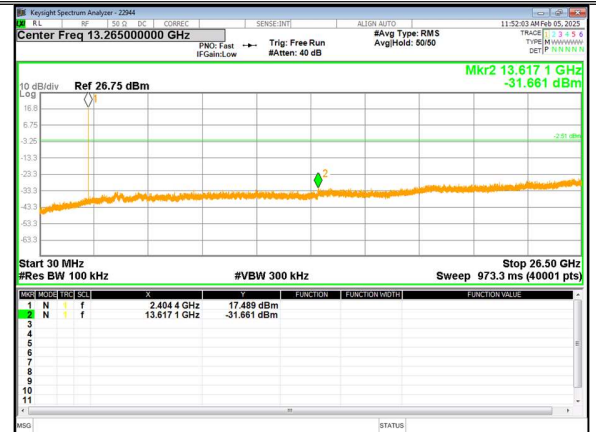


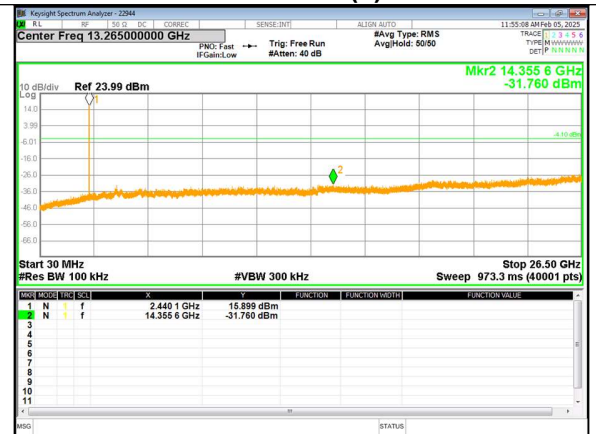
2 Mbps ANT1



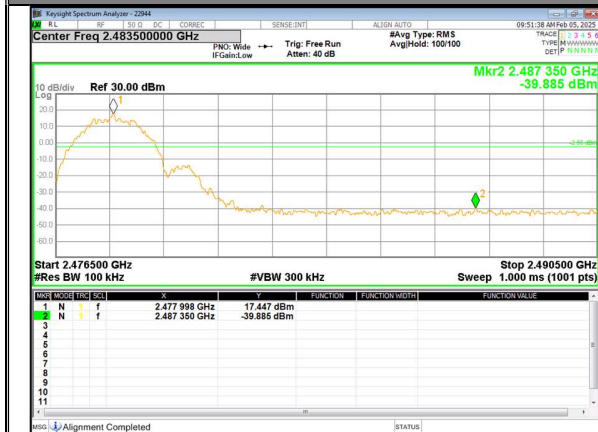
LOW(0) CHANNEL BANDEDGE



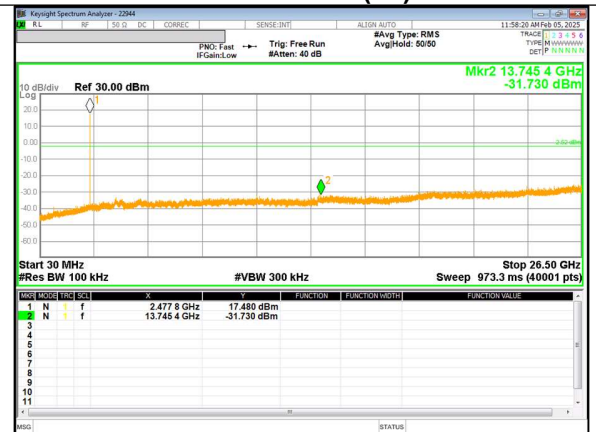
OUT-OF-BAND LOW(0) CHANNEL



OUT-OF-BAND MIDDLE(17) CHANNEL

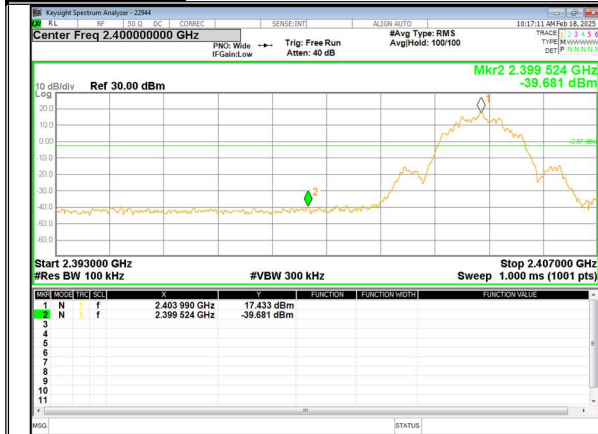


HIGH(36) CHANNEL BANDEDGE



OUT-OF-BAND HIGH(36) CHANNEL

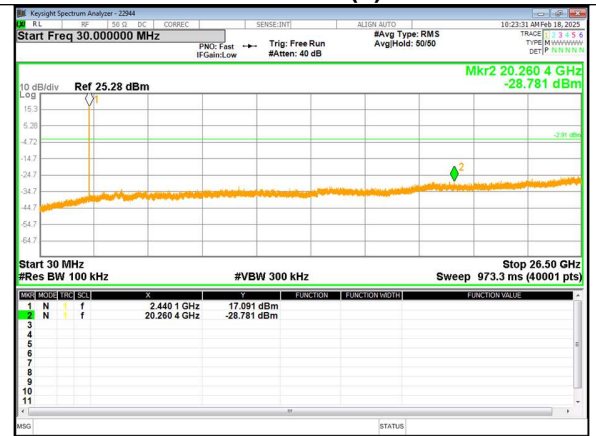
2 Mbps ANT2



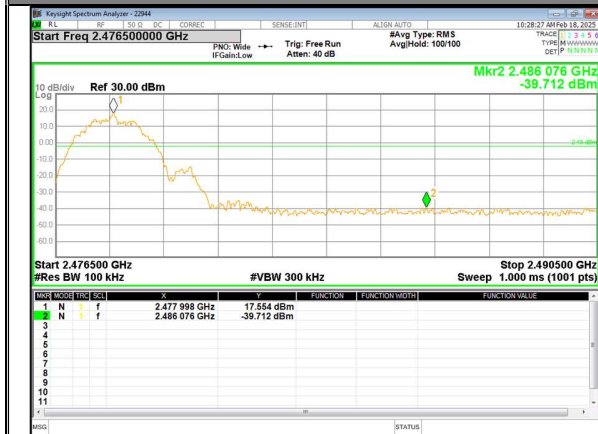
LOW(0) CHANNEL BANDEDGE



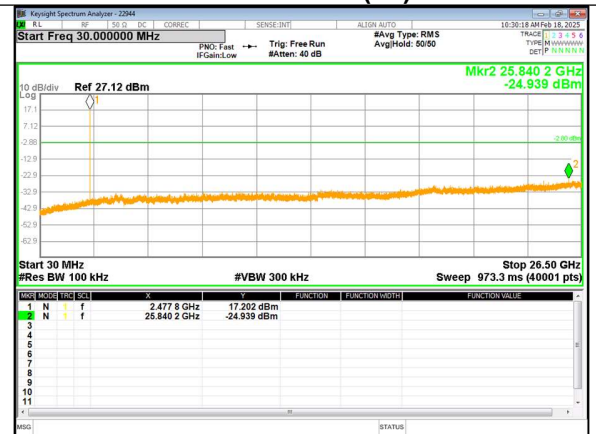
OUT-OF-BAND LOW(0) CHANNEL



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]	0.520	2.84	Antenna 1 and 2
1 Mbps [255pkt]	0.854	0.68	Dual mode
2 Mbps [37pkt]	0.390	4.09	Antenna 2 and Dual mode
2 Mbps [255pkt]	0.768	1.14	Antenna 1

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.

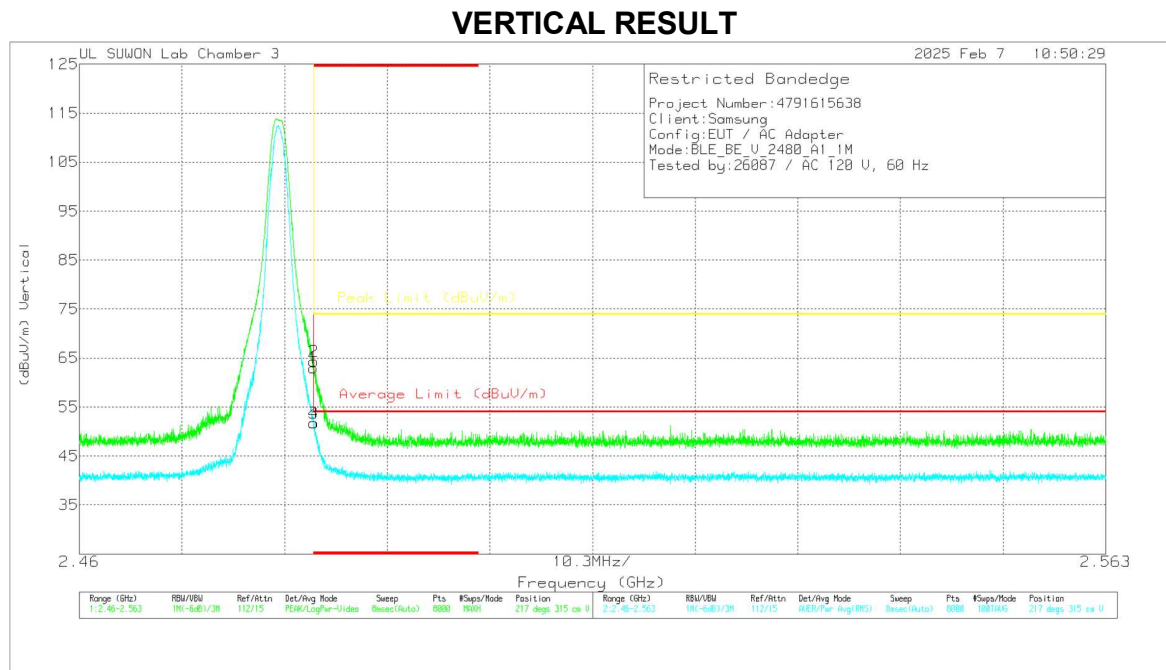
Note : Emission was pre-scanned from 9kHz to 30MHz; No emissions were detected which was at least 20dB below the specification limit (consider distance correction factor).
Per FCC part 15.31(o), test results were not reported.

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, ANT1)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	Antenna 957 Factor (dBm)	10dB Path Loss (dB)	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Acimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	55.43	Pk	32.4	-24.9	0	62.93	-	-	74	-11.07	217	315	V
2	* 2.48353	56.85	Pk	32.4	-24.9	0	64.35	-	-	74	-9.65	217	315	V
3	* 2.4835	41.36	RMS	32.4	-24.9	2.84	51.7	54	-2.3	-	-	217	315	V
4	* 2.48353	41.44	RMS	32.4	-24.9	2.84	51.78	54	-2.22	-	-	217	315	V

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

BANDEDGE TEST DATA

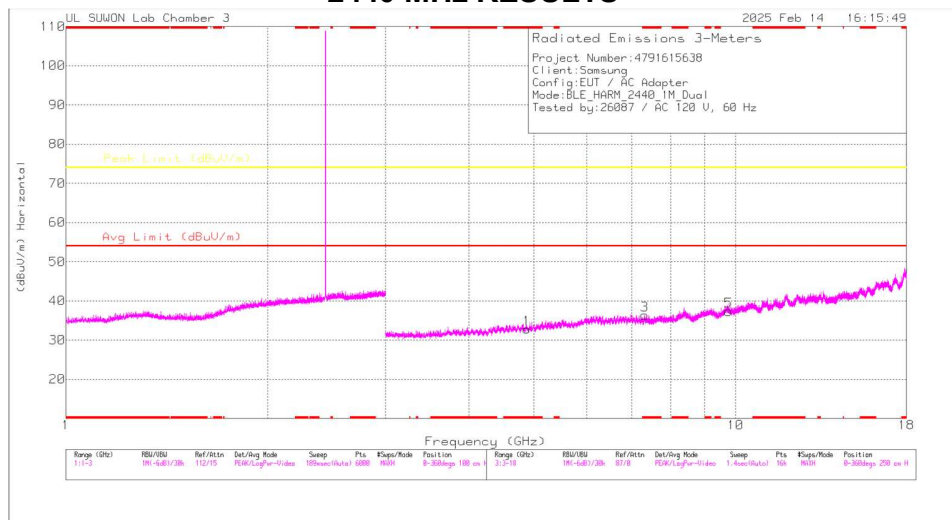
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2402	ANT1	* 2.39	41.33	Pk	32.10	-24.90	0.00	48.53	-	-	74.00	-25.47	128	103	H
		* 2.38855	43.09	Pk	32.10	-25.00	0.00	50.19	-	-	74.00	-23.81	128	103	H
		* 2.39	30.01	RMS	32.10	-24.90	2.84	40.05	54.00	-13.95	-	-	128	103	H
		* 2.38253	31.58	RMS	32.10	-25.00	2.84	41.52	54.00	-12.48	-	-	128	103	H
		* 2.39	39.78	Pk	32.10	-24.90	0.00	46.98	-	-	74.00	-27.02	212	381	V
		* 2.35974	43.15	Pk	32.00	-25.10	0.00	50.05	-	-	74.00	-23.95	212	381	V
		* 2.39	29.34	RMS	32.10	-24.90	2.84	39.38	54.00	-14.62	-	-	212	381	V
		* 2.37353	31.41	RMS	32.00	-25.00	2.84	41.25	54.00	-12.75	-	-	212	381	V
2480	ANT1	* 2.4835	54.42	Pk	32.40	-24.90	0.00	61.92	-	-	74.00	-12.08	130	159	H
		* 2.48355	54.01	Pk	32.40	-24.90	0.00	61.51	-	-	74.00	-12.49	130	159	H
		* 2.4835	40.64	RMS	32.40	-24.90	2.84	50.98	54.00	-3.02	-	-	130	159	H
		* 2.48351	41.31	RMS	32.40	-24.90	2.84	51.65	54.00	-2.35	-	-	130	159	H
		* 2.4835	55.43	Pk	32.40	-24.90	0.00	62.93	-	-	74.00	-11.07	217	315	V
		* 2.48353	56.85	Pk	32.40	-24.90	0.00	64.35	-	-	74.00	-9.65	217	315	V
		* 2.4835	41.36	RMS	32.40	-24.90	2.84	51.70	54.00	-2.30	-	-	217	315	V
		* 2.48353	41.44	RMS	32.40	-24.90	2.84	51.78	54.00	-2.22	-	-	217	315	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	39.40	Pk	32.10	-24.90	0.00	46.60	-	-	74.00	-27.40	26	386	H
		* 2.33128	43.10	Pk	31.90	-25.00	0.00	50.00	-	-	74.00	-24.00	26	386	H
		* 2.39	29.86	RMS	32.10	-24.90	2.84	39.90	54.00	-14.10	-	-	26	386	H
		* 2.3762	31.40	RMS	32.10	-25.00	2.84	41.34	54.00	-12.66	-	-	26	386	H
		* 2.39	41.46	Pk	32.10	-24.90	0.00	48.66	-	-	74.00	-25.34	98	297	V
		* 2.38469	42.94	Pk	32.10	-25.00	0.00	50.04	-	-	74.00	-23.96	98	297	V
		* 2.39	30.23	RMS	32.10	-24.90	2.84	40.27	54.00	-13.73	-	-	98	297	V
		* 2.36776	31.75	RMS	32.00	-25.00	2.84	41.59	54.00	-12.41	-	-	98	297	V
2480	ANT2	* 2.4835	46.63	Pk	32.40	-24.90	0.00	54.13	-	-	74.00	-19.87	39	361	H
		* 2.48351	49.46	Pk	32.40	-24.90	0.00	56.96	-	-	74.00	-17.04	39	361	H
		* 2.4835	33.98	RMS	32.40	-24.90	2.84	44.32	54.00	-9.68	-	-	39	361	H
		* 2.48354	34.04	RMS	32.40	-24.90	2.84	44.38	54.00	-9.62	-	-	39	361	H
		* 2.4835	54.15	Pk	32.40	-24.90	0.00	61.65	-	-	74.00	-12.35	95	365	V
		* 2.48364	53.14	Pk	32.40	-24.90	0.00	60.64	-	-	74.00	-13.36	95	365	V
		* 2.4835	37.06	RMS	32.40	-24.90	2.84	47.40	54.00	-6.60	-	-	95	365	V
		* 2.48356	37.26	RMS	32.40	-24.90	2.84	47.60	54.00	-6.40	-	-	95	365	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	40.32	Pk	32.10	-24.90	0.00	47.52	-	-	74.00	-26.48	127	103	H
		* 2.35043	42.80	Pk	32.00	-25.00	0.00	49.80	-	-	74.00	-24.20	127	103	H
		* 2.39	30.20	RMS	32.10	-24.90	0.68	38.08	54.00	-15.92	-	-	127	103	H
		* 2.38959	31.38	RMS	32.10	-25.00	0.68	39.16	54.00	-14.84	-	-	127	103	H
		* 2.39	40.05	Pk	32.10	-24.90	0.00	47.25	-	-	74.00	-26.75	209	384	V
		* 2.31158	43.28	Pk	31.80	-25.00	0.00	50.08	-	-	74.00	-23.92	209	384	V
		* 2.39	29.99	RMS	32.10	-24.90	0.68	37.87	54.00	-16.13	-	-	209	384	V
		* 2.37372	31.53	RMS	32.00	-25.00	0.68	39.21	54.00	-14.79	-	-	209	384	V
2480	DUAL	* 2.4835	50.47	Pk	32.40	-24.90	0.00	57.97	-	-	74.00	-16.03	129	110	H
		* 2.48356	49.58	Pk	32.40	-24.90	0.00	57.08	-	-	74.00	-16.92	129	110	H
		* 2.4835	39.34	RMS	32.40	-24.90	0.68	47.52	54.00	-6.48	-	-	129	110	H
		* 2.48351	39.53	RMS	32.40	-24.90	0.68	47.71	54.00	-6.29	-	-	129	110	H
		* 2.4835	49.27	Pk	32.40	-24.90	0.00	56.77	-	-	74.00	-17.23	191	400	V
		* 2.48353	49.54	Pk	32.40	-24.90	0.00	57.04	-	-	74.00	-16.96	191	400	V
		* 2.4835	38.24	RMS	32.40	-24.90	0.68	46.42	54.00	-7.58	-	-	191	400	V
		* 2.48353	38.54	RMS	32.40	-24.90	0.68	46.72	54.00	-7.28	-	-	191	400	V

Note1. Pk - Peak detector, RMS - RMS detector

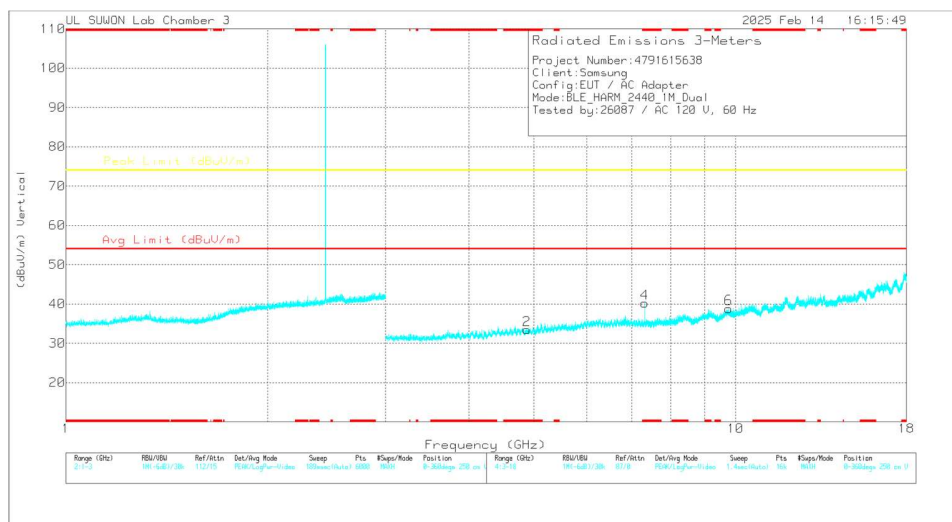
Note2. * - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

HARMONICS AND SPURIOUS EMISSIONS(WORST CASE: 2440 MHz, Dual)

2440 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_957_Factor(dB/m)	3GHz_HP_Pat h 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
* 4.88006	40.09	PK2	34.2	-30.5	0	43.79	-	-	74	-30.21	205	381	H
* 4.87966	29.3	MAV1	34.2	-30.5	.68	33.68	54	-20.32	-	-	205	381	H
* 4.88031	40.56	PK2	34.2	-30.5	0	44.26	-	-	74	-29.74	260	390	V
* 4.8798	30.11	MAV1	34.2	-30.5	.68	34.49	54	-19.51	-	-	260	390	V
* 7.31935	36.23	PK2	35.8	-25.2	0	46.83	-	-	74	-27.17	335	100	H
* 7.31914	25.96	MAV1	35.8	-25.2	.68	37.24	54	-16.76	-	-	335	100	H
* 7.31957	39.47	PK2	35.8	-25.2	0	50.07	-	-	74	-23.93	291	100	V
* 7.32072	31.54	MAV1	35.8	-25.1	.68	42.92	54	-11.08	-	-	291	100	V
9.75706	32.31	PK2	36.9	-21.3	0	47.91	-	-	74	-26.09	0	100	H
9.76094	33.63	PK2	36.9	-21.2	0	49.33	-	-	74	-24.67	132	106	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	* 4.80432	41.38	PK2	34.30	-29.80	0.00	45.88	-	-	74.00	-28.12	324	113	H
		* 4.80349	29.70	MAV1	34.30	-29.80	2.84	37.04	54.00	-16.96	-	-	324	113	H
		* 4.8035	41.36	PK2	34.30	-29.80	0.00	45.86	-	-	74.00	-28.14	189	381	V
		* 4.8039	30.93	MAV1	34.30	-29.80	2.84	38.27	54.00	-15.73	-	-	189	381	V
		7.210	34.91	PK2	35.80	-25.80	0.00	44.91	-	-	74.00	-29.09	0	100	H
		7.204	34.41	PK2	35.80	-25.70	0.00	44.51	-	-	74.00	-29.49	0	100	V
		9.609	32.30	PK2	36.70	-21.70	0.00	47.30	-	-	74.00	-26.70	0	100	H
		9.609	32.97	PK2	36.70	-21.70	0.00	47.97	-	-	74.00	-26.03	0	100	V
2440	ANT1	* 4.88034	42.16	PK2	34.20	-30.60	0.00	45.76	-	-	74.00	-28.24	321	100	H
		* 4.87959	30.98	MAV1	34.20	-30.50	2.84	37.52	54.00	-16.48	-	-	321	100	H
		* 4.87955	42.19	PK2	34.20	-30.50	0.00	45.89	-	-	74.00	-28.11	186	389	V
		* 4.87999	31.94	MAV1	34.20	-30.50	2.84	38.48	54.00	-15.52	-	-	186	389	V
		* 7.32156	34.45	PK2	35.80	-25.00	0.00	45.25	-	-	74.00	-28.75	0	100	H
		* 7.31508	34.59	PK2	35.80	-25.20	0.00	45.19	-	-	74.00	-28.81	339	106	V
		* 7.31956	23.61	MAV1	35.80	-25.20	2.84	37.05	54.00	-16.95	-	-	339	106	V
		9.763	31.85	PK2	36.90	-21.20	0.00	47.55	-	-	74.00	-26.45	0	100	H
2480	ANT1	9.759	32.42	PK2	36.90	-21.30	0.00	48.02	-	-	74.00	-25.98	0	100	V
		* 4.95958	42.51	PK2	34.30	-30.40	0.00	46.41	-	-	74.00	-27.59	329	116	H
		* 4.95978	33.41	MAV1	34.30	-30.40	2.84	40.15	54.00	-13.85	-	-	329	116	H
		* 4.96059	44.13	PK2	34.30	-30.30	0.00	48.13	-	-	74.00	-25.87	184	332	V
		* 4.95968	35.13	MAV1	34.30	-30.40	2.84	41.87	54.00	-12.13	-	-	184	332	V
		* 7.43915	34.92	PK2	35.70	-25.00	0.00	45.62	-	-	74.00	-28.38	152	106	H
		* 7.43952	23.56	MAV1	35.70	-25.00	2.84	37.10	54.00	-16.90	-	-	152	106	H
		* 7.44041	36.31	PK2	35.70	-25.00	0.00	47.01	-	-	74.00	-26.99	29	100	V
2402	ANT2	* 7.43932	24.57	MAV1	35.70	-25.00	2.84	38.11	54.00	-15.89	-	-	29	100	V
		9.923	32.32	PK2	37.10	-21.40	0.00	48.02	-	-	74.00	-25.98	0	100	H
		9.922	32.09	PK2	37.10	-21.30	0.00	47.89	-	-	74.00	-26.11	0	100	V
2402	ANT2	* 4.80459	43.17	PK2	34.30	-29.80	0.00	47.67	-	-	74.00	-26.33	173	368	H
		* 4.80415	33.17	MAV1	34.30	-29.80	2.84	40.51	54.00	-13.49	-	-	173	368	H
		* 4.80335	43.17	PK2	34.30	-29.80	0.00	47.67	-	-	74.00	-26.33	301	100	V
		* 4.80412	33.23	MAV1	34.30	-29.80	2.84	40.57	54.00	-13.43	-	-	301	100	V
		7.207	34.70	PK2	35.80	-25.70	0.00	44.80	-	-	74.00	-29.20	0	100	H
		7.203	34.96	PK2	35.80	-25.70	0.00	45.06	-	-	74.00	-28.94	298	100	V
		9.605	31.69	PK2	36.70	-21.60	0.00	46.79	-	-	74.00	-27.21	0	100	H
		9.609	32.00	PK2	36.70	-21.70	0.00	47.00	-	-	74.00	-27.00	0	100	V
2440	ANT2	* 4.87946	41.51	PK2	34.20	-30.60	0.00	45.11	-	-	74.00	-28.89	21	144	H
		* 4.88037	30.48	MAV1	34.20	-30.60	2.84	36.92	54.00	-17.08	-	-	21	144	H
		* 4.88018	42.89	PK2	34.20	-30.50	0.00	46.59	-	-	74.00	-27.41	306	103	V
		* 4.88007	33.24	MAV1	34.20	-30.50	2.84	39.78	54.00	-14.22	-	-	306	103	V
		* 7.31817	34.54	PK2	35.80	-25.20	0.00	45.14	-	-	74.00	-28.86	54	397	H
		* 7.31531	23.27	MAV1	35.80	-25.10	2.84	36.81	54.00	-17.19	-	-	54	397	H
		* 7.3194	34.88	PK2	35.80	-25.20	0.00	45.48	-	-	74.00	-28.52	293	100	V
		* 7.31961	23.66	MAV1	35.80	-25.20	2.84	37.10	54.00	-16.90	-	-	293	100	V
2480	ANT2	9.765	32.15	PK2	36.90	-21.20	0.00	47.85	-	-	74.00	-26.15	0	100	H
		9.758	32.34	PK2	36.90	-21.30	0.00	47.94	-	-	74.00	-26.06	0	100	V
		* 4.96021	41.08	PK2	34.30	-30.40	0.00	44.98	-	-	74.00	-29.02	20	100	H
		* 4.96006	29.37	MAV1	34.30	-30.40	2.84	36.11	54.00	-17.89	-	-	20	100	H
		* 4.96043	42.57	PK2	34.30	-30.30	0.00	46.57	-	-	74.00	-27.43	280	354	V
		* 4.96	32.23	MAV1	34.30	-30.40	2.84	38.97	54.00	-15.03	-	-	280	354	V
		* 7.44053	34.59	PK2	35.70	-25.00	0.00	45.29	-	-	74.00	-28.71	56	103	H
		* 7.44088	23.30	MAV1	35.70	-25.00	2.84	36.84	54.00	-17.16	-	-	56	103	H
2402	ANT2	* 7.43887	37.68	PK2	35.70	-25.00	0.00	48.38	-	-	74.00	-25.62	286	100	V
		* 7.43931	26.32	MAV1	35.70	-25.00	2.84	39.86	54.00	-14.14	-	-	286	100	V
		9.918	31.40	PK2	37.10	-21.30	0.00	47.20	-	-	74.00	-26.80	0	100	H
		9.923	32.13	PK2	37.10	-21.40	0.00	47.83	-	-	74.00	-26.17	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	* 4.8036	42.03	PK2	34.30	-29.80	0.00	46.53	-	-	74.00	-27.47	173	368	H
		* 4.80428	33.26	MAv1	34.30	-29.80	0.68	38.44	54.00	-15.56	-	-	173	368	H
		* 4.80445	41.59	PK2	34.30	-29.80	0.00	46.09	-	-	74.00	-27.91	258	378	V
		* 4.80392	32.76	MAv1	34.30	-29.80	0.68	37.94	54.00	-16.06	-	-	258	378	V
		7.206	36.20	PK2	35.80	-25.70	0.00	46.30	-	-	74.00	-27.70	336	100	H
		7.207	38.99	PK2	35.80	-25.70	0.00	49.09	-	-	74.00	-24.91	288	101	V
		9.611	31.95	PK2	36.70	-21.70	0.00	46.95	-	-	74.00	-27.05	0	100	H
		9.607	32.67	PK2	36.70	-21.70	0.00	47.67	-	-	74.00	-26.33	127	113	V
2440	DUAL	* 4.88006	40.09	PK2	34.20	-30.50	0.00	43.79	-	-	74.00	-30.21	205	381	H
		* 4.87966	29.30	MAv1	34.20	-30.50	0.68	33.68	54.00	-20.32	-	-	205	381	H
		* 4.88031	40.56	PK2	34.20	-30.50	0.00	44.26	-	-	74.00	-29.74	260	390	V
		* 4.8798	30.11	MAv1	34.20	-30.50	0.68	34.49	54.00	-19.51	-	-	260	390	V
		* 7.31935	36.23	PK2	35.80	-25.20	0.00	46.83	-	-	74.00	-27.17	335	100	H
		* 7.31914	25.96	MAv1	35.80	-25.20	0.68	37.24	54.00	-16.76	-	-	335	100	H
		* 7.31957	39.47	PK2	35.80	-25.20	0.00	50.07	-	-	74.00	-23.93	291	100	V
		* 7.32072	31.54	MAv1	35.80	-25.10	0.68	42.92	54.00	-11.08	-	-	291	100	V
		9.757	32.31	PK2	36.90	-21.30	0.00	47.91	-	-	74.00	-26.09	0	100	H
		9.761	33.63	PK2	36.90	-21.20	0.00	49.33	-	-	74.00	-24.67	132	106	V
2480	DUAL	* 4.9605	41.54	PK2	34.30	-30.30	0.00	45.54	-	-	74.00	-28.46	22	111	H
		* 4.96018	31.83	MAv1	34.30	-30.40	0.68	36.41	54.00	-17.59	-	-	22	111	H
		* 4.9599	43.25	PK2	34.30	-30.40	0.00	47.15	-	-	74.00	-26.85	260	398	V
		* 4.96028	35.64	MAv1	34.30	-30.30	0.68	40.32	54.00	-13.68	-	-	260	398	V
		* 7.43931	36.38	PK2	35.70	-25.00	0.00	47.08	-	-	74.00	-26.92	54	101	H
		* 7.44047	25.61	MAv1	35.70	-25.00	0.68	36.99	54.00	-17.01	-	-	54	101	H
		* 7.43951	38.58	PK2	35.70	-25.00	0.00	49.28	-	-	74.00	-24.72	291	100	V
		* 7.43956	29.70	MAv1	35.70	-25.00	0.68	41.08	54.00	-12.92	-	-	291	100	V
		9.921	32.29	PK2	37.10	-21.30	0.00	48.09	-	-	74.00	-25.91	189	372	H
		9.921	33.77	PK2	37.10	-21.30	0.00	49.57	-	-	74.00	-24.43	136	103	V

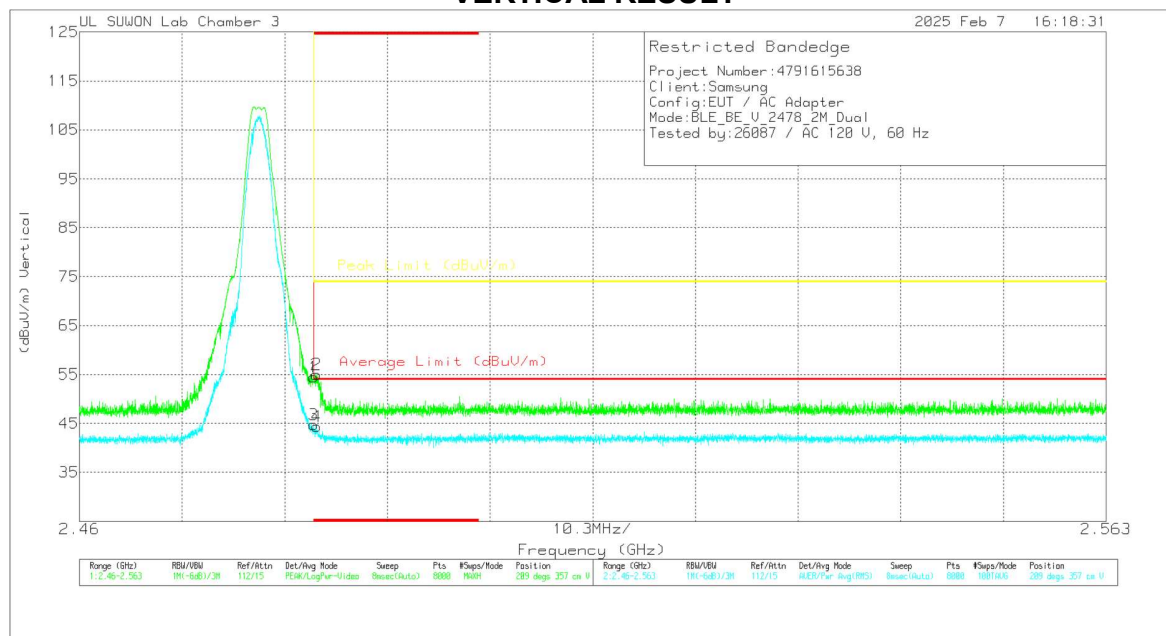
Note1. PK2 - KDB558074 Method: Maximum Peak / MAv1 - KDB558074 Option 1 Maximum RMS Average

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)

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna 557 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)	Acimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	47.02	Pk	32.4	-24.9	0	54.52	-	-	74	-19.48	209	357	V
2	* 2.48377	47.55	Pk	32.4	-24.9	0	55.05	-	-	74	-18.95	209	357	V
3	* 2.4835	33.2	RMS	32.4	-24.9	4.09	44.79	54	-9.21	-	-	209	357	V
4	* 2.48378	32.77	RMS	32.4	-24.9	4.09	44.36	54	-9.64	-	-	209	357	V

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

Pk - Peak detector

RMS - RMS detection

BANDEDGE TEST DATA

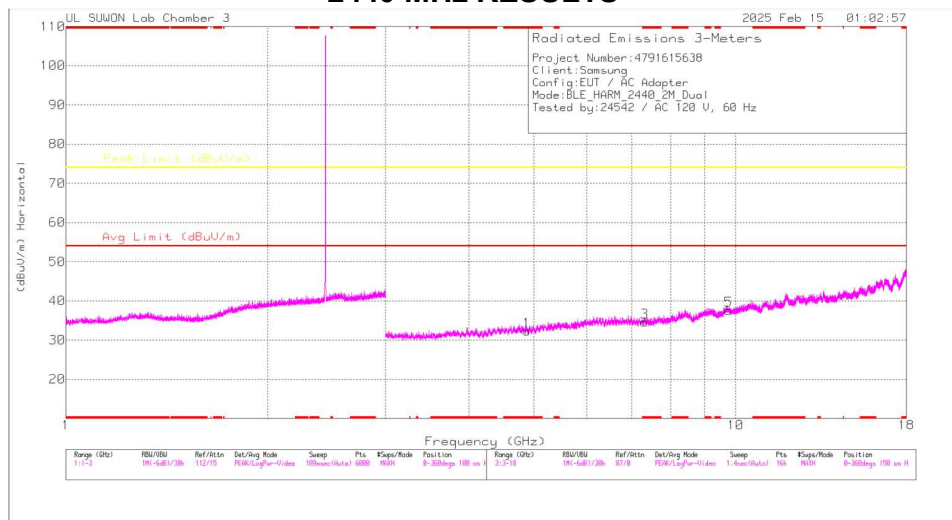
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2404	ANT1	* 2.39	41.19	Pk	32.10	-24.90	0.00	48.39	-	-	74.00	-25.61	127	165	H
		* 2.38912	43.38	Pk	32.10	-25.00	0.00	50.48	-	-	74.00	-23.52	127	165	H
		* 2.39	30.25	RMS	32.10	-24.90	1.14	38.59	54.00	-15.41	-	-	127	165	H
		* 2.38492	31.15	RMS	32.10	-25.00	1.14	39.39	54.00	-14.61	-	-	127	165	H
		* 2.39	39.57	Pk	32.10	-24.90	0.00	46.77	-	-	74.00	-27.23	207	387	V
		* 2.34382	43.01	Pk	32.00	-25.00	0.00	50.01	-	-	74.00	-23.99	207	387	V
		* 2.39	30.26	RMS	32.10	-24.90	1.14	38.60	54.00	-15.40	-	-	207	387	V
		* 2.35623	31.42	RMS	32.00	-25.10	1.14	39.46	54.00	-14.54	-	-	207	387	V
2478	ANT1	* 2.4835	49.43	Pk	32.40	-24.90	0.00	56.93	-	-	74.00	-17.07	129	159	H
		* 2.4836	51.14	Pk	32.40	-24.90	0.00	58.64	-	-	74.00	-15.36	129	159	H
		* 2.4835	33.23	RMS	32.40	-24.90	1.14	41.87	54.00	-12.13	-	-	129	159	H
		* 2.48372	33.48	RMS	32.40	-24.90	1.14	42.12	54.00	-11.88	-	-	129	159	H
		* 2.4835	48.83	Pk	32.40	-24.90	0.00	56.33	-	-	74.00	-17.67	189	400	V
		* 2.48364	49.34	Pk	32.40	-24.90	0.00	56.84	-	-	74.00	-17.16	189	400	V
		* 2.4835	32.82	RMS	32.40	-24.90	1.14	41.46	54.00	-12.54	-	-	189	400	V
		* 2.48371	32.80	RMS	32.40	-24.90	1.14	41.44	54.00	-12.56	-	-	189	400	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	38.64	Pk	32.10	-24.90	0.00	45.84	-	-	74.00	-28.16	28	389	H
		* 2.31789	42.60	Pk	31.90	-25.00	0.00	49.50	-	-	74.00	-24.50	28	389	H
		* 2.39	29.20	RMS	32.10	-24.90	4.09	40.49	54.00	-13.51	-	-	28	389	H
		* 2.3632	31.04	RMS	32.00	-25.10	4.09	42.03	54.00	-11.97	-	-	28	389	H
		* 2.39	40.26	Pk	32.10	-24.90	0.00	47.46	-	-	74.00	-26.54	91	386	V
		* 2.32932	43.15	Pk	31.90	-25.00	0.00	50.05	-	-	74.00	-23.95	91	386	V
		* 2.39	29.96	RMS	32.10	-24.90	4.09	41.25	54.00	-12.75	-	-	91	386	V
		* 2.37573	31.14	RMS	32.10	-25.00	4.09	42.33	54.00	-11.67	-	-	91	386	V
2478	ANT2	* 2.4835	41.80	Pk	32.40	-24.90	0.00	49.30	-	-	74.00	-24.70	39	362	H
		* 2.48422	43.57	Pk	32.40	-24.90	0.00	51.07	-	-	74.00	-22.93	39	362	H
		* 2.4835	30.35	RMS	32.40	-24.90	4.09	41.94	54.00	-12.06	-	-	39	362	H
		* 2.545	31.19	RMS	32.40	-24.70	4.09	42.98	54.00	-11.02	-	-	39	362	H
		* 2.4835	43.18	Pk	32.40	-24.90	0.00	50.68	-	-	74.00	-23.32	89	398	V
		* 2.48407	45.61	Pk	32.40	-24.90	0.00	53.11	-	-	74.00	-20.89	89	398	V
		* 2.4835	30.40	RMS	32.40	-24.90	4.09	41.99	54.00	-12.01	-	-	89	398	V
		* 2.48681	31.29	RMS	32.40	-24.90	4.09	42.88	54.00	-11.12	-	-	89	398	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	39.95	Pk	32.10	-24.90	0.00	47.15	-	-	74.00	-26.85	125	100	H
		* 2.37942	42.88	Pk	32.10	-25.00	0.00	49.98	-	-	74.00	-24.02	125	100	H
		* 2.39	29.73	RMS	32.10	-24.90	4.09	41.02	54.00	-12.98	-	-	125	100	H
		* 2.36936	31.51	RMS	32.00	-25.00	4.09	42.60	54.00	-11.40	-	-	125	100	H
		* 2.39	39.63	Pk	32.10	-24.90	0.00	46.83	-	-	74.00	-27.17	209	384	V
		* 2.36716	42.82	Pk	32.00	-25.00	0.00	49.82	-	-	74.00	-24.18	209	384	V
		* 2.39	29.99	RMS	32.10	-24.90	4.09	41.28	54.00	-12.72	-	-	209	384	V
		* 2.37371	31.58	RMS	32.00	-25.00	4.09	42.67	54.00	-11.33	-	-	209	384	V
2478	DUAL	* 2.4835	48.15	Pk	32.40	-24.90	0.00	55.65	-	-	74.00	-18.35	127	108	H
		* 2.48367	48.65	Pk	32.40	-24.90	0.00	56.15	-	-	74.00	-17.85	127	108	H
		* 2.4835	32.26	RMS	32.40	-24.90	4.09	43.85	54.00	-10.15	-	-	127	108	H
		* 2.48351	32.85	RMS	32.40	-24.90	4.09	44.44	54.00	-9.56	-	-	127	108	H
		* 2.4835	47.02	Pk	32.40	-24.90	0.00	54.52	-	-	74.00	-19.48	209	357	V
		* 2.48377	47.55	Pk	32.40	-24.90	0.00	55.05	-	-	74.00	-18.95	209	357	V
		* 2.4835	33.20	RMS	32.40	-24.90	4.09	44.79	54.00	-9.21	-	-	209	357	V
		* 2.48378	32.77	RMS	32.40	-24.90	4.09	44.36	54.00	-9.64	-	-	209	357	V

Note1. Pk - Peak detector, RMS - RMS detector

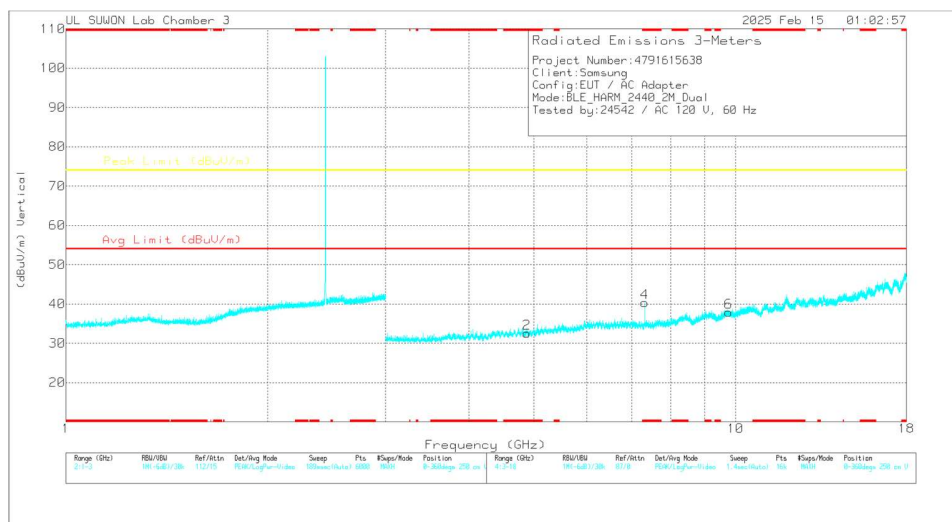
Note2. * - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

HARMONICS AND SPURIOUS EMISSIONS(WORST CASE: 2440 MHz, DUAL)

2440 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_957_Factor(dB/m)	3GHz_HP_Pat h 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
* 4.88002	40.04	PK2	34.2	-30.5	0	43.74	-	-	74	-30.26	11	394	H
* 4.87988	27.88	MAV1	34.2	-30.5	4.09	35.67	54	-18.33	-	-	11	394	H
* 4.87971	41.34	PK2	34.2	-30.5	0	45.04	-	-	74	-28.96	255	390	V
* 4.88043	28.4	MAV1	34.2	-30.6	4.09	36.09	54	-17.91	-	-	255	390	V
* 7.31859	35.8	PK2	35.8	-25.2	0	46.4	-	-	74	-27.6	330	100	H
* 7.31891	23.61	MAV1	35.8	-25.2	4.09	38.3	54	-15.7	-	-	330	100	H
* 7.3186	39.02	PK2	35.8	-25.2	0	49.62	-	-	74	-24.38	285	100	V
* 7.32137	27.74	MAV1	35.8	-25.1	4.09	42.53	54	-11.47	-	-	285	100	V
9.75621	32.09	PK2	36.9	-21.3	0	47.69	-	-	74	-26.31	0	100	H
9.75822	31.73	PK2	36.9	-21.3	0	47.33	-	-	74	-26.67	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	* 4.80713	40.62	PK2	34.30	-29.80	0.00	45.12	-	-	74.00	-28.88	322	116	H
		* 4.80696	29.30	MAV1	34.30	-29.80	1.14	34.94	54.00	-19.06	-	-	322	116	H
		* 4.80733	41.21	PK2	34.30	-29.80	0.00	45.71	-	-	74.00	-28.29	189	381	V
		* 4.80705	30.27	MAV1	34.30	-29.80	1.14	35.91	54.00	-18.09	-	-	189	381	V
		7.212	34.54	PK2	35.80	-25.70	0.00	44.64	-	-	74.00	-29.36	0	100	H
		7.212	34.26	PK2	35.80	-25.70	0.00	44.36	-	-	74.00	-29.64	0	100	V
		9.616	32.02	PK2	36.70	-21.70	0.00	47.02	-	-	74.00	-26.98	0	100	H
		9.615	32.09	PK2	36.70	-21.70	0.00	47.09	-	-	74.00	-26.91	0	100	V
2440	ANT1	* 4.87929	41.08	PK2	34.20	-30.60	0.00	44.68	-	-	74.00	-29.32	315	102	H
		* 4.88098	30.64	MAV1	34.20	-30.60	1.14	35.38	54.00	-18.62	-	-	315	102	H
		* 4.87906	41.81	PK2	34.20	-30.60	0.00	45.41	-	-	74.00	-28.59	186	388	V
		* 4.88088	31.76	MAV1	34.20	-30.60	1.14	36.50	54.00	-17.50	-	-	186	388	V
		* 7.31874	34.42	PK2	35.80	-25.20	0.00	45.02	-	-	74.00	-28.98	0	100	H
		* 7.3162	34.64	PK2	35.80	-25.10	0.00	45.34	-	-	74.00	-28.66	339	103	V
		* 7.31885	23.62	MAV1	35.80	-25.20	1.14	35.36	54.00	-18.64	-	-	339	103	V
		9.758	31.67	PK2	36.90	-21.30	0.00	47.27	-	-	74.00	-26.73	0	100	H
2478	ANT1	9.758	31.87	PK2	36.90	-21.30	0.00	47.47	-	-	74.00	-26.53	0	100	V
		* 4.95701	42.37	PK2	34.30	-30.30	0.00	46.37	-	-	74.00	-27.63	329	120	H
		* 4.95497	32.22	MAV1	34.30	-30.40	1.14	37.26	54.00	-16.74	-	-	329	120	H
		* 4.95496	43.90	PK2	34.30	-30.40	0.00	47.80	-	-	74.00	-26.20	181	332	V
		* 4.9551	35.20	MAV1	34.30	-30.40	1.14	40.24	54.00	-13.76	-	-	181	332	V
		* 7.43259	35.02	PK2	35.70	-24.90	0.00	45.82	-	-	74.00	-28.18	29	100	V
		* 7.43263	23.74	MAV1	35.70	-24.90	1.14	35.68	54.00	-18.32	-	-	29	100	V
		* 7.43297	34.27	PK2	35.70	-25.00	0.00	44.97	-	-	74.00	-29.03	0	100	H
2404	ANT2	9.908	31.72	PK2	37.10	-21.30	0.00	47.52	-	-	74.00	-26.48	0	100	H
		9.911	31.73	PK2	37.10	-21.40	0.00	47.43	-	-	74.00	-26.57	0	100	V
		* 4.80886	42.94	PK2	34.30	-29.80	0.00	47.44	-	-	74.00	-26.56	174	388	H
		* 4.80809	31.85	MAV1	34.30	-29.80	4.09	40.44	54.00	-13.56	-	-	174	388	H
		* 4.80902	42.12	PK2	34.30	-29.80	0.00	46.62	-	-	74.00	-27.38	301	102	V
		* 4.80697	31.32	MAV1	34.30	-29.80	4.09	39.91	54.00	-14.09	-	-	301	102	V
		7.212	34.13	PK2	35.80	-25.70	0.00	44.23	-	-	74.00	-29.77	0	100	H
		7.212	35.44	PK2	35.80	-25.70	0.00	45.54	-	-	74.00	-28.46	354	116	V
2440	ANT2	9.614	31.69	PK2	36.70	-21.70	0.00	46.69	-	-	74.00	-27.31	0	100	H
		9.619	31.82	PK2	36.70	-21.60	0.00	46.92	-	-	74.00	-27.08	0	100	V
		* 4.87869	40.84	PK2	34.20	-30.60	0.00	44.44	-	-	74.00	-29.56	25	146	H
		* 4.87984	29.25	MAV1	34.20	-30.50	4.09	37.04	54.00	-16.96	-	-	25	146	H
		* 4.87901	42.53	PK2	34.20	-30.60	0.00	46.13	-	-	74.00	-27.87	301	105	V
		* 4.87997	31.87	MAV1	34.20	-30.50	4.09	39.66	54.00	-14.34	-	-	301	105	V
		* 7.31824	34.73	PK2	35.80	-25.20	0.00	45.33	-	-	74.00	-28.67	54	397	H
		* 7.31886	23.32	MAV1	35.80	-25.20	4.09	38.01	54.00	-15.99	-	-	54	397	H
2478	ANT2	* 7.31868	35.82	PK2	35.80	-25.20	0.00	46.42	-	-	74.00	-27.58	285	100	V
		* 7.31852	24.13	MAV1	35.80	-25.20	4.09	38.82	54.00	-15.18	-	-	285	100	V
		9.763	32.13	PK2	36.90	-21.20	0.00	47.83	-	-	74.00	-26.17	0	100	H
		9.757	32.75	PK2	36.90	-21.30	0.00	48.35	-	-	74.00	-25.65	0	100	V
		* 4.95497	40.46	PK2	34.30	-30.40	0.00	44.36	-	-	74.00	-29.64	25	100	H
		* 4.9549	28.48	MAV1	34.30	-30.40	4.09	36.47	54.00	-17.53	-	-	25	100	H
		* 4.95678	42.12	PK2	34.30	-30.30	0.00	46.12	-	-	74.00	-27.88	287	355	V
		* 4.95519	30.73	MAV1	34.30	-30.40	4.09	38.72	54.00	-15.28	-	-	287	355	V
2478	ANT2	* 7.4355	34.70	PK2	35.70	-25.00	0.00	45.40	-	-	74.00	-28.60	56	100	H
		* 7.43256	23.11	MAV1	35.70	-24.90	4.09	38.00	54.00	-16.00	-	-	56	100	H
		* 7.43267	35.38	PK2	35.70	-24.90	0.00	46.18	-	-	74.00	-27.82	286	100	V
		* 7.43274	23.41	MAV1	35.70	-24.90	4.09	38.30	54.00	-15.70	-	-	286	100	V
		9.907	32.18	PK2	37.10	-21.40	0.00	47.88	-	-	74.00	-26.12	0	100	H
		9.912	31.83	PK2	37.10	-21.40	0.00	47.53	-	-	74.00	-26.47	0	100	V

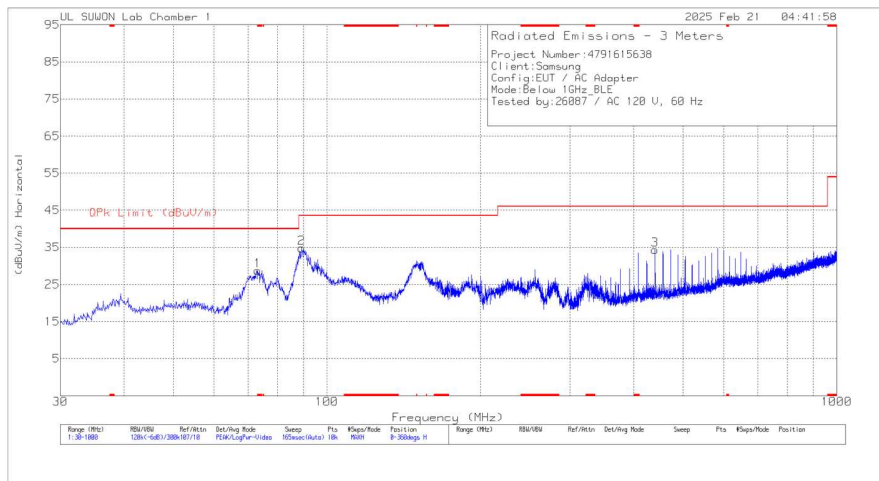
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2404	DUAL	* 4.80853	42.04	PK2	34.30	-29.80	0.00	46.54	-	-	74.00	-27.46	176	366	H
		* 4.80697	29.98	MAv1	34.30	-29.80	4.09	38.57	54.00	-15.43	-	-	176	366	H
		* 4.80809	41.85	PK2	34.30	-29.80	0.00	46.35	-	-	74.00	-27.65	275	379	V
		* 4.80688	29.58	MAv1	34.30	-29.80	4.09	38.17	54.00	-15.83	-	-	275	379	V
		7.210	34.69	PK2	35.80	-25.80	0.00	44.69	-	-	74.00	-29.31	336	101	H
		7.213	37.76	PK2	35.80	-25.70	0.00	47.86	-	-	74.00	-26.14	287	101	V
		9.619	31.92	PK2	36.70	-21.60	0.00	47.02	-	-	74.00	-26.98	0	100	H
2440	DUAL	9.611	32.01	PK2	36.70	-21.70	0.00	47.01	-	-	74.00	-26.99	0	100	V
		* 4.88002	40.04	PK2	34.20	-30.50	0.00	43.74	-	-	74.00	-30.26	11	394	H
		* 4.87988	27.88	MAv1	34.20	-30.50	4.09	35.67	54.00	-18.33	-	-	11	394	H
		* 4.87971	41.34	PK2	34.20	-30.50	0.00	45.04	-	-	74.00	-28.96	255	390	V
		* 4.88043	28.40	MAv1	34.20	-30.60	4.09	36.09	54.00	-17.91	-	-	255	390	V
		* 7.31859	35.80	PK2	35.80	-25.20	0.00	46.40	-	-	74.00	-27.60	330	100	H
		* 7.31891	23.61	MAv1	35.80	-25.20	4.09	38.30	54.00	-15.70	-	-	330	100	H
		* 7.3186	39.02	PK2	35.80	-25.20	0.00	49.62	-	-	74.00	-24.38	285	100	V
		* 7.32137	27.74	MAv1	35.80	-25.10	4.09	42.53	54.00	-11.47	-	-	285	100	V
		9.756	32.09	PK2	36.90	-21.30	0.00	47.69	-	-	74.00	-26.31	0	100	H
2478	DUAL	9.758	31.73	PK2	36.90	-21.30	0.00	47.33	-	-	74.00	-26.67	0	100	V
		* 4.95595	40.86	PK2	34.30	-30.40	0.00	44.76	-	-	74.00	-29.24	20	101	H
		* 4.95591	29.26	MAv1	34.30	-30.40	4.09	37.25	54.00	-16.75	-	-	20	101	H
		* 4.95698	43.48	PK2	34.30	-30.30	0.00	47.48	-	-	74.00	-26.52	258	400	V
		* 4.95597	32.72	MAv1	34.30	-30.40	4.09	40.71	54.00	-13.29	-	-	258	400	V
		* 7.43544	36.07	PK2	35.70	-25.00	0.00	46.77	-	-	74.00	-27.23	56	100	H
		* 7.43299	24.16	MAv1	35.70	-25.00	4.09	38.95	54.00	-15.05	-	-	56	100	H
		* 7.43382	38.74	PK2	35.70	-25.00	0.00	49.44	-	-	74.00	-24.56	300	100	V
		* 7.43537	27.10	MAv1	35.70	-25.00	4.09	41.89	54.00	-12.11	-	-	300	100	V
		9.912	31.83	PK2	37.10	-21.40	0.00	47.53	-	-	74.00	-26.47	0	100	H
2478	DUAL	9.912	32.66	PK2	37.10	-21.40	0.00	48.36	-	-	74.00	-25.64	0	100	V

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

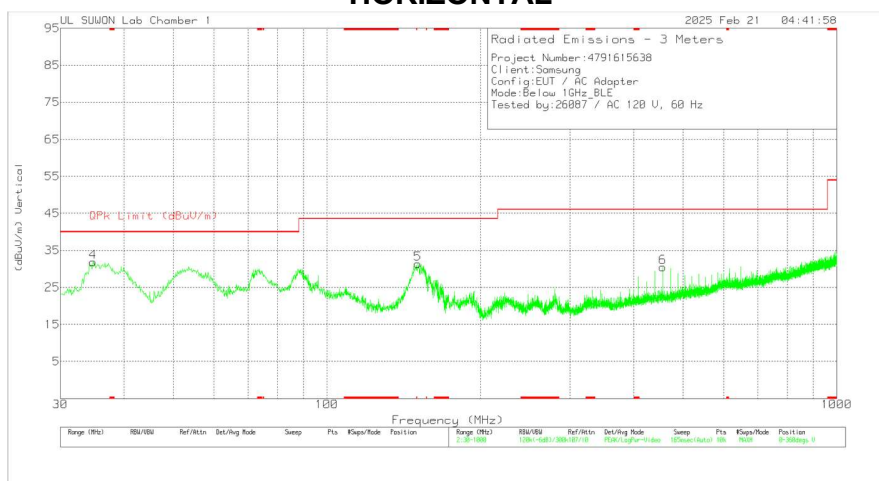
Note2. * - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

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	* 73.165	44.98	Pk	14.2	-30.4	28.78	40	-11.22	0-360	100	H
2	89.17	49.68	Pk	15.5	-30.4	34.78	43.52	-8.74	0-360	200	H
3	440.116	40.23	Pk	21.9	-27.8	34.33	46.02	-11.69	0-360	100	H
4	34.753	46.45	Pk	16.5	-31.1	31.85	40	-8.15	0-360	200	V
5	150.862	47.21	Pk	13.8	-29.7	31.31	43.52	-12.21	0-360	200	V
6	456.024	36.06	Pk	22	-27.6	30.46	46.02	-15.56	0-360	200	V

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

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.

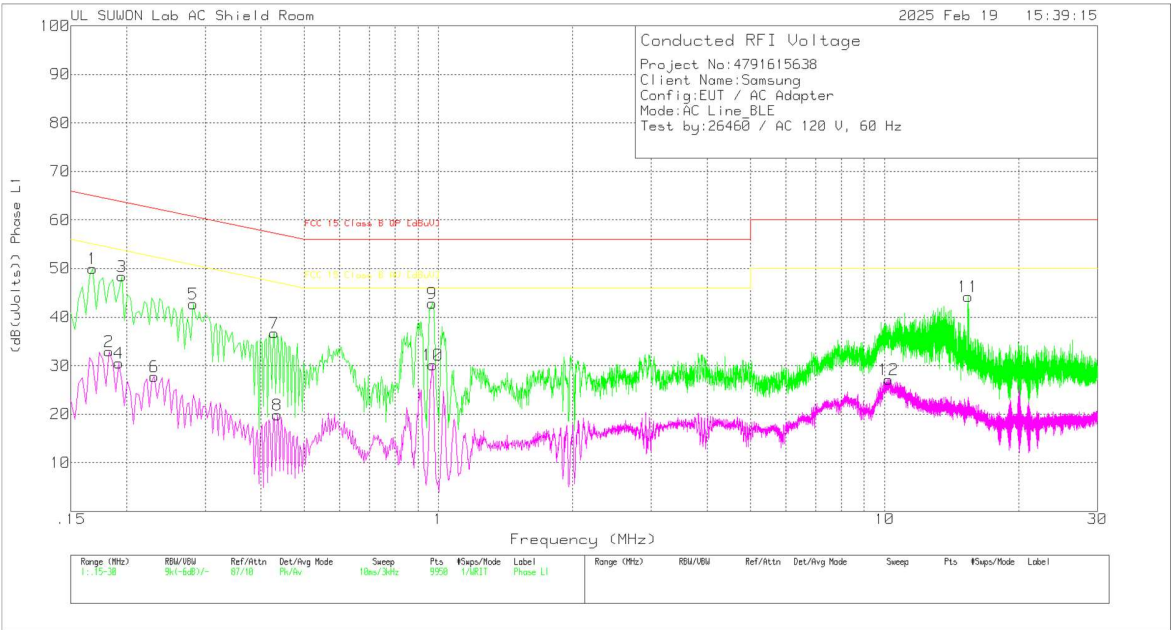
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1. AC Power Line

LINE 1 RESULTS

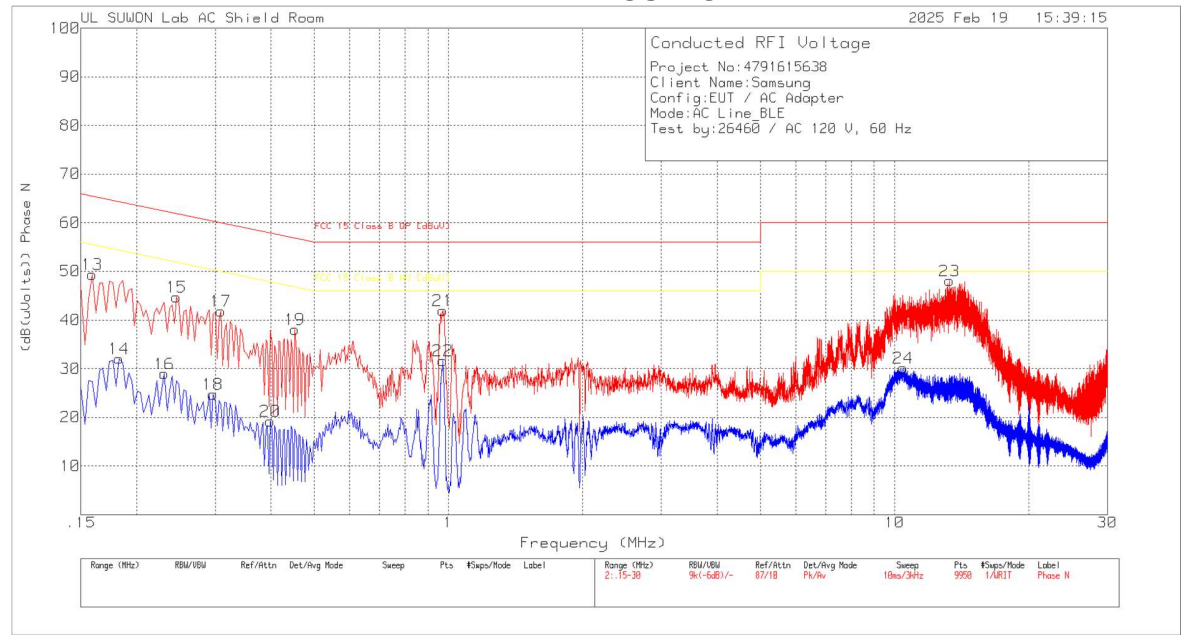


Trace Markers

Range 1: Phase L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_Wit h EX_L1 [dB]	Cable Loss [dB]	Corrected Reading [dBuV]	FCC 15 Class B QP [dBuV]	Margin (dB)	FCC 15 Class B AV [dBuV]	Margin (dB)
1	.168	39.91	Pk	10	.1	50.01	65.06	-15.05	-	-
2	.183	22.96	Av	9.9	.1	32.96	-	-	54.35	-21.39
3	.195	38.42	Pk	9.9	.1	48.42	63.82	-15.4	-	-
4	.192	20.47	Av	9.9	.1	30.47	-	-	53.95	-23.48
5	.282	32.93	Pk	9.7	.1	42.73	60.76	-18.03	-	-
6	.231	17.92	Av	9.7	.1	27.72	-	-	52.41	-24.69
7	.429	26.83	Pk	9.8	.1	36.73	57.27	-20.54	-	-
8	.435	9.97	Av	9.8	.1	19.87	-	-	47.16	-27.29
9	.969	32.95	Pk	9.8	.1	42.85	56	-13.15	-	-
10	.972	20.23	Av	9.8	.1	30.13	-	-	46	-15.87
11	15.372	33.94	Pk	10	.3	44.24	60	-15.76	-	-
12	10.209	17.04	Av	9.9	.2	27.14	-	-	50	-22.86

Pk - Peak detector
Av - Average detection

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 [dBuV]	FCC 15 Class B QP [dBuV]	Margin (dB)	FCC 15 Class B AV [dBuV]	Margin (dB)
13	.159	39.43	Pk	9.8	.1	49.33	65.52	-16.19	-	-
14	.183	22.08	Av	9.9	.1	32.08	-	-	54.35	-22.27
15	.246	35.04	Pk	9.6	.1	44.74	61.89	-17.15	-	-
16	.231	19.15	Av	9.7	.1	28.95	-	-	52.41	-23.46
17	.309	32.01	Pk	9.7	.1	41.81	60	-18.19	-	-
18	.297	14.94	Av	9.7	.1	24.74	-	-	50.33	-25.59
19	.453	28.12	Pk	9.8	.1	38.02	56.82	-18.8	-	-
20	.399	9.3	Av	9.8	.1	19.2	-	-	47.87	-28.67
21	.972	32.05	Pk	9.8	.1	41.95	56	-14.05	-	-
22	.972	21.79	Av	9.8	.1	31.69	-	-	46	-14.31
23	13.293	37.75	Pk	10	.3	48.05	60	-11.95	-	-
24	10.44	20.03	Av	9.9	.2	30.13	-	-	50	-19.87

Pk - Peak detector
Av - Average detection

END OF TEST REPORT