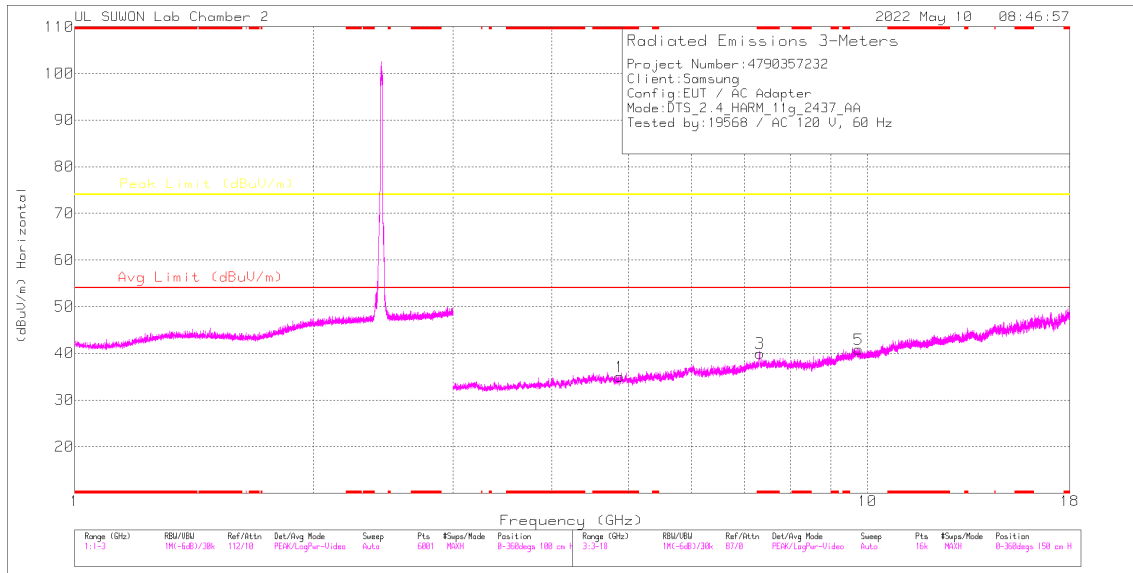


BANEDGE TEST DATA

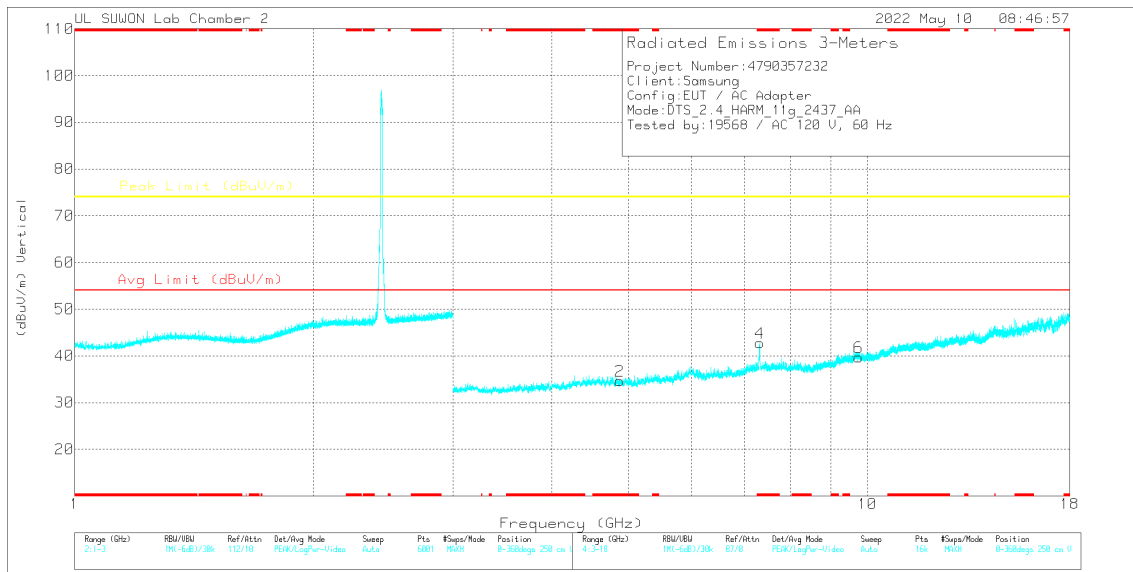
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity	
2412	MIMO	* 2.39	52.58	Pk	31.80	-25.20	0.00	59.18	-	-	74.00	-14.82	28	148	H	
		* 2.38994	56.33	Pk	31.80	-25.20	0.00	62.93	-	-	74.00	-11.07	28	148	H	
		* 2.39	41.63	RMS	31.80	-25.20	0.17	48.40	54.00	-5.60	-	-	-	28	148	H
		* 2.38975	42.03	RMS	31.80	-25.20	0.17	48.80	54.00	-5.20	-	-	-	28	148	H
		* 2.39	48.82	Pk	31.80	-25.20	0.00	55.42	-	-	74.00	-18.58	96	362	V	
		* 2.38983	50.54	Pk	31.80	-25.20	0.00	57.14	-	-	74.00	-16.86	96	362	V	
		* 2.39	37.16	RMS	31.80	-25.20	0.17	43.93	54.00	-10.07	-	-	-	96	362	V
		* 2.38947	37.34	RMS	31.80	-25.20	0.17	44.11	54.00	-9.89	-	-	-	96	362	V
		* 2.48351	53.76	Pk	32.00	-25.00	0.00	60.76	-	-	74.00	-13.24	34	206	H	
		* 2.48352	55.91	Pk	32.00	-25.00	0.00	62.91	-	-	74.00	-11.09	34	206	H	
2462	MIMO	* 2.48351	42.41	RMS	32.00	-25.00	0.17	49.58	54.00	-4.42	-	-	34	206	H	
		* 2.48354	42.07	RMS	32.00	-25.00	0.17	49.24	54.00	-4.76	-	-	34	206	H	
		* 2.48351	54.56	Pk	32.00	-25.00	0.00	61.56	-	-	74.00	-12.44	201	385	V	
		* 2.4836	57.47	Pk	32.00	-25.00	0.00	64.47	-	-	74.00	-9.53	201	385	V	
		* 2.48351	42.23	RMS	32.00	-25.00	0.17	49.40	54.00	-4.60	-	-	201	385	V	
		* 2.48369	42.88	RMS	32.00	-25.00	0.17	50.05	54.00	-3.95	-	-	201	385	V	
		* 2.48351	51.86	Pk	32.00	-25.00	0.00	58.86	-	-	74.00	-15.14	96	162	H	
		* 2.48352	52.56	Pk	32.00	-25.00	0.00	59.56	-	-	74.00	-14.44	96	162	H	
		* 2.48351	40.22	RMS	32.00	-25.00	0.17	47.39	54.00	-6.61	-	-	96	162	H	
		* 2.48355	40.11	RMS	32.00	-25.00	0.17	47.28	54.00	-6.72	-	-	96	162	H	
2467	MIMO	* 2.48351	54.29	Pk	32.00	-25.00	0.00	61.29	-	-	74.00	-12.71	202	385	V	
		* 2.48361	55.11	Pk	32.00	-25.00	0.00	62.11	-	-	74.00	-11.89	202	385	V	
		* 2.48351	41.25	RMS	32.00	-25.00	0.17	48.42	54.00	-5.58	-	-	202	385	V	
		* 2.48352	41.46	RMS	32.00	-25.00	0.17	48.63	54.00	-5.37	-	-	202	385	V	
		* 2.48351	56.02	Pk	32.00	-25.00	0.00	63.02	-	-	74.00	-10.98	158	378	H	
		* 2.48363	57.16	Pk	32.00	-25.00	0.00	64.16	-	-	74.00	-9.84	158	378	H	
		* 2.48351	44.34	RMS	32.00	-25.00	0.17	51.51	54.00	-2.49	-	-	158	378	H	
		* 2.48359	43.86	RMS	32.00	-25.00	0.17	51.03	54.00	-2.97	-	-	158	378	H	
		* 2.48351	52.22	Pk	32.00	-25.00	0.00	59.22	-	-	74.00	-14.78	241	376	V	
		* 2.48354	53.40	Pk	32.00	-25.00	0.00	60.40	-	-	74.00	-13.60	241	376	V	
2472	MIMO	* 2.48351	40.30	RMS	32.00	-25.00	0.17	47.47	54.00	-6.53	-	-	241	376	V	
		* 2.48356	39.83	RMS	32.00	-25.00	0.17	47.00	54.00	-7.00	-	-	241	376	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) 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
* 4.87848	36.9	PK2	34.1	-27.7	0	43.3	-	-	74	-30.7	360	100	H
* 4.87674	36.77	PK2	34.1	-27.7	0	43.17	-	-	74	-30.83	360	100	V
* 7.30592	40.61	PK2	36.2	-24.7	0	52.11	-	-	74	-21.89	47	100	H
* 7.31107	27.36	MAV1	36.2	-24.6	.17	39.13	54	-14.87	-	-	47	100	H
* 7.30707	41.17	PK2	36.2	-24.7	0	52.67	-	-	74	-21.33	221	130	V
* 7.30757	29.31	MAV1	36.2	-24.7	.17	40.98	54	-13.02	-	-	221	130	V
9.74904	32.55	PK2	37.2	-20.9	0	48.85	-	-	74	-25.15	0	100	H
9.74774	32.54	PK2	37.2	-20.9	0	48.84	-	-	74	-25.16	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 TEST DATA

Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity	
2412	MIMO	* 4.82763	36.98	PK2	34.10	-27.90	0.00	43.18	-	-	74.00	-30.82	0	100	H	
		* 4.82316	37.04	PK2	34.10	-27.80	0.00	43.34	-	-	74.00	-30.66	0	100	V	
		* 7.31288	34.46	PK2	36.10	-24.60	0.00	45.96	-	-	74.00	-28.04	34	104	H	
		* 7.31963	23.03	MAV1	36.10	-24.60	0.17	34.70	54.00	-19.30	-	-	-	34	104	H
		* 7.51613	34.75	PK2	36.00	-24.50	0.00	46.25	-	-	74.00	-27.75	234	100	V	
		* 7.31363	23.12	MAV1	36.10	-24.60	0.17	34.79	54.00	-19.21	-	-	-	234	100	V
		9.647	32.53	PK2	37.00	-21.00	0.00	48.53	-	-	74.00	-25.47	0	100	H	
		9.646	32.44	PK2	37.00	-21.00	0.00	48.44	-	-	74.00	-25.56	360	100	V	
		* 4.87848	36.90	PK2	34.10	-27.70	0.00	43.30	-	-	74.00	-30.70	360	100	H	
2437	MIMO	* 4.87674	36.77	PK2	34.10	-27.70	0.00	43.17	-	-	74.00	-30.83	360	100	V	
		* 7.30592	40.61	PK2	36.20	-24.70	0.00	52.11	-	-	74.00	-21.89	47	100	H	
		* 7.31107	27.36	MAV1	36.20	-24.60	0.17	39.13	54.00	-14.87	-	-	-	47	100	H
		* 7.30707	41.17	PK2	36.20	-24.70	0.00	52.67	-	-	74.00	-21.33	221	130	V	
		* 7.30757	29.31	MAV1	36.20	-24.70	0.17	40.98	54.00	-13.02	-	-	-	221	130	V
		9.749	32.55	PK2	37.20	-20.90	0.00	48.85	-	-	74.00	-25.15	0	100	H	
		9.748	32.54	PK2	37.20	-20.90	0.00	48.84	-	-	74.00	-25.16	360	100	V	
		* 4.92125	36.16	PK2	34.10	-27.30	0.00	42.96	-	-	74.00	-31.04	360	100	H	
		* 4.93431	36.06	PK2	34.10	-27.10	0.00	43.06	-	-	74.00	-30.94	0	100	V	
2462	MIMO	* 7.38201	39.63	PK2	36.10	-23.90	0.00	51.83	-	-	74.00	-22.17	38	101	H	
		* 7.38121	26.50	MAV1	36.10	-23.90	0.17	38.87	54.00	-15.13	-	-	-	38	101	H
		* 7.38084	39.56	PK2	36.10	-23.90	0.00	51.76	-	-	74.00	-22.24	235	100	V	
		* 7.38149	27.36	MAV1	36.10	-23.90	0.17	39.73	54.00	-14.27	-	-	-	235	100	V
		9.848	32.44	PK2	37.30	-21.50	0.00	48.24	-	-	74.00	-25.76	360	100	H	
		9.850	32.67	PK2	37.30	-21.50	0.00	48.47	-	-	74.00	-25.53	0	100	V	

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

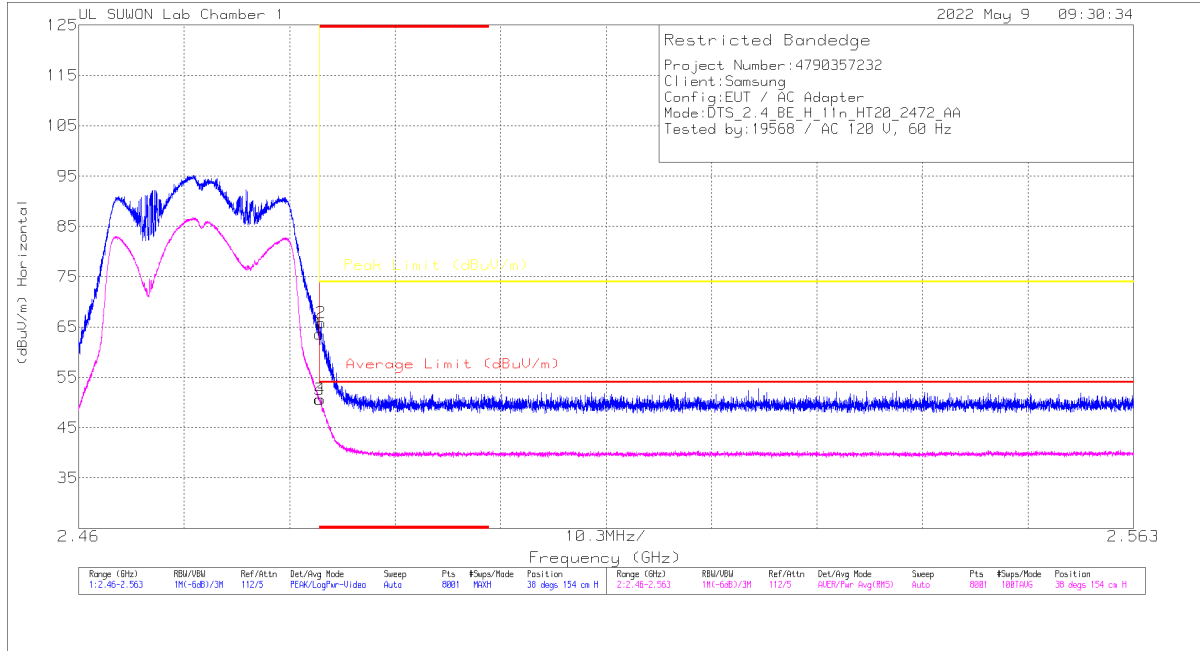
Note2. * - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

2TX Antenna ALL

BANDEDGE (WORST CASE: 13 CHANNEL)

HORIZONTAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	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	56.63	PK	32	-25	0	63.63	-	-	74	-10.37	38	154	H
2	* 2.48366	58.88	PK	32	-25	0	65.88	-	-	74	-8.12	38	154	H
3	* 2.48351	43.52	RMS	32	-25	.09	50.61	54	-3.39	-	-	38	154	H
4	* 2.48359	43.49	RMS	32	-25	.09	50.58	54	-3.42	-	-	38	154	H

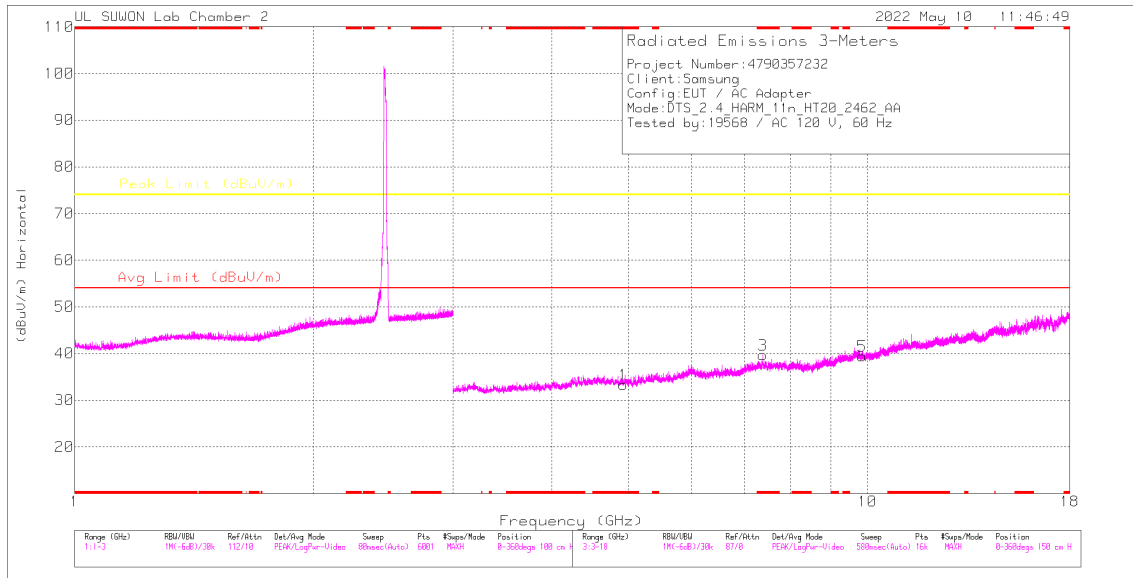
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK - Peak detector
 RMS - RMS detection

BANDEGE TEST DATA

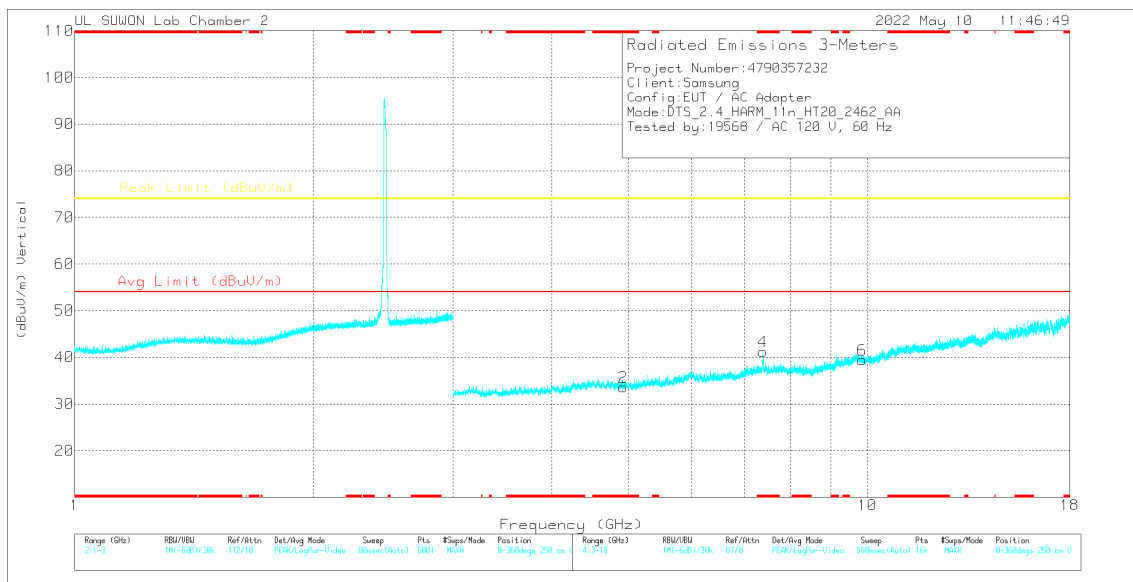
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity	
2412	MIMO	* 2.39	51.92	Pk	31.80	-25.20	0.00	58.52	-	-	74.00	-15.48	24	100	H	
		* 2.38996	54.48	Pk	31.80	-25.20	0.00	61.08	-	-	74.00	-12.92	24	100	H	
		* 2.39	41.16	RMS	31.80	-25.20	0.09	47.85	54.00	-6.15	-	-	-	24	100	H
		* 2.38997	41.67	RMS	31.80	-25.20	0.09	48.36	54.00	-5.64	-	-	-	24	100	H
		* 2.39	48.37	Pk	31.80	-25.20	0.00	54.97	-	-	74.00	-19.03	178	122	V	
		* 2.38887	49.37	Pk	31.80	-25.20	0.00	55.97	-	-	74.00	-18.03	178	122	V	
		* 2.39	37.29	RMS	31.80	-25.20	0.09	43.98	54.00	-10.02	-	-	-	178	122	V
		* 2.38977	37.45	RMS	31.80	-25.20	0.09	44.14	54.00	-9.86	-	-	-	178	122	V
		* 2.48351	51.49	Pk	32.00	-25.00	0.00	58.49	-	-	74.00	-15.51	24	183	H	
		* 2.48365	55.13	Pk	32.00	-25.00	0.00	62.13	-	-	74.00	-11.87	24	183	H	
2462	MIMO	* 2.48351	40.98	RMS	32.00	-25.00	0.09	48.07	54.00	-5.93	-	-	24	183	H	
		* 2.48363	41.19	RMS	32.00	-25.00	0.09	48.28	54.00	-5.72	-	-	24	183	H	
		* 2.48351	49.29	Pk	32.00	-25.00	0.00	56.29	-	-	74.00	-17.71	231	385	V	
		* 2.48363	51.13	Pk	32.00	-25.00	0.00	58.13	-	-	74.00	-15.87	231	385	V	
		* 2.48351	37.48	RMS	32.00	-25.00	0.09	44.57	54.00	-9.43	-	-	-	231	385	V
		* 2.48352	37.95	RMS	32.00	-25.00	0.09	45.04	54.00	-8.96	-	-	-	231	385	V
		* 2.48351	55.65	Pk	32.00	-25.00	0.00	62.65	-	-	74.00	-11.35	37	183	H	
		* 2.4836	56.01	Pk	32.00	-25.00	0.00	63.01	-	-	74.00	-10.99	37	183	H	
		* 2.48351	42.45	RMS	32.00	-25.00	0.09	49.54	54.00	-4.46	-	-	-	37	183	H
		* 2.48352	42.88	RMS	32.00	-25.00	0.09	49.97	54.00	-4.03	-	-	-	37	183	H
2467	MIMO	* 2.48351	46.13	Pk	32.00	-25.00	0.00	53.13	-	-	74.00	-20.87	231	384	V	
		* 2.48354	48.68	Pk	32.00	-25.00	0.00	55.68	-	-	74.00	-18.32	231	384	V	
		* 2.48351	35.88	RMS	32.00	-25.00	0.09	42.97	54.00	-11.03	-	-	-	231	384	V
		* 2.48402	36.77	RMS	32.00	-25.00	0.09	43.86	54.00	-10.14	-	-	-	231	384	V
		* 2.48351	56.63	Pk	32.00	-25.00	0.00	63.63	-	-	74.00	-10.37	38	154	H	
		* 2.48366	58.88	Pk	32.00	-25.00	0.00	65.88	-	-	74.00	-8.12	38	154	H	
		* 2.48351	43.52	RMS	32.00	-25.00	0.09	50.61	54.00	-3.39	-	-	-	38	154	H
		* 2.48359	43.49	RMS	32.00	-25.00	0.09	50.58	54.00	-3.42	-	-	-	38	154	H
		* 2.48351	53.93	Pk	32.00	-25.00	0.00	60.93	-	-	74.00	-13.07	211	384	V	
		* 2.48359	55.77	Pk	32.00	-25.00	0.00	62.77	-	-	74.00	-11.23	211	384	V	
2472	MIMO	* 2.48351	42.56	RMS	32.00	-25.00	0.09	49.65	54.00	-4.35	-	-	211	384	V	
		* 2.48356	42.47	RMS	32.00	-25.00	0.09	49.56	54.00	-4.44	-	-	211	384	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: 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
* 4.92438	36.02	PK2	34.1	-27.2	0	42.92	-	-	74	-31.08	360	100	H
* 4.91922	35.88	PK2	34.1	-27.3	0	42.68	-	-	74	-31.32	0	100	V
* 7.37716	38.19	PK2	36.1	-23.9	0	50.39	-	-	74	-23.61	42	103	H
* 7.37646	25.94	MAV1	36.1	-23.9	.09	38.23	54	-15.77	-	-	42	103	H
* 7.37671	39.96	PK2	36.1	-23.9	0	52.16	-	-	74	-21.84	244	100	V
* 7.37671	27.5	MAV1	36.1	-23.9	.09	39.79	54	-14.21	-	-	244	100	V
9.84987	32.6	PK2	37.3	-21.5	0	48.4	-	-	74	-25.6	360	100	H
9.84684	32.68	PK2	37.3	-21.5	0	48.48	-	-	74	-25.52	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	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	* 4.82333	36.58	PK2	34.10	-27.80	0.00	42.88	-	-	74.00	-31.12	360	100	H
		* 4.83017	37.60	PK2	34.10	-27.80	0.00	43.90	-	-	74.00	-30.10	0	100	V
		* 7.5675	34.58	PK2	36.00	-24.60	0.00	46.08	-	-	74.00	-27.92	41	100	H
		* 7.3155	23.14	MAv1	36.10	-24.60	0.09	34.73	54.00	-19.27	-	-	41	100	H
		* 7.55925	35.79	PK2	36.00	-24.60	0.00	47.19	-	-	74.00	-26.81	213	100	V
		* 7.314	23.21	MAv1	36.10	-24.60	0.09	34.80	54.00	-19.20	-	-	213	100	V
		9.641	32.48	PK2	37.00	-21.00	0.00	48.48	-	-	74.00	-25.52	0	100	H
		9.648	32.46	PK2	37.00	-21.00	0.00	48.46	-	-	74.00	-25.54	360	100	V
2437	MIMO	* 4.87469	38.01	PK2	34.10	-27.70	0.00	44.41	-	-	74.00	-29.59	0	100	H
		* 4.88132	37.04	PK2	34.10	-27.60	0.00	43.54	-	-	74.00	-30.46	0	100	V
		* 7.3126	40.05	PK2	36.10	-24.60	0.00	51.55	-	-	74.00	-22.45	41	100	H
		* 7.31135	27.26	MAv1	36.20	-24.60	0.09	38.95	54.00	-15.05	-	-	41	100	H
		* 7.30615	39.79	PK2	36.20	-24.70	0.00	51.29	-	-	74.00	-22.71	212	101	V
		* 7.3066	27.25	MAv1	36.20	-24.70	0.09	38.84	54.00	-15.16	-	-	212	101	V
		9.754	32.72	PK2	37.20	-20.90	0.00	49.02	-	-	74.00	-24.98	0	100	H
		9.757	32.27	PK2	37.20	-20.90	0.00	48.57	-	-	74.00	-25.43	0	100	V
2462	MIMO	* 4.92438	36.02	PK2	34.10	-27.20	0.00	42.92	-	-	74.00	-31.08	360	100	H
		* 4.91922	35.88	PK2	34.10	-27.30	0.00	42.68	-	-	74.00	-31.32	0	100	V
		* 7.37716	38.19	PK2	36.10	-23.90	0.00	50.39	-	-	74.00	-23.61	42	103	H
		* 7.37646	25.94	MAv1	36.10	-23.90	0.09	38.23	54.00	-15.77	-	-	42	103	H
		* 7.37671	39.96	PK2	36.10	-23.90	0.00	52.16	-	-	74.00	-21.84	244	100	V
		* 7.37671	27.50	MAv1	36.10	-23.90	0.09	39.79	54.00	-14.21	-	-	244	100	V
		9.850	32.60	PK2	37.30	-21.50	0.00	48.40	-	-	74.00	-25.60	360	100	H
		9.847	32.68	PK2	37.30	-21.50	0.00	48.48	-	-	74.00	-25.52	0	100	V

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

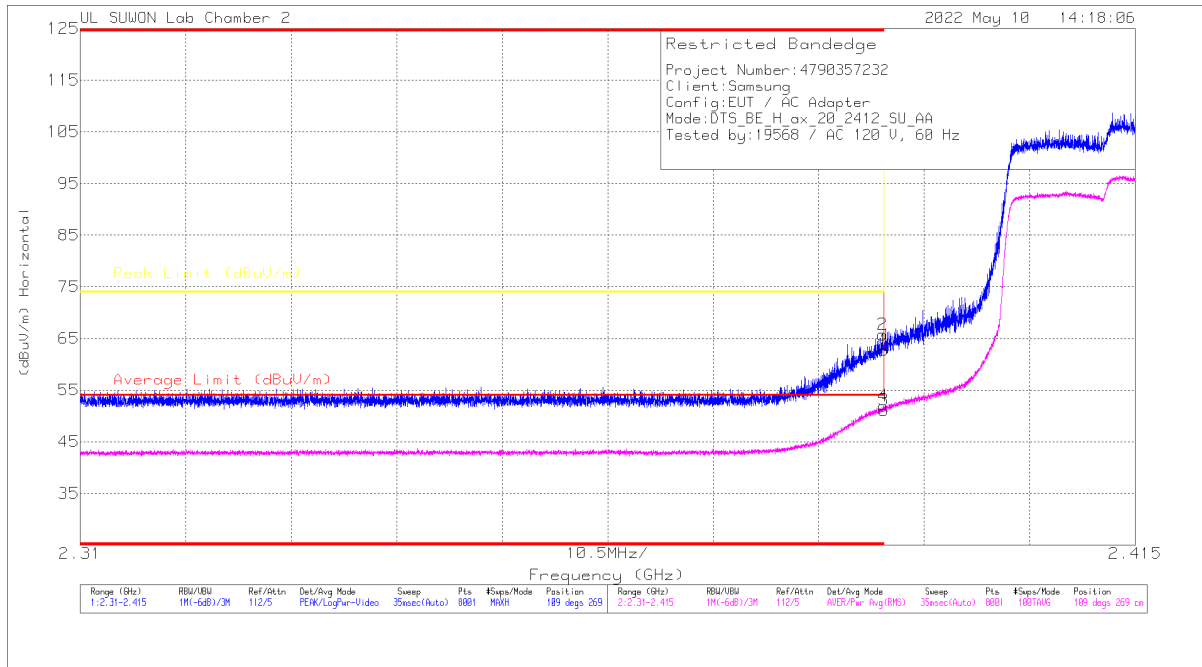
Note2. * - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

2TX Antenna ALL

BANDEDGE (1 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 (m)	Polarity
1	* 2.39	50.52	Pk	31.9	-19.7	0	62.72	-	-	74	-11.28	109	269	H
2	* 2.38985	53.55	Pk	31.9	-19.7	0	65.75	-	-	74	-8.25	109	269	H
3	* 2.39	38.9	RMS	31.9	-19.7	0	51.1	54	-2.9	-	-	109	269	H
4	* 2.38992	39.73	RMS	31.9	-19.7	0	51.93	54	-2.07	-	-	109	269	H

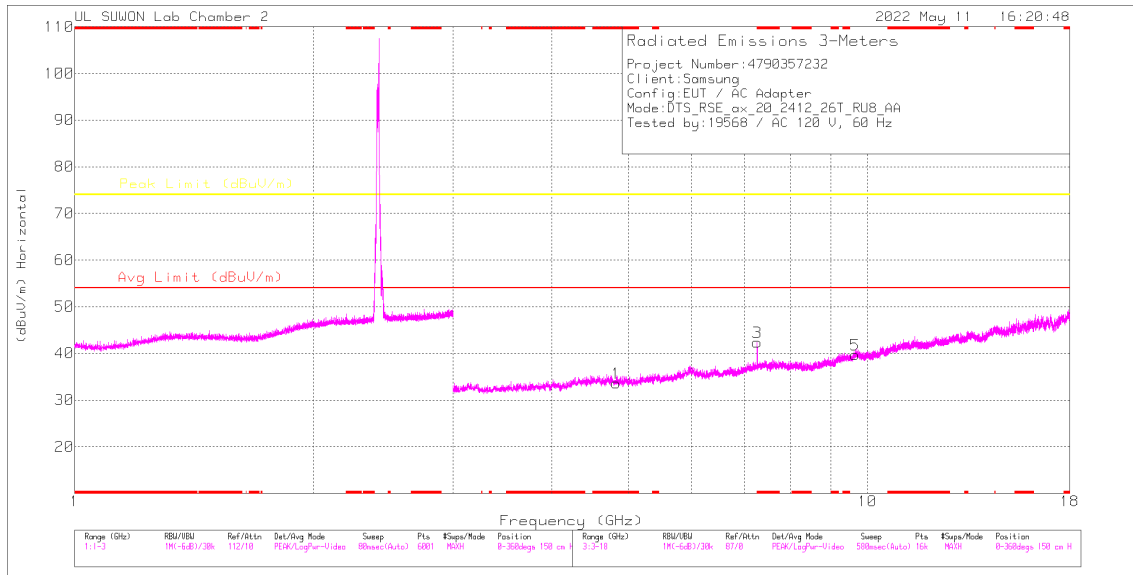
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

BANEDGE TEST DATA

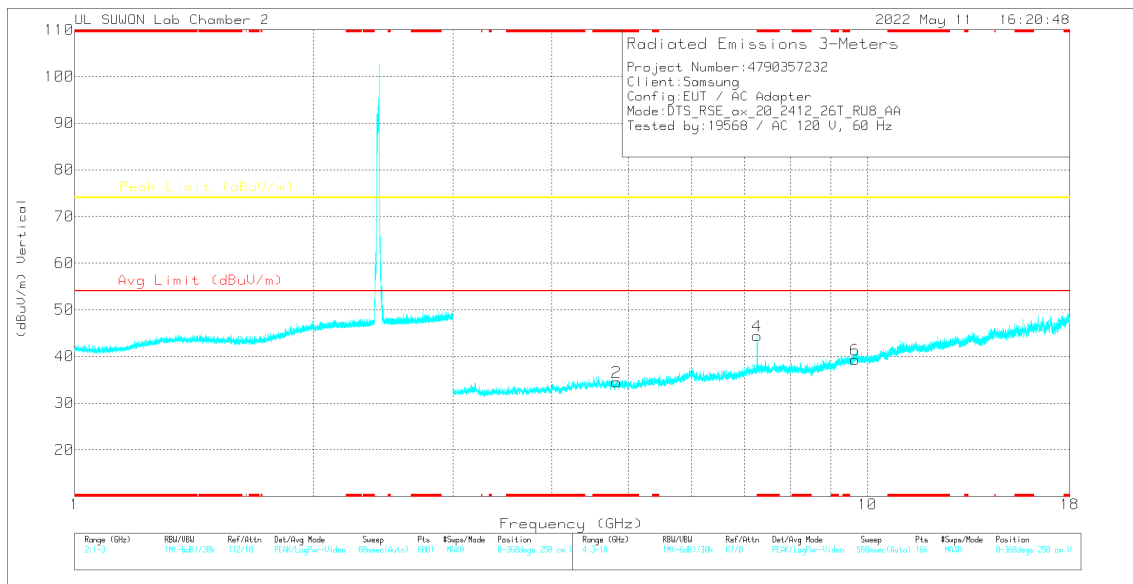
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2412 0RU	MIMO	* 2.39	49.85	Pk	31.90	-19.70	0.00	62.05	-	-	74.00	-11.95	119	100	H
		* 2.38824	50.98	Pk	31.90	-19.60	0.00	63.28	-	-	74.00	-10.72	119	100	H
		* 2.39	31.52	RMS	31.90	-19.70	0.00	43.72	54.00	-10.28	-	-	119	100	H
		* 2.38888	32.41	RMS	31.90	-19.60	0.00	44.71	54.00	-9.29	-	-	119	100	H
		* 2.39	47.91	Pk	31.90	-19.70	0.00	60.11	-	-	74.00	-13.89	190	120	V
		* 2.38971	46.85	Pk	31.90	-19.70	0.00	59.05	-	-	74.00	-14.95	190	120	V
		* 2.39	31.49	RMS	31.90	-19.70	0.00	43.69	54.00	-10.31	-	-	190	120	V
2412 SU	MIMO	* 2.38994	32.10	RMS	31.90	-19.70	0.00	44.30	54.00	-9.70	-	-	190	120	V
		* 2.39	50.52	Pk	31.90	-19.70	0.00	62.72	-	-	74.00	-11.28	109	269	H
		* 2.38985	53.55	Pk	31.90	-19.70	0.00	65.75	-	-	74.00	-8.25	109	269	H
		* 2.39	38.90	RMS	31.90	-19.70	0.00	51.10	54.00	-2.90	-	-	109	269	H
		* 2.38992	39.73	RMS	31.90	-19.70	0.00	51.93	54.00	-2.07	-	-	109	269	H
		* 2.39	47.25	Pk	31.90	-19.70	0.00	59.45	-	-	74.00	-14.55	192	127	V
		* 2.38942	49.37	Pk	31.90	-19.70	0.00	61.57	-	-	74.00	-12.43	192	127	V
2462 SU	MIMO	* 2.39	35.67	RMS	31.90	-19.70	0.00	47.87	54.00	-6.13	-	-	192	127	V
		* 2.38988	35.68	RMS	31.90	-19.70	0.00	47.88	54.00	-6.12	-	-	192	127	V
		* 2.48351	48.66	Pk	32.00	-19.60	0.00	61.06	-	-	74.00	-12.94	30	104	H
		* 2.48352	52.59	Pk	32.00	-19.60	0.00	64.99	-	-	74.00	-9.01	30	104	H
		* 2.48351	37.69	RMS	32.00	-19.60	0.00	50.09	54.00	-3.91	-	-	30	104	H
		* 2.48366	38.34	RMS	32.00	-19.60	0.00	50.74	54.00	-3.26	-	-	30	104	H
		* 2.48351	42.73	Pk	32.00	-19.60	0.00	55.13	-	-	74.00	-18.87	166	106	V
2467 SU	MIMO	* 2.48365	46.08	Pk	32.00	-19.60	0.00	58.48	-	-	74.00	-15.52	166	106	V
		* 2.48351	33.13	RMS	32.00	-19.60	0.00	45.53	54.00	-8.47	-	-	166	106	V
		* 2.48352	33.67	RMS	32.00	-19.60	0.00	46.07	54.00	-7.93	-	-	166	106	V
		* 2.48351	47.75	Pk	32.00	-19.60	0.00	60.15	-	-	74.00	-13.85	32	106	H
		* 2.48377	51.07	Pk	32.00	-19.60	0.00	63.47	-	-	74.00	-10.53	32	106	H
		* 2.48351	37.70	RMS	32.00	-19.60	0.00	50.10	54.00	-3.90	-	-	32	106	H
		* 2.48368	37.77	RMS	32.00	-19.60	0.00	50.17	54.00	-3.83	-	-	32	106	H
2472 8RU	MIMO	* 2.48351	44.51	Pk	32.00	-19.60	0.00	56.91	-	-	74.00	-17.09	146	109	V
		* 2.48391	45.06	Pk	32.00	-19.60	0.00	57.46	-	-	74.00	-16.54	146	109	V
		* 2.48351	32.76	RMS	32.00	-19.60	0.00	45.16	54.00	-8.84	-	-	146	109	V
		* 2.48391	33.04	RMS	32.00	-19.60	0.00	45.44	54.00	-8.56	-	-	146	109	V
		* 2.48351	58.19	Pk	32.00	-19.60	0.00	70.59	-	-	74.00	-3.41	93	154	H
		* 2.48355	59.14	Pk	32.00	-19.60	0.00	71.54	-	-	74.00	-2.46	93	154	H
		* 2.48351	36.02	RMS	32.00	-19.60	0.00	48.42	54.00	-5.58	-	-	93	154	H
2472 40RU	MIMO	* 2.48363	36.87	RMS	32.00	-19.60	0.00	49.27	54.00	-4.73	-	-	93	154	H
		* 2.48351	54.36	Pk	32.00	-19.60	0.00	66.76	-	-	74.00	-7.24	193	106	V
		* 2.48359	54.75	Pk	32.00	-19.60	0.00	67.15	-	-	74.00	-6.85	193	106	V
		* 2.48351	33.80	RMS	32.00	-19.60	0.00	46.20	54.00	-7.80	-	-	193	106	V
		* 2.48374	34.49	RMS	32.00	-19.60	0.00	46.89	54.00	-7.11	-	-	193	106	V
		* 2.48351	58.18	Pk	32.00	-19.60	0.00	70.58	-	-	74.00	-3.42	103	139	H
		* 2.48364	59.15	Pk	32.00	-19.60	0.00	71.55	-	-	74.00	-2.45	103	139	H
2472 SU	MIMO	* 2.48351	37.55	RMS	32.00	-19.60	0.00	49.95	54.00	-4.05	-	-	103	139	H
		* 2.48366	36.91	RMS	32.00	-19.60	0.00	49.31	54.00	-4.69	-	-	103	139	H
		* 2.48351	54.43	Pk	32.00	-19.60	0.00	66.83	-	-	74.00	-7.17	7	366	V
		* 2.48363	56.72	Pk	32.00	-19.60	0.00	69.12	-	-	74.00	-4.88	7	366	V
		* 2.48351	33.29	RMS	32.00	-19.60	0.00	45.69	54.00	-8.31	-	-	7	366	V
		* 2.48356	34.17	RMS	32.00	-19.60	0.00	46.57	54.00	-7.43	-	-	7	366	V
		* 2.48351	51.92	Pk	32.00	-19.60	0.00	64.32	-	-	74.00	-9.68	107	289	H
2472 SU	MIMO	* 2.48373	52.09	Pk	32.00	-19.60	0.00	64.49	-	-	74.00	-9.51	107	289	H
		* 2.48351	39.27	RMS	32.00	-19.60	0.00	51.67	54.00	-2.33	-	-	107	289	H
		* 2.48374	39.07	RMS	32.00	-19.60	0.00	51.47	54.00	-2.53	-	-	107	289	H
		* 2.48351	46.57	Pk	32.00	-19.60	0.00	58.97	-	-	74.00	-15.03	166	129	V
		* 2.48387	47.83	Pk	32.00	-19.60	0.00	60.23	-	-	74.00	-13.77	166	129	V
		* 2.48351	35.19	RMS	32.00	-19.60	0.00	47.59	54.00	-6.41	-	-	166	129	V
		* 2.48363	35.15	RMS	32.00	-19.60	0.00	47.55	54.00	-6.45	-	-	166	129	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, 8RU) 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_0016872_4	3GHz_HP[dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82331	37.13	PK2	34.1	-27.8	43.43	-	-	74	-30.57	360	100	H
* 4.82119	37.25	PK2	34.1	-27.8	43.55	-	-	74	-30.45	0	100	V
* 7.26224	42.29	PK2	36.2	-25.1	53.39	-	-	74	-20.61	42	104	H
* 7.26149	29.01	MAV1	36.2	-25.1	40.11	54	-13.89	-	-	42	104	H
* 7.26129	44.72	PK2	36.2	-25.1	55.82	-	-	74	-18.18	243	100	V
* 7.26107	31.35	MAV1	36.2	-25.1	42.45	54	-11.55	-	-	243	100	V
9.65037	32.8	PK2	37	-20.9	48.9	-	-	74	-25.1	360	100	H
9.64654	32.5	PK2	37	-21	48.5	-	-	74	-25.5	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

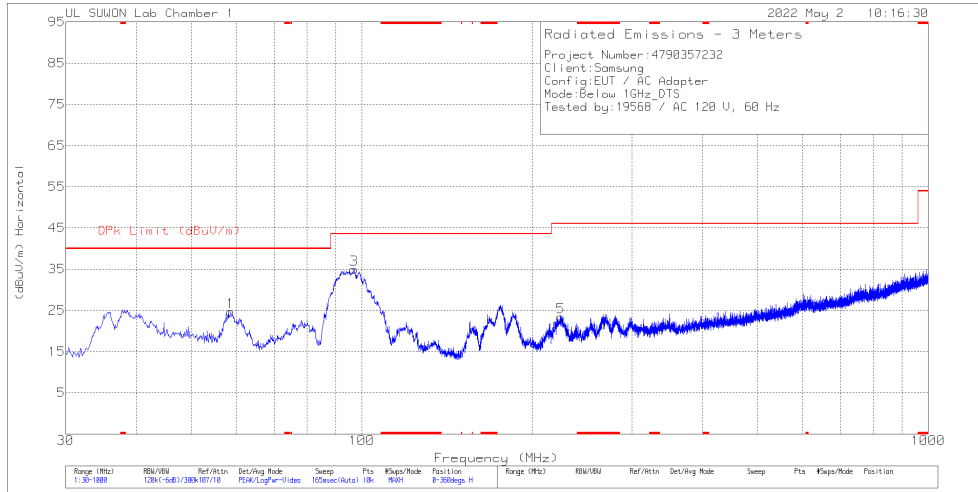
HARMONICS AND SPURIOUS EMISSIONS TEST DATA

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 RU8	MIMO	* 4.82331	37.13	PK2	34.10	-27.80	0.00	43.43	-	-	74.00	-30.57	360	100	H	
		* 4.82119	37.25	PK2	34.10	-27.80	0.00	43.55	-	-	74.00	-30.45	0	100	V	
		* 7.26224	42.29	PK2	36.20	-25.10	0.00	53.39	-	-	74.00	-20.61	42	104	H	
		* 7.26149	29.01	MAv1	36.20	-25.10	0.00	40.11	54.00	-13.89	-	-	-	42	104	H
		* 7.26129	44.72	PK2	36.20	-25.10	0.00	55.82	-	-	74.00	-18.18	243	100	V	
		* 7.26107	31.35	MAv1	36.20	-25.10	0.00	42.45	54.00	-11.55	-	-	-	243	100	V
		9.650	32.80	PK2	37.00	-20.90	0.00	48.90	-	-	74.00	-25.10	360	100	H	
		9.647	32.50	PK2	37.00	-21.00	0.00	48.50	-	-	74.00	-25.50	360	100	V	
		2437 RU8	MIMO	* 4.87977	36.84	PK2	34.10	-27.70	0.00	43.24	-	-	74.00	-30.76	360	100
* 4.87217	36.15			PK2	34.10	-27.70	0.00	42.55	-	-	74.00	-31.45	0	100	V	
* 7.3366	39.48			PK2	36.10	-24.30	0.00	51.28	-	-	74.00	-22.72	45	100	H	
* 7.33665	25.57			MAv1	36.10	-24.30	0.00	37.37	54.00	-16.63	-	-	-	45	100	H
* 7.33703	41.76			PK2	36.10	-24.30	0.00	53.56	-	-	74.00	-20.44	235	102	V	
* 7.33647	27.61			MAv1	36.10	-24.30	0.00	39.41	54.00	-14.59	-	-	-	235	102	V
9.749	32.42			PK2	37.20	-20.90	0.00	48.72	-	-	74.00	-25.28	360	100	H	
9.743	32.39			PK2	37.20	-20.80	0.00	48.79	-	-	74.00	-25.21	0	100	V	
2462 RU8	MIMO			* 4.93375	35.78	PK2	34.10	-27.10	0.00	42.78	-	-	74.00	-31.22	360	100
		* 4.9215	36.12	PK2	34.10	-27.30	0.00	42.92	-	-	74.00	-31.08	0	100	V	
		* 7.41018	40.64	PK2	36.10	-23.70	0.00	53.04	-	-	74.00	-20.96	45	100	H	
		* 7.41154	26.88	MAv1	36.10	-23.60	0.00	39.38	54.00	-14.62	-	-	-	45	100	H
		* 7.4103	44.00	PK2	36.10	-23.70	0.00	56.40	-	-	74.00	-17.60	235	100	V	
		* 7.41137	29.20	MAv1	36.10	-23.60	0.00	41.70	54.00	-12.30	-	-	-	235	100	V
		9.858	31.91	PK2	37.30	-21.50	0.00	47.71	-	-	74.00	-26.29	360	100	H	
		9.857	32.61	PK2	37.30	-21.50	0.00	48.41	-	-	74.00	-25.59	0	100	V	

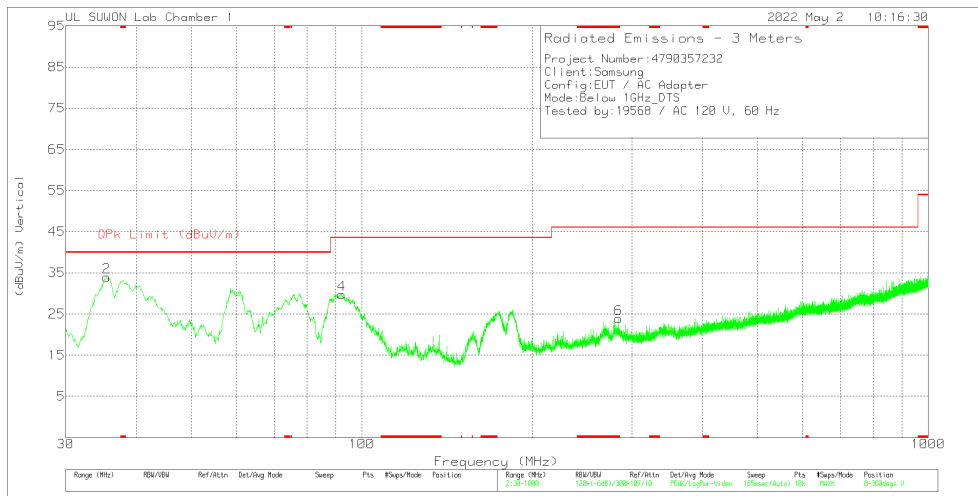
Note1. PK2 - KDB558074 Method: Maximum Peak / MAv1 - KDB558074 Option 1 Maximum RMS Average

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)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	58.615	36.56	Pk	18.9	-30.8	0	24.66	40	-15.34	0-360	300	H
3	96.833	48.15	Pk	17	-30.2	0	34.95	43.52	-8.57	0-360	200	H
5	224.388	35.13	Pk	17.4	-29.2	0	23.33	46.02	-22.69	0-360	100	H
2	35.432	48.32	Pk	16.8	-31.1	0	34.02	40	-5.98	0-360	200	V
4	92.177	43.98	Pk	16.1	-30.4	0	29.68	43.52	-13.84	0-360	200	V
6	* 284.14	33.72	Pk	18.9	-28.7	0	23.92	46.02	-22.1	0-360	300	V

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

Radiated Emissions

Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_750	Below_1G[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
35.192	37.59	Qp	16.7	-31.2	0	23.09	40	-16.91	348	100	V

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

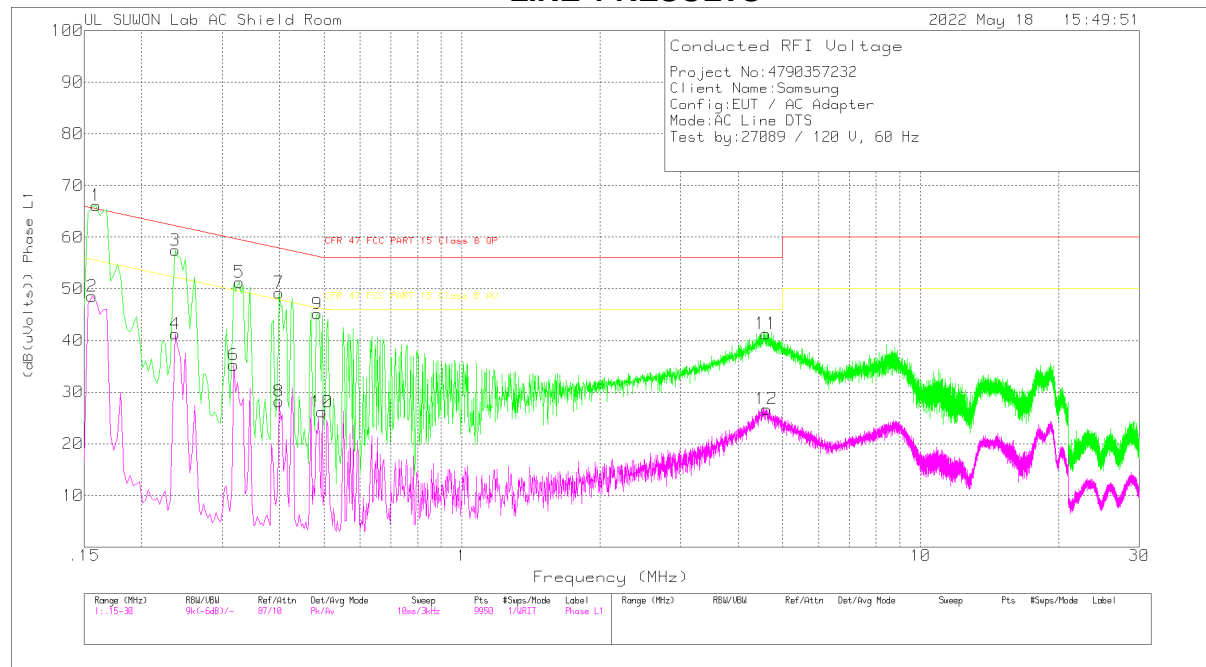
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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_With EX_L1[dB]	CABLELOS S(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
1	.159	56.23	Pk	9.8	.1	66.13	65.52	.61	-	-
2	.156	38.65	Av	9.8	.1	48.55	-	-	55.67	-7.12
3	.237	47.57	Pk	9.7	.2	57.47	62.2	-4.73	-	-
4	.237	31.35	Av	9.7	.2	41.25	-	-	52.2	-10.95
5	.327	41.39	Pk	9.7	.2	51.29	59.53	-8.24	-	-
6	.318	25.37	Av	9.7	.2	35.27	-	-	49.76	-14.49
7	.399	39.2	Pk	9.8	.2	49.2	57.87	-8.67	-	-
8	.399	18.21	Av	9.8	.2	28.21	-	-	47.87	-19.66
9	.483	35.07	Pk	9.9	.2	45.17	56.29	-11.12	-	-
10	.495	16.04	Av	9.9	.2	26.14	-	-	46.08	-19.94
11	4.602	31.32	Pk	9.7	.3	41.32	56	-14.68	-	-
12	4.611	16.71	Av	9.7	.3	26.71	-	-	46	-19.29

Pk - Peak detector

Av - Average detection

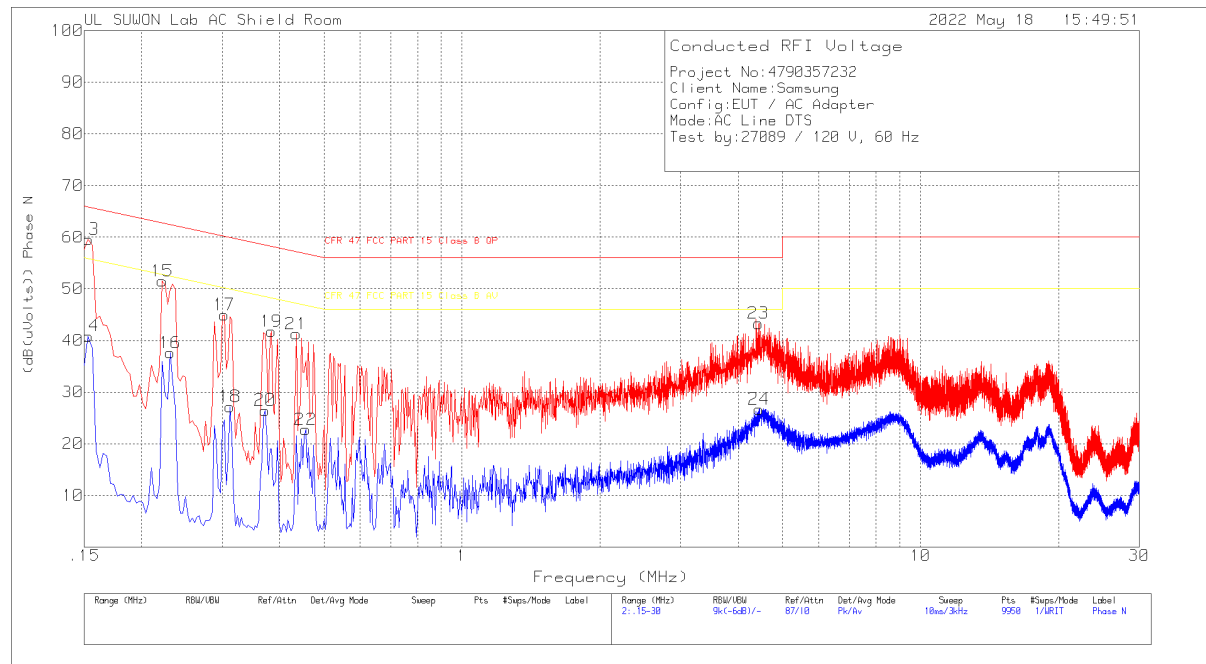
Quasi-Peak Emissions

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)
.15825	40.74	Qp	9.8	.1	50.64	65.56	-14.92	-	-
.23625	17.11	Qp	9.7	.2	27.01	62.23	-35.22	-	-
.31815	24.37	Qp	9.7	.2	34.27	59.75	-25.48	-	-
.39825	24.06	Qp	9.8	.2	34.06	57.89	-23.83	-	-
.48315	19.2	Qp	9.9	.2	29.3	56.28	-26.98	-	-

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	.153	49.66	Pk	9.8	.1	59.56	65.84	-6.28	-	-
14	.153	30.95	Av	9.8	.1	40.85	-	-	55.84	-14.99
15	.222	41.59	Pk	9.7	.2	51.49	62.74	-11.25	-	-
16	.231	27.71	Av	9.7	.2	37.61	-	-	52.41	-14.8
17	.303	35.04	Pk	9.7	.2	44.94	60.16	-15.22	-	-
18	.312	17.29	Av	9.7	.2	27.19	-	-	49.92	-22.73
19	.384	31.76	Pk	9.8	.2	41.76	58.19	-16.43	-	-
20	.372	16.45	Av	9.8	.2	26.45	-	-	48.46	-22.01
21	.435	31.16	Pk	9.9	.2	41.26	57.16	-15.9	-	-
22	.456	12.64	Av	9.9	.2	22.74	-	-	46.77	-24.03
23	4.431	33.29	Pk	9.7	.3	43.29	56	-12.71	-	-
24	4.446	16.68	Av	9.7	.3	26.68	-	-	46	-19.32

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)
.15375	38.55	Qp	9.8	.1	48.45	65.79	-17.34	-	-

Qp - Quasi-Peak detector

END OF TEST REPORT