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9.6.6. HDR4 – LOW POWER – MIMO TXBF

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9.6.7. HDR8 – LOW POWER – SISO

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9.6.8. HDR8 – LOW POWER – MIMO TXBF

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10. 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

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 these sections are for reference settings only for different bandwidth and different antenna.

10.1. TRANSMITTER ABOVE 1 GHz**10.1.1. LOW BAND EDGE – HIGH POWER – SISO**

Mode (SISO)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	DCCF (dB)	Amp/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
HDR4	2404	4	* 2.39	42.04	Pk	31.8	0	-19.4	54.44	-	-	74	-19.56	267	127	H
			* 2.366681	44.89	Pk	31.7	0	-19.3	57.29	-	-	74	-16.71	267	127	H
			* 2.39	30.6	RMS	31.8	1.28	-19.4	44.28	54	-9.72	-	-	267	127	H
			* 2.38707	33	RMS	31.8	1.28	-19.4	46.68	54	-7.32	-	-	267	127	H
			* 2.39	41.98	Pk	31.8	0	-19.4	54.38	-	-	74	-19.62	283	199	V
			* 2.347618	44.3	Pk	31.7	0	-19.3	56.7	-	-	74	-17.3	283	199	V
		3	* 2.39	31.4	RMS	31.8	1.28	-19.4	45.08	54	-8.92	-	-	283	199	V
			* 2.355643	32.55	RMS	31.7	1.28	-19.3	46.23	54	-7.77	-	-	283	199	V
			* 2.39	59.44	Pk	32.1	0	-37.5	54.04	-	-	74	-19.96	213	172	H
			* 2.370684	61.62	Pk	32.1	0	-37.6	56.12	-	-	74	-17.88	213	172	H
			* 2.39	49.22	RMS	32.1	1.28	-37.5	45.1	54	-8.9	-	-	213	172	H
			* 2.370538	49.89	RMS	32.1	1.28	-37.6	45.67	54	-8.33	-	-	213	172	H
			* 2.39	59.72	Pk	32.1	0	-37.5	54.32	-	-	74	-19.68	274	122	V
			* 2.366914	61.59	Pk	32	0	-37.69	55.9	-	-	74	-18.1	274	122	V
			* 2.39	48.11	RMS	32.1	1.28	-37.5	43.99	54	-10.01	-	-	274	122	V
			* 2.389971	49.8	RMS	32.1	1.28	-37.5	45.68	54	-8.32	-	-	274	122	V
HDR8	2404	4	* 2.39	59.41	Pk	32.1	0	-37.5	54.01	-	-	74	-19.99	114	109	H
			* 2.319607	62.38	Pk	31.8	0	-37.74	56.44	-	-	74	-17.56	114	109	H
			* 2.39	48.81	RMS	32.1	1.28	-37.5	44.69	54	-9.31	-	-	114	109	H
			* 2.387598	50.01	RMS	32.1	1.28	-37.6	45.79	54	-8.21	-	-	114	109	H
			* 2.39	60.76	Pk	32.1	0	-37.5	55.36	-	-	74	-18.64	84	228	V
			* 2.359563	62.63	Pk	32	0	-37.7	56.93	-	-	74	-17.07	84	228	V
		3	* 2.39	49.12	RMS	32.1	1.28	-37.5	45	54	-9	-	-	84	228	V
			* 2.377423	49.91	RMS	32.1	1.28	-37.66	45.63	54	-8.37	-	-	84	228	V
			* 2.39	61.75	Pk	32.1	0	-37.5	56.35	-	-	74	-17.65	210	315	H
			* 2.389665	63.17	Pk	32.1	0	-37.53	57.74	-	-	74	-16.26	210	315	H
			* 2.39	50.11	RMS	32.1	1.28	-37.5	45.99	54	-8.01	-	-	210	315	H
			* 2.389214	50.74	RMS	32.1	1.28	-37.58	46.54	54	-7.46	-	-	210	315	H
			* 2.39	62.8	Pk	32.1	0	-37.5	57.4	-	-	74	-16.6	244	110	V
			* 2.389927	63.51	Pk	32.1	0	-37.51	58.1	-	-	74	-15.9	244	110	V
			* 2.39	49.59	RMS	32.1	1.28	-37.5	45.47	54	-8.53	-	-	244	110	V
			* 2.389971	50.91	RMS	32.1	1.28	-37.5	46.79	54	-7.21	-	-	244	110	V

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

Pk - Peak detector

RMS - RMS detection

10.1.2. 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/ 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
HDR4	2404	4 + 3	* 2.39	59.61	Pk	32.1	0	-37.5	54.21	-	-	74	-19.79	208	220	H
			* 2.366463	62.61	Pk	32	0	-37.65	56.96	-	-	74	-17.04	208	220	H
			* 2.39	48.47	RMS	32.1	1.28	-37.5	44.35	54	-9.65	-	-	208	220	H
			* 2.389243	49.74	RMS	32.1	1.28	-37.58	45.54	54	-8.46	-	-	208	220	H
			* 2.39	59.22	Pk	32.1	0	-37.5	53.82	-	-	74	-20.18	125	344	V
			* 2.383275	61.71	Pk	32.1	0	-37.6	56.21	-	-	74	-17.79	125	344	V
			* 2.39	49.18	RMS	32.1	1.28	-37.5	45.06	54	-8.94	-	-	125	344	V
HDR8	2404	4 + 3	* 2.371383	50.05	RMS	32.1	1.28	-37.6	45.83	54	-8.17	-	-	125	344	V
			* 2.39	63.02	Pk	32.1	0	-37.5	57.62	-	-	74	-16.38	213	101	H
			* 2.389854	64.86	Pk	32.1	0	-37.51	59.45	-	-	74	-14.55	213	101	H
			* 2.39	51.09	RMS	32.1	1.28	-37.5	46.97	54	-7.03	-	-	213	101	H
			* 2.389811	51.78	RMS	32.1	1.28	-37.52	47.64	54	-6.36	-	-	213	101	H
			* 2.39	60.95	Pk	32.1	0	-37.5	55.55	-	-	74	-18.45	126	393	V
			* 2.389942	62.74	Pk	32.1	0	-37.51	57.33	-	-	74	-16.67	126	393	V
			* 2.39	49.76	RMS	32.1	1.28	-37.5	45.64	54	-8.36	-	-	126	393	V
			* 2.389767	50.36	RMS	32.1	1.28	-37.52	46.22	54	-7.78	-	-	126	393	V

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

Pk - Peak detector

RMS - RMS detection

10.1.3. 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
HDR4	2404	4	* 2.39	58.3	Pk	32.1	0	-38.22	52.18	-	-	74	-21.82	230	102	H
			* 2.384876	61.31	Pk	32	0	-38.3	55.01	-	-	74	-18.99	230	102	H
			* 2.39	46.92	RMS	32.1	1.28	-38.22	42.08	54	-11.92	-	-	230	102	H
			* 2.351179	48.1	RMS	31.9	1.28	-38.09	43.19	54	-10.81	-	-	230	102	H
			* 2.39	58.28	Pk	32.1	0	-38.22	52.16	-	-	74	-21.84	177	201	V
			* 2.34952	60.14	Pk	31.9	0	-38.05	53.99	-	-	74	-20.01	177	201	V
		3	* 2.39	46.88	RMS	32.1	1.28	-38.22	42.04	54	-11.96	-	-	177	201	V
			* 2.389228	47.95	RMS	32	1.28	-38.25	42.98	54	-11.02	-	-	177	201	V
			* 2.39	61.01	Pk	32.1	0	-39.53	53.58	-	-	74	-20.42	25	146	H
			* 2.362838	62.94	Pk	32	0	-39.58	55.36	-	-	74	-18.64	25	146	H
			* 2.39	49.96	RMS	32.1	1.28	-39.53	43.81	54	-10.19	-	-	25	146	H
			* 2.387714	51.03	RMS	32.1	1.28	-39.54	44.87	54	-9.13	-	-	25	146	H
			* 2.39	60.53	Pk	32.1	0	-39.53	53.1	-	-	74	-20.9	72	103	V
			* 2.328079	63.14	Pk	31.8	0	-39.63	55.31	-	-	74	-18.69	72	103	V
			* 2.39	50.33	RMS	32.1	1.28	-39.53	44.18	54	-9.82	-	-	72	103	V
			* 2.366303	51	RMS	32	1.28	-39.57	44.71	54	-9.29	-	-	72	103	V
HDR8	2404	4	* 2.39	57.68	Pk	32.1	0	-38.22	51.56	-	-	74	-22.44	144	324	H
			* 2.341645	60.2	Pk	31.8	0	-38.07	53.93	-	-	74	-20.07	144	324	H
			* 2.39	47.09	RMS	32.1	1.28	-38.22	42.25	54	-11.75	-	-	144	324	H
			* 2.348646	47.83	RMS	31.9	1.28	-38.05	42.96	54	-11.04	-	-	144	324	H
			* 2.39	57.3	Pk	32.1	0	-38.22	51.18	-	-	74	-22.82	181	176	V
			* 2.37885	60.26	Pk	31.9	0	-38.3	53.86	-	-	74	-20.14	181	176	V
		3	* 2.39	46.75	RMS	32.1	1.28	-38.22	41.91	54	-12.09	-	-	181	176	V
			* 2.348879	47.91	RMS	31.9	1.28	-38.04	43.05	54	-10.95	-	-	181	176	V
			* 2.39	60.99	Pk	32.1	0	-39.53	53.56	-	-	74	-20.44	116	187	H
			* 2.343915	63.07	Pk	31.9	0	-39.63	55.34	-	-	74	-18.66	116	187	H
			* 2.39	50	RMS	32.1	1.28	-39.53	43.85	54	-10.15	-	-	116	187	H
			* 2.384527	51	RMS	32.1	1.28	-39.56	44.82	54	-9.18	-	-	116	187	H
			* 2.39	62.16	Pk	32.1	0	-39.53	54.73	-	-	74	-19.27	87	128	V
			* 2.385007	63.64	Pk	32.1	0	-39.57	56.17	-	-	74	-17.83	87	128	V
			* 2.39	49.77	RMS	32.1	1.28	-39.53	43.62	54	-10.38	-	-	87	128	V
			* 2.384672	50.94	RMS	32.1	1.28	-39.56	44.76	54	-9.24	-	-	87	128	V

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

Pk - Peak detector

RMS - RMS detection

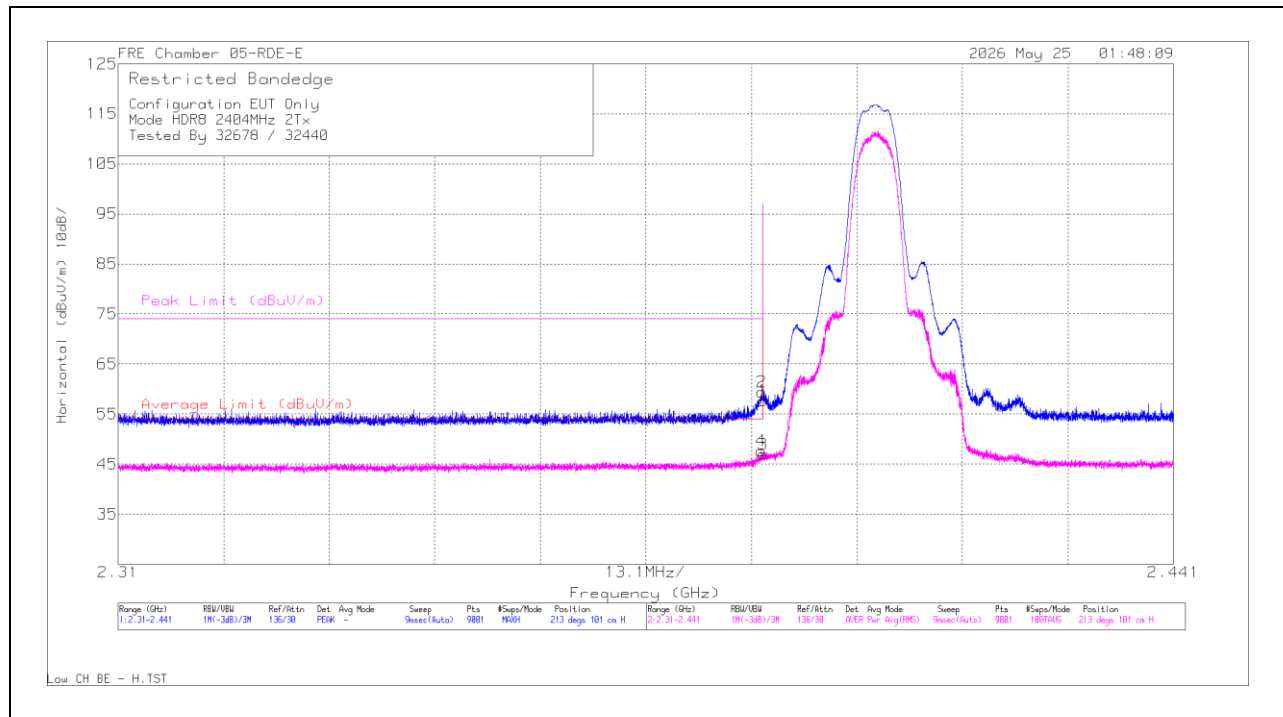
10.1.4. LOW BAND EDGE – LOW POWER – MIMO TXBF

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	DCCF (dB)	Amp/Cbl/ 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
HDR4	2404	4 + 3	* 2.39	60.85	Pk	32.1	0	-39.53	53.42	-	-	74	-20.58	24	119	H
			* 2.353421	63.16	Pk	32	0	-39.55	55.61	-	-	74	-18.39	24	119	H
			* 2.39	49.5	RMS	32.1	1.28	-39.53	43.35	54	-10.65	-	-	24	119	H
			* 2.38837	51.02	RMS	32.1	1.28	-39.54	44.86	54	-9.14	-	-	24	119	H
			* 2.39	60.13	Pk	32.1	0	-39.53	52.7	-	-	74	-21.3	320	340	V
			* 2.367584	63.22	Pk	32	0	-39.54	55.68	-	-	74	-18.32	320	340	V
			* 2.39	50.01	RMS	32.1	1.28	-39.53	43.86	54	-10.14	-	-	320	340	V
HDR8	2404	4 + 3	* 2.388835	50.9	RMS	32.1	1.28	-39.53	44.75	54	-9.25	-	-	320	340	V
			* 2.39	61.1	Pk	32.1	0	-39.53	53.67	-	-	74	-20.33	29	135	H
			* 2.385371	62.85	Pk	32.1	0	-39.56	55.39	-	-	74	-18.61	29	135	H
			* 2.39	49.83	RMS	32.1	1.28	-39.53	43.68	54	-10.32	-	-	29	135	H
			* 2.383857	50.98	RMS	32.1	1.28	-39.54	44.82	54	-9.18	-	-	29	135	H
			* 2.39	60.57	Pk	32.1	0	-39.53	53.14	-	-	74	-20.86	321	341	V
			* 2.357089	63.54	Pk	32	0	-39.58	55.96	-	-	74	-18.04	321	341	V
			* 2.39	49.57	RMS	32.1	1.28	-39.53	43.42	54	-10.58	-	-	321	341	V
			* 2.372824	51	RMS	32	1.28	-39.57	44.71	54	-9.29	-	-	321	341	V

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

Pk - Peak detector

RMS - RMS detection

10.1.5. LOW BAND EDGE – WORST-CASE**HDR8 / 2404 MHz / HIGH POWER / MIMO TXBF****HORIZONTAL RESULT****MEASURED DATA**

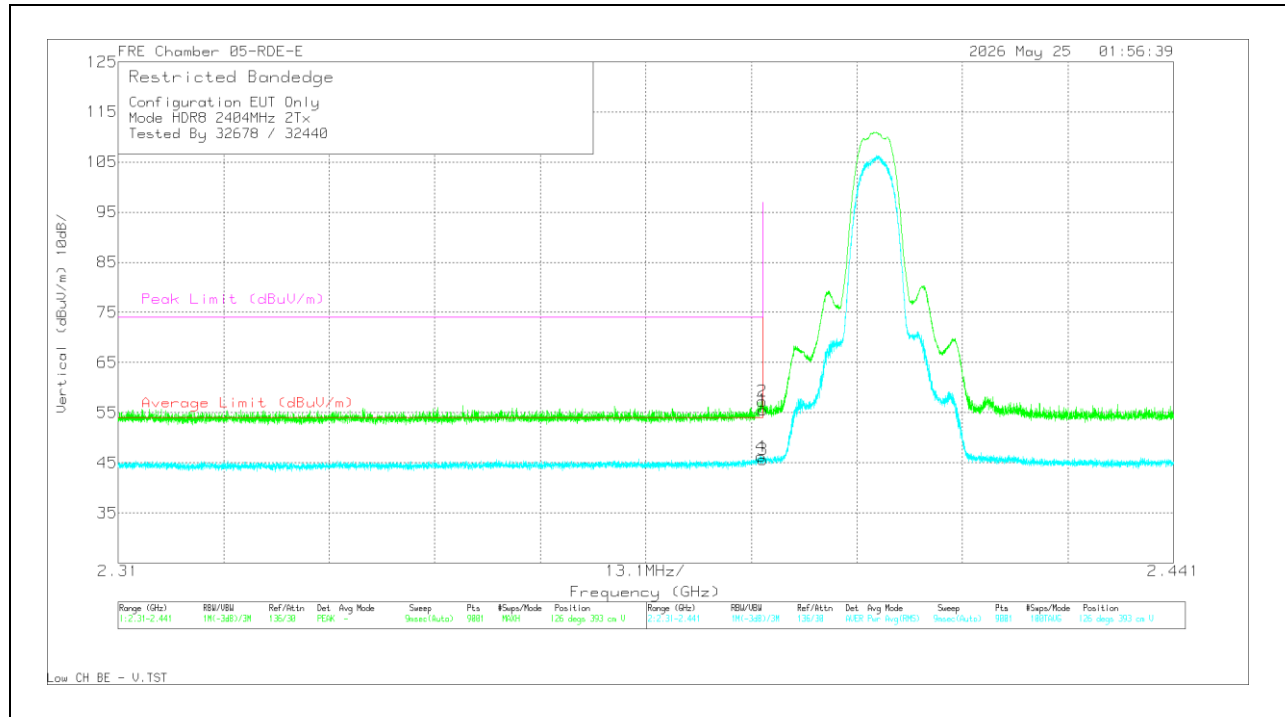
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206805 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	63.02	Pk	32.1	0	-37.5	57.62	-	-	74	-16.38	213	101	H
2	* 2.389854	64.86	Pk	32.1	0	-37.51	59.45	-	-	74	-14.55	213	101	H
3	* 2.39	51.09	RMS	32.1	1.28	-37.5	46.97	54	-7.03	-	-	213	101	H
4	* 2.389811	51.78	RMS	32.1	1.28	-37.52	47.64	54	-6.36	-	-	213	101	H

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

Pk - Peak detector

RMS - RMS detection

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 (Degs)	Height (cm)	Polarity
1	* 2.39	60.95	Pk	32.1	0	-37.5	55.55	-	-	74	-18.45	126	393	V
2	* 2.389942	62.74	Pk	32.1	0	-37.51	57.33	-	-	74	-16.67	126	393	V
3	* 2.39	49.76	RMS	32.1	1.28	-37.5	45.64	54	-8.36	-	-	126	393	V
4	* 2.389767	50.36	RMS	32.1	1.28	-37.52	46.22	54	-7.78	-	-	126	393	V

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

Pk - Peak detector

RMS - RMS detection

10.1.6. 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
HDR4	2476	4	* 2.4835	65.02	Pk	32.6	0	-37.65	59.97	-	-	74	-14.03	32	107	H
			* 2.483579	66.47	Pk	32.6	0	-37.66	61.41	-	-	74	-12.59	32	107	H
			* 2.4835	52.1	RMS	32.6	1.28	-37.65	48.33	54	-5.67	-	-	32	107	H
			* 2.483715	52.65	RMS	32.6	1.28	-37.67	48.86	54	-5.14	-	-	32	107	H
			* 2.4835	65.57	Pk	32.6	0	-37.65	60.52	-	-	74	-13.48	70	272	V
			* 2.483512	65.78	Pk	32.6	0	-37.65	60.73	-	-	74	-13.27	70	272	V
			* 2.4835	51.21	RMS	32.6	1.28	-37.65	47.44	54	-6.56	-	-	70	272	V
			* 2.483634	52.37	RMS	32.6	1.28	-37.66	48.59	54	-5.41	-	-	70	272	V
		3	* 2.4835	60.71	Pk	32.6	0	-37.65	55.66	-	-	74	-18.34	202	186	H
			2.520614	62.12	Pk	32.8	0	-37.64	57.28	-	-	-	-	202	186	H
			* 2.4835	49.05	RMS	32.6	1.28	-37.65	45.28	54	-8.72	-	-	202	186	H
			* 2.484827	50.39	RMS	32.6	1.28	-37.7	46.57	54	-7.43	-	-	202	186	H
			* 2.4835	61.02	Pk	32.6	0	-37.65	55.97	-	-	74	-18.03	254	108	V
			2.528219	62.26	Pk	32.8	0	-37.68	57.38	-	-	-	-	254	108	V
			* 2.4835	49.45	RMS	32.6	1.28	-37.65	45.68	54	-8.32	-	-	254	108	V
			* 2.484732	50.28	RMS	32.6	1.28	-37.7	46.46	54	-7.54	-	-	254	108	V
HDR8	2476	4	* 2.4835	65.98	Pk	32.6	0	-37.65	60.93	-	-	74	-13.07	30	109	H
			* 2.485775	68.46	Pk	32.6	0	-37.7	63.36	-	-	74	-10.64	30	109	H
			* 2.4835	54.44	RMS	32.6	1.28	-37.65	50.67	54	-3.33	-	-	30	109	H
			* 2.483525	55.06	RMS	32.6	1.28	-37.65	51.29	54	-2.71	-	-	30	109	H
			* 2.4835	64.84	Pk	32.6	0	-37.65	59.79	-	-	74	-14.21	48	189	V
			* 2.48583	66.63	Pk	32.6	0	-37.7	61.53	-	-	74	-12.47	48	189	V
			* 2.4835	52.62	RMS	32.6	1.28	-37.65	48.85	54	-5.15	-	-	48	189	V
			* 2.483742	53.5	RMS	32.6	1.28	-37.67	49.71	54	-4.29	-	-	48	189	V
		3	* 2.4835	62.95	Pk	32.6	0	-37.65	57.9	-	-	74	-16.1	208	121	H
			* 2.485694	65.93	Pk	32.6	0	-37.7	60.83	-	-	74	-13.17	208	121	H
			* 2.4835	51.49	RMS	32.6	1.28	-37.65	47.72	54	-6.28	-	-	208	121	H
			* 2.483579	52.93	RMS	32.6	1.28	-37.66	49.15	54	-4.85	-	-	208	121	H
			* 2.4835	62.97	Pk	32.6	0	-37.65	57.92	-	-	74	-16.08	275	129	V
			* 2.486101	64.88	Pk	32.6	0	-37.7	59.78	-	-	74	-14.22	275	129	V
			* 2.4835	51.04	RMS	32.6	1.28	-37.65	47.27	54	-6.73	-	-	275	129	V
			* 2.485382	51.95	RMS	32.6	1.28	-37.7	48.13	54	-5.87	-	-	275	129	V

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

Pk - Peak detector

RMS - RMS detection

10.1.7. HIGH BAND EDGE – HIGH POWER – MIMO TXBF

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2476	4 + 3	* 2.4835	69.27	Pk	32.6	0	-37.65	64.22	-	-	74	-9.78	39	101	H
			* 2.483539	69.35	Pk	32.6	0	-37.65	64.3	-	-	74	-9.7	39	101	H
			* 2.4835	53.77	RMS	32.6	1.28	-37.65	50	54	-4	-	-	39	101	H
			* 2.483539	54.79	RMS	32.6	1.28	-37.65	51.02	54	-2.98	-	-	39	101	H
			* 2.4835	63.85	Pk	32.6	0	-37.65	58.8	-	-	74	-15.2	282	341	V
			* 2.48362	64.65	Pk	32.6	0	-37.66	59.59	-	-	74	-14.41	282	341	V
			* 2.4835	50.61	RMS	32.6	1.28	-37.65	46.84	54	-7.16	-	-	282	341	V
HDR8	2476	4 + 3	* 2.483512	51.43	RMS	32.6	1.28	-37.65	47.66	54	-6.34	-	-	282	341	V
			* 2.4835	65.69	Pk	32.6	0	-37.65	60.64	-	-	74	-13.36	205	102	H
			* 2.485938	67.21	Pk	32.6	0	-37.7	62.11	-	-	74	-11.89	205	102	H
			* 2.4835	53.99	RMS	32.6	1.28	-37.65	50.22	54	-3.78	-	-	205	102	H
			* 2.483525	54.53	RMS	32.6	1.28	-37.65	50.76	54	-3.24	-	-	205	102	H
			* 2.4835	61.68	Pk	32.6	0	-37.65	56.63	-	-	74	-17.37	282	342	V
			* 2.485775	64.01	Pk	32.6	0	-37.7	58.91	-	-	74	-15.09	282	342	V
			* 2.4835	50.86	RMS	32.6	1.28	-37.65	47.09	54	-6.91	-	-	282	342	V
			* 2.483701	51.22	RMS	32.6	1.28	-37.67	47.43	54	-6.57	-	-	282	342	V

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

Pk - Peak detector

RMS - RMS detection

10.1.8. 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/ 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
HDR4	2476	4	* 2.4835	61.59	Pk	32.3	0	-39.37	54.52	-	-	74	-19.48	201	111	H
			2.534265	63.2	Pk	32.3	0	-39.25	56.25	-	-	-	-	201	111	H
			* 2.4835	49.92	RMS	32.3	1.28	-39.37	44.13	54	-9.87	-	-	201	111	H
			2.557554	50.99	RMS	32.3	1.28	-39.2	45.37	-	-	-	-	201	111	H
			* 2.4835	60.96	Pk	32.3	0	-39.37	53.89	-	-	74	-20.11	241	193	V
			2.507736	65.63	Pk	32.4	0	-39.32	58.71	-	-	-	-	241	193	V
			* 2.4835	49.71	RMS	32.3	1.28	-39.37	43.92	54	-10.08	-	-	241	193	V
			2.508482	53.8	RMS	32.4	1.28	-39.33	48.15	-	-	-	-	241	193	V
		3	* 2.4835	60.42	Pk	32.3	0	-39.37	53.35	-	-	74	-20.65	26	101	H
			2.537966	63.43	Pk	32.3	0	-39.24	56.49	-	-	-	-	26	101	H
			* 2.4835	49.91	RMS	32.3	1.28	-39.37	44.12	54	-9.88	-	-	26	101	H
			2.552539	50.73	RMS	32.3	1.28	-39.15	45.16	-	-	-	-	26	101	H
			* 2.4835	60.48	Pk	32.3	0	-39.37	53.41	-	-	74	-20.59	61	169	V
			2.513497	62.69	Pk	32.3	0	-39.29	55.7	-	-	-	-	61	169	V
			* 2.4835	50.03	RMS	32.3	1.28	-39.37	44.24	54	-9.76	-	-	61	169	V
			* 2.48709	50.91	RMS	32.4	1.28	-39.32	45.27	54	-8.73	-	-	61	169	V
HDR8	2476	4	* 2.4835	60.62	Pk	32.3	0	-39.37	53.55	-	-	74	-20.45	203	107	H
			2.510502	63.25	Pk	32.3	0	-39.3	56.25	-	-	-	-	203	107	H
			* 2.4835	49.87	RMS	32.3	1.28	-39.37	44.08	54	-9.92	-	-	203	107	H
			2.551617	51.12	RMS	32.3	1.28	-39.19	45.51	-	-	-	-	203	107	H
			* 2.4835	60.69	Pk	32.3	0	-39.37	53.62	-	-	74	-20.38	243	192	V
			2.507492	63.67	Pk	32.4	0	-39.31	56.76	-	-	-	-	243	192	V
			* 2.4835	50.42	RMS	32.3	1.28	-39.37	44.63	54	-9.37	-	-	243	192	V
			2.508062	51.37	RMS	32.4	1.28	-39.33	45.72	-	-	-	-	243	192	V
		3	* 2.4835	61.3	Pk	32.3	0	-39.37	54.23	-	-	74	-19.77	26	119	H
			2.557988	63.1	Pk	32.3	0	-39.18	56.22	-	-	-	-	26	119	H
			* 2.4835	49.79	RMS	32.3	1.28	-39.37	44	54	-10	-	-	26	119	H
			* 2.494628	50.91	RMS	32.4	1.28	-39.3	45.29	54	-8.71	-	-	26	119	H
			* 2.4835	60.5	Pk	32.3	0	-39.37	53.43	-	-	74	-20.57	73	167	V
			2.505974	65.04	Pk	32.4	0	-39.31	58.13	-	-	-	-	73	167	V
			* 2.4835	49.78	RMS	32.3	1.28	-39.37	43.99	54	-10.01	-	-	73	167	V
			2.50756	52.85	RMS	32.4	1.28	-39.32	47.21	-	-	-	-	73	167	V

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

Pk - Peak detector

RMS - RMS detection

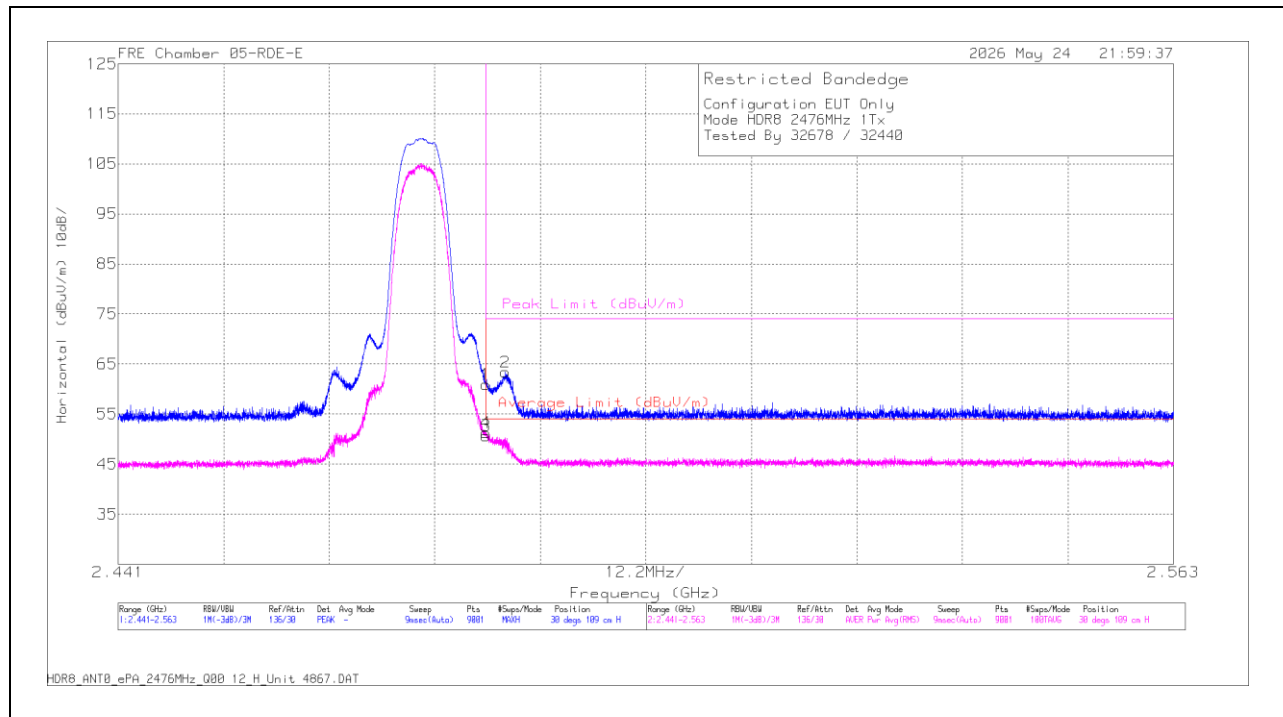
10.1.9. HIGH BAND EDGE – LOW POWER – MIMO TXBF

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	2476	4 + 3	* 2.4835	61.42	Pk	32.3	0	-39.37	54.35	-	-	74	-19.65	22	130	H
			2.506245	63.34	Pk	32.4	0	-39.31	56.43	-	-	-	-	22	130	H
			* 2.4835	50.23	RMS	32.3	1.28	-39.37	44.44	54	-9.56	-	-	22	130	H
			* 2.495685	50.94	RMS	32.4	1.28	-39.32	45.3	54	-8.7	-	-	22	130	H
			* 2.4835	60.31	Pk	32.3	0	-39.37	53.24	-	-	74	-20.76	324	370	V
			2.55056	63.35	Pk	32.3	0	-39.21	56.44	-	-	-	-	324	370	V
			* 2.4835	49.84	RMS	32.3	1.28	-39.37	44.05	54	-9.95	-	-	324	370	V
HDR8	2476	4 + 3	* 2.492242	51.15	RMS	32.4	1.28	-39.33	45.5	54	-8.5	-	-	324	370	V
			* 2.4835	61.08	Pk	32.3	0	-39.37	54.01	-	-	74	-19.99	26	111	H
			2.503737	63.43	Pk	32.4	0	-39.3	56.53	-	-	-	-	26	111	H
			* 2.4835	50.42	RMS	32.3	1.28	-39.37	44.63	54	-9.37	-	-	26	111	H
			* 2.484	51.22	RMS	32.3	1.28	-39.37	45.43	54	-8.57	-	-	26	111	H
			* 2.4835	60.78	Pk	32.3	0	-39.37	53.71	-	-	74	-20.29	127	378	V
			2.522702	63.95	Pk	32.3	0	-39.28	56.97	-	-	-	-	127	378	V
			* 2.4835	50.5	RMS	32.3	1.28	-39.37	44.71	54	-9.29	-	-	127	378	V
			* 2.486372	50.91	RMS	32.4	1.28	-39.34	45.25	54	-8.75	-	-	127	378	V

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

Pk - Peak detector

RMS - RMS detection

10.1.10. HIGH BAND EDGE – WORST-CASE**HDR8 / 2476 MHz / HIGH POWER / SISO ANT 4****HORIZONTAL RESULT****MEASURED DATA**

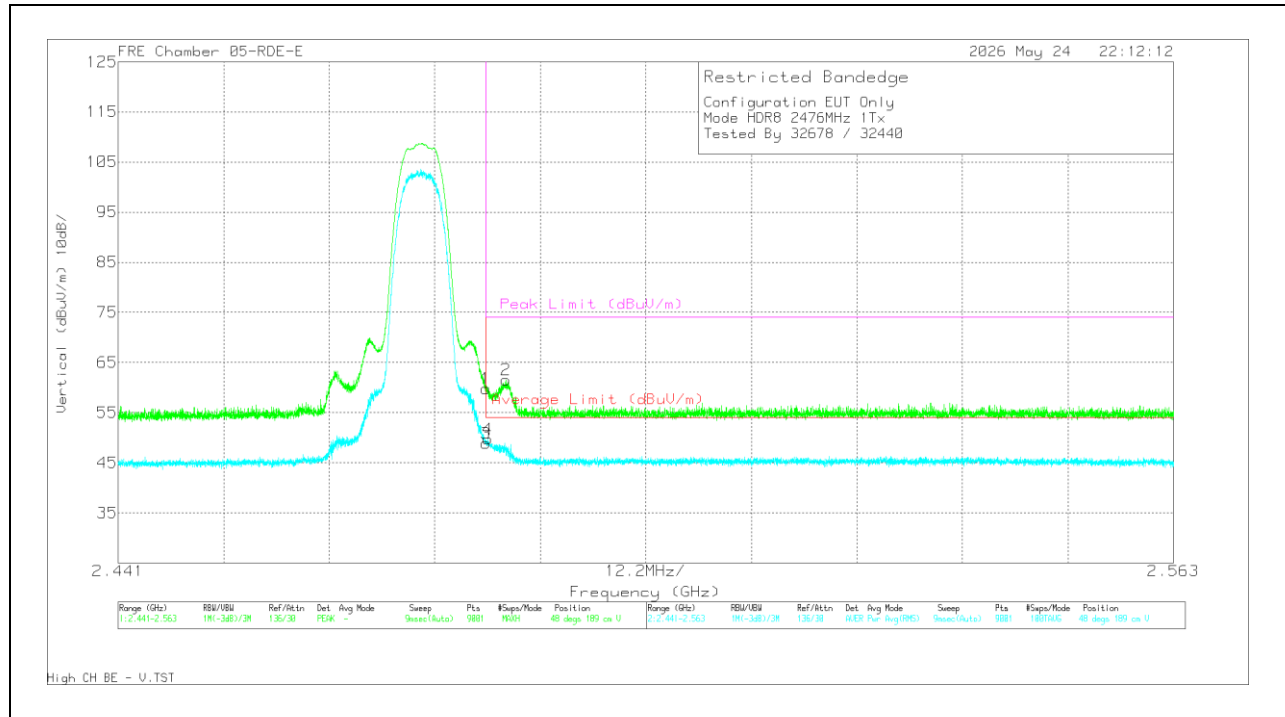
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206805 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	65.98	Pk	32.6	0	-37.65	60.93	-	-	74	-13.07	30	109	H
2	* 2.485775	68.46	Pk	32.6	0	-37.7	63.36	-	-	74	-10.64	30	109	H
3	* 2.4835	54.44	RMS	32.6	1.28	-37.65	50.67	54	-3.33	-	-	30	109	H
4	* 2.483525	55.06	RMS	32.6	1.28	-37.65	51.29	54	-2.71	-	-	30	109	H

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

Pk - Peak detector

RMS - RMS detection

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 (Degs)	Height (cm)	Polarity
1	* 2.4835	64.84	Pk	32.6	0	-37.65	59.79	-	-	74	-14.21	48	189	V
2	* 2.48583	66.63	Pk	32.6	0	-37.7	61.53	-	-	74	-12.47	48	189	V
3	* 2.4835	52.62	RMS	32.6	1.28	-37.65	48.85	54	-5.15	-	-	48	189	V
4	* 2.483742	53.5	RMS	32.6	1.28	-37.67	49.71	54	-4.29	-	-	48	189	V

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

Pk - Peak detector

RMS - RMS detection

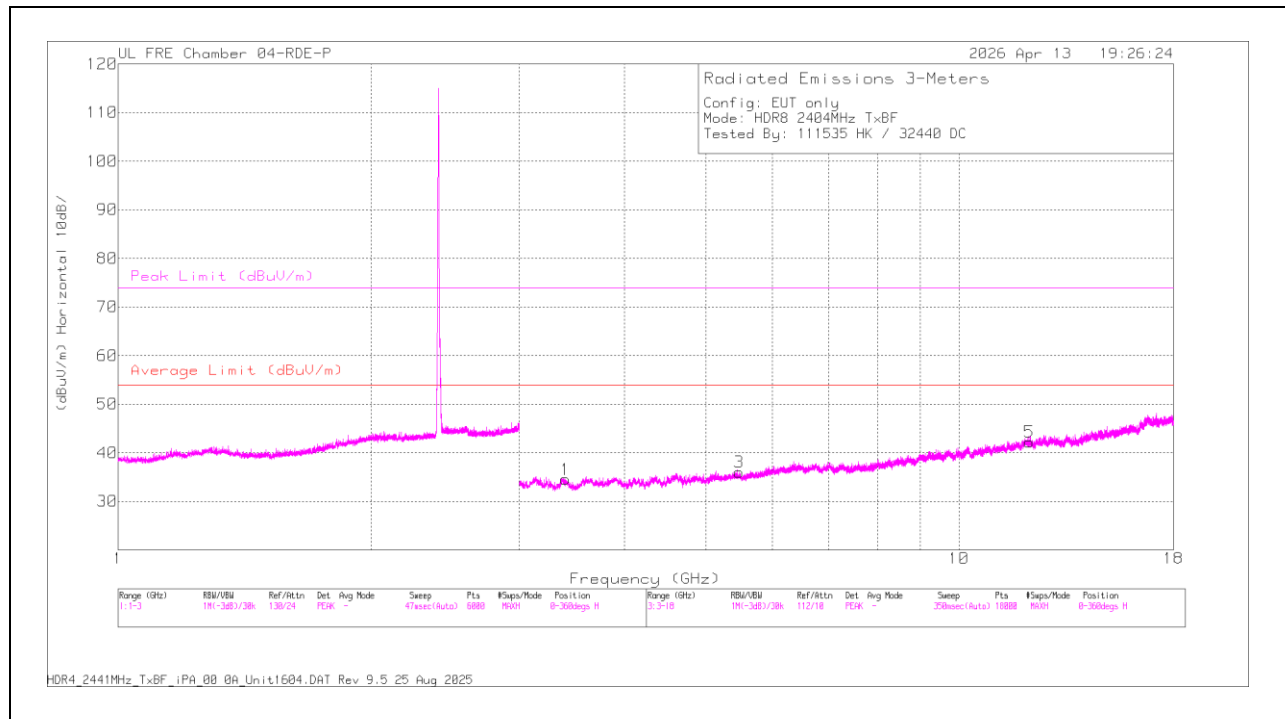
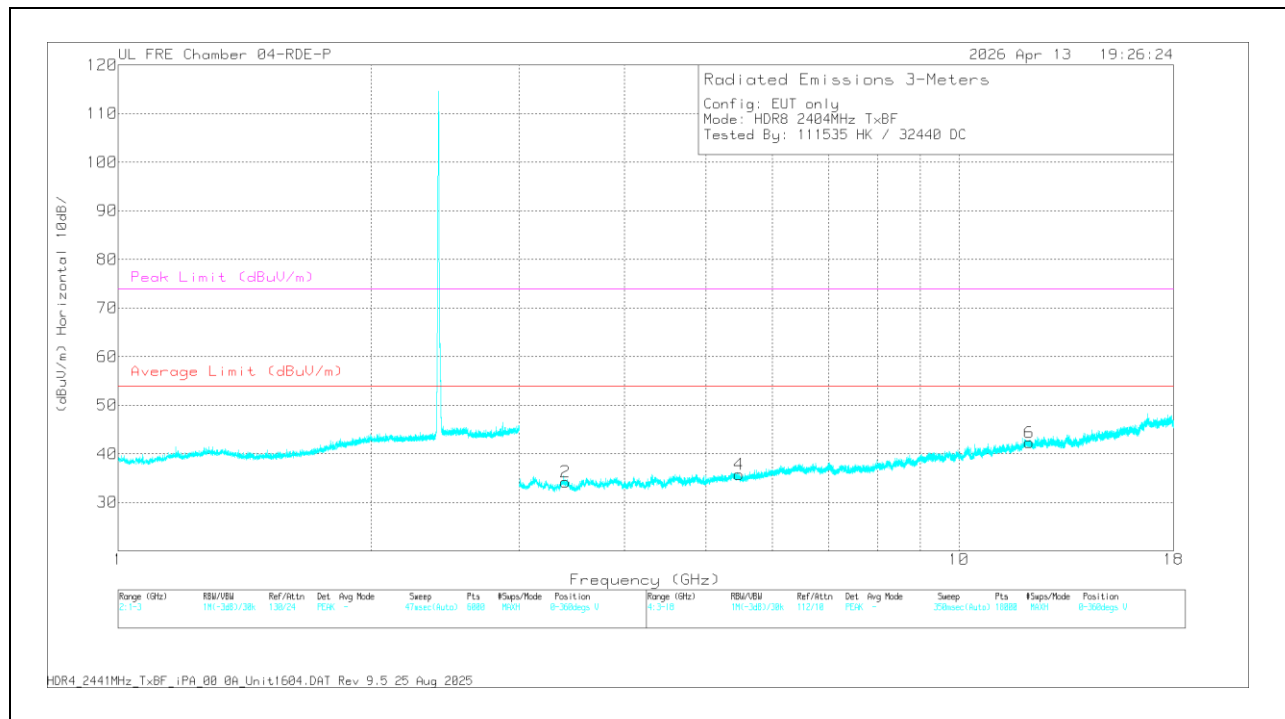
10.1.11. SPURIOUS EMISSIONS – HIGH POWER – MIMO TXBF

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
HDR4	2404	4 + 3	* 4.564844	59.05	PK2	33.8	0	-47.63	45.22	-	-	74	-28.78	0	201	V
			* 4.570848	59.56	PK2	33.9	0	-47.65	45.81	-	-	74	-28.19	0	100	H
			* 4.57547	47.43	MAv1	33.9	1.28	-47.59	35.02	54	-18.98	-	-	0	100	H
			* 4.585768	47.6	MAv1	33.9	1.28	-47.49	35.29	54	-18.71	-	-	0	201	V
			7.200336	57.47	PK2	35.7	0	-45.62	47.55	-	-	-	-	0	200	V
			7.212687	45.77	MAv1	35.7	1.28	-45.56	37.19	-	-	-	-	0	100	H
			7.22302	57.48	PK2	35.7	0	-45.6	47.58	-	-	-	-	0	100	H
			7.228767	45.61	MAv1	35.7	1.28	-45.67	36.92	-	-	-	-	0	200	V
			13.435429	56.97	PK2	39.1	0	-43.16	52.91	-	-	-	-	0	100	H
			13.446311	45.3	MAv1	39.1	1.28	-42.97	42.71	-	-	-	-	0	200	V
			13.448755	57.29	PK2	39.1	0	-43.04	53.35	-	-	-	-	0	200	V
			13.45034	45.2	MAv1	39.1	1.28	-43.02	42.56	-	-	-	-	0	100	H
	2441	4 + 3	* 4.654695	59	PK2	34	0	-47.75	45.25	-	-	74	-28.75	360	201	V
			* 4.660997	47.29	MAv1	34	1.28	-47.94	34.63	54	-19.37	-	-	360	201	V
			* 4.664875	59.87	PK2	34	0	-47.83	46.04	-	-	74	-27.96	360	100	H
			* 4.667092	47.11	MAv1	34	1.28	-47.92	34.47	54	-19.53	-	-	360	100	H
			* 7.377963	45.78	MAv1	35.7	1.28	-46.05	36.71	54	-17.29	-	-	360	100	H
			* 7.391976	58.59	PK2	35.7	0	-46.15	48.14	-	-	74	-25.86	360	100	H
			* 7.394858	45.78	MAv1	35.7	1.28	-46.2	36.56	54	-17.44	-	-	360	200	V
			* 7.397161	57.56	PK2	35.7	0	-46.11	47.15	-	-	74	-26.85	360	200	V
			14.119914	57.18	PK2	39	0	-43.22	52.96	-	-	-	-	360	200	V
			14.125909	45.56	MAv1	39	1.28	-43.08	42.76	-	-	-	-	360	100	H
			14.130901	45.38	MAv1	39	1.28	-43.04	42.62	-	-	-	-	360	200	V
			14.137056	57.14	PK2	39	0	-43.11	53.03	-	-	-	-	360	100	H
	2476	4 + 3	3.567278	57.96	PK2	32.9	0	-46.19	44.67	-	-	-	-	360	201	V
			3.568425	45.99	MAv1	32.9	1.28	-46.07	34.1	-	-	-	-	360	201	V
			3.568607	58.22	PK2	32.9	0	-46.06	45.06	-	-	-	-	360	100	H
			3.570412	46.03	MAv1	32.9	1.28	-46.07	34.14	-	-	-	-	360	100	H
			5.302532	58.75	PK2	34.4	0	-47.82	45.33	-	-	-	-	360	200	V
			5.317207	58.74	PK2	34.4	0	-47.8	45.34	-	-	-	-	360	100	H
			5.333768	47.12	MAv1	34.4	1.28	-47.62	35.18	-	-	-	-	360	200	V
			5.334927	47.26	MAv1	34.4	1.28	-47.6	35.34	-	-	-	-	360	100	H
			9.215088	45.04	MAv1	36.4	1.28	-43.53	39.19	-	-	-	-	360	100	H
			9.218955	45.02	MAv1	36.4	1.28	-43.49	39.21	-	-	-	-	360	200	V
			9.221039	57.59	PK2	36.4	0	-43.42	50.57	-	-	-	-	360	100	H
			9.22851	56.96	PK2	36.4	0	-43.41	49.95	-	-	-	-	360	200	V
HDR8	2404	4 + 3	3.400281	57.73	PK2	32.7	0	-45.88	44.55	-	-	-	-	0	100	H
			3.404125	45.93	MAv1	32.7	1.28	-46.11	33.8	-	-	-	-	0	100	H
			3.410272	57.65	PK2	32.7	0	-45.88	44.47	-	-	-	-	0	201	V
			3.389503	45.82	MAv1	32.7	1.28	-46.08	33.72	-	-	-	-	0	201	V
			5.480523	58.53	PK2	34.3	0	-47.07	45.76	-	-	-	-	0	200	V
			5.467688	46.85	MAv1	34.4	1.28	-47.19	35.34	-	-	-	-	0	200	V
			5.490494	59.13	PK2	34.3	0	-47.14	46.29	-	-	-	-	0	100	H
			5.471072	46.69	MAv1	34.4	1.28	-47.07	35.3	-	-	-	-	0	100	H
			* 12.135793	57.16	PK2	38.8	0	-43.34	52.62	-	-	74	-21.38	0	100	H
			* 12.118811	45.1	MAv1	38.8	1.28	-43.53	41.65	54	-12.35	-	-	0	100	H
			* 12.139129	57.11	PK2	38.8	0	-43.35	52.56	-	-	74	-21.44	0	200	V
			* 12.126822	45.03	MAv1	38.8	1.28	-43.47	41.64	54	-12.36	-	-	0	200	V
	2441	4 + 3	* 4.099649	57.89	PK2	33.2	0	-46.23	44.86	-	-	74	-29.14	0	201	V
			* 4.09998	45.85	MAv1	33.2	1.28	-46.21	34.12	54	-19.88	-	-	0	100	H
			* 4.104035	45.88	MAv1	33.2	1.28	-46.35	34.01	54	-19.99	-	-	0	201	V
			* 4.108789	58.2	PK2	33.2	0	-46.02	45.38	-	-	74	-28.62	0	100	H
			5.820965	45.36	MAv1	34.8	1.28	-45.79	35.65	-	-	-	-	0	100	H
			5.821521	57.13	PK2	34.8	0	-45.82	46.11	-	-	-	-	0	100	H
			5.827937	45.41	MAv1	34.8	1.28	-45.9	35.59	-	-	-	-	0	200	V
			5.848488	57.48	PK2	34.9	0	-45.87	46.51	-	-	-	-	0	200	V
			13.449975	57.34	PK2	39.1	0	-43	53.44	-	-	-	-	0	200	V
			13.450111	45.66	MAv1	39.1	1.28	-43.01	43.03	-	-	-	-	0	100	H
			13.465953	45.71	MAv1	39.1	1.28	-43.2	42.89	-	-	-	-	0	200	V
			13.467217	58.1	PK2	39.1	0	-43.26	53.94	-	-	-	-	0	100	H
	2476	4 + 3	* 12.633137	35.19	MAv1	39	1.28	-34	41.47	54	-12.53	-	-	1	199	H
			* 12.633415	35.18	MAv1	39	1.28	-34	41.46	54	-12.54	-	-	1	199	V
			* 12.636795	47.92	PK2	39	0	-33.9	53.02	-	-	74	-20.98	1	199	H
			* 12.656091	46.92	PK2	39	0	-33.7	52.22	-	-	74	-21.78	1	199	V
			* 4.047052	53.42	PK2	33.5	0	-41.8	45.12	-	-	74	-28.88	1	100	V
			* 4.051296	52.67	PK2	33.5	0	-41.8	44.37	-	-	74	-29.63	1	100	H
			* 4.057225	40.55	MAv1	33.5	1.28	-41.8	33.53	54	-20.47	-	-	1	100	H
			* 4.060594	40.67	MAv1	33.5	1.28	-41.8	33.65	54	-20.35	-	-	1	100	V
			6.25115	37.72	MAv1	35.5	1.28	-38.5	36	-	-	-	-	1	199	V
			6.259234	49.54	PK2	35.5	0	-38.6	46.44	-	-	-	-	1	199	V
			6.259603	49.42	PK2	35.5	0	-38.6	46.32	-	-	-	-	1	100	H
			6.275292	37.59	MAv1	35.5	1.28	-38.8	35.57	-	-	-	-	1	100	H

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

Pk - Peak detector

MAv1 - RMS detection

10.1.12. SPURIOUS EMISSIONS – WORST-CASE**HDR8 / 2404 MHz / HIGH POWER / MIMO TXBF****HORIZONTAL RESULT****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	3.400281	57.73	PK2	32.7	0	-45.88	44.55	-	-	-	-	0	100	H
	3.404125	45.93	MAv1	32.7	1.28	-46.11	33.8	-	-	-	-	0	100	H
2	3.410272	57.65	PK2	32.7	0	-45.88	44.47	-	-	-	-	0	201	V
	3.389503	45.82	MAv1	32.7	1.28	-46.08	33.72	-	-	-	-	0	201	V
4	5.480523	58.53	PK2	34.3	0	-47.07	45.76	-	-	-	-	0	200	V
	5.467688	46.85	MAv1	34.4	1.28	-47.19	35.34	-	-	-	-	0	200	V
3	5.490494	59.13	PK2	34.3	0	-47.14	46.29	-	-	-	-	0	100	H
	5.471072	46.69	MAv1	34.4	1.28	-47.07	35.3	-	-	-	-	0	100	H
5	* 12.135793	57.16	PK2	38.8	0	-43.34	52.62	-	-	74	-21.38	0	100	H
	* 12.118811	45.1	MAv1	38.8	1.28	-43.53	41.65	54	-12.35	-	-	0	100	H
6	* 12.139129	57.11	PK2	38.8	0	-43.35	52.56	-	-	74	-21.44	0	200	V
	* 12.126822	45.03	MAv1	38.8	1.28	-43.47	41.64	54	-12.36	-	-	0	200	V

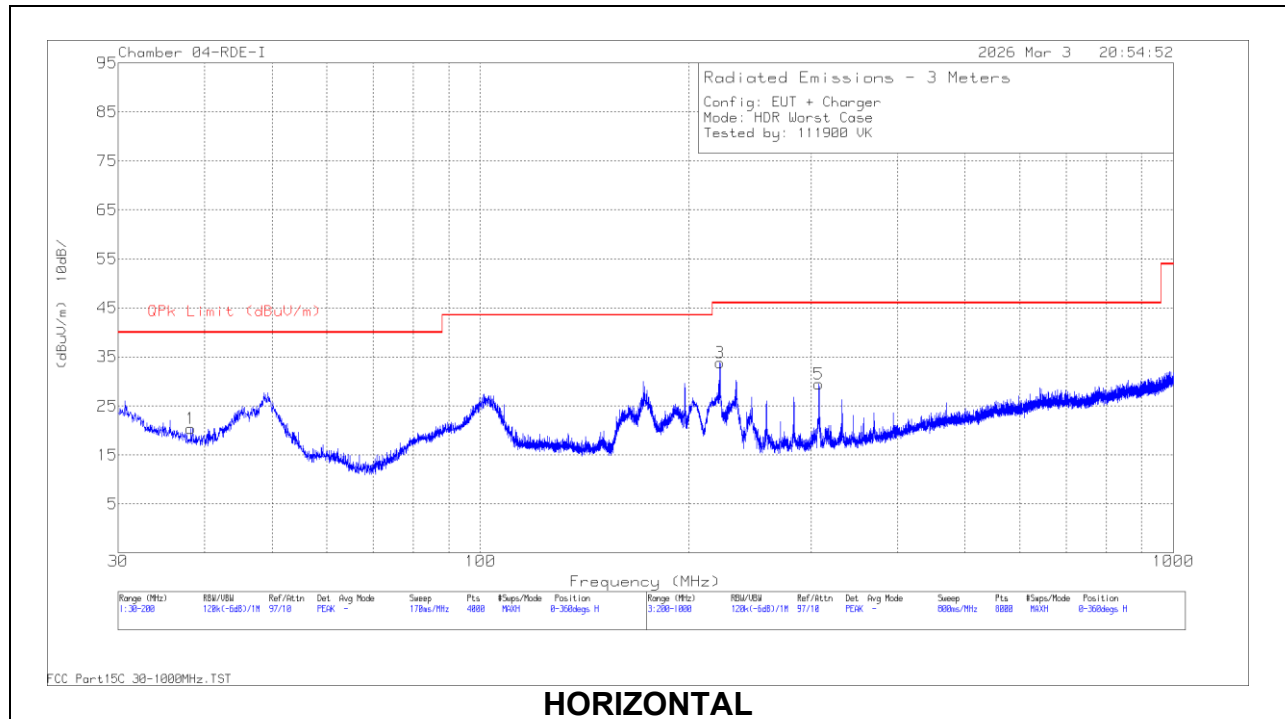
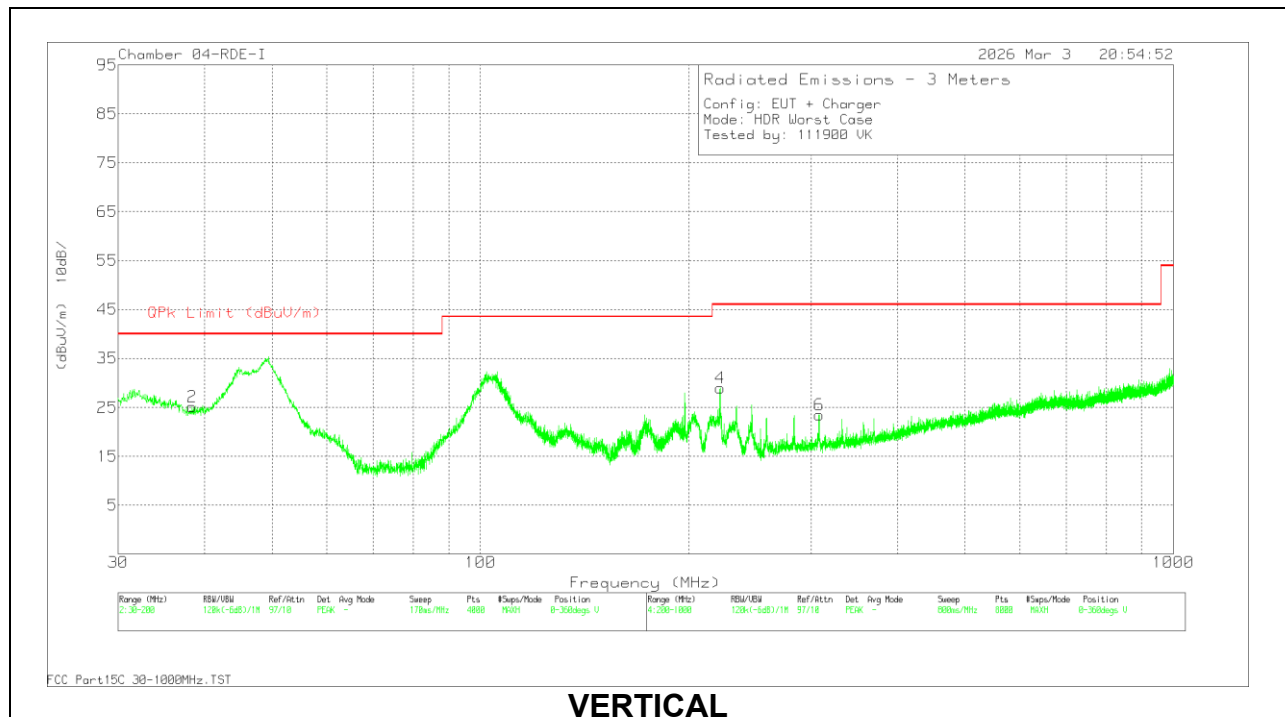
* - indicates frequency in 47 CFR Part 15/ IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

10.2. 30 MHz - 1 GHz – WORST-CASE

SPURIOUS EMISSIONS



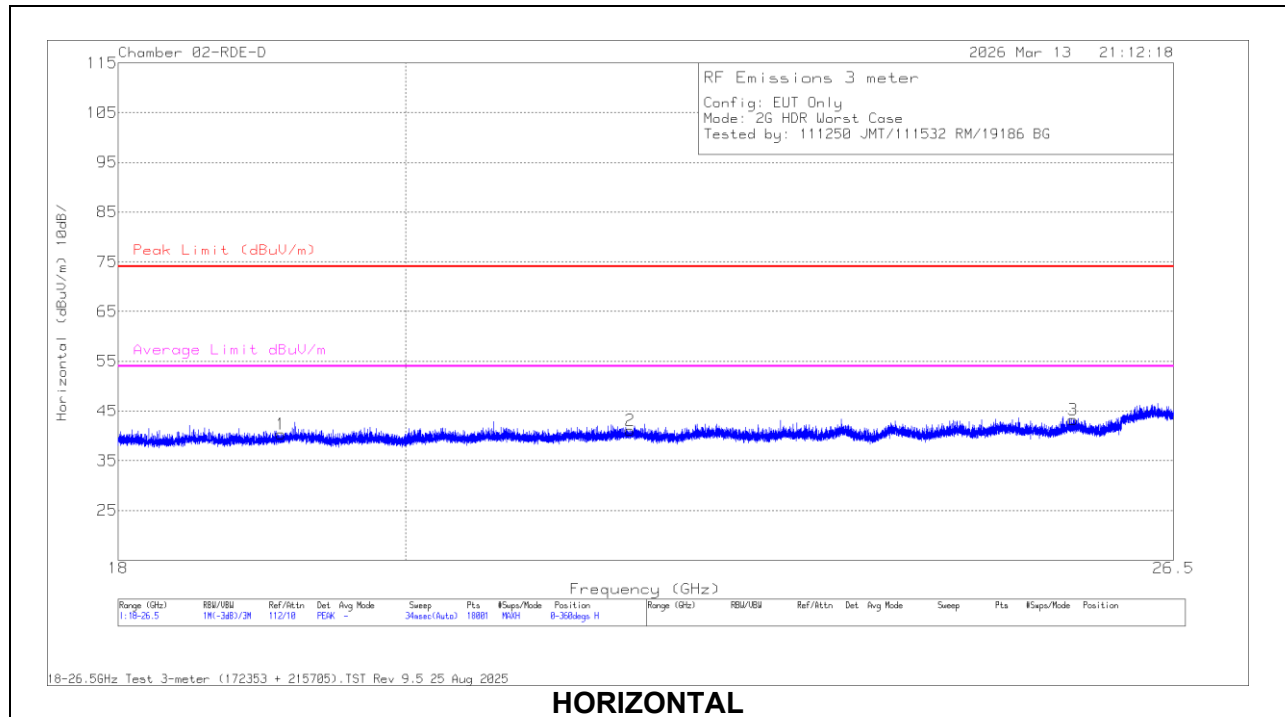
MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	82258 ACF (dB/m)	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	38.2046	21.6	Qp	20.8	-31.2	0	11.2	40	-28.8	1	100	H
3	221.682	46.26	Qp	16.6	-30.1	0	32.76	46.02	-13.26	79	110	H
4	221.791	40.98	Qp	16.6	-30.1	0	27.48	46.02	-18.54	238	103	V
5	307.926	38.95	Qp	19.5	-29.6	0	28.85	46.02	-17.17	33	100	H
6	308.057	32.57	Qp	19.5	-29.6	0	22.47	46.02	-23.55	310	112	V
2	38.3747	31.14	Qp	20.7	-31.2	0	20.64	40	-19.36	1	100	V

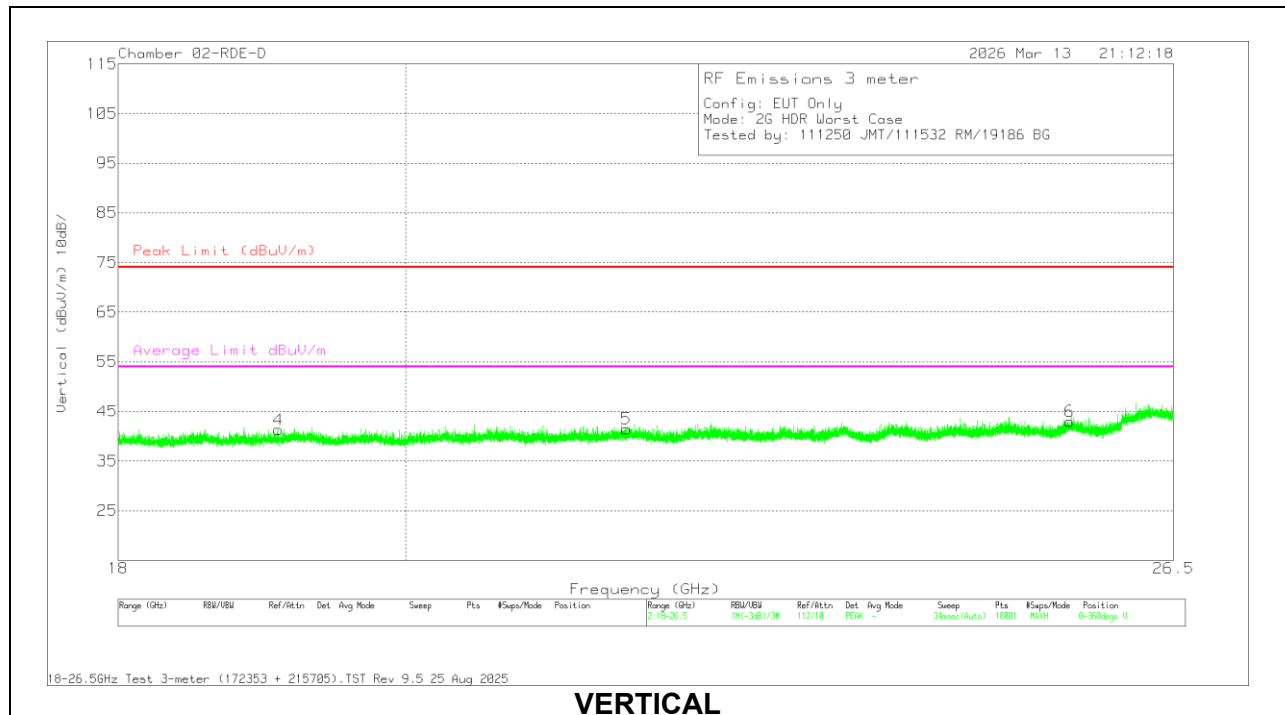
Qp - Quasi-Peak detector

10.3. 18 GHz - 26 GHz – WORST-CASE

SPURIOUS EMISSIONS



HORIZONTAL



VERTICAL

MEASURED DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	172353 ACF (dB/m)	AMP (dB)	Cable (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 19.084163	41.01	MAv1	32.4	-60.9	17.9	1.28	31.69	-	-	54	-22.31	360	200	V
	* 19.085322	53.29	PK2	32.4	-60.9	17.9	0	42.69	74	-31.31	-	-	360	200	V
1	* 19.104673	41.01	MAv1	32.4	-60.9	17.9	1.28	31.69	-	-	54	-22.31	360	101	H
	* 19.109332	52.92	PK2	32.4	-60.9	17.9	0	42.32	74	-31.68	-	-	360	101	H
5	21.682953	39.48	MAv1	32.9	-60.2	19.1	1.28	32.56	-	-	54	-21.44	360	200	V
	21.685746	51.67	PK2	32.9	-60.3	19.1	0	43.37	74	-30.63	-	-	360	200	V
2	21.713886	39.62	MAv1	32.9	-60.3	19.1	1.28	32.6	-	-	-	-	360	200	H
	21.718233	51.25	PK2	32.9	-60.3	19.1	0	42.95	-	-	-	-	360	200	H
6	25.508546	50.82	PK2	33.8	-60.6	21	0	45.02	-	-	-	-	360	101	V
	25.508608	38.7	MAv1	33.8	-60.6	21	1.28	34.18	-	-	-	-	360	101	V
4	25.542342	38.71	MAv1	33.8	-60.6	21	1.28	34.19	-	-	-	-	360	200	H
	25.544016	50.5	PK2	33.8	-60.6	21	0	44.7	-	-	-	-	360	200	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dBμV)	
	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

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.

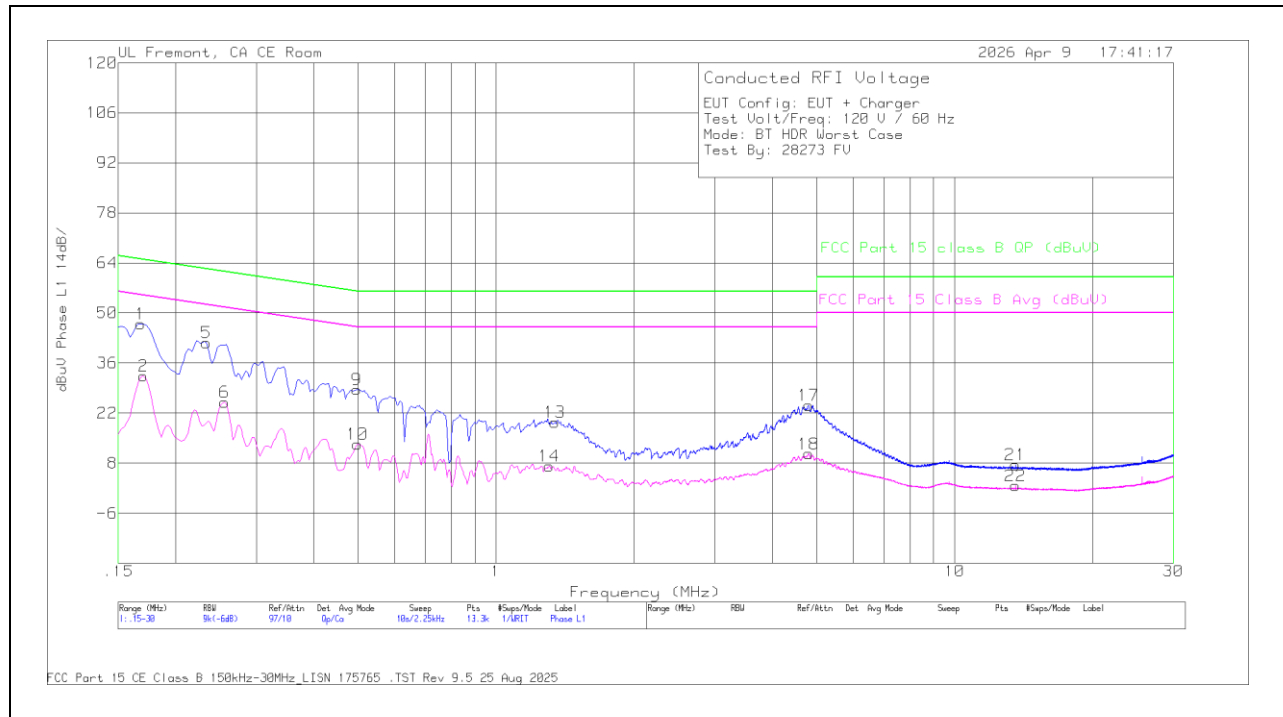
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1. AC POWER LINE WITH AC/DC ADAPTER

LINE 1 RESULTS

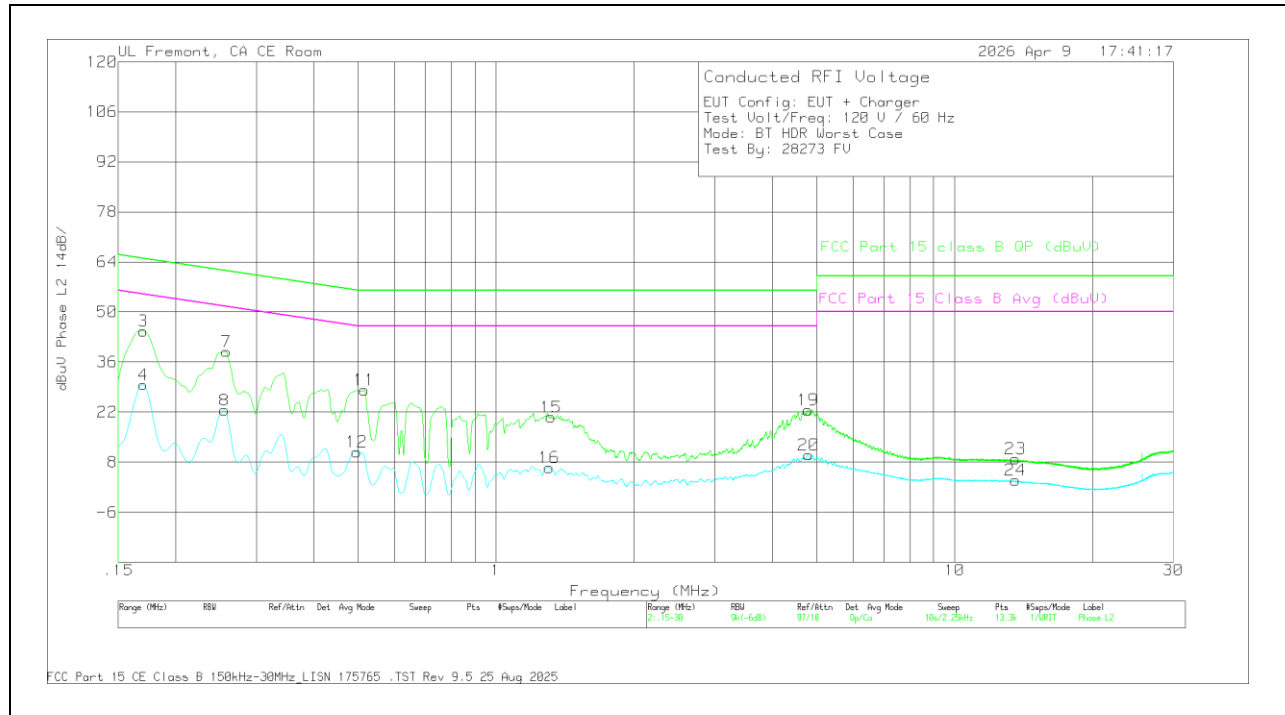


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	10dB Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 Class B QP (dBuV)	Margin (dB)
2	.1703	22.25	Ca	0	.1	10	32.35	54.95	-22.6	-	-
6	.2558	15.04	Ca	0	0	10	25.04	51.57	-26.53	-	-
10	.4988	3.34	Ca	0	0	10	13.34	46.02	-32.68	-	-
14	1.3065	-2.94	Ca	.1	0	10	7.16	46	-38.84	-	-
18	4.8053	.47	Ca	.1	0	10	10.57	46	-35.43	-	-
22	13.56	-8.66	Ca	.2	.1	10	1.64	50	-48.36	-	-
1	.168	36.82	Qp	0	.1	10	46.92	-	-	65.06	-18.14
5	.2333	31.67	Qp	0	0	10	41.67	-	-	62.33	-20.66
9	.4965	18.61	Qp	0	0	10	28.61	-	-	56.06	-27.45
13	1.3425	9.33	Qp	.1	0	10	19.43	-	-	56	-36.57
17	4.8053	14.11	Qp	.1	0	10	24.21	-	-	56	-31.79
21	13.56	-2.78	Qp	.2	.1	10	7.52	-	-	60	-52.48

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS**MEASURED DATA**

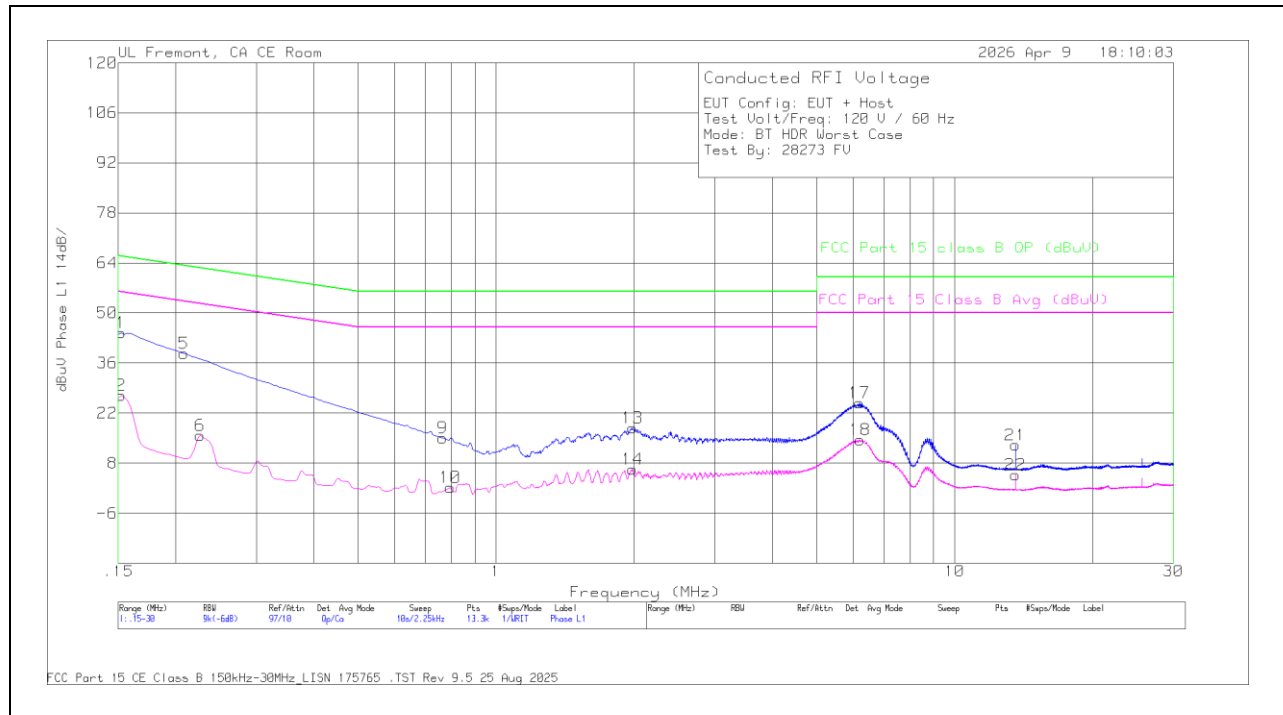
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	10dB Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 Class B QP (dBuV)	Margin (dB)
4	.1703	19.66	Ca	0	0	10	29.66	54.95	-25.29	-	-
8	.2558	12.49	Ca	0	0	10	22.49	51.57	-29.08	-	-
12	.4965	.86	Ca	0	0	10	10.86	46.06	-35.2	-	-
16	1.3065	-3.66	Ca	.1	0	10	6.44	46	-39.56	-	-
20	4.8008	-.07	Ca	.1	0	10	10.03	46	-35.97	-	-
24	13.56	-7.37	Ca	.2	.1	10	2.93	50	-47.07	-	-
3	.1703	34.67	Qp	0	0	10	44.67	-	-	64.95	-20.28
7	.258	28.95	Qp	0	0	10	38.95	-	-	61.5	-22.55
11	.5168	18.24	Qp	0	0	10	28.24	-	-	56	-27.76
15	1.3178	10.46	Qp	.1	0	10	20.56	-	-	56	-35.44
19	4.7873	12.45	Qp	.1	0	10	22.55	-	-	56	-33.45
23	13.56	-1.41	Qp	.2	.1	10	8.89	-	-	60	-51.11

Qp - Quasi-Peak detector

Ca - CISPR average detection

11.2. AC POWER LINE WITH LAPTOP

LINE 1 RESULTS

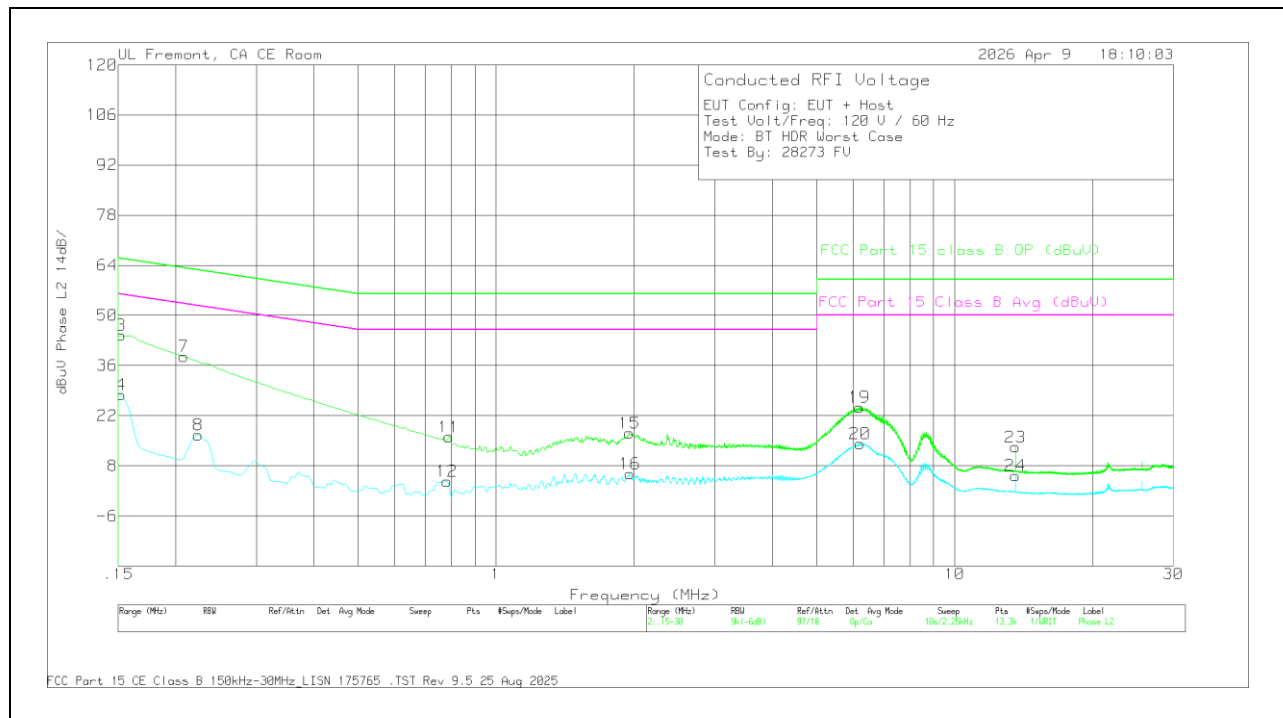


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	10dB Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 Class B QP (dBuV)	Margin (dB)
2	.1523	16.87	Ca	0	.1	10	26.97	55.88	-28.91	-	-
6	.2265	5.76	Ca	0	0	10	15.76	52.58	-36.82	-	-
10	.7935	-8.97	Ca	.1	0	10	1.13	46	-44.87	-	-
14	1.9838	-3.76	Ca	.1	0	10	6.34	46	-39.66	-	-
18	6.2115	4.31	Ca	.2	0	10	14.51	50	-35.49	-	-
22	13.56	-5.6	Ca	.2	.1	10	4.7	50	-45.3	-	-
1	.1523	34.36	Qp	0	.1	10	44.46	-	-	65.88	-21.42
5	.2085	28.65	Qp	0	0	10	38.65	-	-	63.26	-24.61
9	.7643	4.94	Qp	.1	0	10	15.04	-	-	56	-40.96
13	1.9838	7.71	Qp	.1	0	10	17.81	-	-	56	-38.19
17	6.207	14.65	Qp	.2	0	10	24.85	-	-	60	-35.15
21	13.56	2.73	Qp	.2	.1	10	13.03	-	-	60	-46.97

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS**MEASURED DATA**

Marker	Frequency (MHz)	Meter Reading (dBUV)	Det	Cbl (dB)	LISN (dB)	10dB Attenuator (dB)	Corrected Reading (dBUV)	FCC Part 15 Class B Avg (dBUV)	Margin (dB)	FCC Part 15 Class B QP (dBUV)	Margin (dB)
4	.1523	17.79	Ca	0	.1	10	27.89	55.88	-27.99	-	-
8	.2243	6.67	Ca	0	0	10	16.67	52.66	-35.99	-	-
12	.7823	-6.42	Ca	.1	0	10	3.68	46	-42.32	-	-
16	1.959	-4.41	Ca	.1	0	10	5.69	46	-40.31	-	-
20	6.2228	3.91	Ca	.2	0	10	14.11	50	-35.89	-	-
24	13.56	-5.08	Ca	.2	.1	10	5.22	50	-44.78	-	-
3	.1523	34.45	Qp	0	.1	10	44.55	-	-	65.88	-21.33
7	.2085	28.5	Qp	0	0	10	38.5	-	-	63.26	-24.76
11	.789	5.91	Qp	.1	0	10	16.01	-	-	56	-39.99
15	1.9523	6.97	Qp	.1	0	10	17.07	-	-	56	-38.93
19	6.2003	14.07	Qp	.2	0	10	24.27	-	-	60	-35.73
23	13.56	2.9	Qp	.2	.1	10	13.2	-	-	60	-46.8

Qp - Quasi-Peak detector
 Ca - CISPR average detection

12. SETUP PHOTOS

Please refer to 15982167-EP1V1 for setup photos.