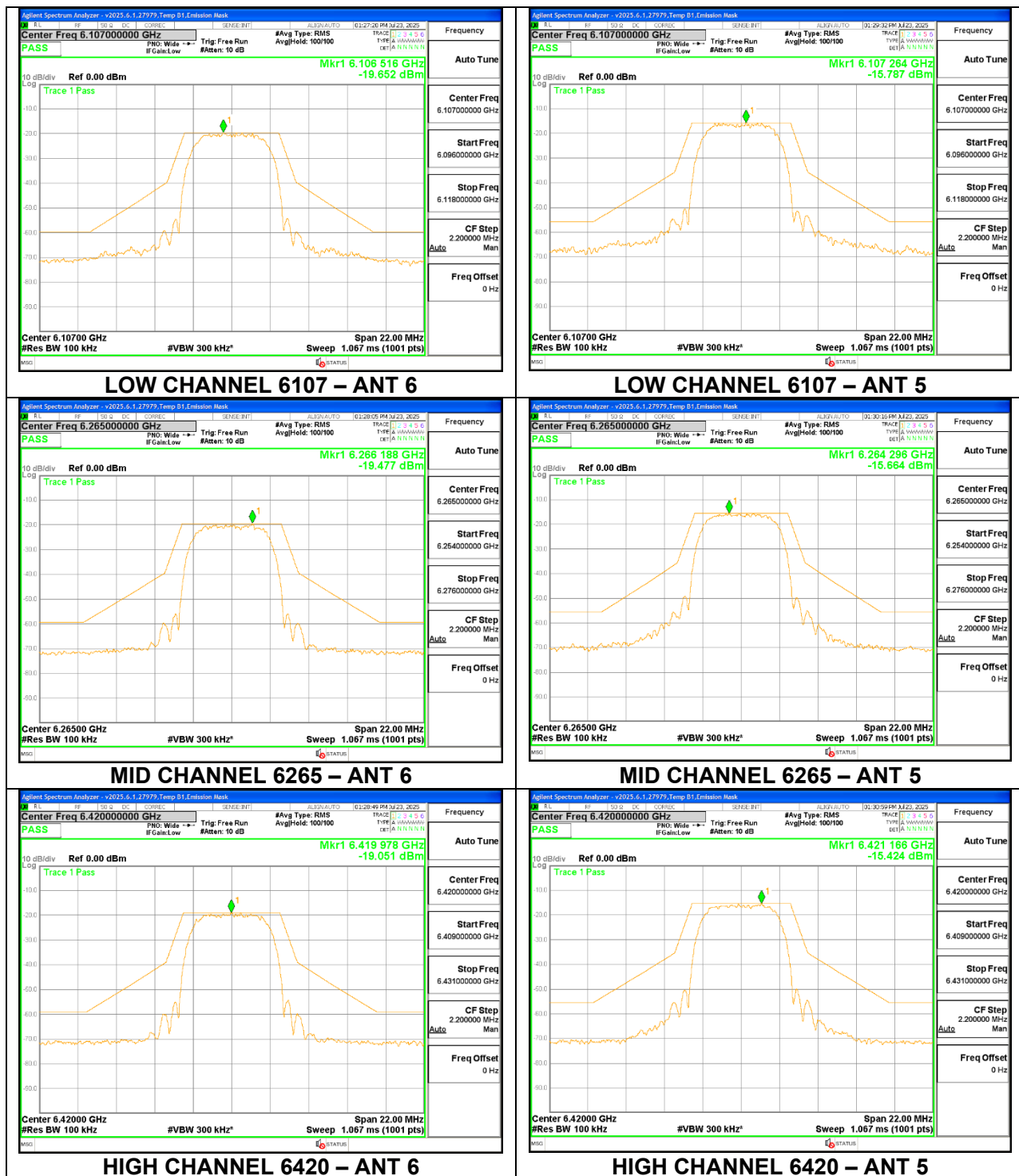
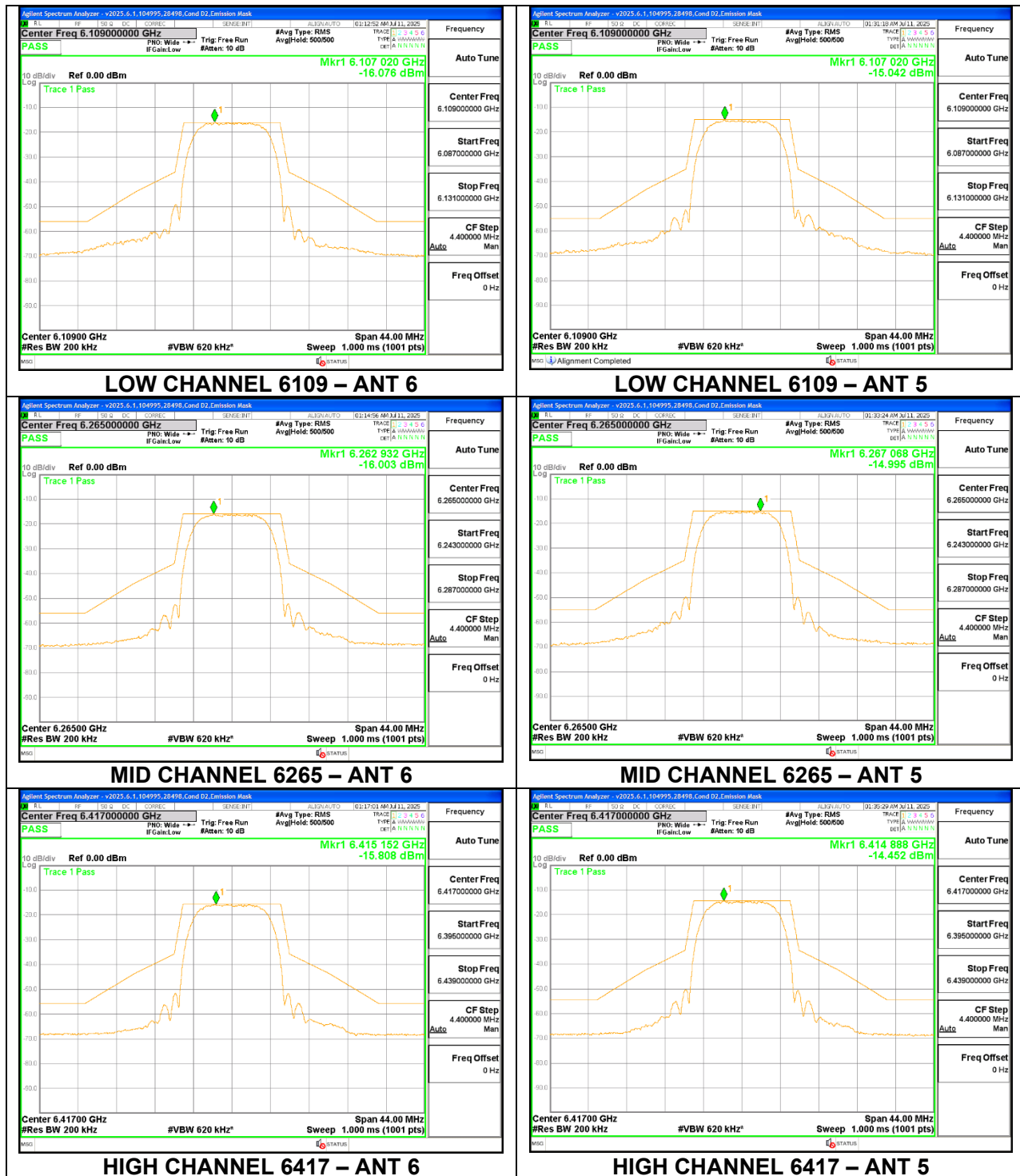
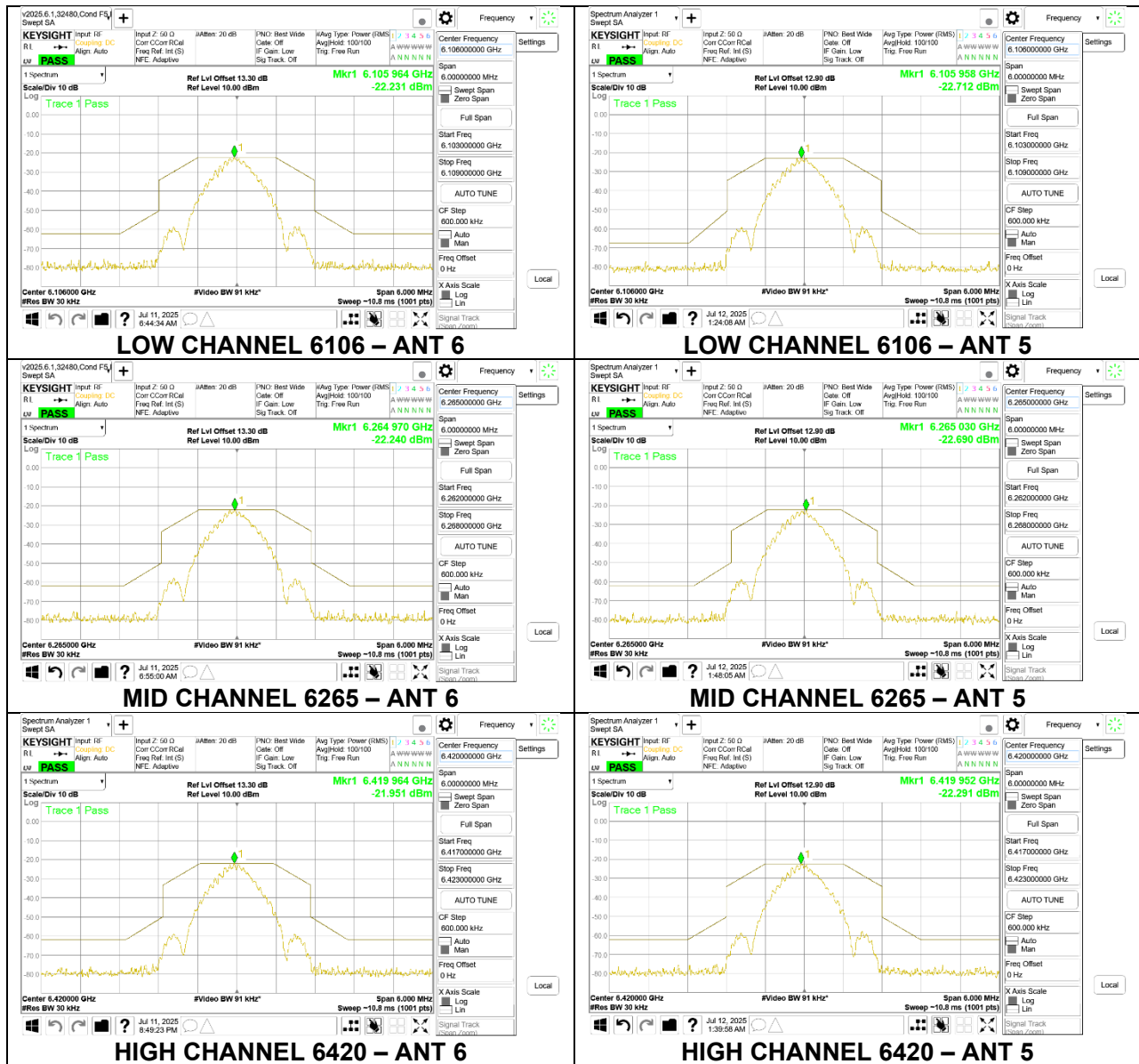


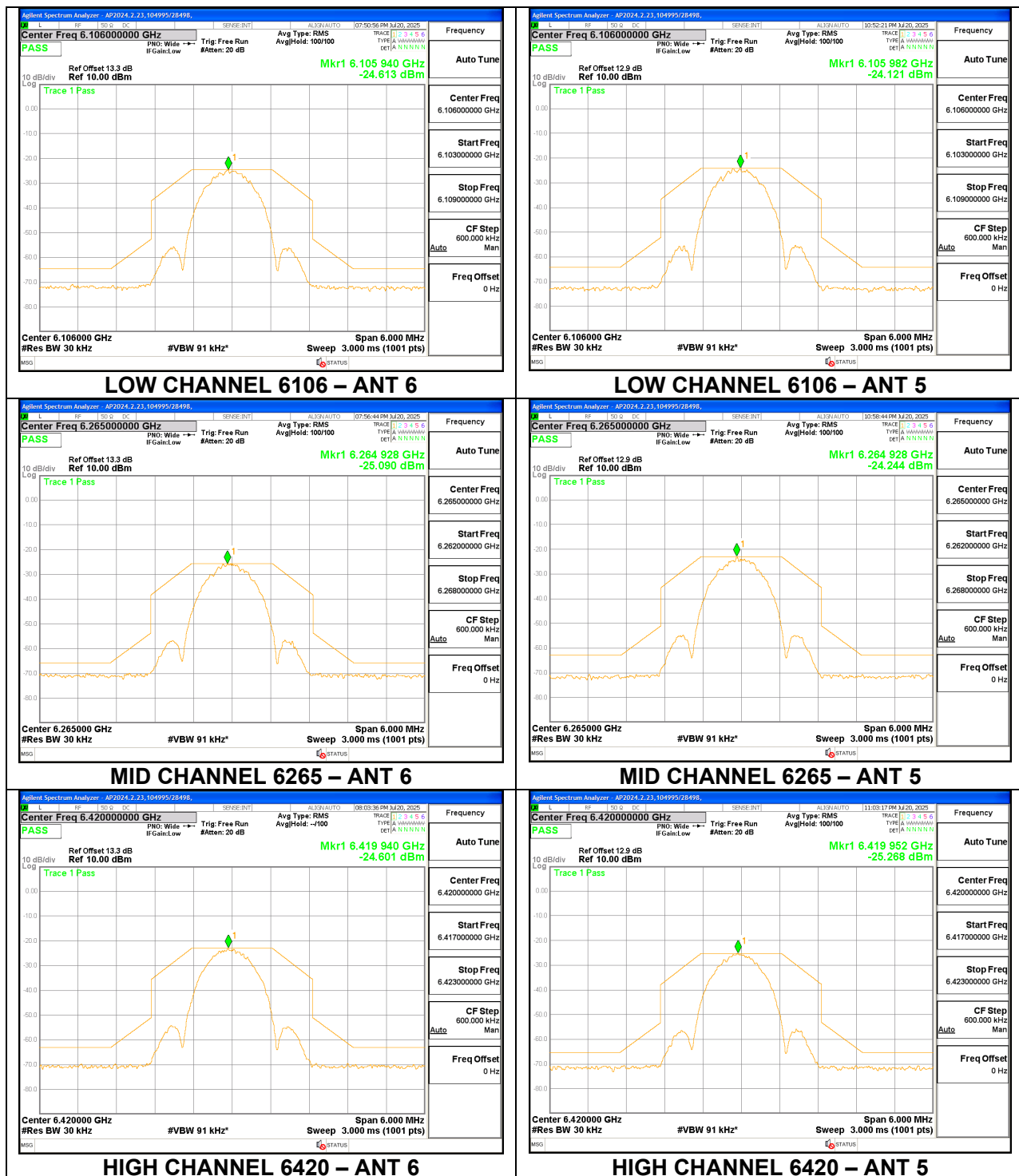
XHDRPM8

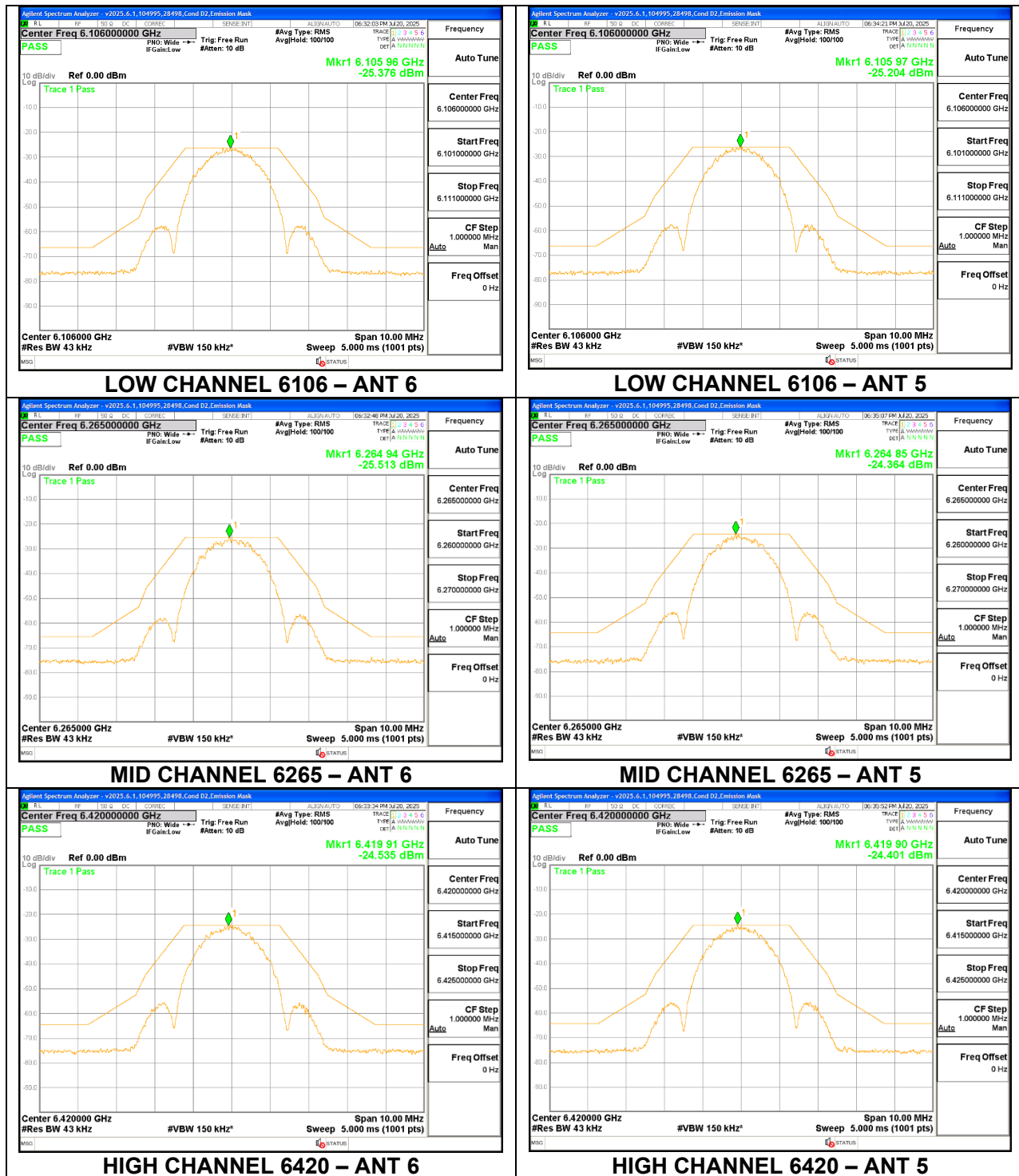
HDRPL8

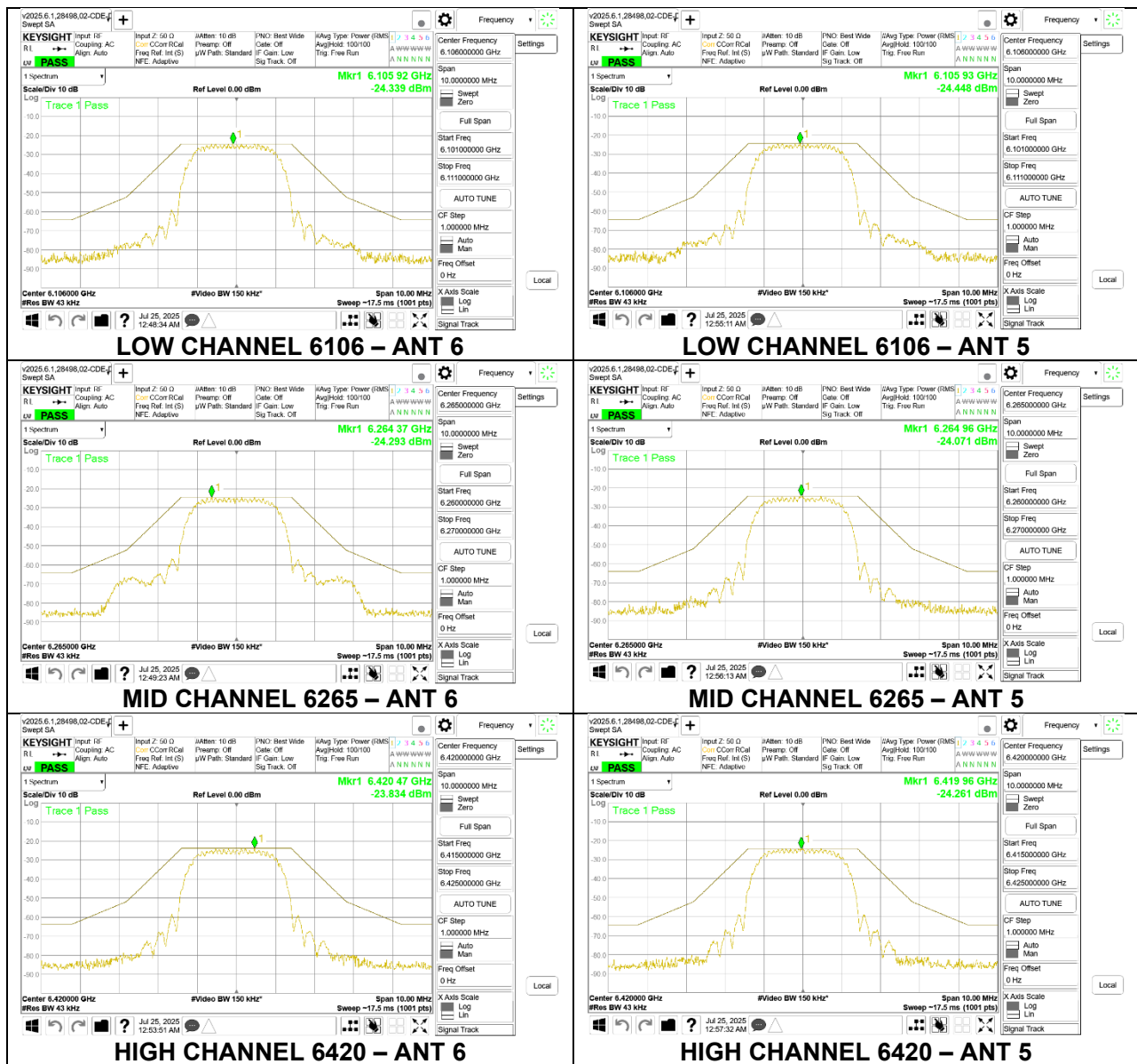
9.4.4. LOW POWER UNII-5 BAND MIMO TXBF MODE

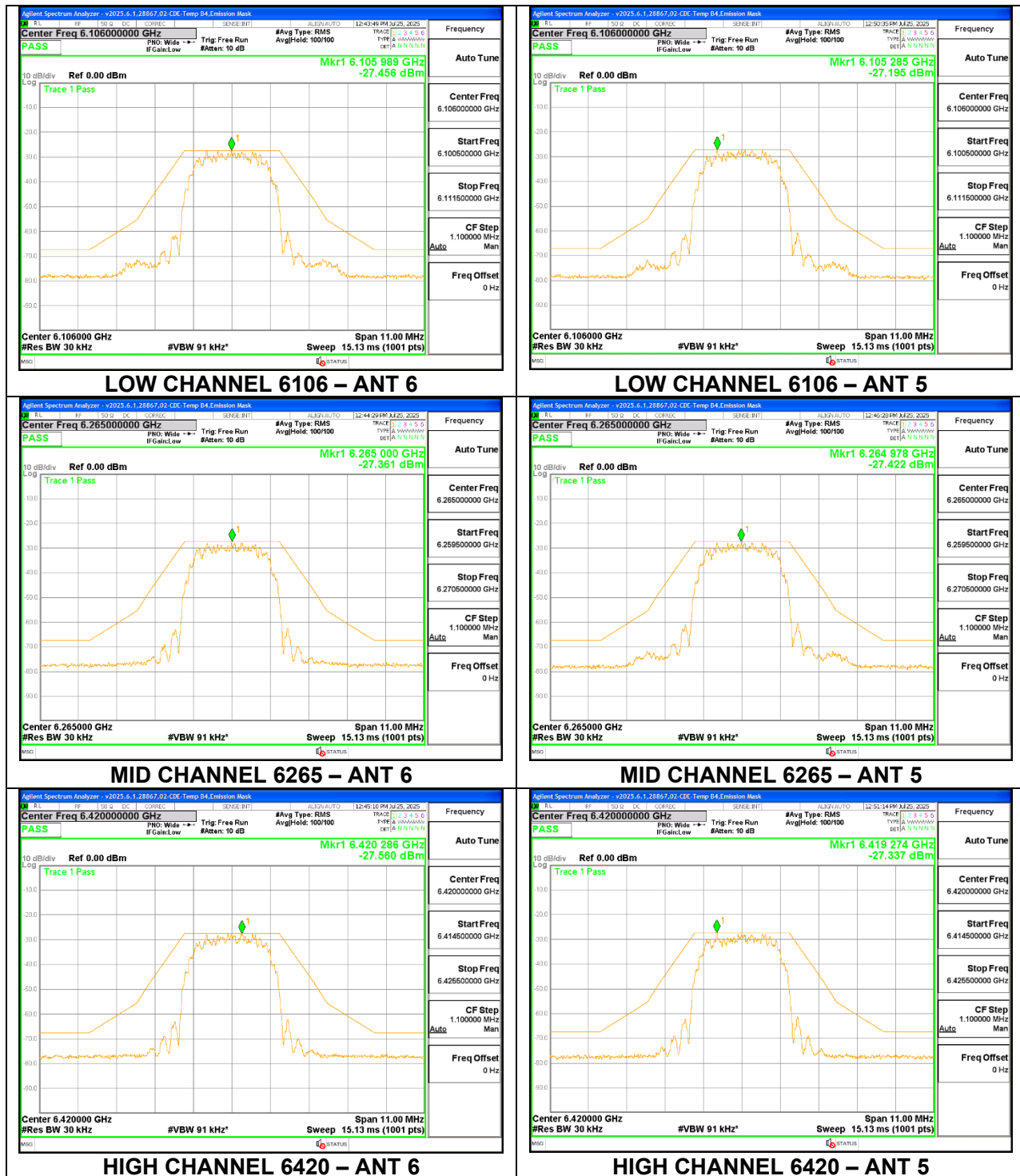
BDR

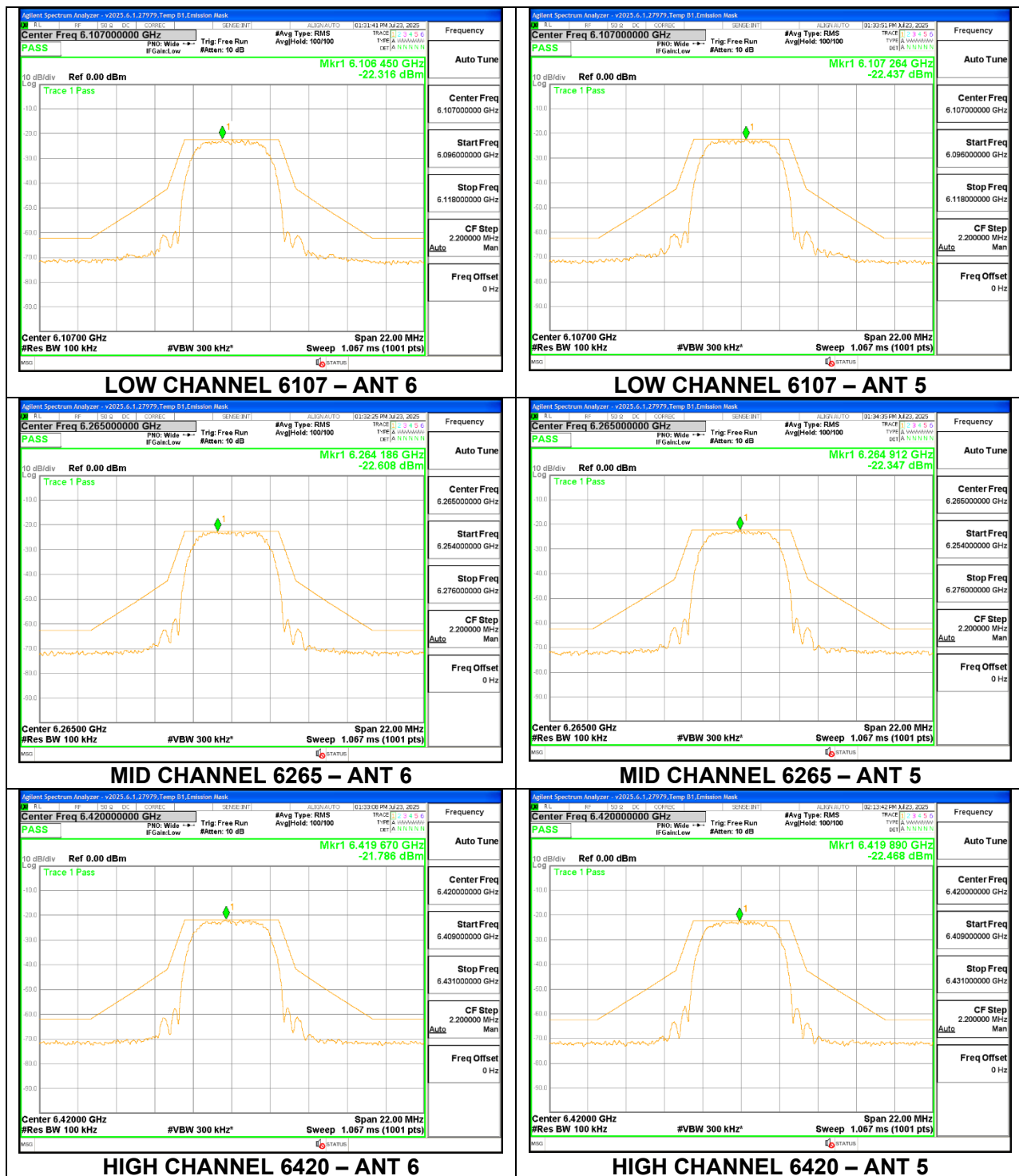


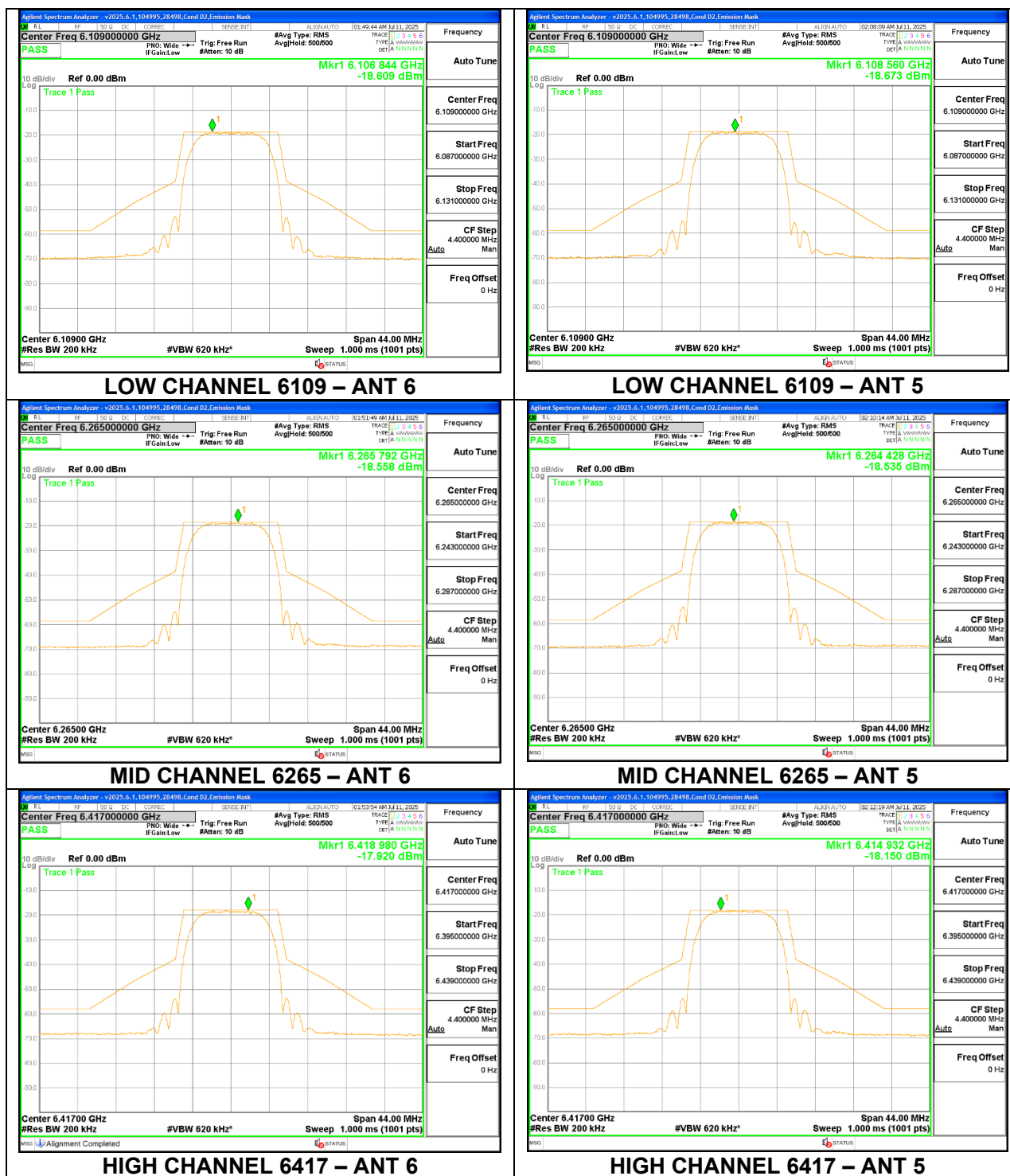
LE1M

LE2M

HDT4

HDR4

XHDRPM8

HDRPL8

10. VLP TPC

LIMITS

(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 HDR4 hopping low power mode.

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

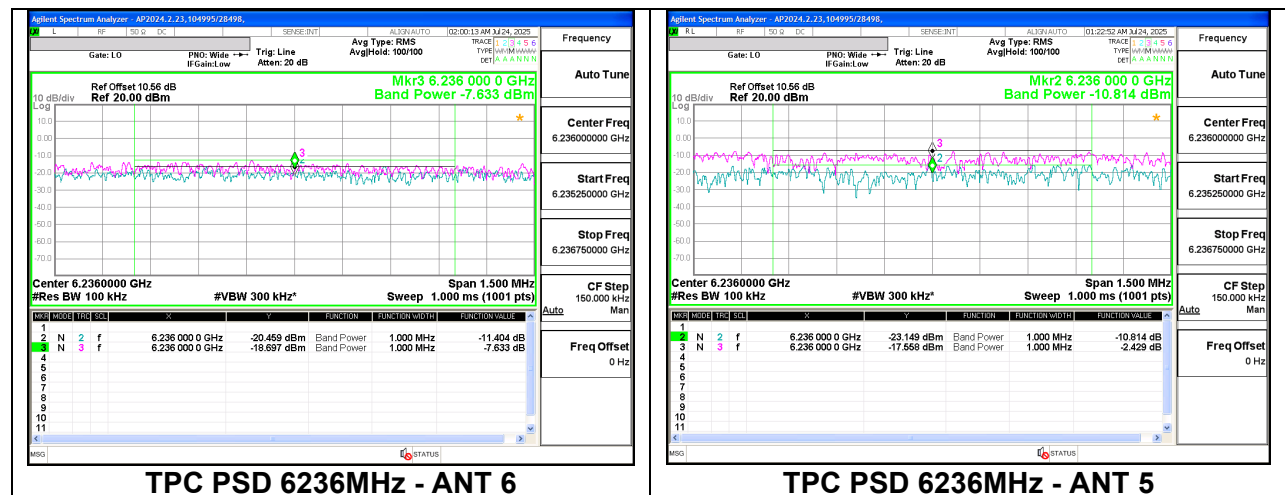
RESULTS

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	-9.3	-11.404	-7.633	3.77	-13.07	-7.102	-10.814	-2.429	8.39	-15.49

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 (dBm)	Det	AF (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	5.747667	-73.4	RMS	34.6	11.8	0	-26	-53	-27	-26	-	-	90	105	H
			5.889468	-61.32	Pk	35	11.8	0	-26.2	-40.72	-	-	-7	-33.72	90	105	H
			5.925	-63.82	Pk	35.1	11.8	0	-26.2	-43.12	-	-	-7	-36.12	90	105	H
			5.925	-75.39	RMS	35.1	11.8	0	-26.2	-54.69	-27	-27.69	-	-	90	105	H
			5.718334	-73.37	RMS	34.5	11.8	0	-26	-53.07	-27	-26.07	-	-	70	103	V
			5.760734	-61.5	Pk	34.6	11.8	0	-26.1	-41.2	-	-	-7	-34.2	70	103	V
			5.925	-65.14	Pk	35.1	11.8	0	-26.2	-44.44	-	-	-7	-37.44	70	103	V
			5.925	-75.01	RMS	35.1	11.8	0	-26.2	-54.31	-27	-27.31	-	-	70	103	V
		5	5.876535	-78.57	RMS	35	11.8	0	-16.3	-48.07	-27	-21.07	-	-	93	215	H
			5.890135	-67.22	Pk	35	11.8	0	-16.3	-36.72	-	-	-7	-29.72	93	215	H
			5.925	-68.75	Pk	35.1	11.8	0	-16.2	-38.05	-	-	-7	-31.05	93	215	H
			5.925	-80.32	RMS	35.1	11.8	0	-16.2	-49.62	-27	-22.62	-	-	93	215	H
			5.888535	-79.07	RMS	35	11.8	0	-16.3	-48.57	-27	-21.57	-	-	99	205	V
			5.889001	-67.15	Pk	35	11.8	0	-16.3	-36.65	-	-	-7	-29.65	99	205	V
			5.925	-69.16	Pk	35.1	11.8	0	-16.2	-38.46	-	-	-7	-31.46	99	205	V
			5.925	-80.48	RMS	35.1	11.8	0	-16.2	-49.78	-27	-22.78	-	-	99	205	V
LE1M	6106	6	5.849201	-73.7	RMS	34.9	11.8	0.72	-25.9	-52.18	-27	-25.18	-	-	54	110	H
			5.872401	-61.53	Pk	35	11.8	0	-26	-40.73	-	-	-7	-33.73	54	110	H
			5.925	-63.62	Pk	35.1	11.8	0	-26.2	-42.92	-	-	-7	-35.92	54	110	H
			5.925	-74.85	RMS	35.1	11.8	0.72	-26.2	-53.43	-27	-26.43	-	-	54	110	H
			5.717267	-61.47	Pk	34.5	11.8	0	-26	-41.17	-	-	-7	-34.17	348	274	V
			5.726467	-73.32	RMS	34.5	11.8	0.72	-26.1	-52.4	-27	-25.4	-	-	348	274	V
			5.925	-64.35	Pk	35.1	11.8	0	-26.2	-43.65	-	-	-7	-36.65	348	274	V
			5.925	-75.51	RMS	35.1	11.8	0.72	-26.2	-54.09	-27	-27.09	-	-	348	274	V
		5	5.913001	-67.74	Pk	35.1	11.8	0	-16.2	-37.04	-	-	-7	-30.04	103	227	H
			5.923201	-79.37	RMS	35.1	11.8	0.72	-16.3	-48.05	-27	-21.05	-	-	103	227	H
			5.925	-68.39	Pk	35.1	11.8	0	-16.2	-37.69	-	-	-7	-30.69	103	227	H
			5.925	-80.82	RMS	35.1	11.8	0.72	-16.2	-49.4	-27	-22.4	-	-	103	227	H
			5.851201	-67.33	Pk	34.9	11.8	0	-16.4	-37.03	-	-	-7	-30.03	108	199	V
			5.914135	-79.31	RMS	35.1	11.8	0.72	-16.2	-47.89	-27	-20.89	-	-	108	199	V
			5.925	-70.56	Pk	35.1	11.8	0	-16.2	-39.86	-	-	-7	-32.86	108	199	V
			5.925	-80.32	RMS	35.1	11.8	0.72	-16.2	-48.9	-27	-21.9	-	-	108	199	V
LE2M	6106	6	5.901335	-79.14	RMS	35	11.8	2.42	-16.2	-46.1	-27	-19.12	-	-	231	111	H
			5.918068	-67.5	Pk	35.1	11.8	0	-16.3	-36.9	-	-	-7	-29.9	231	111	H
			5.925	-69.2	Pk	35.1	11.8	0	-16.2	-38.5	-	-	-7	-31.5	231	111	H
			5.925	-81.03	RMS	35.1	11.8	2.42	-16.2	-47.91	-27	-20.91	-	-	231	111	H
			5.850534	-79.16	RMS	34.9	11.8	2.42	-16.4	-46.44	-27	-19.44	-	-	234	234	V
			5.871935	-67.66	Pk	35	11.8	0	-16.2	-37.06	-	-	-7	-30.06	234	234	V
			5.925	-69.77	Pk	35.1	11.8	0	-16.2	-39.07	-	-	-7	-32.07	234	234	V
			5.925	-80.92	RMS	35.1	11.8	2.42	-16.2	-47.8	-27	-20.8	-	-	234	234	V
		5	5.874135	-79.37	RMS	35	11.8	2.42	-16.2	-46.35	-27	-19.35	-	-	100	225	H
			5.886401	-67.52	Pk	35	11.8	0	-16.3	-37.02	-	-	-7	-30.02	100	225	H
			5.925	-69.79	Pk	35.1	11.8	0	-16.2	-39.09	-	-	-7	-32.09	100	225	H
			5.925	-80.65	RMS	35.1	11.8	2.42	-16.2	-47.53	-27	-20.53	-	-	100	225	H
			5.752467	-65.28	Pk	34.6	11.8	0	-17.2	-36.08	-	-	-7	-29.08	107	200	V
			5.863468	-78.99	RMS	34.9	11.8	2.42	-16.4	-46.27	-27	-19.27	-	-	107	200	V
			5.925	-69.25	Pk	35.1	11.8	0	-16.2	-38.55	-	-	-7	-31.55	107	200	V
			5.925	-80.56	RMS	35.1	11.8	2.42	-16.2	-47.44	-27	-20.44	-	-	107	200	V
HDT4	6106	6	5.858801	-78.47	RMS	34.9	11.8	0.3	-16.2	-47.67	-27	-20.67	-	-	74	130	H
			5.921868	-66.47	Pk	35.1	11.8	0	-16.3	-35.87	-	-	-7	-28.87	74	130	H
			5.925	-69.94	Pk	35.1	11.8	0	-16.2	-39.24	-	-	-7	-32.24	74	130	H
			5.925	-79.86	RMS	35.1	11.8	0.3	-16.2	-48.86	-27	-21.86	-	-	74	130	H
			5.772667	-65.88	Pk	34.6	11.8	0	-17.1	-36.58	-	-	-7	-29.58	52	105	V
			5.911868	-79.04	RMS	35.1	11.8	0.3	-16.2	-48.04	-27	-21.04	-	-	52	105	V
			5.925	-70.19	Pk	35.1	11.8	0	-16.2	-39.49	-	-	-7	-32.49	52	105	V
			5.925	-79.83	RMS	35.1	11.8	0.3	-16.2	-48.83	-27	-21.83	-	-	52	105	V
		5	5.871535	-66.83	Pk	35	11.8	0	-16.2	-36.23	-	-	-7	-29.23	89	223	H
			5.884468	-78.81	RMS	35	11.8	0.3	-16.3	-48.01	-27	-21.01	-	-	89	223	H
			5.925	-69.02	Pk	35.1	11.8	0	-16.2	-38.32	-	-	-7	-31.32	89	223	H
			5.925	-79.46	RMS	35.1	11.8	0.3	-16.2	-48.46	-27	-21.46	-	-	89	223	H
			5.859468	-78.69	RMS	34.9	11.8	0.3	-16.2	-47.89	-27	-20.89	-	-	126	222	V
			5.917135	-67.46	Pk	35.1	11.8	0	-16.2	-36.76	-	-	-7	-29.76	126	222	V
			5.925	-69.82	Pk	35.1	11.8	0	-16.2	-39.12	-	-	-7	-32.12	126	222	V
			5.925	-79.77	RMS	35.1	11.8	0.3	-16.2	-48.77	-27	-21.77	-	-	126	222	V

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

Pk - Peak detector

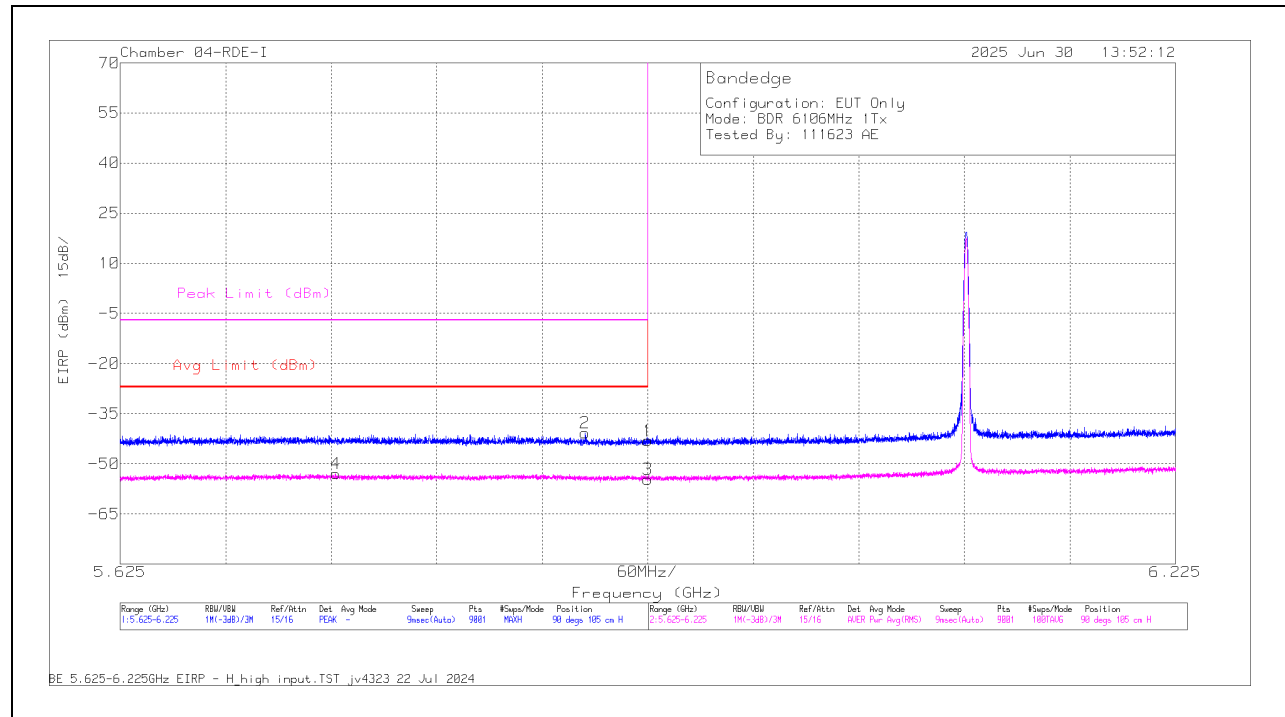
RMS - RMS detection

UNII-5 (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (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	5.628	-60.67	Pk	34.3	11.8	0	-26	-40.57	-	-	-7	-33.57	43	140	H
			5.7174	-73.27	RMS	34.5	11.8	1.28	-26	-51.69	-27	-24.69	-	-	43	140	H
			5.925	-64.95	Pk	35.1	11.8	0	-26.2	-44.25	-	-	-7	-37.25	43	140	H
			5.925	-75.21	RMS	35.1	11.8	1.28	-26.2	-53.23	-27	-26.23	-	-	43	140	H
			5.727201	-73.24	RMS	34.5	11.8	1.28	-26.1	-51.76	-27	-24.76	-	-	55	112	V
			5.788201	-61.31	Pk	34.7	11.8	0	-26.1	-40.91	-	-	-7	-33.91	55	112	V
		5	5.925	-65.08	Pk	35.1	11.8	0	-26.2	-44.38	-	-	-7	-37.38	55	112	V
			5.925	-75.12	RMS	35.1	11.8	1.28	-26.2	-53.14	-27	-26.14	-	-	55	112	V
			5.876135	-79.08	RMS	35	11.8	1.28	-16.3	-47.3	-27	-20.3	-	-	112	220	H
			5.911401	-67.45	Pk	35.1	11.8	0	-16.3	-36.85	-	-	-7	-29.85	112	220	H
			5.925	-70.16	Pk	35.1	11.8	0	-16.2	-39.46	-	-	-7	-32.46	112	220	H
			5.925	-80.95	RMS	35.1	11.8	1.28	-16.2	-48.97	-27	-21.97	-	-	112	220	H
			5.848734	-79.46	RMS	34.9	11.8	1.28	-16.3	-47.78	-27	-20.78	-	-	98	209	V
			5.917068	-67.41	Pk	35.1	11.8	0	-16.2	-36.71	-	-	-7	-29.71	98	209	V
			5.925	-70.1	Pk	35.1	11.8	0	-16.2	-39.4	-	-	-7	-32.4	98	209	V
			5.925	-79.96	RMS	35.1	11.8	1.28	-16.2	-47.98	-27	-20.98	-	-	98	209	V
XHDRPM8	6107	6	5.848668	-58.75	RMS	35	11.8	0.36	-37.8	-49.39	-27	-22.39	-	-	323	169	H
			5.886735	-47.62	Pk	35	11.8	0	-37.69	-38.51	-	-	-7	-31.51	323	169	H
			5.925	-48.47	Pk	35.1	11.8	0	-37.62	-39.19	-	-	-7	-32.19	323	169	H
			5.925	-60.01	RMS	35.1	11.8	0.36	-37.62	-50.37	-27	-23.37	-	-	323	169	H
			5.861668	-59.22	RMS	35	11.8	0.36	-37.73	-49.79	-27	-22.79	-	-	312	279	V
			5.881668	-46.62	Pk	35	11.8	0	-37.73	-37.55	-	-	-7	-30.55	312	279	V
		5	5.925	-50.32	Pk	35.1	11.8	0	-37.62	-41.04	-	-	-7	-34.04	312	279	V
			5.925	-60.48	RMS	35.1	11.8	0.36	-37.62	-50.84	-27	-23.84	-	-	312	279	V
			5.808001	-46.4	Pk	34.9	11.8	0	-37.97	-37.67	-	-	-7	-30.67	10	136	H
			5.892868	-58.75	RMS	35	11.8	0.36	-37.75	-49.34	-27	-23.37	-	-	10	136	H
			5.925	-50.13	Pk	35.1	11.8	0	-37.62	-40.85	-	-	-7	-33.85	10	136	H
			5.925	-60.11	RMS	35.1	11.8	0.36	-37.62	-50.47	-27	-23.37	-	-	10	136	H
			5.842934	-47.54	Pk	35	11.8	0	-37.65	-38.39	-	-	-7	-31.39	18	186	V
			5.868468	-59.33	RMS	35	11.8	0.36	-37.64	-49.81	-27	-23.37	-	-	18	186	V
			5.925	-50.02	Pk	35.1	11.8	0	-37.62	-40.74	-	-	-7	-33.74	18	186	V
			5.925	-60.82	RMS	35.1	11.8	0.36	-37.62	-51.18	-27	-23.37	-	-	18	186	V
HDRPL8	6109	6	5.695467	-47.36	Pk	34.7	11.8	0	-37.04	-37.9	-	-	-7	-30.9	340	101	H
			5.919335	-60.92	RMS	35.2	11.8	0.23	-36.52	-50.21	-27	-23.21	-	-	340	101	H
			5.925	-51.64	Pk	35.2	11.8	0	-36.54	-41.18	-	-	-7	-34.18	340	101	H
			5.925	-61.44	RMS	35.2	11.8	0.23	-36.54	-50.75	-27	-23.75	-	-	340	101	H
			5.842601	-49.22	Pk	35	11.8	0	-36.76	-39.18	-	-	-7	-32.18	320	263	V
			5.898735	-60.8	RMS	35.1	11.8	0.23	-36.62	-50.29	-27	-23.29	-	-	320	263	V
		5	5.925	-52.89	Pk	35.2	11.8	0	-36.54	-42.43	-	-	-7	-35.43	320	263	V
			5.925	-61.44	RMS	35.2	11.8	0.23	-36.54	-50.75	-27	-23.75	-	-	320	263	V
			5.795734	-66.51	Pk	34.7	11.8	0	-16.9	-36.91	-	-	-7	-29.91	287	221	H
			5.871268	-79.13	RMS	34.9	11.8	0.23	-16.2	-48.4	-27	-21.4	-	-	287	221	H
			5.925	-69.73	Pk	35.1	11.8	0	-16.2	-39.03	-	-	-7	-32.03	287	221	H
			5.925	-81.03	RMS	35.1	11.8	0.23	-16.2	-50.1	-27	-23.1	-	-	287	221	H
			5.858668	-79.02	RMS	34.9	11.8	0.23	-16.2	-48.29	-27	-21.29	-	-	283	188	V
			5.883801	-67.03	Pk	35	11.8	0	-16.4	-36.63	-	-	-7	-29.63	283	188	V
			5.925	-69.48	Pk	35.1	11.8	0	-16.2	-38.78	-	-	-7	-31.78	283	188	V
			5.925	-80.31	RMS	35.1	11.8	0.23	-16.2	-49.38	-27	-22.38	-	-	283	188	V

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

Pk - Peak detector

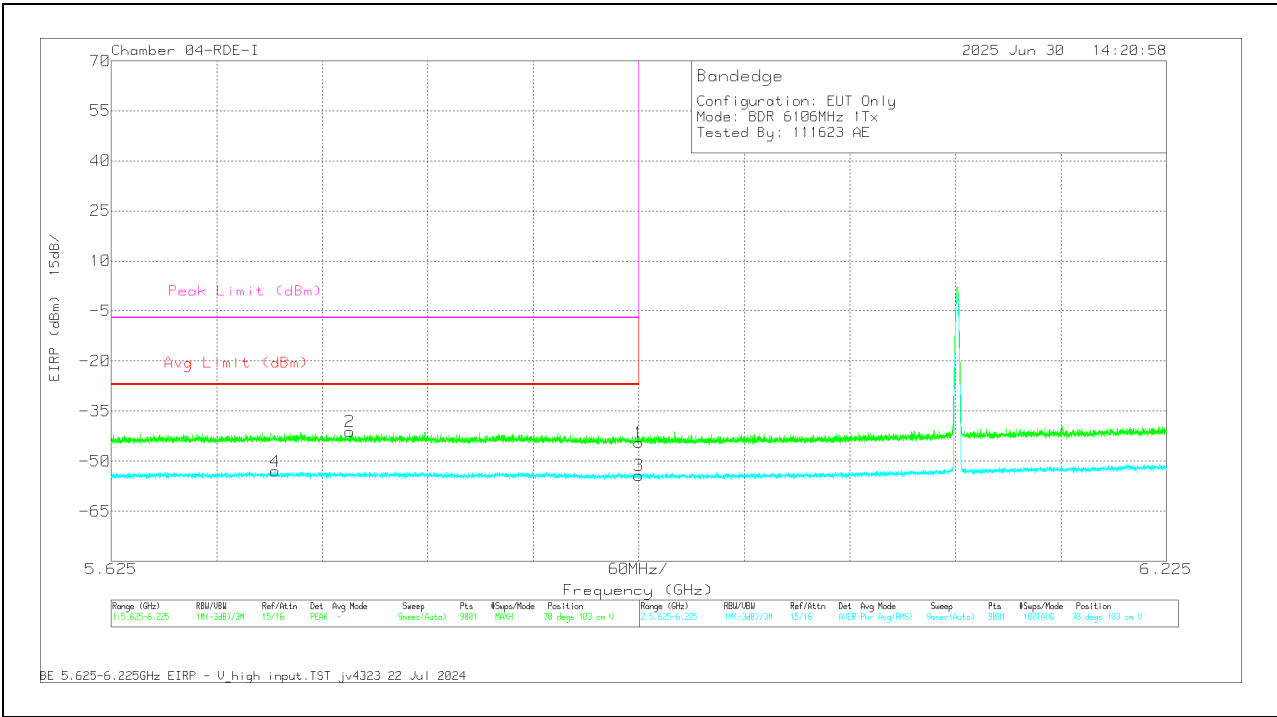
RMS - RMS detection

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

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	222740 ACF (dB/m)	Amp/Cbl (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
4	5.747667	-73.4	RMS	34.6	-26	11.8	0	-53	-27	-26	-	-	90	105	H
2	5.889468	-61.32	Pk	35	-26.2	11.8	0	-40.72	-	-	-7	-33.72	90	105	H
1	5.925	-63.82	Pk	35.1	-26.2	11.8	0	-43.12	-	-	-7	-36.12	90	105	H
3	5.925	-75.39	RMS	35.1	-26.2	11.8	0	-54.69	-27	-27.69	-	-	90	105	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	222740 ACF (dB/m)	Amp/Cbl (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
4	5.718334	-73.37	RMS	34.5	-26	11.8	0	-53.07	-27	-26.07	-	-	70	103	V
2	5.760734	-61.5	Pk	34.6	-26.1	11.8	0	-41.2	-	-	-7	-34.2	70	103	V
1	5.925	-65.14	Pk	35.1	-26.2	11.8	0	-44.44	-	-	-7	-37.44	70	103	V
3	5.925	-75.01	RMS	35.1	-26.2	11.8	0	-54.31	-27	-27.31	-	-	70	103	V

Pk - Peak detector
RMS - RMS detection

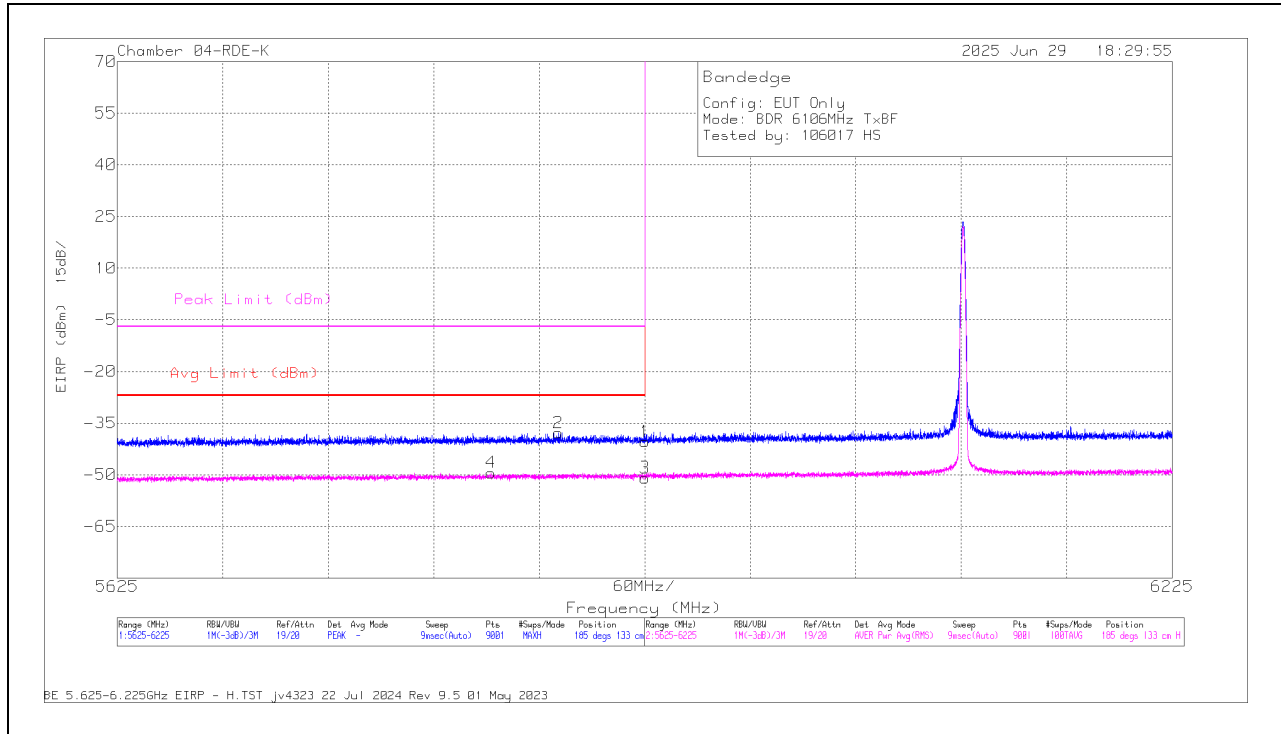
11.1.2. UNII-5 BAND MIMO MODE – BANDEDGE – HIGH POWER

UNII-5 (MIMO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBm)	Det	AF (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Correct Reading (dBm)	Avg Limit (dBm)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR	6106	6 + 5	5.837468	-66.43	RMS	35	11.8	0	-29.8	-49.43	-27	-22.43	-	-	185	133	H
			5.875801	-54.92	Pk	35	11.8	0	-29.7	-37.82	-	-	-7	-30.82	185	133	H
			5.925	-57.69	Pk	35.2	11.8	0	-29.7	-40.39	-	-	-7	-33.39	185	133	H
			5.925	-68.26	RMS	35.2	11.8	0	-29.7	-50.96	-27	-23.96	-	-	185	133	H
			5.796134	-54.32	Pk	34.8	11.8	0	-29.8	-37.52	-	-	-7	-30.52	223	215	V
			5.866668	-66.61	RMS	35	11.8	0	-29.7	-49.51	-27	-22.51	-	-	223	215	V
			5.925	-58.01	Pk	35.2	11.8	0	-29.7	-40.71	-	-	-7	-33.71	223	215	V
			5.925	-67.56	RMS	35.2	11.8	0	-29.7	-50.26	-27	-23.26	-	-	223	215	V
LE1M	6106	6 + 5	5.886401	-66.67	RMS	35.1	11.8	0.72	-29.7	-48.75	-27	-21.75	-	-	183	107	H
			5.887201	-54.68	Pk	35.1	11.8	0	-29.7	-37.48	-	-	-7	-30.48	183	107	H
			5.925	-56.83	Pk	35.2	11.8	0	-29.7	-39.53	-	-	-7	-32.53	183	107	H
			5.925	-67.64	RMS	35.2	11.8	0.72	-29.7	-49.62	-27	-22.62	-	-	183	107	H
			5.855201	-54.58	Pk	35	11.8	0	-29.8	-37.58	-	-	-7	-30.58	247	132	V
			5.904001	-66.91	RMS	35.1	11.8	0.72	-29.7	-48.99	-27	-21.99	-	-	247	132	V
			5.925	-57.77	Pk	35.2	11.8	0	-29.7	-40.47	-	-	-7	-33.47	247	132	V
			5.925	-68.18	RMS	35.2	11.8	0.72	-29.7	-50.16	-27	-23.16	-	-	247	132	V
LE2M	6106	6 + 5	5.791001	-53.65	Pk	34.8	11.8	0	-29.8	-36.85	-	-	-7	-29.85	220	226	H
			5.892868	-66.79	RMS	35.1	11.8	2.42	-29.7	-47.17	-27	-20.17	-	-	220	226	H
			5.925	-57.13	Pk	35.2	11.8	0	-29.7	-39.83	-	-	-7	-32.83	220	226	H
			5.925	-67.26	RMS	35.2	11.8	2.42	-29.7	-47.54	-27	-20.54	-	-	220	226	H
			5.892.801	-66.96	RMS	35.1	11.8	2.42	-29.7	-47.34	-27	-20.34	-	-	207	218	V
			5.911.535	-54.72	Pk	35.1	11.8	0	-29.7	-37.52	-	-	-7	-30.52	207	218	V
			5.925	-57.62	Pk	35.2	11.8	0	-29.7	-40.32	-	-	-7	-33.32	207	218	V
			5.925	-68.35	RMS	35.2	11.8	2.42	-29.7	-48.63	-27	-21.63	-	-	207	218	V
HDT4	6106	6 + 5	5.889201	-66.81	Pk	35	11.8	0	-16.3	-36.31	-	-	-7	-29.31	88	227	H
			5.917135	-78.7	RMS	35.1	11.8	0.3	-16.2	-47.7	-27	-20.7	-	-	88	227	H
			5.925	-70.19	Pk	35.1	11.8	0	-16.2	-39.49	-	-	-7	-32.49	88	227	H
			5.925	-80.54	RMS	35.1	11.8	0.3	-16.2	-49.54	-27	-22.54	-	-	88	227	H
			5.912335	-78.68	RMS	35.1	11.8	0.3	-16.2	-47.68	-27	-20.68	-	-	109	229	V
			5.878401	-66.95	Pk	35	11.8	0	-16.4	-36.55	-	-	-7	-29.55	109	229	V
			5.925	-69.45	Pk	35.1	11.8	0	-16.2	-38.75	-	-	-7	-31.75	109	229	V
			5.925	-79.93	RMS	35.1	11.8	0.3	-16.2	-48.93	-27	-21.93	-	-	109	229	V
HDR4	6106	6 + 5	5.809601	-54.91	Pk	34.9	11.8	0	-29.8	-38.01	-	-	-7	-31.01	257	105	H
			5.918135	-66.91	RMS	35.1	11.8	1.28	-29.7	-48.43	-27	-21.43	-	-	257	105	H
			5.925	-57.95	Pk	35.2	11.8	0	-29.7	-40.65	-	-	-7	-33.65	257	105	H
			5.925	-67.9	RMS	35.2	11.8	1.28	-29.7	-49.32	-27	-22.32	-	-	257	105	H
			5.818934	-55.19	Pk	34.9	11.8	0	-29.8	-38.29	-	-	-7	-31.29	222	188	V
			5.915735	-66.84	RMS	35.1	11.8	1.28	-29.7	-48.36	-27	-21.36	-	-	222	188	V
			5.925	-58.14	Pk	35.2	11.8	0	-29.7	-40.84	-	-	-7	-33.84	222	188	V
			5.925	-67.92	RMS	35.2	11.8	1.28	-29.7	-49.34	-27	-22.34	-	-	222	188	V
XHDPM8	6107	6 + 5	5.842334	-47.19	Pk	35	11.8	0	-37.66	-38.05	-	-	-7	-31.05	6	115	H
			5.845334	-58.9	RMS	35	11.8	0.36	-37.71	-49.45	-27	-22.45	-	-	6	115	H
			5.925	-50.24	Pk	35.1	11.8	0	-37.62	-40.96	-	-	-7	-33.96	6	115	H
			5.925	-59.91	RMS	35.1	11.8	0.36	-37.62	-50.27	-27	-23.27	-	-	6	115	H
			5.767067	-46.66	Pk	34.8	11.8	0	-37.99	-38.05	-	-	-7	-31.05	20	121	V
			5.874001	-59.34	RMS	35	11.8	0.36	-37.6	-49.78	-27	-22.78	-	-	20	121	V
			5.925	-50.01	Pk	35.1	11.8	0	-37.62	-40.73	-	-	-7	-33.73	20	121	V
			5.925	-60.67	RMS	35.1	11.8	0.36	-37.62	-51.03	-27	-24.03	-	-	20	121	V
HDRPL8	6109	6 + 5	5.897868	-67.09	Pk	35	11.8	0	-16.3	-36.59	-	-	-7	-29.59	87	142	H
			5.914601	-79.18	RMS	35.1	11.8	0.23	-16.2	-48.25	-27	-21.25	-	-	87	142	H
			5.925	-69.43	Pk	35.1	11.8	0	-16.2	-38.73	-	-	-7	-31.73	87	142	H
			5.925	-80.21	RMS	35.1	11.8	0.23	-16.2	-49.28	-27	-22.28	-	-	87	142	H
			5.874001	-67.09	Pk	35	11.8	0	-16.2	-36.49	-	-	-7	-29.49	103	143	V
			5.912801	-79.33	RMS	35.1	11.8	0.23	-16.2	-48.4	-27	-21.4	-	-	103	143	V
			5.925	-69.89	Pk	35.1	11.8	0	-16.2	-39.19	-	-	-7	-32.19	103	143	V
			5.925	-80.15	RMS	35.1	11.8	0.23	-16.2	-49.22	-27	-22.22	-	-	103	143	V

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

Pk - Peak detector

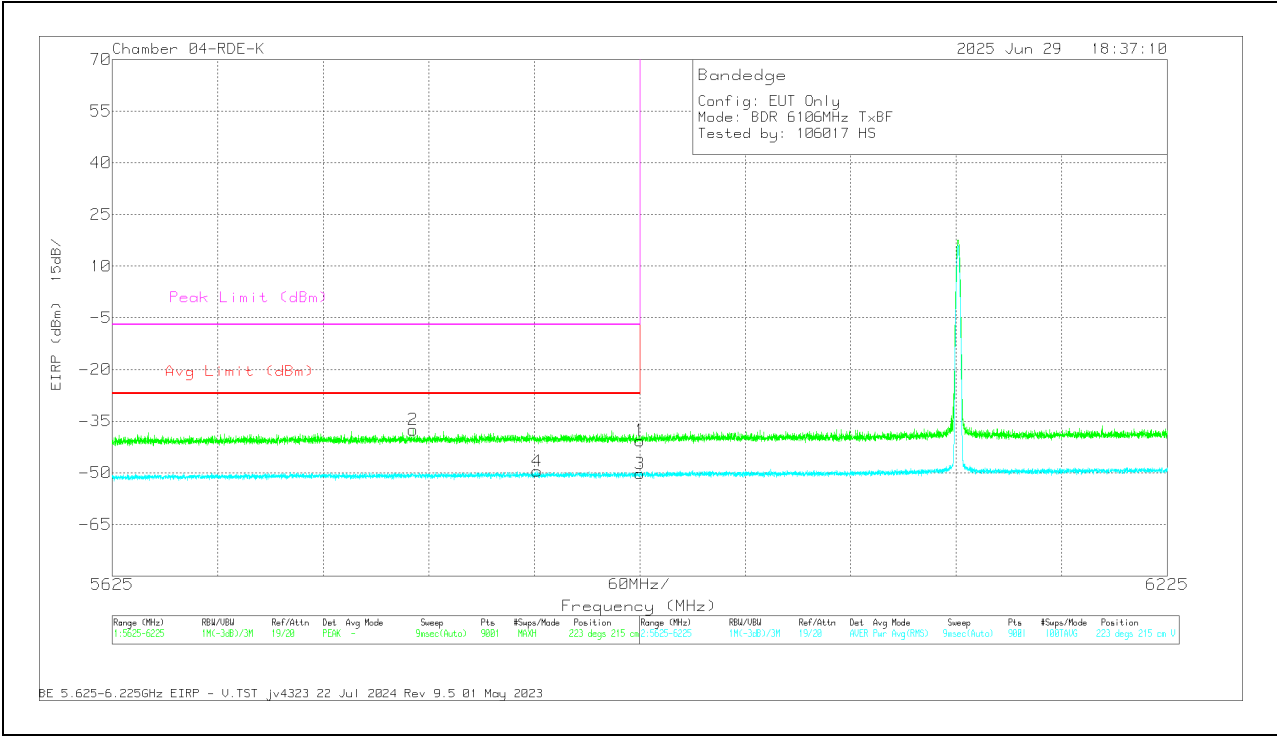
RMS - RMS detection

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

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	206808 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
4	5837.468	-66.43	RMS	35	-29.8	11.8	0	-49.43	-27	-22.43	-	-	185	133	H
2	5875.801	-54.92	Pk	35	-29.7	11.8	0	-37.82	-	-	-7	-30.82	185	133	H
1	5925	-57.69	Pk	35.2	-29.7	11.8	0	-40.39	-	-	-7	-33.39	185	133	H
3	5925	-68.26	RMS	35.2	-29.7	11.8	0	-50.96	-27	-23.96	-	-	185	133	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBm)	Det	206808 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	5796.134	-54.32	Pk	34.8	-29.8	11.8	0	-37.52	-	-	-7	-30.52	223	215	V
4	5866.668	-66.61	RMS	35	-29.7	11.8	0	-49.51	-27	-22.51	-	-	223	215	V
1	5925	-58.01	Pk	35.2	-29.7	11.8	0	-40.71	-	-	-7	-33.71	223	215	V
3	5925	-67.56	RMS	35.2	-29.7	11.8	0	-50.26	-27	-23.26	-	-	223	215	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	* 1.609873	45.93	PK-U	28.2	-27.26	0	46.87	-	-	74	-27.13	330	171	H
			* 1.598639	34.18	ADR	28.1	-27.28	0	35	54	-19	-	-	330	171	H
			* 1.587224	45.98	PK-U	28.1	-27.27	0	46.81	-	-	74	-27.19	338	384	V
			* 1.614034	34.3	ADR	28.2	-27.31	0	35.19	54	-18.81	-	-	338	384	V
			2.596138	34.59	ADR	32.5	-26.19	0	40.9	68.2	-27.3	-	-	349	304	V
			2.596331	34.87	ADR	32.5	-26.2	0	41.17	68.2	-27.03	-	-	191	394	H
			2.603206	46.47	PK-U	32.5	-26.24	0	52.73	-	-	88.2	-35.47	349	304	V
			2.619078	45.99	PK-U	32.5	-26.07	0	52.42	-	-	88.2	-35.78	191	394	H
			14.787918	57.09	PK-U	39.8	-44.07	0	52.82	-	-	88.2	-35.38	49	394	V
			14.813423	45.43	ADR	39.8	-44.12	0	41.11	68.2	-27.09	-	-	49	394	V
			14.835972	44.97	ADR	39.8	-44.26	0	40.51	68.2	-27.69	-	-	11	130	H
			14.861295	57.01	PK-U	39.8	-43.87	0	52.94	-	-	88.2	-35.26	11	130	H
	6265	6 + 5	* 2.212729	45.93	PK-U	31.5	-26.56	0	50.87	-	-	74	-23.13	210	126	H
			* 2.205754	34.34	ADR	31.4	-26.54	0	39.2	54	-14.8	-	-	210	126	H
			* 2.214187	34.2	ADR	31.5	-26.64	0	39.06	54	-14.94	-	-	357	312	V
			2.192626	45.82	PK-U	31.4	-26.63	0	50.59	-	-	88.2	-37.61	357	312	V
			5.715014	34.01	ADR	34.9	-23.85	0	45.06	68.2	-23.14	-	-	49	117	V
			5.735969	45.63	PK-U	34.9	-23.82	0	56.71	-	-	88.2	-31.49	49	117	V
			5.740022	45.96	PK-U	34.9	-23.74	0	57.12	-	-	88.2	-31.08	34	358	H
			5.756738	33.92	ADR	35	-23.73	0	45.19	68.2	-23.01	-	-	34	358	H
			16.895398	55.65	PK-U	40.7	-43.04	0	53.31	-	-	88.2	-34.89	78	295	H
			16.906469	44.25	ADR	40.7	-42.87	0	42.08	68.2	-26.12	-	-	153	152	V
			16.910613	55.88	PK-U	40.7	-42.88	0	53.7	-	-	88.2	-34.5	153	152	V
			16.924528	44.28	ADR	40.7	-42.87	0	42.11	68.2	-26.09	-	-	78	295	H
	6420	6 + 5	* 8.32991	57.54	PK-U	36	-45.4	0	48.14	-	-	74	-25.86	281	264	H
			* 8.358595	45.28	ADR	36	-45.74	0	35.54	54	-18.46	-	-	281	264	H
			* 11.08108	57.18	PK-U	37.9	-45.46	0	49.62	-	-	74	-24.38	183	216	H
			* 11.06472	45.46	ADR	37.9	-45.34	0	38.02	54	-15.98	-	-	183	216	H
			* 15.850604	56.06	PK-U	40.4	-43.65	0	52.81	-	-	74	-21.19	238	118	H
			* 15.849758	44.7	ADR	40.4	-43.68	0	41.42	54	-12.58	-	-	238	118	H
			* 8.272493	56.77	PK-U	36	-45.4	0	47.37	-	-	74	-26.63	97	178	V
			* 8.290225	44.78	ADR	36	-45.43	0	35.35	54	-18.65	-	-	97	178	V
			* 11.079417	57.23	PK-U	37.9	-45.46	0	49.67	-	-	74	-24.33	248	275	V
			* 11.076192	45.53	ADR	37.9	-45.44	0	37.99	54	-16.01	-	-	248	275	V
			* 15.878038	56.66	PK-U	40.4	-43.33	0	53.73	-	-	74	-20.27	150	280	V
			* 15.845679	44.62	ADR	40.4	-43.73	0	41.29	54	-12.71	-	-	150	280	V
LEIM	6106	6 + 5	2.112989	45.72	PK-U	31.5	-26.75	0	50.47	-	-	88.2	-37.73	117	162	H
			2.113335	34.45	ADR	31.5	-26.75	0.72	39.92	68.2	-28.28	-	-	357	122	V
			2.123023	34.27	ADR	31.5	-26.8	0.72	39.69	68.2	-28.51	-	-	117	162	H
			2.133308	46.11	PK-U	31.5	-26.73	0	50.88	-	-	88.2	-37.32	357	122	V
			9.652907	56.46	PK-U	37.2	-45.37	0	48.29	-	-	88.2	-39.91	293	112	V
			9.660857	45.09	ADR	37.2	-45.53	0.72	37.48	68.2	-30.72	-	-	293	112	V
			9.689654	57.24	PK-U	37.2	-45.63	0	48.81	-	-	88.2	-39.39	7	399	H
			9.702614	45.88	ADR	37.2	-45.6	0.72	38.2	68.2	-30	-	-	7	399	H
			13.897255	56.16	PK-U	39	-43.85	0	51.31	-	-	88.2	-36.89	103	283	V
			13.930595	44.27	ADR	39	-43.77	0.72	40.22	68.2	-27.98	-	-	103	283	V
			13.942879	44.22	ADR	39	-43.92	0.72	40.02	68.2	-28.18	-	-	185	268	H
			13.953482	55.88	PK-U	39	-43.99	0	50.89	-	-	88.2	-37.31	185	268	H
	6265	6 + 5	3.202892	34.18	ADR	33	-25.49	0.72	42.41	68.2	-25.79	-	-	102	241	V
			3.210142	45.86	PK-U	33	-25.46	0	53.4	-	-	88.2	-34.8	102	241	V
			3.241207	46.02	PK-U	33	-25.62	0	53.4	-	-	88.2	-34.8	244	294	H
			3.242236	34.06	ADR	33	-25.61	0.72	42.17	68.2	-26.03	-	-	244	294	H
			14.366037	56.29	PK-U	39.3	-44.16	0	51.43	-	-	88.2	-36.77	357	193	V
			14.37501	44.89	ADR	39.3	-44.2	0.72	40.71	68.2	-27.49	-	-	287	154	H
			14.381281	44.69	ADR	39.3	-44.37	0.72	40.34	68.2	-27.86	-	-	357	193	V
			14.391512	56.86	PK-U	39.3	-44.36	0	51.8	-	-	88.2	-36.4	287	154	H
			17.521441	55.24	PK-U	40.7	-41.68	0	54.26	-	-	88.2	-33.94	166	338	H
			17.523639	55.46	PK-U	40.7	-41.64	0	54.52	-	-	88.2	-33.68	274	350	V
			17.548924	43.64	ADR	40.7	-41.32	0.72	43.74	68.2	-24.46	-	-	274	350	V
			17.552318	43.78	ADR	40.7	-41.34	0.72	43.86	68.2	-24.34	-	-	166	338	H
	6420	6 + 5	2.447964	54.74	PK-U	32.5	-44.2	0	43.04	-	-	88.2	-45.16	1	101	H
			2.449455	54.99	PK-U	32.5	-44.2	0	43.29	-	-	88.2	-44.91	1	198	V
			2.449696	43.3	ADR	32.5	-44.2	0.72	32.32	68.2	-35.88	-	-	1	101	H
			2.450049	43.5	ADR	32.5	-44.2	0.72	32.52	68.2	-35.68	-	-	1	198	V
			3.177794	52.05	PK-U	33.2	-41.8	0	43.45	-	-	88.2	-44.75	1	101	V
			3.178501	51.99	PK-U	33.2	-41.8	0	43.39	-	-	88.2	-44.81	1	101	H
			3.180658	40.37	ADR	33.2	-41.8	0.72	32.49	68.2	-35.71	-	-	1	101	V
			3.181065	40.36	ADR	33.2	-41.8	0.72	32.48	68.2	-35.72	-	-	1	101	H
			12.965874	34.23	ADR	39.1	-34.1	0.72	39.95	68.2	-28.25	-	-	1	200	H
			12.967477	45.86	PK-U	39.1	-34.1	0	50.86	-	-	88.2	-37.34	1	200	H
			12.968604	45.87	PK-U	39.1	-34.1	0	50.87	-	-	88.2	-37.33	1	200	V
			12.969235	34.26	ADR	39.1	-34.1	0.72	39.98	68.2	-28.22	-	-	1	200	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/ Ftr/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	2.230322	61.36	PK-U	31.7	-50.33	0	42.73	-	-	74	-31.27	341	389	H
			2.163704	49.15	ADR	31.7	-50.37	2.42	32.9	68.2	-35.3	-	-	341	389	H
			2.052811	60.99	PK-U	32	-50.03	0	42.96	-	-	88.2	-45.24	48	185	H
			2.057388	49.11	ADR	32	-50.06	2.42	33.47	68.2	-34.73	-	-	48	185	H
			3.041769	58.68	PK-U	33	-48.36	0	43.32	-	-	88.2	-44.88	199	207	V
			3.044599	46.91	ADR	33	-48.37	2.42	33.96	68.2	-34.24	-	-	199	207	V
			2.053814	61.54	PK-U	32	-50.03	0	43.51	-	-	88.2	-44.69	163	303	V
			2.052801	49.1	ADR	32	-50.03	2.42	33.49	68.2	-34.71	-	-	163	303	V
			12.190633	55.07	PK-U	39	-43.74	0	50.33	-	-	74	-23.67	88	295	H
			12.193436	43.29	ADR	39	-43.66	2.42	41.05	54	-12.95	-	-	88	295	H
			12.248558	55.35	PK-U	39	-43.18	0	51.17	-	-	74	-22.83	349	268	V
			12.231032	43.17	ADR	38.9	-43.57	2.42	40.92	54	-13.08	-	-	349	268	V
	6265	6 + 5	* 2.26959	55.76	PK-U	31.8	-44.7	0	42.86	-	-	74	-31.14	360	101	H
			* 2.268289	43.47	ADR	31.8	-44.7	2.42	32.99	54	-21.01	-	-	360	101	H
			* 2.271001	55.35	PK-U	31.8	-44.7	0	42.45	-	-	74	-31.55	360	200	V
			* 2.267703	43.41	ADR	31.8	-44.7	2.42	32.93	54	-21.07	-	-	360	200	V
			* 12.616925	46.3	PK-U	39	-34.3	0	51	-	-	74	-23	360	200	H
			* 12.616715	34.76	ADR	39	-34.3	2.42	41.88	54	-12.12	-	-	360	200	H
			* 12.612736	46.53	PK-U	39	-34.2	0	51.33	-	-	74	-22.67	360	101	V
			* 12.61326	34.47	ADR	39	-34.2	2.42	41.69	54	-12.31	-	-	360	101	V
			3.498635	52.88	PK-U	32.8	-41.9	0	43.78	-	-	88.2	-44.42	360	101	H
			3.499059	40.13	ADR	32.8	-41.9	2.42	33.45	68.2	-34.75	-	-	360	101	H
			3.499977	52.24	PK-U	32.8	-41.9	0	43.14	-	-	88.2	-45.06	360	101	V
			3.499989	39.96	ADR	32.8	-41.9	2.42	33.28	68.2	-34.92	-	-	360	101	V
	6420	6 + 5	* 3.754698	51.86	PK-U	33.5	-41.6	0	43.76	-	-	74	-30.24	360	200	H
			* 3.752688	39.92	ADR	33.5	-41.6	2.42	34.24	54	-19.76	-	-	360	200	H
			* 3.758784	51.78	PK-U	33.5	-41.6	0	43.68	-	-	74	-30.32	360	101	V
			* 3.757435	39.74	ADR	33.5	-41.6	2.42	34.06	54	-19.94	-	-	360	101	V
			* 12.616204	46.6	PK-U	39	-34.3	0	51.3	-	-	74	-22.7	360	200	H
			* 12.613513	34.8	ADR	39	-34.2	2.42	42.02	54	-11.98	-	-	360	200	H
			* 12.618522	46.21	PK-U	39	-34.2	0	51.01	-	-	74	-22.99	360	200	V
			* 12.617799	34.68	ADR	39	-34.3	2.42	41.8	54	-12.2	-	-	360	200	V
			2.613828	54.31	PK-U	32.3	-43.6	0	43.01	-	-	88.2	-45.19	360	200	V
			2.61552	42.68	ADR	32.3	-43.6	2.42	33.8	68.2	-34.4	-	-	360	200	V
			2.615741	54.56	PK-U	32.3	-43.6	0	43.26	-	-	88.2	-44.94	360	200	H
			2.616164	42.7	ADR	32.3	-43.6	2.42	33.82	68.2	-34.38	-	-	360	200	H
HDT4	6106	6 + 5	2.062041	56.77	PK-U	31.8	-46.6	0	41.97	-	-	88.2	-46.23	45	327	H
			2.062506	45.3	ADR	31.8	-46.6	0.3	30.8	68.2	-37.4	-	-	45	327	H
			3.055358	56.74	PK-U	32.9	-46.4	0	43.24	-	-	88.2	-44.96	174	272	H
			3.055528	44.99	ADR	32.9	-46.4	0.3	31.79	68.2	-36.41	-	-	174	272	H
			2.060736	56.78	PK-U	31.8	-46.5	0	42.08	-	-	88.2	-46.12	47	316	V
			2.062876	45.13	ADR	31.8	-46.6	0.3	30.63	68.2	-37.57	-	-	47	316	V
			3.054413	57	PK-U	32.9	-46.4	0	43.5	-	-	88.2	-44.7	61	269	V
			3.05327	44.96	ADR	32.9	-46.4	0.3	31.76	68.2	-36.44	-	-	61	269	V
			* 12.211813	53.7	PK-U	38.7	-41.58	0	50.82	-	-	74	-23.18	308	121	H
			* 12.211465	41.63	ADR	38.7	-41.55	0.3	39.08	54	-14.92	-	-	308	121	H
			* 12.226238	53.59	PK-U	38.7	-41.5	0	50.79	-	-	74	-23.21	104	295	V
			* 12.229102	41.82	ADR	38.7	-41.5	0.3	39.32	54	-14.68	-	-	104	295	V
	6265	6 + 5	2.082049	58.34	PK-U	31.9	-46.5	0	43.74	-	-	88.2	-44.46	356	248	H
			2.084635	46.57	ADR	31.9	-46.5	0.3	32.27	68.2	-35.93	-	-	356	248	H
			3.131107	55.85	PK-U	33.1	-45.91	0	43.04	-	-	88.2	-45.16	43	333	H
			3.132272	44.62	ADR	33.1	-46	0.3	32.02	68.2	-36.18	-	-	43	333	H
			2.082156	59.05	PK-U	31.9	-46.48	0	44.47	-	-	88.2	-43.73	225	255	V
			2.080926	46.32	ADR	31.9	-46.51	0.3	32.01	68.2	-36.19	-	-	225	255	V
			3.130556	56.17	PK-U	33.1	-45.94	0	43.33	-	-	88.2	-44.87	204	170	V
			3.132091	44.24	ADR	33.1	-46	0.3	31.64	68.2	-36.56	-	-	204	170	V
			* 12.531397	53.64	PK-U	38.7	-41.1	0	51.24	-	-	74	-22.76	231	123	H
			* 12.529859	41.2	ADR	38.7	-41.1	0.3	39.1	54	-14.9	-	-	231	123	H
			* 12.541957	53.08	PK-U	38.7	-40.9	0	50.88	-	-	74	-23.12	18	224	V
			* 12.539162	41.1	ADR	38.6	-40.98	0.3	39.02	54	-14.98	-	-	18	224	V
	6420	6 + 5	2.137566	57.92	PK-U	31.8	-46.54	0	43.18	-	-	88.2	-45.02	226	217	H
			2.137228	46.48	ADR	31.8	-46.58	0.3	32	68.2	-36.2	-	-	226	217	H
			3.210757	57.03	PK-U	33	-45.32	0	44.71	-	-	88.2	-43.49	131	260	H
			3.211947	43.99	ADR	33	-45.3	0.3	31.99	68.2	-36.21	-	-	131	260	H
			2.140188	58	PK-U	31.8	-46.4	0	43.4	-	-	88.2	-44.8	39	292	V
			2.139894	46.34	ADR	31.8	-46.41	0.3	32.03	68.2	-36.17	-	-	39	292	V
			3.215195	55.5	PK-U	32.9	-45.4	0	43	-	-	88.2	-45.2	103	302	V
			3.212998	44.09	ADR	33	-45.4	0.3	31.99	68.2	-36.21	-	-	103	302	V
			12.82481	52.42	PK-U	38.9	-40.76	0	50.56	-	-	88.2	-37.64	293	321	H
			12.823783	40.84	ADR	38.9	-40.6	0.3	39.44	68.2	-28.76	-	-	293	321	H
			12.823585	52.51	PK-U	38.9	-40.6	0	50.81	-	-	88.2	-37.39	15	335	V
			12.823638	40.83	ADR	38.9	-40.6	0.3	39.43	68.2	-28.77	-	-	15	335	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/ Ftr/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	1.923661	49.51	ADR	31.5	-50.44	1.28	31.85	68.2	-36.35	-	-	0	101	H
			1.923893	60.86	PK-U	31.5	-50.45	0	41.91	-	-	88.2	-46.29	0	200	V
			1.924346	61.09	PK-U	31.5	-50.45	0	42.14	-	-	88.2	-46.06	0	101	H
			1.925282	49.32	ADR	31.5	-50.45	1.28	31.65	68.2	-36.55	-	-	0	200	V
			3.485189	45.97	ADR	32.9	-47.84	1.28	32.31	68.2	-35.89	-	-	0	101	H
			3.487508	58.47	PK-U	33	-47.81	0	43.66	-	-	88.2	-44.54	0	101	H
			3.487767	46.02	ADR	33	-47.81	1.28	32.49	68.2	-35.71	-	-	0	101	V
			3.490137	57.64	PK-U	33	-47.8	0	42.84	-	-	88.2	-45.36	0	101	V
			11.321784	44.41	ADR	38	-44.54	1.28	39.15	54	-14.85	-	-	0	200	V
			11.32296	55.55	PK-U	38	-44.58	0	48.97	-	-	74	-25.03	0	200	V
			11.324233	56.82	PK-U	38	-44.58	0	50.24	-	-	74	-23.76	0	101	H
			11.324259	44.35	ADR	38	-44.57	1.28	39.06	54	-14.94	-	-	0	101	H
	6265	6 + 5	2.676737	59.82	PK-U	32.6	-49.81	0	42.61	-	-	88.2	-45.59	0	200	V
			2.679262	47.9	ADR	32.6	-49.83	1.28	31.95	68.2	-36.25	-	-	0	200	V
			2.681292	60.15	PK-U	32.6	-49.87	0	42.88	-	-	88.2	-45.32	0	101	H
			2.681609	48.05	ADR	32.6	-49.87	1.28	32.06	68.2	-36.14	-	-	0	101	H
			4.329099	58.48	PK-U	34.2	-47.75	0	44.93	-	-	74	-29.07	0	101	H
			4.329788	47	ADR	34.2	-47.77	1.28	34.71	54	-19.29	-	-	0	101	H
			4.333173	47.01	ADR	34.3	-47.8	1.28	34.79	54	-19.21	-	-	0	200	V
			4.334064	58.49	PK-U	34.3	-47.84	0	44.95	-	-	74	-29.05	0	200	V
			10.862081	44.92	ADR	37.7	-45.02	1.28	38.88	54	-15.12	-	-	0	101	V
			10.863566	56.51	PK-U	37.7	-45.11	0	49.1	-	-	74	-24.9	0	101	V
			10.866178	44.84	ADR	37.7	-45.12	1.28	38.7	54	-15.3	-	-	0	200	H
			10.868318	56.94	PK-U	37.7	-45.09	0	49.55	-	-	74	-24.45	0	200	H
	6420	6 + 5	* 8.284504	57.06	PK-U	36	-45.34	0	47.72	-	-	74	-26.28	186	142	H
			* 8.253352	45.1	ADR	35.9	-45.68	1.28	36.6	54	-17.4	-	-	186	142	H
			* 11.395007	57.68	PK-U	38.2	-45.13	0	50.75	-	-	74	-23.25	120	190	H
			* 11.386647	45.37	ADR	38.2	-45.4	1.28	39.45	54	-14.55	-	-	120	190	H
			* 15.828872	56.6	PK-U	40.4	-43.62	0	53.38	-	-	74	-20.62	215	294	H
			* 15.863992	44.87	ADR	40.4	-43.54	1.28	43.01	54	-10.99	-	-	215	294	H
			* 8.266617	56.38	PK-U	36	-45.44	0	46.94	-	-	74	-27.06	289	212	V
			* 8.260896	44.87	ADR	35.9	-45.65	1.28	36.4	54	-17.6	-	-	289	212	V
			* 11.408663	56.9	PK-U	38.2	-44.85	0	50.25	-	-	74	-23.75	134	125	V
			* 11.402393	45.13	ADR	38.2	-44.94	1.28	39.67	54	-14.33	-	-	134	125	V
			* 15.824408	56.38	PK-U	40.4	-43.63	0	53.15	-	-	74	-20.85	206	116	V
			* 15.825132	44.74	ADR	40.4	-43.63	1.28	42.79	54	-11.21	-	-	206	116	V

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

Pk - Peak detector

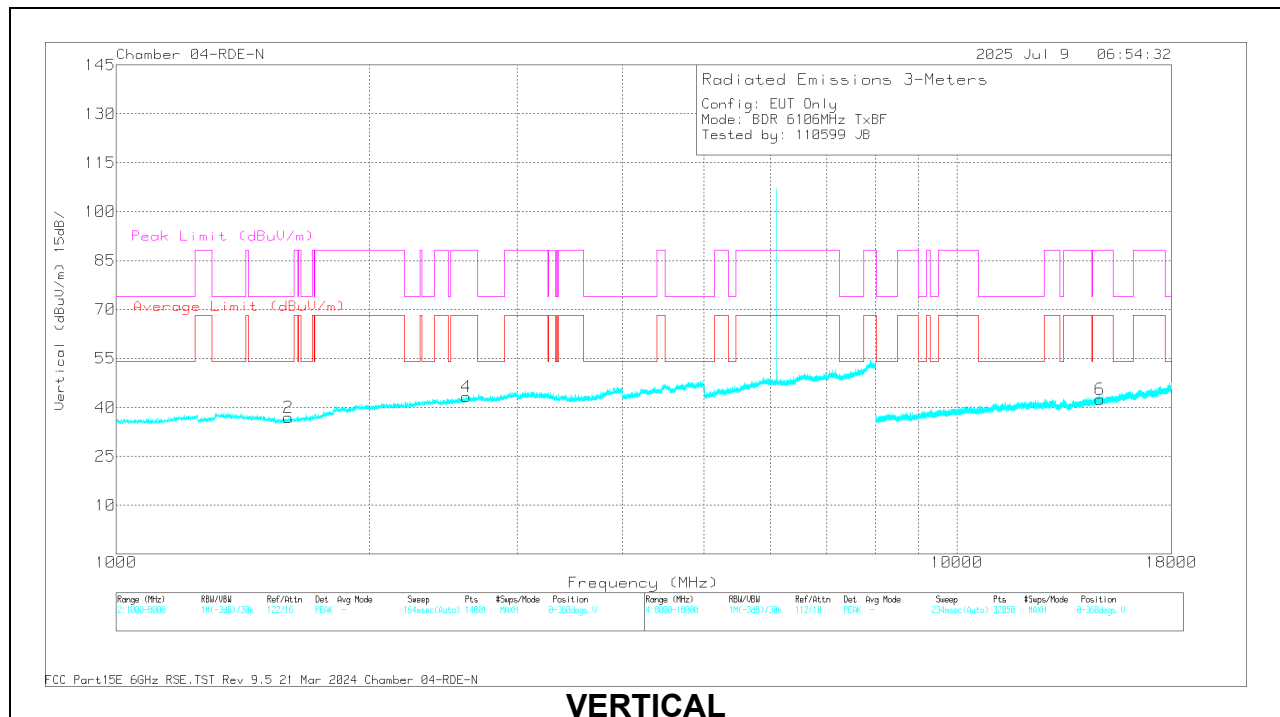
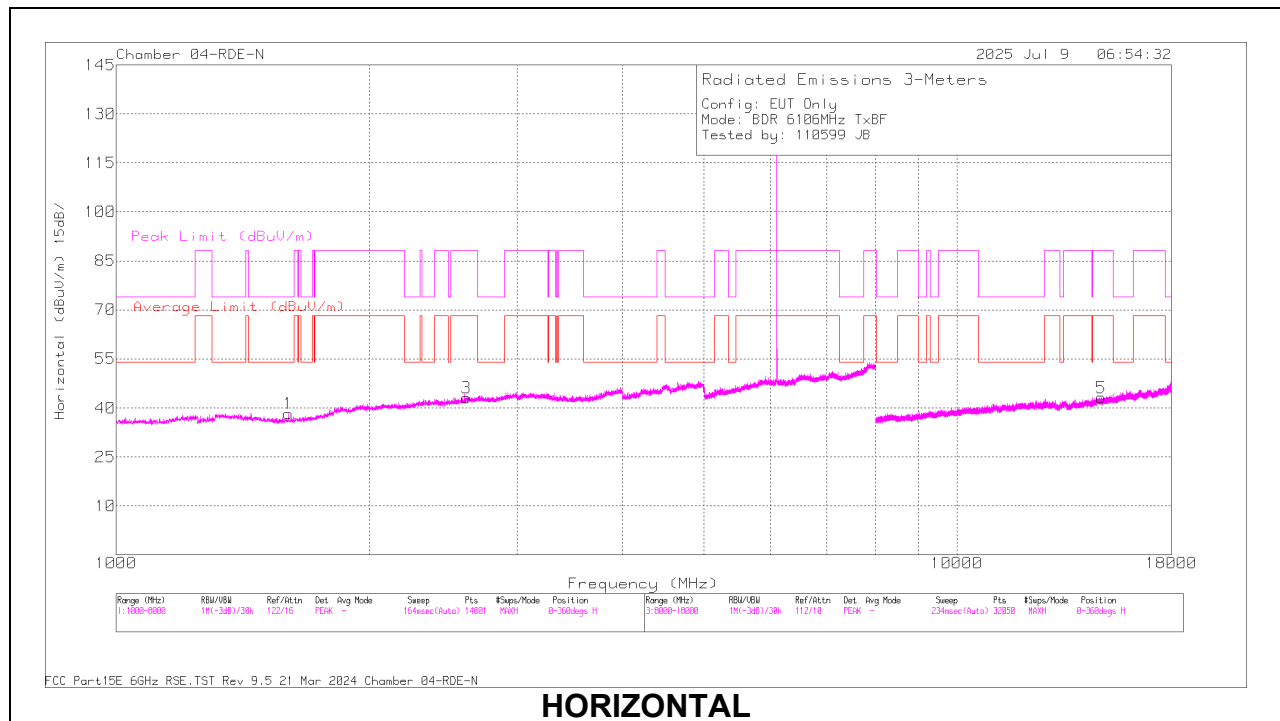
RMS - RMS detection

UNII-5 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Amp/Cb/ Ftr/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
XHDRPMB	6107	6 + 5	2.118155	60.84	PK-U	31.9	-50.28	0	42.46	-	-	88.2	-45.74	4	162	H
			2.148511	49.33	ADR	31.8	-50.27	0.36	31.22	68.2	-36.98	-	-	4	162	H
			3.595821	57.91	PK-U	33.8	-47.67	0	44.04	-	-	88.2	-44.16	236	164	H
			3.59838	46.18	ADR	33.8	-47.68	0.36	32.66	68.2	-35.54	-	-	236	164	H
			2.118254	61.32	PK-U	31.9	-50.28	0	42.94	-	-	88.2	-45.26	17	122	V
			2.152903	49.1	ADR	31.8	-50.29	0.36	30.97	68.2	-37.23	-	-	17	122	V
			3.593769	57.87	PK-U	33.8	-47.67	0	44	-	-	88.2	-44.2	343	114	V
			3.598013	46.1	ADR	33.8	-47.69	0.36	32.57	68.2	-35.63	-	-	343	114	V
			12.720231	54.79	PK-U	39.1	-42.97	0	50.92	-	-	88.2	-37.28	268	220	H
			12.70776	43.2	ADR	39	-42.96	0.36	39.6	68.2	-28.6	-	-	268	220	H
			12.728886	54.66	PK-U	39	-43.12	0	50.54	-	-	88.2	-37.66	315	291	V
			12.717683	43.19	ADR	39.1	-42.88	0.36	39.77	68.2	-28.43	-	-	315	291	V
	6265	6 + 5	2.344608	60.94	PK-U	32.2	-49.93	0	43.21	-	-	74	-30.79	210	348	H
			2.326365	49.06	ADR	32.1	-49.94	0.36	31.58	54	-22.42	-	-	210	348	H
			3.657055	58.12	PK-U	33.2	-47.65	0	43.67	-	-	74	-30.33	17	276	H
			3.667884	46	ADR	33.3	-47.62	0.36	32.04	54	-21.96	-	-	17	276	H
			2.337374	60.72	PK-U	32.1	-49.98	0	42.84	-	-	74	-31.16	191	140	V
			2.337814	48.92	ADR	32.1	-49.99	0.36	31.39	54	-22.61	-	-	191	140	V
			3.655245	57.74	PK-U	33.2	-47.66	0	43.28	-	-	74	-30.72	59	133	V
			3.652805	46.12	ADR	33.2	-47.67	0.36	32.01	54	-21.99	-	-	59	133	V
			14.022398	56.34	PK-U	39.1	-43.72	0	51.72	-	-	88.2	-36.48	343	267	H
			14.043176	44.33	ADR	39.1	-43.45	0.36	40.34	68.2	-27.86	-	-	343	267	H
			14.035684	56.47	PK-U	39.1	-43.37	0	52.2	-	-	88.2	-36	193	240	V
			14.034072	44.41	ADR	39.1	-43.4	0.36	40.47	68.2	-27.73	-	-	193	240	V
	6420	6 + 5	2.243185	60.63	PK-U	31.7	-50.33	0	42	-	-	74	-32	215	167	H
			2.236403	49.08	ADR	31.7	-50.36	0.36	30.78	54	-23.22	-	-	215	167	H
			3.931773	58.27	PK-U	33.4	-47.79	0	43.88	-	-	74	-30.12	17	122	H
			3.919117	46.16	ADR	33.4	-47.84	0.36	32.08	54	-21.92	-	-	17	122	H
			2.236236	61.25	PK-U	31.7	-50.36	0	42.59	-	-	74	-31.41	214	366	V
			2.272952	49.17	ADR	31.8	-50.3	0.36	31.03	54	-22.97	-	-	214	366	V
			3.907437	58.48	PK-U	33.5	-47.78	0	44.2	-	-	74	-29.8	284	358	V
			3.917351	46.33	ADR	33.5	-47.84	0.36	32.35	54	-21.65	-	-	284	358	V
			13.550056	55.11	PK-U	39	-43.71	0	50.4	-	-	88.2	-37.8	17	275	H
			13.537422	43.46	ADR	39	-43.73	0.36	39.09	68.2	-29.11	-	-	17	275	H
			13.552604	55.61	PK-U	39	-43.7	0	50.91	-	-	88.2	-37.29	328	246	V
			13.521131	43.59	ADR	39	-43.76	0.36	39.19	68.2	-29.01	-	-	328	246	V
	6109	6 + 5	4.404948	34.65	ADR	33.8	-25.08	0.23	43.6	68.2	-24.6	-	-	292	297	V
			4.432083	46.3	PK-U	33.8	-24.93	0	55.17	-	-	88.2	-33.03	292	297	V
			4.438367	46.52	PK-U	33.8	-24.91	0	55.41	-	-	88.2	-32.79	236	381	H
			4.442838	34.59	ADR	33.8	-24.96	0.23	43.66	68.2	-24.54	-	-	236	381	H
			8.644713	45.47	ADR	36.1	-45.56	0.23	36.24	68.2	-31.96	-	-	357	145	V
			8.645557	45.31	ADR	36.1	-45.56	0.23	36.08	68.2	-32.12	-	-	357	235	H
			8.646094	56.63	PK-U	36.1	-45.56	0	47.17	-	-	88.2	-41.03	357	235	H
			8.657698	57.22	PK-U	36.1	-45.56	0	47.76	-	-	88.2	-40.44	357	145	V
			13.004415	44.53	ADR	38.9	-43.32	0.23	40.34	68.2	-27.86	-	-	39	235	V
			13.029962	56.9	PK-U	38.9	-43.55	0	52.25	-	-	88.2	-35.95	39	235	V
			13.080788	55.95	PK-U	38.9	-43.3	0	51.55	-	-	88.2	-36.65	357	365	H
			13.088655	44.27	ADR	38.9	-43.21	0.23	40.19	68.2	-28.01	-	-	357	365	H
	6265	6 + 5	3.411899	33.64	ADR	32.9	-25.37	0.23	41.4	68.2	-26.8	-	-	334	397	V
			3.417587	33.91	ADR	32.9	-25.32	0.23	41.72	68.2	-26.48	-	-	3	113	H
			3.418159	45.26	PK-U	32.9	-25.32	0	52.84	-	-	88.2	-35.36	3	113	H
			3.419613	45.43	PK-U	32.9	-25.31	0	53.02	-	-	88.2	-35.18	334	397	V
			13.82144	56.21	PK-U	38.9	-43.57	0	51.54	-	-	88.2	-36.66	54	387	H
			13.852019	44.67	ADR	38.9	-43.7	0.23	40.1	68.2	-28.1	-	-	54	387	H
			13.856214	44.44	ADR	38.9	-43.72	0.23	39.85	68.2	-28.35	-	-	125	295	V
			13.877159	56.24	PK-U	38.9	-43.88	0	51.26	-	-	88.2	-36.94	125	295	V
			14.680223	57.13	PK-U	39.6	-44.13	0	52.6	-	-	88.2	-35.6	3	108	V
			14.688497	45.57	ADR	39.6	-44.07	0.23	41.33	68.2	-26.87	-	-	3	108	V
			14.707998	45.42	ADR	39.7	-44.16	0.23	41.19	68.2	-27.01	-	-	280	114	H
			14.714917	56.78	PK-U	39.7	-44.26	0	52.22	-	-	88.2	-35.98	280	114	H
	6417	6 + 5	1.941895	61.31	PK-U	31.5	-50.23	0	42.58	-	-	88.2	-45.62	107	159	H
			1.943103	50.49	ADR	31.5	-50.21	0.23	32.01	68.2	-36.19	-	-	107	159	H
			3.226399	58.01	PK-U	32.8	-47.92	0	42.89	-	-	88.2	-45.31	30	288	H
			3.200655	46.29	ADR	32.9	-47.94	0.23	31.48	68.2	-36.72	-	-	30	288	H
			2.151829	60.95	PK-U	31.8	-50.29	0	42.46	-	-	88.2	-45.74	100	131	V
			2.151873	49.26	ADR	31.8	-50.29	0.23	31	68.2	-37.2	-	-	100	131	V
			3.210849	58.24	PK-U	32.8	-47.87	0	43.17	-	-	88.2	-45.03	38	224	V
			3.207285	46.36	ADR	32.8	-47.96	0.23	31.43	68.2	-36.77	-	-	38	224	V
			12.30445	54.4	PK-U	38.9	-43.02	0	50.28	-	-	74	-23.72	237	247	H
			12.296335	42.54	ADR	38.8	-43.21	0.23	38.36	54	-15.64	-	-	237	247	H
			12.326384	54.06	PK-U	38.8	-43	0	49.86	-	-	74	-24.14	228	217	V
			12.301238	42.53	ADR	38.8	-43.12	0.23	38.44	54	-15.56	-	-	228	217	V

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

Pk - Peak detector

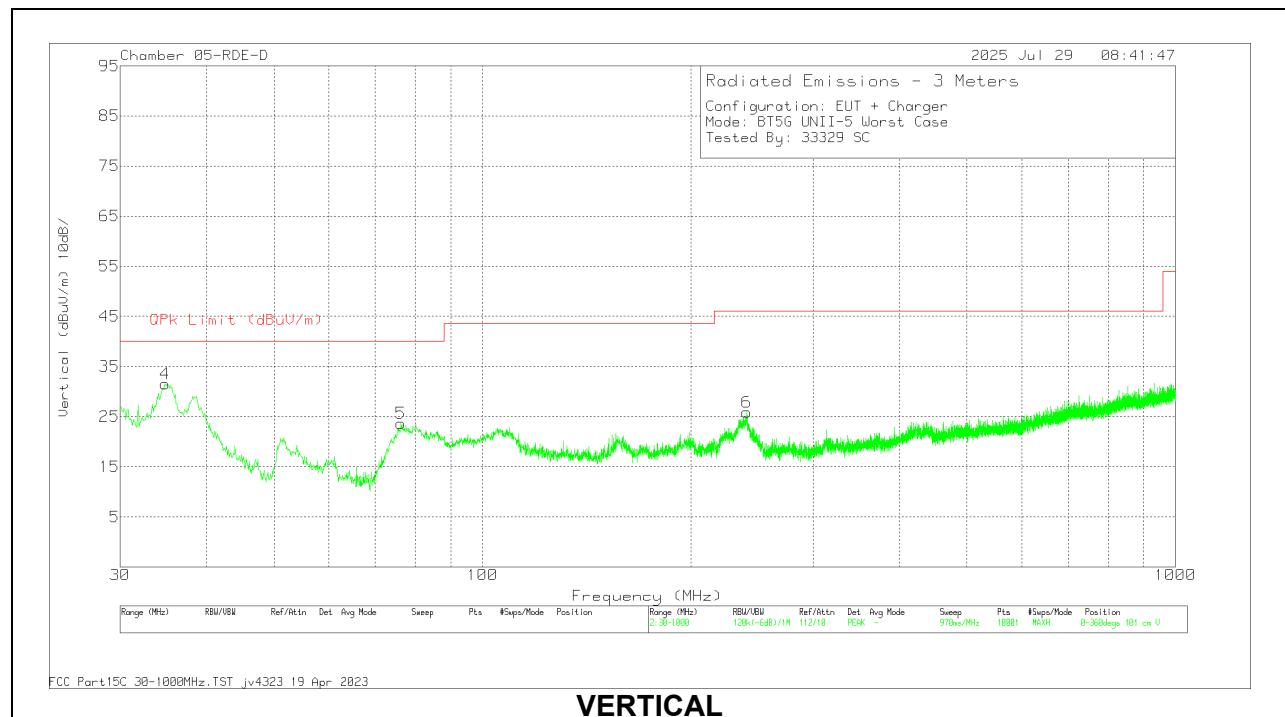
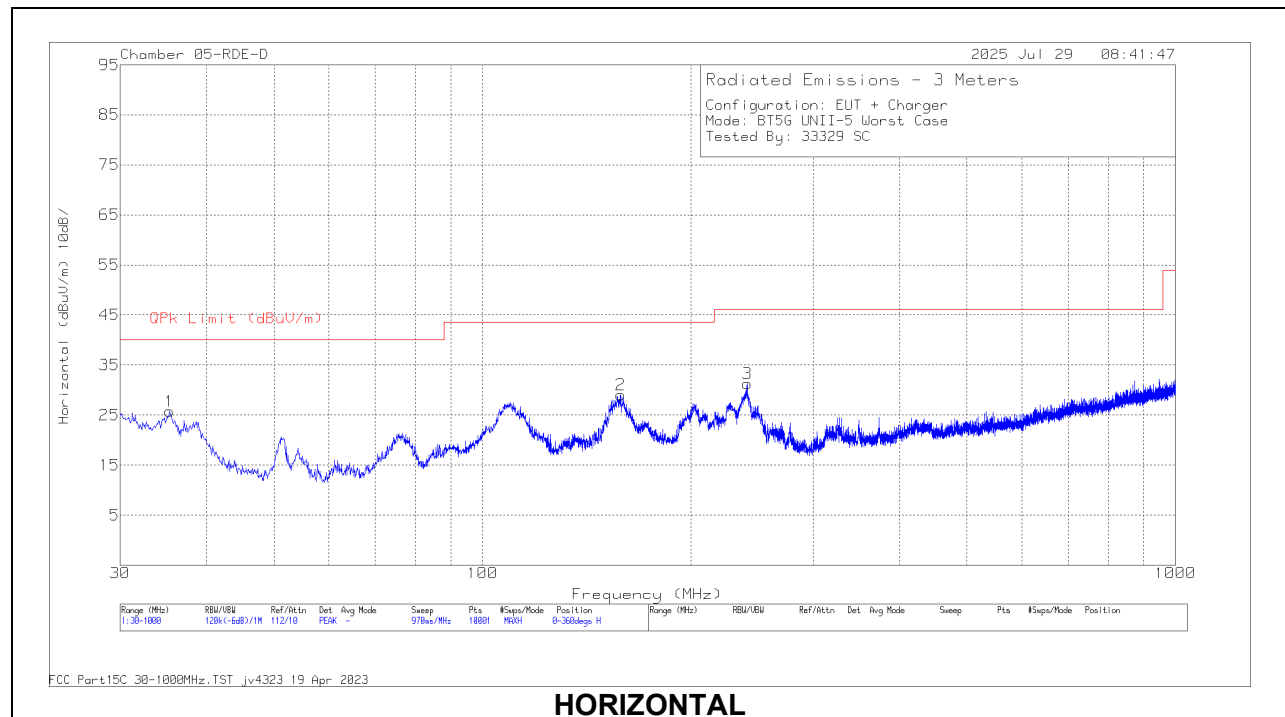
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL / 6106MHz)

RADIATED EMISSIONS

Frequency (MHz)	Meter Reading (dBuV)	Det	41112 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
* 1609.873	45.93	PK-U	28.2	0	-27.26	46.87	-	-	74	-27.13	330	171	H
* 1598.639	34.18	ADR	28.1	1.16	-27.28	36.16	54	-17.84	-	-	330	171	H
* 1587.224	45.98	PK-U	28.1	0	-27.27	46.81	-	-	74	-27.19	338	384	V
* 1614.034	34.3	ADR	28.2	1.16	-27.31	36.35	54	-17.65	-	-	338	384	V
2596.138	34.59	ADR	32.5	1.16	-26.19	42.06	68.2	-26.14	-	-	349	304	V
2596.331	34.87	ADR	32.5	1.16	-26.2	42.33	68.2	-25.87	-	-	191	394	H
2603.206	46.47	PK-U	32.5	0	-26.24	52.73	-	-	88.2	-35.47	349	304	V
2619.078	45.99	PK-U	32.5	0	-26.07	52.42	-	-	88.2	-35.78	191	394	H
14787.918	57.09	PK-U	39.8	0	-44.07	52.82	-	-	88.2	-35.38	49	394	V
14813.423	45.43	ADR	39.8	1.16	-44.12	42.27	68.2	-25.93	-	-	49	394	V
14835.972	44.97	ADR	39.8	1.16	-44.26	41.67	68.2	-26.53	-	-	11	130	H
14861.295	57.01	PK-U	39.8	0	-43.87	52.94	-	-	88.2	-35.26	11	130	H

11.1. WORST CASE BELOW 1 GHz – HIGH POWER

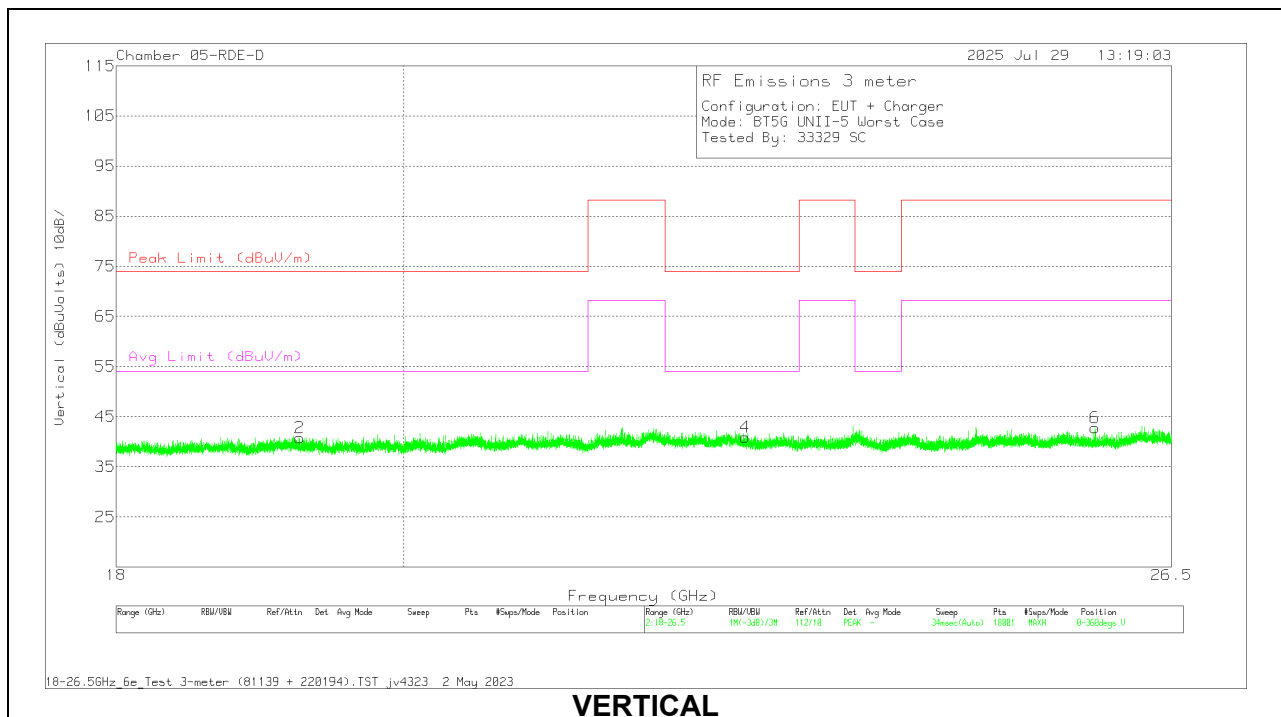
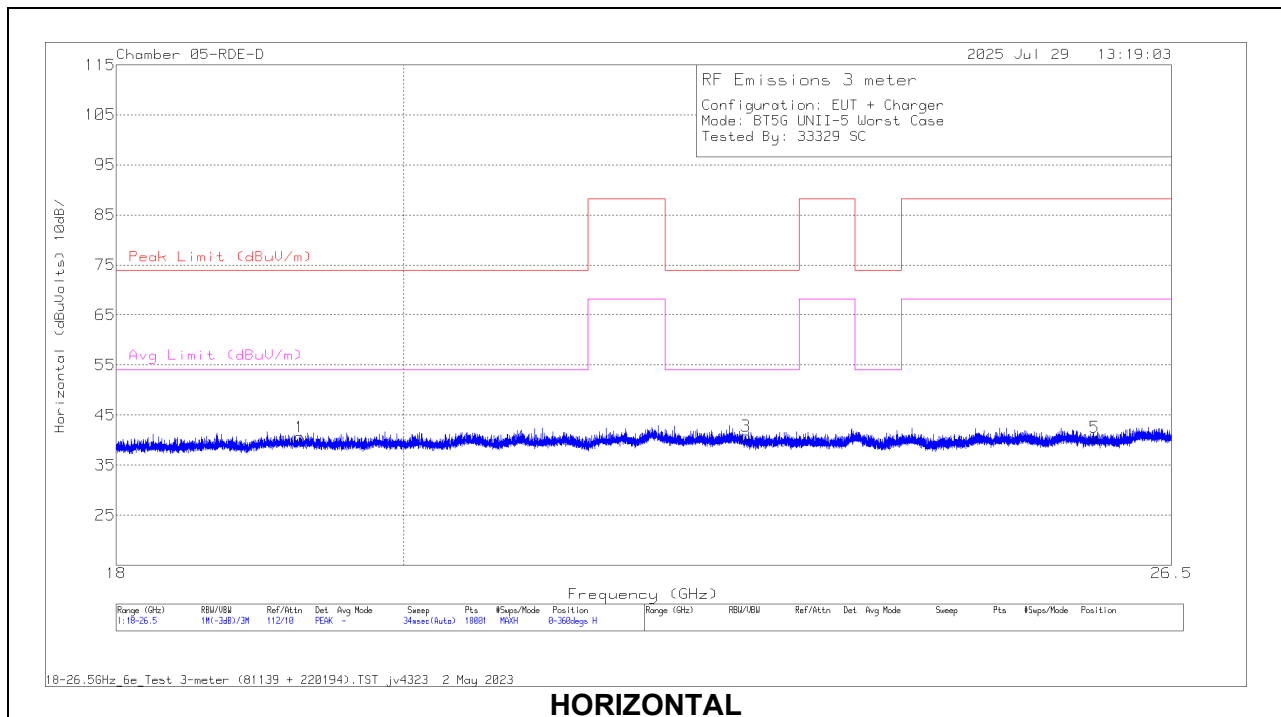


RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80714 ACF (dB/m)	CBL AMP (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 241.241	36.37	Qp	17.4	-30.4	24	23.61	46.02	-22.41	240	150	H
6	* 240.579	29.86	Qp	17.4	-30.4	24	17.1	46.02	-28.92	316	113	V
4	35.4967	29.16	Qp	23.1	-31.9	24	20.6	40	-19.4	28	287	H
1	35.5468	34.59	Qp	23.1	-31.9	24	26.03	40	-13.97	207	201	V
5	76.2217	34	Qp	13.8	-31.5	24	16.54	40	-23.46	213	233	V
2	158.014	33.35	Qp	18.1	-31.3	24	20.39	43.52	-23.13	193	206	H

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

Qp - Quasi-Peak detector

11.2. WORST CASE 18-26 GHz – HIGH POWER

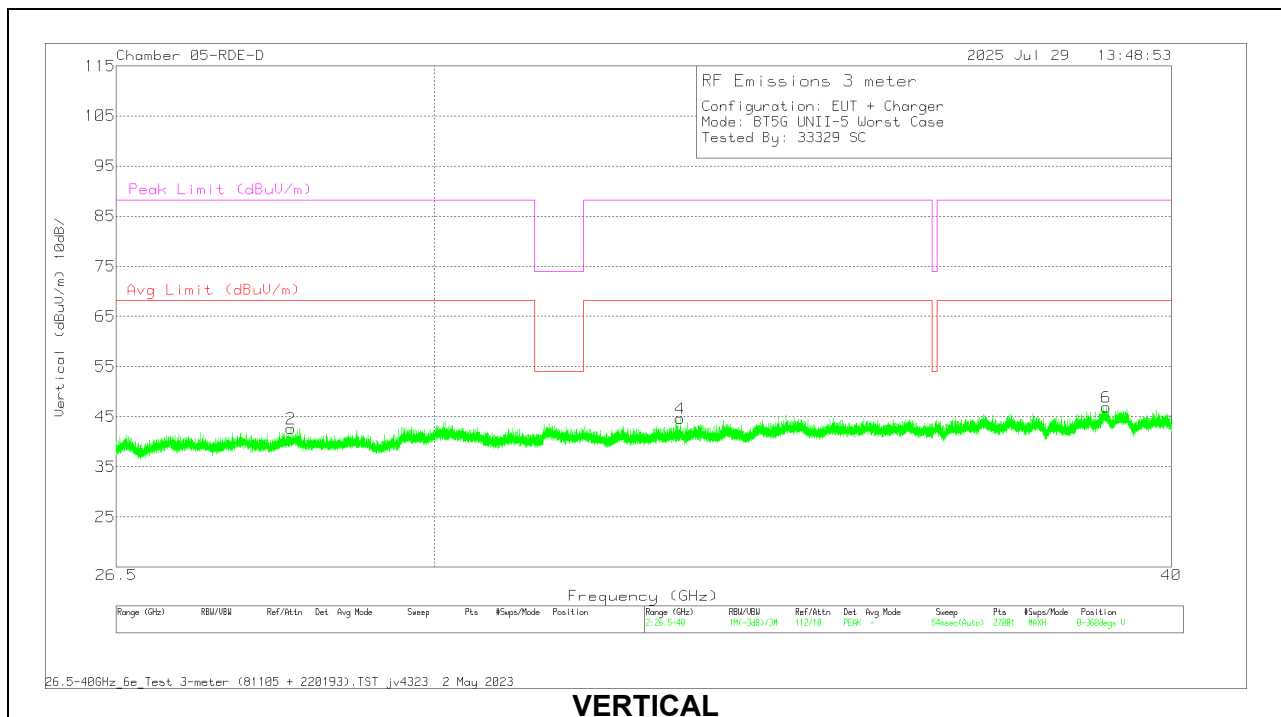
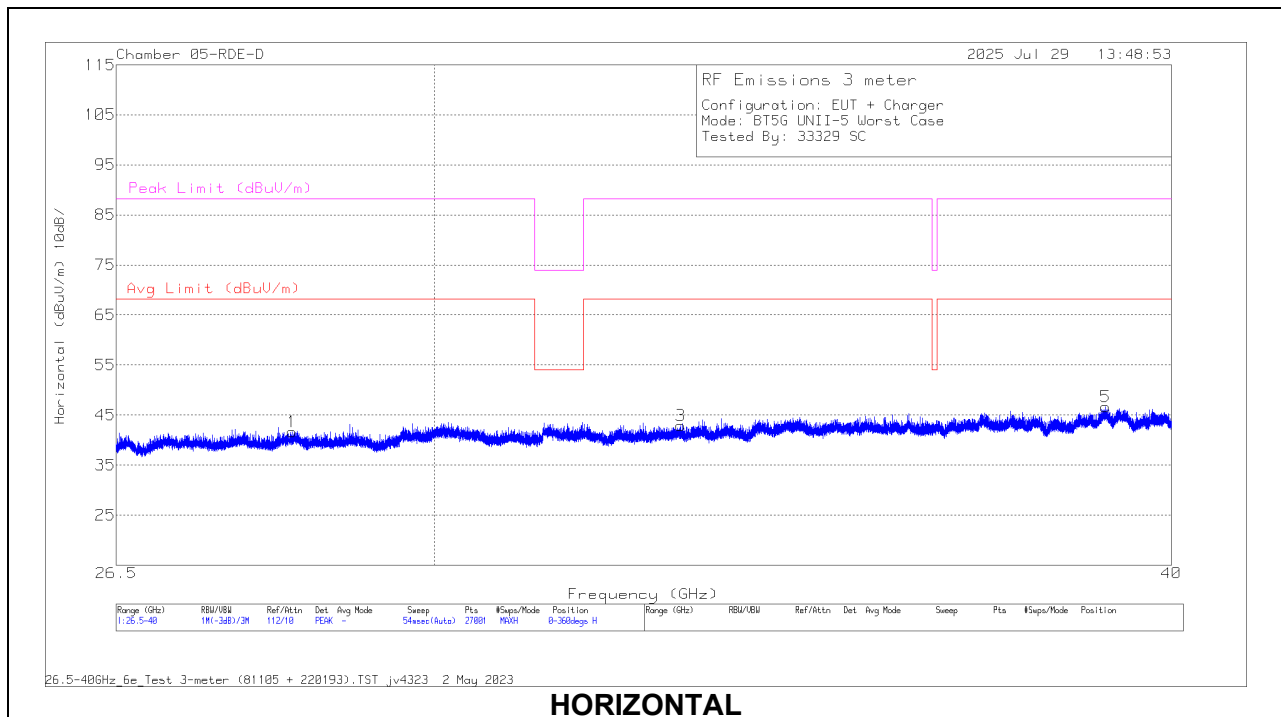
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81139 ACF (dB/m)	AMP (dB)	CBL AMP (dB)	DCCF (dB)	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	PK Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 19.25225	57.17	PK-U	32.9	-61.5	13.7	0	42.27	74	-31.73	-	-	185	146	H
1	* 19.254501	45.37	ADR	32.9	-61.5	13.7	.23	30.7	-	-	54	-23.3	185	146	H
3	* 22.673858	54.84	PK-U	33.5	-61	14.6	0	41.94	74	-32.06	-	-	221	287	H
3	* 22.673918	43.54	ADR	33.5	-61	14.6	.23	30.87	-	-	54	-23.13	221	287	H
2	* 19.253588	56.23	PK-U	32.9	-61.5	13.7	0	41.33	74	-32.67	-	-	86	196	V
2	* 19.252157	44.9	ADR	32.9	-61.5	13.7	.23	30.23	-	-	54	-23.77	86	196	V
4	* 22.669819	55.83	PK-U	33.5	-61	14.6	0	42.93	74	-31.07	-	-	169	331	V
4	* 22.670015	43.64	ADR	33.5	-61	14.6	.23	30.97	-	-	54	-23.03	169	331	V
5	25.765397	52.52	PK-U	34.2	-60.1	15.5	0	42.12	-	-	-	-	136	330	H
5	25.765989	40.74	ADR	34.2	-60.1	15.5	.23	30.57	-	-	-	-	136	330	H
6	25.767264	40.65	ADR	34.2	-60.1	15.5	.23	30.48	-	-	-	-	302	200	V
6	25.769493	52.37	PK-U	34.2	-60.1	15.5	0	41.97	-	-	-	-	302	200	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

11.3. WORST CASE 26-40 GHz – HIGH POWER

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81105 ACF (dB/m)	CBL/AMP	CBL AMP (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
5	* 38.980854	52.49	PK-U	38.2	-64.2	21.2	0	47.69	-	-	88.2	-40.51	300	202	H
5	* 38.983189	41.1	ADR	38.2	-64.2	21.2	.23	36.53	68.2	-31.67	-	-	300	202	H
6	* 39.000178	52.14	PK-U	38.2	-64.1	21.4	0	47.64	-	-	88.2	-40.56	339	117	V
6	* 38.997607	40.73	ADR	38.2	-64.1	21.4	.23	36.46	68.2	-31.74	-	-	339	117	V
2	28.367497	42.9	ADR	36.1	-64.5	16.5	0	31	-	-	-	-	155	193	V
2	28.368338	54.22	PK-U	36.1	-64.5	16.5	.23	42.55	-	-	-	-	155	193	V
1	28.38049	43.37	ADR	36.1	-64.4	16.6	0	31.67	-	-	-	-	329	286	H
1	28.381872	55.04	PK-U	36.1	-64.4	16.6	.23	43.57	-	-	-	-	329	286	H
4	33.020352	41.65	ADR	37	-64	18.1	0	32.75	-	-	-	-	247	160	V
4	33.022717	52.98	PK-U	37	-64	18.1	.23	44.31	-	-	-	-	247	160	V
3	33.02602	41.58	ADR	37	-64	18	.23	32.81	-	-	-	-	220	160	H
3	33.026793	53.16	PK-U	37	-64	18	0	44.16	-	-	-	-	220	160	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

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.

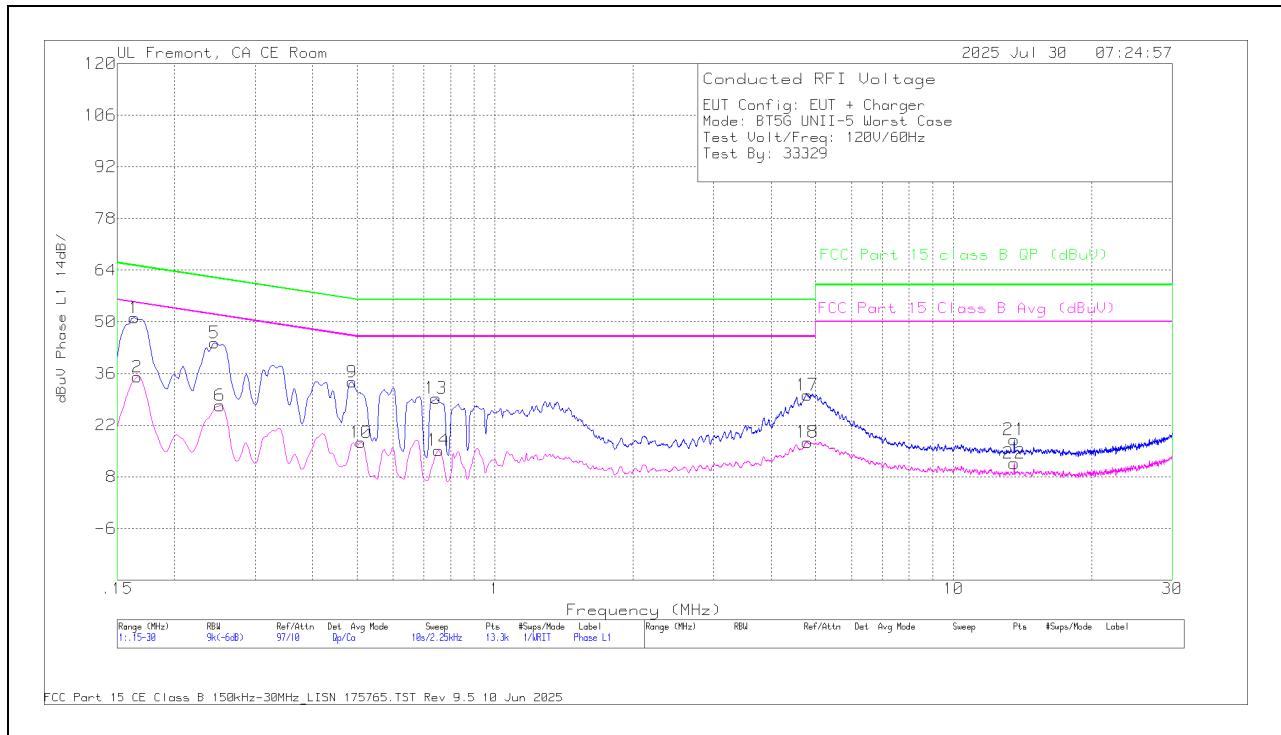
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

12.1. EUT WITH AC ADAPTER

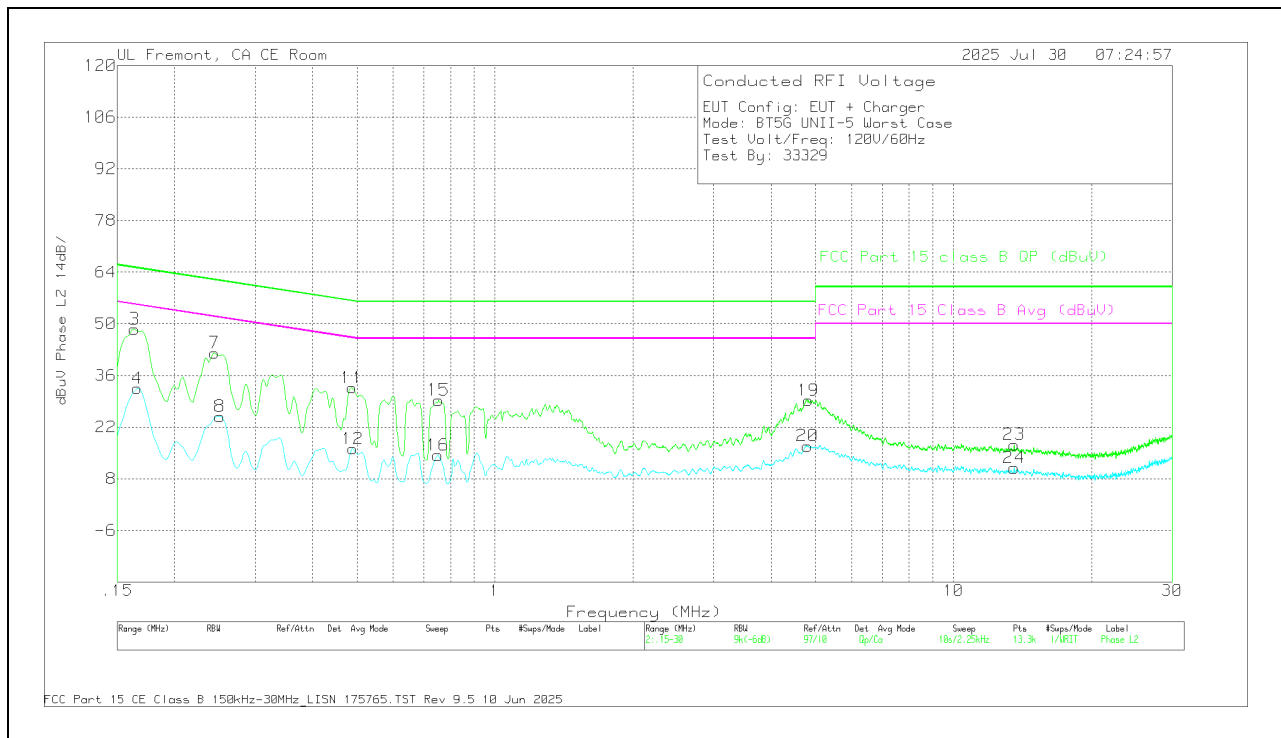
LINE 1 RESULTS



Range 1: Phase L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	CBL(dB)	LISN (dB)	CBL(dB)	10dB Atten (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
2	.1658	16.04	Ca	.4	.1	8.5	10	35.04	55.17	-20.13	-	-
6	.2513	9.23	Ca	-.1	0	8.2	10	27.33	51.72	-24.39	-	-
10	.51	-.38	Ca	-.2	0	7.9	10	17.32	46	-28.68	-	-
14	.753	-3.54	Ca	.1	0	8.6	10	15.16	46	-30.84	-	-
18	4.8008	-1.33	Ca	.3	0	8.4	10	17.37	46	-28.63	-	-
22	13.56	-6.86	Ca	.2	.1	8.2	10	11.64	50	-38.36	-	-
1	.1635	32.09	Qp	.4	.1	8.5	10	51.09	-	-	65.28	-14.19
5	.2445	26.18	Qp	-.1	0	8.2	10	44.28	-	-	61.94	-17.66
9	.4875	15.47	Qp	0	0	8.2	10	33.67	-	-	56.21	-22.54
13	.744	10.59	Qp	.1	0	8.6	10	29.29	-	-	56	-26.71
17	4.8008	11.42	Qp	.3	0	8.4	10	30.12	-	-	56	-25.88
21	13.56	-.43	Qp	.2	.1	8.2	10	18.07	-	-	60	-41.93

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS



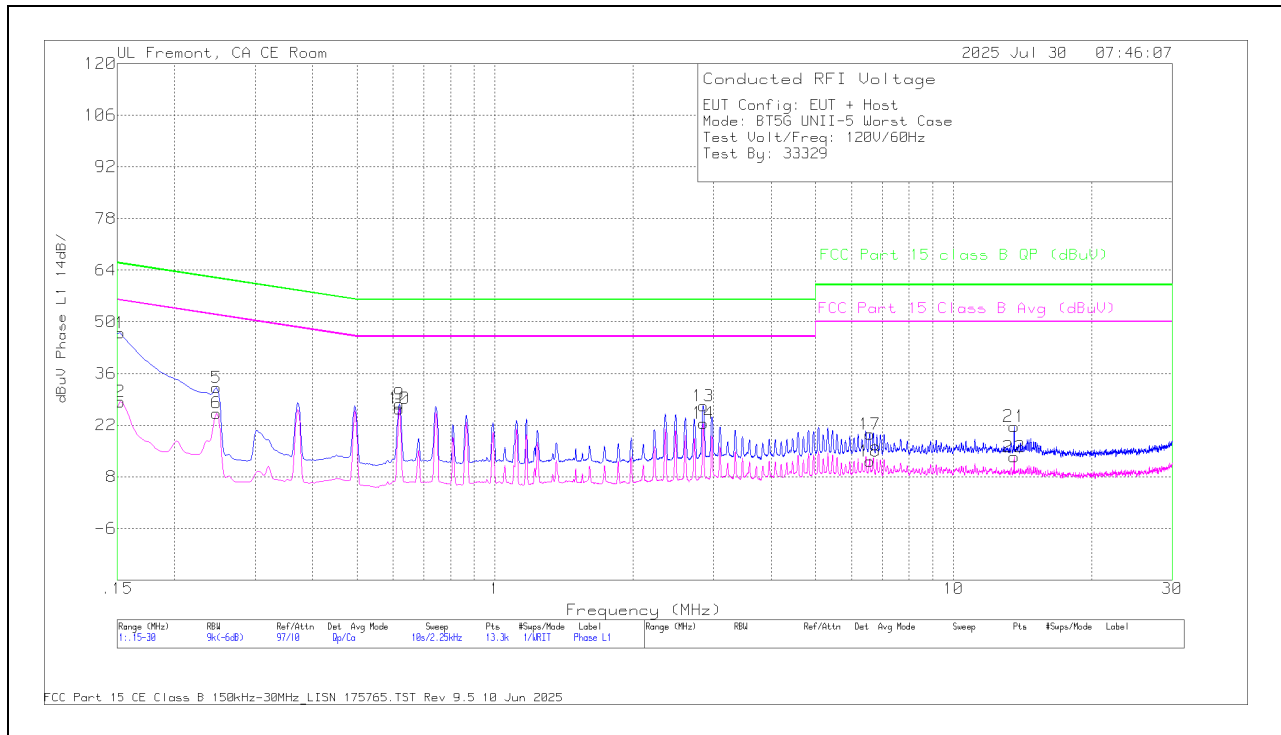
Range 2: Phase L2 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	CBL(dB)	LISN (dB)	CBL(dB)	10dB Atten (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
4	.1658	13.46	Ca	.4	.1	8.5	10	32.46	55.17	-22.71	-	-
8	.2513	6.78	Ca	-.1	0	8.2	10	24.88	51.72	-26.84	-	-
12	.4898	-1.98	Ca	0	0	8.1	10	16.12	46.17	-30.05	-	-
16	.7508	-4.34	Ca	.1	0	8.6	10	14.36	46	-31.64	-	-
20	4.803	-1.82	Ca	.3	0	8.4	10	16.88	46	-29.12	-	-
24	13.56	-7.56	Ca	.2	.1	8.2	10	10.94	50	-39.06	-	-
3	.1635	29.55	Qp	.4	.1	8.5	10	48.55	-	-	65.28	-16.73
7	.2445	24	Qp	-.1	0	8.2	10	42.1	-	-	61.94	-19.84
11	.4875	14.43	Qp	0	0	8.2	10	32.63	-	-	56.21	-23.58
15	.753	10.6	Qp	.1	0	8.6	10	29.3	-	-	56	-26.7
19	4.821	10.82	Qp	.1	0	8.3	10	29.22	-	-	56	-26.78
23	13.56	-1.26	Qp	.2	.1	8.2	10	17.24	-	-	60	-42.76

Qp - Quasi-Peak detector

Ca - CISPR average detection

12.2. EUT WITH LAPTOP

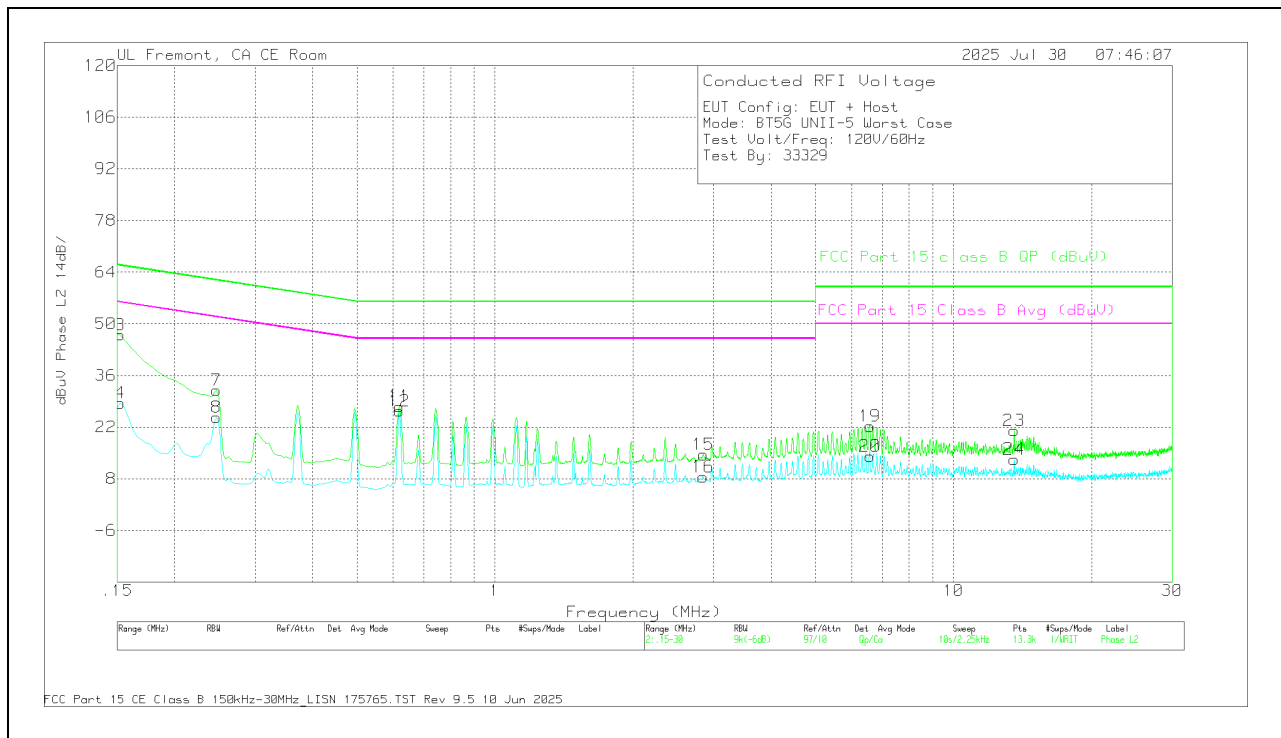
LINE 1 RESULTS



Range 1: Phase L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	CBL(dB)	LISN (dB)	CBL(dB)	10dB Atten (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
2	.1523	9.26	Ca	.5	.1	8.5	10	28.36	55.88	-27.52	-	-
6	.2468	7.15	Ca	-.1	0	8.2	10	25.25	51.87	-26.62	-	-
10	.618	8.16	Ca	0	0	8.3	10	26.46	46	-19.54	-	-
14	2.8455	3.97	Ca	.3	0	8.2	10	22.47	46	-23.53	-	-
18	6.5715	-5.81	Ca	-.2	0	8.2	10	12.19	50	-37.81	-	-
22	13.56	-5.11	Ca	.2	.1	8.2	10	13.39	50	-36.61	-	-
1	.1523	27.87	Qp	.5	.1	8.5	10	46.97	-	-	65.88	-18.91
5	.2468	14.04	Qp	-.1	0	8.2	10	32.14	-	-	61.87	-29.73
9	.618	9.4	Qp	0	0	8.3	10	27.7	-	-	56	-28.3
13	2.8455	8.69	Qp	.3	0	8.2	10	27.19	-	-	56	-28.81
17	6.5715	1.5	Qp	-.2	0	8.2	10	19.5	-	-	60	-40.5
21	13.56	3.1	Qp	.2	.1	8.2	10	21.6	-	-	60	-38.4

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS



Qp - Quasi-Peak detector
Ca - CISPR average detection

13. SETUP PHOTOS

Refer to 15496249-EP1V1 FCC IC Setup_Photo for setup photos.

14. APPENDIX A - SPOT CHECK EVALUATION

14.1. MODEL DIFFERENCES

The manufacturer hereby declares the following for models A3257, A3525, A3526 and A3527.

These models have the same PCB layout, design, common components, antennas, antenna locations and housing cases, except for FR2 is removed from variants and disabled/enabled cellular bands via software as shown below.

Model	FCC ID	IC ID	Feature Difference	Sim Support	Reference Model
A3257	BCG-E8950A	579C-E8950A	-With FR2/LTE/5GNR B14/29/71 -No B11/21 -With UL MIMO (n41/48/77)	eSIM	-
A3525	BCG-E8960A	579C-E8960A	-Without FR2 -Added B11/21 -No UL MIMO	eSIM	A3257
A3526	BCG-E8961A	579C-E8961A	-Without FR2 -No LTE/5GNR B14/29/71 -No LTE B11/21 -No UL MIMO	eSIM+pSIM	
A3527	BCG-E8962A	579C-E8962A	-Without FR2 -No LTE/5GNR B14/29/71 -No LTE B11/21 -With UL MIMO (n41/78/79) -No MSS / 5GNR B53	pSIM+pSIM	

The spot check plan, approved by the FCC inquiry, 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.

14.2. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3525

A3525 SPOT CHECK RESULTS												
Equipment Class / Technology	Frequency (GHz)	Mode	Mode	Test Item		Channel	Measured Frequency (GHz)	Original Model: A3257	Sub Model: A3525	Delta (dB)	Margin	Remarks
								FCC ID : BCG-E8950A IC : 579C-E8950A	FCC ID : BCG-E8960A IC : 579C-E8960A			
6VL / NB UNII-5	5.925 - 6.425 UNII-5	SISO Ant 6	HDRPL8	EIRP Power (dBm)	Fundamental	Mid	6.265	2.04	2.06	0.02	-27.96	Note 1
		SISO Ant 6	LE2M	Radiated Bandedge (dBuV/m)	Low Bandedge	Low	5.901335	-46.10	-47.96	-1.86	-19.10	Note 1
		MIMO	HDR4	RSE (dBuV/m) Ave.	1 to 18	High	15.863992	43.01	43.60	0.59	-10.99	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 A3526

A3526 SPOT CHECK RESULTS												
Equipment Class / Technology	Frequency (GHz)	Mode	Mode	Test Item		Channel	Measured Frequency (GHz)	Original Model: A3257	Sub Model: A3526	Delta (dB)	Margin	Remarks
								FCC ID : BCG-E8950A IC : 579C-E8950A	FCC ID : BCG-E8961A IC : 579C-E8961A			
6VL / NB UNII-5	5.925 - 6.425 UNII-5	SISO Ant 6	HDRPL8	EIRP Power (dBm)	Fundamental	Mid	6.265	2.04	2.30	0.26	-27.96	Note 1
		SISO Ant 6	LE2M	Radiated Bandedge (dBuV/m)	Low Bandedge	Low	5.901335	-46.10	-47.96	-1.86	-19.10	Note 1
		MIMO	HDR4	RSE (dBuV/m) Ave.	1 to 18	High	15.863992	43.01	42.18	-0.83	-10.99	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.

14.4. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3527

A3527 SPOT CHECK RESULTS												
Equipment Class / Technology	Frequency (GHz)	Mode	Mode	Test Item		Channel	Measured Frequency (GHz)	Original Model: A3257	Sub Model: A3527	Delta (dB)	Margin	Remarks
								FCC ID : BCG-E8950A IC : 579C-E8950A	FCC ID : BCG-E8962A IC : 579C-E8962A			
6VL / NB UNII-5	5.925 - 6.425 UNII-5	SISO Ant 6	HDRPL8	EIRP Power (dBm)	Fundamental	Mid	6.265	2.04	2.01	-0.03	-27.96	Note 1
		SISO Ant 6	LE2M	Radiated Bandedge (dBuV/m)	Low Bandedge	Low	5.901335	-46.10	-46.35	-0.25	-19.10	Note 1
		MIMO	HDR4	RSE (dBuV/m) Ave.	1 to 18	High	15.863992	43.01	42.71	-0.30	-10.99	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.

END OF REPORT