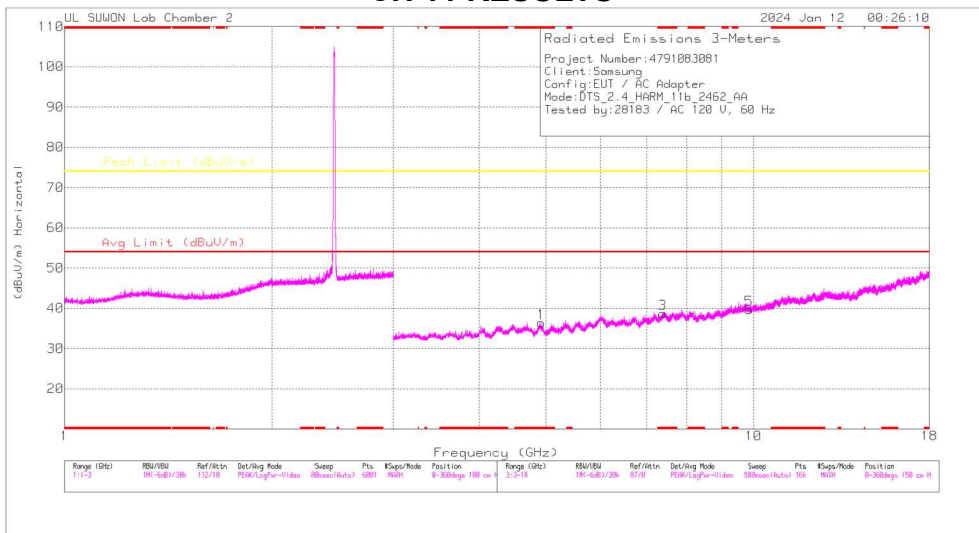
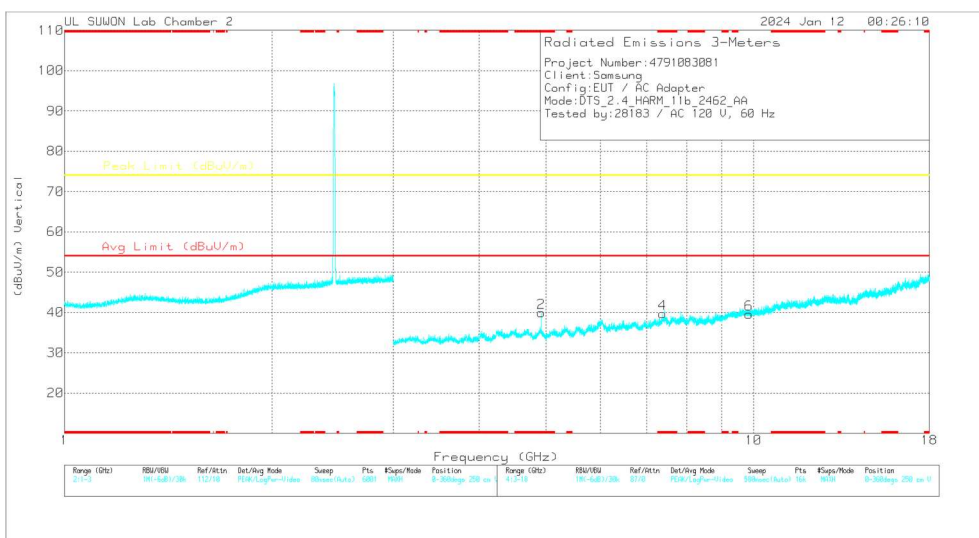


### HARMONICS AND SPURIOUS EMISSIONS(WORST CASE: 11 CHANNEL)

#### CH 11 RESULTS



#### HORIZONTAL



#### VERTICAL

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

#### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor(dBm)	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
* 4.92378	38.27	PK2	34	-26.2	0	46.07	-	-	74	-27.93	205	367	H
* 4.924	29.98	MAv1	34	-26.2	0	37.78	54	-16.22	-	-	205	367	H
* 4.92404	40.45	PK2	34	-26.2	0	48.25	-	-	74	-25.75	273	362	V
* 4.92399	34.36	MAv1	34	-26.2	0	42.16	54	-11.84	-	-	273	362	V
* 7.38508	34.78	PK2	35.7	-23	0	47.48	-	-	74	-26.52	0	100	H
* 7.38692	34.73	PK2	35.7	-23	0	47.43	-	-	74	-26.57	0	100	V
9.84843	32.71	PK2	37.2	-21	0	48.91	-	-	74	-25.09	0	100	H
9.84864	32.65	PK2	37.2	-21	0	48.85	-	-	74	-25.15	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/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2412	MIMO	* 4.82394	37.34	PK2	34.00	-27.00	0.00	44.34	-	-	74.00	-29.66	247	286	H
		* 4.82396	27.97	MAv1	34.00	-27.00	0.00	34.97	54.00	-19.03	-	-	247	286	H
		* 4.82411	39.34	PK2	34.00	-27.00	0.00	46.34	-	-	74.00	-27.66	273	337	V
		* 4.82403	32.18	MAv1	34.00	-27.00	0.00	39.18	54.00	-14.82	-	-	273	337	V
		7.23509	35.53	PK2	35.70	-24.50	0.00	46.73	-	-	74.00	-27.27	306	104	H
		7.23531	36.83	PK2	35.70	-24.50	0.00	48.03	-	-	74.00	-25.97	47	109	V
		9.64797	32.49	PK2	37.00	-20.90	0.00	48.59	-	-	74.00	-25.41	0	100	H
		9.64700	32.51	PK2	37.00	-20.80	0.00	48.71	-	-	74.00	-25.29	0	100	V
2437	MIMO	* 4.87429	38.00	PK2	34.00	-26.70	0.00	45.30	-	-	74.00	-28.70	76	102	H
		* 4.87394	26.73	MAv1	34.00	-26.80	0.00	33.93	54.00	-20.07	-	-	76	102	H
		* 4.87398	38.66	PK2	34.00	-26.80	0.00	45.86	-	-	74.00	-28.14	247	103	V
		* 4.87402	29.95	MAv1	34.00	-26.80	0.00	37.15	54.00	-16.85	-	-	247	103	V
		* 7.31173	34.75	PK2	35.70	-23.90	0.00	46.55	-	-	74.00	-27.45	0	100	H
		* 7.31149	35.01	PK2	35.70	-23.90	0.00	46.81	-	-	74.00	-27.19	0	100	V
		9.75163	32.61	PK2	37.10	-20.70	0.00	49.01	-	-	74.00	-24.99	0	100	H
		9.74730	33.06	PK2	37.10	-20.70	0.00	49.46	-	-	74.00	-24.54	0	100	V
2462	MIMO	* 4.92378	38.27	PK2	34.00	-26.20	0.00	46.07	-	-	74.00	-27.93	205	367	H
		* 4.924	29.98	MAv1	34.00	-26.20	0.00	37.78	54.00	-16.22	-	-	205	367	H
		* 4.92404	40.45	PK2	34.00	-26.20	0.00	48.25	-	-	74.00	-25.75	273	362	V
		* 4.92399	34.36	MAv1	34.00	-26.20	0.00	42.16	54.00	-11.84	-	-	273	362	V
		* 7.38508	34.78	PK2	35.70	-23.00	0.00	47.48	-	-	74.00	-26.52	0	100	H
		* 7.38692	34.73	PK2	35.70	-23.00	0.00	47.43	-	-	74.00	-26.57	0	100	V
		9.84843	32.71	PK2	37.20	-21.00	0.00	48.91	-	-	74.00	-25.09	0	100	H
		9.84864	32.65	PK2	37.20	-21.00	0.00	48.85	-	-	74.00	-25.15	0	100	V

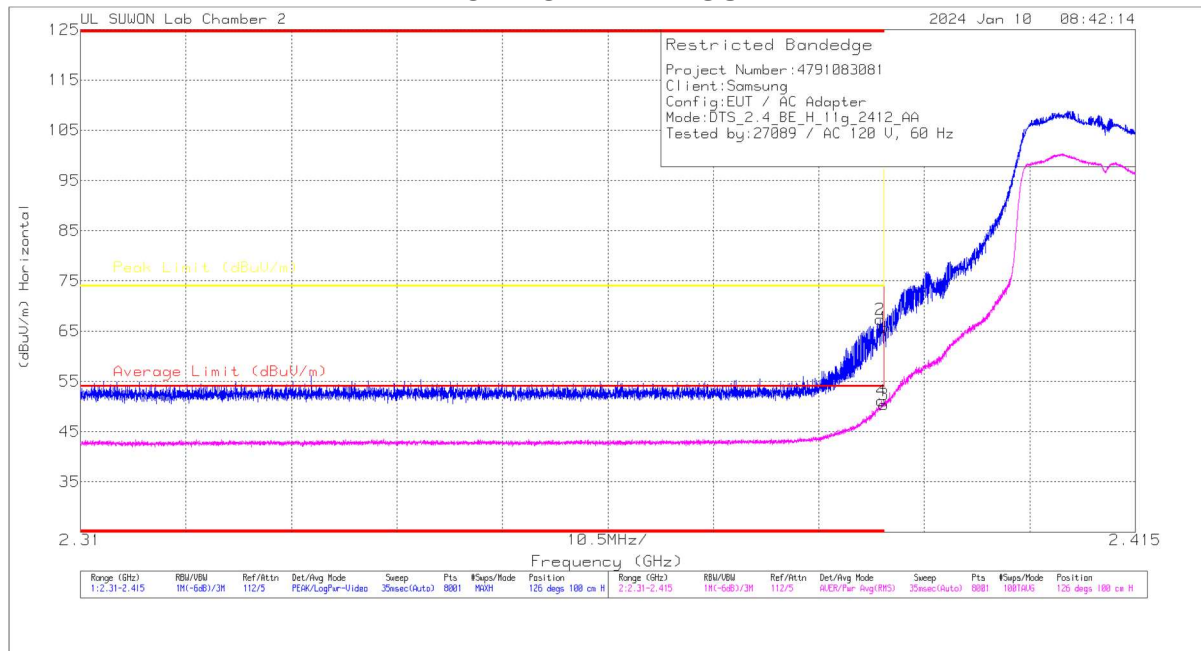
Note1. PK2 - KDB558074 Method: Maximum Peak / MAv1 - KDB558074 Option 1 Maximum RMS Average  
 Note2. \* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

#### 2TX Mode

#### BANDEDGE (WORST CASE: 1 CHANNEL)

#### HORIZONTAL RESULT



#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor(dBm)	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	* 2.39	53.56	Pk	31.7	-19.6	0	65.66	-	-	74	-8.34	126	100	H
2	* 2.38958	53.18	Pk	31.7	-19.6	0	67.26	-	-	74	-8.72	126	100	H
3	* 2.39	38.08	RMS	31.7	-19.6	-15	50.33	54	-3.67	-	-	126	100	H
4	* 2.38975	38.87	RMS	31.7	-19.6	-15	51.12	54	-2.88	-	-	126	100	H

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

Pk - Peak detector

RMS - RMS detection

**BANDEDGE TEST DATA**

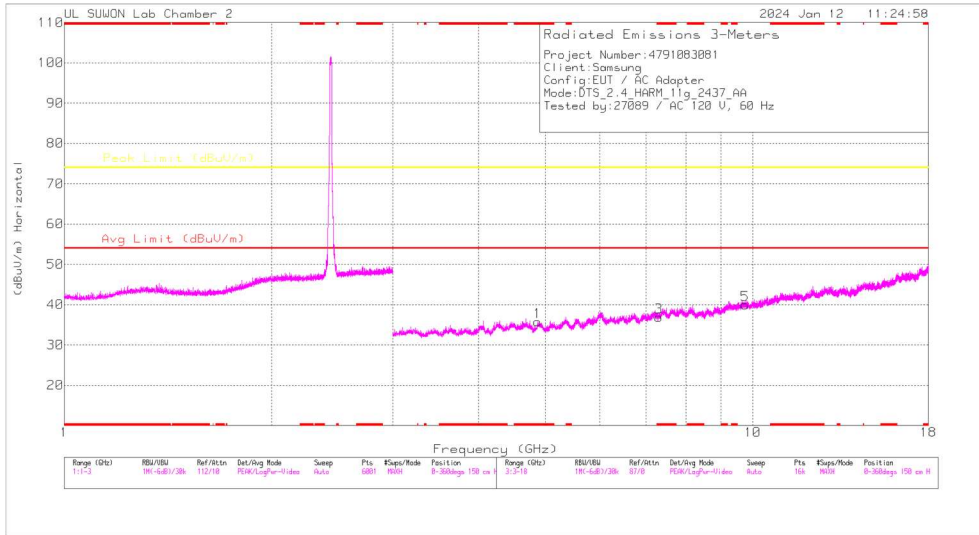
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity	
2412	MIMO	* 2.39	53.56	Pk	31.70	-19.60	0.00	65.66	-	-	74.00	-8.34	126	100	H	
		* 2.38958	55.18	Pk	31.70	-19.60	0.00	67.28	-	-	74.00	-6.72	126	100	H	
		* 2.39	38.08	RMS	31.70	-19.60	0.15	50.33	54.00	-3.67	-	-	-	126	100	H
		* 2.38975	38.87	RMS	31.70	-19.60	0.15	51.12	54.00	-2.88	-	-	-	126	100	H
		* 2.39	52.59	Pk	31.70	-19.60	0.00	64.69	-	-	74.00	-9.31	206	353	V	
		* 2.38977	53.77	Pk	31.70	-19.60	0.00	65.87	-	-	74.00	-8.13	206	353	V	
		* 2.39	36.12	RMS	31.70	-19.60	0.15	48.37	54.00	-5.63	-	-	-	206	353	V
		* 2.38998	36.40	RMS	31.70	-19.60	0.15	48.65	54.00	-5.35	-	-	206	353	V	
2457	MIMO	* 2.48351	50.19	Pk	31.90	-19.30	0.00	62.79	-	-	74.00	-11.21	146	100	H	
		* 2.48363	54.52	Pk	31.90	-19.30	0.00	67.12	-	-	74.00	-6.88	146	100	H	
		* 2.48351	37.76	RMS	31.90	-19.30	0.15	50.51	54.00	-3.49	-	-	-	146	100	H
		* 2.48359	38.34	RMS	31.90	-19.30	0.15	51.09	54.00	-2.91	-	-	-	146	100	H
		* 2.48351	48.46	Pk	31.90	-19.30	0.00	61.06	-	-	74.00	-12.94	184	297	V	
		* 2.48402	51.93	Pk	31.90	-19.30	0.00	64.53	-	-	74.00	-9.47	184	297	V	
		* 2.48351	36.58	RMS	31.90	-19.30	0.15	49.33	54.00	-4.67	-	-	-	184	297	V
		* 2.48355	36.36	RMS	31.90	-19.30	0.15	49.11	54.00	-4.89	-	-	184	297	V	
2462	MIMO	* 2.48351	50.54	Pk	31.90	-19.30	0.00	63.14	-	-	74.00	-10.86	147	100	H	
		* 2.48406	51.74	Pk	31.90	-19.30	0.00	64.34	-	-	74.00	-9.66	147	100	H	
		* 2.48351	34.15	RMS	31.90	-19.30	0.15	46.90	54.00	-7.10	-	-	-	147	100	H
		* 2.48378	34.54	RMS	31.90	-19.30	0.15	47.29	54.00	-6.71	-	-	-	147	100	H
		* 2.48351	48.47	Pk	31.90	-19.30	0.00	61.07	-	-	74.00	-12.93	185	296	V	
		* 2.48379	49.71	Pk	31.90	-19.30	0.00	62.31	-	-	74.00	-11.69	185	296	V	
		* 2.48351	32.57	RMS	31.90	-19.30	0.15	45.32	54.00	-8.68	-	-	-	185	296	V
		* 2.48354	32.89	RMS	31.90	-19.30	0.15	45.64	54.00	-8.36	-	-	185	296	V	
2467	MIMO	* 2.48351	49.48	Pk	31.90	-19.30	0.00	62.08	-	-	74.00	-11.92	163	212	H	
		* 2.48355	50.71	Pk	31.90	-19.30	0.00	63.31	-	-	74.00	-10.69	163	212	H	
		* 2.48351	34.88	RMS	31.90	-19.30	0.15	47.63	54.00	-6.37	-	-	-	163	212	H
		* 2.48355	35.41	RMS	31.90	-19.30	0.15	48.16	54.00	-5.84	-	-	-	163	212	H
		* 2.48351	48.05	Pk	31.90	-19.30	0.00	60.65	-	-	74.00	-13.35	205	376	V	
		* 2.48357	49.38	Pk	31.90	-19.30	0.00	61.98	-	-	74.00	-12.02	205	376	V	
		* 2.48351	34.12	RMS	31.90	-19.30	0.15	46.87	54.00	-7.13	-	-	-	205	376	V
		* 2.48384	33.98	RMS	31.90	-19.30	0.15	46.73	54.00	-7.27	-	-	205	376	V	
2472	MIMO	* 2.48351	52.46	Pk	31.90	-19.30	0.00	65.06	-	-	74.00	-8.94	163	143	H	
		* 2.48368	52.94	Pk	31.90	-19.30	0.00	65.54	-	-	74.00	-8.46	163	143	H	
		* 2.48351	34.90	RMS	31.90	-19.30	0.15	47.65	54.00	-6.35	-	-	-	163	143	H
		* 2.48352	35.71	RMS	31.90	-19.30	0.15	48.46	54.00	-5.54	-	-	-	163	143	H
		* 2.48351	48.42	Pk	31.90	-19.30	0.00	61.02	-	-	74.00	-12.98	203	365	V	
		* 2.48356	51.51	Pk	31.90	-19.30	0.00	64.11	-	-	74.00	-9.89	203	365	V	
		* 2.48351	35.41	RMS	31.90	-19.30	0.15	48.16	54.00	-5.84	-	-	-	203	365	V
		* 2.48356	35.71	RMS	31.90	-19.30	0.15	48.46	54.00	-5.54	-	-	203	365	V	

Note1. Pk - Peak detector, RMS - RMS detector

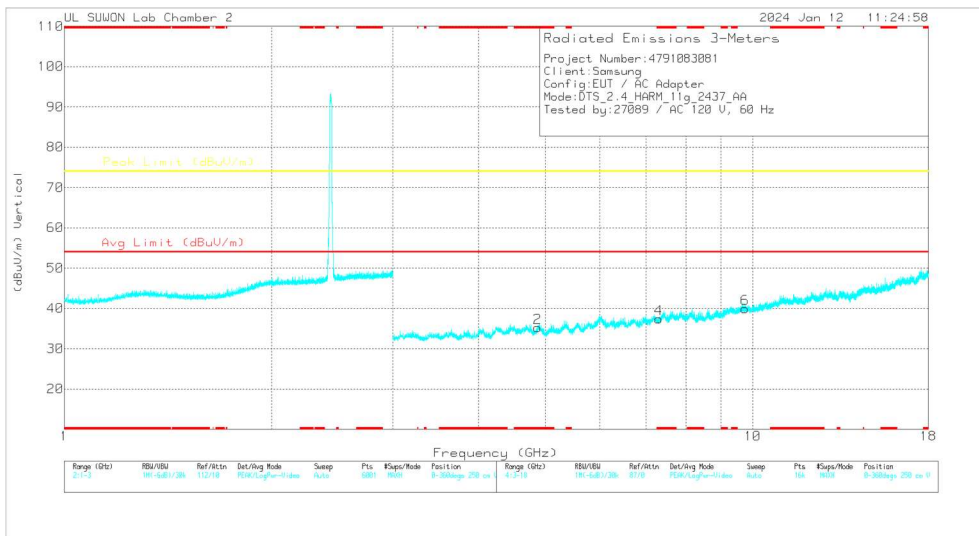
Note2. \* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

**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	Antenna Correction Factor(dBm)	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
* 4.87467	36.87	PK2	34	-26.7	0	44.17	-	-	74	-29.83	159	130	H
* 4.87707	25	MAv1	34	-26.7	.15	32.45	54	-21.55	-	-	159	130	H
* 4.87432	37.34	PK2	34	-26.7	0	44.64	-	-	74	-29.36	274	350	V
* 4.87397	25.63	MAv1	34	-26.8	.15	32.98	54	-21.02	-	-	274	350	V
* 7.30682	34.79	PK2	35.7	-23.9	0	46.59	-	-	74	-27.41	360	100	H
* 7.309	34.92	PK2	35.7	-23.9	0	46.72	-	-	74	-27.28	274	350	V
* 7.31417	22.97	MAv1	35.7	-23.8	.15	35.02	54	-18.98	-	-	274	350	V
9.7523	32.93	PK2	37.1	-20.7	0	49.33	-	-	74	-24.67	0	100	H
9.7499	32.67	PK2	37.1	-20.7	0	49.07	-	-	74	-24.93	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/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity	
2417	MIMO	* 4.83627	36.65	PK2	34.00	-27.00	0.00	43.65	-	-	74.00	-30.35	0	100	H	
		* 4.83441	36.76	PK2	34.00	-26.90	0.00	43.86	-	-	74.00	-30.14	241	376	V	
		* 4.83539	24.67	MAv1	34.00	-27.00	0.15	31.82	54.00	-22.18	-	-	-	241	376	V
		7.248	35.07	PK2	35.70	-24.50	0.00	46.27	-	-	74.00	-27.73	0	100	H	
		* 7.25144	35.62	PK2	35.70	-24.40	0.00	46.92	-	-	74.00	-27.08	0	100	V	
		9.667	32.61	PK2	37.00	-20.70	0.00	48.91	-	-	74.00	-25.09	0	100	H	
2437	MIMO	* 4.87467	36.87	PK2	34.00	-26.70	0.00	44.17	-	-	74.00	-29.83	159	130	H	
		* 4.87707	25.00	MAv1	34.00	-26.70	0.15	32.45	54.00	-21.55	-	-	159	130	H	
		* 4.87432	37.34	PK2	34.00	-26.70	0.00	44.64	-	-	74.00	-29.36	274	350	V	
		* 4.87397	25.63	MAv1	34.00	-26.80	0.15	32.98	54.00	-21.02	-	-	-	274	350	V
		* 7.30682	34.79	PK2	35.70	-23.90	0.00	46.59	-	-	74.00	-27.41	360	100	H	
		* 7.309	34.92	PK2	35.70	-23.90	0.00	46.72	-	-	74.00	-27.28	274	350	V	
		* 7.31417	22.97	MAv1	35.70	-23.80	0.15	35.02	54.00	-18.98	-	-	-	274	350	V
		9.752	32.93	PK2	37.10	-20.70	0.00	49.33	-	-	74.00	-24.67	0	100	H	
9.750	32.67	PK2	37.10	-20.70	0.00	49.07	-	-	74.00	-24.93	0	100	V			
2457	MIMO	* 4.91443	36.52	PK2	34.00	-26.30	0.00	44.22	-	-	74.00	-29.78	0	100	H	
		* 4.90713	36.53	PK2	34.00	-26.40	0.00	44.13	-	-	74.00	-29.87	0	100	V	
		* 7.37187	35.48	PK2	35.70	-23.10	0.00	48.08	-	-	74.00	-25.92	0	100	H	
		* 7.3751	35.13	PK2	35.70	-23.00	0.00	47.83	-	-	74.00	-26.17	0	100	V	
		9.828	32.48	PK2	37.20	-21.10	0.00	48.58	-	-	74.00	-25.42	0	100	H	
		9.837	32.35	PK2	37.20	-21.00	0.00	48.55	-	-	74.00	-25.45	0	100	V	

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

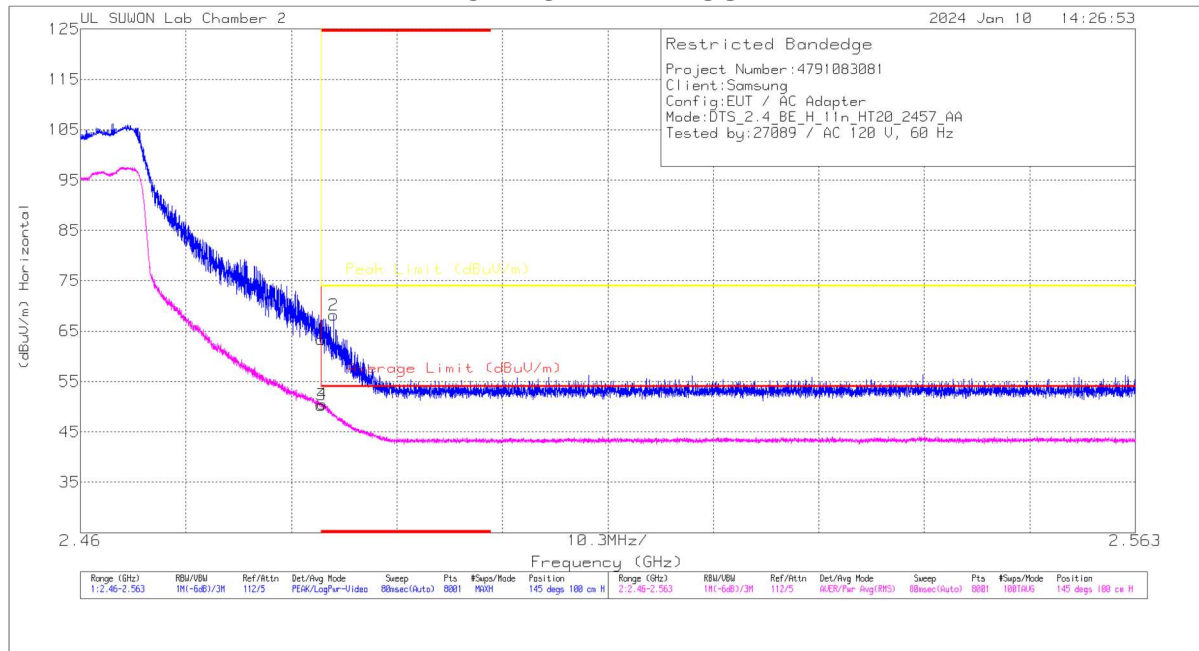
Note2. \* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

#### 2TX Mode

#### BANDEDGE (WORST CASE: 10 CHANNEL)

#### HORIZONTAL RESULT



#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dBm)	Loss (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	50.79	Pk	31.9	-19.3	0	63.39	-	-	74	-10.61	145	100	H
2	* 2.48472	55.65	PK	31.9	-19.3	0	66.25	-	-	74	-5.75	145	100	H
3	* 2.48351	37.72	RMS	31.9	-19.3	0	50.32	54	-3.68	-	-	145	100	H
4	* 2.48363	37.96	RMS	31.9	-19.3	0	50.56	54	-3.44	-	-	145	100	H

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

PK - Peak detector

RMS - RMS detection

**BANDEDGE TEST DATA**

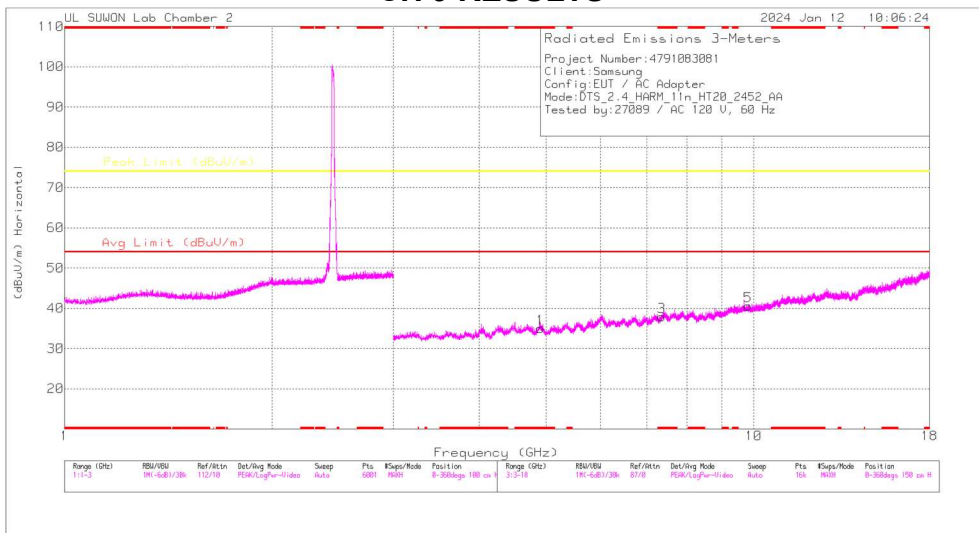
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity	
2412	MIMO	* 2.39	50.64	Pk	31.70	-19.60	0.00	62.74	-	-	74.00	-11.26	124	148	H	
		* 2.38723	51.36	Pk	31.70	-19.60	0.00	63.46	-	-	74.00	-10.54	124	148	H	
		* 2.39	34.19	RMS	31.70	-19.60	0.00	46.29	54.00	-7.71	-	-	-	124	148	H
		* 2.38991	34.47	RMS	31.70	-19.60	0.00	46.57	54.00	-7.43	-	-	-	124	148	H
		* 2.39	43.12	Pk	31.70	-19.60	0.00	55.22	-	-	74.00	-18.78	193	400	V	
		* 2.38782	49.28	Pk	31.70	-19.50	0.00	61.48	-	-	74.00	-12.52	193	400	V	
		* 2.39	32.99	RMS	31.70	-19.60	0.00	45.09	54.00	-8.91	-	-	-	193	400	V
* 2.3898	33.36	RMS	31.70	-19.60	0.00	45.46	54.00	-8.54	-	-	-	193	400	V		
2417	MIMO	* 2.39	50.21	Pk	31.70	-19.60	0.00	62.31	-	-	74.00	-11.69	128	169	H	
		* 2.38956	55.95	Pk	31.70	-19.60	0.00	68.05	-	-	74.00	-5.95	128	169	H	
		* 2.39	35.03	RMS	31.70	-19.60	0.00	47.13	54.00	-6.87	-	-	-	128	169	H
		* 2.38955	35.79	RMS	31.70	-19.60	0.00	47.89	54.00	-6.11	-	-	-	128	169	H
		* 2.39	49.32	Pk	31.70	-19.60	0.00	61.42	-	-	74.00	-12.58	207	352	V	
		* 2.38971	51.68	Pk	31.70	-19.60	0.00	63.78	-	-	74.00	-10.22	207	352	V	
		* 2.39	32.51	RMS	31.70	-19.60	0.00	44.61	54.00	-9.39	-	-	-	207	352	V
* 2.38975	33.10	RMS	31.70	-19.60	0.00	45.20	54.00	-8.80	-	-	-	207	352	V		
2452	MIMO	* 2.48351	48.87	Pk	31.90	-19.30	0.00	61.47	-	-	74.00	-12.53	130	208	H	
		* 2.48495	53.42	Pk	31.90	-19.30	0.00	66.02	-	-	74.00	-7.98	130	208	H	
		* 2.48351	36.00	RMS	31.90	-19.30	0.00	48.60	54.00	-5.40	-	-	-	130	208	H
		* 2.48387	36.34	RMS	31.90	-19.30	0.00	48.94	54.00	-5.06	-	-	-	130	208	H
		* 2.48351	50.66	Pk	31.90	-19.30	0.00	63.26	-	-	74.00	-10.74	207	381	V	
		* 2.48411	52.40	Pk	31.90	-19.30	0.00	65.00	-	-	74.00	-9.00	207	381	V	
		* 2.48351	34.85	RMS	31.90	-19.30	0.00	47.45	54.00	-6.55	-	-	-	207	381	V
* 2.48378	35.09	RMS	31.90	-19.30	0.00	47.69	54.00	-6.31	-	-	-	207	381	V		
2457	MIMO	* 2.48351	50.79	Pk	31.90	-19.30	0.00	63.39	-	-	74.00	-10.61	145	100	H	
		* 2.48472	55.65	Pk	31.90	-19.30	0.00	68.25	-	-	74.00	-5.75	145	100	H	
		* 2.48351	37.72	RMS	31.90	-19.30	0.00	50.32	54.00	-3.68	-	-	-	145	100	H
		* 2.48363	37.96	RMS	31.90	-19.30	0.00	50.56	54.00	-3.44	-	-	-	145	100	H
		* 2.48351	51.40	Pk	31.90	-19.30	0.00	64.00	-	-	74.00	-10.00	200	333	V	
		* 2.484	54.44	Pk	31.90	-19.30	0.00	67.04	-	-	74.00	-6.96	200	333	V	
		* 2.48351	36.81	RMS	31.90	-19.30	0.00	49.41	54.00	-4.59	-	-	-	200	333	V
* 2.48355	37.18	RMS	31.90	-19.30	0.00	49.78	54.00	-4.22	-	-	-	200	333	V		
2462	MIMO	* 2.48351	51.47	Pk	31.90	-19.30	0.00	64.07	-	-	74.00	-9.93	166	144	H	
		* 2.48401	56.70	Pk	31.90	-19.30	0.00	69.30	-	-	74.00	-4.70	166	144	H	
		* 2.48351	36.75	RMS	31.90	-19.30	0.00	49.35	54.00	-4.65	-	-	-	166	144	H
		* 2.48404	37.21	RMS	31.90	-19.30	0.00	49.81	54.00	-4.19	-	-	-	166	144	H
		* 2.48351	48.79	Pk	31.90	-19.30	0.00	61.39	-	-	74.00	-12.61	199	333	V	
		* 2.48381	52.84	Pk	31.90	-19.30	0.00	65.44	-	-	74.00	-8.56	199	333	V	
		* 2.48351	33.90	RMS	31.90	-19.30	0.00	46.50	54.00	-7.50	-	-	-	199	333	V
* 2.48374	34.37	RMS	31.90	-19.30	0.00	46.97	54.00	-7.03	-	-	-	199	333	V		
2467	MIMO	* 2.48351	50.74	Pk	31.90	-19.30	0.00	63.34	-	-	74.00	-10.66	172	145	H	
		* 2.48417	51.98	Pk	31.90	-19.30	0.00	64.58	-	-	74.00	-9.42	172	145	H	
		* 2.48351	34.54	RMS	31.90	-19.30	0.00	47.14	54.00	-6.86	-	-	-	172	145	H
		* 2.48357	35.32	RMS	31.90	-19.30	0.00	47.92	54.00	-6.08	-	-	-	172	145	H
		* 2.48351	49.30	Pk	31.90	-19.30	0.00	61.90	-	-	74.00	-12.10	198	332	V	
		* 2.48411	53.84	Pk	31.90	-19.30	0.00	66.44	-	-	74.00	-7.56	198	332	V	
		* 2.48351	32.98	RMS	31.90	-19.30	0.00	45.58	54.00	-8.42	-	-	-	198	332	V
* 2.48355	33.45	RMS	31.90	-19.30	0.00	46.05	54.00	-7.95	-	-	-	198	332	V		
2472	MIMO	* 2.48351	51.49	Pk	31.90	-19.30	0.00	64.09	-	-	74.00	-9.91	170	117	H	
		* 2.48361	55.59	Pk	31.90	-19.30	0.00	68.19	-	-	74.00	-5.81	170	117	H	
		* 2.48351	36.10	RMS	31.90	-19.30	0.00	48.70	54.00	-5.30	-	-	-	170	117	H
		* 2.48354	36.50	RMS	31.90	-19.30	0.00	49.10	54.00	-4.90	-	-	-	170	117	H
		* 2.48351	51.85	Pk	31.90	-19.30	0.00	64.45	-	-	74.00	-9.55	202	364	V	
		* 2.48356	54.54	Pk	31.90	-19.30	0.00	67.14	-	-	74.00	-6.86	202	364	V	
		* 2.48351	34.52	RMS	31.90	-19.30	0.00	47.12	54.00	-6.88	-	-	-	202	364	V
* 2.48363	35.30	RMS	31.90	-19.30	0.00	47.90	54.00	-6.10	-	-	-	202	364	V		

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

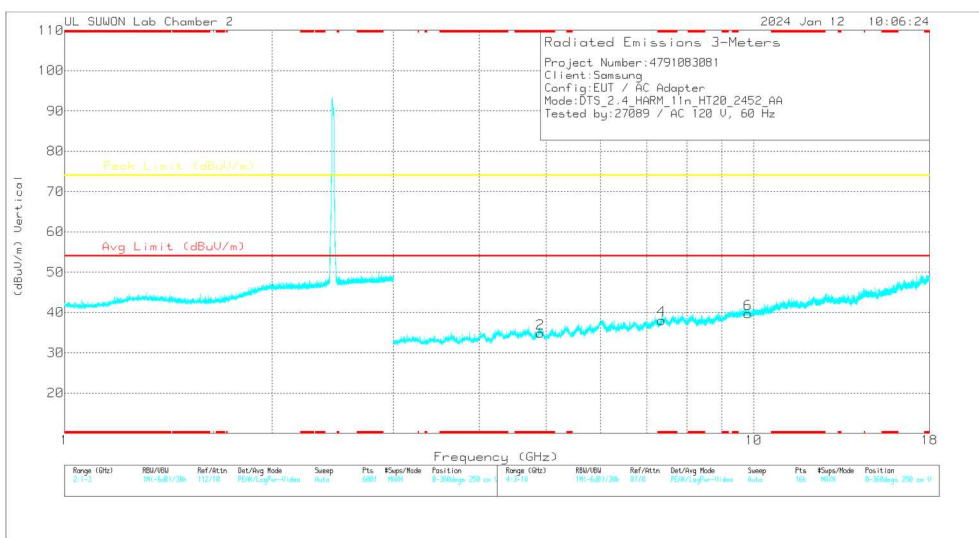


### HARMONICS AND SPURIOUS EMISSIONS (WORST CASE: 9 CHANNEL)

#### CH 9 RESULTS



#### HORIZONTAL



#### VERTICAL

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

#### Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dBm)	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
* 4.90237	37.06	PK2	34	-26.3	0	44.76	-	-	74	-29.24	0	100	H
* 4.9001	38.39	PK2	34	-26.4	0	45.99	-	-	74	-28.01	269	388	V
* 4.90347	25.95	MAv1	34	-26.3	0	33.65	54	-20.35	-	-	269	388	V
* 7.35457	34.44	PK2	35.7	-23.3	0	46.84	-	-	74	-27.16	0	100	H
* 7.35918	34.91	PK2	35.7	-23.2	0	47.41	-	-	74	-26.59	0	100	V
9.80866	32.49	PK2	37.2	-21	0	48.69	-	-	74	-25.31	0	100	H
9.80757	32.61	PK2	37.2	-21.1	0	48.71	-	-	74	-25.29	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/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2417	MIMO	* 4.83224	36.71	PK2	34.00	-26.90	0.00	43.81	-	-	74.00	-30.19	0	100	H
		* 4.834	37.31	PK2	34.00	-26.90	0.00	44.41	-	-	74.00	-29.59	271	380	V
		* 4.83663	24.95	MAv1	34.00	-27.00	0.00	31.95	54.00	-22.05	-	-	271	380	V
		* 7.25553	35.22	PK2	35.70	-24.40	0.00	46.52	-	-	74.00	-27.48	0	100	H
		7.247	35.31	PK2	35.70	-24.50	0.00	46.51	-	-	74.00	-27.49	0	100	V
		9.664	32.35	PK2	37.00	-20.80	0.00	48.55	-	-	74.00	-25.45	0	100	H
		9.672	32.34	PK2	37.00	-20.60	0.00	48.74	-	-	74.00	-25.26	0	100	V
2437	MIMO	* 4.87631	37.61	PK2	34.00	-26.70	0.00	44.91	-	-	74.00	-29.09	220	399	H
		* 4.87577	25.18	MAv1	34.00	-26.70	0.00	32.48	54.00	-21.52	-	-	220	399	H
		* 4.87202	37.52	PK2	34.00	-26.70	0.00	44.82	-	-	74.00	-29.18	269	399	V
		* 4.875	25.54	MAv1	34.00	-26.70	0.00	32.84	54.00	-21.16	-	-	269	399	V
		* 7.31247	34.94	PK2	35.70	-23.90	0.00	46.74	-	-	74.00	-27.26	0	100	H
		* 7.30772	34.93	PK2	35.70	-23.90	0.00	46.73	-	-	74.00	-27.27	0	100	V
		9.748	33.34	PK2	37.10	-20.70	0.00	49.74	-	-	74.00	-24.26	0	100	H
9.749	33.06	PK2	37.10	-20.70	0.00	49.46	-	-	74.00	-24.54	0	100	V		
2452	MIMO	* 4.90237	37.06	PK2	34.00	-26.30	0.00	44.76	-	-	74.00	-29.24	0	100	H
		* 4.9001	38.39	PK2	34.00	-26.40	0.00	45.99	-	-	74.00	-28.01	269	388	V
		* 4.90347	25.95	MAv1	34.00	-26.30	0.00	33.65	54.00	-20.35	-	-	269	388	V
		* 7.35457	34.44	PK2	35.70	-23.30	0.00	46.84	-	-	74.00	-27.16	0	100	H
		* 7.35918	34.91	PK2	35.70	-23.20	0.00	47.41	-	-	74.00	-26.59	0	100	V
		9.809	32.49	PK2	37.20	-21.00	0.00	48.69	-	-	74.00	-25.31	0	100	H
		9.808	32.61	PK2	37.20	-21.10	0.00	48.71	-	-	74.00	-25.29	0	100	V

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

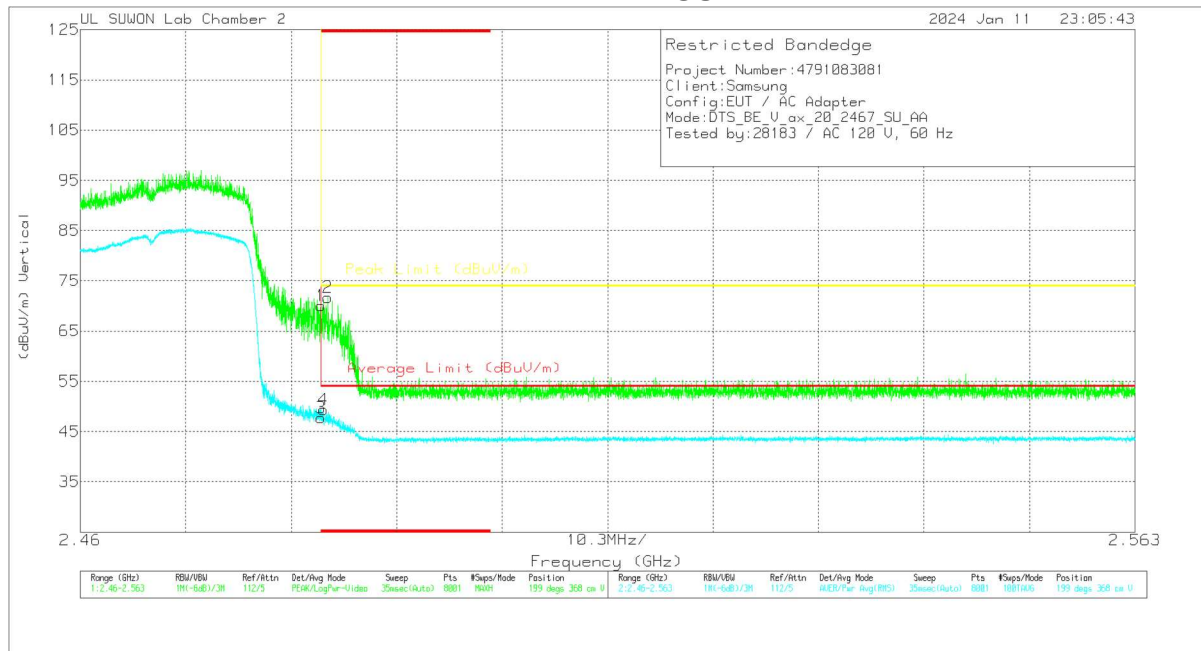
Note2. \* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

#### 2TX Mode

#### BANDEDGE (12 CHANNEL, SU)

### VERTICAL RESULT



#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dBm)	Loss (dB)	DC Cor (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	57.43	PK	31.9	-19.3	0	70.03	-	-	74	-3.97	199	368	V
2	* 2.48417	59.15	PK	31.9	-19.3	0	71.75	-	-	74	-2.25	199	368	V
3	* 2.48351	35	RMS	31.9	-19.3	-2	47.8	54	-6.2	-	-	199	368	V
4	* 2.48374	38.56	RMS	31.9	-19.3	-2	49.36	54	-4.64	-	-	199	368	V

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

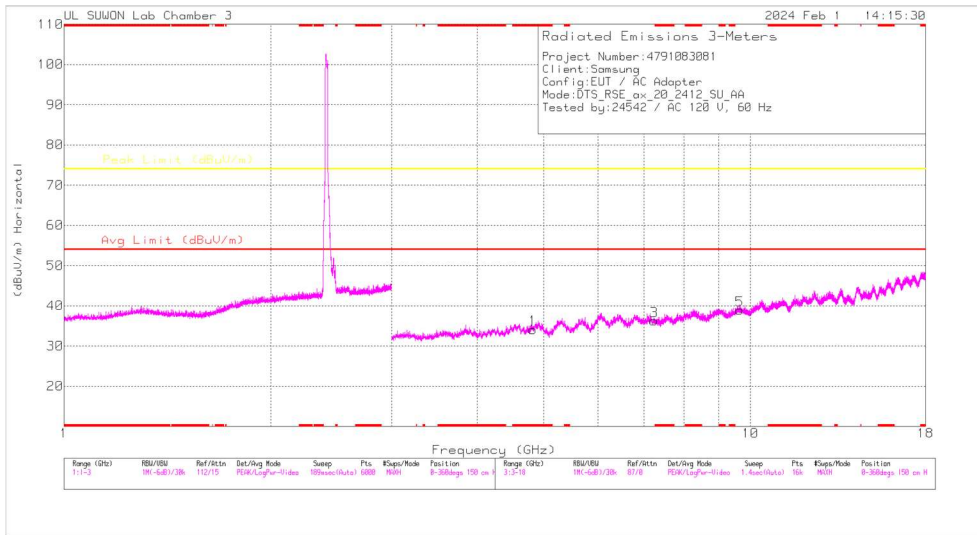
**BANDEDGE TEST DATA**

Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity	
2412 RU mode 26 Tone offset 0	MIMO	* 2.39	40.61	Pk	31.70	-19.60	0.00	52.71	-	-	74.00	-21.29	124	100	H	
		* 2.38832	45.22	Pk	31.70	-19.60	0.00	57.42	-	-	74.00	-16.58	124	100	H	
		* 2.39	31.59	RMS	31.70	-19.60	0.10	43.79	54.00	-10.21	-	-	-	124	100	H
		* 2.38886	31.84	RMS	31.70	-19.60	0.10	44.04	54.00	-9.96	-	-	-	124	100	H
		* 2.39	40.84	Pk	31.70	-19.60	0.00	52.94	-	-	74.00	-21.06	205	400	V	
		* 2.35296	43.82	Pk	31.60	-19.70	0.00	55.72	-	-	74.00	-18.28	205	400	V	
2412 SU mode	MIMO	* 2.39	30.54	RMS	31.70	-19.60	0.10	42.74	54.00	-11.26	-	-	205	400	V	
		* 2.39794	31.47	RMS	31.70	-19.50	0.10	43.77	54.00	-10.23	-	-	205	400	V	
		* 2.39	51.59	Pk	31.70	-19.60	0.00	63.69	-	-	74.00	-10.31	122	167	H	
		* 2.3891	54.24	Pk	31.70	-19.60	0.00	66.34	-	-	74.00	-7.66	122	167	H	
		* 2.39	37.63	RMS	31.70	-19.60	0.20	49.93	54.00	-4.07	-	-	122	167	H	
		* 2.38998	37.92	RMS	31.70	-19.60	0.20	50.22	54.00	-3.78	-	-	122	167	H	
2452 SU mode	MIMO	* 2.39	50.17	Pk	31.70	-19.60	0.00	62.27	-	-	74.00	-11.73	199	349	V	
		* 2.38998	51.29	Pk	31.70	-19.60	0.00	63.39	-	-	74.00	-10.61	199	349	V	
		* 2.39	35.71	RMS	31.70	-19.60	0.20	48.01	54.00	-5.99	-	-	199	349	V	
		* 2.38998	36.48	RMS	31.70	-19.60	0.20	48.78	54.00	-5.22	-	-	199	349	V	
		* 2.48351	40.46	Pk	31.90	-19.30	0.00	53.06	-	-	74.00	-20.94	131	142	H	
		* 2.48459	56.29	Pk	31.90	-19.30	0.00	68.89	-	-	74.00	-5.11	131	142	H	
2457 SU mode	MIMO	* 2.48351	32.16	RMS	31.90	-19.30	0.20	44.96	54.00	-9.04	-	-	131	142	H	
		* 2.48471	32.66	RMS	31.90	-19.30	0.20	45.46	54.00	-8.54	-	-	131	142	H	
		* 2.48351	50.04	Pk	31.90	-19.30	0.00	62.64	-	-	74.00	-11.36	201	329	V	
		* 2.48502	53.52	Pk	31.90	-19.30	0.00	66.12	-	-	74.00	-7.88	201	329	V	
		* 2.48351	31.43	RMS	31.90	-19.30	0.20	44.23	54.00	-9.77	-	-	201	329	V	
		* 2.48522	31.89	RMS	31.90	-19.30	0.20	44.69	54.00	-9.31	-	-	201	329	V	
2462 RU mode 26 Tone offset 8	MIMO	* 2.48351	44.28	Pk	31.90	-19.30	0.00	66.88	-	-	74.00	-7.12	222	142	H	
		* 2.48372	58.56	Pk	31.90	-19.30	0.00	71.16	-	-	74.00	-2.84	122	142	H	
		* 2.48351	37.07	RMS	31.90	-19.30	0.20	49.87	54.00	-4.13	-	-	122	142	H	
		* 2.4837	37.80	RMS	31.90	-19.30	0.20	50.60	54.00	-3.40	-	-	122	142	H	
		* 2.48351	49.98	Pk	31.90	-19.30	0.00	62.58	-	-	74.00	-11.42	203	375	V	
		* 2.48365	55.34	Pk	31.90	-19.30	0.00	67.94	-	-	74.00	-6.06	203	375	V	
2462 SU mode	MIMO	* 2.48351	36.75	RMS	31.90	-19.30	0.20	49.55	54.00	-4.45	-	-	203	375	V	
		* 2.48379	36.94	RMS	31.90	-19.30	0.20	49.74	54.00	-4.26	-	-	203	375	V	
		* 2.48351	43.28	Pk	31.90	-19.30	0.00	55.88	-	-	74.00	-18.12	162	144	H	
		* 2.48404	49.67	Pk	31.90	-19.30	0.00	62.27	-	-	74.00	-11.73	162	144	H	
		* 2.48351	31.86	RMS	31.90	-19.30	0.10	44.56	54.00	-9.44	-	-	162	144	H	
		* 2.48357	32.71	RMS	31.90	-19.30	0.10	45.11	54.00	-8.59	-	-	162	144	H	
2462 SU mode	MIMO	* 2.48351	42.80	Pk	31.90	-19.30	0.00	55.40	-	-	74.00	-18.60	202	371	V	
		* 2.48413	47.17	Pk	31.90	-19.30	0.00	59.77	-	-	74.00	-14.23	202	371	V	
		* 2.48351	31.92	RMS	31.90	-19.30	0.10	44.62	54.00	-9.38	-	-	202	371	V	
		* 2.48409	32.19	RMS	31.90	-19.30	0.10	44.89	54.00	-9.11	-	-	202	371	V	
		* 2.48351	51.34	Pk	31.90	-19.30	0.00	63.94	-	-	74.00	-10.06	164	144	H	
		* 2.48424	68.60	Pk	31.90	-19.30	0.00	71.20	-	-	74.00	-2.80	164	144	H	
2467 RU mode 26 Tone offset 8	MIMO	* 2.48351	38.16	RMS	31.90	-19.30	0.20	50.96	54.00	-3.04	-	-	164	144	H	
		* 2.484	38.77	RMS	31.90	-19.30	0.20	51.57	54.00	-2.43	-	-	164	144	H	
		* 2.48351	51.18	Pk	31.90	-19.30	0.00	63.78	-	-	74.00	-10.22	205	368	V	
		* 2.48435	56.97	Pk	31.90	-19.30	0.00	69.57	-	-	74.00	-4.43	205	368	V	
		* 2.48351	36.36	RMS	31.90	-19.30	0.20	49.16	54.00	-4.84	-	-	205	368	V	
		* 2.48383	37.31	RMS	31.90	-19.30	0.20	50.11	54.00	-3.89	-	-	205	368	V	
2467 SU mode	MIMO	* 2.48351	55.44	Pk	31.90	-19.30	0.00	68.04	-	-	74.00	-5.96	165	164	H	
		* 2.48397	58.58	Pk	31.90	-19.30	0.00	71.18	-	-	74.00	-2.82	165	164	H	
		* 2.48351	34.76	RMS	31.90	-19.30	0.10	47.46	54.00	-6.54	-	-	165	164	H	
		* 2.48373	35.90	RMS	31.90	-19.30	0.10	48.60	54.00	-5.40	-	-	165	164	H	
		* 2.48351	63.74	Pk	31.90	-19.30	0.00	66.34	-	-	74.00	-7.66	200	332	V	
		* 2.48356	57.38	Pk	31.90	-19.30	0.00	69.98	-	-	74.00	-4.02	200	332	V	
2472 RU mode 26 Tone offset 8	MIMO	* 2.48351	33.85	RMS	31.90	-19.30	0.10	46.55	54.00	-7.45	-	-	200	332	V	
		* 2.48383	34.79	RMS	31.90	-19.30	0.10	47.49	54.00	-6.51	-	-	200	332	V	
		* 2.48351	41.46	Pk	31.90	-19.30	0.00	54.06	-	-	74.00	-19.94	202	369	H	
		* 2.528	44.93	Pk	31.90	-19.30	0.00	57.53	-	-	74.00	-16.47	202	369	H	
		* 2.48351	30.82	RMS	31.90	-19.30	0.20	43.62	54.00	-10.38	-	-	202	369	H	
		* 2.546	31.43	RMS	32.00	-19.30	0.20	44.33	54.00	-9.67	-	-	202	369	H	
2472 SU mode	MIMO	* 2.48351	57.43	Pk	31.90	-19.30	0.00	70.03	-	-	74.00	-3.97	199	368	V	
		* 2.48417	59.15	Pk	31.90	-19.30	0.00	71.75	-	-	74.00	-2.25	199	368	V	
		* 2.48351	35.00	RMS	31.90	-19.30	0.20	47.80	54.00	-6.20	-	-	199	368	V	
		* 2.48374	36.56	RMS	31.90	-19.30	0.20	49.36	54.00	-4.64	-	-	199	368	V	
		* 2.48351	54.95	Pk	31.90	-19.30	0.00	67.55	-	-	74.00	-6.45	164	141	H	
		* 2.48397	57.72	Pk	31.90	-19.30	0.00	70.32	-	-	74.00	-3.68	164	141	H	
2472 RU mode 26 Tone offset 8	MIMO	* 2.48351	34.13	RMS	31.90	-19.30	0.10	46.83	54.00	-7.17	-	-	164	141	H	
		* 2.48352	35.43	RMS	31.90	-19.30	0.10	48.13	54.00	-5.87	-	-	164	141	H	
		* 2.48351	56.31	Pk	31.90	-19.30	0.00	68.91	-	-	74.00	-5.09	197	366	V	
		* 2.48361	64.62	Pk	31.90	-19.30	0.00	67.22	-	-	74.00	-6.78	197	366	V	
		* 2.48351	33.10	RMS	31.90	-19.30	0.10	45.80	54.00	-8.20	-	-	197	366	V	
		* 2.48355	33.69	RMS	31.90	-19.30	0.10	46.39	54.00	-7.61	-	-	197	366	V	
2472 SU mode	MIMO	* 2.48351	58.18	Pk	31.90	-19.30	0.00	70.78	-	-	74.00	-3.22	163	141	H	
		* 2.48354	58.81	Pk	31.90	-19.30	0.00	71.41	-	-	74.00	-2.59	163	141	H	
		* 2.48351	36.86	RMS	31.90	-19.30	0.20	49.68	54.00	-4.32	-	-	163	141	H	
		* 2.48356	37.72	RMS	31.90	-19.30	0.20	50.52	54.00	-3.48	-	-	163	141	H	
		* 2.48351	54.39	Pk	31.90	-19.30	0.00	66.99	-	-	74.00	-7.01	203	368	V	
		* 2.48384	58.66	Pk	31.90	-19.30	0.00	71.26	-	-	74.00	-2.74	203	368	V	
* 2.48351	35.50	RMS	31.90	-19.30	0.20	48.30	54.00	-5.70	-	-	203	368	V			
* 2.48365	36.70	RMS	31.90	-19.30	0.20	49.50	54.00	-4.50	-	-	203	368	V			

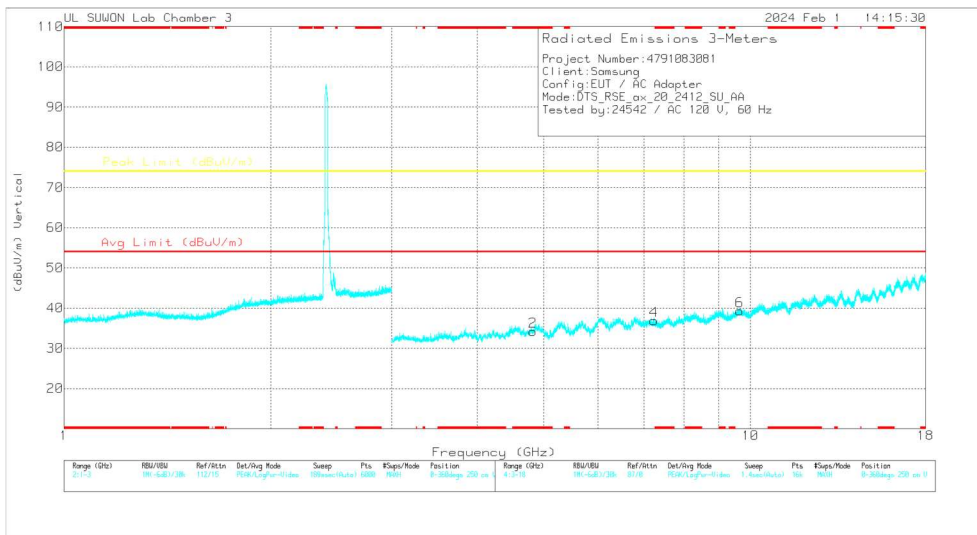
Note1. Pk - Peak detector, RMS - RMS detector  
 Note2. \* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

**HARMONICS AND SPURIOUS EMISSIONS (WORST CASE: 1 CHANNEL, SU)**

**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	Antenna Correction Factor(dB/m)	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
* 4.82245	40.21	PK2	34.3	-30.1	0	44.41	-	-	74	-29.59	0	100	H
* 4.82163	40.11	PK2	34.3	-30	0	44.41	-	-	74	-29.59	0	100	V
7.23817	36.18	PK2	35.8	-25.7	0	46.28	-	-	74	-27.72	0	100	H
7.23217	36.8	PK2	35.8	-25.8	0	46.8	-	-	74	-27.2	0	100	V
9.64874	33.85	PK2	36.8	-21.8	0	48.85	-	-	74	-25.15	0	100	H
9.64412	34.36	PK2	36.8	-21.8	0	49.36	-	-	74	-24.64	0	100	V

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

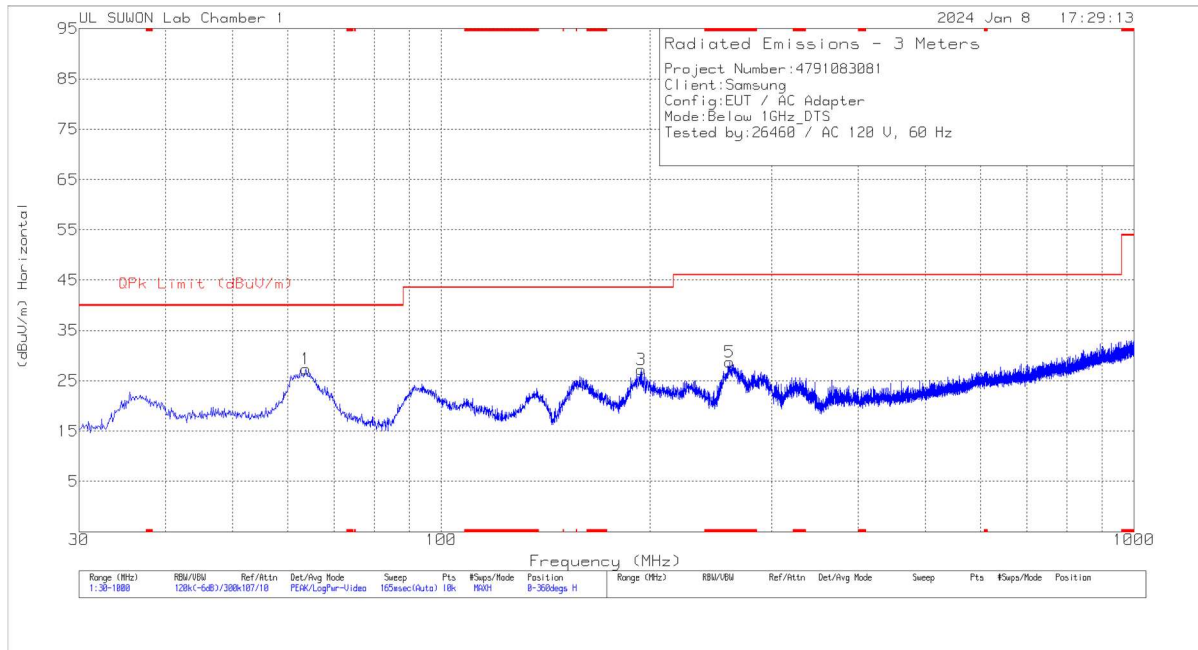
**HARMONICS AND SPURIOUS EMISSIONS TEST DATA**

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 SU Mode	MIMO	* 4.82245	40.21	PK2	34.30	-30.10	0.00	44.41	-	-	74.00	-29.59	0	100	H
		* 4.82163	40.11	PK2	34.30	-30.00	0.00	44.41	-	-	74.00	-29.59	0	100	V
		7.238	36.18	PK2	35.80	-25.70	0.00	46.28	-	-	74.00	-27.72	0	100	H
		7.232	36.80	PK2	35.80	-25.80	0.00	46.80	-	-	74.00	-27.20	0	100	V
		9.649	33.85	PK2	36.80	-21.80	0.00	48.85	-	-	74.00	-25.15	0	100	H
		9.644	34.36	PK2	36.80	-21.80	0.00	49.36	-	-	74.00	-24.64	0	100	V
2417 RU mode 26 Tone offset 0	MIMO	* 4.82321	36.07	PK2	34.00	-26.90	0.00	43.17	-	-	74.00	-30.83	0	100	H
		* 4.82629	36.32	PK2	34.00	-26.90	0.00	43.42	-	-	74.00	-30.58	0	100	V
		7.242	35.13	PK2	35.70	-24.40	0.00	46.43	-	-	74.00	-27.57	0	100	H
		7.239	35.22	PK2	35.70	-24.40	0.00	46.52	-	-	74.00	-27.48	0	100	V
		9.654	32.52	PK2	37.00	-20.70	0.00	48.82	-	-	74.00	-25.18	0	100	H
		9.651	32.32	PK2	37.00	-20.80	0.00	48.52	-	-	74.00	-25.48	0	100	V
2437 SU Mode	MIMO	* 4.86993	40.43	PK2	34.20	-29.90	0.00	44.73	-	-	74.00	-29.27	0	100	H
		* 4.86948	40.14	PK2	34.20	-29.90	0.00	44.44	-	-	74.00	-29.56	0	100	V
		* 7.31521	35.62	PK2	35.80	-25.50	0.00	45.92	-	-	74.00	-28.08	0	100	H
		* 7.31012	35.38	PK2	35.80	-25.50	0.00	45.68	-	-	74.00	-28.32	0	100	V
		9.745	33.17	PK2	36.90	-21.60	0.00	48.47	-	-	74.00	-25.53	0	100	H
		9.745	33.24	PK2	36.90	-21.60	0.00	48.54	-	-	74.00	-25.46	0	100	V
2437 RU mode 26 Tone offset 8	MIMO	* 4.86412	37.03	PK2	34.00	-26.80	0.00	44.23	-	-	74.00	-29.77	0	100	H
		* 4.88134	36.77	PK2	34.00	-26.60	0.00	44.17	-	-	74.00	-29.83	0	100	V
		* 7.3099	34.56	PK2	35.70	-23.90	0.00	46.36	-	-	74.00	-27.64	0	100	H
		* 7.31328	34.62	PK2	35.70	-23.80	0.00	46.52	-	-	74.00	-27.48	0	100	V
		9.741	32.15	PK2	37.10	-20.60	0.00	48.65	-	-	74.00	-25.35	0	100	H
		9.744	32.57	PK2	37.10	-20.60	0.00	49.07	-	-	74.00	-24.93	0	100	V
2457 SU Mode	MIMO	* 4.90228	40.86	PK2	34.20	-29.90	0.00	45.16	-	-	74.00	-28.84	0	100	H
		* 4.90465	40.43	PK2	34.20	-30.00	0.00	44.63	-	-	74.00	-29.37	0	100	V
		* 7.35457	35.56	PK2	35.80	-25.40	0.00	45.96	-	-	74.00	-28.04	0	100	H
		* 7.35604	36.04	PK2	35.80	-25.40	0.00	46.44	-	-	74.00	-27.56	0	100	V
		9.805	32.38	PK2	37.00	-21.40	0.00	47.98	-	-	74.00	-26.02	0	100	H
		9.807	32.85	PK2	37.00	-21.40	0.00	48.45	-	-	74.00	-25.55	0	100	V
2457 RU mode 26 Tone offset 0	MIMO	* 4.91648	36.40	PK2	34.00	-26.30	0.00	44.10	-	-	74.00	-29.90	0	100	H
		* 4.90548	36.47	PK2	34.00	-26.40	0.00	44.07	-	-	74.00	-29.93	0	100	V
		* 7.37924	34.48	PK2	35.70	-23.00	0.00	47.18	-	-	74.00	-26.82	0	100	H
		* 7.36839	34.76	PK2	35.70	-23.20	0.00	47.26	-	-	74.00	-26.74	0	100	V
		9.828	32.08	PK2	37.20	-21.10	0.00	48.18	-	-	74.00	-25.82	0	100	H
		9.823	32.79	PK2	37.20	-21.00	0.00	48.99	-	-	74.00	-25.01	0	100	V

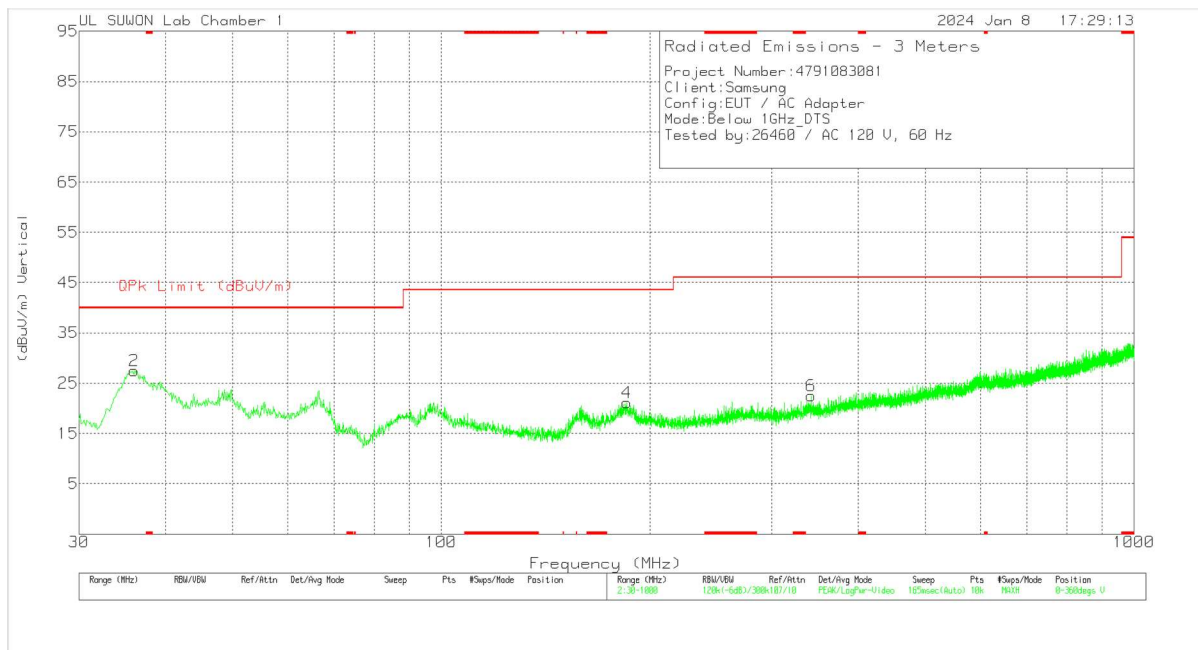
Note1. PK2 - KDB558074 Method: Maximum Peak / MAV1 - KDB558074 Option 1 Maximum RMS Average

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	Antenn Correction Factor(dB/m)	Loss(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	OPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Marker
1	63.756	40.83	PK	17.2	-30.7	0	27.33	40	-12.67	0-360	100	H
3	194.512	39.58	PK	17	-29.3	0	27.28	43.52	-16.24	0-360	100	H
5	* 260.86	39.39	PK	18.1	-28.8	0	28.69	46.02	-17.33	0-360	100	H
2	36.014	41.74	PK	16.9	-31.1	0	27.54	40	-12.46	0-360	200	V
4	185.394	34.88	PK	15.7	-29.4	0	21.18	43.52	-22.34	0-360	200	V
6	342.049	30.62	PK	20.2	-28.3	0	22.52	46.02	-23.5	0-360	400	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.

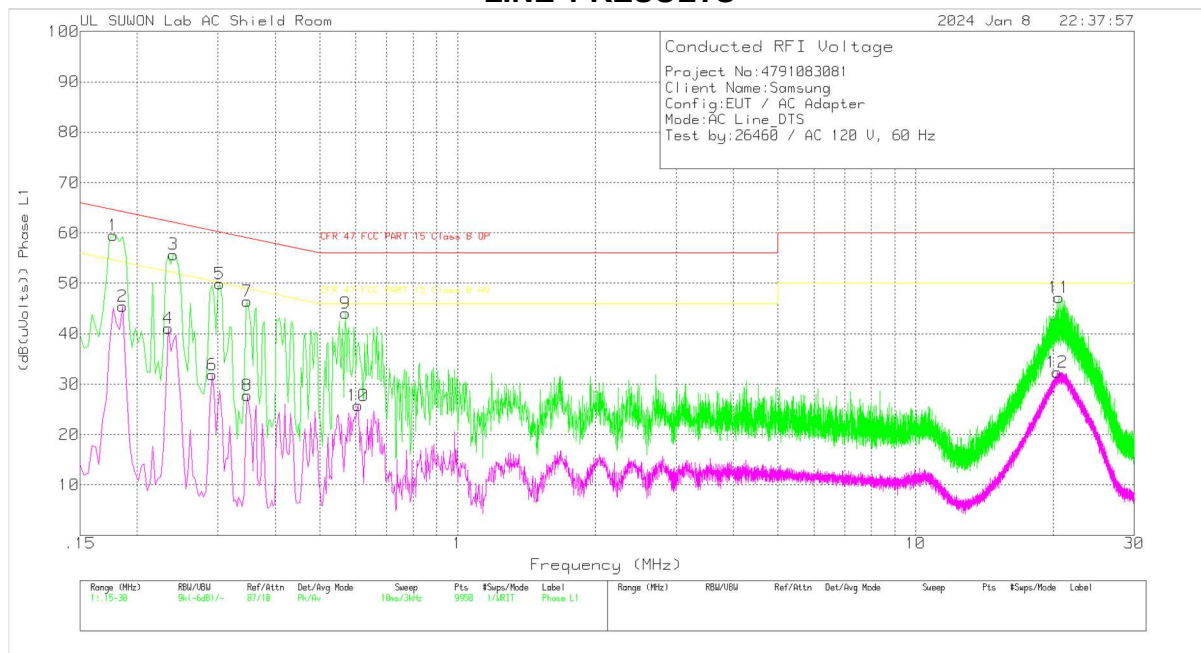
Line conducted data is recorded for both NEUTRAL and HOT lines.

### 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]	CABLELOSS [dB]	Corrected Reading (dB(uVolts))	47 CFR FCC PART 15 Class B QP (dB(uVolts))	Margin (dB)	47 CFR FCC PART 15 Class B AV (dB(uVolts))	Margin (dB)
1	.177	49.85	Pk	9.5	.2	59.55	64.63	-5.08	-	-
2	.186	35.77	Av	9.5	.2	45.47	-	-	54.21	-8.74
3	.24	46.03	Pk	9.5	.2	55.73	62.1	-6.37	-	-
4	.234	31.43	Av	9.5	.2	41.13	-	-	52.31	-11.18
5	.303	40.24	Pk	9.5	.2	49.94	60.16	-10.22	-	-
6	.291	22.2	Av	9.5	.2	31.9	-	-	50.5	-18.6
7	.348	36.8	Pk	9.5	.2	46.5	59.01	-12.51	-	-
8	.348	18.06	Av	9.5	.2	27.76	-	-	49.01	-21.25
9	.57	34.32	Pk	9.6	.2	44.12	56	-11.88	-	-
10	.606	15.94	Av	9.6	.2	25.74	-	-	46	-20.26
11	20.55	37.23	Pk	9.6	.4	47.23	60	-12.77	-	-
12	20.382	22.41	Av	9.6	.4	32.41	-	-	50	-17.59

Pk - Peak detector

Av - Average detection

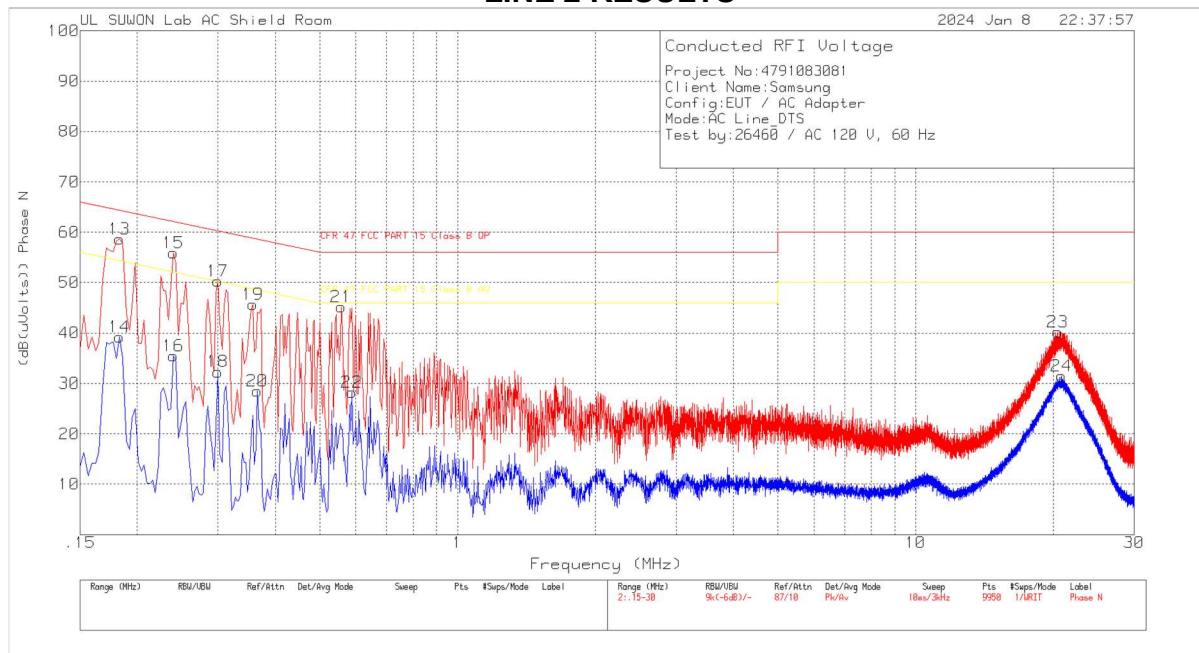
Quasi-Peak Emissions

Range 1: Phase L1 .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101836_AUT O_With EX_L1[dB]	CABLELOSS [dB]	Corrected Reading (dB(uVolts))	47 CFR FCC PART 15 Class B QP (dB(uVolts))	Margin (dB)	47 CFR FCC PART 15 Class B AV (dB(uVolts))	Margin (dB)
.17715	49.45	Qp	9.5	.2	59.15	64.62	-5.47	-	-
.18525	48.8	Qp	9.5	.2	58.5	64.25	-5.75	-	-
.23925	45.16	Qp	9.5	.2	54.86	62.12	-7.26	-	-

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]	CABLELOSS [dB]	Corrected Reading (dB(uVolts))	47 CFR FCC PART 15 Class B QP (dB(uVolts))	Margin (dB)	47 CFR FCC PART 15 Class B AV (dB(uVolts))	Margin (dB)
13	.183	48.96	Pk	9.5	.2	58.66	64.35	-5.69	-	-
14	.183	29.55	Av	9.5	.2	39.25	-	-	54.35	-15.1
15	.24	46.23	Pk	9.5	.2	55.93	62.1	-6.17	-	-
16	.24	25.76	Av	9.5	.2	35.46	-	-	52.1	-16.64
17	.3	40.6	Pk	9.5	.2	50.3	60.24	-9.94	-	-
18	.3	22.6	Av	9.5	.2	32.3	-	-	50.24	-17.94
19	.357	35.98	Pk	9.5	.2	45.68	58.8	-13.12	-	-
20	.366	18.8	Av	9.5	.2	28.5	-	-	48.59	-20.09
21	.558	35.43	Pk	9.6	.2	45.23	56	-10.77	-	-
22	.588	18.42	Av	9.6	.2	28.22	-	-	46	-17.78
23	20.433	30.26	Pk	9.6	.4	40.26	60	-19.74	-	-
24	20.796	21.43	Av	9.6	.4	31.43	-	-	50	-18.57

Pk - Peak detector

Av - Average detection

#### Quasi-Peak Emissions

Range 2: Phase N .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101836_AU O_With EX_N[dB]	CABLELOSS [dB]	Corrected Reading (dB(uVolts))	47 CFR FCC PART 15 Class B QP (dB(uVolts))	Margin (dB)	47 CFR FCC PART 15 Class B AV (dB(uVolts))	Margin (dB)
.18225	49.33	Qp	9.5	.2	59.03	64.38	-5.35	-	-
.23925	45.18	Qp	9.5	.2	54.88	62.12	-7.24	-	-
.29925	39.53	Qp	9.5	.2	49.23	60.26	-11.03	-	-

Qp - Quasi-Peak detector

## END OF TEST REPORT