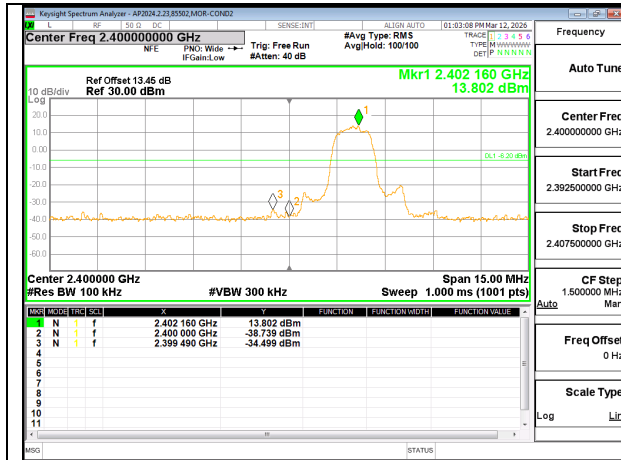
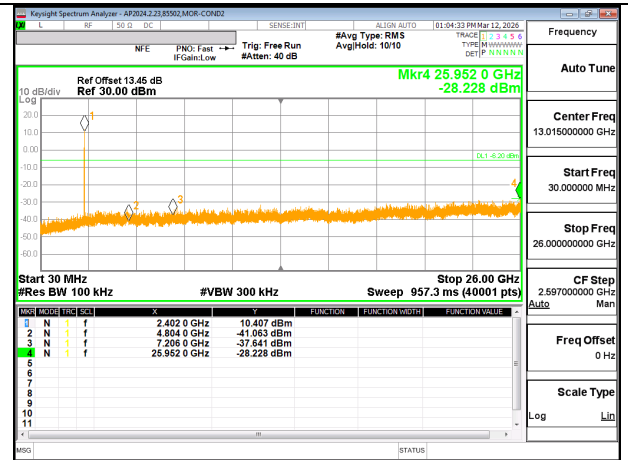


BLUETOOTH ENHANCED DATA RATE 8PSK MODULATION

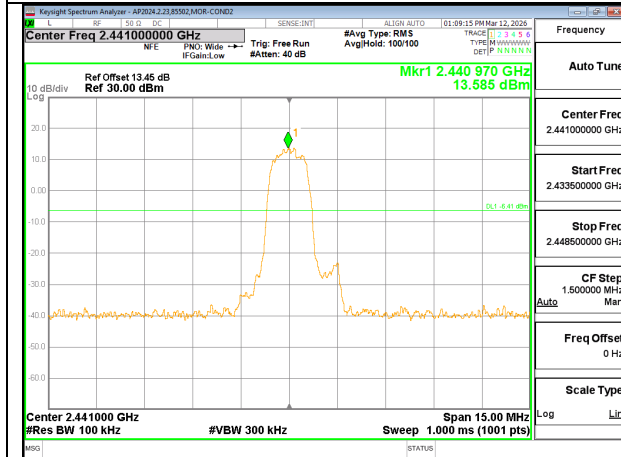
SPURIOUS EMISSIONS, NON-HOPPING



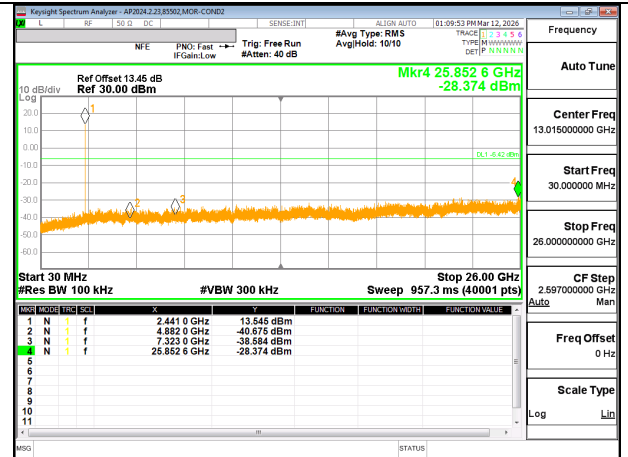
LOW CHANNEL BANDEDGE



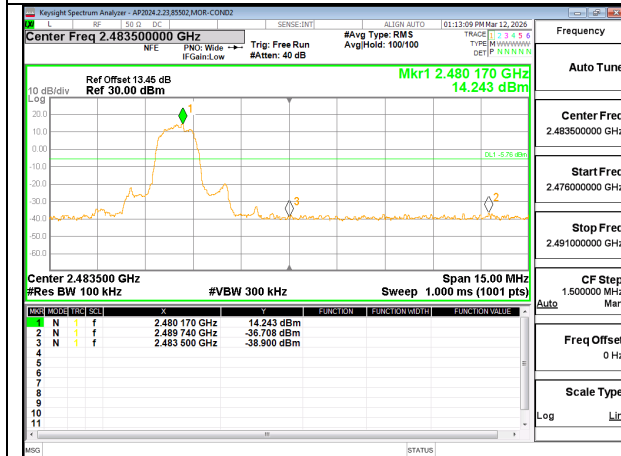
OUT-OF-BAND LOW CHANNEL



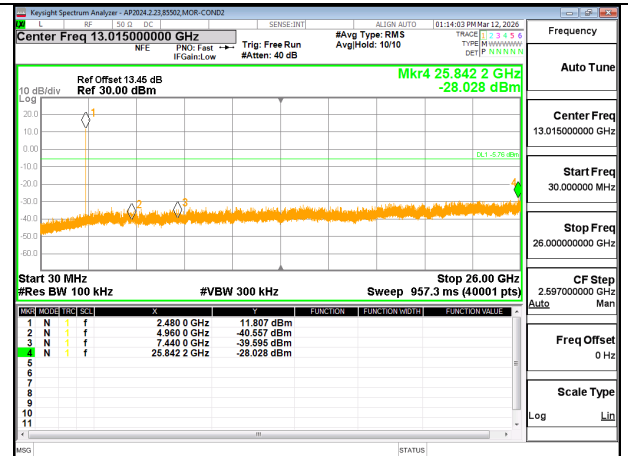
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

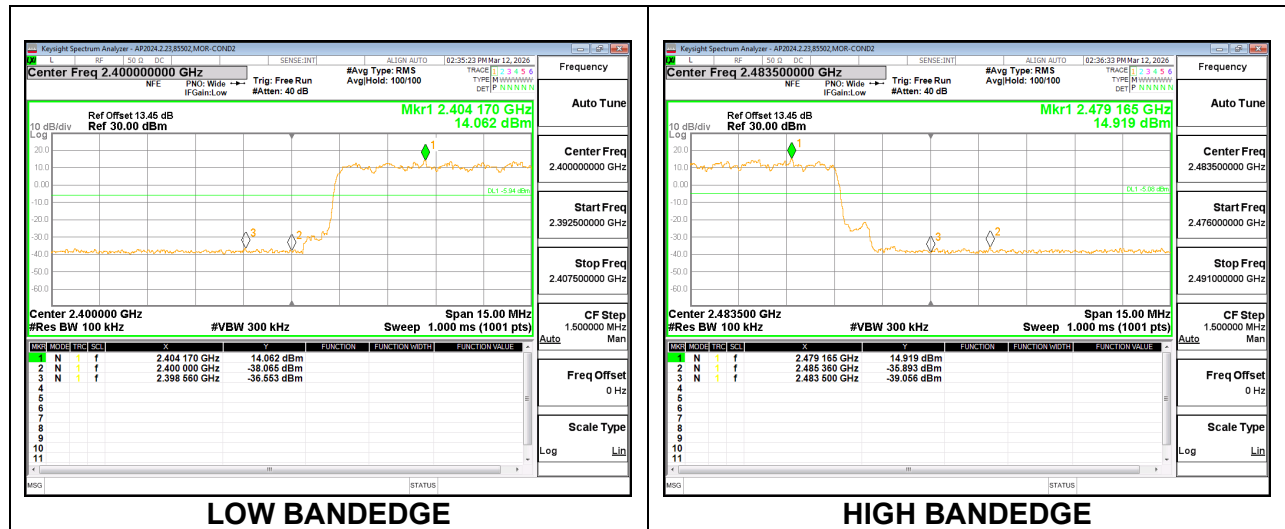


HIGH CHANNEL BANDEDGE



OUT-OF-BAND HIGH CHANNEL

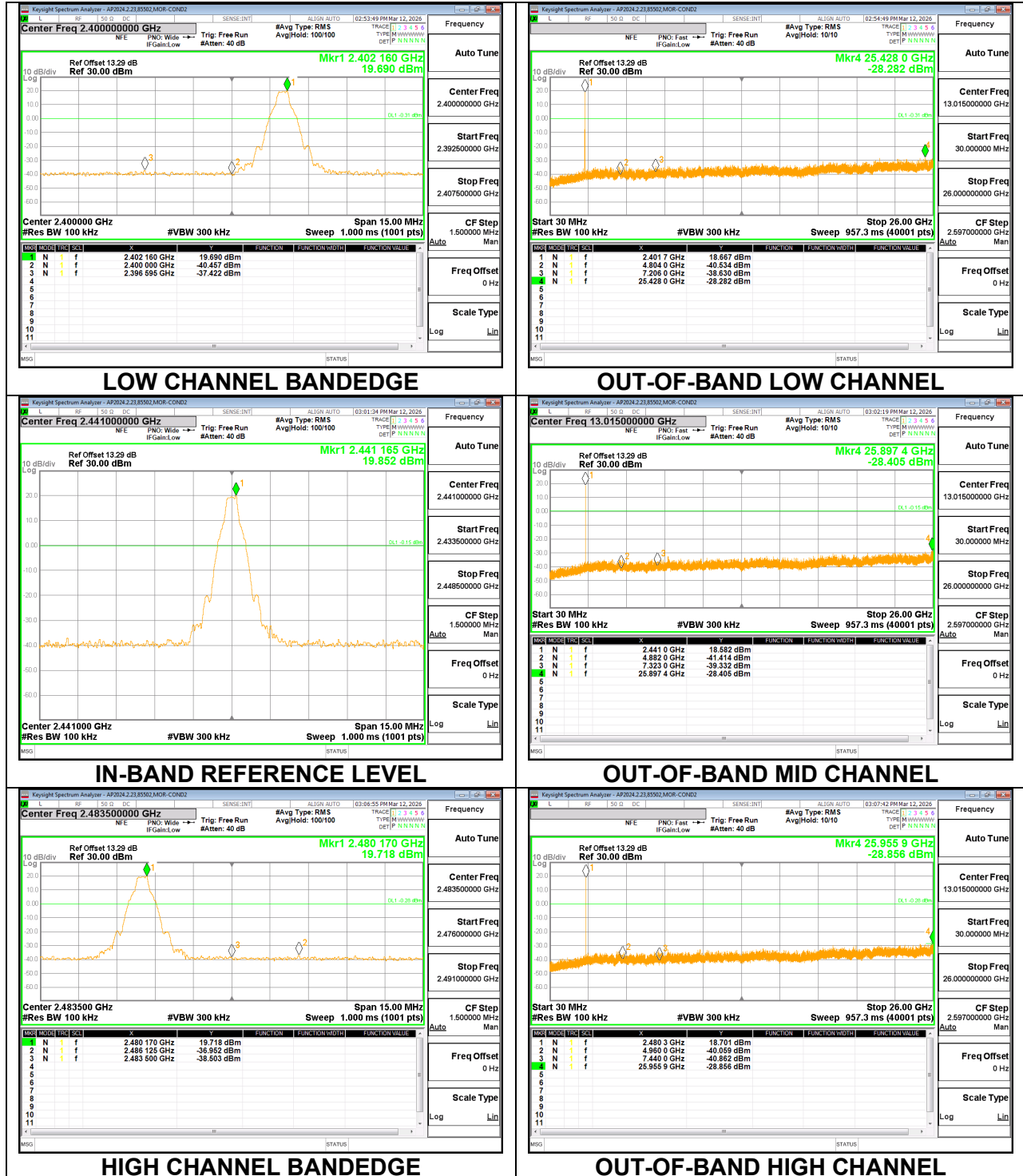
SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



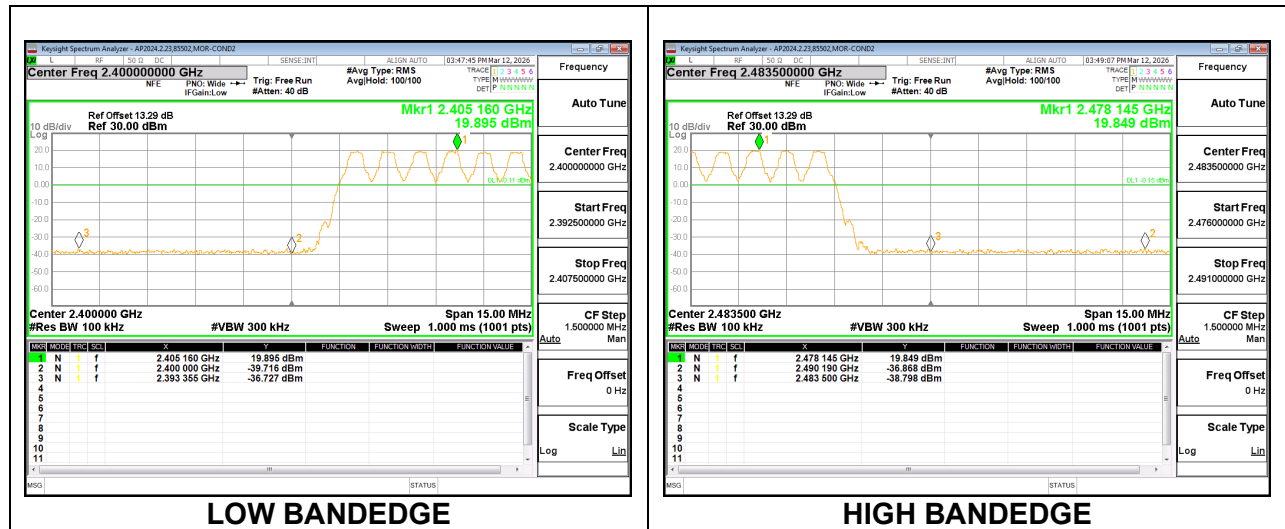
9.8.2. 1TX CHAIN 1

BLUETOOTH BASIC DATA RATE GFSK MODULATION

SPURIOUS EMISSIONS, NON-HOPPING

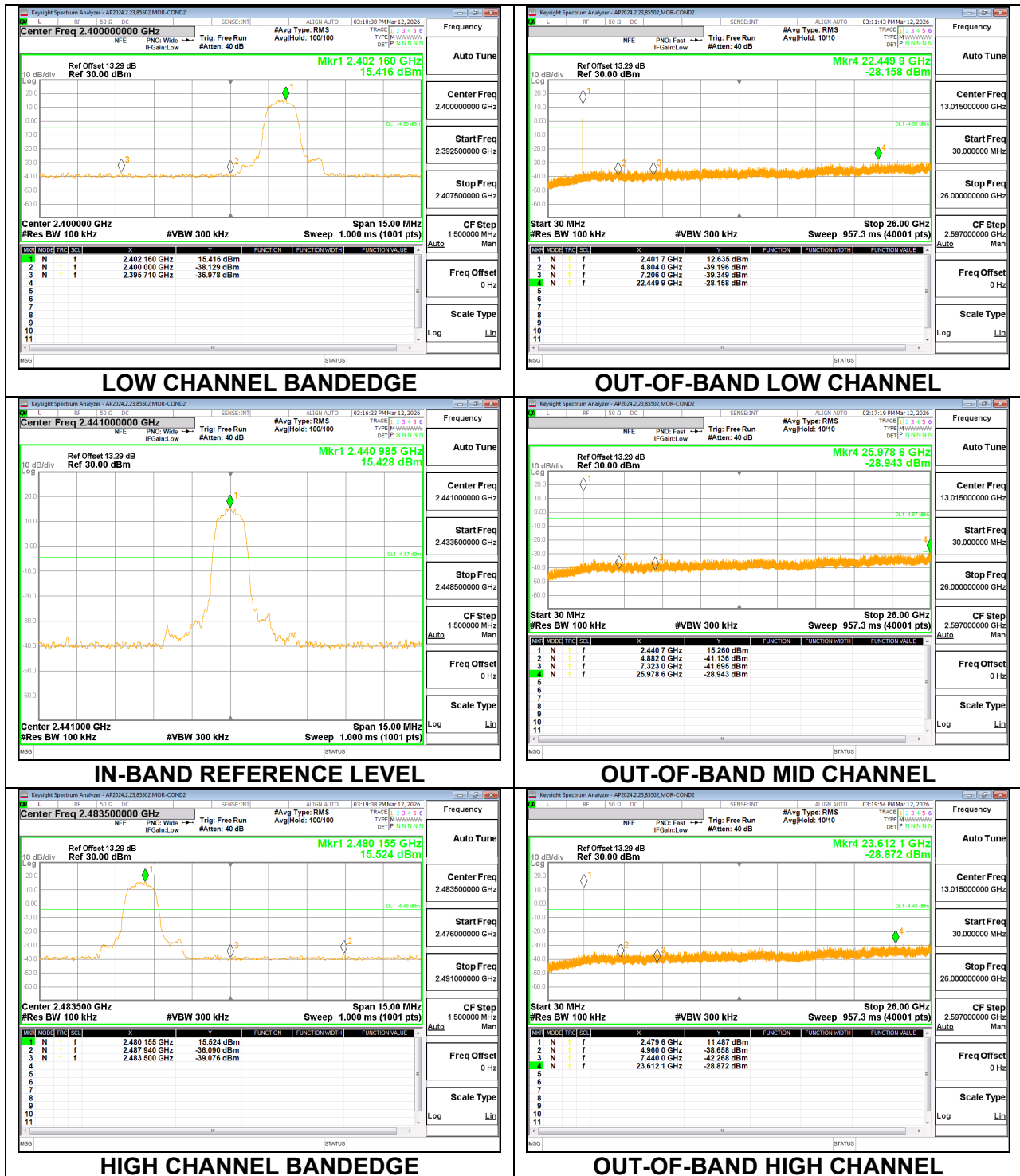


SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

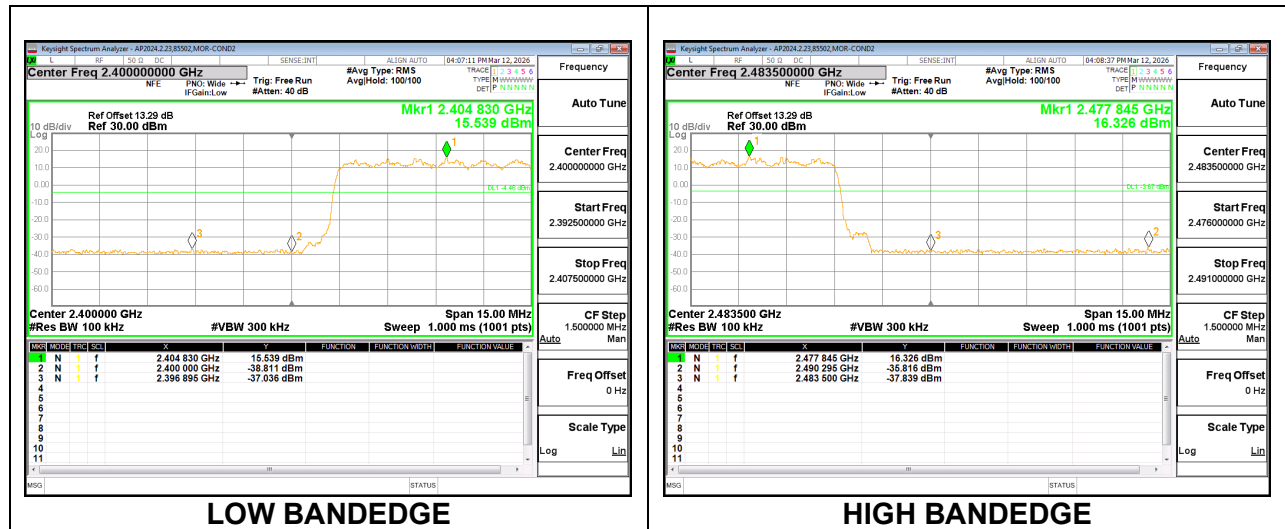


BLUETOOTH BASIC DATA RATE QPSK MODULATION

SPURIOUS EMISSIONS, NON-HOPPING

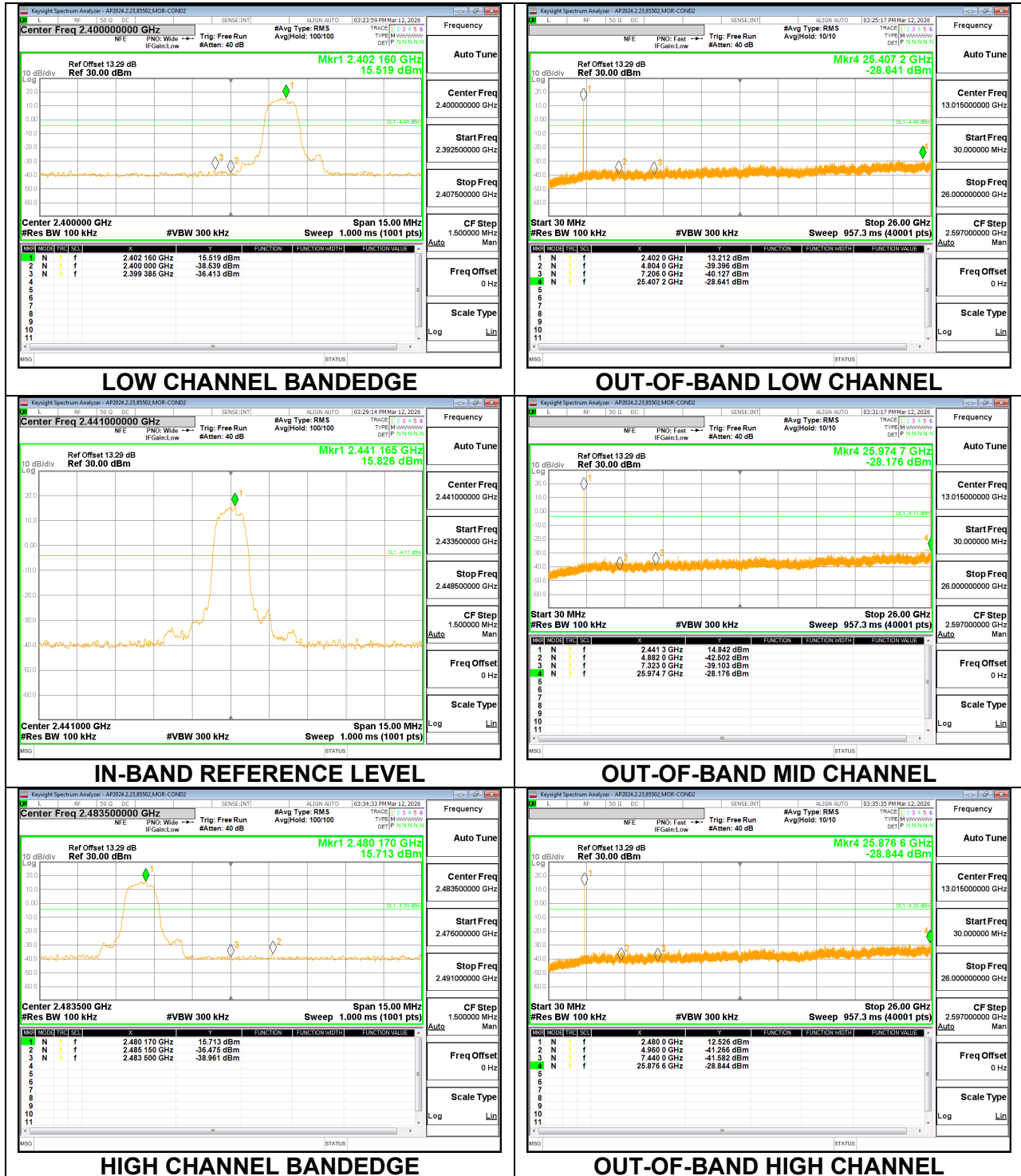


SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

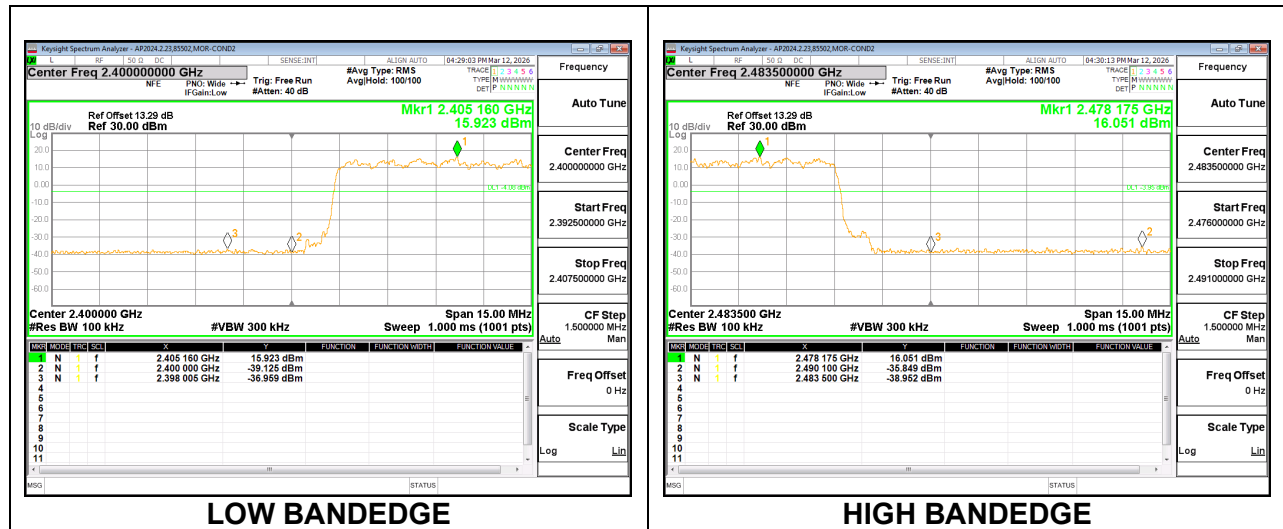


BLUETOOTH ENHANCED DATA RATE 8PSK MODULATION

SPURIOUS EMISSIONS, NON-HOPPING



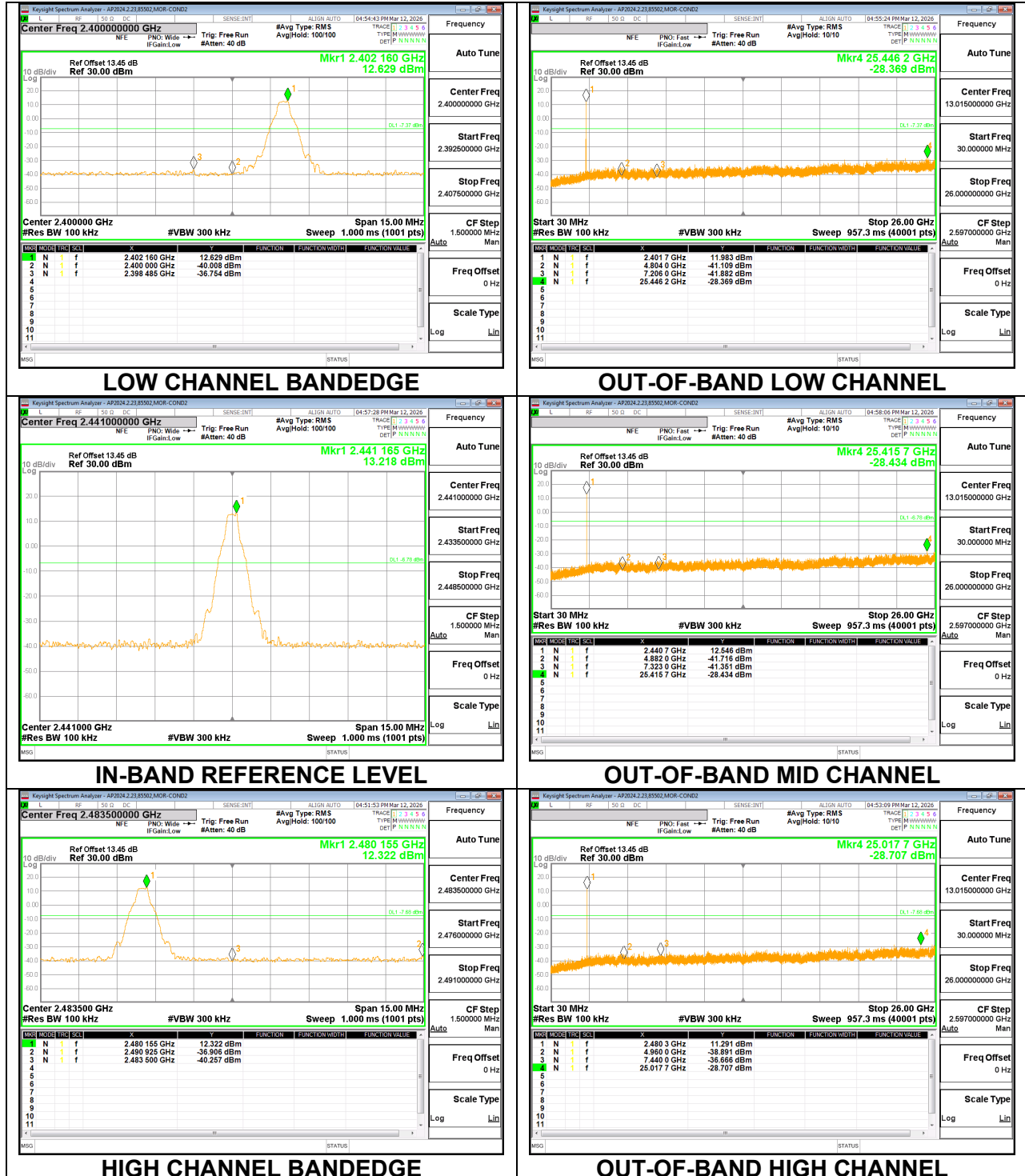
SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



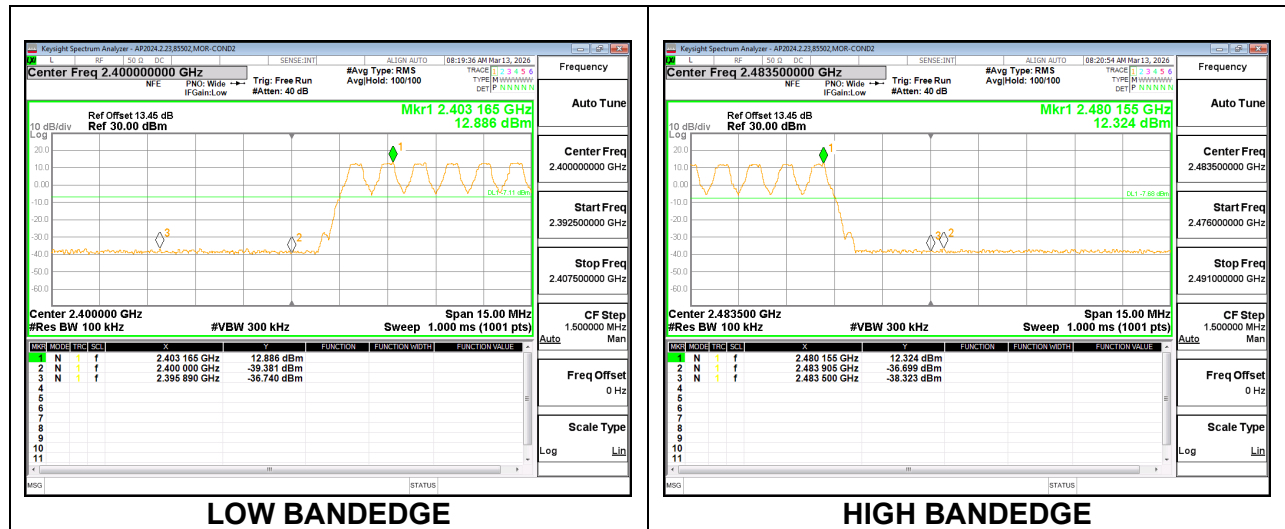
9.8.3. 2TX CHAIN 0 + CHAIN 1

BLUETOOTH BASIC DATA RATE GFSK MODULATION – CHAIN 0

SPURIOUS EMISSIONS, NON-HOPPING

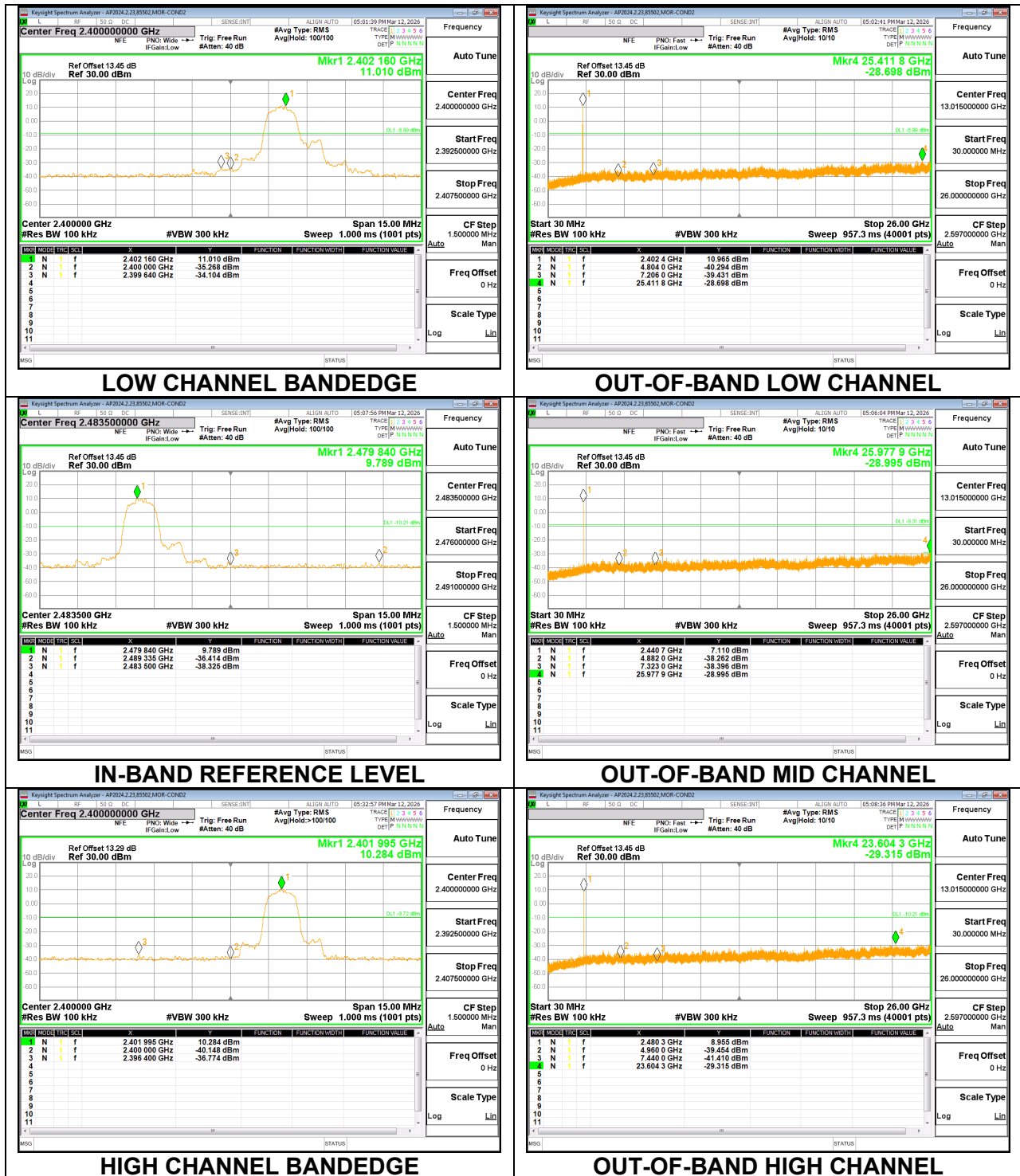


SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

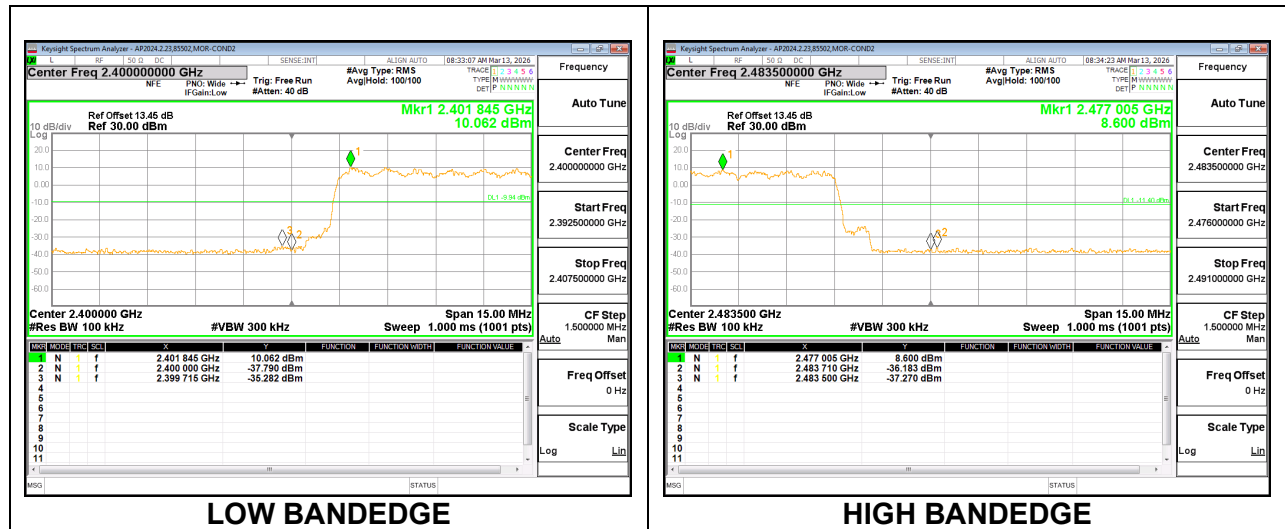


BLUETOOTH BASIC DATA RATE QPSK MODULATION – CHAIN 0

SPURIOUS EMISSIONS, NON-HOPPING

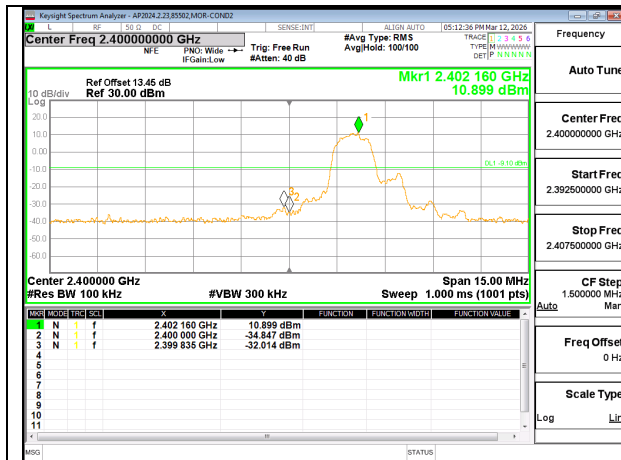


SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

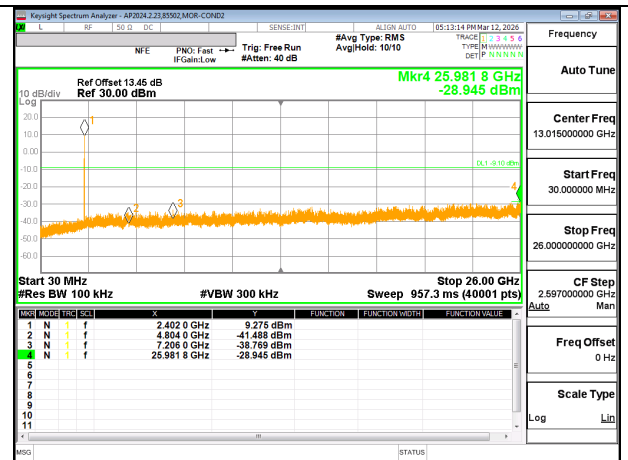


BLUETOOTH ENHANCED DATA RATE 8PSK MODULATION – CHAIN 0

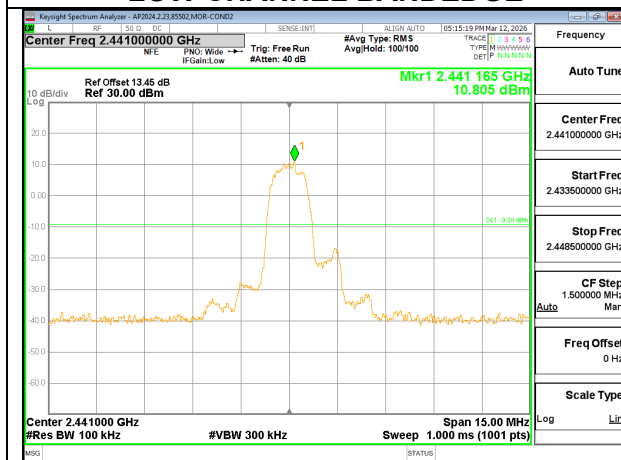
SPURIOUS EMISSIONS, NON-HOPPING



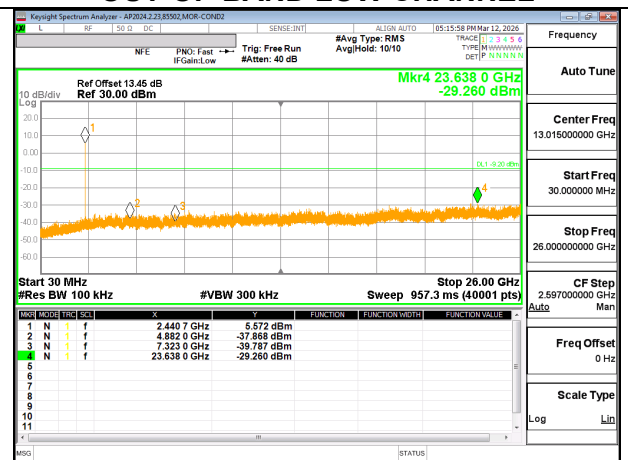
LOW CHANNEL BANDEDGE



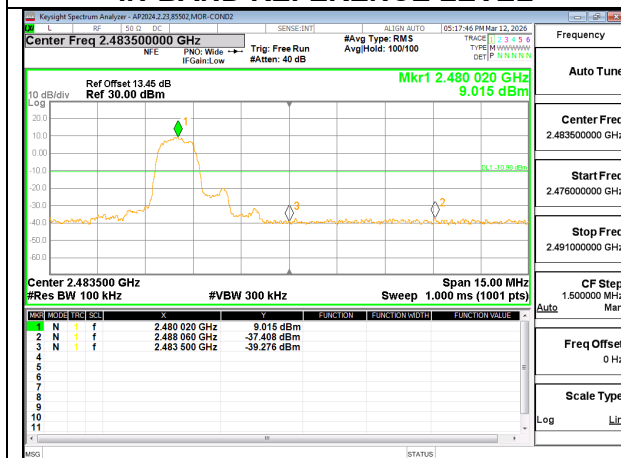
OUT-OF-BAND LOW CHANNEL



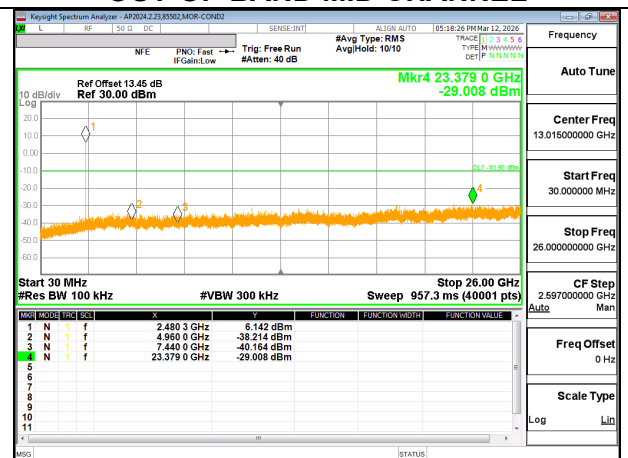
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

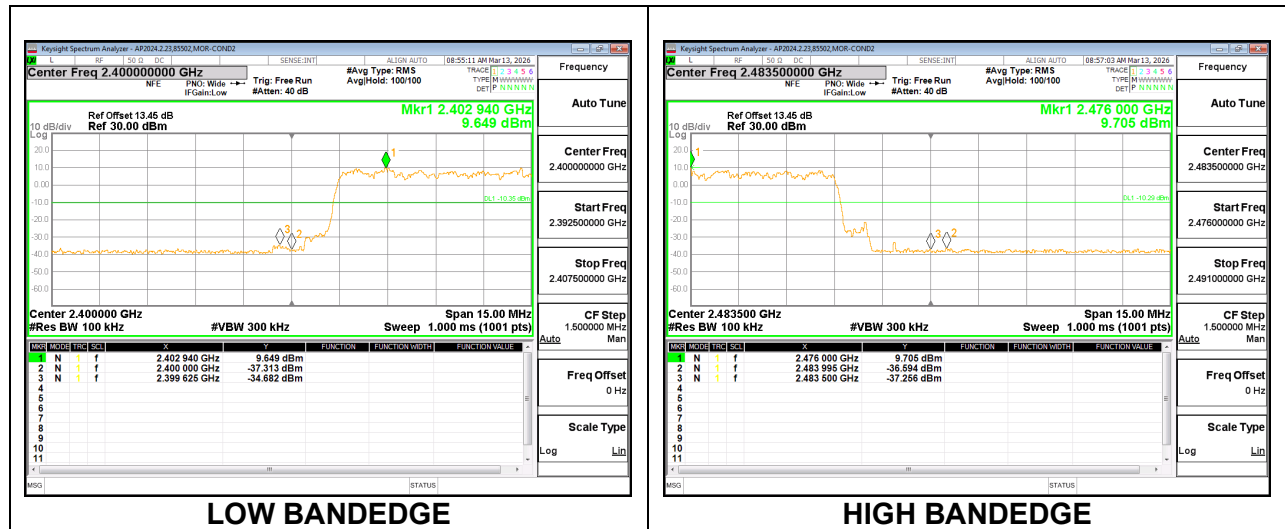


HIGH CHANNEL BANDEDGE



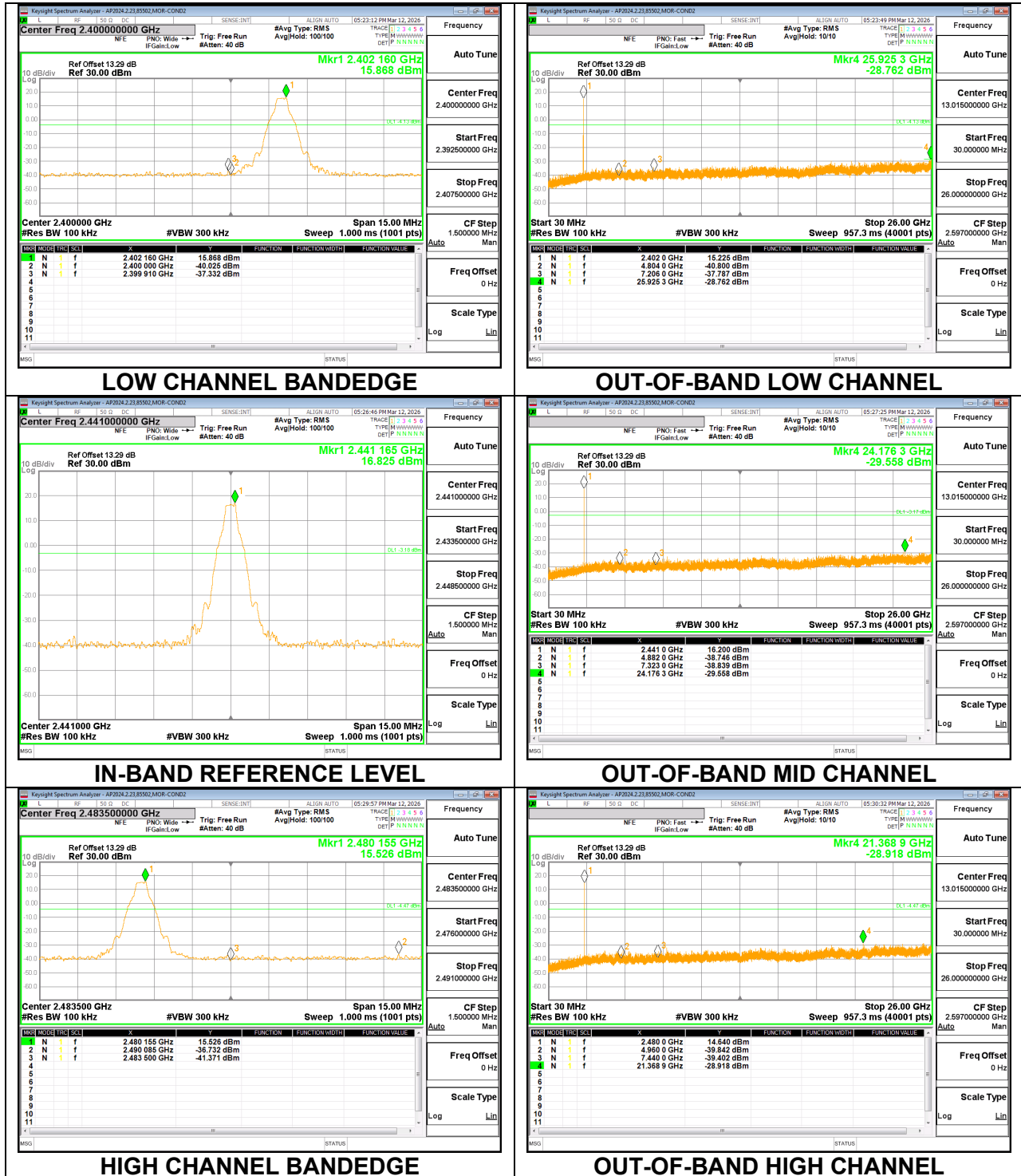
OUT-OF-BAND HIGH CHANNEL

SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

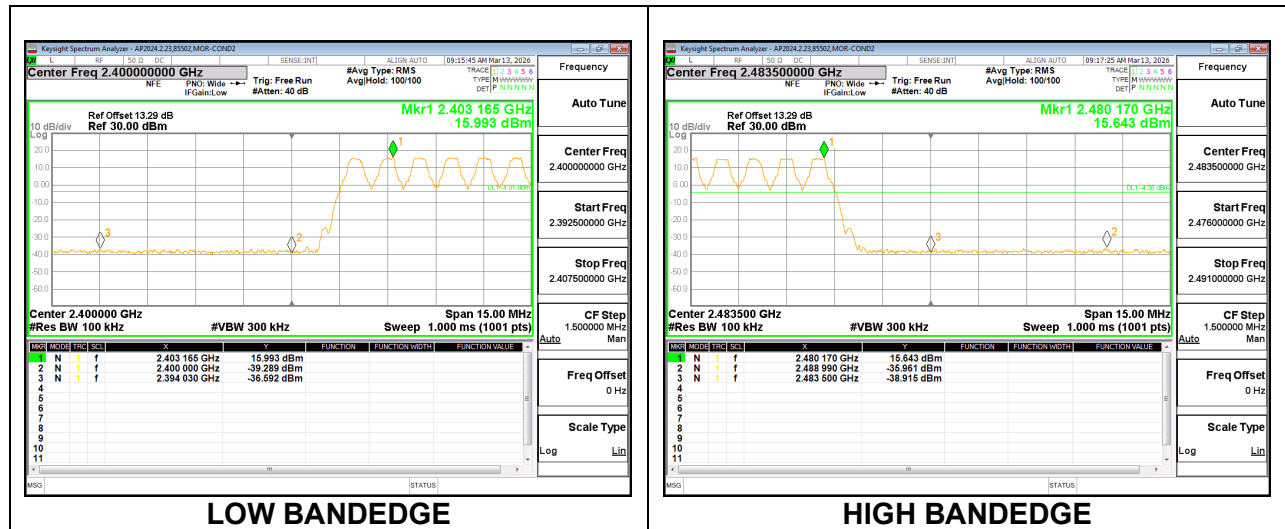


BLUETOOTH BASIC DATA RATE GFSK MODULATION – CHAIN 1

SPURIOUS EMISSIONS, NON-HOPPING

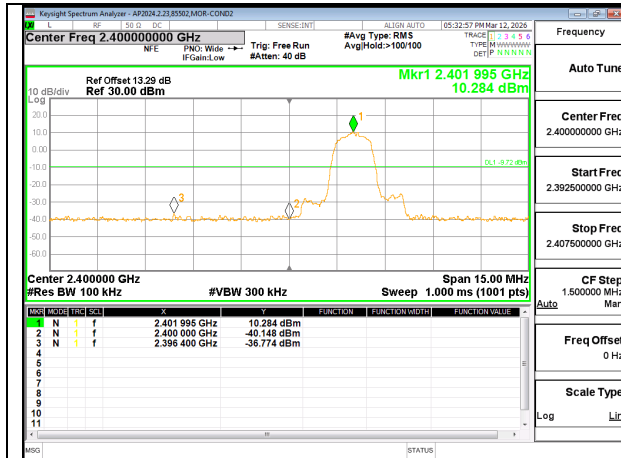


SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

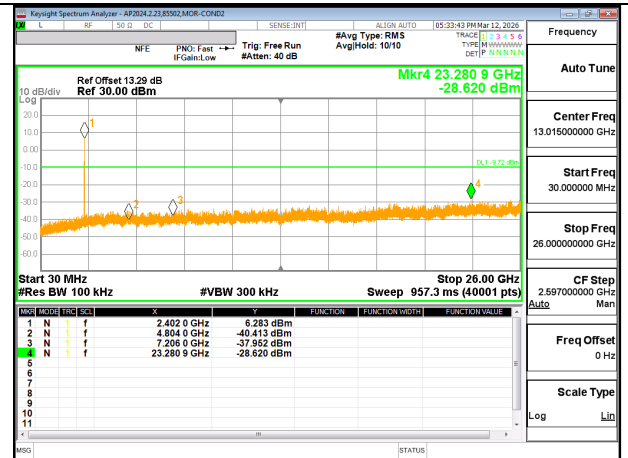


BLUETOOTH BASIC DATA RATE QPSK MODULATION – CHAIN 1

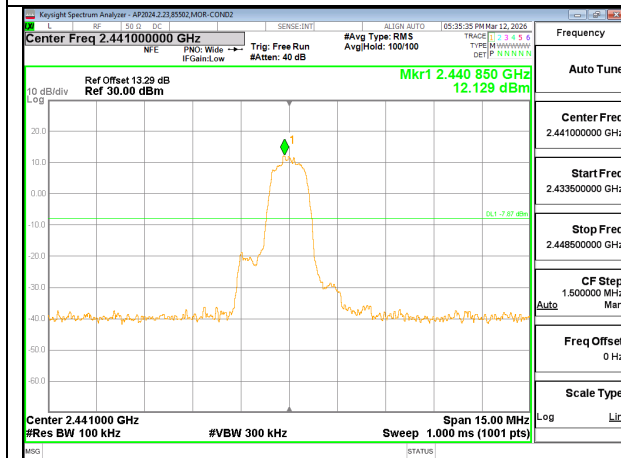
SPURIOUS EMISSIONS, NON-HOPPING



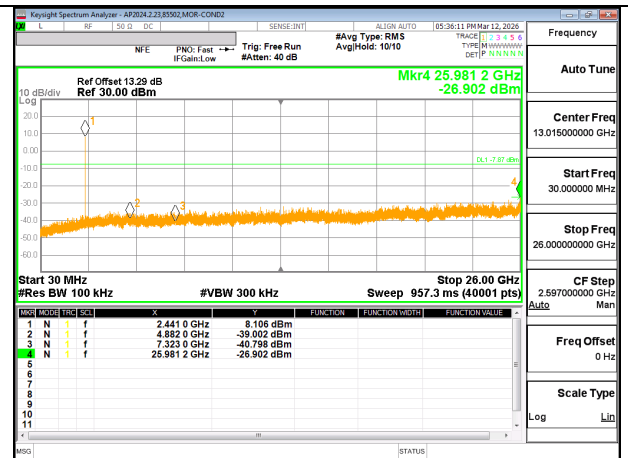
LOW CHANNEL BANDEDGE



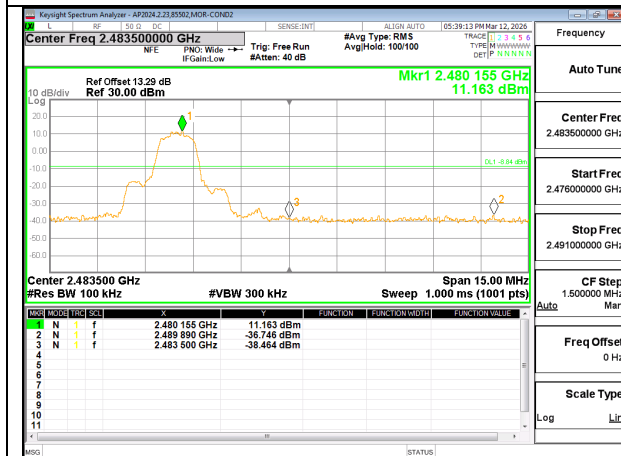
OUT-OF-BAND LOW CHANNEL



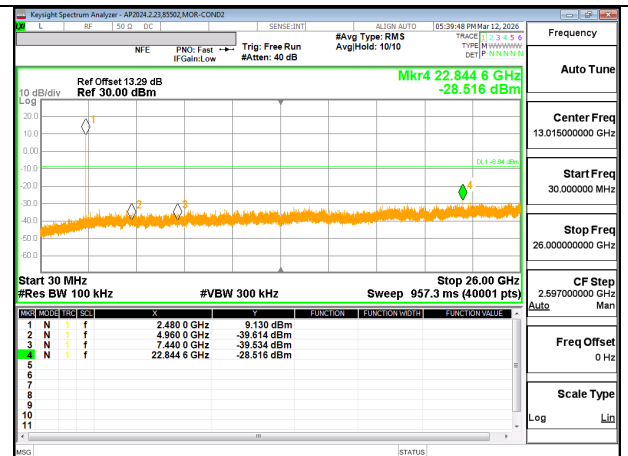
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

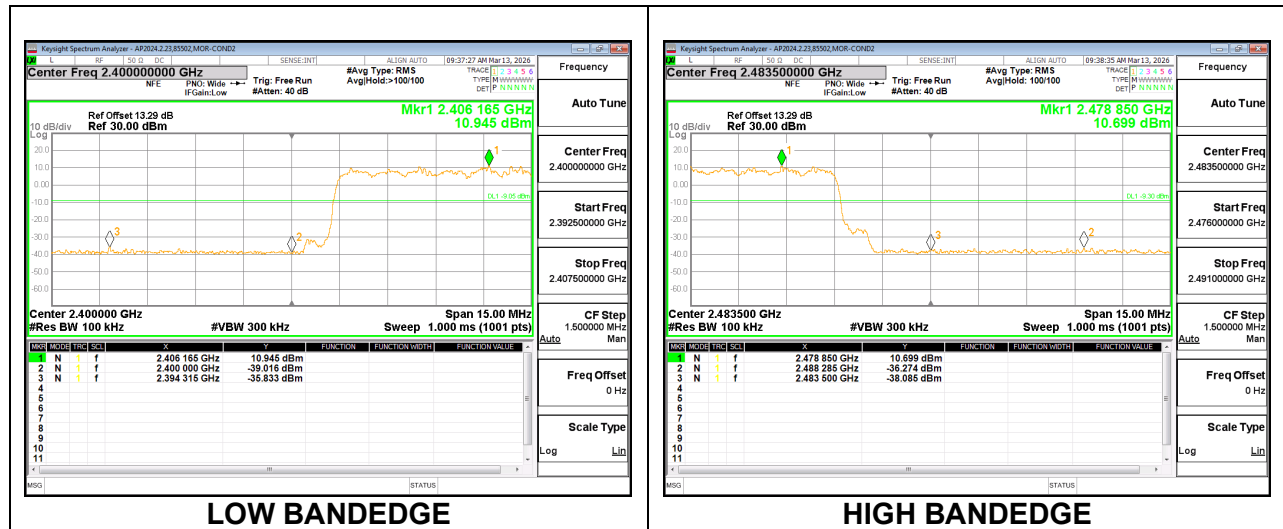


HIGH CHANNEL BANDEDGE



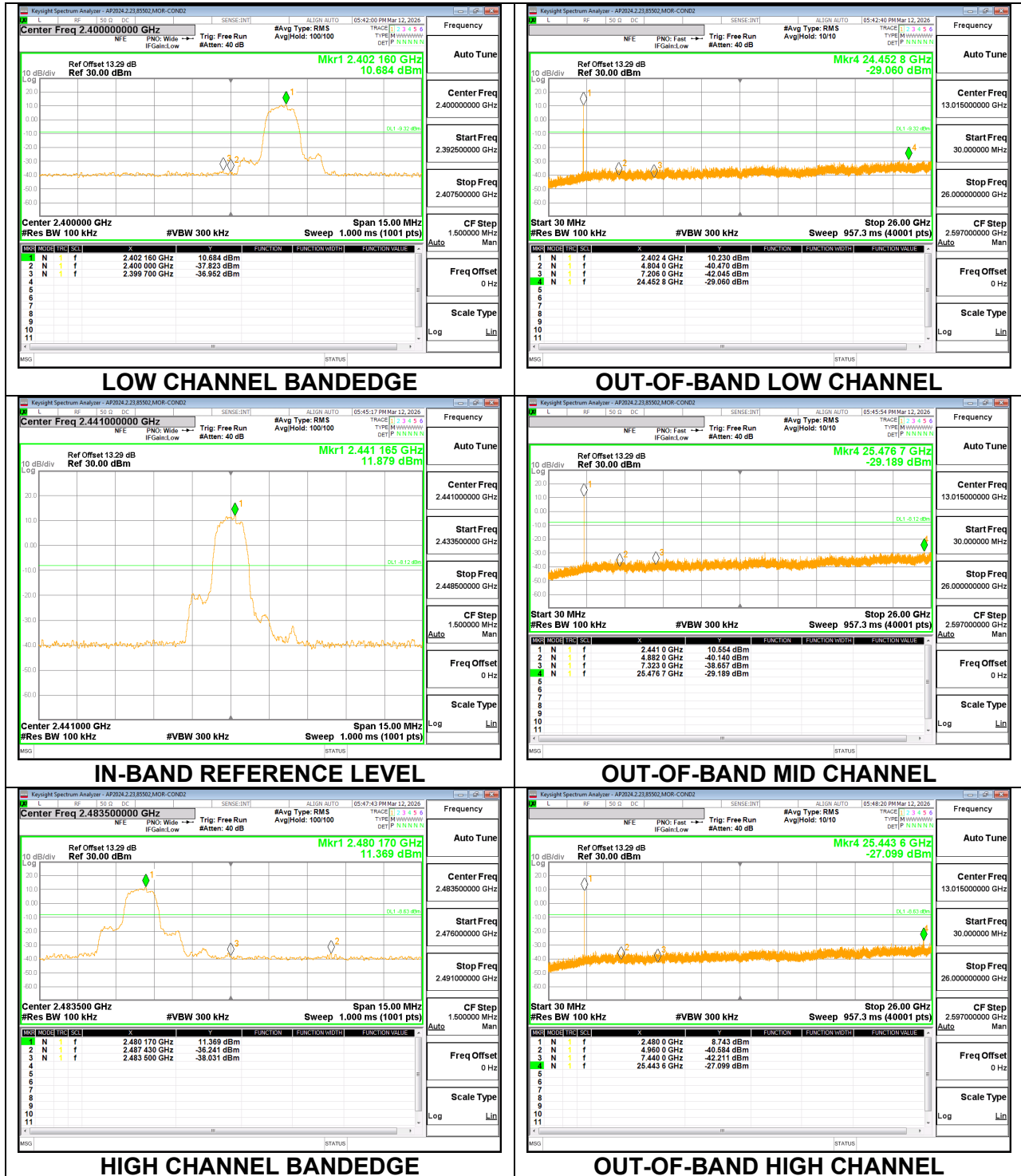
OUT-OF-BAND HIGH CHANNEL

SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON

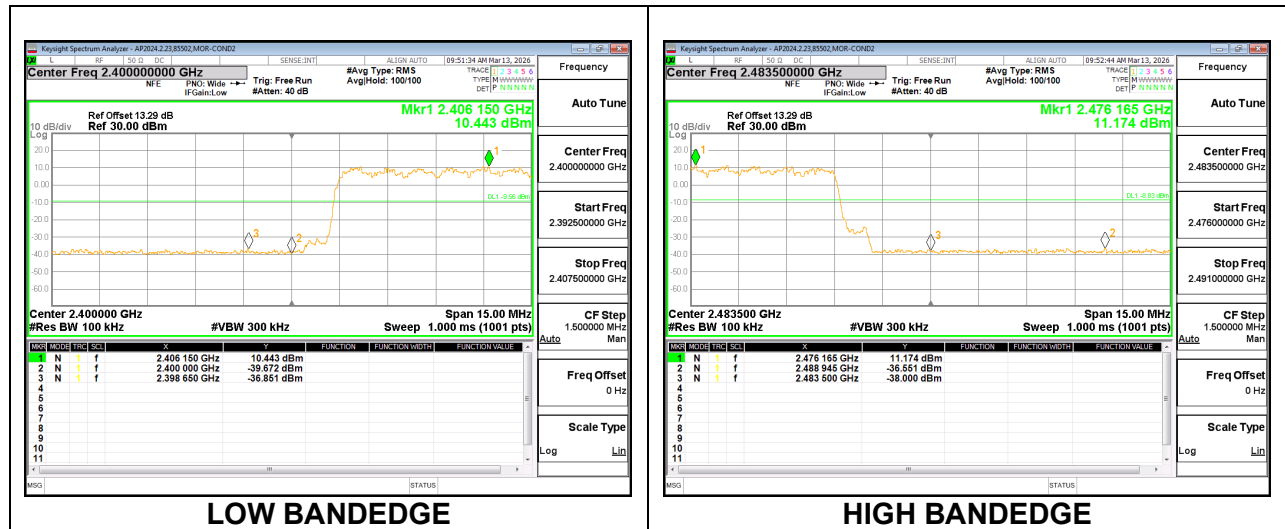


BLUETOOTH ENHANCED DATA RATE 8PSK MODULATION – CHAIN 1

SPURIOUS EMISSIONS, NON-HOPPING



SPURIOUS BANDEDGE EMISSIONS WITH HOPPING ON



10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209

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

IC RSS-GEN Clause 8.9 and 8.10

Frequency Range (kHz)	Field Strength Limit (uA/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	6.37/F(kHz) @ 300 m	-
0.490-1.705	63.7/F(kHz) @ 30 m	-
1.705 - 30	0.08 @ 30m	-
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 in the 30-1000MHz range, 9kHz for peak and/or quasi-peak detection measurements in the 0.15-30MHz range and 200Hz for peak and/or quasi-peak detection measurements in the 9 to 150kHz range. Peak detection is used unless otherwise noted as quasi-peak or average (9-90kHz and 110-490kHz).

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3MHz 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. Average measurements is taken using VBW=1/Ton for SISO mode.

For MIMO, average measurement was calculated using a DCCF based on worst-case duty cycle. Refer to section 9.1. Average = PK + (-24dB correction factor).

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 1GHz and above 18GHz 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.

3D antenna use - For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel).

Based 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.

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.

KDB 558074 D01 15.247 Meas Guidance v05r02

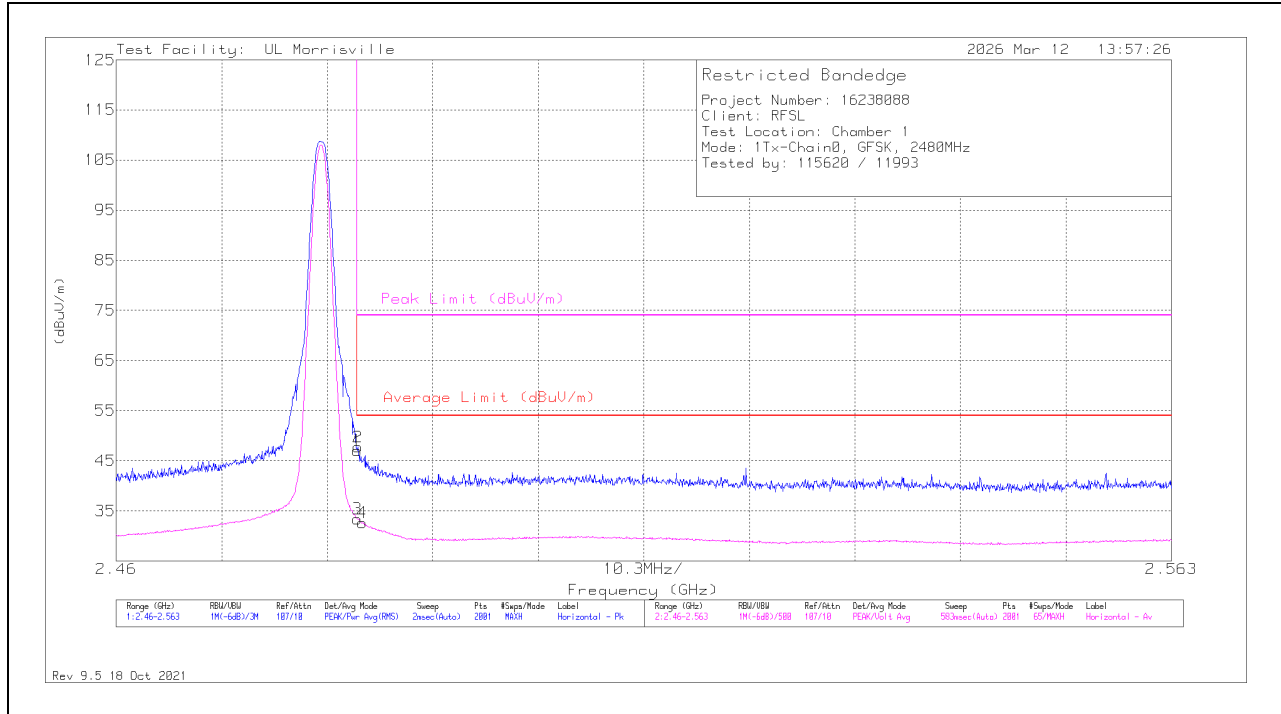
Use of a duty cycle correction factor (DCCF) is permitted for calculating average radiated field strength emission levels for an FHSS device in 15.247. This DCCF can be applied when the field strength limit (e.g., within a Government Restricted band) and the conditions specified in Section 15.35(c) can be satisfied. The average radiated field strength is calculated by subtracting the DCCF from the maximum radiated field strength level as determined through measurement. The maximum radiated field strength level represents the worst-case (maximum amplitude) RMS measurement of the emission(s) during continuous transmission (i.e., not including any time intervals during which the transmitter is off or is transmitting at a reduced power level). It is also acceptable to apply the DCCF to a measurement performed with a peak detector instead of the specified RMS power averaging detector.

Note that Section 15.35(c) specifies that the DCCF shall represent the worst case (greatest duty cycle) over any 100 msec transmission period.

10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. BANDEDGE (WORST-CASE: GFSK)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 ACF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 2.48354	39.1	Pk	32.3	-24.4	47	-	-	74	-27	256	149	H
2	* ** 2.48359	39.82	Pk	32.3	-24.4	47.72	-	-	74	-26.28	256	149	H
3	* ** 2.48354	25.5	V1TV	32.3	-24.4	33.4	54	-20.6	-	-	256	149	H
4	* ** 2.48405	24.75	V1TV	32.3	-24.4	32.65	54	-21.35	-	-	256	149	H

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

V1TV - VB=1/Ton, Linear Voltage Average where: Ton is packet duration

BANDEDGE TEST DATA

Chain	Mode	Frequency (MHz)	Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
0	GFSK	2402	1	*** 2.38996	32.68	Pk	32.1	-25.1	0	39.68	-	-	74	-34.32	257	132	H
			2	*** 2.38303	35	Pk	32.1	-25.2	0	41.9	-	-	74	-32.1	257	132	H
			3	*** 2.38996	20.83	V1TV	32.1	-25.1	0	27.83	54	-26.17	-	-	257	132	H
			4	*** 2.35368	20.94	V1TV	32	-24.7	0	28.24	54	-25.76	-	-	257	132	H
			1	*** 2.38996	33.35	Pk	32.1	-25.1	0	40.35	-	-	74	-33.65	135	393	V
			2	*** 2.34969	34.81	Pk	32	-24.7	0	42.11	-	-	74	-31.89	135	393	V
			3	*** 2.38996	20.95	V1TV	32.1	-25.1	0	27.95	54	-26.05	-	-	135	393	V
			4	*** 2.35337	20.86	V1TV	32	-24.6	0	28.26	54	-25.74	-	-	135	393	V
		2480	1	*** 2.48354	39.1	Pk	32.3	-24.4	0	47	-	-	74	-27	256	149	H
			2	*** 2.48359	39.82	Pk	32.3	-24.4	0	47.72	-	-	74	-26.28	256	149	H
			3	*** 2.48354	25.5	V1TV	32.3	-24.4	0	33.4	54	-20.6	-	-	256	149	H
			4	*** 2.48405	24.75	V1TV	32.3	-24.4	0	32.65	54	-21.35	-	-	256	149	H
			1	*** 2.48354	34.48	Pk	32.3	-24.4	0	42.38	-	-	74	-31.62	16	320	V
			2	*** 2.484	35.38	Pk	32.3	-24.4	0	43.28	-	-	74	-30.72	16	320	V
			3	*** 2.48354	22.33	V1TV	32.3	-24.4	0	30.23	54	-23.77	-	-	16	320	V
			4	*** 2.4839	22.27	V1TV	32.3	-24.4	0	30.17	54	-23.83	-	-	16	320	V
	QPSK	2402	1	*** 2.38996	33	Pk	32.1	-25.1	0	40	-	-	74	-34	259	153	H
			2	*** 2.38754	35.09	Pk	32.1	-25.1	0	42.09	-	-	74	-31.91	259	153	H
			3	*** 2.38996	20.85	V1TV	32.1	-25.1	0	27.85	54	-26.15	-	-	259	153	H
			4	*** 2.35106	20.93	V1TV	32	-24.7	0	28.23	54	-25.77	-	-	259	153	H
			1	*** 2.38996	32.61	Pk	32.1	-25.1	0	39.61	-	-	74	-34.39	172	348	V
			2	*** 2.35667	34.69	Pk	32	-25	0	41.69	-	-	74	-32.31	172	348	V
			3	*** 2.38996	20.76	V1TV	32.1	-25.1	0	27.76	54	-26.24	-	-	172	348	V
			4	*** 2.35247	20.9	V1TV	32	-24.7	0	28.2	54	-25.8	-	-	172	348	V
		2480	1	*** 2.48354	42.04	Pk	32.3	-24.4	0	49.94	-	-	74	-24.06	270	108	H
			2	*** 2.48359	43.03	Pk	32.3	-24.4	0	50.93	-	-	74	-23.07	270	108	H
			3	*** 2.48354	24.91	V1TV	32.3	-24.4	0	32.81	54	-21.19	-	-	270	108	H
			4	*** 2.4839	24.3	V1TV	32.3	-24.4	0	32.2	54	-21.8	-	-	270	108	H
			1	*** 2.48354	36.41	Pk	32.3	-24.4	0	44.31	-	-	74	-29.69	86	106	V
			2	*** 2.48369	36.23	Pk	32.3	-24.4	0	44.13	-	-	74	-29.87	86	106	V
			3	*** 2.48354	22.38	V1TV	32.3	-24.4	0	30.28	54	-23.72	-	-	86	106	V
			4	*** 2.48374	22.18	V1TV	32.3	-24.4	0	30.08	54	-23.92	-	-	86	106	V
	8PSK	2402	1	*** 2.38996	32.3	Pk	32.1	-25.1	0	39.3	-	-	74	-34.7	254	175	H
			2	*** 2.38817	35.34	Pk	32.1	-25.1	0	42.34	-	-	74	-31.66	254	175	H
			3	*** 2.38996	20.77	V1TV	32.1	-25.1	0	27.77	54	-26.23	-	-	254	175	H
			4	*** 2.35058	20.79	V1TV	32	-24.7	0	28.09	54	-25.91	-	-	254	175	H
			1	*** 2.38996	33.47	Pk	32.1	-25.1	0	40.47	-	-	74	-33.53	165	349	V
			2	*** 2.35037	34.45	Pk	32	-24.7	0	41.75	-	-	74	-32.25	165	349	V
			3	*** 2.38996	20.63	V1TV	32.1	-25.1	0	27.63	54	-26.37	-	-	165	349	V
			4	*** 2.35305	20.72	V1TV	32	-24.6	0	28.12	54	-25.88	-	-	165	349	V
		2480	1	*** 2.48354	39	Pk	32.3	-24.4	0	46.9	-	-	74	-27.1	288	351	H
			2	*** 2.48364	39.05	Pk	32.3	-24.4	0	46.95	-	-	74	-27.05	288	351	H
			3	*** 2.48354	24.33	V1TV	32.3	-24.4	0	32.23	54	-21.77	-	-	288	351	H
			4	*** 2.484	23.41	V1TV	32.3	-24.4	0	31.31	54	-22.69	-	-	288	351	H
			1	*** 2.48354	36.82	Pk	32.3	-24.4	0	44.72	-	-	74	-29.28	12	359	V
			2	*** 2.4839	37.11	Pk	32.3	-24.4	0	45.01	-	-	74	-28.99	12	359	V
			3	*** 2.48354	23.29	V1TV	32.3	-24.4	0	31.19	54	-22.81	-	-	12	359	V
			4	*** 2.48359	23.46	V1TV	32.3	-24.4	0	31.36	54	-22.64	-	-	12	359	V
1	GFSK	2402	1	*** 2.38996	34.73	Pk	32.1	-25.1	0	41.73	-	-	74	-32.27	77	137	H
			2	*** 2.35904	35.79	Pk	32	-25.3	0	42.49	-	-	74	-31.51	77	137	H
			3	*** 2.38996	20.9	V1TV	32.1	-25.1	0	27.9	54	-26.1	-	-	77	137	H
			4	*** 2.3519	20.87	V1TV	32	-24.7	0	28.17	54	-25.83	-	-	77	137	H
			1	*** 2.38996	33.61	Pk	32.1	-25.1	0	40.61	-	-	74	-33.39	329	281	V
			2	*** 2.33793	34.91	Pk	31.9	-24.9	0	41.91	-	-	74	-32.09	329	281	V
			3	*** 2.38996	20.92	V1TV	32.1	-25.1	0	27.92	54	-26.08	-	-	329	281	V
			4	*** 2.34896	20.93	V1TV	32	-24.7	0	28.23	54	-25.77	-	-	329	281	V
		2480	1	*** 2.48354	37.69	Pk	32.3	-24.4	0	45.59	-	-	74	-28.41	294	150	H
			2	*** 2.48446	36.93	Pk	32.3	-24.4	0	44.83	-	-	74	-29.17	294	150	H
			3	*** 2.48354	25.15	V1TV	32.3	-24.4	0	33.05	54	-20.95	-	-	294	150	H
			4	*** 2.48374	24.94	V1TV	32.3	-24.4	0	32.84	54	-21.16	-	-	294	150	H

Chain	Mode	Frequency (MHz)	Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
MIMO	QPSK		1	*** 2.48354	35.26	Pk	32.3	-24.4	0	43.16	-	-	74	-30.84	120	373	V
			2	*** 2.484	36.17	Pk	32.3	-24.4	0	44.07	-	-	74	-29.93	120	373	V
			3	*** 2.48354	23.1	V1TV	32.3	-24.4	0	31	54	-23	-	-	120	373	V
			4	*** 2.48359	23.18	V1TV	32.3	-24.4	0	31.08	54	-22.92	-	-	120	373	V
		2402	1	*** 2.38996	33.33	Pk	32.1	-25.1	0	40.33	-	-	74	-33.67	80	140	H
			2	*** 2.35835	34.83	Pk	32	-25.2	0	41.63	-	-	74	-32.37	80	140	H
			3	*** 2.38996	20.75	V1TV	32.1	-25.1	0	27.75	54	-26.25	-	-	80	140	H
			4	*** 2.3531	20.79	V1TV	32	-24.6	0	28.19	54	-25.81	-	-	80	140	H
			1	*** 2.38996	32.17	Pk	32.1	-25.1	0	39.17	-	-	74	-34.83	328	283	V
			2	*** 2.34255	35.17	Pk	31.9	-24.9	0	42.17	-	-	74	-31.83	328	283	V
			3	*** 2.38996	20.68	V1TV	32.1	-25.1	0	27.68	54	-26.32	-	-	328	283	V
			4	*** 2.35258	20.91	V1TV	32	-24.7	0	28.21	54	-25.79	-	-	328	283	V
		2480	1	*** 2.48354	36.92	Pk	32.3	-24.4	0	44.82	-	-	74	-29.18	4	145	H
			2	*** 2.48359	37.42	Pk	32.3	-24.4	0	45.32	-	-	74	-28.68	4	145	H
			3	*** 2.48354	24.24	V1TV	32.3	-24.4	0	32.14	54	-21.86	-	-	4	145	H
			4	*** 2.48379	23.72	V1TV	32.3	-24.4	0	31.62	54	-22.38	-	-	4	145	H
			1	*** 2.48354	34.55	Pk	32.3	-24.4	0	42.45	-	-	74	-31.55	358	351	V
			2	** 2.50573	34.98	Pk	32.3	-24.2	0	43.08	-	-	74	-30.92	358	351	V
			3	*** 2.48354	22.09	V1TV	32.3	-24.4	0	29.99	54	-24.01	-	-	358	351	V
			4	*** 2.4839	22	V1TV	32.3	-24.4	0	29.9	54	-24.1	-	-	358	351	V
	8PSK	2402	1	*** 2.38996	32.18	Pk	32.1	-25.1	0	39.18	-	-	74	-34.82	358	113	H
			2	*** 2.38765	35.29	Pk	32.1	-25.1	0	42.29	-	-	74	-31.71	358	113	H
			3	*** 2.38996	20.76	V1TV	32.1	-25.1	0	27.76	54	-26.24	-	-	358	113	H
			4	*** 2.35342	20.88	V1TV	32	-24.6	0	28.28	54	-25.72	-	-	358	113	H
			1	*** 2.38996	33.37	Pk	32.1	-25.1	0	40.37	-	-	74	-33.63	332	251	V
			2	*** 2.34381	35.05	Pk	31.9	-24.9	0	42.05	-	-	74	-31.95	332	251	V
			3	*** 2.38996	20.67	V1TV	32.1	-25.1	0	27.67	54	-26.33	-	-	332	251	V
			4	*** 2.35331	20.78	V1TV	32	-24.6	0	28.18	54	-25.82	-	-	332	251	V
		2480	1	*** 2.48354	40.73	Pk	32.3	-24.4	0	48.63	-	-	74	-25.37	300	142	H
			2	*** 2.48395	39.94	Pk	32.3	-24.4	0	47.84	-	-	74	-26.16	300	142	H
			3	*** 2.48354	24.73	V1TV	32.3	-24.4	0	32.63	54	-21.37	-	-	300	142	H
			4	*** 2.48364	24.53	V1TV	32.3	-24.4	0	32.43	54	-21.57	-	-	300	142	H
			1	*** 2.48354	36.39	Pk	32.3	-24.4	0	44.29	-	-	74	-29.71	330	329	V
			2	*** 2.48364	36.2	Pk	32.3	-24.4	0	44.1	-	-	74	-29.9	330	329	V
			3	*** 2.48354	22.66	V1TV	32.3	-24.4	0	30.56	54	-23.44	-	-	330	329	V
			4	*** 2.48359	22.69	V1TV	32.3	-24.4	0	30.59	54	-23.41	-	-	330	329	V
	GFSK	2402	1	*** 2.38996	33.65	Pk	32.1	-25.1	0	40.65	-	-	74	-33.35	299	112	H
				*** 2.38996	33.65	Pk	32.1	-25.1	-24	16.65	54	-37.35	-	-	299	112	H
			2	*** 2.34985	34.84	Pk	32	-24.7	0	42.14	-	-	74	-31.86	299	112	H
				*** 2.34985	34.84	Pk	32	-24.7	-24	18.14	54	-35.86	-	-	299	112	H
			1	*** 2.38996	32.63	Pk	32.1	-25.1	0	39.63	-	-	74	-34.37	231	315	V
				*** 2.38996	32.63	Pk	32.1	-25.1	-24	-15.63	54	-38.37	-	-	231	315	V
			2	*** 2.32024	35.55	Pk	31.8	-24.9	0	42.45	-	-	74	-31.55	231	315	V
				*** 2.32024	35.55	Pk	31.8	-24.9	-24	18.45	54	-35.55	-	-	231	315	V
		2480	1	*** 2.48354	47.05	Pk	32.3	-24.4	0	54.95	-	-	74	-19.05	258	130	H
				*** 2.48354	47.05	Pk	32.3	-24.4	-24	30.95	54	-23.05	-	-	258	130	H
			2	*** 2.48369	45.07	Pk	32.3	-24.4	0	52.97	-	-	74	-21.03	258	130	H
				*** 2.48369	45.07	Pk	32.3	-24.4	-24	28.97	54	-25.03	-	-	258	130	H
			1	*** 2.48354	37.34	Pk	32.3	-24.4	0	45.24	-	-	74	-28.76	1	144	V
				*** 2.48354	37.34	Pk	32.3	-24.4	-24	21.24	54	-32.76	-	-	1	144	V
			2	*** 2.4839	35.73	Pk	32.3	-24.4	0	43.63	-	-	74	-30.37	1	144	V
				*** 2.4839	35.73	Pk	32.3	-24.4	-24	19.63	54	-34.37	-	-	1	144	V
	QPSK	2402	1	*** 2.38996	33.93	Pk	32.1	-25.1	0	40.93	-	-	74	-33.07	299	112	H
				*** 2.38996	33.93	Pk	32.1	-25.1	-24	16.93	54	-37.07	-	-	299	112	H
			2	*** 2.35179	35.42	Pk	32	-24.7	0	42.72	-	-	74	-31.28	299	112	H
				*** 2.35179	35.42	Pk	32	-24.7	-24	18.72	54	-35.38	-	-	299	112	H
			1	*** 2.38996	33.42	Pk	32.1	-25.1	0	40.42	-	-	74	-33.58	99	399	V
				*** 2.38996	33.42	Pk	32.1	-25.1	-24	16.42	54	-37.58	-	-	99	399	V
			2	*** 2.31767	35.38	Pk	31.8	-24.9	0	42.28	-	-	74	-31.72	99	399	V
				*** 2.31767	35.38	Pk	31.8	-24.9	-24	18.28	54	-35.72	-	-	99	399	V
		2480	1	*** 2.48354	40.69	Pk	32.3	-24.4	0	48.59	-	-	74	-25.41	247	179	H
				*** 2.48354	40.69	Pk	32.3	-24.4	-24	24.59	54	-29.41	-	-	247	179	H

Chain	Mode	Frequency (MHz)	Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
			2	* ** 2.48374	39.62	Pk	32.3	-24.4	0	47.52	-	-	74	-26.48	247	179	H
				* ** 2.48374	39.62	Pk	32.3	-24.4	-24	23.52	54	-30.48	-	-	247	179	H
			1	* ** 2.48354	40.68	Pk	32.3	-24.4	0	48.58	-	-	74	-25.42	93	369	V
				* ** 2.48354	40.68	Pk	32.3	-24.4	-24	24.58	54	-29.42	-	-	93	369	V
			2	* ** 2.48374	39.1	Pk	32.3	-24.4	0	47	-	-	74	-27	93	369	V
				* ** 2.48374	39.1	Pk	32.3	-24.4	-24	23	54	-31	-	-	93	369	V
		2402	1	* ** 2.38996	33.05	Pk	32.1	-25.1	0	40.05	-	-	74	-33.95	8	130	H
				* ** 2.38996	33.05	Pk	32.1	-25.1	-24	16.05	54	-37.95	-	-	8	130	H
			2	* ** 2.35662	35.49	Pk	32	-25	0	42.49	-	-	74	-31.51	8	130	H
				* ** 2.35662	35.49	Pk	32	-25	-24	18.49	54	-35.51	-	-	8	130	H
			1	* ** 2.38996	33.72	Pk	32.1	-25.1	0	40.72	-	-	74	-33.28	28	204	V
				* ** 2.38996	33.72	Pk	32.1	-25.1	-24	16.72	54	-37.28	-	-	28	204	V
			2	* ** 2.32234	35.1	Pk	31.8	-24.9	0	42	-	-	74	-32	28	204	V
				* ** 2.32234	35.1	Pk	31.8	-24.9	-24	18	54	-36	-	-	28	204	V
	8PSK	2480	1	* ** 2.48354	39.39	Pk	32.3	-24.4	0	47.29	-	-	74	-26.71	267	111	H
				* ** 2.48354	39.39	Pk	32.3	-24.4	-24	23.29	54	-30.71	-	-	267	111	H
			2	* ** 2.48359	40.45	Pk	32.3	-24.4	0	48.35	-	-	74	-25.65	267	111	H
				* ** 2.48359	40.45	Pk	32.3	-24.4	-24	24.35	54	-29.65	-	-	267	111	H
			1	* ** 2.48354	40.49	Pk	32.3	-24.4	0	48.39	-	-	74	-25.61	105	332	V
				* ** 2.48354	40.49	Pk	32.3	-24.4	-24	24.39	54	-29.61	-	-	105	332	V
			2	* ** 2.48359	40.62	Pk	32.3	-24.4	0	48.52	-	-	74	-25.48	105	332	V
				* ** 2.48359	40.62	Pk	32.3	-24.4	-24	24.52	54	-29.48	-	-	105	332	V

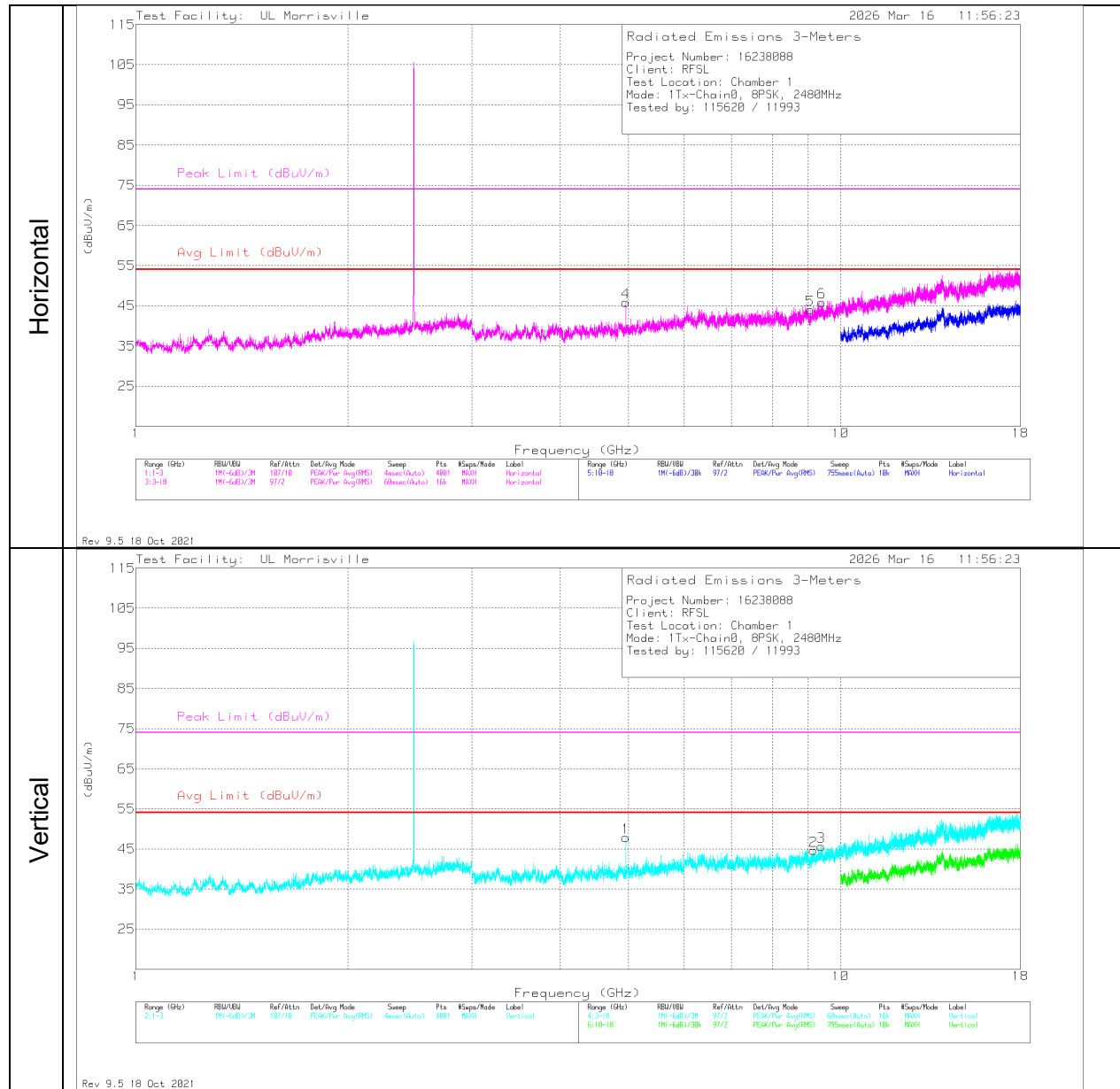
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

V1TV - Average using VBW=1/Ton

10.1.2. HARMONICS AND SPURIOUS (WORST-CASE: 8PSK)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	88761 ACF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	*** 4.95984	57.68	Pk	33.9	-45.7	45.88	54	-8.12	74	-28.12	0-360	101	H
5	*** 9.0525	49.57	Pk	36.1	-41.6	44.07	54	-9.93	74	-29.93	0-360	101	H
6	*** 9.40406	49.73	Pk	36.5	-40.3	45.93	54	-8.07	74	-28.07	0-360	101	H
1	*** 4.95938	59.63	Pk	33.9	-45.7	47.83	54	-6.17	74	-26.17	0-360	101	V
2	*** 9.15188	49.04	Pk	36.2	-40.6	44.64	54	-9.36	74	-29.36	0-360	200	V
3	*** 9.38531	50.76	Pk	36.5	-41.6	45.66	54	-8.34	74	-28.34	0-360	101	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

HARMONICS AND SPURIOUS TEST DATA

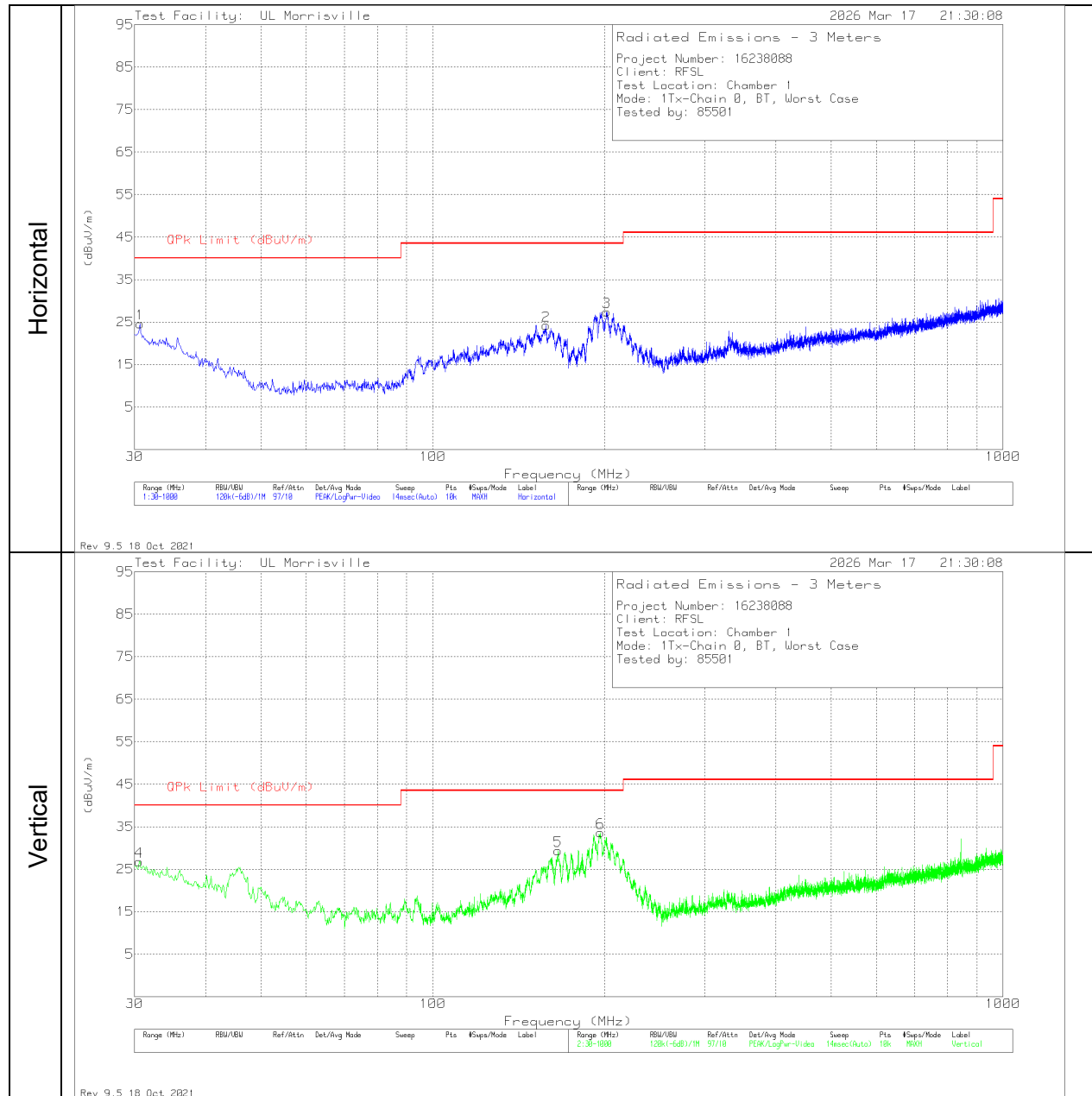
Chain	Mode	Frequency (MHz)	Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
0	GFSK	2402	4	*** 1.2065	42.42	Pk	28.5	-25.4	0	45.52	54	-8.48	74	-28.48	0-360	199	H
			5	*** 1.157	36.01	Pk	28	-25	0	39.01	54	-14.99	74	-34.99	0-360	199	H
			2	*** 1.20895	50.36	PK2	28.5	-25.2	0	53.66	-	-	74	-20.34	185	134	V
				*** 1.2078	22.14	V1TV	28.5	-25.3	0	25.34	54	-28.66	-	-	185	134	V
			3	*** 1.151	41.66	Pk	27.9	-25.6	0	43.96	54	-10.04	74	-30.04	0-360	101	V
			6	*** 4.88344	53.05	Pk	34.1	-45.4	0	41.75	54	-12.25	74	-32.25	0-360	200	H
			1	*** 4.80375	60.29	Pk	33.9	-47	0	47.19	54	-6.81	74	-26.81	0-360	101	V
		2441	4	*** 4.88156	58.6	Pk	34.1	-45.4	0	47.3	54	-6.7	74	-26.7	0-360	101	H
			5	*** 8.08406	51.66	Pk	35.7	-42.6	0	44.76	54	-9.24	74	-29.24	0-360	101	H
			6	*** 9.18844	50.28	Pk	36.3	-41.3	0	45.28	54	-8.72	74	-28.72	0-360	101	H
			1	*** 4.88223	61.28	PK2	34.1	-45.4	0	49.98	-	-	74	-24.02	248	102	V
				*** 4.88198	55.79	V1TV	34.1	-45.4	0	44.49	54	-9.51	-	-	248	102	V
			2	*** 9.3975	50.5	Pk	36.5	-40.7	0	46.3	54	-7.7	74	-27.7	0-360	101	V
			3	*** 8.1225	51.49	Pk	35.7	-42.2	0	44.99	54	-9.01	74	-29.01	0-360	200	V
		2480	4	*** 4.96022	63.19	PK2	33.9	-45.7	0	51.39	-	-	74	-22.61	255	115	H
				** 4.96	59.06	V1TV	33.9	-45.7	0	47.26	54	-6.74	-	-	255	115	H
			5	*** 9.33563	50.21	Pk	36.4	-40.9	0	45.71	54	-8.29	74	-28.29	0-360	101	H
			6	*** 9.12	49.34	Pk	36.2	-41.6	0	43.94	54	-10.06	74	-30.06	0-360	200	H
			1	*** 4.95968	63.25	PK2	33.9	-45.7	0	51.45	-	-	74	-22.55	234	141	V
				*** 4.96002	59.16	V1TV	33.9	-45.7	0	47.36	54	-6.64	-	-	234	141	V
	QPSK	2402	2	*** 9.39844	50.4	Pk	36.5	-40.6	0	46.3	54	-7.7	74	-27.7	0-360	200	V
			3	*** 9.05625	49.58	Pk	36.1	-41.5	0	44.18	54	-9.82	74	-29.82	0-360	200	V
			4	*** 1.1545	35.18	Pk	27.9	-25.2	0	37.88	54	-16.12	74	-36.12	0-360	200	H
			5	*** 1.20681	53.23	PK2	28.5	-25.4	0	56.33	-	-	74	-17.67	31	369	H
				*** 1.2118	21.99	V1TV	28.5	-25.2	0	25.29	54	-28.71	-	-	31	369	H
			1	*** 1.20705	54.24	PK2	28.5	-25.4	0	57.34	-	-	74	-16.66	202	126	V
		2441		*** 1.20365	22.07	V1TV	28.4	-25.6	0	24.87	54	-29.13	-	-	202	126	V
			2	*** 1.2072	54.44	PK2	28.5	-25.4	0	57.54	-	-	74	-16.46	187	152	V
				*** 1.2105	22.02	V1TV	28.5	-25.2	0	25.32	54	-28.68	-	-	187	152	V
			6	*** 9.01969	49.56	Pk	36.1	-41.9	0	43.76	54	-10.24	74	-30.24	0-360	101	H
			3	*** 4.80281	58.08	Pk	33.9	-47	0	44.98	54	-9.02	74	-29.02	0-360	101	V
			4	*** 5.10094	52.37	Pk	34.1	-44.6	0	41.87	54	-12.13	74	-32.13	0-360	199	H
		2480	5	*** 9.10031	49.96	Pk	36.2	-41.7	0	44.46	54	-9.54	74	-29.54	0-360	101	H
			6	*** 8.2425	49.35	Pk	35.7	-42.1	0	42.95	54	-11.05	74	-31.05	0-360	101	H
			1	*** 4.88156	55.77	Pk	34.1	-45.4	0	44.47	54	-9.53	74	-29.53	0-360	101	V
			2	*** 8.14219	50.53	Pk	35.8	-41.5	0	44.83	54	-9.17	74	-29.17	0-360	101	V
			3	*** 9.40781	49.63	Pk	36.5	-40.2	0	45.93	54	-8.07	74	-28.07	0-360	101	V
			4	*** 4.95938	58.49	Pk	33.9	-45.7	0	46.69	54	-7.31	74	-27.31	0-360	101	H
	8PSK	2402	5	*** 1.20695	54.55	PK2	28.5	-25.4	0	57.65	-	-	74	-16.35	186	160	V
				*** 1.2102	21.98	V1TV	28.5	-25.2	0	25.28	54	-28.72	-	-	186	160	V
			2	*** 1.1523	49.23	PK2	27.9	-25.4	0	51.73	-	-	74	-22.27	306	142	V
				*** 1.14271	22.49	V1TV	27.8	-25.9	0	24.39	54	-29.61	-	-	306	142	V
			7	*** 4.80375	56.52	Pk	33.9	-47	0	43.42	54	-10.58	74	-30.58	0-360	101	H
			8	*** 9.31406	49.92	Pk	36.3	-40.4	0	45.82	54	-8.18	74	-28.18	0-360	200	H
		2441	3	*** 4.80375	58.42	Pk	33.9	-47	0	45.32	54	-8.68	74	-28.68	0-360	101	V
			4	*** 8.10938	50.87	Pk	35.7	-41.4	0	45.17	54	-8.83	74	-28.83	0-360	101	V
			4	*** 4.88203	55.45	Pk	34.1	-45.4	0	44.15	54	-9.85	74	-29.85	0-360	101	H
			5	*** 7.63969	50.24	Pk	35.8	-41.7	0	44.34	54	-9.66	74	-29.66	0-360	101	H
			6	*** 9.45375	50.93	Pk	36.6	-41.7	0	45.83	54	-8.17	74	-28.17	0-360	101	H
			1	*** 4.88156	56.02	Pk	34.1	-45.4	0	44.72	54	-9.28	74	-29.28	0-360	101	V
		2480	2	*** 9.30375	50.1	Pk	36.3	-40.1	0	46.3	54	-7.7	74	-27.7	0-360	200	V

Chain	Mode	Frequency (MHz)	Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (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
		2480	3	*** 8.15531	50.9	Pk	35.8	-42.2	0	44.5	54	-9.5	74	-29.5	0-360	101	V
			4	*** 4.95984	57.68	Pk	33.9	-45.7	0	45.88	54	-8.12	74	-28.12	0-360	101	H
			5	*** 9.0525	49.57	Pk	36.1	-41.6	0	44.07	54	-9.93	74	-29.93	0-360	101	H
			6	*** 9.40406	49.73	Pk	36.5	-40.3	0	45.93	54	-8.07	74	-28.07	0-360	101	H
			1	*** 4.95938	59.63	Pk	33.9	-45.7	0	47.83	54	-6.17	74	-26.17	0-360	101	V
			2	*** 9.15188	49.04	Pk	36.2	-40.6	0	44.64	54	-9.36	74	-29.36	0-360	200	V
			3	*** 9.38531	50.76	Pk	36.5	-41.6	0	45.66	54	-8.34	74	-28.34	0-360	101	V
1	GFSK	2402	5	*** 1.2072	53.22	PK2	28.5	-25.4	0	56.32	-	-	74	-17.68	198	302	H
				*** 1.2077	22.06	V1TV	28.5	-25.3	0	25.26	54	-28.74	-	-	198	302	H
			1	*** 1.15195	49.21	PK2	27.9	-25.5	0	51.61	-	-	74	-22.39	78	184	V
				*** 1.14321	22.62	V1TV	27.8	-26	0	24.42	54	-29.58	-	-	78	184	V
			2	*** 1.2071	55.61	PK2	28.5	-25.4	0	58.71	-	-	74	-15.29	353	169	V
				*** 1.2047	22.04	V1TV	28.4	-25.5	0	24.94	54	-29.06	-	-	353	169	V
			6	*** 9.11063	50.21	Pk	36.2	-41.5	0	44.91	54	-9.09	74	-29.09	0-360	199	H
			7	*** 9.40406	49.35	Pk	36.5	-40.3	0	45.55	54	-8.45	74	-28.45	0-360	199	H
			8	*** 7.30781	50.49	Pk	35.5	-42.6	0	43.39	54	-10.61	74	-30.61	0-360	199	H
			4	*** 8.14594	49.84	Pk	35.8	-41.1	0	44.54	54	-9.46	74	-29.46	0-360	101	V
		2441	3	7.20656	59.17	Pk	35.6	-42.4	0	52.37	-	-	-	-	0-360	101	V
			1	*** 8.10469	50.15	Pk	35.7	-41.3	0	44.55	54	-9.45	74	-29.45	0-360	200	H
			2	*** 9.40406	50.01	Pk	36.5	-40.3	0	46.21	54	-7.79	74	-27.79	0-360	101	H
			3	*** 9.10781	49.68	Pk	36.2	-41.5	0	44.38	54	-9.62	74	-29.62	0-360	200	H
			4	*** 8.25281	49.58	Pk	35.7	-41.3	0	43.98	54	-10.02	74	-30.02	0-360	200	V
			5	*** 9.14719	49.89	Pk	36.2	-41	0	45.09	54	-8.91	74	-28.91	0-360	200	V
		2480	6	*** 9.46125	50.36	Pk	36.6	-41.8	0	45.16	54	-8.84	74	-28.84	0-360	200	V
			4	*** 7.48875	50.66	Pk	35.8	-42.3	0	44.16	54	-9.84	74	-29.84	0-360	200	H
			5	*** 8.05406	50.66	Pk	35.8	-41.7	0	44.76	54	-9.24	74	-29.24	0-360	101	H
			6	*** 9.3075	50.23	Pk	36.3	-40.1	0	46.43	54	-7.57	74	-27.57	0-360	200	H
			1	*** 7.43156	50.8	Pk	35.6	-42.5	0	43.9	54	-10.1	74	-30.1	0-360	200	V
			2	*** 9.05531	49.11	Pk	36.1	-41.5	0	43.71	54	-10.29	74	-30.29	0-360	101	V
		2402	3	*** 9.40781	49.38	Pk	36.5	-40.2	0	45.68	54	-8.32	74	-28.32	0-360	200	V
			1	*** 1.204	43.99	Pk	28.4	-25.6	0	46.79	54	-7.21	74	-27.21	0-360	200	H
			8	*** 1.1575	38.27	Pk	28	-25	0	41.27	54	-12.73	74	-32.73	0-360	200	H
			4	*** 1.1551	41.35	PK2	28	-25.1	0	44.25	-	-	74	-29.75	16	397	V
				*** 1.14221	22.61	V1TV	27.8	-25.9	0	24.51	54	-29.49	-	-	16	397	V
			5	*** 1.215	47.7	PK2	28.6	-25.1	0	51.2	-	-	74	-22.8	187	251	V
				*** 1.20975	22.12	V1TV	28.5	-25.2	0	25.42	54	-28.58	-	-	187	251	V
			2	*** 9.09844	51.22	Pk	36.2	-41.8	0	45.62	54	-8.38	74	-28.38	0-360	101	H
			3	*** 9.41438	49.94	Pk	36.5	-41	0	45.44	54	-8.56	74	-28.56	0-360	200	H
			7	*** 8.14031	50.14	Pk	35.8	-41.7	0	44.24	54	-9.76	74	-29.76	0-360	200	V
			6	7.20563	54.08	Pk	35.6	-42.4	0	47.28	-	-	-	-	0-360	101	V
		2441	1	*** 8.295	49.96	Pk	35.8	-41.7	0	44.06	54	-9.94	74	-29.94	0-360	200	H
			2	*** 9.165	50.17	Pk	36.2	-41.6	0	44.77	54	-9.23	74	-29.23	0-360	101	H
			3	*** 9.36375	50.9	Pk	36.4	-41.4	0	45.9	54	-8.1	74	-28.1	0-360	101	H
			4	*** 8.14594	50.14	Pk	35.8	-41.1	0	44.84	54	-9.16	74	-29.16	0-360	101	V
			5	*** 7.50563	50.12	Pk	35.8	-42.2	0	43.72	54	-10.28	74	-30.28	0-360	101	V
			6	*** 9.4125	50.28	Pk	36.5	-40.8	0	45.98	54	-8.02	74	-28.02	0-360	200	V
		2480	1	*** 7.59094	50.92	Pk	35.7	-42.7	0	43.92	54	-10.08	74	-30.08	0-360	101	H
			2	*** 8.14875	50.79	Pk	35.8	-41.4	0	45.19	54	-8.81	74	-28.81	0-360	101	H
			3	*** 9.40594	50.46	Pk	36.5	-40.2	0	46.76	54	-7.24	74	-27.24	0-360	200	H
			4	*** 8.19844	50.39	Pk	35.8	-41.7	0	44.49	54	-9.51	74	-29.51	0-360	200	V
			5	*** 7.62656	49.79	Pk	35.8	-41.7	0	43.89	54	-10.11	74	-30.11	0-360	101	V
			6	*** 9.40594	50.31	Pk	36.5	-40.2	0	46.61	54	-7.39	74	-27.39	0-360	101	V
	8PSK	2402	1	*** 1.1515	38.44	Pk	27.9	-25.5	0	40.84	54	-13.16	74	-33.16	0-360	200	H
			2	*** 1.2082	53.46	PK2	28.5	-25.3	0	56.66	-	-	74	-17.34	197	298	H
				*** 1.20865	22.07	V1TV	28.5	-25.3	0	25.27	54	-28.73	-	-	197	298	H
			4	*** 1.1517	46.62	PK2	27.9	-25.5	0	49.02	-	-	74	-24.98	20	225	V
				*** 1.14411	22.65	V1TV	27.8	-26.1	0	24.35	54	-29.65	-	-	20	225	V
			5	*** 1.2081	55.4	PK2	28.5	-25.3	0	58.6	-	-	74	-15.4	178	166	V
				*** 1.2104	22.1	V1TV	28.5	-25.2	0	25.4	54	-28.6	-	-	178	166	V
			3	*** 9.05531	50.43	Pk	36.1	-41.5	0	45.03	54	-8.97	74	-28.97	0-360	101	H
			6	*** 9.45469	50.14	Pk	36.6	-41.7	0	45.04	54	-8.96	74	-28.96	0-360	200	V
		2441	1	*** 7.41188	50.84	Pk	35.7	-42.2	0	44.34	54	-9.66	74	-29.66	0-360	101	H

Chain	Mode	Frequency (MHz)	Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (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	*** 8.45438	50.62	Pk	35.8	-41.7	0	44.72	54	-9.28	74	-29.28	0-360	200	H
			3	*** 9.40969	50.07	Pk	36.5	-40.5	0	46.07	54	-7.93	74	-27.93	0-360	101	H
			4	*** 7.64813	50.74	Pk	35.8	-41.8	0	44.74	54	-9.26	74	-29.26	0-360	101	V
			5	*** 8.36063	49.51	Pk	35.8	-41.7	0	43.61	54	-10.39	74	-30.39	0-360	200	V
			6	*** 9.30563	49.73	Pk	36.3	-40.1	0	45.93	54	-8.07	74	-28.07	0-360	101	V
			1	*** 7.41094	50.77	Pk	35.7	-42.2	0	44.27	54	-9.73	74	-29.73	0-360	101	H
		2480	2	*** 9.06188	49.92	Pk	36.1	-42	0	44.02	54	-9.98	74	-29.98	0-360	101	H
			3	*** 9.33469	50.11	Pk	36.4	-41	0	45.51	54	-8.49	74	-28.49	0-360	101	H
			4	*** 8.14594	49.74	Pk	35.8	-41.1	0	44.44	54	-9.56	74	-29.56	0-360	200	V
			5	*** 9.15094	49.47	Pk	36.2	-40.5	0	45.17	54	-8.83	74	-28.83	0-360	101	V
			6	*** 9.40594	49.78	Pk	36.5	-40.2	0	46.08	54	-7.92	74	-27.92	0-360	101	V
MIMO	GFSK	2402	1	*** 1.2089	51.92	PK2	28.5	-25.2	0	55.22	-	-	74	-18.78	64	389	H
				*** 1.2089	51.92	PK2	28.5	-25.2	-24	31.22	54	-22.78	-	-	64	389	H
			2	*** 1.20701	51.36	PK2	28.5	-25.4	0	54.46	-	-	74	-19.54	97	289	H
				*** 1.20701	51.36	PK2	28.5	-25.4	-24	30.46	54	-23.54	-	-	97	289	H
			6	*** 1.1345	34.99	Pk	27.7	-25.1	0	37.59	54	-16.41	74	-36.41	0-360	101	H
			7	*** 1.15035	48.42	PK2	27.9	-25.7	0	50.62	-	-	74	-23.38	1	204	V
				*** 1.15035	48.42	PK2	27.9	-25.7	-24	26.62	54	-27.38	-	-	1	204	V
			8	*** 1.20685	46.25	PK2	28.5	-25.4	0	49.35	-	-	74	-24.65	197	292	V
				*** 1.20685	46.25	PK2	28.5	-25.4	-24	25.35	54	-28.65	-	-	197	292	V
			9	*** 1.20601	53.9	PK2	28.5	-25.4	0	57	-	-	74	-17	203	185	V
				*** 1.20601	53.9	PK2	28.5	-25.4	-24	33	54	-21	74	-17	203	185	V
			4	*** 8.3025	51.15	Pk	35.8	-41.9	0	45.05	54	-8.95	74	-28.95	0-360	101	H
			5	*** 9.40781	50.06	Pk	36.5	-40.2	0	46.36	54	-7.64	74	-27.64	0-360	101	H
		2441	3	7.20563	56.9	Pk	35.6	-42.4	0	50.1	-	-	-	-	0-360	101	H
			10	7.20656	61.65	Pk	35.6	-42.4	0	54.85	-	-	-	-	0-360	101	V
			1	*** 4.88156	55.73	Pk	34.1	-45.4	0	44.43	54	-9.57	74	-29.57	0-360	200	H
			2	*** 7.32328	53.7	Pk	35.5	-43.5	0	45.7	54	-8.3	74	-28.3	0-360	101	H
			3	*** 9.40219	50.26	Pk	36.5	-40.4	0	46.36	54	-7.64	74	-27.64	0-360	101	H
			4	*** 4.88156	57.05	Pk	34.1	-45.4	0	45.75	54	-8.25	74	-28.25	0-360	101	V
			5	*** 7.3235	61.63	PK2	35.5	-43.5	0	53.63	-	-	74	-20.37	255	139	V
				*** 7.3235	61.63	PK2	35.5	-43.5	-24	29.63	54	-24.37	-	-	255	139	V
			6	*** 9.405	49.1	Pk	36.5	-40.3	0	45.3	54	-8.7	74	-28.7	0-360	101	V
		2480	1	*** 8.09438	50.83	Pk	35.7	-41.7	0	44.83	54	-9.17	74	-29.17	0-360	101	H
			2	*** 9.05719	49.14	Pk	36.1	-41.6	0	43.64	54	-10.36	74	-30.36	0-360	101	H
			3	*** 9.45	50.43	Pk	36.6	-41.6	0	45.43	54	-8.57	74	-28.57	0-360	199	H
			7	*** 7.44045	61.14	PK2	35.6	-42.6	0	54.14	-	-	74	-19.86	252	136	H
				*** 7.44045	61.14	PK2	35.6	-42.6	-24	30.14	54	-23.86	-	-	252	136	H
			4	*** 7.43959	67.15	PK2	35.6	-42.6	0	60.15	-	-	74	-13.85	320	130	V
				*** 7.43959	67.15	PK2	35.6	-42.6	-24	36.15	54	-17.85	-	-	320	130	V
			5	*** 9.11156	49.58	Pk	36.2	-41.5	0	44.28	54	-9.72	74	-29.72	0-360	101	V
			6	*** 9.31125	49.92	Pk	36.3	-40.1	0	46.12	54	-7.88	74	-27.88	0-360	101	V
	QPSK	2402	1	*** 1.1565	33.83	Pk	28	-24.9	0	36.93	54	-17.07	74	-37.07	0-360	101	H
			2	*** 1.2078	52.35	PK2	28.5	-25.3	0	55.55	-	-	74	-18.45	215	319	H
				*** 1.2078	52.35	PK2	28.5	-25.3	-24	31.55	54	-22.45	-	-	215	319	H
			4	*** 1.14961	48.23	PK2	27.9	-25.8	0	50.33	-	-	74	-23.67	88	245	V
				*** 1.14961	48.23	PK2	27.9	-25.8	-24	26.33	54	-27.67	-	-	88	245	V
			5	*** 1.20695	51.1	PK2	28.5	-25.4	0	54.2	-	-	74	-19.8	195	224	V
				*** 1.20695	51.1	PK2	28.5	-25.4	-24	30.2	54	-23.8	-	-	195	224	V
			3	*** 9.39281	50.56	Pk	36.5	-41	0	46.06	54	-7.94	74	-27.94	0-360	200	H
			6	*** 9.18563	49.52	Pk	36.3	-41.1	0	44.72	54	-9.28	74	-29.28	0-360	101	V
		2441	1	*** 8.14313	50.59	Pk	35.8	-41.4	0	44.99	54	-9.01	74	-29.01	0-360	101	H
			2	*** 9.06375	50.38	Pk	36.1	-42.1	0	44.38	54	-9.62	74	-29.62	0-360	101	H
			3	*** 9.41063	50.54	Pk	36.5	-40.6	0	46.44	54	-7.56	74	-27.56	0-360	199	H
			4	*** 8.48438	51.59	Pk	35.7	-42.1	0	45.19	54	-8.81	74	-28.81	0-360	200	V
			5	*** 9.18188	50.52	Pk	36.3	-41	0	45.82	54	-8.18	74	-28.18	0-360	101	V
			6	*** 9.37969	51.08	Pk	36.5	-41.2	0	46.38	54	-7.62	74	-27.62	0-360	200	V
		2480	1	*** 7.63688	50.72	Pk	35.8	-41.8	0	44.72	54	-9.28	74	-29.28	0-360	101	H
			2	*** 9.13969	50.82	Pk	36.2	-41.9	0	45.12	54	-8.88	74	-28.88	0-360	101	H
			3	*** 9.37406	50.14	Pk	36.4	-40.9	0	45.64	54	-8.36	74	-28.36	0-360	199	H
			4	*** 7.44	53.61	Pk	35.6	-42.6	0	46.61	54	-7.39	74	-27.39	0-360	101	V
			5	*** 8.10375	51.65	Pk	35.7	-41.3	0	46.05	54	-7.95	74	-27.95	0-360	101	V

Chain	Mode	Frequency (MHz)	Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	88761 (dB/m)	Gain/Loss (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
	8PSK	2402	6	*** 9.30375	50.89	Pk	36.3	-40.1	0	47.09	54	-6.91	74	-26.91	0-360	200	V
			1	*** 1.1545	35.05	Pk	27.9	-25.2	0	37.75	54	-16.25	74	-36.25	0-360	200	H
			2	*** 1.2095	52.35	PK2	28.5	-25.2	0	55.65	-	-	74	-18.35	272	400	H
				*** 1.2095	52.35	PK2	28.5	-25.2	-24	31.65	54	-22.35	74	-18.35	272	400	H
			5	*** 1.15285	48.72	PK2	27.9	-25.4	0	51.22	-	-	74	-22.78	48	205	V
				*** 1.15285	48.72	PK2	27.9	-25.4	-24	27.22	54	-26.78	74	-22.78	48	205	V
			6	*** 1.20631	51.18	PK2	28.5	-25.4	0	54.28	-	-	74	-19.72	200	225	V
				*** 1.20631	51.18	PK2	28.5	-25.4	-24	30.28	54	-23.72	74	-19.72	200	225	V
			3	*** 8.1075	50.6	Pk	35.7	-41.4	0	44.9	54	-9.1	74	-29.1	0-360	200	H
			4	*** 9.40875	49.83	Pk	36.5	-40.3	0	46.03	54	-7.97	74	-27.97	0-360	200	H
			7	*** 9.1725	50.82	Pk	36.2	-41.5	0	45.52	54	-8.48	74	-28.48	0-360	101	V
			8	*** 9.34688	49.65	Pk	36.4	-40.8	0	45.25	54	-8.75	74	-28.75	0-360	200	V
		2441	1	*** 8.09438	51.22	Pk	35.7	-41.7	0	45.22	54	-8.78	74	-28.78	0-360	200	H
			2	*** 9.15094	49.38	Pk	36.2	-40.5	0	45.08	54	-8.92	74	-28.92	0-360	101	H
			3	*** 9.40969	49.76	Pk	36.5	-40.5	0	45.76	54	-8.24	74	-28.24	0-360	101	H
			4	*** 8.14688	50.07	Pk	35.8	-41.1	0	44.77	54	-9.23	74	-29.23	0-360	101	V
			5	*** 9.10406	49.85	Pk	36.2	-41.6	0	44.45	54	-9.55	74	-29.55	0-360	101	V
			6	*** 9.30938	49.62	Pk	36.3	-40.1	0	45.82	54	-8.18	74	-28.18	0-360	101	V
		2480	1	*** 8.30625	50.94	Pk	35.8	-42.1	0	44.64	54	-9.36	74	-29.36	0-360	200	H
			2	*** 9.10969	49.84	Pk	36.2	-41.5	0	44.54	54	-9.46	74	-29.46	0-360	101	H
			3	*** 9.40875	50.23	Pk	36.5	-40.3	0	46.43	54	-7.57	74	-27.57	0-360	200	H
			4	*** 8.2275	50	Pk	35.7	-41.8	0	43.9	54	-10.1	74	-30.1	0-360	200	V
			5	*** 9.16594	49.56	Pk	36.2	-41.6	0	44.16	54	-9.84	74	-29.84	0-360	101	V
			6	*** 9.33375	51.23	Pk	36.4	-41	0	46.63	54	-7.37	74	-27.37	0-360	101	V

10.2. WORST CASE SPURIOUS BELOW 30-1000MHZ (WORST-CASE: CHAIN 0)



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	159203 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	30.582	31.01	Pk	27	-31.2	26.81	40	-13.19	0-360	100	V
1	30.679	29.04	Pk	26.9	-31.3	24.64	40	-15.36	0-360	99	H
2	158.04	35.22	Pk	18.8	-29.8	24.22	43.52	-19.3	0-360	199	H
5	165.897	41.58	Pk	18.4	-30.6	29.38	43.52	-14.14	0-360	100	V
6	196.743	45.22	Pk	18.5	-30.1	33.62	43.52	-9.9	0-360	100	V
3	201.884	38.93	Pk	18.7	-30.2	27.43	43.52	-16.09	0-360	99	H

Pk - Peak detector

30-1000MHz WORST-CASE SPURIOUS TEST DATA

Chain	Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	85717 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
0	4	30.582	31.01	Pk	27	-31.2	26.81	40	-13.19	0-360	100	V
	1	30.679	29.04	Pk	26.9	-31.3	24.64	40	-15.36	0-360	99	H
	2	158.04	35.22	Pk	18.8	-29.8	24.22	43.52	-19.3	0-360	199	H
	5	165.897	41.58	Pk	18.4	-30.6	29.38	43.52	-14.14	0-360	100	V
	6	196.743	45.22	Pk	18.5	-30.1	33.62	43.52	-9.9	0-360	100	V
	3	201.884	38.93	Pk	18.7	-30.2	27.43	43.52	-16.09	0-360	99	H
1	1	33.589	28.71	Pk	25	-31.5	22.21	40	-17.79	0-360	400	H
	4	46.296	38.46	Pk	16	-31.3	23.16	40	-16.84	0-360	100	V
	2	160.562	33.6	Pk	18.7	-30.2	22.1	43.52	-21.42	0-360	200	H
	5	165.994	40.17	Pk	18.4	-30.5	28.07	43.52	-15.45	0-360	100	V
	3	195.773	36.66	Pk	18.4	-29.7	25.36	43.52	-18.16	0-360	200	H
	6	201.399	42.88	Pk	18.8	-30.4	31.28	43.52	-12.24	0-360	100	V
MIMO	2	*** 283.461	30.31	Pk	19.8	-29.1	21.01	46.02	-25.01	0-360	100	H
	4	*** 328.954	28.91	Pk	20.5	-29.4	20.01	46.02	-26.01	0-360	100	H
	5	*** 409.658	26.92	Pk	22.5	-28.4	21.02	46.02	-25	0-360	100	H
	6	*** 137.282	31.88	Pk	19.7	-29.9	21.68	43.52	-21.84	0-360	100	V
	8	*** 332.931	27.53	Pk	20.5	-29.1	18.93	46.02	-27.09	0-360	100	V
	9	*** 408.785	28.06	Pk	22.5	-28.4	22.16	46.02	-23.86	0-360	100	V
	11	30.776	27.73	Pk	26.9	-31.4	23.23	40	-16.77	0-360	100	V
	1	182.581	39.01	Pk	17.7	-30.6	26.11	43.52	-17.41	0-360	100	H
	7	183.648	33.29	Pk	17.7	-29.9	21.09	43.52	-22.43	0-360	100	V
	3	618.984	28.32	Pk	25.8	-28	26.12	46.02	-19.9	0-360	200	H
	10	646.047	27.73	Pk	26.3	-28.1	25.93	46.02	-20.09	0-360	100	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	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.

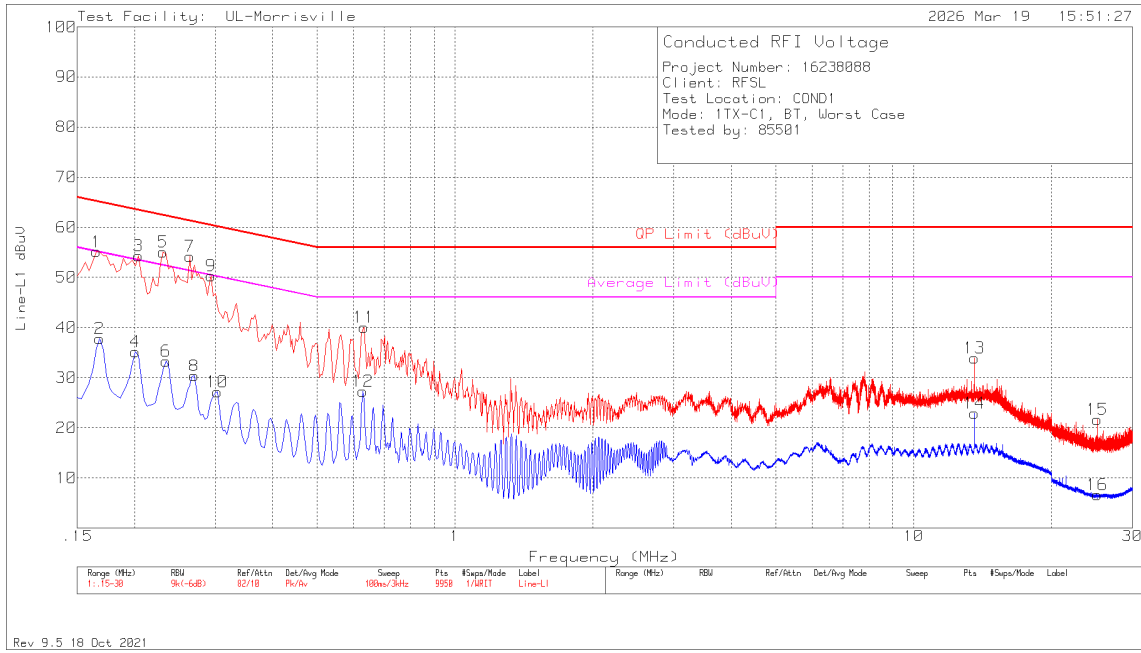
TEST PROCEDURE

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 C63.410.

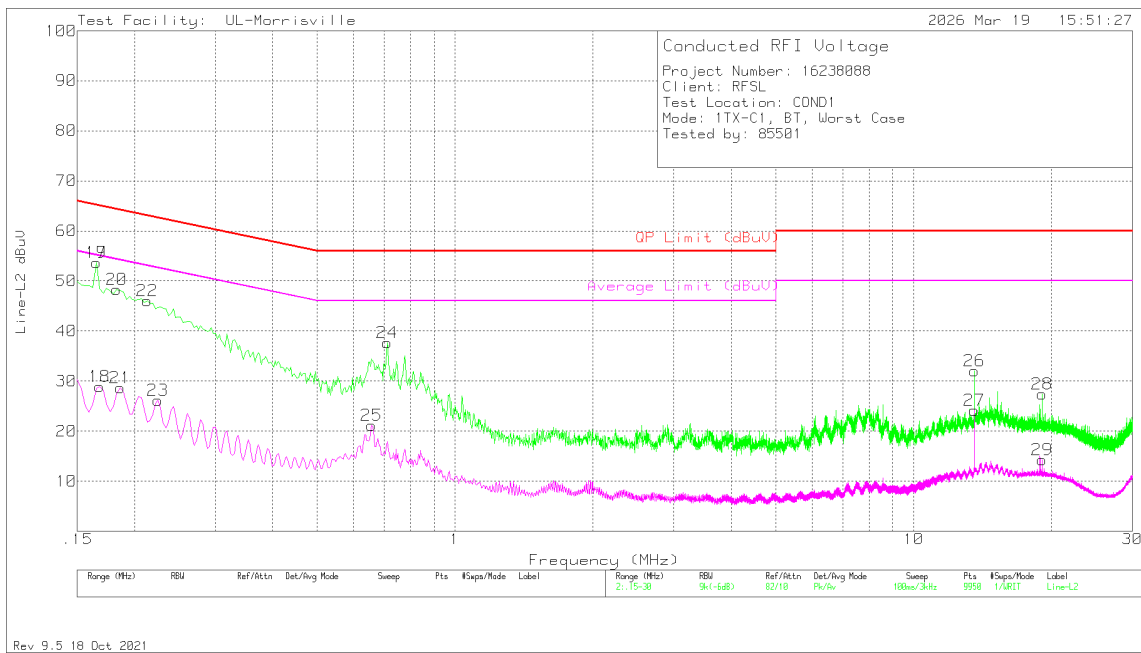
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both lines.

LINE 1 RESULTS



LINE 2 RESULTS



Chain	Line	Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
0	1	2	.171	20.03	Av	.2	9.7	29.93	-	-	54.91	-24.98
		1	.174	43.55	Pk	.2	9.7	53.45	64.77	-11.32	-	-
		4	.255	15.35	Av	.1	9.7	25.15	-	-	51.59	-26.44
		3	.267	37.83	Pk	.1	9.7	47.63	61.21	-13.58	-	-
		6	.306	11.93	Av	.1	9.7	21.73	-	-	50.08	-28.35
		5	.312	34.38	Pk	.1	9.7	44.18	59.92	-15.74	-	-
		7	.33	33.61	Pk	.1	9.7	43.41	59.45	-16.04	-	-
		8	.333	10.67	Av	.1	9.7	20.47	-	-	49.38	-28.91
		9	.354	30.85	Pk	.1	9.7	40.65	58.87	-18.22	-	-
		10	.354	9.59	Av	.1	9.7	19.39	-	-	48.87	-29.48
		11	.63	28.92	Pk	0	9.7	38.62	56	-17.38	-	-
		12	.63	13.31	Av	0	9.7	23.01	-	-	46	-22.99
		13	13.56	22.65	Pk	.1	9.8	32.55	60	-27.45	-	-
		14	13.563	10.81	Av	.1	9.8	20.71	-	-	50	-29.29
		15	23.394	24.19	Pk	.2	9.8	34.19	60	-25.81	-	-
		16	23.394	-2.79	Av	.2	9.8	7.21	-	-	50	-42.79
	2	17	.156	41.58	Pk	.2	9.7	51.48	65.67	-14.19	-	-
		18	.168	19.41	Av	.2	9.7	29.31	-	-	55.06	-25.75
		20	.633	10.67	Av	0	9.7	20.37	-	-	46	-25.63
		19	.636	30.93	Pk	0	9.7	40.63	56	-15.37	-	-
		22	.711	8.54	Av	0	9.7	18.24	-	-	46	-27.76
		21	.714	29.05	Pk	0	9.7	38.75	56	-17.25	-	-
		24	.744	7.55	Av	0	9.7	17.25	-	-	46	-28.75
		23	.777	26.01	Pk	0	9.7	35.71	56	-20.29	-	-
		25	13.56	22.85	Pk	.1	9.8	32.75	60	-27.25	-	-
		26	13.563	12.21	Av	.1	9.8	22.11	-	-	50	-27.89
1	1	1	.165	45.23	Pk	.2	9.7	55.13	65.21	-10.08	-	-
		2	.168	27.92	Av	.2	9.7	37.82	-	-	55.06	-17.24
		4	.201	25.41	Av	.1	9.7	35.21	-	-	53.57	-18.36
		3	.204	44.57	Pk	.1	9.7	54.37	63.45	-9.08	-	-
		5	.231	45.32	Pk	.1	9.7	55.12	62.41	-7.29	-	-
		6	.234	23.49	Av	.1	9.7	33.29	-	-	52.31	-19.02
		7	.264	44.37	Pk	.1	9.7	54.17	61.3	-7.13	-	-
		8	.27	20.55	Av	.1	9.7	30.35	-	-	51.12	-20.77
		9	.294	40.53	Pk	.1	9.7	50.33	60.41	-10.08	-	-
		10	.303	17.31	Av	.1	9.7	27.11	-	-	50.16	-23.05
		12	.63	17.6	Av	0	9.7	27.3	-	-	46	-18.7
		11	.633	30.38	Pk	0	9.7	40.08	56	-15.92	-	-
		13	13.56	24.02	Pk	.1	9.8	33.92	60	-26.08	-	-
		14	13.56	13.01	Av	.1	9.8	22.91	-	-	50	-27.09
		16	25.119	-3.37	Av	.2	9.8	6.63	-	-	50	-43.37
		15	25.143	11.64	Pk	.2	9.8	21.64	60	-38.36	-	-
	2	17	.165	43.76	Pk	.2	9.7	53.66	65.21	-11.55	-	-
		19	.165	43.76	Pk	.2	9.7	53.66	65.21	-11.55	-	-
		18	.168	18.96	Av	.2	9.7	28.86	-	-	55.06	-26.2
		20	.183	38.43	Pk	.2	9.7	48.33	64.35	-16.02	-	-
		21	.186	18.76	Av	.2	9.7	28.66	-	-	54.21	-25.55
		22	.213	36.24	Pk	.1	9.7	46.04	63.09	-17.05	-	-
		23	.225	16.34	Av	.1	9.7	26.14	-	-	52.63	-26.49
		25	.657	11.46	Av	0	9.7	21.16	-	-	46	-24.84
		24	.711	27.93	Pk	0	9.7	37.63	56	-18.37	-	-
		27	13.56	14.21	Av	.1	9.8	24.11	-	-	50	-25.89
		26	13.563	22.16	Pk	.1	9.8	32.06	60	-27.94	-	-
		28	19.086	17.48	Pk	.1	9.8	27.38	60	-32.62	-	-
		29	19.086	4.35	Av	.1	9.8	14.25	-	-	50	-35.75
MIMO	1	1	.153	41.24	Pk	.2	9.7	51.14	65.84	-14.7	-	-
		2	.168	20.61	Av	.2	9.7	30.51	-	-	55.06	-24.55
		3	.168	41.19	Pk	.2	9.7	51.09	65.06	-13.97	-	-
		4	.168	20.61	Av	.2	9.7	30.51	-	-	55.06	-24.55
		5	.237	37.49	Pk	.1	9.7	47.29	62.2	-14.91	-	-
		6	.243	17.19	Av	.1	9.7	26.99	-	-	51.99	-25
		7	.261	37.35	Pk	.1	9.7	47.15	61.4	-14.25	-	-
		8	.261	16.35	Av	.1	9.7	26.15	-	-	51.4	-25.25
		9	.777	28.1	Pk	0	9.7	37.8	56	-18.2	-	-
		10	.777	6.67	Av	0	9.7	16.37	-	-	46	-29.63
		11	13.56	21.44	Pk	.1	9.8	31.34	60	-28.66	-	-
		12	13.563	11.04	Av	.1	9.8	20.94	-	-	50	-29.06
		13	.168	42.06	Pk	.2	9.7	51.96	65.06	-13.1	-	-

Chain	Line	Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
	2	14	.168	20.19	Av	.2	9.7	30.09	-	-	55.06	-24.97
		15	.216	39.88	Pk	.1	9.7	49.68	62.97	-13.29	-	-
		16	.225	17.48	Av	.1	9.7	27.28	-	-	52.63	-25.35
		18	.711	8.54	Av	0	9.7	18.24	-	-	46	-27.76
		17	.714	27.03	Pk	0	9.7	36.73	56	-19.27	-	-
		19	.777	25.4	Pk	0	9.7	35.1	56	-20.9	-	-
		20	.777	7.95	Av	0	9.7	17.65	-	-	46	-28.35
		21	13.56	26.78	Pk	.1	9.8	36.68	60	-23.32	-	-
		22	13.56	13.04	Av	.1	9.8	22.94	-	-	50	-27.06
		24	19.752	1.77	Av	.2	9.8	11.77	-	-	50	-38.23
		23	19.77	21.31	Pk	.2	9.8	31.31	60	-28.69	-	-

12. SETUP PHOTOS

Please refer to R16238088-EP1d for setup photos

END OF TEST REPORT