

BANDEDGE TEST DATA

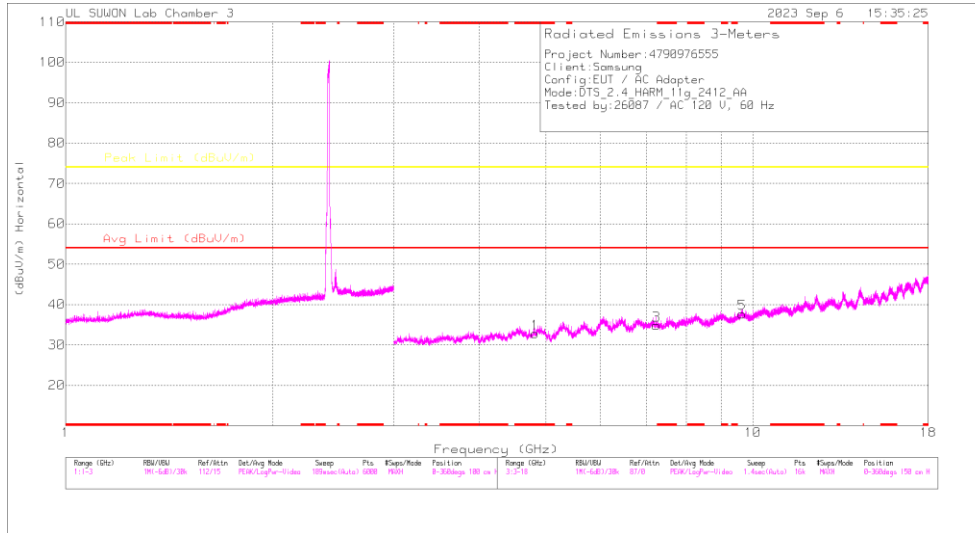
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2412	MIMO	* 2.39	56.43	Pk	32.10	-24.80	0.00	63.73	-	-	74.00	-10.27	122	140	H
		* 2.3899	58.18	Pk	32.10	-24.80	0.00	65.48	-	-	74.00	-8.52	122	140	H
		* 2.39	42.86	RMS	32.10	-24.80	0.16	50.32	54.00	-3.68	-	-	122	140	H
		* 2.38992	43.36	RMS	32.10	-24.80	0.16	50.82	54.00	-3.18	-	-	122	140	H
		* 2.39	54.86	Pk	32.10	-24.80	0.00	62.16	-	-	74.00	-11.84	181	395	V
		* 2.38996	55.95	Pk	32.10	-24.80	0.00	63.25	-	-	74.00	-10.75	181	395	V
		* 2.39	41.31	RMS	32.10	-24.80	0.16	48.77	54.00	-5.23	-	-	181	395	V
		* 2.38994	41.68	RMS	32.10	-24.80	0.16	49.14	54.00	-4.86	-	-	181	395	V
2462	MIMO	* 2.4835	57.42	Pk	32.40	-24.80	0.00	65.02	-	-	74.00	-8.98	123	134	H
		* 2.48364	59.41	Pk	32.40	-24.80	0.00	67.01	-	-	74.00	-6.99	123	134	H
		* 2.4835	44.00	RMS	32.40	-24.80	0.16	51.76	54.00	-2.24	-	-	123	134	H
		* 2.48351	44.06	RMS	32.40	-24.80	0.16	51.82	54.00	-2.18	-	-	123	134	H
		* 2.4835	48.12	Pk	32.40	-24.80	0.00	55.72	-	-	74.00	-18.28	202	368	V
		* 2.48359	49.03	Pk	32.40	-24.80	0.00	56.63	-	-	74.00	-17.37	202	368	V
		* 2.4835	36.92	RMS	32.40	-24.80	0.16	44.68	54.00	-9.32	-	-	202	368	V
		* 2.48366	37.82	RMS	32.40	-24.80	0.16	45.58	54.00	-8.42	-	-	202	368	V
2467	MIMO	* 2.4835	42.44	Pk	32.40	-24.80	0.00	50.04	-	-	74.00	-23.96	157	133	H
		2.552	44.73	Pk	32.40	-24.70	0.00	52.43	-	-	74.00	-21.57	157	133	H
		* 2.4835	32.27	RMS	32.40	-24.80	0.16	40.03	54.00	-13.97	-	-	157	133	H
		* 2.48462	33.47	RMS	32.40	-24.80	0.16	41.23	54.00	-12.77	-	-	157	133	H
		* 2.4835	41.97	Pk	32.40	-24.80	0.00	49.57	-	-	74.00	-24.43	183	366	V
		2.545	44.28	Pk	32.40	-24.60	0.00	52.08	-	-	74.00	-21.92	183	366	V
		* 2.4835	32.61	RMS	32.40	-24.80	0.16	40.37	54.00	-13.63	-	-	183	366	V
		2.537	33.28	RMS	32.40	-24.80	0.16	41.04	54.00	-12.96	-	-	183	366	V
2472	MIMO	* 2.4835	44.00	Pk	32.40	-24.80	0.00	51.60	-	-	74.00	-22.40	137	131	H
		2.511	45.19	Pk	32.40	-24.90	0.00	52.69	-	-	74.00	-21.31	137	131	H
		* 2.4835	32.64	RMS	32.40	-24.80	0.16	40.40	54.00	-13.60	-	-	137	131	H
		* 2.48366	33.32	RMS	32.40	-24.80	0.16	41.08	54.00	-12.92	-	-	137	131	H
		* 2.4835	41.95	Pk	32.40	-24.80	0.00	49.55	-	-	74.00	-24.45	216	285	V
		2.504	44.64	Pk	32.40	-24.70	0.00	52.34	-	-	74.00	-21.66	216	285	V
		* 2.4835	32.38	RMS	32.40	-24.80	0.16	40.14	54.00	-13.86	-	-	216	285	V
		2.513	33.08	RMS	32.40	-24.70	0.16	40.94	54.00	-13.06	-	-	216	285	V

Note1. Pk - Peak detector, RMS - RMS detector

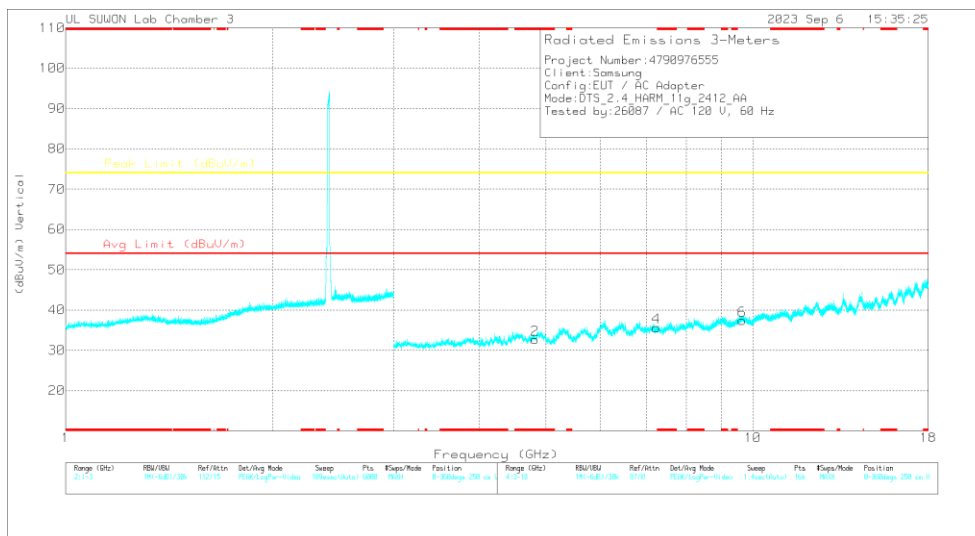
Note2. * - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

HARMONICS AND SPURIOUS EMISSIONS (WORST CASE: 1 CHANNEL)

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 ANT Factor (dB)	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
* 4.82427	39.04	PK2	34.3	-30.1	0	43.24	-	-	74	-30.76	360	100	H
* 4.82434	39	PK2	34.3	-30.1	0	43.2	-	-	74	-30.8	360	100	V
7.23694	35.92	PK2	35.8	-25.8	0	45.92	-	-	74	-28.08	360	100	H
7.23701	35.56	PK2	35.8	-25.7	0	45.66	-	-	74	-28.34	360	100	V
9.64846	34.06	PK2	36.8	-21.8	0	49.06	-	-	74	-24.94	360	100	H
9.64844	32.91	PK2	36.8	-21.8	0	47.91	-	-	74	-26.09	360	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 [dB]	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	* 4.82427	39.04	PK2	34.30	-30.10	0.00	43.24	-	-	74.00	-30.76	360	100	H
		* 4.82434	39.00	PK2	34.30	-30.10	0.00	43.20	-	-	74.00	-30.80	360	100	V
		7.237	35.92	PK2	35.80	-25.80	0.00	45.92	-	-	74.00	-28.08	360	100	H
		7.237	35.56	PK2	35.80	-25.70	0.00	45.66	-	-	74.00	-28.34	360	100	V
		9.648	34.06	PK2	36.80	-21.80	0.00	49.06	-	-	74.00	-24.94	360	100	H
		9.648	32.91	PK2	36.80	-21.80	0.00	47.91	-	-	74.00	-26.09	360	100	V
2437	MIMO	* 4.87436	39.96	PK2	34.20	-29.80	0.00	44.36	-	-	74.00	-29.64	360	100	H
		* 4.87477	39.82	PK2	34.20	-29.80	0.00	44.22	-	-	74.00	-29.78	360	100	V
		* 7.31147	35.23	PK2	35.80	-25.50	0.00	45.53	-	-	74.00	-28.47	360	100	H
		* 7.31241	34.96	PK2	35.80	-25.50	0.00	45.26	-	-	74.00	-28.74	360	100	V
		9.748	32.59	PK2	36.90	-21.60	0.00	47.89	-	-	74.00	-26.11	360	100	H
		9.748	32.39	PK2	36.90	-21.60	0.00	47.69	-	-	74.00	-26.31	360	100	V
2462	MIMO	* 4.92463	40.37	PK2	34.20	-30.00	0.00	44.57	-	-	74.00	-29.43	360	100	H
		* 4.92459	39.88	PK2	34.20	-30.00	0.00	44.08	-	-	74.00	-29.92	360	100	V
		* 7.38678	34.39	PK2	35.70	-25.30	0.00	44.79	-	-	74.00	-29.21	360	100	H
		* 7.38705	34.69	PK2	35.70	-25.30	0.00	45.09	-	-	74.00	-28.91	360	100	V
		9.849	31.98	PK2	37.10	-21.40	0.00	47.68	-	-	74.00	-26.32	360	100	H
		9.849	31.81	PK2	37.10	-21.40	0.00	47.51	-	-	74.00	-26.49	360	100	V

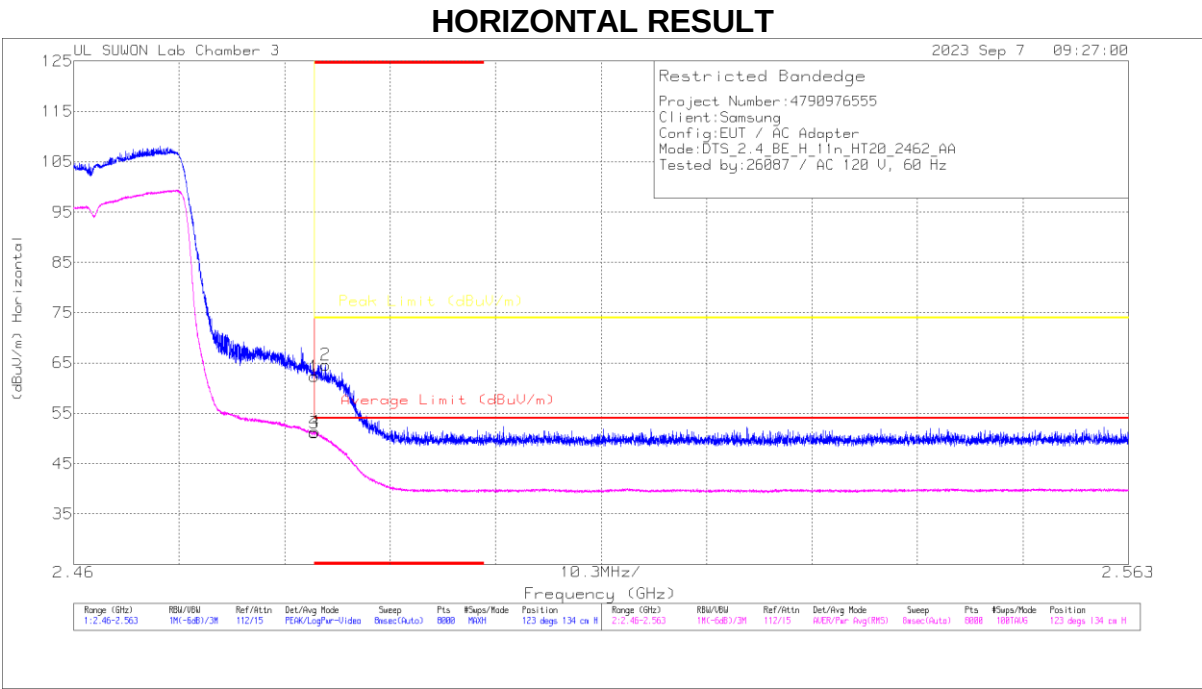
Note1. PK2 - KDB558074 Method: Maximum Peak / MAV1 - KDB558074 Option 1 Maximum RMS Average

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

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

2TX Antenna 1 + Antenna 2

BANDEDGE (WORST CASE: 11 CHANNEL)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957 ANT Factor (dB)	10dB_ATT path loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	54.73	Pk	32.4	-24.8	0	62.33	-	-	74	-11.67	123	134	H
2	* 2.4846	57.05	Pk	32.4	-24.8	0	64.65	-	-	74	-9.35	123	134	H
3	* 2.4835	43.41	RMS	32.4	-24.8	0	51.01	54	-2.99	-	-	123	134	H
4	* 2.48353	43.63	RMS	32.4	-24.8	0	51.23	54	-2.77	-	-	123	134	H

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

BANDEDGE TEST DATA

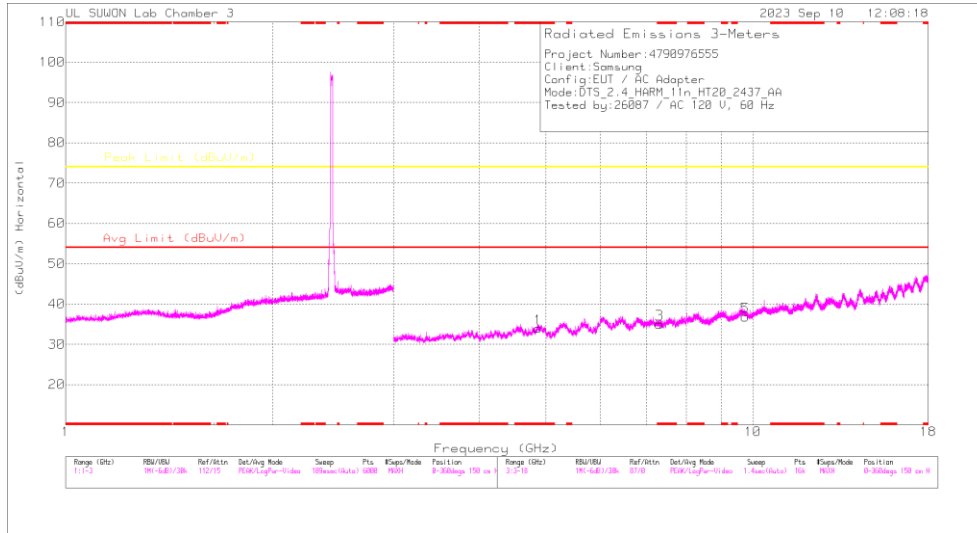
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2412	MIMO	* 2.39	57.39	Pk	32.10	-24.80	0.00	64.69	-	-	74.00	-9.31	119	100	H
		* 2.38992	58.85	Pk	32.10	-24.80	0.00	66.15	-	-	74.00	-7.85	119	100	H
		* 2.39	43.47	RMS	32.10	-24.80	0.00	50.77	54.00	-3.23	-	-	119	100	H
		* 2.38983	43.69	RMS	32.10	-24.80	0.00	50.99	54.00	-3.01	-	-	119	100	H
		* 2.39	53.73	Pk	32.10	-24.80	0.00	61.03	-	-	74.00	-12.97	206	388	V
		* 2.38938	55.78	Pk	32.10	-24.80	0.00	63.08	-	-	74.00	-10.92	206	388	V
		* 2.39	40.47	RMS	32.10	-24.80	0.00	47.77	54.00	-6.23	-	-	206	388	V
		* 2.38992	41.64	RMS	32.10	-24.80	0.00	48.94	54.00	-5.06	-	-	206	388	V
		* 2.4835	50.78	Pk	32.40	-24.80	0.00	58.38	-	-	74.00	-15.62	122	135	H
		* 2.48378	52.20	Pk	32.40	-24.80	0.00	59.80	-	-	74.00	-14.20	122	135	H
2457	MIMO	* 2.4835	39.15	RMS	32.40	-24.80	0.00	46.75	54.00	-7.25	-	-	122	135	H
		* 2.48353	39.38	RMS	32.40	-24.80	0.00	46.98	54.00	-7.02	-	-	122	135	H
		* 2.4835	46.82	Pk	32.40	-24.80	0.00	54.42	-	-	74.00	-19.58	183	369	V
		* 2.4842	48.66	Pk	32.40	-24.80	0.00	56.26	-	-	74.00	-17.74	183	369	V
		* 2.4835	35.88	RMS	32.40	-24.80	0.00	43.48	54.00	-10.52	-	-	183	369	V
		* 2.48389	36.71	RMS	32.40	-24.80	0.00	44.31	54.00	-9.69	-	-	183	369	V
		* 2.4835	54.73	Pk	32.40	-24.80	0.00	62.33	-	-	74.00	-11.67	123	134	H
		* 2.4846	57.05	Pk	32.40	-24.80	0.00	64.65	-	-	74.00	-9.35	123	134	H
		* 2.4835	43.41	RMS	32.40	-24.80	0.00	51.01	54.00	-2.99	-	-	123	134	H
		* 2.48353	43.63	RMS	32.40	-24.80	0.00	51.23	54.00	-2.77	-	-	123	134	H
2462	MIMO	* 2.4835	49.16	Pk	32.40	-24.80	0.00	56.76	-	-	74.00	-17.24	202	365	V
		* 2.48454	51.59	Pk	32.40	-24.80	0.00	59.19	-	-	74.00	-14.81	202	365	V
		* 2.4835	38.33	RMS	32.40	-24.80	0.00	45.93	54.00	-8.07	-	-	202	365	V
		* 2.48371	39.24	RMS	32.40	-24.80	0.00	46.84	54.00	-7.16	-	-	202	365	V
		* 2.4835	43.12	Pk	32.40	-24.80	0.00	50.72	-	-	74.00	-23.28	139	158	H
		2.532	44.92	Pk	32.40	-24.80	0.00	52.52	-	-	74.00	-21.48	139	158	H
		* 2.4835	32.57	RMS	32.40	-24.80	0.00	40.17	54.00	-13.83	-	-	139	158	H
		* 2.48579	33.23	RMS	32.40	-24.80	0.00	40.83	54.00	-13.17	-	-	139	158	H
		* 2.4835	42.73	Pk	32.40	-24.80	0.00	50.33	-	-	74.00	-23.67	207	103	V
		* 2.48467	44.73	Pk	32.40	-24.80	0.00	52.33	-	-	74.00	-21.67	207	103	V
2472	MIMO	* 2.4835	32.47	RMS	32.40	-24.80	0.00	40.07	54.00	-13.93	-	-	207	103	V
		2.505	33.11	RMS	32.40	-24.70	0.00	40.81	54.00	-13.19	-	-	207	103	V
		* 2.4835	45.94	Pk	32.40	-24.80	0.00	53.54	-	-	74.00	-20.46	142	132	H
		2.555	45.48	Pk	32.40	-24.70	0.00	53.18	-	-	74.00	-20.82	142	132	H
		* 2.4835	33.31	RMS	32.40	-24.80	0.00	40.91	54.00	-13.09	-	-	142	132	H
		* 2.4836	33.81	RMS	32.40	-24.80	0.00	41.41	54.00	-12.59	-	-	142	132	H
		* 2.4835	42.88	Pk	32.40	-24.80	0.00	50.48	-	-	74.00	-23.52	206	103	V
		2.522	44.85	Pk	32.40	-24.90	0.00	52.35	-	-	74.00	-21.65	206	103	V
		* 2.4835	32.36	RMS	32.40	-24.80	0.00	39.96	54.00	-14.04	-	-	206	103	V
		2.554	33.68	RMS	32.40	-24.60	0.00	41.48	54.00	-12.52	-	-	206	103	V

Note1. Pk - Peak detector, RMS - RMS detector

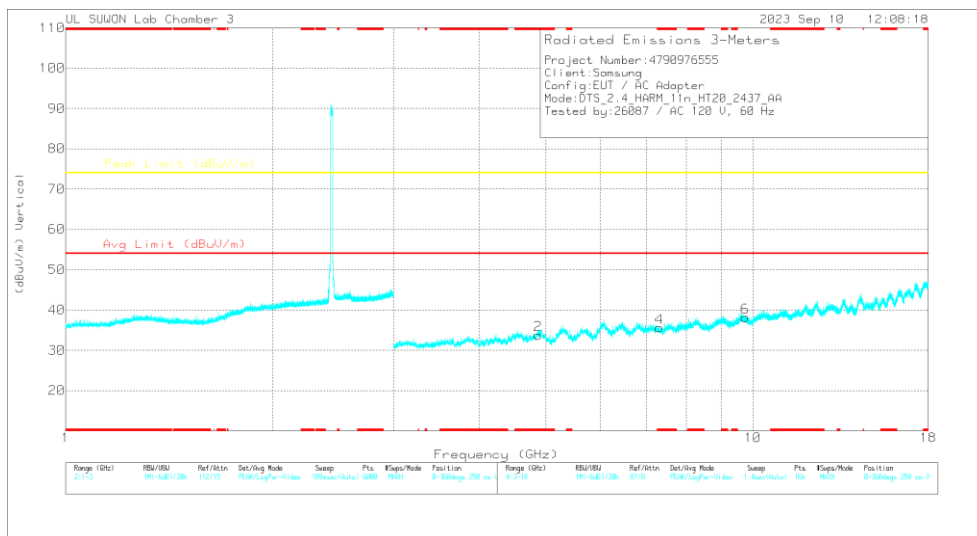
Note2. * - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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 ANT Factor (dB)	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
* 4.87423	40.48	PK2	34.2	-29.8	0	44.88	-	-	74	-29.12	0	100	H
* 4.87403	40.34	PK2	34.2	-29.8	0	44.74	-	-	74	-29.26	0	100	V
* 7.31184	35.34	PK2	35.8	-25.5	0	45.64	-	-	74	-28.36	0	100	H
* 7.31203	35.4	PK2	35.8	-25.5	0	45.7	-	-	74	-28.3	0	100	V
9.74868	32.51	PK2	36.9	-21.6	0	47.81	-	-	74	-26.19	0	100	H
9.74834	32.99	PK2	36.9	-21.6	0	48.29	-	-	74	-25.71	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 [dB]	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
2417	MIMO	* 4.83482	39.20	PK2	34.20	-30.00	0.00	43.40	-	-	74.00	-30.60	0	100	H
		* 4.83461	39.26	PK2	34.20	-30.00	0.00	43.46	-	-	74.00	-30.54	0	100	V
		* 7.25163	35.55	PK2	35.80	-25.70	0.00	45.65	-	-	74.00	-28.35	0	100	H
		* 7.25178	35.62	PK2	35.80	-25.70	0.00	45.72	-	-	74.00	-28.28	0	100	V
		9.669	32.71	PK2	36.80	-21.70	0.00	47.81	-	-	74.00	-26.19	0	100	H
		9.669	32.55	PK2	36.80	-21.70	0.00	47.65	-	-	74.00	-26.35	0	100	V
2437	MIMO	* 4.87423	40.48	PK2	34.20	-29.80	0.00	44.88	-	-	74.00	-29.12	0	100	H
		* 4.87403	40.34	PK2	34.20	-29.80	0.00	44.74	-	-	74.00	-29.26	0	100	V
		* 7.31184	35.34	PK2	35.80	-25.50	0.00	45.64	-	-	74.00	-28.36	0	100	H
		* 7.31203	35.40	PK2	35.80	-25.50	0.00	45.70	-	-	74.00	-28.30	0	100	V
		9.749	32.51	PK2	36.90	-21.60	0.00	47.81	-	-	74.00	-26.19	0	100	H
		9.748	32.99	PK2	36.90	-21.60	0.00	48.29	-	-	74.00	-25.71	0	100	V
2457	MIMO	* 4.91439	40.36	PK2	34.20	-29.90	0.00	44.66	-	-	74.00	-29.34	0	100	H
		* 4.91466	40.15	PK2	34.20	-29.90	0.00	44.45	-	-	74.00	-29.55	0	100	V
		* 7.37189	35.08	PK2	35.80	-25.50	0.00	45.38	-	-	74.00	-28.62	0	100	H
		* 7.37163	34.85	PK2	35.80	-25.50	0.00	45.15	-	-	74.00	-28.85	0	100	V
		9.828	32.04	PK2	37.10	-21.50	0.00	47.64	-	-	74.00	-26.36	0	100	H
		9.828	32.12	PK2	37.10	-21.50	0.00	47.72	-	-	74.00	-26.28	0	100	V

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

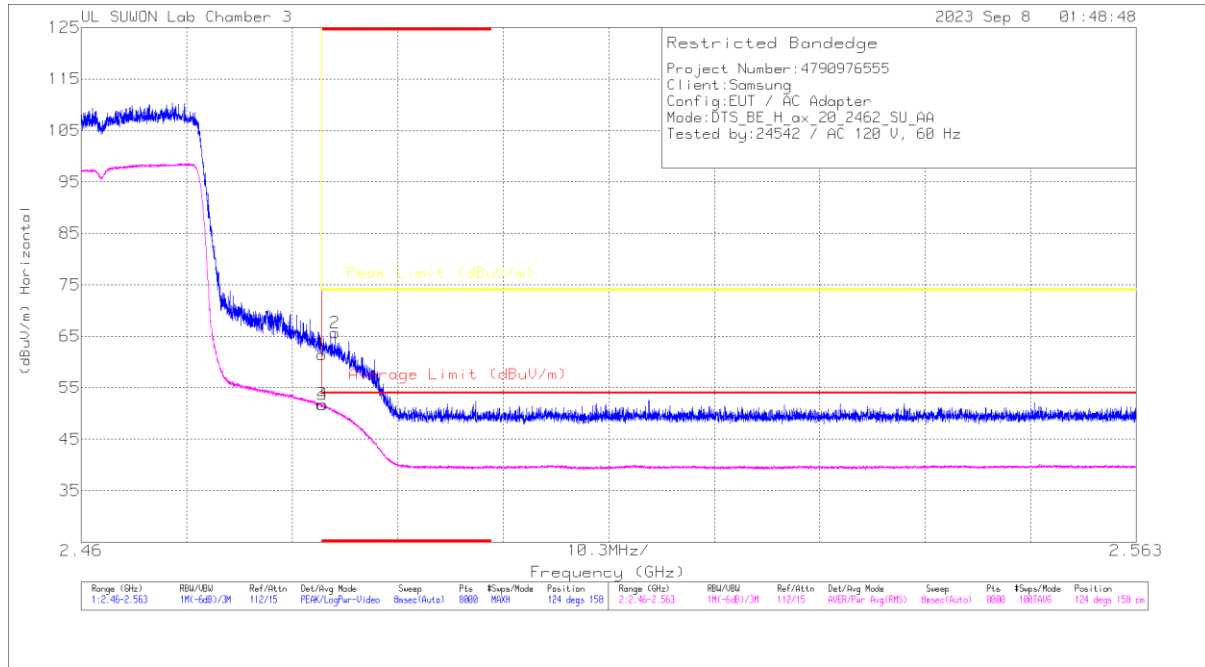
Note2. * - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

2TX Antenna 1 + Antenna 2

BANDEDGE (11 CHANNEL, SU)

HORIZONTAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957 ANT Factor (dB)	10dB_ATT Path loss (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	53.83	PK	32.4	-24.8	0	61.43	-	-	74	-12.57	124	158	H
2	* 2.48476	58.06	PK	32.4	-24.8	0	65.68	-	-	74	-8.32	124	158	H
3	* 2.4835	44.17	RMS	32.4	-24.8	0	51.77	54	-2.23	-	-	124	158	H
4	* 2.48358	44.15	RMS	32.4	-24.8	0	51.75	54	-2.25	-	-	124	158	H

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

PK - Peak detector

RMS - RMS detection

BANDEDGE TEST DATA

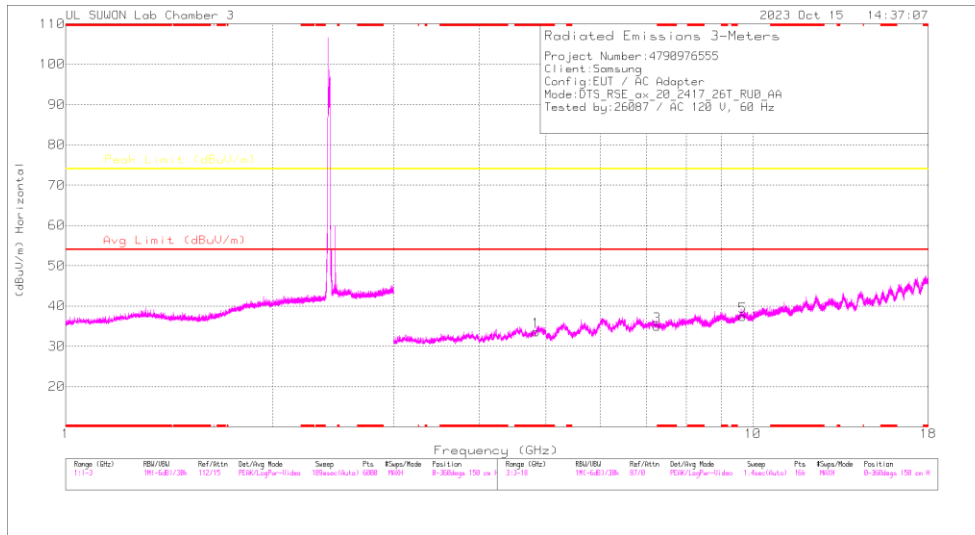
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2412 0RU	MIMO	* 2.39	46.67	Pk	32.10	-24.80	0.00	53.97	-	-	74.00	-20.03	126	101	H
		* 2.38997	49.92	Pk	32.10	-24.80	0.00	57.22	-	-	74.00	-16.78	126	101	H
		* 2.39	32.87	RMS	32.10	-24.80	0.00	40.17	54.00	-13.83	-	-	126	100	H
		* 2.38941	33.01	RMS	32.10	-24.80	0.00	40.31	54.00	-13.69	-	-	126	100	H
		* 2.39	44.31	Pk	32.10	-24.80	0.00	51.61	-	-	74.00	-22.39	192	394	V
		* 2.38737	46.79	Pk	32.10	-24.80	0.00	54.09	-	-	74.00	-19.91	192	394	V
		* 2.39	32.97	RMS	32.10	-24.80	0.00	40.27	54.00	-13.73	-	-	192	394	V
		* 2.38896	33.22	RMS	32.10	-24.80	0.00	40.52	54.00	-13.48	-	-	192	394	V
2412 SU	MIMO	* 2.39	55.54	Pk	32.10	-24.80	0.00	62.84	-	-	74.00	-11.16	123	124	H
		* 2.38997	58.61	Pk	32.10	-24.80	0.00	65.91	-	-	74.00	-8.09	123	124	H
		* 2.39	43.56	RMS	32.10	-24.80	0.00	50.86	54.00	-3.14	-	-	123	124	H
		* 2.3899	43.62	RMS	32.10	-24.80	0.00	50.92	54.00	-3.08	-	-	123	124	H
		* 2.39	51.73	Pk	32.10	-24.80	0.00	59.03	-	-	74.00	-14.97	182	395	V
		* 2.38996	56.04	Pk	32.10	-24.80	0.00	63.34	-	-	74.00	-10.66	182	395	V
		* 2.39	41.34	RMS	32.10	-24.80	0.00	48.64	54.00	-5.36	-	-	182	395	V
		* 2.38994	42.16	RMS	32.10	-24.80	0.00	49.46	54.00	-4.54	-	-	182	395	V
2457 SU	MIMO	* 2.4835	51.69	Pk	32.40	-24.80	0.00	59.29	-	-	74.00	-14.71	125	157	H
		* 2.48387	52.81	Pk	32.40	-24.80	0.00	60.41	-	-	74.00	-13.59	125	157	H
		* 2.4835	40.29	RMS	32.40	-24.80	0.00	47.89	54.00	-6.11	-	-	125	157	H
		* 2.48371	40.35	RMS	32.40	-24.80	0.00	47.95	54.00	-6.05	-	-	125	157	H
		* 2.4835	46.79	Pk	32.40	-24.80	0.00	54.39	-	-	74.00	-19.61	188	368	V
		* 2.48381	49.34	Pk	32.40	-24.80	0.00	56.94	-	-	74.00	-17.06	188	368	V
		* 2.4835	35.57	RMS	32.40	-24.80	0.00	43.17	54.00	-10.83	-	-	188	368	V
		* 2.48363	36.35	RMS	32.40	-24.80	0.00	43.95	54.00	-10.05	-	-	188	368	V
2462 SU	MIMO	* 2.4835	53.83	Pk	32.40	-24.80	0.00	61.43	-	-	74.00	-12.57	124	158	H
		* 2.48476	58.08	Pk	32.40	-24.80	0.00	65.68	-	-	74.00	-8.32	124	158	H
		* 2.4835	44.17	RMS	32.40	-24.80	0.00	51.77	54.00	-2.23	-	-	124	158	H
		* 2.48358	44.15	RMS	32.40	-24.80	0.00	51.75	54.00	-2.25	-	-	124	158	H
		* 2.4835	47.35	Pk	32.40	-24.80	0.00	54.95	-	-	74.00	-19.05	191	101	V
		* 2.48372	49.27	Pk	32.40	-24.80	0.00	56.87	-	-	74.00	-17.13	191	101	V
		* 2.4835	36.62	RMS	32.40	-24.80	0.00	44.22	54.00	-9.78	-	-	191	100	V
		* 2.4836	37.56	RMS	32.40	-24.80	0.00	45.16	54.00	-8.84	-	-	191	100	V
2467 SU	MIMO	* 2.4835	44.06	Pk	32.40	-24.80	0.00	51.66	-	-	74.00	-22.34	125	132	H
		* 2.48411	44.71	Pk	32.40	-24.80	0.00	52.31	-	-	74.00	-21.69	125	132	H
		* 2.4835	32.44	RMS	32.40	-24.80	0.00	40.04	54.00	-13.96	-	-	125	132	H
		* 2.48472	33.36	RMS	32.40	-24.80	0.00	40.96	54.00	-13.04	-	-	125	132	H
		* 2.4835	42.99	Pk	32.40	-24.80	0.00	50.59	-	-	74.00	-23.41	183	285	V
		* 2.539	45.12	Pk	32.40	-24.70	0.00	52.82	-	-	74.00	-21.18	183	285	V
		* 2.4835	32.46	RMS	32.40	-24.80	0.00	40.06	54.00	-13.94	-	-	183	285	V
		* 2.48471	33.48	RMS	32.40	-24.80	0.00	41.08	54.00	-12.92	-	-	183	285	V
2472 SU	MIMO	* 2.4835	47.64	Pk	32.40	-24.80	0.00	55.24	-	-	74.00	-18.76	167	132	H
		* 2.48359	48.23	Pk	32.40	-24.80	0.00	55.83	-	-	74.00	-18.17	167	132	H
		* 2.4835	33.63	RMS	32.40	-24.80	0.00	41.23	54.00	-12.77	-	-	167	132	H
		* 2.48359	33.70	RMS	32.40	-24.80	0.00	41.30	54.00	-12.70	-	-	167	132	H
		* 2.4835	43.70	Pk	32.40	-24.80	0.00	51.30	-	-	74.00	-22.70	189	101	V
		* 2.532	44.79	Pk	32.40	-24.80	0.00	52.39	-	-	74.00	-21.61	189	101	V
		* 2.4835	32.32	RMS	32.40	-24.80	0.00	39.92	54.00	-14.08	-	-	189	101	V
		* 2.48375	33.31	RMS	32.40	-24.80	0.00	40.91	54.00	-13.09	-	-	189	101	V
2472 8RU	MIMO	* 2.4835	54.21	Pk	32.40	-24.80	0.00	61.81	-	-	74.00	-12.19	128	131	H
		* 2.48354	54.97	Pk	32.40	-24.80	0.00	62.57	-	-	74.00	-11.43	128	131	H
		* 2.4835	36.50	RMS	32.40	-24.80	0.00	44.10	54.00	-9.90	-	-	128	131	H
		* 2.48363	36.80	RMS	32.40	-24.80	0.00	44.40	54.00	-9.60	-	-	128	131	H
		* 2.39	51.73	Pk	32.10	-24.80	0.00	59.03	-	-	74.00	-14.97	182	395	V
		* 2.38996	56.04	Pk	32.10	-24.80	0.00	63.34	-	-	74.00	-10.66	182	395	V
		* 2.39	41.34	RMS	32.10	-24.80	0.00	48.64	54.00	-5.36	-	-	182	395	V
		* 2.38994	42.16	RMS	32.10	-24.80	0.00	49.46	54.00	-4.54	-	-	182	395	V

Note1. Pk - Peak detector, RMS - RMS detector

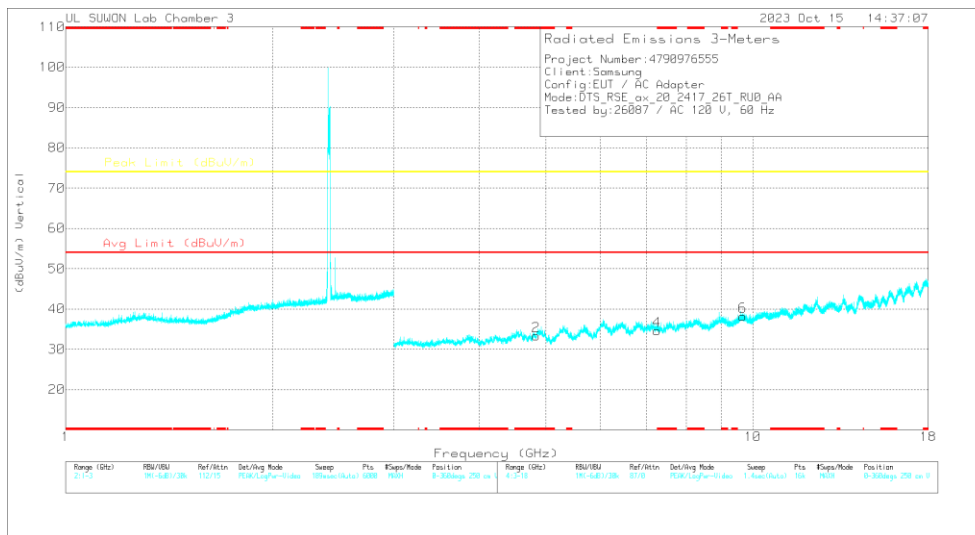
Note2. * - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

HARMONICS AND SPURIOUS EMISSIONS (WORST CASE: 2 CHANNEL, 0RU)

CH 2 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 ANT Factor (dB)	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
* 4.83499	39.08	PK2	34.2	-30	0	43.28	-	-	74	-30.72	0	100	H
* 4.83496	39.05	PK2	34.2	-30	0	43.25	-	-	74	-30.75	0	100	V
* 7.25171	35.14	PK2	35.8	-25.7	0	45.24	-	-	74	-28.76	0	100	H
* 7.25197	35.28	PK2	35.8	-25.7	0	45.38	-	-	74	-28.62	0	100	V
9.66866	33.4	PK2	36.8	-21.7	0	48.5	-	-	74	-25.5	0	100	H
9.66895	32.88	PK2	36.8	-21.7	0	47.98	-	-	74	-26.02	0	100	V

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

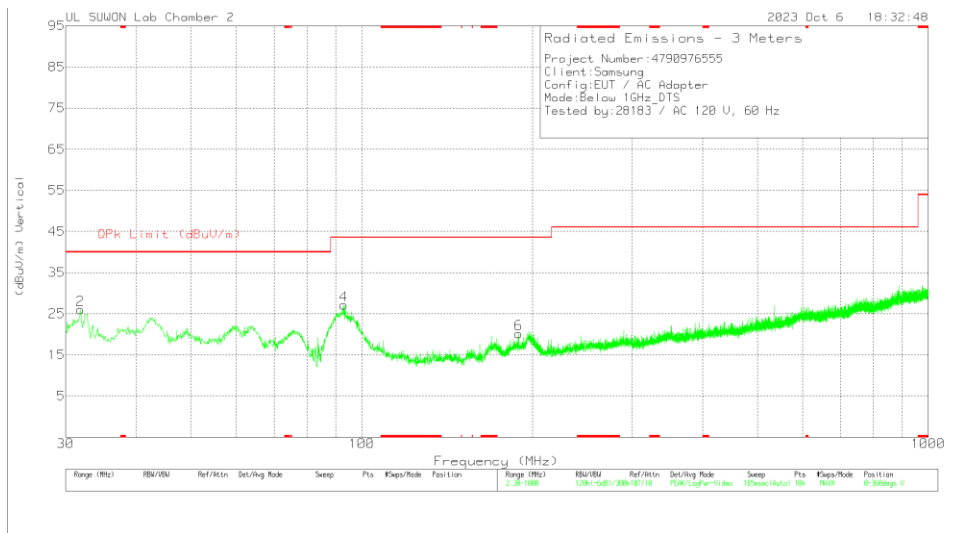
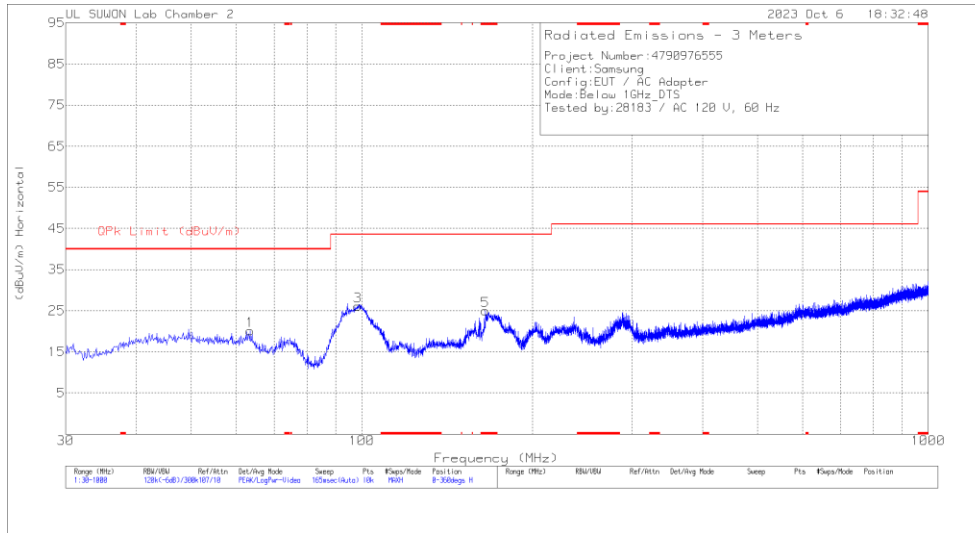
HARMONICS AND SPURIOUS EMISSIONS TEST DATA

Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB]	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
2417 RU0	MIMO	* 4.83499	39.08	PK2	34.20	-30.00	0.00	43.28	-	-	74.00	-30.72	0	100	H
		* 4.83496	39.05	PK2	34.20	-30.00	0.00	43.25	-	-	74.00	-30.75	0	100	V
		* 7.25171	35.14	PK2	35.80	-25.70	0.00	45.24	-	-	74.00	-28.76	0	100	H
		* 7.25197	35.28	PK2	35.80	-25.70	0.00	45.38	-	-	74.00	-28.62	0	100	V
		9.669	33.40	PK2	36.80	-21.70	0.00	48.50	-	-	74.00	-25.50	0	100	H
		9.669	32.88	PK2	36.80	-21.70	0.00	47.98	-	-	74.00	-26.02	0	100	V
2437 RU0	MIMO	* 4.87653	40.19	PK2	34.20	-29.90	0.00	44.49	-	-	74.00	-29.51	0	100	H
		* 4.87904	40.36	PK2	34.20	-29.90	0.00	44.66	-	-	74.00	-29.34	0	100	V
		* 7.31581	35.64	PK2	35.80	-25.50	0.00	45.94	-	-	74.00	-28.06	0	100	H
		* 7.31262	34.96	PK2	35.80	-25.50	0.00	45.26	-	-	74.00	-28.74	0	100	V
		9.744	32.76	PK2	36.90	-21.60	0.00	48.06	-	-	74.00	-25.94	0	100	H
		9.747	32.49	PK2	36.90	-21.60	0.00	47.79	-	-	74.00	-26.21	0	100	V
2457 RU0	MIMO	* 4.91472	39.79	PK2	34.20	-29.90	0.00	44.09	-	-	74.00	-29.91	0	100	H
		* 4.91447	39.82	PK2	34.20	-29.90	0.00	44.12	-	-	74.00	-29.88	0	100	V
		* 7.3719	35.24	PK2	35.80	-25.50	0.00	45.54	-	-	74.00	-28.46	0	100	H
		* 7.37173	34.92	PK2	35.80	-25.50	0.00	45.22	-	-	74.00	-28.78	0	100	V
		9.828	32.22	PK2	37.10	-21.50	0.00	47.82	-	-	74.00	-26.18	0	100	H
		9.828	31.80	PK2	37.10	-21.50	0.00	47.40	-	-	74.00	-26.60	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



Below 1GHz DATA

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749 ANT Factor (dB)	Below_1G Path loss(dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	63.562	33.93	Pk	17.7	-31.5	20.13	40	-19.87	0-360	300	H
3	98.385	40.2	Pk	17.2	-31.3	26.1	43.52	-17.42	0-360	100	H
5	* 165.412	41.28	Pk	14.5	-30.8	24.98	43.52	-18.54	0-360	100	H
2	31.843	42.34	Pk	15.5	-31.9	25.94	40	-14.06	0-360	100	V
4	93.05	42.05	Pk	16.3	-31.2	27.15	43.52	-16.37	0-360	100	V
6	189.08	34.56	Pk	16.3	-30.7	20.16	43.52	-23.36	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.

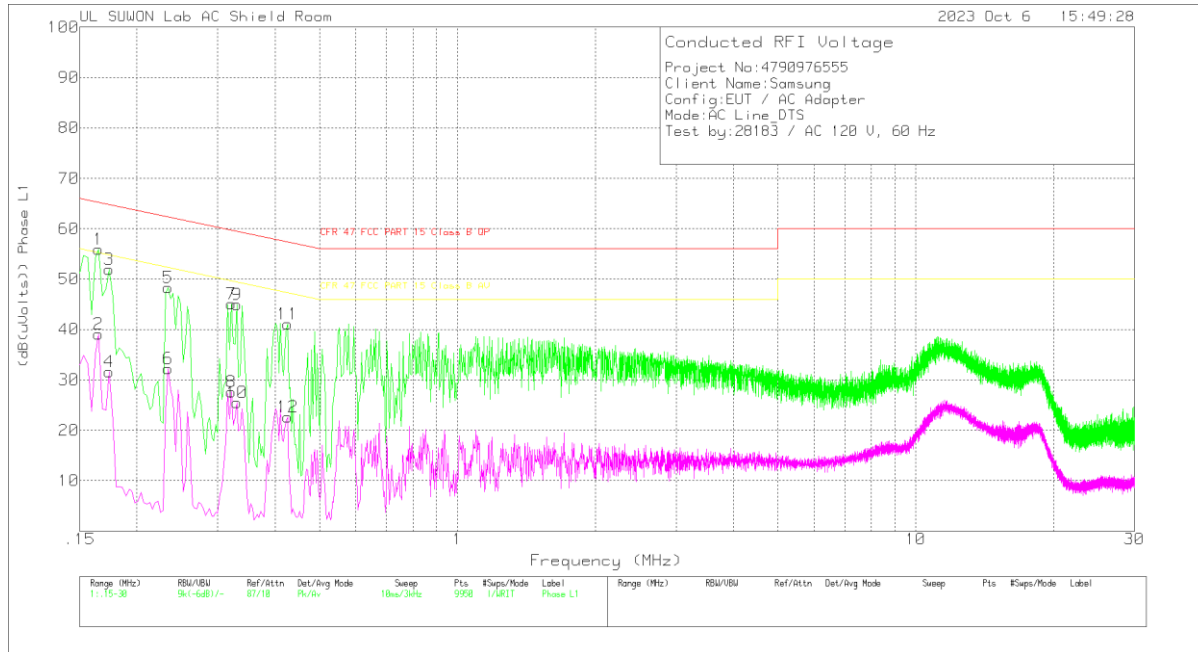
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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_AU TO_With EX_L1[dB]	CABLELOS S[dB]	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP (dB(uVolts))	Margin (dB)	CFR 47 FCC PART 15 Class B AV (dB(uVolts))	Margin (dB)
1	.165	46.32	Pk	9.5	.1	55.92	65.21	-9.29	-	-
2	.165	29.46	Av	9.5	.1	39.06	-	-	55.21	-16.15
3	.174	42.27	Pk	9.5	.2	51.97	64.77	-12.8	-	-
4	.174	21.87	Av	9.5	.2	31.57	-	-	54.77	-23.2
5	.234	38.59	Pk	9.5	.2	48.29	62.31	-14.02	-	-
6	.234	22.54	Av	9.5	.2	32.24	-	-	52.31	-20.07
7	.321	35.38	Pk	9.5	.2	45.08	59.68	-14.6	-	-
8	.321	17.92	Av	9.5	.2	27.62	-	-	49.68	-22.06
9	.33	35.22	Pk	9.5	.2	44.92	59.45	-14.53	-	-
10	.33	15.8	Av	9.5	.2	25.5	-	-	49.45	-23.95
11	.426	31.39	Pk	9.5	.2	41.09	57.33	-16.24	-	-
12	.426	12.95	Av	9.5	.2	22.65	-	-	47.33	-24.68

Pk - Peak detector

Av - Average detection

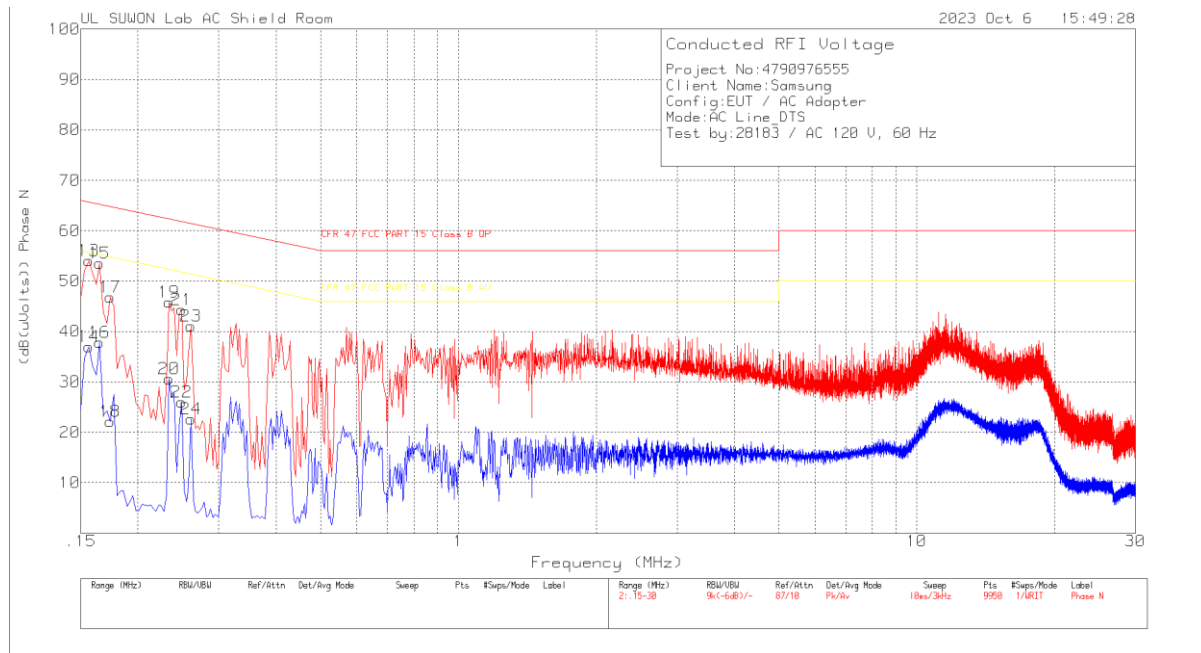
Quasi-Peak Emissions

Range 1: Phase L1 .15 - 30MHz

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 (dB(uVolts))	Margin (dB)	CFR 47 FCC PART 15 Class B AV (dB(uVolts))	Margin (dB)
.16575	11.99	Qp	9.5	.1	21.59	65.17	-43.58	-	-

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 (dB(uVolts))	Margin (dB)	CFR 47 FCC PART 15 Class B AV (dB(uVolts))	Margin (dB)
13	.156	44.42	Pk	9.5	.1	54.02	65.67	-11.65	-	-
14	.156	27.41	Av	9.5	.1	37.01	-	-	55.67	-18.66
15	.165	43.92	Pk	9.5	.1	53.52	65.21	-11.69	-	-
16	.165	28.23	Av	9.5	.1	37.83	-	-	55.21	-17.38
17	.174	37.12	Pk	9.5	.2	46.82	64.77	-17.95	-	-
18	.174	12.4	Av	9.5	.2	22.1	-	-	54.77	-32.67
19	.234	36.16	Pk	9.5	.2	45.86	62.31	-16.45	-	-
20	.234	20.92	Av	9.5	.2	30.62	-	-	52.31	-21.69
21	.249	34.57	Pk	9.5	.2	44.27	61.79	-17.52	-	-
22	.249	16.36	Av	9.5	.2	26.06	-	-	51.79	-25.73
23	.261	31.43	Pk	9.5	.2	41.13	61.4	-20.27	-	-
24	.261	12.98	Av	9.5	.2	22.68	-	-	51.4	-28.72

Pk - Peak detector

Av - Average detection

END OF TEST REPORT