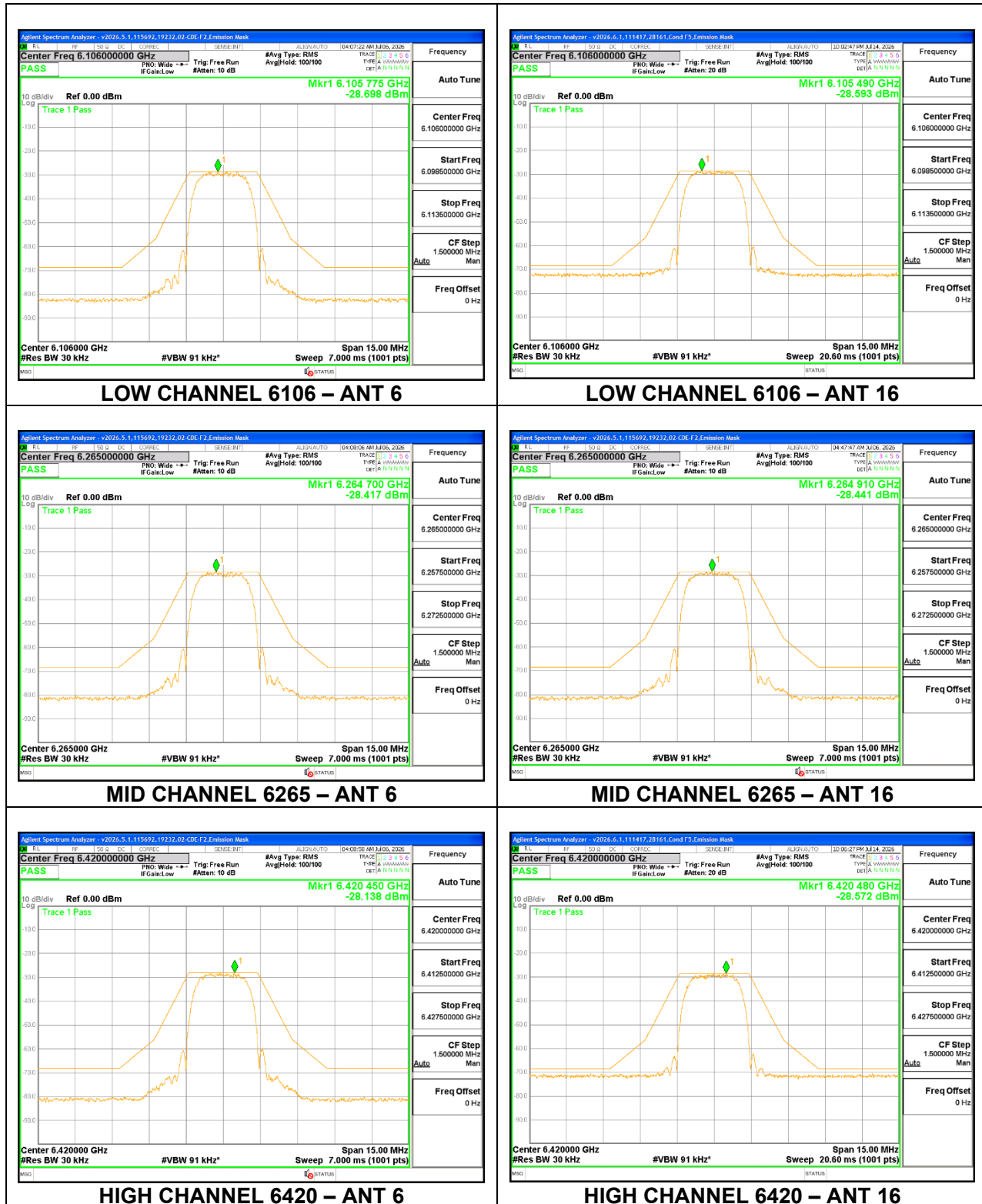
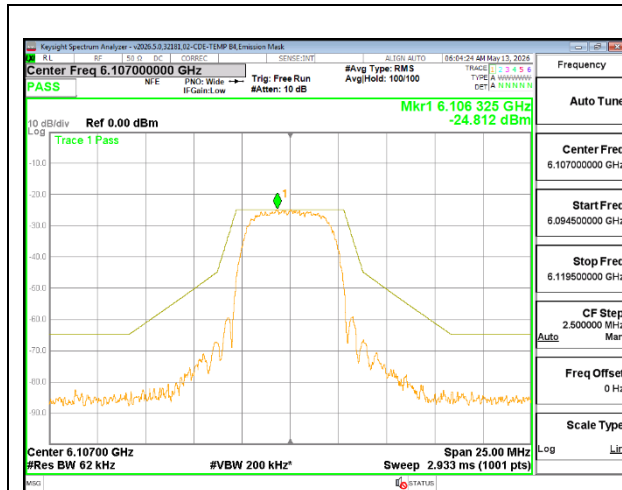
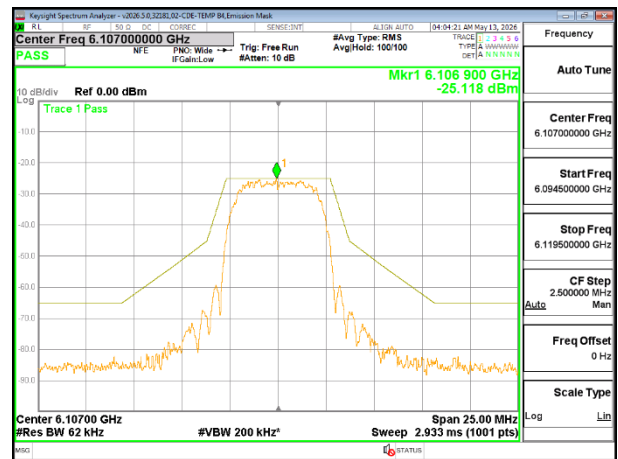
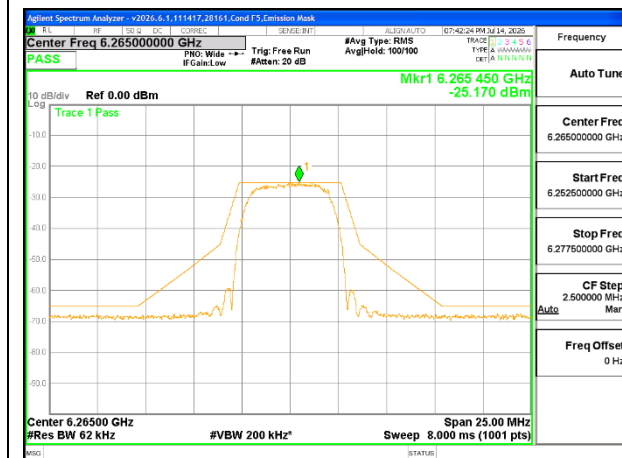
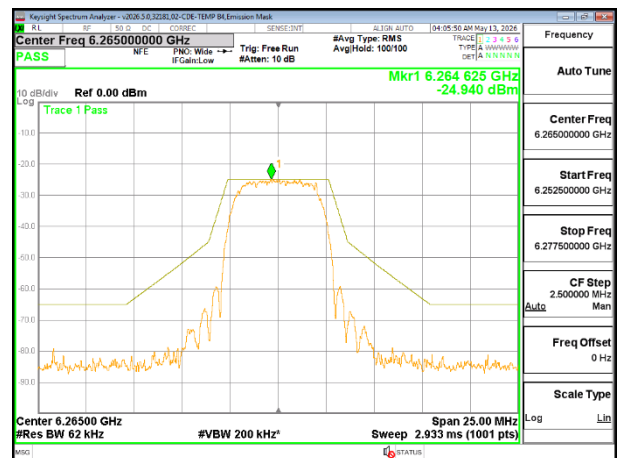
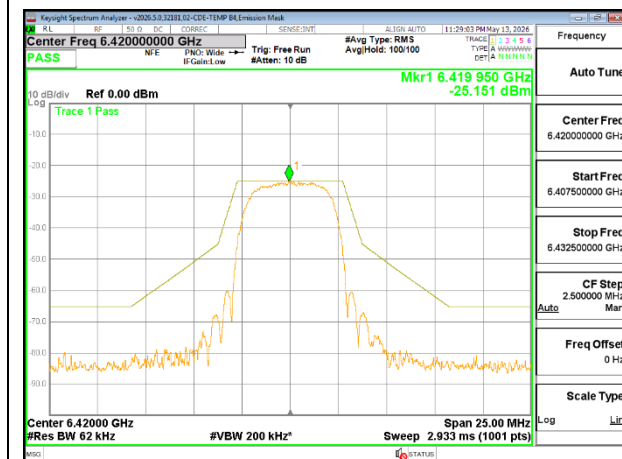
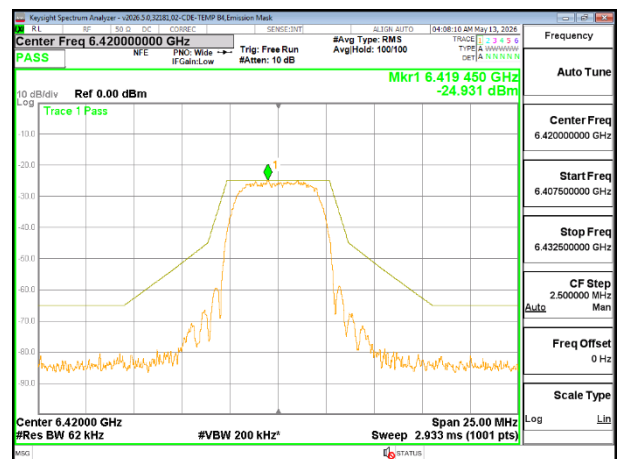
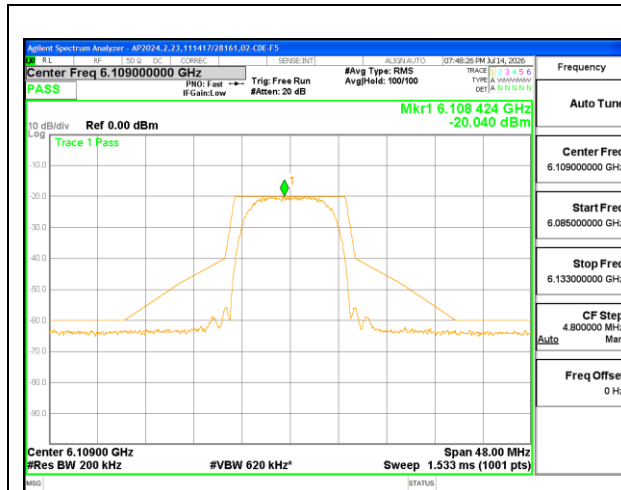
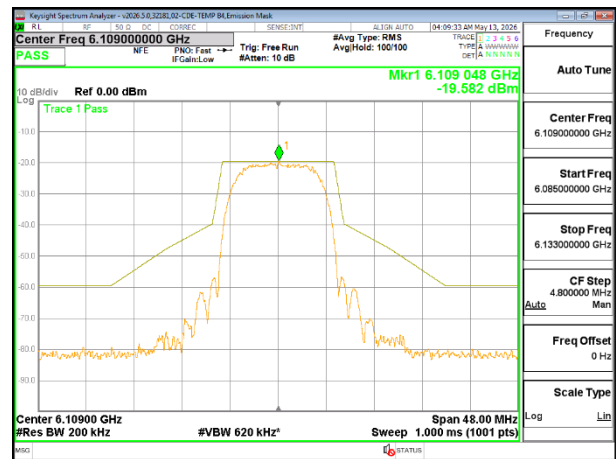
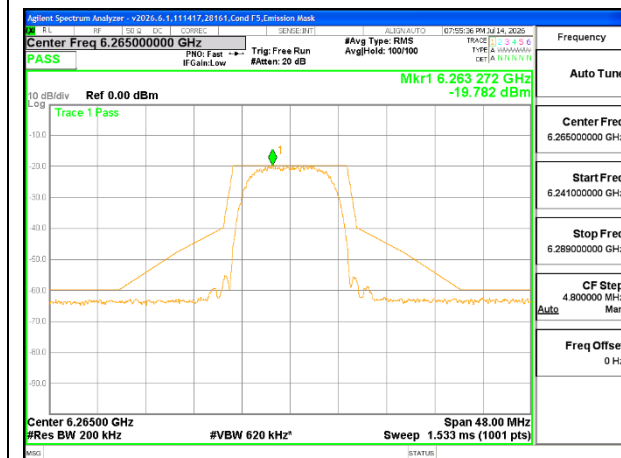
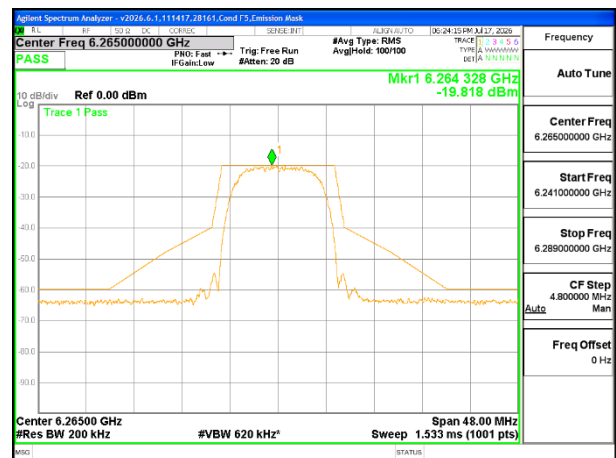
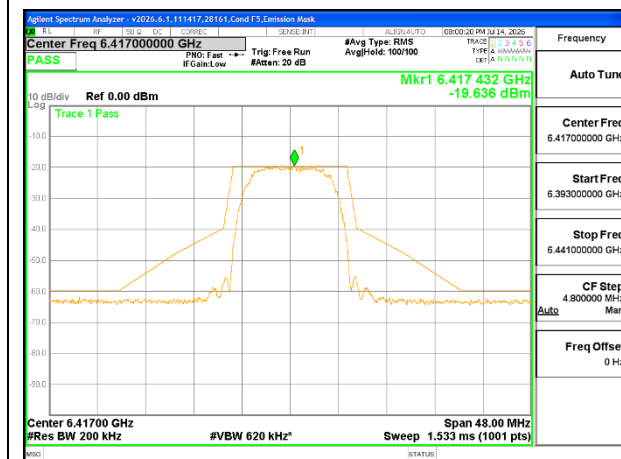
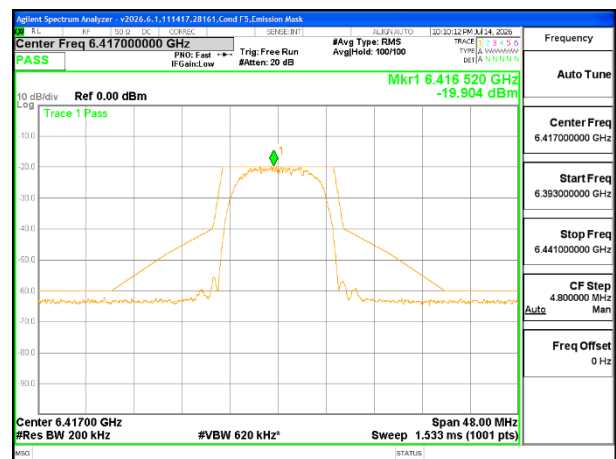


HDRPS2

HDRPM16**LOW CHANNEL 6107 – ANT 6****LOW CHANNEL 6107 – ANT 16****MID CHANNEL 6265 – ANT 6****MID CHANNEL 6265 – ANT 16****HIGH CHANNEL 6420 – ANT 6****HIGH CHANNEL 6420 – ANT 16**

XHDRPL16**LOW CHANNEL 6109 – ANT 6****LOW CHANNEL 6109 – ANT 16****MID CHANNEL 6265 – ANT 6****MID CHANNEL 6265 – ANT 16****HIGH CHANNEL 6417 – ANT 6****HIGH CHANNEL 6417 – ANT 16**

10. VLP TPC

LIMITS

FCC §15.407 (d) (10)

(10) Very low power devices operating in the 5.925-6.425 and 6.525-6.875 GHz bands shall employ a transmit power control (TPC) mechanism. A very low power device is required to have the capability to operate at least 6 dB below the maximum EIRP power spectral density (PSD) value of -5 dBm/MHz.

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a. The maximum e.i.r.p. spectral density shall not exceed -5 dBm/MHz

A very low-power device shall implement transmitter power control in order to have the capability to operate at least 6 dB lower than the maximum e.i.r.p. spectral density limit.

PROCEDURE

This test demonstrates the ability of the device to increase and decrease power by the required 6dB as the RSSI is decreased and increased.

1. Configure EUT and companion device for peer-to-peer communication (refer to section 6.6)
2. Set variable attenuator to 0dB (noise free spectral environment, Low RSSI simulation)
3. Establish a link and start communication between EUT and companion device
4. Capture PSD spectrum analyzer trace (3)
5. Set variable attenuator to 40dB (noisy spectral environment, High RSSI simulation)
6. Capture PSD spectrum analyzer trace (2)
7. Compare the highest PSD from trace (2) to the highest PSD on trace (3) and determine the delta.

SA Settings: 100kHz RBW/ 300kHz VBW

Span: 1.5MHz

Sweep: 1ms, max hold enabled for 100 sweeps with rms detector enabled.

Set up - Refer to Section 6.6. EUT was set to HDRPS2 hopping low power mode.

Companion device used for testing only supports HDRPS2 IPA hopping mode thus that is the mode used for testing.

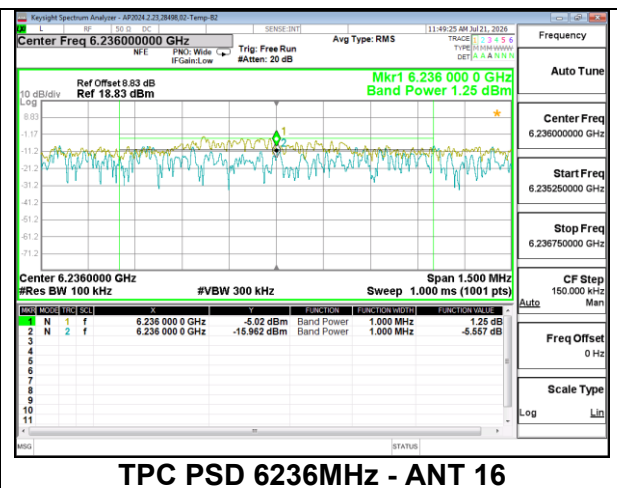
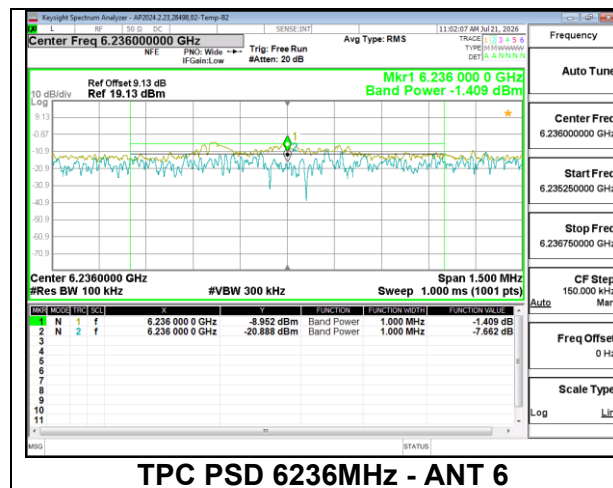
RESULTS

Mode	Antenna 6					Antenna 16				
Frequency (MHz)	Highest Measured PSD EIRP (dBm/MHz)	Trace 2 EIRP PSD (dBm/MHz)	Trace 3 EIRP PSD (dBm/MHz)	Delta (dB)	High RSSI PSD EIRP (dBm/MHz)	Highest Measured PSD EIRP (dBm/MHz)	Trace 2 EIRP PSD (dBm/MHz)	Trace 3 EIRP PSD (dBm/MHz)	Delta (dB)	High RSSI PSD EIRP (dBm/MHz)
6236	-6.031	-7.662	-1.409	6.25	-12.28	-6.384	-3.800	1.250	5.05	-11.43

For the TPC checks the device is operating in its normal (frequency hopping mode). Due to the frequency hopping operations, capturing the absolute rms PSD values is impractical. To show that output power is reduced with the high RSSI to a level at or below -11dBm/MHz the delta between the high RSSI and low RSSI PSD levels measured with the device hopping is applied to the measured maximum PSD for HDRPS2 from section 9.3.1 to show that the PSD at the high RSSI level is at or below -11dBm/MHz. The relative measurements (with the device hopping) are made following ANSI C63.10 section 12.6(e) (RBW < 1MHz and integration over 1MHz) at the center of the channel to reduce the impact from adjacent channels.

The device is compliant because when TPC is on the PSD is less than -11dBm/MHz.

Note: Testing was performed on SISO for BT UNII-5 TPC certification. Please refer to the operation description document regarding BT TxBF TPC.

VLP TPC POWER LEVEL REDUCTION

11. RADIATED TEST RESULTS

LIMITS

FCC §15.35(b)
 FCC §15.205 Restrict bands
 §15.209 and FCC §15.407(b)(6) -Un-Restrict bands

RSS-GEN 8.1
 RSS-GEN 8.9 Un-Restrict bands
 RSS-GEN 8.10 Restrict bands

RSS 248 Issue 3 section 4.6.2a

Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27dBm/MHz rms and -7dBm/MHz Peak.

General field strength limits at frequencies above 30 MHz;

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
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 30 MHz to 1GHz and 18GHz to 40 GHz is investigated with the transmitter set to transmit at the channel with highest output power as worst-case scenario. 1GHz to 18GHz was set to the lowest, middle, and highest channels in the 6 GHz bands.

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.

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

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

Note: The limits in CFR 47, Part 15, Subpart C, paragraph 15.209(a), are identical to those in RSS-Gen section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table), using the 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 has to 15.209(a) limit.

RESULTS

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

11.1. TRANSMITTER OUTSIDE 5.925 - 7.125 GHz, 1- 18GHz

11.1.1. UNII-5 BAND SISO MODE – BANDEDGE – HIGH POWER

UNII-5 (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBm)	Det	ACF (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss	Correct Reading (dBm)	Avg Limit (dBm)	Avg Margin (dB)	Pk Limit (dBm)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR	6106	6	5.899268	-47.65	Pk	34.9	11.8	0	-37.17	-38.12	-	-	-7	-31.12	259	181	H
			5.909868	-59.6	RMS	34.9	11.8	1.18	-37.11	-48.83	-27	-21.83	-	-	259	181	H
			5.925	-49.82	Pk	35	11.8	0	-37.1	-40.12	-	-	-7	-33.12	259	181	H
			5.925	-60.5	RMS	35	11.8	1.18	-37.1	-49.62	-27	-22.62	-	-	259	181	H
			5.901935	-48.05	Pk	34.9	11.8	0	-37.1	-38.45	-	-	-7	-31.45	102	131	V
			5.924335	-59.88	RMS	35	11.8	1.18	-37.1	-49	-27	-22	-	-	102	131	V
			5.925	-50.02	Pk	35	11.8	0	-37.1	-40.32	-	-	-7	-33.32	102	131	V
			5.925	-60.57	RMS	35	11.8	1.18	-37.1	-49.69	-27	-22.69	-	-	102	131	V
		16	5.874601	-59.46	RMS	34.8	11.8	1.18	-37.2	-48.88	-27	-21.88	-	-	324	101	H
			5.903535	-47.41	Pk	34.9	11.8	0	-37.2	-37.91	-	-	-7	-30.91	324	101	H
			5.925	-50.3	Pk	35	11.8	0	-37.1	-40.6	-	-	-7	-33.6	324	101	H
			5.925	-60.16	RMS	35	11.8	1.18	-37.1	-49.28	-27	-22.28	-	-	324	101	H
			5.905068	-47.43	Pk	34.9	11.8	0	-37.2	-37.93	-	-	-7	-30.93	329	101	V
			5.922001	-59.99	RMS	35	11.8	1.18	-37.1	-49.11	-27	-22.11	-	-	329	101	V
			5.925	-49.43	Pk	35	11.8	0	-37.1	-39.73	-	-	-7	-32.73	329	101	V
			5.925	-60.65	RMS	35	11.8	1.18	-37.1	-49.77	-27	-22.77	-	-	329	101	V
LE1M	6106	6	5.879735	-47.66	Pk	34.8	11.8	0	-37.3	-38.36	-	-	-7	-31.36	257	216	H
			5.888335	-59.44	RMS	34.9	11.8	0.71	-37.2	-49.23	-27	-22.23	-	-	257	216	H
			5.925	-50.25	Pk	35	11.8	0	-37.1	-40.55	-	-	-7	-33.55	257	216	H
			5.925	-60.88	RMS	35	11.8	0.71	-37.1	-50.47	-27	-23.47	-	-	257	216	H
			5.836601	-47.44	Pk	34.7	11.8	0	-37.3	-38.24	-	-	-7	-31.24	101	134	V
			5.921468	-59.95	RMS	35	11.8	0.71	-37.1	-49.54	-27	-22.54	-	-	101	134	V
			5.925	-50.19	Pk	35	11.8	0	-37.1	-40.49	-	-	-7	-33.49	101	134	V
			5.925	-60.66	RMS	35	11.8	0.71	-37.1	-50.25	-27	-23.25	-	-	101	134	V
		16	5.920068	-47.8	Pk	35	11.8	0	-37.1	-38.1	-	-	-7	-31.1	235	101	H
			5.922001	-59.53	RMS	35	11.8	0.71	-37.1	-49.12	-27	-22.12	-	-	235	101	H
			5.925	-50.99	Pk	35	11.8	0	-37.1	-41.29	-	-	-7	-34.29	235	101	H
			5.925	-60.9	RMS	35	11.8	0.71	-37.1	-50.49	-27	-23.49	-	-	235	101	H
			5.900935	-47.15	Pk	34.9	11.8	0	-37.1	-37.55	-	-	-7	-30.55	234	214	V
			5.922668	-59.89	RMS	35	11.8	0.71	-37.1	-49.48	-27	-22.48	-	-	234	214	V
			5.925	-49.67	Pk	35	11.8	0	-37.1	-39.97	-	-	-7	-32.97	234	214	V
			5.925	-60.81	RMS	35	11.8	0.71	-37.1	-50.4	-27	-23.4	-	-	234	214	V
LE2M	6106	6	5.896135	-47.75	Pk	34.9	11.8	0	-37.2	-38.25	-	-	-7	-31.25	248	212	H
			5.910535	-59.3	RMS	34.9	11.8	2.46	-37.1	-47.24	-27	-20.24	-	-	248	212	H
			5.925	-49.58	Pk	35	11.8	0	-37.1	-39.88	-	-	-7	-32.88	248	212	H
			5.925	-60.58	RMS	35	11.8	2.46	-37.1	-48.42	-27	-21.42	-	-	248	212	H
			5.900201	-59.84	RMS	34.9	11.8	2.46	-37.1	-47.78	-27	-20.78	-	-	95	142	V
			5.902601	-48.04	Pk	34.9	11.8	0	-37.16	-38.5	-	-	-7	-31.5	95	142	V
			5.925	-50.1	Pk	35	11.8	0	-37.1	-40.4	-	-	-7	-33.4	95	142	V
			5.925	-61.27	RMS	35	11.8	2.46	-37.1	-49.11	-27	-22.11	-	-	95	142	V
		16	5.852201	-47.58	Pk	34.7	11.8	0	-37.3	-38.38	-	-	-7	-31.38	238	213	H
			5.922068	-59.79	RMS	35	11.8	2.46	-37.1	-47.63	-27	-20.63	-	-	238	213	H
			5.925	-49.74	Pk	35	11.8	0	-37.1	-40.04	-	-	-7	-33.04	238	213	H
			5.925	-60.67	RMS	35	11.8	2.46	-37.1	-48.51	-27	-21.51	-	-	238	213	H
			5.866268	-47.55	Pk	34.8	11.8	0	-37.2	-38.15	-	-	-7	-31.15	177	363	V
			5.909335	-59.81	RMS	34.9	11.8	2.46	-37.17	-47.82	-27	-20.82	-	-	177	363	V
			5.925	-49.91	Pk	35	11.8	0	-37.1	-40.21	-	-	-7	-33.21	177	363	V
			5.925	-61.05	RMS	35	11.8	2.46	-37.1	-48.89	-27	-21.89	-	-	177	363	V
HDT4	6106	6	5.816868	-47.31	Pk	34.6	11.8	0	-37.3	-38.21	-	-	-7	-31.21	269	218	H
			5.888668	-59.62	RMS	34.9	11.8	0.3	-37.2	-49.82	-27	-22.82	-	-	269	218	H
			5.925	-49.95	Pk	35	11.8	0	-37.1	-40.25	-	-	-7	-33.25	269	218	H
			5.925	-60.19	RMS	35	11.8	0.3	-37.1	-50.19	-27	-23.19	-	-	269	218	H
			5.842268	-47.72	Pk	34.7	11.8	0	-37.3	-38.52	-	-	-7	-31.52	101	142	V
			5.920401	-60.03	RMS	35	11.8	0.3	-37.1	-50.03	-27	-23.03	-	-	101	142	V
			5.925	-50.47	Pk	35	11.8	0	-37.1	-40.77	-	-	-7	-33.77	101	142	V
			5.925	-61	RMS	35	11.8	0.3	-37.1	-51	-27	-24	-	-	101	142	V
		16	5.912335	-59.43	RMS	34.9	11.8	0.3	-37.1	-49.53	-27	-22.53	-	-	233	119	H
			5.921335	-47.66	Pk	35	11.8	0	-37.1	-37.96	-	-	-7	-30.96	233	119	H
			5.925	-49.4	Pk	35	11.8	0	-37.1	-39.7	-	-	-7	-32.7	233	119	H
			5.925	-60.32	RMS	35	11.8	0.3	-37.1	-50.32	-27	-23.32	-	-	233	119	H
			5.841934	-47.41	Pk	34.7	11.8	0	-37.3	-38.21	-	-	-7	-31.21	339	326	V
			5.902601	-59.88	RMS	34.9	11.8	0.3	-37.16	-50.04	-27	-23.04	-	-	339	326	V
			5.925	-49.6	Pk	35	11.8	0	-37.1	-39.9	-	-	-7	-32.9	339	326	V
			5.925	-60.91	RMS	35	11.8	0.3	-37.1	-50.91	-27	-23.91	-	-	339	326	V

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

Pk - Peak detector

RMS - RMS detection

UNII-5 (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBm)	Det	ACF (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Correct Reading (dBm)	Avg Limit (dBm)	Avg Margin (dB)	Pk Limit (dBm)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDRPS2	6106	6	5.925	-52.11	Pk	35.1	11.8	0	-34.36	-39.57	-	-	-7	-32.57	9	258	H
			5.861335	-49.28	Pk	34.9	11.8	0	-34.4	-36.98	-	-	-7	-29.98	9	258	H
			5.925	-62.4	RMS	35.1	11.8	0.34	-34.36	-49.52	-27	-22.52	-	-	9	258	H
			5.747001	-61.28	RMS	34.6	11.8	0.34	-34.4	-48.94	-27	-21.94	-	-	9	258	H
			5.925	-52.63	Pk	35.1	11.8	0	-34.36	-40.09	-	-	-7	-33.09	250	308	V
			5.707534	-48.9	Pk	34.6	11.8	0	-34.43	-36.93	-	-	-7	-29.93	250	308	V
		16	5.925	-62.75	RMS	35.1	11.8	0.34	-34.36	-49.87	-27	-22.87	-	-	250	308	V
			5.813134	-61.29	RMS	34.8	11.8	0.34	-34.4	-48.75	-27	-21.75	-	-	250	308	V
			5.775267	-46.86	Pk	34.5	11.8	0	-37.5	-38.06	-	-	-7	-31.06	239	211	H
			5.922335	-59.73	RMS	35	11.8	0.34	-37.1	-49.69	-27	-22.69	-	-	239	211	H
			5.925	-48.9	Pk	35	11.8	0	-37.1	-39.2	-	-	-7	-32.2	239	211	H
			5.925	-60.79	RMS	35	11.8	0.34	-37.1	-50.75	-27	-23.75	-	-	239	211	H
			5.901868	-47.39	Pk	34.9	11.8	0	-37.1	-37.79	-	-	-7	-30.79	172	206	V
			5.913935	-59.9	RMS	34.9	11.8	0.34	-37.1	-49.96	-27	-22.96	-	-	172	206	V
			5.925	-49.74	Pk	35	11.8	0	-37.1	-40.04	-	-	-7	-33.04	172	206	V
			5.925	-61.45	RMS	35	11.8	0.34	-37.1	-51.41	-27	-24.41	-	-	172	206	V
HDRPM16	6107	6	5.925	-52.28	Pk	35.1	11.8	0	-34.36	-39.74	-	-	-7	-32.74	196	275	H
			5.886135	-49.49	Pk	35	11.8	0	-34.4	-37.09	-	-	-7	-30.09	196	275	H
			5.925	-62.52	RMS	35.1	11.8	0.69	-34.36	-49.29	-27	-22.29	-	-	196	275	H
			5.7164	-61.21	RMS	34.6	11.8	0.69	-34.42	-48.54	-27	-21.54	-	-	196	275	H
			5.925	-52.53	Pk	35.1	11.8	0	-34.36	-39.99	-	-	-7	-32.99	83	249	V
			5.907335	-49.48	Pk	35	11.8	0	-34.38	-37.06	-	-	-7	-30.06	83	249	V
		16	5.925	-62.74	RMS	35.1	11.8	0.69	-34.36	-49.51	-27	-22.51	-	-	83	249	V
			5.7098	-61.17	RMS	34.6	11.8	0.69	-34.43	-48.51	-27	-21.51	-	-	83	249	V
			5.880868	-47.67	Pk	34.8	11.8	0	-37.21	-38.28	-	-	-7	-31.28	232	103	H
			5.920335	-60.09	RMS	35	11.8	0.69	-37.1	-49.7	-27	-22.7	-	-	232	103	H
			5.925	-50.09	Pk	35	11.8	0	-37.1	-40.39	-	-	-7	-33.39	232	103	H
			5.925	-60.07	RMS	35	11.8	0.69	-37.1	-49.68	-27	-22.68	-	-	232	103	H
			5.920601	-59.72	RMS	35	11.8	0.69	-37.1	-49.33	-27	-22.33	-	-	336	133	V
			5.922268	-48	Pk	35	11.8	0	-37.1	-38.3	-	-	-7	-31.3	336	133	V
			5.925	-50.33	Pk	35	11.8	0	-37.1	-40.63	-	-	-7	-33.63	336	133	V
			5.925	-60.99	RMS	35	11.8	0.69	-37.1	-50.6	-27	-23.6	-	-	336	133	V
XHDRPL16	6109	6	5.925	-51.58	Pk	35.1	11.8	0	-34.73	-39.41	-	-	-7	-32.41	177	250	H
			5.670467	-48.04	Pk	34.7	11.8	0	-35.06	-36.6	-	-	-7	-29.6	177	250	H
			5.925	-61.6	RMS	35.1	11.8	0.23	-34.73	-49.2	-27	-22.2	-	-	177	250	H
			5.904201	-60.73	RMS	35.1	11.8	0.23	-34.71	-48.31	-27	-21.31	-	-	177	250	H
			5.925	-51.25	Pk	35.1	11.8	0	-34.73	-39.08	-	-	-7	-32.08	58	309	V
			5.920268	-48.29	Pk	35.1	11.8	0	-34.66	-36.05	-	-	-7	-29.05	58	309	V
		16	5.925	-62.58	RMS	35.1	11.8	0.23	-34.73	-50.18	-27	-23.18	-	-	58	309	V
			5.909335	-60.82	RMS	35.1	11.8	0.23	-34.76	-48.45	-27	-21.45	-	-	58	309	V
			5.861935	-47.19	Pk	34.8	11.8	0	-37.29	-37.88	-	-	-7	-30.88	232	103	H
			5.918935	-59.56	RMS	34.9	11.8	0.23	-37.1	-49.73	-27	-22.73	-	-	232	103	H
			5.925	-49.53	Pk	35	11.8	0	-37.1	-39.83	-	-	-7	-32.83	232	103	H
			5.925	-60	RMS	35	11.8	0.23	-37.1	-50.07	-27	-23.07	-	-	232	103	H
			5.914668	-48.23	Pk	34.9	11.8	0	-37.1	-38.63	-	-	-7	-31.63	168	164	V
			5.923935	-59.84	RMS	35	11.8	0.23	-37.1	-49.91	-27	-22.91	-	-	168	164	V
			5.925	-50.69	Pk	35	11.8	0	-37.1	-40.99	-	-	-7	-33.99	168	164	V
			5.925	-61.26	RMS	35	11.8	0.23	-37.1	-51.33	-27	-24.33	-	-	168	164	V

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

Pk - Peak detector

RMS - RMS detection

11.1.2. UNII-5 BAND MIMO MODE – BANDEDGE – HIGH POWER

UNII-5 (MIMO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBm)	Det	ACF (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Correct Reading (dBm)	Avg Limit (dBm)	Avg Margin (dB)	Pk Limit (dBm)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR	6106	6 + 16	5.925	-59.33	Pk	35.2	11.8	0	-33	-45.33	-	-	-7	-38.33	80	210	H
			5.711934	-55.97	Pk	34.8	11.8	0	-33.4	-42.77	-	-	-7	-35.77	80	210	H
			5.925	-69.06	RMS	35.2	11.8	1.18	-33	-53.88	-27	-26.88	-	-	80	210	H
			5.919201	-68.57	RMS	35.2	11.8	1.18	-33	-53.39	-27	-26.39	-	-	80	210	H
			5.925	-58.54	Pk	35.2	11.8	0	-33	-44.54	-	-	-7	-37.54	66	135	V
			5.910001	-55.85	Pk	35.2	11.8	0	-33	-41.85	-	-	-7	-34.85	66	135	V
			5.925	-69.48	RMS	35.2	11.8	1.18	-33	-54.3	-27	-27.3	-	-	66	135	V
			5.811334	-67.64	RMS	34.9	11.8	1.18	-33.2	-52.96	-27	-25.96	-	-	66	135	V
LE1M	6106	6 + 16	5.925	-58.85	Pk	35.2	11.8	0	-33	-44.85	-	-	-7	-37.85	170	102	H
			5.895401	-56.02	Pk	35.1	11.8	0	-33	-42.12	-	-	-7	-35.12	170	102	H
			5.925	-68.91	RMS	35.2	11.8	0.71	-33	-54.2	-27	-27.2	-	-	170	102	H
			5.921068	-67.92	RMS	35.2	11.8	0.71	-33	-53.21	-27	-26.21	-	-	170	102	H
			5.925	-58.34	Pk	35.2	11.8	0	-33	-44.34	-	-	-7	-37.34	104	171	V
			5.905668	-56.04	Pk	35.1	11.8	0	-33	-42.14	-	-	-7	-35.14	104	171	V
			5.925	-69.44	RMS	35.2	11.8	0.71	-33	-54.73	-27	-27.73	-	-	104	171	V
			5.917135	-67.95	RMS	35.2	11.8	0.71	-33	-53.24	-27	-26.24	-	-	104	171	V
LE2M	6106	6 + 16	5.925	-59.11	Pk	35.2	11.8	0	-33	-45.11	-	-	-7	-38.11	75	206	H
			5.804868	-55.63	Pk	34.9	11.8	0	-33.2	-42.13	-	-	-7	-35.13	75	206	H
			5.925	-71.18	RMS	35.2	11.8	2.46	-33	-54.72	-27	-27.72	-	-	75	206	H
			5.915601	-70.77	RMS	35.2	11.8	2.46	-33	-54.31	-27	-27.31	-	-	75	206	H
			5.925	-59.05	Pk	35.2	11.8	0	-33	-45.05	-	-	-7	-38.05	75	206	V
			5.839334	-56.53	Pk	35	11.8	0	-33.1	-42.83	-	-	-7	-35.83	75	206	V
			5.925	-69.59	RMS	35.2	11.8	2.46	-33	-53.13	-27	-26.13	-	-	75	206	V
			5.863335	-68.43	RMS	35	11.8	2.46	-33	-52.17	-27	-25.17	-	-	75	206	V
HDT4	6106	6 + 16	5.925	-50.54	Pk	35.3	11.8	0	-34.74	-38.18	-	-	-7	-31.18	332	237	H
			5.824068	-48.84	Pk	35.1	11.8	0	-34.94	-36.88	-	-	-7	-29.88	332	237	H
			5.925	-62.17	RMS	35.3	11.8	0.3	-34.74	-49.51	-27	-22.51	-	-	332	237	H
			5.922468	-61.4	RMS	35.3	11.8	0.3	-34.74	-48.74	-27	-21.74	-	-	332	237	H
			5.925	-51.99	Pk	35.3	11.8	0	-34.74	-39.63	-	-	-7	-32.63	265	185	V
			5.854401	-49	Pk	35.2	11.8	0	-34.85	-36.85	-	-	-7	-29.85	265	185	V
			5.925	-62.85	RMS	35.3	11.8	0.3	-34.74	-50.19	-27	-23.19	-	-	265	185	V
			5.780001	-61.1	RMS	35.1	11.8	0.3	-35.01	-48.91	-27	-21.91	-	-	265	185	V
HDRPS2	6106	6 + 16	5.893135	-49.64	Pk	35.1	11.8	0	-31.94	-34.68	-	-	-7	-27.68	138	200	H
			5.903068	-62.28	RMS	35.1	11.8	0.34	-31.92	-46.96	-27	-19.96	-	-	138	200	H
			5.925	-51.4	Pk	35.1	11.8	0	-31.9	-36.4	-	-	-7	-29.4	138	200	H
			5.925	-62.79	RMS	35.1	11.8	0.34	-31.9	-47.45	-27	-20.45	-	-	138	200	H
			5.850068	-50.25	Pk	35	11.8	0	-31.92	-35.37	-	-	-7	-28.37	71	155	V
			5.877268	-62.13	RMS	35	11.8	0.34	-31.95	-46.94	-27	-19.94	-	-	71	155	V
			5.925	-52.48	Pk	35.1	11.8	0	-31.9	-37.48	-	-	-7	-30.48	71	155	V
			5.925	-63.16	RMS	35.1	11.8	0.34	-31.9	-47.82	-27	-20.82	-	-	71	155	V
HDRPM16	6107	6 + 16	5.925	-50.28	Pk	35.4	11.8	0	-37.1	-40.18	-	-	-7	-33.18	88	107	H
			5.729867	-47.62	Pk	35.1	11.8	0	-37.6	-38.32	-	-	-7	-31.32	88	107	H
			5.925	-60.84	RMS	35.4	11.8	0.69	-37.1	-50.05	-27	-23.05	-	-	88	107	H
			5.897601	-59.78	RMS	35.4	11.8	0.69	-37.2	-49.09	-27	-22.09	-	-	88	107	H
			5.925	-51.09	Pk	35.4	11.8	0	-37.1	-40.99	-	-	-7	-33.99	21	158	V
			5.876468	-47.76	Pk	35.4	11.8	0	-37.3	-37.86	-	-	-7	-30.86	21	158	V
			5.925	-61.13	RMS	35.4	11.8	0.69	-37.1	-50.34	-27	-23.34	-	-	21	158	V
			5.868868	-60.09	RMS	35.4	11.8	0.69	-37.3	-49.5	-27	-22.5	-	-	21	158	V
XHDRPL16	6109	6 + 16	5.925	-51.33	Pk	35.3	11.8	0	-34.74	-38.97	-	-	-7	-31.97	337	120	H
			5.882601	-48.88	Pk	35.2	11.8	0	-34.91	-36.79	-	-	-7	-29.79	337	120	H
			5.925	-62.92	RMS	35.3	11.8	0.23	-34.74	-50.33	-27	-23.33	-	-	337	120	H
			5.849334	-60.99	RMS	35.1	11.8	0.23	-34.85	-48.71	-27	-21.71	-	-	337	120	H
			5.925	-52.22	Pk	35.3	11.8	0	-34.74	-39.86	-	-	-7	-32.86	250	192	V
			5.721334	-49.07	Pk	35.1	11.8	0	-35.05	-37.22	-	-	-7	-30.22	250	192	V
			5.925	-62.59	RMS	35.3	11.8	0.23	-34.74	-50	-27	-23	-	-	250	192	V
			5.769534	-61.21	RMS	35.1	11.8	0.23	-35.03	-49.11	-27	-22.11	-	-	250	192	V

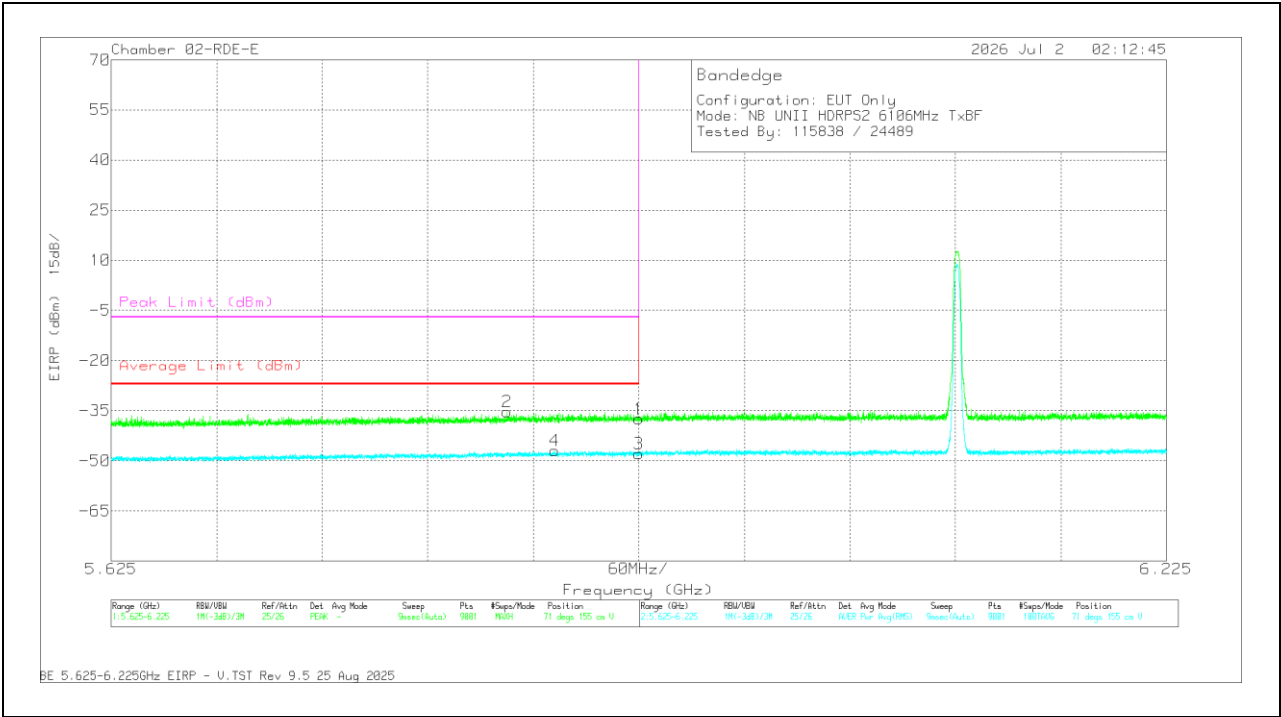
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

WORST-CASE BANDEDGE (LOW CHANNEL / 6106MHz)
MIMO TXBF / HIGH POWER / HDRPS2 MODE:

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	200897 ACF (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading EIRP (dBm)	Average Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.850068	-50.25	PK	35	11.8	0	-31.92	-35.37	-	-	-7	-28.37	71	155	V
4	5.877268	-62.13	RMS	35	11.8	.33	-31.95	-46.95	-27	-19.95	-	-	71	155	V
1	5.925	-52.48	PK	35.1	11.8	0	-31.9	-37.48	-	-	-7	-30.48	71	155	V
3	5.925	-63.16	RMS	35.1	11.8	.33	-31.9	-47.83	-27	-20.83	-	-	71	155	V

PK - Peak detector
RMS - RMS detection

11.1.3. UNII-5 BAND MIMO TXBF MODE - SPURIOUS EMISSIONS – HIGH POWER

UNII-5 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	DCCF (dB)	Amp/Cbl/ Ftr/Pad (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR	6106	6 + 16	* 3.598535	57.91	PK-U	33.8	0	-47.1	44.61	-	-	88.2	-43.59	0	101	H
			* 3.600223	45.97	ADR	33.8	1.18	-47.1	33.85	54	-20.15	-	-	0	101	H
			* 3.596115	59	PK-U	33.8	0	-47.2	45.6	-	-	88.2	-42.6	0	200	V
			* 3.598945	46.28	ADR	33.8	1.18	-47.1	34.16	68.2	-34.04	-	-	0	200	V
			* 7.682148	58.91	PK-U	35.7	0	-36.2	58.41	-	-	74	-15.59	0	200	H
			* 7.685181	47.07	ADR	35.7	1.18	-36.2	47.75	54	-6.25	-	-	0	200	H
			* 7.695421	59.24	PK-U	35.7	0	-36.1	58.84	-	-	74	-15.16	0	200	V
			* 7.690135	47.15	ADR	35.7	1.18	-36.11	47.92	54	-6.08	-	-	0	200	V
			* 15.731854	52.59	PK-U	41.2	0	-41.2	52.59	-	-	74	-21.41	0	101	H
			* 15.762551	41.1	ADR	41.2	1.18	-41.2	42.28	54	-11.72	-	-	0	101	H
			* 15.758668	52.63	PK-U	41.2	0	-41.1	52.73	-	-	74	-21.27	0	101	V
			* 15.76134	41.15	ADR	41.2	1.18	-41.13	42.4	54	-11.6	-	-	0	101	V
	6265	6 + 16	* 4.908658	59.25	PK-U	34.3		-47.3	46.25	-	-	74	-27.75	0	200	H
			* 4.882612	47.23	ADR	34.3	1.18	-47.7	35.01	54	-18.99	-	-	0	200	H
			* 4.878434	59.49	PK-U	34.3		-47.7	46.09	-	-	74	-27.91	0	200	V
			* 4.880798	47.1	ADR	34.3	1.18	-47.62	34.96	54	-19.04	-	-	0	200	V
			* 7.658532	59.3	PK-U	35.7		-36.05	58.95	-	-	74	-15.05	0	101	H
			* 7.666911	47.05	ADR	35.7	1.18	-36.1	47.83	54	-6.17	-	-	0	101	H
			* 7.676761	59.72	PK-U	35.7		-36.1	59.32	-	-	74	-14.68	0	200	V
			* 7.693438	47.23	ADR	35.7	1.18	-36.14	47.97	54	-6.03	-	-	0	200	V
			* 11.055016	56.04	PK-U	37.6		-43.8	49.84	-	-	74	-24.16	0	200	H
			* 11.068747	44.39	ADR	37.6	1.18	-43.2	39.97	54	-14.03	-	-	0	200	H
			* 11.077422	56.73	PK-U	37.6		-43.2	51.13	-	-	74	-22.87	0	200	V
			* 11.071202	44.47	ADR	37.6	1.18	-43.2	40.05	54	-13.95	-	-	0	200	V
	6420	6 + 16	* 4.869394	59	PK-U	34.3		-47.7	45.6	-	-	74	-28.4	0	200	H
			* 4.851547	47.38	ADR	34.3	1.18	-47.9	34.96	54	-19.04	-	-	0	200	H
			* 4.861938	59.46	PK-U	34.3		-47.9	45.86	-	-	74	-28.14	0	200	V
			* 4.84934	47.3	ADR	34.3	1.18	-47.9	34.88	54	-19.12	-	-	0	200	V
			* 7.696483	59.17	PK-U	35.7		-36.15	58.72	-	-	74	-15.28	0	101	H
			* 7.711034	47.05	ADR	35.7	1.18	-36.1	47.83	54	-6.17	-	-	0	101	H
			* 7.713217	59.08	PK-U	35.7		-36.1	58.68	-	-	74	-15.32	0	101	V
			* 7.703825	47.38	ADR	35.7	1.18	-36.1	48.16	54	-5.84	-	-	0	101	V
			* 15.504569	54.34	PK-U	41		-41.1	54.24	-	-	74	-19.76	0	200	H
			* 15.518587	41.72	ADR	41	1.18	-41.14	42.76	54	-11.24	-	-	0	200	H
			* 15.499237	53.61	PK-U	41		-41.2	53.41	-	-	74	-20.59	0	101	V
			* 15.483783	41.8	ADR	40.9	1.18	-41.3	42.58	54	-11.42	-	-	0	101	V
LE1M	6106	6 + 16	* 12.235944	53.72	PK-U	38.9	0	-41.85	50.77	-	-	74	-23.23	360	101	H
			* 12.231996	41.8	ADR	38.9	0.71	-41.8	39.61	54	-14.39	-	-	360	101	H
			* 17.702814	53.52	PK-U	41.6	0	-39.64	55.48	-	-	74	-18.52	360	101	H
			* 17.70883	41.52	ADR	41.6	0.71	-39.46	44.37	54	-9.63	-	-	360	101	H
			* 12.252106	53.48	PK-U	38.9	0	-41.89	50.49	-	-	74	-23.51	360	200	V
			* 12.227957	41.78	ADR	38.9	0.71	-41.82	39.57	54	-14.43	-	-	360	200	V
			* 17.711881	41.19	ADR	41.6	0.71	-39.53	43.97	54	-10.03	-	-	360	200	V
			3.02371	56.5	PK-U	32.9	0	-45.53	43.87	-	-	88.2	-44.33	360	200	V
			3.024114	44.35	ADR	32.9	0.71	-45.53	32.43	68.2	-35.77	-	-	360	200	V
			3.032953	44.21	ADR	32.9	0.71	-45.53	32.29	68.2	-35.91	-	-	360	101	H
			3.044548	56.04	PK-U	33	0	-45.59	43.45	-	-	88.2	-44.75	360	101	H
			17.698503	52.71	PK-U	41.5	0	-39.57	54.64	-	-	88.2	-33.56	360	200	V
	6265	6 + 16	* 12.543709	53.95	PK-U	39.1	0	-41.45	51.6	-	-	74	-22.4	0	101	H
			* 12.526026	41.44	ADR	39	0.71	-41.34	39.81	54	-14.19	-	-	0	101	H
			* 12.521807	52.99	PK-U	39	0	-41.39	50.6	-	-	74	-23.4	0	200	V
			* 12.516619	41.31	ADR	39	0.71	-41.42	39.6	54	-14.4	-	-	0	200	V
			3.121443	56.26	PK-U	33.1	0	-45.42	43.94	-	-	88.2	-44.26	0	101	V
			3.136685	44.18	ADR	33.1	0.71	-45.37	32.62	68.2	-35.58	-	-	0	200	H
			3.142244	56.23	PK-U	33.1	0	-45.42	43.91	-	-	88.2	-44.29	0	200	H
			3.142854	44.14	ADR	33.1	0.71	-45.41	32.54	68.2	-35.66	-	-	0	101	V
			17.546804	54.01	PK-U	41.6	0	-39.24	56.37	-	-	88.2	-31.83	0	200	H
			17.56857	53.03	PK-U	41.6	0	-39.96	54.67	-	-	88.2	-33.53	0	200	V
			17.583188	41.3	ADR	41.6	0.71	-39.94	43.67	68.2	-24.53	-	-	0	200	H
			17.585404	41.43	ADR	41.6	0.71	-39.94	43.8	68.2	-24.4	-	-	0	200	V
	6420	6 + 16	3.007935	56.18	PK-U	32.8	0	-45.63	43.35	-	-	88.2	-44.85	360	200	V
			3.019382	55.91	PK-U	32.9	0	-45.52	43.29	-	-	88.2	-44.91	360	101	H
			3.026857	44.22	ADR	32.9	0.71	-45.58	32.25	68.2	-35.95	-	-	360	101	H
			3.031022	44.34	ADR	32.9	0.71	-45.54	32.41	68.2	-35.79	-	-	360	200	V
			12.822224	53.23	PK-U	39.3	0	-41.09	51.44	-	-	88.2	-36.76	360	101	H
			12.850661	41.35	ADR	39.3	0.71	-41.48	39.88	68.2	-28.32	-	-	360	200	V
			12.853821	41.39	ADR	39.3	0.71	-41.45	39.95	68.2	-28.25	-	-	360	101	H
			12.862756	53.01	PK-U	39.3	0	-41.32	50.99	-	-	88.2	-37.21	360	200	V
			17.495434	41.23	ADR	41.5	0.71	-39.93	43.51	68.2	-24.69	-	-	360	200	H
			17.516932	53.03	PK-U	41.6	0	-39.87	54.76	-	-	88.2	-33.44	360	101	V
			17.51696	41.06	ADR	41.6	0.71	-39.87	43.5	68.2	-24.7	-	-	360	101	V
			17.525103	53.09	PK-U	41.6	0	-39.61	55.08	-	-	88.2	-33.12	360	200	H

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

UNI-5 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	DCCF (dB)	Amp/Cbl/ Filt/Pad (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
LE2M	6106	6 + 16	* 12.188471	54.15	PK-U	38.9	0	-41.68	51.37	-	-	74	-22.63	360	200	H
			* 12.209993	41.54	ADR	38.9	2.46	-41.71	41.19	54	-12.81	-	-	360	200	H
			* 12.226296	53.85	PK-U	38.9	0	-41.83	50.92	-	-	74	-23.08	360	101	V
			* 12.229052	41.62	ADR	38.9	2.46	-41.8	41.18	54	-12.82	-	-	360	101	V
			3.035535	43.94	ADR	32.9	2.46	-45.56	33.74	68.2	-34.46	-	-	360	101	H
			3.037149	56.31	PK-U	32.9	0	-45.58	43.63	-	-	88.2	-44.57	360	101	V
			3.037229	44.13	ADR	32.9	2.46	-45.59	33.9	68.2	-34.3	-	-	360	101	V
			3.041237	55.84	PK-U	33	0	-45.61	43.23	-	-	88.2	-44.97	360	101	H
			17.417765	53.03	PK-U	41.4	0	-39.98	54.45	-	-	88.2	-33.75	360	200	V
			17.427744	53.36	PK-U	41.4	0	-40.12	54.64	-	-	88.2	-33.56	360	200	H
			17.436131	41.08	ADR	41.5	2.46	-40.18	44.86	68.2	-23.34	-	-	360	200	V
			17.437007	40.99	ADR	41.5	2.46	-40.28	44.67	68.2	-23.53	-	-	360	200	H
	6265	6 + 16	1.970939	58.58	PK-U	31.8	0	-47.43	42.95	-	-	88.2	-45.25	360	101	V
			1.971125	46.87	ADR	31.8	2.46	-47.43	33.7	68.2	-34.5	-	-	360	101	V
			1.972775	59.06	PK-U	31.8	0	-47.46	43.4	-	-	88.2	-44.8	360	101	H
			1.97386	46.85	ADR	31.8	2.46	-47.46	33.65	68.2	-34.55	-	-	360	101	H
			3.020639	56.37	PK-U	32.9	0	-45.51	43.76	-	-	88.2	-44.44	360	200	H
			3.025638	43.95	ADR	32.9	2.46	-45.56	33.75	68.2	-34.45	-	-	360	200	H
			3.026494	44.04	ADR	32.9	2.46	-45.57	33.83	68.2	-34.37	-	-	360	200	V
			3.052113	56.27	PK-U	33	0	-45.62	43.65	-	-	88.2	-44.55	360	200	V
			10.45015	54.7	PK-U	37.5	0	-43.29	48.91	-	-	88.2	-39.29	360	101	H
			10.481703	42.87	ADR	37.5	2.46	-43.3	39.53	68.2	-28.67	-	-	360	101	V
			10.483775	54.62	PK-U	37.5	0	-43.36	48.76	-	-	88.2	-39.44	360	101	V
			10.484927	42.72	ADR	37.5	2.46	-43.38	39.3	68.2	-28.9	-	-	360	101	H
	6420	6 + 16	2.02024	47.42	ADR	31.6	2.46	-47.68	33.8	68.2	-34.4	-	-	360	199	H
			2.023077	47.46	ADR	31.6	2.46	-47.68	33.84	68.2	-34.36	-	-	360	199	V
			2.02645	59.75	PK-U	31.6	0	-47.67	43.68	-	-	88.2	-44.52	360	199	V
			2.028355	59.55	PK-U	31.6	0	-47.67	43.48	-	-	88.2	-44.72	360	199	H
			3.007782	55.81	PK-U	32.8	0	-45.63	42.98	-	-	88.2	-45.22	360	199	H
			3.023984	43.99	ADR	32.9	2.46	-45.53	33.82	68.2	-34.38	-	-	360	101	V
			3.024874	44.09	ADR	32.9	2.46	-45.56	33.89	68.2	-34.31	-	-	360	199	H
			3.025899	56.1	PK-U	32.9	0	-45.56	43.44	-	-	88.2	-44.76	360	101	V
			10.306641	42.48	ADR	37.4	2.46	-43.05	39.29	68.2	-28.91	-	-	360	101	V
			10.311097	54.29	PK-U	37.4	0	-43.16	48.53	-	-	88.2	-39.67	360	101	V
			10.323632	42.47	ADR	37.4	2.46	-43.29	39.04	68.2	-29.16	-	-	360	101	H
			10.329651	54.37	PK-U	37.4	0	-43.4	48.37	-	-	88.2	-39.83	360	101	H
HDT4	6106	6 + 16	* 12.207034	53.9	PK-U	38.9	0	-41.69	51.11	-	-	74	-22.89	0	101	H
			* 12.20805	41.87	ADR	38.9	0.3	-41.69	39.38	54	-14.62	-	-	0	101	H
			* 12.207422	53.51	PK-U	38.9	0	-41.69	50.72	-	-	74	-23.28	0	101	V
			* 12.226048	41.84	ADR	38.9	0.3	-41.83	39.21	54	-14.79	-	-	0	101	V
			3.038138	56.24	PK-U	33	0	-45.61	43.63	-	-	88.2	-44.57	0	200	H
			3.039511	44.16	ADR	33	0.3	-45.62	31.84	68.2	-36.36	-	-	0	200	H
			3.039521	44.14	ADR	33	0.3	-45.62	31.82	68.2	-36.38	-	-	0	101	V
			3.043449	56.12	PK-U	33	0	-45.61	43.51	-	-	88.2	-44.69	0	101	V
			17.358008	53.41	PK-U	41.4	0	-40.26	54.55	-	-	88.2	-33.65	0	101	H
			17.360288	53.63	PK-U	41.4	0	-40.18	54.85	-	-	88.2	-33.35	0	101	V
			17.371603	41.71	ADR	41.4	0.3	-40.18	43.23	68.2	-24.97	-	-	0	101	V
			17.378126	41.63	ADR	41.4	0.3	-40.21	43.12	68.2	-25.08	-	-	0	101	H
	6265	6 + 16	* 12.526785	53.87	PK-U	39	0	-41.29	51.58	-	-	74	-22.42	360	101	H
			* 12.513826	41.56	ADR	39	0.3	-41.48	39.38	54	-14.62	-	-	360	101	H
			* 12.513627	53.58	PK-U	39	0	-41.48	51.1	-	-	74	-22.9	360	101	V
			* 12.513283	41.47	ADR	39	0.3	-41.48	39.29	54	-14.71	-	-	360	101	V
			3.130634	56.44	PK-U	33.1	0	-45.44	44.1	-	-	88.2	-44.1	360	101	H
			3.134944	56.46	PK-U	33.1	0	-45.39	44.17	-	-	88.2	-44.03	360	101	V
			3.138824	44.32	ADR	33.1	0.3	-45.37	32.35	68.2	-35.85	-	-	360	101	H
			3.141365	44.2	ADR	33.1	0.3	-45.41	32.19	68.2	-36.01	-	-	360	101	V
			17.470575	52.9	PK-U	41.5	0	-39.47	54.93	-	-	88.2	-33.27	360	199	H
			17.476434	41.32	ADR	41.5	0.3	-39.42	43.7	68.2	-24.5	-	-	360	199	H
			17.494365	52.76	PK-U	41.5	0	-39.89	54.37	-	-	88.2	-33.83	360	200	V
			17.497132	41.23	ADR	41.5	0.3	-39.98	43.05	68.2	-25.15	-	-	360	200	V
	6420	6 + 16	2.455672	57.5	PK-U	32.4	0	-47.06	42.84	-	-	88.2	-45.36	360	101	H
			2.466604	46	ADR	32.4	0.3	-47.06	31.64	68.2	-36.56	-	-	360	101	H
			2.470386	58.24	PK-U	32.4	0	-47.04	43.6	-	-	88.2	-44.6	360	200	V
			2.474079	46.16	ADR	32.4	0.3	-47.04	31.82	68.2	-36.38	-	-	360	200	V
			12.829719	41.3	ADR	39.3	0.3	-41.07	39.83	68.2	-28.37	-	-	360	200	H
			12.83953	53.38	PK-U	39.3	0	-41.36	51.32	-	-	88.2	-36.88	360	200	H
			12.841106	41.38	ADR	39.3	0.3	-41.36	39.62	68.2	-28.58	-	-	360	101	V
			12.853224	53.05	PK-U	39.3	0	-41.48	50.87	-	-	88.2	-37.33	360	101	V
			17.552483	53.11	PK-U	41.6	0	-39.47	55.24	-	-	88.2	-32.96	360	101	V
			17.556483	52.94	PK-U	41.6	0	-39.63	54.91	-	-	88.2	-33.29	360	200	H
			17.558483	41.39	ADR	41.6	0.3	-39.65	43.64	68.2	-24.56	-	-	360	200	H
			17.563506	41.3	ADR	41.6	0.3	-39.7	43.5	68.2	-24.7	-	-	360	101	V

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

UNI-5 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	DCCF (dB)	Amp/Cb/ Filtr/Pad (dB)	Correct Reading (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDRPS2	6106	6 + 16	* 2.735961	45.89	ADR	32.4	0.34	-47.26	31.37	-22.63	-	-	360	200	H
			* 2.743711	58	PK-U	32.4	0	-47.3	43.1	-	74	-30.9	360	200	V
			* 2.744471	57.67	PK-U	32.4	0	-47.3	42.77	-	74	-31.23	360	200	H
			* 2.744778	46.1	ADR	32.4	0.34	-47.3	31.54	-22.46	-	-	360	200	V
			* 4.702401	44.21	ADR	34.5	0.34	-46.58	32.47	-21.53	-	-	360	101	V
			* 4.715157	56.03	PK-U	34.5	0	-46.59	43.94	-	74	-30.06	360	200	H
			* 4.736442	56.02	PK-U	34.6	0	-46.53	44.09	-	74	-29.91	360	101	V
			* 4.737168	44.28	ADR	34.6	0.34	-46.53	32.69	-21.31	-	-	360	200	H
			13.905233	42.98	ADR	39.1	0.34	-41.91	40.51	-27.69	-	-	360	200	H
			13.918404	54.79	PK-U	39.1	0	-41.95	51.94	-	88.2	-36.26	360	101	V
			13.925143	42.72	ADR	39.1	0.34	-41.99	40.17	-28.03	-	-	360	101	V
			13.928755	54.52	PK-U	39	0	-42.01	51.51	-	88.2	-36.69	360	200	H
	6265	6 + 16	* 2.715285	57.59	PK-U	32.2	0	-47.15	42.64	-	74	-31.36	360	101	H
			* 2.727797	56.85	PK-U	32.3	0	-47.21	41.94	-	74	-32.06	360	200	V
			* 2.731695	45.72	ADR	32.4	0.34	-47.23	31.23	-22.77	-	-	360	200	V
			* 2.732528	46.16	ADR	32.4	0.34	-47.24	31.66	-22.34	-	-	360	101	H
			* 3.975305	43.37	ADR	33.5	0.34	-45.23	31.98	-22.02	-	-	360	200	V
			* 3.979788	43.78	ADR	33.5	0.34	-45.24	32.38	-21.62	-	-	360	101	H
			* 3.980535	55.14	PK-U	33.5	0	-45.24	43.4	-	74	-30.6	360	101	H
			* 3.980545	55.53	PK-U	33.5	0	-45.24	43.79	-	74	-30.21	360	200	V
			13.96393	54.55	PK-U	39	0	-42.24	51.31	-	88.2	-36.89	360	200	H
			13.976564	54.36	PK-U	39.1	0	-42.32	51.14	-	88.2	-37.06	360	101	V
			13.977212	42.71	ADR	39.1	0.34	-42.32	39.83	-28.37	-	-	360	101	V
			13.98158	42.88	ADR	39.1	0.34	-42.35	39.97	-28.23	-	-	360	200	H
	6420	6 + 16	* 15.738473	54.76	PK-U	40.4	0	-42.15	53.01	-	74	-20.99	360	200	V
			* 15.751512	55.08	PK-U	40.4	0	-42.18	53.3	-	74	-20.7	360	200	H
			* 15.757047	42.95	ADR	40.4	0.34	-42.2	41.49	-12.51	-	-	360	200	H
			* 15.759547	43.24	ADR	40.4	0.34	-42.2	41.78	-12.22	-	-	360	200	V
			* 3.917472	43.57	ADR	33.4	0.34	-45.09	32.22	-21.78	-	-	360	101	H
			* 3.919704	43.37	ADR	33.4	0.34	-45.09	32.02	-21.98	-	-	360	200	V
			* 3.921335	55.13	PK-U	33.4	0	-45.1	43.43	-	74	-30.57	360	200	V
			* 3.926995	55.33	PK-U	33.4	0	-45.11	43.62	-	74	-30.38	360	101	H
			10.285558	41.78	ADR	37.7	0.34	-41.8	38.02	-30.18	-	-	360	200	H
			10.307077	53.75	PK-U	37.7	0	-41.85	49.6	-	88.2	-38.6	360	200	V
			10.311008	53.53	PK-U	37.7	0	-41.87	49.36	-	88.2	-38.84	360	200	H
			10.313893	41.96	ADR	37.7	0.34	-41.88	38.12	-30.08	-	-	360	200	V
HDRPM16	6107	6 + 16	* 12.200394	53.81	PK-U	38.9	0	-41.66	51.05	-	74	-22.95	1	101	H
			* 12.210537	41.85	ADR	38.9	0.69	-41.7	39.74	-14.26	-	-	1	101	H
			* 12.190947	53.99	PK-U	38.9	0	-41.65	51.24	-	74	-22.76	1	101	V
			* 12.209237	41.85	ADR	38.9	0.69	-41.69	39.75	-14.25	-	-	1	101	V
			3.037239	44.1	ADR	32.9	0.69	-45.59	32.1	-36.1	-	-	1	199	V
			3.039092	56.06	PK-U	33	0	-45.61	43.45	-	88.2	-44.75	1	199	V
			3.039934	44.1	ADR	33	0.69	-45.63	32.16	-36.04	-	-	1	199	H
			3.042547	55.64	PK-U	33	0	-45.61	43.03	-	88.2	-45.17	1	199	H
			17.406634	52.84	PK-U	41.4	0	-40.05	54.19	-	88.2	-34.01	1	200	H
			17.40825	53.21	PK-U	41.4	0	-40.07	54.54	-	88.2	-33.66	1	200	V
			17.416997	41.22	ADR	41.4	0.69	-39.94	43.37	-24.83	-	-	1	200	H
			17.433228	41.2	ADR	41.5	0.69	-40.17	43.22	-24.98	-	-	1	200	V
	6265	6 + 16	1.972815	46.88	ADR	31.8	0.69	-47.46	31.91	-36.29	-	-	0	101	V
			1.97469	47.05	ADR	31.8	0.69	-47.48	32.06	-36.14	-	-	0	101	H
			1.975254	59.53	PK-U	31.8	0	-47.49	43.84	-	88.2	-44.36	0	101	H
			2.011438	58.5	PK-U	31.6	0	-47.69	42.41	-	88.2	-45.79	0	101	V
			3.073952	55.98	PK-U	33	0	-45.53	43.45	-	88.2	-44.75	0	200	H
			3.078618	44.11	ADR	33	0.69	-45.49	32.31	-35.89	-	-	0	200	V
			3.096087	44.17	ADR	33	0.69	-45.5	32.36	-35.84	-	-	0	200	H
			3.100962	55.68	PK-U	33	0	-45.52	43.16	-	88.2	-45.04	0	200	V
			10.006216	54.05	PK-U	37.1	0	-43.06	48.09	-	88.2	-40.11	0	101	H
			10.041153	42.41	ADR	37.1	0.69	-43.05	37.15	-31.05	-	-	0	101	H
			10.045533	54.63	PK-U	37.1	0	-43.12	48.61	-	88.2	-39.59	0	200	V
			10.045553	42.26	ADR	37.1	0.69	-43.12	36.93	-31.27	-	-	0	200	V
	6420	6 + 16	1.971913	58.59	PK-U	31.8	0	-47.44	42.95	-	88.2	-45.25	0	101	V
			1.972549	46.97	ADR	31.8	0.69	-47.45	32.01	-36.19	-	-	0	101	V
			1.976307	47.01	ADR	31.8	0.69	-47.51	31.99	-36.21	-	-	0	200	H
			2.012383	58.64	PK-U	31.6	0	-47.69	42.55	-	88.2	-45.65	0	200	H
			3.026223	44.23	ADR	32.9	0.69	-45.56	32.26	-35.94	-	-	0	101	H
			3.02786	44.15	ADR	32.9	0.69	-45.57	32.17	-36.03	-	-	0	200	V
			3.035544	56.08	PK-U	32.9	0	-45.56	43.42	-	88.2	-44.78	0	200	V
			3.037501	56.31	PK-U	33	0	-45.6	43.71	-	88.2	-44.49	0	101	H
			10.098751	54.45	PK-U	37.2	0	-42.8	48.85	-	88.2	-39.35	0	200	H
			10.101442	42.83	ADR	37.2	0.69	-42.71	38.01	-30.19	-	-	0	200	V
			10.104762	54.58	PK-U	37.2	0	-42.77	49.01	-	88.2	-39.19	0	200	V
			10.10975	42.78	ADR	37.2	0.69	-42.87	37.8	-30.4	-	-	0	200	H

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

PK-U - U-NII: Maximum Peak

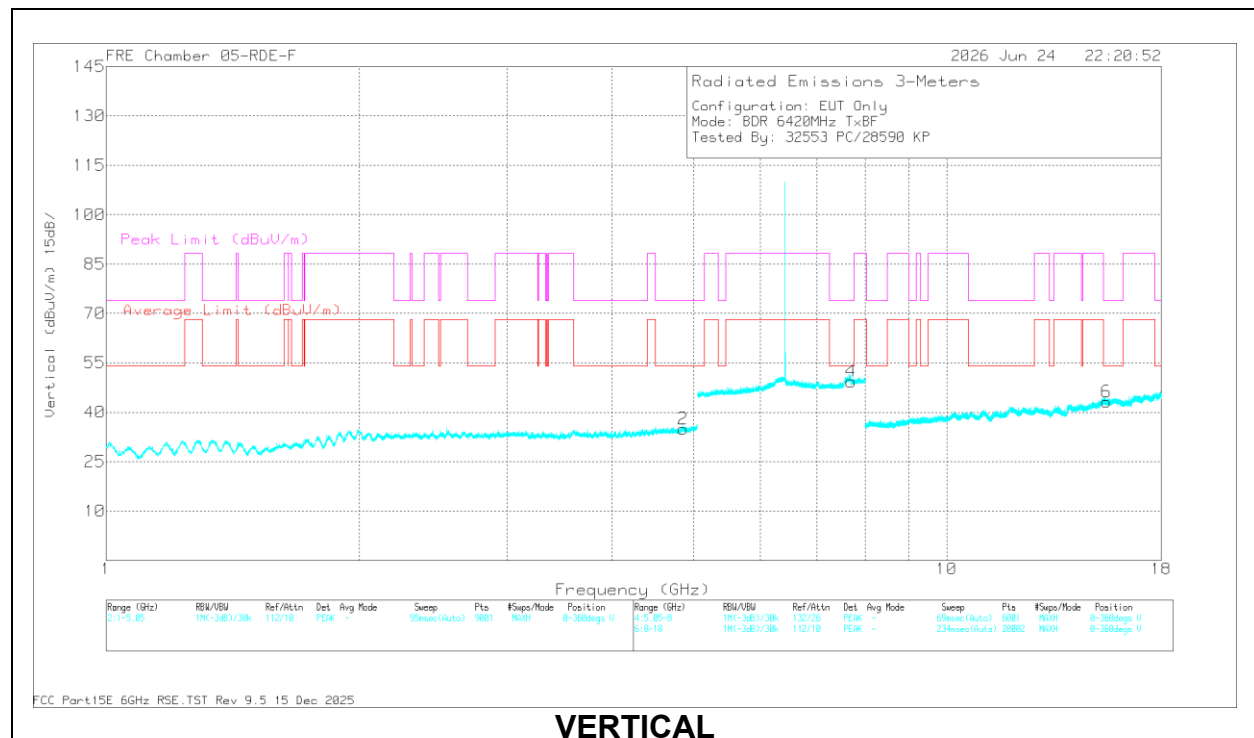
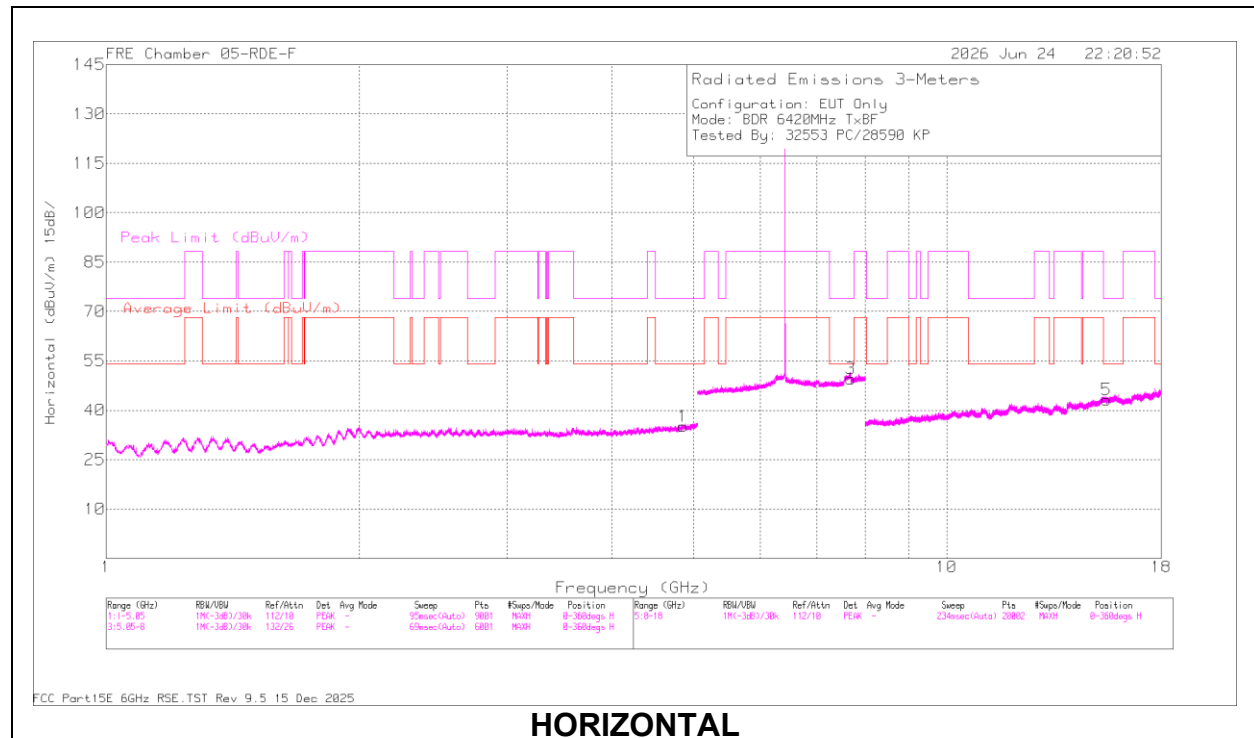
ADR - U-NII AD primary method, RMS average

UNII-5 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	ACF (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
XHDRPL16	6109	6 + 16	* 11.58275	52.96	PK-U	38.4	-41.15	0	50.21	-	-	74	-23.79	0	199	H
			* 11.597188	41.04	ADR	38.4	-41.32	0.23	38.35	54	-15.65	-	-	0	199	H
			* 11.578634	52.96	PK-U	38.4	-41.11	0	50.25	-	-	74	-23.75	0	199	V
			* 11.605655	41.09	ADR	38.4	-41.42	0.23	38.3	54	-15.7	-	-	0	199	V
			2.020877	58.56	PK-U	31.5	-46.58	0	43.48	-	-	88.2	-44.72	0	199	V
			2.027951	57.97	PK-U	31.5	-46.59	0	42.88	-	-	88.2	-45.32	0	199	H
			2.029036	46.11	ADR	31.5	-46.59	0.23	31.25	68.2	-36.95	-	-	0	199	V
			2.029084	45.94	ADR	31.5	-46.59	0.23	31.08	68.2	-37.12	-	-	0	199	H
			3.096499	55.54	PK-U	33.1	-45.96	0	42.68	-	-	88.2	-45.52	0	199	V
			3.097615	55.54	PK-U	33.1	-45.96	0	42.68	-	-	88.2	-45.52	0	199	H
			3.099205	44.14	ADR	33.1	-45.94	0.23	31.53	68.2	-36.67	-	-	0	199	V
			3.099223	44.15	ADR	33.1	-45.94	0.23	31.54	68.2	-36.66	-	-	0	199	H
	6265	6 + 16	* 12.289378	52.69	PK-U	38.8	-41.18	0	50.31	-	-	74	-23.69	360	101	H
			* 12.306672	41.28	ADR	38.8	-40.94	0.23	39.37	54	-14.63	-	-	360	101	H
			* 12.305684	52.76	PK-U	38.8	-40.95	0	50.61	-	-	74	-23.39	360	101	V
			* 12.311256	41.25	ADR	38.8	-40.88	0.23	39.4	54	-14.6	-	-	360	101	V
			2.023519	58.44	PK-U	31.5	-46.58	0	43.36	-	-	88.2	-44.84	360	101	V
			2.028323	45.96	ADR	31.5	-46.59	0.23	31.1	68.2	-37.1	-	-	360	101	V
			2.028373	58.1	PK-U	31.5	-46.59	0	43.01	-	-	88.2	-45.19	360	101	H
			2.032026	46.07	ADR	31.5	-46.59	0.23	31.21	68.2	-36.99	-	-	360	101	H
			3.029523	44.77	ADR	33	-46.35	0.23	31.65	68.2	-36.55	-	-	360	101	H
			3.029812	56.5	PK-U	33	-46.35	0	43.15	-	-	88.2	-45.05	360	101	H
			3.033953	56.28	PK-U	33	-46.33	0	42.95	-	-	88.2	-45.25	360	101	V
			3.036589	44.29	ADR	33	-46.31	0.23	31.21	68.2	-36.99	-	-	360	101	V
	6417	6 + 16	* 12.093391	53.02	PK-U	39.1	-41.15	0	50.97	-	-	74	-23.03	360	101	H
			* 12.103238	41.52	ADR	39.1	-41.11	0.23	39.74	54	-14.26	-	-	360	101	H
			* 12.091915	53.38	PK-U	39	-41.15	0	51.23	-	-	74	-22.77	360	101	V
			* 12.071973	41.45	ADR	39	-41.25	0.23	39.43	54	-14.57	-	-	360	101	V
			2.028293	45.99	ADR	31.5	-46.59	0.23	31.13	68.2	-37.07	-	-	360	101	H
			2.029912	46	ADR	31.5	-46.59	0.23	31.14	68.2	-37.06	-	-	360	101	V
			2.032119	57.84	PK-U	31.5	-46.59	0	42.75	-	-	88.2	-45.45	360	101	H
			2.034285	57.86	PK-U	31.6	-46.6	0	42.86	-	-	88.2	-45.34	360	101	V
			3.114904	55.61	PK-U	33.1	-45.85	0	42.86	-	-	88.2	-45.34	360	101	H
			3.128171	55.16	PK-U	33	-45.76	0	42.4	-	-	88.2	-45.8	360	101	V
			3.129789	43.64	ADR	33	-45.75	0.23	31.12	68.2	-37.08	-	-	360	101	V
			3.142097	43.88	ADR	33	-45.67	0.23	31.44	68.2	-36.76	-	-	360	101	H

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**WORST-CASE HARMONIC AND SPURIOUS EMISSIONS:
MIMO TXBF / HIGH POWER / BDR MODE / 6420 MHz**

Radiated Emissions

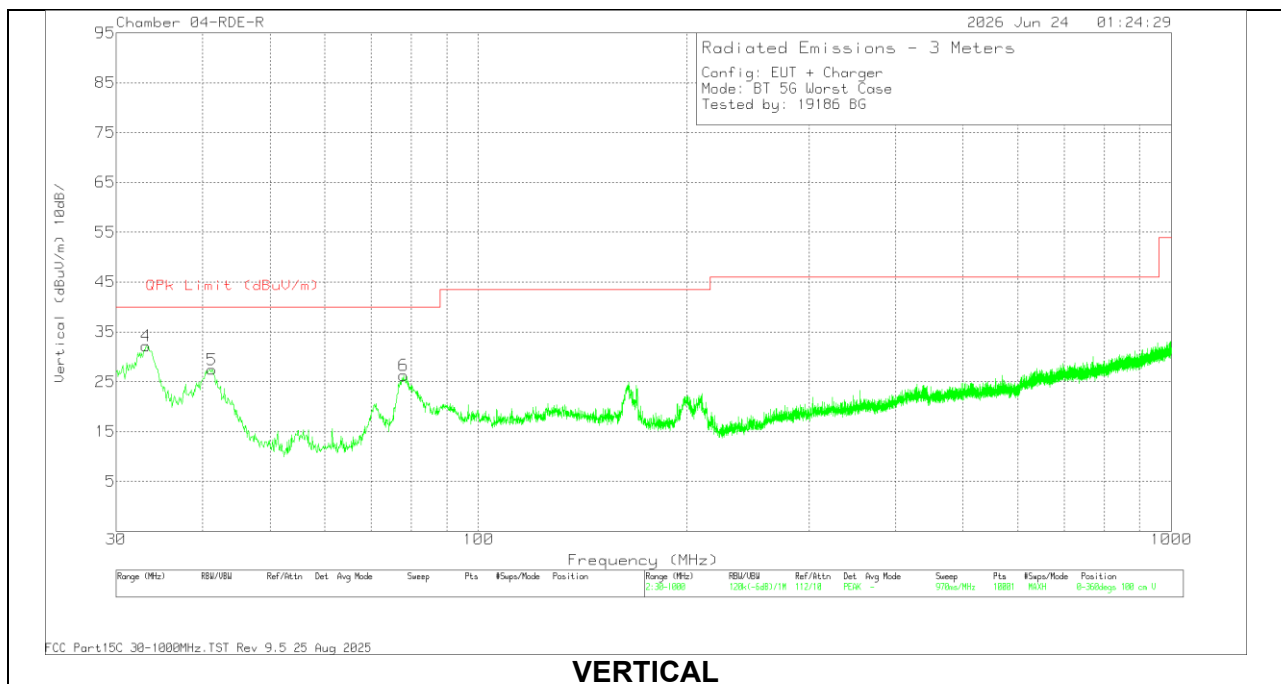
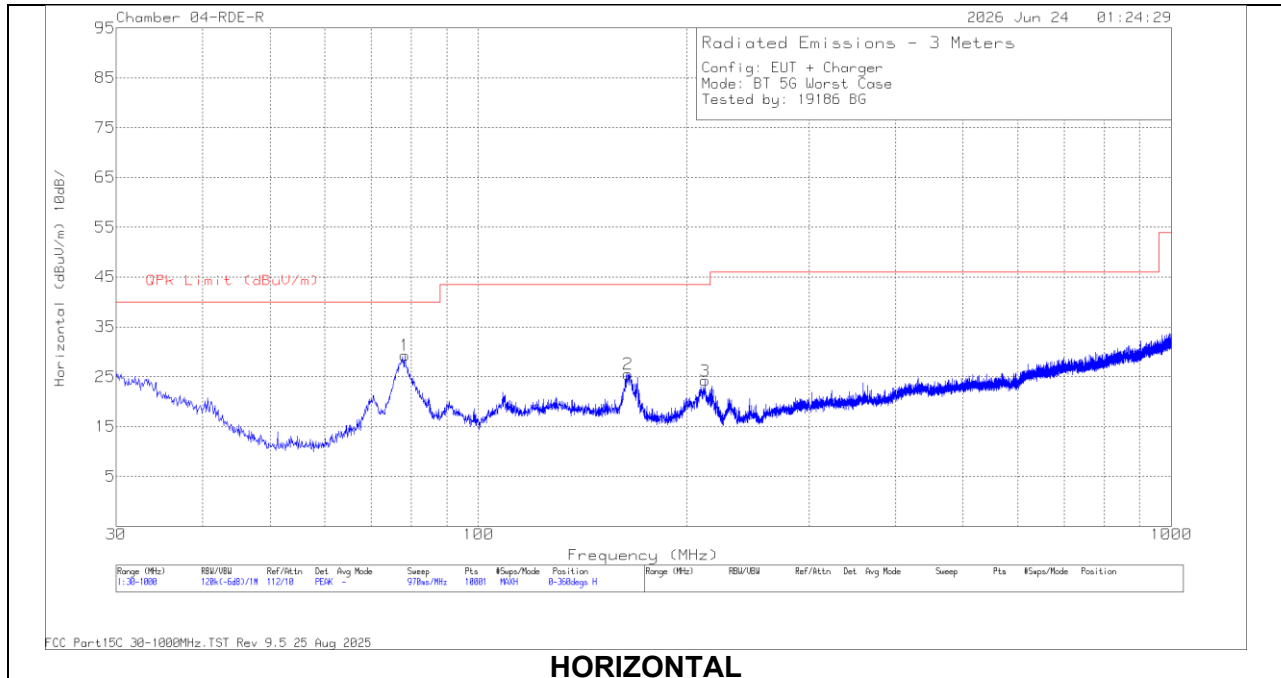
Range 1: Horizontal 1 - 5.05GHz													
Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.869394	59	PK-U	34.3		-47.7	45.6	-	-	74	-28.4	0	200	H
* 4.851547	47.38	ADR	34.3	1.18	-47.9	34.96	54	-19.04	-	-	0	200	H
Range 2: Vertical 1 - 5.05GHz													
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
* 4.861938	59.46	PK-U	34.3		-47.9	45.86	-	-	74	-28.14	0	200	4.861938
* 4.84934	47.3	ADR	34.3	1.18	-47.9	34.88	54	-19.12	-	-	0	200	* 4.84934
Range 3: Horizontal 5.05 - 8GHz													
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
* 7.696483	59.17	PK-U	35.7		-36.15	58.72	-	-	74	-15.28	0	101	* 7.696483
* 7.711034	47.05	ADR	35.7	1.18	-36.1	47.83	54	-6.17	-	-	0	101	* 7.711034
Range 4: Vertical 5.05 - 8GHz													
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
* 7.713217	59.08	PK-U	35.7		-36.1	58.68	-	-	74	-15.32	0	101	* 7.713217
* 7.703825	47.38	ADR	35.7	1.18	-36.1	48.16	54	-5.84	-	-	0	101	* 7.703825
Range 5: Horizontal 8 - 18GHz													
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
15.504569	54.34	PK-U	41		-41.1	54.24	-	-	74	-19.76	0	200	15.504569
15.518587	41.72	ADR	41	1.18	-41.14	42.76	54	-11.24	-	-	0	200	15.518587
Range 6: Vertical 8 - 18GHz													
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
15.499237	53.61	PK-U	41		-41.2	53.41	-	-	74	-20.59	0	101	15.499237
15.483783	41.8	ADR	40.9	1.18	-41.3	42.58	54	-11.42	-	-	0	101	15.483783

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

11.2. WORST CASE BELOW 1 GHz – HIGH POWER



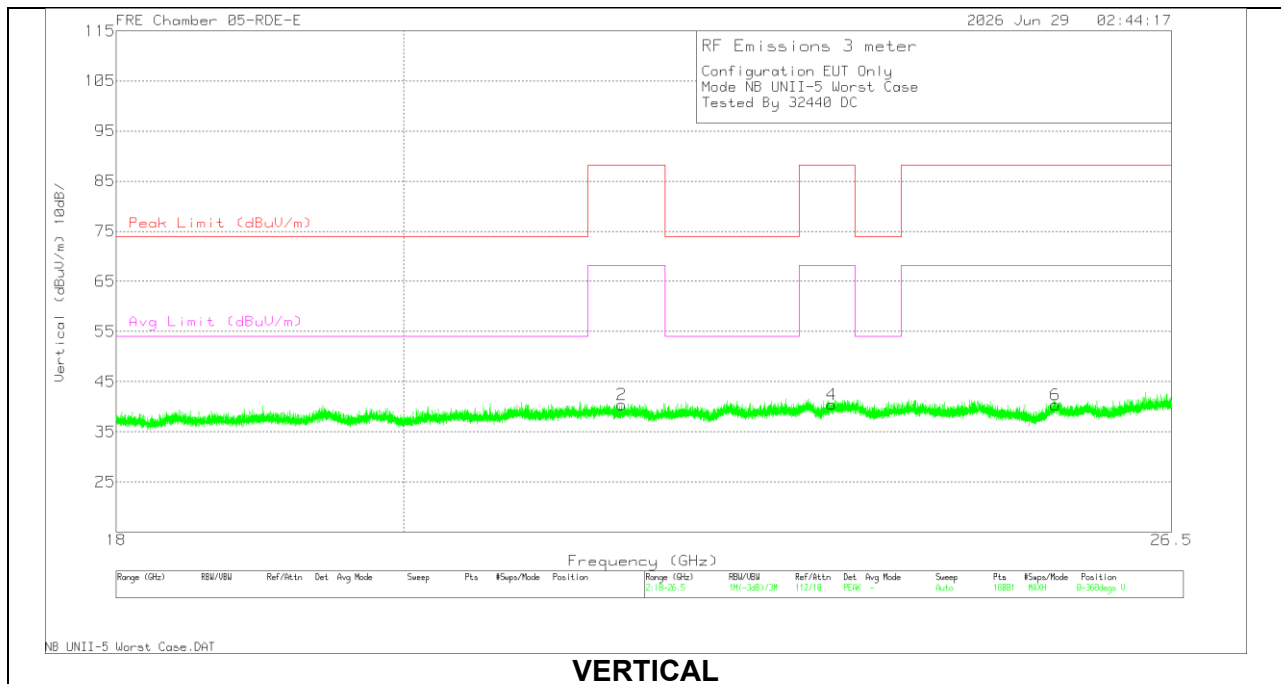
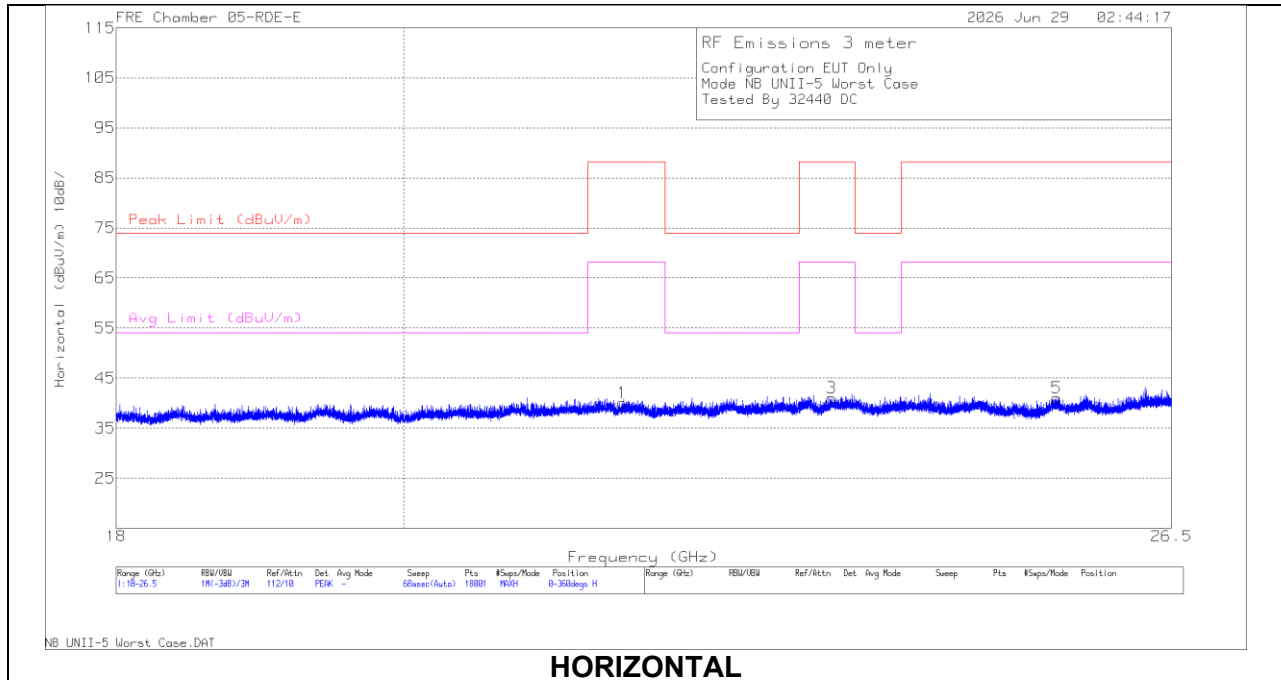
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	204044 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	OPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	78.306	47.29	Pk	13.7	-31.7	29.29	40	-10.71	0-360	300	H
2	* 164.442	38.67	Pk	18	-31.1	25.57	43.52	-17.95	0-360	99	H
3	212.263	38.8	Pk	16.3	-30.9	24.2	43.52	-19.32	0-360	99	H
4	33.104	39.84	Pk	24.5	-32.2	32.14	40	-7.86	0-360	100	V
5	41.252	40.76	Pk	18.7	-32	27.46	40	-12.54	0-360	100	V
6	77.918	44.26	Pk	13.7	-31.7	26.26	40	-13.74	0-360	100	V

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

Pk - Peak detector

11.3. WORST CASE 18-26 GHz – HIGH POWER

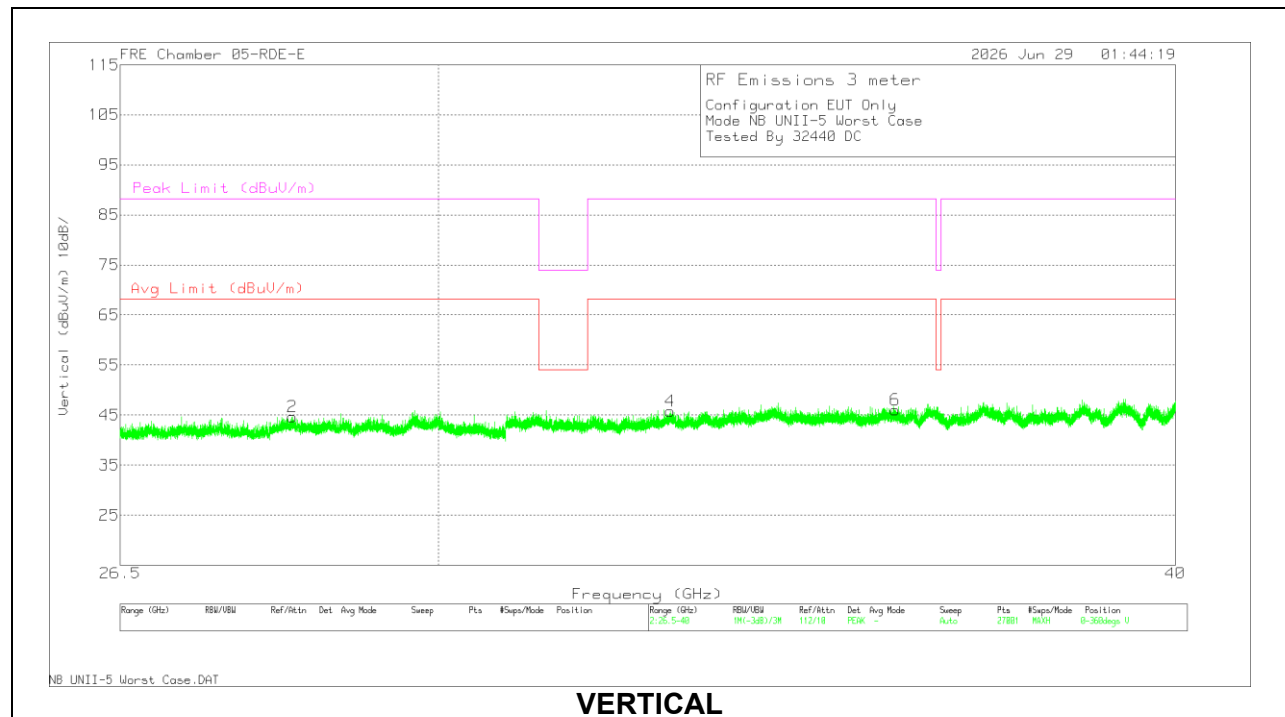
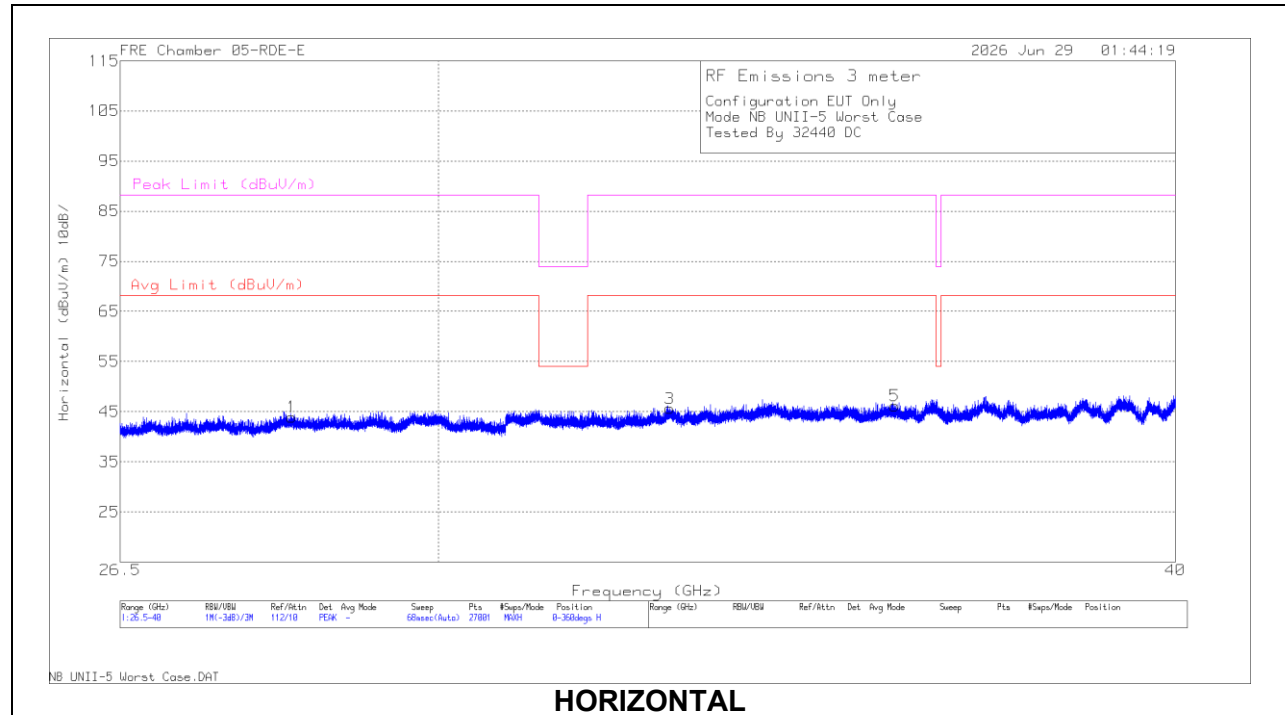


Trace Markers

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)	Azimuth (Degs)	Height (cm)	Polarity
1	21.667276	55.86	Pk	32.9	-62.5	13.8	40.06	74	-33.94	0-360	199	H
2	21.666332	56.17	Pk	32.9	-62.5	13.8	40.37	74	-33.63	0-360	200	V
3	23.398442	55.58	Pk	33.5	-62.4	14.4	41.08	74	-32.92	0-360	199	H
4	23.396081	54.96	Pk	33.5	-62.4	14.4	40.46	74	-33.54	0-360	200	V
5	25.406802	54.3	Pk	33.9	-62.4	15.2	41	74	-33	0-360	199	H
6	25.399247	53.65	Pk	33.9	-62.4	15.2	40.35	74	-33.65	0-360	101	V

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

11.4. WORST CASE 26-40 GHz – HIGH POWER



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	172366 ACF (dB/m)	CBL/AMP (dB)	CBL (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	28.3325	64.02	Pk	36.2	-72.8	16.5	43.92	74	-30.08	0-360	101	H
2	28.342	64.72	Pk	36.2	-72.8	16.5	44.62	74	-29.38	0-360	101	V
3	32.833	61.8	Pk	36.8	-70.7	17.7	45.6	74	-28.4	0-360	200	H
4	32.8425	62.12	Pk	36.8	-70.8	17.7	45.82	74	-28.18	0-360	101	V
5	35.851	63.69	Pk	37.6	-73.3	18.2	46.19	74	-27.81	0-360	200	H
6	35.856	63.53	Pk	37.6	-73.3	18.2	46.03	74	-27.97	0-360	101	V

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

12. 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.

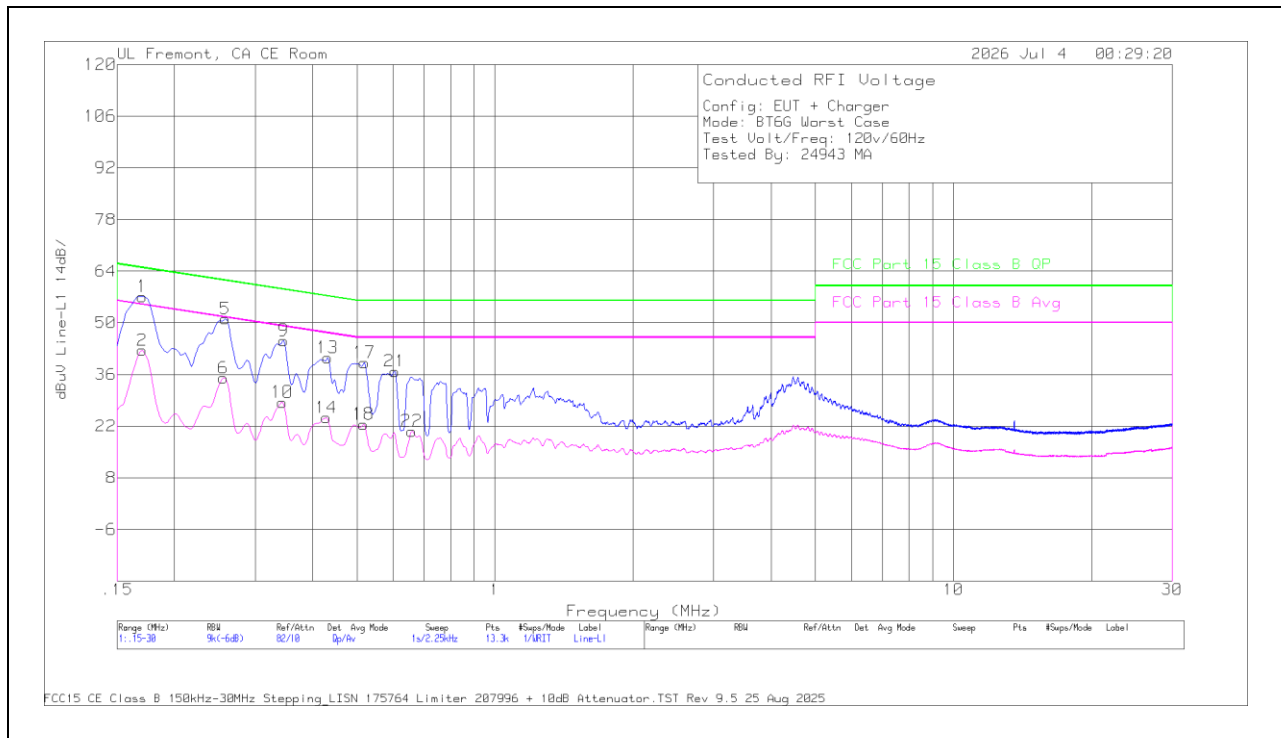
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

12.1. EUT WITH AC ADAPTER

LINE 1 RESULTS

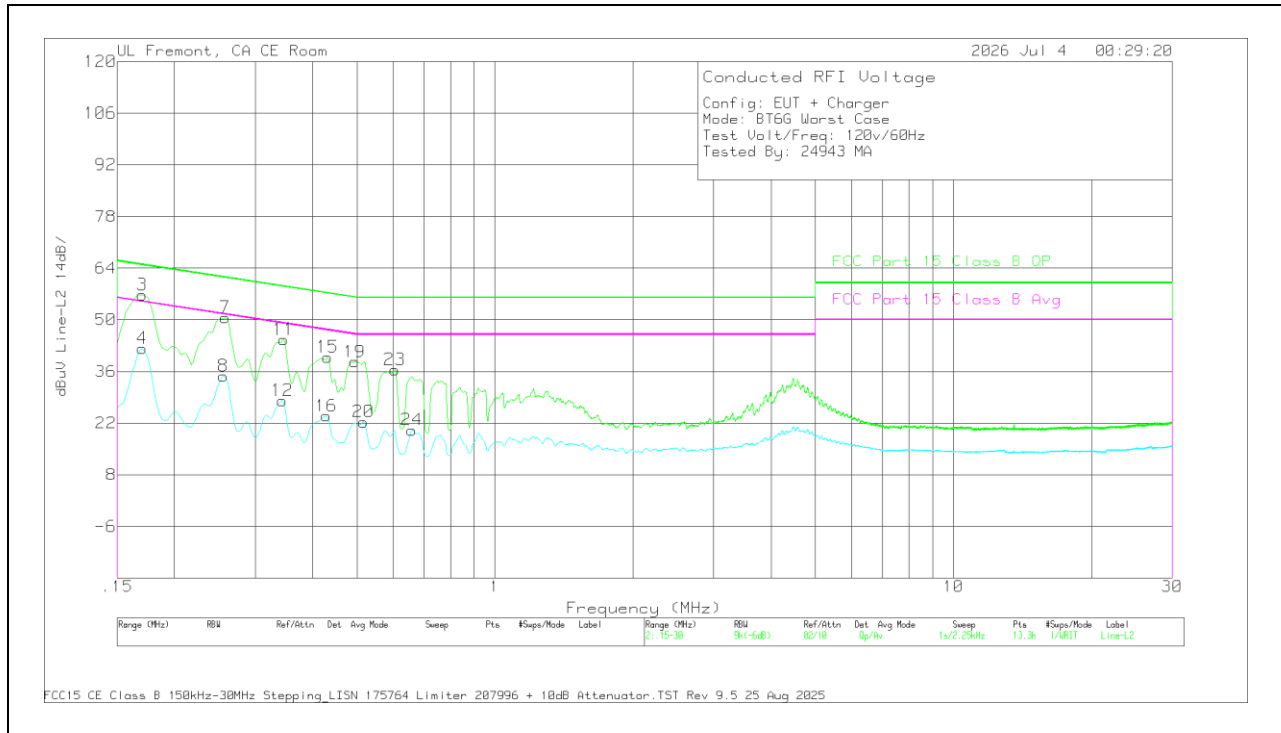


Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L1 (dB)	Line 1 C3, C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
2	.1703	23.12	Av	.1	9.4	9.9	42.52	-	-	54.95	-12.43
6	.2558	15.72	Av	0	9.4	9.9	35.02	-	-	51.57	-16.55
10	.3435	9.16	Av	0	9.4	9.9	28.46	-	-	49.12	-20.66
14	.429	5.07	Av	0	9.3	9.9	24.27	-	-	47.27	-23
18	.5168	3.29	Av	0	9.3	9.9	22.49	-	-	46	-23.51
22	.6585	1.33	Av	0	9.3	10	20.63	-	-	46	-25.37
1	.1703	37.72	Qp	.1	9.4	9.9	57.12	64.95	-7.83	-	-
5	.258	31.75	Qp	0	9.4	9.9	51.05	61.5	-10.45	-	-
9	.3458	25.98	Qp	0	9.3	9.9	45.18	59.06	-13.88	-	-
13	.4313	21.33	Qp	0	9.3	9.9	40.53	57.23	-16.7	-	-
17	.519	19.99	Qp	0	9.3	9.9	39.19	56	-16.81	-	-
21	.6045	17.65	Qp	0	9.3	9.9	36.85	56	-19.15	-	-

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Trace Markers

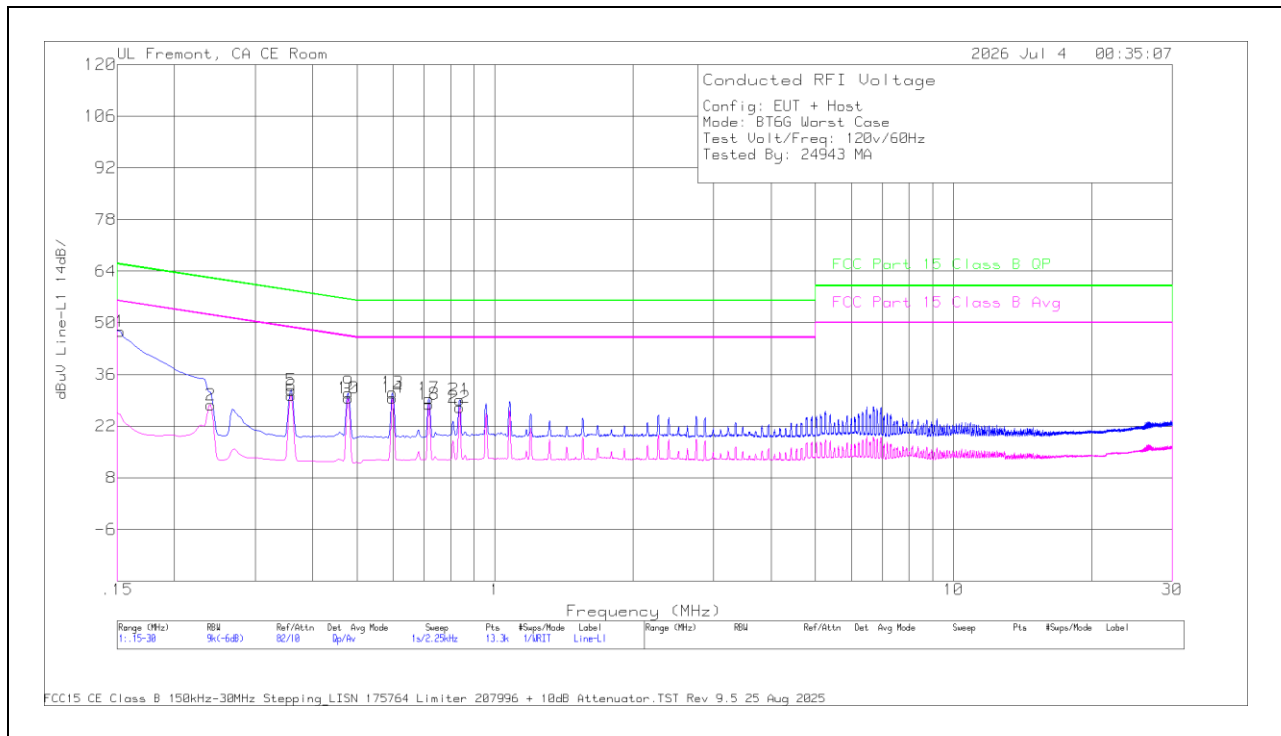
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L2 (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
4	.1703	22.84	Av	.1	9.4	9.9	42.24	-	-	54.95	-12.71
8	.2558	15.45	Av	0	9.4	9.9	34.75	-	-	51.57	-16.82
12	.3435	8.79	Av	0	9.4	9.9	28.09	-	-	49.12	-21.03
16	.429	4.75	Av	0	9.3	9.9	23.95	-	-	47.27	-23.32
20	.5168	3.15	Av	0	9.3	9.9	22.35	-	-	46	-23.65
24	.6585	.72	Av	0	9.4	10	20.12	-	-	46	-25.88
3	.1703	37.38	Qp	.1	9.4	9.9	56.78	64.95	-8.17	-	-
7	.258	31.32	Qp	0	9.4	9.9	50.62	61.5	-10.88	-	-
11	.3458	25.47	Qp	0	9.3	9.9	44.67	59.06	-14.39	-	-
15	.4313	20.68	Qp	0	9.3	9.9	39.88	57.23	-17.35	-	-
19	.4943	19.44	Qp	0	9.3	9.9	38.64	56.1	-17.46	-	-
23	.6045	17.17	Qp	0	9.4	9.9	36.47	56	-19.53	-	-

Qp - Quasi-Peak detector

Ca - CISPR average detection

12.2. EUT WITH LAPTOP

LINE 1 RESULTS



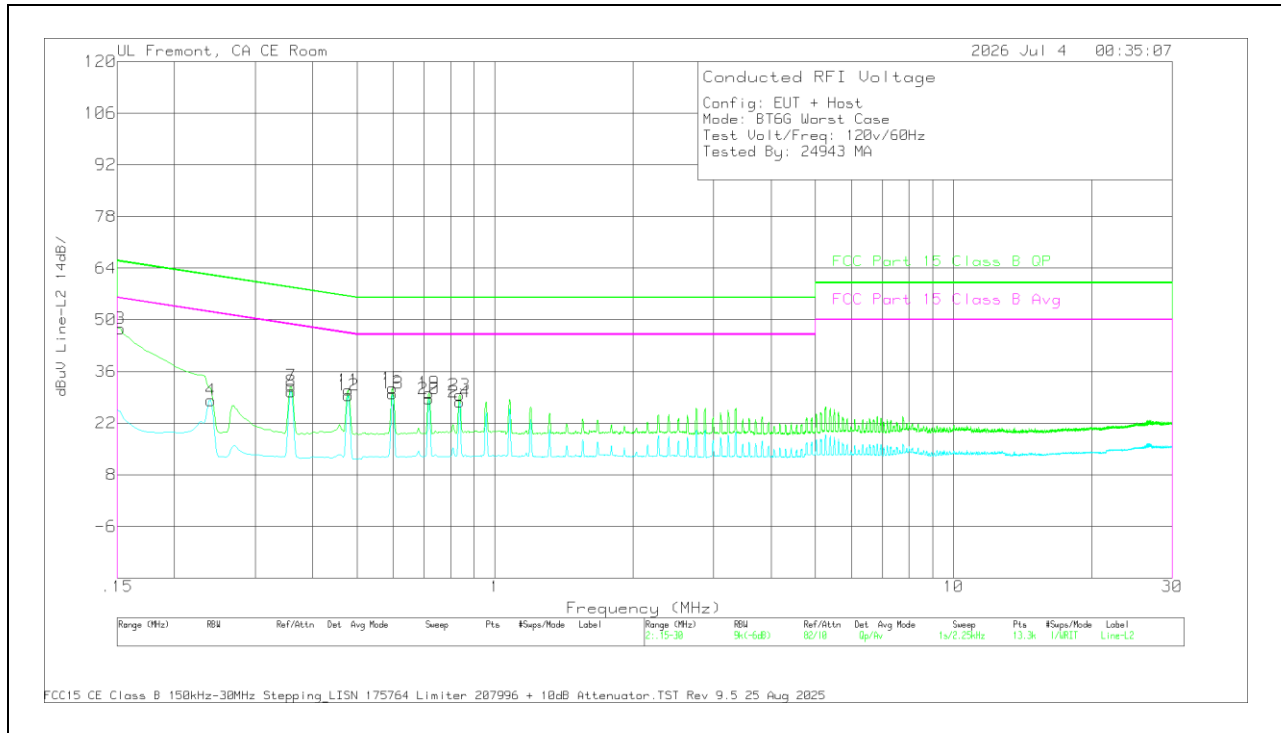
Trace Markers

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L1 (dB)	Line 1 C3_C1_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
2	.24	8.39	Av	0	9.4	9.9	27.69	-	-	52.1	-24.41
6	.3593	11.04	Av	0	9.3	9.9	30.24	-	-	48.75	-18.51
10	.4785	10.37	Av	0	9.3	9.9	29.57	-	-	46.37	-16.8
14	.5978	10.49	Av	0	9.3	9.9	29.69	-	-	46	-16.31
18	.717	8.72	Av	0	9.3	9.9	27.92	-	-	46	-18.08
22	.8363	7.75	Av	0	9.4	9.9	27.05	-	-	46	-18.95
1	.1523	28.24	Qp	.1	9.4	9.9	47.64	65.88	-18.24	-	-
5	.3593	12.57	Qp	0	9.3	9.9	31.77	58.75	-26.98	-	-
9	.4785	11.78	Qp	0	9.3	9.9	30.98	56.37	-25.39	-	-
13	.5978	11.86	Qp	0	9.3	9.9	31.06	56	-24.94	-	-
17	.717	10.32	Qp	0	9.3	9.9	29.52	56	-26.48	-	-
21	.8363	9.87	Qp	0	9.4	9.9	29.17	56	-26.83	-	-

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Trace Markers

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L2 (dB)	Line 2 C3_C2_plus Limiter (dB)	Attenuator (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av Margin (dB)
4	.24	8.77	Av	.1	9.4	9.9	28.17	-	-	52.1	-23.93
8	.3593	11.26	Av	0	9.4	9.9	30.56	-	-	48.75	-18.19
12	.4785	10.33	Av	0	9.3	9.9	29.53	-	-	46.37	-16.84
16	.5978	10.82	Av	0	9.3	9.9	30.02	-	-	46	-15.98
20	.717	9.27	Av	0	9.4	9.9	28.57	-	-	46	-17.43
24	.8363	8.41	Av	0	9.4	9.9	27.71	-	-	46	-18.29
3	.1523	28.23	Qp	.1	9.4	9.9	47.63	65.88	-18.25	-	-
7	.3593	12.78	Qp	0	9.4	9.9	32.08	58.75	-26.67	-	-
11	.4785	11.74	Qp	0	9.3	9.9	30.94	56.37	-25.43	-	-
15	.5978	12.23	Qp	0	9.3	9.9	31.43	56	-24.57	-	-
19	.717	10.83	Qp	0	9.4	9.9	30.13	56	-25.87	-	-
23	.8363	10.26	Qp	0	9.4	9.9	29.56	56	-26.44	-	-

Qp - Quasi-Peak detector

Ca - CISPR average detection

13. SETUP PHOTOS

Please refer to 15982168-EP1 for setup photos.

14. SPOT CHECK EVALUATION

14.1. 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

14.2. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3717

A3717 SPOT CHECK RESULTS												
Equipment Class / Technology	Frequency (GHz)	Mode	Modulation	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			
NII / NB UNII-5	6106 - 6420 UNII - 5	High Power (ANT 6)	XHDRPL16	Avg Power (EIRP)	Fundamental (Ant = -1.5dBi)	Low	6.265	1.98	1.96	-0.02	-12.02	Note 1
		High Power (2TX)	HDRPS2	Avg Radiated Bandedge (dBm)	Vertical Low Bandedge	Low	5.877268	-46.95	-46.98	-0.03	-19.95	Note 1
		High Power (2TX)	BDR	Avg RSE (dBuV/m)	Vertical 1 to 18 GHz	High	7.703825	48.16	46.02	-2.14	-5.84	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 performed on second channel.

14.3. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3718

A3718 SPOT CHECK RESULTS												
Equipment Class / Technology	Frequency (GHz)	Mode	Modulation	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			
NII / NB UNII-5	6106 - 6420 UNII - 5	High Power (ANT 6)	XHDRPL16	Avg Power (EIRP)	Fundamental (Ant = -1.5dBi)	Low	6.265	1.98	2.00	0.02	-12.02	Note 1
		High Power (2TX)	HDRPS2	Avg Radiated Bandedge (dBm)	Vertical Low Bandedge	Low	5.877268	-46.95	-46.97	-0.02	-19.95	Note 1
		High Power (2TX)	BDR	Avg RSE (dBuV/m)	Vertical 1 to 18 GHz	High	7.703825	48.16	45.90	-2.26	-5.84	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 performed on second channel.