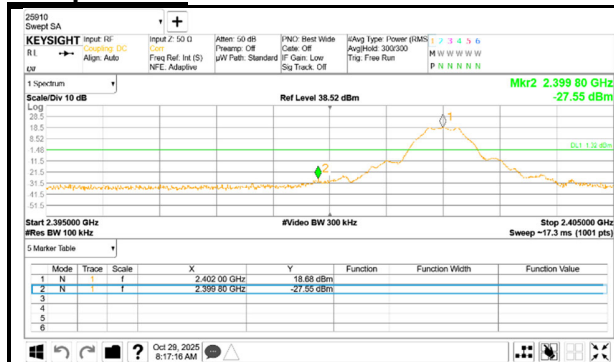
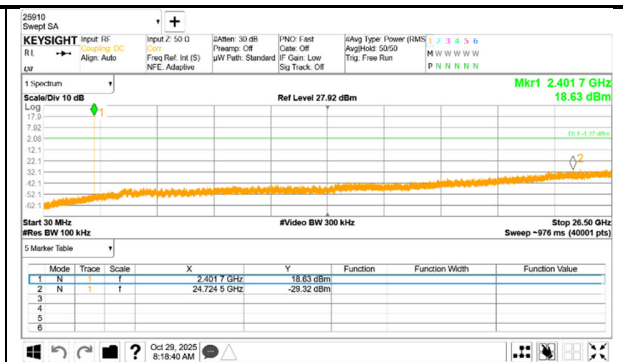


9.6.1. Test plot

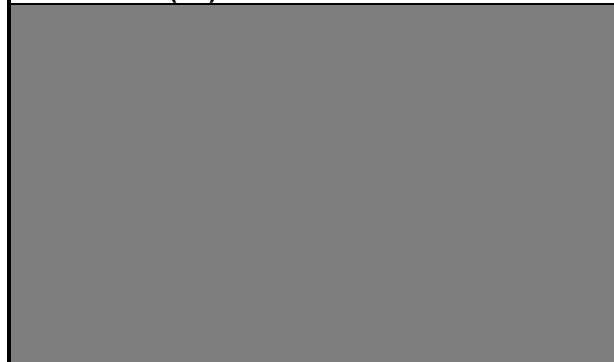
1 Mbps ANT1



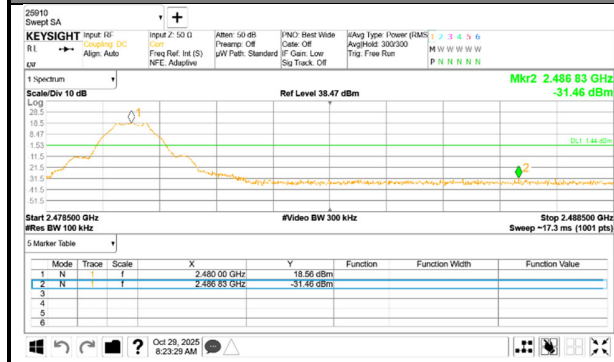
LOW(37) CHANNEL BANDEDGE



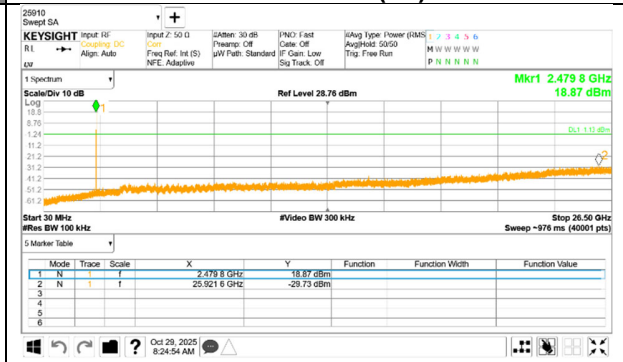
OUT-OF-BAND LOW(37) CHANNEL



OUT-OF-BAND MIDDLE(17) CHANNEL

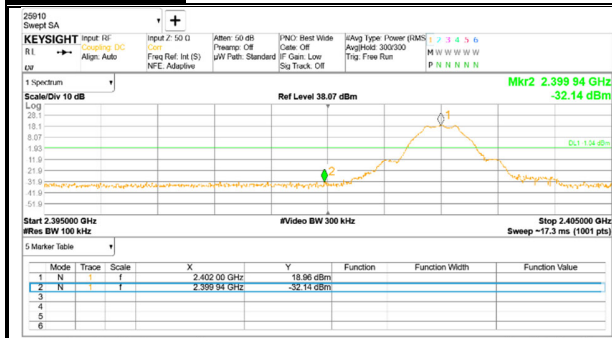


HIGH(39) CHANNEL BANDEDGE

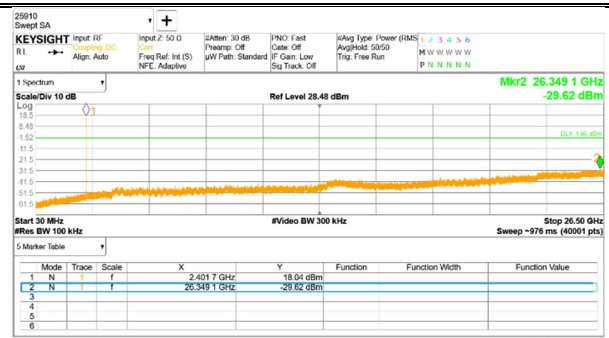


OUT-OF-BAND HIGH(39) CHANNEL

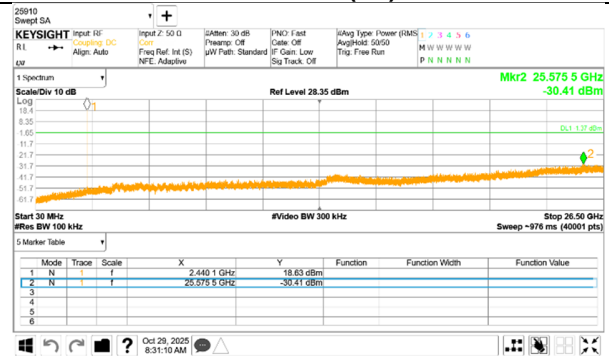
1 Mbps ANT2



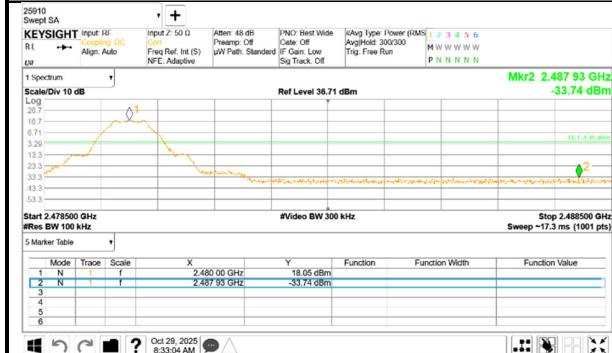
LOW(37) CHANNEL BANDEDGE



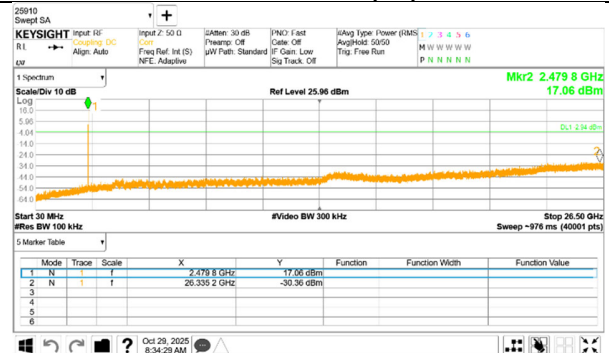
OUT-OF-BAND LOW(37) CHANNEL



OUT-OF-BAND MIDDLE(17) CHANNEL

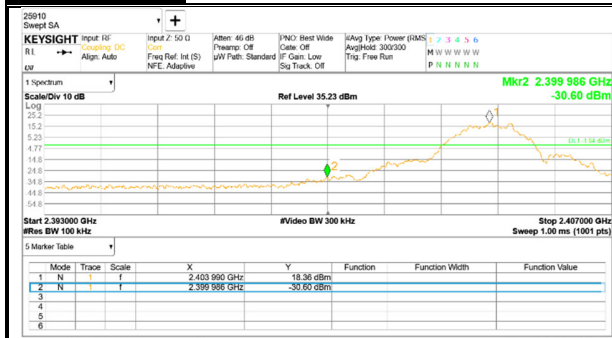


HIGH(39) CHANNEL BANDEDGE

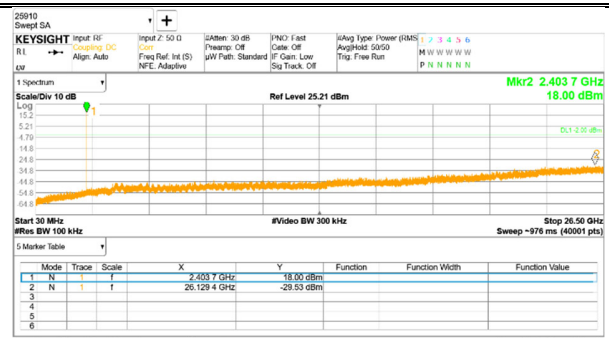


OUT-OF-BAND HIGH(39) CHANNEL

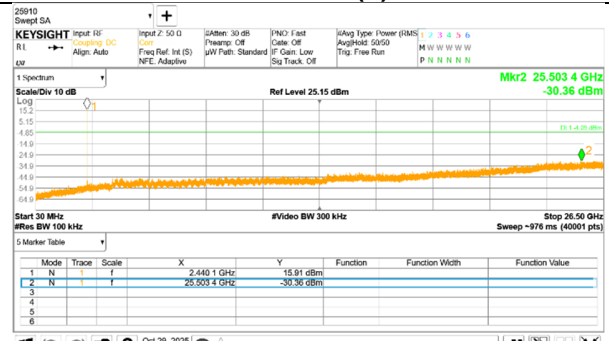
2 Mbps ANT1



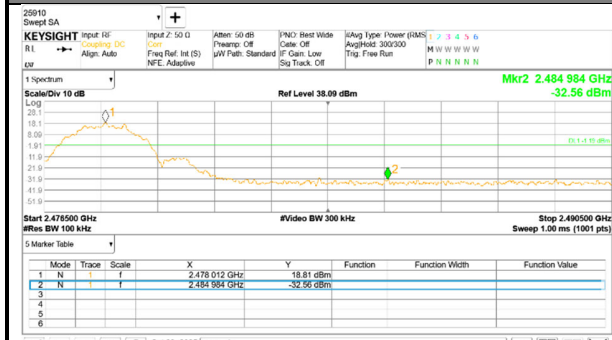
LOW(0) CHANNEL BANDEDGE



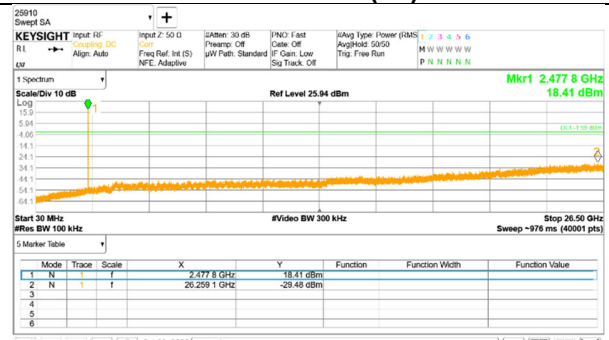
OUT-OF-BAND LOW(0) CHANNEL



OUT-OF-BAND MIDDLE(17) CHANNEL

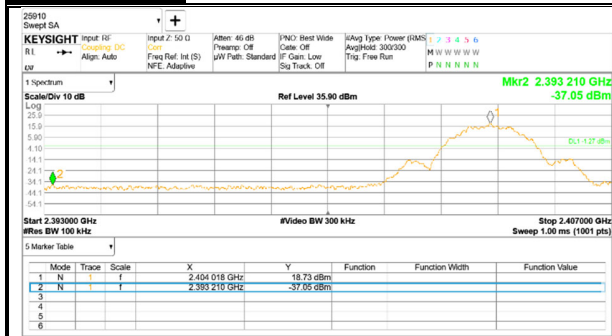


HIGH(36) CHANNEL BANDEDGE

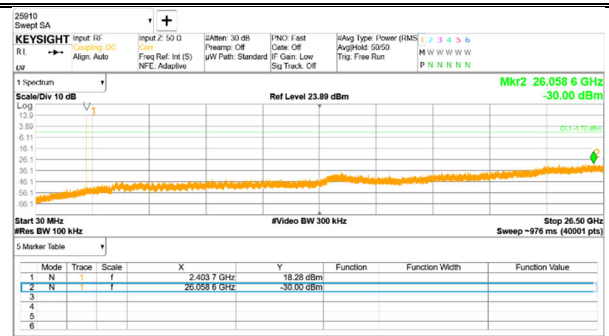


OUT-OF-BAND HIGH(36) CHANNEL

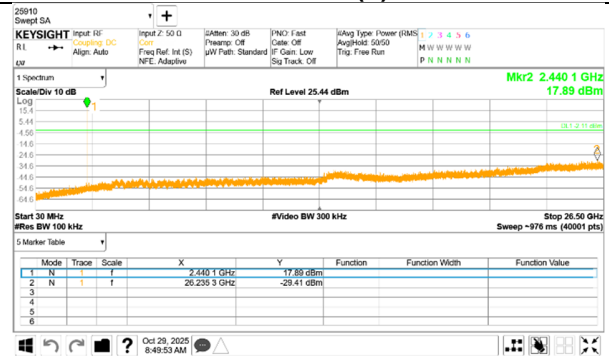
2 Mbps ANT2



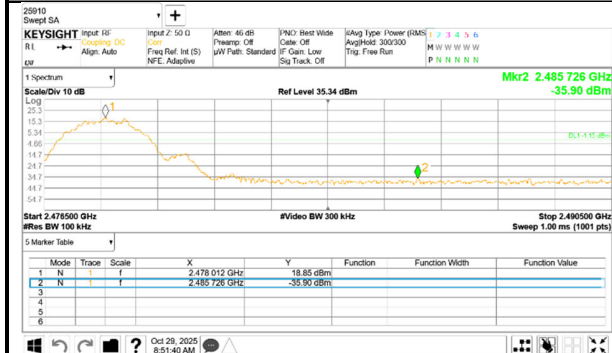
LOW(0) CHANNEL BANDEDGE



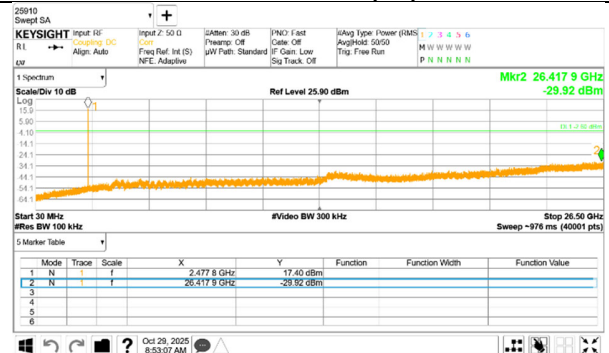
OUT-OF-BAND LOW(0) CHANNEL



OUT-OF-BAND MIDDLE(17) CHANNEL



HIGH(36) CHANNEL BANDEDGE



OUT-OF-BAND HIGH(36) CHANNEL

10. RADIATED TEST RESULTS

10.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

Limits for radiated disturbance of an intentional radiator		
Frequency range (MHz)	Limits (µV/m)	Measurement Distance (m)
0.009 – 0.490	2400 / F (kHz)	300
0.490 – 1.705	24000 / F (kHz)	30
1.705 – 30.0	30	30
30 – 88	100**	3
88 - 216	150**	3
216 – 960	200**	3
Above 960	500	3

** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g. §§ 15.231 and 15.241.

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for below 1GHz and 150 cm for above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and add duty cycle factor for average measurements. (Restricted band-edge, Final detection of spurious harmonic emissions)
Duty cycle factor = $10 \log (1/x)$. For this sample:

Mode	Duty cycle x [Linear]	Duty Cycle Correction Factor [dB]	Antenna
1 Mbps [37pkt]	0.5200	2.84	Antenna 1 and 2
1 Mbps [37pkt]	0.8549	0.68	Dual mode
2 Mbps [255pkt]	0.3788	4.22	Antenna 1 and 2
2 Mbps [37pkt]	0.7662	1.16	Dual mode

Pre-scans to detect harmonic and spurious emissions, the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 kHz for peak measurements.

The spectrum from 1 GHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in the 2.4 GHz band.
(From 30MHz to 1GHz, test was performed with the EUT set to transmit at the channel with highest output power)

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.

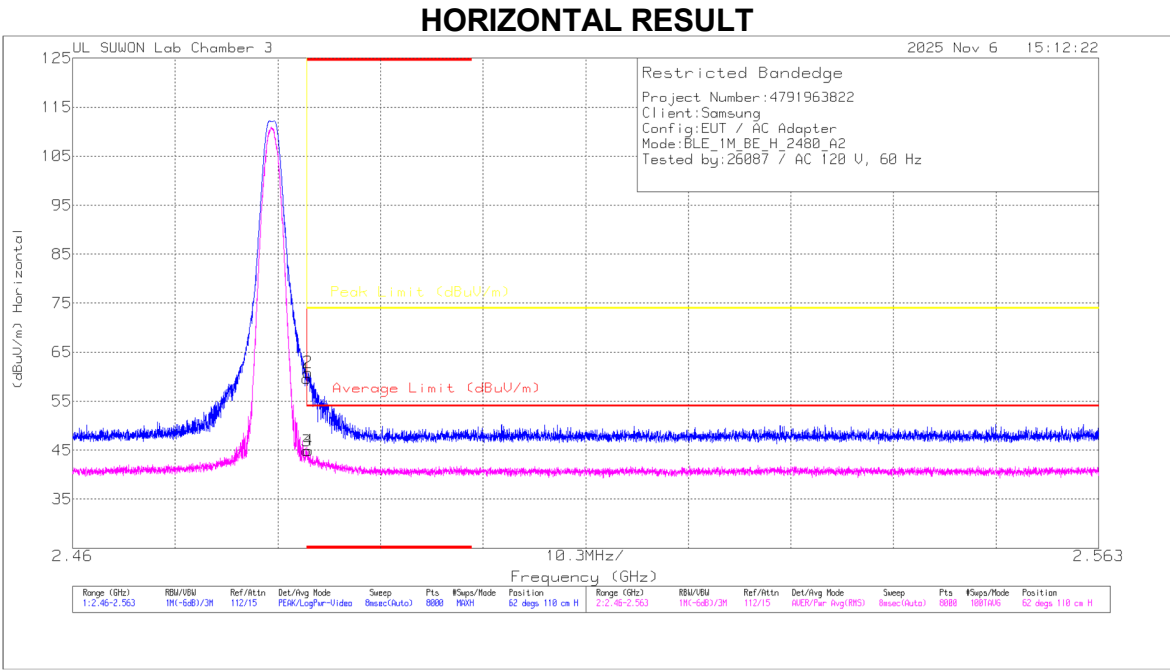
Note : Emission was pre-scanned from 9kHz to 30MHz; No emissions were detected which was at least 20dB below the specification limit (consider distance correction factor).
Per FCC part 15.31(o), test results were not reported.

Although these tests were performed other than open field test site, adequate comparison measurements were confirmed against 30 m open are test site.
Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field based on KDB 414788.

10.2. TRANSMITTER ABOVE 1 GHz

10.2.1. TX ABOVE 1 GHz BLUETOOTH LE 1 Mbps

BANDEDGE (WORST CASE: 2480 MHz, ANT2)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna_Factor (dBm)	10dB_Path Loss(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (m)	Height (cm)	Polarity
1	* 2.4835	52.13	Pk	32.4	-24.9	0	59.63	-	-	74	-14.37	62	110	H
2	* 2.48364	53.41	Pk	32.4	-24.9	0	60.91	-	-	74	-13.09	62	110	H
3	* 2.4835	34.56	RMS	32.4	-24.9	2.84	44.9	54	-9.1	-	-	62	110	H
4	* 2.48368	34.62	RMS	32.4	-24.9	2.84	44.96	54	-9.04	-	-	62	110	H

* - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

BANDEDGE TEST DATA

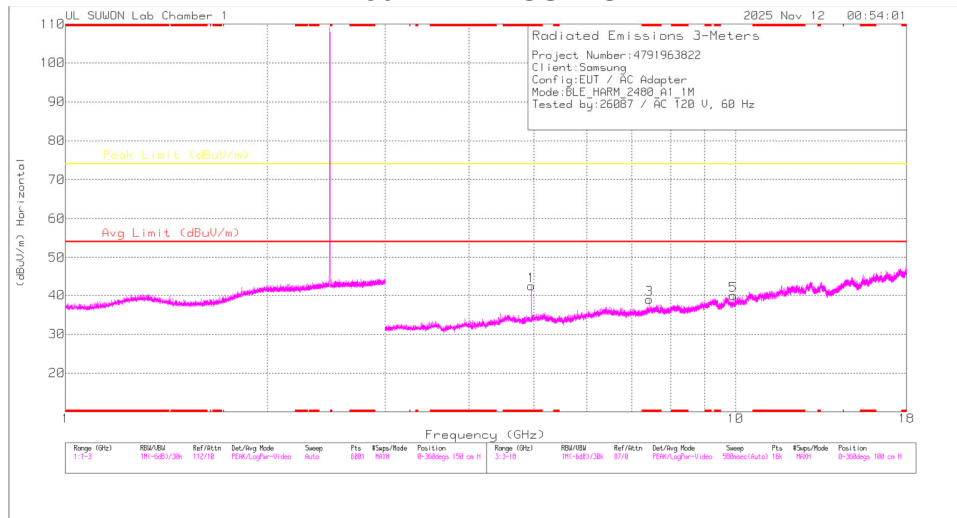
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2402	ANT1	* 2.39	40.16	Pk	32.10	-24.90	0.00	47.36	-	-	74.00	-26.64	230	140	H
		* 2.38866	43.26	Pk	32.10	-24.90	0.00	50.46	-	-	74.00	-23.54	230	140	H
		* 2.39	30.42	RMS	32.10	-24.90	2.84	40.46	54.00	-13.54	-	-	230	140	H
		* 2.35407	31.50	RMS	32.00	-25.00	2.84	41.34	54.00	-12.66	-	-	230	140	H
		* 2.39	41.63	Pk	32.10	-24.90	0.00	48.83	-	-	74.00	-25.17	276	100	V
		* 2.36815	43.36	Pk	32.00	-24.90	0.00	50.46	-	-	74.00	-23.54	276	100	V
		* 2.39	30.29	RMS	32.10	-24.90	2.84	40.33	54.00	-13.67	-	-	276	100	V
		* 2.36877	31.47	RMS	32.00	-25.00	2.84	41.31	54.00	-12.69	-	-	276	100	V
2480	ANT1	* 2.4835	46.93	Pk	32.40	-24.90	0.00	54.43	-	-	74.00	-19.57	231	173	H
		* 2.48358	48.21	Pk	32.40	-24.90	0.00	55.71	-	-	74.00	-18.29	231	173	H
		* 2.4835	31.70	RMS	32.40	-24.90	2.84	42.04	54.00	-11.96	-	-	231	173	H
		2.551	31.81	RMS	32.40	-24.80	2.84	42.25	54.00	-11.75	-	-	231	173	H
		* 2.4835	44.95	Pk	32.40	-24.90	0.00	52.45	-	-	74.00	-21.55	135	322	V
		* 2.48366	46.66	Pk	32.40	-24.90	0.00	54.16	-	-	74.00	-19.84	135	322	V
		* 2.4835	30.83	RMS	32.40	-24.90	2.84	41.17	54.00	-12.83	-	-	135	322	V
		2.532	31.65	RMS	32.40	-24.70	2.84	42.19	54.00	-11.81	-	-	135	322	V
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2402	ANT2	* 2.39	39.80	Pk	32.10	-24.90	0.00	47.00	-	-	74.00	-27.00	60	100	H
		* 2.38892	42.74	Pk	32.10	-24.90	0.00	49.94	-	-	74.00	-24.06	60	100	H
		* 2.39	30.22	RMS	32.10	-24.90	2.84	40.26	54.00	-13.74	-	-	60	100	H
		* 2.32805	31.39	RMS	31.90	-25.00	2.84	41.13	54.00	-12.87	-	-	60	100	H
		* 2.39	40.05	Pk	32.10	-24.90	0.00	47.25	-	-	74.00	-26.75	275	105	V
		* 2.34855	42.57	Pk	32.00	-25.00	0.00	49.57	-	-	74.00	-24.43	275	105	V
		* 2.39	30.12	RMS	32.10	-24.90	2.84	40.16	54.00	-13.84	-	-	275	105	V
		* 2.32502	31.34	RMS	31.90	-24.90	2.84	41.18	54.00	-12.82	-	-	275	105	V
2480	ANT2	* 2.4835	52.13	Pk	32.40	-24.90	0.00	59.63	-	-	74.00	-14.37	62	110	H
		* 2.48364	53.41	Pk	32.40	-24.90	0.00	60.91	-	-	74.00	-13.09	62	110	H
		* 2.4835	34.56	RMS	32.40	-24.90	2.84	44.90	54.00	-9.10	-	-	62	110	H
		* 2.48368	34.62	RMS	32.40	-24.90	2.84	44.96	54.00	-9.04	-	-	62	110	H
		* 2.4835	50.41	Pk	32.40	-24.90	0.00	57.91	-	-	74.00	-16.09	273	120	V
		* 2.48351	51.75	Pk	32.40	-24.90	0.00	59.25	-	-	74.00	-14.75	273	120	V
		* 2.4835	34.58	RMS	32.40	-24.90	2.84	44.92	54.00	-9.08	-	-	273	120	V
		* 2.48387	33.32	RMS	32.40	-24.90	2.84	43.66	54.00	-10.34	-	-	273	120	V
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2402	DUAL	* 2.39	39.46	Pk	32.10	-24.90	0.00	46.66	-	-	74.00	-27.34	59	121	H
		* 2.37532	43.08	Pk	32.10	-25.00	0.00	50.18	-	-	74.00	-23.82	59	121	H
		* 2.39	31.04	RMS	32.10	-24.90	2.84	41.08	54.00	-12.92	-	-	59	121	H
		* 2.38478	31.45	RMS	32.10	-25.00	2.84	41.39	54.00	-12.61	-	-	59	121	H
		* 2.39	39.74	Pk	32.10	-24.90	0.00	46.94	-	-	74.00	-27.06	102	396	V
		* 2.38946	42.88	Pk	32.10	-24.90	0.00	50.08	-	-	74.00	-23.92	102	396	V
		* 2.39	30.12	RMS	32.10	-24.90	2.84	40.16	54.00	-13.84	-	-	102	396	V
		* 2.34778	31.56	RMS	32.00	-25.00	2.84	41.40	54.00	-12.60	-	-	102	396	V
2480	DUAL	* 2.4835	47.56	Pk	32.40	-24.90	0.00	55.06	-	-	74.00	-18.94	59	110	H
		* 2.48362	49.27	Pk	32.40	-24.90	0.00	56.77	-	-	74.00	-17.23	59	110	H
		* 2.4835	32.70	RMS	32.40	-24.90	2.84	43.04	54.00	-10.96	-	-	59	110	H
		* 2.48358	33.39	RMS	32.40	-24.90	2.84	43.73	54.00	-10.27	-	-	59	110	H
		* 2.4835	46.66	Pk	32.40	-24.90	0.00	54.16	-	-	74.00	-19.84	133	319	V
		* 2.48355	47.66	Pk	32.40	-24.90	0.00	55.16	-	-	74.00	-18.84	133	319	V
		* 2.4835	31.35	RMS	32.40	-24.90	2.84	41.69	54.00	-12.31	-	-	133	319	V
		2.550	31.97	RMS	32.40	-24.80	2.84	42.41	54.00	-11.59	-	-	133	319	V

Note1. Pk - Peak detector, RMS - RMS detector

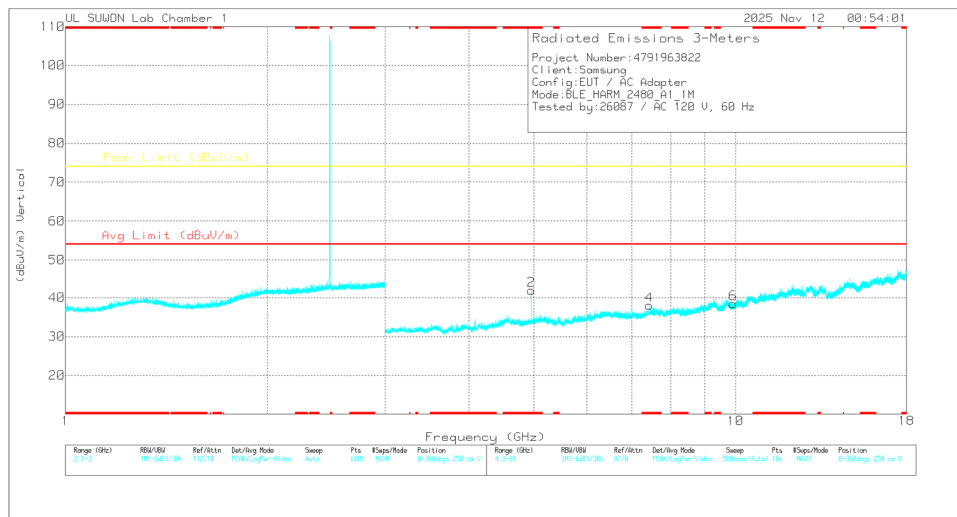
Note2. * - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

HARMONICS AND SPURIOUS EMISSIONS(WORST CASE: 2480 MHz, ANT1)

2480 MHz RESULTS



HORIZONTAL



VERTICAL

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Factor (dB/m)	3GHz HP Path Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.95944	47.42	PK2	34.2	-32.9	0	48.72	-	-	74	-25.28	111	100	H
* 4.95966	38.45	MAV1	34.2	-32.9	2.84	42.59	54	-11.41	-	-	111	100	H
* 4.95959	47.74	PK2	34.2	-32.9	0	49.04	-	-	74	-24.96	193	162	V
* 4.95963	38.49	MAV1	34.2	-32.9	2.84	42.63	54	-11.37	-	-	193	162	V
* 7.43915	42.81	PK2	35.6	-30.4	0	48.01	-	-	74	-25.99	217	147	H
* 7.43941	31.89	MAV1	35.6	-30.4	2.84	39.93	54	-14.07	-	-	217	147	H
* 7.43935	42.56	PK2	35.6	-30.4	0	47.76	-	-	74	-26.24	187	189	V
* 7.43935	30.6	MAV1	35.6	-30.4	2.84	38.64	54	-15.36	-	-	187	189	V
9.91923	39.08	PK2	37.4	-27.1	0	49.38	-	-	74	-24.62	169	227	H
9.91879	38.28	PK2	37.4	-27.1	0	48.58	-	-	74	-25.42	180	232	V

* - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band
PK2 - KDB558074 Method: Maximum Peak
MAV1 - KDB558074 Option 1 Maximum RMS Average

HARMONICS AND SPURIOUS EMISSIONS TEST DATA

Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2402	ANT1	* 4.80384	44.77	PK2	34.20	-33.00	0.00	45.97	-	-	74.00	-28.03	122	357	H
		* 4.80387	35.32	MAV1	34.20	-33.00	2.84	39.36	54.00	-14.64	-	-	122	357	H
		* 4.8045	45.52	PK2	34.20	-33.00	0.00	46.72	-	-	74.00	-27.28	169	159	V
		* 4.80378	35.84	MAV1	34.20	-33.00	2.84	39.88	54.00	-14.12	-	-	169	159	V
		7.205	41.58	PK2	35.50	-30.90	0.00	46.18	-	-	74.00	-27.82	217	132	H
		7.206	42.00	PK2	35.50	-31.00	0.00	46.50	-	-	74.00	-27.50	172	133	V
		9.608	36.96	PK2	37.00	-27.10	0.00	46.86	-	-	74.00	-27.14	0	100	H
		9.610	36.77	PK2	37.00	-27.10	0.00	46.67	-	-	74.00	-27.33	0	100	V
2440	ANT1	* 4.87937	44.07	PK2	34.20	-33.00	0.00	45.27	-	-	74.00	-28.73	121	346	H
		* 4.87977	32.99	MAV1	34.20	-33.00	2.84	37.03	54.00	-16.97	-	-	121	346	H
		* 4.8798	43.80	PK2	34.20	-33.00	0.00	45.00	-	-	74.00	-29.00	172	136	V
		* 4.87986	32.39	MAV1	34.20	-33.00	2.84	36.43	54.00	-17.57	-	-	172	136	V
		* 7.32025	41.34	PK2	35.50	-30.80	0.00	46.04	-	-	74.00	-27.96	219	140	H
		* 7.31937	29.16	MAV1	35.50	-30.80	2.84	36.70	54.00	-17.30	-	-	219	140	H
		* 7.31933	41.33	PK2	35.50	-30.80	0.00	46.03	-	-	74.00	-27.97	165	154	V
		* 7.31929	29.26	MAV1	35.50	-30.80	2.84	36.80	54.00	-17.20	-	-	165	154	V
		9.760	36.99	PK2	37.20	-26.40	0.00	47.79	-	-	74.00	-26.21	0	100	H
		9.762	36.65	PK2	37.20	-26.50	0.00	47.35	-	-	74.00	-26.65	0	100	V
2480	ANT1	* 4.95944	47.42	PK2	34.20	-32.90	0.00	48.72	-	-	74.00	-25.28	111	100	H
		* 4.95966	38.45	MAV1	34.20	-32.90	2.84	42.59	54.00	-11.41	-	-	111	100	H
		* 4.95959	47.74	PK2	34.20	-32.90	0.00	49.04	-	-	74.00	-24.96	193	162	V
		* 4.95963	38.49	MAV1	34.20	-32.90	2.84	42.63	54.00	-11.37	-	-	193	162	V
		* 7.43915	42.81	PK2	35.60	-30.40	0.00	48.01	-	-	74.00	-25.99	217	147	H
		* 7.43941	31.89	MAV1	35.60	-30.40	2.84	39.93	54.00	-14.07	-	-	217	147	H
		* 7.43935	42.56	PK2	35.60	-30.40	0.00	47.76	-	-	74.00	-26.24	187	189	V
		* 7.43935	30.60	MAV1	35.60	-30.40	2.84	38.64	54.00	-15.36	-	-	187	189	V
		9.919	39.08	PK2	37.40	-27.10	0.00	49.38	-	-	74.00	-24.62	169	227	H
		9.919	38.28	PK2	37.40	-27.10	0.00	48.58	-	-	74.00	-25.42	180	232	V
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2402	ANT2	* 4.80358	40.16	PK2	34.20	-33.00	0.00	41.36	-	-	74.00	-32.64	312	114	H
		* 4.80385	35.43	MAV1	34.20	-33.00	2.84	39.47	54.00	-14.53	-	-	312	114	H
		* 4.80357	45.25	PK2	34.20	-33.00	0.00	46.45	-	-	74.00	-27.55	90	371	V
		* 4.80388	33.70	MAV1	34.20	-33.00	2.84	37.74	54.00	-16.26	-	-	90	371	V
		7.208	40.50	PK2	35.50	-30.90	0.00	45.10	-	-	74.00	-28.90	62	103	H
		7.207	40.78	PK2	35.50	-31.00	0.00	45.28	-	-	74.00	-28.72	104	101	V
		9.607	37.69	PK2	37.00	-27.10	0.00	47.59	-	-	74.00	-26.41	0	100	H
		9.608	36.76	PK2	37.00	-27.10	0.00	46.66	-	-	74.00	-27.34	0	100	V
2440	ANT2	* 4.87951	45.77	PK2	34.20	-33.00	0.00	46.97	-	-	74.00	-27.03	292	116	H
		* 4.8798	36.52	MAV1	34.20	-33.00	2.84	40.56	54.00	-13.44	-	-	292	116	H
		* 4.87994	44.20	PK2	34.20	-33.00	0.00	45.40	-	-	74.00	-28.60	11	114	V
		* 4.87981	33.33	MAV1	34.20	-33.00	2.84	37.37	54.00	-16.63	-	-	11	114	V
		* 7.32021	40.69	PK2	35.50	-30.80	0.00	45.39	-	-	74.00	-28.61	2	119	H
		* 7.31928	28.59	MAV1	35.50	-30.80	2.84	36.13	54.00	-17.87	-	-	2	119	H
		* 7.32106	40.71	PK2	35.50	-30.70	0.00	45.51	-	-	74.00	-28.49	115	101	V
		* 7.31927	29.07	MAV1	35.50	-30.80	2.84	36.61	54.00	-17.39	-	-	115	101	V
		9.764	36.77	PK2	37.20	-26.60	0.00	47.37	-	-	74.00	-26.63	0	100	H
		9.760	37.38	PK2	37.20	-26.40	0.00	48.18	-	-	74.00	-25.82	0	101	V
2480	ANT2	* 4.95963	46.57	PK2	34.20	-32.90	0.00	47.87	-	-	74.00	-26.13	285	110	H
		* 4.95985	36.80	MAV1	34.20	-32.90	2.84	40.94	54.00	-13.06	-	-	285	110	H
		* 4.96047	45.57	PK2	34.20	-32.90	0.00	46.87	-	-	74.00	-27.13	13	130	V
		* 4.95975	35.14	MAV1	34.20	-32.90	2.84	39.28	54.00	-14.72	-	-	13	130	V
		* 7.44038	40.45	PK2	35.60	-30.40	0.00	45.65	-	-	74.00	-28.35	5	112	H
		* 7.43919	28.17	MAV1	35.60	-30.40	2.84	36.21	54.00	-17.79	-	-	5	112	H
		* 7.43927	40.81	PK2	35.60	-30.40	0.00	46.01	-	-	74.00	-27.99	110	100	V
		* 7.44057	29.10	MAV1	35.60	-30.40	2.84	37.14	54.00	-16.86	-	-	110	100	V
		9.920	37.13	PK2	37.40	-27.10	0.00	47.43	-	-	74.00	-26.57	0	100	H
		9.919	37.04	PK2	37.40	-27.10	0.00	47.34	-	-	74.00	-26.66	0	100	V

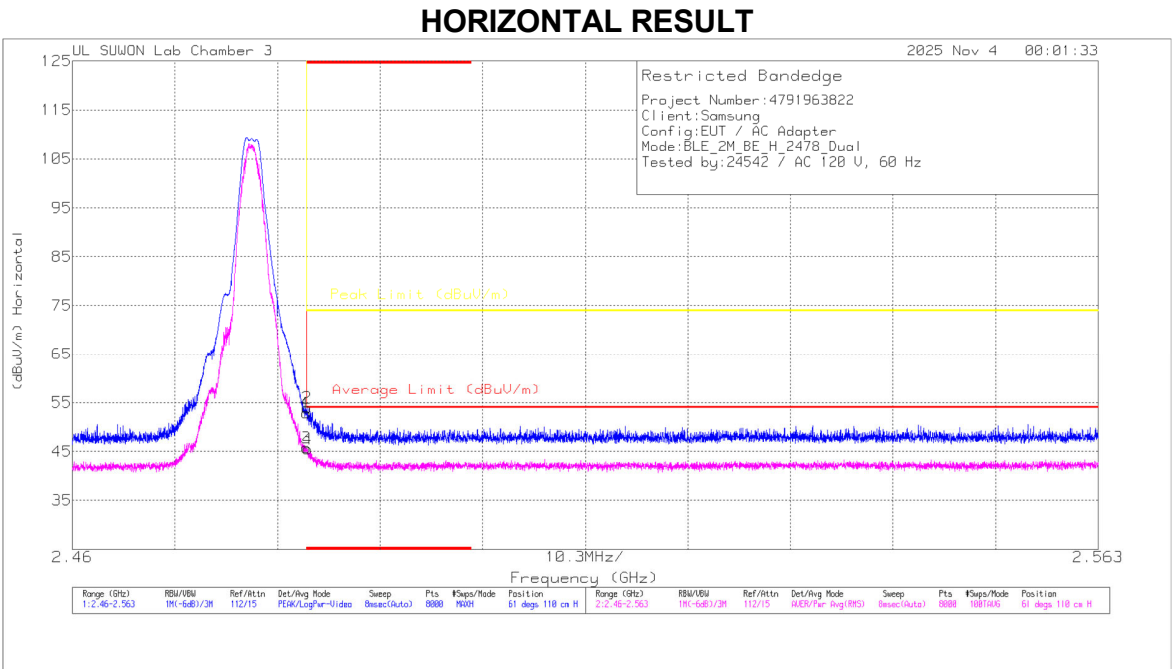
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2402	DUAL	* 4.80368	46.10	PK2	34.20	-33.00	0.00	47.30	-	-	74.00	-26.70	312	114	H
		* 4.8042	35.45	MAV1	34.20	-33.00	2.84	39.49	54.00	-14.51	-	-	312	114	H
		* 4.80402	44.16	PK2	34.20	-33.00	0.00	45.36	-	-	74.00	-28.64	13	150	V
		* 4.80366	33.16	MAV1	34.20	-33.00	2.84	37.20	54.00	-16.80	-	-	13	150	V
		7.206	41.52	PK2	35.50	-30.90	0.00	46.12	-	-	74.00	-27.88	0	100	H
		7.205	41.18	PK2	35.50	-30.90	0.00	45.78	-	-	74.00	-28.22	101	100	V
		9.608	37.61	PK2	37.00	-27.10	0.00	47.51	-	-	74.00	-26.49	0	100	H
		9.609	37.53	PK2	37.00	-27.10	0.00	47.43	-	-	74.00	-26.57	0	100	V
2440	DUAL	* 4.88015	36.17	MAV1	34.20	-33.00	2.84	40.21	54.00	-13.79	-	-	300	124	H
		* 4.87939	46.01	PK2	34.20	-33.00	0.00	47.21	-	-	74.00	-26.79	300	124	H
		* 4.87966	33.80	MAV1	34.20	-33.00	2.84	37.84	54.00	-16.16	-	-	18	148	V
		* 4.88003	44.18	PK2	34.20	-33.00	0.00	45.38	-	-	74.00	-28.62	18	148	V
		* 7.32043	40.87	PK2	35.50	-30.80	0.00	45.57	-	-	74.00	-28.43	0	100	H
		* 7.31953	29.71	MAV1	35.50	-30.80	2.84	37.25	54.00	-16.75	-	-	110	101	V
		* 7.31885	41.20	PK2	35.50	-30.80	0.00	45.90	-	-	74.00	-28.10	110	101	V
		9.762	37.00	PK2	37.20	-26.40	0.00	47.80	-	-	74.00	-26.20	0	100	H
2480	DUAL	9.758	36.56	PK2	37.20	-26.30	0.00	47.46	-	-	74.00	-26.54	0	100	V
		* 4.96002	37.58	MAV1	34.20	-32.90	2.84	41.72	54.00	-12.28	-	-	285	110	H
		* 4.95972	47.14	PK2	34.20	-32.90	0.00	48.44	-	-	74.00	-25.56	285	110	H
		* 4.95986	35.59	MAV1	34.20	-32.90	2.84	39.73	54.00	-14.27	-	-	12	350	V
		* 4.95955	45.51	PK2	34.20	-32.90	0.00	46.81	-	-	74.00	-27.19	12	350	V
		* 7.43914	40.47	PK2	35.60	-30.40	0.00	45.67	-	-	74.00	-28.33	0	100	H
		* 7.44061	29.53	MAV1	35.60	-30.40	2.84	37.57	54.00	-16.43	-	-	117	100	V
		* 7.43959	41.09	PK2	35.60	-30.40	0.00	46.29	-	-	74.00	-27.71	117	100	V
		9.918	36.95	PK2	37.40	-27.10	0.00	47.25	-	-	74.00	-26.75	0	100	H
		9.918	37.24	PK2	37.40	-27.10	0.00	47.54	-	-	74.00	-26.46	0	100	V

Note1. PK2 - KDB558074 Method: Maximum Peak / MAV1 - KDB558074 Option 1 Maximum RMS Average

Note2. * - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

10.2.2. TX ABOVE 1 GHz BLUETOOTH LE 2 Mbps

BANDEDGE (WORST CASE: 2478 MHz, DUAL)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna_Factor (dBm)	10dB_Path Loss(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.4835	45.39	Pk	32.4	-24.9	0	52.89	-	-	74	-21.11	61	110	H
2	* 2.48356	46.43	Pk	32.4	-24.9	0	53.93	-	-	74	-20.07	61	110	H
3	* 2.4835	34	RMS	32.4	-24.9	4.22	45.72	54	-8.28	-	-	61	110	H
4	* 2.48364	33.77	RMS	32.4	-24.9	4.22	45.49	54	-8.51	-	-	61	110	H

* - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

BANDEDGE TEST DATA

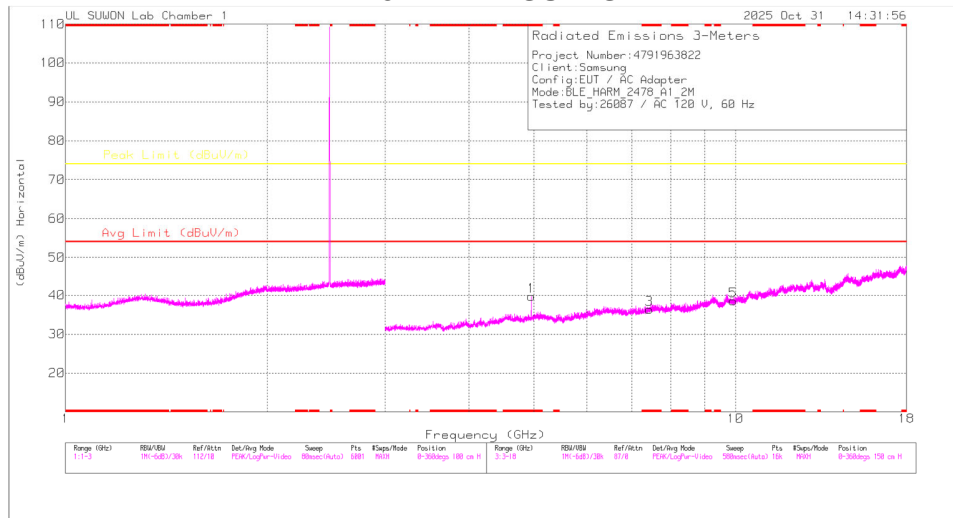
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2404	ANT1	* 2.39	40.48	Pk	32.10	-24.90	0.00	47.68	-	-	74.00	-26.32	232	141	H
		* 2.37094	43.16	Pk	32.00	-25.00	0.00	50.16	-	-	74.00	-23.84	232	141	H
		* 2.39	30.01	RMS	32.10	-24.90	1.16	38.37	54.00	-15.63	-	-	232	141	H
		* 2.34697	31.78	RMS	32.00	-25.00	1.16	39.94	54.00	-14.06	-	-	232	141	H
		* 2.39	39.74	Pk	32.10	-24.90	0.00	46.94	-	-	74.00	-27.06	260	100	V
		* 2.322	42.98	Pk	31.90	-24.90	0.00	49.98	-	-	74.00	-24.02	260	100	V
		* 2.39	30.30	RMS	32.10	-24.90	1.16	38.66	54.00	-15.34	-	-	260	100	V
		* 2.33906	31.45	RMS	32.00	-25.00	1.16	39.61	54.00	-14.39	-	-	260	100	V
2478	ANT1	* 2.4835	40.15	Pk	32.40	-24.90	0.00	47.65	-	-	74.00	-26.35	233	173	H
		* 2.511	43.71	Pk	32.40	-24.80	0.00	51.31	-	-	74.00	-22.69	233	173	H
		* 2.4835	30.45	RMS	32.40	-24.90	1.16	39.11	54.00	-14.89	-	-	233	173	H
		* 2.542	31.52	RMS	32.40	-24.70	1.16	40.38	54.00	-13.62	-	-	233	173	H
		* 2.4835	40.91	Pk	32.40	-24.90	0.00	48.41	-	-	74.00	-25.59	135	321	V
		* 2.48353	44.69	Pk	32.40	-24.90	0.00	52.19	-	-	74.00	-21.81	135	321	V
		* 2.4835	30.85	RMS	32.40	-24.90	1.16	39.51	54.00	-14.49	-	-	135	321	V
		* 2.516	31.78	RMS	32.40	-24.70	1.16	40.64	54.00	-13.36	-	-	135	321	V
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2404	ANT2	* 2.39	39.33	Pk	32.10	-24.90	0.00	46.53	-	-	74.00	-27.47	57	124	H
		* 2.33133	42.80	Pk	31.90	-24.90	0.00	49.80	-	-	74.00	-24.20	57	124	H
		* 2.39	30.37	RMS	32.10	-24.90	1.16	38.73	54.00	-15.27	-	-	57	124	H
		* 2.38858	31.21	RMS	32.10	-24.90	1.16	39.57	54.00	-14.43	-	-	57	124	H
		* 2.39	40.36	Pk	32.10	-24.90	0.00	47.56	-	-	74.00	-26.44	252	122	V
		* 2.3887	42.97	Pk	32.10	-24.90	0.00	50.17	-	-	74.00	-23.83	252	122	V
		* 2.39	29.73	RMS	32.10	-24.90	1.16	38.09	54.00	-15.91	-	-	252	122	V
		* 2.37611	30.91	RMS	32.10	-25.00	1.16	39.17	54.00	-14.83	-	-	252	122	V
2478	ANT2	* 2.4835	51.47	Pk	32.40	-24.90	0.00	58.97	-	-	74.00	-15.03	63	110	H
		* 2.48351	51.83	Pk	32.40	-24.90	0.00	59.33	-	-	74.00	-14.67	63	110	H
		* 2.4835	31.71	RMS	32.40	-24.90	1.16	40.37	54.00	-13.63	-	-	63	110	H
		* 2.48391	33.20	RMS	32.40	-24.90	1.16	41.86	54.00	-12.14	-	-	63	110	H
		* 2.4835	48.68	Pk	32.40	-24.90	0.00	56.18	-	-	74.00	-17.82	276	117	V
		* 2.48362	49.86	Pk	32.40	-24.90	0.00	57.36	-	-	74.00	-16.64	276	117	V
		* 2.4835	32.10	RMS	32.40	-24.90	1.16	40.76	54.00	-13.24	-	-	276	117	V
		* 2.48351	33.27	RMS	32.40	-24.90	1.16	41.93	54.00	-12.07	-	-	276	117	V
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2404	DUAL	* 2.39	39.73	Pk	32.10	-24.90	0.00	46.93	-	-	74.00	-27.07	56	100	H
		* 2.36507	43.05	Pk	32.00	-25.00	0.00	50.05	-	-	74.00	-23.95	56	100	H
		* 2.39	30.14	RMS	32.10	-24.90	4.22	41.56	54.00	-12.44	-	-	56	100	H
		* 2.37297	31.36	RMS	32.00	-25.00	4.22	42.58	54.00	-11.42	-	-	56	100	H
		* 2.39	40.27	Pk	32.10	-24.90	0.00	47.47	-	-	74.00	-26.53	104	398	V
		* 2.38069	43.30	Pk	32.10	-25.10	0.00	50.30	-	-	74.00	-23.70	104	398	V
		* 2.39	29.47	RMS	32.10	-24.90	4.22	40.89	54.00	-13.11	-	-	104	398	V
		* 2.3187	31.47	RMS	31.90	-25.00	4.22	42.59	54.00	-11.41	-	-	104	398	V
2478	DUAL	* 2.4835	45.39	Pk	32.40	-24.90	0.00	52.89	-	-	74.00	-21.11	61	110	H
		* 2.48356	46.43	Pk	32.40	-24.90	0.00	53.93	-	-	74.00	-20.07	61	110	H
		* 2.4835	34.00	RMS	32.40	-24.90	4.22	45.72	54.00	-8.28	-	-	61	110	H
		* 2.48364	33.77	RMS	32.40	-24.90	4.22	45.49	54.00	-8.51	-	-	61	110	H
		* 2.4835	42.23	Pk	32.40	-24.90	0.00	49.73	-	-	74.00	-24.27	133	317	V
		* 2.48369	45.20	Pk	32.40	-24.90	0.00	52.70	-	-	74.00	-21.30	133	317	V
		* 2.4835	31.84	RMS	32.40	-24.90	4.22	43.56	54.00	-10.44	-	-	133	317	V
		* 2.48364	32.57	RMS	32.40	-24.90	4.22	44.29	54.00	-9.71	-	-	133	317	V

Note1. Pk - Peak detector, RMS - RMS detector

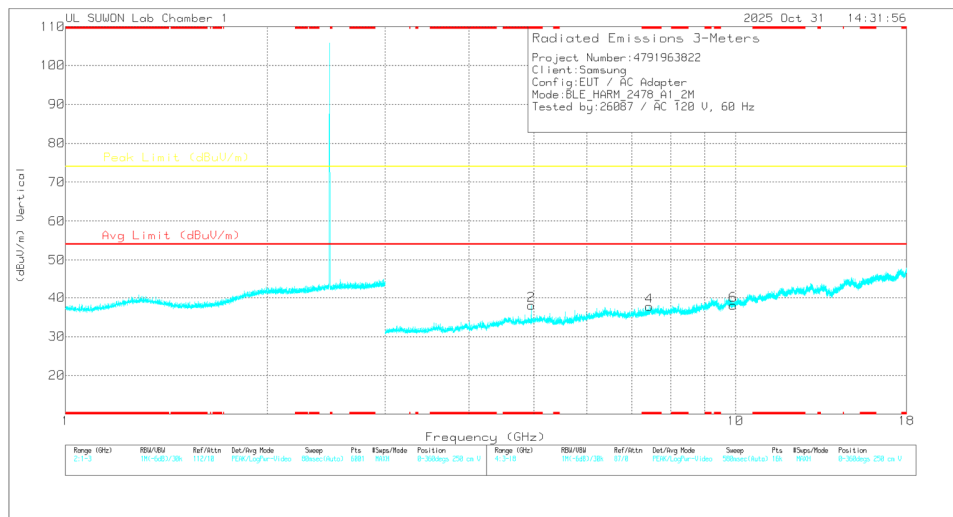
Note2. * - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

HARMONICS AND SPURIOUS EMISSIONS(WORST CASE: 2478 MHz, ANT1)

2478 MHz RESULTS



HORIZONTAL



VERTICAL

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Factor (dB/m)	3GHz HP Path Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.95682	47.4	PK2	34.2	-33	0	48.6	-	-	74	-25.4	307	178	H
* 4.95693	32.6	MAV1	34.2	-33	1.16	34.96	54	-19.04	-	-	307	178	H
* 4.95689	47.74	PK2	34.2	-33	0	48.94	-	-	74	-25.06	169	112	V
* 4.95596	35.13	MAV1	34.2	-33	1.16	37.49	54	-16.51	-	-	169	112	V
* 7.43377	60.67	PK2	35.6	-30.3	0	65.97	-	-	74	-8.03	0	100	H
* 7.4328	28.49	MAV1	35.6	-30.3	1.16	34.95	54	-19.05	-	-	0	100	H
* 7.433	48.74	PK2	35.6	-30.3	0	54.04	-	-	74	-19.96	264	349	V
* 7.43527	29.32	MAV1	35.6	-30.4	1.16	35.68	54	-18.32	-	-	264	349	V
9.90985	37.25	PK2	37.4	-27.1	0	47.55	-	-	74	-26.45	0	100	H
9.91362	37.47	PK2	37.4	-27.1	0	47.77	-	-	74	-26.23	0	100	V

* - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band
PK2 - KDB558074 Method: Maximum Peak
MAV1 - KDB558074 Option 1 Maximum RMS Average

HARMONICS AND SPURIOUS EMISSIONS TEST DATA

Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2404	ANT1	* 4.80688	43.42	PK2	34.20	-32.90	0.00	44.72	-	-	74.00	-29.28	70	187	H
		* 4.80714	31.49	MAV1	34.20	-32.90	1.16	33.95	54.00	-20.05	-	-	70	187	H
		* 4.80727	43.26	PK2	34.20	-32.90	0.00	44.56	-	-	74.00	-29.44	169	392	V
		* 4.80693	31.23	MAV1	34.20	-32.90	1.16	33.69	54.00	-20.31	-	-	169	392	V
		7.214	54.57	PK2	35.60	-30.90	0.00	59.27	-	-	74.00	-14.73	0	100	H
		7.212	49.57	PK2	35.60	-30.90	0.00	54.27	-	-	74.00	-19.73	0	100	V
		9.614	37.39	PK2	37.00	-27.00	0.00	47.39	-	-	74.00	-26.61	0	100	H
2440	ANT1	9.615	36.78	PK2	37.00	-27.00	0.00	46.78	-	-	74.00	-27.22	0	100	V
		* 4.8788	43.99	PK2	34.20	-33.00	0.00	45.19	-	-	74.00	-28.81	211	188	H
		* 4.87908	32.01	MAV1	34.20	-33.00	1.16	34.37	54.00	-19.63	-	-	211	188	H
		* 4.87907	44.14	PK2	34.20	-33.00	0.00	45.34	-	-	74.00	-28.66	92	327	V
		* 4.87908	31.24	MAV1	34.20	-33.00	1.16	33.60	54.00	-20.40	-	-	92	327	V
		* 7.31887	58.92	PK2	35.50	-30.80	0.00	63.62	-	-	74.00	-10.38	0	100	H
		* 7.32066	28.68	MAV1	35.50	-30.80	1.16	34.54	54.00	-19.46	-	-	0	100	H
2478	ANT1	* 7.32049	48.27	PK2	35.50	-30.80	0.00	52.97	-	-	74.00	-21.03	0	100	V
		* 7.31989	29.14	MAV1	35.50	-30.80	1.16	35.00	54.00	-19.00	-	-	0	100	V
		9.762	36.88	PK2	37.20	-26.40	0.00	47.68	-	-	74.00	-26.32	0	100	H
		9.759	37.13	PK2	37.20	-26.30	0.00	48.03	-	-	74.00	-25.97	0	100	V
		* 4.95682	47.40	PK2	34.20	-33.00	0.00	48.60	-	-	74.00	-25.40	307	178	H
		* 4.95593	32.60	MAV1	34.20	-33.00	1.16	34.96	54.00	-19.04	-	-	307	178	H
		* 4.95689	47.74	PK2	34.20	-33.00	0.00	48.94	-	-	74.00	-25.06	169	112	V
2478	ANT1	* 4.95596	35.13	MAV1	34.20	-33.00	1.16	37.49	54.00	-16.51	-	-	169	112	V
		* 7.43377	60.67	PK2	35.60	-30.30	0.00	65.97	-	-	74.00	-8.03	0	100	H
		* 7.4328	28.49	MAV1	35.60	-30.30	1.16	34.95	54.00	-19.05	-	-	0	100	H
		* 7.433	48.74	PK2	35.60	-30.30	0.00	54.04	-	-	74.00	-19.96	264	349	V
		* 7.43527	29.32	MAV1	35.60	-30.40	1.16	35.68	54.00	-18.32	-	-	264	349	V
		9.910	37.25	PK2	37.40	-27.10	0.00	47.55	-	-	74.00	-26.45	0	100	H
		9.914	37.47	PK2	37.40	-27.10	0.00	47.77	-	-	74.00	-26.23	0	100	V
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2404	ANT2	* 4.80889	45.30	PK2	34.20	-33.00	0.00	46.50	-	-	74.00	-27.50	301	119	H
		* 4.80885	34.59	MAV1	34.20	-33.00	1.16	36.95	54.00	-17.05	-	-	301	119	H
		* 4.80892	45.33	PK2	34.20	-33.00	0.00	46.53	-	-	74.00	-27.47	99	380	V
		* 4.80894	33.99	MAV1	34.20	-33.00	1.16	36.35	54.00	-17.65	-	-	99	380	V
		7.211	41.00	PK2	35.60	-30.90	0.00	45.70	-	-	74.00	-28.30	0	100	H
		7.211	40.85	PK2	35.60	-30.90	0.00	45.55	-	-	74.00	-28.45	104	100	V
		9.615	37.12	PK2	37.00	-27.00	0.00	47.12	-	-	74.00	-26.88	0	100	H
2440	ANT2	9.617	36.44	PK2	37.00	-27.00	0.00	46.44	-	-	74.00	-27.56	0	100	V
		* 4.87912	45.62	PK2	34.20	-33.00	0.00	46.82	-	-	74.00	-27.18	304	124	H
		* 4.87912	35.06	MAV1	34.20	-33.00	1.16	37.42	54.00	-16.58	-	-	304	124	H
		* 4.87917	43.94	PK2	34.20	-33.00	0.00	45.14	-	-	74.00	-28.86	15	113	V
		* 4.88105	32.58	MAV1	34.20	-33.00	1.16	34.94	54.00	-19.06	-	-	15	113	V
		* 7.32094	41.37	PK2	35.50	-30.80	0.00	46.07	-	-	74.00	-27.93	0	100	H
		* 7.32142	28.76	MAV1	35.50	-30.70	1.16	34.72	54.00	-19.28	-	-	0	100	H
2478	ANT2	* 7.32028	40.60	PK2	35.50	-30.80	0.00	45.30	-	-	74.00	-28.70	0	100	V
		* 7.32121	28.56	MAV1	35.50	-30.70	1.16	34.52	54.00	-19.48	-	-	0	100	V
		9.760	36.85	PK2	37.20	-26.40	0.00	47.65	-	-	74.00	-26.35	0	100	V
		9.759	36.99	PK2	37.20	-26.40	0.00	47.79	-	-	74.00	-26.21	0	100	H
		* 4.95721	46.66	PK2	34.20	-32.90	0.00	47.96	-	-	74.00	-26.04	285	153	H
		* 4.95691	36.47	MAV1	34.20	-33.00	1.16	38.83	54.00	-15.17	-	-	285	153	H
		* 4.957	46.12	PK2	34.20	-33.00	0.00	47.32	-	-	74.00	-26.68	334	398	V
2478	ANT2	* 4.95681	35.76	MAV1	34.20	-33.00	1.16	38.12	54.00	-15.88	-	-	334	398	V
		* 7.43496	40.50	PK2	35.60	-30.30	0.00	45.80	-	-	74.00	-28.20	0	100	H
		* 7.43531	28.47	MAV1	35.60	-30.40	1.16	34.83	54.00	-19.17	-	-	0	100	H
		* 7.43242	40.67	PK2	35.60	-30.30	0.00	45.97	-	-	74.00	-28.03	108	102	V
		* 7.43512	28.81	MAV1	35.60	-30.30	1.16	35.27	54.00	-18.73	-	-	108	102	V
		9.912	37.86	PK2	37.40	-27.10	0.00	48.16	-	-	74.00	-25.84	0	100	H
		9.913	37.37	PK2	37.40	-27.10	0.00	47.67	-	-	74.00	-26.33	0	100	V

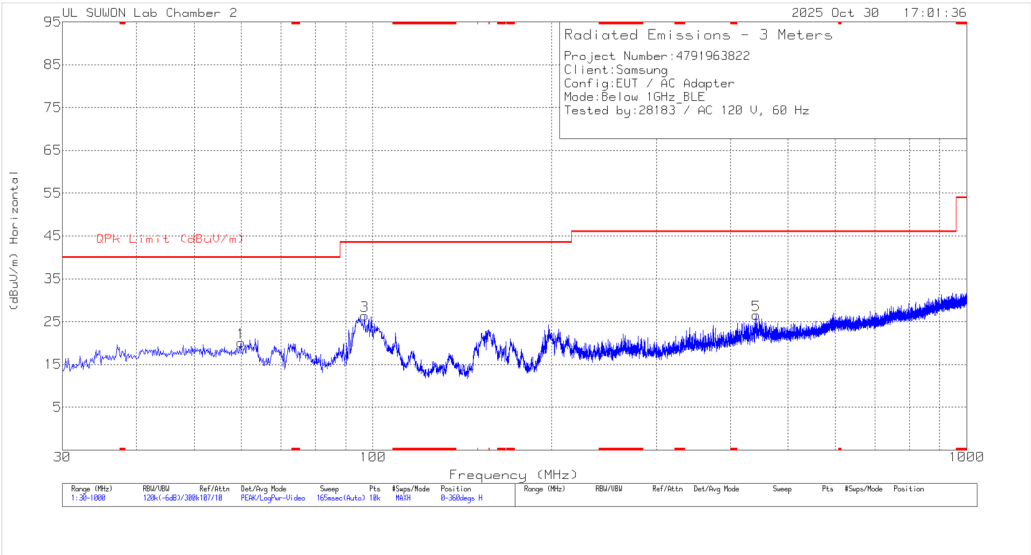
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2404	DUAL	* 4.80899	45.87	PK2	34.20	-33.00	0.00	47.07	-	-	74.00	-26.93	310	114	H
		* 4.80704	33.49	MAv1	34.20	-32.90	4.22	39.01	54.00	-14.99	-	-	310	114	H
		* 4.80843	43.63	PK2	34.20	-33.00	0.00	44.83	-	-	74.00	-29.17	14	109	V
		* 4.80715	31.98	MAv1	34.20	-32.90	4.22	37.50	54.00	-16.50	-	-	14	109	V
		7.212	40.38	PK2	35.60	-30.90	0.00	45.08	-	-	74.00	-28.92	0	100	H
		7.213	40.50	PK2	35.60	-30.90	0.00	45.20	-	-	74.00	-28.80	0	100	V
		9.620	37.08	PK2	37.00	-27.00	0.00	47.08	-	-	74.00	-26.92	0	100	H
2440	DUAL	9.614	36.97	PK2	37.00	-27.00	0.00	46.97	-	-	74.00	-27.03	0	100	V
		* 4.8789	34.41	MAv1	34.20	-33.00	4.22	39.83	54.00	-14.17	-	-	299	125	H
		* 4.87905	46.04	PK2	34.20	-33.00	0.00	47.24	-	-	74.00	-26.76	299	125	H
		* 4.87907	32.32	MAv1	34.20	-33.00	4.22	37.74	54.00	-16.26	-	-	15	136	V
		* 4.87879	43.72	PK2	34.20	-33.00	0.00	44.92	-	-	74.00	-29.08	15	136	V
		* 7.32236	40.65	PK2	35.50	-30.80	0.00	45.35	-	-	74.00	-28.65	0	100	H
		* 7.32199	40.96	PK2	35.50	-30.70	0.00	45.76	-	-	74.00	-28.24	0	100	V
2478	DUAL	9.760	36.84	PK2	37.20	-26.40	0.00	47.64	-	-	74.00	-26.36	0	100	H
		9.758	36.88	PK2	37.20	-26.30	0.00	47.78	-	-	74.00	-26.22	0	100	V
		* 4.95504	34.73	MAv1	34.20	-32.90	4.22	40.25	54.00	-13.75	-	-	285	111	H
		* 4.95685	46.48	PK2	34.20	-33.00	0.00	47.68	-	-	74.00	-26.32	285	111	H
		* 4.95687	33.45	MAv1	34.20	-33.00	4.22	38.87	54.00	-15.13	-	-	14	351	V
		* 4.95596	45.01	PK2	34.20	-33.00	0.00	46.21	-	-	74.00	-27.79	14	351	V
		* 7.43576	40.41	PK2	35.60	-30.40	0.00	45.61	-	-	74.00	-28.39	0	100	H
	DUAL	* 7.43259	29.06	MAv1	35.60	-30.30	4.22	38.58	54.00	-15.42	-	-	112	100	V
		* 7.43206	40.71	PK2	35.60	-30.40	0.00	45.91	-	-	74.00	-28.09	112	100	V
		9.914	37.86	PK2	37.40	-27.10	0.00	48.16	-	-	74.00	-25.84	0	100	H
		9.914	37.51	PK2	37.40	-27.10	0.00	47.81	-	-	74.00	-26.19	0	100	V

Note1. PK2 - KDB558074 Method: Maximum Peak / MAv1 - KDB558074 Option 1 Maximum RMS Average

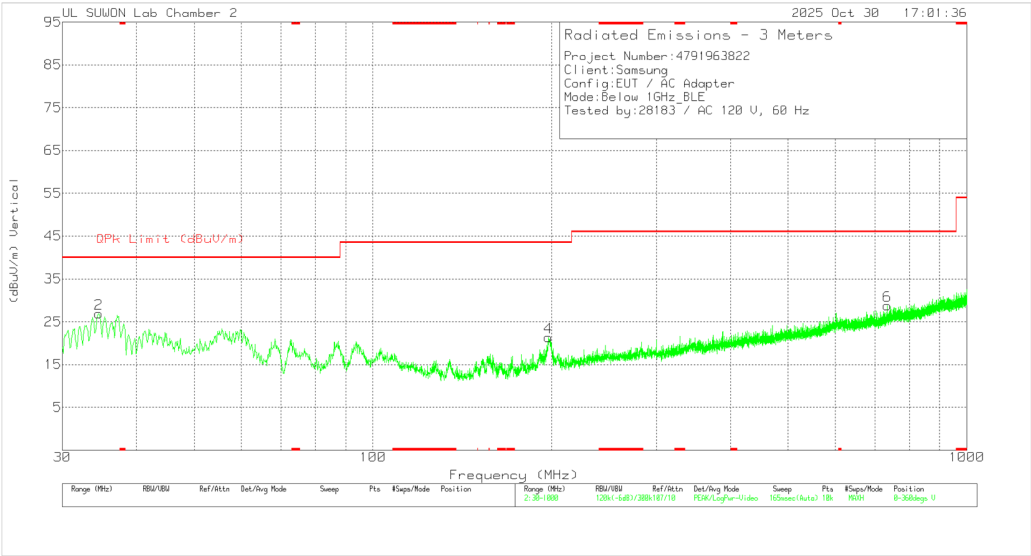
Note2. * - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

10.3. WORST CASE BELOW 1 GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)



HORIZONTAL



VERTICAL

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Antenna_Factor (dB/m)	Below_1G_Path Loss(dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	59.973	33.42	Pk	18.5	-31.8	20.12	40	-19.88	0-360	300	H
2	34.559	42.44	Pk	16.4	-31.9	26.94	40	-13.06	0-360	100	V
3	96.833	40.88	Pk	16.9	-31.4	26.38	43.52	-17.14	0-360	200	H
4	197.422	34.63	Pk	17.5	-30.8	21.33	43.52	-22.19	0-360	100	V
5	442.153	34.55	Pk	21.9	-29.9	26.55	46.02	-19.47	0-360	100	H
6	734.705	31.83	Pk	26.1	-29.1	28.83	46.02	-17.19	0-360	200	V

Pk - Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

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 C63.10.

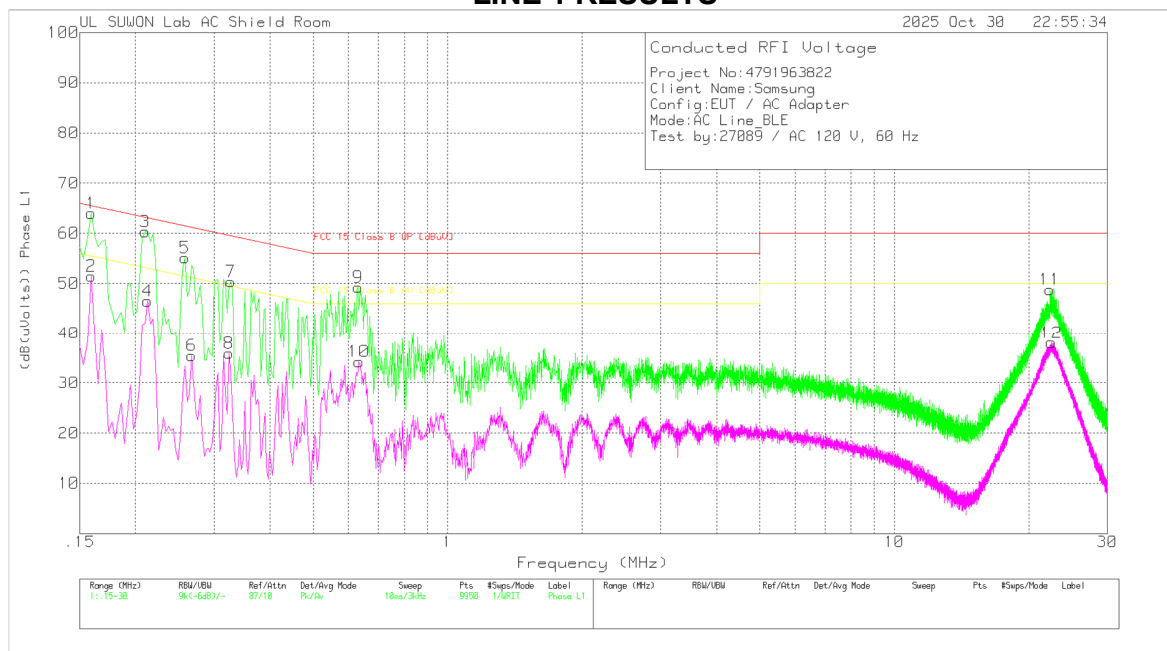
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1. AC Power Line

LINE 1 RESULTS



Trace Markers

Range 1: Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_Wit h EX_L1 [dB]	Cable Loss [dB]	Corrected Reading (dB(uVolts))	FCC 15 Class B QP [dBuV]	Margin (dB)	FCC 15 Class B AV [dBuV]	Margin (dB)
1	.159	54.09	Pk	9.8	.1	63.99	65.52	-1.53	-	-
2	.159	41.57	Av	9.8	.1	51.47	-	-	55.52	-4.05
3	.21	50.44	Pk	9.8	.1	60.34	63.21	-2.87	-	-
4	.213	36.62	Av	9.8	.1	46.52	-	-	53.09	-6.57
5	.258	45.44	Pk	9.6	.1	55.14	61.5	-6.36	-	-
6	.267	25.79	Av	9.6	.1	35.49	-	-	51.21	-15.72
7	.327	40.56	Pk	9.7	.1	50.36	59.53	-9.17	-	-
8	.324	26.13	Av	9.7	.1	35.93	-	-	49.6	-13.67
9	.63	39.36	Pk	9.8	.1	49.26	56	-6.74	-	-
10	.633	24.37	Av	9.8	.1	34.27	-	-	46	-11.73
11	22.287	38.22	Pk	10.3	.3	48.82	60	-11.18	-	-
12	22.47	27.47	Av	10.3	.3	38.07	-	-	50	-11.93

Pk - Peak detector

Av - Average detection

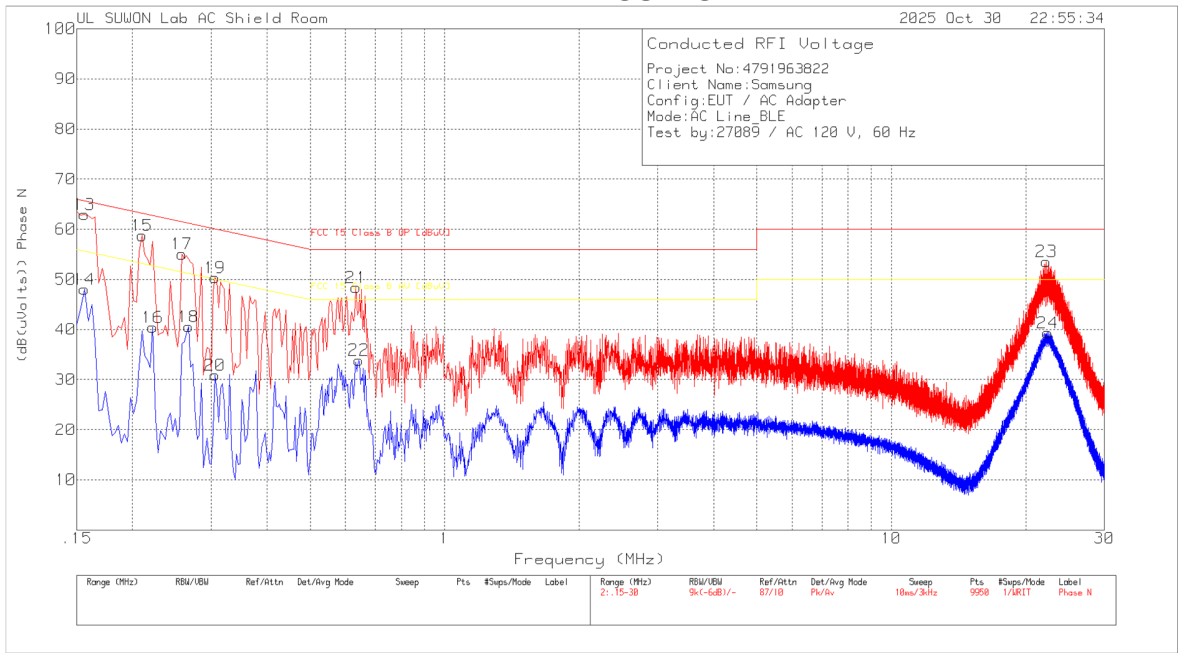
Quasi-Peak Emissions

Range 1: Phase L1 .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101836_Wit h EX_L1 [dB]	Cable Loss [dB]	Corrected Reading (dB(uVolts))	FCC 15 Class B QP [dBuV]	Margin (dB)	FCC 15 Class B AV [dBuV]	Margin (dB)
.15825	50.38	Qp	9.8	.1	60.28	65.56	-5.28	-	-
.21075	46.43	Qp	9.8	.1	56.33	63.18	-6.85	-	-
.21315	46.21	Qp	9.8	.1	56.11	63.08	-6.97	-	-
.25815	41.52	Qp	9.6	.1	51.22	61.49	-10.27	-	-
.32625	34.63	Qp	9.7	.1	44.43	59.55	-15.12	-	-
.63075	35.05	Qp	9.8	.1	44.95	56	-11.05	-	-

Qp - Quasi-Peak detector

LINE 2 RESULTS



Trace Markers

Range 2: Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_Wit h EX_N [dB]	Cable Loss [dB]	Corrected Reading (dB(uVolts))	FCC 15 Class B QP [dBuV]	Margin (dB)	FCC 15 Class B AV [dBuV]	Margin (dB)
13	.156	53.01	Pk	9.8	.1	62.91	65.67	-2.76	-	-
14	.156	38.1	Av	9.8	.1	48	-	-	55.67	-7.67
15	.21	48.85	Pk	9.8	.1	58.75	63.21	-4.46	-	-
16	.222	30.54	Av	9.8	.1	40.44	-	-	52.74	-12.3
17	.258	45.36	Pk	9.6	.1	55.06	61.5	-6.44	-	-
18	.267	30.84	Av	9.6	.1	40.54	-	-	51.21	-10.67
19	.306	40.55	Pk	9.7	.1	50.35	60.08	-9.73	-	-
20	.306	21.1	Av	9.7	.1	30.9	-	-	50.08	-19.18
21	.633	38.47	Pk	9.8	.1	48.37	56	-7.63	-	-
22	.642	23.97	Av	9.8	.1	33.87	-	-	46	-12.13
23	22.239	42.86	Pk	10.4	.3	53.56	60	-6.44	-	-
24	22.395	28.62	Av	10.4	.3	39.32	-	-	50	-10.68

Pk - Peak detector

Av - Average detection

Quasi-Peak Emissions

Range 2: Phase N .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101836_Wit h EX_N [dB]	Cable Loss [dB]	Corrected Reading (dB(uVolts))	FCC 15 Class B QP [dBuV]	Margin (dB)	FCC 15 Class B AV [dBuV]	Margin (dB)
.15675	49.91	Qp	9.8	.1	59.81	65.63	-5.82	-	-
.20925	45.74	Qp	9.8	.1	55.64	63.24	-7.6	-	-
.25875	40.01	Qp	9.6	.1	49.71	61.47	-11.76	-	-
.30675	33.51	Qp	9.7	.1	43.31	60.06	-16.75	-	-
.63315	33.66	Qp	9.8	.1	43.56	56	-12.44	-	-
22.2383	35.2	Qp	10.4	.3	45.9	60	-14.1	-	-

Qp - Quasi-Peak detector

END OF TEST REPORT