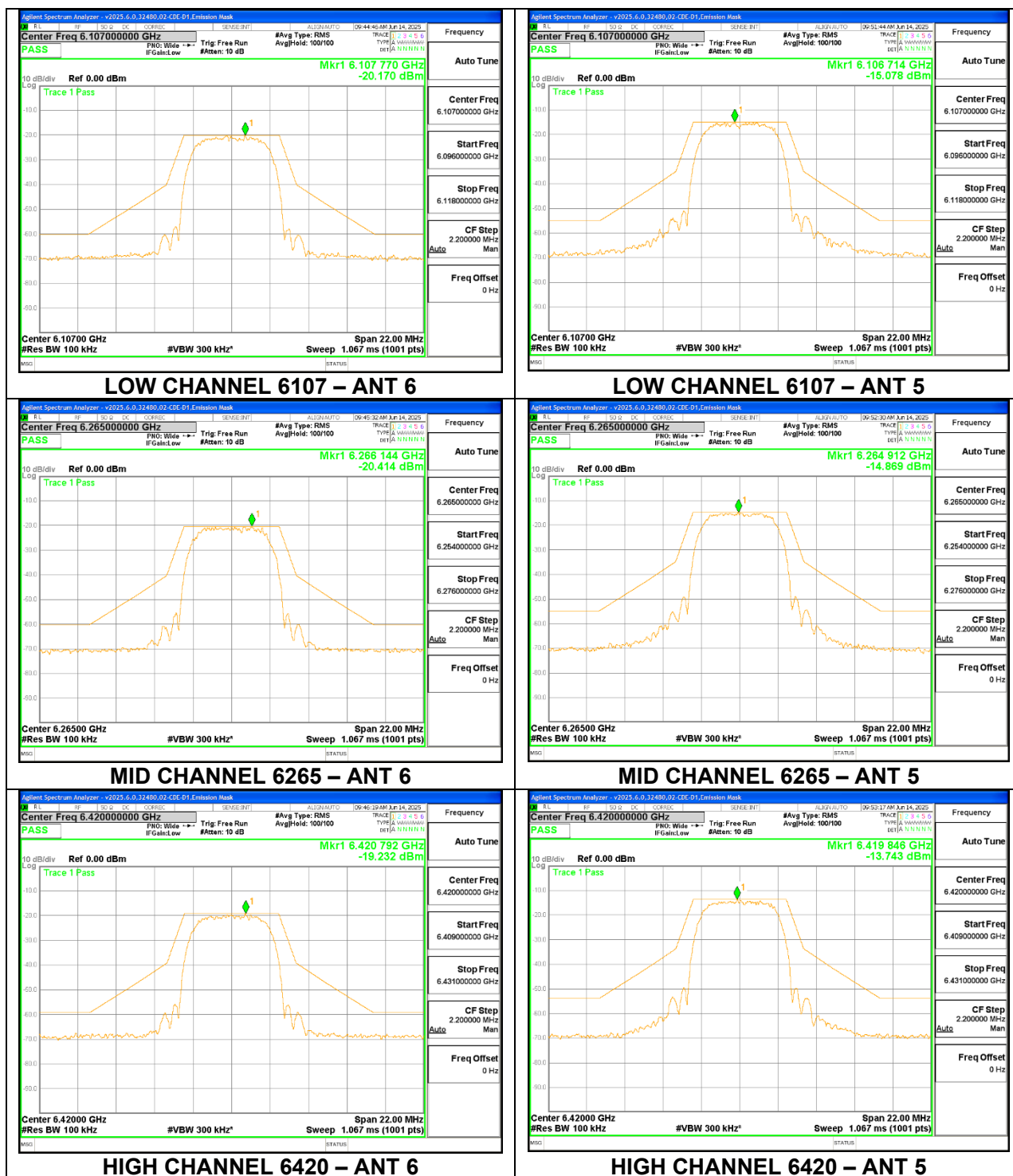
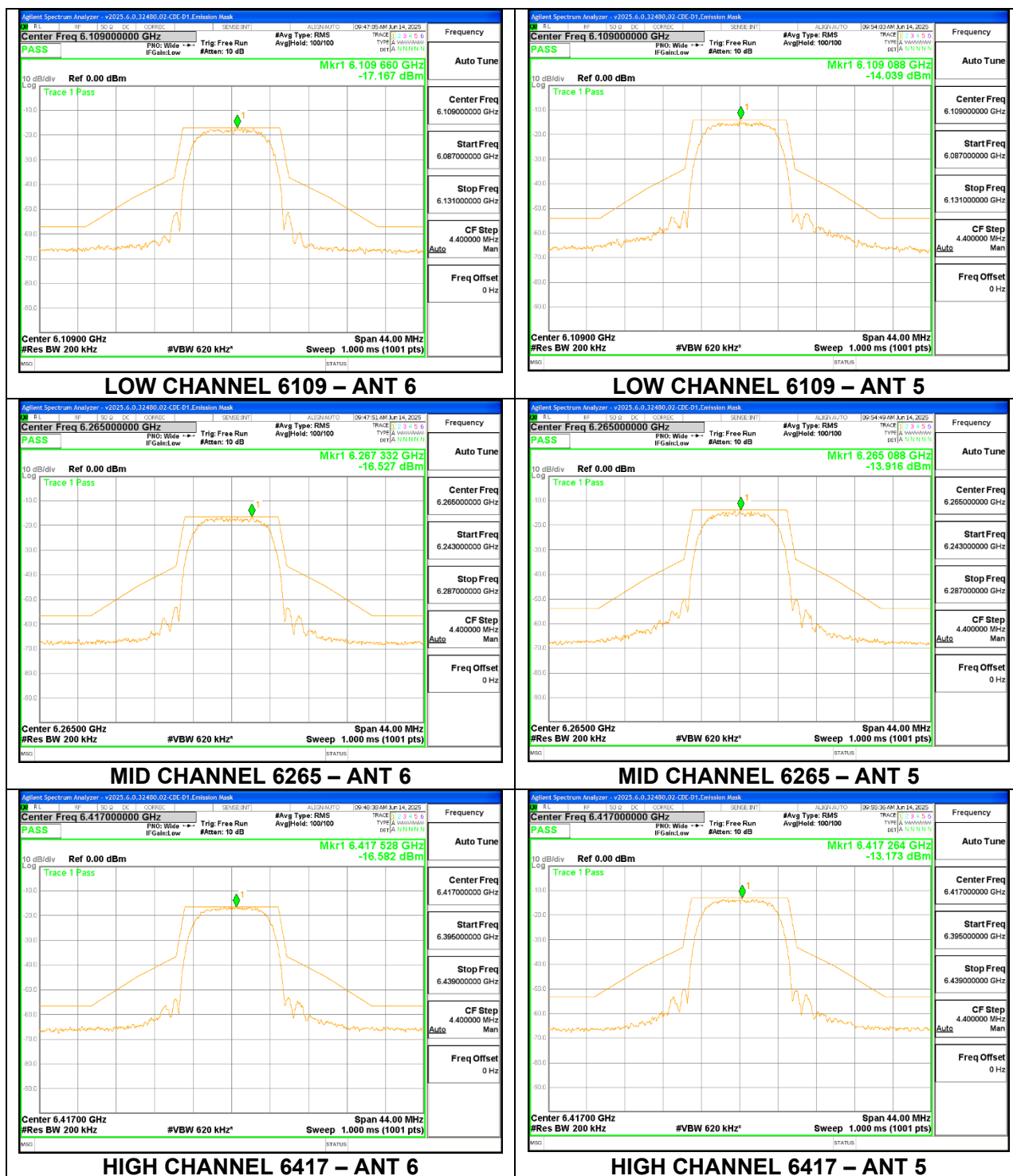


HDRPM8

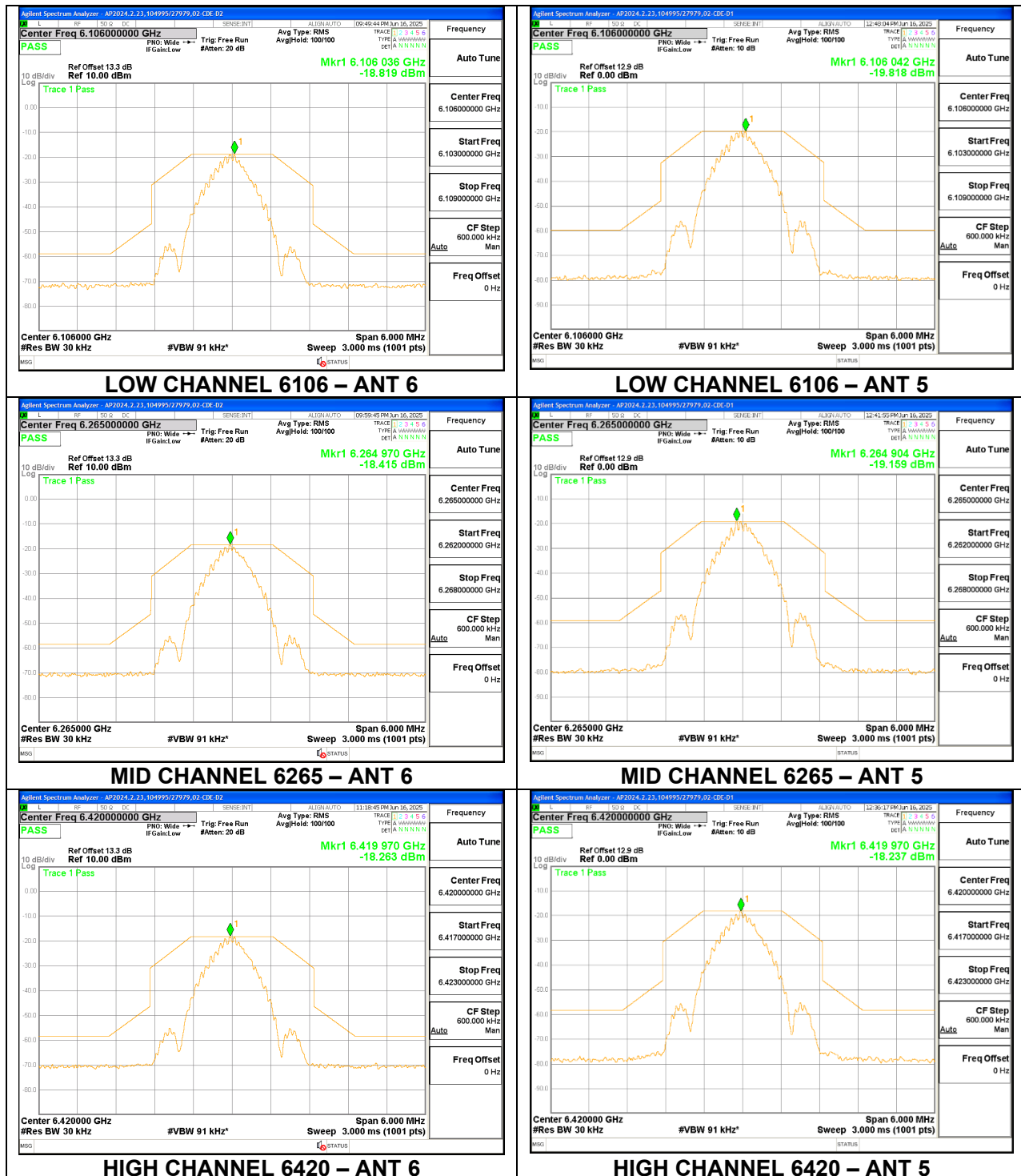


XHDRPL16

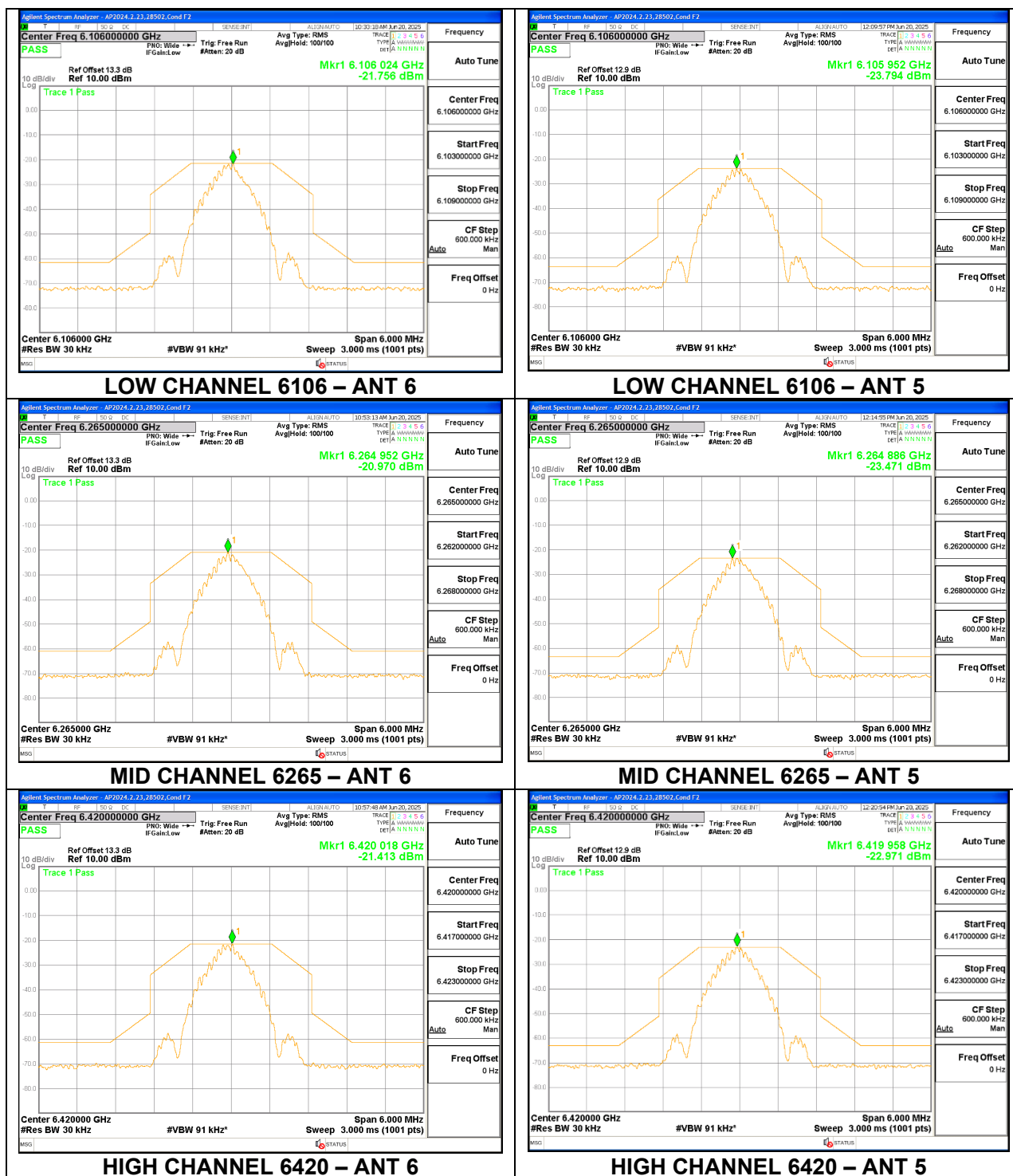


9.4.4. LOW POWER UNII-5 BAND MIMO TXBF MODE

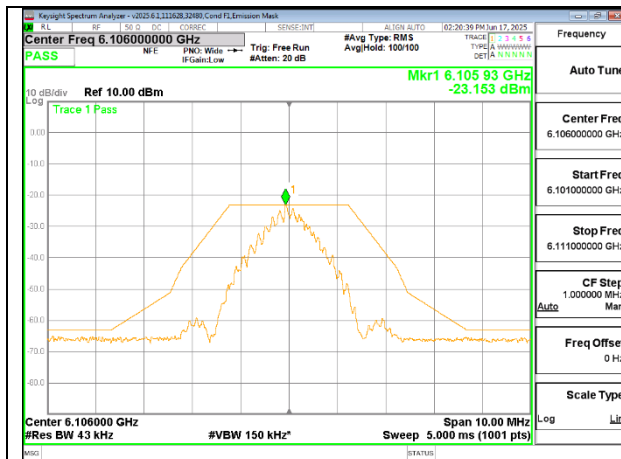
BDR



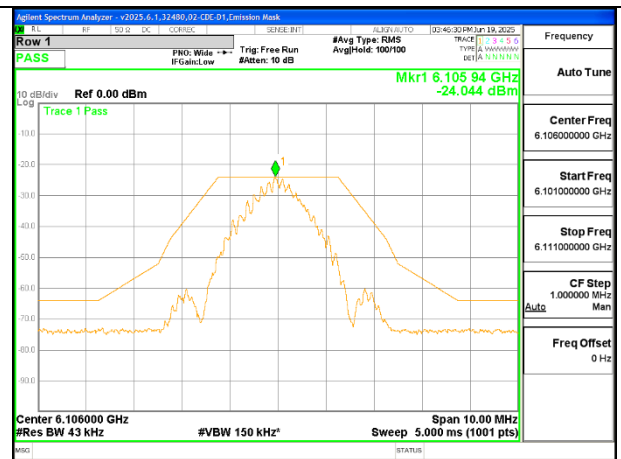
LE1M



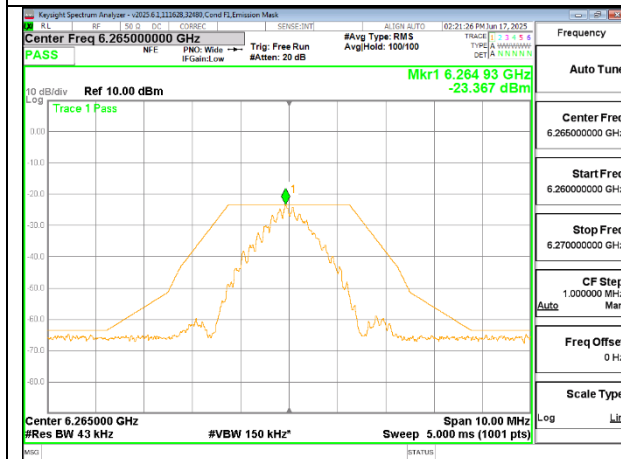
LE2M



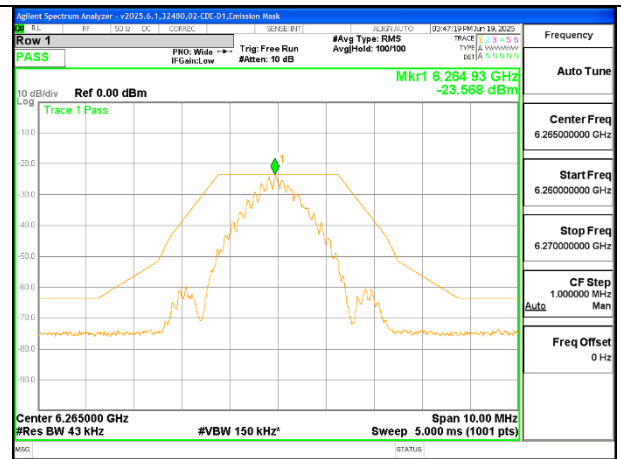
LOW CHANNEL 6106 – ANT 6



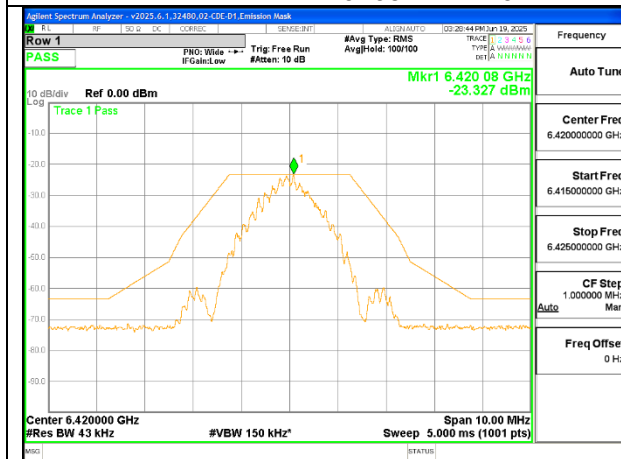
LOW CHANNEL 6106 – ANT 5



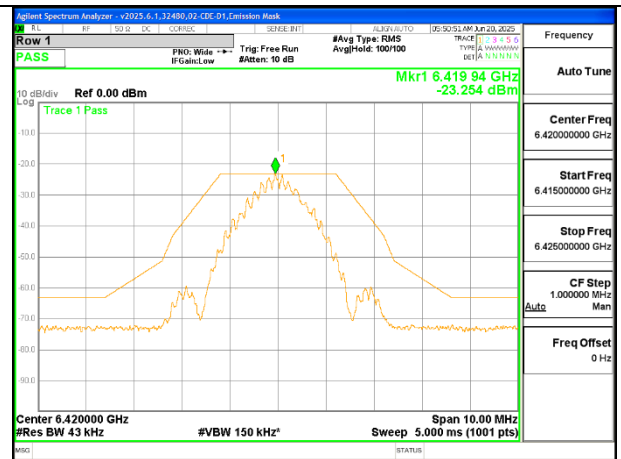
MID CHANNEL 6265 – ANT 6



MID CHANNEL 6265 – ANT 5

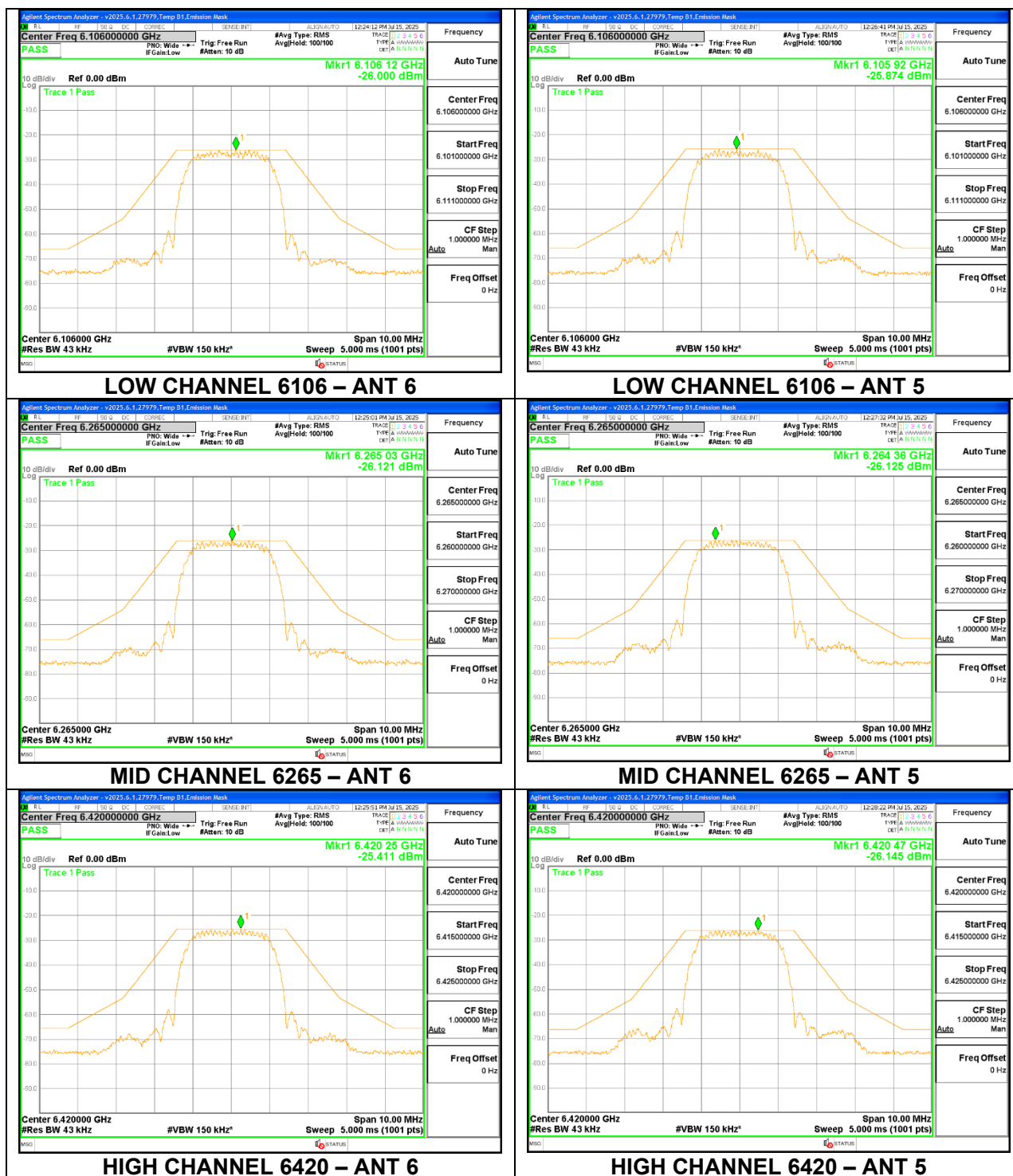


HIGH CHANNEL 6420 – ANT 6

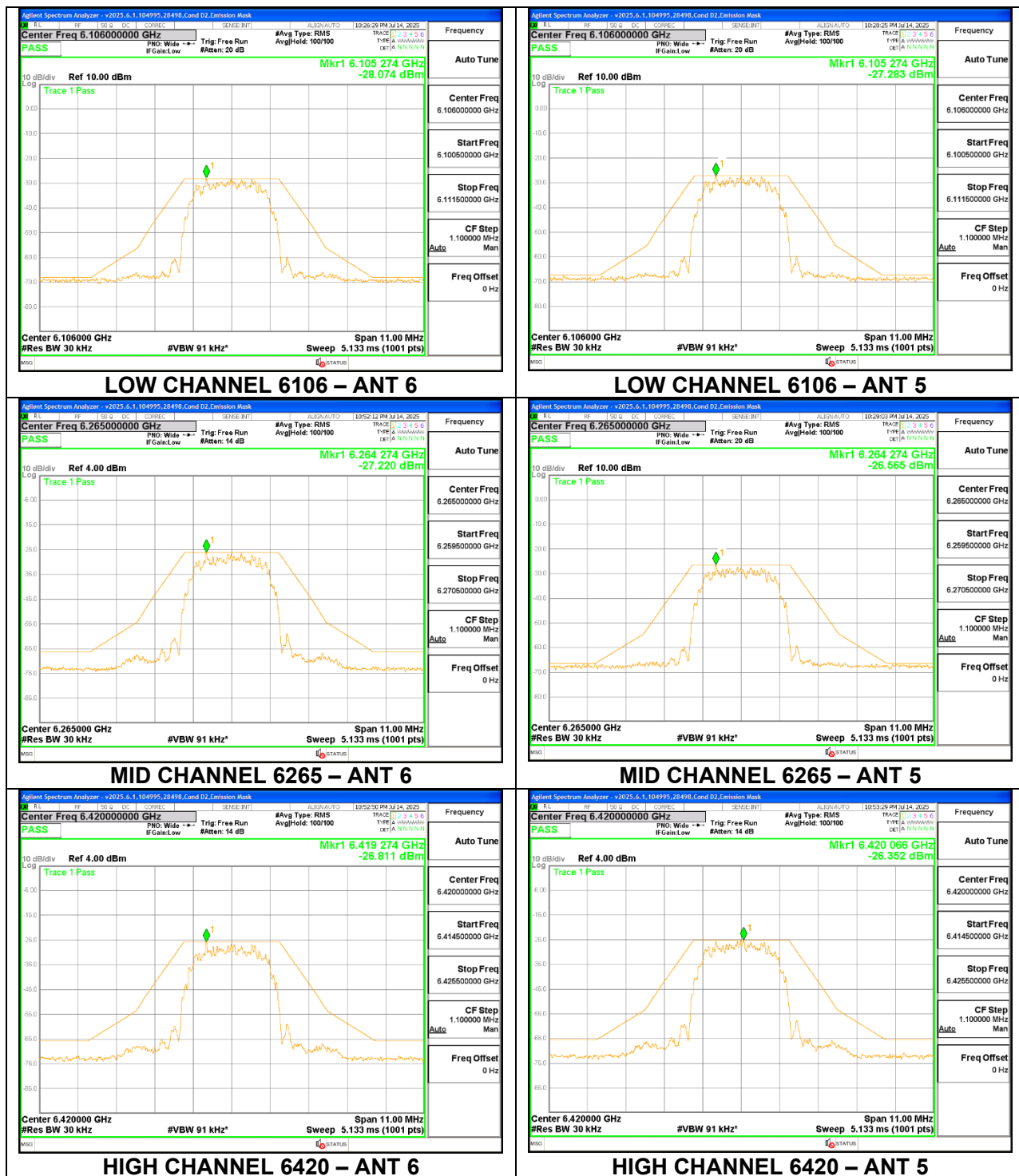


HIGH CHANNEL 6420 – ANT 5

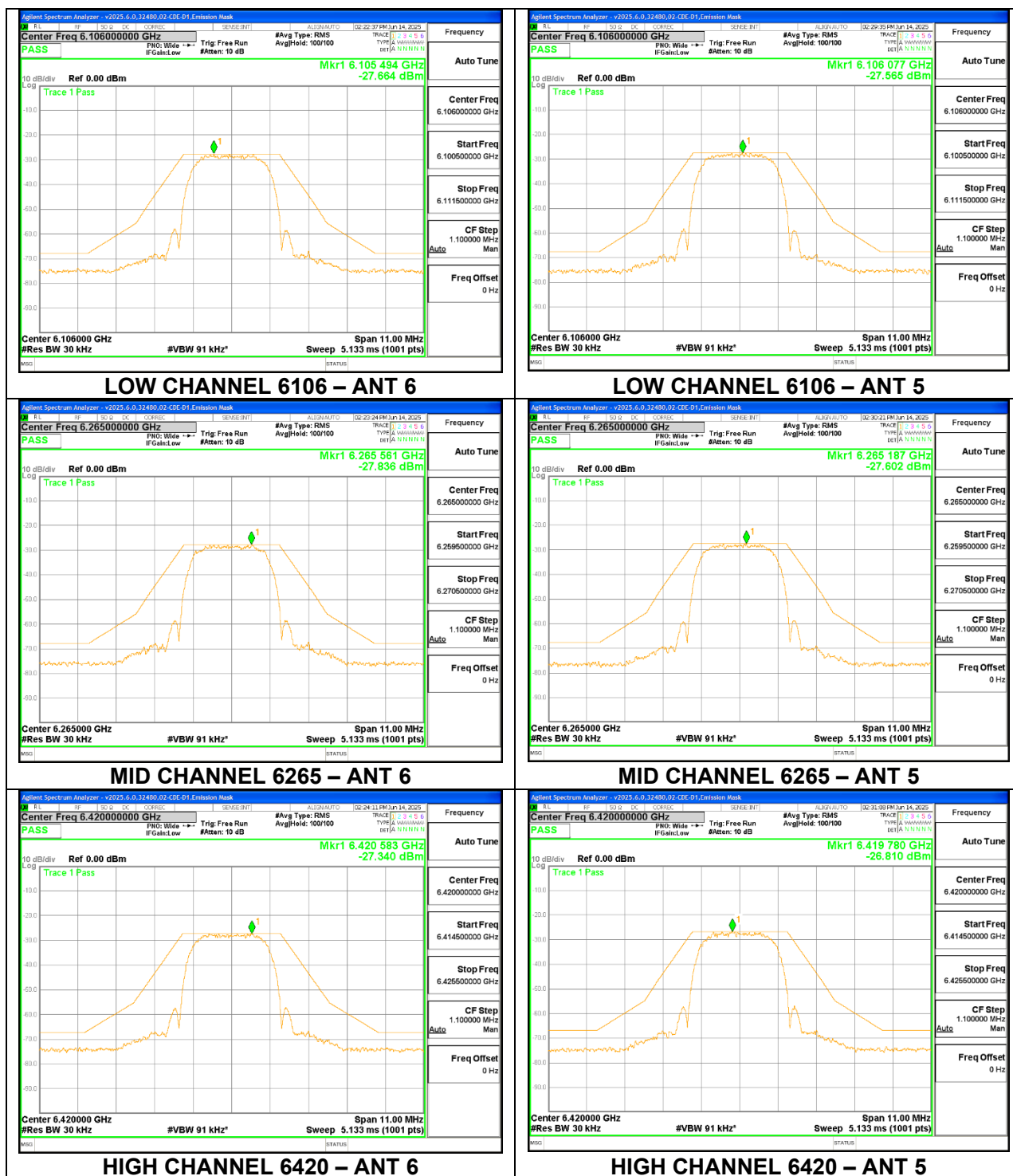
HDT4



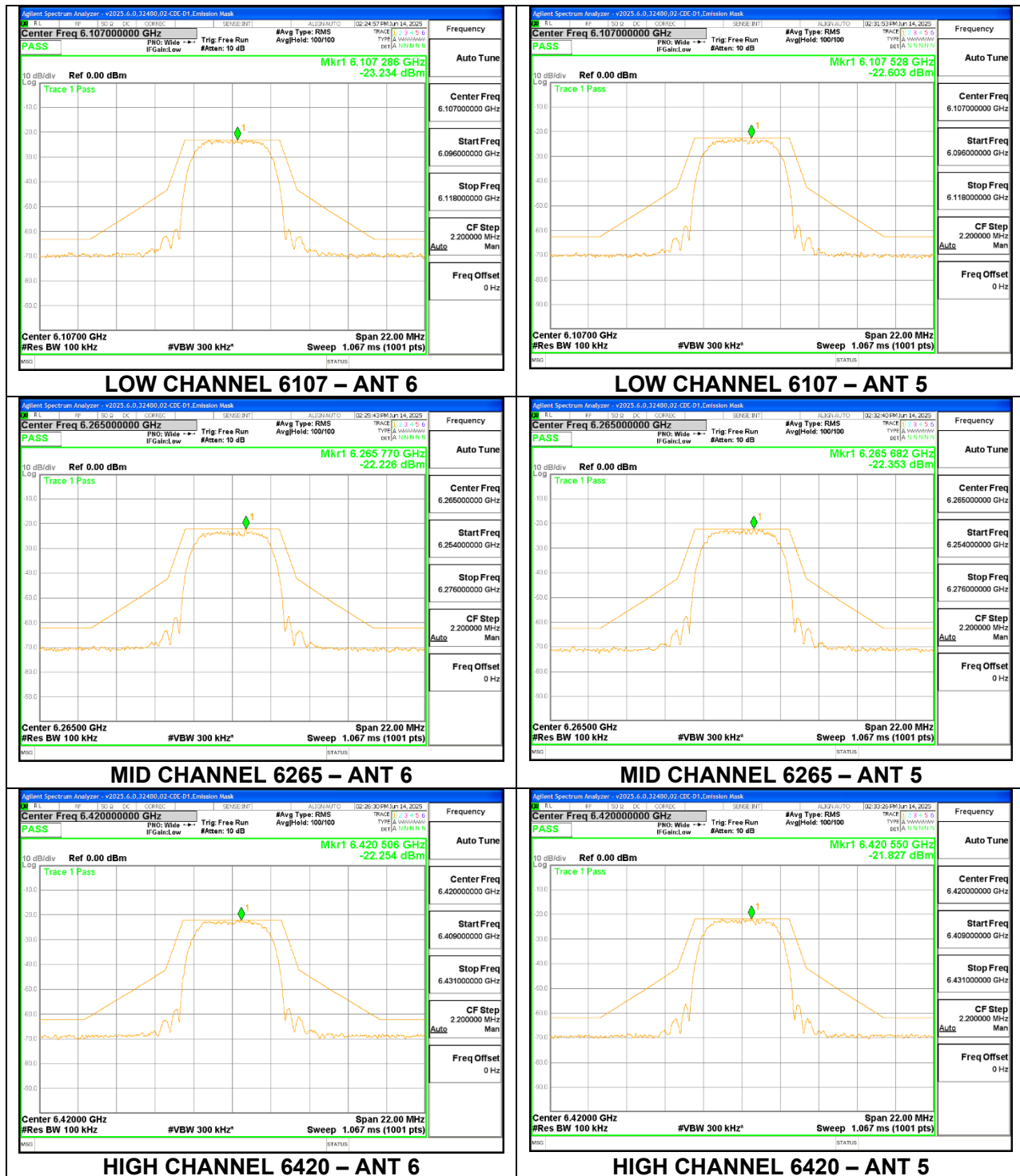
HDR4



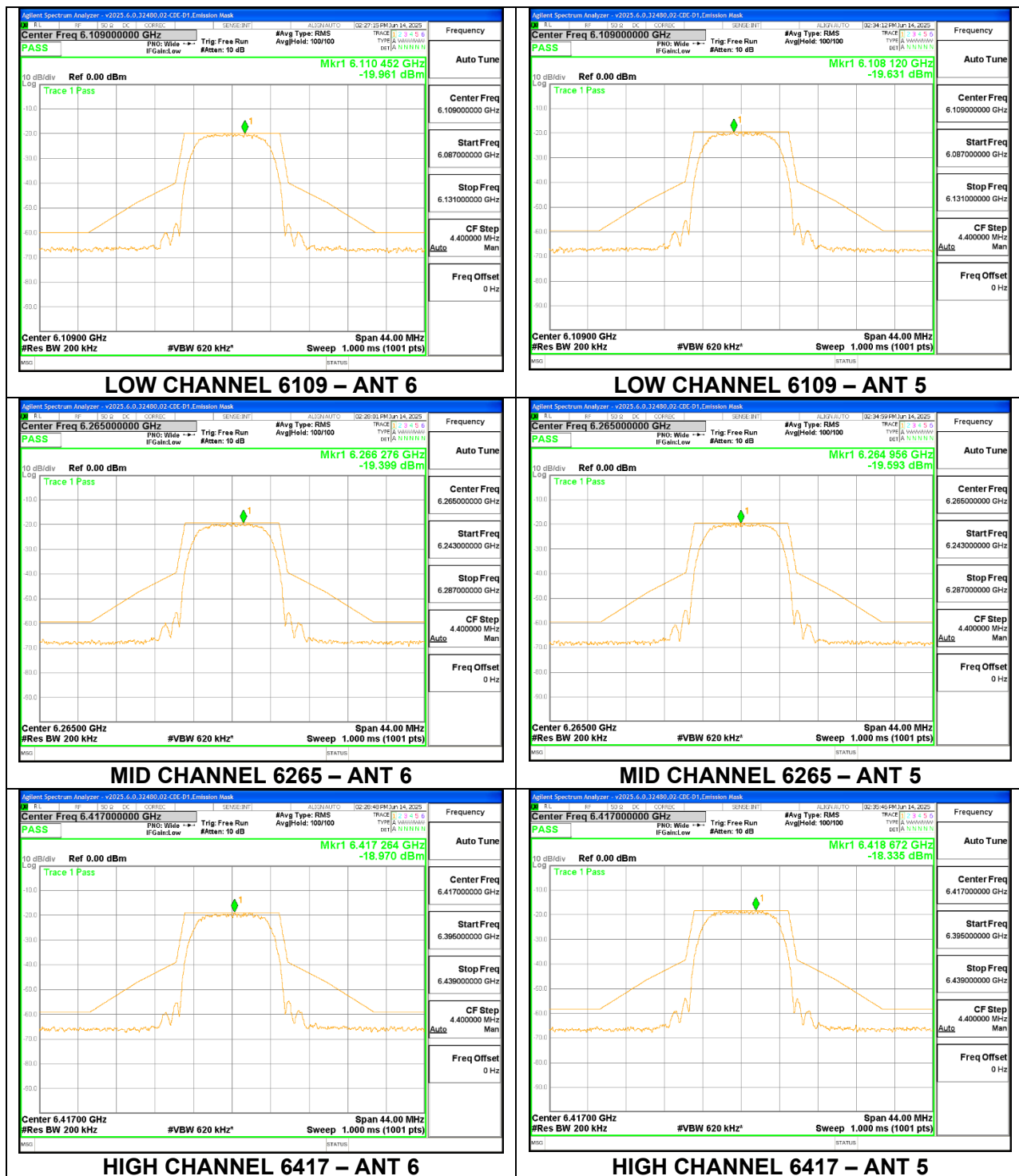
XHDRPS2



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

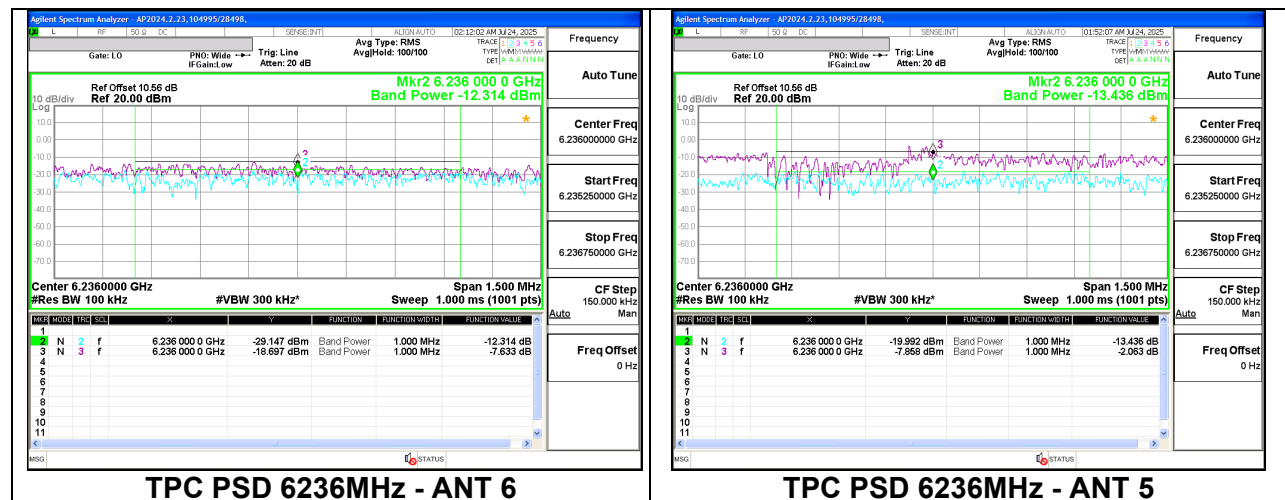
Mode	Antenna 6					Antenna 5				
Frequency (MHz)	Highest Measured PSD EIRP (dBm/MHz)	Trace 2 EIRP PSD (dBm/MHz)	Trace 3 EIRP PSD (dBm/MHz)	Delta (dB)	High RSSI PSD EIRP (dBm/MHz)	Highest Measured PSD EIRP (dBm/MHz)	Trace 2 EIRP PSD (dBm/MHz)	Trace 3 EIRP PSD (dBm/MHz)	Delta (dB)	High RSSI PSD EIRP (dBm/MHz)
6236	-7.916	-12.314	-7.633	4.68	-12.60	-8.973	-13.436	-2.063	11.37	-20.35

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	5887.068	-76.32	RMS	35.2	11.8	1.15	-23.33	-51.5	-27	-24.5	-	-	322	109
			5888.468	-64.76	Pk	35.2	11.8	0	-23.31	-41.07	-	-	-7	-34.07	322	109
			5925	-66.88	Pk	35.2	11.8	0	-23.36	-43.24	-	-	-7	-36.24	322	109
			5925	-76.93	RMS	35.2	11.8	1.15	-23.36	-52.14	-27	-25.14	-	-	322	109
			5911.001	-76.78	RMS	35.2	11.8	1.15	-23.33	-51.96	-27	-24.96	-	-	323	109
			5922.801	-65.25	Pk	35.2	11.8	0	-23.32	-41.57	-	-	-7	-34.57	323	109
		5	5925	-67.22	Pk	35.2	11.8	0	-23.36	-43.58	-	-	-7	-36.58	323	109
			5925	-78.26	RMS	35.2	11.8	1.15	-23.36	-53.47	-27	-26.47	-	-	323	109
			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	5.879535	-76.29	RMS	35.1	11.8	0.7	-19.2	-47.89	-27	-20.89	-	-	99	101
			5.904601	-64.53	Pk	35.2	11.8	0	-19.2	-36.73	-	-	-7	-29.73	99	101
			5.925	-66.55	Pk	35.2	11.8	0	-19.1	-38.65	-	-	-7	-31.65	99	101
			5.925	-78.3	RMS	35.2	11.8	0.7	-19.1	-49.7	-27	-22.7	-	-	99	101
			5.842268	-64.28	Pk	35.1	11.8	0	-19.4	-36.78	-	-	-7	-29.78	97	104
			5.908135	-76.93	RMS	35.2	11.8	0.7	-19.01	-48.24	-27	-21.24	-	-	97	104
		5	5.925	-67.64	Pk	35.2	11.8	0	-19.1	-39.74	-	-	-7	-32.74	97	104
			5.925	-78.12	RMS	35.2	11.8	0.7	-19.1	-49.52	-27	-22.52	-	-	97	104
			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
			5.886401	-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	5.853201	-49.58	Pk	35.1	11.8	0	-33.76	-36.44	-	-	-7	-29.44	34	102
			5.904468	-61.65	RMS	35.2	11.8	2.41	-33.81	-46.05	-27	-19.05	-	-	34	102
			5.925	-51.67	Pk	35.3	11.8	0	-33.72	-38.29	-	-	-7	-31.29	34	102
			5.925	-63.29	RMS	35.3	11.8	2.41	-33.72	-47.5	-27	-20.5	-	-	34	102
			5.874801	-61.76	RMS	35.1	11.8	2.41	-33.77	-46.22	-27	-19.22	-	-	30	105
			5.922001	-49.78	Pk	35.2	11.8	0	-33.75	-36.53	-	-	-7	-29.53	30	105
		5	5.925	-52.17	Pk	35.3	11.8	0	-33.72	-38.79	-	-	-7	-31.79	30	105
			5.925	-64.09	RMS	35.3	11.8	2.41	-33.72	-48.3	-27	-21.3	-	-	30	105
			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
			5.925	-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	5.808868	-47.11	Pk	34.9	11.8	0	-36.83	-37.24	-	-	-7	-30.24	326	101
			5.922468	-60.55	RMS	35.2	11.8	0.29	-36.55	-49.81	-27	-22.81	-	-	326	101
			5.925	-51.11	Pk	35.2	11.8	0	-36.54	-40.65	-	-	-7	-33.65	326	101
			5.925	-61.45	RMS	35.2	11.8	0.29	-36.54	-50.7	-27	-23.7	-	-	326	101
			5.677334	-47.46	Pk	34.6	11.8	0	-37.17	-38.23	-	-	-7	-31.23	269	103
			5.899601	-60.55	RMS	35.1	11.8	0.29	-36.64	-50	-27	-23	-	-	269	103
		5	5.925	-51.27	Pk	35.2	11.8	0	-36.54	-40.81	-	-	-7	-33.81	269	103
			5.925	-61.5	RMS	35.2	11.8	0.29	-36.54	-50.75	-27	-23.75	-	-	269	103
			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
			5.889868	-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

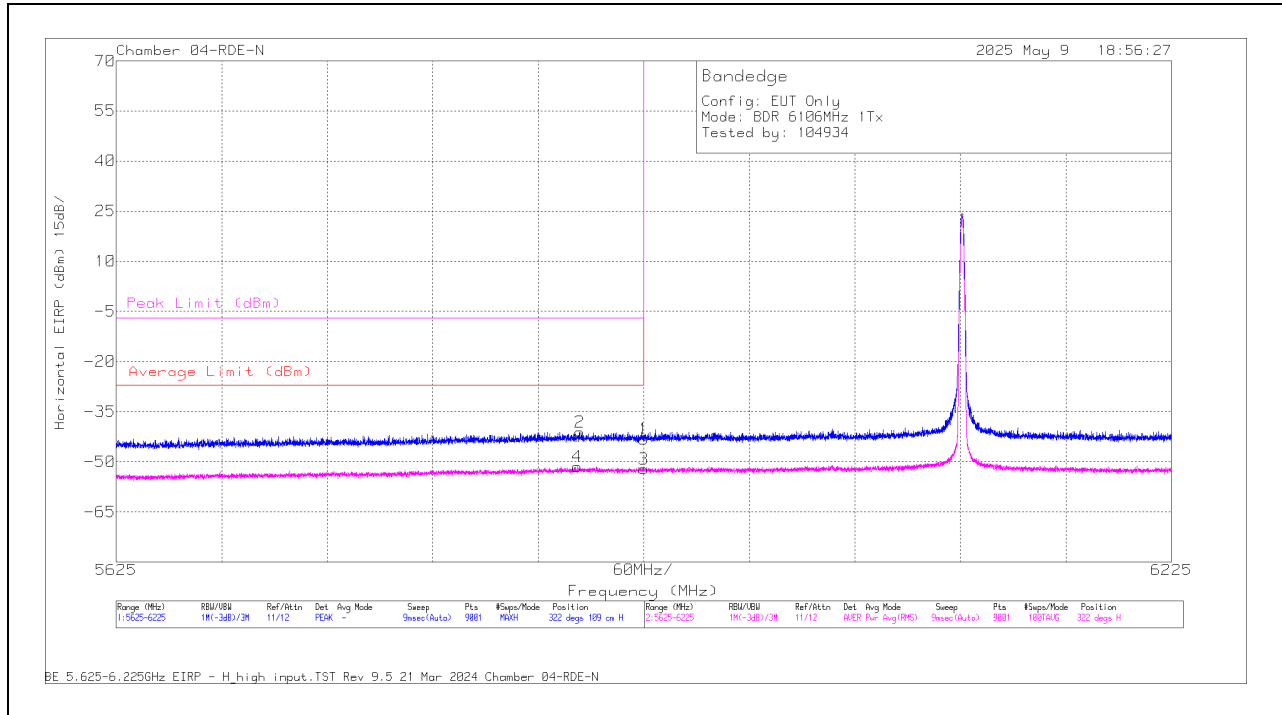
UNII-5 (SISO)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDR4	6106	6	5884.001	-65.07	Pk	35.1	11.8	0	-23.24	-41.41	-	-	-7	-34.41	351	108	H
			5894.801	-76.8	RMS	35.2	11.8	1.3	-23.22	-51.72	-27	-24.72	-	-	351	108	H
			5925	-67.87	Pk	35.2	11.8	0	-23.36	-44.23	-	-	-7	-37.23	351	108	H
			5925	-78.27	RMS	35.2	11.8	1.3	-23.36	-53.33	-27	-26.33	-	-	351	108	H
			5870.801	-65.22	Pk	35.1	11.8	0	-23.47	-41.79	-	-	-7	-34.79	314	102	V
			5893.335	-77.07	RMS	35.2	11.8	1.3	-23.22	-51.99	-27	-24.99	-	-	314	102	V
			5925	-67.21	Pk	35.2	11.8	0	-23.36	-43.57	-	-	-7	-36.57	314	102	V
			5925	-79.1	RMS	35.2	11.8	1.3	-23.36	-54.16	-27	-27.16	-	-	314	102	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	5.759201	-46.71	Pk	35.1	11.8	0	-38.08	-37.89	-	-	-7	-30.89	339	119	H
			5.908001	-59.62	RMS	35.2	11.8	0	-37.66	-50.28	-27	-23.28	-	-	339	119	H
			5.925	-49.82	Pk	35.3	11.8	0	-37.72	-40.44	-	-	-7	-33.44	339	119	H
			5.925	-60.51	RMS	35.3	11.8	0	-37.72	-51.13	-27	-24.13	-	-	339	119	H
			5.871401	-59.39	RMS	35.2	11.8	0	-37.71	-50.1	-27	-23.1	-	-	93	340	V
			5.906935	-47.04	Pk	35.2	11.8	0	-37.65	-37.69	-	-	-7	-30.69	93	340	V
			5.925	-50.32	Pk	35.3	11.8	0	-37.72	-40.94	-	-	-7	-33.94	93	340	V
			5.925	-60.38	RMS	35.3	11.8	0	-37.72	-51	-27	-24	-	-	93	340	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	5.925	-50.71	Pk	35.4	11.8	0	-37.5	-41.01	-	-	-7	-34.01	272	106	H
			5.842468	-47.78	Pk	35.3	11.8	0	-37.73	-38.41	-	-	-7	-31.41	272	106	H
			5.925	-60.65	RMS	35.4	11.8	0.3	-37.5	-50.65	-27	-23.65	-	-	272	106	H
			5.888135	-59.75	RMS	35.4	11.8	0.3	-37.56	-49.81	-27	-22.81	-	-	272	106	H
			5.925	-51.15	Pk	35.4	11.8	0	-37.5	-41.45	-	-	-7	-34.45	17	131	V
			5.841201	-47.78	Pk	35.3	11.8	0	-37.74	-38.42	-	-	-7	-31.42	17	131	V
			5.925	-60.88	RMS	35.4	11.8	0.3	-37.5	-50.88	-27	-23.88	-	-	17	131	V
			5.911801	-59.97	RMS	35.4	11.8	0.3	-37.58	-50.05	-27	-23.05	-	-	17	131	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	5.925	-50.46	Pk	35.4	11.8	0	-37.5	-40.76	-	-	-7	-33.76	317	115	H
			5.906135	-48.5	Pk	35.4	11.8	0	-37.54	-38.84	-	-	-7	-31.84	317	115	H
			5.925	-60.65	RMS	35.4	11.8	0.2	-37.5	-50.75	-27	-23.75	-	-	317	115	H
			5.904468	-59.87	RMS	35.4	11.8	0.2	-37.57	-50.04	-27	-23.04	-	-	317	115	H
			5.925	-50.5	Pk	35.4	11.8	0	-37.5	-40.8	-	-	-7	-33.8	16	108	V
			5.878935	-48.37	Pk	35.4	11.8	0	-37.58	-38.75	-	-	-7	-31.75	16	108	V
			5.925	-60.55	RMS	35.4	11.8	0.2	-37.5	-50.65	-27	-23.65	-	-	16	108	V
			5.913335	-59.9	RMS	35.4	11.8	0.2	-37.56	-50.06	-27	-23.06	-	-	16	108	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)

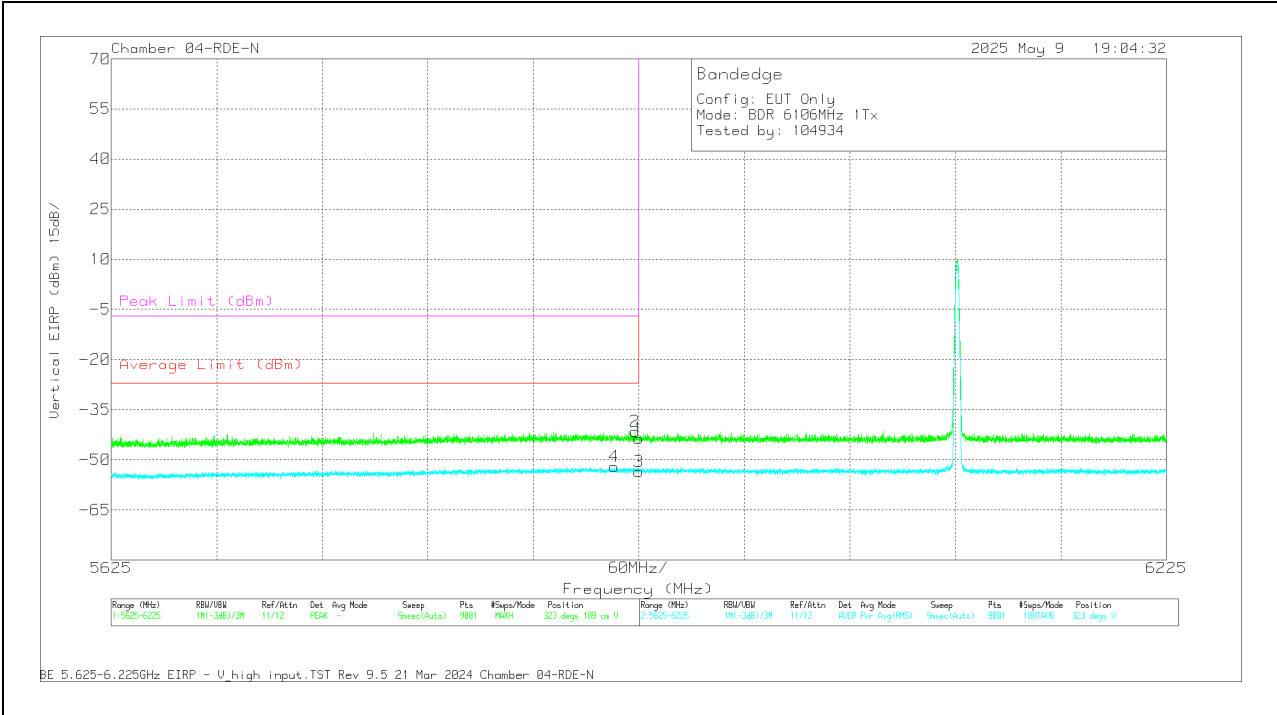
HORIZONTAL RESULT



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
4	5887.068	-76.32	RMS	35.2	11.8	1.15	-23.33	-51.5	-27	-24.5	-	-	322	109	H
2	5888.468	-64.76	PK	35.2	11.8	0	-23.31	-41.07	-	-	-7	-34.07	322	109	H
1	5925	-66.88	PK	35.2	11.8	0	-23.36	-43.24	-	-	-7	-36.24	322	109	H
3	5925	-76.93	RMS	35.2	11.8	1.15	-23.36	-52.14	-27	-25.14	-	-	322	109	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
4	5911.001	-76.78	RMS	35.2	11.8	1.15	-23.33	-51.96	-27	-24.96	-	-	323	109	V
2	5922.801	-65.25	Pk	35.2	11.8	0	-23.32	-41.57	-	-	-7	-34.57	323	109	V
1	5925	-67.22	Pk	35.2	11.8	0	-23.36	-43.58	-	-	-7	-36.58	323	109	V
3	5925	-78.26	RMS	35.2	11.8	1.15	-23.36	-53.47	-27	-26.47	-	-	323	109	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	5.858401	-59.42	RMS	35.2	11.8	1.15	-37.73	-49	-27	-22	-	-	347	104	H
			5.915868	-47.64	Pk	35.2	11.8	0	-37.73	-38.37	-	-	-7	-31.37	347	104	H
			5.925	-50.38	Pk	35.3	11.8	0	-37.72	-41	-	-	-7	-34	347	104	H
			5.925	-60.46	RMS	35.3	11.8	1.15	-37.72	-49.93	-27	-22.93	-	-	347	104	H
			5.870935	-47.28	Pk	35.2	11.8	0	-37.68	-37.96	-	-	-7	-30.96	19	165	V
			5.916735	-59.13	RMS	35.2	11.8	1.15	-37.69	-48.67	-27	-21.67	-	-	19	165	V
			5.925	-49.58	Pk	35.3	11.8	0	-37.72	-40.2	-	-	-7	-33.2	19	165	V
			5.925	-60.6	RMS	35.3	11.8	1.15	-37.72	-50.07	-27	-23.07	-	-	19	165	V
			5.907068	-48.21	Pk	35.3	11.8	0	-36.21	-37.32	-	-	-7	-30.32	357	113	H
LE1M	6106	6 + 5	5.908801	-60.29	RMS	35.3	11.8	0.7	-36.22	-48.71	-27	-21.71	-	-	357	113	H
			5.925	-50.9	Pk	35.4	11.8	0	-36.1	-39.8	-	-	-7	-32.8	357	113	H
			5.925	-61.73	RMS	35.4	11.8	0.7	-36.1	-49.93	-27	-22.93	-	-	357	113	H
			5.802668	-47.88	Pk	35	11.8	0	-36.5	-37.58	-	-	-7	-30.58	24	172	V
			5.919401	-60.7	RMS	35.3	11.8	0.7	-36	-48.9	-27	-21.9	-	-	24	172	V
			5.925	-51.14	Pk	35.4	11.8	0	-36.1	-40.04	-	-	-7	-33.04	24	172	V
			5.925	-61.38	RMS	35.4	11.8	0.7	-36.1	-49.58	-27	-22.58	-	-	24	172	V
			5.884.935	-76.78	RMS	35.1	11.8	2.41	-23.35	-50.82	-27	-23.82	-	-	38	367	H
			5.892.668	-65.29	Pk	35.2	11.8	0	-23.23	-41.52	-	-	-7	-34.52	38	367	H
LE2M	6106	6 + 5	5.925	-67.33	Pk	35.2	11.8	0	-23.36	-43.69	-	-	-7	-36.69	38	367	H
			5.925	-77.64	RMS	35.2	11.8	2.41	-23.36	-51.59	-27	-24.59	-	-	38	367	H
			5.895.335	-77	RMS	35.2	11.8	2.41	-23.21	-50.8	-27	-23.8	-	-	31	381	V
			5.911.268	-64.66	Pk	35.2	11.8	0	-23.34	-41	-	-	-7	-34	31	381	V
			5.925	-66.69	Pk	35.2	11.8	0	-23.36	-43.05	-	-	-7	-36.05	31	381	V
			5.925	-77.74	RMS	35.2	11.8	2.41	-23.36	-51.69	-27	-24.69	-	-	31	381	V
			5.878735	-49	Pk	35.1	11.8	0	-36.65	-38.75	-	-	-7	-31.75	78	180	H
			5.922268	-60.85	RMS	35.2	11.8	0.29	-36.55	-50.11	-27	-23.11	-	-	78	180	H
			5.925	-51.3	Pk	35.2	11.8	0	-36.54	-40.84	-	-	-7	-33.84	78	180	H
HDT4	6106	6 + 5	5.925	-61.44	RMS	35.2	11.8	0.29	-36.54	-50.69	-27	-23.69	-	-	78	180	H
			5.780067	-48.02	Pk	34.8	11.8	0	-36.87	-38.29	-	-	-7	-31.29	28	208	V
			5.913868	-60.54	RMS	35.1	11.8	0.29	-36.6	-49.95	-27	-22.95	-	-	28	208	V
			5.925	-50.82	Pk	35.2	11.8	0	-36.54	-40.36	-	-	-7	-33.36	28	208	V
			5.925	-61.5	RMS	35.2	11.8	0.29	-36.54	-50.75	-27	-23.75	-	-	28	208	V
			5.802934	-46.03	Pk	35.1	11.8	0	-38.04	-37.17	-	-	-7	-30.17	340	149	H
			5.872201	-59.4	RMS	35.2	11.8	1.3	-37.75	-48.85	-27	-21.85	-	-	340	149	H
			5.925	-48.95	Pk	35.3	11.8	0	-37.72	-39.57	-	-	-7	-32.57	340	149	H
			5.925	-60.78	RMS	35.3	11.8	1.3	-37.72	-50.1	-27	-23.1	-	-	340	149	H
HDR4	6106	6 + 5	5.800734	-47.26	Pk	35.1	11.8	0	-38.01	-38.37	-	-	-7	-31.37	18	233	V
			5.904535	-59.59	RMS	35.2	11.8	1.3	-37.64	-48.93	-27	-21.93	-	-	18	233	V
			5.925	-49.65	Pk	35.3	11.8	0	-37.72	-40.27	-	-	-7	-33.27	18	233	V
			5.925	-61.58	RMS	35.3	11.8	1.3	-37.72	-50.9	-27	-23.9	-	-	18	233	V
			5.885801	-46.94	Pk	35.2	11.8	0	-37.62	-37.56	-	-	-7	-30.56	343	120	H
			5.915201	-59.57	RMS	35.2	11.8	0	-37.65	-50.22	-27	-23.22	-	-	343	120	H
			5.925	-49.66	Pk	35.3	11.8	0	-37.72	-40.28	-	-	-7	-33.28	343	120	H
			5.925	-60.45	RMS	35.3	11.8	0	-37.72	-51.07	-27	-24.07	-	-	343	120	H
			5.874401	-47.58	Pk	35.2	11.8	0	-37.74	-38.32	-	-	-7	-31.32	24	183	V
HDRPM8	6107	6 + 5	5.885801	-59.57	RMS	35.2	11.8	0	-37.62	-50.19	-27	-23.19	-	-	24	183	V
			5.925	-48.98	Pk	35.3	11.8	0	-37.72	-39.6	-	-	-7	-32.6	24	183	V
			5.925	-60.81	RMS	35.3	11.8	0	-37.72	-51.43	-27	-24.43	-	-	24	183	V
			5.925	-51.11	Pk	35.4	11.8	0	-37.5	-41.41	-	-	-7	-34.41	300	141	H
			5.897268	-48.02	Pk	35.4	11.8	0	-37.57	-38.39	-	-	-7	-31.39	300	141	H
			5.925	-60.72	RMS	35.4	11.8	0.3	-37.5	-50.72	-27	-23.72	-	-	300	141	H
			5.923401	-60	RMS	35.4	11.8	0.3	-37.53	-50.03	-27	-23.03	-	-	300	141	H
			5.925	-50.97	Pk	35.4	11.8	0	-37.5	-41.27	-	-	-7	-34.27	338	221	V
			5.772067	-47.6	Pk	35.2	11.8	0	-37.86	-38.46	-	-	-7	-31.46	338	221	V
XHDRPL16	6109	6 + 5	5.925	-61.01	RMS	35.4	11.8	0.3	-37.5	-51.01	-27	-24.01	-	-	338	221	V
			5.799201	-59.56	RMS	35.2	11.8	0.3	-37.74	-50	-27	-23	-	-	338	221	V
			5.925	-49.44	Pk	35.4	11.8	0	-37.5	-39.74	-	-	-7	-32.74	258	125	H
			5.6954	-47.09	Pk	35	11.8	0	-38.01	-38.3	-	-	-7	-31.3	258	125	H
			5.925	-61.12	RMS	35.4	11.8	0.2	-37.5	-51.22	-27	-24.22	-	-	258	125	H
			5.764801	-59.59	RMS	35.2	11.8	0.2	-37.86	-50.25	-27	-23.25	-	-	258	125	H
			5.925	-49.73	Pk	35.4	11.8	0	-37.5	-40.03	-	-	-7	-33.03	294	125	V
			5.909135	-48.36	Pk	35.4	11.8	0	-37.56	-38.72	-	-	-7	-31.72	294	125	V
			5.925	-61.54	RMS	35.4	11.8	0.2	-37.5	-51.64	-27	-24.64	-	-	294	125	V
			5.890801	-60.08	RMS	35.4	11.8	0.2	-37.55	-50.23	-27	-23.23	-	-	294	125	V

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

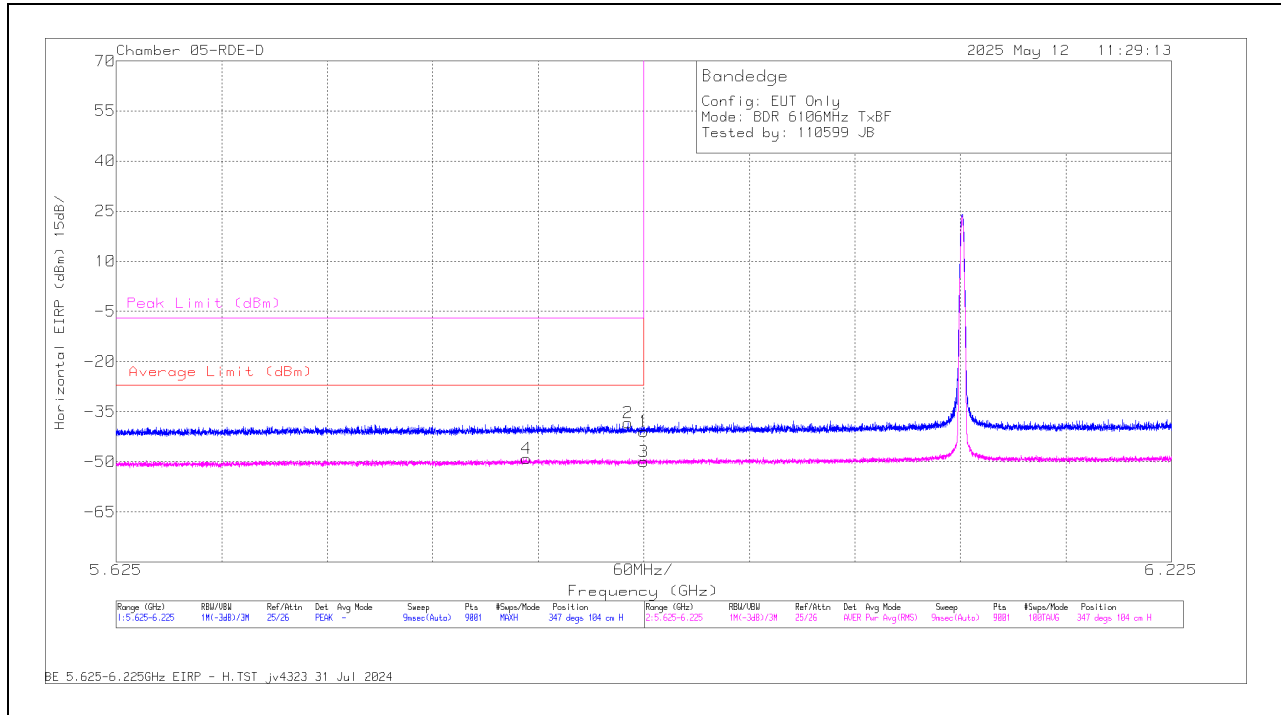
Pk - Peak detector

RMS - RMS detection

2TX Antennas 6 + 5:

BANDEDGE (LOW CHANNEL / 6106MHz)

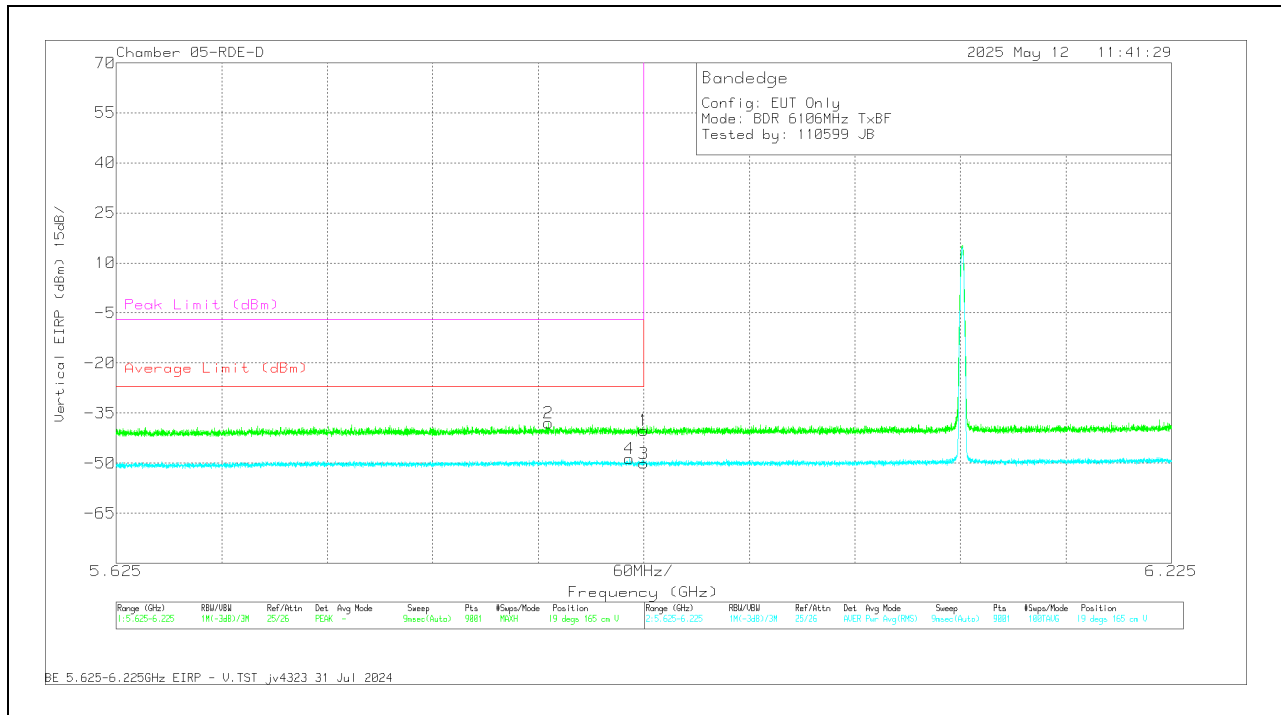
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	81887 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
4	5.858401	-59.42	RMS	35.2	11.8	1.15	-37.73	-49	-27	-22	-	-	347	104	H
2	5.915868	-47.64	Pk	35.2	11.8	0	-37.73	-38.37	-	-	-7	-31.37	347	104	H
1	5.925	-50.38	Pk	35.3	11.8	0	-37.72	-41	-	-	-7	-34	347	104	H
3	5.925	-60.46	RMS	35.3	11.8	1.15	-37.72	-49.93	-27	-22.93	-	-	347	104	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	81887 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	5.870935	-47.28	Pk	35.2	11.8	0	-37.68	-37.96	-	-	-7	-30.96	19	165	V
4	5.916735	-59.13	RMS	35.2	11.8	1.15	-37.69	-48.67	-27	-21.67	-	-	19	165	V
1	5.925	-49.58	Pk	35.3	11.8	0	-37.72	-40.2	-	-	-7	-33.2	19	165	V
3	5.925	-60.6	RMS	35.3	11.8	1.15	-37.72	-50.07	-27	-23.07	-	-	19	165	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/ 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
BDR	6106	6 + 5	2.335933	60.97	PK-U	32.1	-49.98	0	43.09	-	-	74	-30.91	143	300	H
			2.334222	48.9	ADR	32.1	-49.95	1.15	32.2	54	-21.8	-	-	143	300	H
			2.313954	60.85	PK-U	32	-49.95	0	42.9	-	-	74	-31.1	246	147	V
			2.328081	49.01	ADR	32.1	-49.94	1.15	32.32	54	-21.68	-	-	246	147	V
			11.12022	56.42	PK-U	37.6	-43.74	0	50.28	-	-	74	-23.72	123	183	H
			11.09735	44.18	ADR	37.6	-44.17	1.15	38.76	54	-15.24	-	-	123	183	H
			16.780574	55.14	PK-U	41.1	-42.24	0	54	-	-	88.2	-34.2	163	263	H
			16.78683	43.05	ADR	41.1	-42.21	1.15	43.09	68.2	-25.11	-	-	163	263	H
			11.089483	56.78	PK-U	37.6	-44.12	0	50.26	-	-	74	-23.74	16	267	V
			11.106665	44.32	ADR	37.6	-44.06	1.15	39.01	54	-14.99	-	-	16	267	V
			16.775717	55	PK-U	41.1	-42.25	0	53.85	-	-	88.2	-34.35	190	249	V
			16.773845	42.98	ADR	41.1	-42.23	1.15	43	68.2	-25.2	-	-	190	249	V
			2.199856	61.16	PK-U	31.8	-50.25	0	42.71	-	-	88.2	-45.49	318	310	H
			2.1685	49.18	ADR	31.7	-50.36	1.15	31.67	68.2	-36.53	-	-	318	310	H
			2.191263	61.37	PK-U	31.8	-50.29	0	42.88	-	-	88.2	-45.32	217	251	V
			2.167817	49.16	ADR	31.7	-50.37	1.15	31.64	68.2	-36.56	-	-	217	251	V
			11.048204	56.13	PK-U	37.6	-44.29	0	49.44	-	-	74	-24.56	175	398	H
			11.06511	44.42	ADR	37.6	-43.91	1.15	39.26	54	-14.74	-	-	175	398	H
	6265	6 + 5	16.952371	54.96	PK-U	41.2	-41.92	0	54.24	-	-	88.2	-33.96	214	277	H
			16.941904	42.91	ADR	41.3	-42.19	1.15	43.17	68.2	-25.03	-	-	214	277	H
			11.04004	56.93	PK-U	37.6	-44.61	0	49.92	-	-	74	-24.08	12	274	V
			11.07046	44.63	ADR	37.6	-43.87	1.15	39.51	54	-14.49	-	-	12	274	V
			16.94694	54.33	PK-U	41.3	-42	0	53.63	-	-	88.2	-34.57	169	351	V
			16.93169	42.52	ADR	41.2	-42.15	1.15	42.72	68.2	-25.48	-	-	169	351	V
			1.889608	62.52	PK-U	31.4	-50.3	0	43.62	-	-	88.2	-44.58	233	195	H
			1.891679	50.45	ADR	31.4	-50.3	1.15	32.7	68.2	-35.5	-	-	233	195	H
			1.892284	62.64	PK-U	31.4	-50.3	0	43.74	-	-	88.2	-44.46	279	176	V
			1.894861	50.56	ADR	31.4	-50.3	1.15	32.81	68.2	-35.39	-	-	279	176	V
			11.086389	57.72	PK-U	37.9	-44.9	0	50.72	-	-	74	-23.28	132	135	H
			11.088001	45.97	ADR	37.9	-45	1.15	40.02	54	-13.98	-	-	132	135	H
			13.39711	57.8	PK-U	39	-45.71	0	51.09	-	-	74	-22.91	248	226	H
			13.400922	46.09	ADR	39	-45.61	1.15	40.63	68.2	-27.57	-	-	248	226	H
			11.056524	57.71	PK-U	37.8	-45.2	0	50.31	-	-	74	-23.69	175	167	V
			11.082553	45.91	ADR	37.9	-44.8	1.15	40.16	54	-13.84	-	-	175	167	V
	6420	6 + 5	13.419182	57.81	PK-U	39	-45.64	0	51.17	-	-	88.2	-37.03	187	118	V
			13.447823	46.34	ADR	38.9	-45.7	1.15	40.69	68.2	-27.51	-	-	187	118	V
LE1M	6106	6 + 5	* 9.166871	54.67	PK-U	36.2	-42.99	0	47.88	-	-	74	-26.12	40	385	H
			* 9.164601	43.2	ADR	36.1	-42.9	0.7	37.1	54	-16.9	-	-	40	385	H
			* 12.219621	53.26	PK-U	38.9	-40.66	0	51.5	-	-	74	-22.5	298	339	H
			* 12.218369	41.34	ADR	38.9	-40.66	0.7	40.28	54	-13.72	-	-	298	339	H
			* 9.166631	54.42	PK-U	36.2	-42.96	0	47.66	-	-	74	-26.34	287	135	V
			* 9.168408	42.88	ADR	36.2	-43.2	0.7	36.58	54	-17.42	-	-	287	135	V
			* 12.217231	53.06	PK-U	38.9	-40.7	0	51.26	-	-	74	-22.74	89	183	V
			* 12.216106	41.38	ADR	38.9	-40.79	0.7	40.19	54	-13.81	-	-	89	183	V
			3.053239	58.23	PK-U	33.1	-47.4	0	43.93	-	-	88.2	-44.27	315	232	H
			3.053364	46.7	ADR	33.1	-47.4	0.7	33.1	68.2	-35.1	-	-	315	232	H
			3.05524	46.69	ADR	33.1	-47.4	0.7	33.09	68.2	-35.11	-	-	1	103	V
			3.057004	58.67	PK-U	33.1	-47.5	0	44.27	-	-	88.2	-43.93	1	103	V
			* 9.391412	55.65	PK-U	36.3	-43.86	0	48.09	-	-	74	-25.91	295	219	H
			* 9.391206	43.83	ADR	36.3	-43.88	0.7	36.95	54	-17.05	-	-	295	219	H
			* 12.535652	53.38	PK-U	39	-41.57	0	50.81	-	-	74	-23.19	139	374	H
			* 12.535126	41.51	ADR	39	-41.51	0.7	39.7	54	-14.3	-	-	139	374	H
			* 9.389859	55.49	PK-U	36.3	-43.91	0	47.88	-	-	74	-26.12	182	222	V
			* 9.39034	43.84	ADR	36.3	-43.9	0.7	36.94	54	-17.06	-	-	182	222	V
	6265	6 + 5	* 12.549622	52.97	PK-U	39	-41.6	0	50.37	-	-	74	-23.63	329	374	V
			* 12.546882	41.49	ADR	39	-41.51	0.7	39.68	54	-14.32	-	-	329	374	V
			3.129179	46.78	ADR	33.1	-47.1	0.7	33.48	68.2	-34.72	-	-	57	246	V
			3.129518	58.4	PK-U	33.1	-47.1	0	44.4	-	-	88.2	-43.8	57	246	V
			3.132796	59.33	PK-U	33.1	-47	0	45.43	-	-	88.2	-42.77	106	102	H
			3.13305	46.74	ADR	33.1	-47	0.7	33.54	68.2	-34.66	-	-	106	102	H
			3.206622	46.03	ADR	33	-46.5	0.7	33.23	68.2	-34.97	-	-	43	190	V
			3.208031	57.98	PK-U	33	-46.5	0	44.48	-	-	88.2	-43.72	43	190	V
			3.209916	45.82	ADR	32.9	-46.5	0.7	32.92	68.2	-35.28	-	-	304	112	H
			3.212156	57.32	PK-U	32.9	-46.5	0	43.72	-	-	88.2	-44.48	304	112	H
			9.619801	43.91	ADR	36.8	-44.38	0.7	37.03	68.2	-31.17	-	-	165	191	H
			9.620552	55.52	PK-U	36.8	-44.4	0	47.92	-	-	88.2	-40.28	165	191	H
	6420	6 + 5	9.62708	44.11	ADR	36.8	-44.49	0.7	37.12	68.2	-31.08	-	-	344	317	V
			9.628231	55.84	PK-U	36.8	-44.4	0	48.24	-	-	88.2	-39.96	344	317	V
			12.837369	53.16	PK-U	39.1	-41.4	0	50.86	-	-	88.2	-37.34	100	103	V
			12.837545	41.59	ADR	39.1	-41.4	0.7	39.99	68.2	-28.21	-	-	100	103	V
			12.849277	53.2	PK-U	39.1	-41.5	0	50.8	-	-	88.2	-37.4	106	125	H
			12.849917	41.68	ADR	39.1	-41.5	0.7	39.98	68.2	-28.22	-	-	106	125	H

* - 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	* 8163.761	56.67	PK-U	35.9	-45.47	0	47.1	-	-	74	-26.9	80	343	H
			* 8148.974	44.94	ADR	35.9	-45.4	2.41	37.85	54	-16.15	-	-	80	343	H
			* 12195.91	56.89	PK-U	38.9	-44.11	0	51.68	-	-	74	-22.32	304	311	H
			* 12194.165	44.21	ADR	38.9	-44.12	2.41	41.4	54	-12.6	-	-	304	311	H
			* 17801.093	56.48	PK-U	41.1	-41.08	0	56.5	-	-	74	-17.5	219	265	H
			* 17833.488	43.83	ADR	41.2	-40.52	2.41	46.92	54	-7.08	-	-	219	265	H
			* 8127.468	56.22	PK-U	35.9	-45.11	0	47.01	-	-	74	-26.99	57	118	V
			* 8134.302	44.63	ADR	35.9	-45.23	2.41	37.71	54	-16.29	-	-	57	118	V
			* 12204.991	56.13	PK-U	38.9	-44.23	0	50.8	-	-	74	-23.2	93	191	V
			* 12194.992	44.05	ADR	38.9	-44.18	2.41	41.18	54	-12.82	-	-	93	191	V
			* 17810.743	56.34	PK-U	41.2	-40.91	0	56.63	-	-	74	-17.37	184	158	V
			* 17832.289	43.75	ADR	41.2	-40.65	2.41	46.71	54	-7.29	-	-	184	158	V
	6265	6 + 5	* 8308.357	56.33	PK-U	36	-45.01	0	47.32	-	-	74	-26.68	111	120	H
			* 8276.078	44.85	ADR	36	-44.86	2.41	38.4	54	-15.6	-	-	111	120	H
			* 12547.573	56.33	PK-U	38.9	-44.11	0	51.12	-	-	74	-22.88	330	249	H
			* 12529.588	44.57	ADR	38.8	-44.14	2.41	41.64	54	-12.36	-	-	330	249	H
			* 17932.783	55.25	PK-U	41.3	-40.67	0	55.88	-	-	74	-18.12	2	379	H
			* 17900.164	43.71	ADR	41.3	-40.21	2.41	47.21	54	-6.79	-	-	2	379	H
			* 8308.836	56.34	PK-U	36	-44.99	0	47.35	-	-	74	-26.65	74	210	V
			* 8273.853	44.75	ADR	36	-44.84	2.41	38.32	54	-15.68	-	-	74	210	V
			* 12526.758	56.36	PK-U	38.8	-44.14	0	51.02	-	-	74	-22.98	180	348	V
			* 12530.355	44.59	ADR	38.8	-44.13	2.41	41.67	54	-12.33	-	-	180	348	V
			* 17910.228	55.03	PK-U	41.3	-39.98	0	56.35	-	-	74	-17.65	238	228	V
			* 17913.893	43.26	ADR	41.3	-40.07	2.41	46.9	54	-7.1	-	-	238	228	V
	6420	6 + 5	* 2.23237	59.38	PK-U	31.4	-48.88	0	41.9	-	-	74	-32.1	0	199	H
			* 2.23036	47.6	ADR	31.4	-48.87	2.41	32.54	54	-21.46	-	-	0	199	H
			* 2.892153	58.42	PK-U	32.1	-47.57	0	42.95	-	-	74	-31.05	0	199	H
			* 2.893435	46.34	ADR	32.1	-47.56	2.41	33.29	54	-20.71	-	-	0	199	H
			* 4.560033	57.71	PK-U	33.9	-46.85	0	44.76	-	-	74	-29.24	0	199	V
			* 4.563027	45.62	ADR	33.9	-46.87	2.41	35.06	54	-18.94	-	-	0	199	V
			* 12.202083	56.09	PK-U	39	-43.16	0	51.93	-	-	74	-22.07	0	101	V
			* 12.204772	44.08	ADR	39	-43.18	2.41	42.31	54	-11.69	-	-	0	101	V
			10.042747	45.54	ADR	37.4	-44.83	2.41	40.52	68.2	-27.68	-	-	0	101	H
			10.044389	57.28	PK-U	37.4	-44.85	0	49.83	-	-	88.2	-38.37	0	101	H
			14.432739	57.41	PK-U	39.6	-43.01	0	54	-	-	88.2	-34.2	0	101	V
			14.433277	45.69	ADR	39.6	-43	2.41	44.7	68.2	-23.5	-	-	0	101	V
HDT4	6106	6 + 5	* 8127.168	56.48	PK-U	35.9	-45.12	0	47.26	-	-	74	-26.74	198	332	H
			* 8147.693	44.84	ADR	35.9	-45.36	0.29	35.67	54	-18.33	-	-	198	332	H
			* 12221.345	56.36	PK-U	38.9	-44.25	0	51.01	-	-	74	-22.99	42	395	H
			* 12226.15	44.87	ADR	38.9	-44.12	0.29	39.94	54	-14.06	-	-	42	395	H
			* 17816.537	55.42	PK-U	41.2	-40.72	0	55.9	-	-	74	-18.1	256	106	H
			* 17818.297	44.03	ADR	41.2	-40.64	0.29	44.88	54	-9.12	-	-	256	106	H
			* 8130.538	56.17	PK-U	35.9	-45.19	0	46.88	-	-	74	-27.12	209	103	V
			* 8137.115	44.78	ADR	35.9	-45.24	0.29	35.73	54	-18.27	-	-	209	103	V
			* 12230.069	55.99	PK-U	38.9	-44.19	0	50.7	-	-	74	-23.3	201	172	V
			* 12201.317	44.28	ADR	38.9	-44.14	0.29	39.33	54	-14.67	-	-	201	172	V
			* 17825.495	55.42	PK-U	41.2	-40.57	0	56.05	-	-	74	-17.95	11	153	V
			* 17832.182	44.1	ADR	41.2	-40.5	0.29	45.09	54	-8.91	-	-	11	153	V
	6265	6 + 5	* 8189.459	56.42	PK-U	35.9	-45.49	0	46.83	-	-	74	-27.17	144	192	H
			* 8185.243	45.07	ADR	35.9	-45.4	0.29	35.86	54	-18.14	-	-	144	192	H
			* 12530.145	56.76	PK-U	38.8	-44.14	0	51.42	-	-	74	-22.58	305	233	H
			* 12541.363	44.75	ADR	38.8	-44.12	0.29	39.72	54	-14.28	-	-	305	233	H
			* 17841.331	56.25	PK-U	41.2	-40.61	0	56.84	-	-	74	-17.16	294	124	H
			* 17856.934	44.28	ADR	41.2	-41.06	0.29	44.71	54	-9.29	-	-	294	124	H
			* 8186.858	56.77	PK-U	35.9	-45.44	0	47.23	-	-	74	-26.77	73	106	V
			* 8169.021	45.11	ADR	35.9	-45.44	0.29	35.86	54	-18.14	-	-	73	106	V
			* 12527.013	56.35	PK-U	38.8	-44.15	0	51	-	-	74	-23	357	308	V
			* 12547.351	44.64	ADR	38.9	-44.11	0.29	39.72	54	-14.28	-	-	357	308	V
			* 17827.523	56	PK-U	41.2	-40.53	0	56.67	-	-	74	-17.33	83	257	V
			* 17837.003	44.1	ADR	41.2	-40.62	0.29	44.97	54	-9.03	-	-	83	257	V
	6420	6 + 5	2.065583	58.84	PK-U	31.2	-48.5	0	41.54	-	-	88.2	-46.66	0	199	H
			2.066135	47.1	ADR	31.2	-48.5	0.29	30.09	68.2	-38.11	-	-	0	199	H
			2.647164	47.14	ADR	32.4	-48.39	0.29	31.44	68.2	-36.76	-	-	0	101	H
			2.648097	58.99	PK-U	32.4	-48.39	0	43	-	-	88.2	-45.2	0	101	H
			3.455467	56.05	PK-U	32.9	-45.77	0	43.18	-	-	88.2	-45.02	0	101	V
			3.456015	44.34	ADR	32.9	-45.79	0.29	31.74	68.2	-36.46	-	-	0	101	V
			10.363974	56.93	PK-U	37.6	-44.61	0	49.92	-	-	88.2	-38.28	0	198	H
			10.36483	45.27	ADR	37.6	-44.6	0.29	38.56	68.2	-29.64	-	-	0	198	H
			13.096656	46.65	ADR	39.3	-44.7	0.29	41.54	68.2	-26.66	-	-	0	198	V
			13.098688	58	PK-U	39.3	-44.7	0	52.6	-	-	88.2	-35.6	0	198	V
			15.168152	46.03	ADR	39.6	-43.12	0.29	42.8	68.2	-25.4	-	-	0	101	V
			15.169543	57.52	PK-U	39.6	-43.2	0	53.92	-	-	88.2	-34.28	0	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/ 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	* 4.162561	55.86	PK-U	33.5	-46.23	0	43.13	-	-	74	-30.87	360	200	V
			* 4.165881	44.3	ADR	33.5	-46.27	1.3	32.83	54	-21.17	-	-	360	200	V
			* 12.661926	56.57	PK-U	39.2	-43.79	0	51.98	-	-	74	-22.02	360	200	V
			* 12.660941	44.99	ADR	39.2	-43.76	1.3	41.73	54	-12.27	-	-	360	200	V
			* 15.512357	58.42	PK-U	40.1	-43.52	0	55	-	-	74	-19	360	200	V
			* 15.512346	46.52	ADR	40.1	-43.52	1.3	44.4	54	-9.6	-	-	360	200	V
			1.894084	46.13	ADR	31	-48.08	1.3	30.35	68.2	-37.85	-	-	360	200	H
			1.896873	57.9	PK-U	31	-48.09	0	40.81	-	-	88.2	-47.39	360	200	H
			3.177852	56.4	PK-U	33	-46.19	0	43.21	-	-	88.2	-44.99	360	101	H
			3.17956	44.92	ADR	33	-46.2	1.3	33.02	68.2	-35.18	-	-	360	101	H
			9.57172	45.66	ADR	36.8	-45.03	1.3	38.73	68.2	-29.47	-	-	360	200	H
			9.57185	58.12	PK-U	36.8	-45.04	0	49.88	-	-	88.2	-38.32	360	200	H
	6265	6 + 5	2.164113	61.61	PK-U	31.7	-50.38	0	42.93	-	-	88.2	-45.27	234	366	H
			2.161371	49.29	ADR	31.7	-50.32	1.3	31.97	68.2	-36.23	-	-	234	366	H
			2.15452	61.42	PK-U	31.7	-50.27	0	42.85	-	-	88.2	-45.35	214	274	V
			2.156538	49.32	ADR	31.7	-50.26	1.3	32.06	68.2	-36.14	-	-	214	274	V
			11.434717	55.62	PK-U	38	-44.58	0	49.04	-	-	74	-24.96	288	123	H
			11.454127	43.15	ADR	38.1	-44.13	1.3	38.42	54	-15.58	-	-	288	123	H
			17.169647	53.49	PK-U	41.3	-41.06	0	53.73	-	-	88.2	-34.47	59	225	H
			17.200624	41.79	ADR	41.4	-40.96	1.3	43.53	68.2	-24.67	-	-	59	225	H
			11.4267	55.22	PK-U	38	-44.64	0	48.58	-	-	74	-25.42	146	268	V
			11.43066	43.55	ADR	38	-44.66	1.3	38.19	54	-15.81	-	-	146	268	V
			17.199833	53.05	PK-U	41.4	-40.94	0	53.51	-	-	88.2	-34.69	334	393	V
			17.201657	41.4	ADR	41.4	-41.01	1.3	43.09	68.2	-25.11	-	-	334	393	V
	6420	6 + 5	* 17848.355	56.15	PK-U	41.2	-41.54	0	55.81	-	-	74	-18.19	92	199	H
			* 17835.587	44.39	ADR	41.2	-41.25	1.3	45.64	54	-8.36	-	-	92	199	H
			* 17825.868	56.16	PK-U	41.2	-41.17	0	56.19	-	-	74	-17.81	344	154	V
			* 17840.832	44.5	ADR	41.2	-41.3	1.3	45.7	54	-8.3	-	-	344	154	V
			8545.285	45.31	ADR	36	-45.92	1.3	36.69	68.2	-31.51	-	-	24	204	H
			8547.409	45.32	ADR	36	-45.92	1.3	36.7	68.2	-31.5	-	-	239	228	V
			8548.902	57.39	PK-U	36	-45.89	0	47.5	-	-	88.2	-40.7	24	204	H
			8561.16	56.92	PK-U	36	-46.08	0	46.84	-	-	88.2	-41.36	239	228	V
			12834.716	57.03	PK-U	39	-44.48	0	51.55	-	-	88.2	-36.65	279	240	H
			12842.102	44.87	ADR	39	-44.46	1.3	40.71	68.2	-27.49	-	-	279	240	H
			12842.591	56.34	PK-U	39	-44.48	0	50.86	-	-	88.2	-37.34	266	106	V
			12855.975	44.84	ADR	39	-44.58	1.3	40.56	68.2	-27.64	-	-	266	106	V
XHDPSS2	6106	6 + 5	* 8183.941	57.42	PK-U	35.9	-45.37	0	47.95	-	-	74	-26.05	24	355	H
			* 8188.012	45.57	ADR	35.9	-45.44	0	36.03	54	-17.97	-	-	24	355	H
			* 12205.802	56.13	PK-U	38.9	-44.22	0	50.81	-	-	74	-23.19	316	178	H
			* 12194.283	44.47	ADR	38.9	-44.13	0	39.24	54	-14.76	-	-	316	178	H
			* 17898.284	55.7	PK-U	41.3	-40.29	0	56.71	-	-	74	-17.29	101	353	H
			* 17891.475	43.83	ADR	41.2	-40.55	0	44.48	54	-9.52	-	-	101	353	H
			* 8194.714	56.73	PK-U	35.9	-45.44	0	47.19	-	-	74	-26.81	191	266	V
			* 8181.442	45.17	ADR	35.9	-45.41	0	35.66	54	-18.34	-	-	191	266	V
			* 12216.49	55.82	PK-U	38.9	-44.2	0	50.52	-	-	74	-23.48	113	177	V
			* 12193.616	44.52	ADR	38.9	-44.12	0	39.3	54	-14.7	-	-	113	177	V
			* 17891.34	55.78	PK-U	41.2	-40.56	0	56.42	-	-	74	-17.58	4	179	V
			* 17887.316	43.86	ADR	41.2	-40.77	0	44.29	54	-9.71	-	-	4	179	V
	6265	6 + 5	* 8350.548	56.5	PK-U	36	-45.16	0	47.34	-	-	74	-26.66	168	318	H
			* 8356.828	45.14	ADR	36	-45.19	0	35.95	54	-18.05	-	-	168	318	H
			* 12533.792	56.29	PK-U	38.8	-44.09	0	51	-	-	74	-23	44	152	H
			* 12546.392	44.64	ADR	38.8	-44.13	0	39.31	54	-14.69	-	-	44	152	H
			* 17993.887	55.22	PK-U	41.4	-40.22	0	56.4	-	-	74	-17.6	158	185	H
			* 17988.273	43.66	ADR	41.4	-40.05	0	45.01	54	-8.99	-	-	158	185	H
			* 8332.426	56.55	PK-U	36	-44.88	0	47.67	-	-	74	-26.33	326	147	V
			* 8349.981	45.06	ADR	36	-45.17	0	35.89	54	-18.11	-	-	326	147	V
			* 12543.377	56.17	PK-U	38.8	-44.15	0	50.82	-	-	74	-23.18	358	204	V
			* 12542.466	44.74	ADR	38.8	-44.16	0	39.38	54	-14.62	-	-	358	204	V
			* 17980.092	55.23	PK-U	41.3	-39.8	0	56.73	-	-	74	-17.27	292	359	V
			* 17996.683	43.89	ADR	41.4	-40.26	0	45.03	54	-8.97	-	-	292	359	V
	6420	6 + 5	2.158845	60.99	PK-U	31.7	-50.25	0	42.44	-	-	88.2	-45.76	315	228	H
			2.159431	49.54	ADR	31.7	-50.27	0	30.97	68.2	-37.23	-	-	315	228	H
			2.166949	61.41	PK-U	31.7	-50.39	0	42.72	-	-	88.2	-45.48	217	268	V
			2.159959	49.42	ADR	31.7	-50.29	0	30.83	68.2	-37.37	-	-	217	268	V
			10.712268	57.44	PK-U	37.7	-45.24	0	49.9	-	-	74	-24.1	47	103	H
			10.713212	45.2	ADR	37.7	-45.2	0	37.7	54	-16.3	-	-	47	103	H
			16.535593	54.12	PK-U	40.7	-42.53	0	52.29	-	-	88.2	-35.91	87	167	H
			16.537773	42.73	ADR	40.7	-42.51	0	40.92	68.2	-27.28	-	-	87	167	H
			10.705964	56.85	PK-U	37.7	-45.28	0	49.27	-	-	74	-24.73	182	165	V
			10.6996	45.29	ADR	37.7	-45.44	0	37.55	54	-16.45	-	-	182	165	V
			16.504786	54.98	PK-U	40.7	-42.52	0	53.16	-	-	88.2	-35.04	350	341	V
			16.536499	42.78	ADR	40.7	-42.52	0	40.96	68.2	-27.24	-	-	350	341	V

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

Pk - Peak detector

RMS - RMS detection

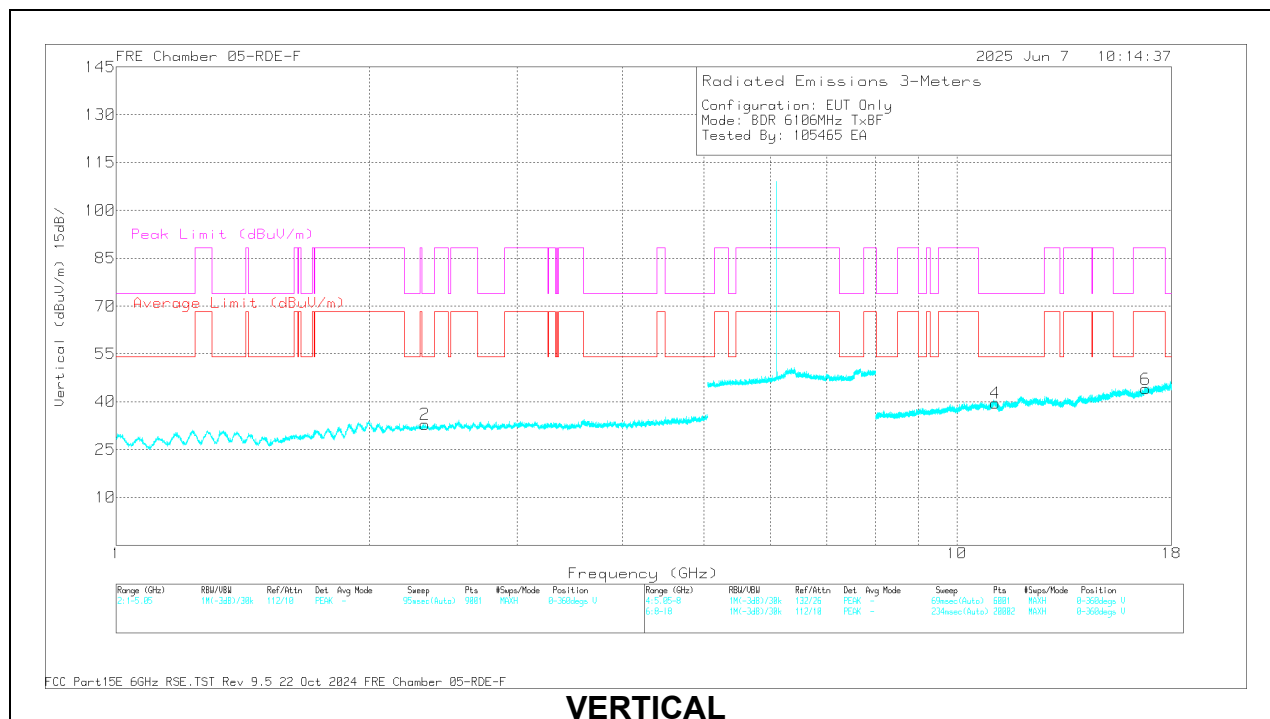
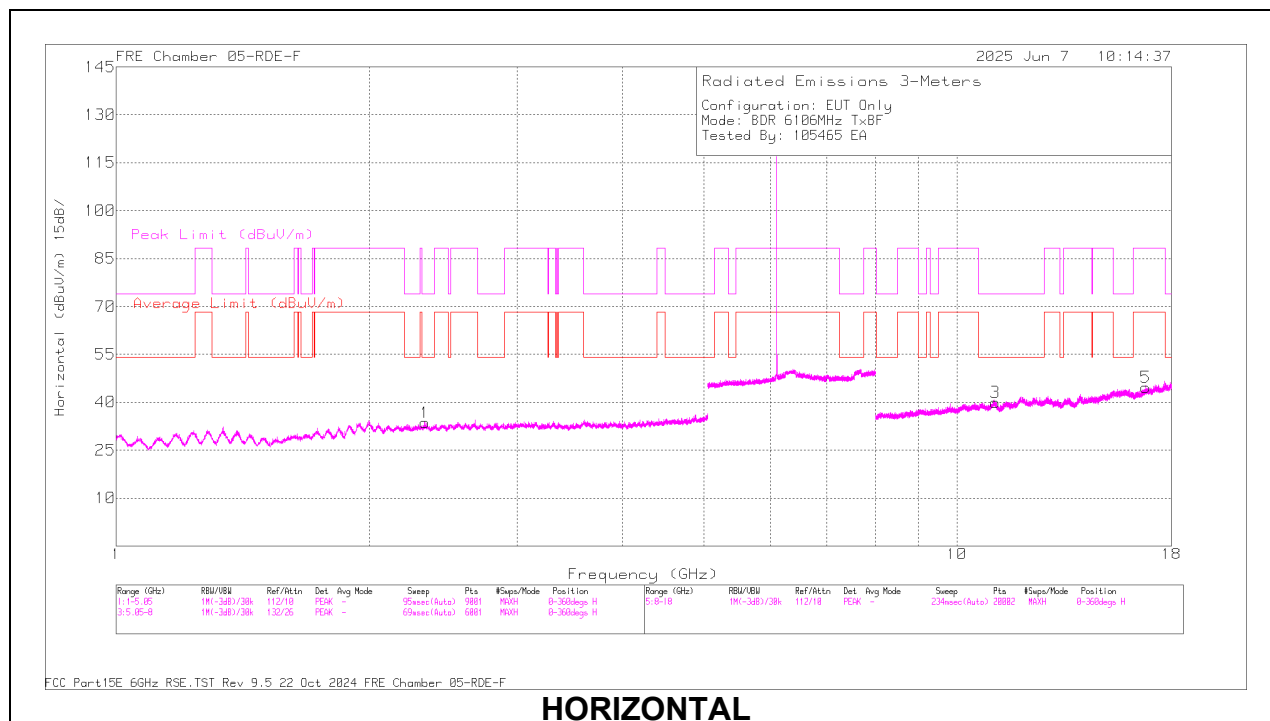
UNI-5 (MIMO TXBF)	Channel Frequency (MHz)	Ant. #	Frequency (GHz)	Meter Reading (dBuV)	Det	AF (dB/m)	Amp/Cbl/ Filt/Pad (dB)	DCCF (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
HDRPM8	6107	6 + 5	2.198505	61.12	PK-U	31.8	-50.27	0	42.65	-	-	88.2	-45.55	337	296	H
			2.215494	49.38	ADR	31.8	-50.29	0.3	31.19	54	-22.81	-	-	337	296	H
			2.220922	61.1	PK-U	31.8	-50.34	0	42.56	-	-	74	-31.44	292	263	V
			2.219042	49.31	ADR	31.8	-50.32	0.3	31.09	54	-22.91	-	-	292	263	V
			11.423931	55.83	PK-U	38	-44.61	0	49.22	-	-	74	-24.78	187	365	H
			11.444773	43.8	ADR	38.1	-44.4	0.3	37.8	54	-16.2	-	-	187	365	H
			16.87935	55.26	PK-U	41.2	-42.12	0	54.34	-	-	88.2	-33.86	111	271	H
			16.87993	43.38	ADR	41.2	-42.13	0.3	42.75	68.2	-25.45	-	-	111	271	H
			11.453059	55.83	PK-U	38.1	-44.15	0	49.78	-	-	74	-24.22	125	295	V
			11.452807	43.78	ADR	38.1	-44.15	0.3	38.03	54	-15.97	-	-	125	295	V
			16.869869	54.9	PK-U	41.2	-42.08	0	54.02	-	-	88.2	-34.18	284	187	V
			16.87666	42.98	ADR	41.2	-42.13	0.3	42.35	68.2	-25.85	-	-	284	187	V
	6265	6 + 5	2.095719	59.05	PK-U	31.9	-45.9	0	45.05	-	-	88.2	-43.15	97	329	H
			2.095993	47.31	ADR	31.9	-45.9	0.3	33.61	68.2	-34.59	-	-	97	329	H
			3.04938	57.36	PK-U	32.9	-45.8	0	44.46	-	-	88.2	-43.74	234	276	H
			3.049978	45.51	ADR	32.9	-45.8	0.3	32.91	68.2	-35.29	-	-	234	276	H
			2.089106	57.8	PK-U	31.9	-46.1	0	43.6	-	-	88.2	-44.6	259	351	V
			2.088802	46.4	ADR	31.9	-46.08	0.3	32.52	68.2	-35.68	-	-	259	351	V
			3.05067	56.93	PK-U	32.9	-45.8	0	44.03	-	-	88.2	-44.17	191	100	V
			3.050511	45.33	ADR	32.9	-45.8	0.3	32.73	68.2	-35.47	-	-	191	100	V
			* 12.550682	53.36	PK-U	38.7	-40.9	0	51.16	-	-	74	-22.84	14	223	H
			* 12.548185	41.18	ADR	38.7	-40.9	0.3	39.28	54	-14.72	-	-	14	223	H
			* 12.538439	53.04	PK-U	38.6	-40.8	0	50.84	-	-	74	-23.16	176	324	V
			* 12.540849	41.07	ADR	38.7	-40.7	0.3	39.37	54	-14.63	-	-	176	324	V
	6420	6 + 5	2.22308	61.48	PK-U	31.8	-50.37	0	42.91	-	-	74	-31.09	168	249	H
			2.214561	49.51	ADR	31.8	-50.3	0.3	31.31	54	-22.69	-	-	168	249	H
			2.225604	61.55	PK-U	31.8	-50.36	0	42.99	-	-	74	-31.01	325	307	V
			2.22152	49.64	ADR	31.8	-50.36	0.3	31.38	54	-22.62	-	-	325	307	V
			11.056613	56.45	PK-U	37.6	-44.04	0	50.01	-	-	74	-23.99	145	249	H
			11.075659	45.01	ADR	37.6	-43.94	0.3	38.97	54	-15.03	-	-	145	249	H
			17.295083	53.76	PK-U	41.4	-40.8	0	54.36	-	-	88.2	-33.84	343	360	H
			17.279077	42.26	ADR	41.4	-40.97	0.3	42.99	68.2	-25.21	-	-	343	360	H
			11.061125	56.6	PK-U	37.6	-43.95	0	50.25	-	-	74	-23.75	345	371	V
			11.055518	45	ADR	37.6	-44.08	0.3	38.82	54	-15.18	-	-	345	371	V
			17.261708	54.56	PK-U	41.4	-40.49	0	55.47	-	-	88.2	-32.73	17	237	V
			17.280042	42.58	ADR	41.4	-40.98	0.3	43.3	68.2	-24.9	-	-	17	237	V
XHDRPL16	6109	6 + 5	2.222182	61.81	PK-U	31.8	-50.37	0	43.24	-	-	74	-30.76	230	271	H
			2.213187	49.65	ADR	31.8	-50.3	0.2	31.35	54	-22.65	-	-	230	271	H
			2.205261	61.18	PK-U	31.8	-50.23	0	42.75	-	-	74	-31.25	11	229	V
			2.223156	49.48	ADR	31.8	-50.37	0.2	31.11	54	-22.89	-	-	11	229	V
			10.755517	56.36	PK-U	37.7	-45.37	0	48.69	-	-	74	-25.31	294	158	H
			10.761057	44.76	ADR	37.7	-45.2	0.2	37.46	54	-16.54	-	-	294	158	H
			15.402718	55.42	PK-U	40.7	-42.53	0	53.59	-	-	74	-20.41	349	249	H
			15.403802	43.46	ADR	40.7	-42.58	0.2	41.78	54	-12.22	-	-	349	249	H
			10.766227	57.35	PK-U	37.7	-45.18	0	49.87	-	-	74	-24.13	193	316	V
			10.755092	45.3	ADR	37.7	-45.38	0.2	37.82	54	-16.18	-	-	193	316	V
			15.397695	55.2	PK-U	40.6	-42.43	0	53.37	-	-	74	-20.63	235	197	V
			15.409998	42.91	ADR	40.8	-42.57	0.2	41.34	54	-12.66	-	-	235	197	V
	6265	6 + 5	* 8275.558	56.71	PK-U	36	-44.86	0	47.85	-	-	74	-26.15	300	110	H
			* 8286.99	45.2	ADR	36	-44.84	0.2	36.56	54	-17.44	-	-	300	110	H
			* 12528.675	56.3	PK-U	38.8	-44.12	0	50.98	-	-	74	-23.02	19	339	H
			* 12548.943	44.93	ADR	38.9	-44.05	0.2	39.98	54	-14.02	-	-	19	339	H
			* 17909.516	55.15	PK-U	41.3	-39.98	0	56.47	-	-	74	-17.53	7	171	H
			* 17882.177	43.98	ADR	41.2	-40.95	0.2	44.43	54	-9.57	-	-	7	171	H
			* 8285.358	56.28	PK-U	36	-44.8	0	47.48	-	-	74	-26.52	215	228	V
			* 8271.757	45.18	ADR	36	-44.83	0.2	36.55	54	-17.45	-	-	215	228	V
			* 12539.241	56.17	PK-U	38.8	-44.1	0	50.87	-	-	74	-23.13	128	174	V
			* 12528.667	44.57	ADR	38.8	-44.12	0.2	39.45	54	-14.55	-	-	128	174	V
			* 17917.756	55.58	PK-U	41.3	-40.09	0	56.79	-	-	74	-17.21	208	297	V
			* 17884.263	43.98	ADR	41.2	-40.92	0.2	44.46	54	-9.54	-	-	208	297	V
	6417	6 + 5	2.184417	61.38	PK-U	31.7	-50.34	0	42.74	-	-	88.2	-45.46	295	264	H
			2.156913	49.45	ADR	31.7	-50.26	0.2	31.09	68.2	-37.11	-	-	295	264	H
			2.165661	61.16	PK-U	31.7	-50.39	0	42.47	-	-	88.2	-45.73	359	101	V
			2.165892	49.4	ADR	31.7	-50.39	0.2	30.91	68.2	-37.29	-	-	359	101	V
			11.454444	54.96	PK-U	38.1	-44.1	0	48.96	-	-	74	-25.04	357	300	H
			11.480461	43.43	ADR	38.1	-44.06	0.2	37.67	54	-16.33	-	-	357	300	H
			16.655793	55.01	PK-U	40.9	-42.52	0	53.39	-	-	88.2	-34.81	263	263	H
			16.66318	43.33	ADR	40.9	-42.58	0.2	41.85	68.2	-26.35	-	-	263	263	H
			11.445856	55.34	PK-U	38.1	-44.37	0	49.07	-	-	74	-24.93	13	288	V
			11.455076	43.53	ADR	38.1	-44.05	0.2	37.78	54	-16.22	-	-	13	288	V
			16.648849	54.73	PK-U	40.9	-42.58	0	53.05	-	-	88.2	-35.15	138	339	V
			16.66536	43.23	ADR	40.9	-42.49	0.2	41.84	68.2	-26.36	-	-	138	339	V

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

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL / 6106MHz)



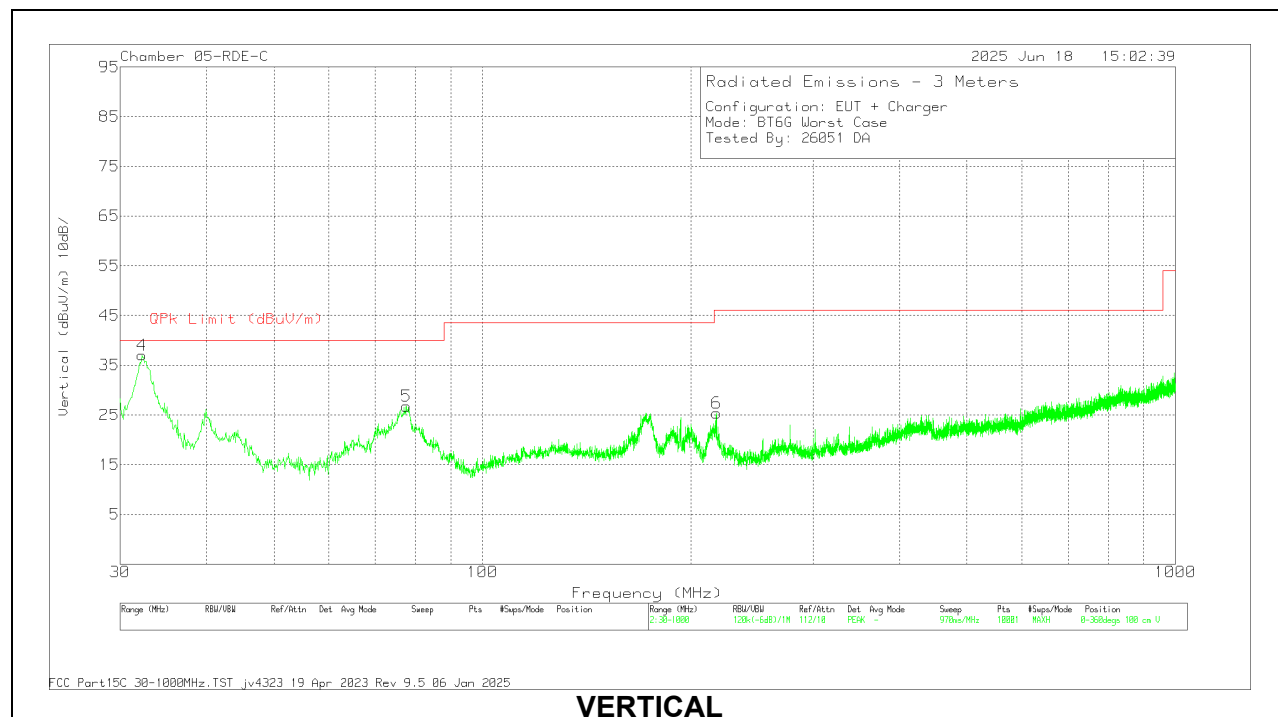
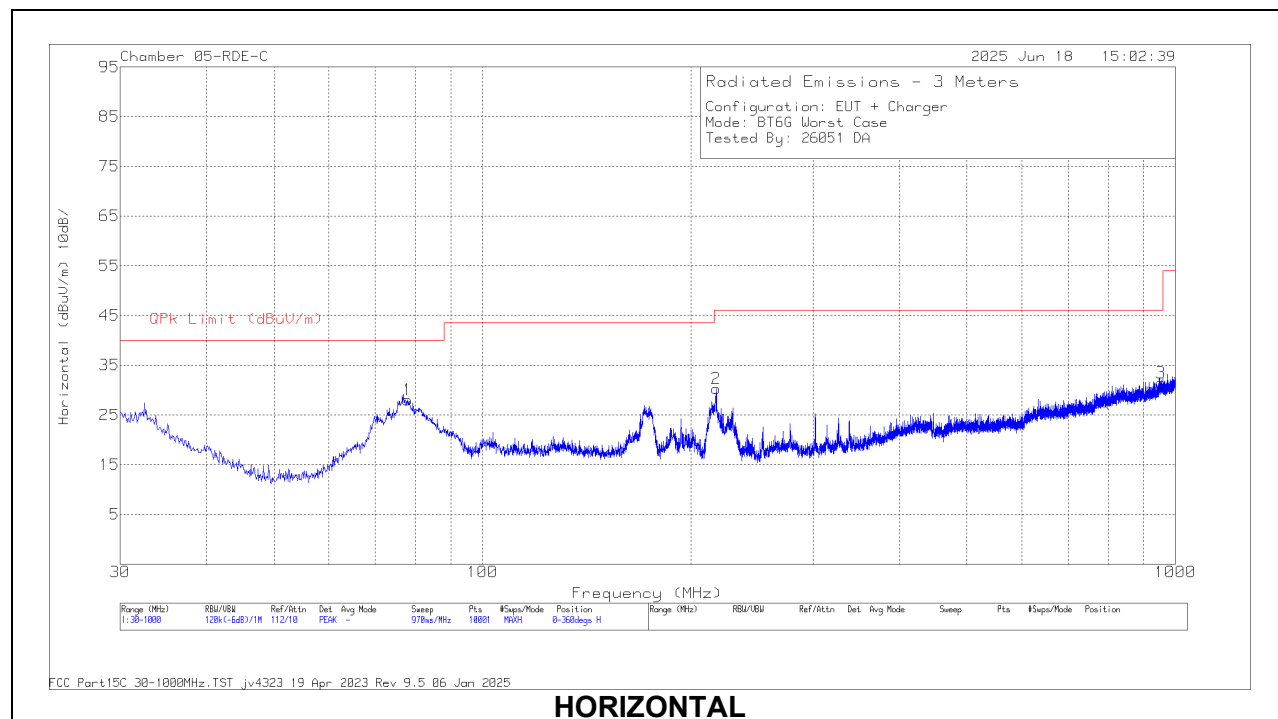
RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	230299 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.335933	60.97	PK-U	32.1	0	-49.98	43.09	-	-	74	-30.91	143	300	H
2.334222	48.9	ADR	32.1	1.15	-49.95	32.2	54	-21.8	-	-	143	300	H
2.313954	60.85	PK-U	32	0	-49.95	42.9	-	-	74	-31.1	246	147	V
2.328081	49.01	ADR	32.1	1.15	-49.94	32.32	54	-21.68	-	-	246	147	V
11.12022	56.42	PK-U	37.6	0	-43.74	50.28	-	-	74	-23.72	123	183	H
11.09735	44.18	ADR	37.6	1.15	-44.17	38.76	54	-15.24	-	-	123	183	H
16.780574	55.14	PK-U	41.1	0	-42.24	54	-	-	88.2	-34.2	163	263	H
16.78683	43.05	ADR	41.1	1.15	-42.21	43.09	68.2	-25.11	-	-	163	263	H
11.089483	56.78	PK-U	37.6	0	-44.12	50.26	-	-	74	-23.74	16	267	V
11.106665	44.32	ADR	37.6	1.15	-44.06	39.01	54	-14.99	-	-	16	267	V
16.775717	55	PK-U	41.1	0	-42.25	53.85	-	-	88.2	-34.35	190	249	V
16.773845	42.98	ADR	41.1	1.15	-42.23	43	68.2	-25.2	-	-	190	249	V

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

11.1. WORST CASE BELOW 1 GHz – HIGH POWER

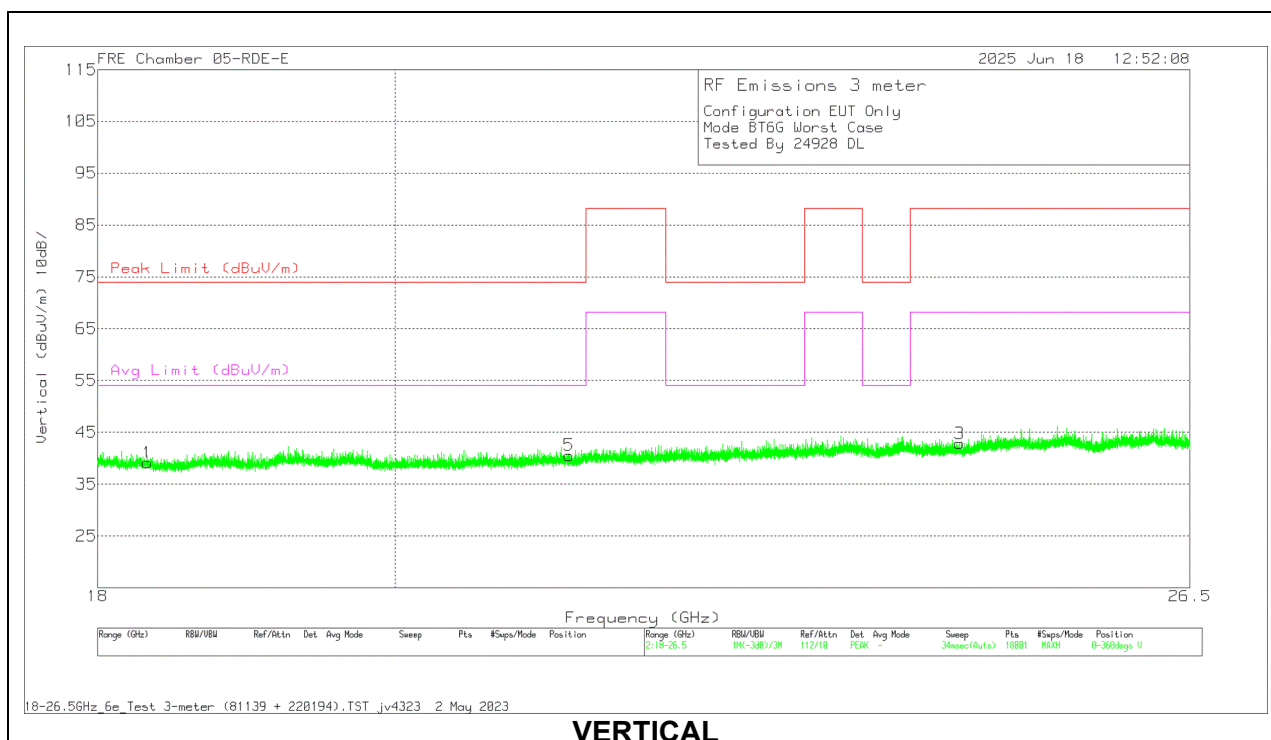
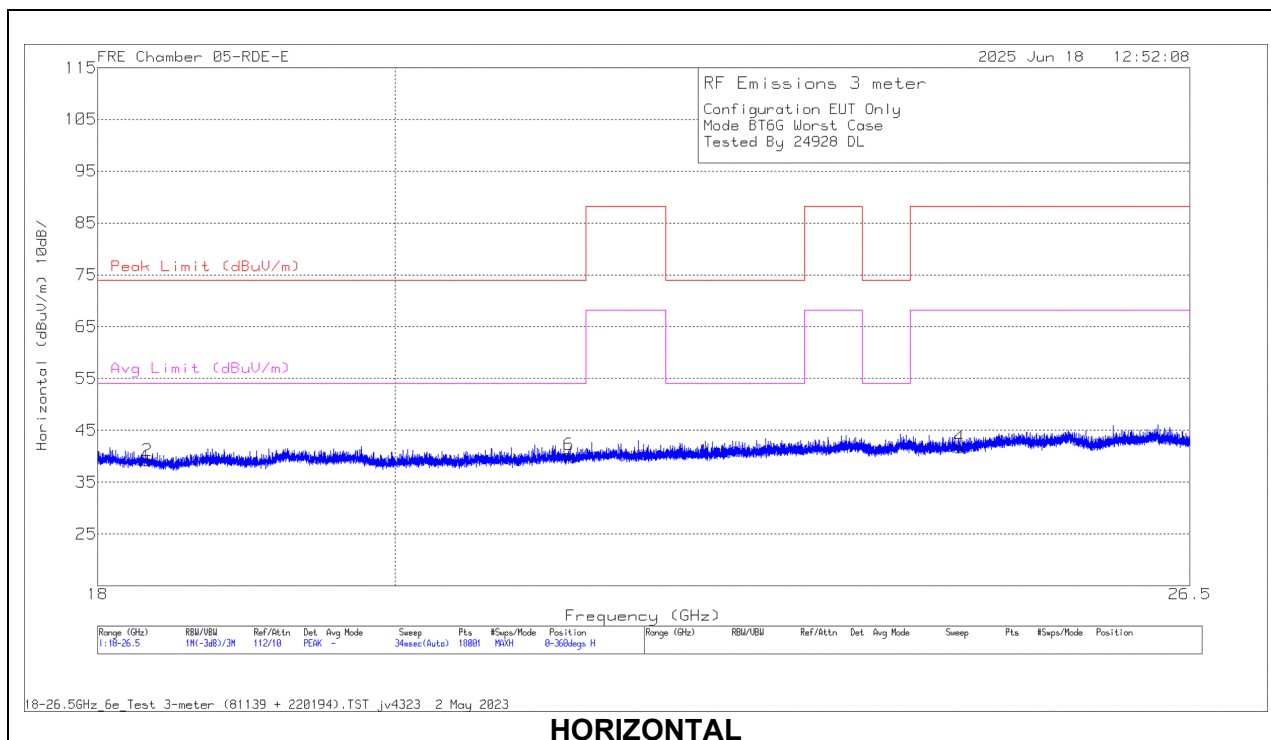


RADIATED EMISSIONS

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



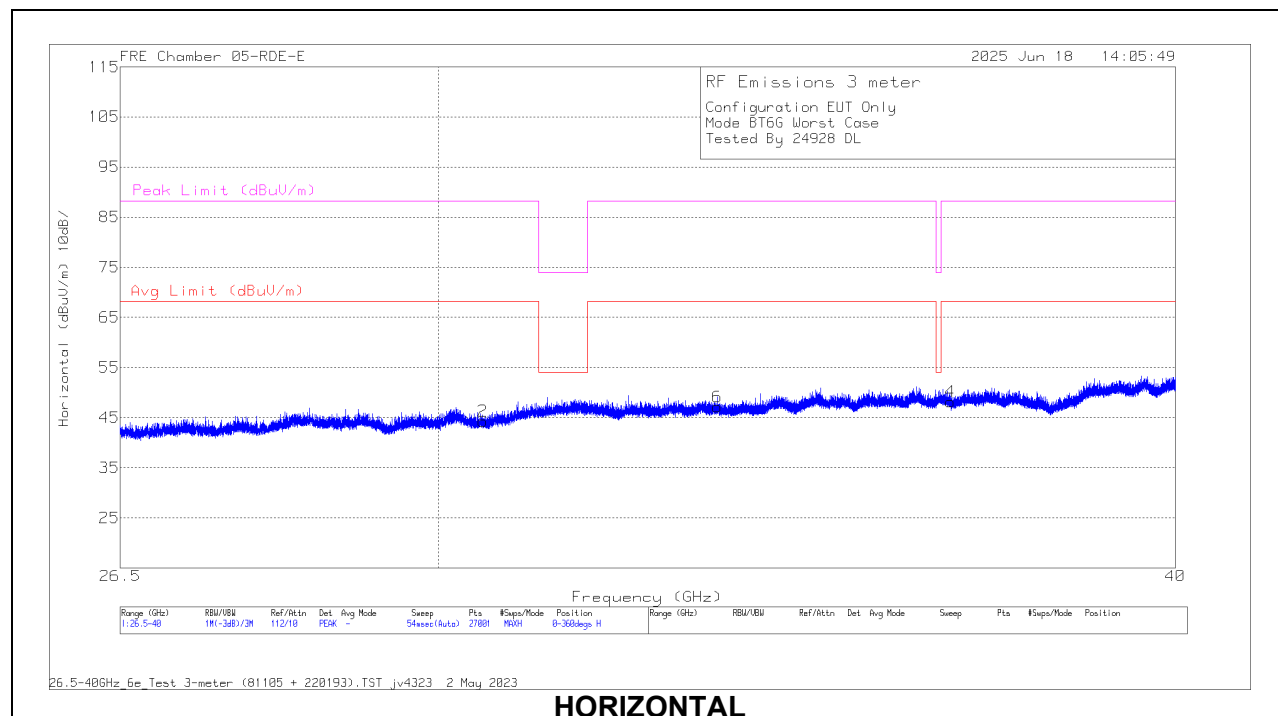
RADIATED EMISSIONS

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

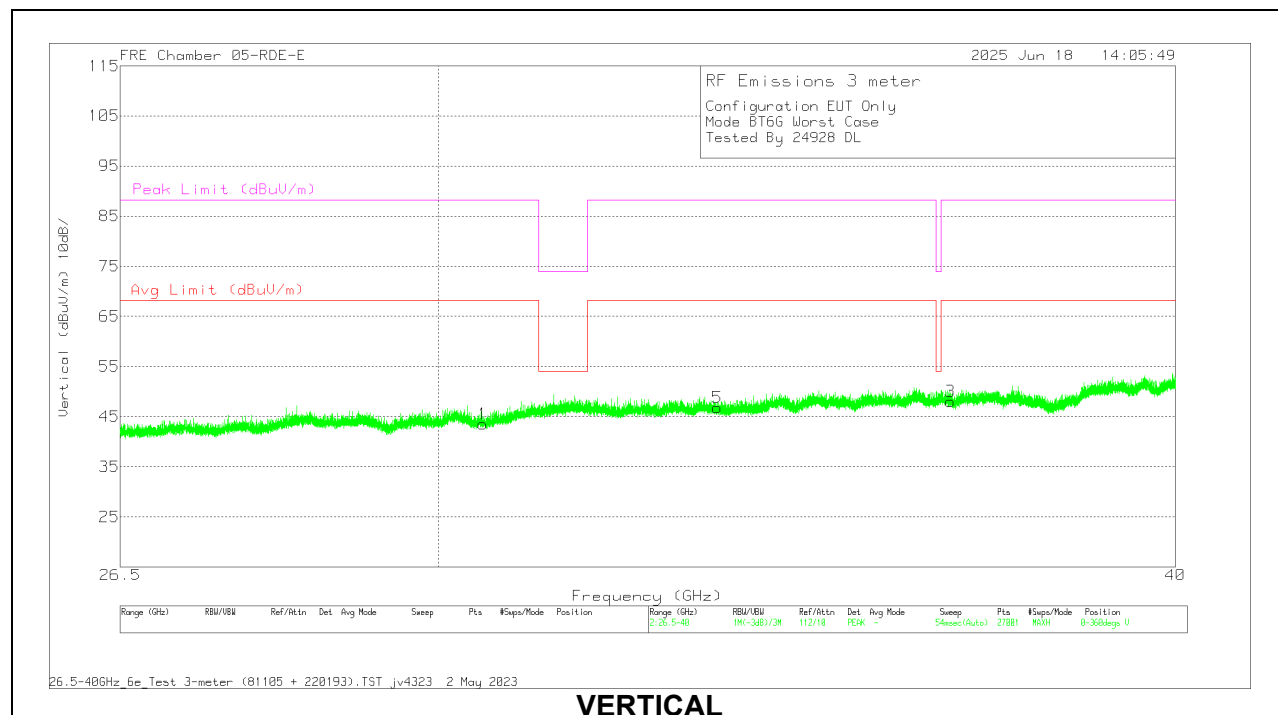
Range 2: Vertical 18 - 26.5GHz															
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81139 ACF (dB/m)	CBL/AMP (dB)	CBL (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 18.318278	45.69	Pk	32.4	-62.3	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



HORIZONTAL



VERTICAL

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.

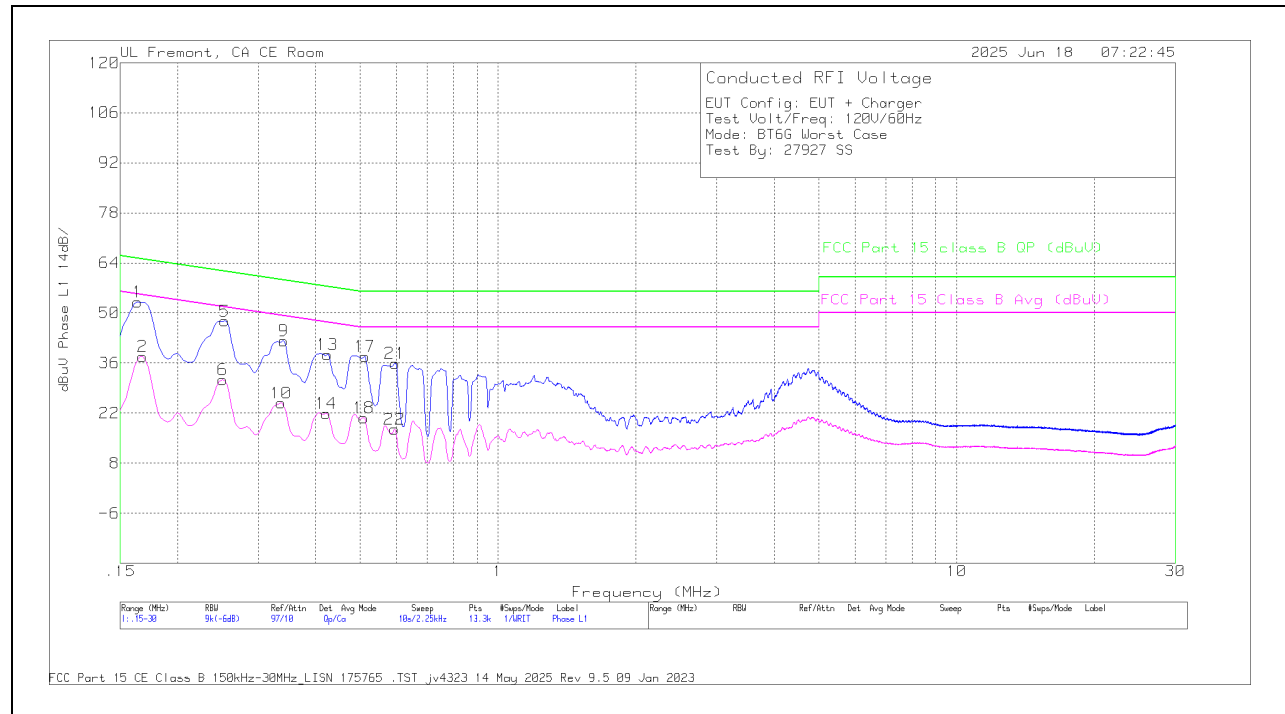
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

12.1. EUT WITH AC ADAPTER

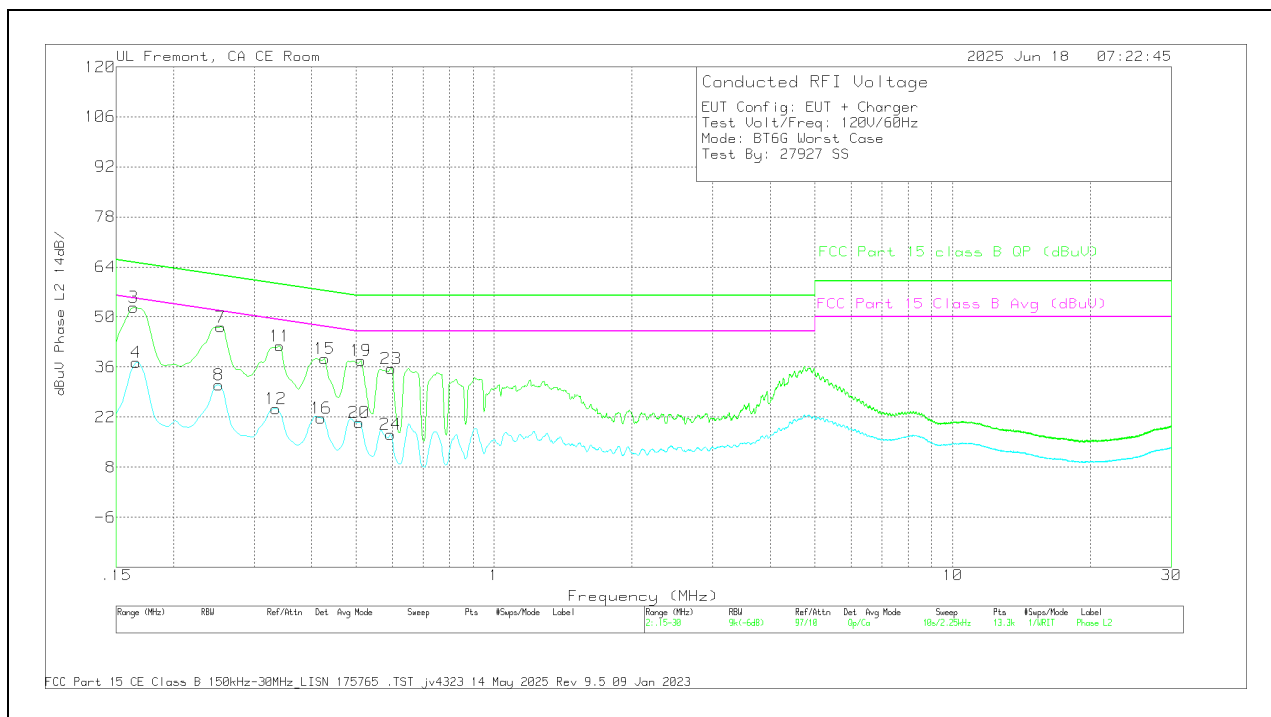
LINE 1 RESULTS



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

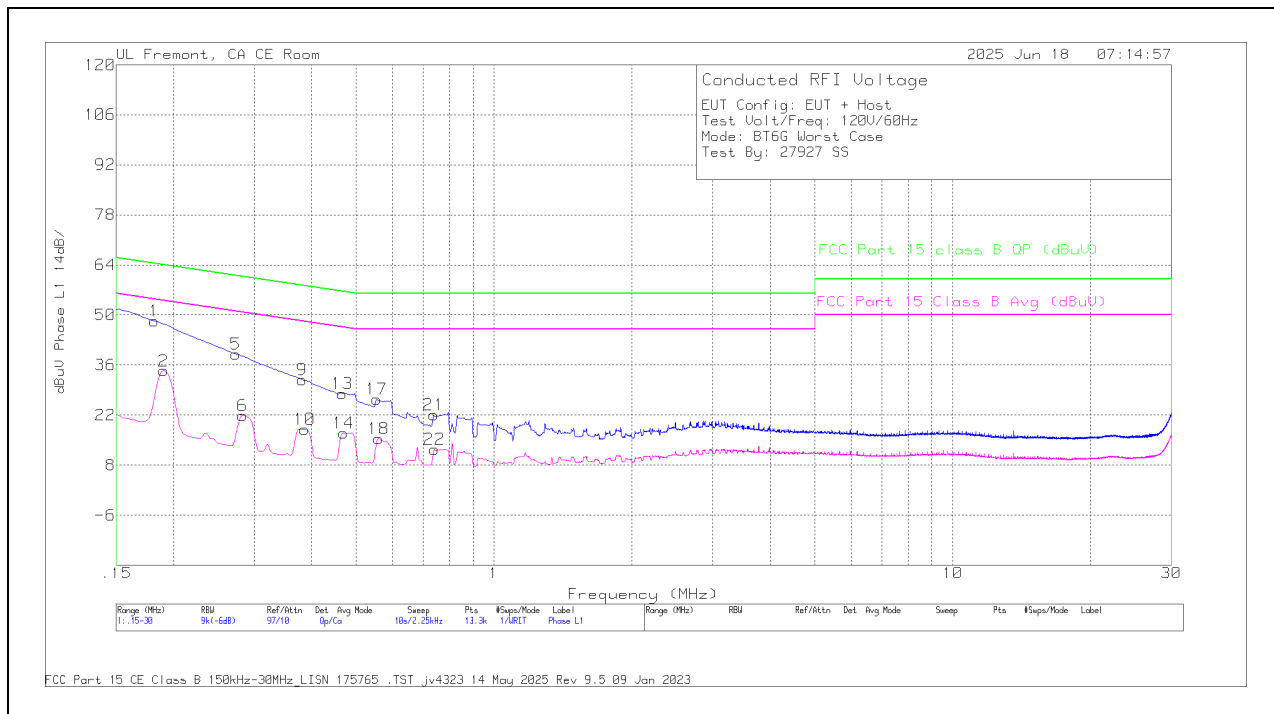


Range 2: Phase L2 15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Line 2 C3_C2_Limiter no Pad_UL (dB)	LISN (dB)	10dB Atten (dB)	DCCF (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
4	.1658	16.62	Ca	9.4	.1	10	1.15	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

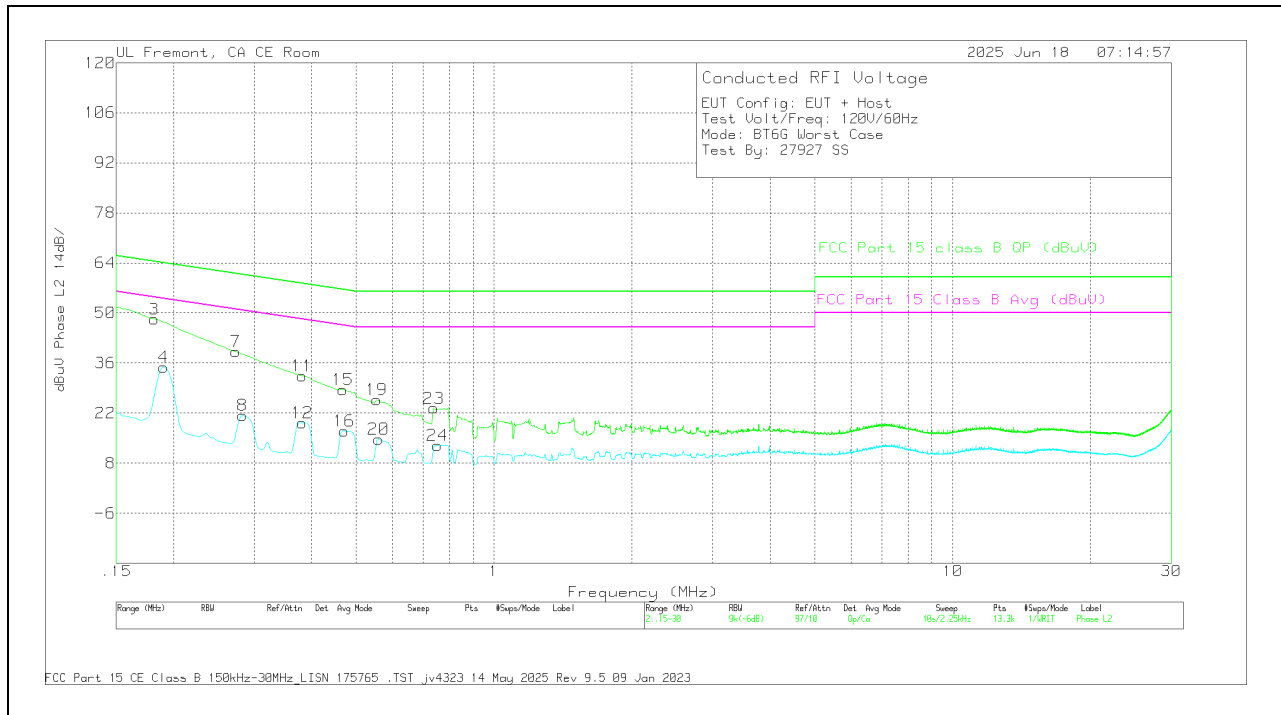
LINE 1 RESULTS



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.

END OF TEST REPORT