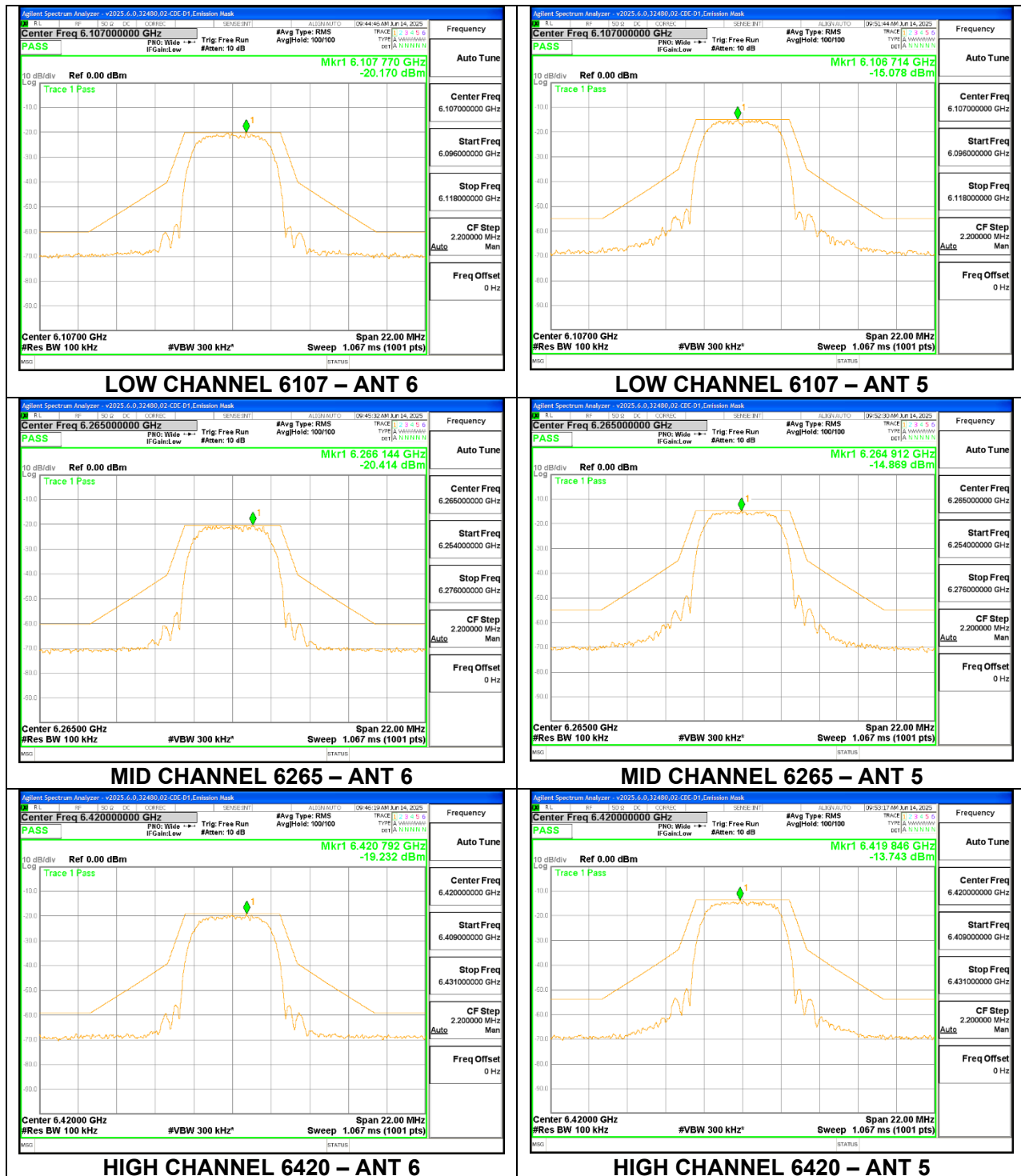
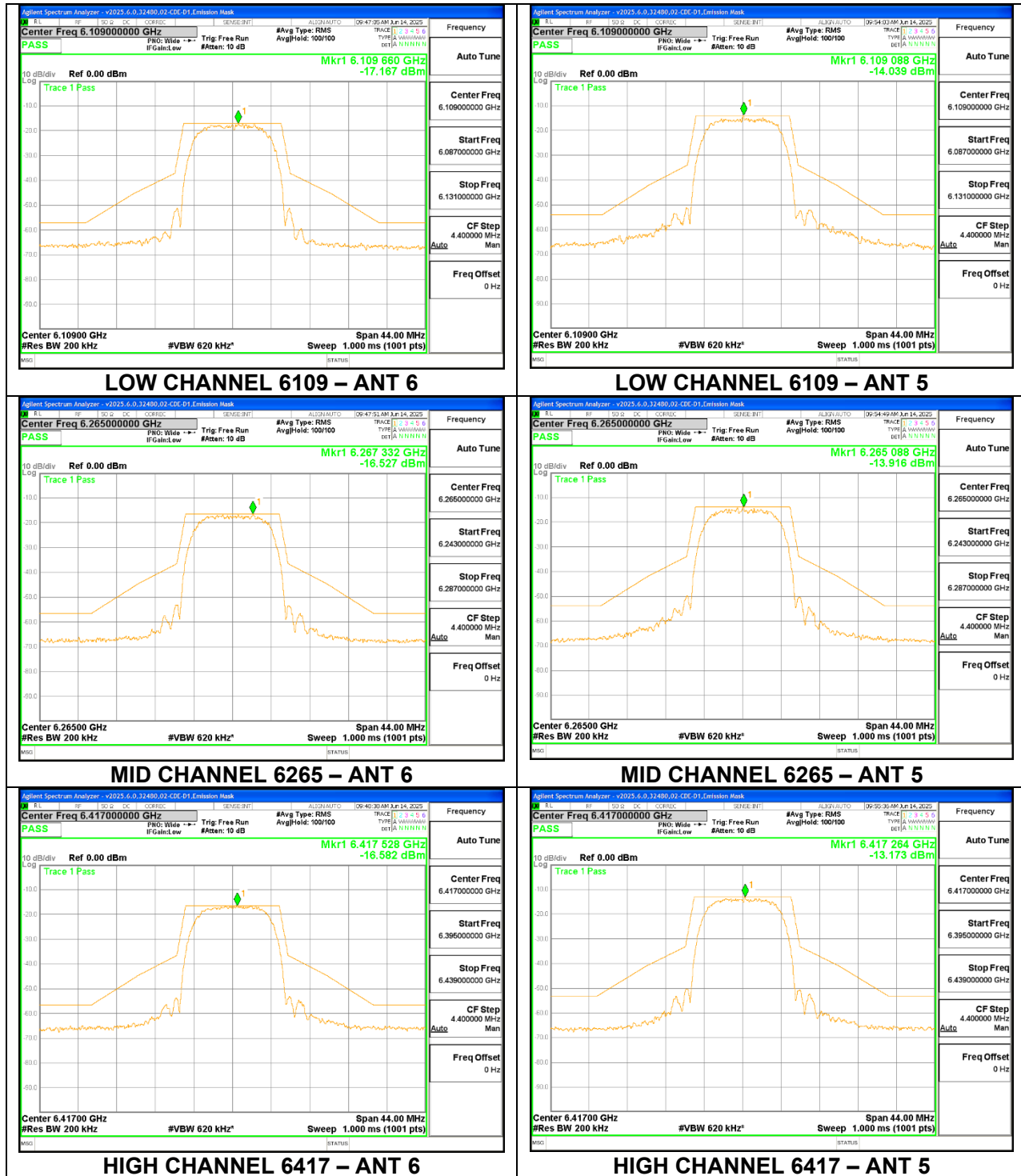
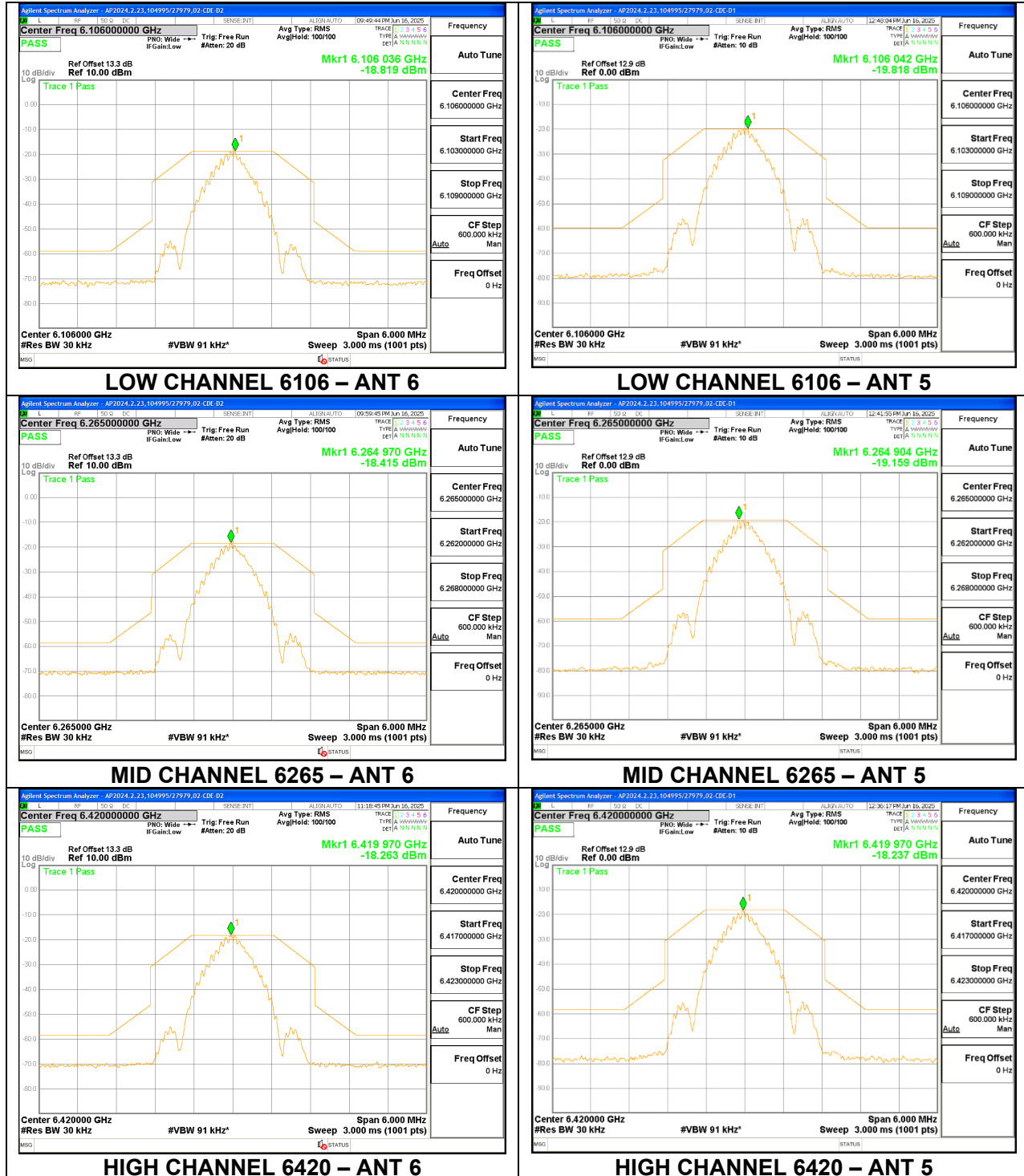


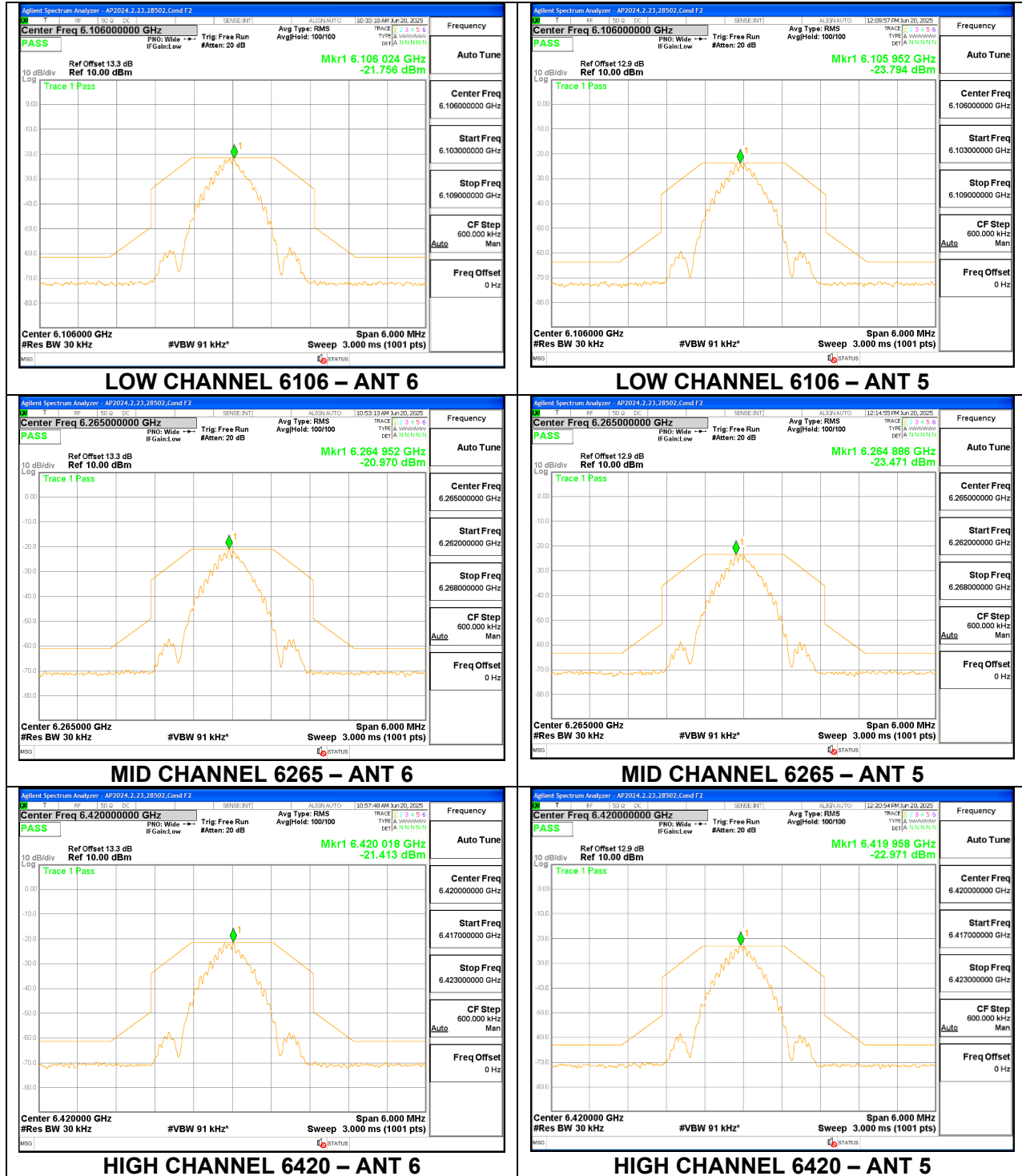
HDRPM8

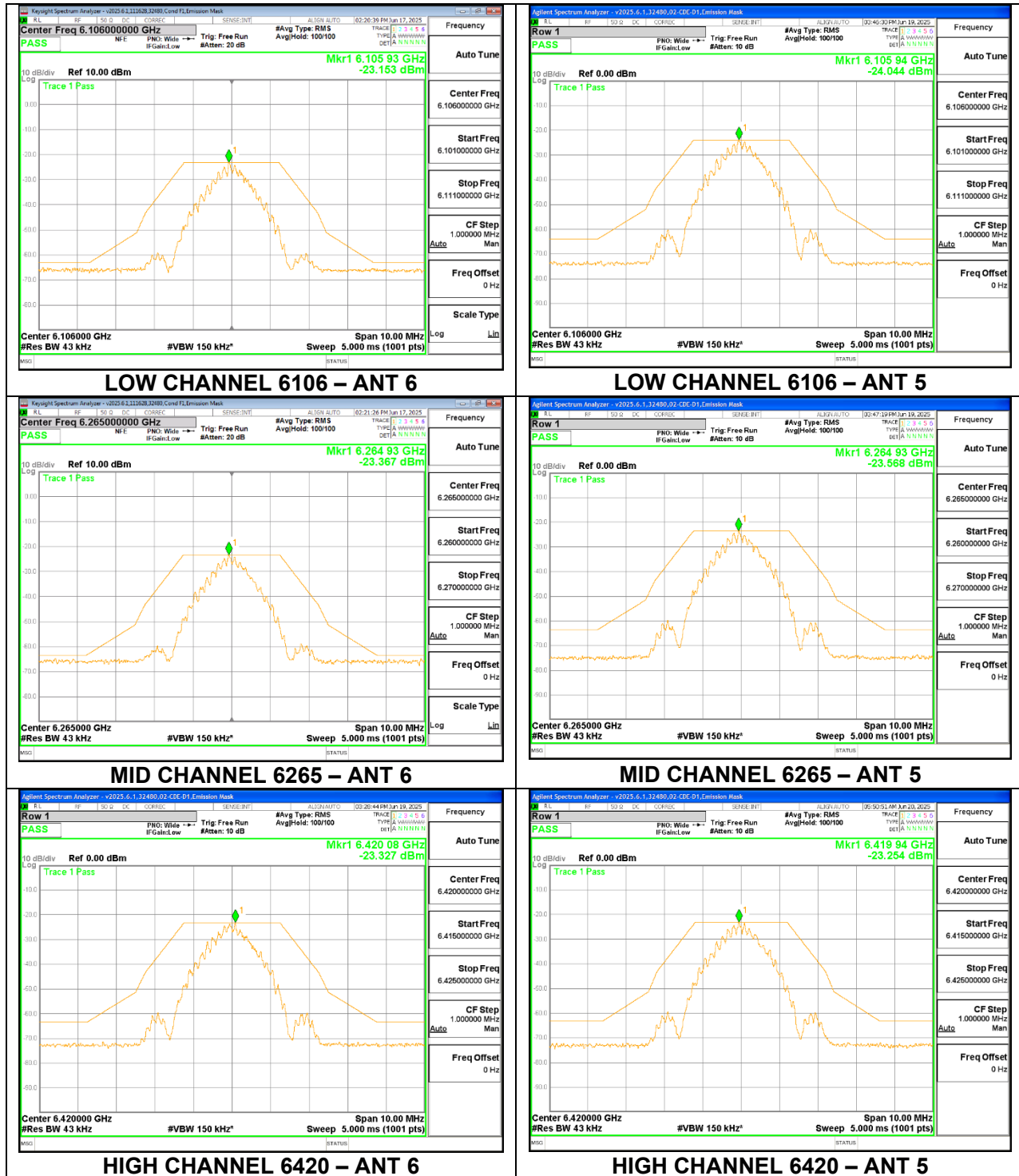
XHDRPL16

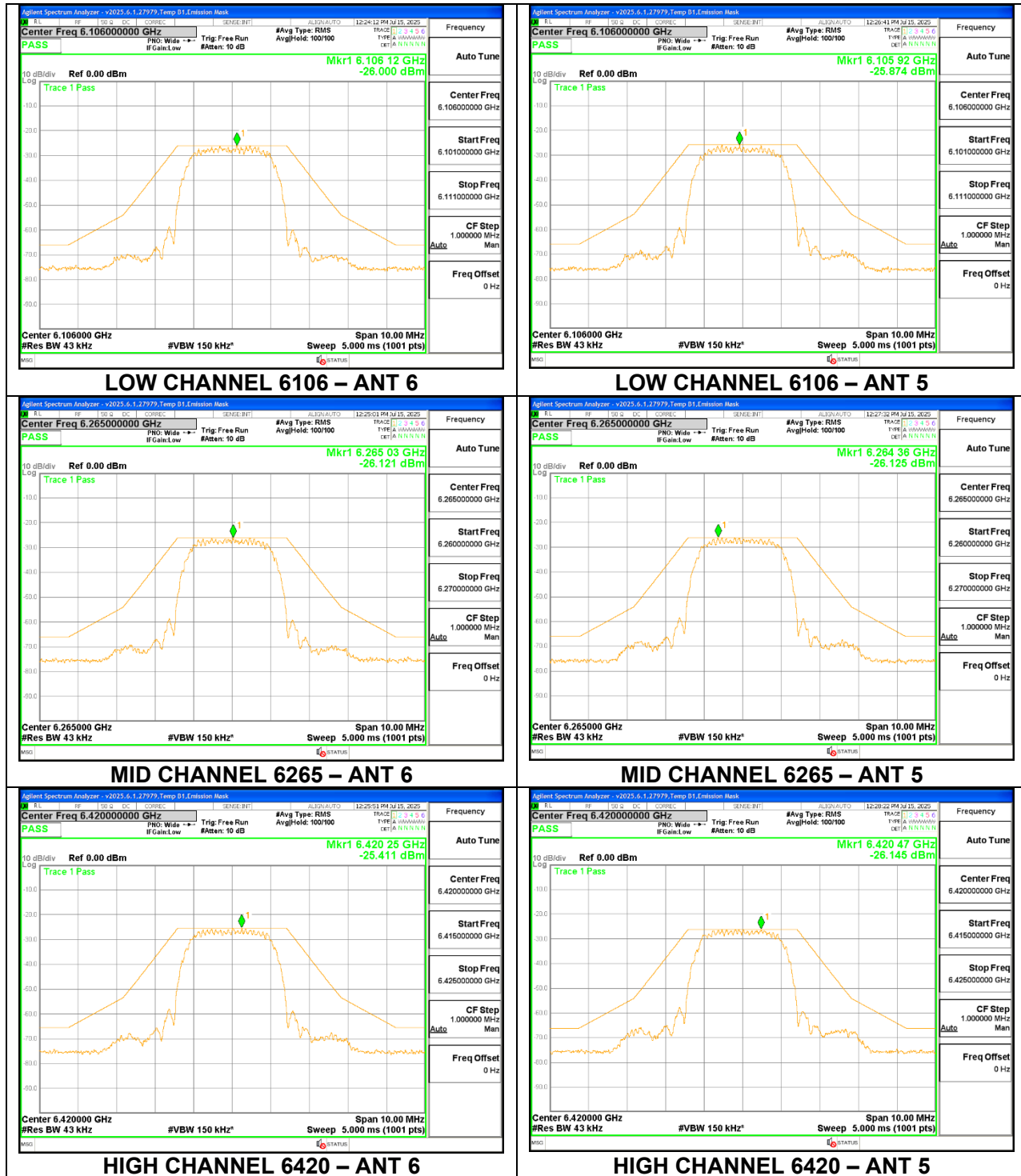
9.4.4. LOW POWER UNII-5 BAND MIMO TXBF MODE

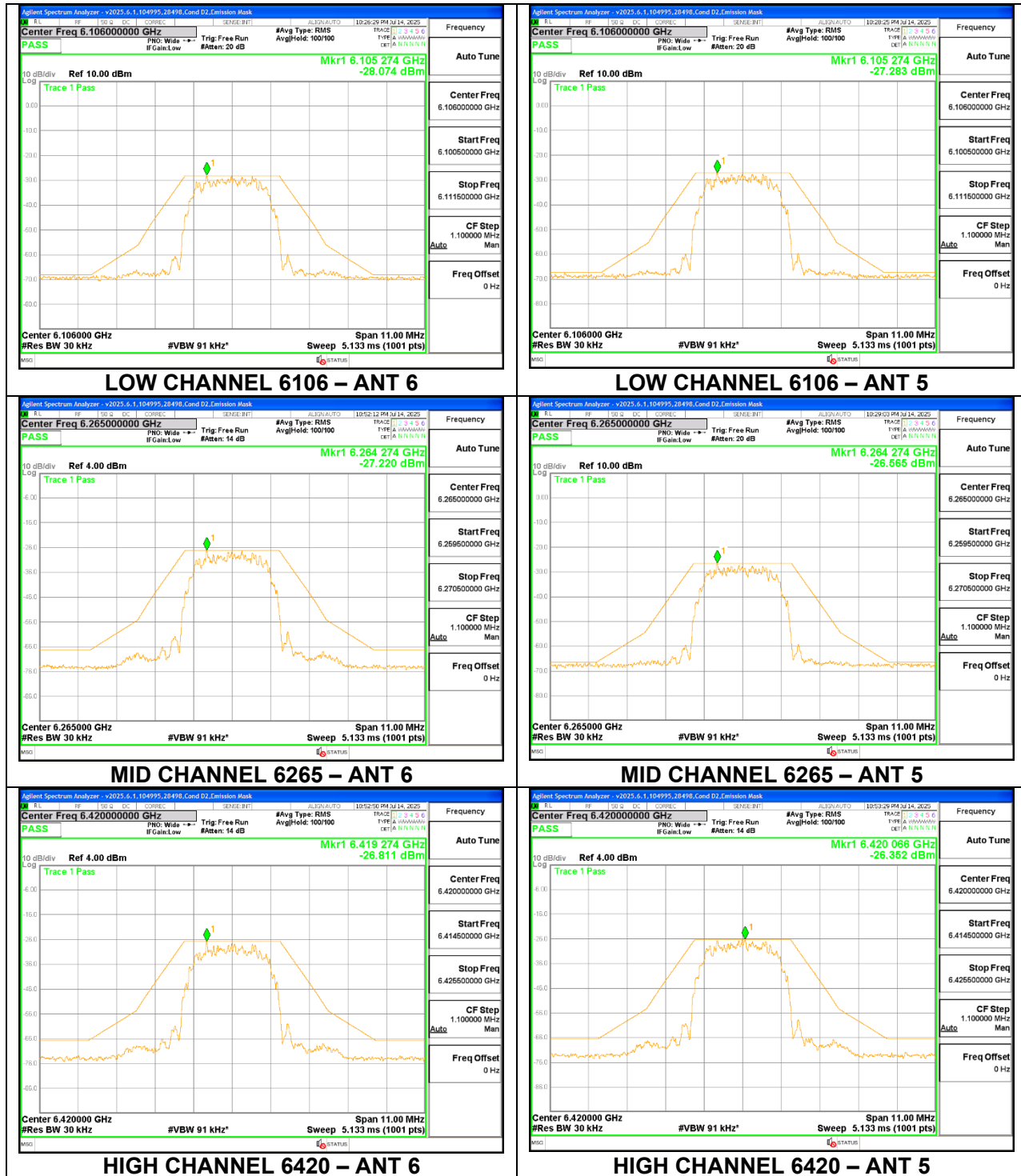
BDR

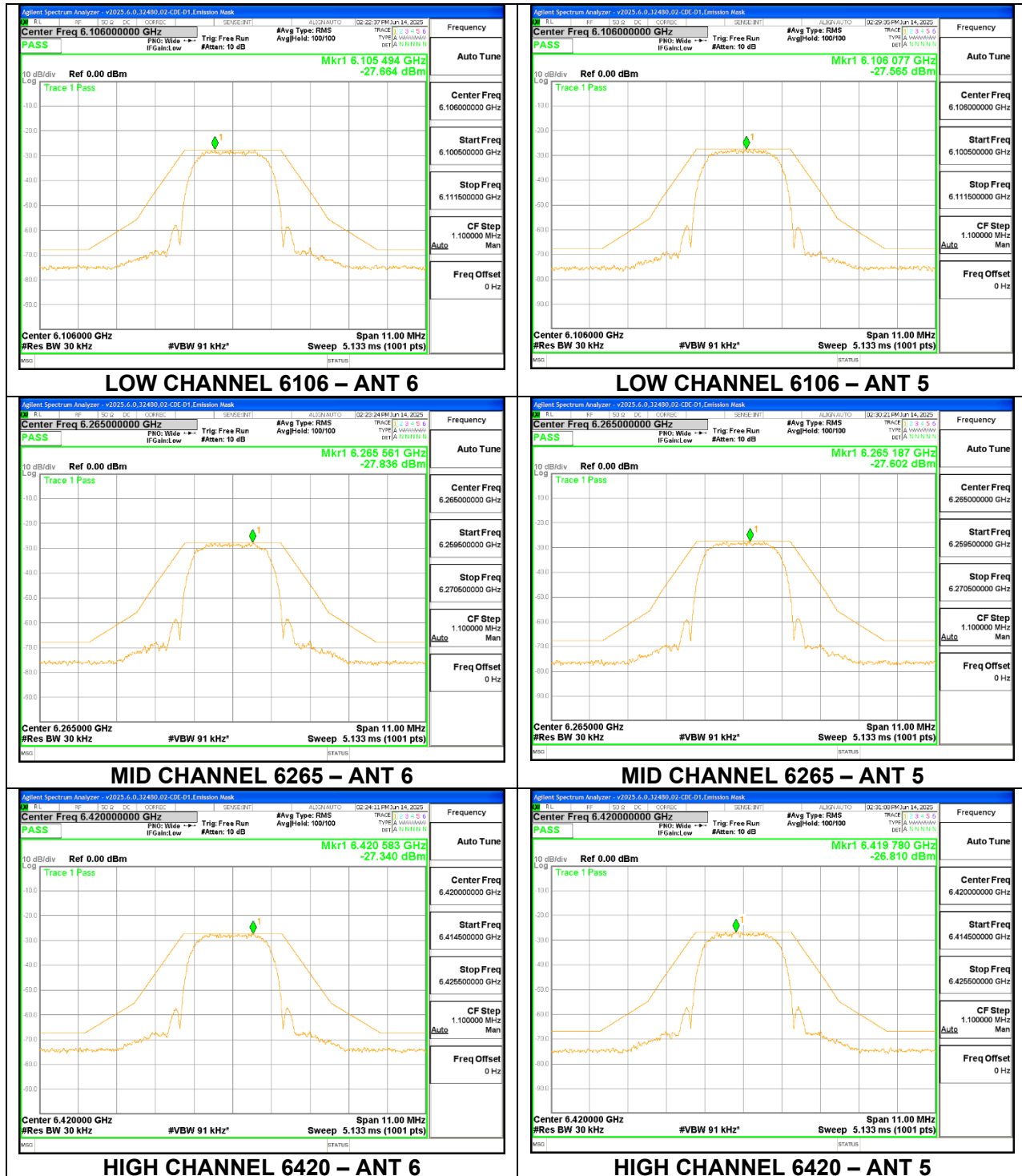


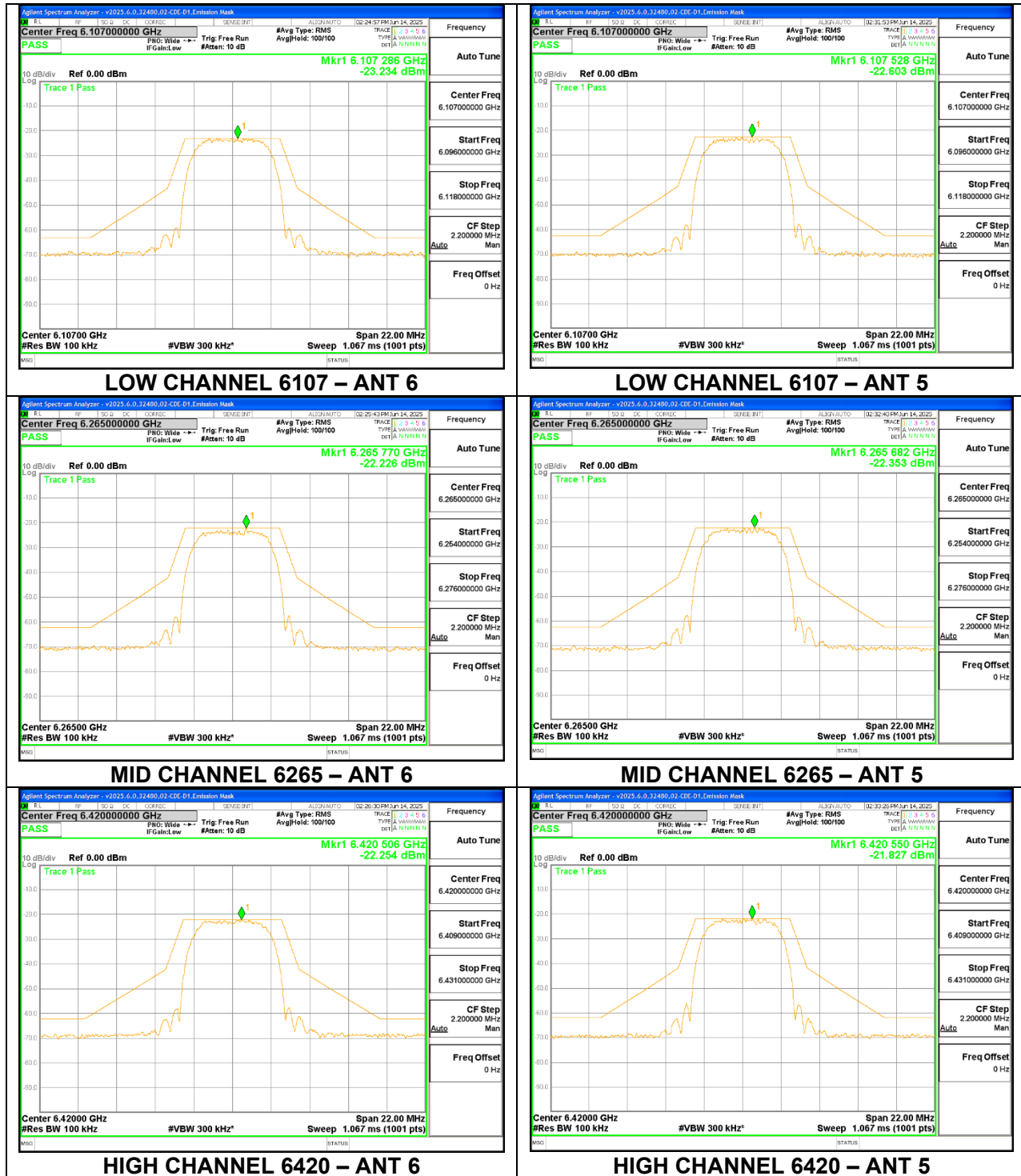
LE1M

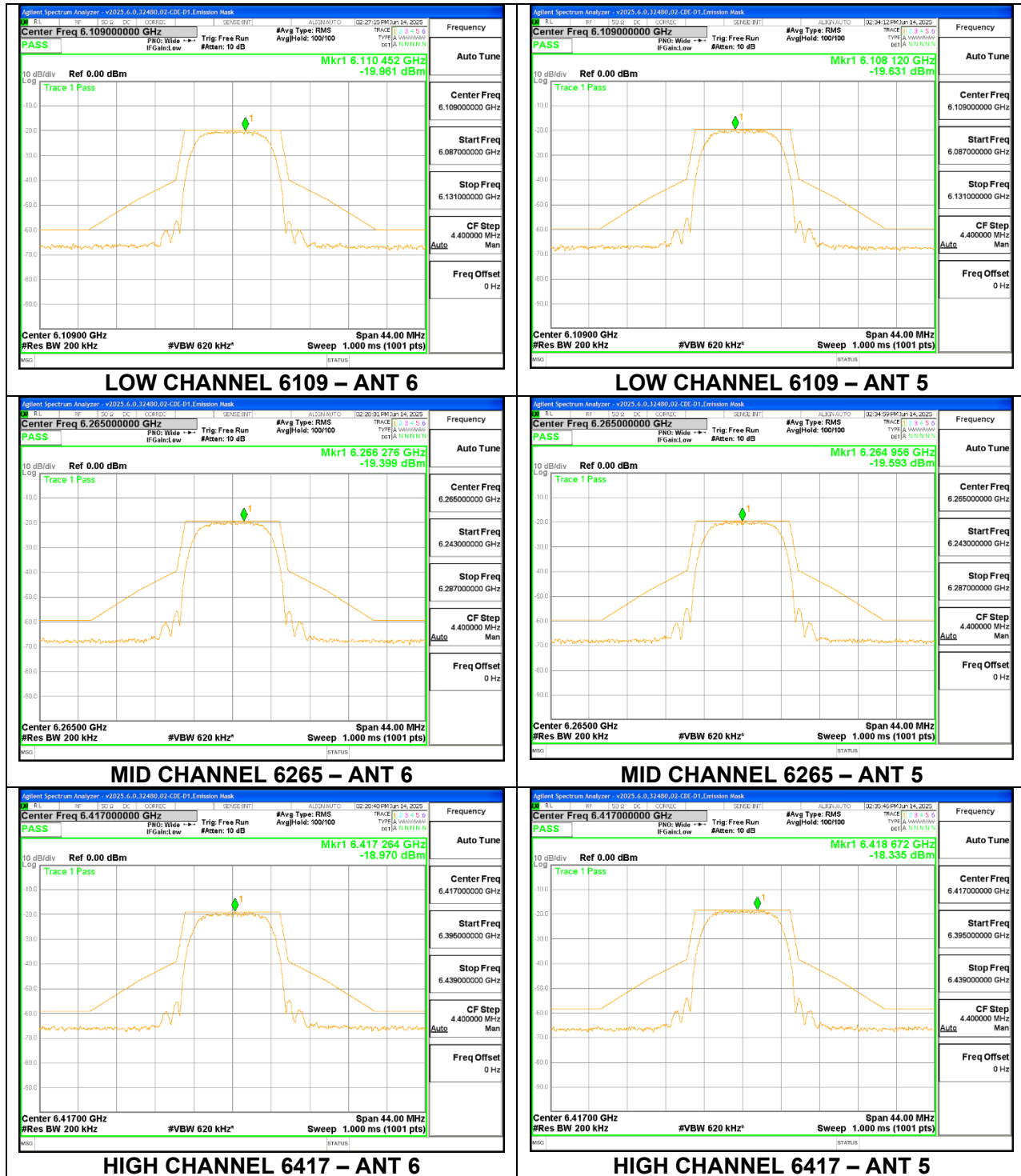
LE2M

HDT4

HDR4

XHDRPS2

HDRPM8

XHDRPL16

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.

RSS 248 4.5.6

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 HDR4 hopping low power mode.

Companion device used for testing only supports HDR4 IPA hopping mode thus that is the mode used for testing.

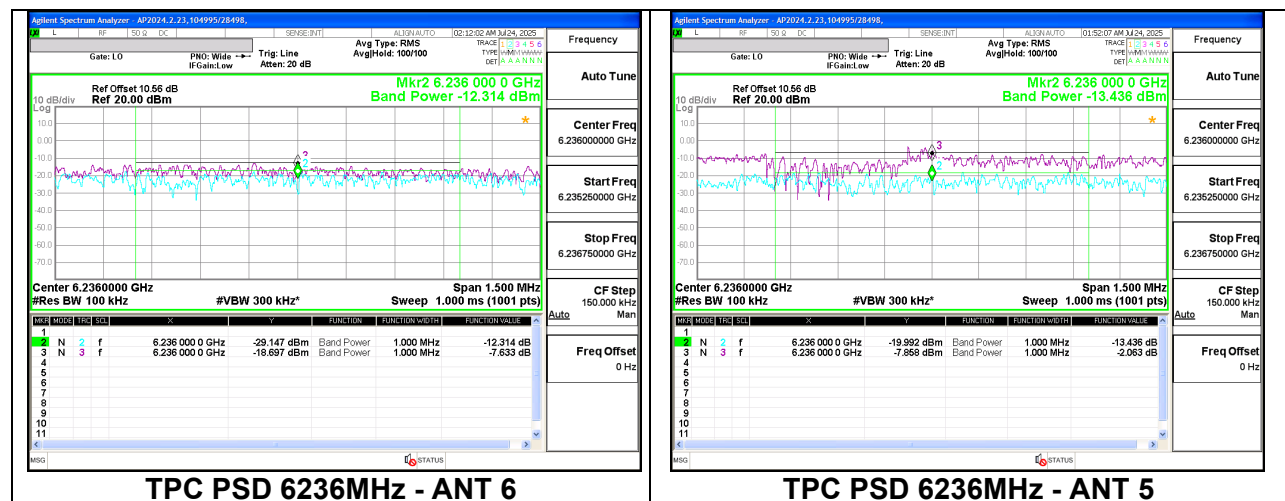
RESULTS

Mode	Antenna 6					Antenna 5				
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	-6.616	-12.314	-7.633	4.68	-11.30	-7.506	-13.436	-2.063	11.37	-18.88

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 HDR4 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 (dBuV)	Det	AF (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)
BDR	6106	6	5863.335	-63.63	Pk	35.1	11.8	0	-23.39	-40.12	-	-	-7	-33.12	325	101
			5889.001	-76.22	RMS	35.2	11.8	1.15	-23.29	-51.36	-27	-24.36	-	-	325	100
			5925	-66.39	Pk	35.2	11.8	0	-23.36	-42.75	-	-	-7	-35.75	325	101
			5925	-76.53	RMS	35.2	11.8	1.15	-23.36	-51.74	-27	-24.74	-	-	325	100
			5865.868	-65	Pk	35.1	11.8	0	-23.36	-41.46	-	-	-7	-34.46	322	107
			5902.868	-77.14	RMS	35.2	11.8	1.15	-23.28	-52.27	-27	-25.27	-	-	322	107
		5	5925	-67.88	Pk	35.2	11.8	0	-23.36	-44.24	-	-	-7	-37.24	322	107
			5925	-77.86	RMS	35.2	11.8	1.15	-23.36	-53.07	-27	-26.07	-	-	322	107
			5893.135	-76.99	RMS	35.2	11.8	1.15	-23.21	-52.05	-27	-25.05	-	-	93	127
			5900.335	-64.49	Pk	35.2	11.8	0	-23.28	-40.77	-	-	-7	-33.77	93	127
			5925	-67.04	Pk	35.2	11.8	0	-23.36	-43.4	-	-	-7	-36.4	93	127
			5925	-77.94	RMS	35.2	11.8	1.15	-23.36	-53.15	-27	-26.15	-	-	93	127
			5895.335	-76.96	RMS	35.2	11.8	1.15	-23.21	-52.02	-27	-25.02	-	-	15	160
			5916.401	-64.96	Pk	35.2	11.8	0	-23.37	-41.33	-	-	-7	-34.33	15	160
			5925	-67.11	Pk	35.2	11.8	0	-23.36	-43.47	-	-	-7	-36.47	15	160
			5925	-77.86	RMS	35.2	11.8	1.15	-23.36	-53.07	-27	-26.07	-	-	15	160
LE1M	6106	6	5.925	-51.77	Pk	35	11.8	0	-34.9	-39.87	-	-	-7	-32.87	267	101
			5.882868	-49.51	Pk	34.9	11.8	0	-34.71	-37.52	-	-	-7	-30.52	267	101
			5.925	-61.85	RMS	35	11.8	0.7	-34.9	-49.25	-27	-22.25	-	-	267	101
			5.903135	-61.13	RMS	34.9	11.8	0.7	-34.8	-48.53	-27	-21.53	-	-	267	101
			5.925	-52.18	Pk	35	11.8	0	-34.9	-40.28	-	-	-7	-33.28	203	101
			5.823734	-49.29	Pk	34.7	11.8	0	-34.6	-37.39	-	-	-7	-30.39	203	101
		5	5.925	-62.72	RMS	35	11.8	0.7	-34.9	-50.12	-27	-23.12	-	-	203	101
			5.870335	-61.29	RMS	34.8	11.8	0.7	-34.87	-48.86	-27	-21.86	-	-	203	101
			5.784934	-47.77	Pk	34.8	11.8	0	-36.82	-37.99	-	-	-7	-30.99	210	149
			5.917801	-60.62	RMS	35.2	11.8	0.7	-36.57	-49.49	-27	-22.49	-	-	210	149
			5.925	-50.88	Pk	35.2	11.8	0	-36.54	-40.42	-	-	-7	-33.42	210	149
			5.925	-61.37	RMS	35.2	11.8	0.7	-36.54	-50.21	-27	-23.21	-	-	210	149
		5	5.886401	-48.19	Pk	35.1	11.8	0	-36.61	-37.9	-	-	-7	-30.9	194	277
			5.893735	-60.63	RMS	35.1	11.8	0.7	-36.6	-49.63	-27	-22.63	-	-	194	277
			5.925	-51.3	Pk	35.2	11.8	0	-36.54	-40.84	-	-	-7	-33.84	194	277
			5.925	-61.88	RMS	35.2	11.8	0.7	-36.54	-50.72	-27	-23.72	-	-	194	277
LE2M	6106	6	5886.935	-64.7	Pk	35.2	11.8	0	-23.33	-41.03	-	-	-7	-34.03	325	100
			5889.735	-78.76	RMS	35.2	11.8	2.41	-23.2	-52.55	-27	-25.55	-	-	325	100
			5925	-66.76	Pk	35.2	11.8	0	-23.36	-43.12	-	-	-7	-36.12	325	100
			5925	-79.15	RMS	35.2	11.8	2.41	-23.36	-53.1	-27	-26.1	-	-	325	100
			5849.801	-64.54	Pk	35.1	11.8	0	-23.44	-41.08	-	-	-7	-34.08	322	108
			5909.001	-77.19	RMS	35.2	11.8	2.41	-23.24	-51.02	-27	-24.02	-	-	322	108
		5	5925	-67.68	Pk	35.2	11.8	0	-23.36	-44.04	-	-	-7	-37.04	322	108
			5925	-77.25	RMS	35.2	11.8	2.41	-23.36	-51.2	-27	-24.2	-	-	322	108
			5.874868	-61.6	RMS	35.1	11.8	2.41	-33.77	-46.06	-27	-19.06	-	-	114	244
			5.909001	-49.9	Pk	35.2	11.8	0	-33.84	-36.74	-	-	-7	-29.74	114	244
			5.925	-52.34	Pk	35.3	11.8	0	-33.72	-38.96	-	-	-7	-31.96	114	244
			5.925	-63.12	RMS	35.3	11.8	2.41	-33.72	-47.33	-27	-20.33	-	-	114	244
			5.837268	-61.51	RMS	35.1	11.8	2.41	-33.85	-46.05	-27	-19.05	-	-	96	235
			5.889001	-49.77	Pk	35.2	11.8	0	-33.66	-36.43	-	-	-7	-29.43	96	235
		5	5.925	-51.43	Pk	35.3	11.8	0	-33.72	-38.05	-	-	-7	-31.05	96	235
			5.925	-63.39	RMS	35.3	11.8	2.41	-33.72	-47.6	-27	-20.6	-	-	96	235
HDT4	6106	6	5.761267	-60.21	RMS	34.8	11.8	0.29	-36.73	-50.05	-27	-23.05	-	-	324	369
			5.922935	-47.9	Pk	35.2	11.8	0	-36.54	-37.44	-	-	-7	-30.44	324	369
			5.925	-50.88	Pk	35.2	11.8	0	-36.54	-40.42	-	-	-7	-33.42	324	369
			5.925	-62	RMS	35.2	11.8	0.29	-36.54	-51.25	-27	-24.25	-	-	324	369
			5.842668	-48.26	Pk	35	11.8	0	-36.76	-38.22	-	-	-7	-31.22	62	219
			5.919535	-60.76	RMS	35.2	11.8	0.29	-36.52	-49.99	-27	-22.99	-	-	62	219
		5	5.925	-50.66	Pk	35.2	11.8	0	-36.54	-40.2	-	-	-7	-33.2	62	219
			5.925	-61.9	RMS	35.2	11.8	0.29	-36.54	-51.15	-27	-24.15	-	-	62	219
			5.904601	-47.56	Pk	35.1	11.8	0	-36.62	-37.28	-	-	-7	-30.28	41	104
			5.924535	-60.55	RMS	35.2	11.8	0.29	-36.52	-49.78	-27	-22.78	-	-	41	104
			5.925	-50.53	Pk	35.2	11.8	0	-36.54	-40.07	-	-	-7	-33.07	41	104
			5.925	-62.28	RMS	35.2	11.8	0.29	-36.54	-51.53	-27	-24.53	-	-	41	104
			5.877135	-48.36	Pk	35.1	11.8	0	-36.66	-38.12	-	-	-7	-31.12	5	309
		5	5.889868	-60.41	RMS	35.1	11.8	0.29	-36.61	-49.83	-27	-22.83	-	-	5	309
			5.925	-50.81	Pk	35.2	11.8	0	-36.54	-40.35	-	-	-7	-33.35	5	309
			5.925	-61.99	RMS	35.2	11.8	0.29	-36.54	-51.24	-27	-24.24	-	-	5	309

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

Pk - Peak detector

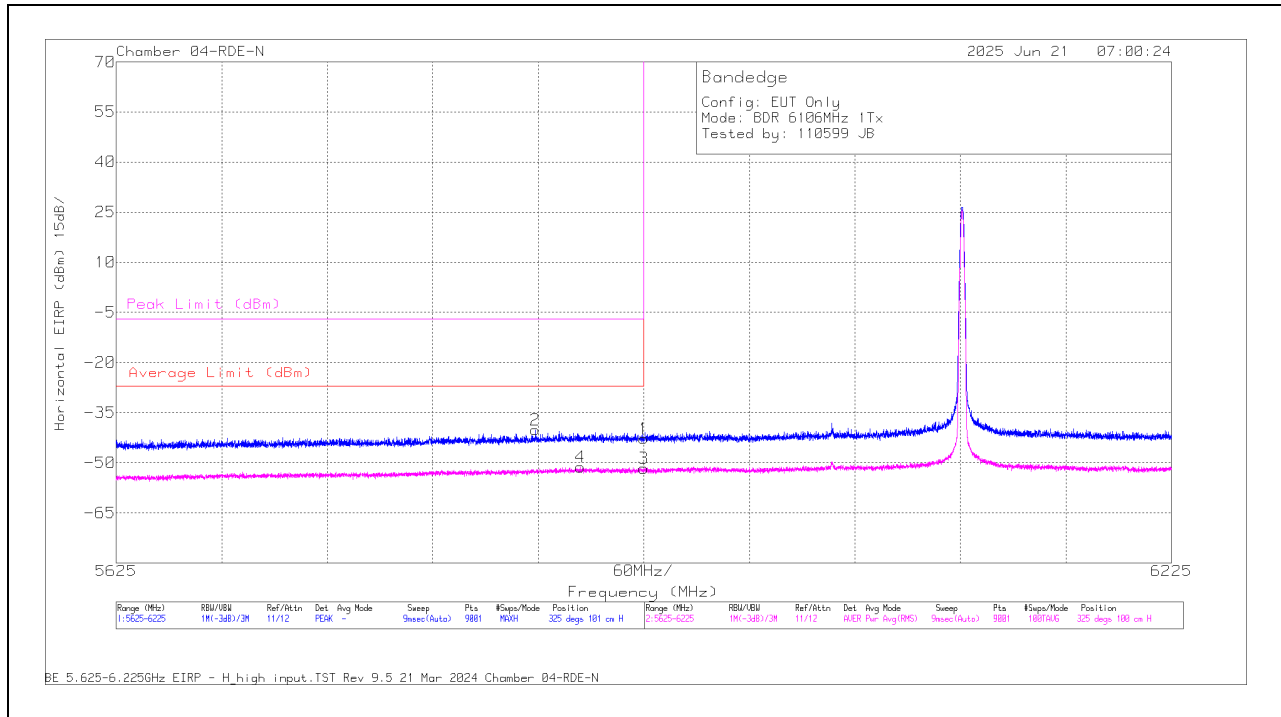
RMS - RMS detection

UNII-5 (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	6106	6	5899.401	-63.63	Pk	35.2	11.8	0	-23.24	-39.87	-	-	-7	-32.87	325	100	H
			5906.801	-77.61	RMS	35.2	11.8	1.3	-23.33	-52.64	-27	-25.64	-	-	325	100	H
			5925	-66.02	Pk	35.2	11.8	0	-23.36	-42.38	-	-	-7	-35.38	325	100	H
			5925	-78.26	RMS	35.2	11.8	1.3	-23.36	-53.32	-27	-26.32	-	-	325	100	H
			5894.401	-76.86	RMS	35.2	11.8	1.3	-23.23	-51.79	-27	-24.79	-	-	322	108	V
			5899.668	-65.14	Pk	35.2	11.8	0	-23.25	-41.39	-	-	-7	-34.39	322	108	V
			5925	-67.08	Pk	35.2	11.8	0	-23.36	-43.44	-	-	-7	-36.44	322	108	V
			5925	-78.1	RMS	35.2	11.8	1.3	-23.36	-53.16	-27	-26.16	-	-	322	108	V
		5	5892.935	-76.74	RMS	35.2	11.8	1.3	-23.21	-51.65	-27	-24.65	-	-	57	237	H
			5893.135	-64.63	Pk	35.2	11.8	0	-23.21	-40.84	-	-	-7	-33.84	57	237	H
			5925	-66.81	Pk	35.2	11.8	0	-23.36	-43.17	-	-	-7	-36.17	57	237	H
			5925	-78.06	RMS	35.2	11.8	1.3	-23.36	-53.12	-27	-26.12	-	-	57	237	H
			5845.068	-64.73	Pk	35.1	11.8	0	-23.46	-41.29	-	-	-7	-34.29	29	113	V
			5896.535	-76.7	RMS	35.2	11.8	1.3	-23.23	-51.63	-27	-24.63	-	-	29	113	V
			5925	-66.91	Pk	35.2	11.8	0	-23.36	-43.27	-	-	-7	-36.27	29	113	V
			5925	-77.77	RMS	35.2	11.8	1.3	-23.36	-52.83	-27	-25.83	-	-	29	113	V
XHDRPS2	6106	6	5.860801	-66.77	Pk	34.9	11.8	0	-16.2	-36.27	-	-	-7	-29.27	249	139	H
			5.904001	-78.9	RMS	35	11.8	0	-16.3	-48.4	-27	-21.4	-	-	249	139	H
			5.925	-69.48	Pk	35.1	11.8	0	-16.2	-38.78	-	-	-7	-31.78	249	139	H
			5.925	-79.88	RMS	35.1	11.8	0	-16.2	-49.18	-27	-22.18	-	-	249	139	H
			5.829668	-66.94	Pk	34.9	11.8	0	-16.8	-37.04	-	-	-7	-30.04	231	107	V
			5.847801	-79.33	RMS	34.9	11.8	0	-16.3	-48.93	-27	-21.93	-	-	231	107	V
			5.925	-70.34	Pk	35.1	11.8	0	-16.2	-39.64	-	-	-7	-32.64	231	107	V
			5.925	-80.51	RMS	35.1	11.8	0	-16.2	-49.81	-27	-22.81	-	-	231	107	V
		5	5876.001	-76.88	RMS	35.1	11.8	0	-23.33	-53.31	-27	-26.31	-	-	47	253	H
			5918.668	-64.14	Pk	35.2	11.8	0	-23.36	-40.5	-	-	-7	-33.5	47	253	H
			5925	-66.33	Pk	35.2	11.8	0	-23.36	-42.69	-	-	-7	-35.69	47	253	H
			5925	-77.67	RMS	35.2	11.8	0	-23.36	-54.03	-27	-27.03	-	-	47	253	H
			5899.001	-76.82	RMS	35.2	11.8	0	-23.23	-53.05	-27	-26.05	-	-	30	155	V
			5905.335	-64.91	Pk	35.2	11.8	0	-23.31	-41.22	-	-	-7	-34.22	30	155	V
			5925	-66.51	Pk	35.2	11.8	0	-23.36	-42.87	-	-	-7	-35.87	30	155	V
			5925	-77.99	RMS	35.2	11.8	0	-23.36	-54.35	-27	-27.35	-	-	30	155	V
HDRPM8	6107	6	5.908001	-79.11	RMS	35	11.8	0.3	-16.3	-48.31	-27	-21.31	-	-	20	105	H
			5.912601	-67.64	Pk	35.1	11.8	0	-16.2	-36.94	-	-	-7	-29.94	20	105	H
			5.925	-69.85	Pk	35.1	11.8	0	-16.2	-39.15	-	-	-7	-32.15	20	105	H
			5.925	-80.47	RMS	35.1	11.8	0.3	-16.2	-49.47	-27	-22.47	-	-	20	105	H
			5.859001	-78.93	RMS	34.9	11.8	0.3	-16.2	-48.13	-27	-21.13	-	-	308	198	V
			5.907268	-67.54	Pk	35	11.8	0	-16.4	-37.14	-	-	-7	-30.14	308	198	V
			5.925	-69.89	Pk	35.1	11.8	0	-16.2	-39.19	-	-	-7	-32.19	308	198	V
			5.925	-79.67	RMS	35.1	11.8	0.3	-16.2	-48.67	-27	-21.67	-	-	308	198	V
		5	5.925	-49.75	Pk	35.4	11.8	0	-37.5	-40.05	-	-	-7	-33.05	300	152	H
			5.898868	-48.08	Pk	35.4	11.8	0	-37.58	-38.46	-	-	-7	-31.46	300	152	H
			5.925	-60.94	RMS	35.4	11.8	0.3	-37.5	-50.94	-27	-23.94	-	-	300	152	H
			5.911201	-59.9	RMS	35.4	11.8	0.3	-37.57	-49.97	-27	-22.97	-	-	300	152	H
			5.925	-50.65	Pk	35.4	11.8	0	-37.5	-40.95	-	-	-7	-33.95	322	151	V
			5.883001	-47.6	Pk	35.4	11.8	0	-37.57	-37.97	-	-	-7	-30.97	322	151	V
			5.925	-60.63	RMS	35.4	11.8	0.3	-37.5	-50.63	-27	-23.63	-	-	322	151	V
			5.883935	-60	RMS	35.4	11.8	0.3	-37.54	-50.04	-27	-23.04	-	-	322	151	V
XHDRPL16	6109	6	5.885401	-78.94	RMS	35	11.8	0.2	-16.3	-48.24	-27	-21.24	-	-	126	117	H
			5.890201	-68.08	Pk	35	11.8	0	-16.3	-37.58	-	-	-7	-30.58	126	117	H
			5.925	-70.36	Pk	35.1	11.8	0	-16.2	-39.66	-	-	-7	-32.66	126	117	H
			5.925	-80.7	RMS	35.1	11.8	0.2	-16.2	-49.8	-27	-22.8	-	-	126	117	H
			5.802801	-66.97	Pk	34.8	11.8	0	-16.8	-37.17	-	-	-7	-30.17	137	107	V
			5.922801	-79.29	RMS	35.1	11.8	0.2	-16.3	-48.49	-27	-21.49	-	-	137	107	V
			5.925	-70.69	Pk	35.1	11.8	0	-16.2	-39.99	-	-	-7	-32.99	137	107	V
			5.925	-80.49	RMS	35.1	11.8	0.2	-16.2	-49.59	-27	-22.59	-	-	137	107	V
		5	5.925	-50.29	Pk	35.4	11.8	0	-37.5	-40.59	-	-	-7	-33.59	309	189	H
			5.7176	-47.73	Pk	35.1	11.8	0	-37.9	-38.73	-	-	-7	-31.73	309	189	H
			5.925	-61.11	RMS	35.4	11.8	0.2	-37.5	-51.21	-27	-24.21	-	-	309	189	H
			5.921601	-59.92	RMS	35.4	11.8	0.2	-37.56	-50.08	-27	-23.08	-	-	309	189	H
			5.925	-50.76	Pk	35.4	11.8	0	-37.5	-41.06	-	-	-7	-34.06	325	225	V
			5.737067	-47.71	Pk	35.2	11.8	0	-37.89	-38.6	-	-	-7	-31.6	325	225	V
			5.925	-61.76	RMS	35.4	11.8	0.2	-37.5	-51.86	-27	-24.86	-	-	325	225	V
			5.892201	-59.93	RMS	35.4	11.8	0.2	-37.52	-50.05	-27	-23.05	-	-	325	225	V

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

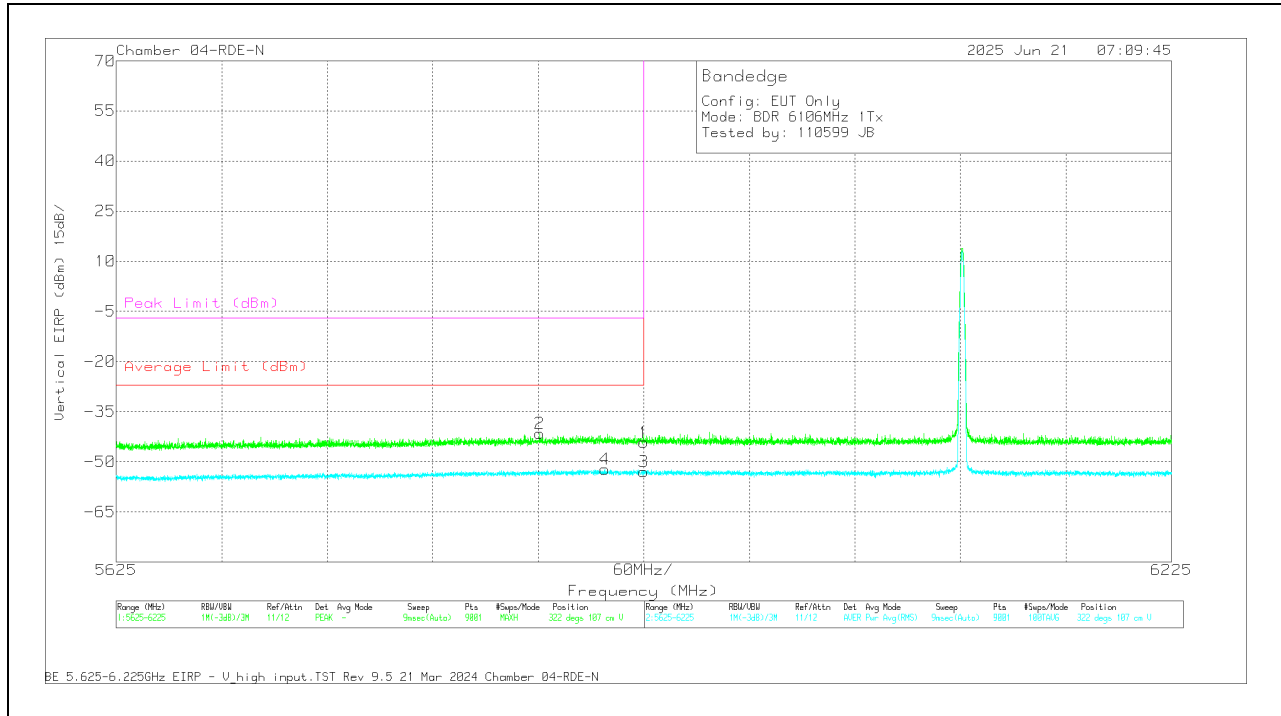
Pk - Peak detector

RMS - RMS detection

1TX Antenna 6:**BANDEDGE (LOW CHANNEL / 6106MHz)****HORIZONTAL RESULT**

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	41112 ACF (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading EIRP (dBm)	Average Limit (dBm)	Margin (dB)	Peak Limit (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5863.335	-63.63	Pk	35.1	11.8	0	-23.39	-40.12	-	-	-7	-33.12	325	101	H
4	5889.001	-76.22	RMS	35.2	11.8	1.15	-23.29	-51.36	-27	-24.36	-	-	325	100	H
1	5925	-66.39	Pk	35.2	11.8	0	-23.36	-42.75	-	-	-7	-35.75	325	101	H
3	5925	-76.53	RMS	35.2	11.8	1.15	-23.36	-51.74	-27	-24.74	-	-	325	100	H

PK - Peak detector
RMS - RMS detection

VERTICAL RESULT

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	41112 ACF (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading EIRP (dBm)	Average Limit (dBm)	Margin (dB)	Peak Limit (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5865.868	-65	Pk	35.1	11.8	0	-23.36	-41.46	-	-	-7	-34.46	322	107	V
4	5902.868	-77.14	RMS	35.2	11.8	1.15	-23.28	-52.27	-27	-25.27	-	-	322	107	V
1	5925	-67.88	Pk	35.2	11.8	0	-23.36	-44.24	-	-	-7	-37.24	322	107	V
3	5925	-77.86	RMS	35.2	11.8	1.15	-23.36	-53.07	-27	-26.07	-	-	322	107	V

Pk - Peak detector
RMS - RMS detection

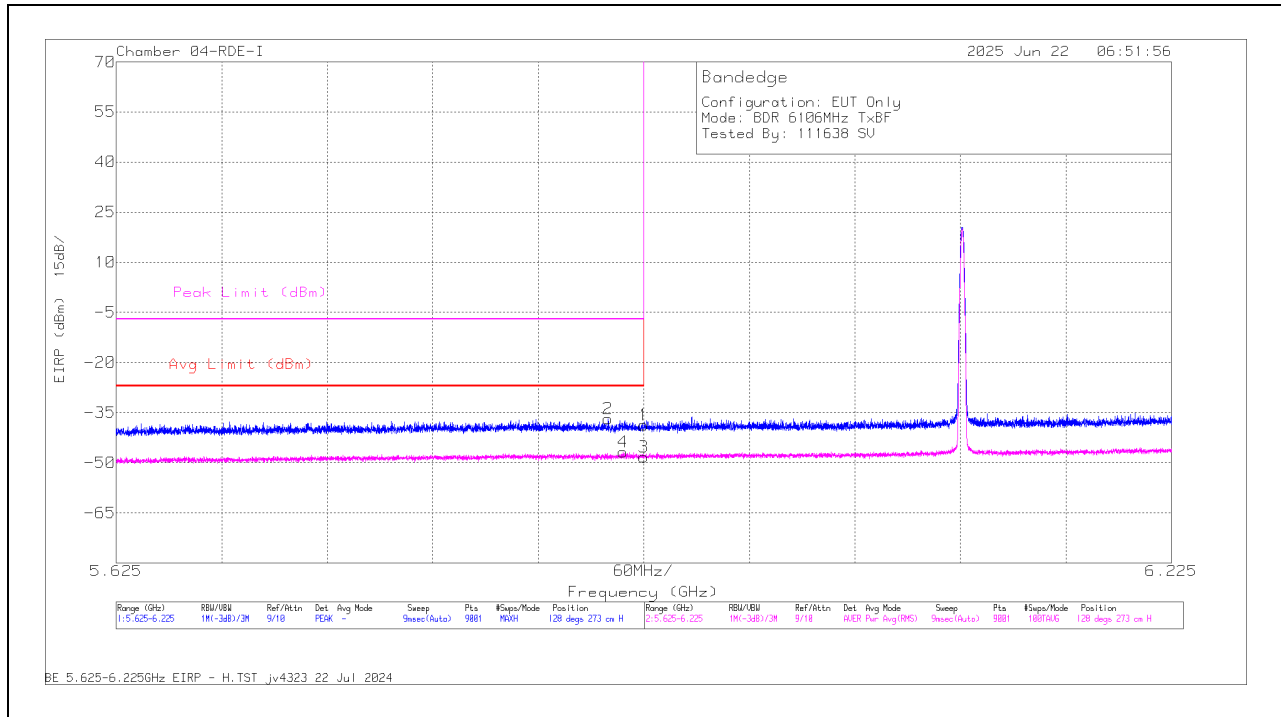
11.1.2. UNII-5 BAND MIMO MODE – BANDEDGE – HIGH POWER

UNII-5 (MIMO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR	6106	6 + 5	5.904535	-67.34	Pk	35	11.8	0	-16.3	-36.84	-	-	-7	-29.84	128	273	H
			5.913335	-78.69	RMS	35.1	11.8	1.15	-16.2	-46.84	-27	-19.84	-	-	128	273	H
			5.925	-69.38	Pk	35.1	11.8	0	-16.2	-38.68	-	-	-7	-31.68	128	273	H
			5.925	-80.1	RMS	35.1	11.8	1.15	-16.2	-48.25	-27	-21.25	-	-	128	273	H
			5.815401	-66.42	Pk	34.8	11.8	0	-16.7	-36.52	-	-	-7	-29.52	116	272	V
			5.875535	-78.99	RMS	35	11.8	1.15	-16.3	-47.34	-27	-20.34	-	-	116	272	V
			5.925	-69.79	Pk	35.1	11.8	0	-16.2	-39.09	-	-	-7	-32.09	116	272	V
			5.925	-79.72	RMS	35.1	11.8	1.15	-16.2	-47.87	-27	-20.87	-	-	116	272	V
LE1M	6106	6 + 5	5.925	-48.61	Pk	35.4	11.8	0	-37.5	-38.91	-	-	-7	-31.91	181	124	H
			5.916001	-48.07	Pk	35.4	11.8	0	-37.54	-38.41	-	-	-7	-31.41	181	124	H
			5.925	-61.06	RMS	35.4	11.8	0.7	-37.5	-50.66	-27	-23.66	-	-	181	124	H
			5.872268	-59.87	RMS	35.4	11.8	0.7	-37.61	-49.58	-27	-22.58	-	-	181	124	H
			5.925	-49.62	Pk	35.4	11.8	0	-37.5	-39.92	-	-	-7	-32.92	270	230	V
			5.914001	-47.95	Pk	35.4	11.8	0	-37.53	-38.28	-	-	-7	-31.28	270	230	V
			5.925	-61.26	RMS	35.4	11.8	0.7	-37.5	-50.86	-27	-23.86	-	-	270	230	V
			5.901001	-60.09	RMS	35.4	11.8	0.7	-37.52	-49.71	-27	-22.71	-	-	270	230	V
LE2M	6106	6 + 5	5.886668	-79.01	RMS	35	11.8	2.41	-16.3	-46.1	-27	-19.1	-	-	118	159	H
			5.920201	-67.28	Pk	35.1	11.8	0	-16.3	-36.68	-	-	-7	-29.68	118	159	H
			5.925	-69.56	Pk	35.1	11.8	0	-16.2	-38.86	-	-	-7	-31.86	118	159	H
			5.925	-80.83	RMS	35.1	11.8	2.41	-16.2	-47.72	-27	-20.72	-	-	118	159	H
			5.911001	-67.13	Pk	35.1	11.8	0	-16.3	-36.53	-	-	-7	-29.53	133	220	V
			5.912335	-79.19	RMS	35.1	11.8	2.41	-16.2	-46.08	-27	-19.08	-	-	133	220	V
			5.925	-70.3	Pk	35.1	11.8	0	-16.2	-39.6	-	-	-7	-32.6	133	220	V
			5.925	-80.01	RMS	35.1	11.8	2.41	-16.2	-46.9	-27	-19.9	-	-	133	220	V
HDT4	6106	6 + 5	5.751401	-47.99	Pk	34.8	11.8	0	-36.87	-38.26	-	-	-7	-31.26	2	113	H
			5.919268	-60.74	RMS	35.2	11.8	0.29	-36.52	-49.97	-27	-22.97	-	-	2	113	H
			5.925	-50.87	Pk	35.2	11.8	0	-36.54	-40.41	-	-	-7	-33.41	2	113	H
			5.925	-61.46	RMS	35.2	11.8	0.29	-36.54	-50.71	-27	-23.71	-	-	2	113	H
			5.751534	-48.01	Pk	34.8	11.8	0	-36.86	-38.27	-	-	-7	-31.27	55	208	V
			5.918535	-60.9	RMS	35.2	11.8	0.29	-36.54	-50.15	-27	-23.15	-	-	55	208	V
			5.925	-51.77	Pk	35.2	11.8	0	-36.54	-41.31	-	-	-7	-34.31	55	208	V
			5.925	-61.56	RMS	35.2	11.8	0.29	-36.54	-50.81	-27	-23.81	-	-	55	208	V
HDR4	6106	6 + 5	5.889335	-78.95	RMS	35	11.8	1.3	-16.3	-47.15	-27	-20.15	-	-	122	292	H
			5.905668	-67.18	Pk	35	11.8	0	-16.3	-36.68	-	-	-7	-29.68	122	292	H
			5.925	-70.05	Pk	35.1	11.8	0	-16.2	-39.35	-	-	-7	-32.35	122	292	H
			5.925	-80.37	RMS	35.1	11.8	1.3	-16.2	-48.37	-27	-21.37	-	-	122	292	H
			5.880801	-66.7	Pk	35	11.8	0	-16.4	-36.3	-	-	-7	-29.3	111	270	V
			5.923668	-79.07	RMS	35.1	11.8	1.3	-16.2	-47.07	-27	-20.07	-	-	111	270	V
			5.925	-70.29	Pk	35.1	11.8	0	-16.2	-39.59	-	-	-7	-32.59	111	270	V
			5.925	-79.68	RMS	35.1	11.8	1.3	-16.2	-47.68	-27	-20.68	-	-	111	270	V
XHDPSP2	6106	6 + 5	5.727867	-71.37	RMS	34.8	11.8	0	-23.1	-47.87	-27	-20.87	-	-	77	102	H
			5.804601	-59.4	Pk	34.9	11.8	0	-23	-35.7	-	-	-7	-28.7	77	102	H
			5.925	-62.84	Pk	35.2	11.8	0	-23.7	-39.54	-	-	-7	-32.54	77	102	H
			5.925	-73.45	RMS	35.2	11.8	0	-23.7	-50.15	-27	-23.15	-	-	77	102	H
			5.779467	-59.63	Pk	34.9	11.8	0	-23.2	-36.13	-	-	-7	-29.13	86	224	V
			5.819468	-71.29	RMS	34.9	11.8	0	-23.3	-47.89	-27	-20.89	-	-	86	224	V
			5.925	-63.24	Pk	35.2	11.8	0	-23.7	-39.94	-	-	-7	-32.94	86	224	V
			5.925	-73.61	RMS	35.2	11.8	0	-23.7	-50.31	-27	-23.31	-	-	86	224	V
HDRPM8	6107	6 + 5	5.859601	-79.36	RMS	34.9	11.8	0.3	-16.2	-48.56	-27	-21.56	-	-	43	111	H
			5.866135	-66.37	Pk	34.9	11.8	0	-16.4	-36.07	-	-	-7	-29.07	43	111	H
			5.925	-68.67	Pk	35.1	11.8	0	-16.2	-37.97	-	-	-7	-30.97	43	111	H
			5.925	-80.85	RMS	35.1	11.8	0.3	-16.2	-49.85	-27	-22.85	-	-	43	111	H
			5.859868	-67.33	Pk	34.9	11.8	0	-16.2	-36.83	-	-	-7	-29.83	351	106	V
			5.871001	-78.95	RMS	34.9	11.8	0.3	-16.2	-48.15	-27	-21.15	-	-	351	106	V
			5.925	-69.9	Pk	35.1	11.8	0	-16.2	-39.2	-	-	-7	-32.2	351	106	V
			5.925	-80.12	RMS	35.1	11.8	0.3	-16.2	-49.12	-27	-22.12	-	-	351	106	V
XHDPRL16	6109	6 + 5	5.727134	-59.58	Pk	34.8	11.8	0	-23.1	-36.08	-	-	-7	-29.08	39	234	H
			5.801334	-71.65	RMS	34.9	11.8	0.2	-23	-47.75	-27	-20.75	-	-	39	234	H
			5.925	-62.86	Pk	35.2	11.8	0	-23.7	-39.56	-	-	-7	-32.56	39	234	H
			5.925	-73.49	RMS	35.2	11.8	0.2	-23.7	-49.99	-27	-22.99	-	-	39	234	H
			5.707	-59.16	Pk	34.7	11.8	0	-23.3	-35.96	-	-	-7	-28.96	87	194	V
			5.788401	-71.59	RMS	34.9	11.8	0.2	-23	-47.69	-27	-20.69	-	-	87	194	V
			5.925	-62.27	Pk	35.2	11.8	0	-23.7	-38.97	-	-	-7	-31.97	87	194	V
			5.925	-73.49	RMS	35.2	11.8	0.2	-23.7	-49.99	-27	-22.99	-	-	87	194	V

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

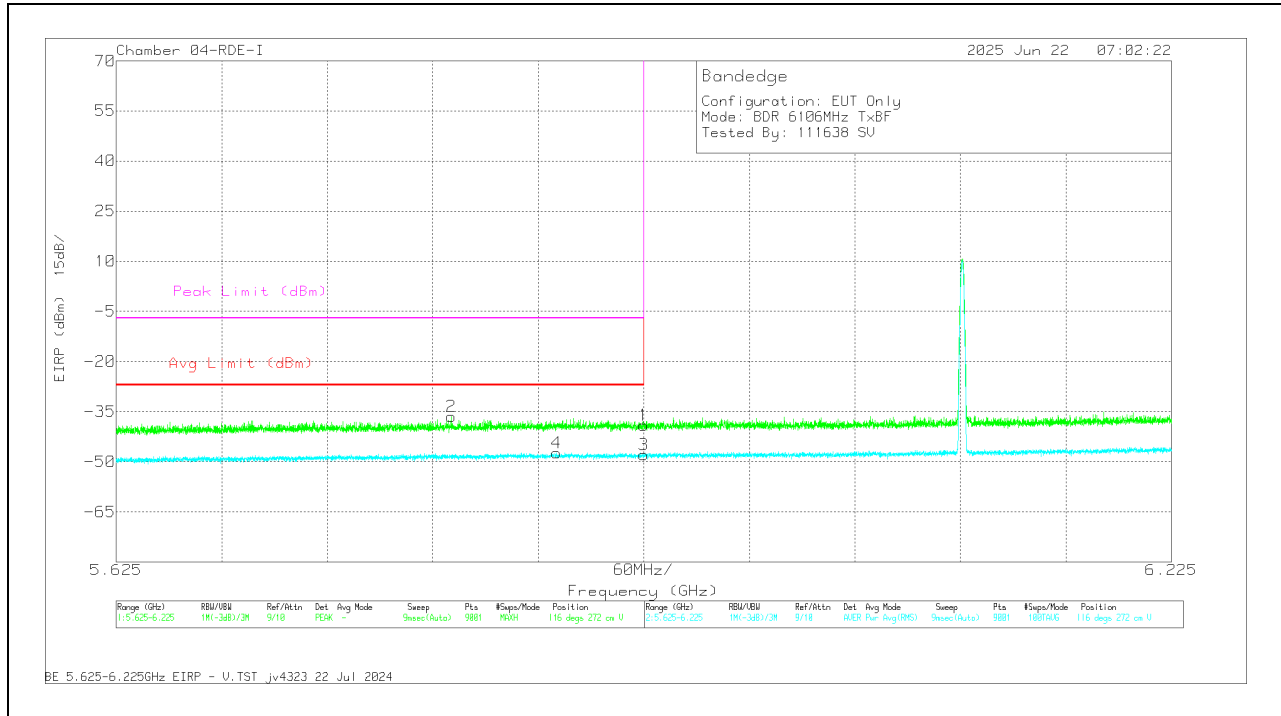
Pk - Peak detector

RMS - RMS detection

2TX Antennas 6 + 5:**BANDEDGE (LOW CHANNEL / 6106MHz)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP (dBm)	Avg Limit (dBm)	RMS Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.904535	-67.34	Pk	35	-16.3	11.8	0	-36.84	-	-	-7	-29.84	128	273	H
4	5.913335	-78.69	RMS	35.1	-16.2	11.8	1.15	-46.84	-27	-19.84	-	-	128	273	H
1	5.925	-69.38	Pk	35.1	-16.2	11.8	0	-38.68	-	-	-7	-31.68	128	273	H
3	5.925	-80.1	RMS	35.1	-16.2	11.8	1.15	-48.25	-27	-21.25	-	-	128	273	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	222740 ACF (dB/m)	Amp/Cbl/Pad (dB)	Conversion Factor (dB)	DCCF (dB)	Corrected Reading EIRP (dBm)	Avg Limit (dBm)	RMS Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.815401	-66.42	PK	34.8	-16.7	11.8	0	-36.52	-	-	-7	-29.52	116	272	V
4	5.875535	-78.99	RMS	35	-16.3	11.8	1.15	-47.34	-27	-20.34	-	-	116	272	V
1	5.925	-69.79	PK	35.1	-16.2	11.8	0	-39.09	-	-	-7	-32.09	116	272	V
3	5.925	-79.72	RMS	35.1	-16.2	11.8	1.15	-47.87	-27	-20.87	-	-	116	272	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	AF (dB/m)	Amp/Cbl/ Filt/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
BDR	6106	6 + 5	* 8.337199	54.68	PK-U	36.1	-43.6	0	47.18	-	-	74	-26.82	170	315	H
			* 8.361173	43.1	ADR	36.1	-43.7	1.15	36.65	54	-17.35	-	-	170	315	H
			* 12.209086	53.53	PK-U	39.3	-41.11	0	51.72	-	-	74	-22.28	194	167	H
			* 12.195043	41.39	ADR	39.3	-41.1	1.15	40.74	54	-13.26	-	-	194	167	H
			* 8.337547	54.76	PK-U	36.1	-43.6	0	47.26	-	-	74	-26.74	58	269	V
			* 8.355814	43	ADR	36.1	-43.68	1.15	36.57	54	-17.43	-	-	58	269	V
			* 12.193303	53.48	PK-U	39.3	-41.2	0	51.58	-	-	74	-22.42	136	352	V
			* 12.196399	41.47	ADR	39.3	-41.2	1.15	40.72	54	-13.28	-	-	136	352	V
			3.044714	58.09	PK-U	33.4	-47.37	0	44.12	-	-	88.2	-44.08	222	224	V
			3.04663	46.52	ADR	33.4	-47.36	1.15	33.71	68.2	-34.49	-	-	222	224	V
BDR	6265	6 + 5	3.052189	46.41	ADR	33.4	-47.4	1.15	33.56	68.2	-34.64	-	-	183	260	H
			3.058433	58.33	PK-U	33.4	-47.46	0	44.27	-	-	88.2	-43.93	183	260	H
			* 9.061673	57.46	PK-U	36.4	-44.27	0	49.59	-	-	74	-24.41	0	101	H
			* 9.060635	45.53	ADR	36.4	-44.27	1.15	38.81	54	-15.19	-	-	0	101	H
			* 9.118571	57.33	PK-U	36.4	-44.26	0	49.47	-	-	74	-24.53	0	101	V
			* 9.117757	45.58	ADR	36.4	-44.27	1.15	38.86	54	-15.14	-	-	0	101	V
			2.136249	47.52	ADR	31.3	-48.6	1.15	31.37	68.2	-36.83	-	-	0	101	H
			2.136593	59.12	PK-U	31.3	-48.59	0	41.83	-	-	88.2	-46.37	0	101	H
			2.425589	47.81	ADR	32.2	-48.91	1.15	32.25	68.2	-35.95	-	-	0	101	V
			2.42657	59.67	PK-U	32.2	-48.9	0	42.97	-	-	88.2	-45.23	0	101	V
BDR	6420	6 + 5	17.016079	45.97	ADR	41.4	-42.69	1.15	45.83	68.2	-22.37	-	-	0	101	H
			17.018509	57.84	PK-U	41.4	-42.73	0	56.51	-	-	88.2	-31.69	0	101	H
			17.640045	58.85	PK-U	41.6	-43.53	0	56.92	-	-	88.2	-31.28	0	200	V
			17.642665	47.11	ADR	41.6	-43.51	1.15	46.35	68.2	-21.85	-	-	0	200	V
			* 17.733498	60.06	PK-U	41.6	-42.66	0	59	-	-	74	-15	1	101	V
			* 17.732023	47.48	ADR	41.6	-42.72	1.15	47.51	54	-6.49	-	-	1	101	V
			1.818727	48.12	ADR	30.7	-48.46	1.15	31.51	68.2	-36.69	-	-	1	101	V
			1.819902	59.88	PK-U	30.7	-48.46	0	42.12	-	-	88.2	-46.08	1	101	V
			1.864372	47.49	ADR	30.9	-48.22	1.15	31.32	68.2	-36.88	-	-	1	200	H
			1.865938	58.82	PK-U	30.9	-48.22	0	41.5	-	-	88.2	-46.7	1	200	H
LEIM	6106	6 + 5	8.647967	55.88	PK-U	36	-43.63	0	48.25	-	-	88.2	-39.95	1	101	V
			8.648958	44.38	ADR	36	-43.62	1.15	37.91	68.2	-30.29	-	-	1	101	V
			8.694357	44.88	ADR	36.1	-43.65	1.15	38.48	68.2	-29.72	-	-	1	101	H
			8.696849	56.53	PK-U	36.1	-43.62	0	49.01	-	-	88.2	-39.19	1	101	H
			17.655003	58.59	PK-U	41.6	-43.33	0	56.86	-	-	88.2	-31.34	1	101	H
			17.656223	47.34	ADR	41.6	-43.32	1.15	46.77	68.2	-21.43	-	-	1	101	H
			* 8.366657	54.45	PK-U	36.1	-43.77	0	46.78	-	-	74	-27.22	94	182	H
			* 8.375084	43.03	ADR	36.1	-43.8	0.7	36.03	54	-17.97	-	-	94	182	H
			* 12.194987	53.91	PK-U	39.3	-41.1	0	52.11	-	-	74	-21.89	165	329	H
			* 12.196443	41.57	ADR	39.3	-41.2	0.7	40.37	54	-13.63	-	-	165	329	H
LEIM	6265	6 + 5	* 8.356194	54.94	PK-U	36.1	-43.7	0	47.34	-	-	74	-26.66	186	193	V
			* 8.354562	43.16	ADR	36.1	-43.64	0.7	36.32	54	-17.68	-	-	186	193	V
			* 12.197407	53.09	PK-U	39.3	-41.2	0	51.19	-	-	74	-22.81	292	112	V
			* 12.197675	41.39	ADR	39.3	-41.2	0.7	40.19	54	-13.81	-	-	292	112	V
			3.052429	46.68	ADR	33.4	-47.4	0.7	33.38	68.2	-34.82	-	-	309	299	V
			3.054358	46.51	ADR	33.4	-47.4	0.7	33.21	68.2	-34.99	-	-	256	237	H
			3.058295	58.83	PK-U	33.4	-47.47	0	44.76	-	-	88.2	-43.44	309	299	V
			3.069356	58.57	PK-U	33.4	-47.5	0	44.47	-	-	88.2	-43.73	256	237	H
			* 1.268809	58.57	PK-U	28.7	-46.22	0	41.05	-	-	88.2	-47.15	360	199	H
			* 1.269102	46.3	ADR	28.7	-46.2	0.7	29.5	68.2	-38.7	-	-	360	199	H
LEIM	6420	6 + 5	2.14954	57.79	PK-U	31.8	-46.45	0	43.14	-	-	88.2	-45.06	360	199	H
			2.150999	46.44	ADR	31.7	-46.4	0.7	32.44	68.2	-35.76	-	-	360	199	H
			* 1.267957	58.61	PK-U	28.7	-46.3	0	41.01	-	-	88.2	-47.19	360	199	V
			* 1.267961	46.41	ADR	28.7	-46.3	0.7	29.51	68.2	-38.69	-	-	360	199	V
			2.147307	58.37	PK-U	31.8	-46.57	0	43.6	-	-	88.2	-44.6	360	199	V
			2.146028	46.44	ADR	31.8	-46.5	0.7	32.44	68.2	-35.76	-	-	360	199	V
			10.590099	53.43	PK-U	38	-42.2	0	49.23	-	-	88.2	-38.97	360	199	H
			10.59125	42.27	ADR	38	-42.15	0.7	38.82	68.2	-29.38	-	-	360	199	H
			10.589209	53.98	PK-U	38	-42.28	0	49.7	-	-	88.2	-38.5	360	199	V
			10.590006	42.18	ADR	38	-42.2	0.7	38.68	68.2	-29.52	-	-	360	199	V
LEIM	6420	6 + 5	2.157135	57.97	PK-U	31.7	-46.59	0	43.08	-	-	88.2	-45.12	360	101	H
			2.154567	46.37	ADR	31.7	-46.49	0.7	32.28	68.2	-35.92	-	-	360	101	H
			* 3.548348	55.27	PK-U	33	-45.07	0	43.2	-	-	88.2	-45	360	101	H
			* 3.551441	43.82	ADR	33	-45.1	0.7	32.42	68.2	-35.78	-	-	360	101	H
			2.151975	57.97	PK-U	31.7	-46.5	0	43.17	-	-	88.2	-45.03	360	101	V
			2.152612	46.39	ADR	31.7	-46.5	0.7	32.29	68.2	-35.91	-	-	360	101	V
			* 3.55037	56	PK-U	33	-45.1	0	43.9	-	-	88.2	-44.3	360	101	V
			* 3.550219	43.76	ADR	33	-45.1	0.7	32.36	68.2	-35.84	-	-	360	101	V
			* 10.607316	53.85	PK-U	37.9	-41.5	0	50.25	-	-	74	-23.75	360	101	H
			* 10.607105	42.14	ADR	37.9	-41.5	0.7	39.24	54	-14.76	-	-	360	101	H
LEIM	6420	6 + 5	* 10.612181	53.64	PK-U	38	-41.42	0	50.22	-	-	74	-23.78	360	101	V
			* 10.611054	42.2	ADR	38	-41.31	0.7	39.59	54	-14.41	-	-	360	101	V

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

Pk - Peak detector

RMS - RMS detection

UNI-5 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Amp/Cbl/ Fltr/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
LE2M	6106	6 + 5	2.18209	62.03	PK-U	31.4	-50.11	0	43.32	-	-	88.2	-44.88	360	101	H
			2.185206	49.8	ADR	31.4	-50.22	2.41	33.39	68.2	-34.81	-	-	360	101	H
			2.187839	49.83	ADR	31.4	-50.32	2.41	33.32	68.2	-34.88	-	-	360	101	V
			2.188261	61.9	PK-U	31.4	-50.17	0	43.13	-	-	88.2	-45.07	360	101	V
			3.587268	46.31	ADR	33.2	-47.81	2.41	34.11	68.2	-34.09	-	-	360	101	H
			3.590707	46.42	ADR	33.2	-47.74	2.41	34.29	68.2	-33.91	-	-	360	101	V
			3.591463	58.54	PK-U	33.2	-47.94	0	43.8	-	-	88.2	-44.4	360	101	H
			3.593573	58.36	PK-U	33.3	-47.77	0	43.89	-	-	88.2	-44.31	360	101	V
			10.723132	59.39	PK-U	37.7	-46.61	0	50.48	-	-	74	-23.52	360	101	H
			10.725288	58.9	PK-U	37.7	-46.59	0	50.01	-	-	74	-23.99	360	101	V
			10.751026	47.19	ADR	37.7	-46.71	2.41	40.59	54	-13.41	-	-	360	101	V
			10.753293	47.27	ADR	37.7	-46.74	2.41	40.64	54	-13.36	-	-	360	101	H
	6265	6 + 5	2.192922	61.84	PK-U	31.4	-50	0	43.24	-	-	88.2	-44.96	360	101	V
			2.193953	49.72	ADR	31.4	-50.19	2.41	33.34	68.2	-34.86	-	-	360	101	V
			2.197876	49.6	ADR	31.4	-49.9	2.41	33.51	68.2	-34.69	-	-	360	101	H
			2.201022	61.28	PK-U	31.4	-49.9	0	42.78	-	-	74	-31.22	360	101	H
			3.570211	58.4	PK-U	33.1	-47.78	0	43.72	-	-	88.2	-44.48	360	101	V
			3.587511	46.53	ADR	33.2	-47.9	2.41	34.24	68.2	-33.96	-	-	360	101	V
			3.592845	46.48	ADR	33.3	-48.02	2.41	34.17	68.2	-34.03	-	-	360	101	H
			3.604004	58.54	PK-U	33.4	-48	0	43.94	-	-	74	-30.06	360	101	H
			10.790881	47.17	ADR	37.8	-46.31	2.41	41.07	54	-12.93	-	-	360	101	V
			10.791829	59.16	PK-U	37.8	-46.55	0	50.41	-	-	74	-23.59	360	101	V
			10.795389	59.37	PK-U	37.8	-46.36	0	50.81	-	-	74	-23.19	360	101	H
			10.798129	47.27	ADR	37.8	-46.55	2.41	40.93	54	-13.07	-	-	360	101	H
	6420	6 + 5	2.218094	61.53	PK-U	31.8	-50.3	0	43.03	-	-	74	-30.97	1	101	H
			2.21437	48.98	ADR	31.8	-50.3	2.41	32.89	54	-21.11	-	-	1	101	H
			3.643673	58.48	PK-U	33.3	-47.69	0	44.09	-	-	74	-29.91	1	101	H
			3.637052	46.02	ADR	33.3	-47.69	2.41	34.04	54	-19.96	-	-	1	101	H
			2.217971	60.8	PK-U	31.8	-50.3	0	42.3	-	-	74	-31.7	1	101	V
			2.227601	49.18	ADR	31.8	-50.34	2.41	33.05	54	-20.95	-	-	1	101	V
			3.654679	57.73	PK-U	33.2	-47.66	0	43.27	-	-	74	-30.73	1	101	V
			3.654017	46	ADR	33.2	-47.67	2.41	33.94	54	-20.06	-	-	1	101	V
			10.795453	56.32	PK-U	37.7	-44.96	0	49.06	-	-	74	-24.94	1	101	H
			10.810215	44.27	ADR	37.7	-45.14	2.41	39.24	54	-14.76	-	-	1	101	H
			10.803284	56.05	PK-U	37.7	-45.06	0	48.69	-	-	74	-25.31	1	101	V
			10.803664	44.26	ADR	37.7	-45.04	2.41	39.33	54	-14.67	-	-	1	101	V
HDT4	6106	6 + 5	* 8.052693	55.25	PK-U	36	-44.1	0	47.15	-	-	74	-26.85	298	234	H
			* 8.055409	43.49	ADR	36	-43.96	0.29	35.82	54	-18.18	-	-	298	234	H
			* 12.208966	53.11	PK-U	39.3	-41.1	0	51.31	-	-	74	-22.69	85	279	H
			* 12.231543	41.62	ADR	39.3	-41.2	0.29	40.01	54	-13.99	-	-	85	279	H
			* 8.049917	54.79	PK-U	36	-44	0	46.79	-	-	74	-27.21	354	139	V
			* 8.038502	43.48	ADR	36	-44.05	0.29	35.72	54	-18.28	-	-	354	139	V
			* 12.198267	53.5	PK-U	39.3	-41.23	0	51.57	-	-	74	-22.43	341	173	V
			* 12.22994	41.46	ADR	39.3	-41.19	0.29	39.86	54	-14.14	-	-	341	173	V
			3.04966	58.09	PK-U	33.4	-47.4	0	44.09	-	-	88.2	-44.11	111	160	V
			3.053491	46.75	ADR	33.4	-47.4	0.29	33.04	68.2	-35.16	-	-	133	309	H
			3.053704	58.09	PK-U	33.4	-47.4	0	44.09	-	-	88.2	-44.11	133	309	H
			3.057255	46.7	ADR	33.4	-47.5	0.29	32.89	68.2	-35.31	-	-	111	160	V
	6265	6 + 5	* 3.347701	57.75	PK-U	33.2	-46.73	0	44.22	-	-	74	-29.78	34	287	H
			* 3.351011	46.1	ADR	33.2	-46.7	0.29	32.89	54	-21.11	-	-	34	287	H
			* 3.351931	46.21	ADR	33.2	-46.61	0.29	33.09	54	-20.91	-	-	10	147	V
			* 11.824717	53.6	PK-U	39.2	-41.23	0	51.57	-	-	74	-22.43	10	101	H
			* 11.837787	41.32	ADR	39.2	-41.3	0.29	39.51	54	-14.49	-	-	10	101	H
			* 11.830144	53.69	PK-U	39.2	-41.21	0	51.68	-	-	74	-22.32	10	200	V
			* 11.816693	41.59	ADR	39.2	-41.23	0.29	39.85	54	-14.15	-	-	10	200	V
			1.652217	49.51	ADR	29.1	-49.1	0.29	29.8	68.2	-38.4	-	-	65	102	V
			1.652744	49.36	ADR	29.1	-49.1	0.29	29.65	68.2	-38.55	-	-	220	319	H
			1.653504	61	PK-U	29.1	-49.1	0	41	-	-	88.2	-47.2	220	319	H
			1.656803	61.06	PK-U	29.1	-49.1	0	41.06	-	-	88.2	-47.14	65	102	V
			3.36205	57.96	PK-U	33.2	-46.51	0	44.65	-	-	88.2	-43.55	10	147	V
	6420	6 + 5	* 3.55015	57.82	PK-U	33.3	-46.59	0	44.53	-	-	88.2	-43.67	251	356	H
			* 3.551367	45.76	ADR	33.3	-46.5	0.29	32.85	68.2	-35.35	-	-	251	356	H
			* 3.55732	57.51	PK-U	33.3	-46.53	0	44.28	-	-	88.2	-43.92	24	215	V
			* 3.566234	45.5	ADR	33.4	-46.6	0.29	32.59	68.2	-35.61	-	-	24	215	V
			* 12.08682	53.11	PK-U	39.3	-41.4	0	51.01	-	-	74	-22.99	24	200	H
			* 12.089779	41.43	ADR	39.3	-41.3	0.29	39.72	54	-14.28	-	-	24	200	H
			* 12.081624	53.05	PK-U	39.3	-41.5	0	50.85	-	-	74	-23.15	24	200	V
			* 12.079524	41.7	ADR	39.3	-41.55	0.29	39.74	54	-14.26	-	-	24	200	V
			1.744851	62.31	PK-U	30.1	-48.89	0	43.52	-	-	88.2	-44.68	48	373	V
			1.747744	50.6	ADR	30.1	-48.8	0.29	32.19	68.2	-36.01	-	-	332	173	H
			1.748011	62.03	PK-U	30.1	-48.8	0	43.33	-	-	88.2	-44.87	332	173	H
			1.748872	50.39	ADR	30.1	-48.8	0.29	31.98	68.2	-36.22	-	-	48	373	V

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

Pk - Peak detector

RMS - RMS detection

UNII-5 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Amp/Cbl/ Ftrt/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
HDR4	6106	6 + 5	* 8.131289	55.15	PK-U	36	-43.8	0	47.35	-	-	74	-26.65	134	230	H
			* 8.151295	43.39	ADR	36	-43.83	1.3	36.86	54	-17.14	-	-	134	230	H
			* 12.22948	53.68	PK-U	39.3	-41.15	0	51.83	-	-	74	-22.17	145	359	H
			* 12.230792	41.68	ADR	39.3	-41.2	1.3	41.08	54	-12.92	-	-	145	359	H
			* 8.113739	55.15	PK-U	36	-43.77	0	47.38	-	-	74	-26.62	203	139	V
			* 8.14866	43.14	ADR	36	-43.8	1.3	36.64	54	-17.36	-	-	203	139	V
			* 12.210878	52.94	PK-U	39.3	-41.11	0	51.13	-	-	74	-22.87	188	241	V
			* 12.195755	41.58	ADR	39.3	-41.18	1.3	41	54	-13	-	-	188	241	V
			3.036817	58.38	PK-U	33.4	-47.2	0	44.58	-	-	88.2	-43.62	89	292	V
			3.050314	46.49	ADR	33.4	-47.4	1.3	33.79	68.2	-34.41	-	-	214	105	H
			3.060748	46.48	ADR	33.4	-47.4	1.3	33.78	68.2	-34.42	-	-	89	292	V
			3.062539	58.71	PK-U	33.4	-47.4	0	44.71	-	-	88.2	-43.49	214	105	H
	6265	6 + 5	* 8.160805	55.93	PK-U	36	-43.9	0	48.03	-	-	74	-25.97	127	190	H
			* 8.182958	43.64	ADR	36	-44	1.3	36.94	54	-17.06	-	-	127	190	H
			* 12.549436	52.75	PK-U	39.2	-41.6	0	50.35	-	-	74	-23.65	192	101	H
			* 12.538773	41.27	ADR	39.2	-41.42	1.3	40.35	54	-13.65	-	-	192	101	H
			* 8.167624	55.61	PK-U	36	-44	0	47.61	-	-	74	-26.39	26	291	V
			* 8.172216	43.71	ADR	36	-44.02	1.3	36.99	54	-17.01	-	-	26	291	V
			* 12.533129	53.26	PK-U	39.2	-41.51	0	50.95	-	-	74	-23.05	272	223	V
			* 12.535009	41.71	ADR	39.2	-41.5	1.3	40.71	54	-13.29	-	-	272	223	V
			3.115641	58.65	PK-U	33.3	-47.3	0	44.65	-	-	88.2	-43.55	283	320	V
			3.120303	46.95	ADR	33.3	-47.2	1.3	34.35	68.2	-33.85	-	-	283	320	V
			3.123955	58.81	PK-U	33.3	-47.2	0	44.91	-	-	88.2	-43.29	32	239	H
			3.126266	46.87	ADR	33.3	-47.1	1.3	34.37	68.2	-33.83	-	-	32	239	H
	6420	6 + 5	* 8.164487	55.51	PK-U	36	-43.95	0	47.56	-	-	74	-26.44	318	221	H
			* 8.167215	43.43	ADR	36	-44	1.3	36.73	54	-17.27	-	-	318	221	H
			* 8.171911	55.41	PK-U	36	-44	0	47.41	-	-	74	-26.59	137	186	V
			* 8.173862	43.5	ADR	36	-44.01	1.3	36.79	54	-17.21	-	-	137	186	V
			3.005331	46.53	ADR	33.4	-47.2	1.3	34.03	68.2	-34.17	-	-	315	325	H
			3.041505	58.58	PK-U	33.4	-47.25	0	44.73	-	-	88.2	-43.47	315	325	H
			3.200173	57.59	PK-U	33.2	-46.4	0	44.39	-	-	88.2	-43.81	292	278	V
			3.207453	45.77	ADR	33.2	-46.5	1.3	33.77	68.2	-34.43	-	-	292	278	V
			12.843158	53.49	PK-U	39.3	-41.4	0	51.39	-	-	88.2	-36.81	325	308	V
			12.851921	53.61	PK-U	39.3	-41.49	0	51.42	-	-	88.2	-36.78	11	151	H
			12.854321	41.7	ADR	39.3	-41.53	1.3	40.77	68.2	-27.43	-	-	325	308	V
			12.8593	41.69	ADR	39.3	-41.47	1.3	40.82	68.2	-27.38	-	-	11	151	H
XHDRPS2	6106	6 + 5	* 8.123894	55.87	PK-U	36	-43.7	0	48.17	-	-	74	-25.83	294	329	H
			* 8.145688	43.52	ADR	36	-43.7	0	35.82	54	-18.18	-	-	294	329	H
			* 12.20861	53.08	PK-U	39.3	-41.1	0	51.28	-	-	74	-22.72	318	106	H
			* 12.194451	41.57	ADR	39.3	-41.15	0	39.72	54	-14.28	-	-	318	106	H
			* 8.12539	54.91	PK-U	36	-43.7	0	47.21	-	-	74	-26.79	327	119	V
			* 8.146012	43.4	ADR	36	-43.7	0	35.7	54	-18.3	-	-	327	119	V
			* 12.196839	53.5	PK-U	39.3	-41.2	0	51.6	-	-	74	-22.4	48	285	V
			* 12.229308	41.75	ADR	39.3	-41.13	0	39.92	54	-14.08	-	-	48	285	V
			3.042972	58.37	PK-U	33.4	-47.3	0	44.47	-	-	88.2	-43.73	110	301	V
			3.053353	46.58	ADR	33.4	-47.4	0	32.58	68.2	-35.62	-	-	134	210	H
			3.058842	46.61	ADR	33.4	-47.42	0	32.59	68.2	-35.61	-	-	110	301	V
			3.07128	58.38	PK-U	33.4	-47.57	0	44.21	-	-	88.2	-43.99	134	210	H
	6265	6 + 5	* 8.105335	55.18	PK-U	36	-43.67	0	47.51	-	-	74	-26.49	270	285	H
			* 8.124673	43.29	ADR	36	-43.7	0	35.59	54	-18.41	-	-	270	285	H
			* 12.545632	53.32	PK-U	39.2	-41.56	0	50.96	-	-	74	-23.04	13	217	H
			* 12.52821	41.55	ADR	39.2	-41.38	0	39.37	54	-14.63	-	-	13	217	H
			* 8.124737	55.87	PK-U	36	-43.7	0	48.17	-	-	74	-25.83	90	150	V
			* 8.125501	43.25	ADR	36	-43.7	0	35.55	54	-18.45	-	-	90	150	V
			* 12.511579	53.11	PK-U	39.2	-41.12	0	51.19	-	-	74	-22.81	330	107	V
			* 12.530857	41.11	ADR	39.2	-41.5	0	38.81	54	-15.19	-	-	330	107	V
			3.115361	46.97	ADR	33.3	-47.3	0	32.97	68.2	-35.23	-	-	275	318	V
			3.120347	46.89	ADR	33.3	-47.2	0	32.99	68.2	-35.21	-	-	317	143	H
			3.132683	59.47	PK-U	33.3	-47	0	45.77	-	-	88.2	-42.43	317	143	H
			3.143802	59.08	PK-U	33.3	-46.9	0	45.48	-	-	88.2	-42.72	275	318	V
	6420	6 + 5	3.205253	58.17	PK-U	33.2	-46.43	0	44.94	-	-	88.2	-43.26	142	149	H
			3.209795	45.96	ADR	33.2	-46.5	0	32.66	68.2	-35.54	-	-	142	149	H
			3.210048	45.97	ADR	33.2	-46.5	0	32.67	68.2	-35.53	-	-	68	226	V
			3.219829	57.71	PK-U	33.2	-46.62	0	44.29	-	-	88.2	-43.91	68	226	V
			8.516023	55.27	PK-U	36.1	-43.6	0	47.77	-	-	88.2	-40.43	55	180	V
			8.516723	54.68	PK-U	36.1	-43.6	0	47.18	-	-	88.2	-41.02	63	127	H
			8.52513	43.08	ADR	36.1	-43.7	0	35.48	68.2	-32.72	-	-	55	180	V
			8.538764	43.09	ADR	36.1	-43.62	0	35.57	68.2	-32.63	-	-	63	127	H
			12.829811	53.39	PK-U	39.3	-41.2	0	51.49	-	-	88.2	-36.71	39	312	V
			12.848409	53.76	PK-U	39.3	-41.38	0	51.68	-	-	88.2	-36.52	301	256	H
			12.848757	41.68	ADR	39.3	-41.45	0	39.53	68.2	-28.67	-	-	301	256	H
			12.854789	41.53	ADR	39.3	-41.58	0	39.25	68.2	-28.95	-	-	39	312	V

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

Pk - Peak detector

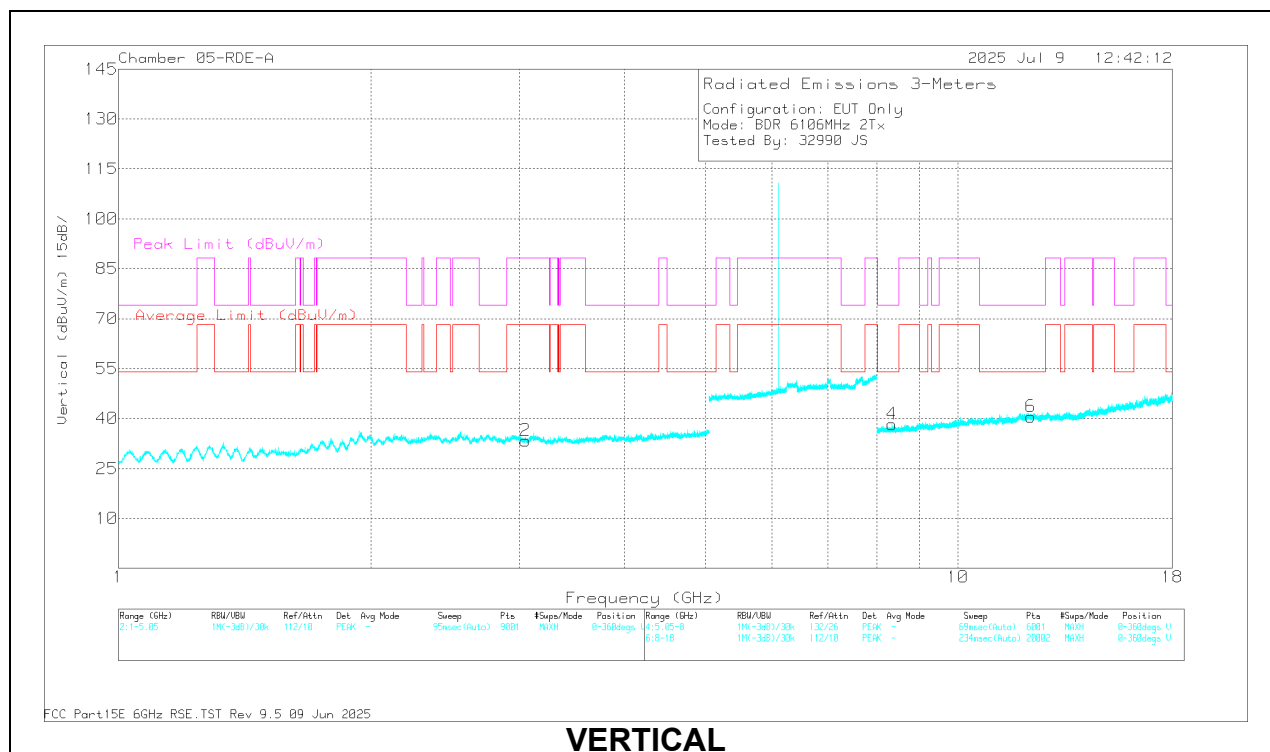
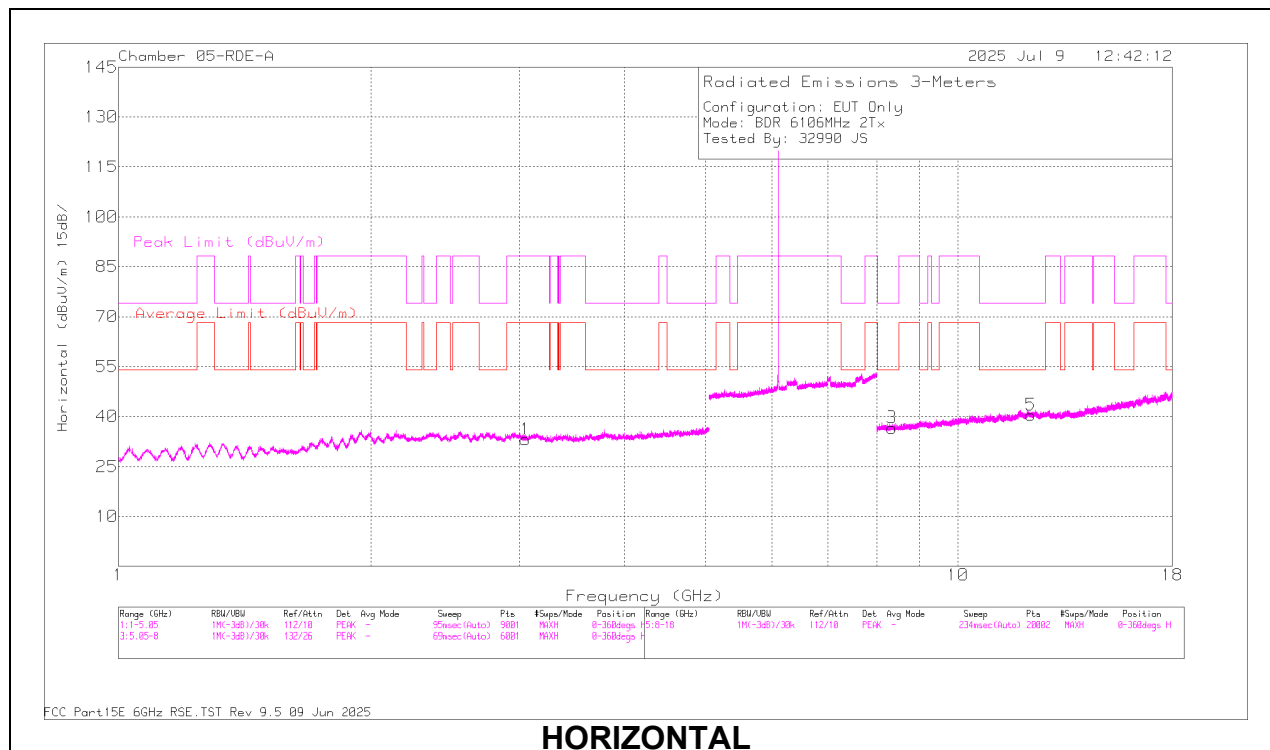
RMS - RMS detection

UNII-5 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Amp/Cb/ 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
HDRPM8	6107	6 + 5	* 11.176013	58.41	PK-U	38	-44.13	0	52.28	-	-	74	-21.72	360	101	H
			* 11.190172	46.62	ADR	38	-44.03	0.3	40.89	54	-13.11	-	-	360	101	H
			* 11.160214	57.78	PK-U	37.9	-43.9	0	51.78	-	-	74	-22.22	360	101	V
			* 11.147704	46.56	ADR	37.9	-43.7	0.3	41.06	54	-12.94	-	-	360	101	V
			1.837257	50.18	ADR	31	-48.94	0.3	32.54	68.2	-35.66	-	-	360	101	V
			1.838372	61.49	PK-U	31	-48.92	0	43.57	-	-	88.2	-44.63	360	101	V
			1.838459	62.23	PK-U	31	-48.92	0	44.31	-	-	88.2	-43.89	360	101	H
			1.843005	50.47	ADR	31.1	-48.87	0.3	33	68.2	-35.2	-	-	360	101	H
			2.996992	48.27	ADR	32.8	-48.08	0.3	33.29	68.2	-34.91	-	-	360	101	V
			2.998054	59.89	PK-U	32.8	-47.94	0	44.75	-	-	88.2	-43.45	360	101	H
	6265	6 + 5	2.999934	59.72	PK-U	32.8	-48.05	0	44.47	-	-	88.2	-43.73	360	101	V
			3.002045	48.33	ADR	32.8	-48.02	0.3	33.41	68.2	-34.79	-	-	360	101	H
			1.952165	50.42	ADR	31.7	-50.35	0.3	32.07	68.2	-36.13	-	-	2	101	V
			1.952256	62.49	PK-U	31.7	-50.32	0	43.87	-	-	88.2	-44.33	2	101	H
			1.954416	50.83	ADR	31.7	-50.07	0.3	32.76	68.2	-35.44	-	-	2	101	H
			1.957347	62.12	PK-U	31.7	-49.5	0	44.32	-	-	88.2	-43.88	2	101	V
			3.108123	58.94	PK-U	33.1	-48.67	0	43.37	-	-	88.2	-44.83	2	101	V
			3.116282	47.14	ADR	33.1	-48.58	0.3	31.96	68.2	-36.24	-	-	2	101	V
			3.121563	47.37	ADR	33.1	-48.72	0.3	32.05	68.2	-36.15	-	-	2	101	H
			3.132553	59.31	PK-U	33.2	-48.8	0	43.71	-	-	88.2	-44.49	2	101	H
	6420	6 + 5	11.071155	46.72	ADR	37.9	-44.68	0.3	40.24	54	-13.76	-	-	2	101	H
			11.076383	58.41	PK-U	37.9	-44.49	0	51.82	-	-	74	-22.18	2	101	H
			11.080063	58.18	PK-U	37.9	-44.31	0	51.77	-	-	74	-22.23	2	101	V
			11.1046	46.51	ADR	37.9	-44.34	0.3	40.37	54	-13.63	-	-	2	101	V
			2.071754	50.3	ADR	31.7	-50.1	0.3	32.2	68.2	-36	-	-	0	101	H
			2.072045	50.54	ADR	31.7	-50.11	0.3	32.43	68.2	-35.77	-	-	0	101	V
			2.075241	62.14	PK-U	31.6	-50.28	0	43.46	-	-	88.2	-44.74	0	101	V
			2.077874	62.15	PK-U	31.6	-50.14	0	43.61	-	-	88.2	-44.59	0	101	H
			3.34968	58.63	PK-U	32.8	-48.14	0	43.29	-	-	74	-30.71	0	101	H
			3.351213	47.02	ADR	32.8	-48.24	0.3	31.88	54	-22.12	-	-	0	101	H
XHDRPL16	6109	6 + 5	3.35397	59.18	PK-U	32.8	-48.59	0	43.39	-	-	74	-30.61	0	101	V
			3.357431	47.12	ADR	32.8	-47.93	0.3	32.29	54	-21.71	-	-	0	101	V
			11.018625	58.6	PK-U	37.8	-45.58	0	50.82	-	-	74	-23.18	0	101	H
			11.023292	58.7	PK-U	37.8	-45.52	0	50.98	-	-	74	-23.02	0	101	V
			11.025716	47.11	ADR	37.8	-45.8	0.3	39.41	54	-14.59	-	-	0	101	H
			11.026732	46.94	ADR	37.8	-45.87	0.3	39.17	54	-14.83	-	-	0	101	V
	6265	6 + 5	* 1.424925	57.49	PK-U	28.3	-46	0	39.79	-	-	74	-34.21	3	101	H
			* 1.425989	45.9	ADR	28.3	-46	0.2	28.4	54	-25.6	-	-	3	101	H
			2.559383	58.25	PK-U	32.4	-46.9	0	43.75	-	-	88.2	-44.45	3	101	H
			2.558211	46.71	ADR	32.4	-46.9	0.2	32.41	68.2	-35.79	-	-	3	101	H
			* 1.42514	57.66	PK-U	28.3	-46	0	39.96	-	-	74	-34.04	3	101	V
			* 1.426477	46.5	ADR	28.3	-46	0.2	29	54	-25	-	-	3	101	V
			2.556431	57.94	PK-U	32.4	-46.96	0	43.38	-	-	88.2	-44.82	3	101	V
			2.555122	46.7	ADR	32.4	-47	0.2	32.3	68.2	-35.9	-	-	3	101	V
			* 11.074389	54.7	PK-U	37.9	-41.16	0	51.44	-	-	74	-22.56	3	101	H
			* 11.072766	42.05	ADR	37.9	-41.2	0.2	38.95	54	-15.05	-	-	3	101	H
	6417	6 + 5	* 11.075397	53.68	PK-U	37.9	-41.14	0	50.44	-	-	74	-23.56	3	101	V
			* 11.072444	42.12	ADR	37.9	-41.2	0.2	39.02	54	-14.98	-	-	3	101	V
			* 1.489371	57.79	PK-U	28.1	-46.1	0	39.79	-	-	74	-34.21	2	101	H
			* 1.489445	46.27	ADR	28.1	-46.1	0.2	28.47	54	-25.53	-	-	2	101	H
			2.560936	58.76	PK-U	32.4	-46.9	0	44.26	-	-	88.2	-43.94	2	101	H
			2.561301	46.87	ADR	32.4	-46.93	0.2	32.54	68.2	-35.66	-	-	2	101	H
			* 1.488737	58.16	PK-U	28.1	-46.1	0	40.16	-	-	74	-33.84	2	101	V
			* 1.490312	46.26	ADR	28.1	-46.13	0.2	28.43	54	-25.57	-	-	2	101	V
			2.558106	58.31	PK-U	32.4	-46.9	0	43.81	-	-	88.2	-44.39	2	101	V
			2.55962	46.8	ADR	32.4	-46.9	0.2	32.5	68.2	-35.7	-	-	2	101	V
	6417	6 + 5	* 11.035924	53.97	PK-U	37.9	-41.1	0	50.77	-	-	74	-23.23	2	101	H
			* 11.034126	42.2	ADR	37.9	-41.1	0.2	39.2	54	-14.8	-	-	2	101	H
			* 11.034553	54.11	PK-U	37.9	-41.1	0	50.91	-	-	74	-23.09	2	101	V
			* 11.031991	42.14	ADR	37.9	-41.1	0.2	39.14	54	-14.86	-	-	2	101	V
			* 1.265253	58.27	PK-U	28.7	-46.2	0	40.77	-	-	88.2	-47.43	0	199	H
			* 1.265197	47.03	ADR	28.7	-46.2	0.2	29.73	68.2	-38.47	-	-	0	199	H
			* 2.659568	57.23	PK-U	32.4	-46.8	0	42.83	-	-	88.2	-45.37	0	199	H
			* 2.661581	45.68	ADR	32.4	-46.86	0.2	31.42	68.2	-36.78	-	-	0	199	H
			* 1.264547	58.42	PK-U	28.7	-46.2	0	40.92	-	-	88.2	-47.28	0	199	V
			* 1.264633	46.82	ADR	28.7	-46.2	0.2	29.52	68.2	-38.68	-	-	0	199	V
			* 2.659515	57.17	PK-U	32.4	-46.8	0	42.77	-	-	88.2	-45.43	0	199	V
			* 2.659555	44.88	ADR	32.4	-46.8	0.2	30.68	68.2	-37.52	-	-	0	199	V
			10.590339	53.9	PK-U	38	-42.2	0	49.7	-	-	88.2	-38.5	0	199	H
			10.589083	42.14	ADR	38	-42.29	0.2	38.05	68.2	-30.15	-	-	0	199	H
			10.593261	54.26	PK-U	38	-41.9	0	50.36	-	-	88.2	-37.84	0	199	V
			10.590559	42.01	ADR	38	-42.2	0.2	38.01	68.2	-30.19	-	-	0	199	V

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

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL / 6106MHz)

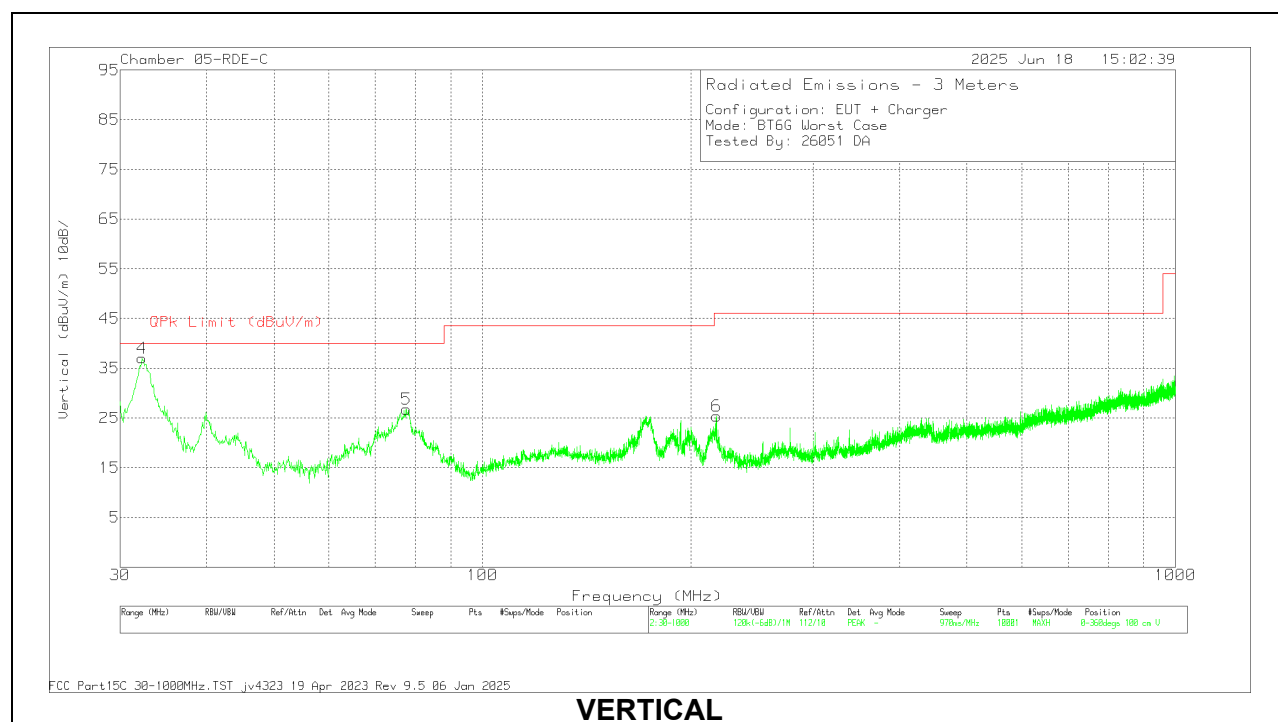
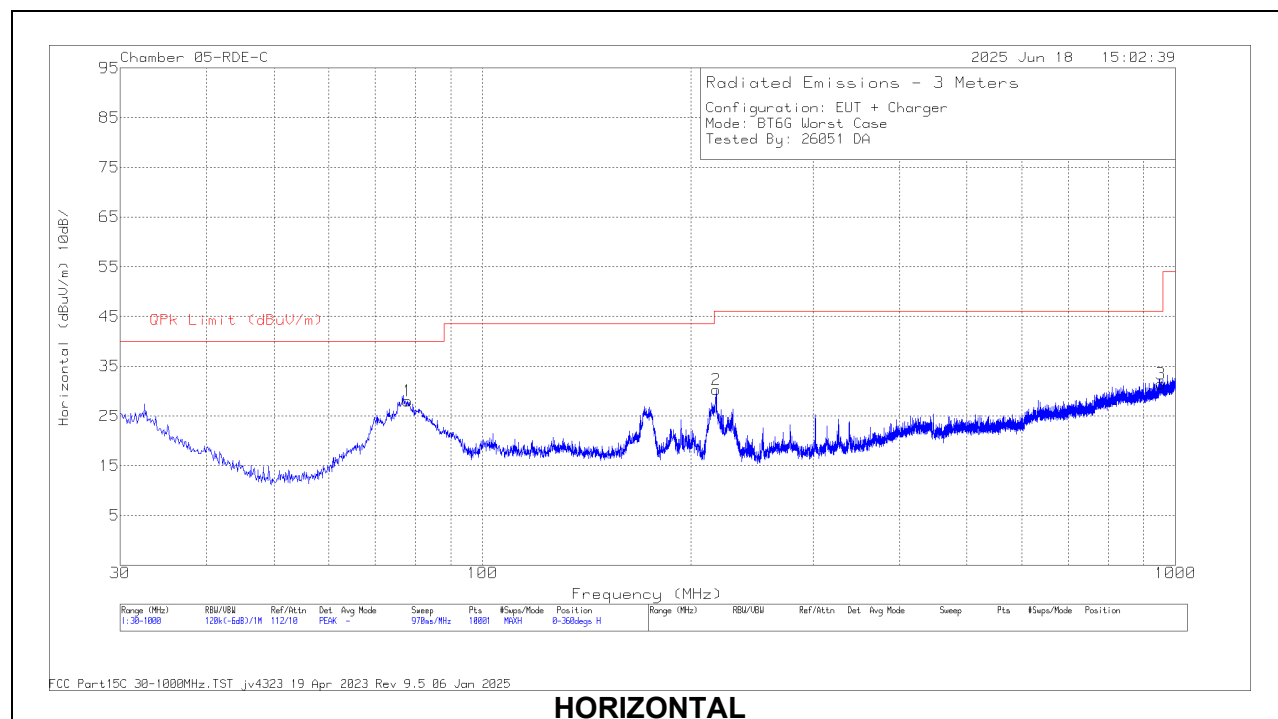
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226671 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
3	* 8.337199	54.68	PK-U	36.1	0	-43.6	47.18	-	-	74	-26.82	170	315	H
	* 8.361173	43.1	ADR	36.1	1.15	-43.7	36.65	54	-17.35	-	-	170	315	H
5	* 12.209086	53.53	PK-U	39.3	0	-41.11	51.72	-	-	74	-22.28	194	167	H
	* 12.195043	41.39	ADR	39.3	1.15	-41.1	40.74	54	-13.26	-	-	194	167	H
4	* 8.337547	54.76	PK-U	36.1	0	-43.6	47.26	-	-	74	-26.74	58	269	V
	* 8.355814	43	ADR	36.1	1.15	-43.68	36.57	54	-17.43	-	-	58	269	V
6	* 12.193303	53.48	PK-U	39.3	0	-41.2	51.58	-	-	74	-22.42	136	352	V
	* 12.196399	41.47	ADR	39.3	1.15	-41.2	40.72	54	-13.28	-	-	136	352	V
2	3.044714	58.09	PK-U	33.4	0	-47.37	44.12	-	-	88.2	-44.08	222	224	V
	3.04663	46.52	ADR	33.4	1.15	-47.36	33.71	68.2	-34.49	-	-	222	224	V
1	3.052189	46.41	ADR	33.4	1.15	-47.4	33.56	68.2	-34.64	-	-	183	260	H
	3.058433	58.33	PK-U	33.4	0	-47.46	44.27	-	-	88.2	-43.93	183	260	H

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

PK-U - U-NII: Maximum Peak

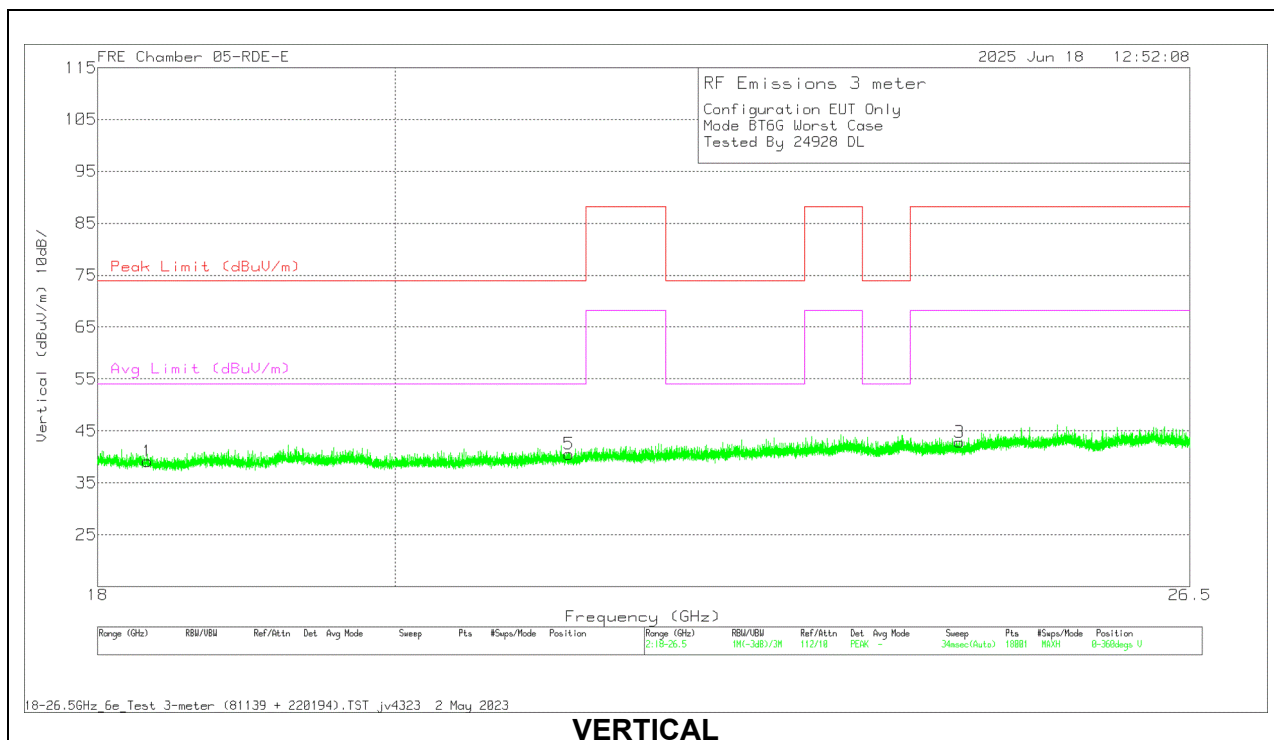
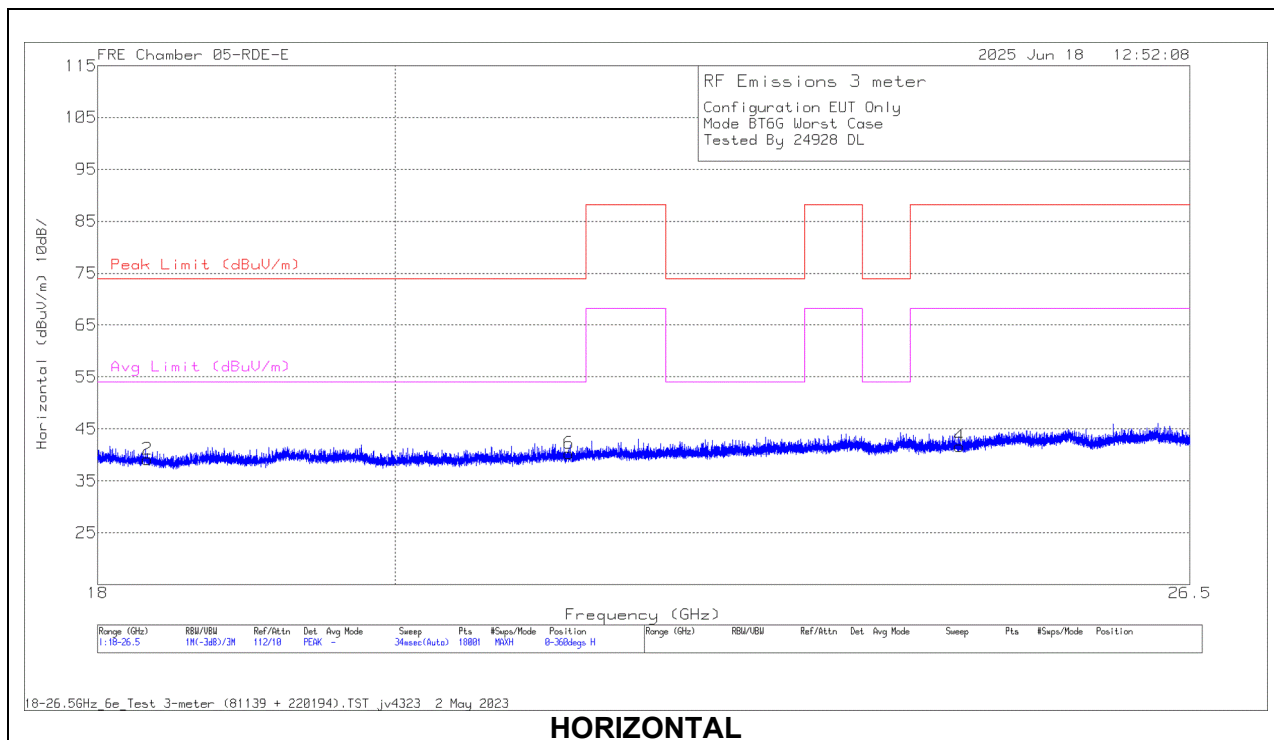
ADR - U-NII AD primary method, RMS average

11.1. WORST CASE BELOW 1 GHz – HIGH POWER

RADIATED EMISSIONS

Frequency (MHz)	Meter Reading (dBuV)	Det	171863 ACF (dB/m)	CBL AMP (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
32.6261	39.28	Qp	25	-31	33.28	40	-6.72	128	100	V
76.2796	40.34	Qp	13.9	-30.3	23.94	40	-16.06	100	202	V
77.0998	43.43	Qp	13.9	-30.5	26.83	40	-13.17	178	213	H
217.457	43.4	Qp	16.4	-30.2	29.6	46.02	-16.42	54	144	H
217.458	37.85	Qp	16.4	-30.2	24.05	46.02	-21.97	101	149	V
948.238	20.05	Qp	28.5	-27	21.55	46.02	-24.47	325	280	H

Qp - Quasi-Peak detector

11.2. WORST CASE 18-26 GHz – HIGH POWER

RADIATED EMISSIONS

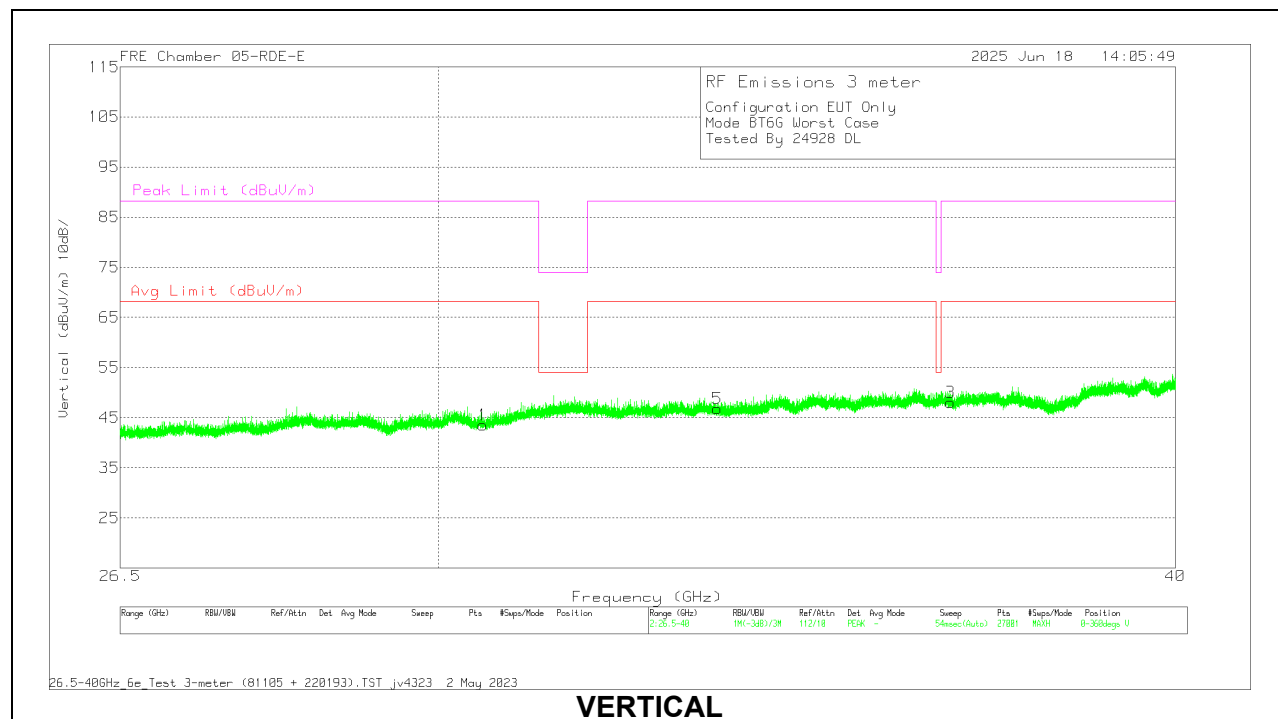
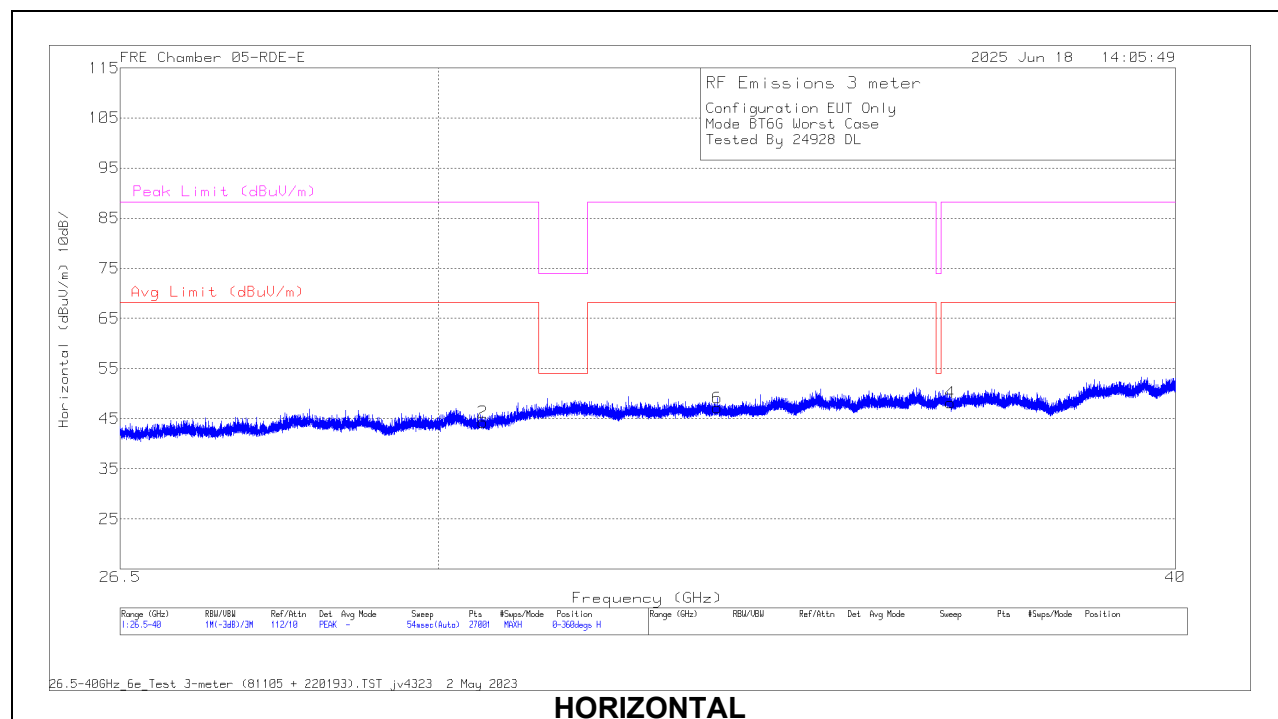
Range 1: Horizontal 18 - 26.5GHz															
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81139 ACF (dB/m)	CBL/AMP (dB)	CBL (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 18.318278	45.71	Pk	32.4	-62.3	23.3	0	39.11	74	-34.89	-	-	0-360	199	H
4	24.424108	43.11	Pk	34	-62.9	27.4	0	41.61	-	-	-	-	0-360	199	H
6	* 21.270137	44.05	Pk	33.3	-62.4	25.3	0	40.25	74	-33.75	-	-	0-360	101	H

Range 2: Vertical 18 - 26.5GHz															
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81139 ACF (dB/m)	CBL/AMP (dB)	CBL (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 18.318278	45.69	Pk	32.4	-62.3	23.3	0	39.09	74	-34.91	-	-	0-360	199	V
3	24.424108	44.34	Pk	34	-62.9	27.4	0	42.84	-	-	-	-	0-360	101	V
5	* 21.270137	44.36	Pk	33.3	-62.4	25.3	0	40.56	74	-33.44	-	-	0-360	199	V

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

Pk - Peak detector

11.3. WORST CASE 26-40 GHz – HIGH POWER



RADIATED EMISSIONS

Range 1: Horizontal 26.5 - 40GHz															
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81105 ACF (dB/m)	CBL/AMP (dB)	CBL (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	30.5295	41.29	Pk	36.2	-63.7	30.5	0	44.29	-	-	-	-	0-360	101	H
4	36.636	42.36	Pk	37.4	-65.9	34.3	0	48.16	-	-	-	-	0-360	199	H
6	33.4485	42.21	Pk	36.8	-64.1	32.2	0	47.11	-	-	-	-	0-360	101	H

Range 2: Vertical 26.5 - 40GHz															
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81105 ACF (dB/m)	CBL/AMP (dB)	CBL (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.5295	40.5	Pk	36.2	-63.7	30.5	0	43.5	-	-	-	-	0-360	199	V
3	36.636	42.24	Pk	37.4	-65.9	34.3	0	48.04	-	-	-	-	0-360	199	V
5	33.4485	41.91	Pk	36.8	-64.1	32.2	0	46.81	-	-	-	-	0-360	101	V

Pk - Peak detector

12. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

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.

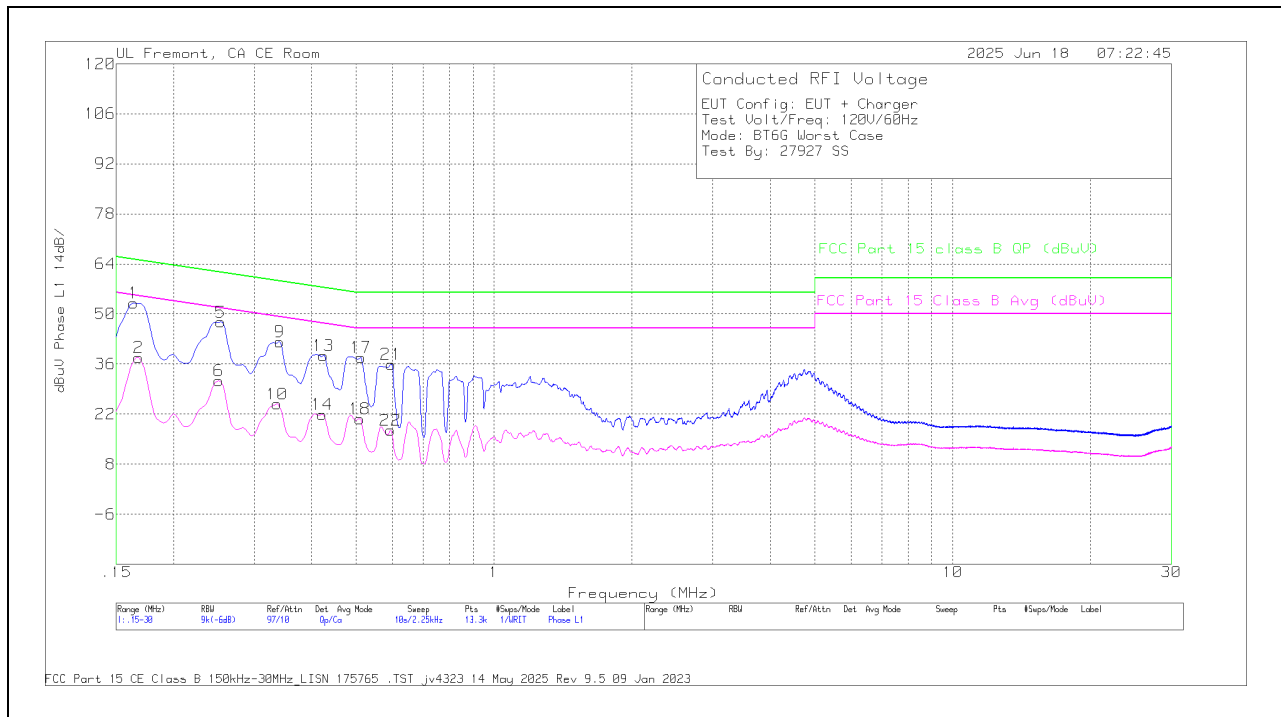
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

12.1. EUT WITH AC ADAPTER

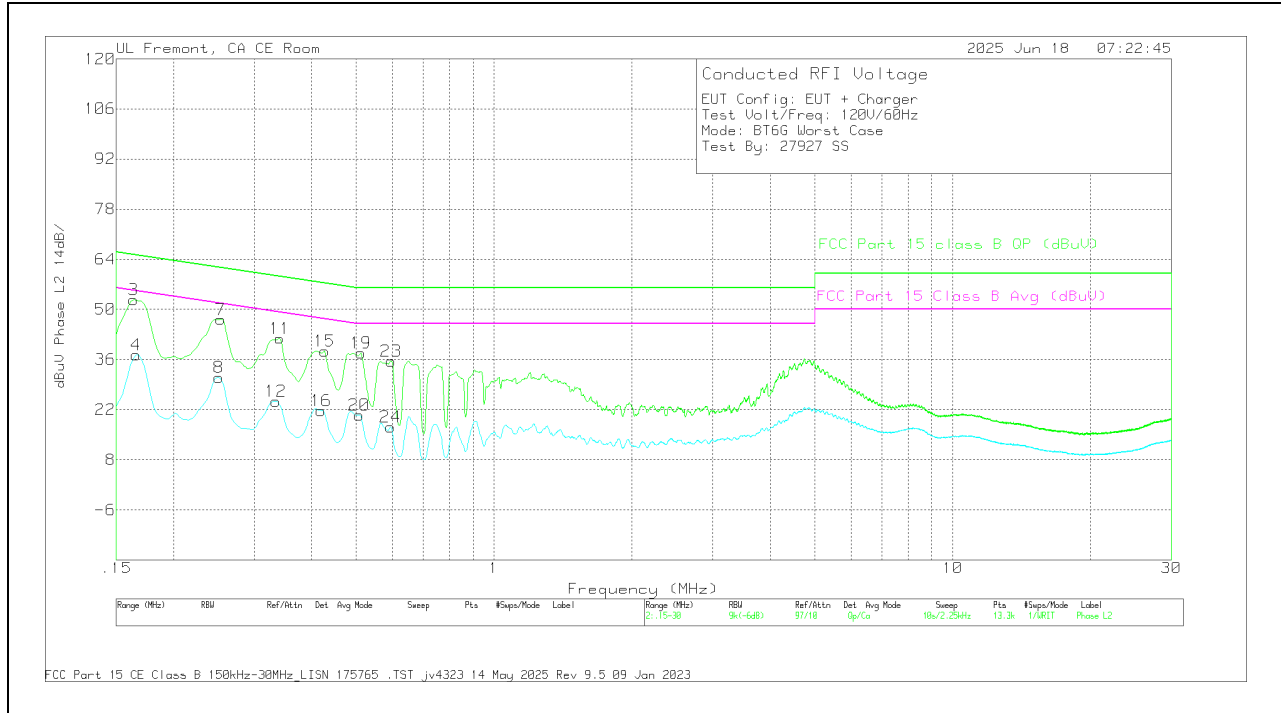
LINE 1 RESULTS



Range 1: Phase L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Line 1 C3_C1_Limiter no Pad_UL(dB)	LISN (dB)	10dB Atten (dB)	DCCF (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
2	.168	17.19	Ca	9.4	.1	10	1.15	37.84	55.06	-17.22	-	-
6	.2513	10.81	Ca	9.4	0	10	1.15	31.36	51.72	-20.36	-	-
10	.3368	4.22	Ca	9.4	0	10	1.15	24.77	49.28	-24.51	-	-
14	.4223	1.31	Ca	9.4	0	10	1.15	21.86	47.4	-25.54	-	-
18	.51	.26	Ca	9.3	0	10	1.15	20.71	46	-25.29	-	-
22	.5955	-3.03	Ca	9.3	0	10	1.15	17.42	46	-28.58	-	-
1	.1635	32.4	Qp	9.4	.1	10	1.15	53.05	-	-	65.28	-12.23
5	.2535	27.17	Qp	9.4	0	10	1.15	47.72	-	-	61.64	-13.92
9	.3413	21.7	Qp	9.4	0	10	1.15	42.25	-	-	59.17	-16.92
13	.4245	17.93	Qp	9.3	0	10	1.15	38.38	-	-	57.36	-18.98
17	.5123	17.39	Qp	9.3	0	10	1.15	37.84	-	-	56	-18.16
21	.5966	15.47	Qp	9.3	0	10	1.15	35.92	-	-	56	-20.08

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS



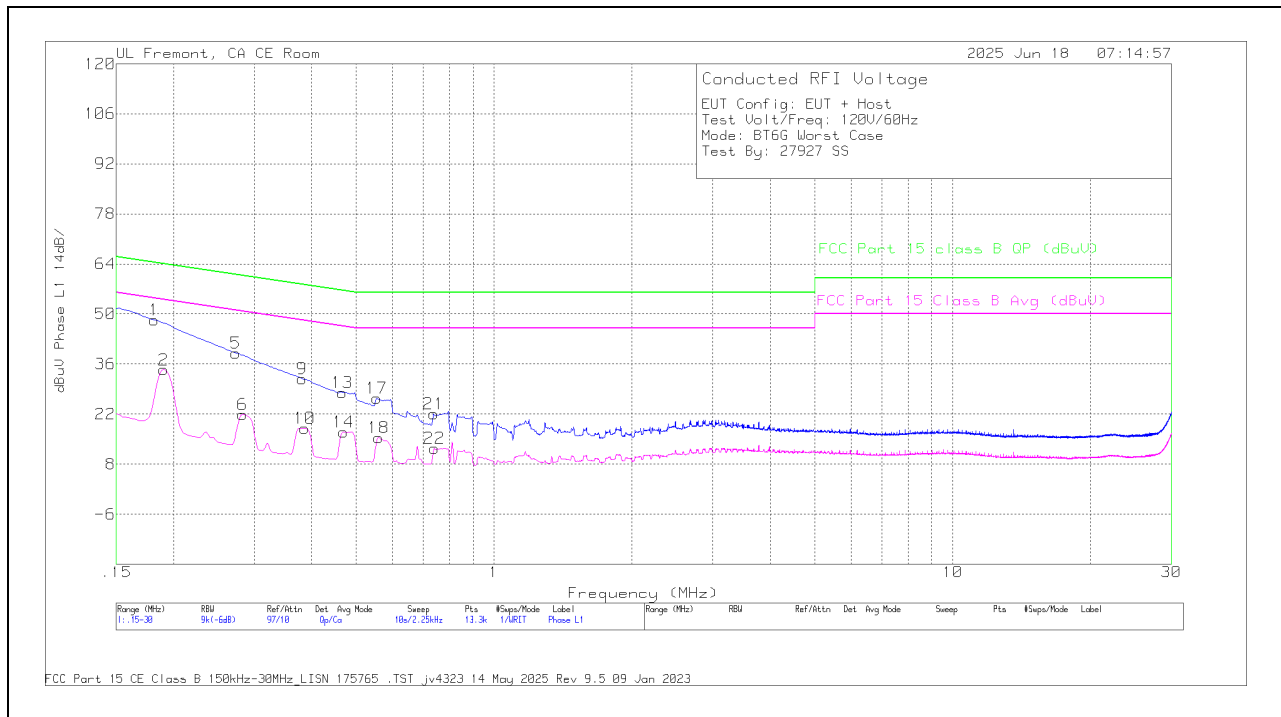
Range 2: Phase L2 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Line 2 C3_C2_Limiter no Pad_UL(dB)	LISN (dB)	10dB Atten (dB)	DCCF (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
4	.1658	16.62	Ca	9.4	.1	10	1.15	37.27	55.17	-17.9	-	-
8	.2513	10.46	Ca	9.4	0	10	1.15	31.01	51.72	-20.71	-	-
12	.3345	3.89	Ca	9.3	0	10	1.15	24.34	49.34	-25	-	-
16	.42	1.3	Ca	9.3	0	10	1.15	21.75	47.45	-25.7	-	-
20	.5078	0	Ca	9.3	0	10	1.15	20.45	46	-25.55	-	-
24	.5955	-3.26	Ca	9.3	0	10	1.15	17.19	46	-28.81	-	-
3	.1635	32.02	Qp	9.4	.1	10	1.15	52.67	-	-	65.28	-12.61
7	.2535	26.64	Qp	9.4	0	10	1.15	47.19	-	-	61.64	-14.45
11	.3413	21.48	Qp	9.3	0	10	1.15	41.93	-	-	59.17	-17.24
15	.4268	17.9	Qp	9.3	0	10	1.15	38.35	-	-	57.32	-18.97
19	.5123	17.35	Qp	9.3	0	10	1.15	37.8	-	-	56	-18.2
23	.5966	15.15	Qp	9.3	0	10	1.15	35.6	-	-	56	-20.4

Qp - Quasi-Peak detector

Ca - CISPR average detection

12.2. EUT WITH LAPTOP

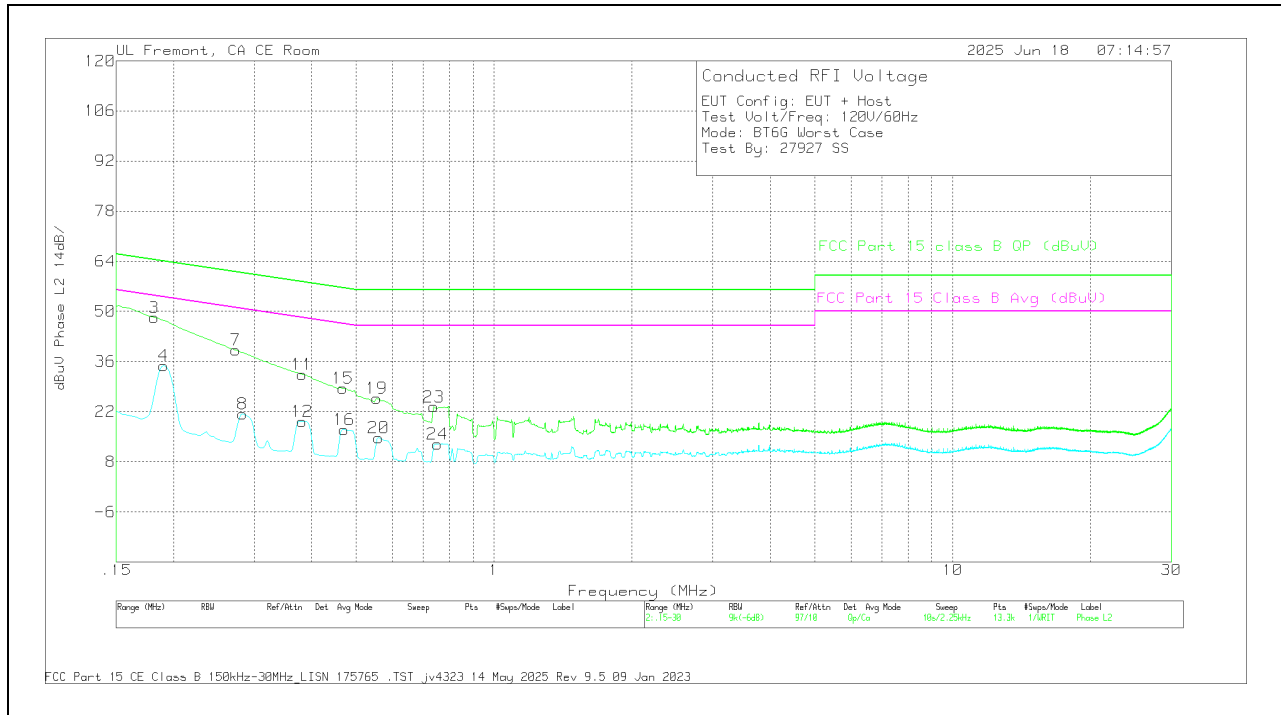
LINE 1 RESULTS



Range 1: Phase L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Line 1 C3_C1_Limiter no Pad UL(dB)	LISN (dB)	10dB Atten (dB)	DCCF (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
2	.1905	13.86	Ca	9.4	.1	10	1.04	34.4	54.01	-19.61	-	-
6	.2828	1.45	Ca	9.4	0	10	1.04	21.89	50.73	-28.84	-	-
10	.3863	-2.42	Ca	9.4	0	10	1.04	18.02	48.14	-30.12	-	-
14	.4695	-3.53	Ca	9.4	0	10	1.04	16.91	46.52	-29.61	-	-
18	.5595	-5	Ca	9.3	0	10	1.04	15.34	46	-30.66	-	-
22	.7418	-8.03	Ca	9.4	0	10	1.04	12.41	46	-33.59	-	-
1	.1815	27.74	Qp	9.4	.1	10	1.04	48.28	-	-	64.42	-16.14
5	.2738	18.67	Qp	9.4	0	10	1.04	39.11	-	-	61	-21.89
9	.3818	11.45	Qp	9.4	0	10	1.04	31.89	-	-	58.24	-26.35
13	.4673	7.64	Qp	9.4	0	10	1.04	28.08	-	-	56.56	-28.48
17	.555	6.16	Qp	9.3	0	10	1.04	26.5	-	-	56	-29.5
21	.7395	1.6	Qp	9.4	0	10	1.04	22.04	-	-	56	-33.96

Qp - Quasi-Peak detector
 Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Phase L2 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Line 2 C3_C2_Limiter no Pad_UL(dB)	LISN (dB)	10dB Atten (dB)	DCCF (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
4	.1905	14.35	Ca	9.4	0	10	1.04	34.79	54.01	-19.22	-	-
8	.2828	.86	Ca	9.4	0	10	1.04	21.3	50.73	-29.43	-	-
12	.3818	-1.12	Ca	9.3	0	10	1.04	19.22	48.24	-29.02	-	-
16	.4706	-3.34	Ca	9.3	0	10	1.04	17	46.5	-29.5	-	-
20	.5606	-5.71	Ca	9.3	0	10	1.04	14.63	46	-31.37	-	-
24	.753	-7.42	Ca	9.3	0	10	1.04	12.92	46	-33.08	-	-
3	.1815	27.82	Qp	9.4	0	10	1.04	48.26	-	-	64.42	-16.16
7	.2738	18.73	Qp	9.4	0	10	1.04	39.17	-	-	61	-21.83
11	.3818	12.1	Qp	9.3	0	10	1.04	32.44	-	-	58.24	-25.8
15	.4684	8.14	Qp	9.3	0	10	1.04	28.48	-	-	56.54	-28.06
19	.555	5.43	Qp	9.3	0	10	1.04	25.77	-	-	56	-30.23
23	.7395	3.02	Qp	9.3	0	10	1.04	23.36	-	-	56	-32.64

Qp - Quasi-Peak detector
Ca - CISPR average detection

13. SETUP PHOTOS

Refer to 15496224-EP1V1 FCC IC Setup_Photo for setup photos

APPENDIX A – SPOT CHECK EVALUATION

1. SPOT CHECK EVALUATION

1.1. MODEL DIFFERENCES

The manufacturer hereby declares the following for models A3256 and A3522.

Two models have the same PCB layout, design, common components, antennas, antenna locations and housing cases, except for FR2 is removed from variants which caused antenna gain changed as documented in section 6.5.1 of the report and disabled/enabled cellular bands via software as shown below.

Model	FCC ID	IC ID	Feature Difference	Sim Support	Reference Model
A3256	BCG-E8949A	579C-E8949A	-With FR2/LTE/5G NR B14/29/71 -No B11/21 -With UL MIMO (n41/48/77)	eSIM	-
A3522	BCG-E8957A	579C-E8957A	-Without FR2 -Added B11/21 -No UL MIMO	eSIM	A3256

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).

$$d_{dB} = |V_{dB} - R_{dB}| \quad (1)$$

$$d_{dB} \leq d_{dBmax} \quad (2)$$

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

Where d_{dB} is deviation between the variant and the reference model, V_{dB} is variant spot check level, R_{dB} is the corresponding reference measurement level, d_{dBmax} is the maximum deviation d_{dB} allowed, and M_{dB} is the margin in dB.

1.2. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3522

A3522 SPOT CHECK RESULTS												
Equipment Class / Technology	Frequency (GHz)	Mode	Data Rate	Test Item		Channel	Measured Frequency (GHz)	Original Model: A3256	Sub Model: A3522	Delta (dB)	Margin	Remarks
								FCC ID : BCG-E8949A IC : 579C-E8949A	FCC ID : BCG-E8957A IC : 579C-E8957A			
6VL / NB UNII-5	5925 - 6425 UNII-5	HDT4 (ANT5)	HDT4	EIRP Power (dBm)	Fundamental	Mid	6265	-5.05	-5.17	-0.12	-19.05	Note 1
		BLE (ANT5)	HDRPM8	EIRP Power (dBm)	Fundamental	Low	6107	-2.66	-2.74	-0.08	-16.66	Note 1
		HDR (ANT5)	XHDRPL16	EIRP Power (dBm)	Fundamental	Low	6109	0.48	0.43	-0.05	-13.52	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.