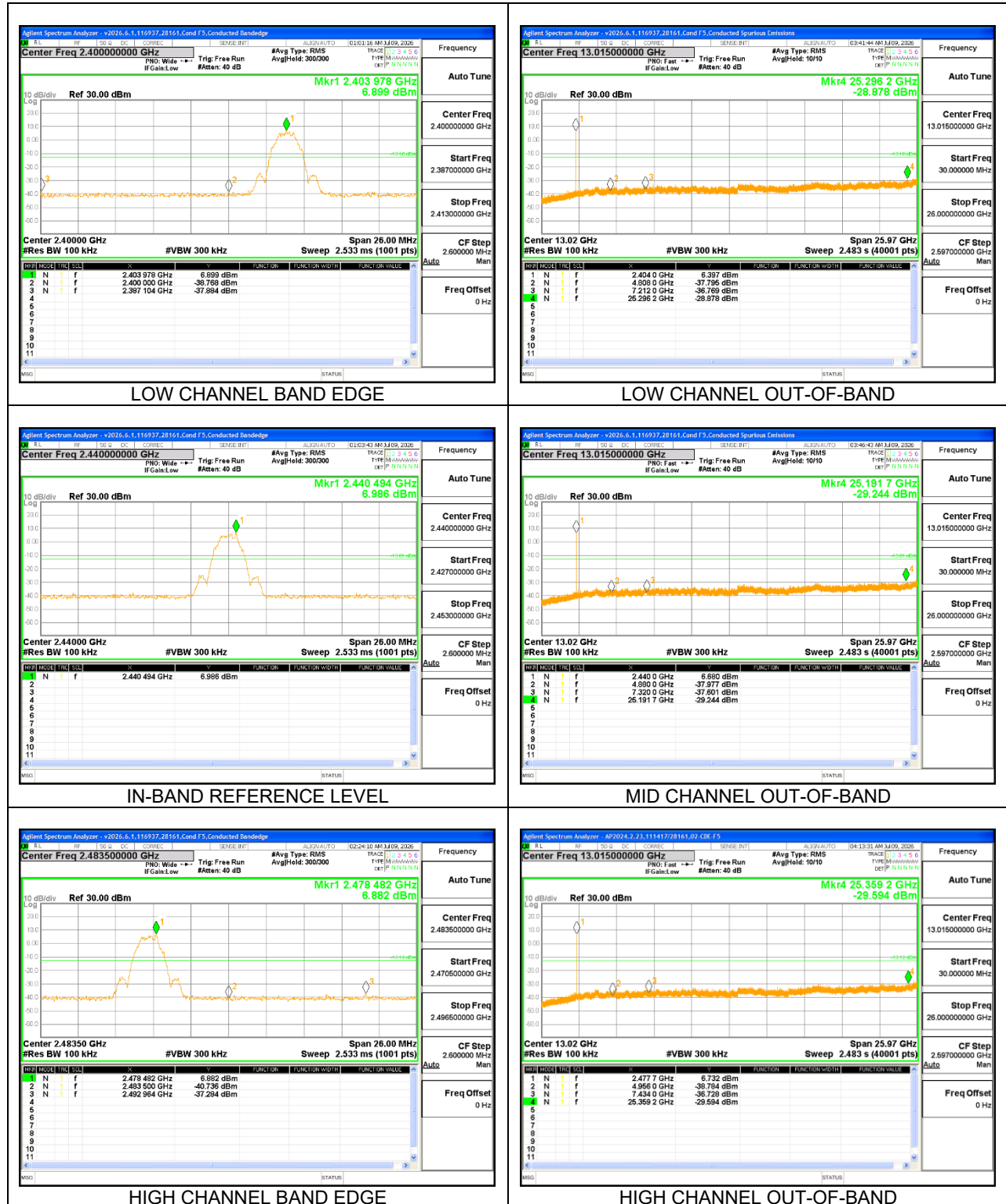
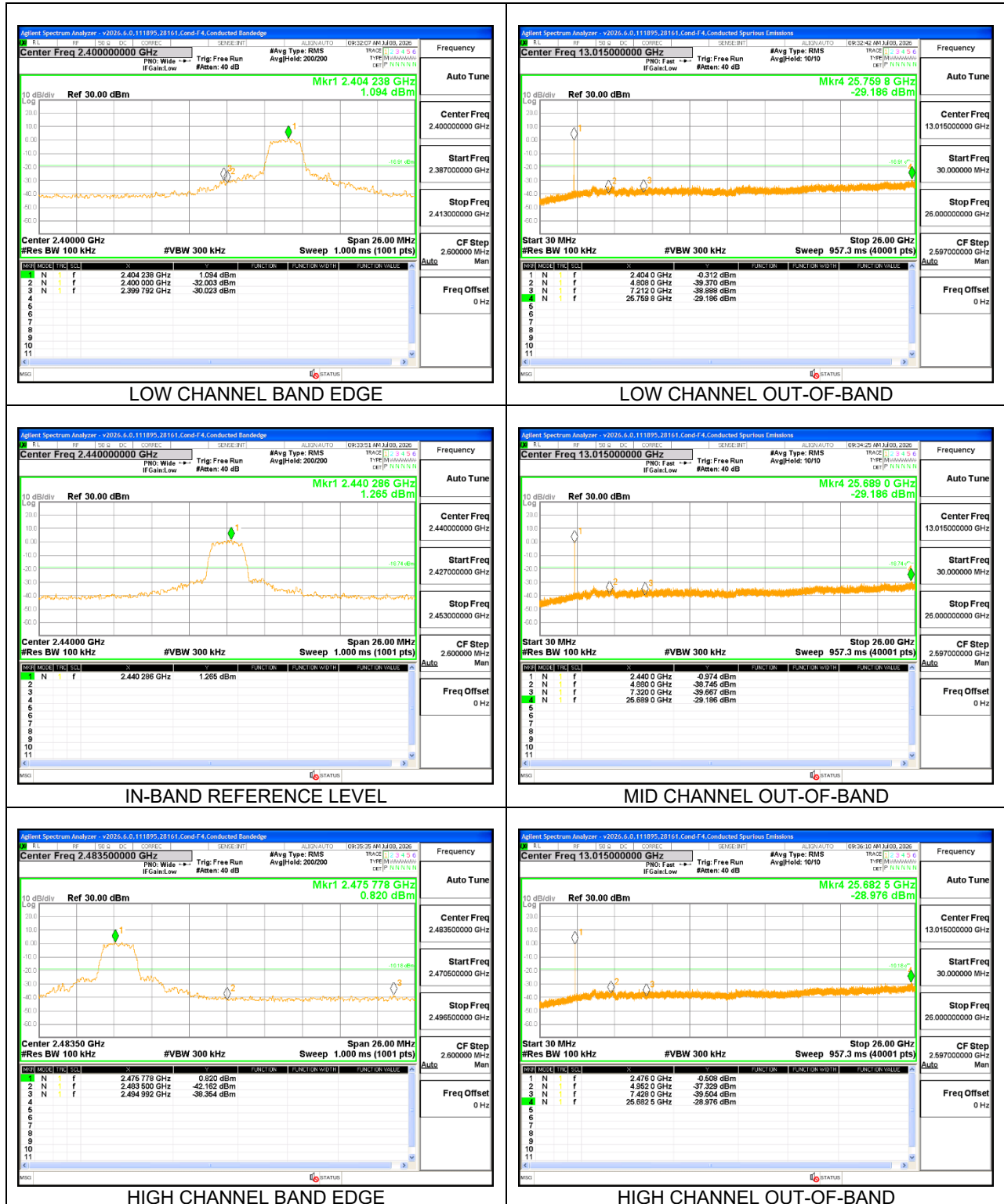


ANT 3

8.6.15. HDT8 – LOW POWER – SISO

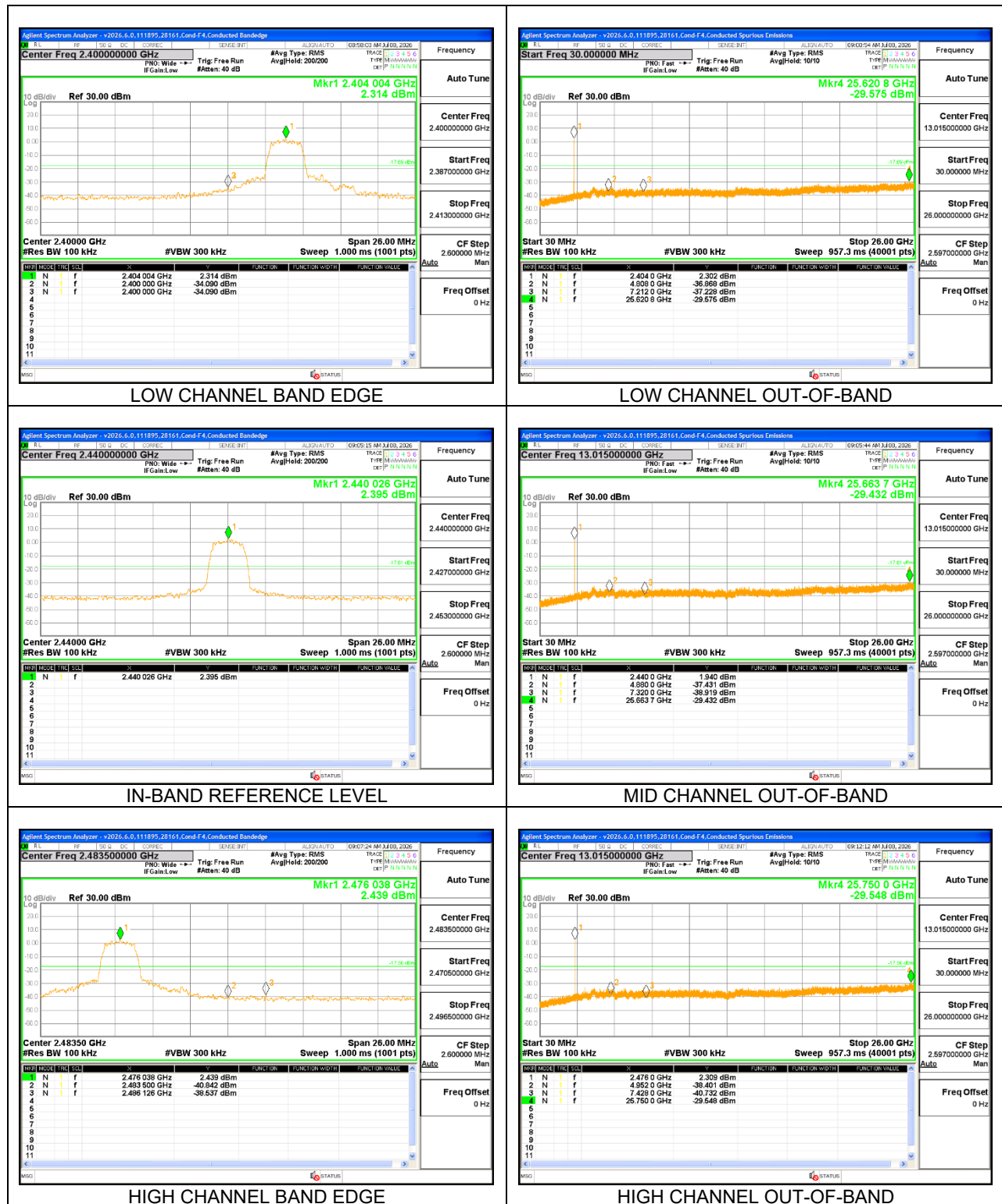
ANT 4

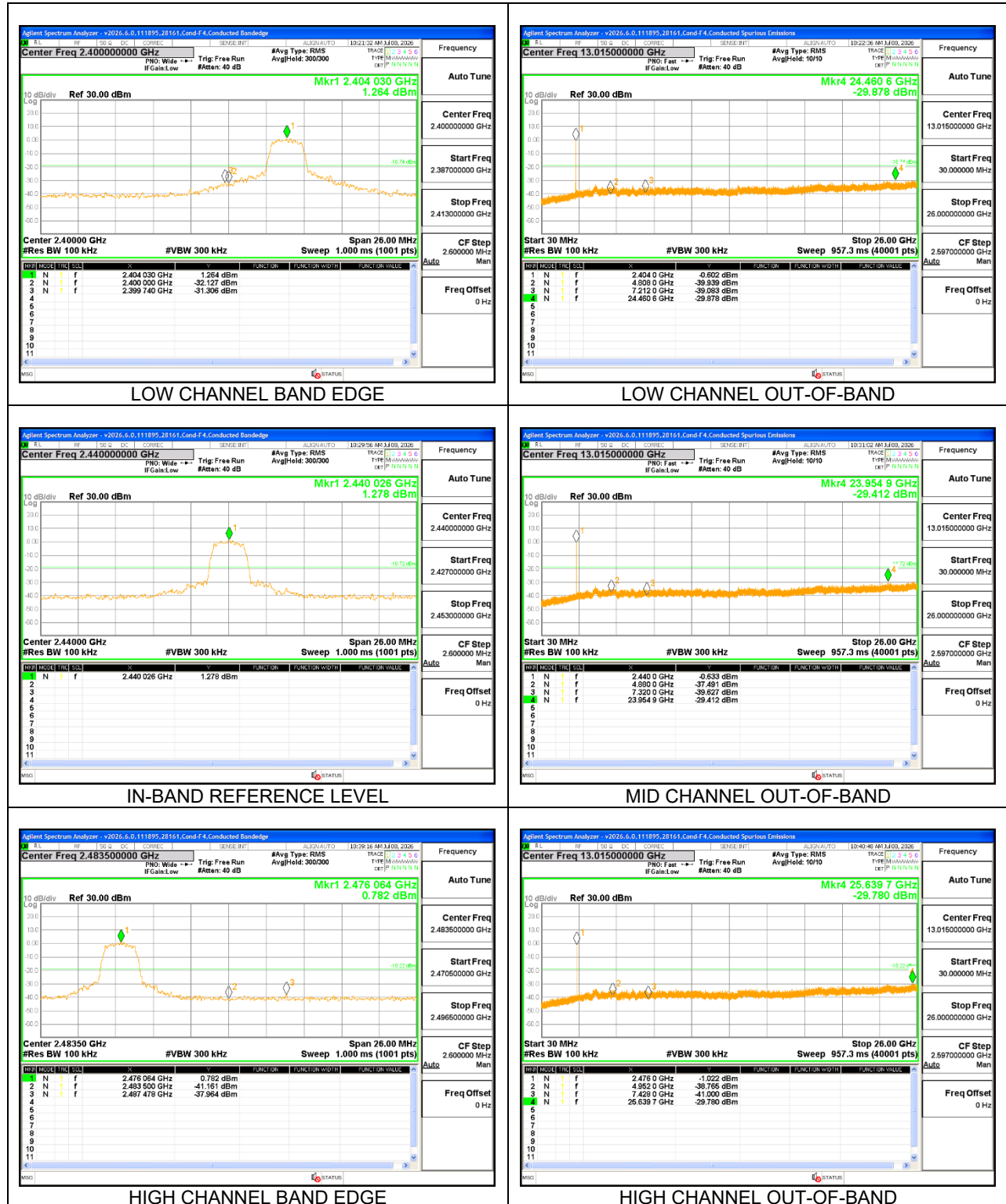


ANT 3

8.6.16. HDT8 – LOW POWER – MIMO TXBF

ANT 4



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 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 report 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 it must 15.209(a) limit.

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

Base 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 chamber measured test result is the worst-case test result.

RESULTS

The plots in this section are worst-case plots to show the analyzer's settings.

9.1. TRANSMITTER ABOVE 1 GHz

9.1.1. LOW BAND EDGE – HIGH POWER – SISO

Mode (SISO)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	DCCF (dB)	Amp/Cb/ Filt/Pad (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
LELR8	2402	4	* 2.39	61.44	Pk	28.4	0	-40.4	49.44	-	-	74	-24.56	77	142	H
			* 2.387918	63.51	Pk	28.4	0	-40.4	51.51	-	-	74	-22.49	77	142	H
			* 2.39	49.78	RMS	28.4	0.11	-40.4	37.89	54	-16.11	-	-	77	142	H
			* 2.32802	52.42	RMS	28.2	0.11	-40.5	40.23	54	-13.77	-	-	77	142	H
			* 2.39	61.86	Pk	28.4	0	-40.4	49.86	-	-	74	-24.14	263	398	V
			* 2.373653	63.25	Pk	28.4	0	-40.4	51.25	-	-	74	-22.75	263	398	V
		3	* 2.39	50.45	RMS	28.4	0.11	-40.4	38.56	54	-15.44	-	-	263	398	V
			* 2.316929	51.49	RMS	28.2	0.11	-40.4	39.4	54	-14.6	-	-	263	398	V
			* 2.39	59.72	Pk	32.2	0	-37.08	54.84	-	-	74	-19.16	36	151	H
			* 2.371368	62.55	Pk	32.1	0	-37.08	57.57	-	-	74	-16.43	36	151	H
			* 2.39	49.17	RMS	32.2	0.11	-37.08	44.4	54	-9.6	-	-	36	151	H
			* 2.374105	50.09	RMS	32.1	0.11	-37.09	45.21	54	-8.79	-	-	36	151	H
			* 2.39	59.74	Pk	32.2	0	-37.08	54.86	-	-	74	-19.14	293	148	V
			* 2.384993	61.7	Pk	32.2	0	-37.12	56.78	-	-	74	-17.22	293	148	V
LE1M	2402	4	* 2.39	49.29	RMS	32.2	0.11	-37.08	44.52	54	-9.48	-	-	293	148	V
			* 2.377569	50.05	RMS	32.2	0.11	-37.13	45.23	54	-8.77	-	-	293	148	V
		3	* 2.39	42.61	Pk	31.8	0	-19.4	55.01	-	-	74	-18.99	314	156	H
			* 2.351368	44.38	Pk	31.7	0	-19.3	56.78	-	-	74	-17.22	314	156	H
			* 2.39	30.89	RMS	31.8	0.72	-19.4	44.01	54	-9.99	-	-	314	156	H
			* 2.386644	32.16	RMS	31.8	0.72	-19.4	45.28	54	-8.72	-	-	314	156	H
			* 2.39	42.67	Pk	31.8	0	-19.4	55.07	-	-	74	-18.93	279	400	V
			* 2.334271	44.94	Pk	31.6	0	-19.2	57.34	-	-	74	-16.66	279	400	V
			* 2.39	31.33	RMS	31.8	0.72	-19.4	44.45	54	-9.55	-	-	279	400	V
			* 2.383713	32.78	RMS	31.7	0.72	-19.4	45.8	54	-8.2	-	-	279	400	V
		3	* 2.39	59.56	Pk	32.2	0	-37.08	54.68	-	-	74	-19.32	26	141	H
			* 2.378457	62.2	Pk	32.2	0	-37.14	57.26	-	-	74	-16.74	26	141	H
			* 2.39	49.13	RMS	32.2	0.72	-37.08	44.97	54	-9.03	-	-	26	141	H
			* 2.368704	50.2	RMS	32.1	0.72	-37.1	45.92	54	-8.08	-	-	26	141	H
			* 2.39	59.18	Pk	32.2	0	-37.08	54.3	-	-	74	-19.7	296	320	V
			* 2.387089	62.67	Pk	32.2	0	-37.1	57.77	-	-	74	-16.23	296	320	V
			* 2.39	49.36	RMS	32.2	0.72	-37.08	45.2	54	-8.8	-	-	296	320	V
			* 2.375866	50.33	RMS	32.2	0.72	-37.09	46.16	54	-7.84	-	-	296	320	V
LE2M	2404	4	* 2.39	42.31	Pk	31.8	0	-19.4	54.71	-	-	74	-19.29	2	106	H
			* 2.316616	44.51	Pk	31.5	0	-19.3	56.71	-	-	74	-17.29	2	106	H
			* 2.39	31.24	RMS	31.8	2.46	-19.4	46.1	54	-7.9	-	-	2	106	H
			* 2.345784	31.99	RMS	31.7	2.46	-19.2	46.95	54	-7.05	-	-	2	106	H
			* 2.39	41.62	Pk	31.8	0	-19.4	54.02	-	-	74	-19.98	276	326	V
			* 2.379668	44.97	Pk	31.7	0	-19.4	57.27	-	-	74	-16.73	276	326	V
		3	* 2.39	30.98	RMS	31.8	2.46	-19.4	45.84	54	-8.16	-	-	276	326	V
			* 2.378128	32.18	RMS	31.7	2.46	-19.3	47.04	54	-6.96	-	-	276	326	V
			* 2.39	59.53	Pk	32.2	0	-37.08	54.65	-	-	74	-19.35	21	129	H
			* 2.370669	62.77	Pk	32.1	0	-37.09	57.78	-	-	74	-16.22	21	129	H
			* 2.39	48.46	RMS	32.2	2.46	-37.08	46.04	54	-7.96	-	-	21	129	H
			* 2.389694	50.14	RMS	32.2	2.46	-37.08	47.72	54	-6.28	-	-	21	129	H
			* 2.39	59.83	Pk	32.2	0	-37.08	54.95	-	-	74	-19.05	295	400	V
			* 2.316303	63.35	Pk	31.9	0	-37.05	58.2	-	-	74	-15.8	295	400	V
HDT8	2404	4	* 2.39	48.98	RMS	32.2	2.46	-37.08	46.56	54	-7.44	-	-	295	400	V
			* 2.382605	50.01	RMS	32.2	2.46	-37.15	47.52	54	-6.48	-	-	295	400	V
		3	* 2.39	41.46	Pk	31.8	0	-19.4	53.86	-	-	74	-20.14	320	101	H
			* 2.327671	44.24	Pk	31.6	0	-19.3	56.54	-	-	74	-17.46	320	101	H
			* 2.39	31.64	RMS	31.8	0.5	-19.4	44.54	54	-9.46	-	-	320	101	H
			* 2.324887	32.4	RMS	31.6	0.5	-19.2	45.3	54	-8.7	-	-	320	101	H
			* 2.39	41.96	Pk	31.8	0	-19.4	54.36	-	-	74	-19.64	276	400	V
			* 2.322545	44.59	Pk	31.6	0	-19.2	56.99	-	-	74	-17.01	276	400	V
			* 2.39	31.54	RMS	31.8	0.5	-19.4	44.44	54	-9.56	-	-	276	400	V
			* 2.385744	32.55	RMS	31.8	0.5	-19.4	45.45	54	-8.55	-	-	276	400	V
		3	* 2.39	59.67	Pk	32.2	0	-37.08	54.79	-	-	74	-19.21	36	128	H
			* 2.381339	62.09	Pk	32.2	0	-37.15	57.14	-	-	74	-16.86	36	128	H
			* 2.39	49.13	RMS	32.2	0.5	-37.08	44.75	54	-9.25	-	-	36	128	H
			* 2.387278	50.38	RMS	32.2	0.5	-37.09	45.99	54	-8.01	-	-	36	128	H
			* 2.39	58.9	Pk	32.2	0	-37.08	54.02	-	-	74	-19.98	319	387	V
			* 2.365997	61.86	Pk	32.1	0	-37.13	56.83	-	-	74	-17.17	319	387	V
			* 2.39	49.09	RMS	32.2	0.5	-37.08	44.71	54	-9.29	-	-	319	387	V
			* 2.376652	50.12	RMS	32.2	0.5	-37.1	45.72	54	-8.28	-	-	319	387	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

9.1.2. LOW BAND EDGE – HIGH POWER – MIMO TXBF

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	DCCF (dB)	Amp/Cbl/ Filt/Pad (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
LELR8	2402	4+3	* 2.39	60.66	Pk	32.3	0	-40.4	52.56	-	-	74	-21.44	198	120	H
			* 2.312125	64.24	Pk	32	0	-40.3	55.94	-	-	74	-18.06	198	120	H
			* 2.39	50.27	RMS	32.3	0.11	-40.4	42.28	54	-11.72	-	-	198	120	H
			* 2.388209	51.11	RMS	32.3	0.11	-40.4	43.12	54	-10.88	-	-	198	120	H
			* 2.39	61.68	Pk	32.3	0	-40.4	53.58	-	-	74	-20.42	282	281	V
			* 2.311252	63.5	Pk	32	0	-40.3	55.2	-	-	74	-18.8	282	281	V
			* 2.39	50.51	RMS	32.3	0.11	-40.4	42.52	54	-11.48	-	-	282	281	V
LE1M	2402	4+3	* 2.38821	51.67	RMS	32.1	0.11	-40.4	43.48	54	-10.52	-	-	282	281	V
			* 2.39	60.69	Pk	32.3	0	-40.4	52.59	-	-	74	-21.41	198	120	H
			* 2.345604	63.59	Pk	32.2	0	-40.3	55.49	-	-	74	-18.51	198	120	H
			* 2.39	50.87	RMS	32.3	0.72	-40.4	43.49	54	-10.51	-	-	198	120	H
			* 2.334949	51.29	RMS	32.1	0.72	-40.4	43.71	54	-10.29	-	-	198	120	H
			* 2.39	61.85	Pk	32.3	0	-40.4	53.75	-	-	74	-20.25	282	281	V
			* 2.330102	64.29	Pk	32.1	0	-40.39	56	-	-	74	-18	282	281	V
LE2M	2404	4+3	* 2.39	49.97	RMS	32.3	0.72	-40.4	42.59	54	-11.41	-	-	282	281	V
			* 2.330146	51.64	RMS	32.1	0.72	-40.39	44.07	54	-9.93	-	-	282	281	V
			* 2.39	60.74	Pk	32.3	0	-40.4	52.64	-	-	74	-21.36	197	120	H
			* 2.365691	63.59	Pk	32.2	0	-40.4	55.39	-	-	74	-18.61	197	120	H
			* 2.39	49.87	RMS	32.3	2.46	-40.4	44.23	54	-9.77	-	-	197	120	H
			* 2.363624	51.25	RMS	32.2	2.46	-40.36	45.55	54	-8.45	-	-	197	120	H
			* 2.39	61.62	Pk	32.3	0	-40.4	53.52	-	-	74	-20.48	282	281	V
HDT8	2404	4+3	* 2.327831	63.84	Pk	32.1	0	-40.4	55.54	-	-	74	-18.46	282	281	V
			* 2.39	50.19	RMS	32.3	2.46	-40.4	44.55	54	-9.45	-	-	282	281	V
			* 2.318384	51.78	RMS	32	2.46	-40.4	45.84	54	-8.16	-	-	282	281	V
			* 2.39	61.53	Pk	32.3	0	-40.4	53.43	-	-	74	-20.57	198	120	H
			* 2.315196	63.53	Pk	32	0	-40.3	55.23	-	-	74	-18.77	198	120	H
			* 2.39	50.84	RMS	32.3	0.5	-40.4	43.24	54	-10.76	-	-	198	120	H
			* 2.389592	51.28	RMS	32.3	0.5	-40.4	43.68	54	-10.32	-	-	198	120	H
			* 2.39	61.15	Pk	32.3	0	-40.4	53.05	-	-	74	-20.95	282	281	V
			* 2.341106	63.47	Pk	32.1	0	-40.4	55.17	-	-	74	-18.83	282	281	V
			* 2.39	50.36	RMS	32.3	0.5	-40.4	42.76	54	-11.24	-	-	282	281	V
			* 2.317729	51.85	RMS	32	0.5	-40.37	43.98	54	-10.02	-	-	282	281	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

9.1.3. LOW BAND EDGE – LOW POWER – SISO

Mode (SISO)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	DCCF (dB)	Amp/Cbl/ Fitr/Pad (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
LELR8	2402	4	* 2.39	59.71	Pk	32.2	0	-37.08	54.83	-	-	74	-19.17	197	159	H
			* 2.341208	62.49	Pk	32	0	-37.02	57.47	-	-	74	-16.53	197	159	H
			* 2.39	49.14	RMS	32.2	0.11	-37.08	44.37	54	-9.63	-	-	197	159	H
			* 2.373522	50.53	RMS	32.1	0.11	-37.09	45.65	54	-8.35	-	-	197	159	H
			* 2.39	59.55	Pk	32.2	0	-37.08	54.67	-	-	74	-19.33	209	336	V
			* 2.366929	62.53	Pk	32.1	0	-37.12	57.51	-	-	74	-16.49	209	336	V
			* 2.39	49.59	RMS	32.2	0.11	-37.08	44.82	54	-9.18	-	-	209	336	V
		3	* 2.378864	50.31	RMS	32.2	0.11	-37.13	45.49	54	-8.51	-	-	209	336	V
			* 2.39	60.07	Pk	32.2	0	-37.08	55.19	-	-	74	-18.81	26	150	H
			* 2.350291	62.84	Pk	32	0	-37.1	57.74	-	-	74	-16.26	26	150	H
			* 2.39	49.3	RMS	32.2	0.11	-37.08	44.53	54	-9.47	-	-	26	150	H
			* 2.373784	50.43	RMS	32.1	0.11	-37.09	45.55	54	-8.45	-	-	26	150	H
			* 2.39	60.15	Pk	32.2	0	-37.08	55.27	-	-	74	-18.73	350	381	V
			* 2.377103	62.1	Pk	32.2	0	-37.11	57.19	-	-	74	-16.81	350	381	V
LE1M	2402	4	* 2.39	49.16	RMS	32.2	0.11	-37.08	44.39	54	-9.61	-	-	350	381	V
			* 2.389519	50.26	RMS	32.2	0.11	-37.08	45.49	54	-8.51	-	-	350	381	V
		3	* 2.39	61.17	Pk	32.2	0	-37.08	56.29	-	-	74	-17.71	248	143	H
			* 2.371674	62.33	Pk	32.1	0	-37.08	57.35	-	-	74	-16.65	248	143	H
			* 2.39	49.08	RMS	32.2	0.72	-37.08	44.92	54	-9.08	-	-	248	143	H
			* 2.386375	50.25	RMS	32.2	0.72	-37.11	46.06	54	-7.94	-	-	248	143	H
			* 2.39	60.35	Pk	32.2	0	-37.08	55.47	-	-	74	-18.53	191	336	V
		3	* 2.349825	62.15	Pk	32	0	-37.1	57.05	-	-	74	-16.95	191	336	V
			* 2.39	49.99	RMS	32.2	0.72	-37.08	45.83	54	-8.17	-	-	191	336	V
			* 2.375851	50.27	RMS	32.2	0.72	-37.09	46.1	54	-7.9	-	-	191	336	V
			* 2.39	59.83	Pk	32.2	0	-37.08	54.95	-	-	74	-19.05	31	147	H
			* 2.34441	62.64	Pk	32	0	-37.09	57.55	-	-	74	-16.45	31	147	H
			* 2.39	48.72	RMS	32.2	0.72	-37.08	44.56	54	-9.44	-	-	31	147	H
LE2M	2404	4	* 2.388864	50.13	RMS	32.2	0.72	-37.08	45.97	54	-8.03	-	-	31	147	H
			* 2.39	59.59	Pk	32.2	0	-37.08	54.71	-	-	74	-19.29	346	383	V
			* 2.389709	62.19	Pk	32.2	0	-37.08	57.31	-	-	74	-16.69	346	383	V
			* 2.39	49.18	RMS	32.2	0.72	-37.08	45.02	54	-8.98	-	-	346	383	V
		3	* 2.372256	50.16	RMS	32.1	0.72	-37.08	45.9	54	-8.1	-	-	346	383	V
			* 2.39	59.52	Pk	32.2	0	-37.08	54.64	-	-	74	-19.36	246	139	H
			* 2.323508	62.58	Pk	31.9	0	-37.02	57.46	-	-	74	-16.54	246	139	H
			* 2.39	48.67	RMS	32.2	2.46	-37.08	46.25	54	-7.75	-	-	246	139	H
			* 2.376841	50.18	RMS	32.2	2.46	-37.11	47.73	54	-6.27	-	-	246	139	H
			* 2.39	59.69	Pk	32.2	0	-37.08	54.81	-	-	74	-19.19	189	342	V
			* 2.389083	62.07	Pk	32.2	0	-37.08	57.19	-	-	74	-16.81	189	342	V
		3	* 2.39	49.46	RMS	32.2	2.46	-37.08	47.04	54	-6.96	-	-	189	342	V
			* 2.376754	50.18	RMS	32.2	2.46	-37.11	47.73	54	-6.27	-	-	189	342	V
			* 2.39	59.77	Pk	32.2	0	-37.08	54.89	-	-	74	-19.11	33	136	H
			* 2.386375	62.03	Pk	32.2	0	-37.11	57.12	-	-	74	-16.88	33	136	H
			* 2.39	49.01	RMS	32.2	2.46	-37.08	46.59	54	-7.41	-	-	33	136	H
HDT8	2404	4	* 2.389927	50.12	RMS	32.2	2.46	-37.08	47.7	54	-6.3	-	-	33	136	H
			* 2.39	60.14	Pk	32.2	0	-37.08	55.26	-	-	74	-18.74	353	340	V
			* 2.354076	62.43	Pk	32	0	-37.11	57.32	-	-	74	-16.68	353	340	V
			* 2.39	49.28	RMS	32.2	2.46	-37.08	46.86	54	-7.14	-	-	353	340	V
			* 2.358879	50.23	RMS	32.1	2.46	-37.13	47.66	54	-6.34	-	-	353	340	V
		3	* 2.39	60.14	Pk	32.2	0	-37.08	55.26	-	-	74	-18.74	210	156	H
			* 2.380902	62.22	Pk	32.2	0	-37.15	57.27	-	-	74	-16.73	210	156	H
			* 2.39	49.09	RMS	32.2	0.5	-37.08	44.71	54	-9.29	-	-	210	156	H
			* 2.342023	50.17	RMS	32	0.5	-37.03	45.64	54	-8.36	-	-	210	156	H
			* 2.39	60.14	Pk	32.2	0	-37.08	55.26	-	-	74	-18.74	193	380	V
			* 2.314163	62.16	Pk	31.9	0	-37.05	57.01	-	-	74	-16.99	193	380	V
			* 2.39	49.29	RMS	32.2	0.5	-37.08	44.91	54	-9.09	-	-	193	380	V
			* 2.386201	50.46	RMS	32.2	0.5	-37.11	46.05	54	-7.95	-	-	193	380	V
		3	* 2.39	54.39	Pk	32.3	0	-34.8	51.89	-	-	74	-22.11	276	132	H
			* 2.385678	56.06	Pk	32.2	0	-34.8	53.46	-	-	74	-20.54	276	132	H
			* 2.39	42.99	RMS	32.3	0.5	-34.8	40.99	54	-13.01	-	-	276	132	H
			* 2.386857	44.04	RMS	32.3	0.5	-34.8	42.04	54	-11.96	-	-	276	132	H
			* 2.39	53.89	Pk	32.3	0	-34.8	51.39	-	-	74	-22.61	325	112	V
			* 2.373051	56.55	Pk	32.1	0	-34.9	53.75	-	-	74	-20.25	325	112	V
			* 2.39	42.29	RMS	32.3	0.5	-34.8	40.29	54	-13.71	-	-	325	112	V
			* 2.389445	44.04	RMS	32.3	0.5	-34.8	42.04	54	-11.96	-	-	325	112	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

9.1.4. LOW BAND EDGE – LOW POWER – MIMO TXBF

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	DCCF (dB)	Amp/Cbl/ Filt/Pad (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
LELR8	2402	4+3	* 2.39	59.07	Pk	32.1	0	-34.83	56.34	-	-	74	-17.66	31	123	H
			* 2.33067	61.98	Pk	31.9	0	-34.88	59	-	-	74	-15	31	123	H
			* 2.39	49.06	RMS	32.1	0.11	-34.83	46.44	54	-7.56	-	-	31	123	H
			* 2.389505	49.5	RMS	32.1	0.11	-34.83	46.88	54	-7.12	-	-	31	123	H
			* 2.39	59.3	Pk	32.1	0	-34.83	56.57	-	-	74	-17.43	174	400	V
			* 2.385473	61.75	Pk	32	0	-34.81	58.94	-	-	74	-15.06	174	400	V
			* 2.39	48.81	RMS	32.1	0.11	-34.83	46.19	54	-7.81	-	-	174	400	V
			* 2.383042	49.67	RMS	32	0.11	-34.78	47	54	-7	-	-	174	400	V
LE1M	2402	4+3	* 2.39	60.15	Pk	32.1	0	-39.53	52.72	-	-	74	-21.28	17	118	H
			* 2.374119	63.06	Pk	32	0	-39.51	55.55	-	-	74	-18.45	17	118	H
			* 2.39	49.04	RMS	32.1	0.72	-39.53	42.33	54	-11.67	-	-	17	118	H
			* 2.375589	50.88	RMS	32.1	0.72	-39.56	44.14	54	-9.86	-	-	17	118	H
			* 2.39	60.13	Pk	32.1	0	-39.53	52.7	-	-	74	-21.3	313	393	V
			* 2.369854	63.17	Pk	32	0	-39.55	55.62	-	-	74	-18.38	313	393	V
			* 2.39	50.01	RMS	32.1	0.72	-39.53	43.3	54	-10.7	-	-	313	393	V
			* 2.388646	50.99	RMS	32.1	0.72	-39.53	44.28	54	-9.72	-	-	313	393	V
LE2M	2404	4+3	* 2.39	59.76	Pk	32.1	0	-34.83	57.03	-	-	74	-16.97	241	101	H
			* 2.373799	62.52	Pk	31.8	0	-34.86	59.46	-	-	74	-14.54	241	101	H
			* 2.39	49.14	RMS	32.1	2.46	-34.83	48.87	54	-5.13	-	-	241	101	H
			* 2.378093	49.69	RMS	31.9	2.46	-34.83	49.22	54	-4.78	-	-	241	101	H
			* 2.39	59.29	Pk	32.1	0	-34.83	56.56	-	-	74	-17.44	173	393	V
			* 2.387147	61.95	Pk	32	0	-34.82	59.13	-	-	74	-14.87	173	393	V
			* 2.39	48.69	RMS	32.1	2.46	-34.83	48.42	54	-5.58	-	-	173	393	V
			* 2.388879	49.59	RMS	32.1	2.46	-34.84	49.31	54	-4.69	-	-	173	393	V
HDT8	2404	4+3	* 2.39	63.36	Pk	32.1	0	-39.53	55.93	-	-	74	-18.07	194	146	H
			* 2.376041	63.72	Pk	32.1	0	-39.56	56.26	-	-	74	-17.74	194	146	H
			* 2.39	49.93	RMS	32.1	0.5	-39.53	43	54	-11	-	-	194	146	H
			* 2.386899	51.02	RMS	32.1	0.5	-39.55	44.07	54	-9.93	-	-	194	146	H
			* 2.39	60.44	Pk	32.1	0	-39.53	53.01	-	-	74	-20.99	133	385	V
			* 2.35623	63.28	Pk	32	0	-39.59	55.69	-	-	74	-18.31	133	385	V
			* 2.39	50.08	RMS	32.1	0.5	-39.53	43.15	54	-10.85	-	-	133	385	V
			* 2.38901	50.93	RMS	32.1	0.5	-39.53	44	54	-10	-	-	133	385	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

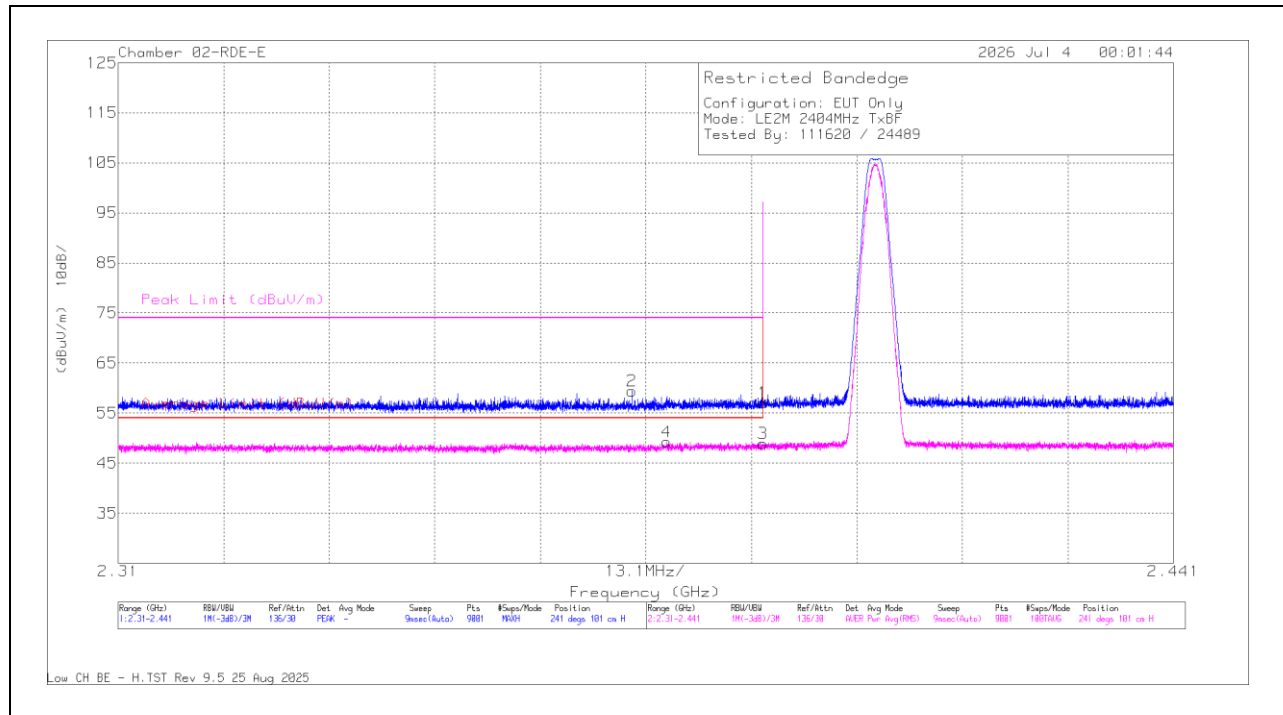
Pk - Peak detector

RMS - RMS detection

9.1.5. LOW BAND EDGE – WORST-CASE

BLE2M / 2404 MHz / LOW POWER / MIMO TXBF

HORIZONTAL RESULT



MEASURED DATA

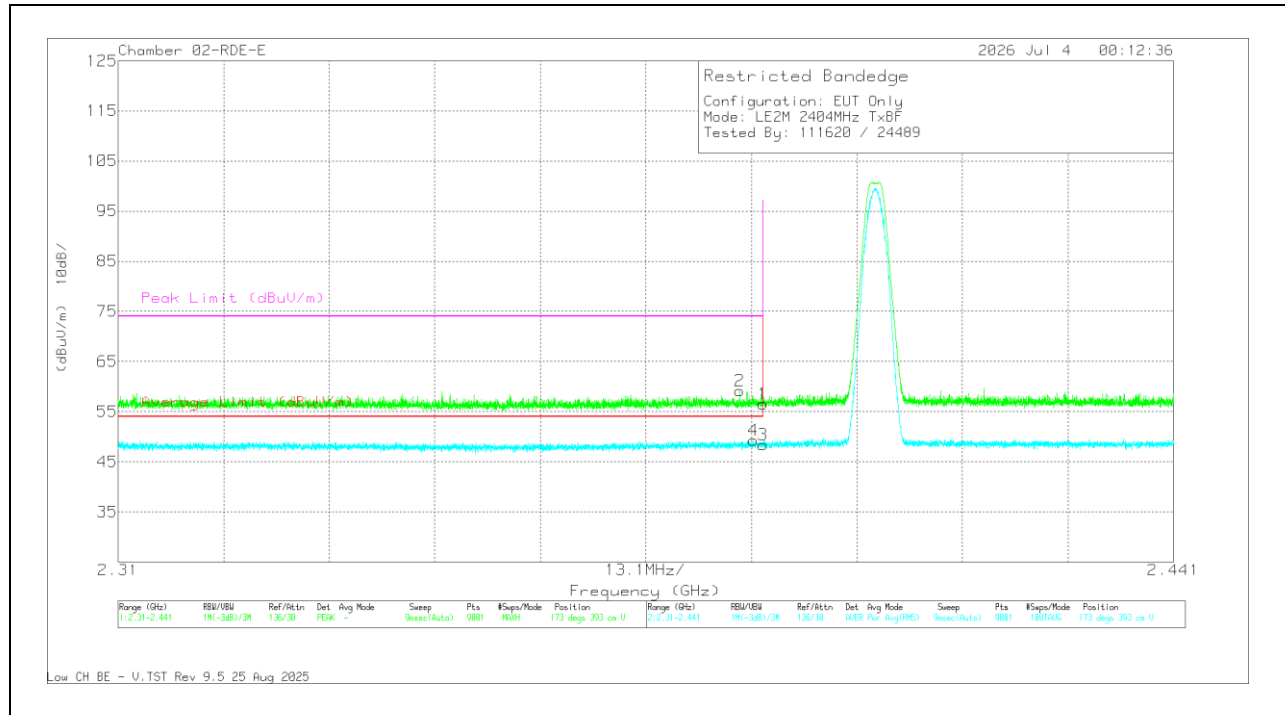
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	59.76	Pk	32.1	0	-34.83	57.03	-	-	74	-16.97	241	101	H
2	* 2.373799	62.52	Pk	31.8	0	-34.86	59.46	-	-	74	-14.54	241	101	H
3	* 2.39	49.14	RMS	32.1	2.46	-34.83	48.87	54	-5.13	-	-	241	101	H
4	* 2.378093	49.69	RMS	31.9	2.46	-34.83	49.22	54	-4.78	-	-	241	101	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



MEASURED DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	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	59.29	Pk	32.1	0	-34.83	56.56	-	-	74	-17.44	173	393	V
2	* 2.387147	61.95	Pk	32	0	-34.82	59.13	-	-	74	-14.87	173	393	V
3	* 2.39	48.69	RMS	32.1	2.46	-34.83	48.42	54	-5.58	-	-	173	393	V
4	* 2.388879	49.59	RMS	32.1	2.46	-34.84	49.31	54	-4.69	-	-	173	393	V

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

Pk - Peak detector

RMS - RMS detection

9.1.6. HIGH BAND EDGE – HIGH POWER – SISO

Mode (SISO)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	DCCF (dB)	Amp/Cbl/ Ftr/Pad (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
LELR8	2480	4	* 2.4835	62.67	Pk	29	0	-40.1	51.57	-	-	74	-22.43	44	134	H
			* 2.483566	66.2	Pk	29	0	-40.1	55.1	-	-	74	-18.9	44	134	H
			* 2.4835	51.78	RMS	29	0.11	-40.1	40.79	54	-13.21	-	-	44	134	H
			* 2.483851	52.35	RMS	29	0.11	-40.1	41.36	54	-12.64	-	-	44	134	H
			* 2.4835	61.66	Pk	29	0	-40.1	50.56	-	-	74	-23.44	259	365	V
			* 2.4835	50.73	RMS	29	0.11	-40.1	40.04	54	-13.96	-	-	259	365	V
		3	2.559005	51.34	RMS	29.4	0.11	-40	41.15	-	-	-	-	259	365	V
			2.561798	63.28	Pk	29.5	0	-39.92	52.86	-	-	-	-	259	365	V
			* 2.4835	61.46	Pk	32.4	0	-36.91	56.95	-	-	74	-17.05	44	128	H
			* 2.492418	63.05	Pk	32.4	0	-36.93	58.52	-	-	74	-15.48	44	128	H
			* 2.4835	50.07	RMS	32.4	0.11	-36.91	45.67	54	-8.33	-	-	44	128	H
			* 2.483688	50.67	RMS	32.4	0.11	-36.9	46.28	54	-7.72	-	-	44	128	H
			* 2.4835	60.02	Pk	32.4	0	-36.91	55.51	-	-	74	-18.49	355	358	V
			2.500145	62.37	Pk	32.5	0	-36.91	57.96	-	-	-	-	355	358	V
			* 2.4835	49.29	RMS	32.4	0.11	-36.91	44.89	54	-9.11	-	-	355	358	V
			* 2.483566	50.69	RMS	32.4	0.11	-36.9	46.3	54	-7.7	-	-	355	358	V
LE1M	2480	4	* 2.4835	65.95	Pk	29	0	-40.1	54.85	-	-	74	-19.15	41	133	H
			* 2.483512	66.71	Pk	29	0	-40.1	55.61	-	-	74	-18.39	41	133	H
			* 2.4835	51.61	RMS	29	0.72	-40.1	41.23	54	-12.77	-	-	41	133	H
			* 2.483525	52.15	RMS	29	0.72	-40.1	41.77	54	-12.23	-	-	41	133	H
			* 2.4835	60.87	Pk	29	0	-40.1	49.77	-	-	74	-24.23	258	357	V
			* 2.4835	50.63	RMS	29	0.72	-40.1	40.25	54	-13.75	-	-	258	357	V
		3	2.556077	63.25	Pk	29.4	0	-39.9	52.75	-	-	-	-	258	357	V
			2.560998	51.15	RMS	29.4	0.72	-40	41.27	-	-	-	-	258	357	V
			* 2.4835	61.07	Pk	32.4	0	-36.91	56.56	-	-	74	-17.44	20	141	H
			* 2.483796	62.11	Pk	32.4	0	-36.9	57.61	-	-	74	-16.39	20	141	H
			* 2.4835	49.79	RMS	32.4	0.72	-36.91	46	54	-8	-	-	20	141	H
			* 2.483525	50.74	RMS	32.4	0.72	-36.9	46.96	54	-7.04	-	-	20	141	H
			* 2.4835	60.44	Pk	32.4	0	-36.91	55.93	-	-	74	-18.07	350	399	V
			* 2.483552	62.04	Pk	32.4	0	-36.9	57.54	-	-	74	-16.46	350	399	V
			* 2.4835	49.35	RMS	32.4	0.72	-36.91	45.56	54	-8.44	-	-	350	399	V
			* 2.48404	50.44	RMS	32.4	0.72	-36.9	46.66	54	-7.34	-	-	350	399	V
LE2M	2478	4	* 2.4835	62.02	Pk	29	0	-40.1	50.92	-	-	74	-23.08	215	143	H
			* 2.4835	50.6	RMS	29	2.46	-40.1	41.96	54	-12.04	-	-	215	143	H
			2.561852	63.46	Pk	29.5	0	-39.91	53.05	-	-	-	-	215	143	H
			2.56295	51.18	RMS	29.5	2.46	-39.9	43.24	-	-	-	-	215	143	H
			* 2.4835	60.5	Pk	29	0	-40.1	49.4	-	-	74	-24.6	61	218	V
			* 2.4835	50.13	RMS	29	2.46	-40.1	41.49	54	-12.51	-	-	61	218	V
		3	2.545923	64.22	Pk	29.4	0	-40	53.62	-	-	-	-	61	218	V
			2.562231	50.9	RMS	29.5	2.46	-39.9	42.96	-	-	-	-	61	218	V
			* 2.4835	60.41	Pk	32.4	0	-36.91	55.9	-	-	74	-18.1	18	153	H
			2.529195	62.55	Pk	32.5	0	-36.89	58.16	-	-	-	-	18	153	H
			* 2.4835	49.18	RMS	32.4	2.46	-36.91	47.13	54	-6.87	-	-	18	153	H
			* 2.492919	50.51	RMS	32.4	2.46	-36.92	48.45	54	-5.55	-	-	18	153	H
			* 2.4835	60.16	Pk	32.4	0	-36.91	55.65	-	-	74	-18.35	338	368	V
			2.522797	62.42	Pk	32.5	0	-36.87	58.05	-	-	-	-	338	368	V
			* 2.4835	49.27	RMS	32.4	2.46	-36.91	47.22	54	-6.78	-	-	338	368	V
			* 2.484515	50.3	RMS	32.4	2.46	-36.92	48.24	54	-5.76	-	-	338	368	V
HDT8	2476	4	* 2.4835	53.08	Pk	32.3	0	-19.9	65.48	-	-	74	-8.52	318	182	H
			* 2.483553	53.36	Pk	32.3	0	-19.9	65.76	-	-	74	-8.24	318	182	H
			* 2.4835	36.33	RMS	32.3	0.5	-19.9	49.23	54	-4.77	-	-	318	182	H
			* 2.483568	37.28	RMS	32.3	0.5	-19.9	50.18	54	-3.82	-	-	318	182	H
			* 2.4835	41.68	Pk	32.3	0	-19.9	54.08	-	-	74	-19.92	100	147	V
			2.507895	43.86	Pk	32.4	0	-20	56.26	-	-	-	-	100	147	V
		3	* 2.4835	30.86	RMS	32.3	0.5	-19.9	43.76	54	-10.24	-	-	100	147	V
			* 2.497005	32.11	RMS	32.3	0.5	-20	44.91	54	-9.09	-	-	100	147	V
			* 2.4835	70.86	Pk	32.4	0	-36.91	66.35	-	-	74	-7.65	32	142	H
			* 2.483539	70.88	Pk	32.4	0	-36.9	66.38	-	-	74	-7.62	32	142	H
			* 2.4835	54.2	RMS	32.4	0.5	-36.91	50.19	54	-3.81	-	-	32	142	H
			* 2.483512	54.58	RMS	32.4	0.5	-36.9	50.58	54	-3.42	-	-	32	142	H
			* 2.4835	68.57	Pk	32.4	0	-36.91	64.06	-	-	74	-9.94	351	397	V
			* 2.483512	68.52	Pk	32.4	0	-36.9	64.02	-	-	74	-9.98	351	397	V
			* 2.4835	51.93	RMS	32.4	0.5	-36.91	47.92	54	-6.08	-	-	351	397	V
			* 2.483647	52.6	RMS	32.4	0.5	-36.9	48.6	54	-5.4	-	-	351	397	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

9.1.7. HIGH BAND EDGE – HIGH POWER – MIMO TXBF

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	DCCF(dB)	Amp/Cbl/ Ftr/Pad (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
LELR8	2480	4+3	* 2.4835	59.83	Pk	32.3	0	-37.92	54.21	-	-	74	-19.79	38	104	H
			* 2.48526	61.35	Pk	32.3	0	-37.97	55.68	-	-	74	-18.32	38	104	H
			* 2.4835	47.89	RMS	32.3	0.11	-37.92	42.38	54	-11.62	-	-	38	104	H
			* 2.484406	48.64	RMS	32.3	0.11	-37.95	43.1	54	-10.9	-	-	38	104	H
			* 2.4835	58	Pk	32.3	0	-37.92	52.38	-	-	74	-21.62	332	115	V
			2.546628	60.03	Pk	32.4	0	-37.78	54.65	-	-	-	-	332	115	V
			* 2.4835	47.64	RMS	32.3	0.11	-37.92	42.13	54	-11.87	-	-	332	115	V
			* 2.484162	48.11	RMS	32.3	0.11	-37.94	42.38	54	-11.62	-	-	332	115	V
LE1M	2480	4+3	* 2.4835	58.62	Pk	32.3	0	-37.92	53	-	-	74	-21	215	150	H
			* 2.483593	59.82	Pk	32.3	0	-37.92	54.2	-	-	74	-19.8	215	150	H
			* 2.4835	47.19	RMS	32.3	0.72	-37.92	42.29	54	-11.71	-	-	215	150	H
			* 2.484949	48.44	RMS	32.3	0.72	-37.96	43.5	54	-10.5	-	-	215	150	H
			* 2.4835	57.6	Pk	32.3	0	-37.92	51.98	-	-	74	-22.02	150	150	V
			2.561838	59.84	Pk	32.3	0	-37.81	54.33	-	-	-	-	150	150	V
			* 2.4835	47.47	RMS	32.3	0.72	-37.92	42.57	54	-11.43	-	-	150	150	V
			2.538861	47.32	RMS	32.4	0.72	-37.63	42.81	-	-	-	-	150	150	V
LE2M	2478	4+3	* 2.4835	57.57	Pk	32.3	0	-37.92	51.95	-	-	74	-22.05	217	118	H
			2.541816	59.55	Pk	32.4	0	-37.7	54.25	-	-	-	-	217	118	H
			* 2.4835	46.77	RMS	32.3	2.46	-37.92	43.61	54	-10.39	-	-	217	118	H
			2.540555	47.28	RMS	32.4	2.46	-37.67	44.47	-	-	-	-	217	118	H
			* 2.4835	58.17	Pk	32.3	0	-37.92	52.55	-	-	74	-21.45	160	150	V
			2.539837	59.51	Pk	32.4	0	-37.65	54.26	-	-	-	-	160	150	V
			* 2.4835	46.72	RMS	32.3	2.46	-37.92	43.56	54	-10.44	-	-	160	150	V
			2.538563	47.64	RMS	32.4	2.46	-37.64	44.86	-	-	-	-	160	150	V
HDT8	2476	4+3	* 2.4835	76.22	Pk	32.2	0	-40.2	68.22	-	-	74	-5.78	359	103	H
			* 2.483566	76.19	Pk	32.2	0	-40.2	68.19	-	-	74	-5.81	359	103	H
			* 2.4835	57.36	RMS	32.2	0.5	-40.2	49.86	54	-4.14	-	-	359	103	H
			* 2.483688	58.6	RMS	32.2	0.5	-40.2	51.1	54	-2.9	-	-	359	103	H
			* 2.4835	70.64	Pk	32.2	0	-40.2	62.64	-	-	74	-11.36	128	367	V
			* 2.483512	70.9	Pk	32.2	0	-40.2	62.9	-	-	74	-11.1	128	367	V
			* 2.4835	53.49	RMS	32.2	0.5	-40.2	45.99	54	-8.01	-	-	128	367	V
			* 2.483593	54.66	RMS	32.2	0.5	-40.2	47.16	54	-6.84	-	-	128	367	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

9.1.8. HIGH BAND EDGE – LOW POWER – SISO

Mode (SISO)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	DCCF (dB)	Amp/Cbl/ Ftr/Pad (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
LELR8	2480	4	* 2.4835	59.73	Pk	32.4	0	-36.91	55.22	-	-	74	-18.78	235	123	H
			2.558341	62.55	Pk	32.3	0	-36.81	58.04	-	-	-	-	235	123	H
			* 2.4835	49.21	RMS	32.4	0.11	-36.91	44.81	54	-9.19	-	-	235	123	H
			* 2.483823	50.25	RMS	32.4	0.11	-36.9	45.86	54	-8.14	-	-	235	123	H
			* 2.4835	59.64	Pk	32.4	0	-36.91	55.13	-	-	74	-18.87	191	358	V
			2.516276	62.33	Pk	32.5	0	-36.9	57.93	-	-	-	-	191	358	V
		3	* 2.4835	49.73	RMS	32.4	0.11	-36.91	45.33	54	-8.67	-	-	191	358	V
			* 2.488039	50.31	RMS	32.4	0.11	-36.95	45.87	54	-8.13	-	-	191	358	V
			* 2.4835	60.27	Pk	32.4	0	-36.91	55.76	-	-	74	-18.24	350	358	V
			2.52178	61.93	Pk	32.5	0	-36.89	57.54	-	-	-	-	350	358	V
			* 2.4835	49.45	RMS	32.4	0.11	-36.91	45.05	54	-8.95	-	-	350	358	V
			2.523014	50.16	RMS	32.5	0.11	-36.87	45.9	-	-	-	-	350	358	V
LE1M	2480	4	* 2.4835	60.31	Pk	32.4	0	-36.91	55.8	-	-	74	-18.2	184	156	H
			* 2.48522	62.83	Pk	32.4	0	-36.93	58.3	-	-	74	-15.7	184	156	H
			* 2.4835	49.15	RMS	32.4	0.72	-36.91	45.36	54	-8.64	-	-	184	156	H
			* 2.483566	50.42	RMS	32.4	0.72	-36.9	46.64	54	-7.36	-	-	184	156	H
			* 2.4835	60.27	Pk	32.4	0	-36.91	55.76	-	-	74	-18.24	186	359	V
			2.514555	62.18	Pk	32.5	0	-36.88	57.8	-	-	-	-	186	359	V
		3	* 2.4835	49.38	RMS	32.4	0.72	-36.91	45.59	54	-8.41	-	-	186	359	V
			2.533099	50.18	RMS	32.5	0.72	-36.9	46.5	-	-	-	-	186	359	V
			* 2.4835	59.78	Pk	32.4	0	-36.91	55.27	-	-	74	-18.73	41	127	H
			2.55365	62.5	Pk	32.3	0	-36.73	58.07	-	-	-	-	41	127	H
			* 2.4835	48.58	RMS	32.4	0.72	-36.91	44.79	54	-9.21	-	-	41	127	H
			* 2.495007	50.23	RMS	32.4	0.72	-36.88	46.47	54	-7.53	-	-	41	127	H
		3	* 2.4835	59.44	Pk	32.4	0	-36.91	54.93	-	-	74	-19.07	349	355	V
			2.54999	62.23	Pk	32.3	0	-36.74	57.79	-	-	-	-	349	355	V
			* 2.4835	48.72	RMS	32.4	0.72	-36.91	44.93	54	-9.07	-	-	349	355	V
			2.51568	50.14	RMS	32.5	0.72	-36.89	46.47	-	-	-	-	349	355	V
LE2M	2478	4	* 2.4835	60.89	Pk	32.4	0	-36.91	56.38	-	-	74	-17.62	196	126	H
			2.501609	62	Pk	32.5	0	-36.93	57.57	-	-	-	-	196	126	H
			* 2.4835	49.49	RMS	32.4	2.46	-36.91	47.44	54	-6.56	-	-	196	126	H
			* 2.485735	50.27	RMS	32.4	2.46	-36.92	48.21	54	-5.79	-	-	196	126	H
			* 2.4835	59.74	Pk	32.4	0	-36.91	55.23	-	-	74	-18.77	190	359	V
			2.52342	62.15	Pk	32.5	0	-36.87	57.78	-	-	-	-	190	359	V
		3	* 2.4835	49.06	RMS	32.4	2.46	-36.91	47.01	54	-6.99	-	-	190	359	V
			2.50066	50.22	RMS	32.5	2.46	-36.91	48.27	-	-	-	-	190	359	V
			* 2.4835	59.46	Pk	32.4	0	-36.91	54.95	-	-	74	-19.05	30	114	H
			2.536082	62.02	Pk	32.4	0	-36.86	57.56	-	-	-	-	30	114	H
			* 2.4835	49.03	RMS	32.4	2.46	-36.91	46.98	54	-7.02	-	-	30	114	H
			2.512399	50.3	RMS	32.5	2.46	-36.89	48.37	-	-	-	-	30	114	H
HDT8	2476	4	* 2.4835	59.77	Pk	32.4	0	-36.91	55.26	-	-	74	-18.74	351	396	V
			2.524532	62.03	Pk	32.5	0	-36.87	57.66	-	-	-	-	351	396	V
			* 2.4835	49.98	RMS	32.4	2.46	-36.91	47.93	54	-6.07	-	-	351	396	V
			* 2.494655	50.23	RMS	32.4	2.46	-36.89	48.2	54	-5.8	-	-	351	396	V
			* 2.4835	67.65	Pk	32.4	0	-36.91	63.14	-	-	74	-10.86	236	114	H
			* 2.483512	68.63	Pk	32.4	0	-36.9	64.13	-	-	74	-9.87	236	114	H
		3	* 2.4835	53.83	RMS	32.4	0.5	-36.91	49.82	54	-4.18	-	-	236	114	H
			* 2.483688	53.64	RMS	32.4	0.5	-36.9	49.64	54	-4.36	-	-	236	114	H
			* 2.4835	66.16	Pk	32.4	0	-36.91	61.65	-	-	74	-12.35	179	357	V
			* 2.484257	67.73	Pk	32.4	0	-36.91	63.22	-	-	74	-10.78	179	357	V
			* 2.4835	53.12	RMS	32.4	0.5	-36.91	49.11	54	-4.89	-	-	179	357	V
			* 2.48362	53.63	RMS	32.4	0.5	-36.9	49.63	54	-4.37	-	-	179	357	V
		3	* 2.4835	66.04	Pk	32.3	0	-39.37	58.97	-	-	74	-15.03	210	209	H
			* 2.483634	66.65	Pk	32.3	0	-39.37	59.58	-	-	74	-14.42	210	209	H
			* 2.4835	54.09	RMS	32.3	0.5	-39.37	47.52	54	-6.48	-	-	210	209	H
			* 2.483512	54.61	RMS	32.3	0.5	-39.37	48.04	54	-5.96	-	-	210	209	H
			* 2.4835	65.8	Pk	32.3	0	-39.37	58.73	-	-	74	-15.27	279	130	V
			* 2.483701	66.44	Pk	32.3	0	-39.37	59.37	-	-	74	-14.63	279	130	V
			* 2.4835	53.81	RMS	32.3	0.5	-39.37	47.24	54	-6.76	-	-	279	130	V
			* 2.48362	54.04	RMS	32.3	0.5	-39.37	47.47	54	-6.53	-	-	279	130	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

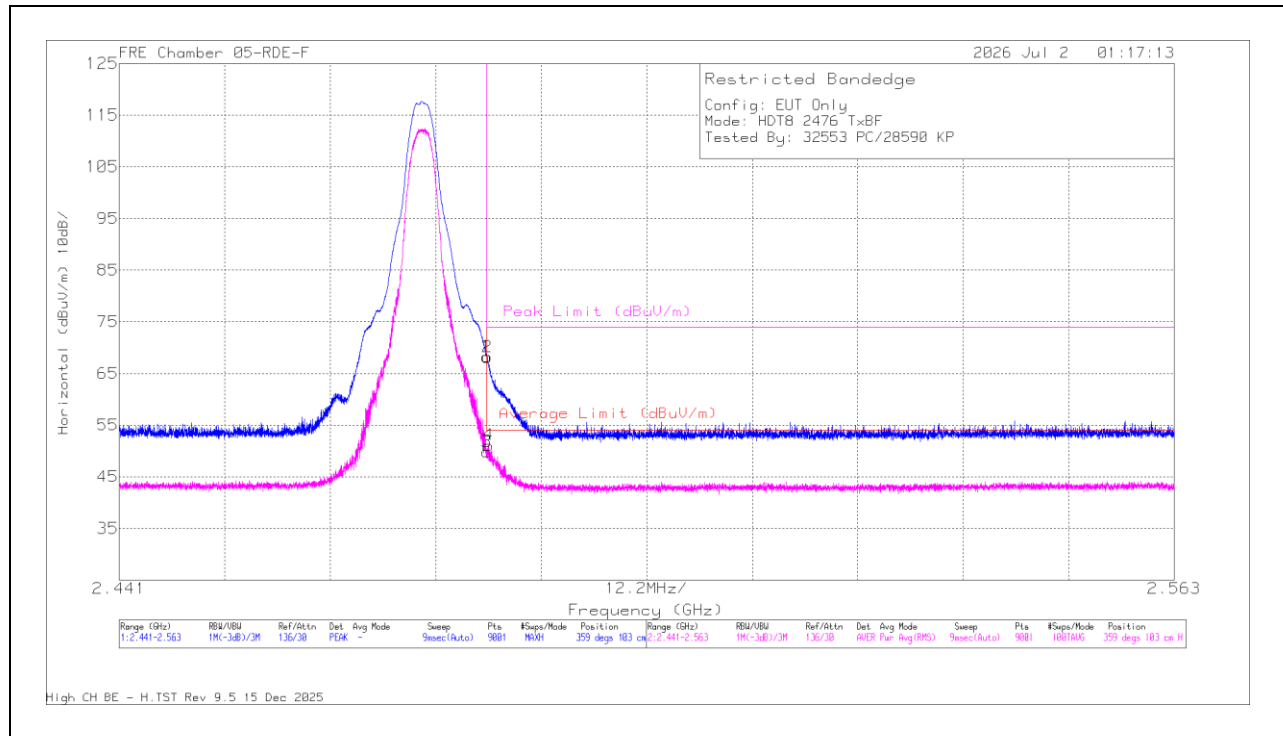
9.1.9. HIGH BAND EDGE – LOW POWER – MIMO TXBF

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	DCCF (dB)	Amp/Cbl/ Ftr/Pad (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
LELR8	2480	4+3	* 2.4835	59.96	Pk	32.1	0	-34.5	57.56	-	-	74	-16.44	239	156	H
			* 2.4835	48.97	RMS	32.1	0.11	-34.5	46.68	54	-7.32	-	-	239	156	H
			2.513552	62.57	Pk	32.3	0	-34.41	60.46	-	-	-	-	239	156	H
			2.552105	49.53	RMS	32.2	0.11	-34.39	47.45	-	-	-	-	239	156	H
			* 2.4835	59.58	Pk	32.1	0	-34.5	57.18	-	-	74	-16.82	172	373	V
			* 2.496837	61.75	Pk	32.2	0	-34.48	59.47	-	-	74	-14.53	172	373	V
			* 2.4835	48.79	RMS	32.1	0.11	-34.5	46.5	54	-7.5	-	-	172	373	V
			* 2.48892	49.81	RMS	32.2	0.11	-34.5	47.62	54	-6.38	-	-	172	373	V
LE1M	2480	4+3	* 2.4835	61.47	Pk	32.3	0	-39.37	54.4	-	-	74	-19.6	348	135	H
			2.504944	63.07	Pk	32.4	0	-39.36	56.11	-	-	-	-	348	135	H
			* 2.4835	50.29	RMS	32.3	0.72	-39.37	43.94	54	-10.06	-	-	348	135	H
			2.507113	50.9	RMS	32.4	0.72	-39.3	44.72	-	-	-	-	348	135	H
			* 2.4835	60.31	Pk	32.3	0	-39.37	53.24	-	-	74	-20.76	122	361	V
			2.561648	63.73	Pk	32.3	0	-39.14	56.89	-	-	-	-	122	361	V
			* 2.4835	49.44	RMS	32.3	0.72	-39.37	43.09	54	-10.91	-	-	122	361	V
			2.536231	50.98	RMS	32.3	0.72	-39.24	44.76	-	-	-	-	122	361	V
LE2M	2478	4+3	* 2.4835	60.2	Pk	32.1	0	-34.5	57.8	-	-	74	-16.2	33	119	H
			* 2.4835	48.6	RMS	32.1	2.46	-34.5	48.66	54	-5.34	-	-	33	119	H
			2.521929	50.06	RMS	32.3	2.46	-34.43	50.39	-	-	-	-	33	119	H
			2.522363	62.59	Pk	32.3	0	-34.43	60.46	-	-	-	-	33	119	H
			* 2.4835	59.64	Pk	32.1	0	-34.5	57.24	-	-	74	-16.76	171	374	V
			* 2.4835	48.11	RMS	32.1	2.46	-34.5	48.17	54	-5.83	-	-	171	374	V
			* 2.484406	49.7	RMS	32.1	2.46	-34.5	49.76	54	-4.24	-	-	171	374	V
			2.534794	62.23	Pk	32.3	0	-34.42	60.11	-	-	-	-	171	374	V
HDT8	2476	4+3	* 2.4835	69.87	Pk	32.3	0	-39.37	62.8	-	-	74	-11.2	347	114	H
			* 2.483539	70.2	Pk	32.3	0	-39.37	63.13	-	-	74	-10.87	347	114	H
			* 2.4835	56.45	RMS	32.3	0.5	-39.37	49.88	54	-4.12	-	-	347	114	H
			* 2.483661	57	RMS	32.3	0.5	-39.37	50.43	54	-3.57	-	-	347	114	H
			* 2.4835	67.47	Pk	32.3	0	-39.37	60.4	-	-	74	-13.6	130	369	V
			* 2.483539	68.27	Pk	32.3	0	-39.37	61.2	-	-	74	-12.8	130	369	V
			* 2.4835	55.97	RMS	32.3	0.5	-39.37	49.4	54	-4.6	-	-	130	369	V
			* 2.483552	56.68	RMS	32.3	0.5	-39.37	50.11	54	-3.89	-	-	130	369	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

9.1.10. HIGH BAND EDGE – WORST-CASE**HDT8 / 2476 MHz / HIGH POWER / MIMO TXBF****HORIZONTAL RESULT****MEASURED DATA**

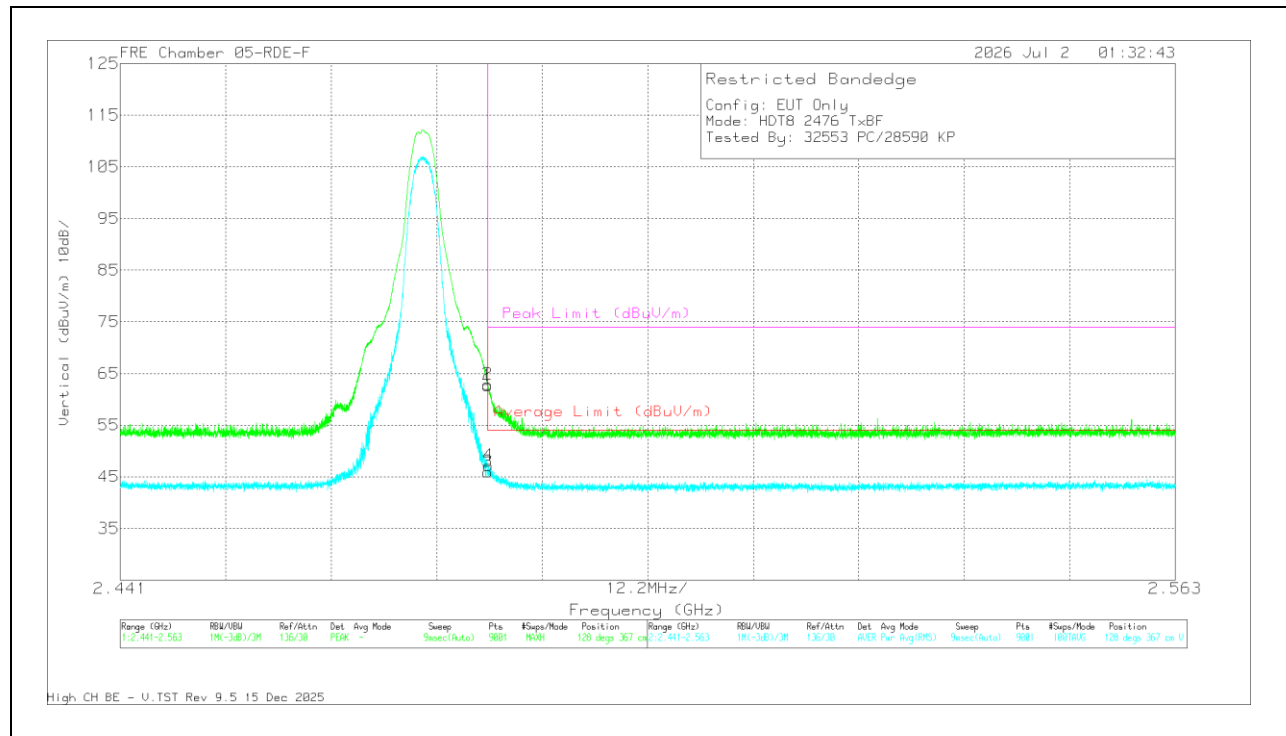
Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	230299 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	76.22	Pk	32.2	0	-40.2	68.22	-	-	74	-5.78	359	103	H
2	* 2.483566	76.19	Pk	32.2	0	-40.2	68.19	-	-	74	-5.81	359	103	H
3	* 2.4835	57.36	RMS	32.2	.5	-40.2	49.86	54	-4.14	-	-	359	103	H
4	* 2.483688	58.6	RMS	32.2	.5	-40.2	51.1	54	-2.9	-	-	359	103	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



MEASURED DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB/m)	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	* 2.4835	70.64	Pk	32.2	0	-40.2	62.64	-	-	74	-11.36	128	367	V
2	* 2.483512	70.9	Pk	32.2	0	-40.2	62.9	-	-	74	-11.1	128	367	V
3	* 2.4835	53.49	RMS	32.2	.5	-40.2	45.99	54	-8.01	-	-	128	367	V
4	* 2.483593	54.66	RMS	32.2	.5	-40.2	47.16	54	-6.84	-	-	128	367	V

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

Pk - Peak detector

RMS - RMS detection

9.1.11. SPURIOUS EMISSIONS – HIGH POWER – MIMO TXBF

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	DCCF (dB)	Amp/Cbl/ Ftr/Pad (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
LELR8	2402	4 + 3	* 1.363799	59.52	PK2	28.8	0	-36.71	51.61	-	-	74	-22.39	24	131	V
			* 1.364632	46.78	MAV1	28.8	0.11	-36.71	38.98	54	-15.02	-	-	24	131	V
			* 1.39543	58.65	PK2	28.6	0	-36.63	50.62	-	-	74	-23.38	338	173	H
			* 1.396564	46.92	MAV1	28.6	0.11	-36.63	39	54	-15	-	-	338	173	H
			3.126788	55.7	PK2	33	0	-45	43.7	-	-	-	-	359	100	H
			3.131766	43.71	MAV1	33	0.11	-45	31.82	-	-	-	-	359	100	H
			3.159358	55.03	PK2	33	0	-44.83	43.2	-	-	-	-	327	200	V
			3.174478	43.64	MAV1	32.9	0.11	-44.72	31.93	-	-	-	-	327	200	V
			7.205187	59.18	PK2	35.6	0	-43.27	51.51	-	-	-	-	359	107	H
			7.205309	54.9	MAV1	35.6	0.11	-43.27	47.34	-	-	-	-	327	101	V
			7.206489	53.32	MAV1	35.6	0.11	-43.27	45.76	-	-	-	-	359	107	H
			7.206593	60.73	PK2	35.6	0	-43.27	53.06	-	-	-	-	327	101	V
	2440	4 + 3	* 15.6208	41.08	MAV1	40.1	0.11	-39.36	41.93	54	-12.07	-	-	360	200	V
			* 15.62428	41.17	MAV1	40.1	0.11	-39.39	41.99	54	-12.01	-	-	360	100	H
			* 15.630823	52.48	PK2	40.2	0	-39.42	53.26	-	-	74	-20.74	360	200	V
			* 15.634556	53.34	PK2	40.2	0	-39.35	54.19	-	-	74	-19.81	360	100	H
			* 3.78008	55.63	PK2	33.3	0	-44.65	44.28	-	-	74	-29.72	360	100	H
			* 3.782618	43.7	MAV1	33.3	0.11	-44.81	32.3	54	-21.7	-	-	360	100	H
			* 3.784014	43.65	MAV1	33.3	0.11	-44.83	32.23	54	-21.77	-	-	360	201	V
			* 3.784352	55.71	PK2	33.3	0	-44.82	44.19	-	-	74	-29.81	360	201	V
			* 8.289314	52.86	PK2	35.8	0	-40.5	48.16	-	-	74	-25.84	360	100	H
			* 8.303577	52.88	PK2	35.8	0	-40.8	47.88	-	-	74	-26.12	360	200	V
			* 8.306999	41.42	MAV1	35.8	0.11	-40.94	36.39	54	-17.61	-	-	360	200	V
			* 8.308652	41.3	MAV1	35.8	0.11	-40.91	36.3	54	-17.7	-	-	360	100	H
	2480	4 + 3	* 1.477486	45.71	MAV1	27.9	0.11	-36.33	37.39	54	-16.61	-	-	360	200	V
			* 1.4795	58.05	PK2	27.9	0	-36.29	49.66	-	-	74	-24.34	360	200	V
			* 1.49424	45.83	MAV1	27.9	0.11	-36.35	37.49	54	-16.51	-	-	360	100	H
			* 1.49552	57.47	PK2	27.9	0	-36.36	49.01	-	-	74	-24.99	360	100	H
			* 2.67021	46.01	MAV1	32.1	0.11	-36.76	41.46	54	-12.54	-	-	360	100	H
			* 2.688994	46.25	MAV1	32.1	0.11	-36.74	41.72	54	-12.28	-	-	360	200	V
			* 2.73779	58.14	PK2	32.2	0	-36.59	53.75	-	-	74	-20.25	360	200	V
			* 2.742485	58.25	PK2	32.2	0	-36.62	53.83	-	-	74	-20.17	360	100	H
			* 3.541285	44.13	MAV1	32.8	0.11	-44.64	32.4	54	-21.6	-	-	360	200	V
			* 3.543622	56.08	PK2	32.9	0	-44.61	44.37	-	-	74	-29.63	360	100	H
			* 3.548951	56.44	PK2	32.9	0	-44.66	44.68	-	-	74	-29.32	360	200	V
			* 3.550338	44.32	MAV1	32.9	0.11	-44.68	32.65	54	-21.35	-	-	360	100	H
LE1M	2402	4 + 3	* 4.823785	50.55	PK2	34.2	0	-40.2	44.55	-	-	74	-29.45	0	101	V
			* 4.833839	51.06	PK2	34.2	0	-40.2	45.06	-	-	74	-28.94	0	199	H
			* 4.846171	38.51	MAV1	34.1	0.72	-40.2	33.13	54	-20.87	-	-	0	101	V
			* 4.858714	38.96	MAV1	34.1	0.72	-40.4	33.38	54	-20.62	-	-	0	199	H
			7.190957	36.99	MAV1	35.8	0.72	-38.3	35.21	-	-	-	-	0	199	H
			7.196561	36.85	MAV1	35.8	0.72	-38.3	35.07	-	-	-	-	0	199	V
			7.200695	48.65	PK2	35.8	0	-38.3	46.15	-	-	-	-	0	199	V
			7.209739	48.61	PK2	35.8	0	-38.4	46.01	-	-	-	-	0	199	H
			9.626098	48.2	PK2	36.8	0	-36.5	48.5	-	-	-	-	0	101	H
			9.626715	36.57	MAV1	36.8	0.72	-36.5	37.59	-	-	-	-	0	101	H
			9.648018	36.7	MAV1	36.8	0.72	-36.4	37.82	-	-	-	-	0	199	V
			9.683244	49.12	PK2	36.8	0	-36.5	49.42	-	-	-	-	0	199	V
	2440	4 + 3	* 1.266484	31.88	MAV1	29.7	0.72	-19.9	42.4	54	-11.6	-	-	0	199	V
			* 1.288332	43.38	PK2	29.7	0	-19.9	53.18	-	-	74	-20.82	0	199	H
			* 1.300972	31.68	MAV1	29.6	0.72	-19.9	42.1	54	-11.9	-	-	0	199	H
			* 1.301771	43.83	PK2	29.6	0	-19.9	53.53	-	-	74	-20.47	0	199	V
			* 4.871492	28.81	MAV1	34	0.72	-27.2	36.33	54	-17.67	-	-	0	200	V
			* 4.890247	40.73	PK2	34	0	-27.2	47.53	-	-	74	-26.47	0	200	V
			* 4.894065	40.79	PK2	34	0	-27.2	47.59	-	-	74	-26.41	0	199	H
			* 4.895007	28.74	MAV1	34	0.72	-27.1	36.36	54	-17.64	-	-	0	199	H
			3.002755	41.61	PK2	32.9	0	-29.8	44.71	-	-	-	-	0	101	H
			3.006854	29.57	MAV1	33	0.72	-29.8	33.49	-	-	-	-	0	101	V
			3.009269	41.23	PK2	33	0	-29.8	44.43	-	-	-	-	0	101	V
			3.012164	29.58	MAV1	33.2	0.72	-29.8	33.7	-	-	-	-	0	101	H
	2480	4 + 3	* 1.680103	59.36	PK2	28.8	0	-37.05	51.11	-	-	74	-22.89	360	200	H
			* 1.687203	46.93	MAV1	28.5	0.72	-37.02	39.13	54	-14.87	-	-	360	200	H
			* 1.685576	58.94	PK2	28.8	0	-37.05	50.69	-	-	74	-23.31	360	200	V
			* 1.690436	46.97	MAV1	28.9	0.72	-37.06	39.53	54	-14.47	-	-	360	200	V
			* 7.439004	58.57	PK2	35.6	0	-42.89	51.28	-	-	74	-22.72	347	102	H
			* 7.439222	51.49	MAV1	35.6	0.72	-42.89	44.92	54	-9.08	-	-	347	102	H
			* 7.439102	59.83	PK2	35.6	0	-42.89	52.54	-	-	74	-21.46	324	103	V
			* 7.43952	53.5	MAV1	35.6	0.72	-42.89	46.93	54	-7.07	-	-	324	103	V
			2.937489	47.38	MAV1	32.7	0.72	-37.36	43.44	-	-	-	-	360	101	H
			2.945522	59.75	PK2	32.8	0	-37.33	55.22	-	-	-	-	360	101	H
			2.928922	47.19	MAV1	32.7	0.72	-37.4	43.21	-	-	-	-	360	200	V
			2.934902	59.18	PK2	32.7	0	-37.37	54.51	-	-	-	-	360	200	V

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	DCCF (dB)	Amp/Cbl/ Filt/Pad (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
LE2M	2404	4 + 3	* 4.806759	55.39	PK2	34.3	0	-44.5	45.19	-	-	74	-28.81	360	101	V
			* 4.813799	43.39	MAv1	34.3	2.46	-44.5	35.65	54	-18.35	-	-	360	101	V
			* 4.806879	43.4	MAv1	34.3	2.46	-44.5	35.66	54	-18.34	-	-	360	101	H
			* 4.812608	55.98	PK2	34.3	0	-44.5	45.78	-	-	74	-28.22	360	101	H
			7.190385	52.57	PK2	35.5	0	-41.7	46.37	-	-	-	-	360	101	H
			7.194647	40.7	MAv1	35.5	2.46	-41.7	36.96	-	-	-	-	360	101	H
			7.22608	53	PK2	35.5	0	-41.7	46.8	-	-	-	-	360	101	V
			7.204423	40.67	MAv1	35.5	2.46	-41.7	36.93	-	-	-	-	360	101	V
			9.621546	52.89	PK2	37	0	-39.9	49.99	-	-	-	-	360	101	H
			9.630142	41.3	MAv1	37	2.46	-39.9	40.86	-	-	-	-	360	101	H
			9.630588	52.86	PK2	37	0	-39.9	49.96	-	-	-	-	360	101	V
			9.633055	41.1	MAv1	37	2.46	-39.9	40.66	-	-	-	-	360	101	V
	2440	4 + 3	* 4.860623	54.95	PK2	34.3	0	-43.9	45.35	-	-	74	-28.65	360	101	H
			* 4.86097	42.58	MAv1	34.3	2.46	-43.9	35.44	54	-18.56	-	-	360	101	H
			* 7.301066	51.78	PK2	35.5	0	-41.6	45.68	-	-	74	-28.32	360	199	H
			* 7.301152	39.93	MAv1	35.5	2.46	-41.6	36.29	54	-17.71	-	-	360	200	V
			* 7.309004	39.88	MAv1	35.5	2.46	-41.5	36.34	54	-17.66	-	-	360	199	H
			* 7.33357	52.08	PK2	35.5	0	-41.6	45.98	-	-	74	-28.02	360	200	V
			9.743378	41.02	MAv1	37.2	2.46	-40.5	40.18	-	-	-	-	360	199	H
			9.745832	41.03	MAv1	37.2	2.46	-40.5	40.19	-	-	-	-	360	101	V
			9.751187	52.91	PK2	37.2	0	-40.4	49.71	-	-	-	-	360	199	H
			9.752614	41.31	MAv1	37.2	2.46	-40.4	40.57	-	-	-	-	360	101	V
			9.753459	53.19	PK2	37.2	0	-40.4	49.99	-	-	-	-	360	101	V
			9.780645	53.25	PK2	37.3	0	-39.9	50.65	-	-	-	-	360	101	V
	2478	4 + 3	* 4.947476	43.85	MAv1	33.8	2.46	-45.39	34.72	54	-19.28	-	-	360	100	H
			* 4.948756	55.78	PK2	33.8	0	-45.4	44.18	-	-	74	-29.82	360	100	H
			* 4.964721	56.5	PK2	33.8	0	-45.51	44.79	-	-	74	-29.21	360	201	V
			* 4.964921	43.66	MAv1	33.8	2.46	-45.5	34.42	54	-19.58	-	-	360	201	V
			* 7.40639	52.45	PK2	35.6	0	-41.83	46.22	-	-	74	-27.78	360	200	V
			* 7.431301	52.64	PK2	35.6	0	-41.67	46.57	-	-	74	-27.43	360	100	H
			* 7.435599	40.77	MAv1	35.6	2.46	-41.74	37.09	54	-16.91	-	-	360	200	V
			* 7.440199	40.92	MAv1	35.6	2.46	-41.63	37.35	54	-16.65	-	-	360	100	H
			9.909387	41.37	MAv1	37	2.46	-40.66	40.17	-	-	-	-	360	200	V
			9.914681	53.26	PK2	37.1	0	-40.68	49.68	-	-	-	-	360	200	V
			9.919945	53.51	PK2	37.1	0	-40.81	49.8	-	-	-	-	360	100	H
			9.926763	41.41	MAv1	37.1	2.46	-40.77	40.2	-	-	-	-	360	100	H
HDT8	2404	4 + 3	* 4.790424	44.14	MAv1	33.9	0.5	-45.54	33	54	-21	-	-	360	100	H
			* 4.793648	44.04	MAv1	33.9	0.5	-45.53	32.91	54	-21.09	-	-	360	201	V
			* 4.804093	55.47	PK2	33.9	0	-45.32	44.05	-	-	74	-29.95	360	201	V
			* 4.804232	56.02	PK2	33.9	0	-45.32	44.6	-	-	74	-29.4	360	100	H
			7.225814	53.39	PK2	35.6	0	-42.3	46.69	-	-	-	-	360	100	H
			7.228294	41.37	MAv1	35.6	0.5	-42.31	35.16	-	-	-	-	360	100	H
			7.235097	41.38	MAv1	35.6	0.5	-42.31	35.17	-	-	-	-	360	200	V
			7.239648	53.07	PK2	35.6	0	-42.25	46.42	-	-	-	-	360	200	V
			9.623155	53.4	PK2	36.6	0	-40.54	49.46	-	-	-	-	360	200	V
			9.624373	41.34	MAv1	36.6	0.5	-40.61	37.83	-	-	-	-	360	100	H
			9.627235	41.59	MAv1	36.6	0.5	-40.69	38	-	-	-	-	360	200	V
			9.637546	53.15	PK2	36.6	0	-40.53	49.22	-	-	74	-24.78	360	100	H
	2440	4 + 3	* 4.865059	55.62	PK2	33.8	0	-45.51	43.91	-	-	74	-30.09	360	100	H
			* 4.888899	56.06	PK2	33.8	0	-45.54	44.32	-	-	74	-29.68	360	201	V
			* 4.896001	44.2	MAv1	33.8	0.5	-45.6	32.9	54	-21.1	-	-	360	201	V
			* 4.898339	44.19	MAv1	33.8	0.5	-45.59	32.9	54	-21.1	-	-	360	100	H
			* 7.300813	41.03	MAv1	35.6	0.5	-41.88	35.25	54	-18.75	-	-	360	100	H
			* 7.319284	53.4	PK2	35.6	0	-41.86	47.14	-	-	74	-26.86	360	100	H
			* 7.340591	52.42	PK2	35.6	0	-41.72	46.3	-	-	74	-27.7	360	200	V
			* 7.340867	40.73	MAv1	35.6	0.5	-41.72	35.11	54	-18.89	-	-	360	200	V
			9.773594	54.07	PK2	36.8	0	-41.11	49.76	-	-	-	-	360	100	H
			9.776308	53.84	PK2	36.8	0	-41.32	49.32	-	-	-	-	360	200	V
			9.779326	41.76	MAv1	36.8	0.5	-41.37	37.69	-	-	-	-	360	200	V
			9.783888	41.94	MAv1	36.8	0.5	-41.37	37.87	-	-	-	-	360	100	H
	2476	4 + 3	* 4.931535	43.95	MAv1	33.8	0.5	-45.49	32.76	54	-21.24	-	-	360	100	H
			* 4.936695	55.56	PK2	33.8	0	-45.47	43.89	-	-	74	-30.11	360	100	H
			* 4.941269	56.06	PK2	33.8	0	-45.43	44.43	-	-	74	-29.57	360	201	V
			* 4.942642	44.19	MAv1	33.8	0.5	-45.41	33.08	54	-20.92	-	-	360	201	V
			* 7.434386	53.11	PK2	35.6	0	-41.72	46.99	-	-	74	-27.01	360	100	H
			* 7.434817	41.13	MAv1	35.6	0.5	-41.73	35.5	54	-18.5	-	-	360	100	H
			* 7.434988	40.99	MAv1	35.6	0.5	-41.73	35.36	54	-18.64	-	-	360	200	V
			* 7.435215	52.83	PK2	35.6	0	-41.73	46.7	-	-	74	-27.3	360	200	V
			9.885371	53.25	PK2	37	0	-40.55	49.7	-	-	-	-	360	200	V
			9.891873	41.93	MAv1	37	0.5	-40.62	38.81	-	-	-	-	360	200	V
			9.909606	41.88	MAv1	37	0.5	-40.66	38.72	-	-	-	-	360	100	H
			9.910069	53.67	PK2	37	0	-40.66	50.01	-	-	-	-	360	100	H

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

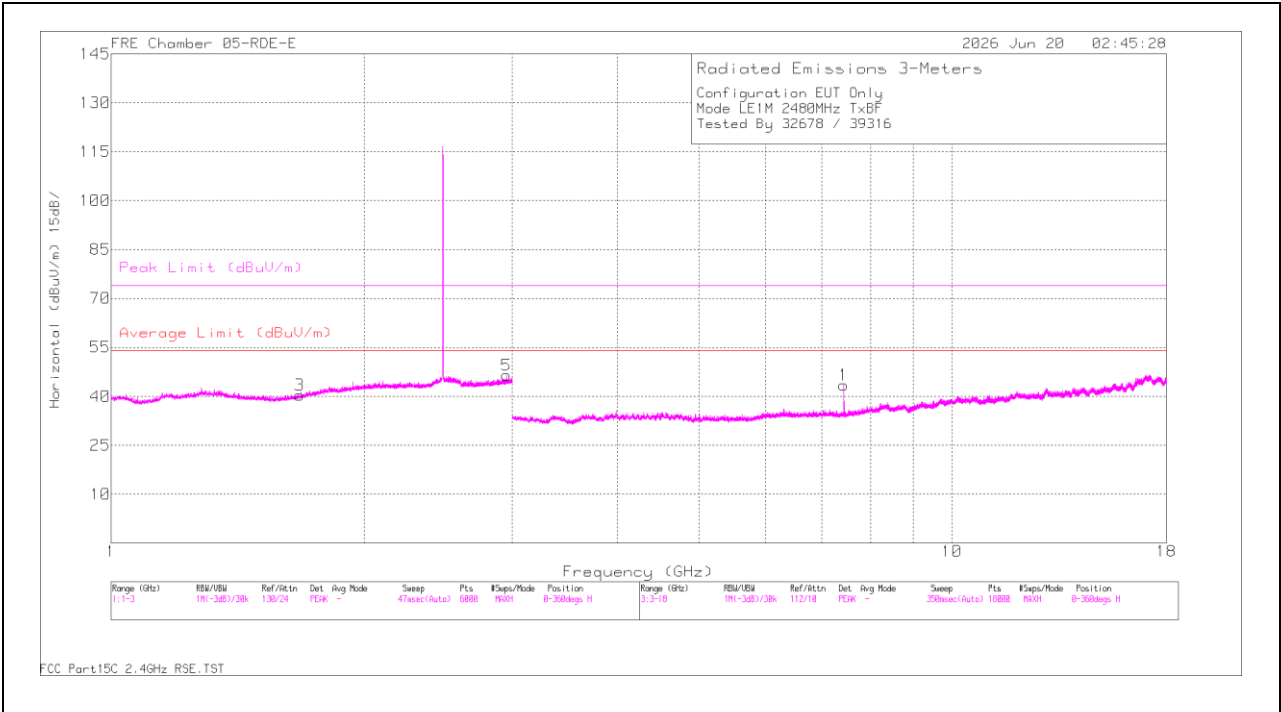
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

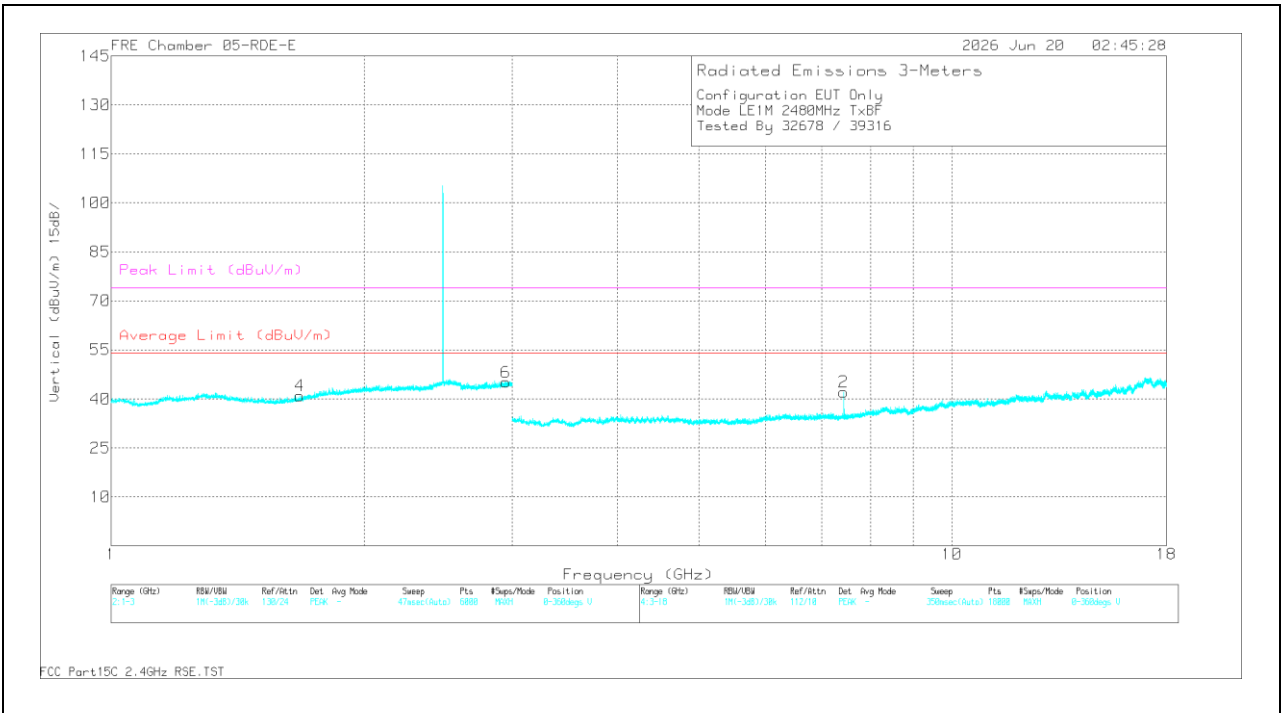
9.1.12. SPURIOUS EMISSIONS – WORST-CASE

BLE1M / 2480 MHz / HIGH POWER / MIMO TXBF

HORIZONTAL RESULT



VERTICAL RESULT



MEASURED DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206805 ACF (dB/m)	DCCF (dB)	Gain/ Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degr)	Height (cm)	Polarity
1	* 1.680103	59.36	PK2	28.8	0	-37.05	51.11	-	-	74	-22.89	360	200	H
	* 1.687203	46.93	MAv1	28.5	.72	-37.02	39.13	54	-14.87	-	-	360	200	H
2	* 1.685576	58.94	PK2	28.8	0	-37.05	50.69	-	-	74	-23.31	360	200	V
	* 1.690436	46.97	MAv1	28.9	.72	-37.06	39.53	54	-14.47	-	-	360	200	V
3	* 7.439004	58.57	PK2	35.6	0	-42.89	51.28	-	-	74	-22.72	347	102	H
	* 7.439222	51.49	MAv1	35.6	.72	-42.89	44.92	54	-9.08	-	-	347	102	H
4	* 7.439102	59.83	PK2	35.6	0	-42.89	52.54	-	-	74	-21.46	324	103	V
	* 7.43952	53.5	MAv1	35.6	.72	-42.89	46.93	54	-7.07	-	-	324	103	V
5	2.937489	47.38	MAv1	32.7	.72	-37.36	43.44	-	-	-	-	360	101	H
	2.945522	59.75	PK2	32.8	0	-37.33	55.22	-	-	-	-	360	101	H
6	2.928902	47.19	MAv1	32.7	.72	-37.4	43.21	-	-	-	-	360	200	V
	2.934902	59.18	PK2	32.7	0	-37.37	54.51	-	-	-	-	360	200	V

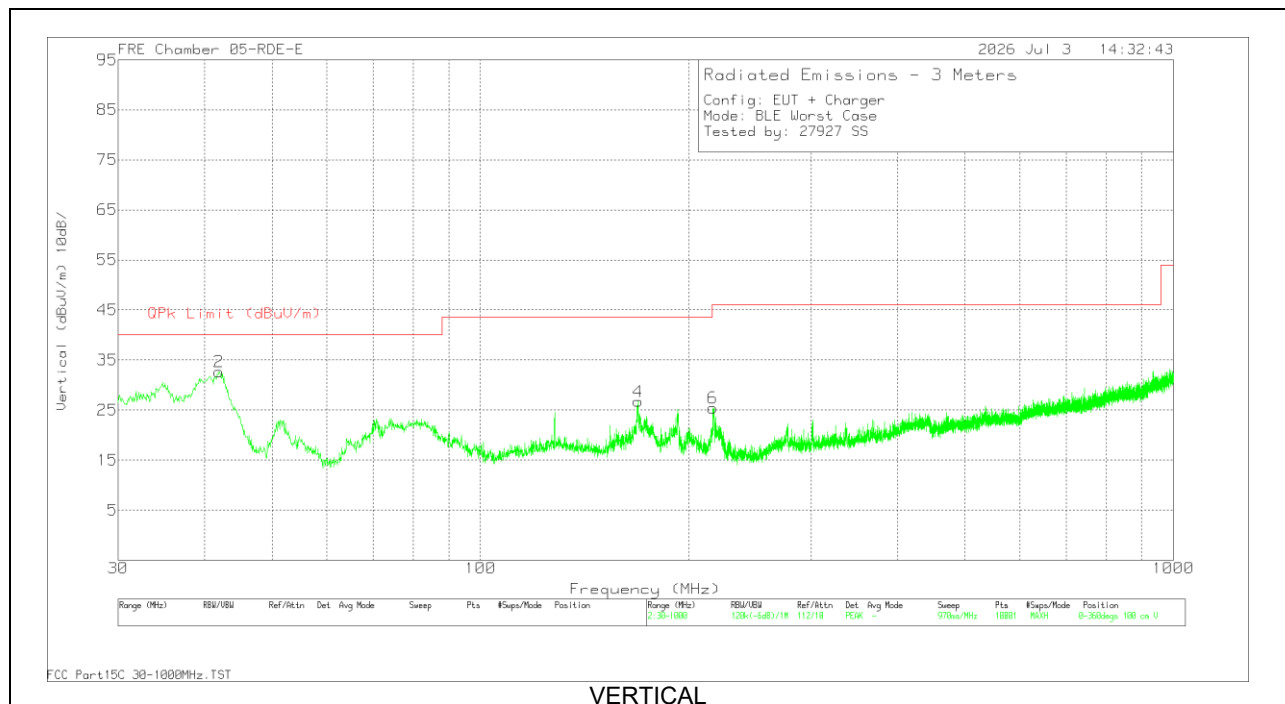
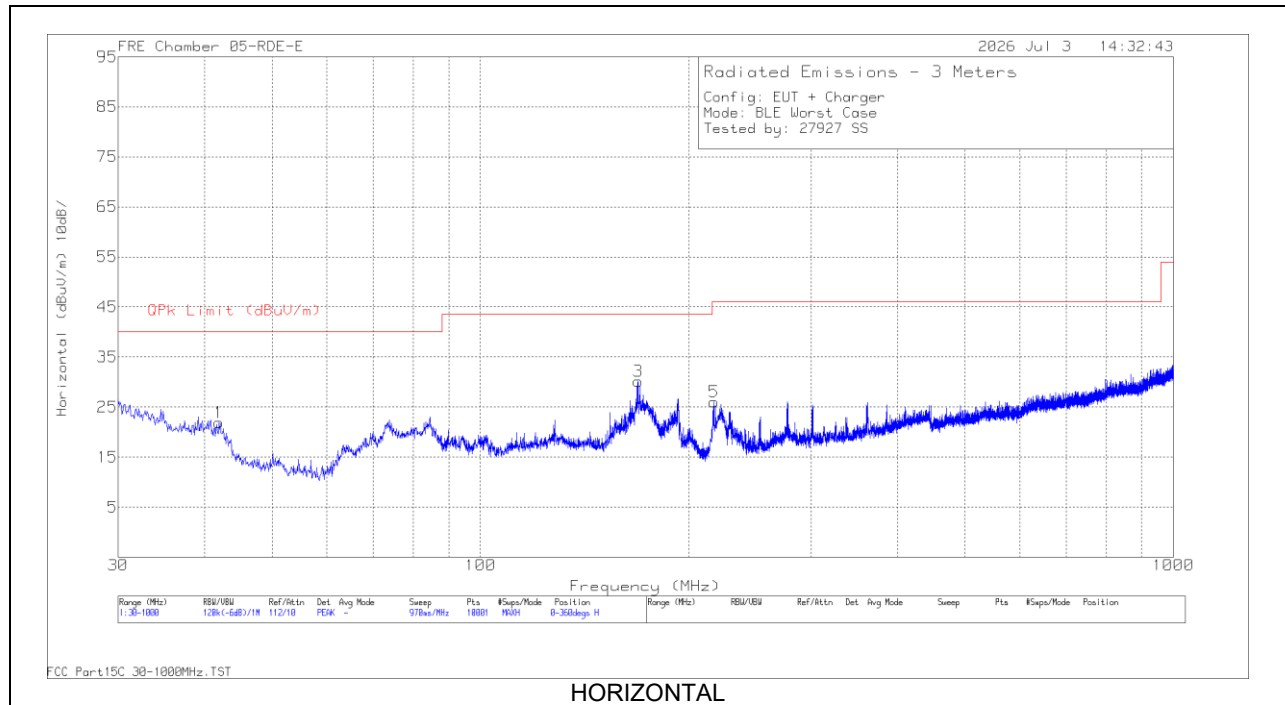
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

9.2. 30 MHz - 1 GHz – WORST-CASE

SPURIOUS EMISSIONS



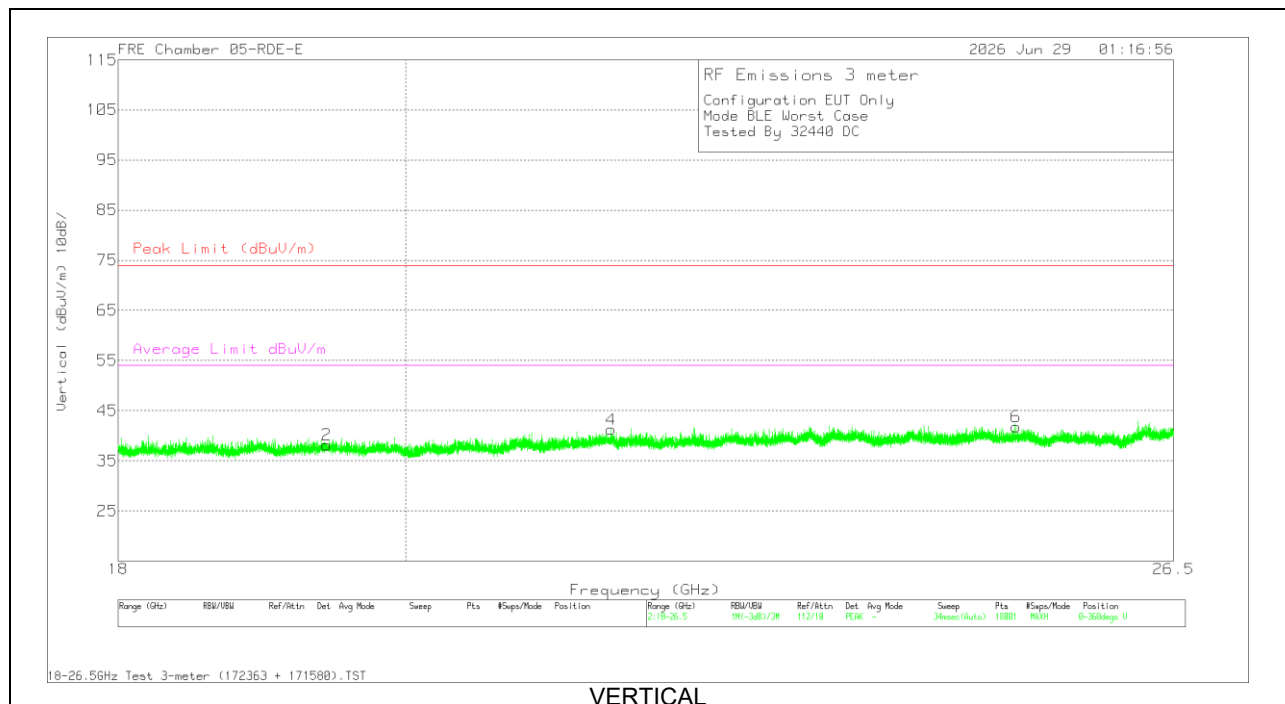
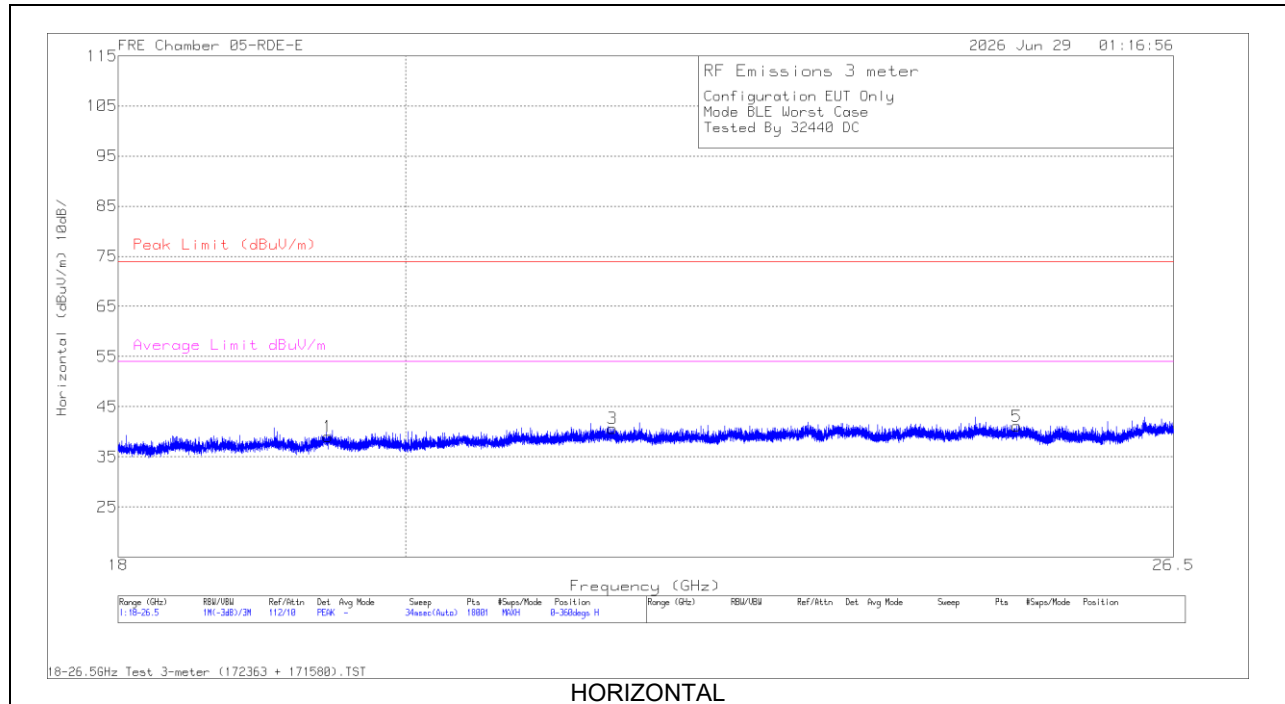
MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	174373 ACF (dB/m)	CBL (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	168.809	40.21	Qp	17.6	-30.3	27.51	43.52	-16.01	299	250	H
4	168.998	35	Qp	17.6	-30.3	22.3	43.52	-21.22	345	200	V
2	41.9473	41.34	Qp	18	-31.2	28.14	40	-11.86	15	125	V
1	41.9564	29.38	Qp	18	-31.2	16.18	40	-23.82	242	148	H
6	216.532	34.36	Qp	16.4	-30.2	20.56	46.02	-25.46	310	133	V
5	216.994	35.68	Qp	16.4	-30.2	21.88	46.02	-24.14	91	197	H

Qp - Quasi-Peak detector

9.3. 18 GHz - 26 GHz – WORST-CASE

SPURIOUS EMISSIONS



MEASURED DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	172363 ACF (dB/m)	CBL/AMP (dB)	CBL (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 19.436972	56.34	Pk	32.4	-62.9	13.2	39.04	74	-34.96	54	-14.96	0-360	101	H
2	* 19.431777	55.47	Pk	32.4	-62.9	13.2	38.17	74	-35.83	54	-15.83	0-360	199	V
3	21.575665	56.75	Pk	32.9	-62.7	13.7	40.65	-	-	-	-	0-360	101	H
4	21.564804	57.22	Pk	32.9	-62.6	13.7	41.22	-	-	-	-	0-360	199	V
5	25.018163	54.99	Pk	33.8	-62.8	15.1	41.09	-	-	-	-	0-360	200	H
6	25.014858	55.63	Pk	33.8	-62.8	15.1	41.73	-	-	-	-	0-360	199	V

* - indicates frequency in 47 CFR Part 15 / IC RSS-Restricted Band

Pk - Peak detector

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56 *	56 to 46 *
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

ANSI C63.10, Subclause 6.2

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

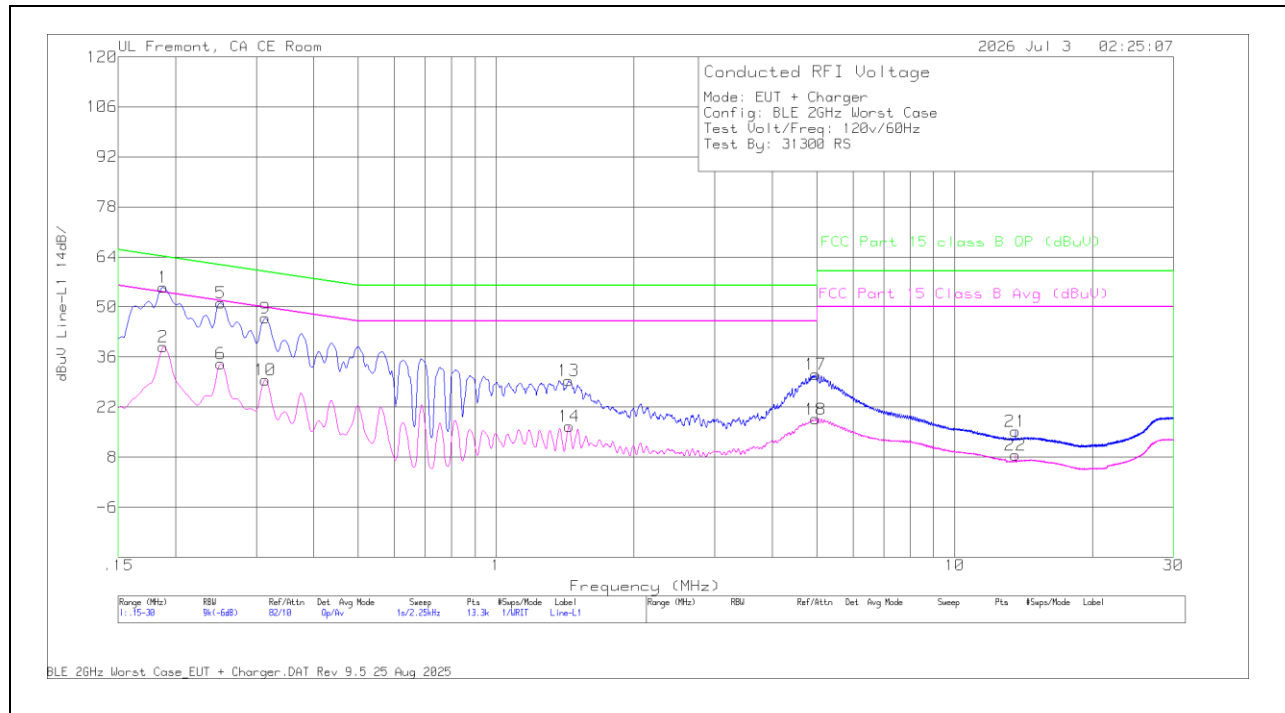
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

10.1. AC POWER LINE WITH AC/DC ADAPTER

LINE 1 RESULTS

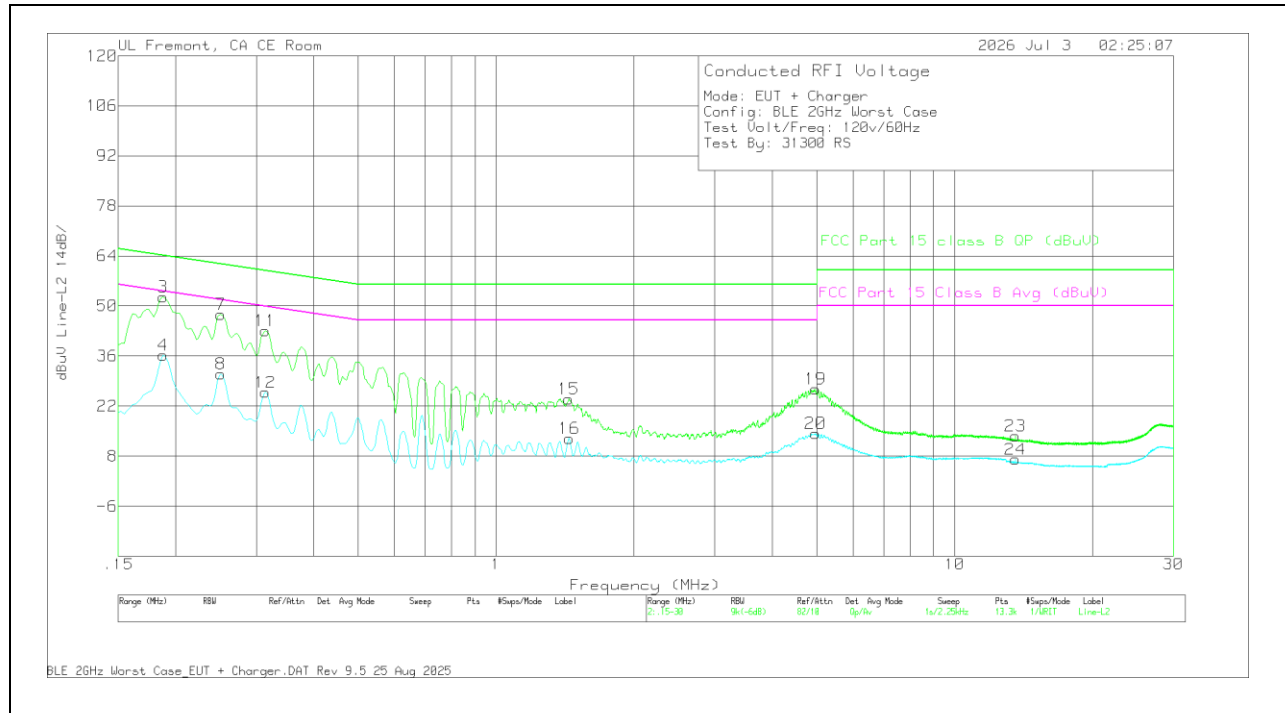


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L1 (dB)	Line 1 202326, C3 202322, C1 202326 (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Avg Margin (dB)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)
2	.1883	28.73	Av	.1	10.1	38.93	54.11	-15.18	-	-
6	.2513	24.05	Av	0	10.1	34.15	51.72	-17.57	-	-
10	.3143	19.58	Av	0	10	29.58	49.86	-20.28	-	-
14	1.4438	6.51	Av	0	10.1	16.61	46	-29.39	-	-
18	4.9785	8.63	Av	0	10	18.63	46	-27.37	-	-
22	13.56	-1.52	Av	.1	10	8.58	50	-41.42	-	-
1	.1883	45.35	Qp	.1	10.1	55.55	-	-	64.11	-8.56
5	.2513	41.11	Qp	0	10.1	51.21	-	-	61.72	-10.51
9	.3143	36.86	Qp	0	10	46.86	-	-	59.86	-13
13	1.4415	19.28	Qp	0	10.1	29.38	-	-	56	-26.62
17	4.9718	21.13	Qp	0	10	31.13	-	-	56	-24.87
21	13.56	5.18	Qp	.1	10	15.28	-	-	60	-44.72

Qp - Quasi-Peak detector

Av - Average detection

LINE 2 RESULTS**MEASURED DATA**

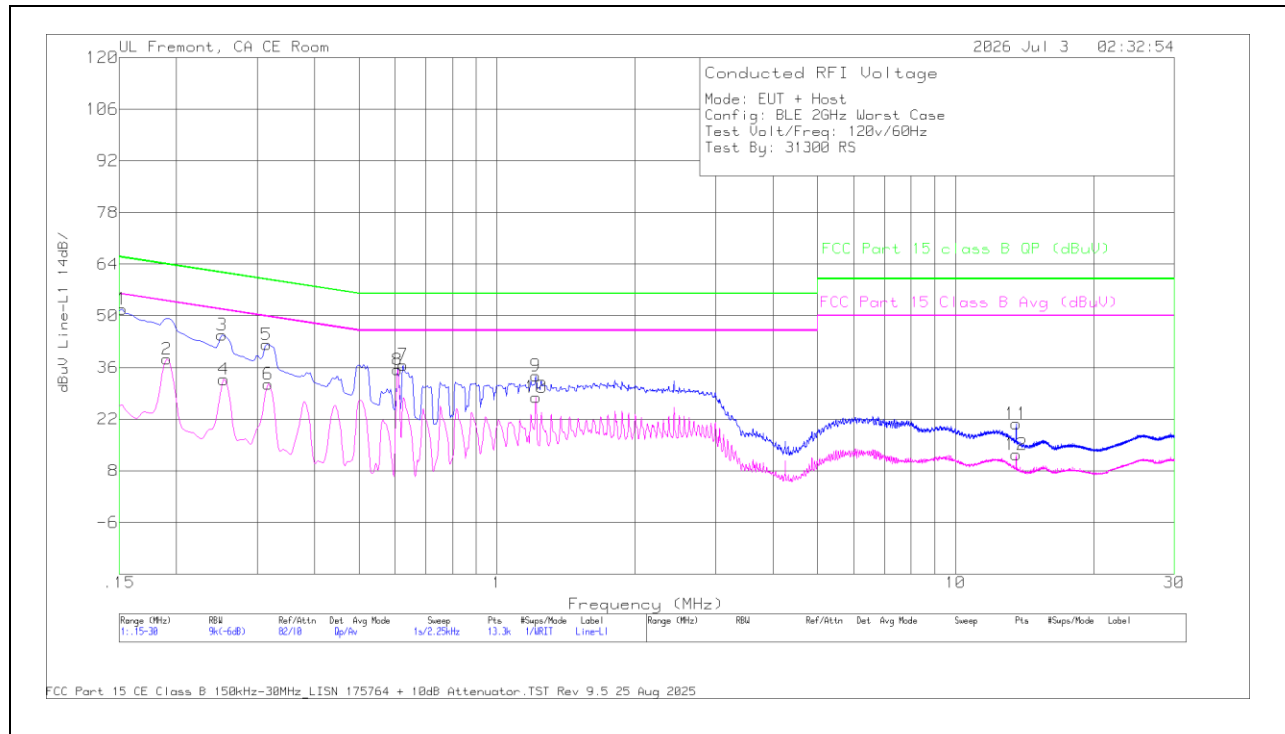
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L1 (dB)	Line 2 202327, C3 202322, C2 202327 (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Avg Margin (dB)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)
4	.1883	26	Av	.1	10.1	36.2	54.11	-17.91	-	-
8	.2513	20.83	Av	0	10.1	30.93	51.72	-20.79	-	-
12	.3143	15.73	Av	0	10.1	25.83	49.86	-24.03	-	-
16	1.4438	2.87	Av	0	10.1	12.97	46	-33.03	-	-
20	4.9763	3.97	Av	.1	10.2	14.27	46	-31.73	-	-
24	13.56	-3.32	Av	.1	10.3	7.08	50	-42.92	-	-
3	.1883	42.4	Qp	.1	10.1	52.6	-	-	64.11	-11.51
7	.2513	37.54	Qp	0	10.1	47.64	-	-	61.72	-14.08
11	.3143	32.92	Qp	0	10.1	43.02	-	-	59.86	-16.84
15	1.4415	13.86	Qp	0	10.1	23.96	-	-	56	-32.04
19	4.9785	16.43	Qp	.1	10.2	26.73	-	-	56	-29.27
23	13.56	3.22	Qp	.1	10.3	13.62	-	-	60	-46.38

Qp - Quasi-Peak detector

Av - Average detection

10.2. AC POWER LINE WITH LAPTOP

LINE 1 RESULTS

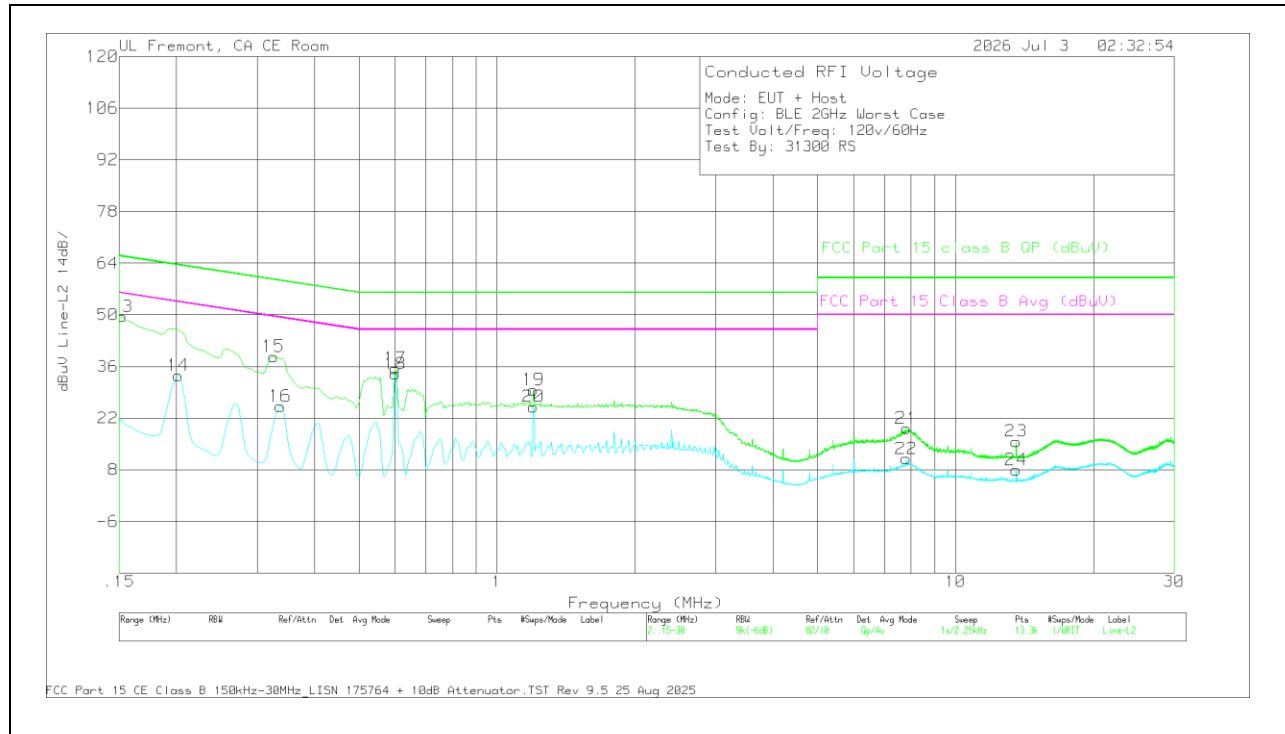


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L1 (dB)	Line 1 202326, C3 202322, C1 202326 (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Avg Margin (dB)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)
2	.1905	28.06	Av	.1	10.1	38.26	54.01	-15.75	-	-
4	.2535	22.67	Av	0	10.1	32.77	51.64	-18.87	-	-
6	.3165	21.39	Av	0	10.1	31.49	49.8	-18.31	-	-
8	.6068	25.27	Av	0	10.1	35.37	46	-10.63	-	-
10	1.2165	17.83	Av	0	10.1	27.93	46	-18.07	-	-
12	13.56	2.3	Av	.1	10	12.4	50	-37.6	-	-
1	.1523	41.6	Qp	.1	10.1	51.8	-	-	65.88	-14.08
3	.2513	34.69	Qp	0	10.1	44.79	-	-	61.72	-16.93
5	.3143	32.18	Qp	0	10	42.18	-	-	59.86	-17.68
7	.6248	26.5	Qp	0	10.1	36.6	-	-	56	-19.4
9	1.2143	23.65	Qp	0	10.1	33.75	-	-	56	-22.25
11	13.56	10.64	Qp	.1	10	20.74	-	-	60	-39.26

Qp - Quasi-Peak detector

Av - Average detection

LINE 2 RESULTS**MEASURED DATA**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L1 (dB)	Line 2 202327, C3 202322, C2 202327 (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Avg Margin (dB)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)
14	.2018	23.34	Av	.1	10.1	33.54	53.54	-20	-	-
16	.3368	15.11	Av	0	10.1	25.21	49.28	-24.07	-	-
18	.6	23.9	Av	0	10.1	34	46	-12	-	-
20	1.2008	14.97	Av	0	10.1	25.07	46	-20.93	-	-
22	7.809	.7	Av	.1	10.2	11	50	-39	-	-
24	13.56	-2.41	Av	.1	10.3	7.99	50	-42.01	-	-
13	.1523	39.31	Qp	.1	10.1	49.51	-	-	65.88	-16.37
15	.3255	28.59	Qp	0	10.1	38.69	-	-	59.57	-20.88
17	.6	25.32	Qp	0	10.1	35.42	-	-	56	-20.58
19	1.2008	19.56	Qp	0	10.1	29.66	-	-	56	-26.34
21	7.8113	8.91	Qp	.1	10.2	19.21	-	-	60	-40.79
23	13.56	5.3	Qp	.1	10.3	15.7	-	-	60	-44.3

Qp - Quasi-Peak detector

Av - Average detection

11. SETUP PHOTOS

Please refer to 15982168-EP1V1 for setup photos.

12. APPENDIX A - SPOT CHECK EVALUATION

12.1. MODEL DIFFERENCES

The manufacturer hereby declares the following for models A3716, A3717 and A3718. These models are very similar, with only the following differences.

Model	FCC ID	IC ID	Feature Difference	Sim Support	Reference Model
A3716	BCG-E9195A	579C-E9195A	-Without FR2 -Added LTE B11, B21	eSIM	-
A3717	BCG-E9196A	579C-E9196A	-Without FR2 -No LTE/5GNR B14, B29, B71 -No LTE B11, B21	eSIM	A3716
A3718	BCG-E9197A	579C-E9197A	-Without FR2 -No LTE/5GNR B14, B29, B71, B53 -No LTE B11, B21, MSS	eSIM + pSIM	

Note:

- All Models use the same System, Cellular and Connectivity radio electrical schematics.
- Removal of LTE/ 5GNR bands on models either done by software or de-population of related components. Please refer to data reuse test plan for details.
- All Models use the same Applications Processor and PMU.
- All Models use the same UICC hardware/software interface.
- All Models run the same Baseband firmware and iOS software.

The spot check plan allows for data reuse from the reference model where the variant model data meets the limits and has not changed by more than the criteria from KDB 484596 D01 v03 equation (4).

$$d_{dBmax}(M_{dB}) = \begin{cases} (3 + M_{dB}/20) \text{ dB} & , \text{ for } 0 \leq M_{dB} \leq 60 \text{ dB} \\ 6 \text{ dB} & , \text{ for } M_{dB} > 60 \text{ dB} \end{cases} \quad (4)$$

Where: d_{dB} deviation from Reference data, V_{dB} variant spot check level, and R_{dB} measurement level

12.2. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3717

Equipment Class / Technology	Frequency (GHz)	Mode	Data Rate	Test Item	Channel	Measured Frequency (GHz)	Original Model: A3716	Sub Model: A3717	Delta (dB)	Margin	Remarks
							FCC ID : BCG-E9195A IC : 579C-E9195A	FCC ID : BCG-E9196A IC : 579C-E9196A			
DTS/BLE	2.4	LE2M TxBF	2 Mbps	Output Power (dBm)	Low	2.404	23.71	23.65	-0.06	-6.29	Note 1
		HDT8 (TxBF) High Power	8 Mbps	Radiated Band-Edge (dBuV/m)	High	2.483688 (Avg) Horizontal	51.10	49.63	-1.47	-2.90	Note 1
		BLE1M (TxBF) High Power	1 Mbps	RSE (dBuV/m)	High	7.43952 (Avg) Vertical	46.93	49.56	2.63	-7.07	Note 1

Note 1: Deviation from reference to variant within the value allowed by equation (4) in KDB 484596. Additional tests not required.

Note 2: Deviation from reference to variant exceeds the value allowed by equation (4) in KDB 484596. Additional tests were performed on second channel.

12.3. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3718

Equipment Class / Technology	Frequency (GHz)	Mode	Data Rate	Test Item	Channel	Measured Frequency (GHz)	Original Model: A3716	Sub Model: A3718	Delta (dB)	Margin	Remarks
							FCC ID : BCG-E9195A IC : 579C-E9195A	FCC ID : BCG-E9197A IC : 579C-E9197A			
DTS/BLE	2.4	LE2M TxBF	2 Mbps	Output Power (dBm)	Low	2.404	23.71	23.67	-0.04	-6.29	Note 1
		HDT8 (TxBF) High Power	8 Mbps	Radiated Band-Edge (dBuV/m)	High	2.483688 (Avg) Horizontal	51.10	51.26	0.16	-2.90	Note 1
		BLE1M (TxBF) High Power	1 Mbps	RSE (dBuV/m)	High	7.43952 (Avg) Vertical	46.93	45.52	-1.41	-7.07	Note 1

Note 1: Deviation from reference to variant within the value allowed by equation (4) in KDB 484596. Additional tests not required.

Note 2: Deviation from reference to variant exceeds the value allowed by equation (4) in KDB 484596. Additional tests were performed on second channel.