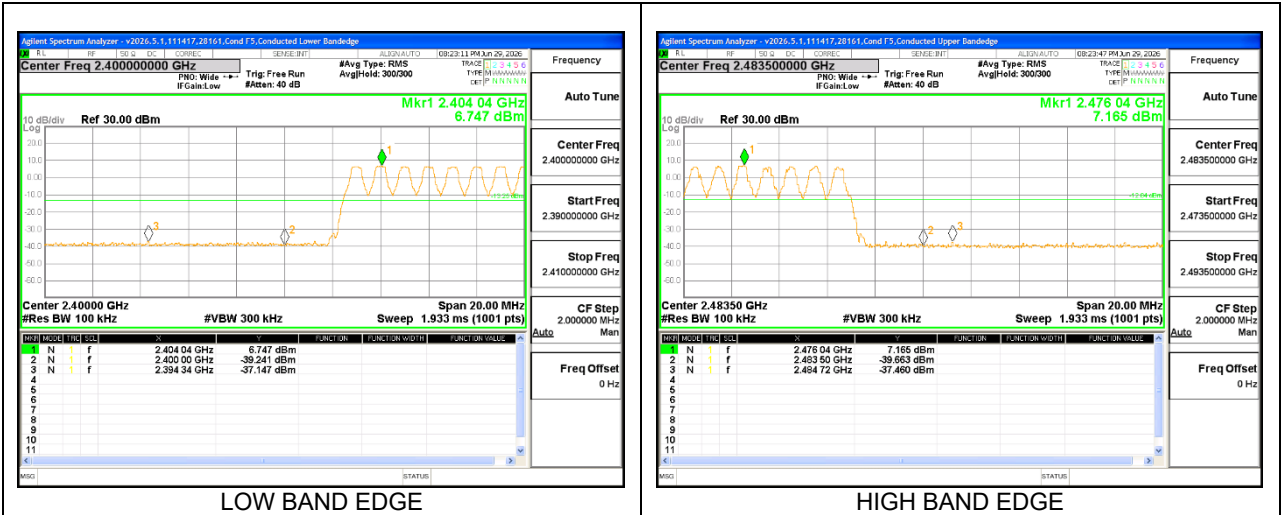
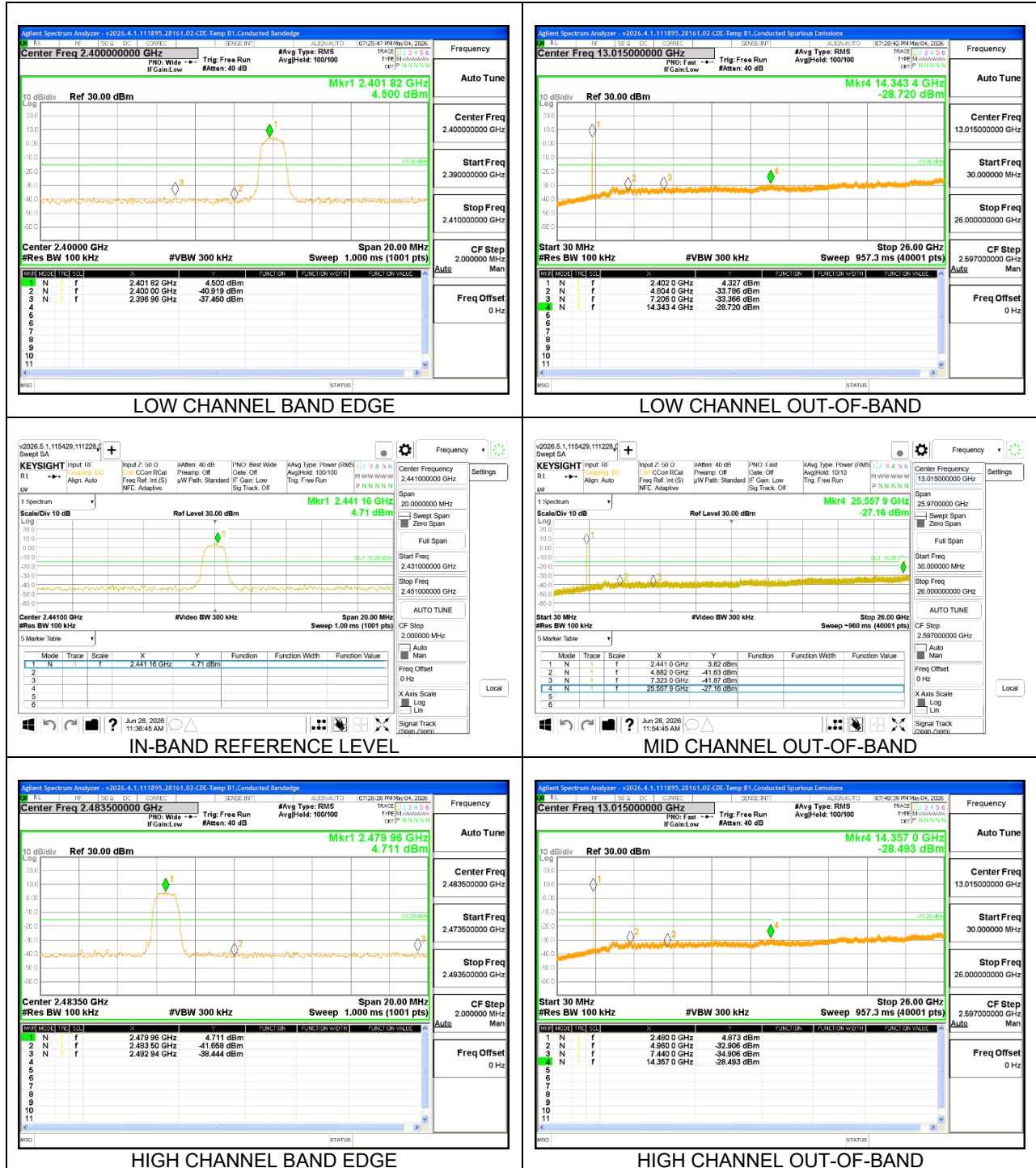


ANT 3 (HOPPING)

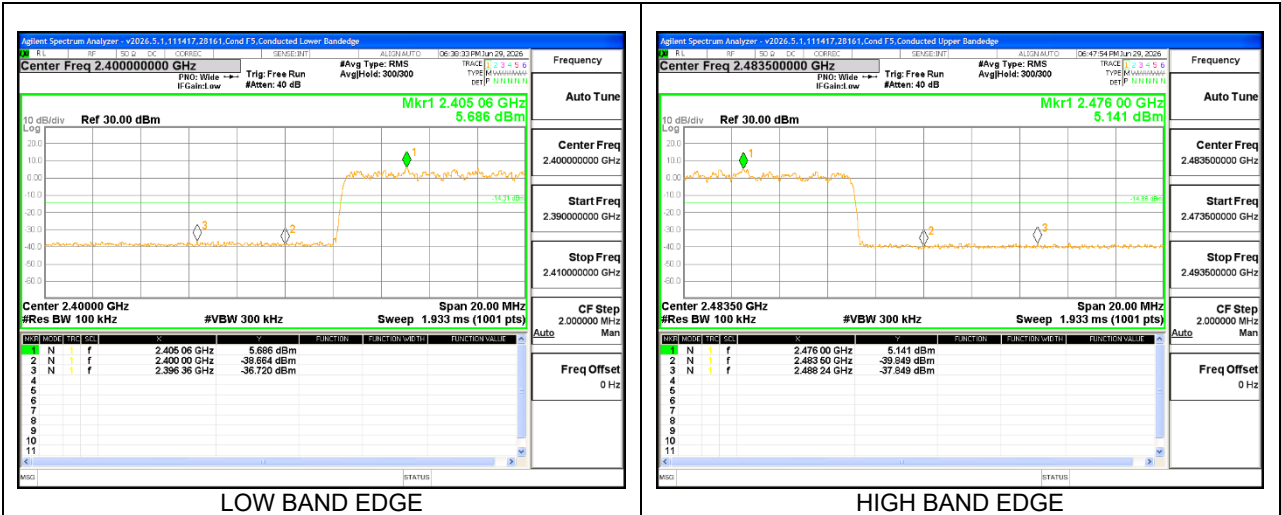


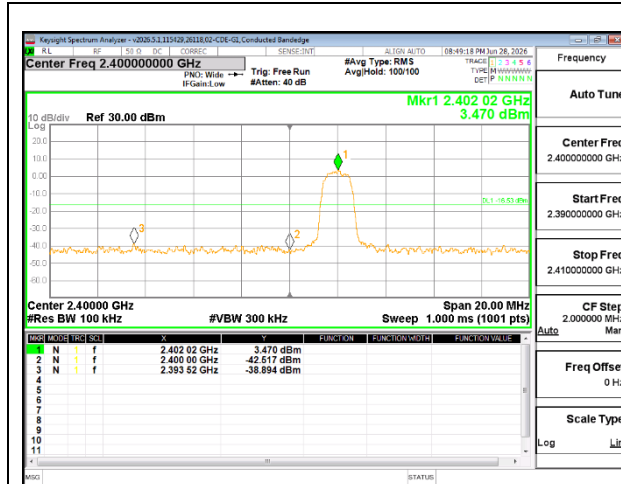
8.8.8. EDR (8PSK) – LOW POWER – SISO

ANT 4 (NON-HOPPING)

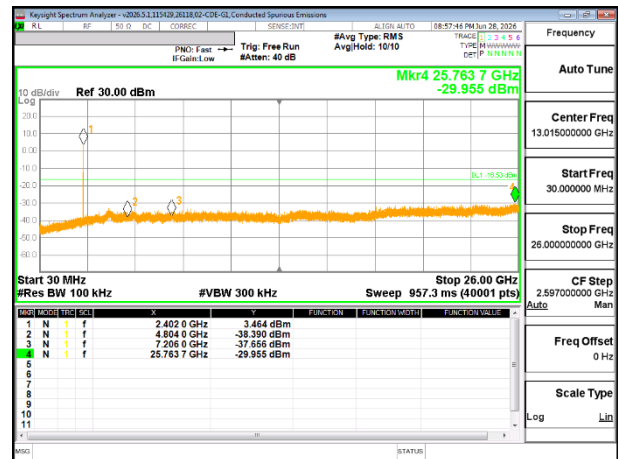


ANT 4 (HOPPING)

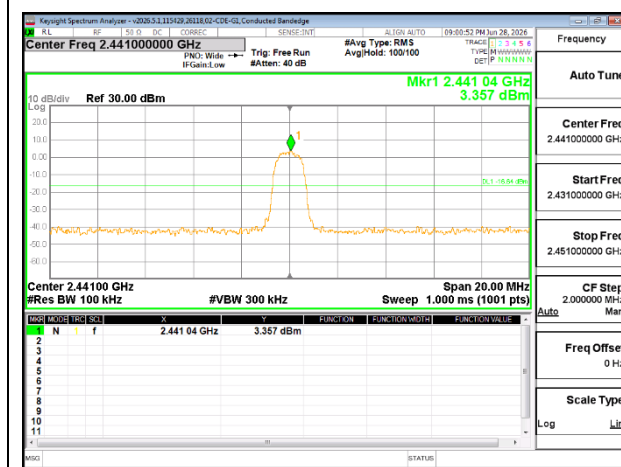


ANT 3 (NON-HOPPING)

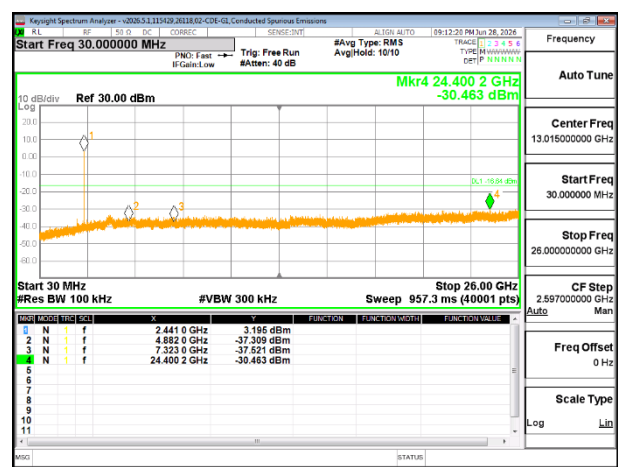
LOW CHANNEL BAND EDGE



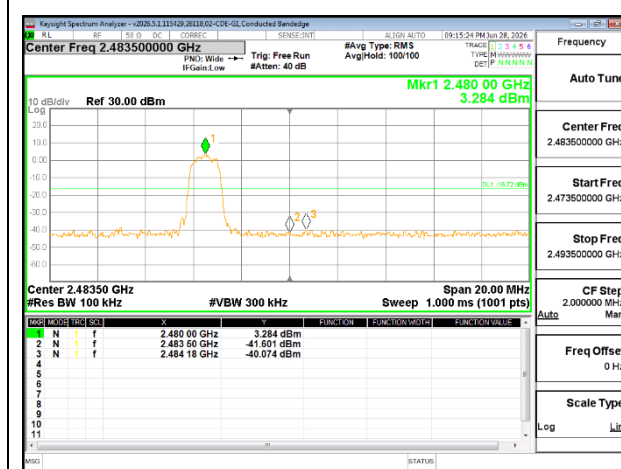
LOW CHANNEL OUT-OF-BAND



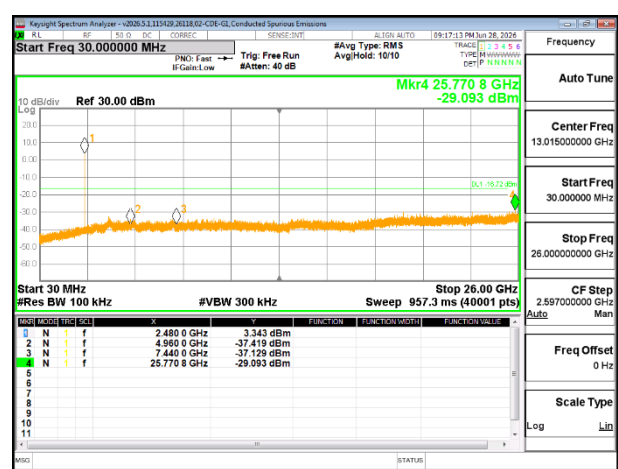
IN-BAND REFERENCE LEVEL



MID CHANNEL OUT-OF-BAND



HIGH CHANNEL BAND EDGE

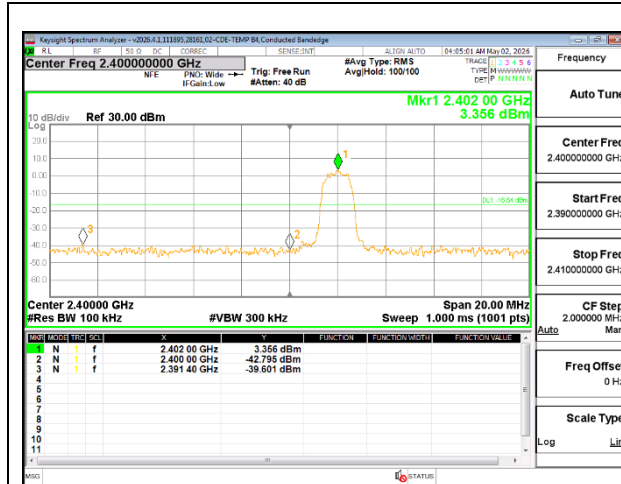


HIGH CHANNEL OUT-OF-BAND

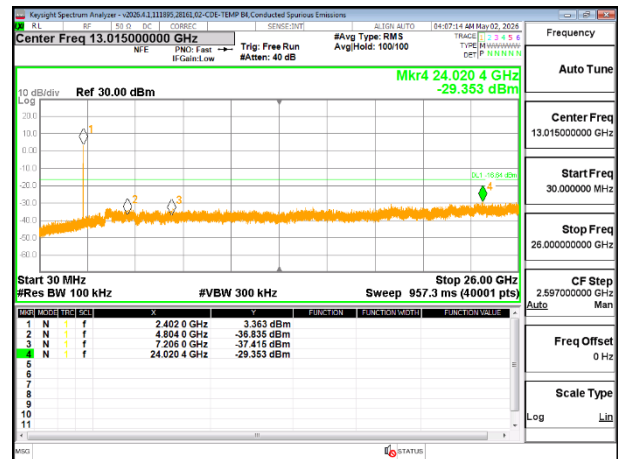
8.8.9. EDR (8PSK) – LOW POWER – MIMO TXBF

ANT 4 (NON-HOPPING)

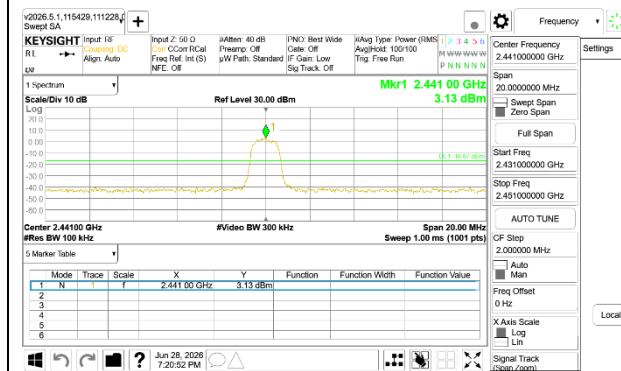


ANT 3 (NON-HOPPING)

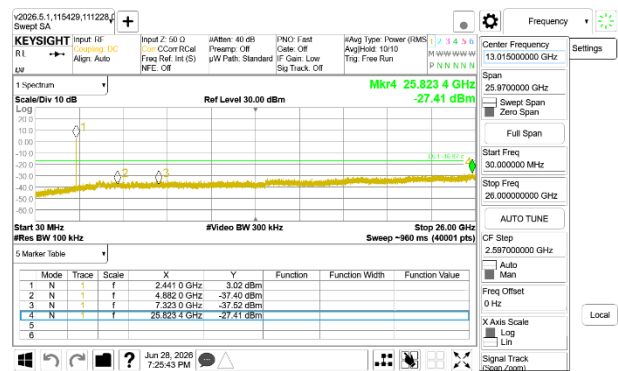
LOW CHANNEL BAND EDGE



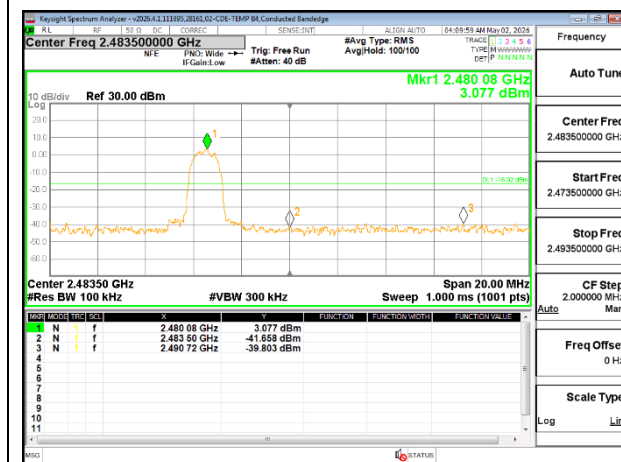
LOW CHANNEL OUT-OF-BAND



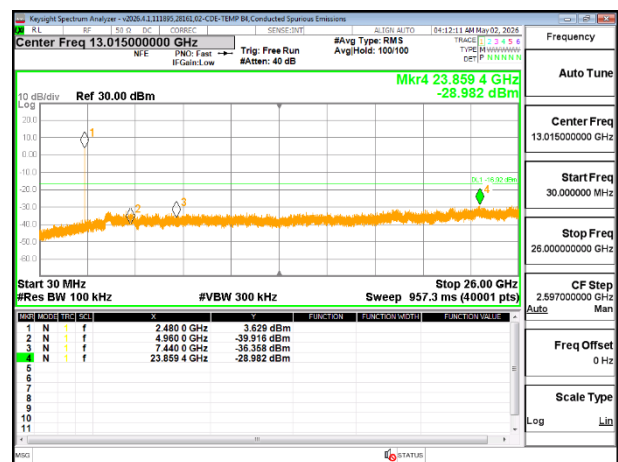
IN-BAND REFERENCE LEVEL



MID CHANNEL OUT-OF-BAND

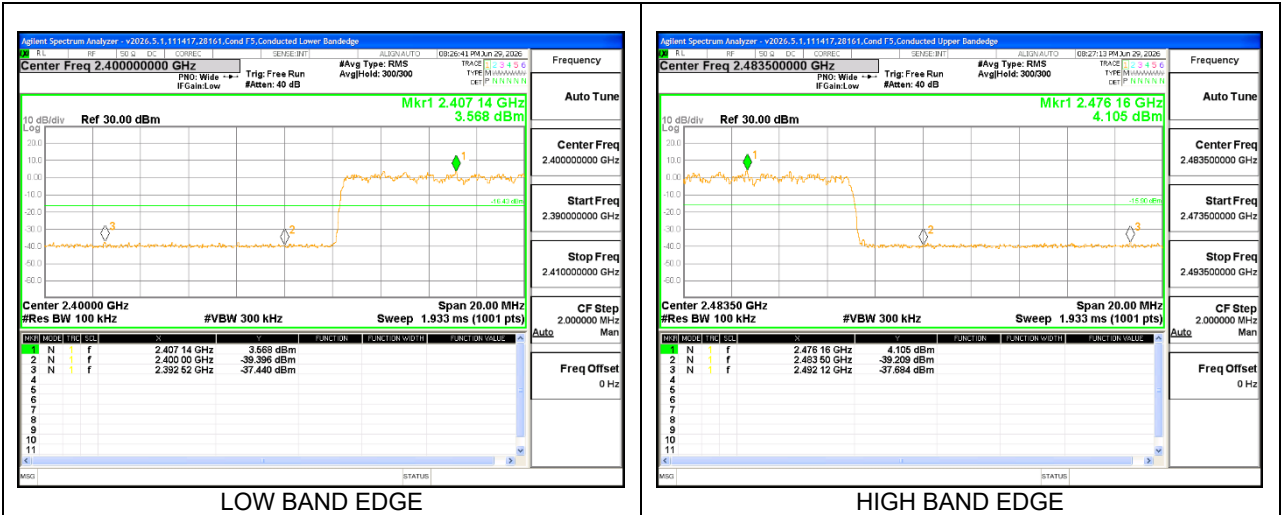


HIGH CHANNEL BAND EDGE



HIGH CHANNEL OUT-OF-BAND

ANT 3 (HOPPING)



8.8.10. BTCSM2 – LOW POWER – SISO

ANT 4 (NON-HOPPING)



ANT 3 (NON-HOPPING)

9. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209

RSS-GEN, Sections 8.9 and 8.10

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

Radiated Spurious Emissions above 1 GHz: ANSI C63.10 Section 6.3, 6.6 & 13

Radiated Band-edge: ANSI C63.10 Section 6.10.5 & 13

Radiated Spurious Emissions 30 - 1000 MHz: ANSI C63.10 Section 6.3, 6.5 & 13

Radiated Spurious Emissions Below 30 MHz: ANSI C63.10 Section 6.4 & 13

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1 GHz; 1.5 m above the ground plane for measurement above 1 GHz. 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 scans above 1 GHz, the resolution bandwidth is set to 1 MHz. The video bandwidth is then configured to 3 MHz for peak measurements. For average measurements, a 1 MHz resolution bandwidth is used together with a 1/T (500 Hz or 30 kHz) video bandwidth and a peak detector.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1 GHz and above 18 GHz emissions, the channel with the highest output power was tested.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

Note: The limits in CFR 47, Part 15, Subpart C, paragraph 15.209(a), are identical to those in RSS-Gen section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as report in the table) using free space impedance of 377 Ohms. For example, the measurement at frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to $Y-51.5 = Z$ dBuA/m, which has the same margin, W dB to the corresponding RSS-Gen Table 6 limit as it must 15.209(a) limit.

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

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

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

RESULTS

The plots in this section are for worst-case scenarios and provided to show the analyzer's settings.

9.1. TRANSMITTER ABOVE 1 GHz

9.1.1. LOW BAND EDGE – HIGH POWER – SISO

Mode (SISO)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR (GFSK)	2402	4	* 2.39	59.31	Pk	32.1	-37.6	53.81	-	-	74	-20.19	194	115	H
			* 2.34441	61.96	Pk	31.9	-37.6	56.26	-	-	74	-17.74	194	115	H
			* 2.39	47.18	VA1T	32.1	-37.6	41.68	54	-12.32	-	-	194	115	H
			* 2.388661	47.42	VA1T	32.1	-37.6	41.92	54	-12.08	-	-	194	115	H
			* 2.39	59.43	Pk	32.1	-37.6	53.93	-	-	74	-20.07	245	228	V
			* 2.379199	61.92	Pk	32.1	-37.6	56.42	-	-	74	-17.58	245	228	V
			* 2.39	46.81	VA1T	32.1	-37.6	41.31	54	-12.69	-	-	245	228	V
			* 2.386434	47.49	VA1T	32.1	-37.6	41.99	54	-12.01	-	-	245	228	V
		3	* 2.39	60.02	Pk	32.2	-37.08	55.14	-	-	74	-18.86	41	118	H
			* 2.376783	62.12	Pk	32.2	-37.11	57.21	-	-	74	-16.79	41	118	H
			* 2.39	47.55	VA1T	32.2	-37.08	42.67	54	-11.33	-	-	41	118	H
			* 2.389403	47.92	VA1T	32.2	-37.08	43.04	54	-10.96	-	-	41	118	H
			* 2.39	60.38	Pk	32.2	-37.08	55.5	-	-	74	-18.5	100	286	V
			* 2.385633	62.2	Pk	32.2	-37.11	57.29	-	-	74	-16.71	100	286	V
			* 2.39	47.33	VA1T	32.2	-37.08	42.45	54	-11.55	-	-	100	286	V
			* 2.389665	47.96	VA1T	32.2	-37.08	43.08	54	-10.92	-	-	100	286	V
EDR (8PSK)	2402	4	* 2.39	59.71	Pk	32.1	-37.6	54.21	-	-	74	-19.79	198	114	H
			* 2.38278	62.2	Pk	32.1	-37.6	56.7	-	-	74	-17.3	198	114	H
			* 2.39	47.02	VA1T	32.1	-37.6	41.52	54	-12.48	-	-	198	114	H
			* 2.389549	47.49	VA1T	32.1	-37.6	41.99	54	-12.01	-	-	198	114	H
			* 2.39	60.21	Pk	32.1	-37.6	54.71	-	-	74	-19.29	237	200	V
			* 2.318544	61.99	Pk	31.8	-37.6	56.19	-	-	74	-17.81	237	200	V
			* 2.39	47.26	VA1T	32.1	-37.6	41.76	54	-12.24	-	-	237	200	V
			* 2.387409	47.47	VA1T	32.1	-37.6	41.97	54	-12.03	-	-	237	200	V
		3	* 2.39	60.38	Pk	32.2	-37.08	55.5	-	-	74	-18.5	129	117	H
			* 2.38722	62.33	Pk	32.2	-37.1	57.43	-	-	74	-16.57	129	117	H
			* 2.39	47.23	VA1T	32.2	-37.08	42.35	54	-11.65	-	-	129	117	H
			* 2.387947	47.86	VA1T	32.2	-37.08	42.98	54	-11.02	-	-	129	117	H
			* 2.39	60.51	Pk	32.2	-37.08	55.63	-	-	74	-18.37	97	315	V
			* 2.379476	62.43	Pk	32.2	-37.14	57.49	-	-	74	-16.51	97	315	V
			* 2.39	47.54	VA1T	32.2	-37.08	42.66	54	-11.34	-	-	97	315	V
			* 2.389607	48.04	VA1T	32.2	-37.08	43.16	54	-10.84	-	-	97	315	V
BTCM2	2402	4	* 2.39	59.42	Pk	32.1	-37.6	53.92	-	-	74	-20.08	198	116	H
			* 2.355589	62.43	Pk	32	-37.6	56.83	-	-	74	-17.17	198	116	H
			* 2.39	46.55	VA1T	32.1	-37.6	41.05	54	-12.95	-	-	199	116	H
			* 2.351586	51.2	VA1T	32	-37.6	45.6	54	-8.4	-	-	199	116	H
			* 2.39	61.03	Pk	32.1	-37.6	55.53	-	-	74	-18.47	242	228	V
			* 2.333552	62.25	Pk	31.8	-37.6	56.45	-	-	74	-17.55	242	228	V
			* 2.39	46.93	VA1T	32.1	-37.6	41.43	54	-12.57	-	-	242	228	V
			* 2.365167	51.77	VA1T	32	-37.6	46.17	54	-7.83	-	-	242	228	V
		3	2.39	60.67	Pk	32.3	-38.55	54.42	-	-	74	-19.58	203	182	H
			2.361805	62.99	Pk	32.1	-38.64	56.45	-	-	74	-17.55	203	182	H
			2.39	49.96	VA1T	32.3	-38.55	43.71	54	-10.29	-	-	203	182	H
			2.371164	52.51	VA1T	32.2	-38.63	46.08	54	-7.92	-	-	203	182	H
			2.39	47.19	Pk	32.3	-25.87	53.62	-	-	74	-20.38	236	116	V
			2.387205	49.65	Pk	32.2	-25.92	55.93	-	-	74	-18.07	236	116	V
			2.39	34.72	VA1T	32.3	-25.87	41.15	54	-12.85	-	-	236	116	V
			2.348981	38.81	VA1T	32.1	-25.94	44.97	54	-9.03	-	-	236	116	V

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average $V_B=1/T_{on}$ where: T_{on} is transmit duration

9.1.2. LOW BAND EDGE – HIGH POWER – MIMO TXBF

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR (GFSK)	2402	4+3	* 2.39	60.79	Pk	32.1	-37.6	55.29	-	-	74	-18.71	292	142	H
			* 2.310146	62.24	Pk	31.9	-37.6	56.54	-	-	74	-17.46	292	142	H
			* 2.39	46.76	VA1T	32.1	-37.6	41.26	54	-12.74	-	-	292	142	H
			* 2.388908	47.26	VA1T	32.1	-37.6	41.76	54	-12.24	-	-	292	142	H
			* 2.39	59.42	Pk	32.1	-37.6	53.92	-	-	74	-20.08	89	255	V
			* 2.35476	62.27	Pk	32	-37.6	56.67	-	-	74	-17.33	89	255	V
			* 2.39	47.2	VA1T	32.1	-37.6	41.7	54	-12.3	-	-	89	255	V
EDR (8PSK)	2402	4+3	* 2.38834	47.38	VA1T	32.1	-37.6	41.88	54	-12.12	-	-	89	255	V
			* 2.39	59.41	Pk	32.1	-37.6	53.91	-	-	74	-20.09	294	127	H
			* 2.365837	61.96	Pk	32	-37.6	56.36	-	-	74	-17.64	294	127	H
			* 2.39	46.64	VA1T	32.1	-37.6	41.14	54	-12.86	-	-	294	127	H
			* 2.388544	47.28	VA1T	32.1	-37.6	41.78	54	-12.22	-	-	294	127	H
			* 2.39	60.01	Pk	32.1	-37.6	54.51	-	-	74	-19.49	91	197	V
			* 2.35326	61.57	Pk	32	-37.6	55.97	-	-	74	-18.03	91	197	V
			* 2.39	46.65	VA1T	32.1	-37.6	41.15	54	-12.85	-	-	91	197	V
			* 2.3854	47.26	VA1T	32.1	-37.6	41.76	54	-12.24	-	-	91	197	V

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

9.1.3. LOW BAND EDGE – LOW POWER – SISO

Mode (SISO)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR (GFSK)	2402	4	* 2.39	60.57	Pk	32.3	-38.55	54.32	-	-	74	-19.68	14	112	H
			* 2.322533	63.42	Pk	31.9	-38.67	56.65	-	-	74	-17.35	14	112	H
			* 2.39	47.76	VA1T	32.3	-38.55	41.51	54	-12.49	-	-	14	112	H
			* 2.377918	48.45	VA1T	32.2	-38.58	42.07	54	-11.93	-	-	14	112	H
			* 2.39	60.64	Pk	32.3	-38.55	54.39	-	-	74	-19.61	70	231	V
			* 2.379214	62.92	Pk	32.2	-38.58	56.54	-	-	74	-17.46	70	231	V
		3	* 2.39	47.82	VA1T	32.3	-38.55	41.57	54	-12.43	-	-	70	231	V
			* 2.388515	48.36	VA1T	32.3	-38.56	42.1	54	-11.9	-	-	70	231	V
			* 2.39	59.71	Pk	32.2	-37.08	54.83	-	-	74	-19.17	131	120	H
			* 2.367511	62.54	Pk	32.1	-37.11	57.53	-	-	74	-16.47	131	120	H
			* 2.39	47.16	VA1T	32.2	-37.08	42.28	54	-11.72	-	-	131	120	H
			* 2.388777	47.76	VA1T	32.2	-37.08	42.88	54	-11.12	-	-	131	120	H
			* 2.39	60.44	Pk	32.2	-37.08	55.56	-	-	74	-18.44	102	274	V
			* 2.316638	62.47	Pk	31.9	-37.05	57.32	-	-	74	-16.68	102	274	V
			* 2.39	47.61	VA1T	32.2	-37.08	42.73	54	-11.27	-	-	102	274	V
			* 2.388519	47.82	VA1T	32.2	-37.08	42.94	54	-11.06	-	-	102	274	V
EDR (8PSK)	2402	4	* 2.39	41.52	Pk	31.8	-19.4	53.92	-	-	74	-20.08	263	106	H
			* 2.320318	44.54	Pk	31.6	-19.2	56.94	-	-	74	-17.06	263	106	H
			* 2.39	28.79	VA1T	31.8	-19.4	41.19	54	-12.81	-	-	263	106	H
			* 2.360343	29.24	VA1T	31.7	-19.3	41.64	54	-12.36	-	-	263	106	H
			* 2.39	41.82	Pk	31.8	-19.4	54.22	-	-	74	-19.78	298	181	V
			* 2.320989	43.37	Pk	31.6	-19.2	55.77	-	-	74	-18.23	298	181	V
			* 2.39	29.09	VA1T	31.8	-19.4	41.49	54	-12.51	-	-	298	181	V
			* 2.321431	29.33	VA1T	31.6	-19.2	41.73	54	-12.27	-	-	298	181	V
		3	* 2.39	59.54	Pk	32.2	-37.08	54.66	-	-	74	-19.34	141	130	H
			* 2.352271	62.53	Pk	32	-37.09	57.44	-	-	74	-16.56	141	130	H
			* 2.39	47.27	VA1T	32.2	-37.08	42.39	54	-11.61	-	-	141	130	H
			* 2.389156	47.77	VA1T	32.2	-37.08	42.89	54	-11.11	-	-	141	130	H
			* 2.39	60.01	Pk	32.2	-37.08	55.13	-	-	74	-18.87	89	252	V
			* 2.386652	62.47	Pk	32.2	-37.1	57.57	-	-	74	-16.43	89	252	V
			* 2.39	47.75	VA1T	32.2	-37.08	42.87	54	-11.13	-	-	89	252	V
			* 2.386681	47.9	VA1T	32.2	-37.1	43	54	-11	-	-	89	252	V
BTCSM2	2402	4	* 2.39	47.17	Pk	32.3	-25.87	53.6	-	-	74	-20.4	15	115	H
			* 2.375720	50.23	Pk	32.2	-25.91	56.52	-	-	74	-17.48	15	115	H
			* 2.39	37.07	VA1T	32.3	-25.87	43.5	54	-10.5	-	-	15	115	H
			* 2.382387	38.85	VA1T	32.2	-25.87	45.18	54	-8.82	-	-	15	115	H
			* 2.39	48.16	Pk	32.3	-25.87	54.59	-	-	74	-19.41	69	229	V
			* 2.339927	50.05	Pk	32	-25.93	56.12	-	-	74	-17.88	69	229	V
			* 2.39	35.72	VA1T	32.3	-25.87	42.15	54	-11.85	-	-	69	229	V
			* 2.383057	39.04	VA1T	32.2	-25.88	45.36	54	-8.64	-	-	69	229	V
		3	* 2.39	47.24	Pk	32.3	-25.87	53.67	-	-	74	-20.33	283	201	H
			* 2.359418	50.21	Pk	32.1	-25.93	56.38	-	-	74	-17.62	283	201	H
			* 2.39	35.52	VA1T	32.3	-25.87	41.95	54	-12.05	-	-	283	201	H
			* 2.389840	38.94	VA1T	32.3	-25.87	45.37	54	-8.63	-	-	283	201	H
			* 2.39	47.21	Pk	32.3	-25.87	53.64	-	-	74	-20.36	239	116	V
			* 2.378937	49.6	Pk	32.2	-25.86	55.94	-	-	74	-18.06	239	116	V
			* 2.39	35.65	VA1T	32.3	-25.87	42.08	54	-11.92	-	-	239	116	V
			* 2.363290	39.39	VA1T	32.1	-25.94	45.55	54	-8.45	-	-	239	116	V

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

9.1.4. LOW BAND EDGE – LOW POWER – MIMO TXBF

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR (GFSK)	2402	4+3	* 2.39	59.58	Pk	32.1	-37.6	54.08	-	-	74	-19.92	296	174	H
			* 2.335095	62.25	Pk	31.8	-37.6	56.45	-	-	74	-17.55	296	174	H
			* 2.39	46.55	VA1T	32.1	-37.6	41.05	54	-12.95	-	-	296	174	H
			* 2.385153	47.09	VA1T	32.1	-37.6	41.59	54	-12.41	-	-	296	174	H
			* 2.39	59.68	Pk	32.1	-37.6	54.18	-	-	74	-19.82	92	255	V
			* 2.389054	61.46	Pk	32.1	-37.6	55.96	-	-	74	-18.04	92	255	V
			* 2.39	46.93	VA1T	32.1	-37.6	41.43	54	-12.57	-	-	92	255	V
			* 2.372605	47.24	VA1T	32.1	-37.6	41.74	54	-12.26	-	-	92	255	V
EDR (8PSK)	2402	4+3	* 2.39	59	Pk	32.1	-37.6	53.5	-	-	74	-20.5	295	141	H
			* 2.37703	61.77	Pk	32.1	-37.6	56.27	-	-	74	-17.73	295	141	H
			* 2.39	46.74	VA1T	32.1	-37.6	41.24	54	-12.76	-	-	295	141	H
			* 2.383362	47.13	VA1T	32.1	-37.6	41.63	54	-12.37	-	-	295	141	H
			* 2.39	59.58	Pk	32.1	-37.6	54.08	-	-	74	-19.92	89	247	V
			* 2.349112	62.03	Pk	31.9	-37.6	56.33	-	-	74	-17.67	89	247	V
			* 2.39	46.98	VA1T	32.1	-37.6	41.48	54	-12.52	-	-	89	247	V
			* 2.389287	47.29	VA1T	32.1	-37.6	41.79	54	-12.21	-	-	89	247	V

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

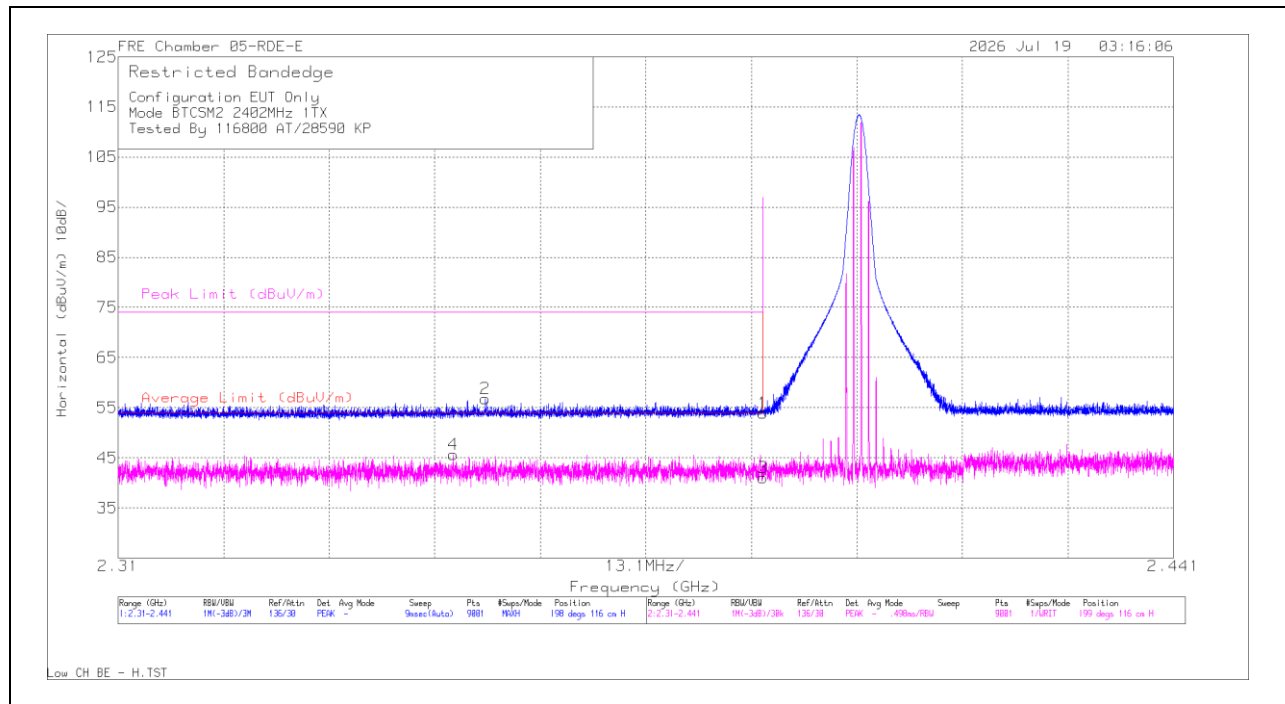
Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

9.1.5. LOW BAND EDGE – WORST-CASE

BTCSM2 / 2402 MHz / HIGH POWER / SISO ANT 4

HORIZONTAL RESULT



MEASURED DATA

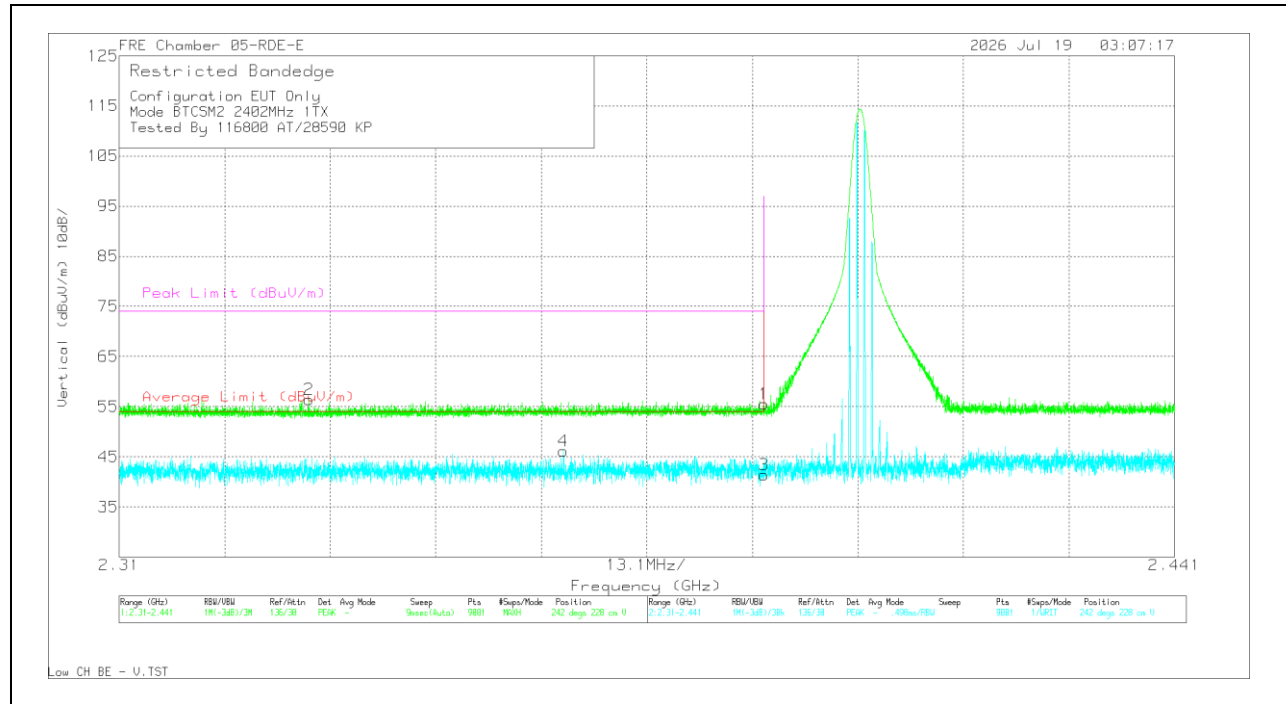
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206805 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	59.42	Pk	32.1	-37.6	53.92	-	-	74	-20.08	198	116	H
2	* 2.355589	62.43	Pk	32	-37.6	56.83	-	-	74	-17.17	198	116	H
3	* 2.39	46.55	VA1T	32.1	-37.6	41.05	54	-12.95	-	-	199	116	H
4	* 2.351586	51.2	VA1T	32	-37.6	45.6	54	-8.4	-	-	199	116	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



MEASURED DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206805 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.03	Pk	32.1	-37.6	55.53	-	-	74	-18.47	242	228	V
2	* 2.333552	62.25	Pk	31.8	-37.6	56.45	-	-	74	-17.55	242	228	V
3	* 2.39	46.93	VA1T	32.1	-37.6	41.43	54	-12.57	-	-	242	228	V
4	* 2.365167	51.77	VA1T	32	-37.6	46.17	54	-7.83	-	-	242	228	V

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

9.1.6. HIGH BAND EDGE – HIGH POWER – SISO

Mode (SISO)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR (GFSK)	2480	4	* 2.4835	62.14	Pk	32.2	-40.75	53.59	-	-	74	-20.41	342	330	H
			2.547699	63.83	Pk	32.4	-40.5	55.73	-	-	-	-	342	330	H
			* 2.4835	50.05	VA1T	32.2	-40.75	41.5	54	-12.5	-	-	342	330	H
			2.555982	50.51	VA1T	32.4	-40.5	42.41	-	-	-	-	342	330	H
			* 2.4835	62.04	Pk	32.2	-40.75	53.49	-	-	74	-20.51	88	238	V
			2.536	64.48	Pk	32.4	-40.7	56.18	-	-	-	-	88	238	V
			* 2.4835	50.64	VA1T	32.2	-40.75	42.09	54	-11.91	-	-	88	238	V
			2.555196	50.53	VA1T	32.4	-40.58	42.35	-	-	-	-	88	238	V
		3	* 2.4835	61.48	Pk	32.4	-36.91	56.97	-	-	74	-17.03	131	127	H
			2.508631	62.24	Pk	32.5	-36.9	57.84	-	-	-	-	131	127	H
			* 2.4835	48.9	VA1T	32.4	-36.91	44.39	54	-9.61	-	-	131	127	H
			* 2.483688	48.92	VA1T	32.4	-36.9	44.42	54	-9.58	-	-	131	127	H
			* 2.4835	60.94	Pk	32.4	-36.91	56.43	-	-	74	-17.57	131	127	V
			2.504157	62.37	Pk	32.5	-36.95	57.92	-	-	-	-	131	127	V
			* 2.4835	47.99	VA1T	32.4	-36.91	43.48	54	-10.52	-	-	131	127	V
			2.55323	48.6	VA1T	32.3	-36.72	44.18	-	-	-	-	131	127	V
EDR (8PSK)	2480	4	* 2.4835	73.33	Pk	32.2	-40.75	64.78	-	-	74	-9.22	219	238	H
			* 2.483634	72.93	Pk	32.2	-40.74	64.39	-	-	74	-9.61	219	238	H
			* 2.4835	54.43	VA1T	32.2	-40.75	45.88	54	-8.12	-	-	219	238	H
			* 2.483512	54.64	VA1T	32.2	-40.75	46.09	54	-7.91	-	-	219	238	H
			* 2.4835	76.45	Pk	32.2	-40.75	67.9	-	-	74	-6.1	81	239	V
			* 2.483512	77.13	Pk	32.2	-40.75	68.58	-	-	74	-5.42	81	239	V
			* 2.4835	51.54	VA1T	32.2	-40.75	42.99	54	-11.01	-	-	81	239	V
			* 2.483783	55.03	VA1T	32.2	-40.72	46.51	54	-7.49	-	-	81	239	V
		3	* 2.4835	67.55	Pk	32.4	-36.91	63.04	-	-	74	-10.96	56	167	H
			* 2.483525	67.86	Pk	32.4	-36.9	63.36	-	-	74	-10.64	56	167	H
			* 2.4835	49.6	VA1T	32.4	-36.91	45.09	54	-8.91	-	-	56	167	H
			* 2.483512	49.27	VA1T	32.4	-36.9	44.77	54	-9.23	-	-	56	167	H
			* 2.4835	69.27	Pk	32.4	-36.91	64.76	-	-	74	-9.24	81	265	V
			* 2.483525	70.12	Pk	32.4	-36.9	65.62	-	-	74	-8.38	81	265	V
			* 2.4835	49.84	VA1T	32.4	-36.91	45.33	54	-8.67	-	-	81	265	V
			* 2.483552	50.46	VA1T	32.4	-36.9	45.96	54	-8.04	-	-	81	265	V
BTCSM2	2480	4	* 2.4835	77.3	Pk	32.2	-40.75	68.75	-	-	74	-5.25	230	239	H
			* 2.483512	77.57	Pk	32.2	-40.75	69.02	-	-	74	-4.98	230	239	H
			* 2.4835	49.79	VA1T	32.2	-40.75	41.24	54	-12.76	-	-	230	239	H
			2.533913	54.33	VA1T	32.4	-40.69	46.04	-	-	-	-	230	239	H
			* 2.4835	67.5	Pk	32.2	-40.75	58.95	-	-	74	-15.05	284	377	V
			* 2.484	67.59	Pk	32.2	-40.7	59.09	-	-	74	-14.91	284	377	V
			* 2.4835	53.19	VA1T	32.2	-40.75	44.64	54	-9.36	-	-	284	377	V
			* 2.487321	54.41	VA1T	32.2	-40.87	45.74	54	-8.26	-	-	284	377	V
		3	* 2.4835	65.3	Pk	32.6	-37.6	60.3	-	-	74	-13.7	24	268	H
			* 2.483607	65.37	Pk	32.6	-37.6	60.37	-	-	74	-13.63	24	268	H
			* 2.4835	50.24	VA1T	32.6	-37.6	45.24	54	-8.76	-	-	24	268	H
			2.54408	52.87	VA1T	32.7	-37.6	47.97	-	-	-	-	24	268	H
			* 2.4835	66.39	Pk	32.6	-37.6	61.39	-	-	74	-12.61	71	112	V
			* 2.483634	66.09	Pk	32.6	-37.6	61.09	-	-	74	-12.91	71	112	V
			* 2.4835	49.51	VA1T	32.6	-37.6	44.51	54	-9.49	-	-	71	112	V
			2.513497	52.51	VA1T	32.8	-37.6	47.71	-	-	-	-	71	112	V

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

9.1.7. HIGH BAND EDGE – HIGH POWER – MIMO TXBF

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR (GFSK)	2480	4+3	* 2.4835	60.85	Pk	32.6	-37.6	55.85	-	-	74	-18.15	293	143	H
			* 2.483688	63.28	Pk	32.6	-37.6	58.28	-	-	74	-15.72	293	143	H
			* 2.4835	49.14	VA1T	32.6	-37.6	44.14	54	-9.86	-	-	293	143	H
			* 2.484189	49.22	VA1T	32.6	-37.6	44.22	54	-9.78	-	-	293	143	H
			* 2.4835	60.39	Pk	32.6	-37.6	55.39	-	-	74	-18.61	253	218	V
			2.52868	61.88	Pk	32.8	-37.6	57.08	-	-	-	-	253	218	V
			* 2.4835	49.32	VA1T	32.6	-37.6	44.32	54	-9.68	-	-	253	218	V
			* 2.483539	49.32	VA1T	32.6	-37.6	44.32	54	-9.68	-	-	253	218	V
EDR (8PSK)	2480	4+3	* 2.4835	69.11	Pk	32.6	-37.6	64.11	-	-	74	-9.89	289	141	H
			* 2.483512	68.93	Pk	32.6	-37.6	63.93	-	-	74	-10.07	289	141	H
			* 2.4835	51.3	VA1T	32.6	-37.6	46.3	54	-7.7	-	-	289	141	H
			* 2.483512	51.34	VA1T	32.6	-37.6	46.34	54	-7.66	-	-	289	141	H
			* 2.4835	71.1	Pk	32.6	-37.6	66.1	-	-	74	-7.9	252	218	V
			* 2.483512	70.87	Pk	32.6	-37.6	65.87	-	-	74	-8.13	252	218	V
			* 2.4835	51.7	VA1T	32.6	-37.6	46.7	54	-7.3	-	-	252	218	V
			* 2.483512	51.67	VA1T	32.6	-37.6	46.67	54	-7.33	-	-	252	218	V

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

9.1.8. HIGH BAND EDGE – LOW POWER – SISO

Mode (SISO)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR (GFSK)	2480	4	* 2.4835	41.89	Pk	32.3	-19.9	54.29	-	-	74	-19.71	260	102	H
			* 2.491362	43.89	Pk	32.3	-19.9	56.29	-	-	74	-17.71	260	102	H
			* 2.4835	30.09	VA1T	32.3	-19.9	42.49	54	-11.51	-	-	260	102	H
			2.556854	30.57	VA1T	32.4	-20.1	42.87	-	-	-	-	260	102	H
			* 2.4835	41.03	Pk	32.3	-19.9	53.43	-	-	74	-20.57	302	191	V
			2.520204	43.71	Pk	32.4	-20	56.11	-	-	-	-	302	191	V
			* 2.4835	29.92	VA1T	32.3	-19.9	42.32	54	-11.68	-	-	302	191	V
			* 2.489654	30.43	VA1T	32.3	-19.9	42.83	54	-11.17	-	-	302	191	V
		3	* 2.4835	60.46	Pk	32.4	-36.91	55.95	-	-	74	-18.05	45	107	H
			2.506326	63.08	Pk	32.5	-36.94	58.64	-	-	-	-	45	107	H
			* 2.4835	47.93	VA1T	32.4	-36.91	43.42	54	-10.58	-	-	45	107	H
			2.531405	48.67	VA1T	32.5	-36.9	44.27	-	-	-	-	45	107	H
			* 2.4835	60.46	Pk	32.4	-36.91	55.95	-	-	74	-18.05	93	266	V
			* 2.485084	63.16	Pk	32.4	-36.93	58.63	-	-	74	-15.37	93	266	V
			* 2.4835	47.87	VA1T	32.4	-36.91	43.36	54	-10.64	-	-	93	266	V
			* 2.525454	48.55	VA1T	32.5	-36.87	44.18	-	-	-	-	93	266	V
EDR (8PSK)	2480	4	* 2.4835	41.98	Pk	32.3	-19.9	54.38	-	-	74	-19.62	261	105	H
			2.516421	44.23	Pk	32.4	-20	56.63	-	-	-	-	261	105	H
			* 2.4835	30.23	VA1T	32.3	-19.9	42.63	54	-11.37	-	-	261	105	H
			2.561918	30.41	VA1T	32.4	-20	42.81	-	-	-	-	261	105	H
			* 2.4835	41.9	Pk	32.3	-19.9	54.3	-	-	74	-19.7	294	192	V
			2.508749	43.75	Pk	32.4	-20	56.15	-	-	-	-	294	192	V
			* 2.4835	30.47	VA1T	32.3	-19.9	42.87	54	-11.13	-	-	294	192	V
			* 2.483507	30.54	VA1T	32.3	-19.9	42.94	54	-11.06	-	-	294	192	V
		3	* 2.4835	59.75	Pk	32.4	-36.91	55.24	-	-	74	-18.76	134	108	H
			2.531053	62.61	Pk	32.5	-36.9	58.21	-	-	-	-	134	108	H
			* 2.4835	48.39	VA1T	32.4	-36.91	43.88	54	-10.12	-	-	134	108	H
			2.558259	48.62	VA1T	32.3	-36.81	44.11	-	-	-	-	134	108	H
			* 2.4835	60.07	Pk	32.4	-36.91	55.56	-	-	74	-18.44	82	240	V
			2.526254	62.79	Pk	32.5	-36.87	58.42	-	-	-	-	82	240	V
			* 2.4835	48.38	VA1T	32.4	-36.91	43.87	54	-10.13	-	-	82	240	V
			2.529073	48.75	VA1T	32.5	-36.89	44.36	-	-	-	-	82	240	V
BTCSM2	2480	4	* 2.4835	56.26	Pk	32.3	-37.92	50.64	-	-	74	-23.36	48	110	H
			2.538047	58.55	Pk	32.4	-37.66	53.29	-	-	-	-	48	110	H
			* 2.4835	46.4	VA1T	32.3	-37.92	40.78	54	-13.22	-	-	48	110	H
			2.546466	48.36	VA1T	32.4	-37.77	42.99	-	-	-	-	48	110	H
			* 2.4835	57.27	Pk	32.3	-37.92	51.65	-	-	74	-22.35	83	175	V
			2.551332	59.39	Pk	32.4	-37.77	54.02	-	-	-	-	83	175	V
			* 2.4835	44.46	VA1T	32.3	-37.92	38.84	54	-15.16	-	-	83	175	V
			2.527555	48.23	VA1T	32.3	-37.77	42.76	-	-	-	-	83	175	V
		3	* 2.4835	61.05	Pk	32.4	-38.32	55.13	-	-	74	-18.87	202	148	H
			2.545571	63.02	Pk	32.5	-38.13	57.39	-	-	-	-	202	148	H
			* 2.4835	49.7	VA1T	32.4	-38.32	43.78	54	-10.22	-	-	202	148	H
			2.562977	52.98	VA1T	32.4	-38.08	47.3	-	-	-	-	202	148	H
			* 2.4835	60.59	Pk	32.4	-38.32	54.67	-	-	74	-19.33	248	114	V
			2.50329	63.15	Pk	32.5	-38.27	57.38	-	-	-	-	248	114	V
			* 2.4835	49.24	VA1T	32.4	-38.32	43.32	54	-10.68	-	-	248	114	V
			2.544039	53.1	VA1T	32.5	-38.14	47.46	-	-	-	-	248	114	V

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

9.1.9. HIGH BAND EDGE – LOW POWER – MIMO TXBF

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Correct Reading (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Peak Limit (dBuV/m)	Peak Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR (GFSK)	2480	4+3	* 2.4835	59.64	Pk	32.6	-37.6	54.64	-	-	74	-19.36	295	142	H
			2.516127	61.86	Pk	32.8	-37.6	57.06	-	-	-	-	295	142	H
			* 2.4835	48.31	VA1T	32.6	-37.6	43.31	54	-10.69	-	-	295	142	H
			2.533208	48.58	VA1T	32.8	-37.6	43.78	-	-	-	-	295	142	H
			* 2.4835	59.73	Pk	32.6	-37.6	54.73	-	-	74	-19.27	254	220	V
			* 2.484352	62.29	Pk	32.6	-37.6	57.29	-	-	74	-16.71	254	220	V
			* 2.4835	48.27	VA1T	32.6	-37.6	43.27	54	-10.73	-	-	254	220	V
			2.526972	48.66	VA1T	32.8	-37.6	43.86	-	-	-	-	254	220	V
EDR (8PSK)	2480	4+3	* 2.4835	60.78	Pk	32.6	-37.6	55.78	-	-	74	-18.22	298	142	H
			2.500036	62.01	Pk	32.7	-37.6	57.11	-	-	-	-	298	142	H
			* 2.4835	48.37	VA1T	32.6	-37.6	43.37	54	-10.63	-	-	298	142	H
			2.532571	48.58	VA1T	32.8	-37.6	43.78	-	-	-	-	298	142	H
			* 2.4835	60.14	Pk	32.6	-37.6	55.14	-	-	74	-18.86	107	212	V
			2.502842	62.3	Pk	32.7	-37.6	57.4	-	-	-	-	107	212	V
			* 2.4835	48.75	VA1T	32.6	-37.6	43.75	54	-10.25	-	-	107	212	V
			2.529304	48.62	VA1T	32.8	-37.6	43.82	-	-	-	-	107	212	V

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

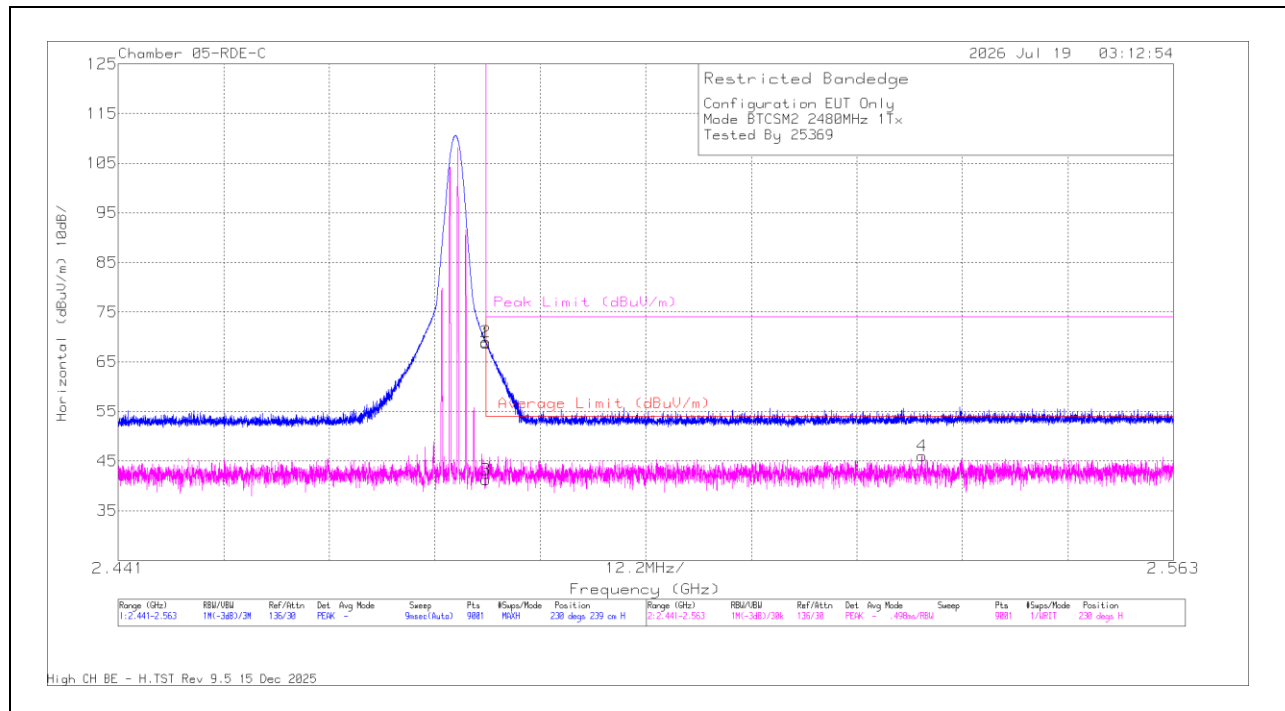
Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

9.1.10. HIGH BAND EDGE – WORST-CASE

BTCSM2 / 2480 MHz / HIGH POWER / SISO ANT 4:

HORIZONTAL RESULT



MEASURED DATA

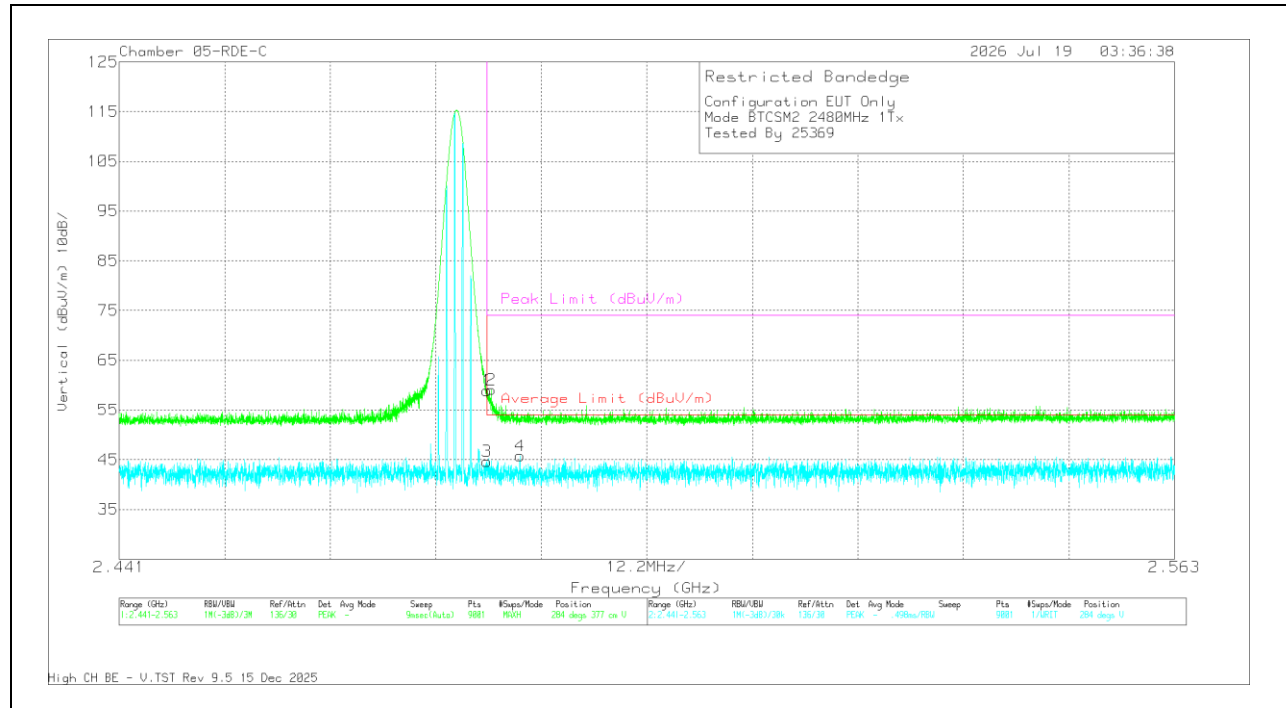
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	77.3	Pk	32.2	-40.75	68.75	-	-	74	-5.25	230	239	H
2	* 2.483512	77.57	Pk	32.2	-40.75	69.02	-	-	74	-4.98	230	239	H
3	* 2.4835	49.79	VA1T	32.2	-40.75	41.24	54	-12.76	-	-	230	239	H
4	2.533913	54.33	VA1T	32.4	-40.69	46.04	-	-	-	-	230	239	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average $V_B=1/T_{on}$ where: T_{on} is transmit duration

VERTICAL RESULT



MEASURED DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	67.5	Pk	32.2	-40.75	58.95	-	-	74	-15.05	284	377	V
2	* 2.484	67.59	Pk	32.2	-40.7	59.09	-	-	74	-14.91	284	377	V
3	* 2.4835	53.19	VA1T	32.2	-40.75	44.64	54	-9.36	-	-	284	377	V
4	* 2.487321	54.41	VA1T	32.2	-40.87	45.74	54	-8.26	-	-	284	377	V

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

9.1.11. SPURIOUS EMISSIONS – HIGH POWER – SISO

Mode (SISO)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dBm)	Amp/Cbl/ Ftr/Pad (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BTCSM2	2402	4	* 4.863114	42.72	VA1T	34	-46.61	30.11	54	-23.89	-	-	0	200	V
			* 4.863444	42.79	VA1T	34	-46.6	30.19	54	-23.81	-	-	0	101	H
			* 4.869968	57.45	PKFH	34	-46.6	44.85	-	-	74	-29.15	0	101	H
			* 4.891345	57.3	PKFH	33.9	-46.42	44.78	-	-	74	-29.22	0	200	V
			7.133459	54.84	PKFH	35.7	-44.4	46.14	-	-	-	-	0	200	V
			7.166626	55.2	PKFH	35.7	-44.64	46.26	-	-	-	-	0	101	H
			7.169173	40.72	VA1T	35.7	-44.78	31.64	-	-	-	-	0	101	H
			7.169361	40.71	VA1T	35.7	-44.78	31.63	-	-	-	-	0	200	V
			9.840008	42.26	VA1T	36.9	-45.2	33.96	-	-	-	-	0	101	V
			9.860039	56.63	PKFH	36.9	-45.32	48.21	-	-	-	-	0	101	V
		3	9.860549	42.18	VA1T	36.9	-45.34	33.74	-	-	-	-	0	200	H
			9.881883	56.98	PKFH	37	-44.99	48.99	-	-	-	-	0	200	H
			* 4.796192	55.21	PKFH	34	-47.05	42.16	-	-	74	-31.84	360	101	H
			* 4.806919	55.18	PKFH	34	-47.12	42.06	-	-	74	-31.94	360	101	V
			* 4.808392	46.55	VA1T	34	-47.11	33.44	54	-20.56	-	-	360	101	H
			* 4.812475	47.16	VA1T	34	-47.04	34.12	54	-19.88	-	-	360	101	V
			7.191282	53.59	PKFH	35.7	-44.84	44.45	-	-	-	-	360	101	H
			7.201224	44.49	VA1T	35.7	-44.95	35.24	-	-	-	-	360	101	V
			7.205371	44.71	VA1T	35.7	-44.88	35.53	-	-	-	-	360	101	H
			7.210037	53.38	PKFH	35.7	-44.82	44.26	-	-	-	-	360	101	V
	2441	4	9.600219	54.27	PKFH	36.6	-45.09	45.78	-	-	-	-	360	101	H
			9.61954	54.15	PKFH	36.6	-45.14	45.61	-	-	-	-	360	101	V
			9.632931	45.22	VA1T	36.7	-45.09	36.83	-	-	-	-	360	101	V
			9.637046	45.63	VA1T	36.7	-45.14	37.19	-	-	-	-	360	101	H
			* 4.874357	46.35	PKFH	34	-46.55	42.66	-	-	74	-31.34	2	101	V
			* 4.877681	55.67	VA1T	34	-46.51	29.32	54	-24.68	-	-	2	101	V
			* 4.879797	54.75	PKFH	34	-46.49	42.93	-	-	74	-31.07	2	101	H
			* 4.890361	46.01	VA1T	33.9	-46.46	29.49	54	-24.51	-	-	2	101	H
			* 7.306669	53.08	VA1T	35.7	-44.44	31.17	54	-22.83	-	-	2	200	V
			* 7.308585	44.64	PKFH	35.7	-44.19	44.61	-	-	74	-29.39	2	200	V
		3	* 7.312527	44.55	VA1T	35.7	-43.91	31.37	54	-22.63	-	-	2	200	H
			* 7.327705	53.1	PKFH	35.7	-44.04	44.46	-	-	74	-29.54	2	200	H
			9.758992	54.4	PKFH	36.8	-45.2	47.08	-	-	-	-	2	200	V
			9.766113	45.46	VA1T	36.8	-45.13	33.33	-	-	-	-	2	200	V
			9.774405	45.54	VA1T	36.8	-45.38	46.92	-	-	-	-	2	200	H
			9.785917	54.62	PKFH	36.8	-45.29	33.44	-	-	-	-	2	200	H
			* 4.867347	46.23	VA1T	34	-46.59	33.64	54	-20.36	-	-	360	101	H
			* 4.868474	55.3	PKFH	34	-46.59	42.71	-	-	74	-31.29	360	101	V
			* 4.879236	55.82	PKFH	34	-46.5	43.32	-	-	74	-30.68	360	101	H
			* 4.896807	46.4	VA1T	34	-46.33	34.07	54	-19.93	-	-	360	101	V
			* 7.324921	53.12	PKFH	35.7	-44.03	44.79	-	-	74	-29.21	360	101	V
			* 7.330305	44.41	VA1T	35.7	-44.19	35.92	54	-18.08	-	-	360	101	H
			* 7.338163	52.81	PKFH	35.7	-44.23	44.28	-	-	74	-29.72	360	101	H
			* 7.356961	43.99	VA1T	35.7	-44.05	35.64	54	-18.36	-	-	360	101	V
			9.724606	45.5	VA1T	36.8	-44.55	37.75	-	-	-	-	360	101	V
			9.737124	54.4	PKFH	36.8	-44.56	46.64	-	-	-	-	360	101	H
			9.737215	54.07	PKFH	36.8	-44.56	46.31	-	-	-	-	360	101	V
			9.754075	45.88	VA1T	36.8	-45.06	37.62	-	-	-	-	360	101	H

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

PKFH FHSS/BT RB=100k for Frequencies<1GHz / RB=1MHz for Frequencies>1GHz, VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

Mode (SISO)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BTCSM2	2480	4	* 4.978121	45.77	VA1T	34	-46.84	32.93	54	-21.07	-	-	360	101	H
			* 4.97905	55.01	PKFH	34	-46.86	42.15	-	-	74	-31.85	360	101	H
			* 4.983468	54.5	PKFH	34	-46.84	41.66	-	-	74	-32.34	360	101	V
			* 4.98473	45.92	VA1T	34	-46.81	33.11	54	-20.89	-	-	360	101	V
			* 7.419964	52.99	PKFH	35.7	-44.85	43.84	-	-	74	-30.16	360	101	H
			* 7.440167	54.92	PKFH	35.8	-45.14	45.58	-	-	74	-28.42	360	101	V
			* 7.444682	44.58	VA1T	35.8	-44.97	35.41	54	-18.59	-	-	360	101	V
			* 7.446506	45.13	VA1T	35.8	-44.91	36.02	54	-17.98	-	-	360	101	H
			9.916159	47.18	VA1T	37	-45.01	39.17	-	-	-	-	360	101	H
			9.949764	55.23	PKFH	37	-45.16	47.07	-	-	-	-	360	101	H
		3	9.954173	55.06	PKFH	37	-45.03	47.03	-	-	-	-	360	101	V
			9.956066	45.89	VA1T	37	-45.01	37.88	-	-	-	-	360	101	V
			* 4.973297	45.77	VA1T	34	-46.79	32.98	54	-21.02	-	-	360	101	H
			* 4.975679	55.19	PKFH	34	-46.82	42.37	-	-	74	-31.63	360	101	H
			* 4.981099	55.02	PKFH	34	-46.89	42.13	-	-	74	-31.87	360	101	V
			* 4.986557	46.26	VA1T	34	-46.79	33.47	54	-20.53	-	-	360	101	V
			* 7.429676	53.42	PKFH	35.7	-44.92	44.2	-	-	74	-29.8	360	101	H
			* 7.433222	45.28	VA1T	35.7	-44.95	36.03	54	-17.97	-	-	360	101	H
			* 7.440135	54.05	PKFH	35.8	-45.14	44.71	-	-	74	-29.29	360	101	V
			* 7.45826	44.57	VA1T	35.7	-45.13	35.14	54	-18.86	-	-	360	101	V
			9.908281	46.37	VA1T	37	-45.08	38.29	-	-	-	-	360	101	H
			9.918885	55.17	PKFH	37	-45.15	47.02	-	-	-	-	360	101	H
			9.926454	47.01	VA1T	37	-45.04	38.97	-	-	-	-	360	101	V
			9.903734	54.92	PKFH	37	-45	46.92	-	-	-	-	360	101	V

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

9.1.12. SPURIOUS EMISSIONS – HIGH POWER – MIMO TXBF

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
BDR (GFSK)	2402	4 + 3	* 3.95746	56.45	PKFH	33.3	-47	42.75	-	-	74	-31.25	360	200	H
			* 3.958847	42.49	VA1T	33.3	-47	28.79	54	-25.21	-	-	360	200	H
			6.114854	55.8	PKFH	35.9	-45.3	46.4	-	-	-	-	360	101	H
			6.103014	41.59	VA1T	35.8	-45.4	31.99	-	-	-	-	360	101	H
			9.803018	55.22	PKFH	37.1	-44.2	48.12	-	-	-	-	360	200	H
			9.807592	41.86	VA1T	37.1	-44.56	34.4	-	-	-	-	360	200	H
			* 3.954378	56.24	PKFH	33.3	-46.94	42.6	-	-	74	-31.4	360	101	V
			* 3.95876	42.46	VA1T	33.3	-47	28.76	54	-25.24	-	-	360	101	V
			6.105672	55.54	PKFH	35.8	-45.3	46.04	-	-	-	-	360	200	V
			6.10909	41.67	VA1T	35.9	-45.3	32.27	-	-	-	-	360	200	V
	2441	4 + 3	9.795279	56.13	PKFH	37.1	-44.57	48.66	-	-	-	-	360	101	V
			9.824514	41.66	VA1T	37.1	-44.9	33.86	-	-	-	-	360	101	V
			* 4.031708	56.77	PKFH	33.5	-47	43.27	-	-	74	-30.73	360	100	H
			* 4.020468	42.79	VA1T	33.5	-47.05	29.24	54	-24.76	-	-	360	100	H
			6.277088	55.67	PKFH	36	-45.4	46.27	-	-	-	-	360	100	H
			6.266359	41.4	VA1T	36	-45.4	32	-	-	-	-	360	100	H
			9.652081	55.33	PKFH	36.9	-44.49	47.74	-	-	-	-	360	100	H
			9.622543	41.08	VA1T	36.9	-44.6	33.38	-	-	-	-	360	100	H
			* 4.010979	56.97	PKFH	33.4	-46.9	43.47	-	-	74	-30.53	360	200	V
			* 4.019264	42.82	VA1T	33.5	-47.03	29.29	54	-24.71	-	-	360	200	V
	2480	4 + 3	6.287497	56.25	PKFH	36	-45.3	46.95	-	-	-	-	360	101	V
			6.276577	41.37	VA1T	36	-45.4	31.97	-	-	-	-	360	101	V
			9.646512	55.41	PKFH	36.9	-44.3	48.01	-	-	-	-	360	200	V
			9.650569	41.28	VA1T	36.9	-44.5	33.68	-	-	-	-	360	200	V
			* 4.007519	56.43	PKFH	33.4	-47	42.83	-	-	74	-31.17	1	200	H
			* 4.020435	42.91	VA1T	33.5	-47.06	29.35	54	-24.65	-	-	1	200	H
			6.214862	55.15	PKFH	36	-45.61	45.54	-	-	-	-	1	200	H
			6.229924	41.45	VA1T	36	-45.79	31.66	-	-	-	-	1	200	H
			9.970578	55.69	PKFH	37.3	-44.7	48.29	-	-	-	-	1	200	H
			9.989142	41.3	VA1T	37.3	-44.8	33.8	-	-	-	-	1	200	H
	2480	4 + 3	* 4.018999	56.74	PKFH	33.5	-47	43.24	-	-	74	-30.76	1	101	V
			* 4.018327	42.74	VA1T	33.5	-47	29.24	54	-24.76	-	-	1	101	V
			6.214015	55	PKFH	35.9	-45.7	45.2	-	-	-	-	1	200	V
			6.209949	41.42	VA1T	35.9	-45.7	31.62	-	-	-	-	1	200	V
			9.998501	55.26	PKFH	37.4	-44.8	47.86	-	-	-	-	1	200	V
			10.000954	41.34	VA1T	37.4	-44.8	33.94	-	-	-	-	1	200	V

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

Pk - Peak detector

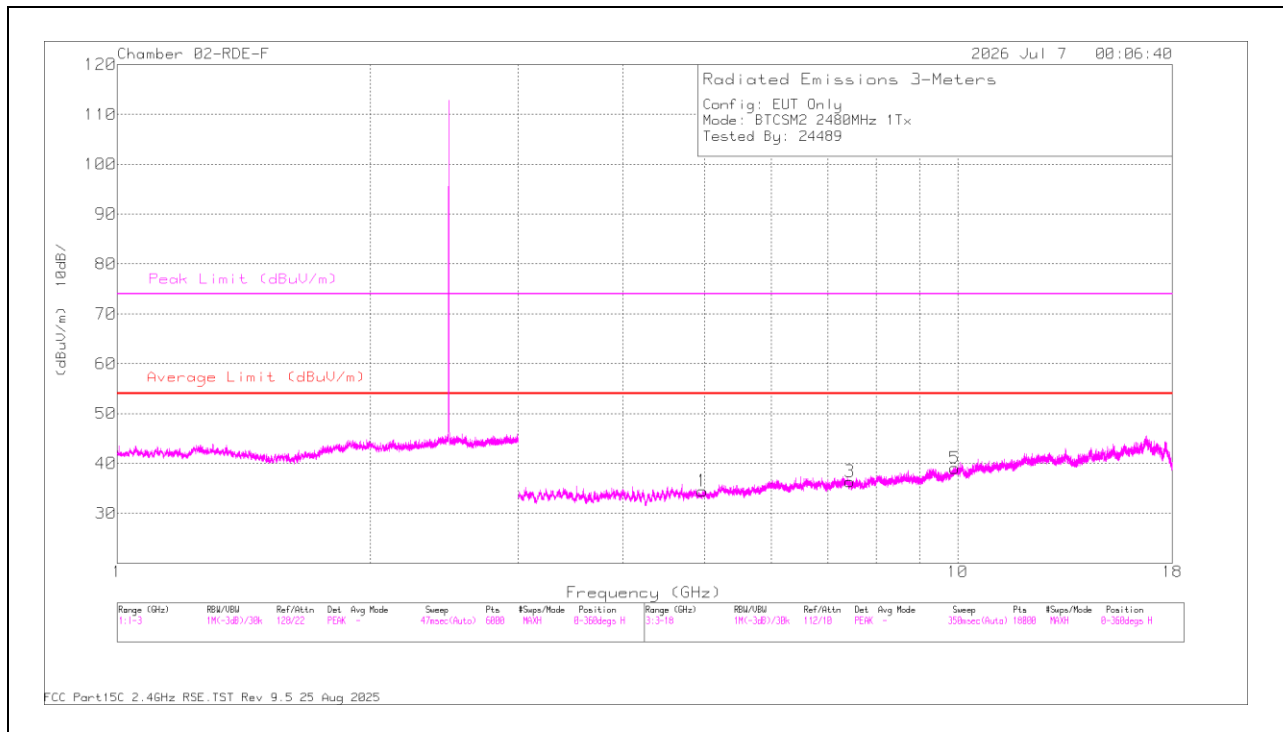
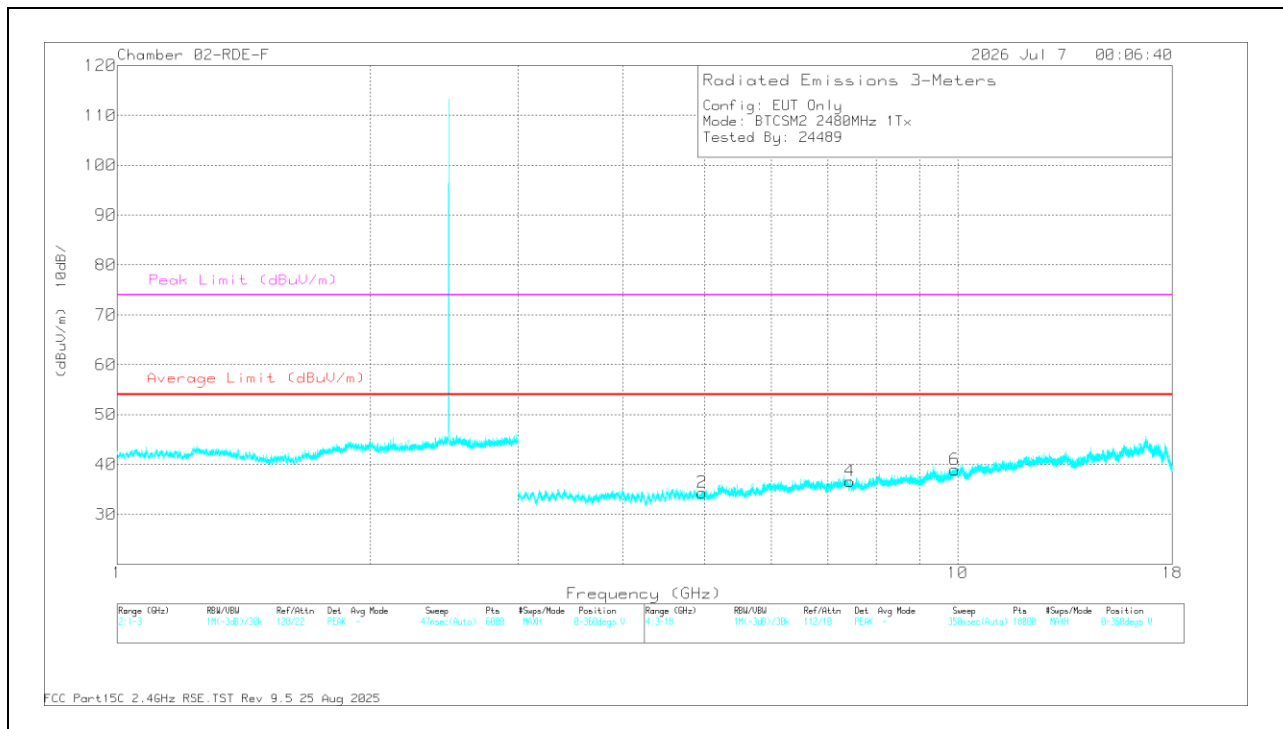
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

Mode (MIMO TXBF)	Channel Frequency (MHz)	Antenna #	Frequency (GHz)	Meter Reading (dBuV)	Detector	ACF (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Correct Reading (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)	Pk Limit (dBuV/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
EDR (8PSK)	2402	4 + 3	* 3.950483	55.92	PKFH	33.4	-46.8	42.52	-	-	74	-31.48	0	101	H
			* 3.912519	42.38	VA1T	33.5	-46.9	28.98	54	-25.02	-	-	0	101	H
			6.205476	55.25	PKFH	35.9	-45.7	45.45	-	-	-	-	0	101	H
			6.189076	41.33	VA1T	35.9	-45.7	31.53	-	-	-	-	0	101	H
			9.863844	56.1	PKFH	37.1	-44.52	48.68	-	-	-	-	0	101	H
			9.870004	41.69	VA1T	37.1	-44.6	34.19	-	-	-	-	0	101	H
			* 3.936143	55.9	PKFH	33.4	-46.8	42.5	-	-	74	-31.5	0	101	V
			* 3.916121	42.33	VA1T	33.5	-46.9	28.93	54	-25.07	-	-	0	101	V
			6.172478	55.54	PKFH	35.9	-45.7	45.74	-	-	-	-	0	101	V
			6.167532	41.29	VA1T	35.9	-45.7	31.49	-	-	-	-	0	101	V
	2441	4 + 3	9.85327	55.49	PKFH	37.1	-44.43	48.16	-	-	-	-	0	200	V
			9.867942	41.89	VA1T	37.1	-44.6	34.39	-	-	-	-	0	200	V
			* 3.916605	56.22	PKFH	33.5	-46.9	42.82	-	-	74	-31.18	0	100	H
			* 3.911965	42.35	VA1T	33.5	-46.9	28.95	54	-25.05	-	-	0	100	H
			6.216692	55.19	PKFH	36	-45.6	45.59	-	-	-	-	0	200	H
			* 6.225132	41.37	VA1T	36	-45.7	31.67	-	-	-	-	0	200	H
			9.786576	55.37	PKFH	37.1	-44.4	48.07	-	-	-	-	0	200	H
			9.793807	41.7	VA1T	37.1	-44.6	34.2	-	-	-	-	0	200	H
			* 3.903029	55.94	PKFH	33.5	-46.9	42.54	-	-	74	-31.46	0	101	V
			* 3.901607	42.4	VA1T	33.5	-46.9	29	54	-25	-	-	0	101	V
	2480	4 + 3	6.224654	55.1	PKFH	36	-45.7	45.4	-	-	-	-	0	101	V
			6.237996	41.24	VA1T	36	-45.8	31.44	-	-	-	-	0	101	V
			9.797091	55.48	PKFH	37.1	-44.4	48.18	-	-	-	-	0	199	V
			9.793469	41.66	VA1T	37.1	-44.6	34.16	-	-	-	-	0	199	V
			* 4.945558	49.16	PKFH	34	-40.5	42.66	-	-	74	-31.34	2	101	V
			* 4.949114	35.92	VA1T	33.9	-40.5	29.32	54	-24.68	-	-	2	101	V
			* 4.950161	49.53	PKFH	33.9	-40.5	42.93	-	-	74	-31.07	2	101	H
			* 4.957704	36.09	VA1T	33.9	-40.5	29.49	54	-24.51	-	-	2	101	H
			* 7.406363	33.27	VA1T	35.8	-37.9	31.17	54	-22.83	-	-	2	200	V
			* 7.435568	46.61	PKFH	35.8	-37.8	44.61	-	-	74	-29.39	2	200	V
			* 7.439255	33.37	VA1T	35.8	-37.8	31.37	54	-22.63	-	-	2	200	H
			* 7.45874	46.56	PKFH	35.8	-37.9	44.46	-	-	74	-29.54	2	200	H
			9.912158	46.48	PKFH	37	-36.4	47.08	-	-	-	-	2	200	V
			9.932327	32.83	VA1T	37	-36.5	33.33	-	-	-	-	2	200	V
			9.91922	46.32	PKFH	37	-36.4	46.92	-	-	-	-	2	200	H
			9.935642	32.94	VA1T	37	-36.5	33.44	-	-	-	-	2	200	H

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

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

9.1.13. SPURIOUS EMISSIONS – WORST-CASE**BTC SM2 / 2480 MHz / HIGH POWER / SISO ANT 3****HORIZONTAL RESULT****VERTICAL RESULT**

MEASURED DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.973297	45.77	VA1T	34	-46.79	32.98	54	-21.02	-	-	360	101	H
	* 4.975679	55.19	PKFH	34	-46.82	42.37	-	-	74	-31.63	360	101	H
2	* 4.981099	55.02	PKFH	34	-46.89	42.13	-	-	74	-31.87	360	101	V
	* 4.986557	46.26	VA1T	34	-46.79	33.47	54	-20.53	-	-	360	101	V
3	* 7.429676	53.42	PKFH	35.7	-44.92	44.2	-	-	74	-29.8	360	101	H
	* 7.433222	45.28	VA1T	35.7	-44.95	36.03	54	-17.97	-	-	360	101	H
4	* 7.440135	54.05	PKFH	35.8	-45.14	44.71	-	-	74	-29.29	360	101	V
	* 7.45826	44.57	VA1T	35.7	-45.13	35.14	54	-18.86	-	-	360	101	V
5	9.908281	46.37	VA1T	37	-45.08	38.29	-	-	-	-	360	101	H
	9.918885	55.17	PKFH	37	-45.15	47.02	-	-	-	-	360	101	H
6	9.926454	47.01	VA1T	37	-45.04	38.97	-	-	-	-	360	101	V
	9.903734	54.92	PKFH	37	-45	46.92	-	-	-	-	360	101	V

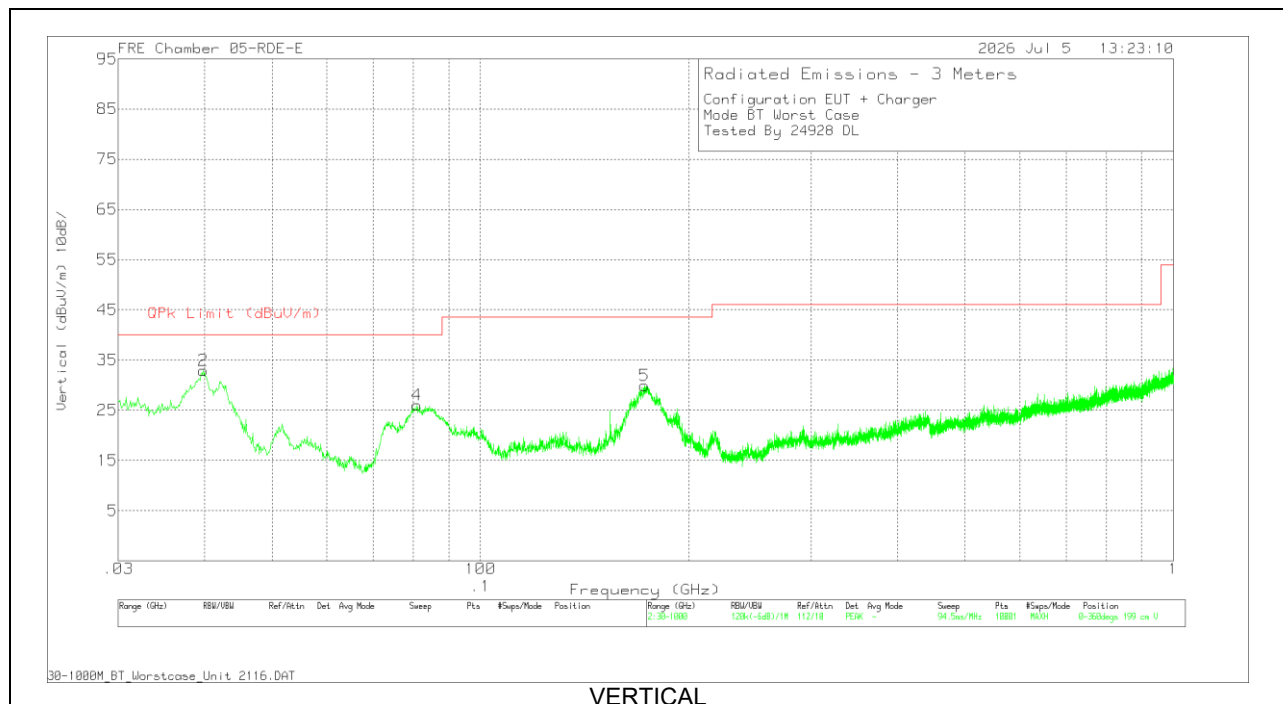
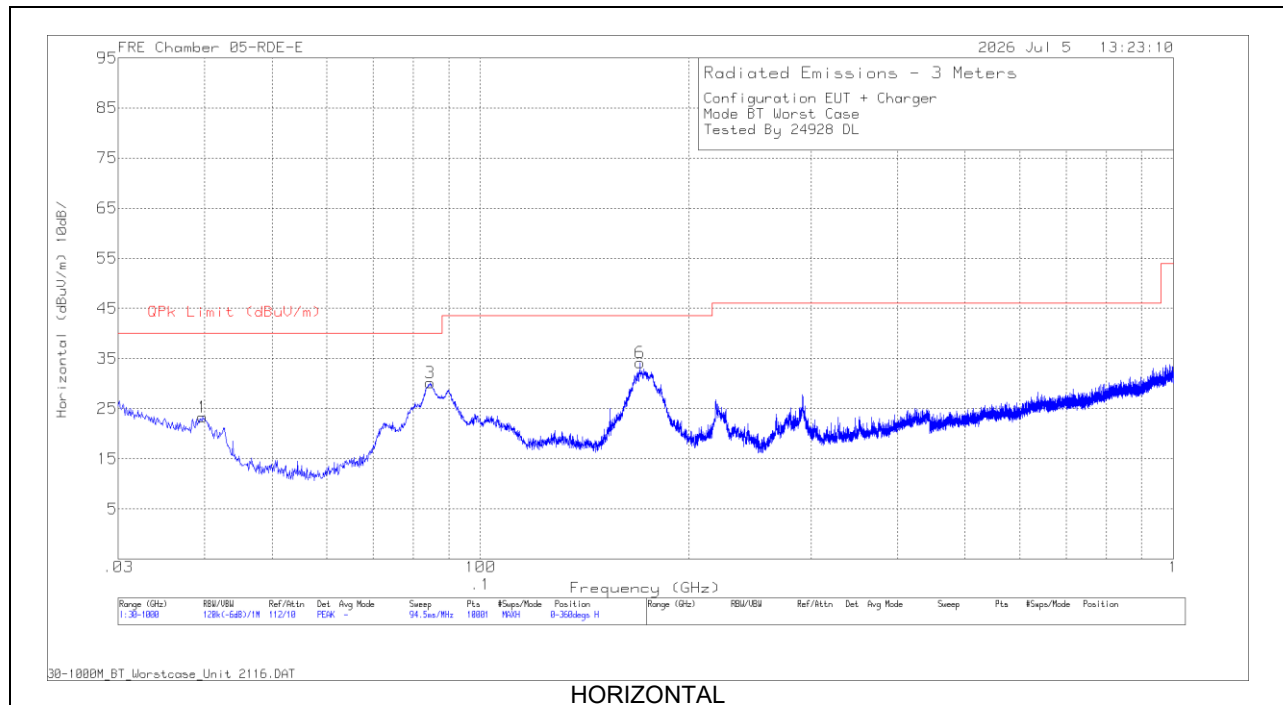
* - indicates frequency in 47 CFR Part 15/ IC RSS-Restricted Band

PKFH FHSS/BT RB=100k for Frequencies<1 GHz / RB=1MHz for Frequencies>1 GHz, VB=3 x RB, Peak

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

9.2. 30 MHz - 1 GHz – WORST-CASE

SPURIOUS EMISSIONS



MEASURED DATA

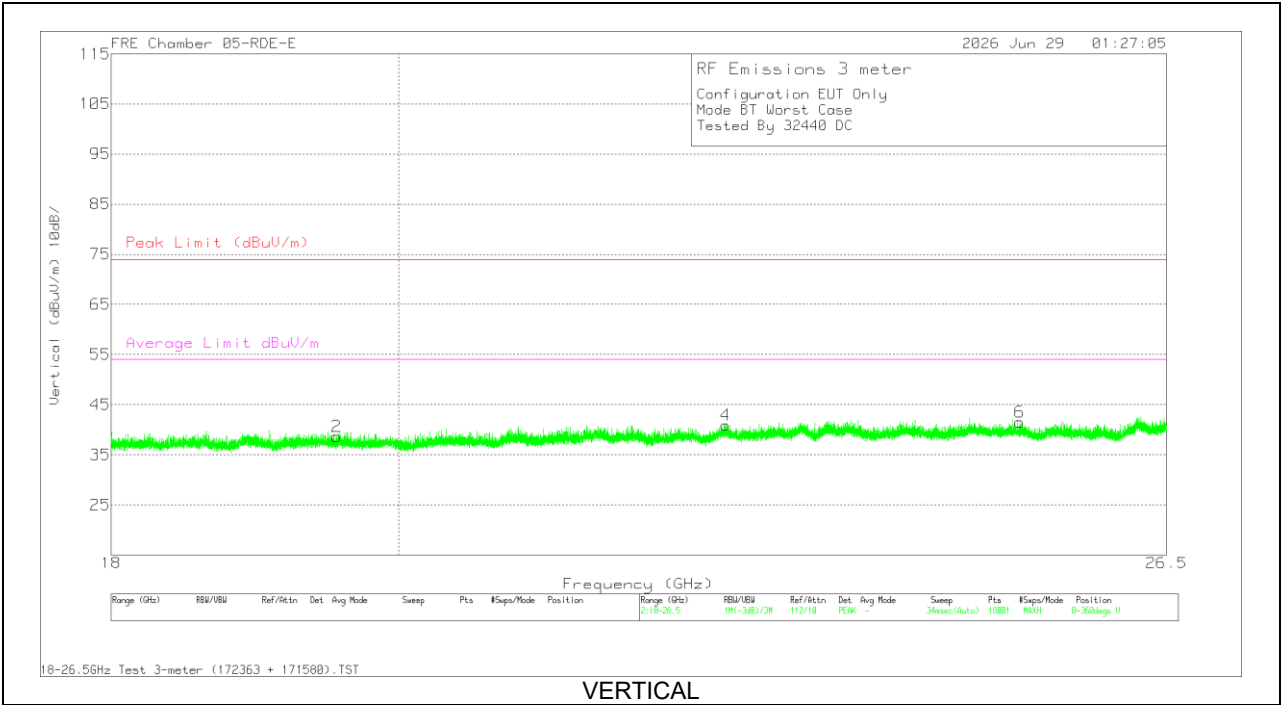
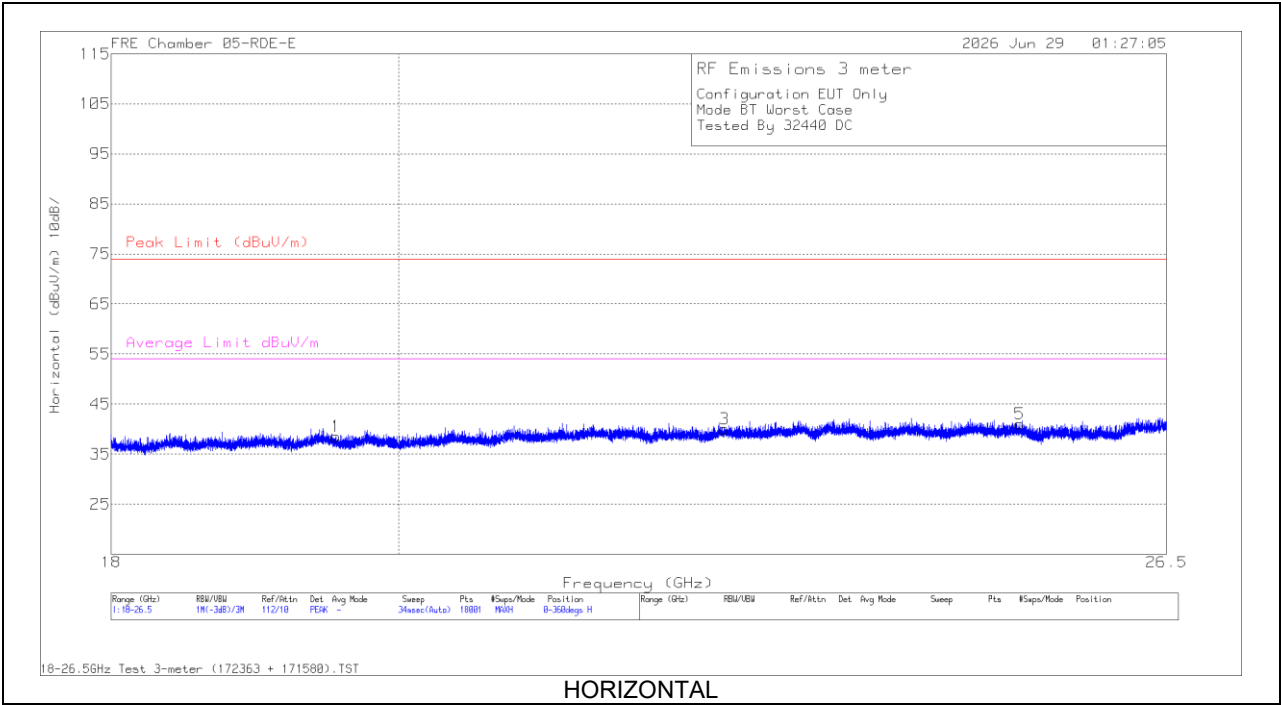
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	174373 ACF (dB/m)	CBL (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	.169874	46.87	Pk	17.6	-30.3	34.17	43.52	-9.35	0-360	199	H
3	.084611	47.63	Pk	13.2	-30.7	30.13	40	-9.87	0-360	199	H
1	.0397	34.94	Pk	19.6	-31.2	23.34	40	-16.66	0-360	298	H
2	.039797	44.63	Pk	19.5	-31.2	32.93	40	-7.07	0-360	100	V
	.039874	39.43	Qp	19.5	-31.2	27.73	40	-12.27	274	100	V
4	.081022	43.39	Pk	13.5	-30.9	25.99	40	-14.01	0-360	100	V
5	.17259	42.83	Pk	17.4	-30.3	29.93	43.52	-13.59	0-360	199	V

Pk - Peak detector

Qp - Quasi-Peak detector

9.3. 18 GHz - 26 GHz – WORST-CASE

SPURIOUS EMISSIONS



MEASURED DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	172363 ACF (dB/m)	CBL/AMP (dB)	CBL (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 19.546999	55.78	Pk	32.5	-63	13.2	38.48	74	-35.52	54	-15.52	0-360	101	H
2	* 19.550305	56.01	Pk	32.4	-63	13.2	38.61	74	-35.39	54	-15.39	0-360	200	V
3	* 22.539942	55.87	Pk	33.1	-63.2	14.3	40.07	74	-33.93	54	-13.93	0-360	199	H
4	* 22.545609	56.7	Pk	33.1	-63.2	14.3	40.9	74	-33.1	54	-13.1	0-360	200	V
5	25.110719	55.45	Pk	33.7	-63.1	15	41.05	-	-	-	-	0-360	199	H
6	25.114024	55.92	Pk	33.7	-63.1	15	41.52	-	-	-	-	0-360	200	V

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

Pk - Peak detector

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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

*Decreases with the logarithm of the frequency.

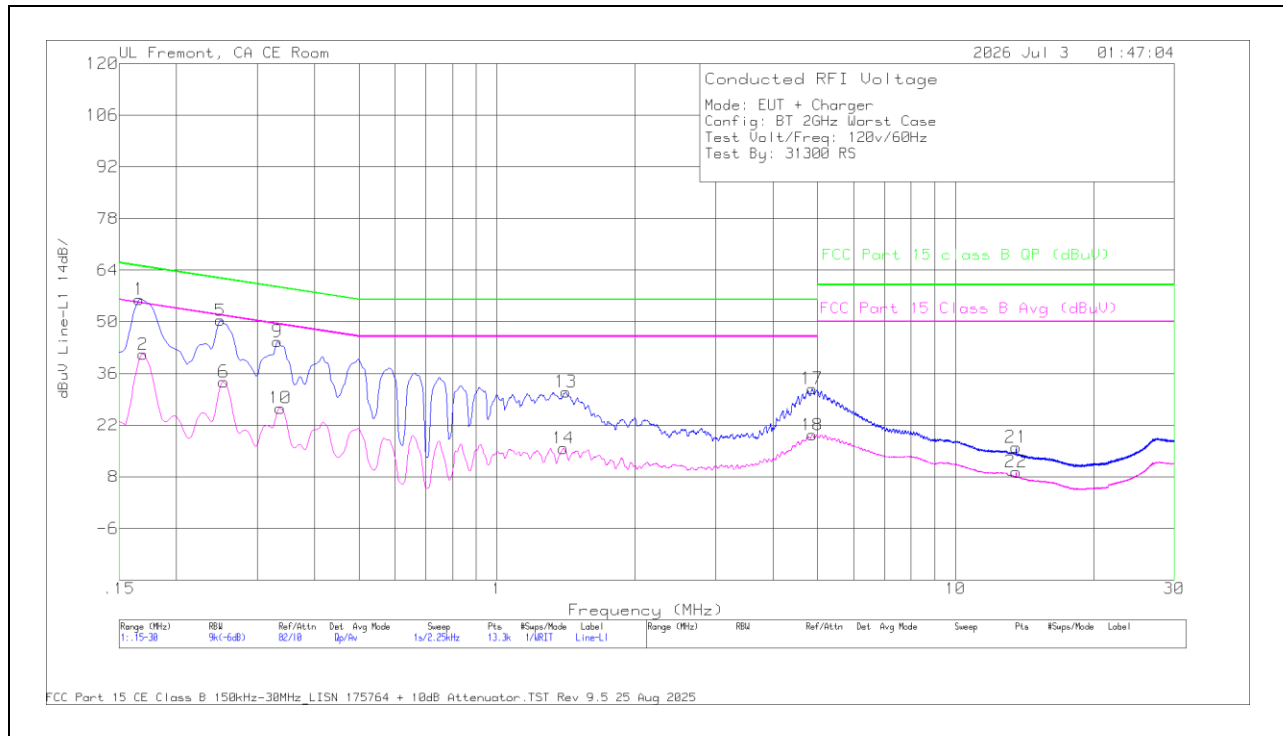
TEST PROCEDURE

ANSI C63.10 Section 6.2

RESULTS

10.1. AC POWER LINE WITH AC/DC ADAPTER

LINE 1 RESULTS

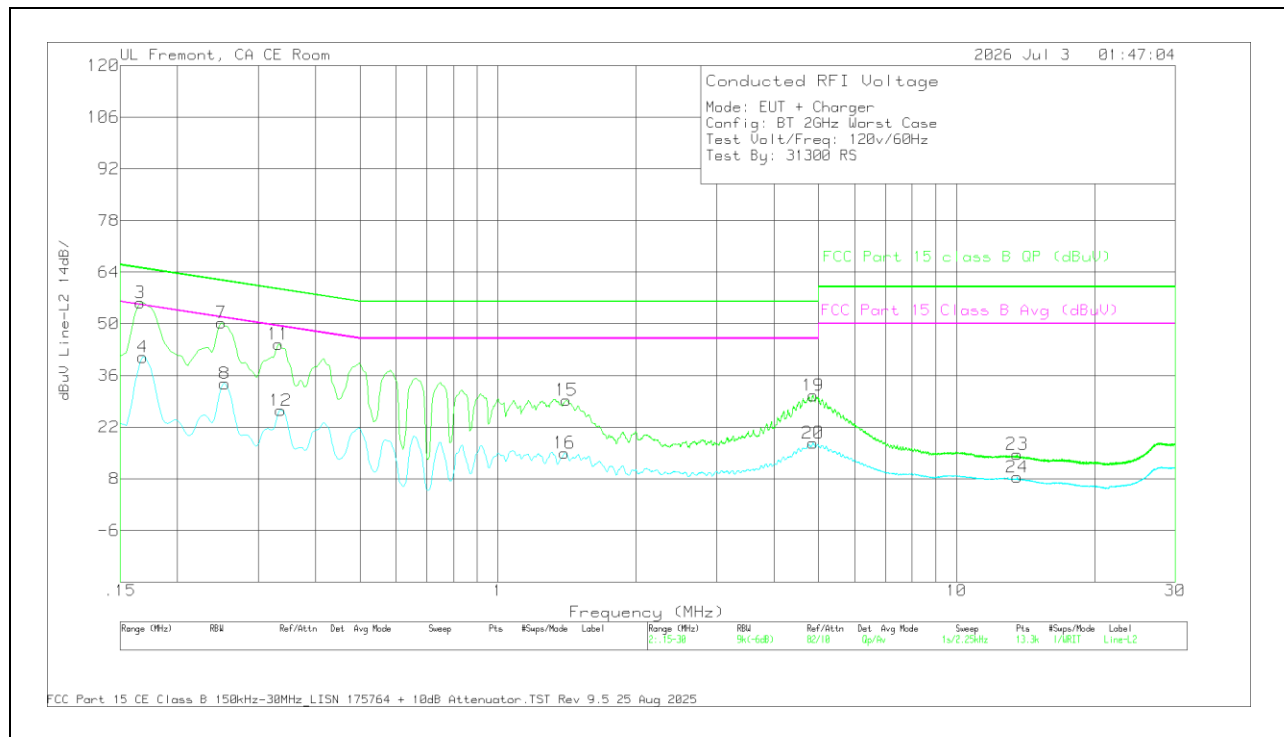


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L1 (dB)	Line 1 202326, C3 202322, C1 202326 (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Avg Margin (dB)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)
2	.1691	30.98	Av	.1	10.1	41.18	55	-13.82	-	-
6	.2535	23.61	Av	0	10.1	33.71	51.64	-17.93	-	-
10	.3368	16.52	Av	0	10.1	26.62	49.28	-22.66	-	-
14	1.3954	5.61	Av	0	10.1	15.71	46	-30.29	-	-
18	4.8683	9.37	Av	0	10	19.37	46	-26.63	-	-
22	13.56	-7.74	Av	.1	10	9.36	50	-40.64	-	-
1	.1658	45.9	Qp	.1	10.1	56.1	-	-	65.17	-9.07
5	.249	40.31	Qp	0	10.1	50.41	-	-	61.79	-11.38
9	.3323	34.55	Qp	0	10.1	44.65	-	-	59.39	-14.74
13	1.4123	20.91	Qp	0	10.1	31.01	-	-	56	-24.99
17	4.866	21.86	Qp	0	10	31.86	-	-	56	-24.14
21	13.56	5.9	Qp	.1	10	16	-	-	60	-44

Qp - Quasi-Peak detector

Av - Average detection

LINE 2 RESULTS**MEASURED DATA**

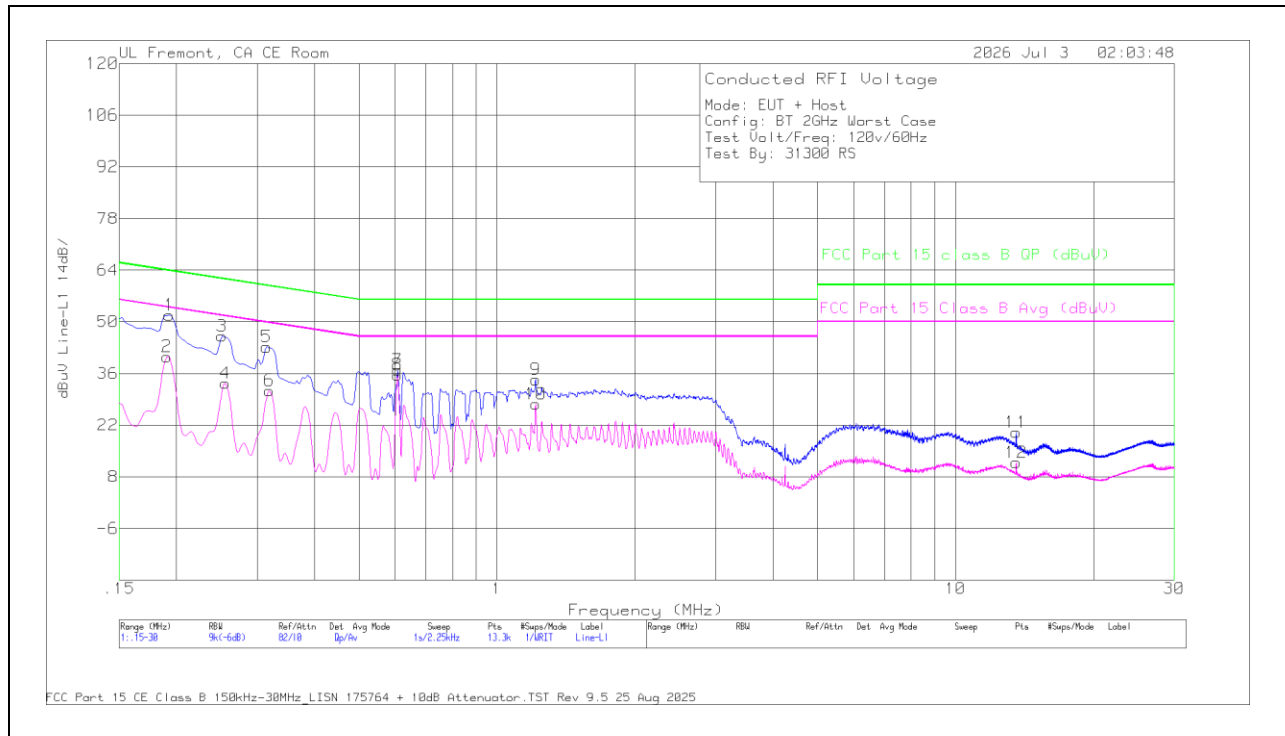
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L1 (dB)	Line 2 202327, C3 202322, C2 202327 (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Avg Margin (dB)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)
4	.168	30.76	Av	.1	10.1	40.96	55.06	-14.1	-	-
8	.2535	23.7	Av	0	10.1	33.8	51.64	-17.84	-	-
12	.3356	16.43	Av	0	10.1	26.53	49.31	-22.78	-	-
16	1.3965	4.87	Av	0	10.1	14.97	46	-31.03	-	-
20	4.8638	7.37	Av	.1	10.2	17.67	46	-28.33	-	-
24	13.56	-1.98	Av	.1	10.3	8.42	50	-41.58	-	-
3	.1658	45.51	Qp	.1	10.1	55.71	-	-	65.17	-9.46
7	.249	40.06	Qp	.1	10.1	50.26	-	-	61.79	-11.53
11	.3323	34.38	Qp	0	10.1	44.48	-	-	59.39	-14.91
15	1.41	19.18	Qp	0	10.1	29.28	-	-	56	-26.72
19	4.866	20.27	Qp	.1	10.2	30.57	-	-	56	-25.43
23	13.56	4.24	Qp	.1	10.3	14.64	-	-	60	-45.36

Qp - Quasi-Peak detector

Av - Average detection

10.2. AC POWER LINE WITH LAPTOP

LINE 1 RESULTS

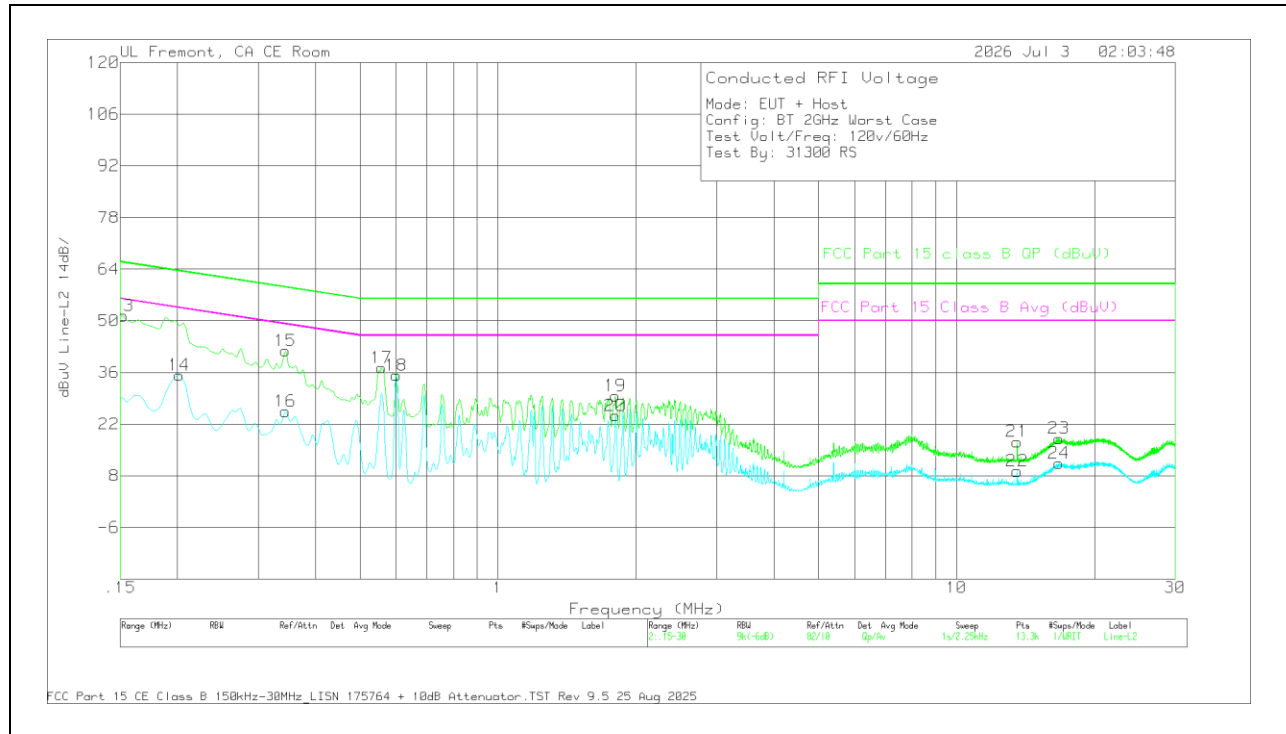


MEASURED DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L1 (dB)	Line 1 202326, C3 202322, C1 202326 (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Avg Margin (dB)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)
2	.1905	30.38	Av	.1	10.1	40.58	54.01	-13.43	-	-
4	.2558	23.23	Av	0	10.1	33.33	51.57	-18.24	-	-
6	.3188	21.27	Av	0	10.1	31.37	49.74	-18.37	-	-
8	.6068	25.53	Av	0	10.1	35.63	46	-10.37	-	-
10	1.2143	17.62	Av	0	10.1	27.72	46	-18.28	-	-
12	13.56	1.73	Av	.1	10	11.83	50	-38.17	-	-
1	.1928	41.58	Qp	.1	10.1	51.78	-	-	63.92	-12.14
3	.2513	36.01	Qp	0	10.1	46.11	-	-	61.72	-15.61
5	.3143	33.18	Qp	0	10	43.18	-	-	59.86	-16.68
7	.6068	26.82	Qp	0	10.1	36.92	-	-	56	-19.08
9	1.2143	24.23	Qp	0	10.1	34.33	-	-	56	-21.67
11	13.56	9.92	Qp	.1	10	20.02	-	-	60	-39.98

Qp - Quasi-Peak detector

Av - Average detection

LINE 2 RESULTS**MEASURED DATA**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175764 LISN L1 (dB)	Line 2 202327, C3 202322, C2 202327 (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Avg Margin (dB)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)
14	.2018	25.04	Av	.1	10.1	35.24	53.54	-18.3	-	-
16	.3435	15.34	Av	0	10.1	25.44	49.12	-23.68	-	-
18	.6	25.13	Av	0	10.1	35.23	46	-10.77	-	-
20	1.8038	14.17	Av	0	10.1	24.27	46	-21.73	-	-
22	13.56	-1.15	Av	.1	10.3	9.25	50	-40.75	-	-
24	16.7303	.87	Av	.2	10.3	11.37	50	-38.63	-	-
13	.1523	41.15	Qp	.1	10.1	51.35	-	-	65.88	-14.53
15	.3435	31.75	Qp	0	10.1	41.85	-	-	59.12	-17.27
17	.5573	27.16	Qp	0	10.1	37.26	-	-	56	-18.74
19	1.8015	19.55	Qp	0	10.1	29.65	-	-	56	-26.35
21	13.56	6.83	Qp	.1	10.3	17.23	-	-	60	-42.77
23	16.7325	7.58	Qp	.2	10.3	18.08	-	-	60	-41.92

Qp - Quasi-Peak detector

Av - Average detection

11. SETUP PHOTOS

Please refer to 15982168-EP1V1 for setup photos.

12. APPENDIX A SPOT CHECK EVALUATION

12.1. MODEL DIFFERENCES

The manufacturer hereby declares the following for models A3716, A3717 and A3718. These models are very similar, with only the following differences.

Model	FCC ID	IC ID	Feature Difference	Sim Support	Reference Model
A3716	BCG-E9195A	579C-E9195A	-Without FR2 -Added LTE B11, B21	eSIM	-
A3717	BCG-E9196A	579C-E9196A	-Without FR2 -No LTE/5GNR B14, B29, B71 -No LTE B11, B21	eSIM	A3716
A3718	BCG-E9197A	579C-E9197A	-Without FR2 -No LTE/5GNR B14, B29, B71, B53 -No LTE B11, B21, MSS	eSIM + pSIM	

Note:

- All Models use the same System, Cellular and Connectivity radio electrical schematics.
- Removal of LTE/ 5GNR bands on models either done by software or de-population of related components. Please refer to data reuse test plan for details.
- All Models use the same Applications Processor and PMU.
- All Models use the same UICC hardware/software interface.
- All Models run the same Baseband firmware and iOS software.

The spot check plan allows for data reuse from the reference model where the variant model data meets the limits and has not changed by more than the criteria from KDB 484596 D01 v03 equation (4).

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

Where: d_{dB} deviation from Reference data, V_{dB} variant spot check level, and R_{dB} measurement level

12.2. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3717

Equipment Class / Technology	Frequency (GHz)	Mode	Data Rate	Test Item	Channel	Measured Frequency (GHz)	Original Model: A3716	Sub Model: A3717	Delta (dB)	Margin	Remarks
							FCC ID : BCG-E9195A IC : 579C-E9195A	FCC ID : BCG-E9196A IC : 579C-E9196A			
DSS/BT	2.4	BDR TxBF	1 Mbps	Output Power (dBm)	Low	2.402	20.24	20.19	-0.05	-9.76	Note 1
		BTCSM2 (ANT 4) High Power	2 Mbps	Radiated Band-Edge (dBuV/m)	High	2.4835 (Pk) Horizontal	69.02	71.25	2.23	-4.98	Note 1
		Worst Case		30MHz - 1GHz	Mid	.0398 Vertical	32.93	31.23	-1.70	-7.07	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 were performed on second channel.

12.3. SPOT CHECK VERIFICATION RESULTS SUMMARY FOR A3718

Equipment Class / Technology	Frequency (GHz)	Mode	Data Rate	Test Item	Channel	Measured Frequency (GHz)	Original Model: A3716	Sub Model: A3718	Delta (dB)	Margin	Remarks
							FCC ID : BCG-E9195A IC : 579C-E9195A	FCC ID : BCG-E9197A IC : 579C-E9197A			
DSS/BT	2.4	BDR TxBF	1 Mbps	Output Power (dBm)	Low	2.402	20.24	20.18	-0.06	-9.76	Note 1
		BTCSM2 (ANT 4) High Power	2 Mbps	Radiated Band-Edge (dBuV/m)	High	2.4835 (Pk) Horizontal	69.02	71.26	2.24	-4.98	Note 1
		Worst Case		30MHz - 1GHz	Mid	.0398 Vertical	32.93	31.79	-1.14	-7.07	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 were performed on second channel.