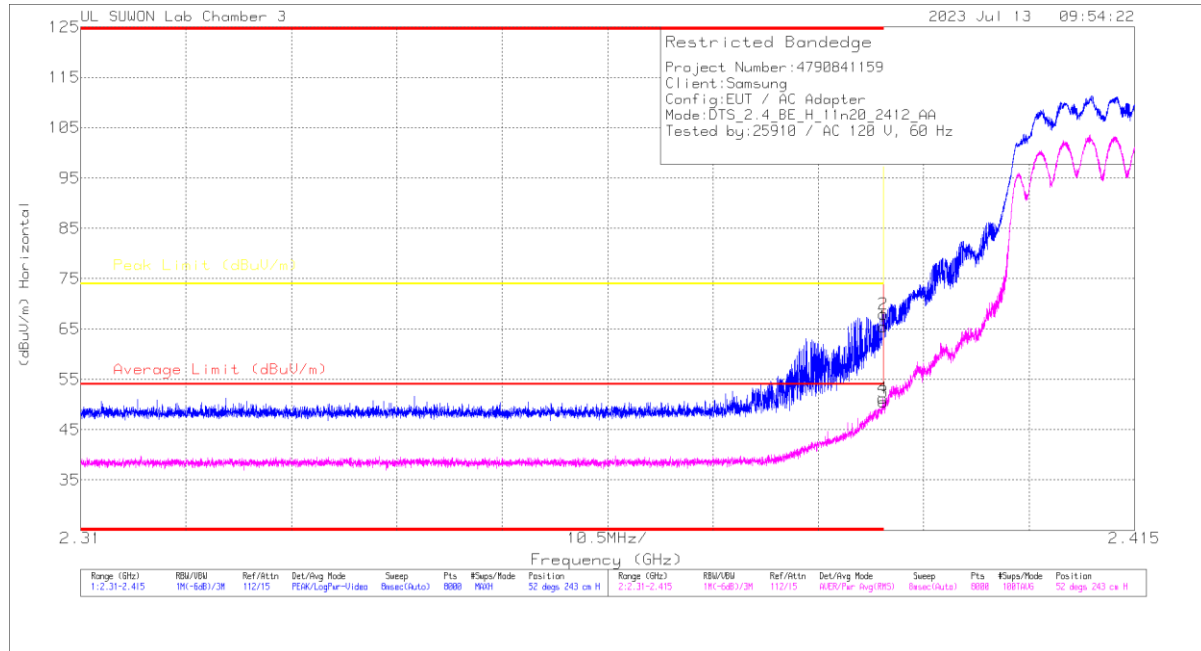


10.1.3. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND

2TX Antenna 1 + Antenna 2

BANDEDGE (WORST CASE: 1 CHANNEL)

HORIZONTAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00218967	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	58.47	Pk	32.1	-25.1	0	65.47	-	-	74	-8.53	52	243	H
2	* 2.38996	61.01	Pk	32.1	-25.1	0	68.01	-	-	74	-5.99	52	243	H
3	* 2.39	43.53	RMS	32.1	-25.1	0	50.53	54	-3.47	-	-	52	243	H
4	* 2.38994	44.29	RMS	32.1	-25.1	0	51.29	54	-2.71	-	-	52	243	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

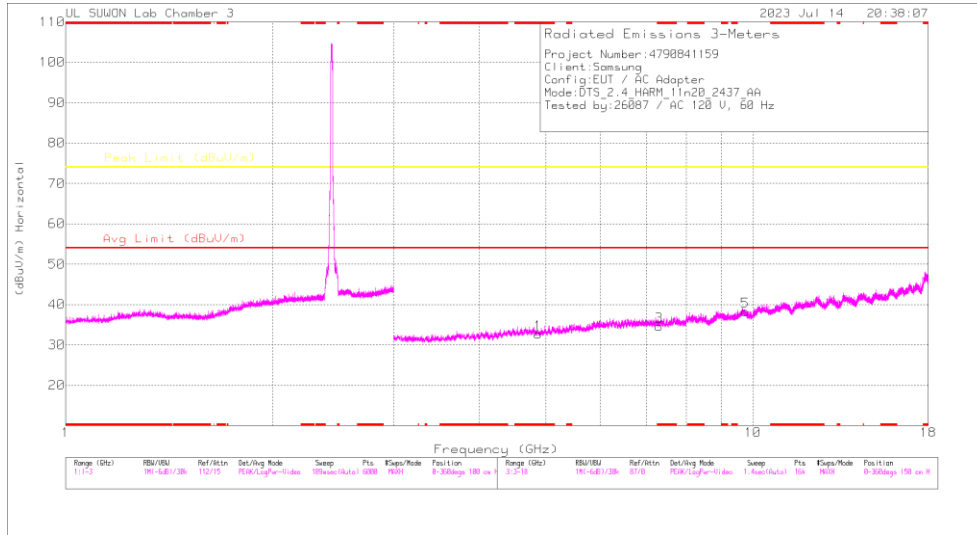
BANDEDGE TEST DATA

Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	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	MIMO	* 2.39	58.47	Pk	32.10	-25.10	0.00	65.47	-	-	74.00	-8.53	52	243	H
		* 2.38996	61.01	Pk	32.10	-25.10	0.00	68.01	-	-	74.00	-5.99	52	243	H
		2.39	43.53	RMS	32.10	-25.10	0.00	50.53	54.00	-3.47	-	-	52	243	H
		* 2.38994	44.29	RMS	32.10	-25.10	0.00	51.29	54.00	-2.71	-	-	52	243	H
		* 2.39	50.32	Pk	32.10	-25.10	0.00	57.32	-	-	74.00	-16.68	96	131	V
		* 2.38963	59.63	Pk	32.10	-25.10	0.00	66.63	-	-	74.00	-7.37	96	131	V
		* 2.39	37.89	RMS	32.10	-25.10	0.00	44.89	54.00	-9.11	-	-	96	131	V
		* 2.38892	38.92	RMS	32.10	-25.10	0.00	45.92	54.00	-8.08	-	-	96	131	V
2462	MIMO	* 2.4835	59.51	Pk	32.40	-25.00	0.00	66.91	-	-	74.00	-7.09	53	232	H
		* 2.48456	62.67	Pk	32.40	-25.00	0.00	70.07	-	-	74.00	-3.93	53	232	H
		* 2.4835	43.37	RMS	32.40	-25.00	0.00	50.77	54.00	-3.23	-	-	53	232	H
		* 2.48353	43.63	RMS	32.40	-25.00	0.00	51.03	54.00	-2.97	-	-	53	232	H
		* 2.4835	53.11	Pk	32.40	-25.00	0.00	60.51	-	-	74.00	-13.49	97	132	V
		* 2.48378	60.33	Pk	32.40	-25.00	0.00	67.73	-	-	74.00	-6.27	97	132	V
		* 2.4835	39.63	RMS	32.40	-25.00	0.00	47.03	54.00	-6.97	-	-	97	132	V
		* 2.48393	41.05	RMS	32.40	-25.00	0.00	48.45	54.00	-5.55	-	-	97	132	V
2467	MIMO	* 2.4835	41.50	Pk	32.40	-25.00	0.00	48.90	-	-	74.00	-25.10	53	258	H
		* 2.48574	48.47	Pk	32.40	-25.00	0.00	55.87	-	-	74.00	-18.13	53	258	H
		* 2.4835	33.00	RMS	32.40	-25.00	0.00	40.40	54.00	-13.60	-	-	53	258	H
		* 2.48412	33.83	RMS	32.40	-25.00	0.00	41.23	54.00	-12.77	-	-	53	258	H
		* 2.4835	41.64	Pk	32.40	-25.00	0.00	49.04	-	-	74.00	-24.96	88	131	V
		* 2.48626	46.72	Pk	32.40	-25.00	0.00	54.12	-	-	74.00	-19.88	88	131	V
		* 2.4835	32.74	RMS	32.40	-25.00	0.00	40.14	54.00	-13.86	-	-	88	131	V
		* 2.48635	33.28	RMS	32.40	-25.00	0.00	40.68	54.00	-13.32	-	-	88	131	V
2472	MIMO	* 2.4835	57.53	Pk	32.40	-25.00	0.00	64.93	-	-	74.00	-9.07	52	241	H
		* 2.48351	57.62	Pk	32.40	-25.00	0.00	65.02	-	-	74.00	-8.98	52	241	H
		* 2.4835	41.45	RMS	32.40	-25.00	0.00	48.85	54.00	-5.15	-	-	52	241	H
		* 2.48353	41.99	RMS	32.40	-25.00	0.00	49.39	54.00	-4.61	-	-	52	241	H
		* 2.4835	54.43	Pk	32.40	-25.00	0.00	61.83	-	-	74.00	-12.17	86	130	V
		* 2.48351	55.69	Pk	32.40	-25.00	0.00	63.09	-	-	74.00	-10.91	86	130	V
		* 2.4835	38.57	RMS	32.40	-25.00	0.00	45.97	54.00	-8.03	-	-	86	130	V
		* 2.48353	39.91	RMS	32.40	-25.00	0.00	47.31	54.00	-6.69	-	-	86	130	V

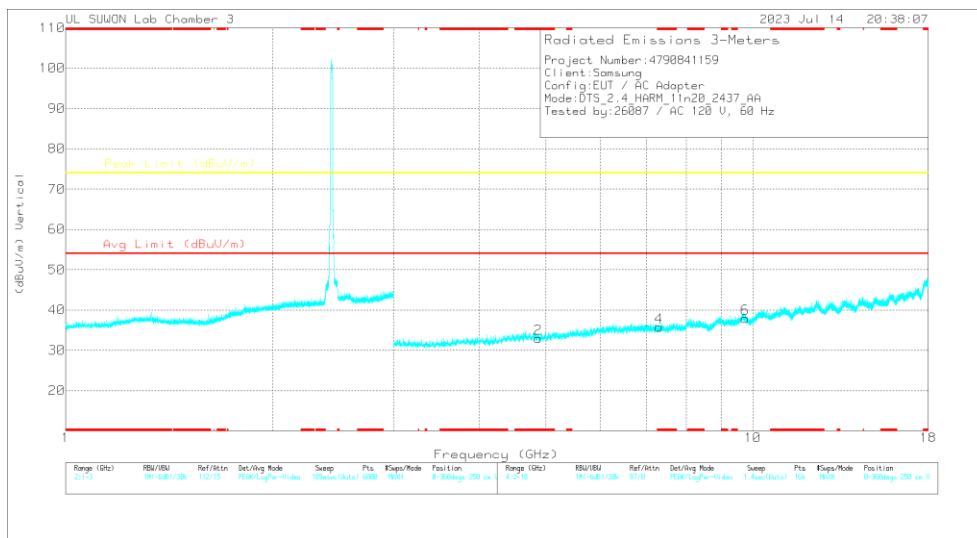
Note1. Pk - Peak detector, RMS - RMS detector
 Note2. * - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

HARMONICS AND SPURIOUS EMISSIONS (WORST CASE: 6 CHANNEL)

CH 6 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
* 4.88058	40.67	PK2	34.2	-30.9	0	43.97	-	-	74	-30.03	0	100	H
* 4.876	40.08	PK2	34.2	-30.8	0	43.48	-	-	74	-30.52	0	100	V
* 7.30786	35.82	PK2	35.8	-25.5	0	46.12	-	-	74	-27.88	0	100	H
* 7.31075	35.3	PK2	35.8	-25.5	0	45.6	-	-	74	-28.4	0	100	V
9.74911	32.27	PK2	36.9	-21.2	0	47.97	-	-	74	-26.03	0	100	H
9.75177	32.04	PK2	36.9	-21.1	0	47.84	-	-	74	-26.16	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	MIMO	* 4.82963	39.13	PK2	34.20	-30.30	0.00	43.03	-	-	74.00	-30.97	0	100	H
		* 4.83387	38.96	PK2	34.20	-30.30	0.00	42.86	-	-	74.00	-31.14	0	100	V
		7.235	35.47	PK2	35.80	-25.80	0.00	45.47	-	-	74.00	-28.53	0	100	H
		7.239	36.19	PK2	35.80	-25.80	0.00	46.19	-	-	74.00	-27.81	0	100	V
		9.648	32.52	PK2	36.80	-21.40	0.00	47.92	-	-	74.00	-26.08	0	100	H
		9.648	32.48	PK2	36.80	-21.40	0.00	47.88	-	-	74.00	-26.12	0	100	V
2437	MIMO	* 4.88058	40.67	PK2	34.20	-30.90	0.00	43.97	-	-	74.00	-30.03	0	100	H
		* 4.876	40.08	PK2	34.20	-30.80	0.00	43.48	-	-	74.00	-30.52	0	100	V
		* 7.30786	35.82	PK2	35.80	-25.50	0.00	46.12	-	-	74.00	-27.88	0	100	H
		* 7.31075	35.30	PK2	35.80	-25.50	0.00	45.60	-	-	74.00	-28.40	0	100	V
		9.749	32.27	PK2	36.90	-21.20	0.00	47.97	-	-	74.00	-26.03	0	100	H
		9.752	32.04	PK2	36.90	-21.10	0.00	47.84	-	-	74.00	-26.16	0	100	V
2462	MIMO	* 4.92424	40.39	PK2	34.20	-30.90	0.00	43.69	-	-	74.00	-30.31	0	100	H
		* 4.92251	40.74	PK2	34.20	-30.90	0.00	44.04	-	-	74.00	-29.96	0	100	V
		* 7.38683	34.75	PK2	35.70	-24.80	0.00	45.65	-	-	74.00	-28.35	0	100	H
		* 7.38051	34.84	PK2	35.70	-24.90	0.00	45.64	-	-	74.00	-28.36	0	100	V
		9.844	31.42	PK2	37.10	-21.30	0.00	47.22	-	-	74.00	-26.78	0	100	H
		9.841	31.74	PK2	37.10	-21.30	0.00	47.54	-	-	74.00	-26.46	0	100	V

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

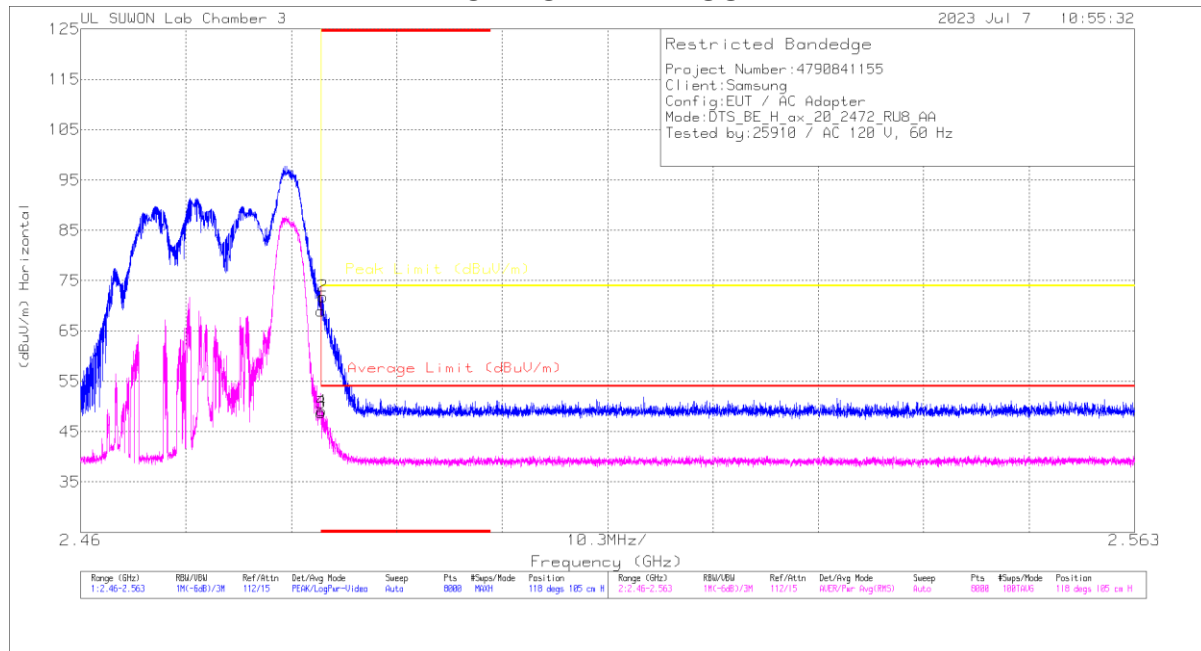
Note2. * - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

10.1.4. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 2.4 GHz BAND

2TX Antenna 1 + Antenna 2

BANDEDGE (13 CHANNEL, 8RU)

HORIZONTAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218857	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.51	Pk	32.4	-25	0	68.91	-	-	74	-5.09	118	105	H
2	* 2.48358	64.48	PK	32.4	-25	0	71.88	-	-	74	-2.12	118	105	H
3	* 2.4835	41.35	RMS	32.4	-25	0	48.75	54	-5.25	-	-	118	105	H
4	* 2.48358	41.73	RMS	32.4	-25	0	48.13	54	-4.87	-	-	118	105	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

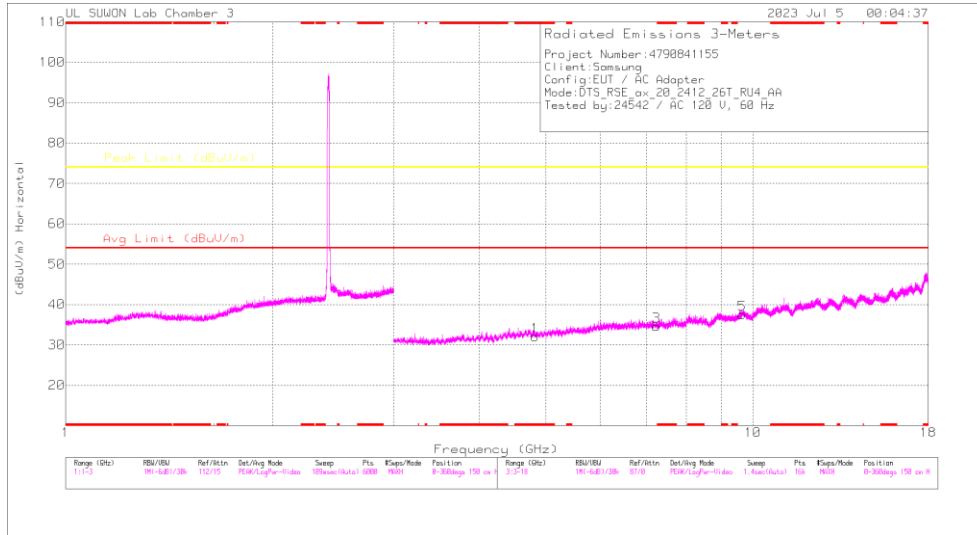
BANDEDGE TEST DATA

Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	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 SU	MIMO	* 2.39	57.53	Pk	32.10	-25.10	0.00	64.53	-	-	74.00	-9.47	54	193	H	
		* 2.38993	62.30	Pk	32.10	-25.10	0.00	69.30	-	-	74.00	-4.70	54	193	H	
		* 2.39	43.33	RMS	32.10	-25.10	0.18	50.51	54.00	-3.49	-	-	-	54	193	H
		* 2.38977	43.66	RMS	32.10	-25.10	0.18	50.84	54.00	-3.16	-	-	-	54	193	H
		* 2.39	53.62	Pk	32.10	-25.10	0.00	60.62	-	-	74.00	-13.38	-	91	100	V
		* 2.38959	54.59	Pk	32.10	-25.10	0.00	61.59	-	-	74.00	-12.41	-	91	100	V
		* 2.39	38.02	RMS	32.10	-25.10	0.18	45.20	54.00	-8.80	-	-	-	91	100	V
		* 2.38968	38.16	RMS	32.10	-25.10	0.18	45.34	54.00	-8.66	-	-	-	91	100	V
2462 SU	MIMO	* 2.4835	60.33	Pk	32.40	-25.00	0.00	67.73	-	-	74.00	-6.27	53	101	H	
		* 2.48369	60.87	Pk	32.40	-25.00	0.00	68.27	-	-	74.00	-5.73	53	101	H	
		* 2.4835	41.58	RMS	32.40	-25.00	0.18	49.16	54.00	-4.84	-	-	53	100	H	
		* 2.48356	42.27	RMS	32.40	-25.00	0.18	49.85	54.00	-4.15	-	-	53	100	H	
		* 2.4835	48.83	Pk	32.40	-25.00	0.00	56.23	-	-	74.00	-17.77	-	78	141	V
		* 2.48423	57.03	Pk	32.40	-25.00	0.00	64.43	-	-	74.00	-9.57	-	78	141	V
		* 2.4835	36.03	RMS	32.40	-25.00	0.18	43.61	54.00	-10.39	-	-	-	78	141	V
		* 2.48385	38.41	RMS	32.40	-25.00	0.18	45.99	54.00	-8.01	-	-	-	78	141	V
2467 SU	MIMO	* 2.4835	42.70	Pk	32.40	-25.00	0.00	50.10	-	-	74.00	-23.90	57	123	H	
		* 2.48565	47.39	Pk	32.40	-25.00	0.00	54.79	-	-	74.00	-19.21	57	123	H	
		* 2.4835	32.73	RMS	32.40	-25.00	0.18	40.31	54.00	-13.69	-	-	57	123	H	
		* 2.48635	33.39	RMS	32.40	-25.00	0.18	40.97	54.00	-13.03	-	-	57	123	H	
		* 2.4835	43.30	Pk	32.40	-25.00	0.00	50.70	-	-	74.00	-23.30	-	95	131	V
		* 2.48377	44.98	Pk	32.40	-25.00	0.00	52.38	-	-	74.00	-21.62	-	95	131	V
		* 2.4835	32.89	RMS	32.40	-25.00	0.18	40.47	54.00	-13.53	-	-	-	95	131	V
		* 2.48508	33.42	RMS	32.40	-25.00	0.18	41.00	54.00	-13.00	-	-	-	95	131	V
2472 SU	MIMO	* 2.4835	60.56	Pk	32.40	-25.00	0.00	67.96	-	-	74.00	-6.04	52	100	H	
		* 2.48358	59.14	Pk	32.40	-25.00	0.00	66.54	-	-	74.00	-7.46	52	100	H	
		* 2.4835	36.80	RMS	32.40	-25.00	0.18	44.38	54.00	-9.62	-	-	52	100	H	
		* 2.48356	39.18	RMS	32.40	-25.00	0.18	46.76	54.00	-7.24	-	-	52	100	H	
		* 2.4835	59.84	Pk	32.40	-25.00	0.00	67.24	-	-	74.00	-6.76	-	77	132	V
		* 2.48387	56.56	Pk	32.40	-25.00	0.00	63.96	-	-	74.00	-10.04	-	77	132	V
		* 2.4835	37.00	RMS	32.40	-25.00	0.18	44.58	54.00	-9.42	-	-	-	77	132	V
		* 2.48362	37.70	RMS	32.40	-25.00	0.18	45.28	54.00	-8.72	-	-	-	77	132	V
2472 8RU	MIMO	* 2.4835	61.51	Pk	32.40	-25.00	0.00	68.91	-	-	74.00	-5.09	118	105	H	
		* 2.48368	64.48	Pk	32.40	-25.00	0.00	71.88	-	-	74.00	-2.12	118	105	H	
		* 2.4835	41.35	RMS	32.40	-25.00	0.00	48.75	54.00	-5.25	-	-	118	105	H	
		* 2.48358	41.73	RMS	32.40	-25.00	0.00	49.13	54.00	-4.87	-	-	118	105	H	
		* 2.4835	61.01	Pk	32.40	-25.00	0.00	68.41	-	-	74.00	-5.59	-	101	135	V
		* 2.48364	61.91	Pk	32.40	-25.00	0.00	69.31	-	-	74.00	-4.69	-	101	135	V
		* 2.4835	42.53	RMS	32.40	-25.00	0.00	49.93	54.00	-4.07	-	-	-	101	135	V
		* 2.48353	42.85	RMS	32.40	-25.00	0.00	50.25	54.00	-3.75	-	-	-	101	135	V

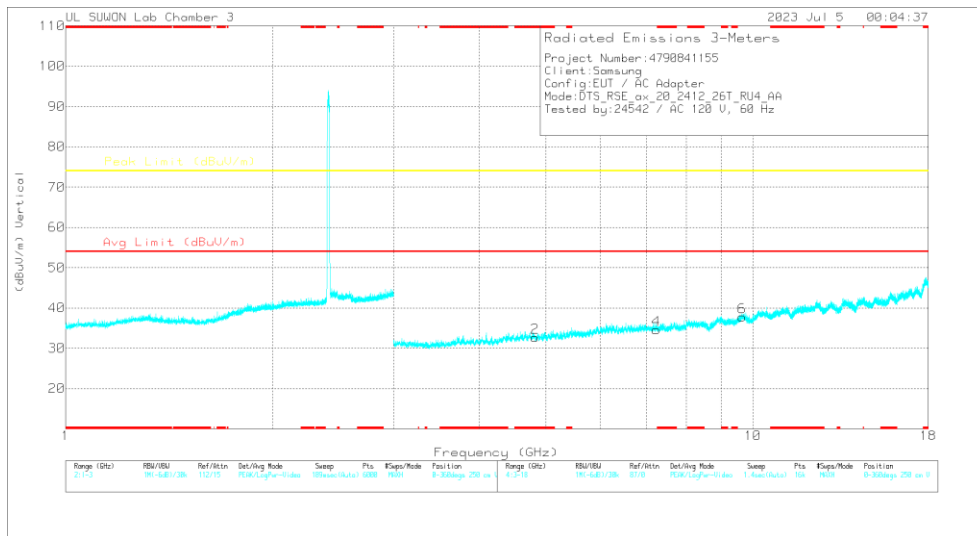
Note1. Pk - Peak detector, RMS - RMS detector
 Note2. * - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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
* 4.82176	39.5	PK2	34.3	-30.2	0	43.6	-	-	74	-30.4	0	100	H
* 4.82172	38.44	PK2	34.3	-30.2	0	42.54	-	-	74	-31.46	0	100	V
7.23208	35.34	PK2	35.8	-25.9	0	45.24	-	-	74	-28.76	0	100	H
7.23758	35.21	PK2	35.8	-25.9	0	45.11	-	-	74	-28.89	0	100	V
9.64898	32.58	PK2	36.8	-21.3	0	48.08	-	-	74	-25.92	0	100	H
9.64919	32.24	PK2	36.8	-21.3	0	47.74	-	-	74	-26.26	0	100	V

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

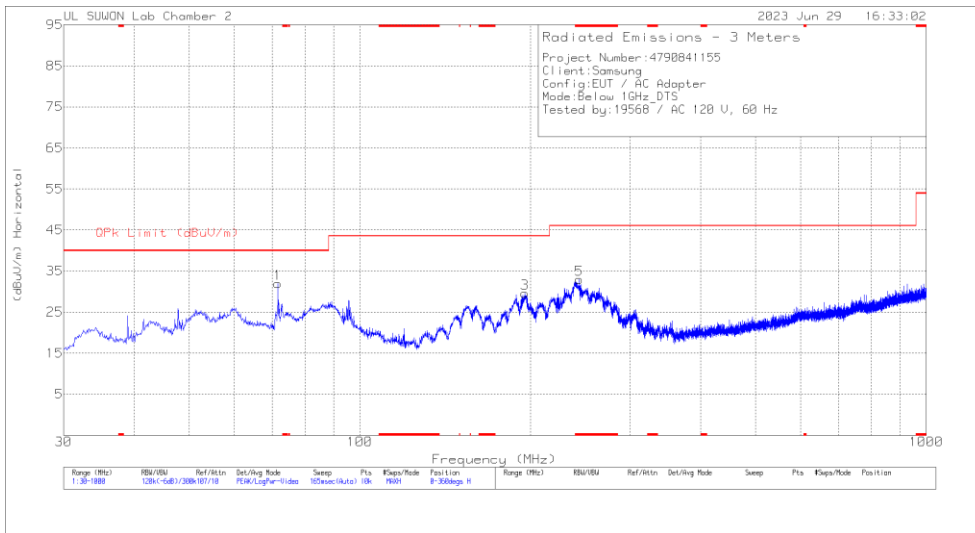
HARMONICS AND SPURIOUS EMISSIONS TEST DATA

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	* 4.82176	39.50	PK2	34.30	-30.20	0.00	43.60	-	-	74.00	-30.40	0	100	H
		* 4.82172	38.44	PK2	34.30	-30.20	0.00	42.54	-	-	74.00	-31.46	0	100	V
		7.232	35.34	PK2	35.80	-25.90	0.00	45.24	-	-	74.00	-28.76	0	100	H
		7.238	35.21	PK2	35.80	-25.90	0.00	45.11	-	-	74.00	-28.89	0	100	V
		9.649	32.58	PK2	36.80	-21.30	0.00	48.08	-	-	74.00	-25.92	0	100	H
		9.649	32.24	PK2	36.80	-21.30	0.00	47.74	-	-	74.00	-26.26	0	100	V
2437 RU4	MIMO	* 4.87182	39.62	PK2	34.20	-30.80	0.00	43.02	-	-	74.00	-30.98	0	100	H
		* 4.87177	40.13	PK2	34.20	-30.80	0.00	43.53	-	-	74.00	-30.47	0	100	V
		* 7.3134	35.13	PK2	35.80	-25.50	0.00	45.43	-	-	74.00	-28.57	0	100	H
		* 7.31211	34.70	PK2	35.80	-25.50	0.00	45.00	-	-	74.00	-29.00	0	100	V
		9.749	31.73	PK2	36.90	-21.20	0.00	47.43	-	-	74.00	-26.57	0	100	H
		9.748	31.57	PK2	36.90	-21.20	0.00	47.27	-	-	74.00	-26.73	0	100	V
2462 RU4	MIMO	* 4.9211	39.52	PK2	34.20	-30.90	0.00	42.82	-	-	74.00	-31.18	0	100	H
		* 4.92556	39.55	PK2	34.30	-30.90	0.00	42.95	-	-	74.00	-31.05	0	100	V
		* 7.39105	34.63	PK2	35.70	-24.70	0.00	45.63	-	-	74.00	-28.37	0	100	H
		* 7.39075	34.34	PK2	35.70	-24.70	0.00	45.34	-	-	74.00	-28.66	0	100	V
		9.851	31.21	PK2	37.10	-21.30	0.00	47.01	-	-	74.00	-26.99	0	100	H
		9.849	31.45	PK2	37.10	-21.30	0.00	47.25	-	-	74.00	-26.75	0	100	V

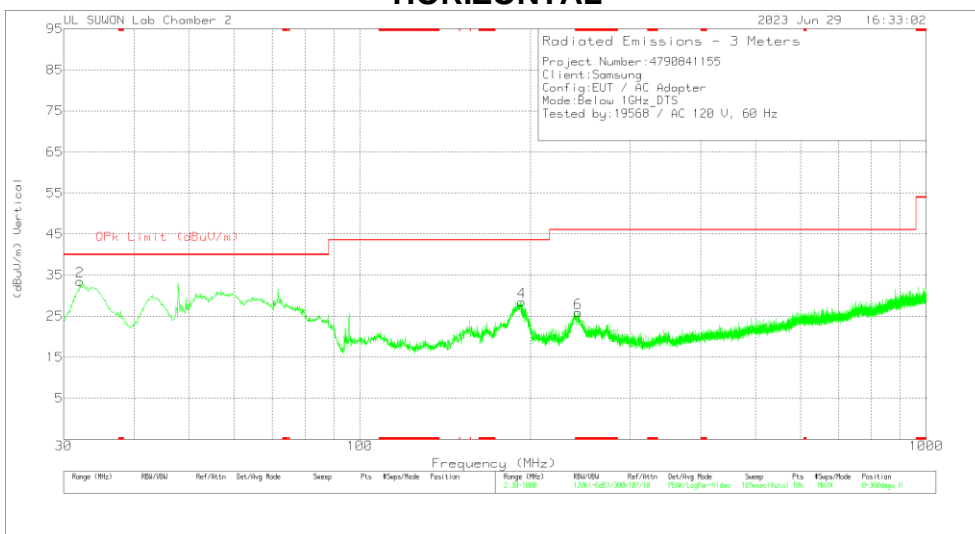
Note1. PK2 - KDB558074 Method: Maximum Peak / MAV1 - KDB558074 Option 1 Maximum RMS Average

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

10.2. WORST CASE BELOW 1 GHZ



HORIZONTAL



VERTICAL

Below 1GHz DATA

Trace Markers

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	71.71	48.62	Pk	14.9	-31.5	32.02	40	-7.98	0-360	100	H
3	195.482	42.71	Pk	17.6	-30.7	29.61	43.52	-13.91	0-360	100	H
5	* 243.885	45.1	Pk	18.4	-30.5	33	46.02	-13.02	0-360	100	H
2	32.037	49.93	Pk	15.5	-31.9	33.53	40	-6.47	0-360	100	V
4	193.154	42.44	Pk	16.9	-30.8	28.54	43.52	-14.98	0-360	100	V
6	* 243.206	38.11	Pk	18.3	-30.6	25.81	46.02	-20.21	0-360	100	V

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

Radiated Emissions

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
32.037	43.92	Qp	15.5	-31.9	27.52	40	-12.48	96	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Qp - Quasi-Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

RSS-GEN Clause 7 & 8.8
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.

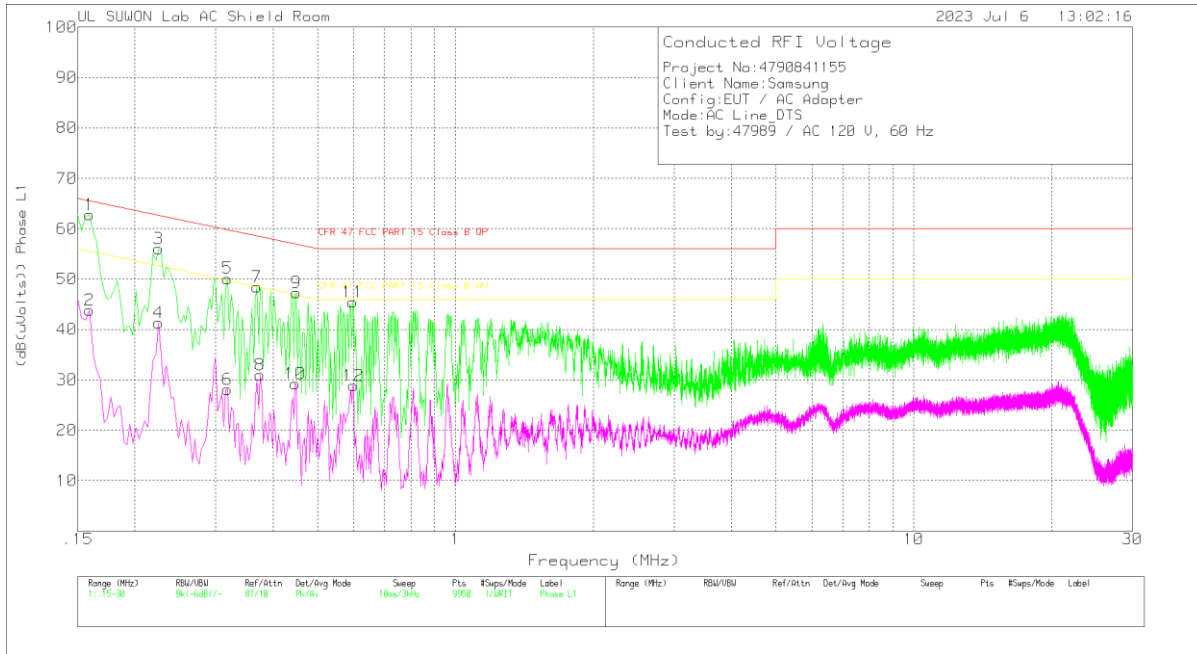
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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_AU TO_With 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	.159	53.14	Pk	9.5	.1	62.74	65.52	-2.78	-	-
2	.159	34.19	Av	9.5	.1	43.79	-	-	55.52	-11.73
3	.225	46.33	Pk	9.5	.2	56.03	62.63	-6.6	-	-
4	.225	31.62	Av	9.5	.2	41.32	-	-	52.63	-11.31
5	.318	40.42	Pk	9.5	.2	50.12	59.76	-9.64	-	-
6	.318	18.47	Av	9.5	.2	28.17	-	-	49.76	-21.59
7	.369	38.72	Pk	9.5	.2	48.42	58.52	-10.1	-	-
8	.375	21.26	Av	9.5	.2	30.96	-	-	48.39	-17.43
9	.45	37.63	Pk	9.5	.2	47.33	56.88	-9.55	-	-
10	.447	19.57	Av	9.5	.2	29.27	-	-	46.93	-17.66
11	.597	35.7	Pk	9.6	.2	45.5	56	-10.5	-	-
12	.6	19.03	Av	9.6	.2	28.83	-	-	46	-17.17

Pk - Peak detector

Av - Average detection

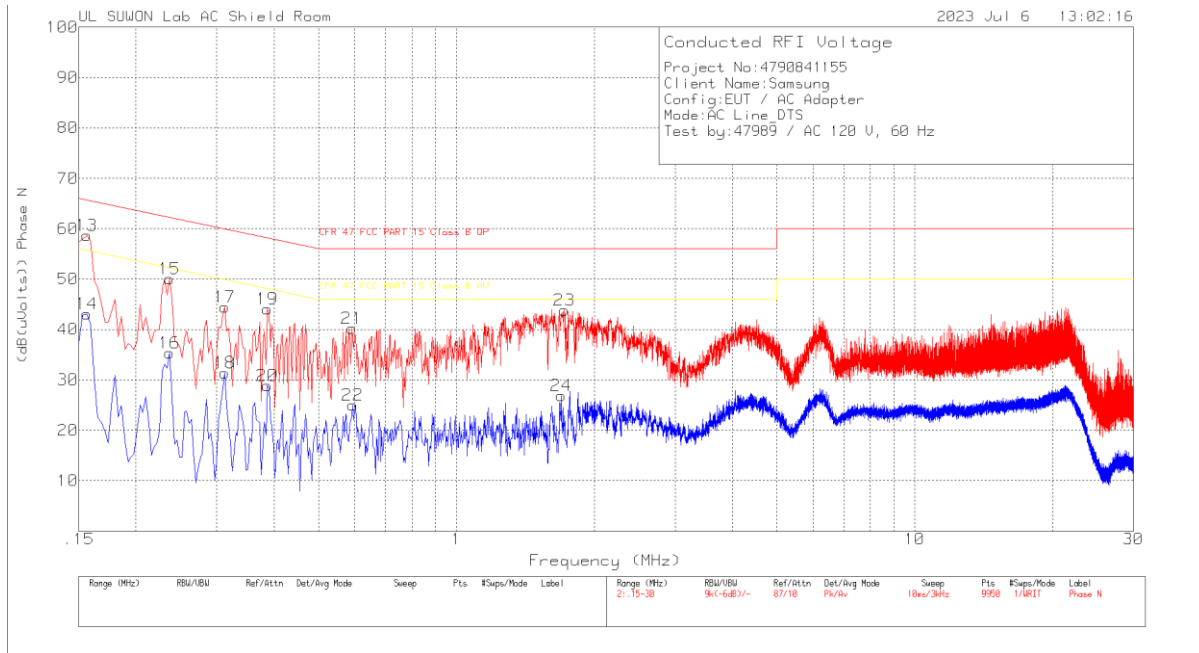
Quasi-Peak Emissions

Range 1: Phase L1 .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101836_AUT O_With 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)
.15825	36.56	Qp	9.5	.1	46.16	65.56	-19.4	-	-
.22425	31.2	Qp	9.5	.2	40.9	62.66	-21.76	-	-

Qp - Quasi-Peak detector

LINE 2 RESULTS



Trace Markers

Range 2: Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_AU TO_With 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	.156	49.01	Pk	9.5	.1	58.61	65.67	-7.06	-	-
14	.156	33.48	Av	9.5	.1	43.08	-	-	55.67	-12.59
15	.237	40.39	Pk	9.5	.2	50.09	62.2	-12.11	-	-
16	.237	25.67	Av	9.5	.2	35.37	-	-	52.2	-16.83
17	.312	34.75	Pk	9.5	.2	44.45	59.92	-15.47	-	-
18	.312	21.72	Av	9.5	.2	31.42	-	-	49.92	-18.5
19	.387	34.32	Pk	9.5	.2	44.02	58.13	-14.11	-	-
20	.387	19.19	Av	9.5	.2	28.89	-	-	48.13	-19.24
21	.591	30.45	Pk	9.6	.2	40.25	56	-15.75	-	-
22	.594	15.18	Av	9.6	.2	24.98	-	-	46	-21.02
23	1.722	33.93	Pk	9.6	.3	43.83	56	-12.17	-	-
24	1.692	16.97	Av	9.6	.3	26.87	-	-	46	-19.13

Pk - Peak detector

Av - Average detection

Quasi-Peak Emissions

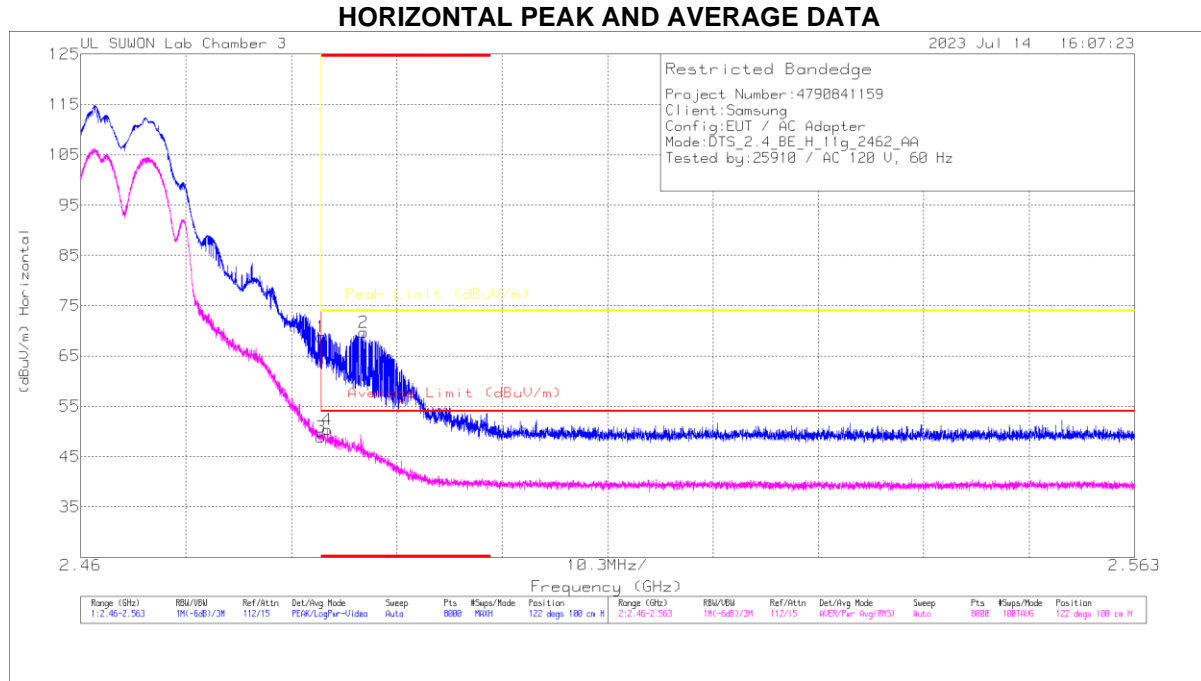
Range 2: Phase N .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101836_AUT O_With 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)
.15525	38.83	Qp	9.5	.1	48.43	65.71	-17.28	-	-
.23625	32.43	Qp	9.5	.2	42.13	62.23	-20.1	-	-

Qp - Quasi-Peak detector

12. SPOT-CHECK TEST RESULT

BANDEDGE (WORST CASE: 802.11g MIMO / 2462 MHz)

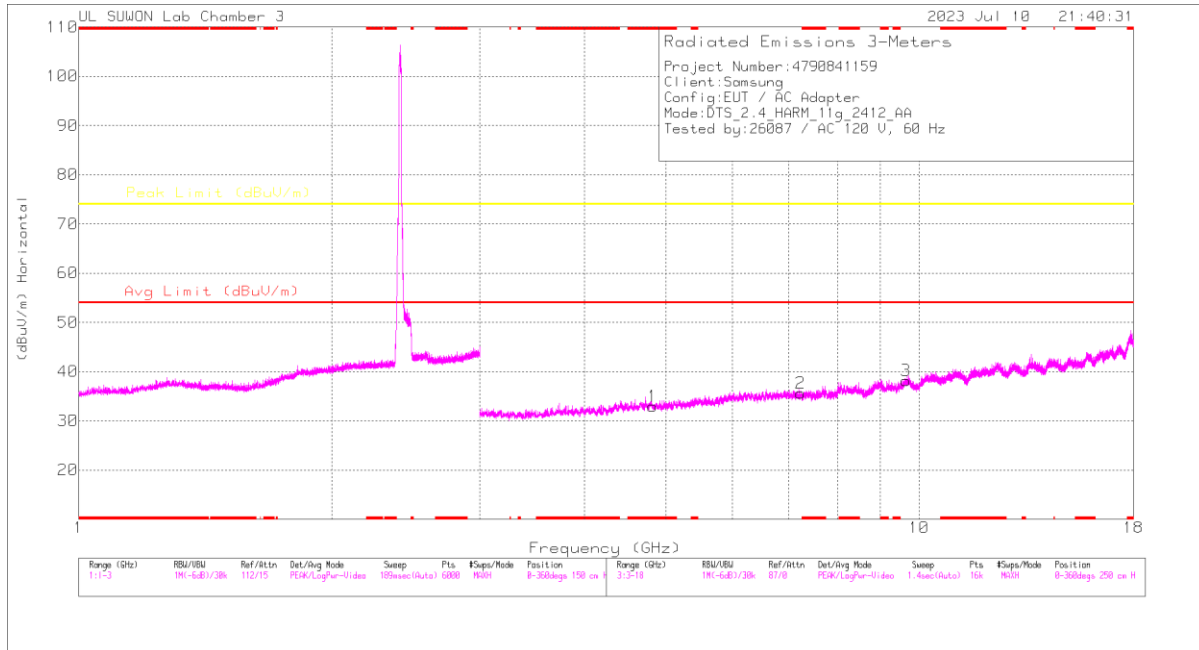


Trace Markers

Marker	Frequency (GHz)	Marker Reading (dBu/m)	Det	3117_00218957	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.42	Pk	32.4	-25	0	68.82	-	-	74	-5.18	122	100	H
2	* 2.48765	62.34	Pk	32.4	-25	0	69.74	-	-	74	-4.26	122	100	H
3	* 2.4835	41.35	RMS	32.4	-25	-16	48.91	54	-5.09	-	-	122	100	H
4	* 2.48412	42.79	RMS	32.4	-25	-16	50.35	54	-3.65	-	-	122	100	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS(WORST CASE: 802.11g / 2412 MHz)
2412 MHz HORIZONTAL



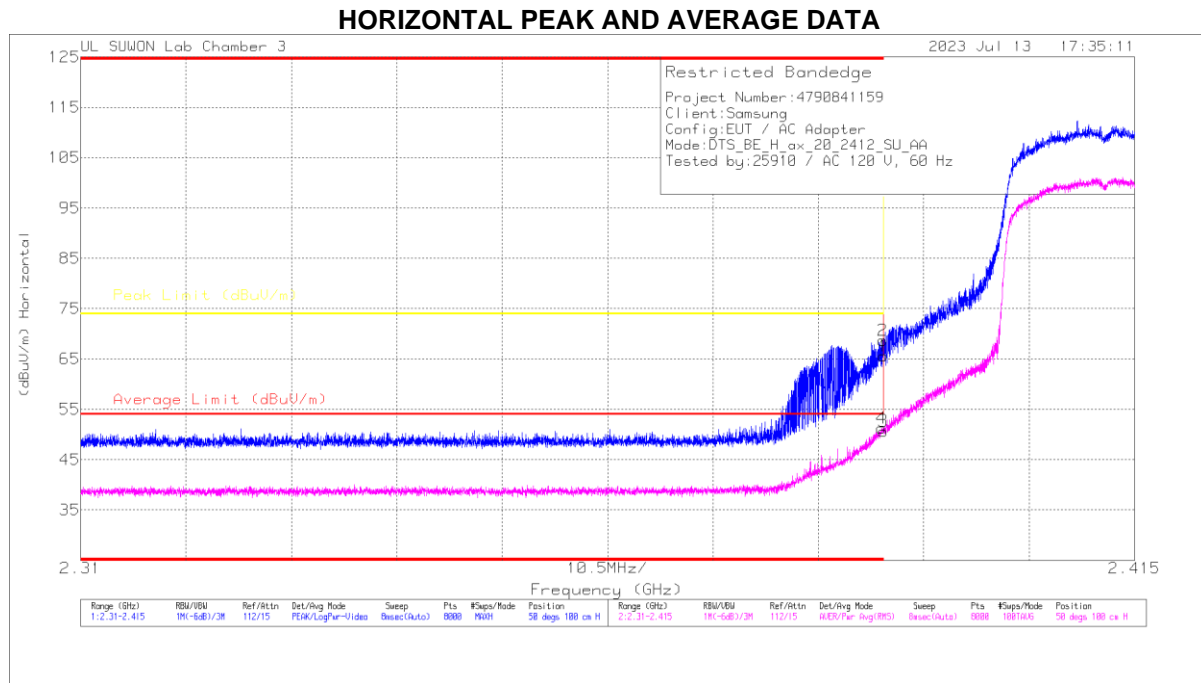
Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

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
9.65191	32.61	PK2	36.8	-21.3	0	48.11	-	-	74	-25.89	0	100	H

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

BANDEDGE (WORST CASE: 802.11ax HE20(SU) MIMO / 2412 MHz)

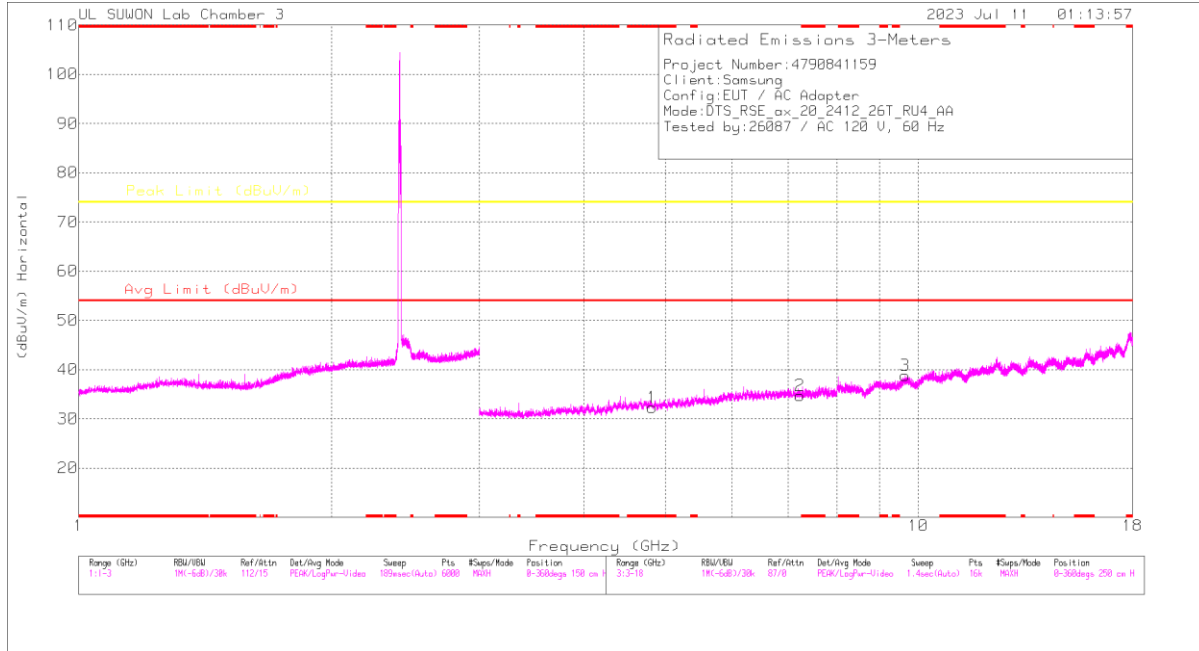


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38	58.61	PK	32.1	-25.1	0	65.61	-	-	74	-8.39	50	100	H
2	* 2.38994	61.72	PK	32.1	-25.1	0	68.72	-	-	74	-5.28	50	100	H
3	* 2.38	43.51	RMS	32.1	-25.1	.18	50.69	54	-3.31	-	-	50	100	H
4	* 2.38981	44.05	RMS	32.1	-25.1	.18	51.23	54	-2.77	-	-	50	100	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS(WORST CASE: 802.11ax HE20 RU4 MIMO / 2412 MHz)
2412 MHz HORIZONTAL



Note: Emission was scanned up to 40GHz; 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
9.6399	32.49	PK2	36.8	-21.4	0	47.89	-	-	74	-26.11	0	100	H

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

END OF TEST REPORT