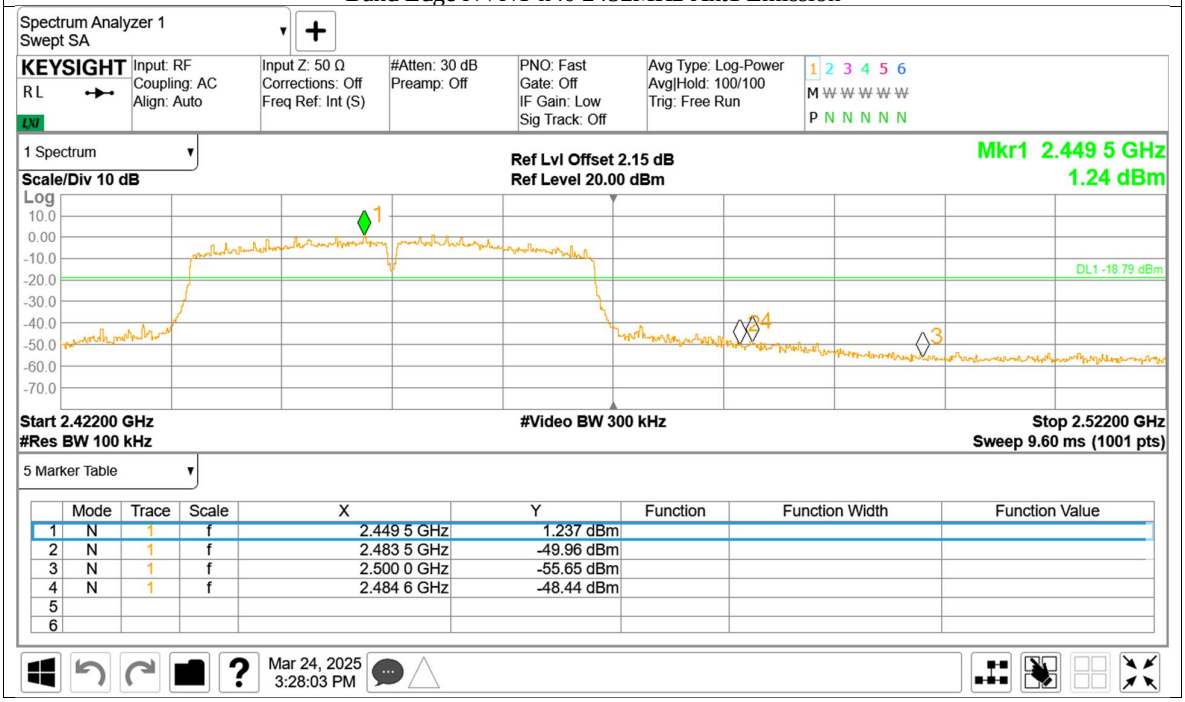
Band Edge NVNT n40 2452MHz Ant1 Ref



Band Edge NVNT n40 2452MHz Ant1 Emission



	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.449 5 GHz	1.237 dBm			
2	N	1	f	2.483 5 GHz	-49.96 dBm			
3	N	1	f	2.500 0 GHz	-55.65 dBm			
4	N	1	f	2.484 6 GHz	-48.44 dBm			
5								
6								

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10.6 Spurious radiated emissions for transmitter

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 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 \ [3 × RBW].
   c) Detector = RMS (power averaging), 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:
   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) and RSS 247 section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in § 15.209(a) and RSS-Gen is not required. In addition, radiated emissions which fall in the restricted bands, as defined in§ 15.205(a) and RSS-Gen scetion 8.9, must also comply with the radiated emission limits specified in § 15.209(a) and RSS-Gen section 8.10.

RSS-Gen section 8.9: Field strength limits at frequencies below 30 MHz

Frequency	Magnetic Field Strength	Detector	Measurement distance
MHz	µA/m		meters
0.009-0.490	6.37/F (F in kHz)	AV	300
0.490-1.705	63.7/F (F in kHz)	QP	30
1.705-30	0.08	QP	30

When the limit is in terms of magnetic field, the following equation applies:
$H[dB(\mu A/m)] = V[dB(\mu V)] + Lc\ [dB] - G_{PA}\ [dB] + AF^{E}\ [dB(m^{-1})] - 51.5\ [dB\Omega]$

When the limit is in terms of electric field, the following equation applies:
$E[dB(\mu V/m)] = V[dB(\mu V)] + Lc[dB] - G_{PA}[dB] + AF^{E}\ [dB(m^{-1})]$

The magnetic field limit is converted to the electric field limit by the equation:
$E_{limit}[dB(\mu V/m)] = H_{limit}\ [dB(\mu A/m)] + 51.5\ [dB\Omega]$

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)

where
H is the magnetic field strength (to be compared with the limit),
V is the voltage level measured by the receiver or spectrum analyzer.
Lc is the cable loss.
G_{PA} is the gain of the preamplifier (if used), and A_{FH} is the magnetic antenna factor.

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FCC part 15.209(a): Field strength limits at frequencies below 30 MHz

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

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)

FCC part 15.209(a) & RSS-Gen section 8.9: Field strength limits at frequencies above 30MHz

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

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.

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Test result

Worst case Radiated Emission 9KHz-30MHz

0.009-30MHz Radiated Emission

EUT Information

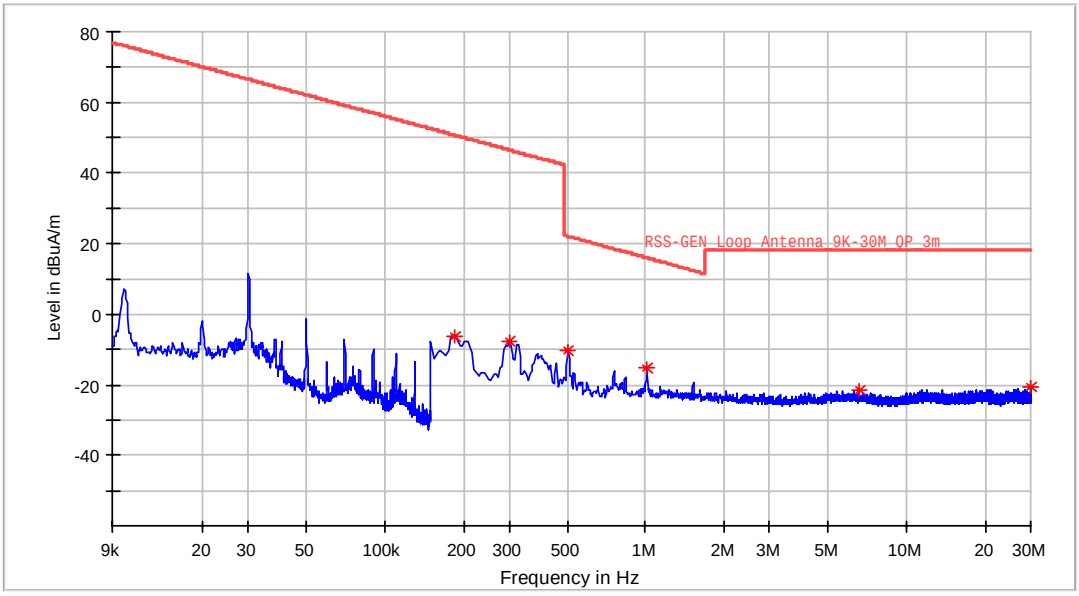
EUT Name:	DASH CAM
Model:	M800-2
Client:	70mai Co., Ltd.
Op Cond:	Power on and TX_2437MHz at 802.11 HT(n20) mode
Operator:	Chengjie Guo
Test Spec:	RSS-GEN 8.9
Comment:	Horizontal
Sample No:	SHA-899681-2

Sweep Setup: RE_Loop E_pre [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	70.5 Hz	PK+	200 Hz	0.01 s	0 dB
150 kHz - 30 MHz	3.731 kHz	PK+	9 kHz	0.01 s	0 dB

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuA/m)	Limit (dBuA/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.185118	-6.32	50.74	57.06	100.0	H	218.0	-32.8
0.299250	-7.78	46.56	54.34	100.0	H	216.0	-32.8
0.505566	-10.36	22.01	32.37	100.0	H	29.0	-32.8
1.010383	-15.45	15.99	31.44	100.0	H	324.0	-32.7
6.598478	-21.62	18.06	39.68	100.0	H	115.0	-32.6
29.824412	-20.59	18.06	38.65	100.0	H	284.0	-32.5

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0.009-30MHz Radiated Emission

EUT Information

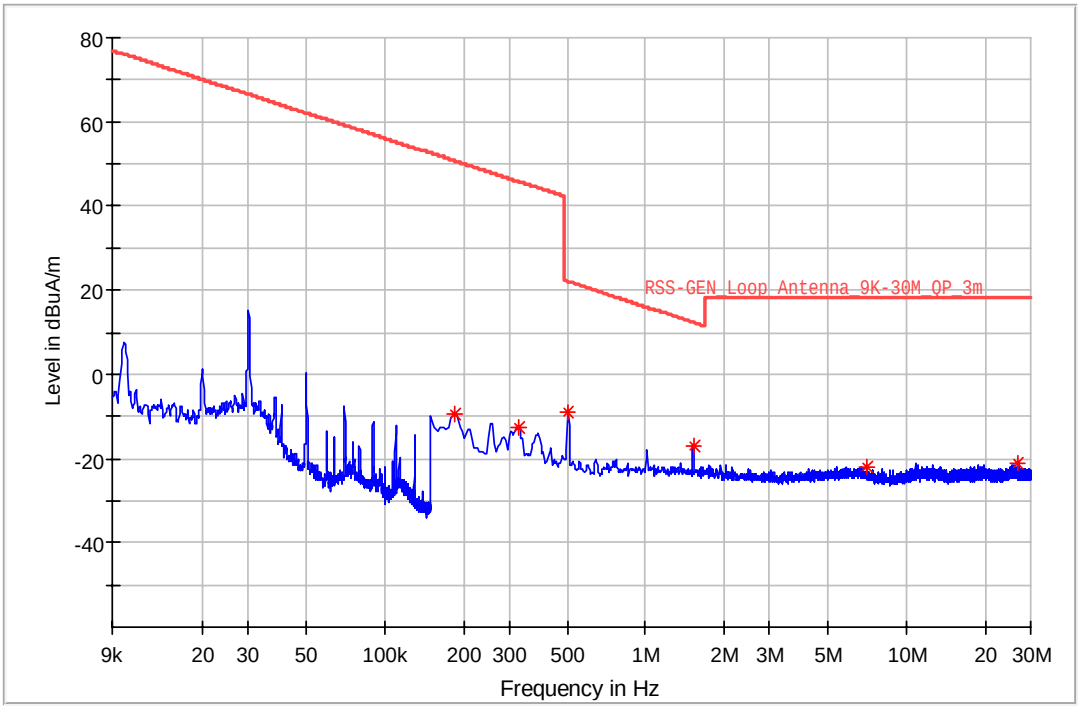
EUT Name:	DASH CAM
Model:	M800-2
Client:	70mai Co., Ltd.
Op Cond:	Power on and TX_2437MHz at 802.11 HT(n20) mode
Operator:	Chengjie Guo
Test Spec:	RSS-GEN 8.9
Comment:	Vertical
Sample No:	SHA-899681-2

Sweep Setup: RE_Loop E_pre [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	70.5 Hz	PK+	200 Hz	0.01 s	0 dB
150 kHz - 30 MHz	3.731 kHz	PK+	9 kHz	0.01 s	0 dB

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuA/m)	Limit (dBuA/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.185118	-9.26	50.74	60	100.0	V	249.0	-32.8
0.325588	-12.42	45.83	58.25	100.0	V	260.0	-32.8
0.505566	-9.08	22.01	31.09	100.0	V	309.0	-32.8
1.519588	-17.24	12.45	29.69	100.0	V	309.0	-32.6
7.046228	-22.19	18.06	40.25	100.0	V	260.0	-32.7
26.650654	-21.06	18.06	39.12	100.0	V	37.0	-32.0

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0.009-30MHz Radiated Emission

EUT Information

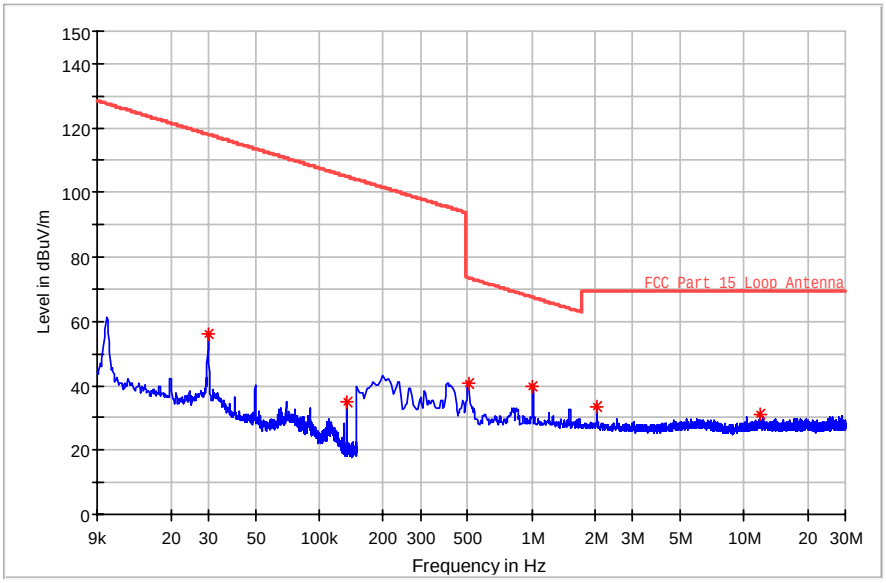
EUT Name:	DASH CAM
Model:	M800-2
Client:	70mai Co., Ltd.
Op Cond:	Power on and TX_2437MHz at 802.11 HT(n20) mode
Operator:	Chengjie Guo
Test Spec:	FCC 15.209 (a)
Comment:	Horizontal
Sample No:	SHA-899681-2

Sweep Setup: RE_Loop E_pre [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

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.029974	55.98	118.07	62.09	100.0	H	246.0	18.9
0.134402	35.03	105.04	70.01	100.0	H	337.0	18.8
0.505566	40.95	73.53	32.57	100.0	H	73.0	18.7
1.010383	39.98	67.51	27.53	100.0	H	295.0	18.8
2.024405	33.64	69.54	35.90	100.0	H	295.0	18.9
11.910022	31.38	69.54	38.16	100.0	H	1.0	18.9

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0.009-30MHz Radiated Emission

EUT Information

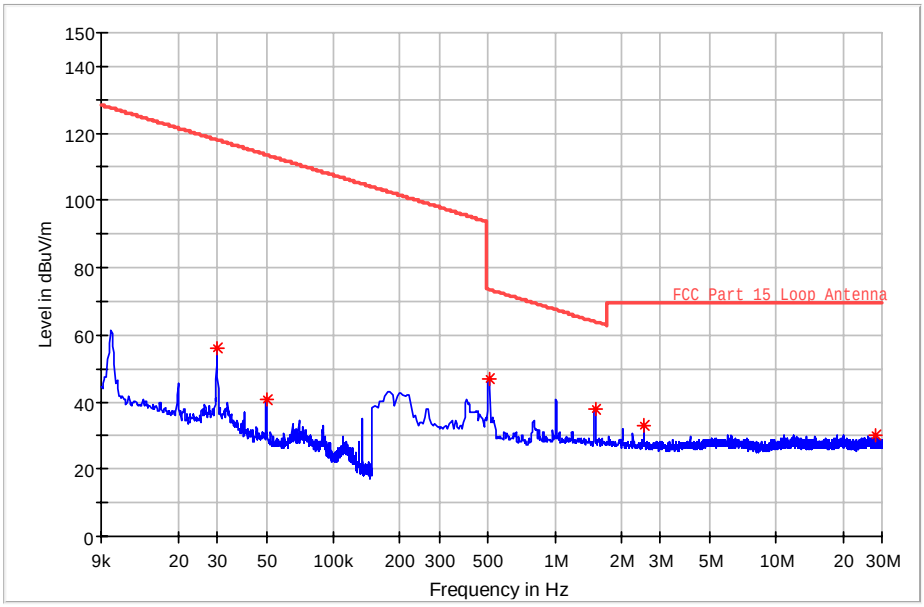
EUT Name:	DASH CAM
Model:	M800-2
Client:	70mai Co., Ltd.
Op Cond:	Power on and TX_2437MHz at 802.11 HT(n20) mode
Operator:	Chengjie Guo
Test Spec:	FCC 15.209 (a)
Comment:	Vertical
Sample No:	SHA-899681-2

Sweep Setup: RE_Loop E_pre [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

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.029974	56.23	118.07	61.84	100.0	V	279.0	18.9
0.049978	40.73	113.63	72.90	100.0	V	31.0	18.9
0.505566	46.98	73.53	26.55	100.0	V	224.0	18.7
1.519588	37.82	63.97	26.15	100.0	V	224.0	18.8
2.533610	33.01	69.54	36.53	100.0	V	224.0	19.0
28.235338	30.31	69.54	39.23	100.0	V	293.0	19.3

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Worst case Radiated Emission 30MHz-1GHz

30-1000MHz Radiated Emission

EUT Information

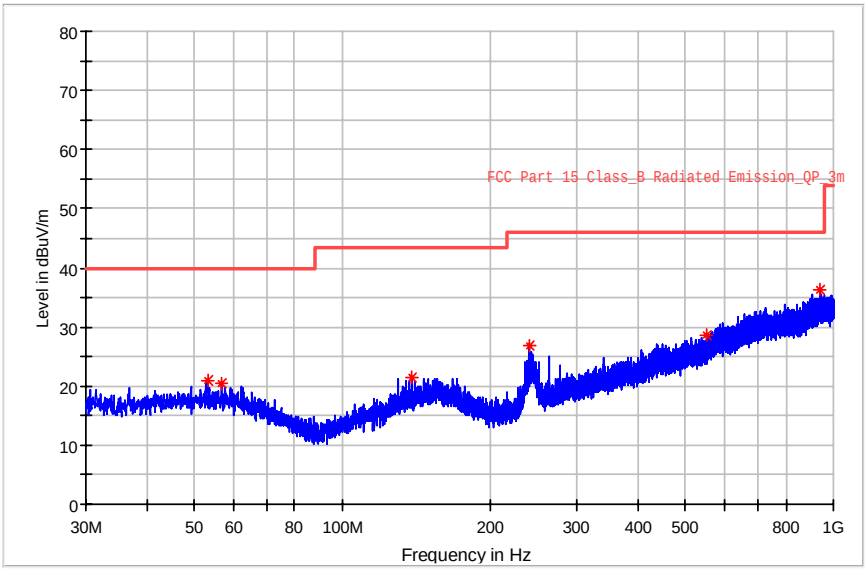
EUT Name:	DASH CAM
Model:	M800-2
Client:	70mai Co., Ltd.
Op Cond:	Power on and TX_2437MHz at 802.11 HT(n20) mode
Operator:	Chengjie Guo
Test Spec:	FCC 15.209 (a) and RSS-GEN 8.9
Comment:	Horizontal
Sample No:	SHA-899681-2

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

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
53.183000	20.87	40.00	19.14	100.0	H	237.0	20.9
56.723500	20.45	40.00	19.55	250.0	H	228.0	20.8
138.737000	21.39	43.50	22.11	100.0	H	205.0	20.4
240.005000	26.76	46.00	19.24	150.0	H	136.0	19.7
550.890000	28.55	46.00	17.45	100.0	H	358.0	27.9
940.781500	36.20	46.00	9.80	300.0	H	265.0	34.8

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

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30-1000MHz Radiated Emission

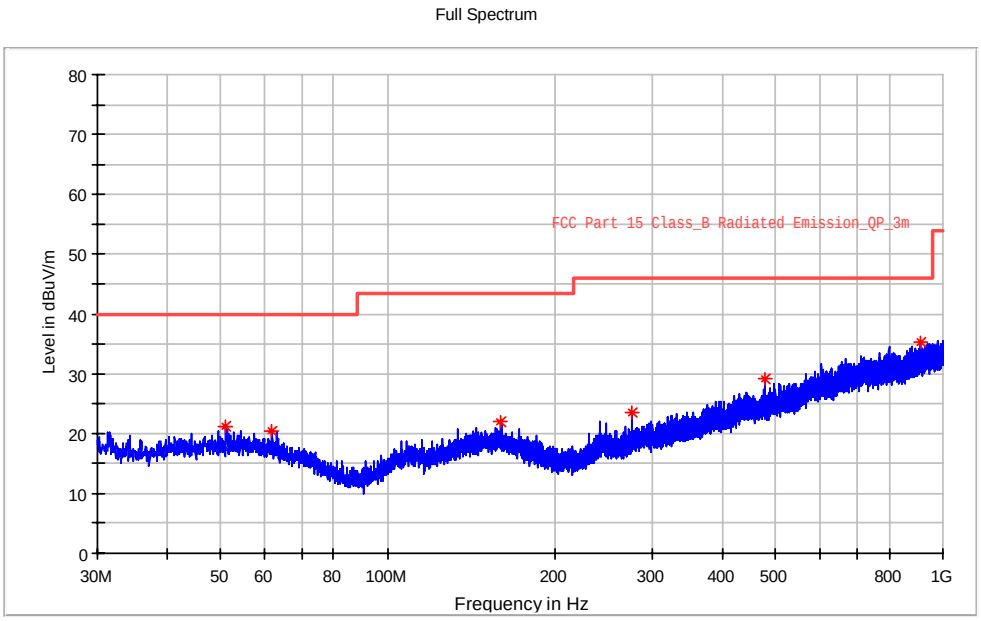
EUT Information

EUT Name:	DASH CAM
Model:	M800-2
Client:	70mai Co., Ltd.
Op Cond:	Power on and TX_2437MHz at 802.11 HT(n20) mode
Operator:	Chengjie Guo
Test Spec:	FCC 15.209 (a) and RSS-GEN 8.9
Comment:	Vertical
Sample No:	SHA-899681-2

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)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
51.194500	21.14	40.00	18.86	100.0	V	106.0	20.9
62.010000	20.56	40.00	19.44	150.0	V	334.0	20.3
159.252500	21.87	43.50	21.63	100.0	V	115.0	21.1
274.585500	23.44	46.00	22.56	200.0	V	180.0	20.9
479.983000	29.06	46.00	16.94	100.0	V	48.0	26.5
912.312000	35.21	46.00	10.79	300.0	V	202.0	34.2

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

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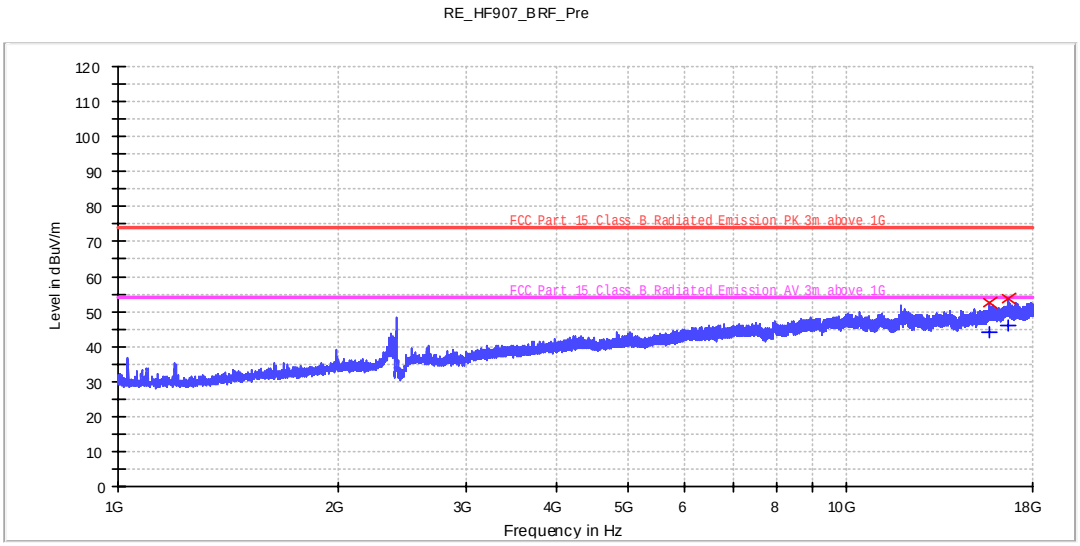
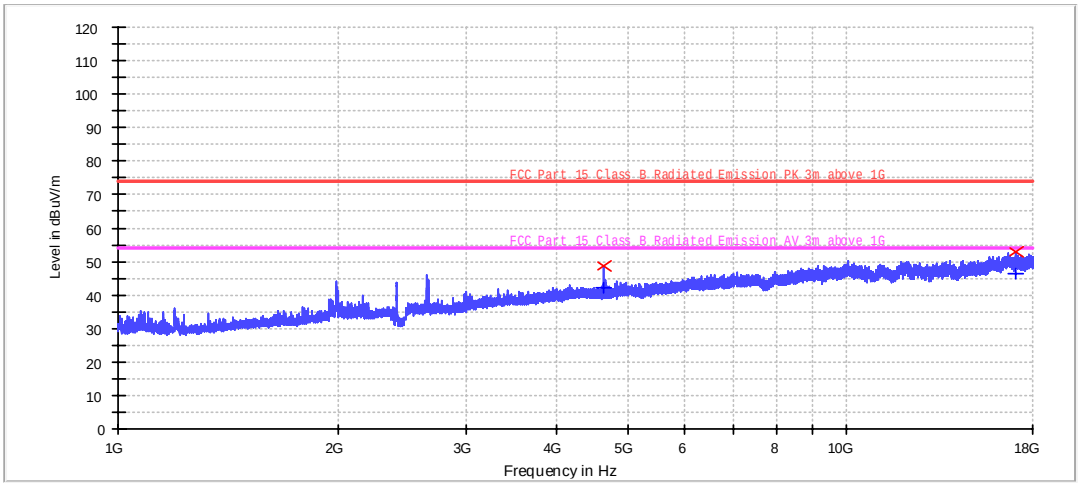
Radiated Emission 1-18 GHz

802.11B:2412MHz



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
15732.700000	52.5	44.2	200.0	H	241.0	5.6	21.5	74.0	9.8	54.0
16657.000000	53.7	45.9	150.0	H	193.0	7.0	20.3	74.0	8.1	54.0



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
4648.625000	48.9	42.1	250.0	V	317.0	-3.5	25.1	74.0	11.9	54.0
17092.600000	52.9	46.3	150.0	V	225.0	7.2	21.1	74.0	7.7	54.0

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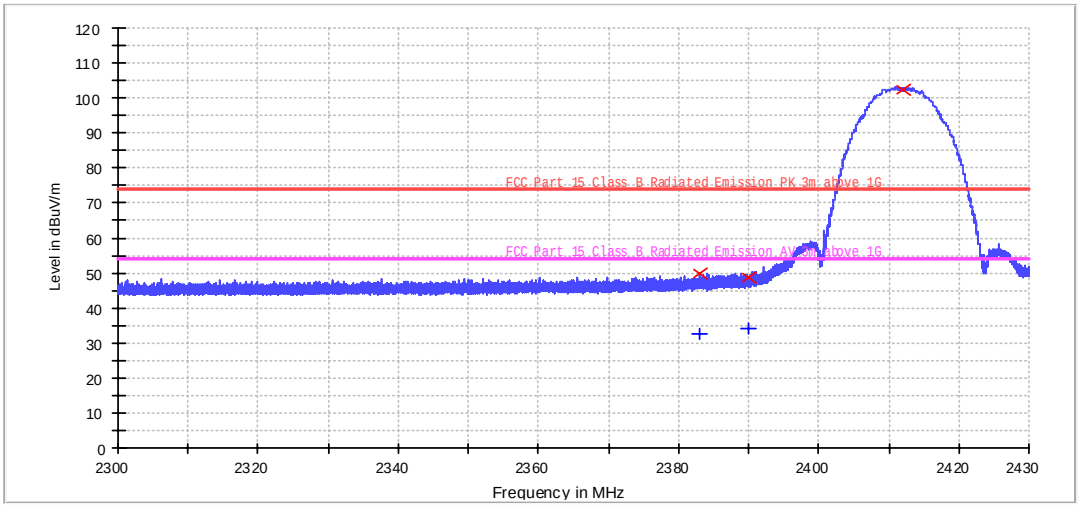
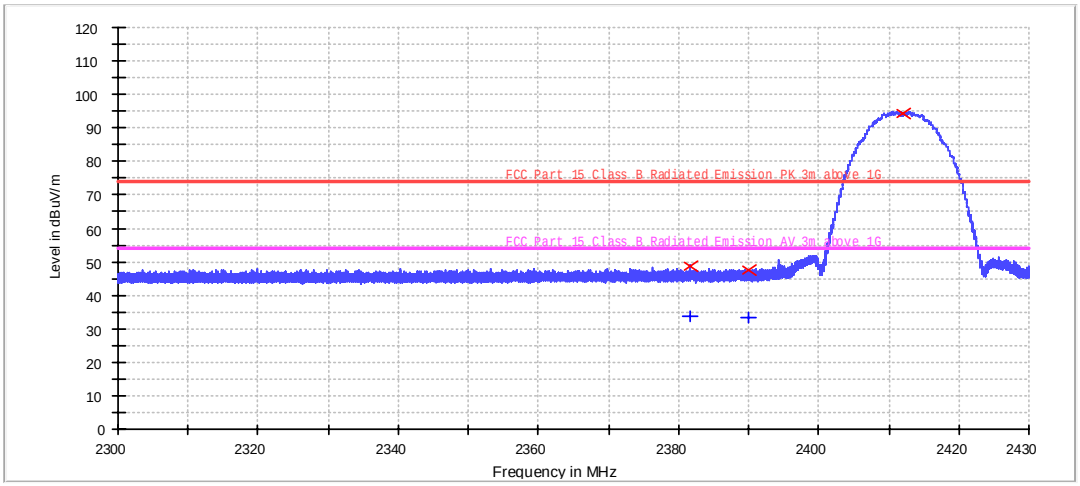
RE_HF907_BRF_Pre



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m
2383.005000	49.9	32.5	250.0	H	317.0	-10.8	24.1	74.0	21.5	54.0
2390.000000	48.5	34.2	200.0	H	116.0	-10.8	25.5	74.0	19.9	54.0
2412.000000	102.5	---	150.0	H	249.0	-10.7	-28.5	74.0	---	---

RE_HF907_BRF_Pre



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
2381.600000	48.8	33.6	200.0	V	216.0	-10.8	25.2	74.0	20.4	54.0
2390.000000	47.5	33.4	150.0	V	143.0	-10.8	26.5	74.0	20.6	54.0
2412.000000	94.5	---	300.0	V	327.0	-10.7	-20.5	74.0	---	---

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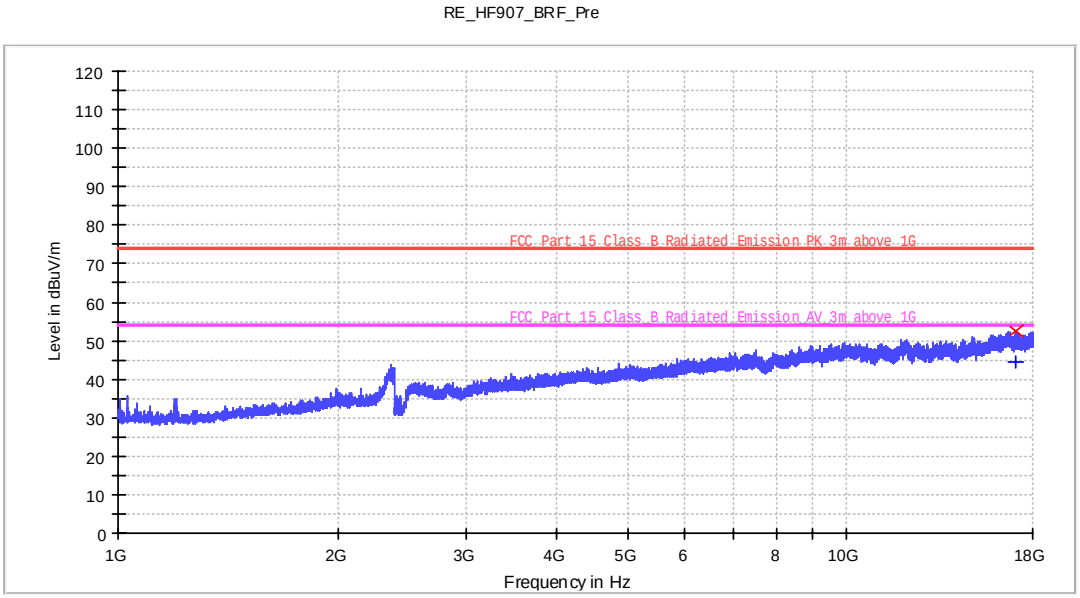
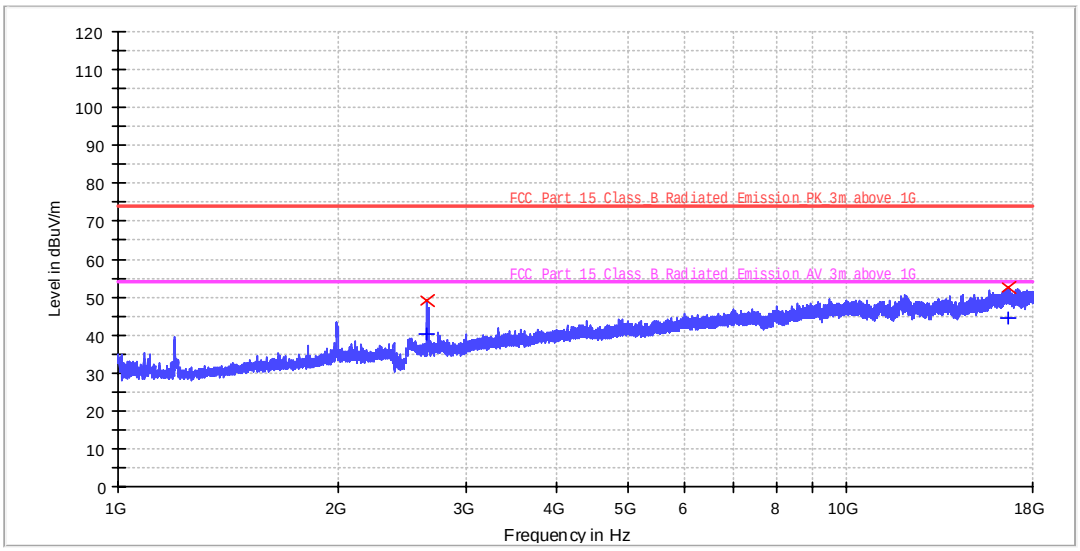
802.11B:2437MHz



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
17100.700000	52.5	44.6	150.0	H	293.0	7.2	21.5	74.0	9.4	54.0



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
2655.400000	49.1	40.3	150.0	V	123.0	-9.6	24.9	74.0	13.7	54.0
16710.100000	52.4	44.5	200.0	V	240.0	7.1	21.6	74.0	9.5	54.0

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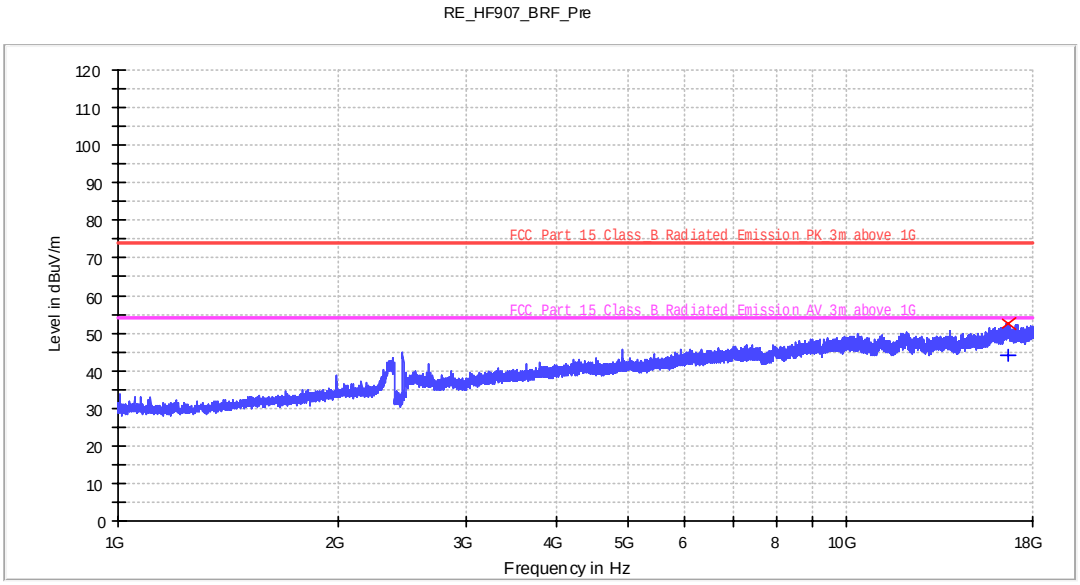
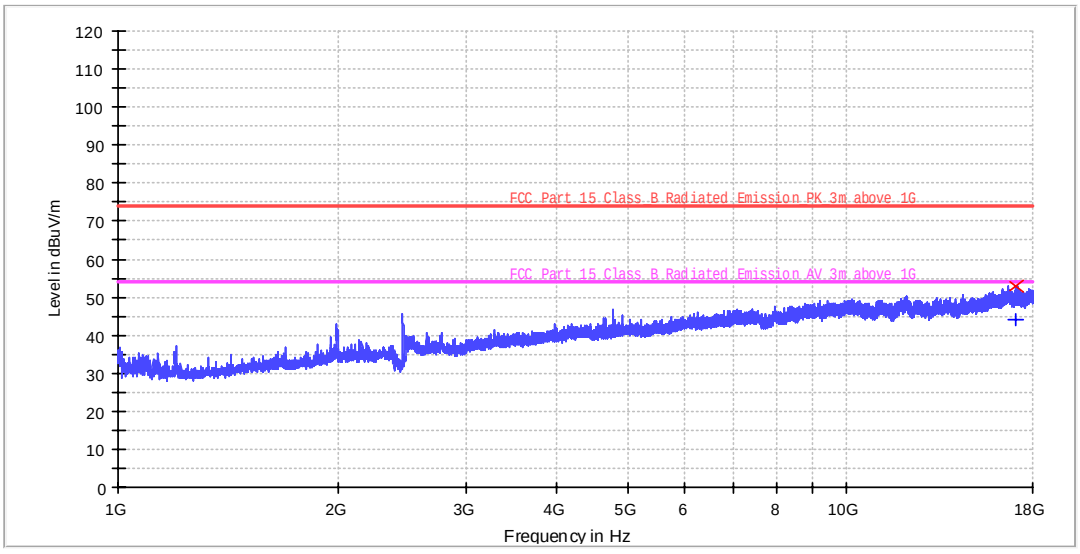
802.11B:2462MHz



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
16704.400000	52.5	44.0	150.0	H	2.0	7.1	21.5	74.0	10.0	54.0



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
17104.900000	53.0	44.2	150.0	V	194.0	7.2	21.0	74.0	9.8	54.0

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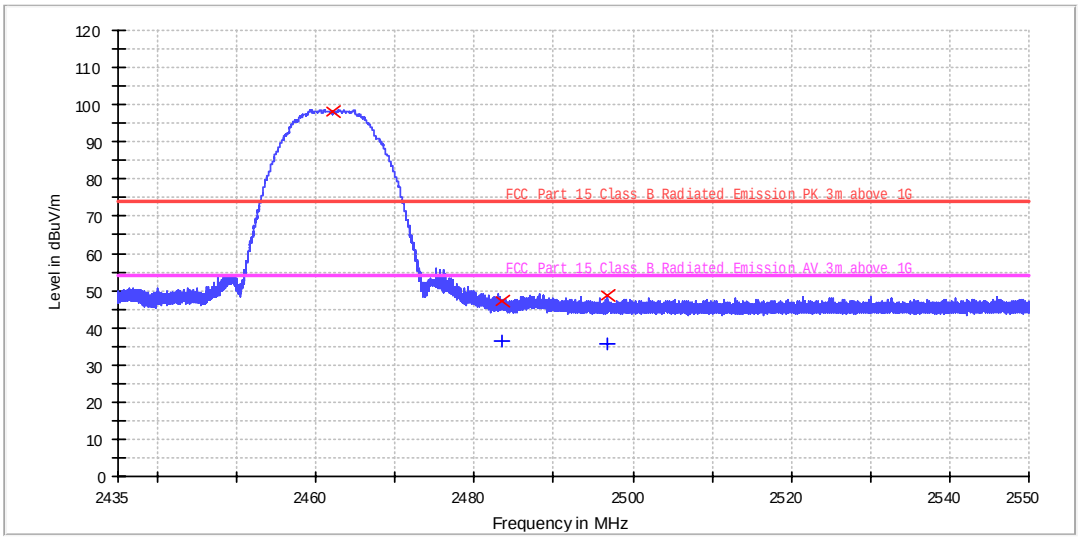
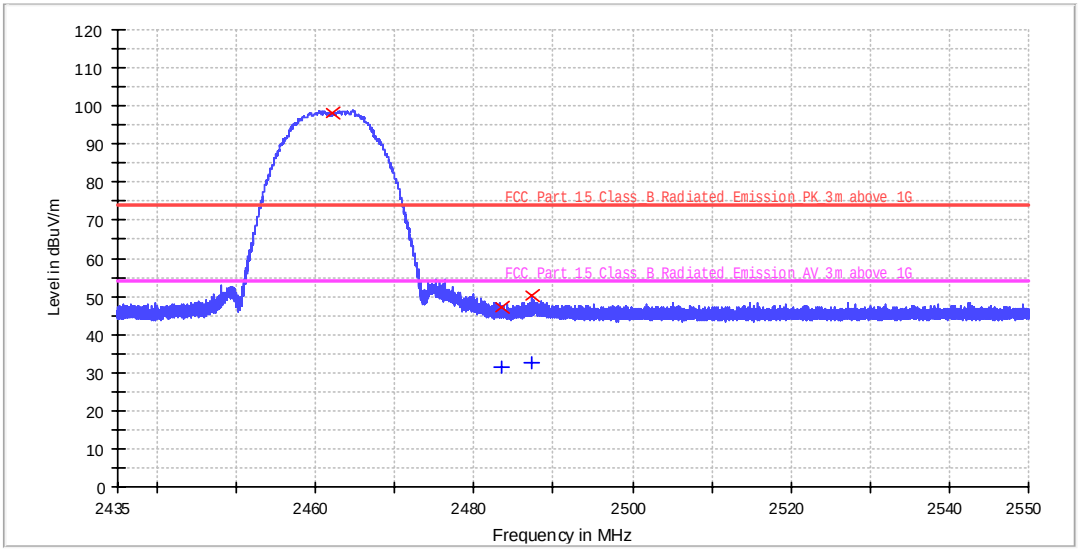
RE_HF907_BRF_Pre



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m
2462.000000	98.2	---	150.0	H	248.0	-10.4	-24.2	74.0	---	---
2483.500000	47.1	36.4	200.0	H	236.0	-10.3	26.9	74.0	17.6	54.0
2496.787344	48.6	35.8	150.0	H	169.0	-10.3	25.4	74.0	18.2	54.0

RE_HF907_BRF_Pre



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 - AV (dB)	Limit - AV (dBuV/m)
2462.000000	98.1	---	150.0	V	159.0	-10.4	-24.1	74.0	---	---
2483.500000	47.2	31.4	300.0	V	241.0	-10.3	26.8	74.0	22.6	54.0
2487.174063	50.3	32.5	200.0	V	312.0	-10.3	23.7	74.0	21.5	54.0

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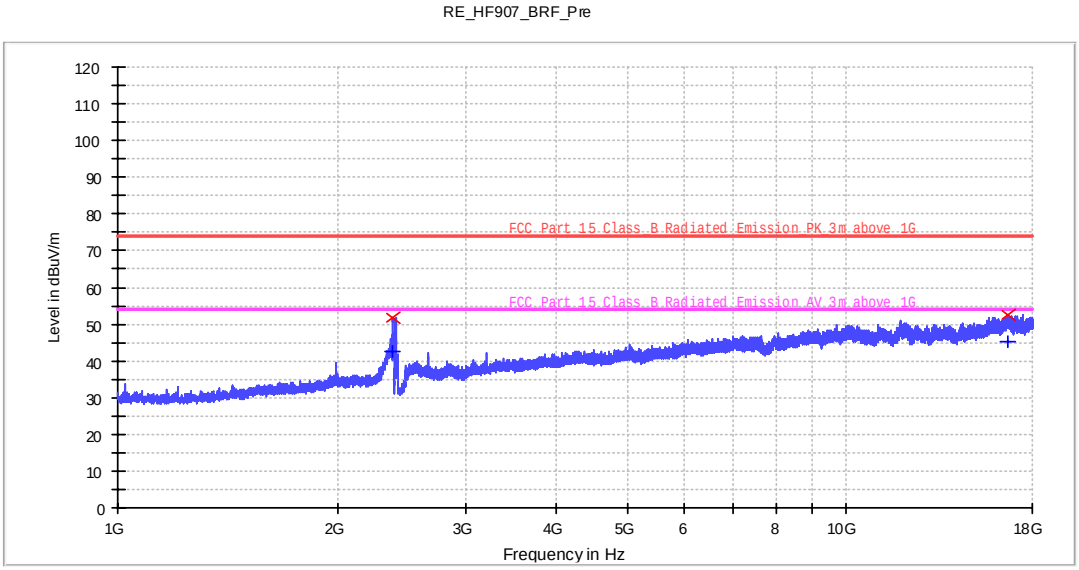
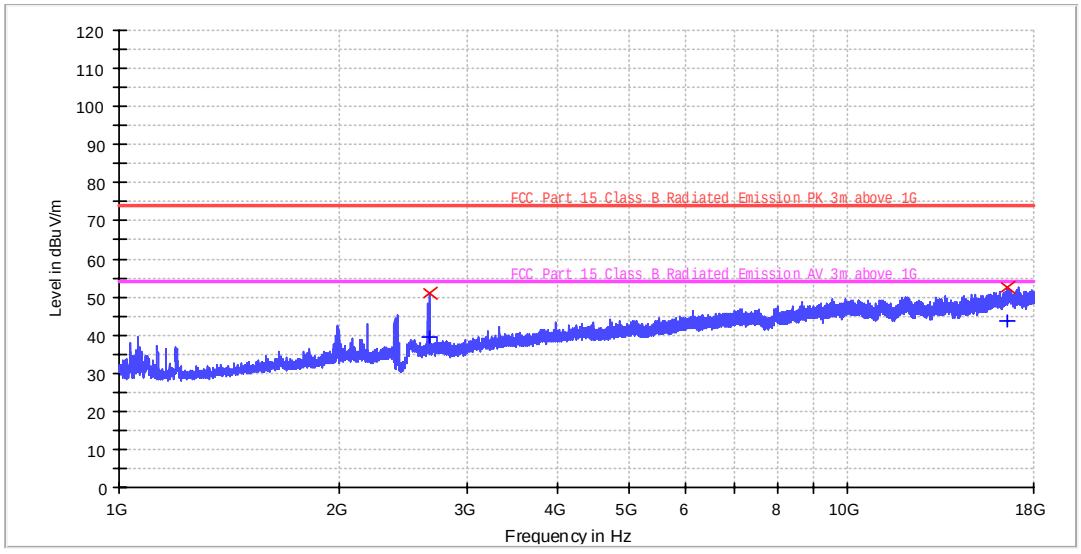
802.11G:2412MHz



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
2389.921875	51.7	42.4	200.0	H	138.0	-10.8	22.3	74.0	11.6	54.0
16696.900000	52.5	45.3	250.0	H	308.0	7.1	21.5	74.0	8.7	54.0



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
2665.000000	50.9	39.5	150.0	V	248.0	-9.6	23.1	74.0	14.5	54.0
16577.200000	52.4	43.9	200.0	V	179.0	6.8	21.6	74.0	10.1	54.0

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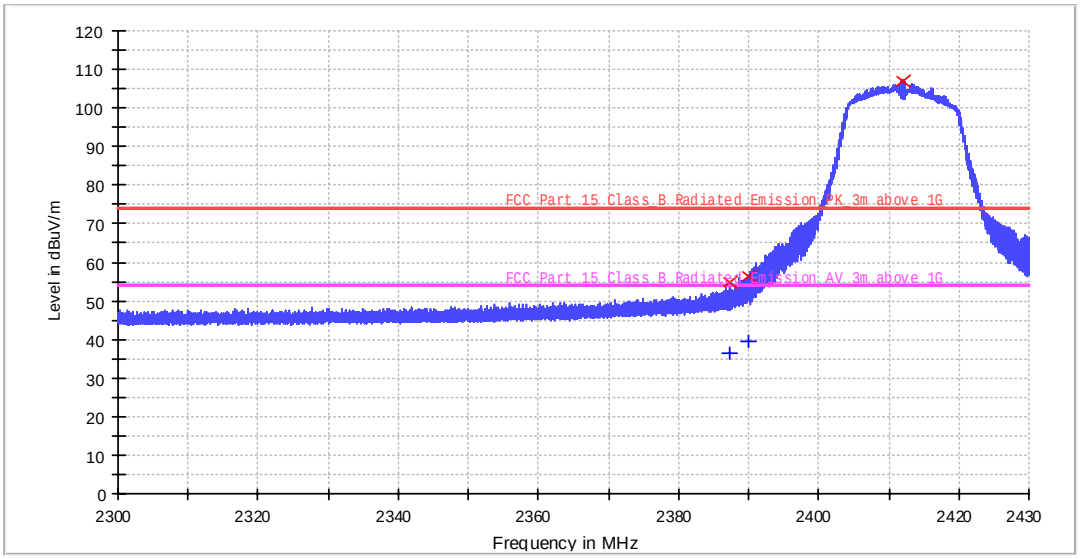
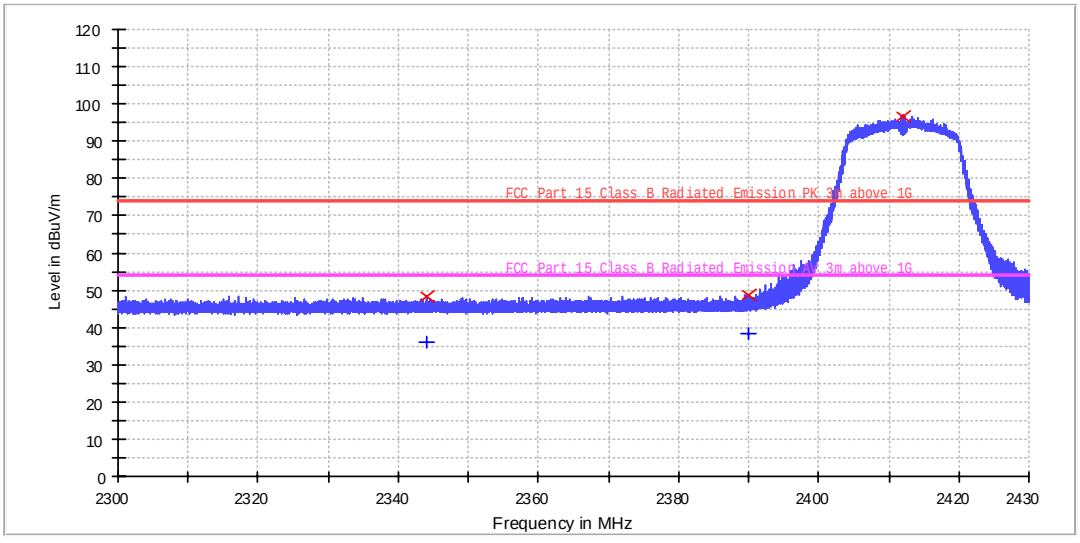


Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
2387.201563	54.8	36.4	300.0	H	295.0	-10.8	19.2	74.0	17.6	54.0
2390.000000	56.5	39.4	200.0	H	243.0	-10.8	17.5	74.0	14.7	54.0
2412.000000	107.1	---	150.0	H	174.0	-10.7	-33.1	74.0	---	---

RE_HF907_BRF_Pre



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 - AV (dB)	Limit - AV (dBuV/m)
2343.916880	48.3	35.9	200.0	V	243.0	-11.0	25.7	74.0	18.1	54.0
2390.000000	48.7	38.5	150.0	V	93.0	-10.8	25.3	74.0	15.5	54.0
2412.000000	96.5	---	200.0	V	321.0	-10.7	-22.5	74.0	---	---

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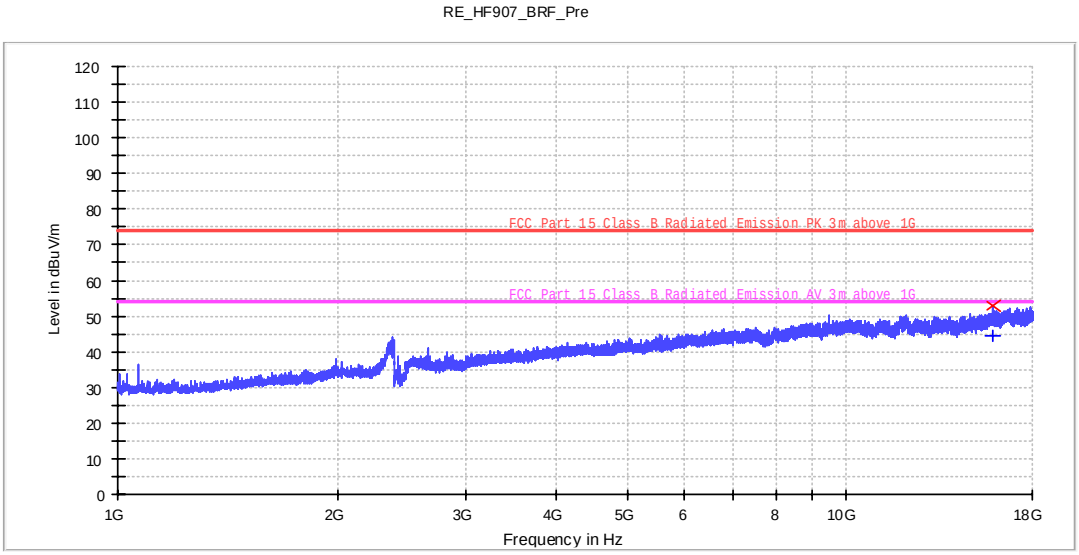
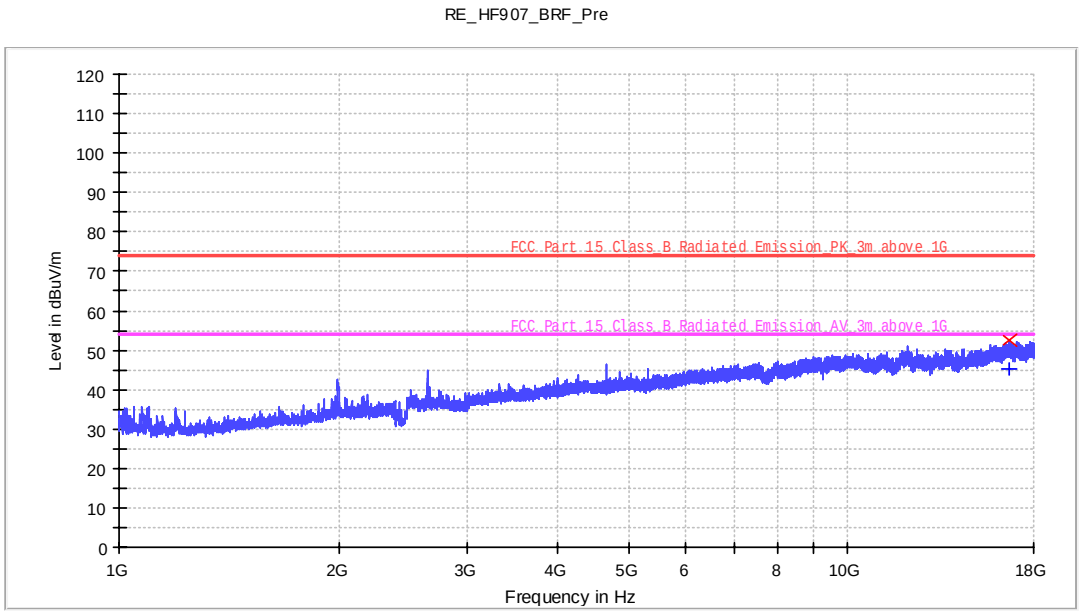
802.11G:2437MHz



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
15900.100000	52.7	44.3	150.0	H	251.0	5.7	21.3	74.0	9.7	54.0



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
16707.400000	52.5	45.4	150.0	V	237.0	7.1	21.5	74.0	8.6	54.0

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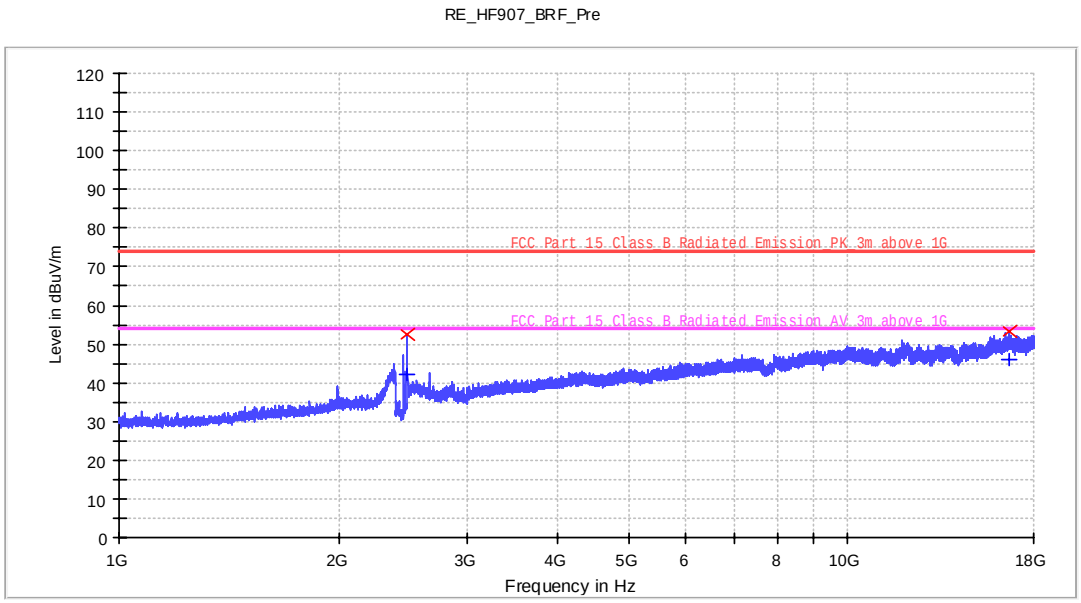
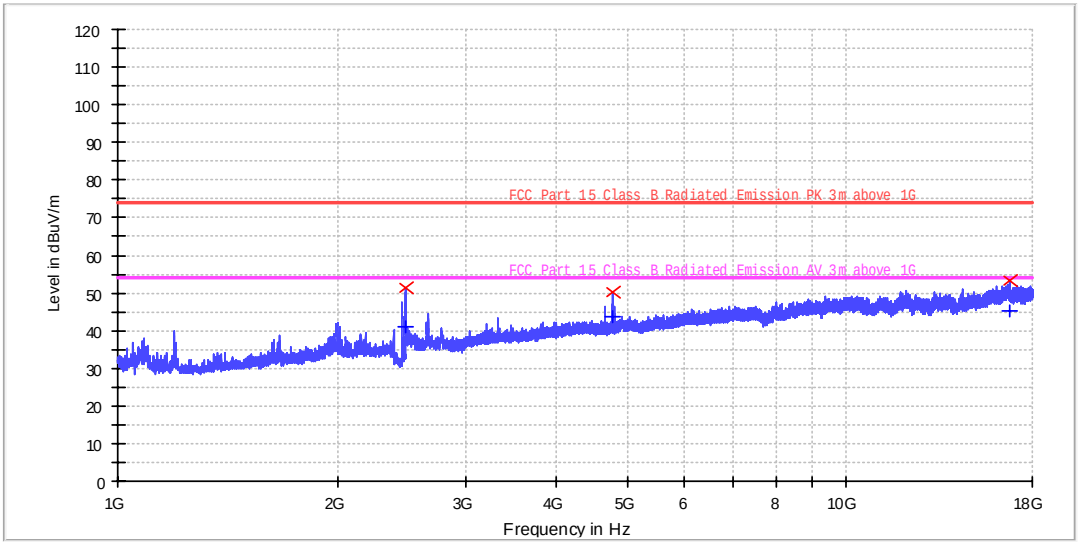
802.11G:2462MHz



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
2483.800000	52.6	42.0	300.0	H	293.0	-10.3	21.4	74.0	12.0	54.0
16687.300000	53.2	46.0	150.0	H	174.0	7.1	20.8	74.0	8.0	54.0



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m	Margin - AV (dB)	Limit - AV (dBuV/m)
2484.400000	51.4	41.0	150.0	V	141.0	-10.3	22.6	74.0	13.0	54.0
4783.000000	50.4	43.6	250.0	V	96.0	-2.8	23.6	74.0	10.4	54.0
16714.900000	53.2	45.1	300.0	V	293.0	7.1	20.8	74.0	8.9	54.0

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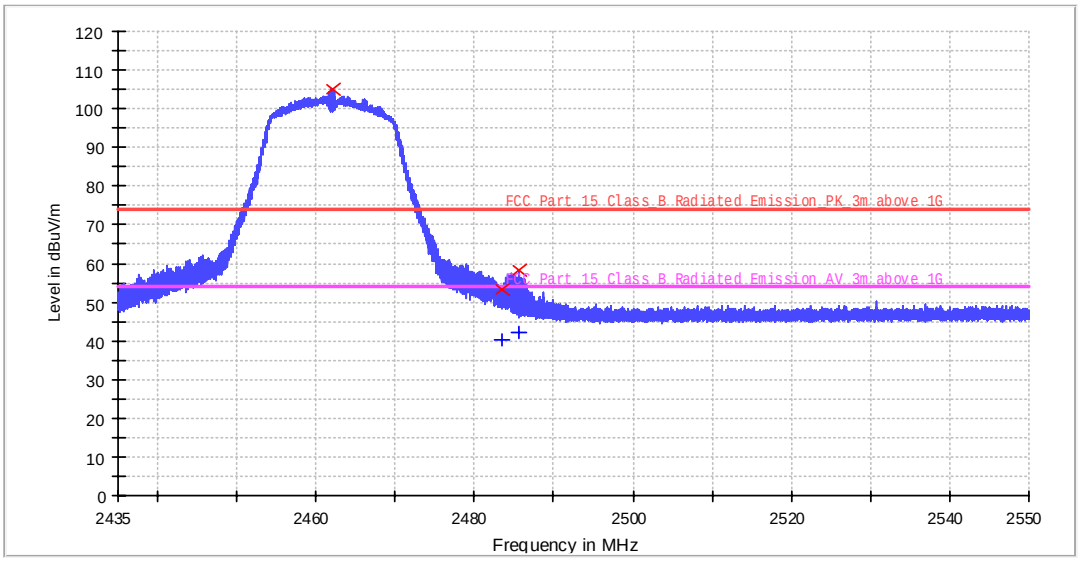
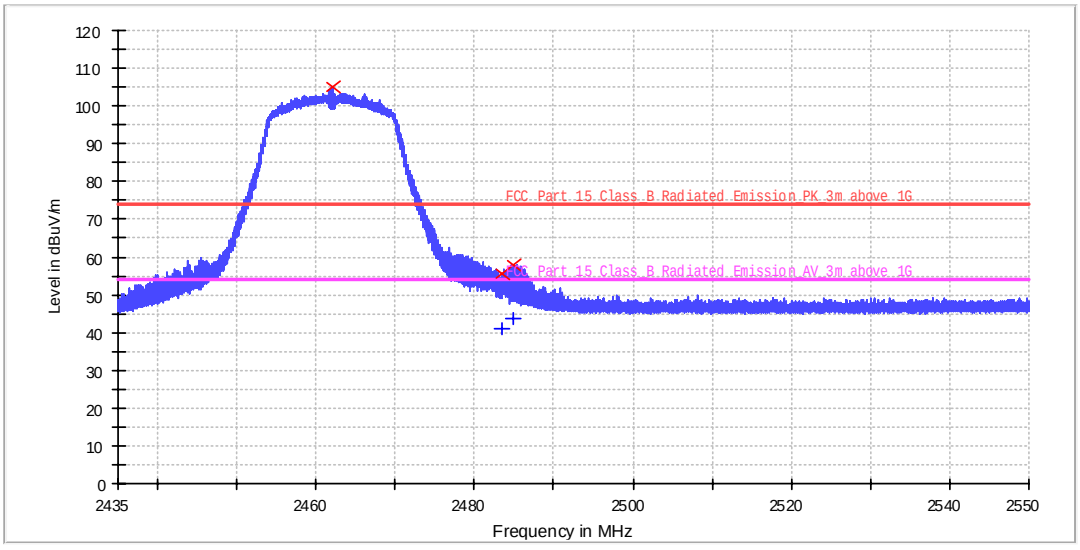


Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
2462.000000	104.9	---	250.0	H	115.0	-10.4	-30.9	74.0	---	---
2483.500000	53.1	40.3	150.0	H	319.0	-10.3	20.9	74.0	13.7	54.0
2485.600000	58.4	42.4	200.0	H	256.0	-10.3	15.6	74.0	11.6	54.0

RE_HF907_BRF_Pre



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 - AV (dB)	Limit - AV (dBuV/m)
2462.000000	105.1	---	250.0	V	215.0	-10.4	-31.1	74.0	---	---
2483.500000	55.6	41.2	200.0	V	333.0	-10.3	18.4	74.0	12.8	54.0
2484.800000	58.0	43.6	150.0	V	149.0	-10.3	16.0	74.0	10.4	54.0

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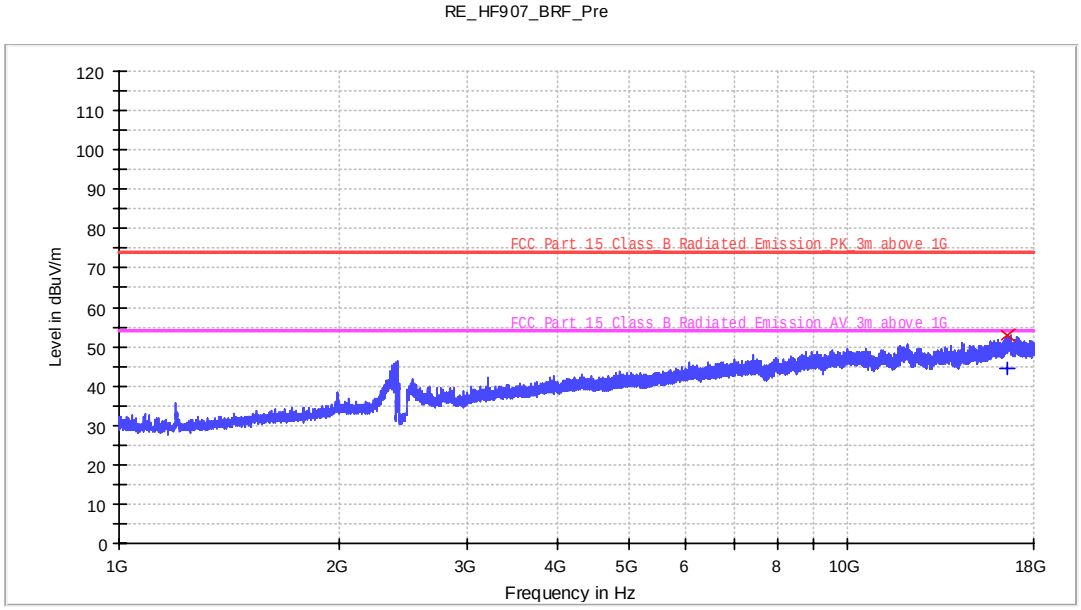
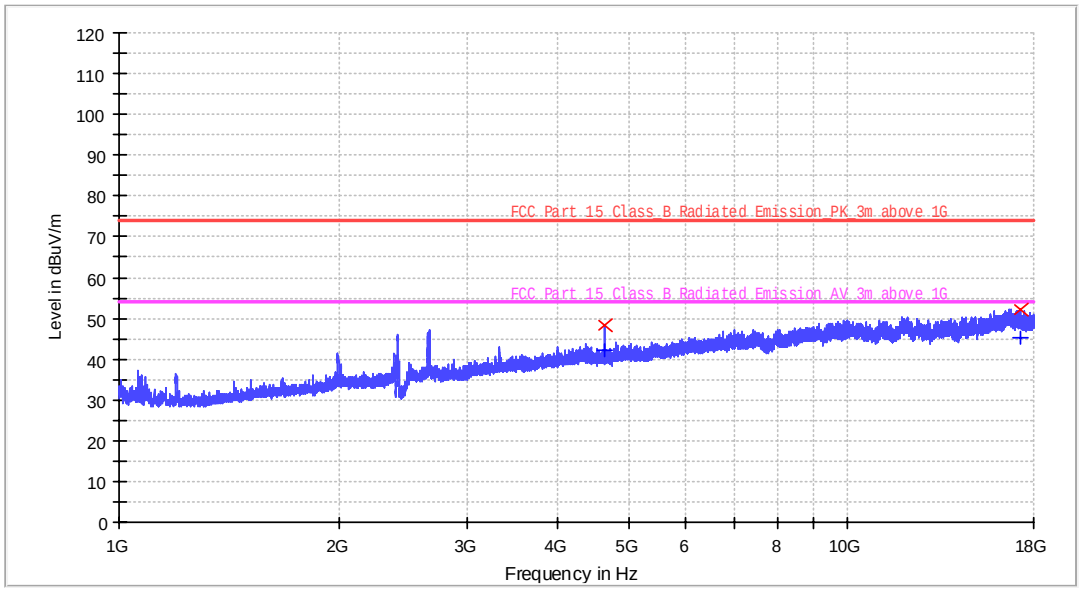
802.11N20:2412MHz



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
16537.000000	52.8	44.3	250.0	H	122.0	6.7	21.2	74.0	9.7	54.0



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
4648.600000	48.4	42.0	150.0	V	114.0	-3.5	25.7	74.0	12.0	54.0
17242.000000	52.2	45.2	200.0	V	293.0	7.3	21.8	74.0	8.8	54.0

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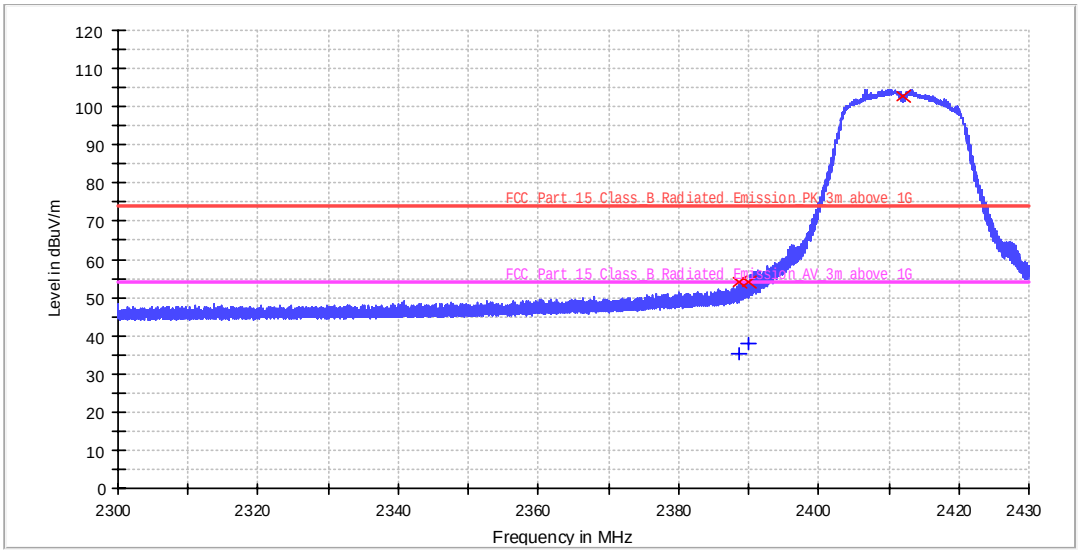
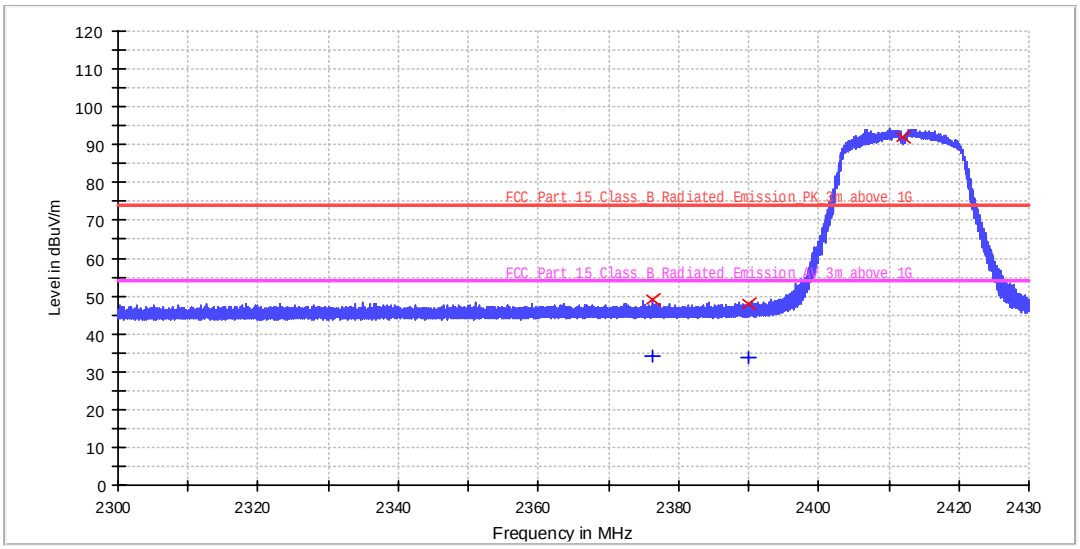
RE_HF907_BRF_Pre



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 - AV (dB)	Limit - AV (dBuV/m)
2388.733125	54.1	35.3	150.0	H	251.0	-10.8	19.9	74.0	18.7	54.0
2390.000000	54.0	37.8	300.0	H	153.0	-10.8	20.0	74.0	16.2	54.0
2412.000000	102.6	---	150.0	H	337.0	-10.7	-28.6	74.0	---	---

RE_HF907_BRF_Pre



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 - AV (dB)	Limit - AV (dBuV/m)
2376.273488	48.9	34.1	200.0	V	169.0	-10.8	25.1	74.0	19.9	54.0
2390.000000	48.0	33.6	300.0	V	241.0	-10.8	26.0	74.0	20.4	54.0
2412.000000	92.0	---	150.0	V	347.0	-10.7	-18.0	74.0	---	---

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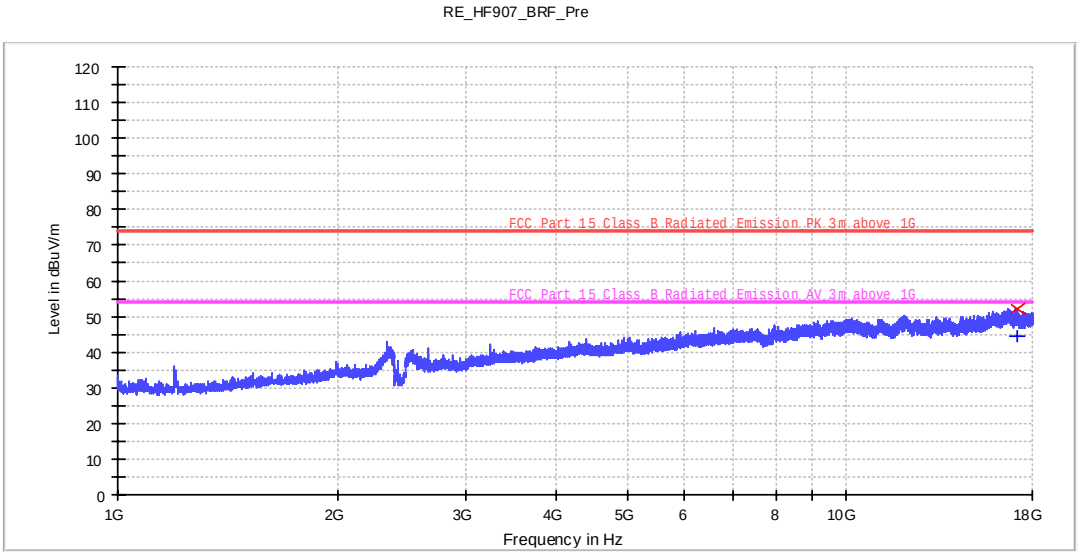
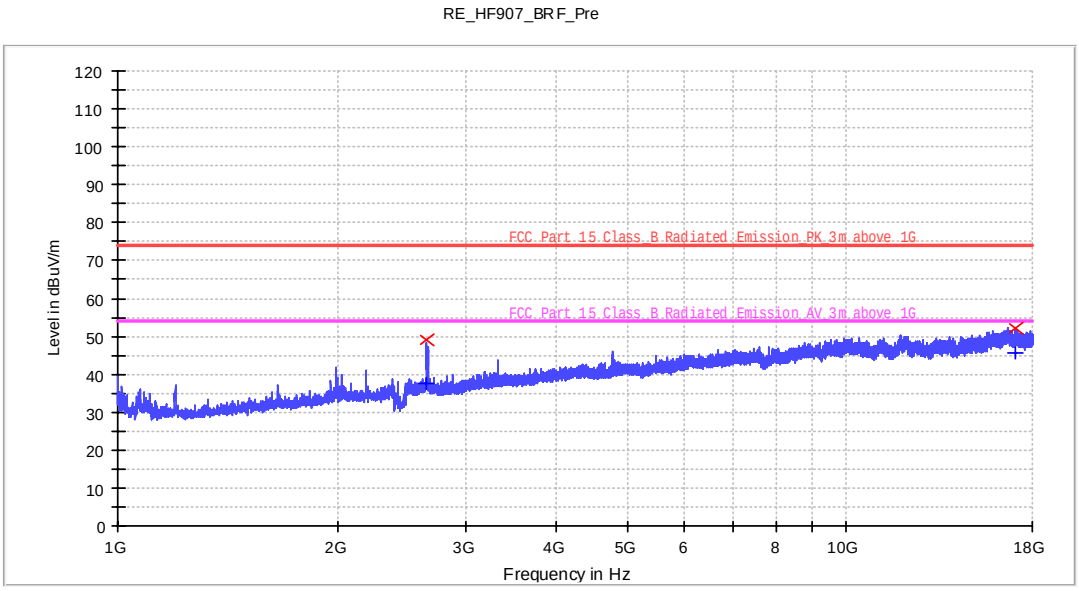
802.11N20:2437MHz



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
17114.500000	52.3	44.4	150.0	H	2.0	7.2	21.7	74.0	9.6	54.0



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
2658.100000	49.0	37.4	200.0	V	139.0	-9.6	25.0	74.0	16.6	54.0
17046.400000	52.3	45.5	150.0	V	225.0	7.1	21.7	74.0	8.5	54.0

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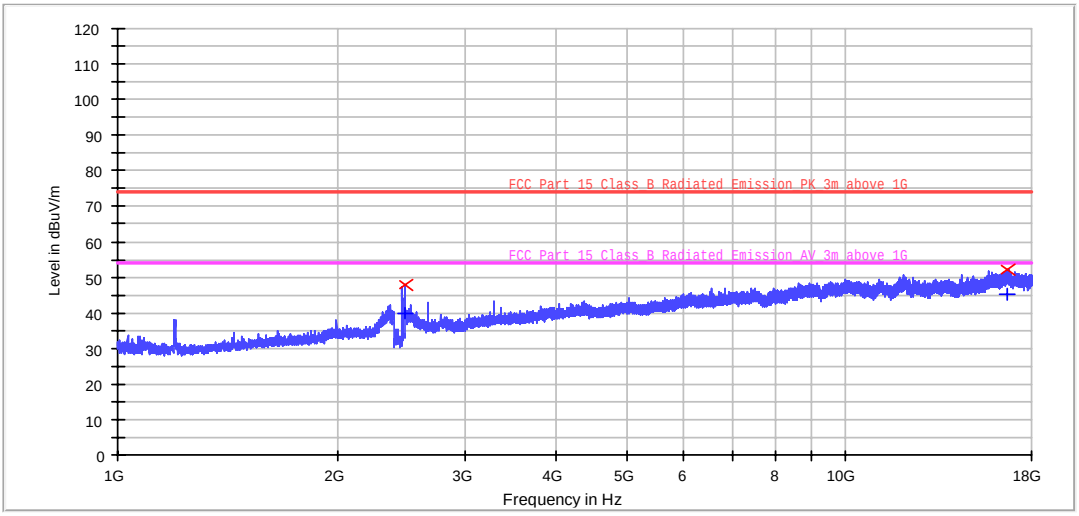
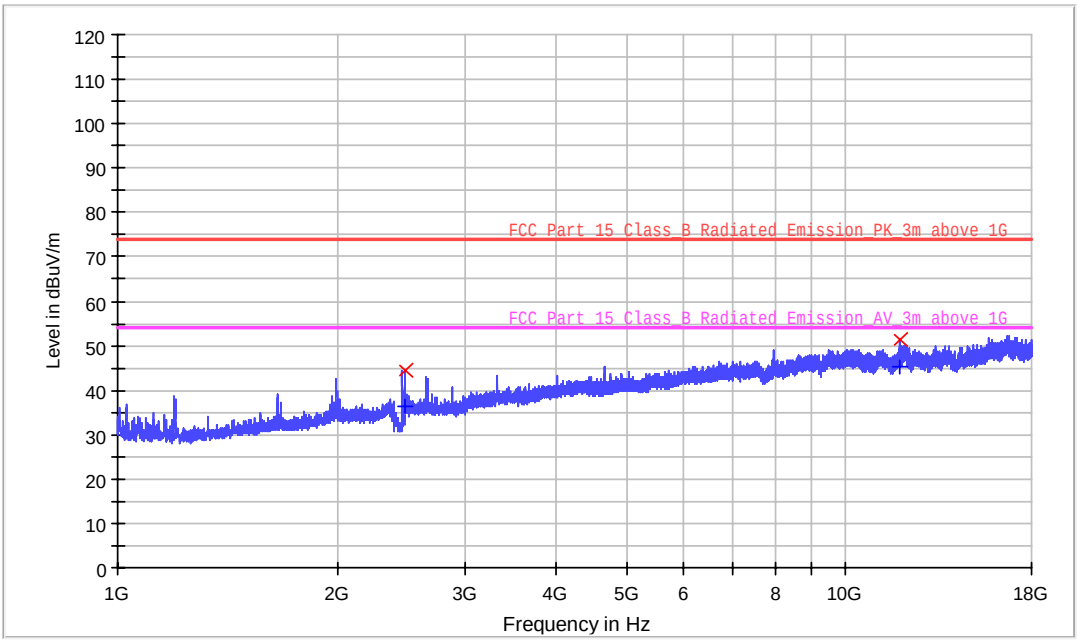


Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m
2483.800000	48.0	39.7	200.0	H	235.0	-10.3	26.0	74.0	14.3	54.0
16658.200000	52.1	45.3	150.0	H	182.0	7.0	21.9	74.0	8.7	54.0

RE_HF907_BRF_Pre



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
2483.800000	44.7	36.5	250.0	V	139.0	-10.3	29.3	74.0	17.5	54.0
11852.800000	51.5	45.2	150.0	V	315.0	5.1	22.5	74.0	8.8	54.0

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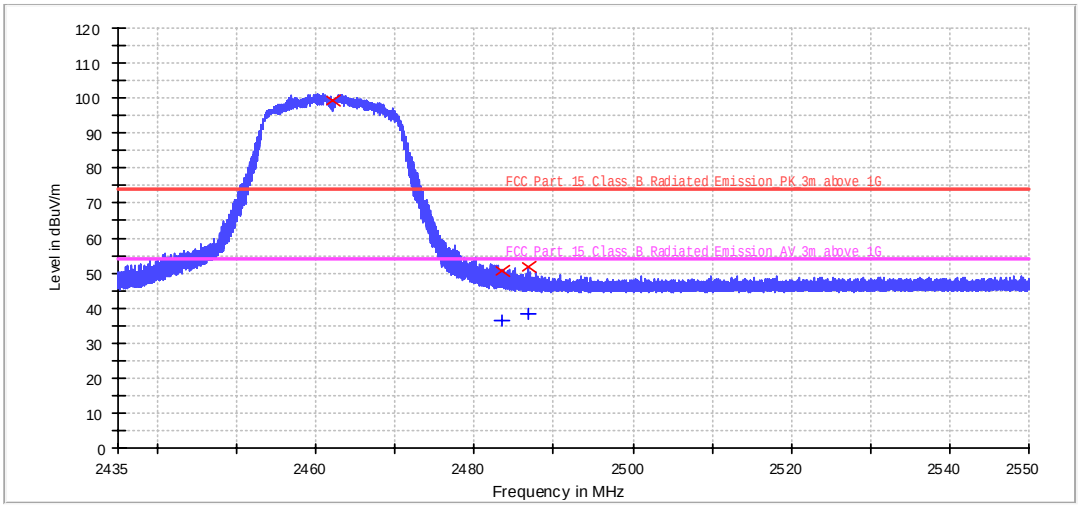
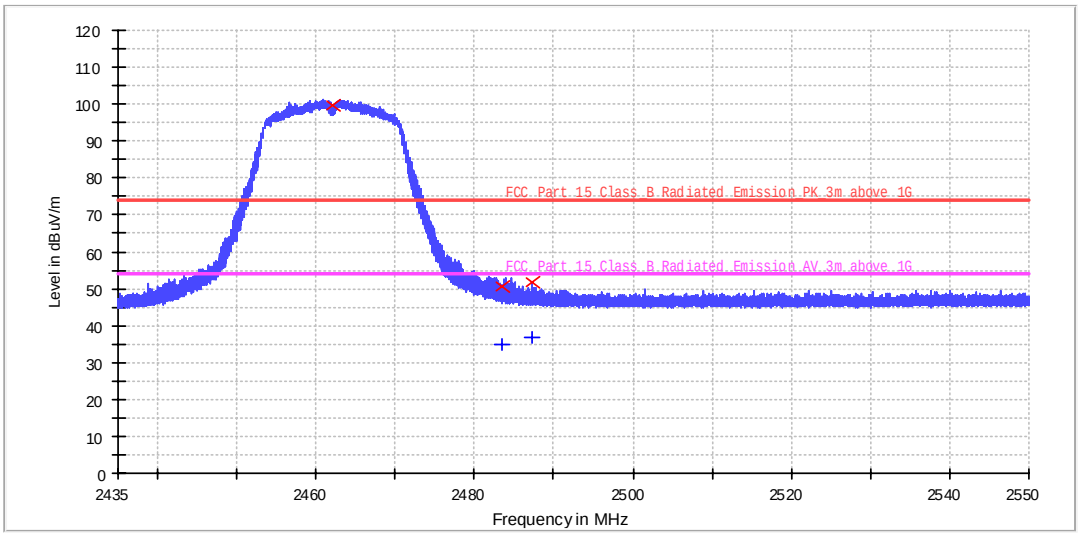
RE_HF907_BRF_Pre



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 - AV (dB)	Limit - AV (dBuV/m)
2462.000000	99.5	---	200.0	H	336.0	-10.4	-25.5	74.0	---	---
2483.500000	50.7	36.5	150.0	H	219.0	-10.3	23.3	74.0	17.6	54.0
2486.703281	51.8	38.2	250.0	H	313.0	-10.3	22.2	74.0	15.8	54.0

RE_HF907_BRF_Pre



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 - AV (dB)	Limit - AV (dBuV/m)
2462.000000	99.6	---	150.0	V	124.0	-10.4	-25.6	74.0	---	---
2483.500000	50.6	34.8	200.0	V	243.0	-10.3	23.4	74.0	19.2	54.0
2487.200000	51.8	36.8	150.0	V	173.0	-10.3	22.3	74.0	17.3	54.0

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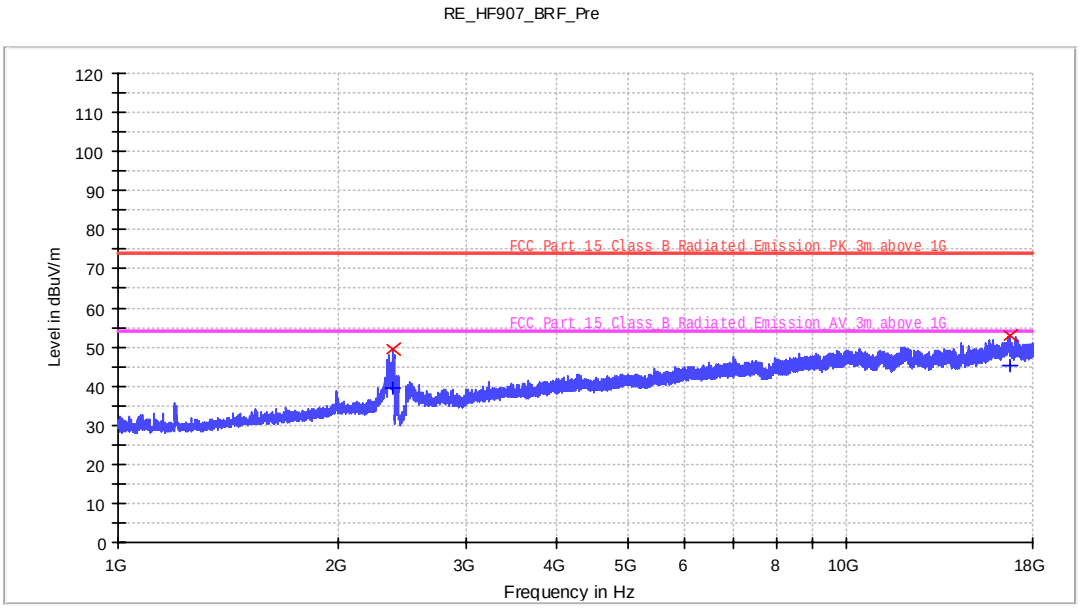
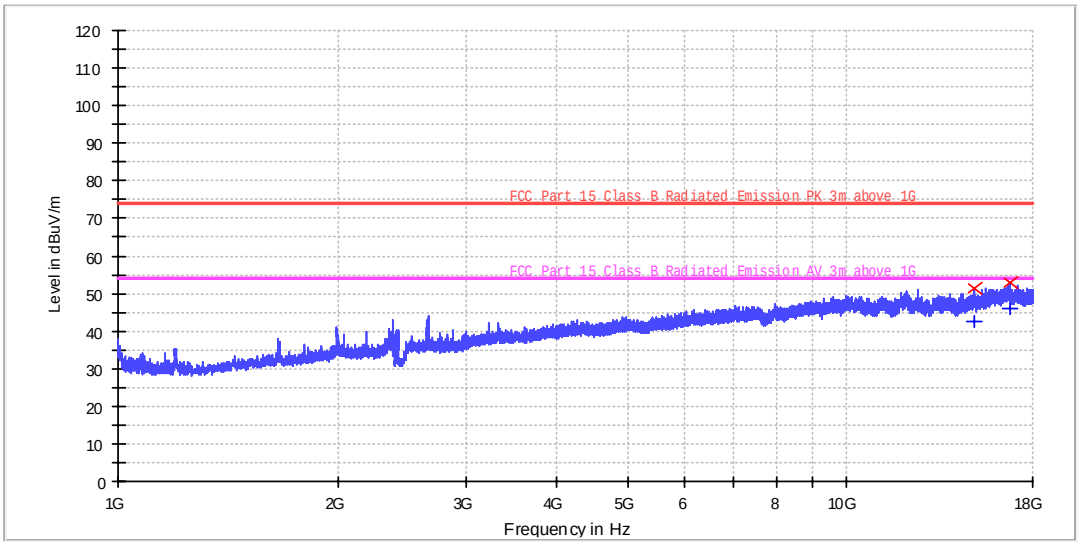
802.11N40:2422MHz



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
2388.700000	49.6	39.4	200.0	H	322.0	-10.8	24.4	74.0	14.6	54.0
16712.800000	52.8	45.2	150.0	H	135.0	7.1	21.2	74.0	8.8	54.0



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
14967.700000	51.5	42.6	200.0	V	119.0	4.8	22.5	74.0	11.4	54.0
16743.100000	52.9	45.8	150.0	V	217.0	7.1	21.1	74.0	8.2	54.0

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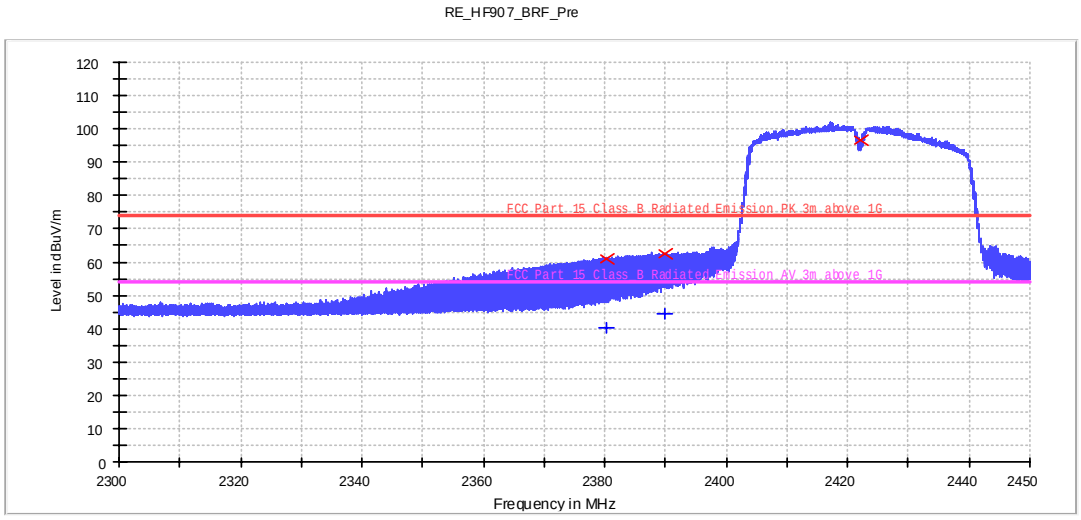
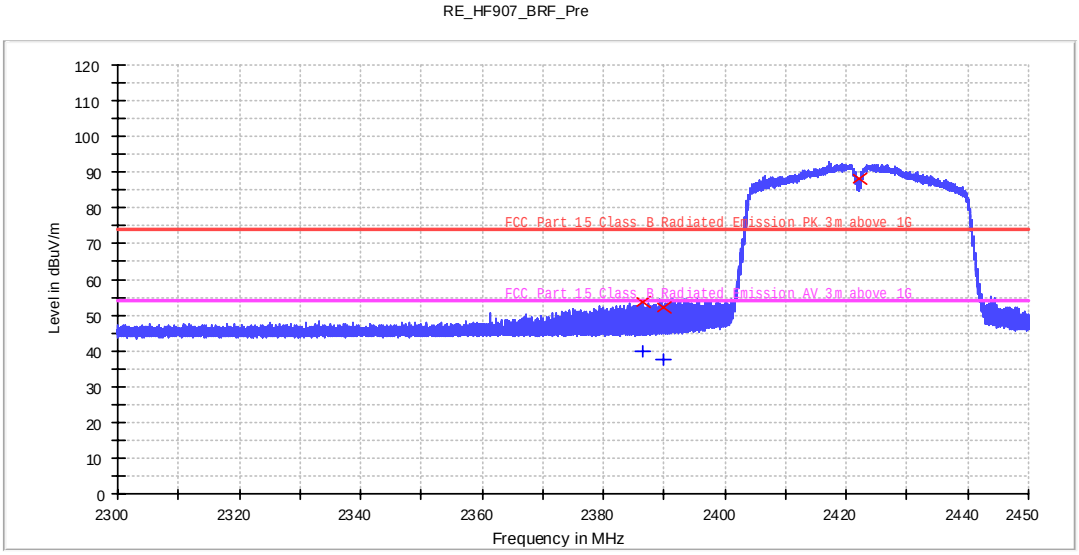


Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
2380.400000	61.0	40.2	200.0	H	219.0	-10.8	13.0	74.0	13.8	54.0
2390.000000	62.5	44.5	300.0	H	143.0	-10.8	11.5	74.0	9.5	54.0
2422.000000	96.7	---	150.0	H	326.0	-10.7	-22.7	74.0	---	---



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 - AV (dB)	Limit - AV (dBuV/m)
2386.573438	53.7	40.0	250.0	V	143.0	-10.8	20.3	74.0	14.0	54.0
2390.000000	52.2	37.6	150.0	V	285.0	-10.8	21.8	74.0	16.4	54.0
2422.000000	88.2	---	300.0	V	193.0	-10.7	-14.2	74.0	---	---

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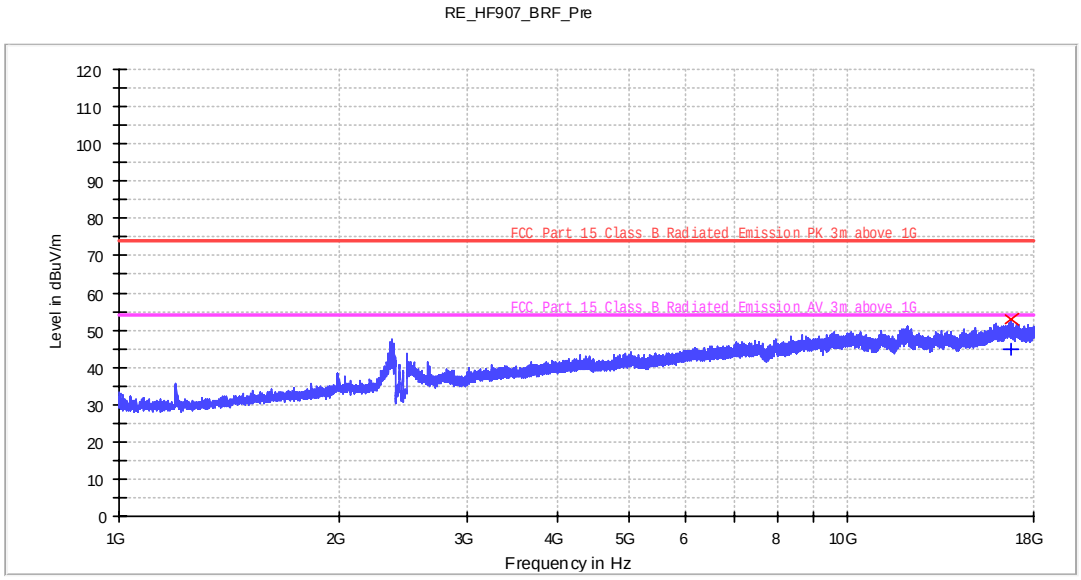
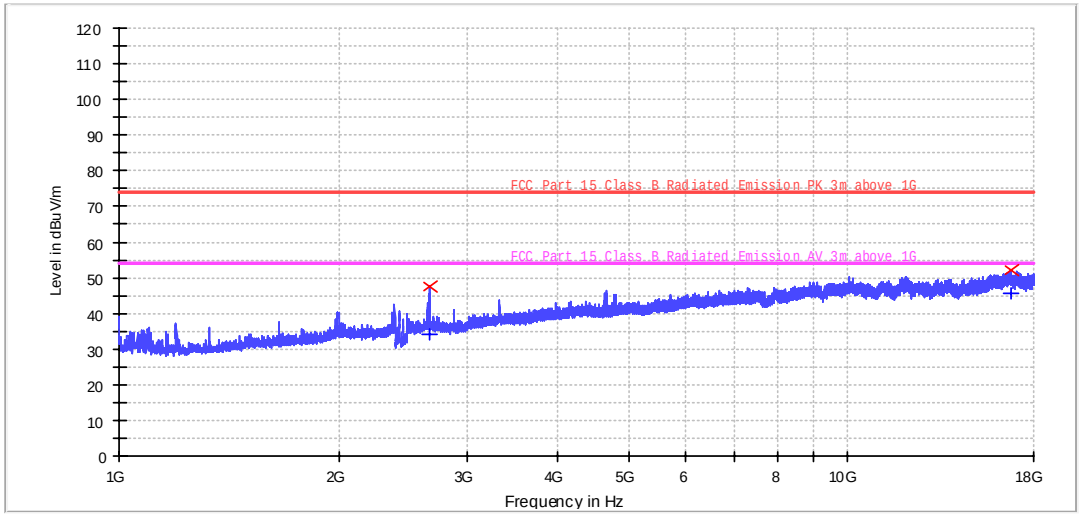
802.11N40:2437MHz



Limit and Margin

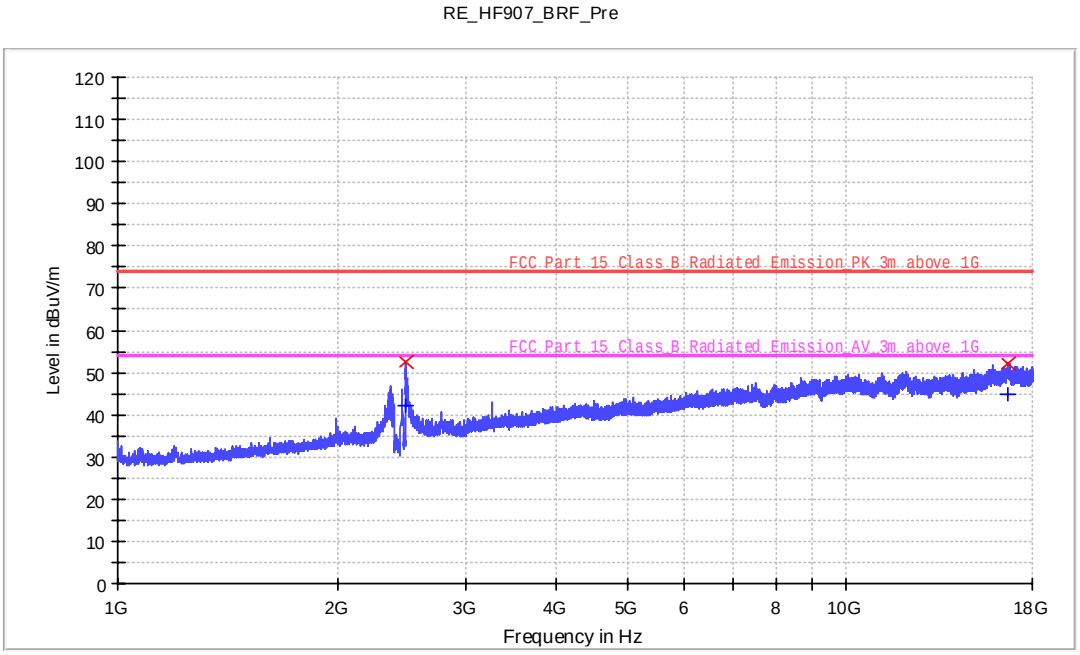
Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
16737.700000	52.7	44.7	150.0	H	228.0	7.1	21.3	74.0	9.3	54.0



Limit and Margin

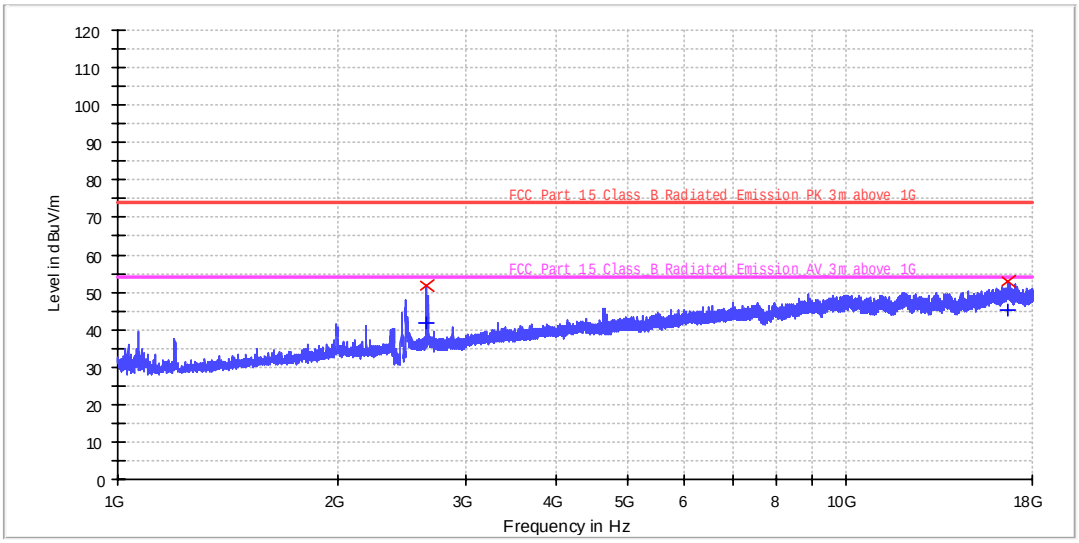
Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
2662.300000	47.4	34.3	150.0	V	243.0	-9.6	26.6	74.0	19.7	54.0
16798.300000	52.2	45.8	200.0	V	194.0	7.0	21.8	74.0	8.2	54.0

802.11N40:2452MHz



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
2485.900000	52.5	42.2	150.0	H	1.0	-10.3	21.5	74.0	11.8	54.0
16652.800000	52.1	45.0	150.0	H	1.0	7.0	21.9	74.0	9.0	54.0



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/m)	AV (dBuV/m)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
2656.900000	51.6	41.6	200.0	V	164.0	-9.6	22.4	74.0	12.4	54.0
16699.900000	53.0	45.3	200.0	V	328.0	7.1	21.0	74.0	8.7	54.0

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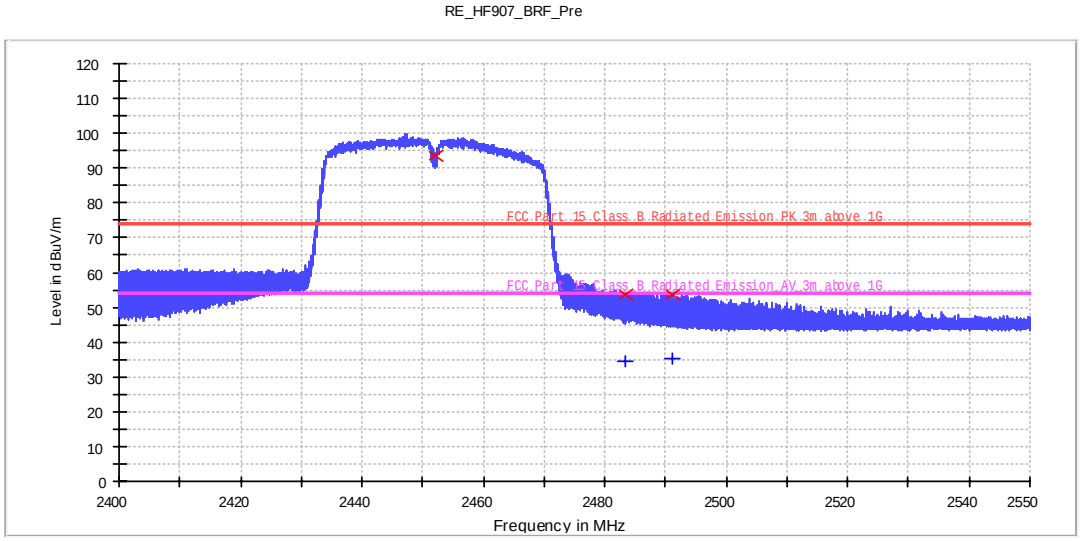
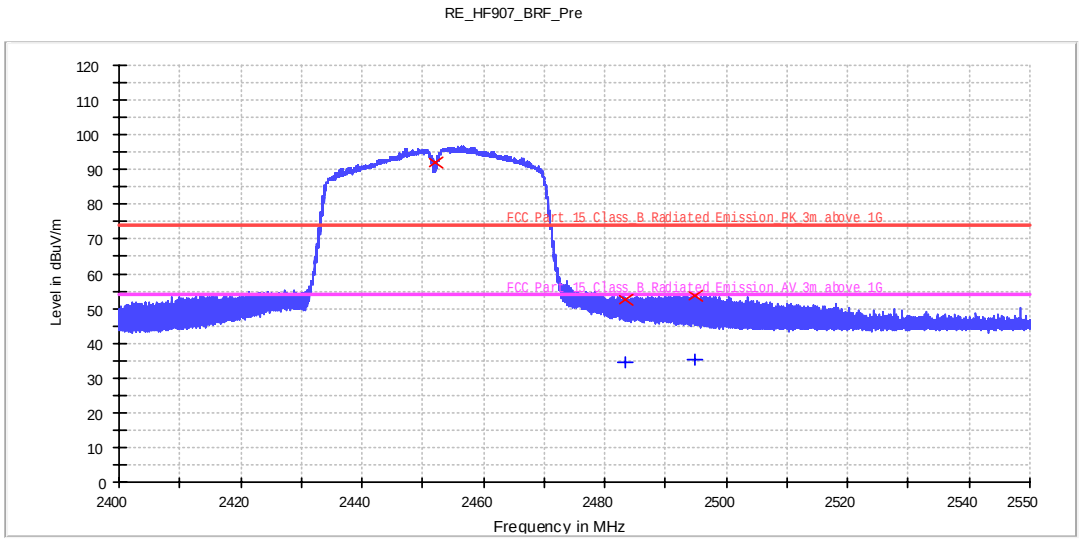


Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/	Average (dBuV/	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
2452.000000	93.6	---	250.0	H	195.0	-10.4	-19.6	74.0	---	---
2483.500000	53.6	34.6	150.0	H	257.0	-10.3	20.5	74.0	19.4	54.0
2491.200000	53.9	35.2	300.0	H	236.0	-10.3	20.1	74.0	18.8	54.0



Limit and Margin

Frequency (MHz)	MaxPeak (dBuV/	Average (dBuV/	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBuV/m)	Margin - AV (dB)	Limit - AV (dBuV/m)
2452.000000	92.1	---	200.0	V	241.0	-10.4	-18.1	74.0	---	---
2483.500000	52.7	34.6	150.0	V	139.0	-10.3	21.3	74.0	19.4	54.0
2494.800000	53.7	35.2	200.0	V	246.0	-10.3	20.3	74.0	18.8	54.0

Remark:

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

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Worst case Radiated Emission 18-25 GHz

18-25GHz Radiated Emission

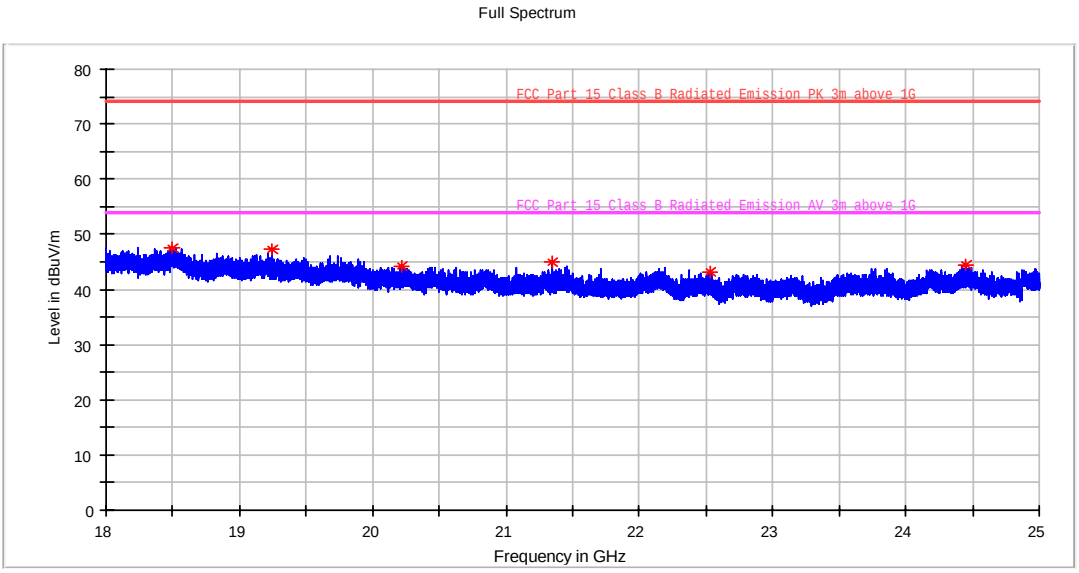
EUT Information

EUT Name:	DASH CAM
Model:	M800-2
Client:	70mai Co., Ltd.
Op Cond:	Power on and TX_2437MHz at 802.11 HT(n20) mode
Operator:	Chengjie Guo
Test Spec:	FCC 15.209 (a) and RSS-GEN 8.9
Comment:	Horizontal
Sample No:	SHA-899681-2

Sweep Setup: RE_3116C_pre [EMI radiated]

Hardware Setup:	RE_3116C
Receiver:	[FSV 40]
Level Unit:	dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
18 GHz - 25 GHz	500 kHz	PK+ ; AVG	1 MHz	0.05 s	0 dB



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18496.562500	47.58	74.00	26.42	100.0	H	149.0	8.1
19245.125000	47.17	74.00	26.83	100.0	H	64.0	8.2
20214.406250	44.20	74.00	29.80	100.0	H	96.0	8.3
21340.750000	45.00	74.00	29.00	100.0	H	280.0	8.6
22524.625000	43.31	74.00	30.69	100.0	H	96.0	8.9
24448.531250	44.46	74.00	29.54	100.0	H	284.0	9.0

Remark:

(4) Emission level= Original Receiver Reading + Correct Factor
(5) Correct Factor = Antenna Factor + Cable Loss -Amplifier gain
(6) Margin = limit – Corrected Reading

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18-25GHz Radiated Emission

EUT Information

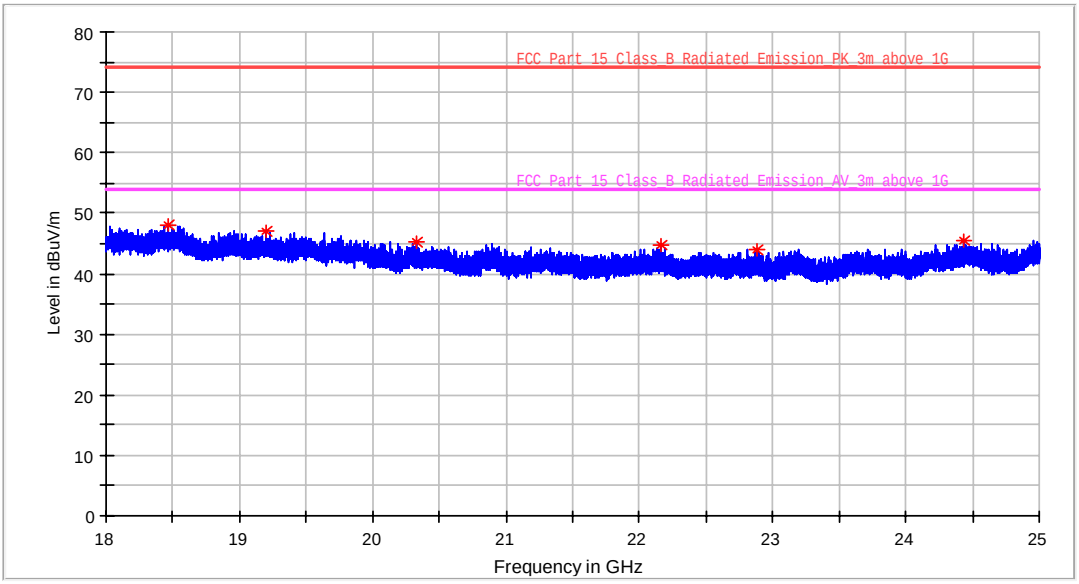
EUT Name:	DASH CAM
Model:	M800-2
Client:	70mai Co., Ltd.
Op Cond:	Power on and TX_2437MHz at 802.11 HT(n20) mode
Operator:	Chengjie Guo
Test Spec:	FCC 15.209 (a) and RSS-GEN 8.9
Comment:	Vertical
Sample No:	SHA-899681-2

Sweep Setup: RE_3116C_pre [EMI radiated]

Hardware Setup:	RE_3116C
Receiver:	[FSV 40]
Level Unit:	dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
18 GHz - 25 GHz	500 kHz	PK+ ; AVG	1 MHz	0.05 s	0 dB

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18467.906250	47.96	74.00	26.04	100.0	V	346.0	8.1
19194.593750	46.93	74.00	27.07	100.0	V	264.0	8.2
20324.437500	45.21	74.00	28.79	100.0	V	143.0	8.3
22168.500000	44.81	74.00	29.19	100.0	V	256.0	8.8
22889.281250	44.08	74.00	29.92	100.0	V	199.0	8.9
24435.187500	45.59	74.00	28.41	100.0	V	197.0	9.0

Remark:

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

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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	2025-2-19	2026-2-18
	Wideband power sensor	Rohde & Schwarz	NRP-Z81	105903	2025-2-19	2026-2-18
	10dB Attenuator	Aeroflex Weinschel	CG-4689	93459	2025-2-19	2026-2-18
RE	EMI Test Receiver	Rohde & Schwarz	ESR3	101906	2024-8-1	2025-7-31
	Signal Analyzer	Rohde & Schwarz	FSV40	101091	2024-8-1	2025-7-31
	Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9168	961	2024-8-30	2025-8-29
	Double-ridged waveguide horn antenna	Rohde & Schwarz	HF907	102868	2024-4-14	2025-4-13
	Pre-amplifier	Shenzhen HzEMC	HPA-081843	HYPA23026	2024-4-14	2025-4-13
	Loop antenna	Rohde & Schwarz	HFH2-Z2	100443	2024-6-26	2025-6-25
	Double Ridged Horn Antenna	ETS-Lindgren	3116C	00246076	2023-7-7	2026-7-6
	3m Semi-anechoic chamber	TDK	9X6X6	----	2024-5-8	2027-5-7
	Band reject filter	Wainwright	WRCGV10-2382-2402-2480-2500-52SS	38	2024-8-1	2025-7-31
	Coaxial Cable	----	----	RE Cable 01	2024-8-1	2025-7-31
	Coaxial Cable	----	----	RE Cable 02	2024-8-1	2025-7-31
	Coaxial Cable	----	----	RE Cable 03	2024-8-1	2025-7-31
	Coaxial Cable	----	----	RE Cable 04	2024-8-1	2025-7-31

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

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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	30MHz to 1GHz, 5.03dB (Horizontal) 5.12dB (Vertical) 1GHz to 18GHz, 5.49dB 18GHz to 40GHz, 5.63dB
Carrier power conducted measurement	50MHz~18GHz, 1.238dB
Spurious Emission Conducted Measurement	9kHz ~40GHz, 1.224dB

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.

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13 Photographs of Test Set-ups

Refer to the < Test Setup photos >.

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14 Photographs of EUT

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

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

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