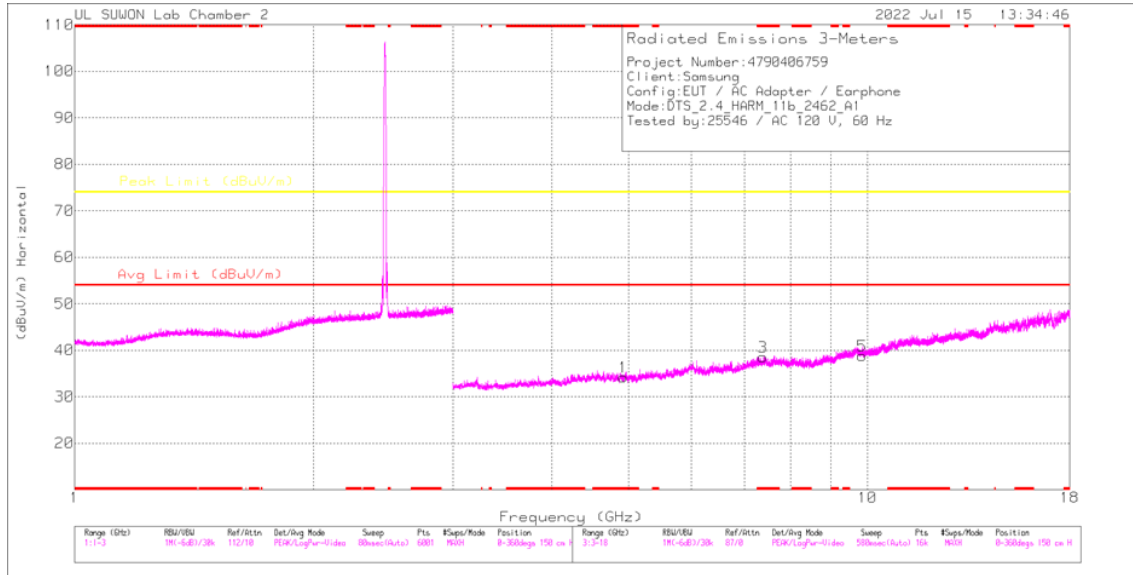
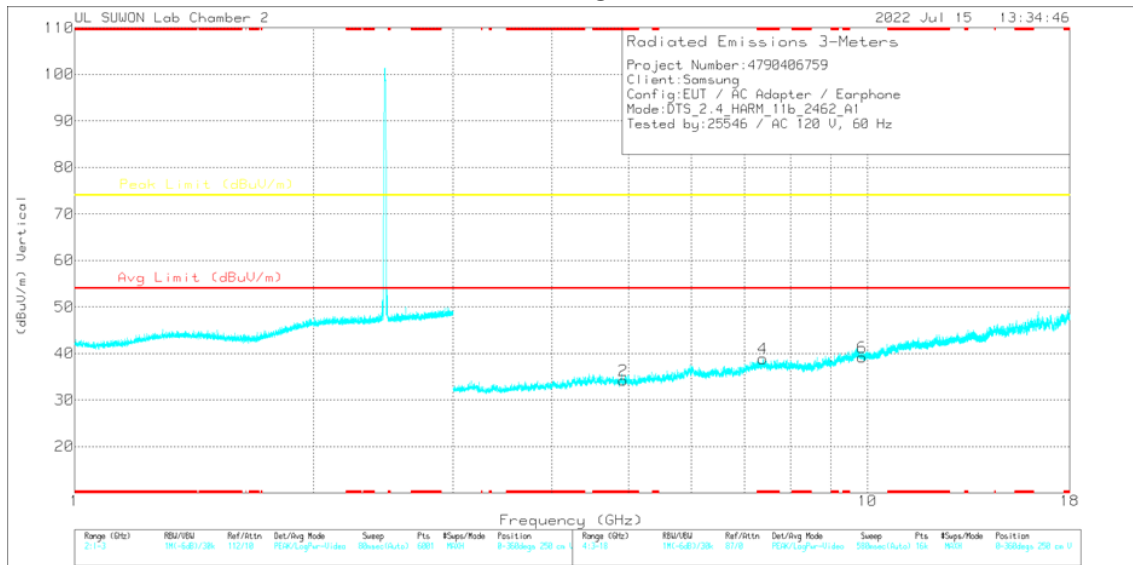


HARMONICS AND SPURIOUS EMISSIONS (ANT1 WORST CASE: 11 CHANNEL) RESULTS

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.

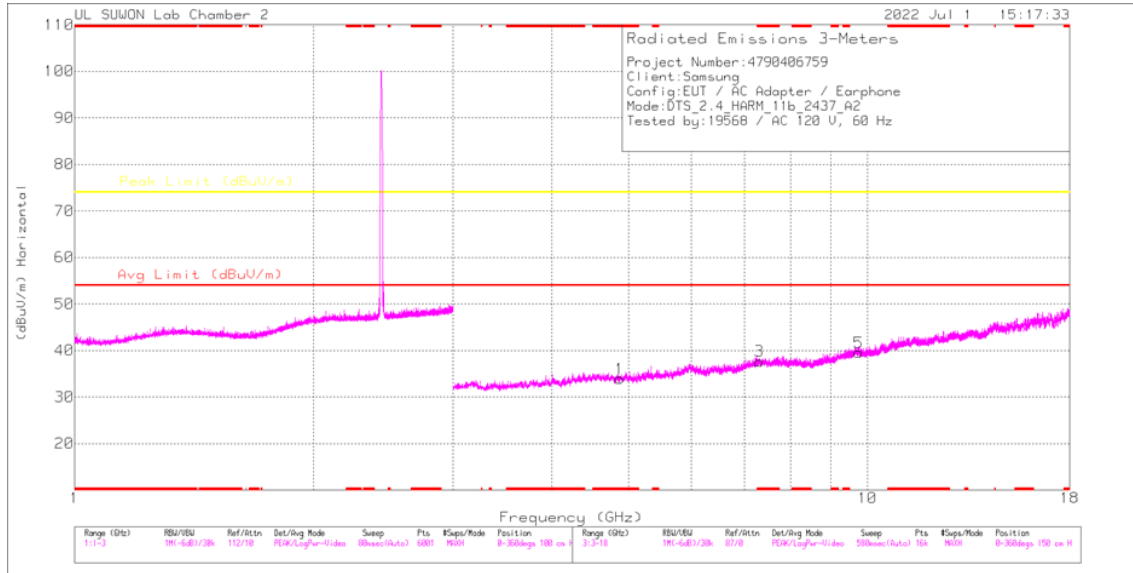
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_0016872_4	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
* 4.91881	35.95	PK2	34.1	-27.3	0	42.75	-	-	74	-31.25	360	100	H
* 4.92913	36.38	PK2	34.1	-27.2	0	43.28	-	-	74	-30.72	360	100	V
* 7.38767	36.22	PK2	36.1	-23.9	0	48.42	-	-	74	-25.58	252	103	H
* 7.38485	25.26	MAv1	36.1	-23.8	0	37.56	54	-16.44	-	-	252	103	H
* 7.38395	36.22	PK2	36.1	-23.8	0	48.52	-	-	74	-25.48	15	103	V
* 7.38503	25.73	MAv1	36.1	-23.8	0	38.03	54	-15.97	-	-	15	103	V
9.85319	32.48	PK2	37.3	-21.5	0	48.28	-	-	74	-25.72	360	100	H
9.84436	32.82	PK2	37.3	-21.5	0	48.62	-	-	74	-25.38	360	100	V

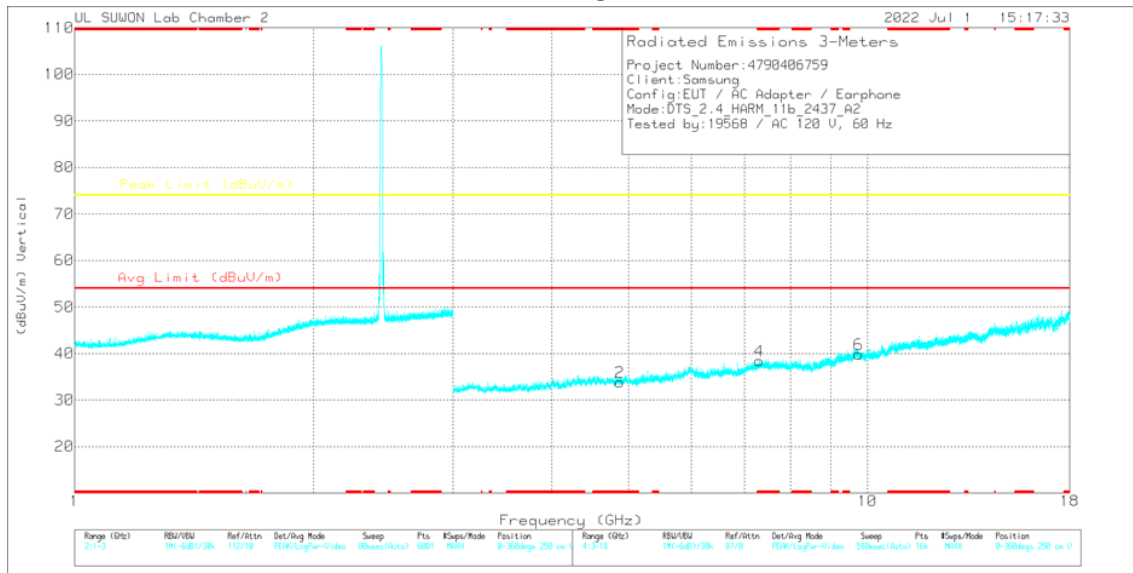
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

HARMONICS AND SPURIOUS EMISSIONS (ANT2 WORST CASE: 6 CHANNEL) 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_00168724	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
* 4.87748	37.41	PK2	34.1	-27.7	0	43.81	-	-	74	-30.19	0	100	H
* 4.87215	37.2	PK2	34.1	-27.7	0	43.6	-	-	74	-30.4	0	100	V
* 7.31781	35.84	PK2	36.1	-24.6	0	47.34	-	-	74	-26.66	0	100	H
* 7.31002	35.4	PK2	36.2	-24.6	0	47	-	-	74	-27	0	100	V
9.7515	32.28	PK2	37.2	-20.9	0	48.58	-	-	74	-25.42	0	100	H
9.75522	32.52	PK2	37.2	-20.9	0	48.82	-	-	74	-25.18	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	ANT1	* 4.82023	37.37	PK2	34.10	-27.80	0.00	43.67	-	-	74.00	-30.33	360	100	H
		* 4.82949	36.88	PK2	34.10	-27.80	0.00	43.18	-	-	74.00	-30.82	360	100	V
		7.227	34.85	PK2	36.20	-25.20	0.00	45.85	-	-	74.00	-28.15	360	100	H
		7.239	35.59	PK2	36.20	-25.30	0.00	46.49	-	-	74.00	-27.51	360	100	V
		9.642	32.30	PK2	37.00	-21.10	0.00	48.20	-	-	74.00	-25.80	360	100	H
		9.642	32.21	PK2	37.00	-21.10	0.00	48.11	-	-	74.00	-25.89	360	100	V
2437	ANT1	* 4.86661	37.08	PK2	34.10	-27.80	0.00	43.38	-	-	74.00	-30.62	360	100	H
		* 4.88332	36.66	PK2	34.10	-27.60	0.00	43.16	-	-	74.00	-30.84	360	100	V
		* 7.31148	35.35	PK2	36.20	-24.60	0.00	46.95	-	-	74.00	-27.05	360	100	H
		* 7.31088	35.61	PK2	36.20	-24.60	0.00	47.21	-	-	74.00	-26.79	360	100	V
		9.756	32.29	PK2	37.20	-20.90	0.00	48.59	-	-	74.00	-25.41	360	100	H
		9.744	32.39	PK2	37.20	-20.90	0.00	48.69	-	-	74.00	-25.31	360	100	V
2462	ANT1	* 4.91881	35.95	PK2	34.10	-27.30	0.00	42.75	-	-	74.00	-31.25	360	100	H
		* 4.92913	36.38	PK2	34.10	-27.20	0.00	43.28	-	-	74.00	-30.72	360	100	V
		* 7.38767	36.22	PK2	36.10	-23.90	0.00	48.42	-	-	74.00	-25.58	252	103	H
		* 7.38485	25.26	MAV1	36.10	-23.80	0.00	37.56	54.00	-16.44	-	-	252	103	H
		* 7.38395	36.22	PK2	36.10	-23.80	0.00	48.52	-	-	74.00	-25.48	15	103	V
		* 7.38503	25.73	MAV1	36.10	-23.80	0.00	38.03	54.00	-15.97	-	-	15	103	V
		9.853	32.48	PK2	37.30	-21.50	0.00	48.28	-	-	74.00	-25.72	360	100	H
		9.844	32.82	PK2	37.30	-21.50	0.00	48.62	-	-	74.00	-25.38	360	100	V
2412	ANT2	* 4.81752	36.69	PK2	34.10	-27.80	0.00	42.99	-	-	74.00	-31.01	0	100	H
		* 4.82616	37.16	PK2	34.10	-27.80	0.00	43.46	-	-	74.00	-30.54	0	100	V
		7.245	36.30	PK2	36.20	-25.20	0.00	47.30	-	-	74.00	-26.70	0	100	H
		7.228	35.38	PK2	36.20	-25.20	0.00	46.38	-	-	74.00	-27.62	0	100	V
		9.647	32.18	PK2	37.00	-21.00	0.00	48.18	-	-	74.00	-25.82	0	100	H
		9.642	32.78	PK2	37.00	-21.10	0.00	48.68	-	-	74.00	-25.32	0	100	V
2437	ANT2	* 4.87748	37.41	PK2	34.10	-27.70	0.00	43.81	-	-	74.00	-30.19	0	100	H
		* 4.87215	37.20	PK2	34.10	-27.70	0.00	43.60	-	-	74.00	-30.40	0	100	V
		* 7.31781	35.84	PK2	36.10	-24.60	0.00	47.34	-	-	74.00	-26.66	0	100	H
		* 7.31002	35.40	PK2	36.20	-24.60	0.00	47.00	-	-	74.00	-27.00	0	100	V
		9.752	32.28	PK2	37.20	-20.90	0.00	48.58	-	-	74.00	-25.42	0	100	H
2462	ANT2	9.755	32.52	PK2	37.20	-20.90	0.00	48.82	-	-	74.00	-25.18	0	100	V
		* 4.91655	35.94	PK2	34.10	-27.30	0.00	42.74	-	-	74.00	-31.26	0	100	H
		* 4.93225	35.98	PK2	34.10	-27.10	0.00	42.98	-	-	74.00	-31.02	0	100	V
		* 7.38202	35.06	PK2	36.10	-23.90	0.00	47.26	-	-	74.00	-26.74	0	100	H
		* 7.38269	34.95	PK2	36.10	-23.90	0.00	47.15	-	-	74.00	-26.85	0	100	V
		9.841	32.95	PK2	37.30	-21.50	0.00	48.75	-	-	74.00	-25.25	0	100	H
			32.44	PK2	37.30	-21.50	0.00	48.24	-	-	74.00	-25.76	0	100	V

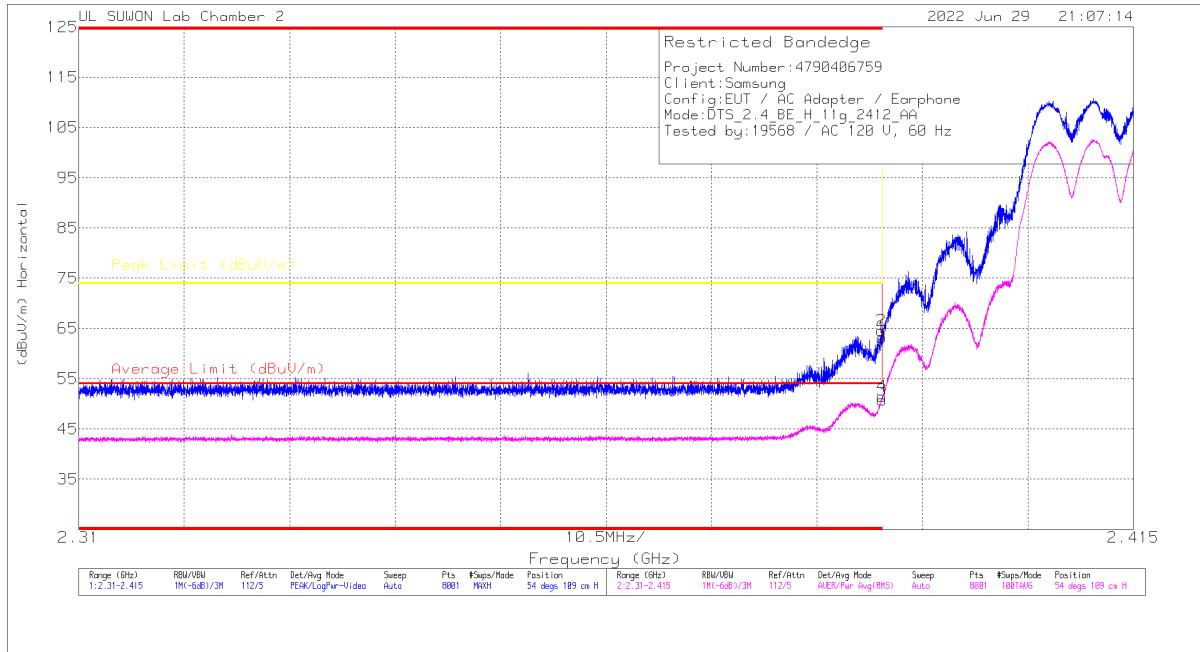
Note1. PK2 - KDB558074 Method: Maximum Peak / MAV1 - KDB558074 Option 1 Maximum RMS Average

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

10.1.2. TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND

BAND EDGE (WORST CASE: ANT ALL 1 CHANNEL)

HORIZONTAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	51.07	PK	31.9	-19.7	0	63.27	-	-	74	-10.73	54	109	H
2	* 2.38992	52.35	PK	31.9	-19.7	0	64.55	-	-	74	-9.45	54	109	H
3	* 2.39	38.38	RMS	31.9	-19.7	.16	50.74	54	-3.26	-	-	54	109	H
4	* 2.38998	39.1	RMS	31.9	-19.7	.16	51.46	54	-2.54	-	-	54	109	H

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

PK - Peak detector

RMS - RMS detection

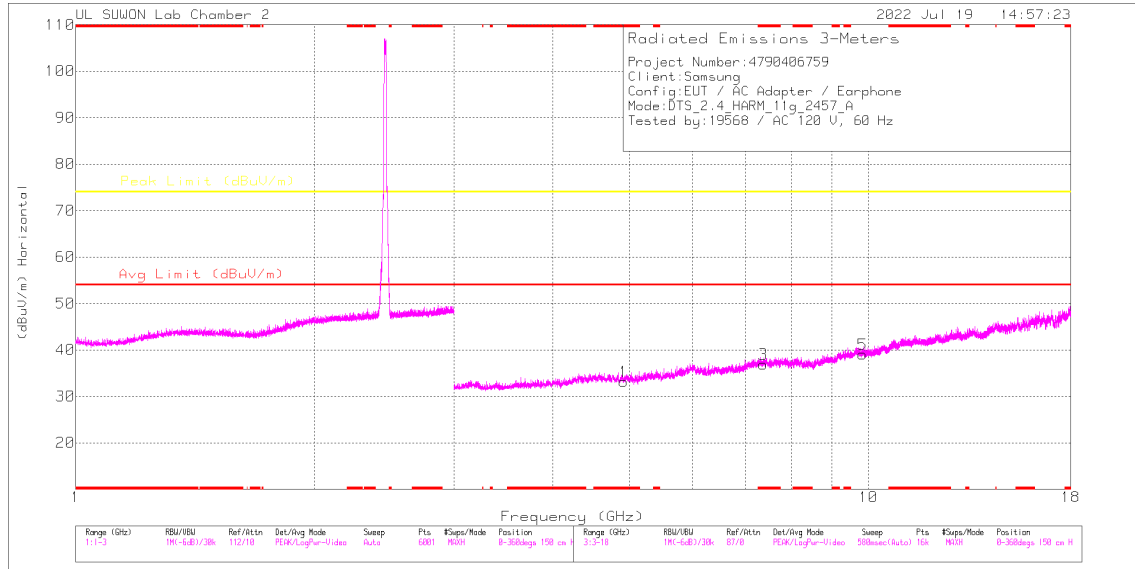
BANEDGE TEST DATA

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	51.07	Pk	31.90	-19.70	0.00	63.27	-	-	74.00	-10.73	54	109	H	
		* 2.38992	52.35	Pk	31.90	-19.70	0.00	64.55	-	-	74.00	-9.45	54	109	H	
		* 2.39	38.38	RMS	31.90	-19.70	0.16	50.74	54.00	-3.26	-	-	-	54	109	H
		* 2.38998	39.10	RMS	31.90	-19.70	0.16	51.46	54.00	-2.54	-	-	-	54	109	H
		* 2.39	50.33	Pk	31.90	-19.70	0.00	62.53	-	-	74.00	-11.47	-	158	363	V
		* 2.38997	51.44	Pk	31.90	-19.70	0.00	63.64	-	-	74.00	-10.36	-	158	363	V
		* 2.39	38.44	RMS	31.90	-19.70	0.16	50.80	54.00	-3.20	-	-	-	158	363	V
		* 2.38996	38.69	RMS	31.90	-19.70	0.16	51.05	54.00	-2.95	-	-	-	158	363	V
2417	MIMO	* 2.39	46.50	Pk	31.90	-19.70	0.00	58.70	-	-	74.00	-15.30	44	109	H	
		* 2.38752	50.56	Pk	31.90	-19.50	0.00	62.96	-	-	74.00	-11.04	44	109	H	
		* 2.39	33.43	RMS	31.90	-19.70	0.16	45.79	54.00	-8.21	-	-	-	44	109	H
		* 2.38721	35.81	RMS	31.90	-19.60	0.16	48.27	54.00	-5.73	-	-	-	44	109	H
		* 2.39	41.26	Pk	31.90	-19.70	0.00	53.46	-	-	74.00	-20.54	-	173	371	V
		* 2.38711	46.34	Pk	31.90	-19.60	0.00	58.64	-	-	74.00	-15.36	-	173	371	V
		* 2.39	32.07	RMS	31.90	-19.70	0.16	44.43	54.00	-9.57	-	-	-	173	371	V
		* 2.38754	34.18	RMS	31.90	-19.50	0.16	46.74	54.00	-7.26	-	-	-	173	371	V
2457	MIMO	* 2.48351	44.23	Pk	32.00	-19.60	0.00	56.63	-	-	74.00	-17.37	46	129	H	
		* 2.48566	48.71	Pk	32.00	-19.60	0.00	61.11	-	-	74.00	-12.89	46	129	H	
		* 2.48351	33.93	RMS	32.00	-19.60	0.16	46.49	54.00	-7.51	-	-	-	46	129	H
		* 2.48602	36.66	RMS	32.00	-19.60	0.16	49.22	54.00	-4.78	-	-	-	46	129	H
		* 2.48351	45.64	Pk	32.00	-19.60	0.00	58.04	-	-	74.00	-15.96	-	173	351	V
		* 2.48354	47.09	Pk	32.00	-19.60	0.00	59.49	-	-	74.00	-14.51	-	173	351	V
		* 2.48351	33.70	RMS	32.00	-19.60	0.16	46.26	54.00	-7.74	-	-	-	173	351	V
		* 2.48368	33.74	RMS	32.00	-19.60	0.16	46.30	54.00	-7.70	-	-	-	173	351	V
2462	MIMO	* 2.48351	49.55	Pk	32.00	-19.60	0.00	61.95	-	-	74.00	-12.05	47	104	H	
		* 2.48374	51.25	Pk	32.00	-19.60	0.00	63.65	-	-	74.00	-10.35	47	104	H	
		* 2.48351	38.01	RMS	32.00	-19.60	0.16	50.57	54.00	-3.43	-	-	-	47	104	H
		* 2.4836	37.96	RMS	32.00	-19.60	0.16	50.52	54.00	-3.48	-	-	-	47	104	H
		* 2.48351	44.92	Pk	32.00	-19.60	0.00	57.32	-	-	74.00	-16.68	-	154	343	V
		* 2.48459	48.69	Pk	32.00	-19.60	0.00	61.09	-	-	74.00	-12.91	-	154	343	V
		* 2.48351	32.87	RMS	32.00	-19.60	0.16	45.43	54.00	-8.57	-	-	-	154	343	V
		* 2.48457	34.60	RMS	32.00	-19.60	0.16	47.16	54.00	-6.84	-	-	-	154	343	V

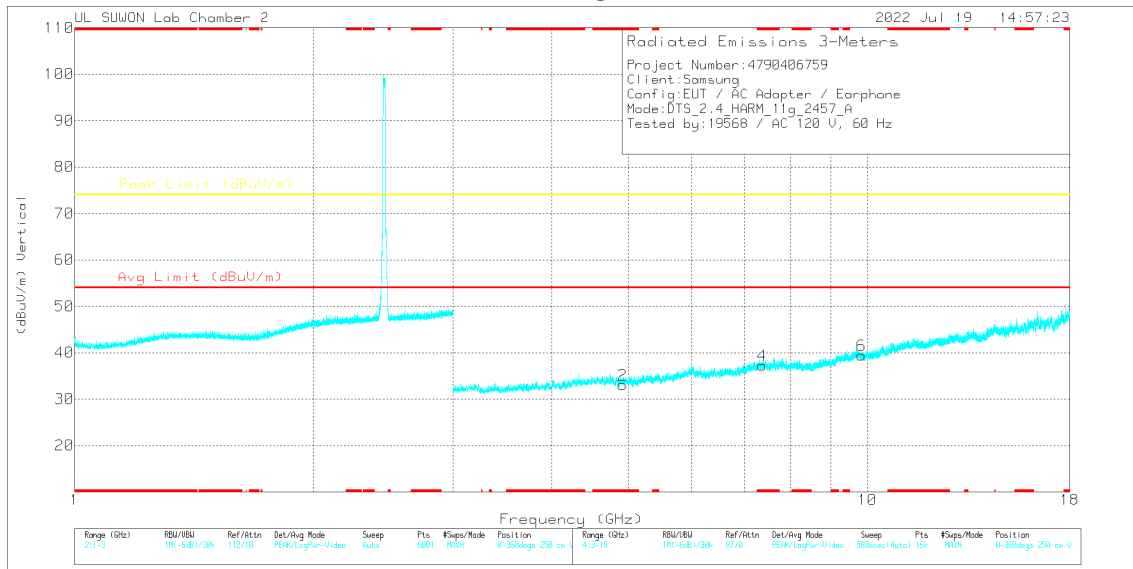
Note1. Pk - Peak detector, RMS - RMS detector
 Note2. * - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

HARMONICS AND SPURIOUS EMISSIONS (WORST CASE: ANT ALL 10 CHANNEL) 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_00168724	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
* 4.91075	35.74	PK2	34.1	-27.4	0	42.44	-	-	74	-31.56	0	100	H
* 4.90507	36.08	PK2	34.1	-27.4	0	42.78	-	-	74	-31.22	0	100	V
* 7.37512	35.13	PK2	36.1	-23.9	0	47.33	-	-	74	-26.67	0	100	H
* 7.37121	34.59	PK2	36.1	-23.9	0	46.79	-	-	74	-27.21	0	100	V
9.83715	32.65	PK2	37.3	-21.5	0	48.45	-	-	74	-25.55	0	100	H
9.83203	32.98	PK2	37.3	-21.5	0	48.78	-	-	74	-25.22	0	100	V

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

HARMONICS AND SPURIOUS EMISSIONS TEST DATA

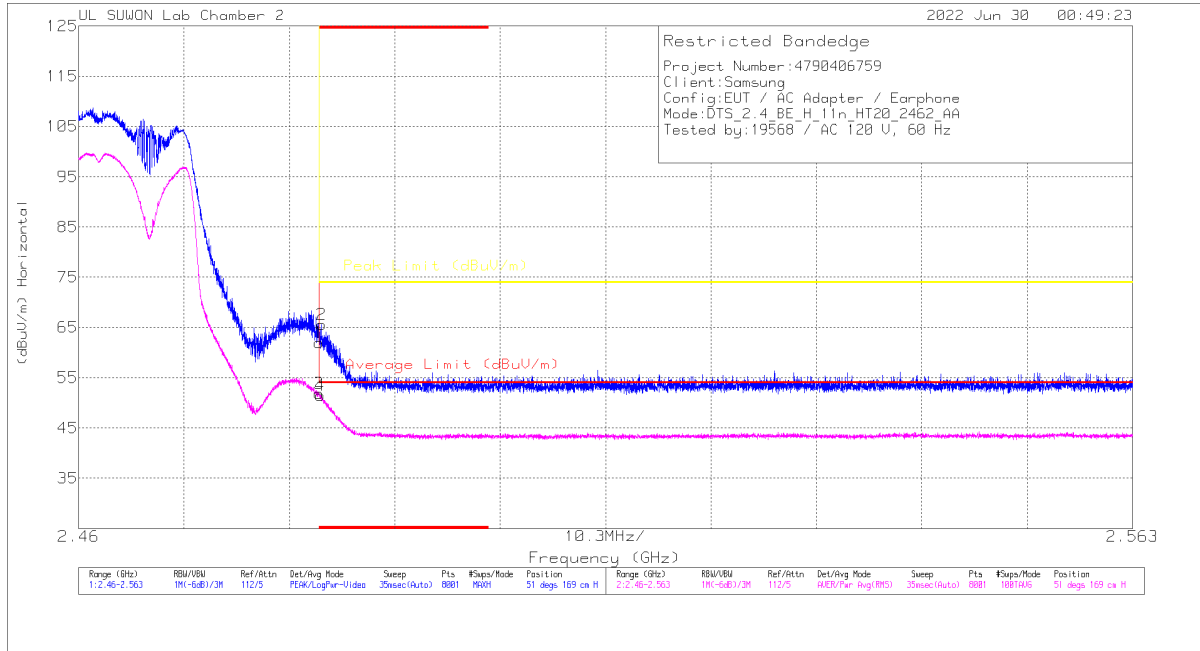
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2417	MIMO	* 4.83389	36.63	PK2	34.10	-27.80	0.00	42.93	-	-	74.00	-31.07	0	100	H
		* 4.8347	36.63	PK2	34.10	-27.80	0.00	42.93	-	-	74.00	-31.07	0	100	V
		7.247	35.48	PK2	36.20	-25.20	0.00	46.48	-	-	74.00	-27.52	0	100	H
		7.250	35.17	PK2	36.20	-25.20	0.00	46.17	-	-	74.00	-27.83	0	100	V
		9.660	32.49	PK2	37.00	-20.90	0.00	48.59	-	-	74.00	-25.41	0	100	H
		9.667	32.42	PK2	37.10	-20.90	0.00	48.62	-	-	74.00	-25.38	0	100	V
2437	MIMO	* 4.87152	37.23	PK2	34.10	-27.70	0.00	43.63	-	-	74.00	-30.37	0	100	H
		* 4.88061	36.97	PK2	34.10	-27.60	0.00	43.47	-	-	74.00	-30.53	0	100	V
		* 7.30285	35.87	PK2	36.20	-24.80	0.00	47.27	-	-	74.00	-26.73	0	100	H
		* 7.30938	35.28	PK2	36.20	-24.60	0.00	46.88	-	-	74.00	-27.12	0	100	V
		9.742	32.31	PK2	37.10	-20.80	0.00	48.61	-	-	74.00	-25.39	0	100	H
		9.753	32.18	PK2	37.20	-20.90	0.00	48.48	-	-	74.00	-25.52	0	100	V
2457	MIMO	* 4.91075	35.74	PK2	34.10	-27.40	0.00	42.44	-	-	74.00	-31.56	0	100	H
		* 4.90507	36.08	PK2	34.10	-27.40	0.00	42.78	-	-	74.00	-31.22	0	100	V
		* 7.37512	35.13	PK2	36.10	-23.90	0.00	47.33	-	-	74.00	-26.67	0	100	H
		* 7.37121	34.59	PK2	36.10	-23.90	0.00	46.79	-	-	74.00	-27.21	0	100	V
		9.837	32.65	PK2	37.30	-21.50	0.00	48.45	-	-	74.00	-25.55	0	100	H
		9.832	32.98	PK2	37.30	-21.50	0.00	48.78	-	-	74.00	-25.22	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

10.1.3. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND
BANDEDGE (WORST CASE: ANT ALL 11 CHANNEL)

HORIZONTAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	3117_00168724	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	* 2.48351	49.53	Pk	32	-19.6	0	61.93	-	-	74	-12.07	51	169	H
2	* 2.48377	53.21	Pk	32	-19.6	0	65.61	-	-	74	-8.39	51	169	H
3	* 2.48351	39.44	RMS	32	-19.6	.09	51.93	54	-2.07	-	-	51	169	H
4	* 2.48364	39.06	RMS	32	-19.6	.09	51.55	54	-2.45	-	-	51	169	H

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

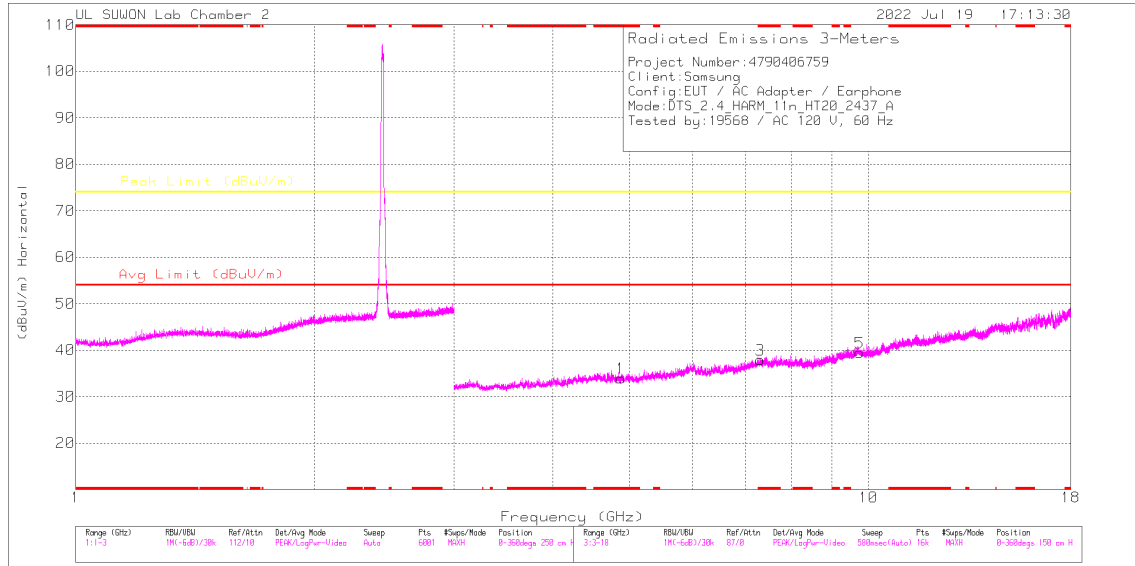
BANEDGE TEST DATA

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	50.67	Pk	31.90	-19.70	0.00	62.87	-	-	74.00	-11.13	47	297	H	
		* 2.38991	51.98	Pk	31.90	-19.70	0.00	64.18	-	-	74.00	-9.82	47	297	H	
		* 2.39	39.19	RMS	31.90	-19.70	0.09	51.48	54.00	-2.52	-	-	-	47	297	H
		* 2.38997	39.24	RMS	31.90	-19.70	0.09	51.53	54.00	-2.47	-	-	-	47	297	H
		* 2.39	47.02	Pk	31.90	-19.70	0.00	59.22	-	-	74.00	-14.78	185	364	V	
		* 2.38998	50.15	Pk	31.90	-19.70	0.00	62.35	-	-	74.00	-11.65	185	364	V	
		* 2.39	35.83	RMS	31.90	-19.70	0.09	48.12	54.00	-5.88	-	-	-	185	364	V
		* 2.38994	36.38	RMS	31.90	-19.70	0.09	48.67	54.00	-5.33	-	-	-	185	364	V
2417	MIMO	* 2.39	46.65	Pk	31.90	-19.70	0.00	58.85	-	-	74.00	-15.15	44	134	H	
		* 2.38766	49.58	Pk	31.90	-19.50	0.00	61.98	-	-	74.00	-12.02	44	134	H	
		* 2.39	34.33	RMS	31.90	-19.70	0.09	46.62	54.00	-7.38	-	-	-	44	134	H
		* 2.38704	36.77	RMS	31.90	-19.60	0.09	49.16	54.00	-4.84	-	-	-	44	134	H
		* 2.39	41.65	Pk	31.90	-19.70	0.00	53.85	-	-	74.00	-20.15	145	103	V	
		* 2.38867	44.48	Pk	31.90	-19.60	0.00	56.78	-	-	74.00	-17.22	145	103	V	
		* 2.39	32.45	RMS	31.90	-19.70	0.09	44.74	54.00	-9.26	-	-	-	145	103	V
		* 2.38903	33.03	RMS	31.90	-19.60	0.09	45.42	54.00	-8.58	-	-	-	145	103	V
2457	MIMO	* 2.48351	48.46	Pk	32.00	-19.60	0.00	60.86	-	-	74.00	-13.14	51	104	H	
		* 2.48399	50.89	Pk	32.00	-19.60	0.00	63.29	-	-	74.00	-10.71	51	104	H	
		* 2.48351	36.76	RMS	32.00	-19.60	0.09	49.25	54.00	-4.75	-	-	-	51	104	H
		* 2.48426	37.51	RMS	32.00	-19.60	0.09	50.00	54.00	-4.00	-	-	-	51	104	H
		* 2.48351	44.97	Pk	32.00	-19.60	0.00	57.37	-	-	74.00	-16.63	168	343	V	
		* 2.48366	47.81	Pk	32.00	-19.60	0.00	60.21	-	-	74.00	-13.79	168	343	V	
		* 2.48351	34.31	RMS	32.00	-19.60	0.09	46.80	54.00	-7.20	-	-	-	168	343	V
		* 2.48459	34.68	RMS	32.00	-19.60	0.09	47.17	54.00	-6.83	-	-	-	168	343	V
2462	MIMO	* 2.48351	49.53	Pk	32.00	-19.60	0.00	61.93	-	-	74.00	-12.07	51	169	H	
		* 2.48377	53.21	Pk	32.00	-19.60	0.00	65.61	-	-	74.00	-8.39	51	169	H	
		* 2.48351	39.44	RMS	32.00	-19.60	0.09	51.93	54.00	-2.07	-	-	-	51	169	H
		* 2.48364	39.06	RMS	32.00	-19.60	0.09	51.55	54.00	-2.45	-	-	-	51	169	H
		* 2.48351	46.22	Pk	32.00	-19.60	0.00	58.62	-	-	74.00	-15.38	152	343	V	
		* 2.48386	47.56	Pk	32.00	-19.60	0.00	59.96	-	-	74.00	-14.04	152	343	V	
		* 2.48351	33.33	RMS	32.00	-19.60	0.09	45.82	54.00	-8.18	-	-	-	152	343	V
		* 2.48355	33.72	RMS	32.00	-19.60	0.09	46.21	54.00	-7.79	-	-	-	152	343	V

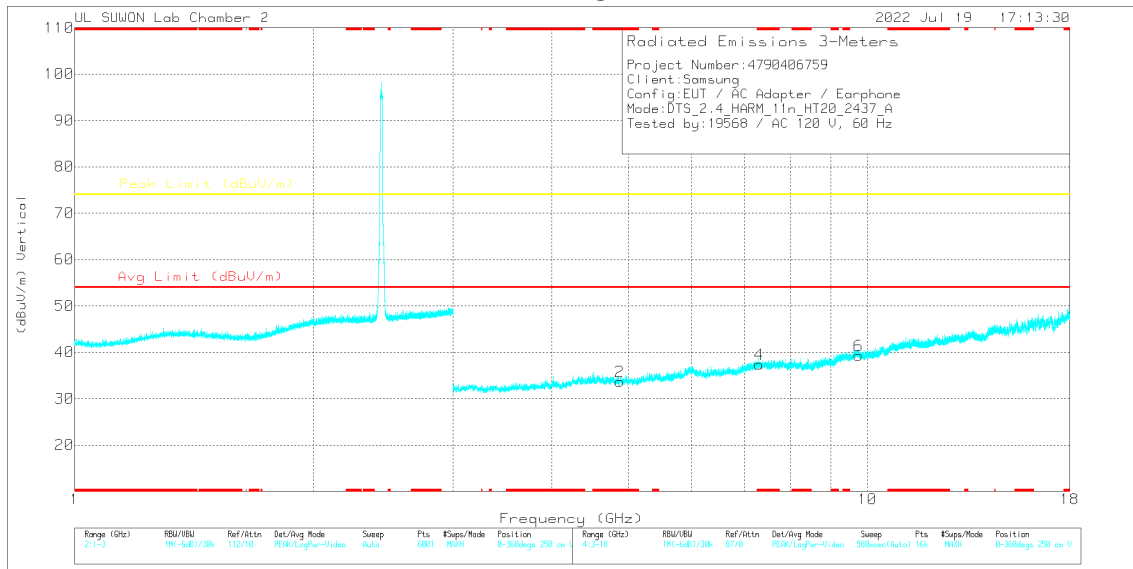
Note1. Pk - Peak detector, RMS - RMS detector
 Note2. * - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

HARMONICS AND SPURIOUS EMISSIONS (WORST CASE: ANT ALL 6 CHANNEL) 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_00168724	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
* 4.86839	36.53	PK2	34.1	-27.8	0	42.83	-	-	74	-31.17	0	100	H
* 4.87816	36.39	PK2	34.1	-27.7	0	42.79	-	-	74	-31.21	0	100	V
* 7.31721	35.5	PK2	36.1	-24.6	0	47	-	-	74	-27	0	100	H
* 7.31357	35.35	PK2	36.1	-24.6	0	46.85	-	-	74	-27.15	0	100	V
9.75646	32.39	PK2	37.2	-20.9	0	48.69	-	-	74	-25.31	0	100	H
9.74497	32.47	PK2	37.2	-20.9	0	48.77	-	-	74	-25.23	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
2417	MIMO	* 4.83635	36.46	PK2	34.10	-27.90	0.00	42.66	-	-	74.00	-31.34	0	100	H
		* 4.84079	36.71	PK2	34.10	-27.90	0.00	42.91	-	-	74.00	-31.09	0	100	V
		7.243	35.44	PK2	36.20	-25.20	0.00	46.44	-	-	74.00	-27.56	0	100	H
		* 7.25196	35.70	PK2	36.20	-25.20	0.00	46.70	-	-	74.00	-27.30	0	100	V
		9.664	32.02	PK2	37.10	-20.90	0.00	48.22	-	-	74.00	-25.78	0	100	H
9.673	32.12	PK2	37.10	-20.70	0.00	48.52	-	-	74.00	-25.48	0	100	V		
2437	MIMO	* 4.86839	36.53	PK2	34.10	-27.80	0.00	42.83	-	-	74.00	-31.17	0	100	H
		* 4.87816	36.39	PK2	34.10	-27.70	0.00	42.79	-	-	74.00	-31.21	0	100	V
		* 7.31721	35.50	PK2	36.10	-24.60	0.00	47.00	-	-	74.00	-27.00	0	100	H
		* 7.31357	35.35	PK2	36.10	-24.60	0.00	46.85	-	-	74.00	-27.15	0	100	V
		9.756	32.39	PK2	37.20	-20.90	0.00	48.69	-	-	74.00	-25.31	0	100	H
9.745	32.47	PK2	37.20	-20.90	0.00	48.77	-	-	74.00	-25.23	0	100	V		
2457	MIMO	* 4.91196	37.49	PK2	34.10	-27.40	0.00	44.19	-	-	74.00	-29.81	0	100	H
		* 7.37112	34.60	PK2	36.10	-23.90	0.00	46.80	-	-	74.00	-27.20	0	100	H
		9.825	33.05	PK2	37.20	-21.50	0.00	48.75	-	-	74.00	-25.25	0	100	H
		* 4.91658	35.81	PK2	34.10	-27.30	0.00	42.61	-	-	74.00	-31.39	0	100	V
		* 7.37195	34.43	PK2	36.10	-23.90	0.00	46.63	-	-	74.00	-27.37	0	100	V
9.836	32.47	PK2	37.30	-21.50	0.00	48.27	-	-	74.00	-25.73	0	100	V		

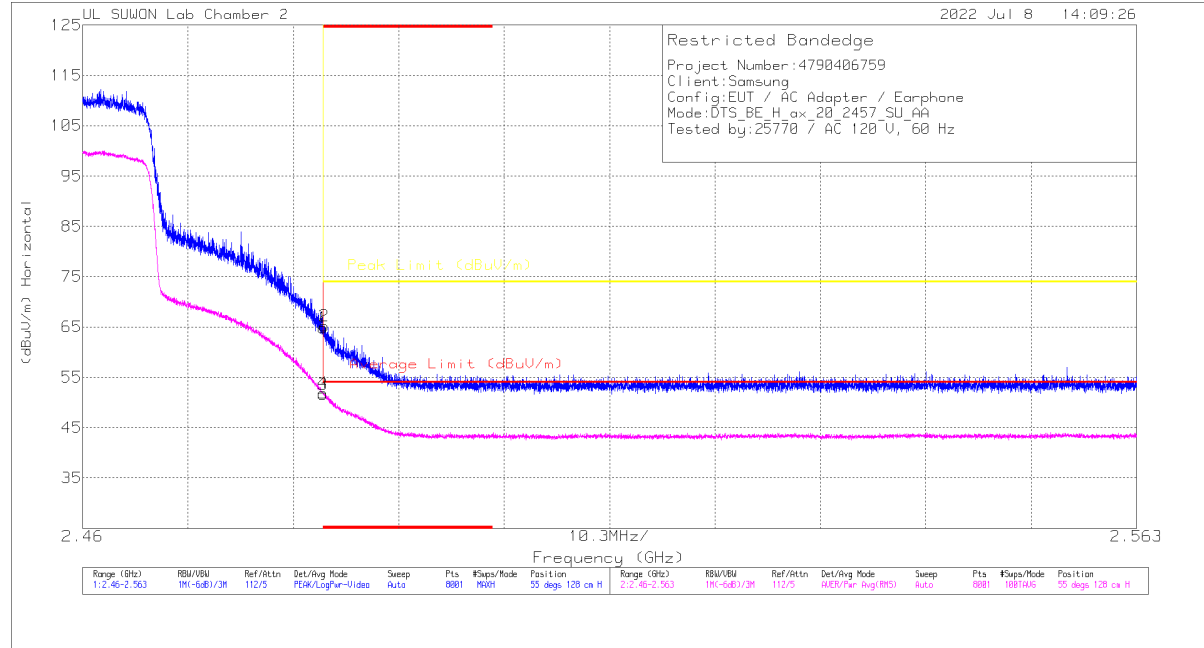
Note1. PK2 - KDB558074 Method: Maximum Peak / MAV1 - KDB558074 Option 1 Maximum RMS Average

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

BANDEDGE (ANT ALL 10 CHANNEL, SU MODE)

HORIZONTAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	* 2.48351	52.49	PK	32	-19.6	0	64.99	-	-	74	-9.11	55	128	H
2	* 2.48364	52.76	PK	32	-19.6	0	65.16	-	-	74	-8.84	55	128	H
3	* 2.48351	39.22	RMS	32	-19.6	0	51.62	54	-2.38	-	-	55	128	H
4	* 2.48352	39.48	RMS	32	-19.6	0	51.88	54	-2.12	-	-	55	128	H

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

BANEDGE TEST DATA

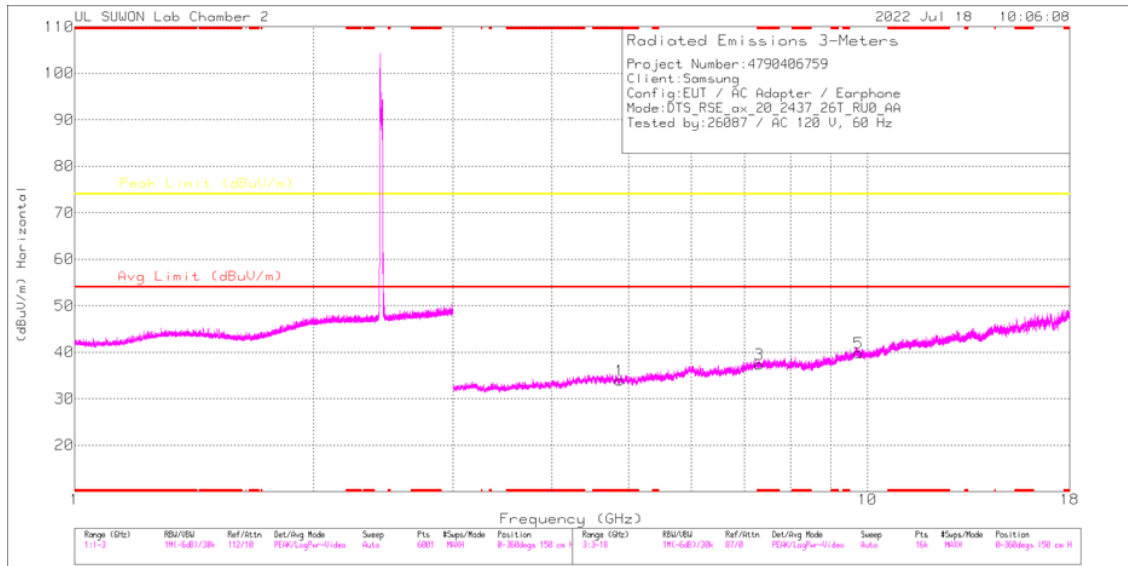
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity	
2412 0RU	MIMO	* 2.39	41.09	Pk	31.90	-19.70	0.00	53.29	-	-	74.00	-20.71	55	109	H	
		* 2.35448	43.52	Pk	31.80	-19.60	0.00	55.72	-	-	74.00	-18.28	55	109	H	
		* 2.39	30.49	RMS	31.90	-19.70	0.00	42.69	54.00	-11.31	-	-	-	55	109	H
		* 2.37153	31.65	RMS	31.80	-19.60	0.00	43.85	54.00	-10.15	-	-	-	55	109	H
		* 2.39	41.76	Pk	31.90	-19.70	0.00	53.96	-	-	74.00	-20.04	189	363	V	
		* 2.31883	43.98	Pk	31.70	-19.60	0.00	56.08	-	-	74.00	-17.92	189	363	V	
		* 2.39	30.35	RMS	31.90	-19.70	0.00	42.55	54.00	-11.45	-	-	-	189	363	V
		* 2.38313	31.44	RMS	31.80	-19.60	0.00	43.64	54.00	-10.36	-	-	-	189	363	V
2412 53RU	MIMO	* 2.39	41.40	Pk	31.90	-19.70	0.00	53.60	-	-	74.00	-20.40	55	109	H	
		* 2.38966	44.49	Pk	31.90	-19.70	0.00	56.69	-	-	74.00	-17.31	55	109	H	
		* 2.39	31.56	RMS	31.90	-19.70	0.00	43.76	54.00	-10.24	-	-	-	55	109	H
		* 2.38735	31.56	RMS	31.90	-19.60	0.00	43.86	54.00	-10.14	-	-	-	55	109	H
		* 2.39	40.71	Pk	31.90	-19.70	0.00	52.91	-	-	74.00	-21.09	189	363	V	
		* 2.38183	43.64	Pk	31.90	-19.60	0.00	55.94	-	-	74.00	-18.06	189	363	V	
		* 2.39	30.94	RMS	31.90	-19.70	0.00	43.14	54.00	-10.86	-	-	-	189	363	V
		* 2.38735	31.45	RMS	31.90	-19.60	0.00	43.75	54.00	-10.25	-	-	-	189	363	V
2412 SU	MIMO	* 2.39	51.07	Pk	31.90	-19.70	0.00	63.27	-	-	74.00	-10.73	55	109	H	
		* 2.38992	52.78	Pk	31.90	-19.70	0.00	64.98	-	-	74.00	-9.02	55	109	H	
		* 2.39	38.35	RMS	31.90	-19.70	0.00	50.55	54.00	-3.45	-	-	-	55	109	H
		* 2.38998	38.60	RMS	31.90	-19.70	0.00	50.80	54.00	-3.20	-	-	-	55	109	H
		* 2.39	45.36	Pk	31.90	-19.70	0.00	57.56	-	-	74.00	-16.44	189	363	V	
		* 2.38958	48.20	Pk	31.90	-19.70	0.00	60.40	-	-	74.00	-13.60	189	363	V	
		* 2.39	34.44	RMS	31.90	-19.70	0.00	46.64	54.00	-7.36	-	-	-	189	363	V
		* 2.38991	34.63	RMS	31.90	-19.70	0.00	46.83	54.00	-7.17	-	-	-	189	363	V
2417 SU	MIMO	* 2.39	47.34	Pk	31.90	-19.70	0.00	59.54	-	-	74.00	-14.46	56	111	H	
		* 2.3898	48.72	Pk	31.90	-19.70	0.00	60.92	-	-	74.00	-13.08	56	111	H	
		* 2.39	35.65	RMS	31.90	-19.70	0.00	47.85	54.00	-6.15	-	-	-	56	111	H
		* 2.38994	35.78	RMS	31.90	-19.70	0.00	47.98	54.00	-6.02	-	-	-	56	111	H
		* 2.39	42.34	Pk	31.90	-19.70	0.00	54.54	-	-	74.00	-19.46	183	321	V	
		* 2.38967	45.45	Pk	31.90	-19.70	0.00	57.65	-	-	74.00	-16.35	183	321	V	
		* 2.39	32.55	RMS	31.90	-19.70	0.00	44.75	54.00	-9.25	-	-	-	183	321	V
		* 2.38941	33.33	RMS	31.90	-19.70	0.00	45.53	54.00	-8.47	-	-	-	183	321	V
2457 SU	MIMO	* 2.48351	52.49	Pk	32.00	-19.60	0.00	64.89	-	-	74.00	-9.11	55	128	H	
		* 2.48364	52.76	Pk	32.00	-19.60	0.00	65.16	-	-	74.00	-8.84	55	128	H	
		* 2.48351	39.22	RMS	32.00	-19.60	0.00	51.62	54.00	-2.38	-	-	-	55	128	H
		* 2.48352	39.48	RMS	32.00	-19.60	0.00	51.88	54.00	-2.12	-	-	-	55	128	H
		* 2.48351	47.22	Pk	32.00	-19.60	0.00	59.62	-	-	74.00	-14.38	68	383	V	
		* 2.48445	47.81	Pk	32.00	-19.60	0.00	60.21	-	-	74.00	-13.79	68	383	V	
		* 2.48351	35.05	RMS	32.00	-19.60	0.00	47.45	54.00	-6.55	-	-	-	68	383	V
		* 2.48359	35.31	RMS	32.00	-19.60	0.00	47.71	54.00	-6.29	-	-	-	68	383	V
2462 8RU	MIMO	* 2.48351	41.21	Pk	32.00	-19.60	0.00	53.61	-	-	74.00	-20.39	56	126	H	
		2.562	43.97	Pk	32.20	-19.50	0.00	56.67	-	-	74.00	-17.33	56	126	H	
		* 2.48351	30.76	RMS	32.00	-19.60	0.00	43.16	54.00	-10.84	-	-	-	56	126	H
		2.542	31.46	RMS	32.10	-19.40	0.00	44.16	54.00	-9.84	-	-	-	56	126	H
		* 2.48351	41.24	Pk	32.00	-19.60	0.00	53.64	-	-	74.00	-20.36	71	385	V	
		* 2.49784	44.31	Pk	32.10	-19.50	0.00	56.91	-	-	74.00	-17.09	71	385	V	
		* 2.48351	30.58	RMS	32.00	-19.60	0.00	42.98	54.00	-11.02	-	-	-	71	385	V
		2.543	31.47	RMS	32.10	-19.50	0.00	44.07	54.00	-9.93	-	-	-	71	385	V
2462 54RU	MIMO	* 2.48351	49.04	Pk	32.00	-19.60	0.00	61.44	-	-	74.00	-12.56	56	126	H	
		* 2.48603	51.60	Pk	32.00	-19.60	0.00	64.00	-	-	74.00	-10.00	56	126	H	
		* 2.48351	31.87	RMS	32.00	-19.60	0.00	44.27	54.00	-9.73	-	-	-	56	126	H
		* 2.48569	32.35	RMS	32.00	-19.60	0.00	44.75	54.00	-9.25	-	-	-	56	126	H
		* 2.48351	41.14	Pk	32.00	-19.60	0.00	53.54	-	-	74.00	-20.46	71	385	V	
		* 2.48372	49.09	Pk	32.00	-19.60	0.00	61.49	-	-	74.00	-12.51	71	385	V	
		* 2.48351	30.82	RMS	32.00	-19.60	0.00	43.22	54.00	-10.78	-	-	-	71	385	V
		2.555	31.37	RMS	32.20	-19.40	0.00	44.17	54.00	-9.83	-	-	-	71	385	V
2462 SU	MIMO	* 2.48351	49.28	Pk	32.00	-19.60	0.00	61.68	-	-	74.00	-12.32	56	126	H	
		* 2.48356	51.18	Pk	32.00	-19.60	0.00	63.58	-	-	74.00	-10.42	56	126	H	
		* 2.48351	38.29	RMS	32.00	-19.60	0.00	50.69	54.00	-3.31	-	-	-	56	126	H
		* 2.48356	38.75	RMS	32.00	-19.60	0.00	51.15	54.00	-2.85	-	-	-	56	126	H
		* 2.48351	43.87	Pk	32.00	-19.60	0.00	56.27	-	-	74.00	-17.73	71	385	V	
		* 2.4836	48.29	Pk	32.00	-19.60	0.00	60.69	-	-	74.00	-13.31	71	385	V	
		* 2.48351	34.07	RMS	32.00	-19.60	0.00	46.47	54.00	-7.53	-	-	-	71	385	V
		* 2.48352	34.52	RMS	32.00	-19.60	0.00	46.92	54.00	-7.08	-	-	-	71	385	V

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

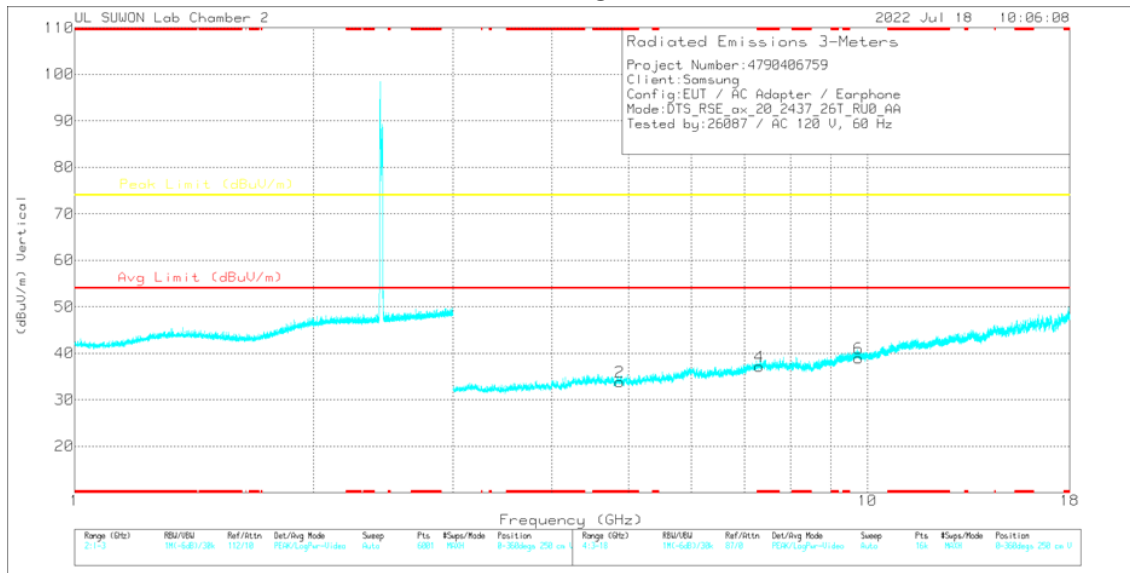
HARMONICS AND SPURIOUS EMISSIONS (WORST CASE: ANT ALL 6 CHANNEL, 0RU)

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)	Meas Reading (dBu)	Det	3117_00168724	3GHz_HP(dB)	Ant Gain (dB)	DC Cor (dB)	Corrected Reading (dBu/m)	Avg Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
* 4.8692	36.83	PK2	34.1	-27.8	0	0	43.13	-	-	74	-30.87	0	100	H
* 4.88263	36.93	PK2	34.1	-27.6	0	0	43.43	-	-	74	-30.57	0	100	V
* 7.31151	35.54	PK2	36.2	-24.6	0	0	47.14	-	-	74	-26.86	0	100	H
* 7.30151	35.41	PK2	36.2	-24.8	0	0	46.81	-	-	74	-27.19	0	100	V
9.74355	32.72	PK2	37.2	-20.9	0	0	49.02	-	-	74	-24.98	0	100	H
9.74256	32.57	PK2	37.1	-20.8	0	0	48.87	-	-	74	-25.13	0	100	V

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

HARMONICS AND SPURIOUS EMISSIONS TEST DATA

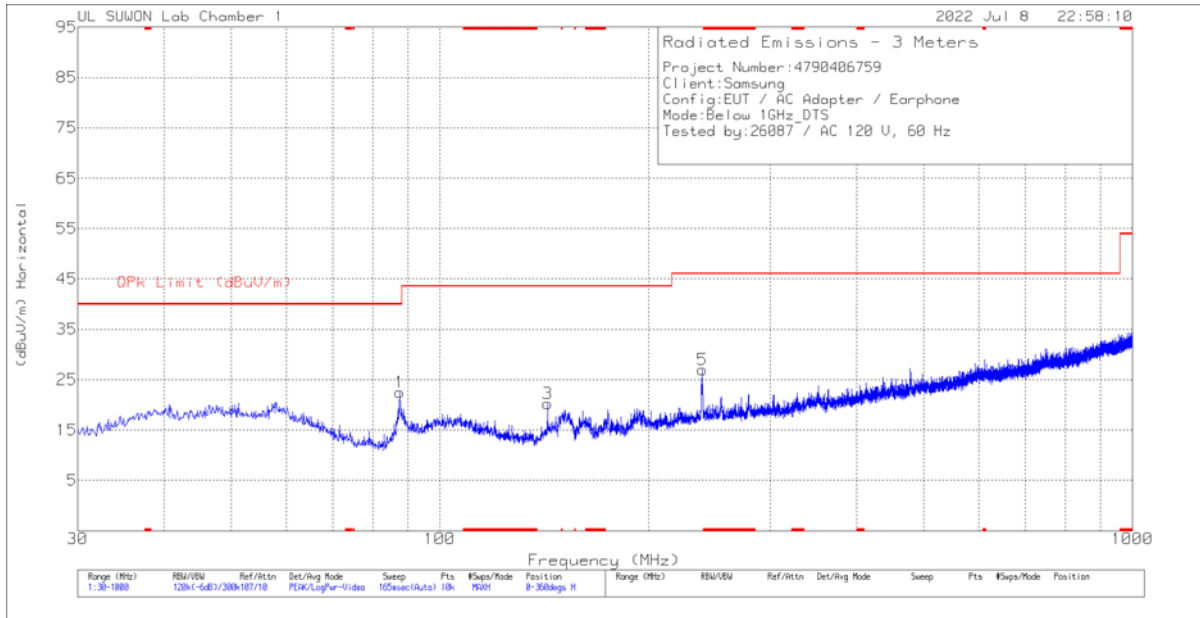
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2417 RU8	MIMO	* 4.83169	37.45	PK2	34.10	-27.90	0.00	43.65	-	-	74.00	-30.35	0	100	H
		* 4.83031	37.49	PK2	34.10	-27.80	0.00	43.79	-	-	74.00	-30.21	0	100	V
		7.247	35.61	PK2	36.20	-25.20	0.00	46.61	-	-	74.00	-27.39	0	100	H
		7.247	36.30	PK2	36.20	-25.20	0.00	47.30	-	-	74.00	-26.70	0	100	V
		9.669	32.45	PK2	37.10	-20.80	0.00	48.75	-	-	74.00	-25.25	0	100	H
		9.664	32.69	PK2	37.10	-20.90	0.00	48.89	-	-	74.00	-25.11	0	100	V
2437 RU0	MIMO	* 4.8692	36.83	PK2	34.10	-27.80	0.00	43.13	-	-	74.00	-30.87	0	100	H
		* 4.88263	36.93	PK2	34.10	-27.60	0.00	43.43	-	-	74.00	-30.57	0	100	V
		* 7.31151	35.54	PK2	36.20	-24.60	0.00	47.14	-	-	74.00	-26.86	0	100	H
		* 7.30151	35.41	PK2	36.20	-24.80	0.00	46.81	-	-	74.00	-27.19	0	100	V
		9.744	32.72	PK2	37.20	-20.90	0.00	49.02	-	-	74.00	-24.98	0	100	H
		9.743	32.57	PK2	37.10	-20.80	0.00	48.87	-	-	74.00	-25.13	0	100	V
2457 RU8	MIMO	* 4.91262	36.20	PK2	34.10	-27.30	0.00	43.00	-	-	74.00	-31.00	0	100	H
		* 4.91523	36.29	PK2	34.10	-27.30	0.00	43.09	-	-	74.00	-30.91	0	100	V
		* 7.37511	34.61	PK2	36.10	-23.90	0.00	46.81	-	-	74.00	-27.19	0	100	H
		* 7.37924	35.15	PK2	36.10	-23.90	0.00	47.35	-	-	74.00	-26.65	0	100	V
		9.824	32.03	PK2	37.20	-21.50	0.00	47.73	-	-	74.00	-26.27	0	100	H
		9.837	32.63	PK2	37.30	-21.50	0.00	48.43	-	-	74.00	-25.57	0	100	V

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

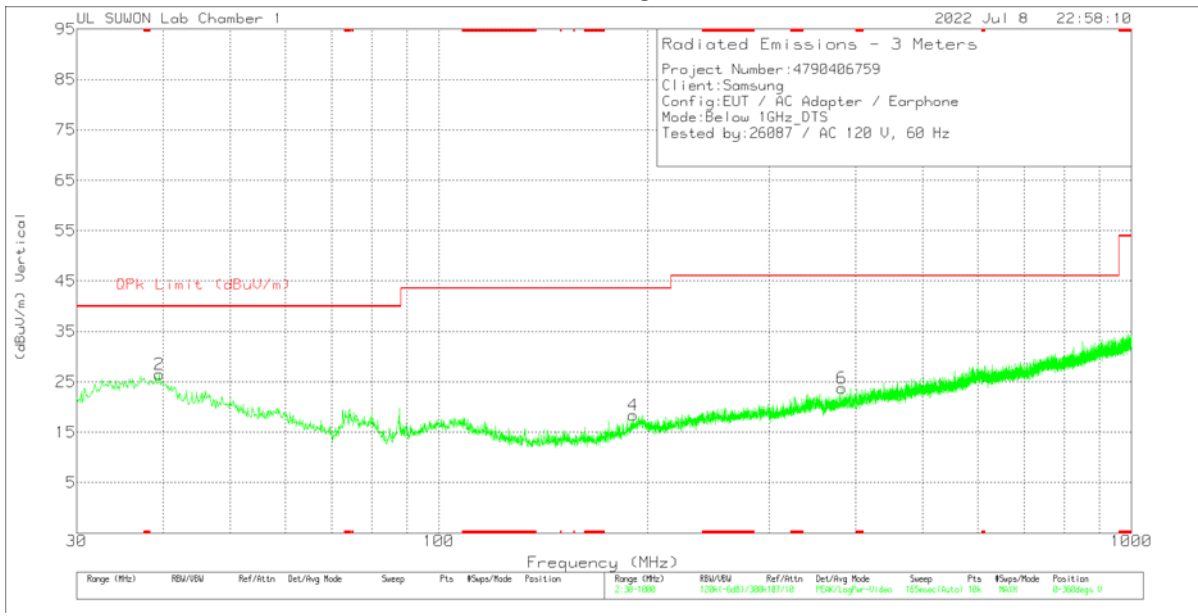
Note2. * - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

10.2. WORST CASE BELOW 1 GHZ

HORIZONTAL



VERTICAL



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_750	Below_1G[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	OPK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	87.521	37.91	Pk	15	-30.4	0	22.51	40	-17.49	0-360	100	H
3	143.102	36.28	Pk	13.8	-29.8	0	20.28	43.52	-23.24	0-360	100	H
5	239.52	37.76	Pk	18.2	-29	0	26.96	46.02	-19.06	0-360	100	H
2	39.506	38.88	Pk	18.6	-31	0	26.48	40	-13.52	0-360	200	V
4	190.729	31.18	Pk	16.6	-29.4	0	18.38	43.52	-25.14	0-360	200	V
6	381.722	30.85	Pk	21	-28.1	0	23.75	46.02	-22.27	0-360	400	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.

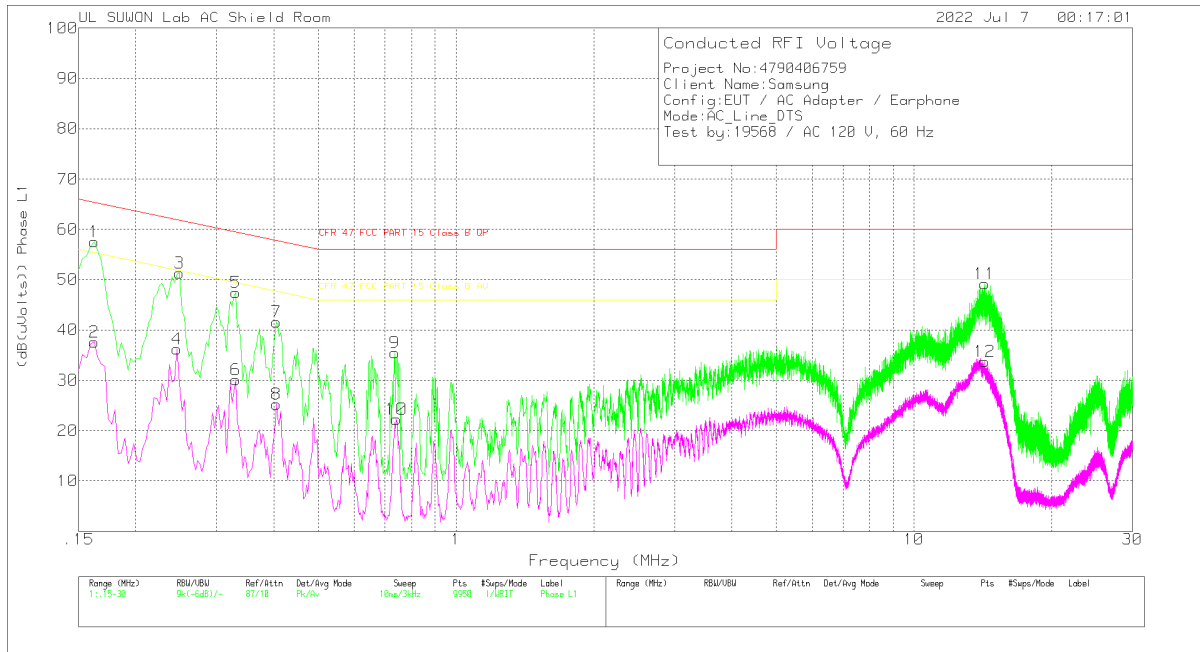
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1.1. AC Power Line (C to A)

LINE 1 RESULTS



Trace Markers

Range 1: Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_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	.162	47.57	Pk	9.9	.1	57.57	65.36	-7.79	-	-
2	.162	27.64	Av	9.9	.1	37.64	-	-	55.36	-17.72
3	.249	41.51	Pk	9.6	.2	51.31	61.79	-10.48	-	-
4	.246	26.38	Av	9.6	.2	36.18	-	-	51.89	-15.71
5	.33	37.4	Pk	9.8	.2	47.4	59.45	-12.05	-	-
6	.33	20.12	Av	9.8	.2	30.12	-	-	49.45	-19.33
7	.405	31.61	Pk	9.8	.2	41.61	57.75	-16.14	-	-
8	.405	15.25	Av	9.8	.2	25.25	-	-	47.75	-22.5
9	.735	25.53	Pk	9.8	.2	35.53	56	-20.47	-	-
10	.741	12.22	Av	9.8	.2	22.22	-	-	46	-23.78
11	14.28	38.76	Pk	10	.4	49.16	60	-10.84	-	-
12	14.277	23.28	Av	10	.4	33.68	-	-	50	-16.32

Pk - Peak detector

Av - Average detection

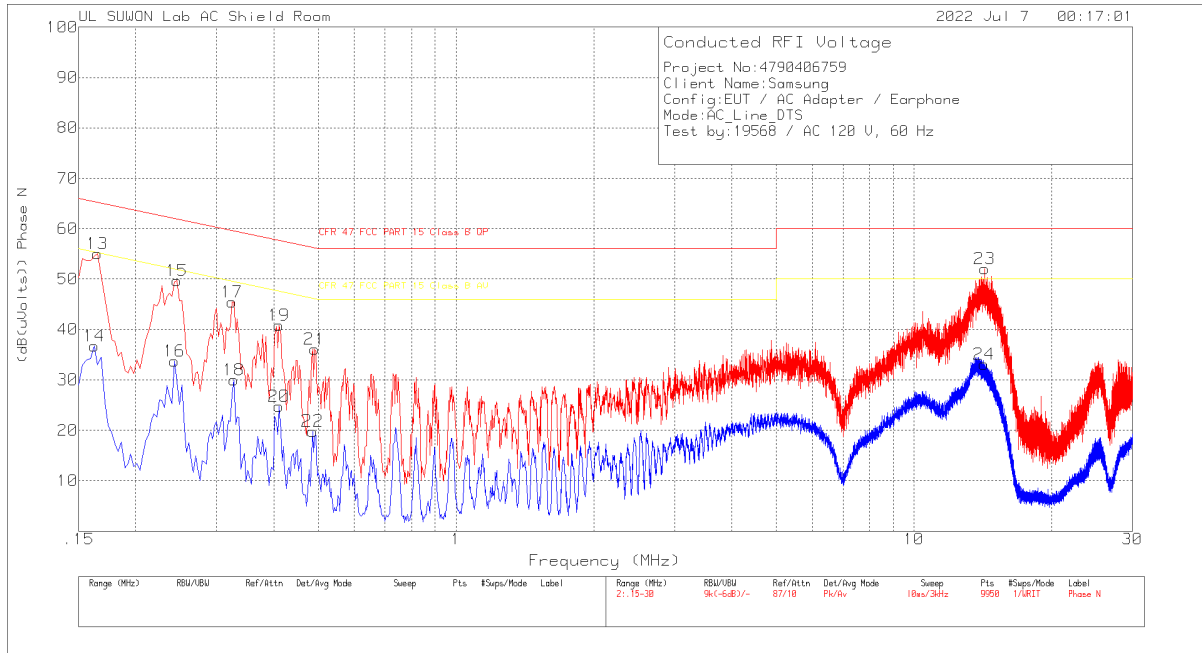
Quasi-Peak Emissions

Range 1: Phase L1 .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101836_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)
.16125	42.82	Qp	9.9	.1	52.82	65.4	-12.58	-	-

Qp - Quasi-Peak detector

LINE 2 RESULTS



Trace Markers

Range 2: Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_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	.165	44.99	Pk	9.9	.1	54.99	65.21	-10.22	-	-
14	.162	26.67	Av	9.9	.1	36.67	-	-	55.36	-18.69
15	.246	39.91	Pk	9.6	.2	49.71	61.89	-12.18	-	-
16	.243	23.89	Av	9.6	.2	33.69	-	-	51.99	-18.3
17	.324	35.6	Pk	9.7	.2	45.5	59.6	-14.1	-	-
18	.327	20.04	Av	9.7	.2	29.94	-	-	49.53	-19.59
19	.411	30.79	Pk	9.8	.2	40.79	57.63	-16.84	-	-
20	.411	14.71	Av	9.8	.2	24.71	-	-	47.63	-22.92
21	.492	26.05	Pk	9.9	.2	36.15	56.13	-19.98	-	-
22	.486	9.73	Av	9.9	.2	19.83	-	-	46.24	-26.41
23	14.271	41.66	Pk	10	.4	52.06	60	-7.94	-	-
24	14.229	22.67	Av	10	.4	33.07	-	-	50	-16.93

Pk - Peak detector

Av - Average detection

Quasi-Peak Emissions

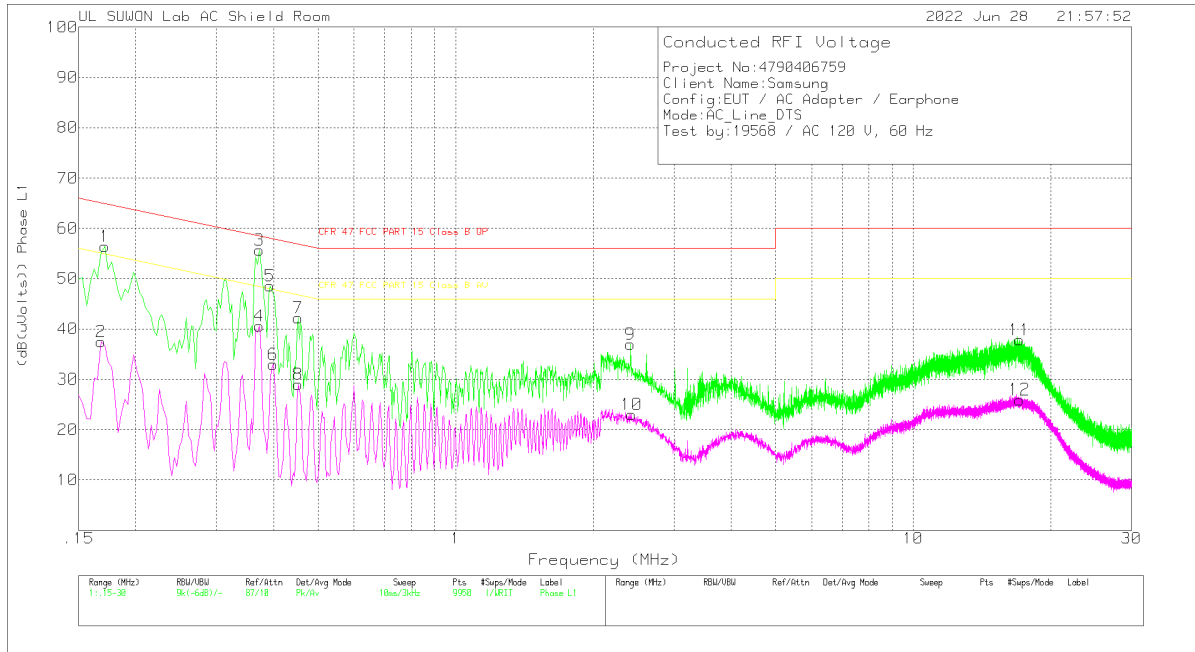
Range 2: Phase N .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101836_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)
14.2718	33.69	Qp	10	.4	44.09	60	-15.91	-	-

Qp - Quasi-Peak detector

11.1.2. AC Power Line (C to C)

LINE 1 RESULTS



Trace Markers

Range 1: Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_With 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	.171	46.2	Pk	10	.2	56.4	64.91	-8.51	-	-
2	.168	27.32	Av	10	.1	37.42	-	-	55.06	-17.64
3	.372	45.7	Pk	9.8	.2	55.7	58.46	-2.76	-	-
4	.372	30.57	Av	9.8	.2	40.57	-	-	48.46	-7.89
5	.393	38.6	Pk	9.8	.2	48.6	58	-9.4	-	-
6	.399	22.96	Av	9.8	.2	32.96	-	-	47.87	-14.91
7	.453	32.16	Pk	9.9	.2	42.26	56.82	-14.56	-	-
8	.453	18.85	Av	9.9	.2	28.95	-	-	46.82	-17.87
9	2.409	26.92	Pk	9.7	.3	36.92	56	-19.08	-	-
10	2.421	13.06	Av	9.7	.3	23.06	-	-	46	-22.94
11	17.076	27.37	Pk	10.1	.4	37.87	60	-22.13	-	-
12	17.064	15.44	Av	10.1	.4	25.94	-	-	50	-24.06

Pk - Peak detector

Av - Average detection

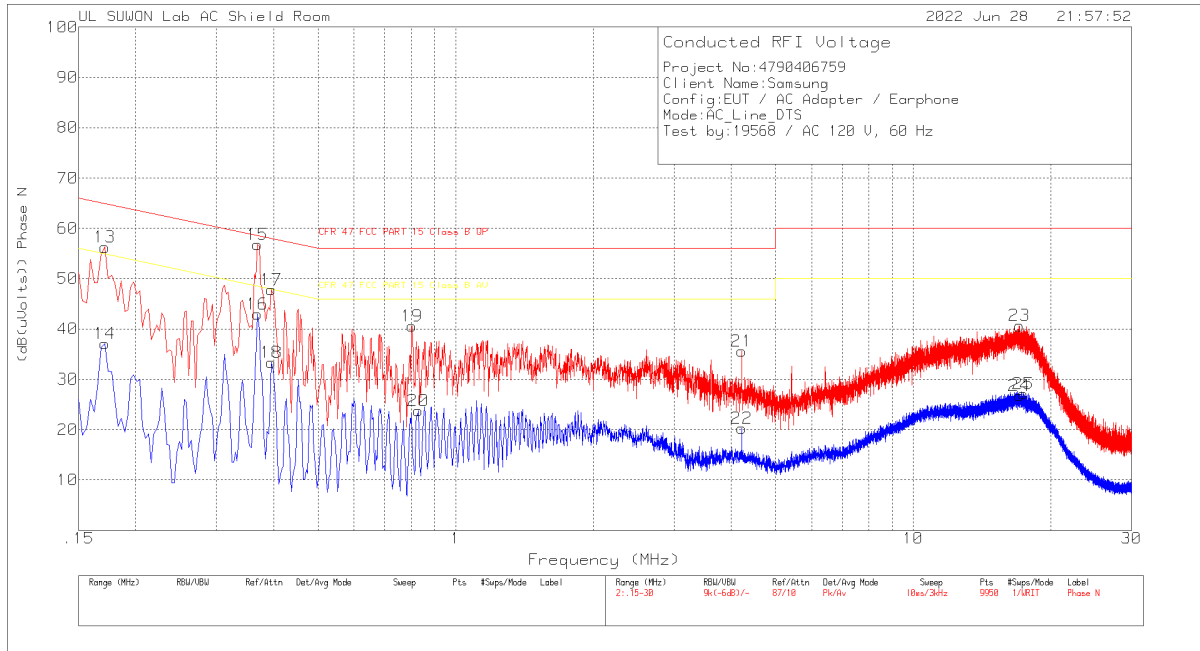
Quasi-Peak Emissions

Range 1: Phase L1 .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101836_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)
.17115	43.92	Qp	10	.2	54.12	64.9	-10.78	-	-
.37125	44.71	Qp	9.8	.2	54.71	58.47	-3.76	-	-
.39375	33.16	Qp	9.8	.2	43.16	57.98	-14.82	-	-

Qp - Quasi-Peak detector

LINE 2 RESULTS



Trace Markers

Range 2: Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_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	.171	46.03	Pk	10	.2	56.23	64.91	-8.68	-	-
14	.171	26.84	Av	10	.2	37.04	-	-	54.91	-17.87
15	.369	46.74	Pk	9.8	.2	56.74	58.52	-1.78	-	-
16	.369	32.93	Av	9.8	.2	42.93	-	-	48.52	-5.59
17	.396	37.81	Pk	9.8	.2	47.81	57.94	-10.13	-	-
18	.396	23.35	Av	9.8	.2	33.35	-	-	47.94	-14.59
19	.804	30.63	Pk	9.8	.2	40.63	56	-15.37	-	-
20	.828	13.61	Av	9.8	.3	23.71	-	-	46	-22.29
21	4.218	25.64	Pk	9.7	.3	35.64	56	-20.36	-	-
22	4.218	10.32	Av	9.7	.3	20.32	-	-	46	-25.68
23	17.052	30.15	Pk	10.1	.4	40.65	60	-19.35	-	-
24	17.049	16.23	Av	10.1	.4	26.73	-	-	50	-23.27
25	17.421	16.49	Av	10.2	.4	27.09	-	-	50	-22.91

Pk - Peak detector

Av - Average detection

Quasi-Peak Emissions

Range 2: Phase N .15 - 30MHz

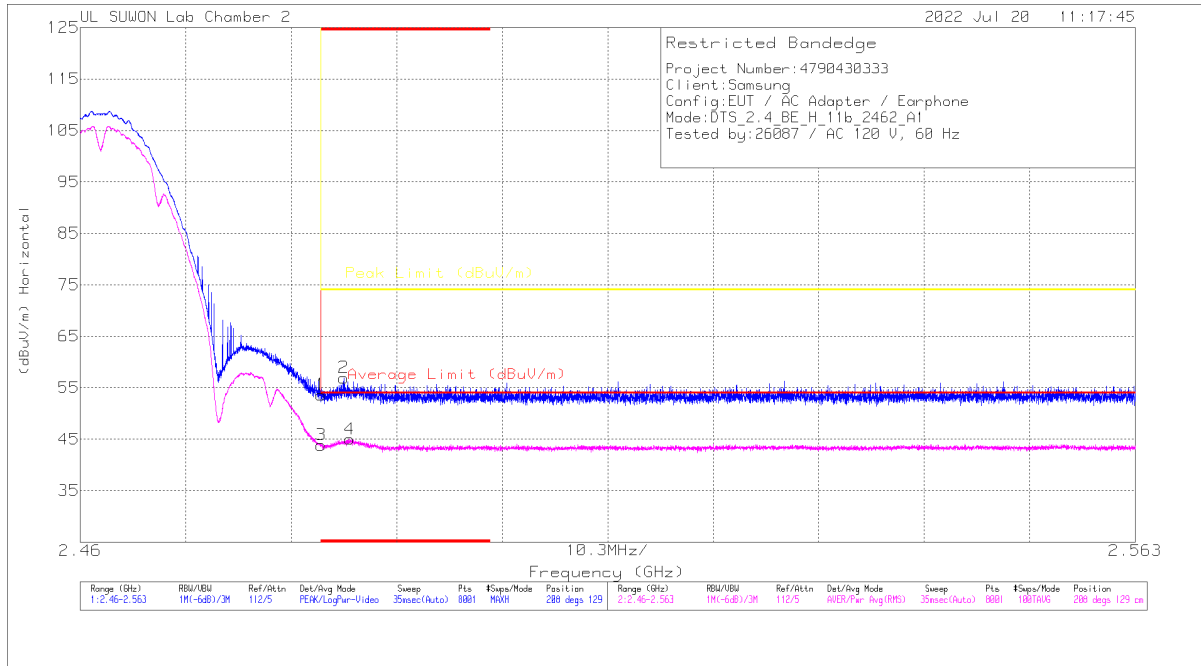
Frequency (MHz)	Meter Reading (dBuV)	Det	101836_With EX_N[dB]	CABLELOS S(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
.17115	43.57	Qp	10	.2	53.77	64.9	-11.13	-	-
.36975	43.79	Qp	9.8	.2	53.79	58.51	-4.72	-	-

Qp - Quasi-Peak detector

12. SPOT-CHECK TEST RESULT

BANDEDGE (WORST CASE: 802.11b ANT1 / 2462 MHz)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

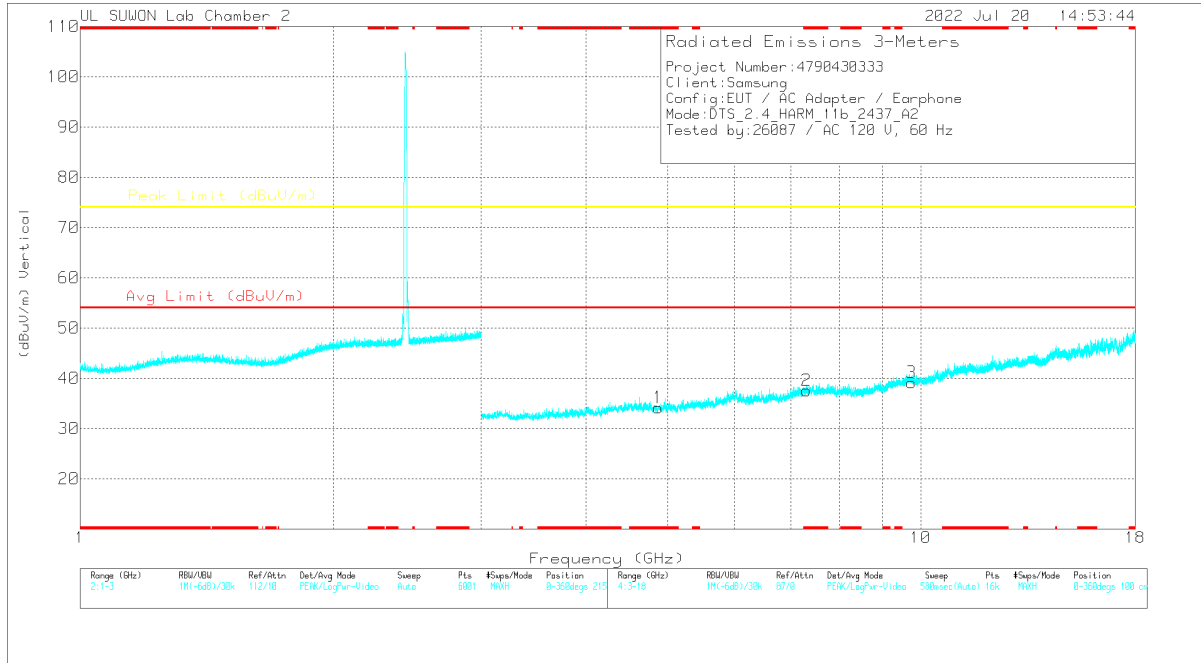
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
1	* 2.48351	41.21	PK	32	-19.6	0	53.61	-	-	74	-20.39	208	129	H
2	* 2.48572	44.55	PK	32	-19.6	0	56.95	-	-	74	-17.05	208	129	H
3	* 2.48351	31.47	RMS	32	-19.6	0	43.87	54	-10.13	-	-	208	129	H
4	* 2.48633	32.61	RMS	32	-19.6	0	45.01	54	-8.99	-	-	208	129	H

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

PK - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS(WORST CASE: 802.11b ANT2 / 2437 MHz)
2437 MHz VERTICAL



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

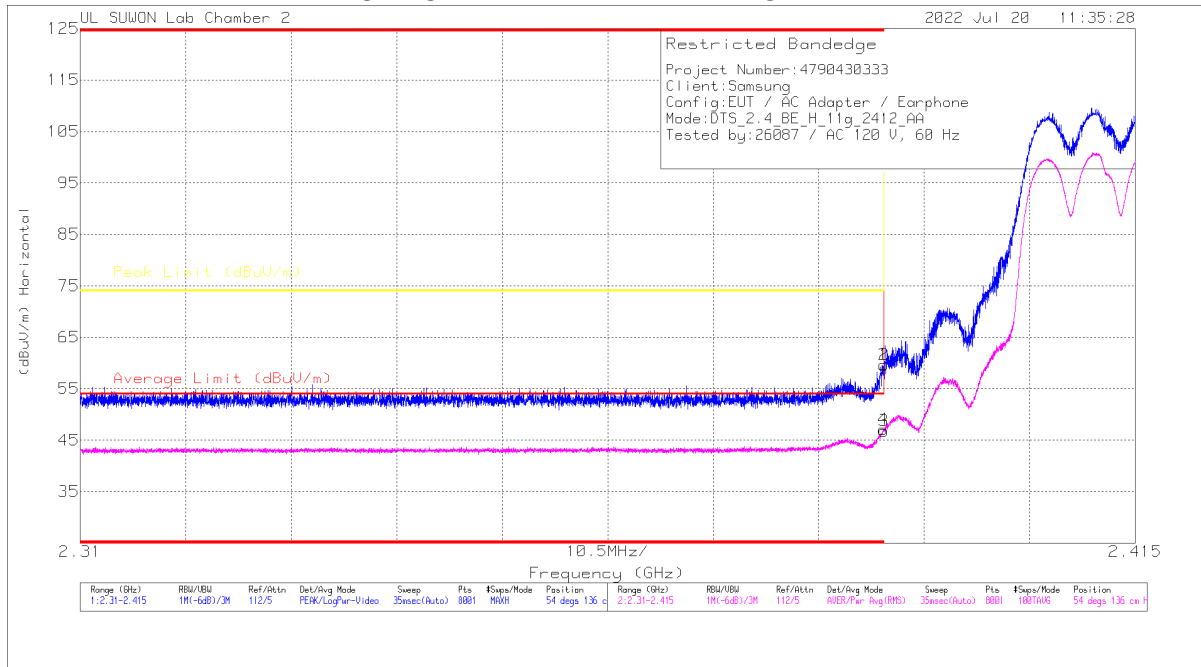
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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
9.75604	32.6	PK2	37.2	-20.9	0	48.9	-	-	74	-25.1	0	100	V

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

BANDEDGE (WORST CASE: 802.11g MIMO / 2412 MHz)

HORIZONTAL PEAK AND AVERAGE DATA

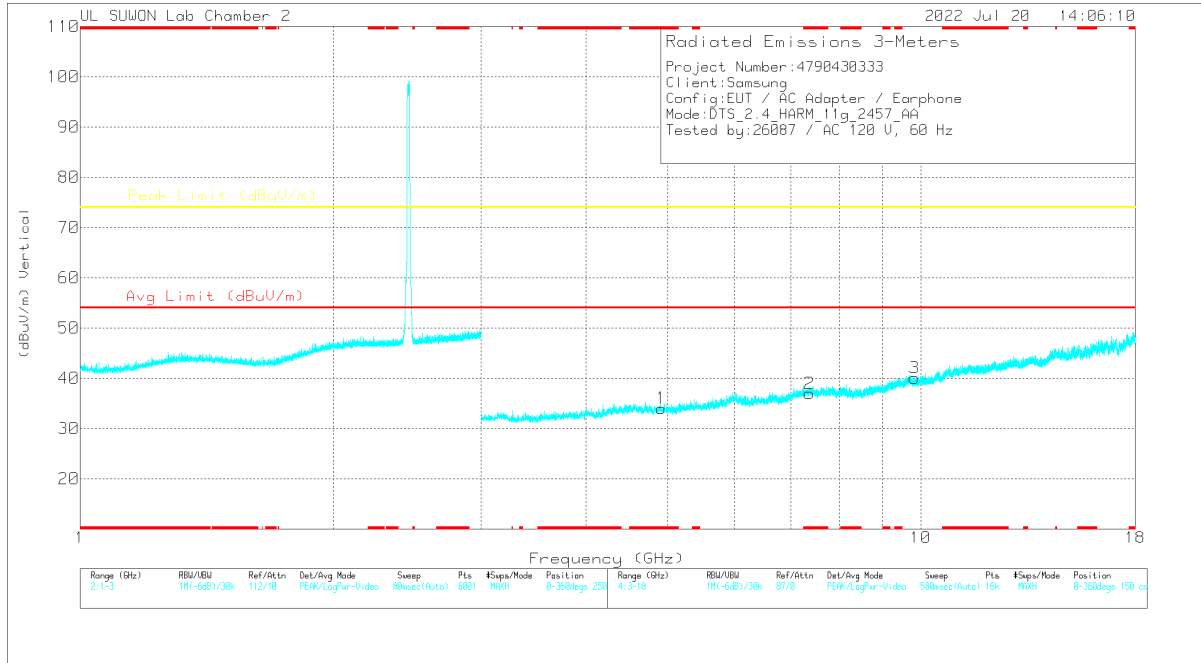


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	3117_00168724	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity	
1	* 2.39	52.25	Pk	31.9	-19.7	0	64.45	-	-	74	-9.55	52	110	H	
2	* 2.38997	52.42	Pk	31.9	-19.7	0	64.82	-	-	74	-9.38	52	110	H	
3	* 2.39	38.24	RMS	31.9	-19.7	.16	50.6	54	-3.4	-	-	-	-	-	
4	* 2.38998	38.68	RMS	31.9	-19.7	.16	51.04	54	-2.96	-	-	-	52	110	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 / 2457 MHz)
2457 MHz VERTICAL



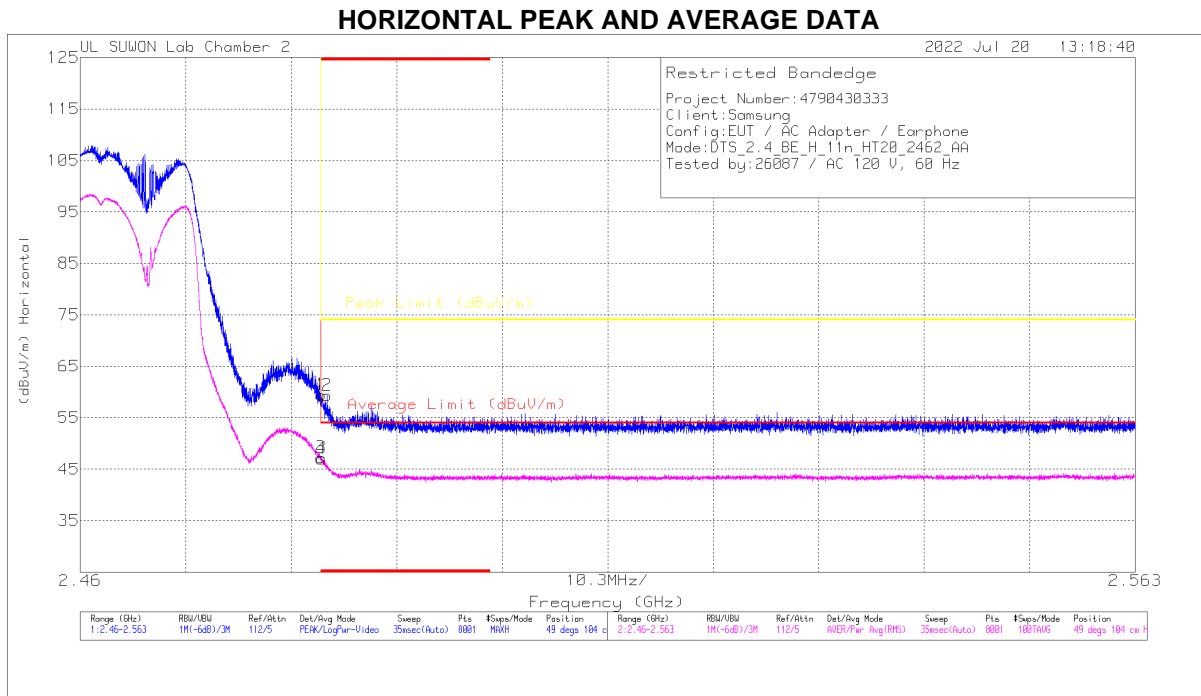
Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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
9.83326	32.07	PK2	37.3	-21.5	0	47.87	-	-	74	-26.13	0	100	V

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

BANDEDGE (WORST CASE: 802.11n HT20 MIMO / 2462 MHz)

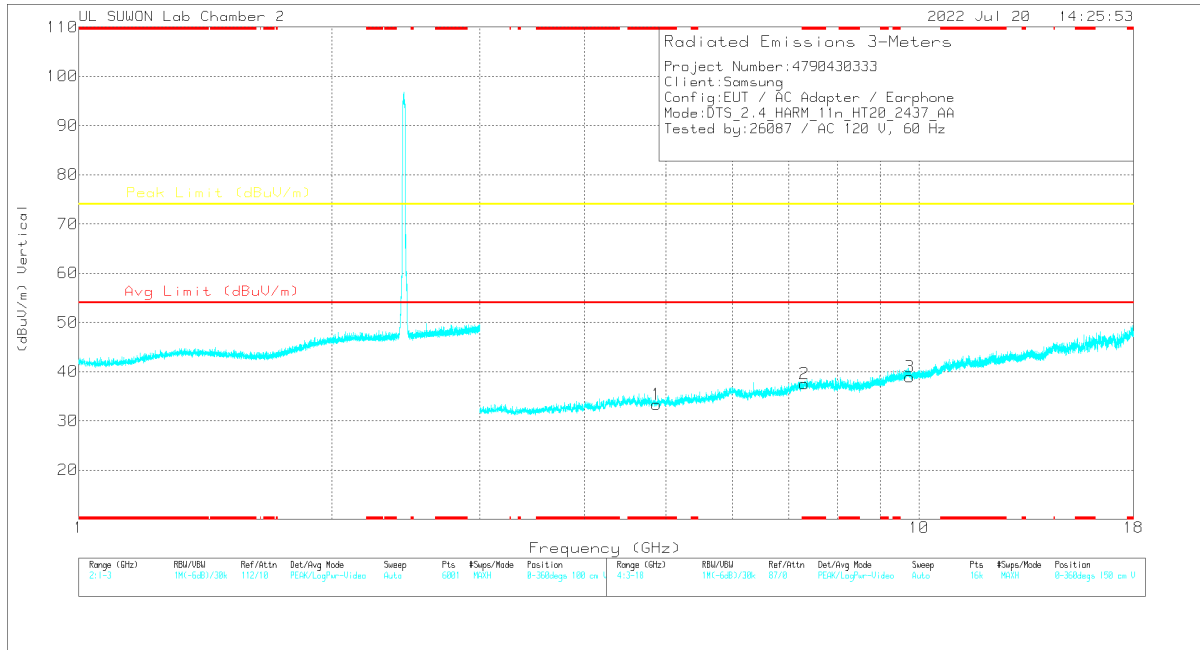


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	* 2.48351	47.1	Pk	32	-19.6	0	59.5	-	-	74	-14.5	49	104	H
2	* 2.4841	46.97	Pk	32	-19.6	0	59.37	-	-	74	-14.63	49	104	H
3	* 2.48351	34.77	RMS	32	-19.6	.09	47.26	54	-6.74	-	-	49	104	H
4	* 2.48354	34.57	RMS	32	-19.6	.09	47.06	54	-6.94	-	-	49	104	H

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

HARMONICS AND SPURIOUS EMISSIONS(WORST CASE: 802.11n HT20 MIMO / 2437 MHz)
2437 MHz VERTICAL



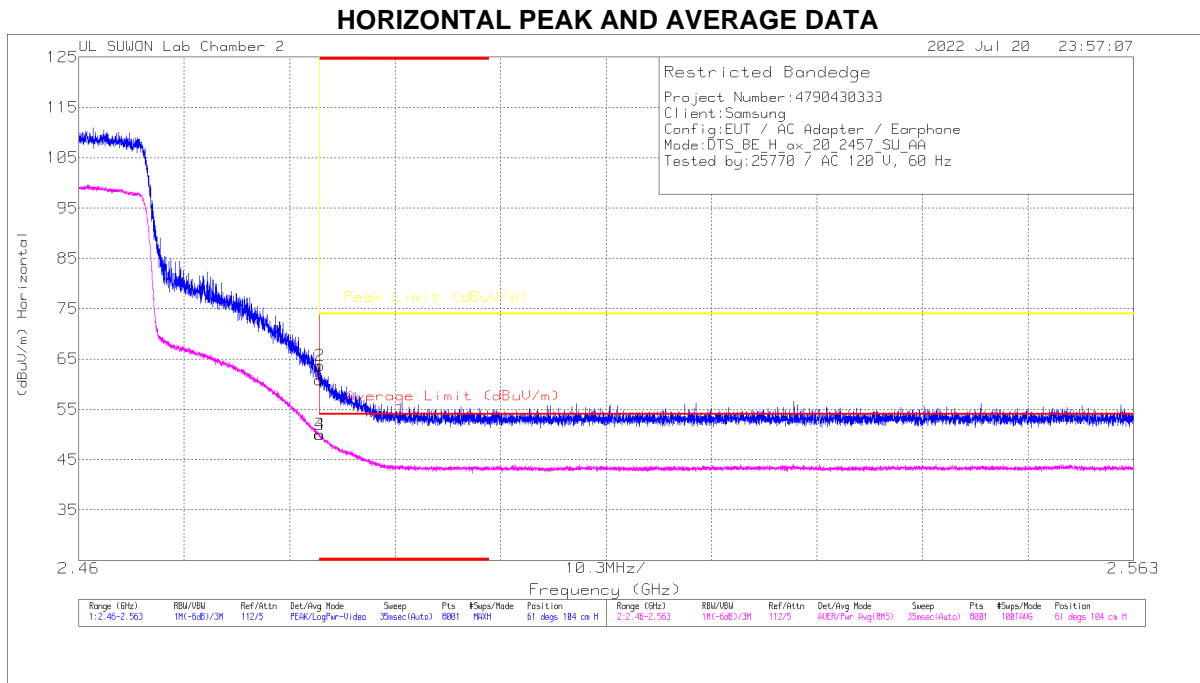
Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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
9.75714	32.38	PK2	37.2	-20.9	0	48.68	-	-	74	-25.32	0	100	V

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

BANDEDGE (WORST CASE: 802.11ax HE20(SU) MIMO / 2457 MHz)

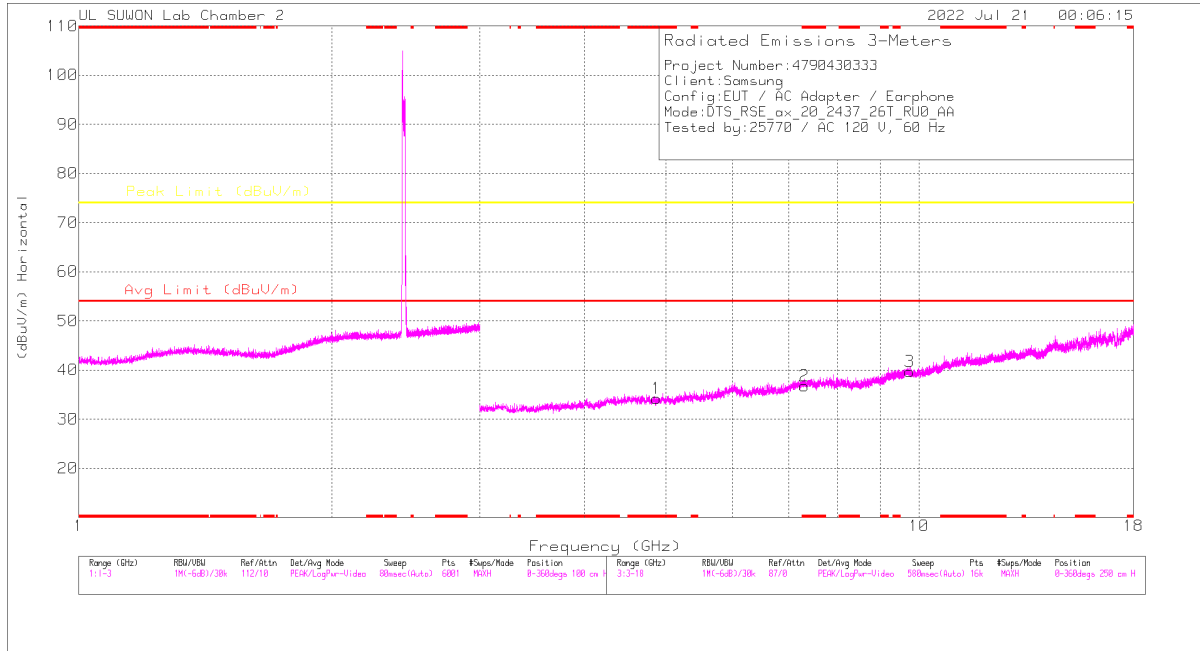


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	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	* 2.48351	48.49	PK	32	-19.6	0	60.89	-	-	74	-13.11	61	104	H
2	* 2.48355	51.35	PK	32	-19.6	0	63.75	-	-	74	-10.25	61	104	H
3	* 2.48351	37.57	RMS	32	-19.6	0	49.97	54	-4.03	-	-	61	104	H
4	* 2.48354	37.59	RMS	32	-19.6	0	49.99	54	-4.01	-	-	61	104	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 RU0 MIMO / 2437 MHz)
 2437 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_00168724	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
9.75057	32.48	PK2		-20.9	0	48.78	-	-	74	-25.22	0	100	H

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

END OF TEST REPORT