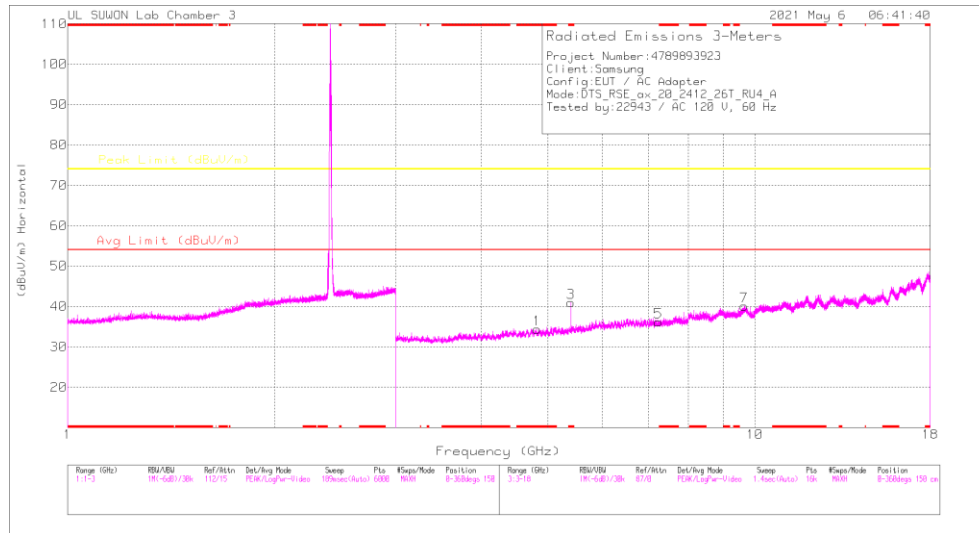
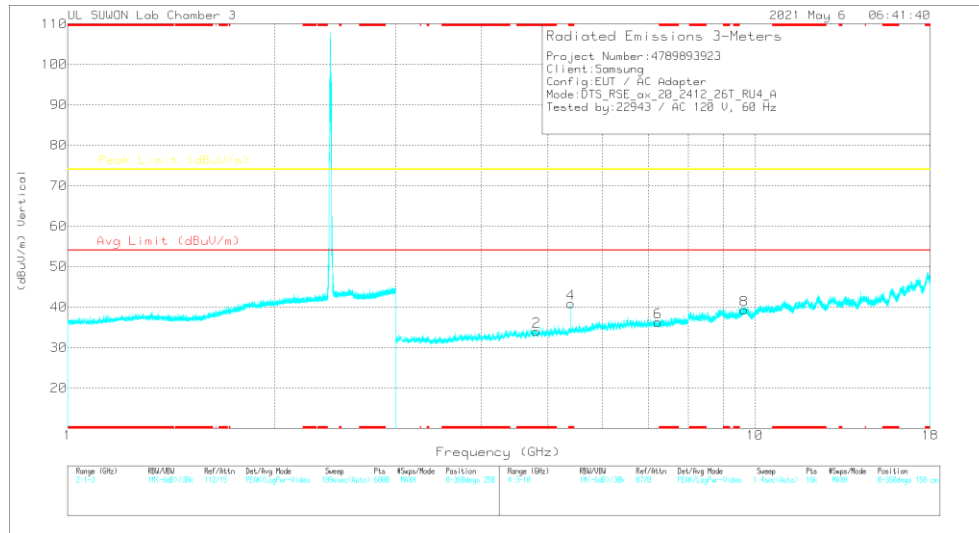


HARMONICS AND SPURIOUS EMISSIONS (WORST CASE: 1 CHANNEL, 4RU) CH 1 RESULTS



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	3117_00218957	3GHz_HP[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
* 4.82415	39.44	PK2	34.6	-30.3	0	43.74	-	-	74	-30.26	0	100	H
* 4.82828	39.43	PK2	34.6	-30.4	0	43.63	-	-	74	-30.37	0	100	V
* 5.39722	38.32	PK2	35.2	-29.2	0	44.32	-	-	74	-29.68	0	100	H
* 5.40002	41.81	PK2	35.2	-29.1	0	47.91	-	-	74	-26.09	0	100	V
7.23612	35.84	PK2	36	-25.6	0	46.24	-	-	74	-27.76	0	100	H
7.23213	35.54	PK2	36	-25.6	0	45.94	-	-	74	-28.06	0	100	V
9.64458	33.66	PK2	37.4	-21.4	0	49.66	-	-	74	-24.34	0	100	H
9.64703	32.86	PK2	37.4	-21.4	0	48.86	-	-	74	-25.14	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak

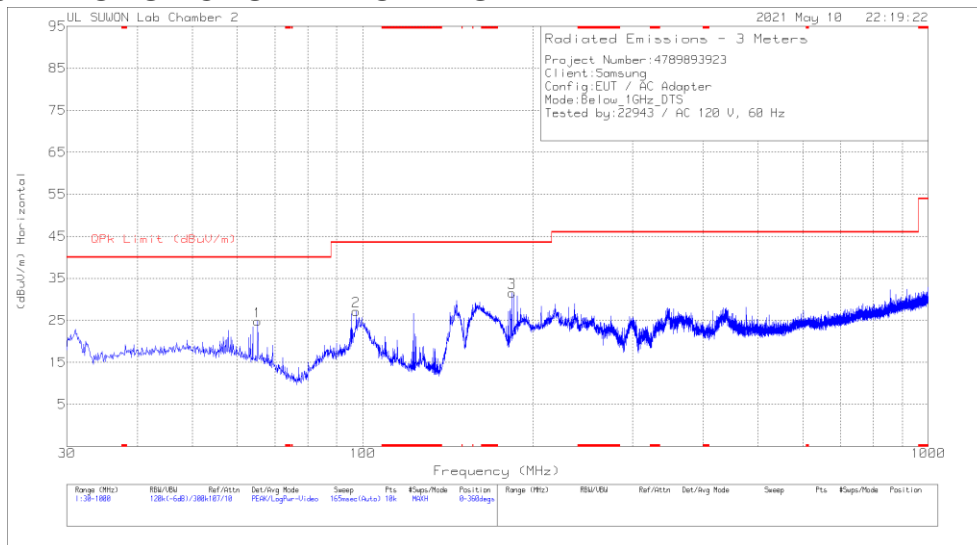
HARMONICS AND SPURIOUS EMISSIONS TEST DATA

Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	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
2412 RU4	MIMO	* 4.82415	39.44	PK2	34.60	-30.30	0.00	43.74	-	-	74.00	-30.26	0	100	H
		* 4.82828	39.43	PK2	34.60	-30.40	0.00	43.63	-	-	74.00	-30.37	0	100	V
		* 5.39722	38.32	PK2	35.20	-29.20	0.00	44.32	-	-	74.00	-29.68	0	100	H
		* 5.40002	41.81	PK2	35.20	-29.10	0.00	47.91	-	-	74.00	-26.09	0	100	V
		7.236	35.84	PK2	36.00	-25.60	0.00	46.24	-	-	74.00	-27.76	0	100	H
		7.232	35.54	PK2	36.00	-25.60	0.00	45.94	-	-	74.00	-28.06	0	100	V
		9.645	33.66	PK2	37.40	-21.40	0.00	49.66	-	-	74.00	-24.34	0	100	H
		9.647	32.86	PK2	37.40	-21.40	0.00	48.86	-	-	74.00	-25.14	0	100	V
2437 RU0	MIMO	* 4.87196	39.54	PK2	34.60	-30.70	0.00	43.44	-	-	74.00	-30.56	360	100	H
		* 4.87112	39.52	PK2	34.60	-30.70	0.00	43.42	-	-	74.00	-30.58	360	100	V
		* 5.40381	38.14	PK2	35.20	-29.10	0.00	44.24	-	-	74.00	-29.76	360	100	H
		* 5.40002	40.86	PK2	35.20	-29.10	0.00	46.96	-	-	74.00	-27.04	360	100	V
		* 7.30695	35.38	PK2	36.00	-25.20	0.00	46.18	-	-	74.00	-27.82	360	100	H
		* 7.31002	35.15	PK2	36.00	-25.20	0.00	45.95	-	-	74.00	-28.05	360	100	V
		9.745	32.95	PK2	37.50	-21.20	0.00	49.25	-	-	74.00	-24.75	360	100	H
		9.747	33.14	PK2	37.50	-21.20	0.00	49.44	-	-	74.00	-24.56	360	100	V
2462 RU8	MIMO	* 4.92161	40.11	PK2	34.70	-30.90	0.00	43.91	-	-	74.00	-30.09	0	100	H
		* 4.92785	40.14	PK2	34.70	-30.90	0.00	43.94	-	-	74.00	-30.06	0	100	V
		* 5.39582	38.38	PK2	35.20	-29.20	0.00	44.38	-	-	74.00	-29.62	0	100	H
		* 5.40003	40.90	PK2	35.20	-29.10	0.00	47.00	-	-	74.00	-27.00	0	100	V
		* 7.38893	34.25	PK2	36.00	-24.50	0.00	45.75	-	-	74.00	-28.25	0	100	H
		* 7.38337	34.44	PK2	36.00	-24.50	0.00	45.94	-	-	74.00	-28.06	0	100	V
		9.851	32.16	PK2	37.70	-21.30	0.00	48.56	-	-	74.00	-25.44	0	100	H
		9.850	31.90	PK2	37.70	-21.30	0.00	48.30	-	-	74.00	-25.70	0	100	V

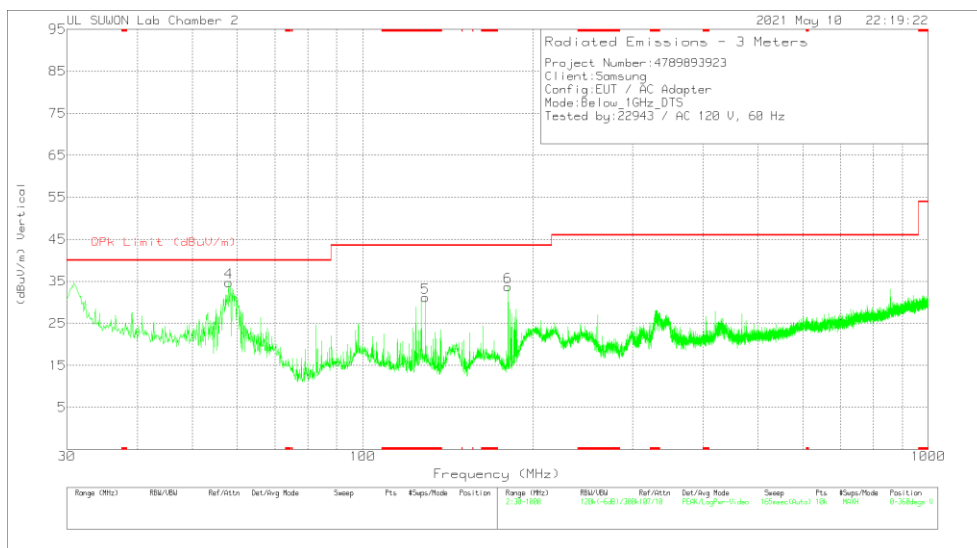
Note1. PK2 - KDB558074 Method: Maximum Peak / MAV1 - KDB558074 Option 1 Maximum RMS Average

Note2. * - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

10.2. WORST CASE BELOW 1 GHZ



HORIZONTAL



VERTICAL

Below 1GHz DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	65.211	39.48	Pk	17	-31.7	24.78	40	-15.22	0-360	100	H
2	97.415	41.39	Pk	17.1	-31.3	27.19	43.52	-16.33	0-360	200	H
3	183.648	46.68	Pk	15.7	-30.8	31.58	43.52	-11.94	0-360	100	H
4	58.033	47.55	Pk	18.9	-31.7	34.75	40	-5.25	0-360	200	V
5	* 129.134	48.05	Pk	14.3	-31.2	31.15	43.52	-12.37	0-360	100	V
6	180.738	49.22	Pk	15.4	-30.9	33.72	43.52	-9.8	0-360	100	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.

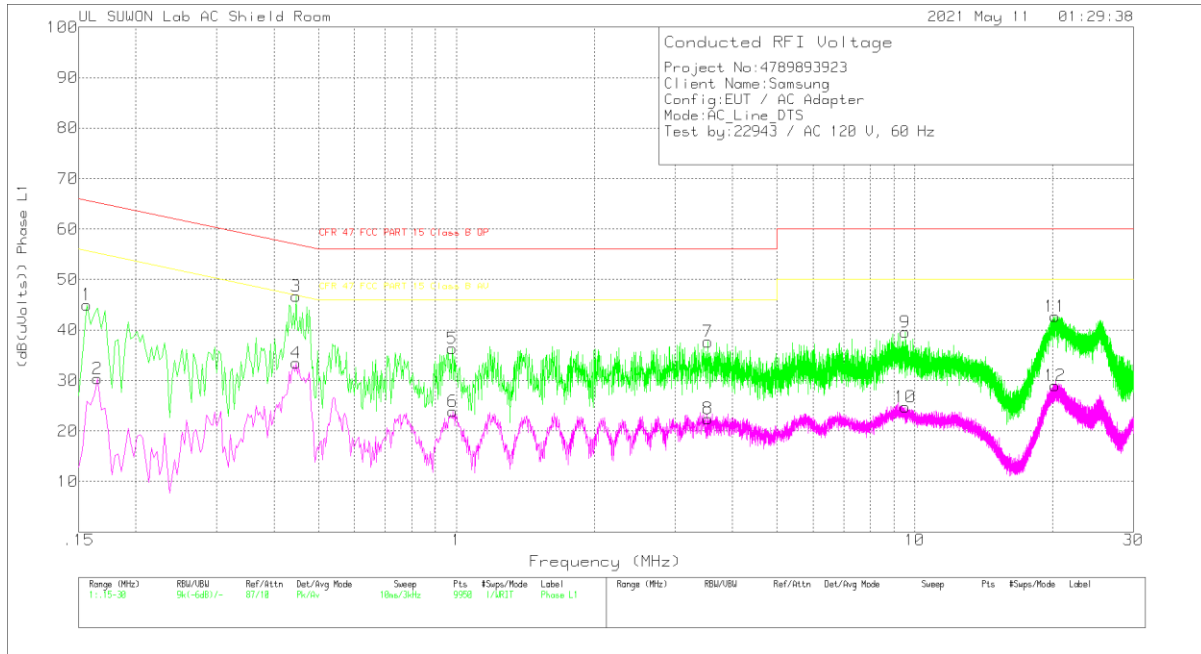
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1.1. AC Power Line

LINE 1 RESULTS



Trace Markers

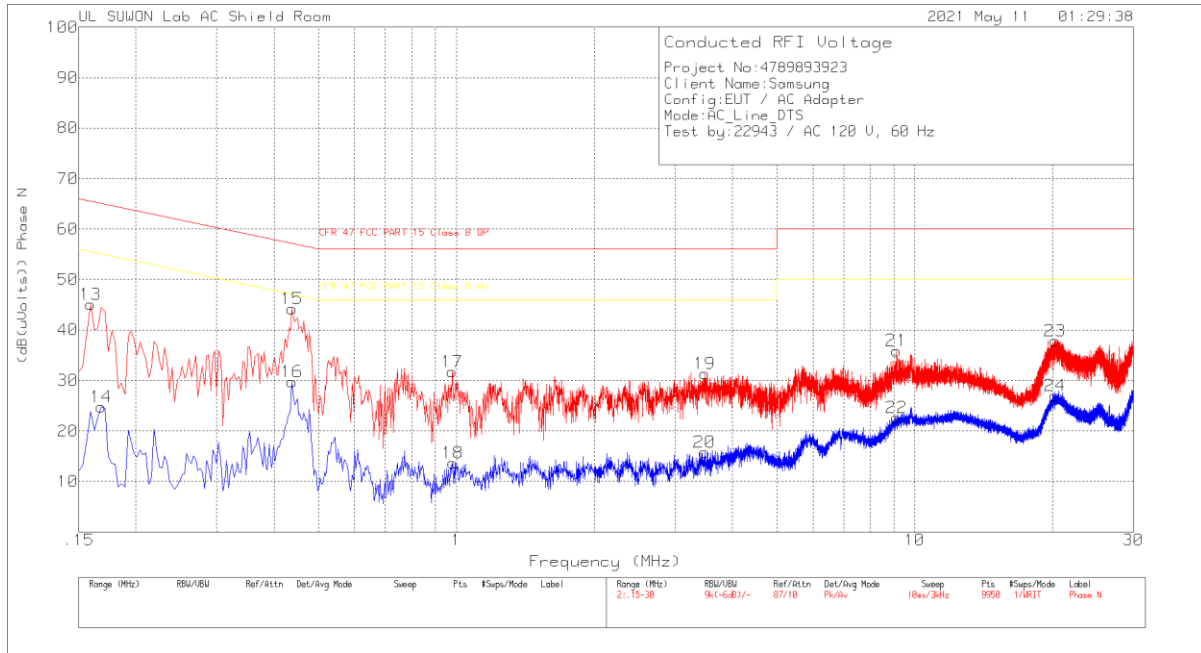
Range 1: Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_Wit h EX_L1[dB]	CABLELOS S(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
1	.156	35.01	Pk	9.9	.1	45.01	65.67	-20.66	-	-
2	.165	20.21	Av	10	.1	30.31	-	-	55.21	-24.9
3	.447	36.64	Pk	9.9	.2	46.74	56.93	-10.19	-	-
4	.447	23.33	Av	9.9	.2	33.43	-	-	46.93	-13.5
5	.978	26.24	Pk	9.8	.3	36.34	56	-19.66	-	-
6	.981	13.84	Av	9.8	.3	23.94	-	-	46	-22.06
7	3.534	27.56	Pk	9.8	.3	37.66	56	-18.34	-	-
8	3.534	12.35	Av	9.8	.3	22.45	-	-	46	-23.55
9	9.531	29.26	Pk	9.9	.4	39.56	60	-20.44	-	-
10	9.525	14.46	Av	9.9	.4	24.76	-	-	50	-25.24
11	20.238	32.07	Pk	10.2	.4	42.67	60	-17.33	-	-
12	20.247	18.39	Av	10.2	.4	28.99	-	-	50	-21.01

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]	CABLELOS S(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
13	.159	35.03	Pk	9.9	.1	45.03	65.52	-20.49	-	-
14	.168	14.58	Av	10.1	.1	24.78	-	-	55.06	-30.28
15	.438	34.1	Pk	9.9	.2	44.2	57.1	-12.9	-	-
16	.438	19.69	Av	9.9	.2	29.79	-	-	47.1	-17.31
17	.978	21.65	Pk	9.8	.3	31.75	56	-24.25	-	-
18	.981	3.58	Av	9.8	.3	13.68	-	-	46	-32.32
19	3.48	21.21	Pk	9.8	.3	31.31	56	-24.69	-	-
20	3.477	5.69	Av	9.8	.3	15.79	-	-	46	-30.21
21	9.135	25.61	Pk	9.9	.4	35.91	60	-24.09	-	-
22	9.138	12.34	Av	9.9	.4	22.64	-	-	50	-27.36
23	20.244	27.18	Pk	10.3	.4	37.88	60	-22.12	-	-
24	20.229	16.26	Av	10.3	.4	26.96	-	-	50	-23.04

Pk - Peak detector

Av - Average detection

END OF TEST REPORT