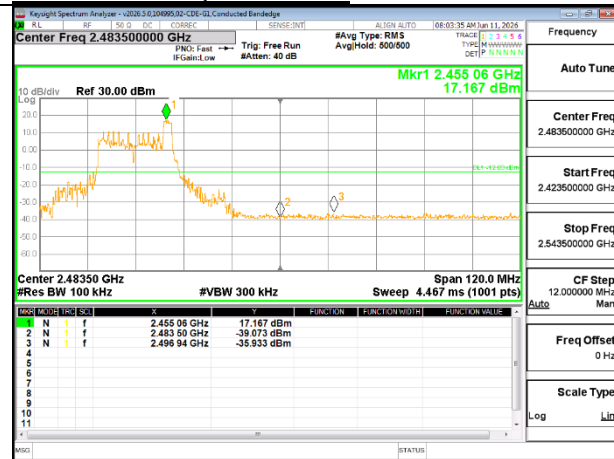
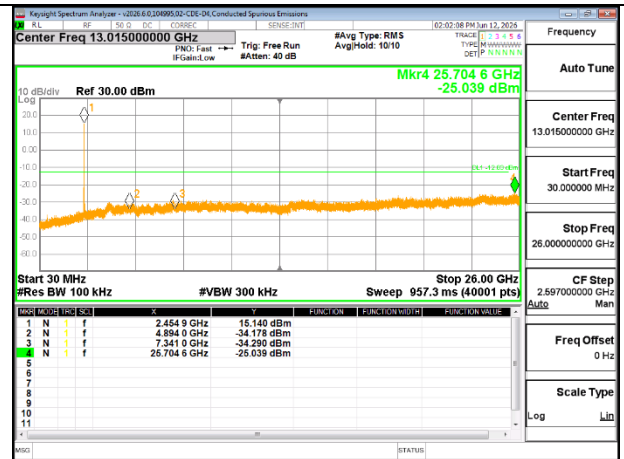
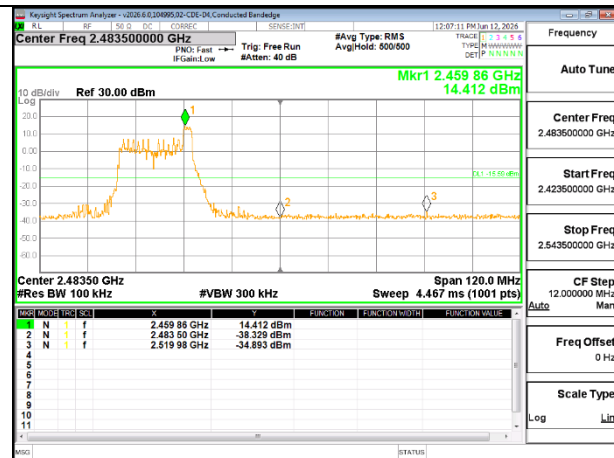
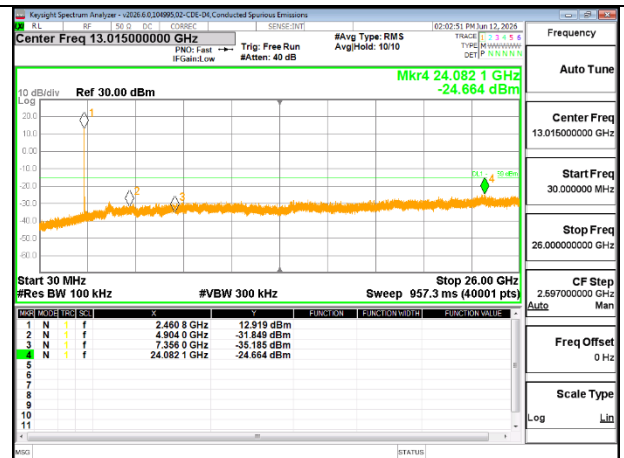
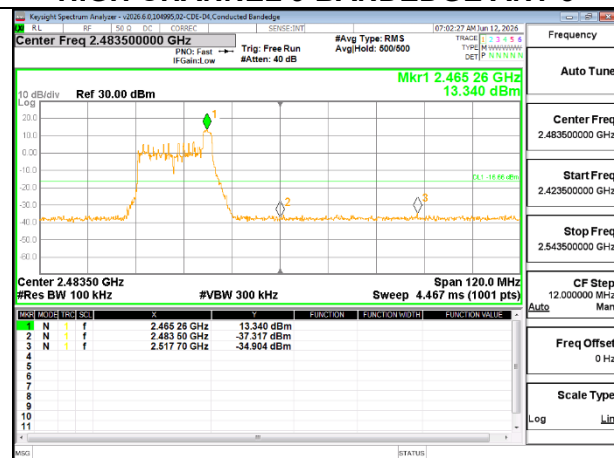
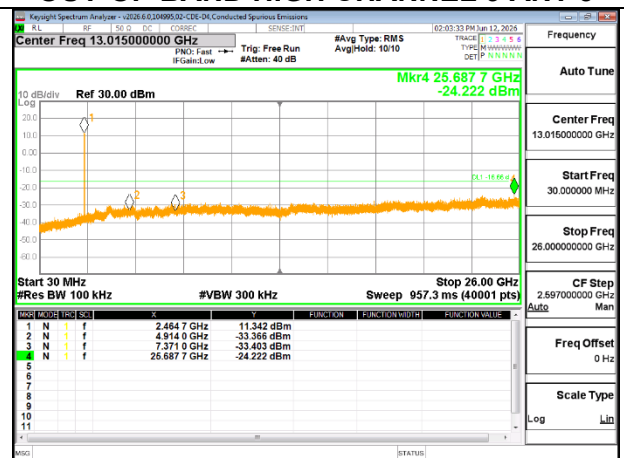
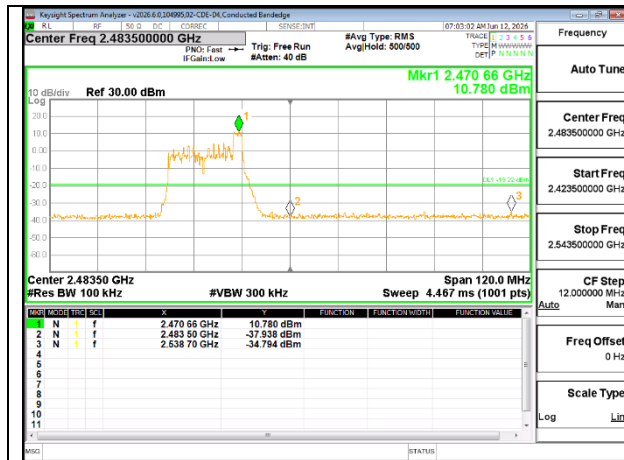
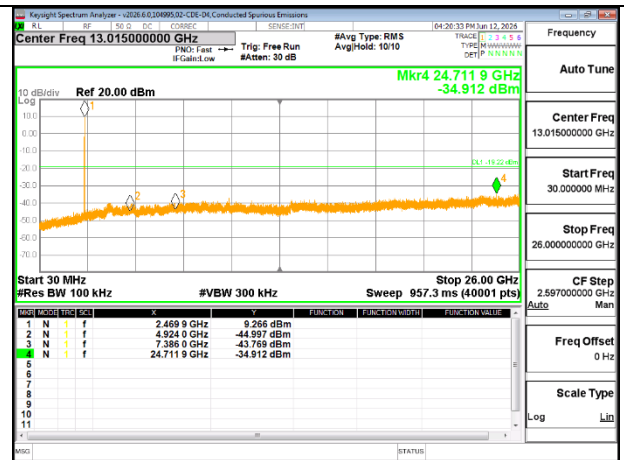


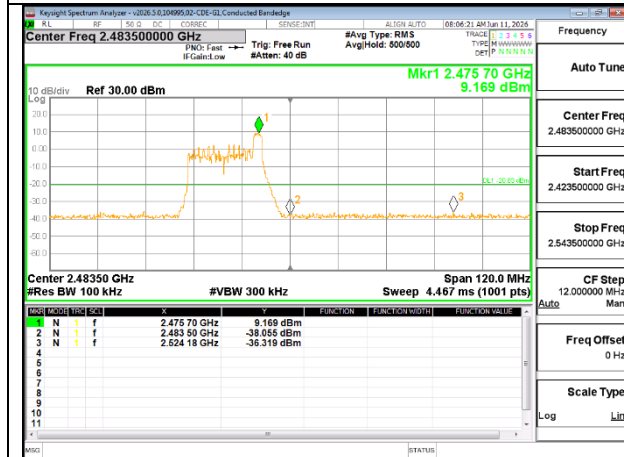
ANT 3: 26-Tone, RU Index 8**HIGH CHANNEL 8 BANDEDGE ANT 3****OUT-OF-BAND HIGH CHANNEL 8 ANT 3****HIGH CHANNEL 9 BANDEDGE ANT 3****OUT-OF-BAND HIGH CHANNEL 9 ANT 3****HIGH CHANNEL 10 BANDEDGE ANT 3****OUT-OF-BAND HIGH CHANNEL 10 ANT 3**



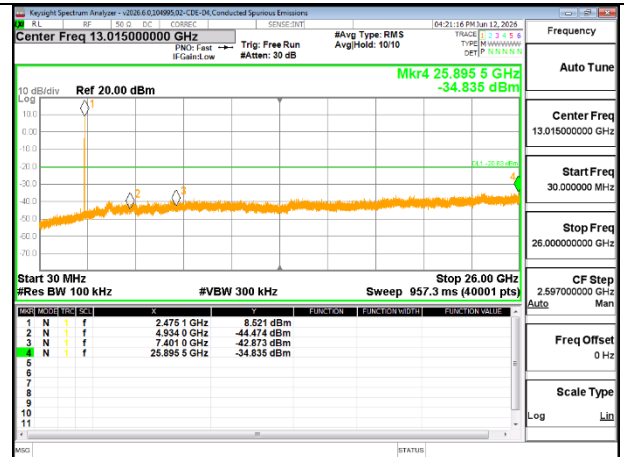
HIGH CHANNEL 11 BANDEDGE ANT 3



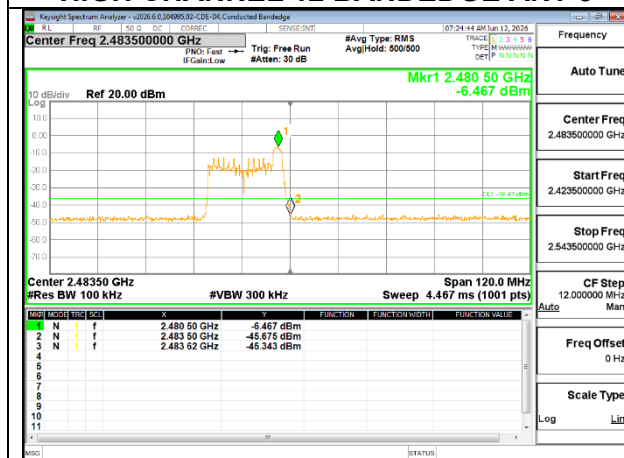
OUT-OF-BAND HIGH CHANNEL 11 ANT 3



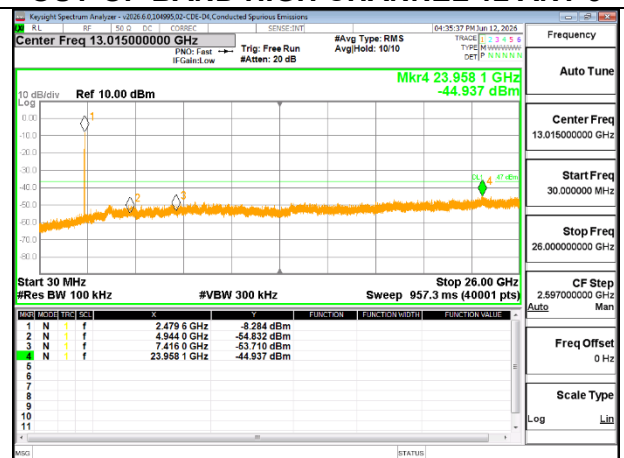
HIGH CHANNEL 12 BANDEDGE ANT 3



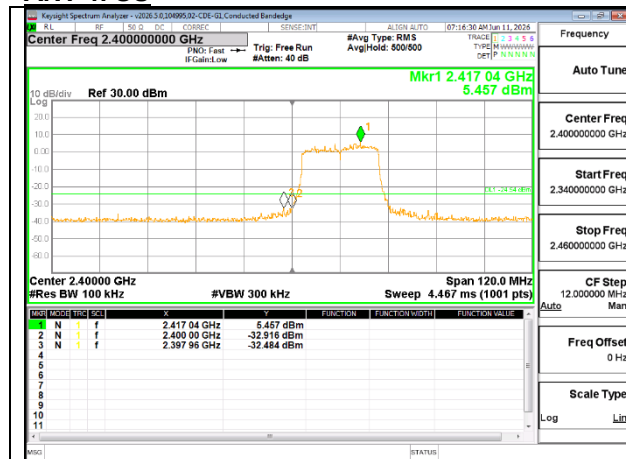
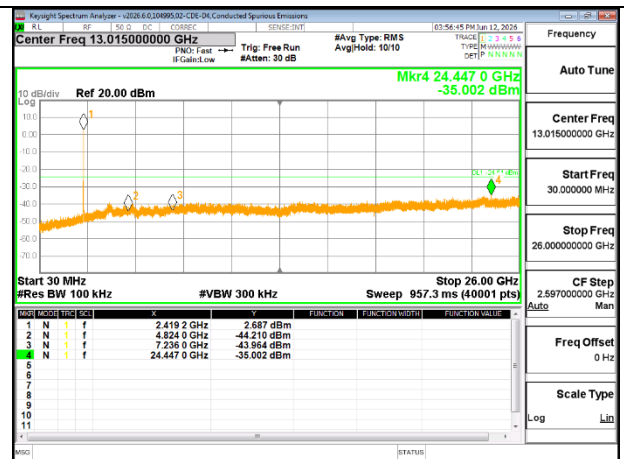
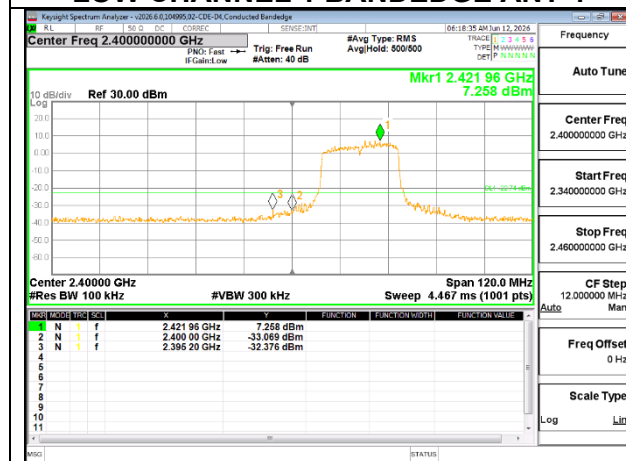
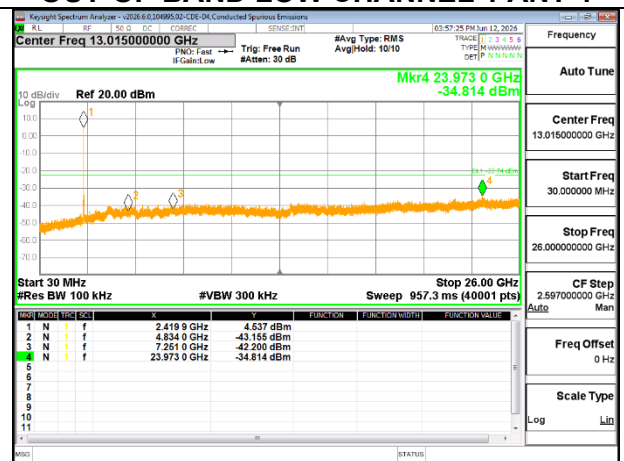
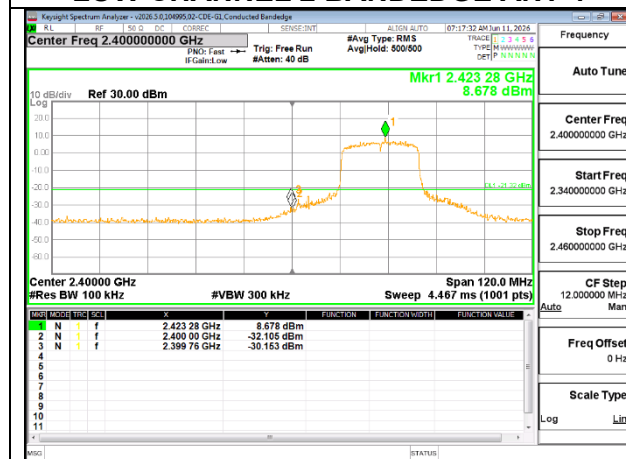
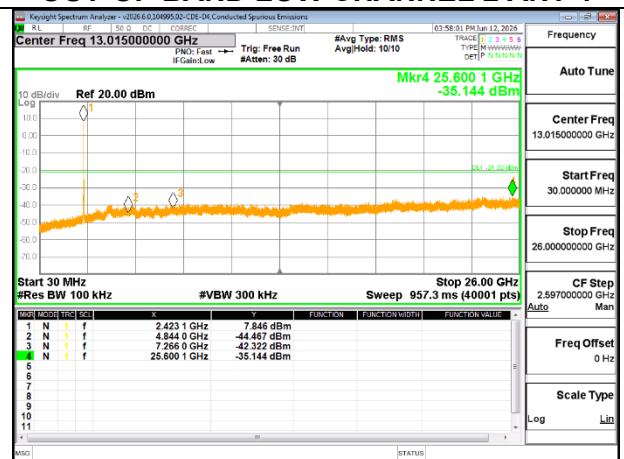
OUT-OF-BAND HIGH CHANNEL 12 ANT 3

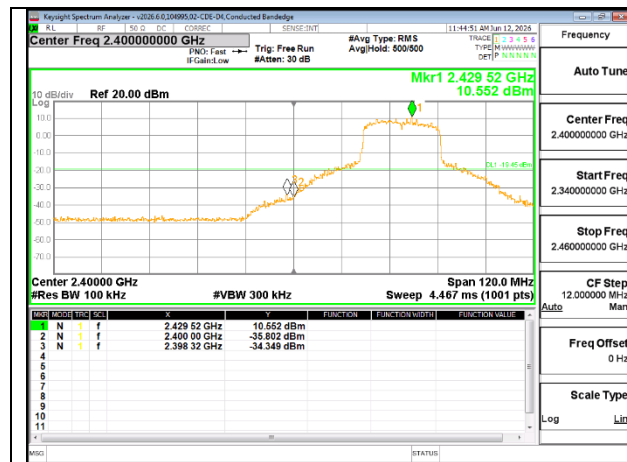


HIGH CHANNEL 13 BANDEDGE ANT 3

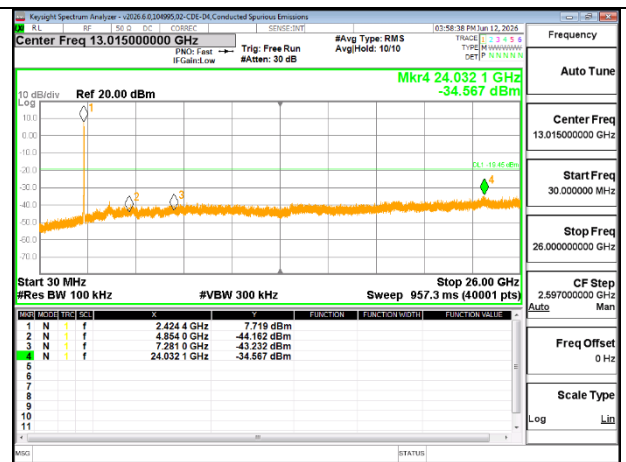


OUT-OF-BAND HIGH CHANNEL 13 ANT 3

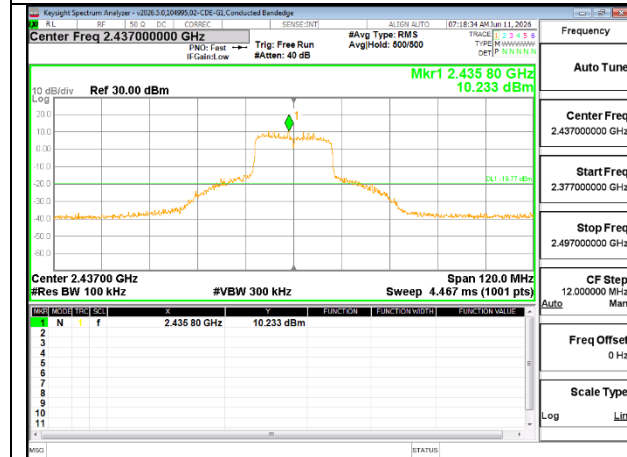
2TX ANT 4 + ANT 3 MODE: SU Mode**ANT 4: SU****LOW CHANNEL 1 BANDEDGE ANT 4****OUT-OF-BAND LOW CHANNEL 1 ANT 4****LOW CHANNEL 2 BANDEDGE ANT 4****OUT-OF-BAND LOW CHANNEL 2 ANT 4****LOW CHANNEL 3 BANDEDGE ANT 4****OUT-OF-BAND LOW CHANNEL 3 ANT 4**



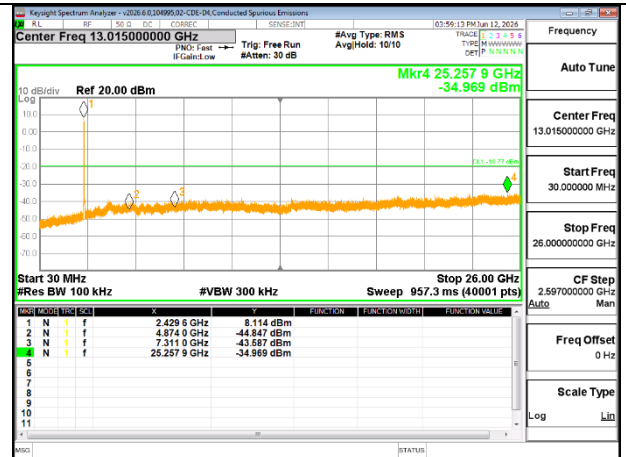
LOW CHANNEL 4 BANDEDGE ANT 4



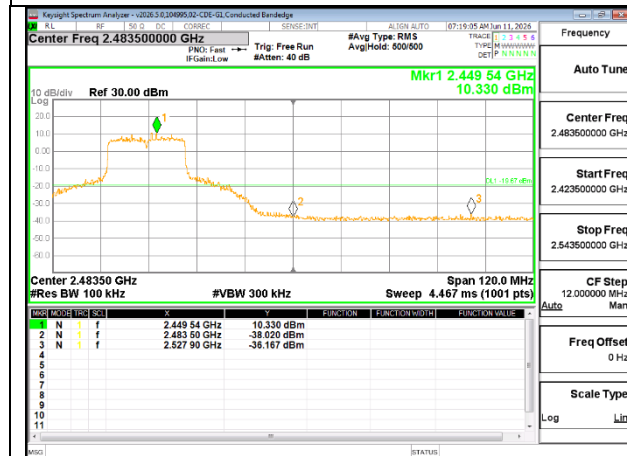
OUT-OF-BAND LOW CHANNEL 4 ANT 4



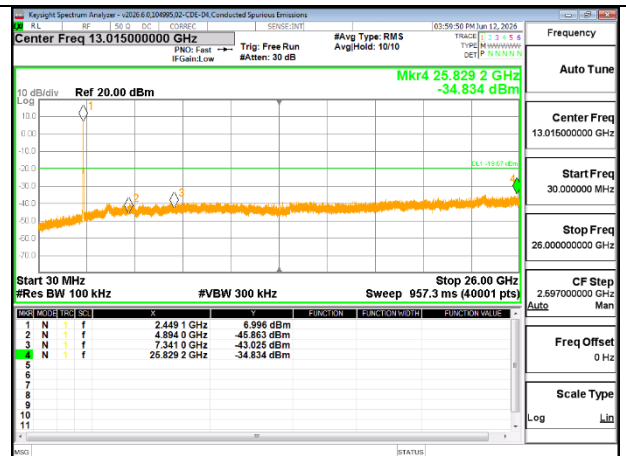
IN-BAND REFERENCE LEVEL ANT 4



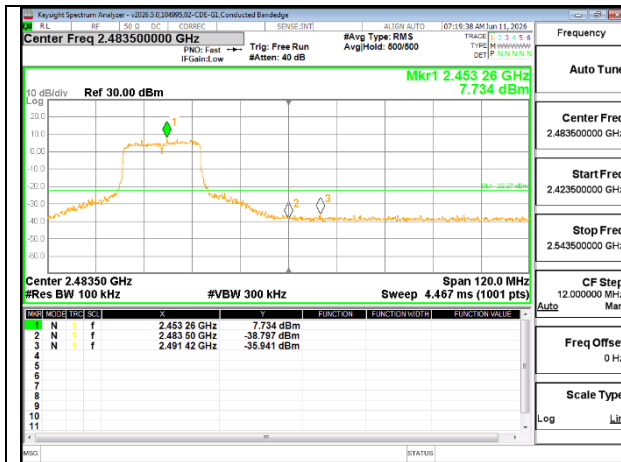
OUT-OF-BAND MID CHANNEL ANT 4



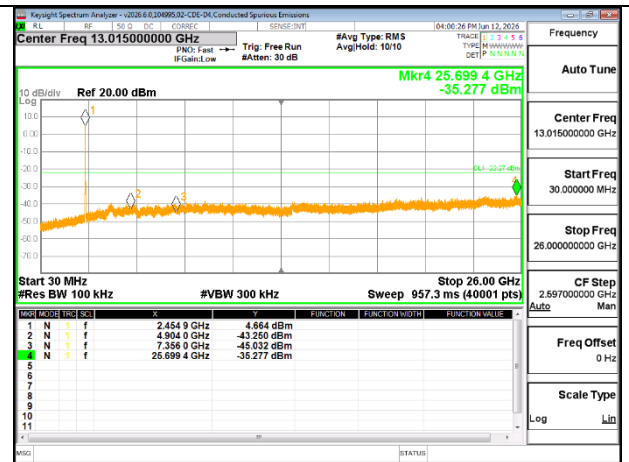
HIGH CHANNEL 8 BANDEDGE ANT 4



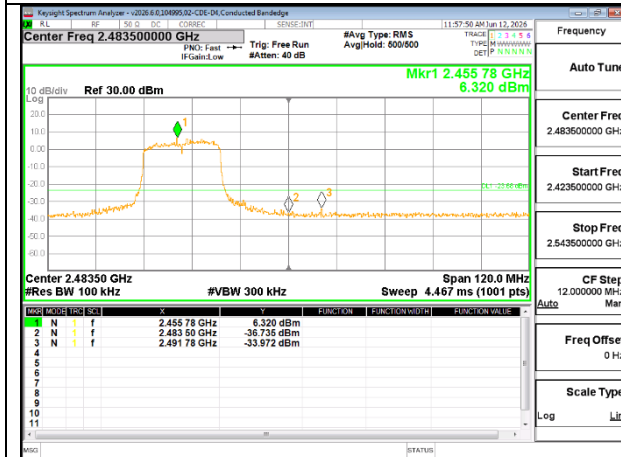
OUT-OF-BAND HIGH CHANNEL 8 ANT 4



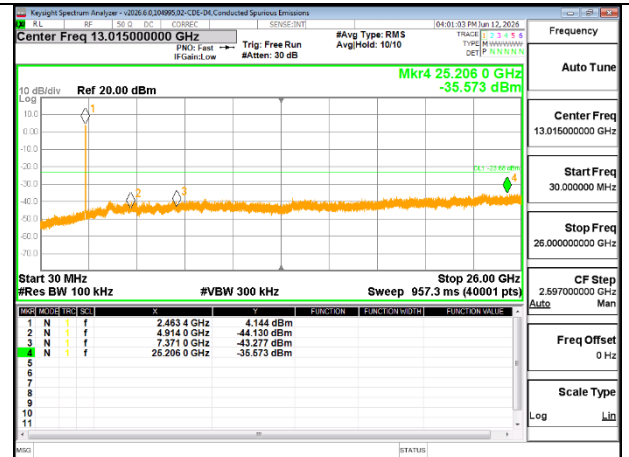
HIGH CHANNEL 9 BANDEDGE ANT 4



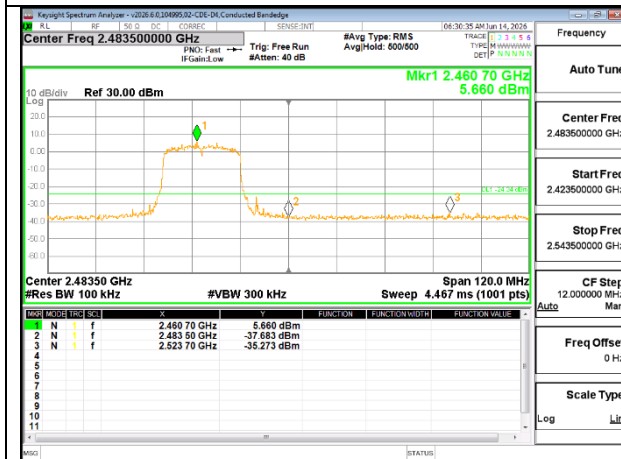
OUT-OF-BAND HIGH CHANNEL 9 ANT 4



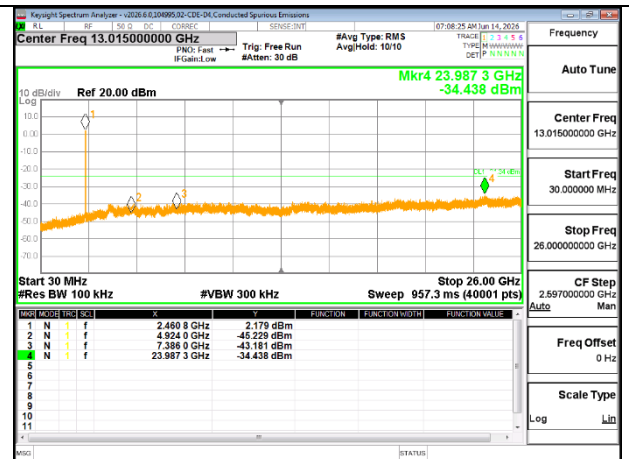
HIGH CHANNEL 10 BANDEDGE ANT 4



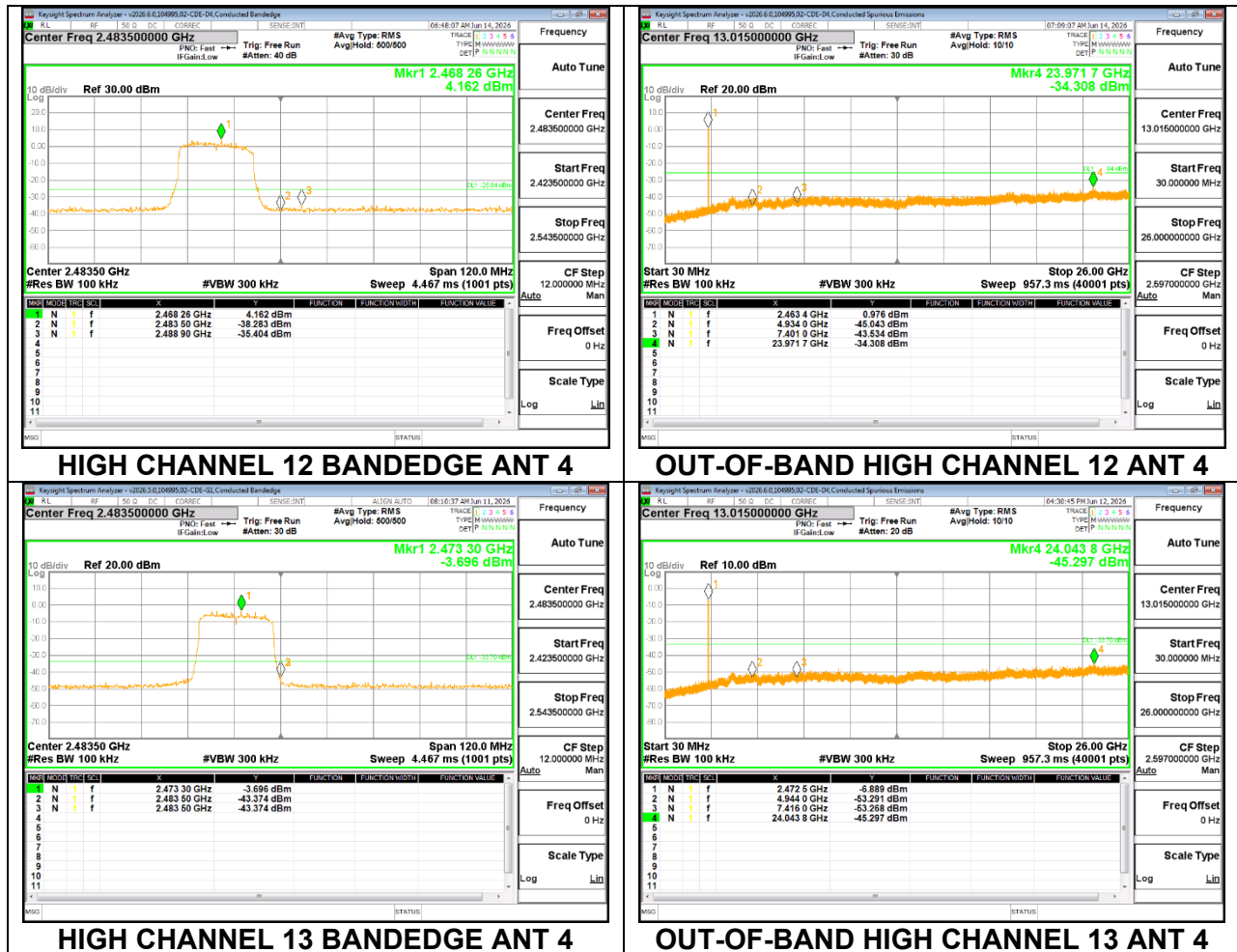
OUT-OF-BAND HIGH CHANNEL 10 ANT 4



HIGH CHANNEL 11 BANDEDGE ANT 4



OUT-OF-BAND HIGH CHANNEL 11 ANT 4



[illegible]

Keysight Spectrum Analyzer - 42046-010000-01 CDE-QM Connected Spurious Emitters

ML RF SW D DC CORRECT SENSE UNIT (04:02:51 PM Jun 10, 2020)

Center Freq 13.015000000 GHz #Avg Type: RMS Avg Hold: 10/10

Trace 1 2 3 4 5 6

PKG: Last IF Gain: low Trig: Free Run #Att: 30 dB

DEF: N N N N N N N

Auto Tune

Center Freq 13.015000000 GHz

Start Freq 30.000000 MHz

Stop Freq 26.000000 GHz

CF Step 2.567000000 GHz

Auto Man

Ref 20.00 dBm

Mkr 25.728 0 GHz -34.896 dBm

Start 30 MHz

Res BW 100 kHz #VBW 300 kHz Sweep 957.3 ms (40001 pts)

Stop 26.00 GHz

Chan	Freq	Power	dBm	dBm/Hz	dBm/100Hz	dBm/1000Hz
1	N	1	2.408 2 GHz	1.311 dBm		
2	N	1	4.824 3 GHz	-44.772 dBm		
3	N	1	7.236 3 GHz	-43.142 dBm		
4	N	1	25.728 3 GHz	-34.896 dBm		

Log Lin

STATUS

[illegible]

Frequency

Auto Tune

Center Freq
13.015000000 GHz

Start Freq
30.000000 MHz

Stop Freq
26.000000000 GHz

CF Step
2.597000000 GHz

Auto Man

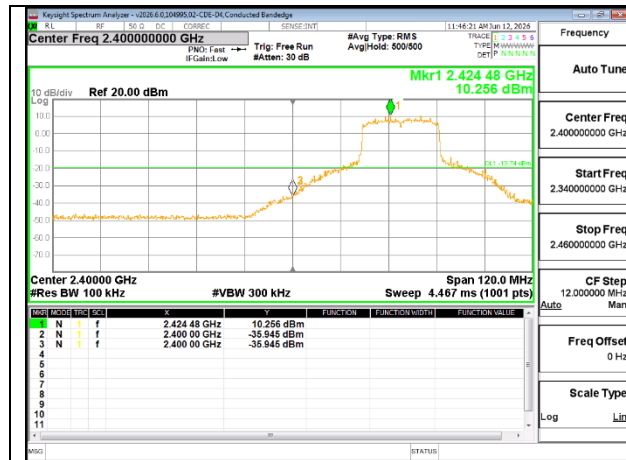
Freq Offset
0 Hz

Scale Type
Log Lin

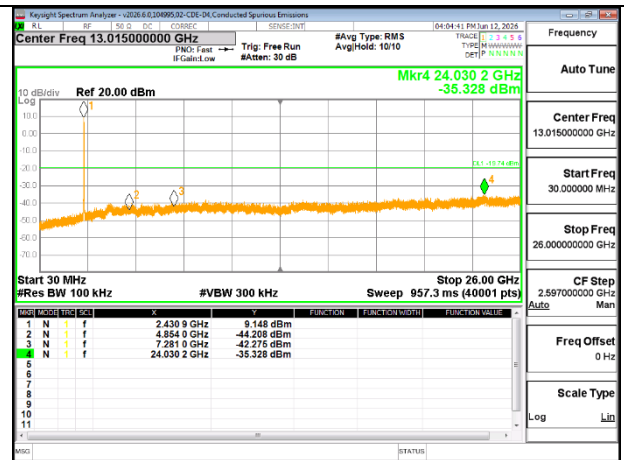
Chan	Freq (Hz)	Power (dBm)	Power (dBmV)	Power (dBmV)
1	2.419 GHz	-3230 dBm		
2	4.834 GHz	-46.133 dBm		
3	7.251 GHz	-41.882 dBm		
4	24.000 GHz	-34.628 dBm		

[illegible][illegible]

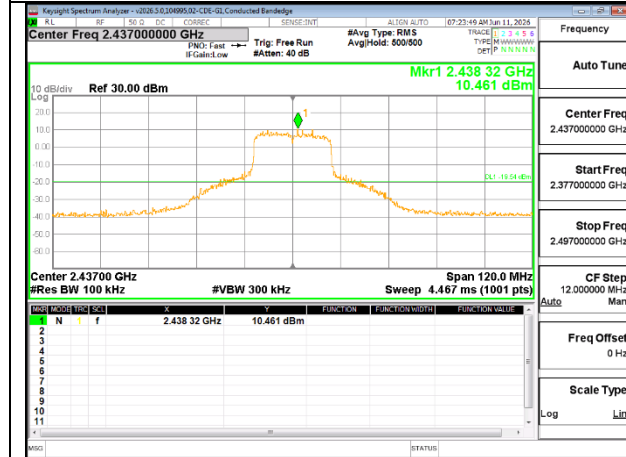
OUT-OF-BAND LOW CHANNEL 3 ANT 3



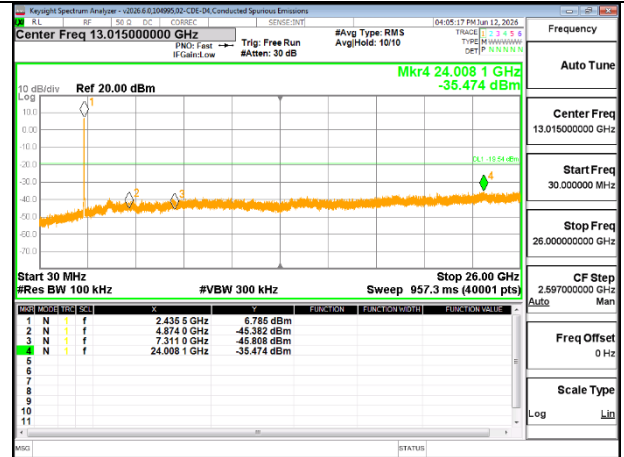
LOW CHANNEL 4 BANDEDGE ANT 3



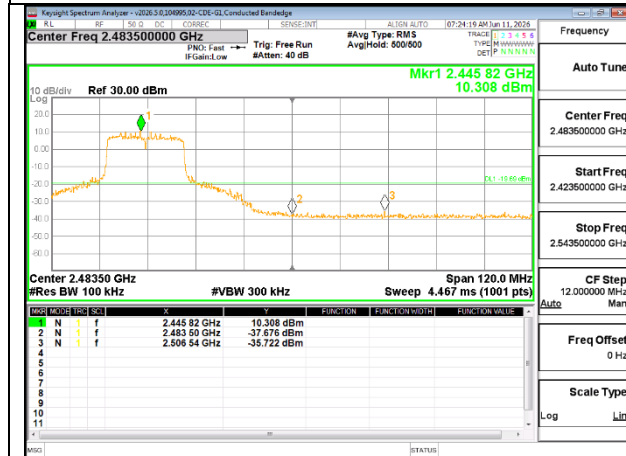
OUT-OF-BAND LOW CHANNEL 4 ANT 3



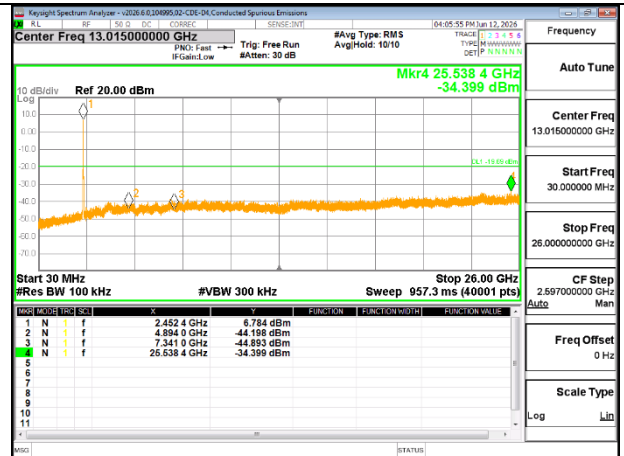
IN-BAND REFERENCE LEVEL ANT 3



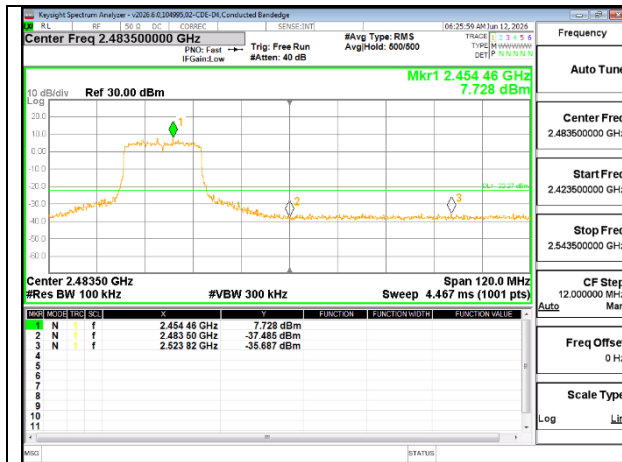
OUT-OF-BAND MID CHANNEL ANT 3



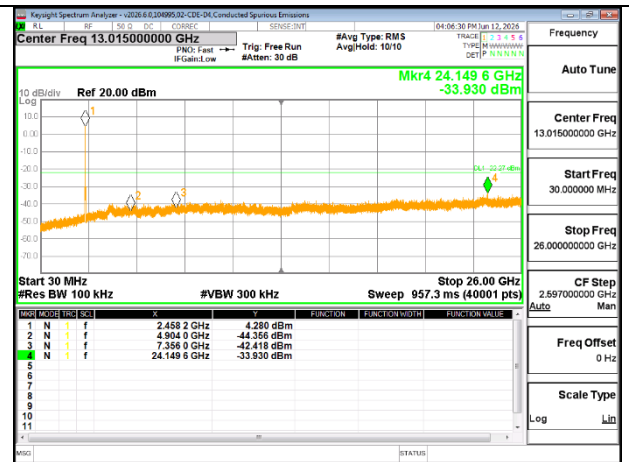
HIGH CHANNEL 8 BANDEDGE ANT 3



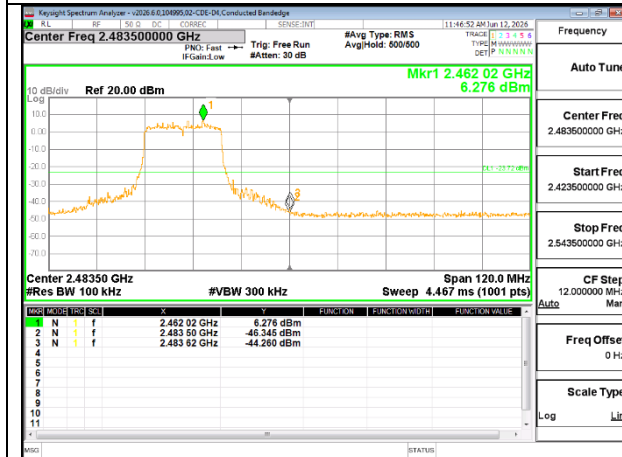
OUT-OF-BAND HIGH CHANNEL 8 ANT 3



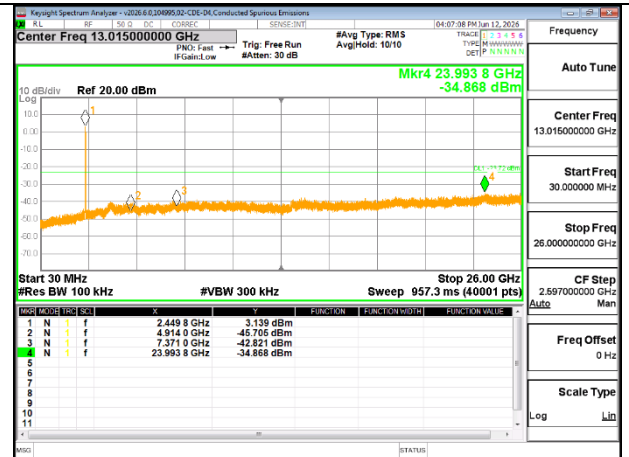
HIGH CHANNEL 9 BANDEDGE ANT 3



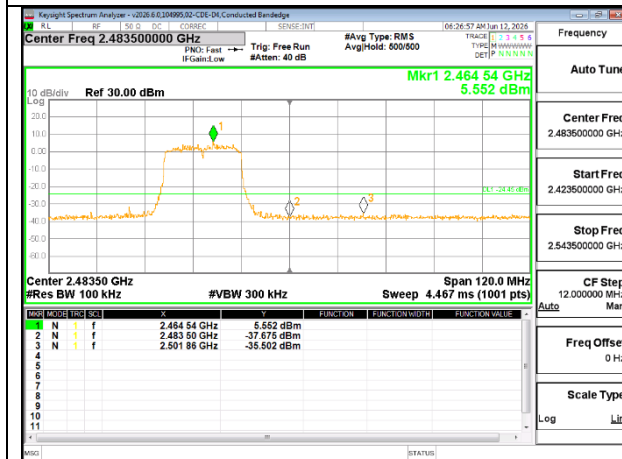
OUT-OF-BAND HIGH CHANNEL 9 ANT 3



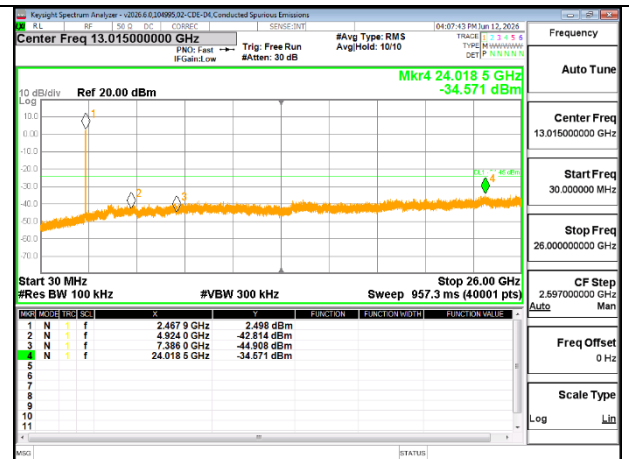
HIGH CHANNEL 10 BANDEDGE ANT 3



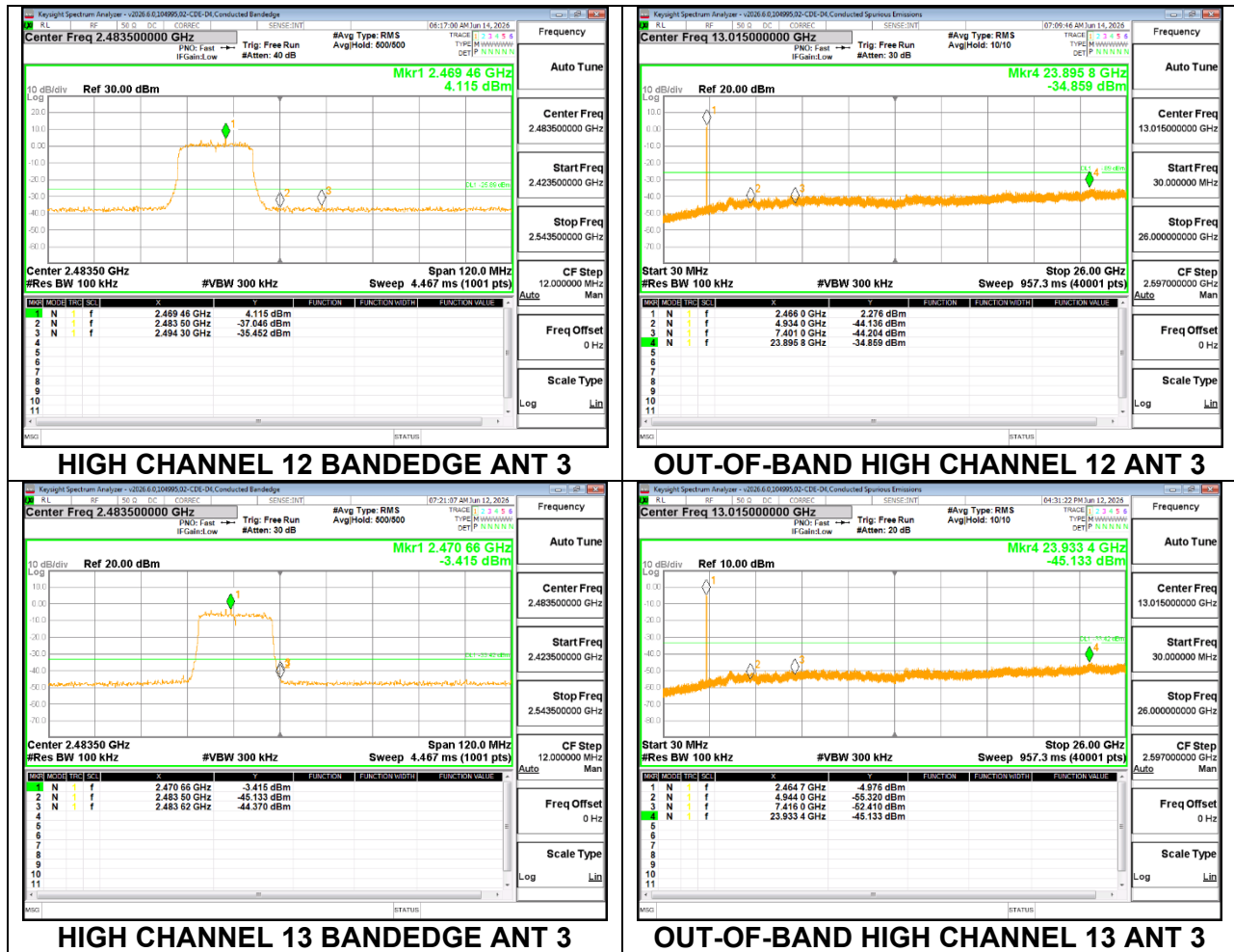
OUT-OF-BAND HIGH CHANNEL 10 ANT 3



HIGH CHANNEL 11 BANDEDGE ANT 3



OUT-OF-BAND HIGH CHANNEL 11 ANT 3



9. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209
RSS-GEN, Section 8.9 and 8.10

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

Radiated emissions non-restricted frequency bands	ANSI C63.10 Subclause -11.11 and 13
Radiated emissions restricted frequency bands	ANSI C63.10 Subclause -11.12.1 and 13
Band-edge	ANSI C63.10 Subclause -11.12.2.4 and 13: Peak Measurement
Band-edge	ANSI C63.10 Subclause -11.12.2.5 and 13: Average Measurement
Radiated Spurious Emissions Below 30MHz	ANSI C63.10 Subclause 6.4 and 13

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz, the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as a quasi-peak.

For pre-scans above 1 GHz, the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 kHz for peak measurements.

For final measurements above 1 GHz, the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

Note: The limits in CFR 47, Part 15, Subpart C, paragraph 15.209(a), are identical to those in RSS-Gen section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using free space impedance of 377 Ohms. For example, the measurement at frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to $Y-51.5 = Z$ dBuA/m, which has the same margin, W dB to the corresponding RSS-Gen Table 6 limit as the 15.209(a) limit.

KDB 414788 Open Field Site (OFS) and Chamber Correlation Justification

Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

OFS and chamber correlation testing had been performed, and the measured test result is the worst-case test result.

RESULTS

The plots in these sections are for reference settings only for different bandwidths and different antennas.

9.1. TRANSMITTER ABOVE 1 GHz

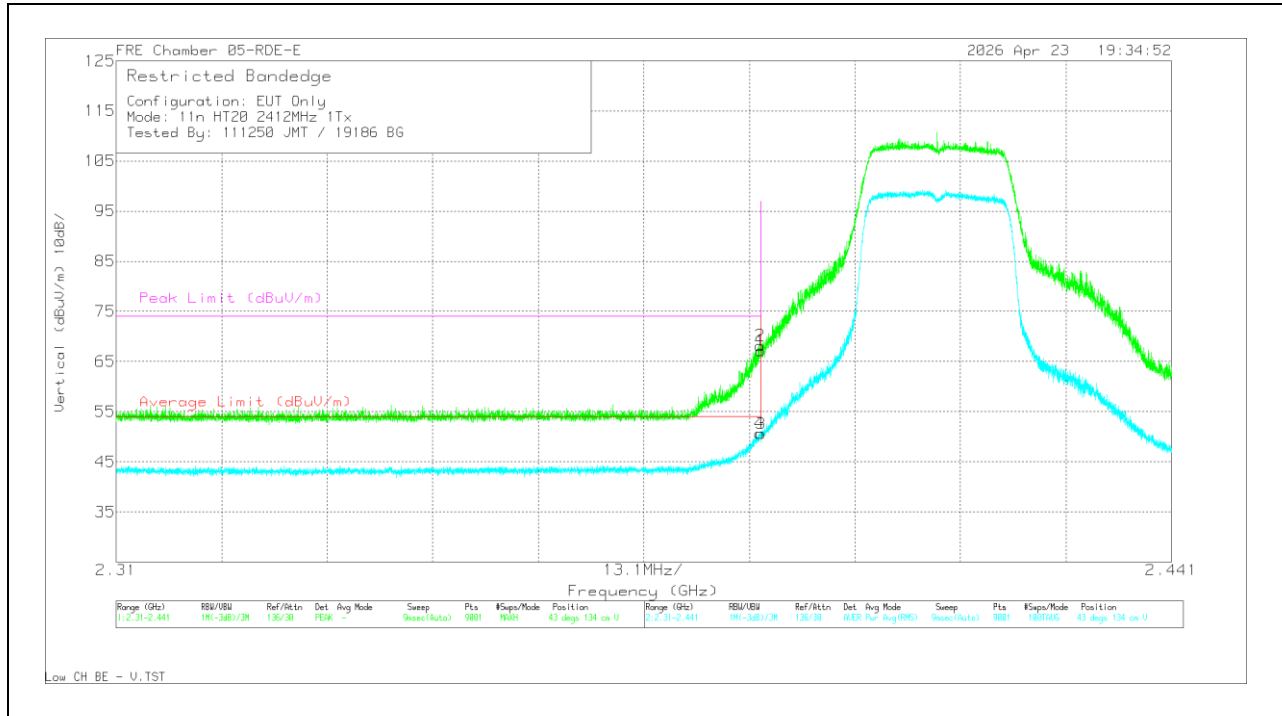
9.1.1. 802.11b/n/be SISO MODE – LOW BANDEDGE – CHANNEL 1

DTS (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
b-Mode	2412	4	*2.39	63.82	Pk	32	0	-39.79	56.03	-	-	74	-17.97	171	193	H
			*2.388224	65.61	Pk	32	0	-39.76	57.85	-	-	74	-16.15	171	193	H
			*2.39	52.98	RMS	32	0	-39.79	45.19	54	-8.81	-	-	171	193	H
			*2.386172	55.9	RMS	32	0	-39.75	48.15	54	-5.85	-	-	171	193	H
			*2.39	61.05	Pk	32	0	-39.79	53.26	-	-	74	-20.74	195	361	V
			*2.387059	64.38	Pk	32	0	-39.74	56.64	-	-	74	-17.36	195	361	V
		3	*2.39	50.56	RMS	32	0	-39.79	42.77	54	-11.23	-	-	195	361	V
			*2.380728	51.78	RMS	32	0	-39.77	44.01	54	-9.99	-	-	195	361	V
			*2.39	60.32	Pk	32.1	0	-37.5	54.92	-	-	74	-19.08	210	169	H
			*2.322824	62.95	Pk	31.8	0	-37.68	57.07	-	-	74	-16.93	210	169	H
			*2.39	49.79	RMS	32.1	0	-37.5	44.39	54	-9.61	-	-	210	169	H
			*2.387103	51.37	RMS	32.1	0	-37.6	45.87	54	-8.13	-	-	210	169	H
			*2.39	60.7	Pk	32.1	0	-37.5	55.3	-	-	74	-18.7	255	101	V
			*2.38655	62.99	Pk	32.1	0	-37.65	57.44	-	-	74	-16.56	255	101	V
			*2.39	49.76	RMS	32.1	0	-37.5	44.36	54	-9.64	-	-	255	101	V
			*2.386972	51.74	RMS	32.1	0	-37.6	46.24	54	-7.76	-	-	255	101	V
HT20	2412	4	*2.39	71.68	Pk	32.1	0	-37.5	66.28	-	-	74	-7.72	31	138	H
			*2.389971	74.16	Pk	32.1	0	-37.5	68.76	-	-	74	-5.24	31	138	H
			*2.39	52.94	RMS	32.1	0	-37.5	47.54	54	-6.46	-	-	31	138	H
			*2.389985	54.82	RMS	32.1	0	-37.5	49.42	54	-4.58	-	-	31	138	H
			*2.39	60.19	Pk	32.1	0	-37.5	54.79	-	-	74	-19.21	132	397	V
			*2.383013	62.08	Pk	32.1	0	-37.6	56.58	-	-	74	-17.42	132	397	V
		3	*2.39	49.53	RMS	32.1	0	-37.5	44.13	54	-9.87	-	-	132	397	V
			*2.38834	50.01	RMS	32.1	0	-37.6	44.51	54	-9.49	-	-	132	397	V
			*2.39	73.37	Pk	32.1	0	-37.5	67.97	-	-	74	-6.03	15	121	H
			*2.39	73.4	Pk	32.1	0	-37.5	68	-	-	74	-6	15	121	H
			*2.39	54.98	RMS	32.1	0	-37.5	49.58	54	-4.42	-	-	15	121	H
			*2.389956	55.82	RMS	32.1	0	-37.5	50.42	54	-3.58	-	-	15	121	H
			*2.39	72.56	Pk	32.1	0	-37.5	67.16	-	-	74	-6.84	43	134	V
			*2.389956	73.61	Pk	32.1	0	-37.5	68.21	-	-	74	-5.79	43	134	V
			*2.39	56	RMS	32.1	0	-37.5	50.6	54	-3.4	-	-	43	134	V
			*2.389854	56.09	RMS	32.1	0	-37.51	50.68	54	-3.32	-	-	43	134	V
EHT20 (SU Mode)	2412	4	*2.39	72.9	Pk	32.1	0	-37.5	67.5	-	-	74	-6.5	180	115	H
			*2.38965	73.99	Pk	32.1	0	-37.53	68.56	-	-	74	-5.44	180	115	H
			*2.39	55.71	RMS	32.1	0	-37.5	50.31	54	-3.69	-	-	180	115	H
			*2.389985	55.95	RMS	32.1	0	-37.5	50.55	54	-3.45	-	-	180	115	H
			*2.39	59.78	Pk	32.1	0	-37.5	54.38	-	-	74	-19.62	352	201	V
			*2.334964	63.04	Pk	31.8	0	-37.6	57.24	-	-	74	-16.76	352	201	V
		3	*2.39	48.72	RMS	32.1	0	-37.5	43.32	54	-10.68	-	-	352	201	V
			*2.389883	50.1	RMS	32.1	0	-37.51	44.69	54	-9.31	-	-	352	201	V
			*2.39	70.94	Pk	32.1	0	-37.5	65.54	-	-	74	-8.46	208	125	H
			*2.389912	72.8	Pk	32.1	0	-37.51	67.39	-	-	74	-6.61	208	125	H
			*2.39	54.44	RMS	32.1	0	-37.5	49.04	54	-4.96	-	-	208	125	H
			*2.39	54.44	RMS	32.1	0	-37.5	49.04	54	-4.96	-	-	208	125	H
			*2.39	71.91	Pk	32.1	0	-37.5	66.51	-	-	74	-7.49	266	115	V
			*2.389781	74.72	Pk	32.1	0	-37.52	69.3	-	-	74	-4.7	266	115	V
			*2.39	55.08	RMS	32.1	0	-37.5	49.68	54	-4.32	-	-	266	115	V
			*2.389607	56.09	RMS	32.1	0	-37.54	50.65	54	-3.35	-	-	266	115	V
EHT20 (RU 26 / Index 0)	2412	4	*2.39	72.64	Pk	32.1	0	-37.5	67.24	-	-	74	-6.76	356	213	H
			*2.389811	72.94	Pk	32.1	0	-37.52	67.52	-	-	74	-6.48	356	213	H
			*2.39	50.1	RMS	32.1	0	-37.5	44.7	54	-9.3	-	-	356	213	H
			*2.389316	53.73	RMS	32.1	0	-37.57	48.26	54	-5.74	-	-	356	213	H
			*2.39	60.16	Pk	32.1	0	-37.5	54.76	-	-	74	-19.24	170	251	V
			*2.316798	62.48	Pk	31.8	0	-37.68	56.6	-	-	74	-17.4	170	251	V
		3	*2.39	49.59	RMS	32.1	0	-37.5	44.19	54	-9.81	-	-	170	251	V
			*2.362067	50.23	RMS	32	0	-37.61	44.62	54	-9.38	-	-	170	251	V
			*2.39	69.6	Pk	32.1	0	-37.5	64.2	-	-	74	-9.8	209	149	H
			*2.38984	69.65	Pk	32.1	0	-37.52	64.23	-	-	74	-9.77	209	149	H
			*2.39	50.28	RMS	32.1	0	-37.5	44.88	54	-9.12	-	-	209	149	H
			*2.388501	51.01	RMS	32.1	0	-37.6	45.51	54	-8.49	-	-	209	149	H
			*2.39	69.85	Pk	32.1	0	-37.5	64.45	-	-	74	-9.55	262	130	V
			*2.39	69.85	Pk	32.1	0	-37.5	64.45	-	-	74	-9.55	262	130	V
			*2.39	49.64	RMS	32.1	0	-37.5	44.24	54	-9.76	-	-	262	130	V
			*2.389214	51.52	RMS	32.1	0	-37.58	46.04	54	-7.96	-	-	262	130	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20dB ACI (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	72.56	Pk	32.1	0	-37.5	67.16	-	-	74	-6.84	43	134	V
2	* 2.389956	73.61	Pk	32.1	0	-37.5	68.21	-	-	74	-5.79	43	134	V
3	* 2.39	56	RMS	32.1	0	-37.5	50.6	54	-3.4	-	-	43	134	V
4	* 2.389954	56.09	RMS	32.1	0	-37.51	50.68	54	-3.32	-	-	43	134	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

9.1.2. 802.11b/n/be MIMO CDD MODE – LOW BANDEDGE – CHANNEL 1

DTS (MIMO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
b-Mode	2412	4+3	* 2.39	64.11	Pk	32.1	0	-37.5	58.71	-	-	74	-15.29	189	141	H
			* 2.386928	65.5	Pk	32.1	0	-37.61	59.99	-	-	74	-14.01	189	141	H
			* 2.39	55.17	RMS	32.1	0	-37.5	49.77	54	-4.23	-	-	189	141	H
			* 2.386608	57.02	RMS	32.1	0	-37.64	51.48	54	-2.52	-	-	189	141	H
			* 2.39	61.15	Pk	32.1	0	-37.5	55.75	-	-	74	-18.25	288	396	V
			* 2.324716	62.9	Pk	31.8	0	-37.67	57.03	-	-	74	-16.97	288	396	V
			* 2.39	49.23	RMS	32.1	0	-37.5	43.83	54	-10.17	-	-	288	396	V
			* 2.388108	50.35	RMS	32.1	0	-37.6	44.85	54	-9.15	-	-	288	396	V
			* 2.39	71.57	Pk	32.1	0	-37.5	66.17	-	-	74	-7.83	170	124	H
			* 2.389214	74.07	Pk	32.1	0	-37.58	68.59	-	-	74	-5.41	170	124	H
HT20	2412	4+3	* 2.39	54.12	RMS	32.1	0	-37.5	48.72	54	-5.28	-	-	170	124	H
			* 2.389316	56.19	RMS	32.1	0	-37.57	50.72	54	-3.28	-	-	170	124	H
			* 2.39	69.11	Pk	32.1	0	-37.5	63.71	-	-	74	-10.29	160	400	V
			* 2.389985	70.42	Pk	32.1	0	-37.5	65.02	-	-	74	-8.98	160	400	V
			* 2.39	52.72	RMS	32.1	0	-37.5	47.32	54	-6.68	-	-	160	400	V
			* 2.38949	53.16	RMS	32.1	0	-37.55	47.71	54	-6.29	-	-	160	400	V
			* 2.39	71.78	Pk	32.1	0	-37.5	66.38	-	-	74	-7.62	166	115	H
EHT20 (SU Mode)	2412	4+3	* 2.389534	74.66	Pk	32.1	0	-37.55	69.21	-	-	74	-4.79	166	115	H
			* 2.39	54.89	RMS	32.1	0	-37.5	49.49	54	-4.51	-	-	166	115	H
			* 2.389636	56.1	RMS	32.1	0	-37.54	50.66	54	-3.34	-	-	166	115	H
			* 2.39	68.08	Pk	32.1	0	-37.5	62.68	-	-	74	-11.32	157	355	V
			* 2.389738	68.91	Pk	32.1	0	-37.53	63.48	-	-	74	-10.52	157	355	V
			* 2.39	51.12	RMS	32.1	0	-37.5	45.72	54	-8.28	-	-	157	355	V
			* 2.389956	51.7	RMS	32.1	0	-37.5	46.3	54	-7.7	-	-	157	355	V
			* 2.39	68.11	Pk	32.1	0	-37.5	62.71	-	-	74	-11.29	176	116	H
EHT20 (RU 26 / Index 0)	2412	4+3	* 2.388078	71.7	Pk	32.1	0	-37.6	66.2	-	-	74	-7.8	176	116	H
			* 2.39	49.3	RMS	32.1	0	-37.5	43.9	54	-10.1	-	-	176	116	H
			* 2.388602	52.26	RMS	32.1	0	-37.6	46.76	54	-7.24	-	-	176	116	H
			* 2.39	66.96	Pk	32.1	0	-37.5	61.56	-	-	74	-12.44	168	399	V
			* 2.389985	67.55	Pk	32.1	0	-37.5	62.15	-	-	74	-11.85	168	399	V
			* 2.39	48.84	RMS	32.1	0	-37.5	43.44	54	-10.56	-	-	168	399	V
			* 2.389898	50.04	RMS	32.1	0	-37.51	44.63	54	-9.37	-	-	168	399	V

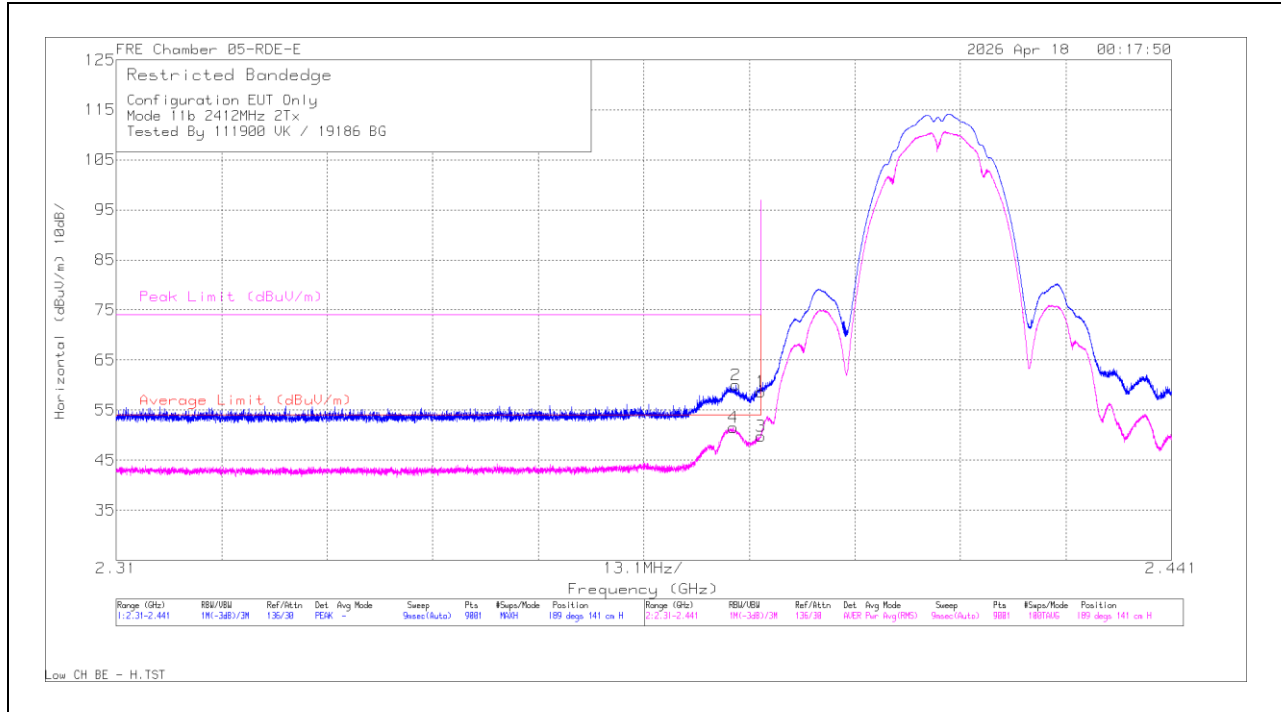
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

WORST-CASE LOW BANDEDGE **b-Mode / MIMO ANT 4+3 / CHANNEL 1 / 2412 MHz:**

HORIZONTAL RESULT

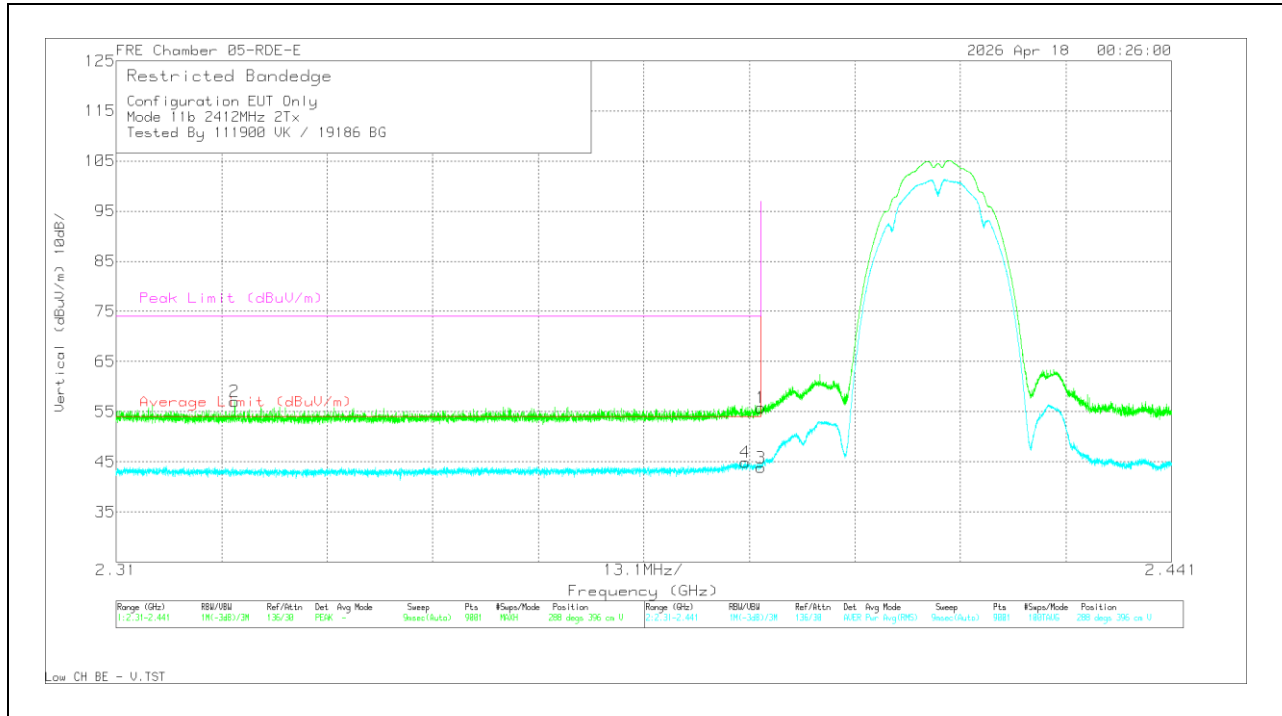


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206805 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Acimuth (Degs)	Height (cm)	Polarity
1	* 2.39	64.11	Pk	32.1	0	-37.5	58.71	-	-	74	-15.29	189	141	H
2	* 2.386928	65.5	Pk	32.1	0	-37.61	59.99	-	-	74	-14.01	189	141	H
3	* 2.39	55.17	RMS	32.1	0	-37.5	49.77	54	-4.23	-	-	189	141	H
4	* 2.386608	57.02	RMS	32.1	0	-37.64	51.48	54	-2.52	-	-	189	141	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20dB BW ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	61.15	Pk	32.1	0	-37.5	55.75	-	-	74	-18.25	288	396	V
2	* 2.324716	62.9	Pk	31.8	0	-37.67	57.03	-	-	74	-16.97	288	396	V
3	* 2.39	49.23	RMS	32.1	0	-37.5	43.83	54	-10.17	-	-	288	396	V
4	* 2.388108	50.35	RMS	32.1	0	-37.6	44.85	54	-9.15	-	-	288	396	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

9.1.3. 802.11b/n/be SISO MODE – LOW BANDEDGE – CHANNEL 2

DTS (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
b-Mode	2417	4	*2.39	62.6	Pk	32	0	-39.79	54.81	-	-	74	-19.19	179	212	H
			*2.389927	65.21	Pk	32	0	-39.79	57.42	-	-	74	-16.58	179	212	H
			*2.39	53.76	RMS	32	0	-39.79	45.97	54	-8.03	-	-	179	212	H
			*2.389927	53.97	RMS	32	0	-39.79	46.18	54	-7.82	-	-	179	212	H
			*2.39	62.57	Pk	32	0	-39.79	54.78	-	-	74	-19.22	118	382	V
			*2.389097	63.8	Pk	32	0	-39.77	56.03	-	-	74	-17.97	118	382	V
		3	*2.39	52.74	RMS	32	0	-39.79	44.95	54	-9.05	-	-	118	382	V
			*2.389971	52.85	RMS	32	0	-39.79	45.06	54	-8.94	-	-	118	382	V
			*2.39	60.82	Pk	32.1	0	-37.5	55.42	-	-	74	-18.58	214	138	H
			*2.387351	62.7	Pk	32.1	0	-37.6	57.2	-	-	74	-16.8	214	138	H
			*2.39	50.68	RMS	32.1	0	-37.5	45.28	54	-8.72	-	-	214	138	H
			*2.389869	51.09	RMS	32.1	0	-37.51	45.68	54	-8.32	-	-	214	138	H
			*2.39	60.96	Pk	32.1	0	-37.5	55.56	-	-	74	-18.44	264	125	V
			*2.389942	62.41	Pk	32.1	0	-37.51	57	-	-	74	-17	264	125	V
			*2.39	50.95	RMS	32.1	0	-37.5	45.55	54	-8.45	-	-	264	125	V
			*2.39	50.96	RMS	32.1	0	-37.5	45.56	54	-8.44	-	-	264	125	V
HT20	2417	4	*2.39	69.77	Pk	32.1	0	-37.5	64.37	-	-	74	-9.63	27	141	H
			*2.389141	71.77	Pk	32.1	0	-37.59	66.28	-	-	74	-7.72	27	141	H
			*2.39	54.81	RMS	32.1	0	-37.5	49.41	54	-4.59	-	-	27	141	H
			*2.389985	56.04	RMS	32.1	0	-37.5	50.64	54	-3.36	-	-	27	141	H
			*2.39	59.78	Pk	32.1	0	-37.5	54.38	-	-	74	-19.62	137	393	V
			*2.357292	62.18	Pk	32	0	-37.6	56.58	-	-	74	-17.42	137	393	V
			*2.39	49.38	RMS	32.1	0	-37.5	43.98	54	-10.02	-	-	137	393	V
			*2.389942	49.96	RMS	32.1	0	-37.51	44.55	54	-9.45	-	-	137	393	V
		3	*2.39	70.15	Pk	32.1	0	-37.5	64.75	-	-	74	-9.25	210	107	H
			*2.389738	71.23	Pk	32.1	0	-37.53	65.8	-	-	74	-8.2	210	107	H
			*2.39	55.5	RMS	32.1	0	-37.5	50.1	54	-3.9	-	-	210	107	H
			*2.389985	55.83	RMS	32.1	0	-37.5	50.43	54	-3.57	-	-	210	107	H
			*2.39	70.26	Pk	32.1	0	-37.5	64.86	-	-	74	-9.14	243	117	V
			*2.389956	72.21	Pk	32.1	0	-37.5	66.81	-	-	74	-7.19	243	117	V
			*2.39	55.33	RMS	32.1	0	-37.5	49.93	54	-4.07	-	-	243	117	V
			*2.38984	56.55	RMS	32.1	0	-37.52	51.13	54	-2.87	-	-	243	117	V
EHT20 (SU Mode)	2417	4	*2.39	70	Pk	32.1	0	-37.5	64.6	-	-	74	-9.4	182	171	H
			*2.389752	72.06	Pk	32.1	0	-37.52	66.64	-	-	74	-7.36	182	171	H
			*2.39	55.23	RMS	32.1	0	-37.5	49.83	54	-4.17	-	-	182	171	H
			*2.389971	56.09	RMS	32.1	0	-37.5	50.69	54	-3.31	-	-	182	171	H
			*2.39	69.35	Pk	32.1	0	-37.5	63.95	-	-	74	-10.05	135	400	V
			*2.389956	70.71	Pk	32.1	0	-37.5	65.31	-	-	74	-8.69	135	400	V
			*2.39	54.15	RMS	32.1	0	-37.5	48.75	54	-5.25	-	-	135	400	V
			*2.389854	54.51	RMS	32.1	0	-37.51	49.1	54	-4.9	-	-	135	400	V
		3	*2.39	69.94	Pk	32.1	0	-37.5	64.54	-	-	74	-9.46	203	274	H
			*2.389898	72.47	Pk	32.1	0	-37.51	67.06	-	-	74	-6.94	203	274	H
			*2.39	56.3	RMS	32.1	0	-37.5	50.9	54	-3.1	-	-	203	274	H
			*2.389942	56.69	RMS	32.1	0	-37.51	51.28	54	-2.72	-	-	203	274	H
			*2.39	71.1	Pk	32.1	0	-37.5	65.7	-	-	74	-8.3	265	156	V
			*2.389898	72	Pk	32.1	0	-37.51	66.59	-	-	74	-7.41	265	156	V
			*2.39	56.75	RMS	32.1	0	-37.5	51.35	54	-2.65	-	-	265	156	V
			*2.39	56.75	RMS	32.1	0	-37.5	51.35	54	-2.65	-	-	265	156	V
EHT20 (RU 26 / Index 0)	2417	4	*2.39	69.43	Pk	32.1	0	-37.5	64.03	-	-	74	-9.97	4	107	H
			*2.389869	70.39	Pk	32.1	0	-37.51	64.98	-	-	74	-9.02	4	107	H
			*2.39	49.93	RMS	32.1	0	-37.5	44.53	54	-9.47	-	-	4	107	H
			*2.389927	51.36	RMS	32.1	0	-37.51	45.95	54	-8.05	-	-	4	107	H
			*2.39	59.35	Pk	32.1	0	-37.5	53.95	-	-	74	-20.05	163	326	V
			*2.370815	62.09	Pk	32.1	0	-37.6	56.59	-	-	74	-17.41	163	326	V
			*2.39	49.22	RMS	32.1	0	-37.5	43.82	54	-10.18	-	-	163	326	V
			*2.380189	49.89	RMS	32.1	0	-37.62	44.37	54	-9.63	-	-	163	326	V
		3	*2.39	64.48	Pk	32.1	0	-37.5	59.08	-	-	74	-14.92	20	126	H
			*2.389112	66.24	Pk	32.1	0	-37.59	60.75	-	-	74	-13.25	20	126	H
			*2.39	49.28	RMS	32.1	0	-37.5	43.88	54	-10.12	-	-	20	126	H
			*2.389126	50.33	RMS	32.1	0	-37.59	44.84	54	-9.16	-	-	20	126	H
			*2.39	66.14	Pk	32.1	0	-37.5	60.74	-	-	74	-13.26	66	116	V
			*2.389825	68	Pk	32.1	0	-37.52	62.58	-	-	74	-11.42	66	116	V
			*2.39	49.33	RMS	32.1	0	-37.5	43.93	54	-10.07	-	-	66	116	V
			*2.389519	50.44	RMS	32.1	0	-37.55	44.99	54	-9.01	-	-	66	116	V

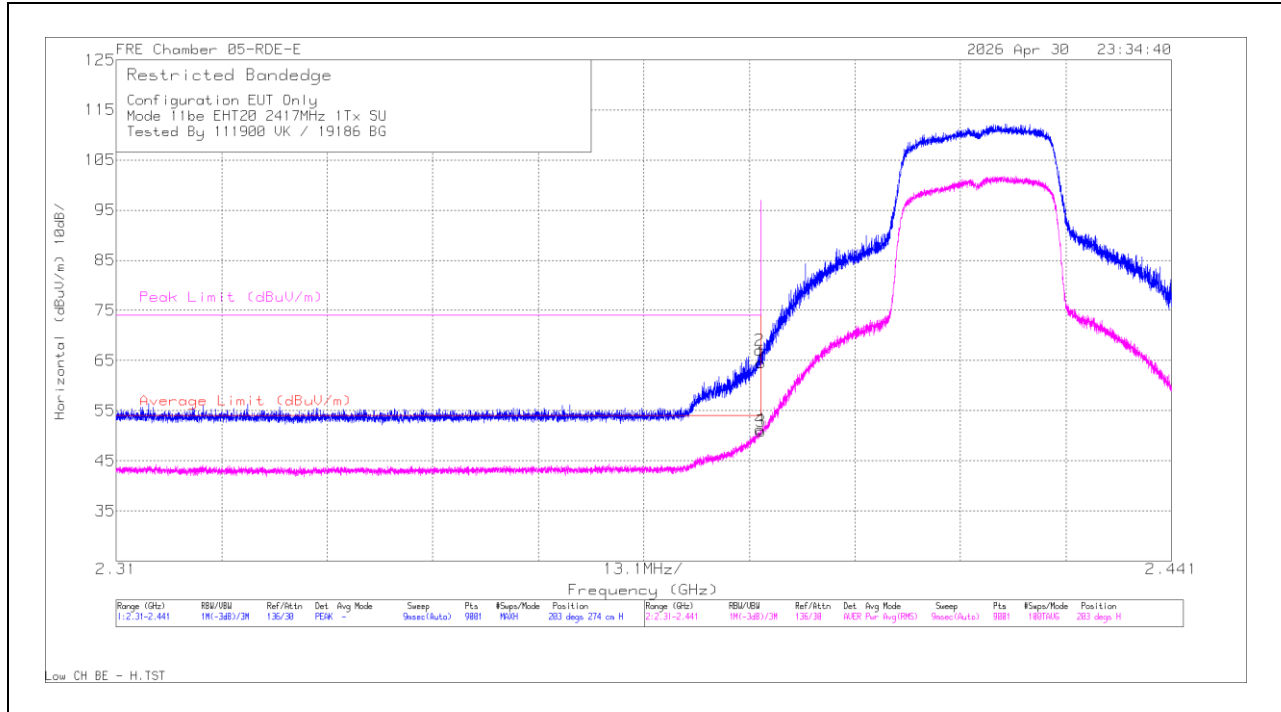
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

WORST-CASE LOW BANDEDGE **be-Mode / SISO ANT 3 / CHANNEL 2 / 2417 MHz:**

HORIZONTAL RESULT



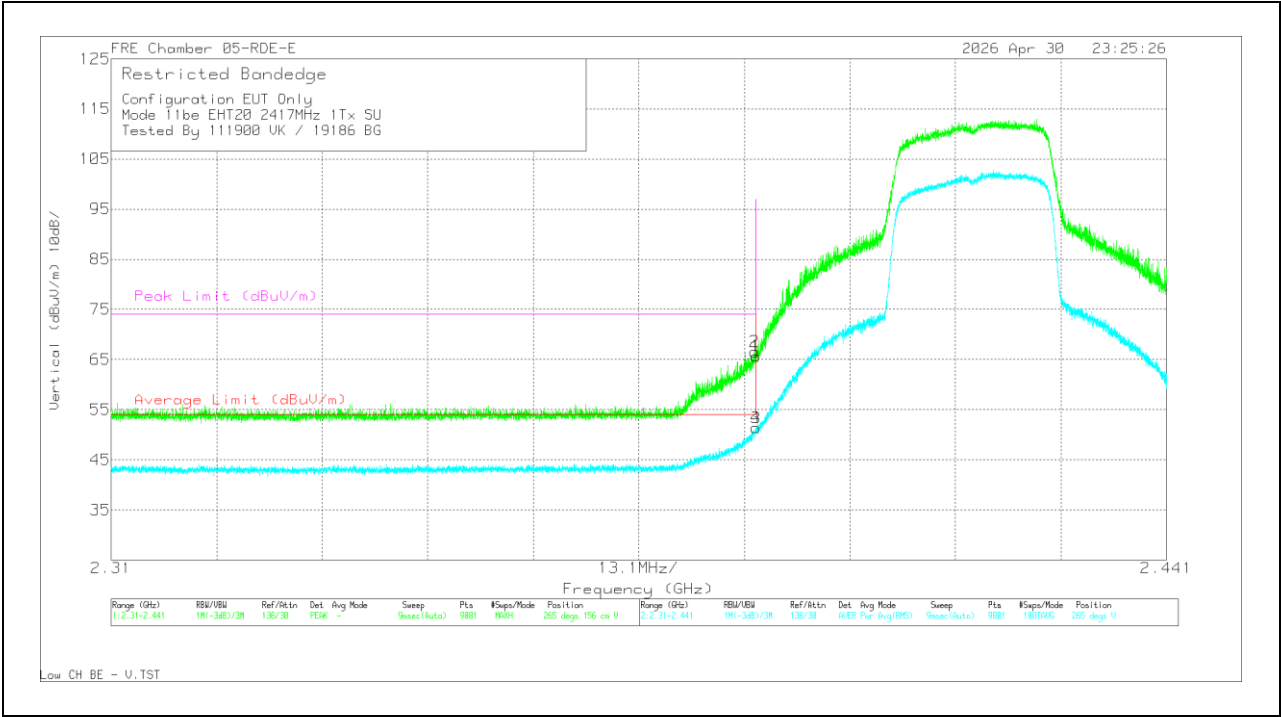
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200000 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	69.94	Pk	32.1	0	-37.5	64.54	-	-	74	-9.46	203	274	H
2	* 2.389898	72.47	Pk	32.1	0	-37.51	67.06	-	-	74	-6.94	203	274	H
3	* 2.39	56.3	RMS	32.1	0	-37.5	50.9	54	-3.1	-	-	203	274	H
4	* 2.389942	56.69	RMS	32.1	0	-37.51	51.28	54	-2.72	-	-	203	274	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	266855 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	71.1	Pk	32.1	0	-37.5	65.7	-	-	74	-8.3	265	156	V
2	* 2.389898	72	Pk	32.1	0	-37.51	66.59	-	-	74	-7.41	265	156	V
3	* 2.39	56.75	RMS	32.1	0	-37.5	51.35	54	-2.65	-	-	265	156	V
4	* 2.39	56.75	RMS	32.1	0	-37.5	51.35	54	-2.65	-	-	265	156	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

9.1.4. 802.11b/n/be MIMO CDD MODE – LOW BANDEDGE – CHANNEL 2

DTS (MIMO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
b-Mode	2417	4+3	* 2.39	63.74	Pk	32.1	0	-37.5	58.34	-	-	74	-15.66	187	141	H
			* 2.389985	64.74	Pk	32.1	0	-37.5	59.34	-	-	74	-14.66	187	141	H
			* 2.39	55.63	RMS	32.1	0	-37.5	50.23	54	-3.77	-	-	187	141	H
			* 2.39	55.63	RMS	32.1	0	-37.5	50.23	54	-3.77	-	-	187	141	H
			* 2.39	60.84	Pk	32.1	0	-37.5	55.44	-	-	74	-18.56	321	352	V
			* 2.389985	63.1	Pk	32.1	0	-37.5	57.7	-	-	74	-16.3	321	352	V
			* 2.39	51	RMS	32.1	0	-37.5	45.6	54	-8.4	-	-	321	352	V
HT20	2417	4+3	* 2.389942	51.46	RMS	32.1	0	-37.51	46.05	54	-7.95	-	-	321	352	V
			* 2.39	70.31	Pk	32.1	0	-37.5	64.91	-	-	74	-9.09	355	129	H
			* 2.389942	71.08	Pk	32.1	0	-37.51	65.67	-	-	74	-8.33	355	129	H
			* 2.39	55.46	RMS	32.1	0	-37.5	50.06	54	-3.94	-	-	355	129	H
			* 2.389985	56.18	RMS	32.1	0	-37.5	50.78	54	-3.22	-	-	355	129	H
			* 2.39	64.47	Pk	32.1	0	-37.5	59.07	-	-	74	-14.93	159	393	V
			* 2.389912	65.77	Pk	32.1	0	-37.51	60.36	-	-	74	-13.64	159	393	V
EHT20 (SU Mode)	2417	4+3	* 2.39	52.31	RMS	32.1	0	-37.5	46.91	54	-7.09	-	-	159	393	V
			* 2.39	52.31	RMS	32.1	0	-37.5	46.91	54	-7.09	-	-	159	393	V
			* 2.39	68.08	Pk	32.1	0	-37.5	62.68	-	-	74	-11.32	358	157	H
			* 2.388544	73.68	Pk	32.1	0	-37.6	68.18	-	-	74	-5.82	358	157	H
			* 2.39	53.09	RMS	32.1	0	-37.5	47.69	54	-6.31	-	-	358	157	H
			* 2.388573	56.28	RMS	32.1	0	-37.6	50.78	54	-3.22	-	-	358	157	H
			* 2.39	64.52	Pk	32.1	0	-37.5	59.12	-	-	74	-14.88	334	351	V
EHT20 (RU 26/ Index 0)	2417	4+3	* 2.387787	66.68	Pk	32.1	0	-37.6	61.18	-	-	74	-12.82	334	351	V
			* 2.39	52.58	RMS	32.1	0	-37.5	47.18	54	-6.82	-	-	334	351	V
			* 2.389811	52.77	RMS	32.1	0	-37.52	47.35	54	-6.65	-	-	334	351	V
			* 2.39	69.28	Pk	32.1	0	-37.5	63.88	-	-	74	-10.12	158	309	H
			* 2.389971	69.85	Pk	32.1	0	-37.5	64.45	-	-	74	-9.55	158	309	H
			* 2.39	49.35	RMS	32.1	0	-37.5	43.95	54	-10.05	-	-	158	309	H
			* 2.389927	50.88	RMS	32.1	0	-37.51	45.47	54	-8.53	-	-	158	309	H
	2417	4+3	* 2.39	63.67	Pk	32.1	0	-37.5	58.27	-	-	74	-15.73	316	347	V
			* 2.389272	64.76	Pk	32.1	0	-37.57	59.29	-	-	74	-14.71	316	347	V
			* 2.39	48.87	RMS	32.1	0	-37.5	43.47	54	-10.53	-	-	316	347	V
			* 2.352198	50.02	RMS	32	0	-37.68	44.34	54	-9.66	-	-	316	347	V

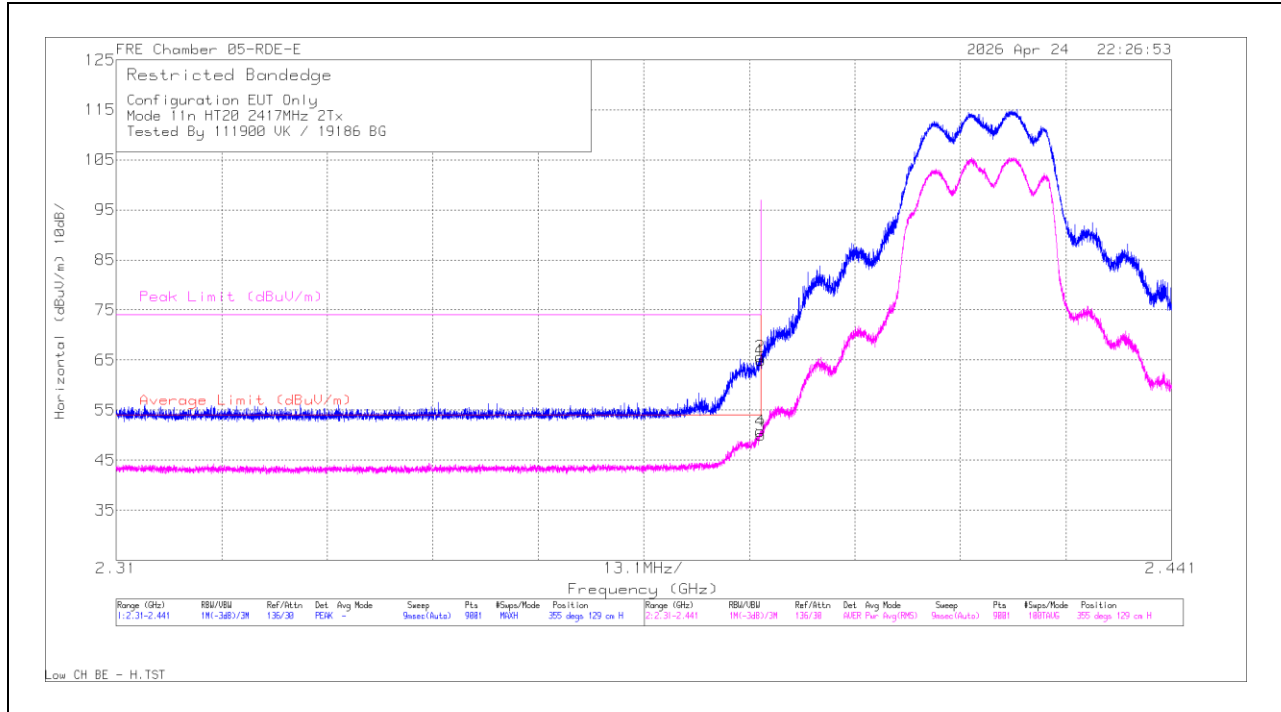
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

WORST-CASE LOW BANDEDGE **11n-Mode / MIMO ANT 4+3 / CHANNEL 2 / 2417 MHz:**

HORIZONTAL RESULT

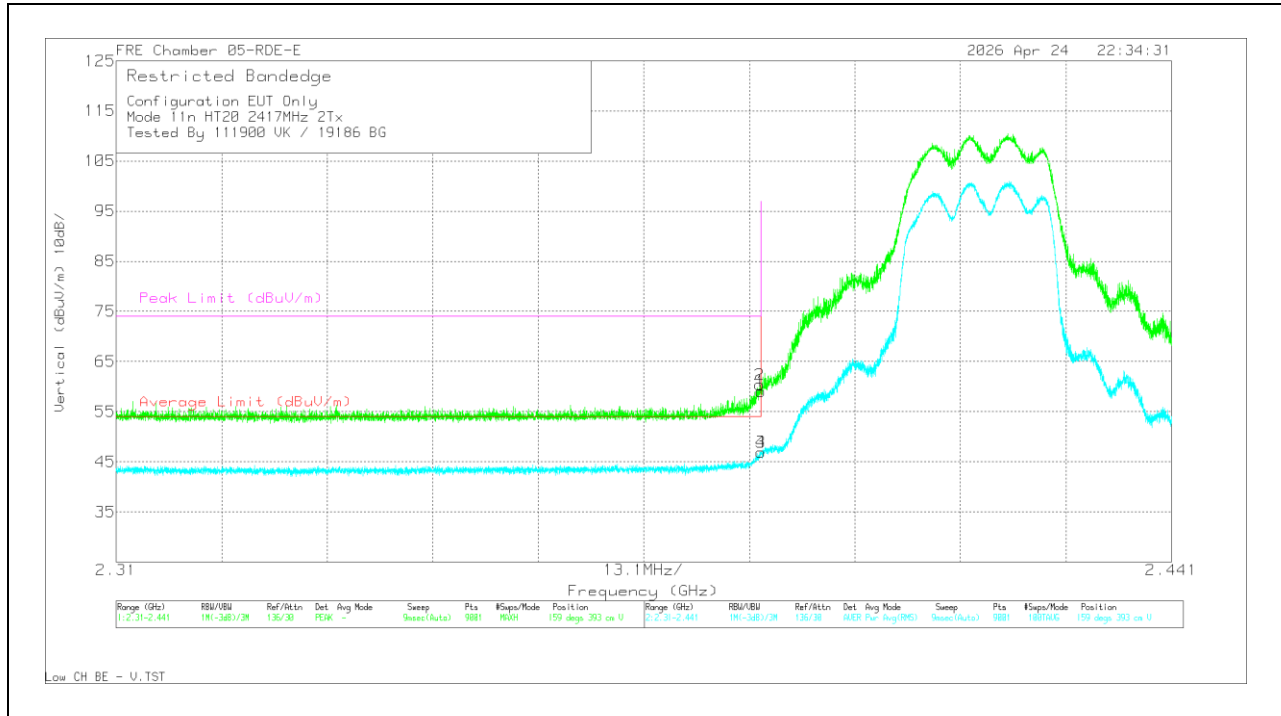


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200000 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Acimuth (Degs)	Height (cm)	Polarity
1	* 2.39	70.31	Pk	32.1	0	-37.5	64.91	-	-	74	-9.09	355	129	H
2	* 2.389942	71.08	Pk	32.1	0	-37.51	65.67	-	-	74	-8.33	355	129	H
3	* 2.39	55.46	RMS	32.1	0	-37.5	50.06	54	-3.94	-	-	355	129	H
4	* 2.389985	56.18	RMS	32.1	0	-37.5	50.78	54	-3.22	-	-	355	129	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20dB ACI (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	64.47	Pk	32.1	0	-37.5	59.07	-	-	74	-14.93	159	393	V
2	* 2.389912	65.77	Pk	32.1	0	-37.51	60.36	-	-	74	-13.64	159	393	V
3	* 2.39	52.31	RMS	32.1	0	-37.5	46.91	54	-7.09	-	-	159	393	V
4	* 2.39	52.31	RMS	32.1	0	-37.5	46.91	54	-7.09	-	-	159	393	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

9.1.5. 802.11n/be SISO MODE – LOW BANDEDGE – CHANNEL 3

DTS (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HT20	2422	4	* 2.39	73.59	Pk	32.1	0	-37.5	68.19	-	-	74	-5.81	350	122	H
			* 2.39	73.64	Pk	32.1	0	-37.5	68.24	-	-	74	-5.76	350	122	H
			* 2.39	56.5	RMS	32.1	0	-37.5	51.1	54	-2.9	-	-	350	122	H
			* 2.389898	56.68	RMS	32.1	0	-37.51	51.27	54	-2.73	-	-	350	122	H
			* 2.39	69.12	Pk	32.1	0	-37.5	63.72	-	-	74	-10.28	314	393	V
			* 2.389956	71.71	Pk	32.1	0	-37.5	66.31	-	-	74	-7.69	314	393	V
		3	* 2.39	55	RMS	32.1	0	-37.5	49.6	54	-4.4	-	-	314	393	V
			* 2.389752	55.4	RMS	32.1	0	-37.52	49.98	54	-4.02	-	-	314	393	V
			* 2.39	66.27	Pk	32.1	0	-37.5	60.87	-	-	74	-13.13	204	123	H
			* 2.38984	68.33	Pk	32.1	0	-37.52	62.91	-	-	74	-11.09	204	123	H
			* 2.39	53.77	RMS	32.1	0	-37.5	48.37	54	-5.63	-	-	204	123	H
			* 2.39	53.77	RMS	32.1	0	-37.5	48.37	54	-5.63	-	-	204	123	H
			* 2.39	67.52	Pk	32.1	0	-37.5	62.12	-	-	74	-11.88	241	113	V
			* 2.38949	69.06	Pk	32.1	0	-37.55	63.61	-	-	74	-10.39	241	113	V
			* 2.39	53.11	RMS	32.1	0	-37.5	47.71	54	-6.29	-	-	241	113	V
			* 2.389912	53.42	RMS	32.1	0	-37.51	48.01	54	-5.99	-	-	241	113	V
EHT20 (SU Mode)	2422	4	* 2.39	72.41	Pk	32.1	0	-37.5	67.01	-	-	74	-6.99	180	105	H
			* 2.389825	73.15	Pk	32.1	0	-37.52	67.73	-	-	74	-6.27	180	105	H
			* 2.39	54.95	RMS	32.1	0	-37.5	49.55	54	-4.45	-	-	180	105	H
			* 2.389942	56.76	RMS	32.1	0	-37.51	51.35	54	-2.65	-	-	180	105	H
			* 2.39	66.94	Pk	32.1	0	-37.5	61.54	-	-	74	-12.46	124	399	V
			* 2.389942	69.75	Pk	32.1	0	-37.51	64.34	-	-	74	-9.66	124	399	V
		3	* 2.39	53.42	RMS	32.1	0	-37.5	48.02	54	-5.98	-	-	124	399	V
			* 2.389942	54.07	RMS	32.1	0	-37.51	48.66	54	-5.34	-	-	124	399	V
			* 2.39	65.33	Pk	32.1	0	-37.5	59.93	-	-	74	-14.07	27	119	H
			* 2.389738	68.14	Pk	32.1	0	-37.53	62.71	-	-	74	-11.29	27	119	H
			* 2.39	51.72	RMS	32.1	0	-37.5	46.32	54	-7.68	-	-	27	119	H
			* 2.389403	52.3	RMS	32.1	0	-37.56	46.84	54	-7.16	-	-	27	119	H
		3	* 2.39	66.02	Pk	32.1	0	-37.5	60.62	-	-	74	-13.38	75	110	V
			* 2.389578	69.33	Pk	32.1	0	-37.54	63.89	-	-	74	-10.11	75	110	V
			* 2.39	53.11	RMS	32.1	0	-37.5	47.71	54	-6.29	-	-	75	110	V
			* 2.389985	53.64	RMS	32.1	0	-37.5	48.24	54	-5.76	-	-	75	110	V
EHT20 (RU 26 / Index 0)	2422	4	* 2.39	66.1	Pk	32.1	0	-37.5	60.7	-	-	74	-13.3	352	121	H
			* 2.389985	66.92	Pk	32.1	0	-37.5	61.52	-	-	74	-12.48	352	121	H
			* 2.39	49.46	RMS	32.1	0	-37.5	44.06	54	-9.94	-	-	352	121	H
			* 2.388981	50.08	RMS	32.1	0	-37.6	44.58	54	-9.42	-	-	352	121	H
			* 2.39	63.14	Pk	32.1	0	-37.5	57.74	-	-	74	-16.26	316	344	V
			* 2.389883	64.76	Pk	32.1	0	-37.51	59.35	-	-	74	-14.65	316	344	V
		3	* 2.39	49.21	RMS	32.1	0	-37.5	43.81	54	-10.19	-	-	316	344	V
			* 2.389621	50.04	RMS	32.1	0	-37.54	44.6	54	-9.4	-	-	316	344	V
			* 2.39	63.15	Pk	32.1	0	-37.5	57.75	-	-	74	-16.25	25	149	H
			* 2.39	63.14	Pk	32.1	0	-37.5	57.74	-	-	74	-16.26	25	149	H
			* 2.39	48.48	RMS	32.1	0	-37.5	43.08	54	-10.92	-	-	25	149	H
			* 2.387074	49.84	RMS	32.1	0	-37.6	44.34	54	-9.66	-	-	25	149	H
		3	* 2.39	62.2	Pk	32.1	0	-37.5	56.8	-	-	74	-17.2	84	109	V
			* 2.389709	64.1	Pk	32.1	0	-37.53	58.67	-	-	74	-15.33	84	109	V
			* 2.39	49.77	RMS	32.1	0	-37.5	44.37	54	-9.63	-	-	84	109	V
			* 2.388748	50.05	RMS	32.1	0	-37.6	44.55	54	-9.45	-	-	84	109	V

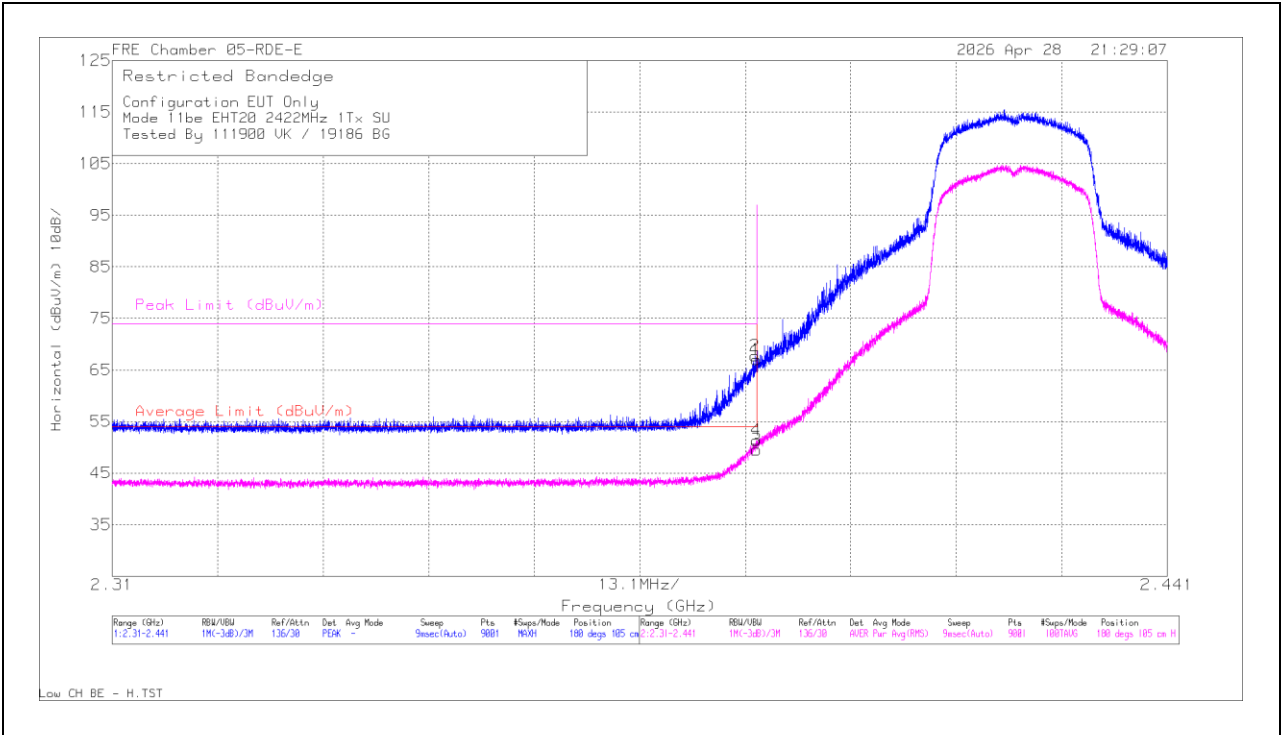
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

WORST-CASE LOW BANDEDGE
11be-Mode / SISO ANT 4 / CHANNEL 3 / 2422 MHz:

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	20dB BW ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	72.41	Pk	32.1	0	-37.5	67.01	-	-	74	-6.99	180	105	H
2	* 2.389825	73.15	Pk	32.1	0	-37.52	67.73	-	-	74	-6.27	180	105	H
3	* 2.39	54.95	RMS	32.1	0	-37.5	49.55	54	-4.45	-	-	180	105	H
4	* 2.389942	56.76	RMS	32.1	0	-37.51	51.35	54	-2.65	-	-	180	105	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection