

HARMONICS AND SPURIOUS EMISSIONS TEST DATA

Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	FB Gain [dB]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2417	ANT0	* 4.83288	39.84	PK2	33.90	-39.40	9.70	0.00	44.04	-	-	74.00	-29.96	0	100	H
		* 4.83594	39.26	PK2	33.90	-39.30	9.70	0.00	43.56	-	-	74.00	-30.44	0	100	V
		* 7.25559	37.77	PK2	35.60	-39.30	11.90	0.00	45.97	-	-	74.00	-28.03	0	100	H
		* 7.25709	37.91	PK2	35.60	-39.30	11.90	0.00	46.11	-	-	74.00	-27.89	0	100	V
		9.678	36.45	PK2	36.60	-37.60	15.20	0.00	50.65	-	-	74.00	-23.35	0	100	H
		9.661	36.42	PK2	36.60	-37.70	15.20	0.00	50.52	-	-	74.00	-23.48	0	100	V
2437	ANT0	* 4.87281	39.63	PK2	33.90	-39.40	9.70	0.00	43.83	-	-	74.00	-30.17	0	100	H
		* 4.8744	39.35	PK2	33.90	-39.40	9.70	0.00	43.55	-	-	74.00	-30.45	0	100	V
		* 7.30226	37.62	PK2	35.60	-39.40	12.00	0.00	45.82	-	-	74.00	-28.18	0	100	H
		* 7.30453	37.90	PK2	35.60	-39.40	12.00	0.00	46.10	-	-	74.00	-27.90	0	100	V
		9.742	36.11	PK2	36.70	-37.60	14.50	0.00	49.71	-	-	74.00	-24.29	0	100	H
		9.751	35.89	PK2	36.70	-37.60	14.40	0.00	49.39	-	-	74.00	-24.61	0	100	V
2462	ANT0	* 4.92226	39.91	PK2	33.90	-39.50	9.80	0.00	44.11	-	-	74.00	-29.89	0	100	H
		* 4.93067	39.64	PK2	33.90	-39.50	9.80	0.00	43.84	-	-	74.00	-30.16	0	100	V
		* 7.38446	37.60	PK2	35.60	-39.10	12.90	0.00	47.00	-	-	74.00	-27.00	0	100	H
		* 7.38399	37.17	PK2	35.60	-39.10	12.90	0.00	46.57	-	-	74.00	-27.43	0	100	V
		9.857	35.83	PK2	36.90	-38.10	14.60	0.00	49.23	-	-	74.00	-24.77	0	100	H
		9.842	36.31	PK2	36.90	-38.00	14.60	0.00	49.81	-	-	74.00	-24.19	0	100	V
2412	ANT1	* 4.82867	39.04	PK2	33.90	-39.40	9.70	0.00	43.24	-	-	74.00	-30.76	0	100	H
		* 4.82226	39.23	PK2	33.90	-39.40	9.70	0.00	43.43	-	-	74.00	-30.57	0	100	V
		7.237	39.63	PK2	35.60	-39.20	12.10	0.00	48.13	-	-	74.00	-25.87	159	109	H
		7.232	41.57	PK2	35.60	-39.20	12.20	0.00	50.17	-	-	74.00	-23.83	352	354	V
		9.650	35.59	PK2	36.60	-37.70	15.10	0.00	49.59	-	-	74.00	-24.41	0	100	H
		9.640	35.92	PK2	36.60	-37.80	15.00	0.00	49.72	-	-	74.00	-24.28	0	100	V
2437	ANT1	* 4.86649	39.12	PK2	33.90	-39.30	9.70	0.00	43.42	-	-	74.00	-30.58	0	100	H
		* 4.87764	39.30	PK2	33.90	-39.40	9.70	0.00	43.50	-	-	74.00	-30.50	0	100	V
		* 7.31649	41.06	PK2	35.60	-39.40	12.20	0.00	49.46	-	-	74.00	-24.54	157	146	H
		* 7.31359	27.18	MAv1	35.60	-39.40	12.20	0.69	36.27	54.00	-17.73	-	-	157	146	H
		* 7.31873	42.18	PK2	35.60	-39.30	12.20	0.00	50.68	-	-	74.00	-23.32	357	370	V
		* 7.30899	28.17	MAv1	35.60	-39.40	12.10	0.69	37.16	54.00	-16.84	-	-	357	370	V
2457	ANT1	9.742	35.71	PK2	36.70	-37.60	14.50	0.00	49.31	-	-	74.00	-24.69	0	100	H
		9.740	36.95	PK2	36.70	-37.60	14.50	0.00	50.55	-	-	74.00	-23.45	0	100	V
		* 4.91352	39.66	PK2	33.90	-39.50	9.80	0.00	43.86	-	-	74.00	-30.14	218	150	H
		* 4.91419	39.57	PK2	33.90	-39.50	9.80	0.00	43.77	-	-	74.00	-30.23	43	250	V
		* 7.3708	40.19	PK2	35.60	-39.10	12.80	0.00	49.49	-	-	74.00	-24.51	159	150	H
		* 7.3715	44.26	PK2	35.60	-39.10	12.80	0.00	53.56	-	-	74.00	-20.44	177	250	V
2457	ANT1	9.827	35.85	PK2	36.90	-38.00	14.50	0.00	49.25	-	-	74.00	-24.75	83	150	H
		9.828	36.18	PK2	36.90	-38.00	14.50	0.00	49.58	-	-	74.00	-24.42	227	250	V

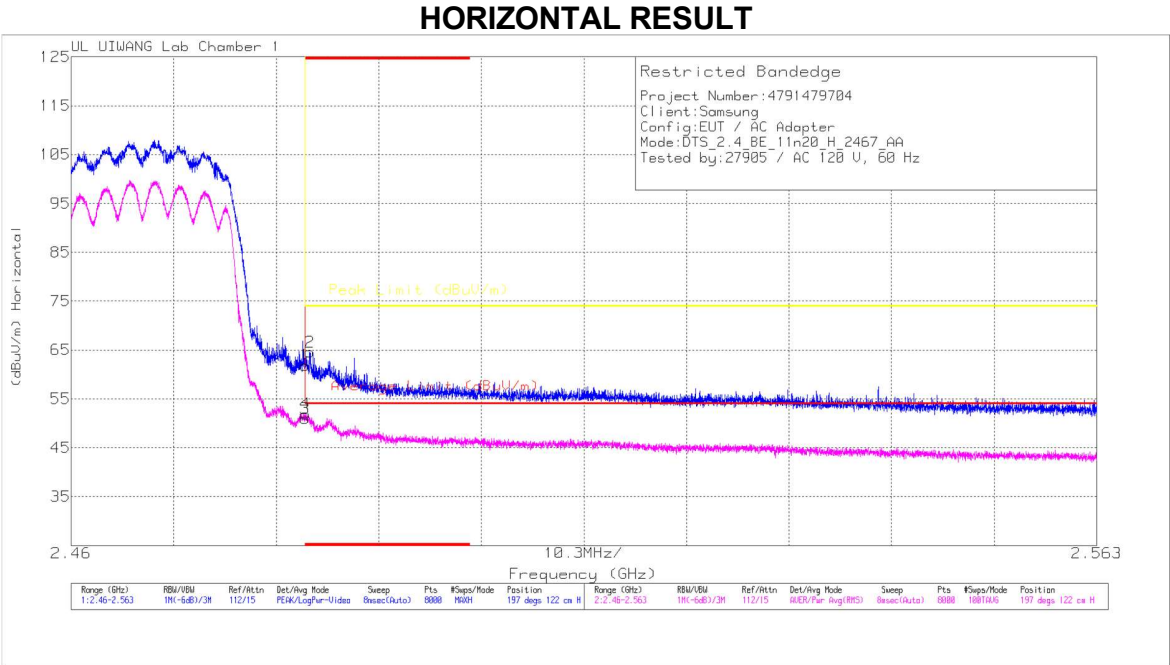
Note1. PK2 - KDB558074 Method: Maximum Peak / MAv1 - KDB558074 Option 1 Maximum RMS Average

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

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

2TX Antenna 0 + Antenna 1

BANDEDGE (WORST CASE: 12 CHANNEL)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	CH1_AF_1-18G_5117_240 804 (dBm)	FB1_PL_1-18G_10dB_240 719 (dB)	CH1_CL_1-40G_Thru_2411 84 (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.4835	53.11	Pk	32.1	-30.5	7.2	0	51.91	-	-	74	-12.09	197	122	H
2	* 2.484	55.76	Pk	32.1	-30.5	7.2	0	64.56	-	-	74	-9.44	197	122	H
3	* 2.4835	41.83	RMS	32.1	-30.5	7.2	41	51.04	54	-2.96	-	-	197	122	H
4	* 2.48353	42.73	RMS	32.1	-30.5	7.2	41	51.84	54	-2.06	-	-	197	122	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 [dB/m]	FB Gain [dB]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2412	MIMO	* 2.39	57.15	Pk	31.90	-30.50	6.90	0.00	65.45	-	-	74.00	-8.55	330	151	H
		* 2.38791	59.46	Pk	31.90	-30.50	6.90	0.00	67.76	-	-	74.00	-6.24	330	151	H
		* 2.39	41.81	RMS	31.90	-30.50	6.90	0.41	50.52	54.00	-3.48	-	-	330	151	H
		* 2.38998	42.65	RMS	31.90	-30.50	6.90	0.41	51.36	54.00	-2.64	-	-	330	151	H
		* 2.39	53.40	Pk	31.90	-30.50	6.90	0.00	61.70	-	-	74.00	-12.30	16	397	V
		* 2.38975	55.95	Pk	31.90	-30.50	6.90	0.00	64.25	-	-	74.00	-9.75	16	397	V
		* 2.39	39.41	RMS	31.90	-30.50	6.90	0.41	48.12	54.00	-5.88	-	-	16	397	V
		* 2.3899	40.46	RMS	31.90	-30.50	6.90	0.41	49.17	54.00	-4.83	-	-	16	397	V
2417	MIMO	* 2.39	50.17	Pk	31.90	-30.50	6.90	0.00	58.47	-	-	74.00	-15.53	201	131	H
		* 2.38586	58.17	Pk	31.90	-30.50	6.90	0.00	66.47	-	-	74.00	-7.53	201	131	H
		* 2.39	40.59	RMS	31.90	-30.50	6.90	0.41	49.30	54.00	-4.70	-	-	201	131	H
		* 2.38845	41.89	RMS	31.90	-30.50	6.90	0.41	50.60	54.00	-3.40	-	-	201	131	H
		* 2.39	46.44	Pk	31.90	-30.50	6.90	0.00	54.74	-	-	74.00	-19.26	171	348	V
		* 2.38392	52.09	Pk	31.90	-30.50	6.90	0.00	60.39	-	-	74.00	-13.61	171	348	V
		* 2.39	36.78	RMS	31.90	-30.50	6.90	0.41	45.49	54.00	-8.51	-	-	171	348	V
		* 2.37852	37.39	RMS	31.90	-30.50	6.90	0.41	46.10	54.00	-7.90	-	-	171	348	V
2422	MIMO	* 2.39	52.26	Pk	31.90	-30.50	6.90	0.00	60.56	-	-	74.00	-13.44	331	101	H
		* 2.38455	54.62	Pk	31.90	-30.50	6.90	0.00	62.92	-	-	74.00	-11.08	331	101	H
		* 2.39	41.16	RMS	31.90	-30.50	6.90	0.41	49.87	54.00	-4.13	-	-	331	101	H
		* 2.37512	41.97	RMS	31.90	-30.50	6.90	0.41	50.68	54.00	-3.32	-	-	331	101	H
		* 2.39	51.53	Pk	31.90	-30.50	6.90	0.00	59.83	-	-	74.00	-14.17	24	398	V
		* 2.3892	52.24	Pk	31.90	-30.50	6.90	0.00	60.54	-	-	74.00	-13.46	24	398	V
		* 2.39	38.79	RMS	31.90	-30.50	6.90	0.41	47.50	54.00	-6.50	-	-	24	398	V
		* 2.38889	39.99	RMS	31.90	-30.50	6.90	0.41	48.70	54.00	-5.30	-	-	24	398	V
2427	MIMO	* 2.39	52.42	Pk	31.90	-30.50	6.90	0.00	60.72	-	-	74.00	-13.28	201	130	H
		* 2.38433	55.22	Pk	31.90	-30.50	6.90	0.00	63.52	-	-	74.00	-10.48	201	130	H
		* 2.39	41.52	RMS	31.90	-30.50	6.90	0.41	50.23	54.00	-3.77	-	-	201	130	H
		* 2.38401	43.18	RMS	31.90	-30.50	6.90	0.41	51.89	54.00	-2.11	-	-	201	130	H
		* 2.39	47.10	Pk	31.90	-30.50	6.90	0.00	55.40	-	-	74.00	-18.60	172	349	V
		* 2.38275	50.08	Pk	31.90	-30.50	6.90	0.00	58.38	-	-	74.00	-15.62	172	349	V
		* 2.39	36.95	RMS	31.90	-30.50	6.90	0.41	45.66	54.00	-8.34	-	-	172	349	V
		* 2.38906	38.25	RMS	31.90	-30.50	6.90	0.41	46.96	54.00	-7.04	-	-	172	349	V
2432	MIMO	* 2.39	52.01	Pk	31.90	-30.50	6.90	0.00	60.31	-	-	74.00	-13.69	199	127	H
		* 2.3885	56.72	Pk	31.90	-30.50	6.90	0.00	65.02	-	-	74.00	-8.98	199	127	H
		* 2.39	41.05	RMS	31.90	-30.50	6.90	0.41	49.76	54.00	-4.24	-	-	199	127	H
		* 2.37331	42.93	RMS	31.90	-30.50	6.90	0.41	51.64	54.00	-2.36	-	-	199	127	H
		* 2.39	43.74	Pk	31.90	-30.50	6.90	0.00	52.04	-	-	74.00	-21.96	64	343	V
		* 2.33052	48.26	Pk	31.80	-30.50	6.80	0.00	56.36	-	-	74.00	-17.64	64	343	V
		* 2.39	34.28	RMS	31.90	-30.50	6.90	0.41	42.99	54.00	-11.01	-	-	64	343	V
		* 2.33211	37.28	RMS	31.80	-30.50	6.80	0.41	45.79	54.00	-8.21	-	-	64	343	V
2437	MIMO	* 2.39	57.10	Pk	31.90	-30.50	6.90	0.00	65.40	-	-	74.00	-8.60	327	148	H
		* 2.39962	57.31	Pk	31.90	-30.50	6.90	0.00	65.61	-	-	74.00	-8.39	327	148	H
		* 2.39	39.26	RMS	31.90	-30.50	6.90	0.41	47.97	54.00	-6.03	-	-	327	148	H
		* 2.38859	40.85	RMS	31.90	-30.50	6.90	0.41	49.56	54.00	-4.44	-	-	327	148	H
		* 2.39	45.62	Pk	31.90	-30.50	6.90	0.00	53.92	-	-	74.00	-20.08	179	349	V
		* 2.388	49.13	Pk	31.90	-30.50	6.90	0.00	57.43	-	-	74.00	-16.57	179	349	V
		* 2.39	36.14	RMS	31.90	-30.50	6.90	0.41	44.85	54.00	-9.15	-	-	179	349	V
		* 2.38951	37.14	RMS	31.90	-30.50	6.90	0.41	45.85	54.00	-8.15	-	-	179	349	V
2447	MIMO	* 2.4835	52.11	Pk	32.10	-30.50	7.20	0.00	60.91	-	-	74.00	-13.09	326	100	H
		* 2.48523	55.43	Pk	32.20	-30.50	7.20	0.00	64.33	-	-	74.00	-9.67	326	100	H
		* 2.4835	39.56	RMS	32.10	-30.50	7.20	0.41	48.77	54.00	-5.23	-	-	326	100	H
		* 2.48386	41.33	RMS	32.10	-30.50	7.20	0.41	50.54	54.00	-3.46	-	-	326	100	H
		* 2.4835	44.54	Pk	32.10	-30.50	7.20	0.00	53.34	-	-	74.00	-20.66	173	288	V
		* 2.48781	47.85	Pk	32.20	-30.50	7.20	0.00	56.75	-	-	74.00	-17.25	173	288	V
		* 2.4835	34.49	RMS	32.10	-30.50	7.20	0.41	43.70	54.00	-10.30	-	-	173	288	V
		* 2.49311	35.87	RMS	32.20	-30.50	7.20	0.41	45.18	54.00	-8.82	-	-	173	288	V
2452	MIMO	* 2.4835	56.91	Pk	32.10	-30.50	7.20	0.00	65.71	-	-	74.00	-8.29	326	100	H
		* 2.48546	59.38	Pk	32.20	-30.50	7.20	0.00	68.28	-	-	74.00	-5.72	326	100	H
		* 2.4835	41.00	RMS	32.10	-30.50	7.20	0.41	50.21	54.00	-3.79	-	-	326	100	H
		* 2.4836	42.12	RMS	32.10	-30.50	7.20	0.41	51.33	54.00	-2.67	-	-	326	100	H
		* 2.4835	45.74	Pk	32.10	-30.50	7.20	0.00	54.54	-	-	74.00	-19.46	170	375	V
		* 2.48663	49.82	Pk	32.20	-30.50	7.20	0.00	58.72	-	-	74.00	-15.28	170	375	V
		* 2.4835	35.72	RMS	32.10	-30.50	7.20	0.41	44.93	54.00	-9.07	-	-	170	375	V
		* 2.48636	35.82	RMS	32.20	-30.50	7.20	0.41	45.13	54.00	-8.87	-	-	170	375	V
2457	MIMO	* 2.4835	54.55	Pk	32.10	-30.50	7.20	0.00	63.35	-	-	74.00	-10.65	200	332	H
		* 2.48829	57.13	Pk	32.20	-30.50	7.20	0.00	66.03	-	-	74.00	-7.97	200	332	H
		* 2.4835	39.85	RMS	32.10	-30.50	7.20	0.41	49.06	54.00	-4.94	-	-	200	332	H
		* 2.48366	41.48	RMS	32.10	-30.50	7.20	0.41	50.69	54.00	-3.31	-	-	200	332	H
		* 2.4835	53.79	Pk	32.10	-30.50	7.20	0.00	62.59	-	-	74.00	-11.41	18	330	V
		* 2.48427	58.54	Pk	32.10	-30.50	7.20	0.00	67.34	-	-	74.00	-6.66	18	330	V
		* 2.4835	40.29	RMS	32.10	-30.50	7.20	0.41	49.50	54.00	-4.50	-	-	18	330	V
		* 2.48376	41.33	RMS	32.10	-30.50	7.20	0.41	50.54	54.00	-3.46	-	-	18	330	V

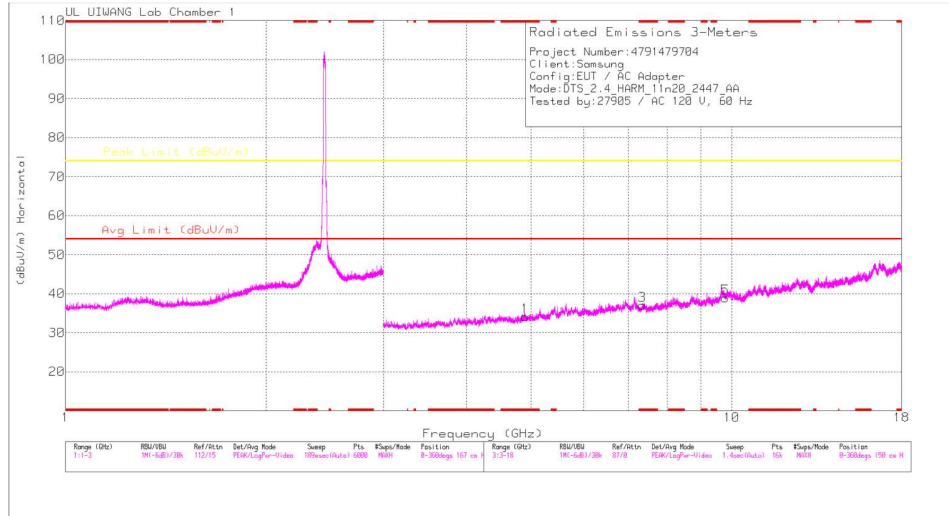
2462	MIMO	* 2.4835	53.17	Pk	32.10	-30.50	7.20	0.00	61.97	-	-	74.00	-12.03	323	102	H
		* 2.48364	55.84	Pk	32.10	-30.50	7.20	0.00	64.64	-	-	74.00	-9.36	323	102	H
		* 2.4835	41.13	RMS	32.10	-30.50	7.20	0.41	50.34	54.00	-3.66	-	-	323	102	H
		* 2.48359	42.14	RMS	32.10	-30.50	7.20	0.41	51.35	54.00	-2.65	-	-	323	102	H
		* 2.4835	49.79	Pk	32.10	-30.50	7.20	0.00	58.59	-	-	74.00	-15.41	30	372	V
		* 2.48541	51.16	Pk	32.20	-30.50	7.20	0.00	60.06	-	-	74.00	-13.94	30	372	V
		* 2.4835	39.54	RMS	32.10	-30.50	7.20	0.41	48.75	54.00	-5.25	-	-	30	372	V
		* 2.4836	40.13	RMS	32.10	-30.50	7.20	0.41	49.34	54.00	-4.66	-	-	30	372	V
2467	MIMO	* 2.4835	53.11	Pk	32.10	-30.50	7.20	0.00	61.91	-	-	74.00	-12.09	197	122	H
		* 2.484	55.76	Pk	32.10	-30.50	7.20	0.00	64.56	-	-	74.00	-9.44	197	122	H
		* 2.4835	41.83	RMS	32.10	-30.50	7.20	0.41	51.04	54.00	-2.96	-	-	197	122	H
		* 2.48353	42.73	RMS	32.10	-30.50	7.20	0.41	51.94	54.00	-2.06	-	-	197	122	H
		* 2.4835	52.79	Pk	32.10	-30.50	7.20	0.00	61.59	-	-	74.00	-12.41	19	372	V
		* 2.48596	52.68	Pk	32.20	-30.50	7.20	0.00	61.58	-	-	74.00	-12.42	19	372	V
		* 2.4835	40.62	RMS	32.10	-30.50	7.20	0.41	49.83	54.00	-4.17	-	-	19	372	V
		* 2.48351	40.87	RMS	32.10	-30.50	7.20	0.41	50.08	54.00	-3.92	-	-	19	372	V
2472	MIMO	* 2.4835	51.74	Pk	32.10	-30.50	7.20	0.00	60.54	-	-	74.00	-13.46	324	100	H
		* 2.48353	52.24	Pk	32.10	-30.50	7.20	0.00	61.04	-	-	74.00	-12.96	324	100	H
		* 2.4835	42.48	RMS	32.10	-30.50	7.20	0.41	51.69	54.00	-2.31	-	-	324	100	H
		* 2.48354	42.55	RMS	32.10	-30.50	7.20	0.41	51.76	54.00	-2.24	-	-	324	100	H
		* 2.4835	46.20	Pk	32.10	-30.50	7.20	0.00	55.00	-	-	74.00	-19.00	173	255	V
		* 2.48356	47.38	Pk	32.10	-30.50	7.20	0.00	58.18	-	-	74.00	-17.82	173	255	V
		* 2.4835	36.95	RMS	32.10	-30.50	7.20	0.41	46.16	54.00	-7.84	-	-	173	255	V
		* 2.48358	37.37	RMS	32.10	-30.50	7.20	0.41	46.58	54.00	-7.42	-	-	173	255	V

Note1. Pk - Peak detector, RMS - RMS detection

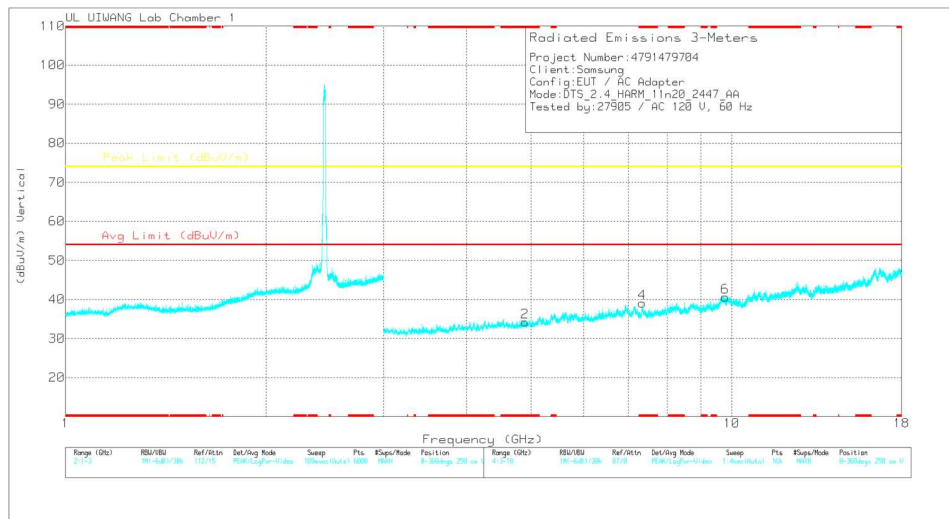
Note2. * - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

HARMONICS AND SPURIOUS EMISSIONS (WORST CASE: 8 CHANNEL)

CH 8 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	CH1_AF_1-18G_3117_24 0924 (dBm)	FB1_PL_1-18G_3G HP_240718 (dB)	CH1_CL_1-40G_Thru_24 1104 (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
* 4.90082	41.7	PK2	33.9	-39.4	9.7	0	45.9	-	-	74	-28.1	323	101	H
* 4.89619	29.85	MAV1	33.9	-39.4	9.7	.41	34.46	54	-19.54	-	-	323	101	H
* 4.89084	40.6	PK2	33.9	-39.4	9.7	0	44.8	-	-	74	-29.2	3	394	V
* 4.89621	29.22	MAV1	33.9	-39.4	9.7	.41	33.83	54	-20.17	-	-	3	394	V
* 7.33522	40.19	PK2	35.6	-39.2	12.4	0	48.99	-	-	74	-25.01	158	121	H
* 7.33818	27.8	MAV1	35.6	-39.2	12.5	.41	37.11	54	-16.89	-	-	158	121	H
* 7.34318	40.92	PK2	35.6	-39.2	12.5	0	49.82	-	-	74	-24.18	355	324	V
* 7.34034	28.2	MAV1	35.6	-39.2	12.5	.41	37.51	54	-16.49	-	-	355	324	V
9.79516	36.25	PK2	36.8	-37.9	14.3	0	49.45	-	-	74	-24.55	219	108	H
9.79272	36.35	PK2	36.8	-37.9	14.3	0	49.55	-	-	74	-24.45	334	118	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]	FB Gain [dB]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2432	MIMO	* 4.8613	40.95	PK2	33.90	-39.30	9.70	0.00	45.25	-	-	74.00	-28.75	325	101	H
		* 4.8634	29.46	MAv1	33.90	-39.30	9.70	0.41	34.17	54.00	-19.83	-	-	325	101	H
		* 4.8627	39.52	PK2	33.90	-39.30	9.70	0.00	43.82	-	-	74.00	-30.18	3	398	V
		* 4.8605	28.65	MAv1	33.90	-39.30	9.70	0.41	33.36	54.00	-20.64	-	-	3	398	V
		* 7.29275	40.46	PK2	35.60	-39.40	12.00	0.00	48.66	-	-	74.00	-25.34	211	115	H
		* 7.29534	27.98	MAv1	35.60	-39.40	12.00	0.41	36.59	54.00	-17.41	-	-	211	115	H
		* 7.30045	40.32	PK2	35.60	-39.40	12.00	0.00	48.52	-	-	74.00	-25.48	151	102	V
		* 7.29571	27.64	MAv1	35.60	-39.40	12.00	0.41	36.25	54.00	-17.75	-	-	151	102	V
		9.732	36.09	PK2	36.70	-37.60	14.70	0.00	49.89	-	-	74.00	-24.11	0	100	H
		9.731	36.18	PK2	36.70	-37.60	14.70	0.00	49.98	-	-	74.00	-24.02	0	100	V
		* 4.87401	41.52	PK2	33.90	-39.40	9.70	0.00	45.72	-	-	74.00	-28.28	327	103	H
2437	MIMO	* 4.87137	30.52	MAv1	33.90	-39.40	9.70	0.41	35.13	54.00	-18.87	-	-	327	103	H
		* 4.87356	40.83	PK2	33.90	-39.40	9.70	0.00	45.03	-	-	74.00	-28.97	12	350	V
		* 4.8784	29.42	MAv1	33.90	-39.40	9.70	0.41	34.03	54.00	-19.97	-	-	12	350	V
		* 7.31801	41.24	PK2	35.60	-39.30	12.20	0.00	49.74	-	-	74.00	-24.26	163	112	H
		* 7.30792	28.46	MAv1	35.60	-39.40	12.10	0.41	37.17	54.00	-16.83	-	-	163	112	H
		* 7.32081	40.51	PK2	35.60	-39.30	12.30	0.00	49.11	-	-	74.00	-24.89	210	116	V
		* 7.31042	28.03	MAv1	35.60	-39.40	12.10	0.41	36.74	54.00	-17.26	-	-	210	116	V
		9.746	34.84	PK2	36.70	-37.60	14.40	0.00	48.34	-	-	74.00	-25.66	0	100	H
		9.739	34.97	PK2	36.70	-37.60	14.60	0.00	48.67	-	-	74.00	-25.33	0	100	V
		* 4.90082	41.70	PK2	33.90	-39.40	9.70	0.00	45.90	-	-	74.00	-28.10	323	101	H
		* 4.89619	29.85	MAv1	33.90	-39.40	9.70	0.41	34.46	54.00	-19.54	-	-	323	101	H
2447	MIMO	* 4.89084	40.60	PK2	33.90	-39.40	9.70	0.00	44.80	-	-	74.00	-29.20	3	394	V
		* 4.89621	29.22	MAv1	33.90	-39.40	9.70	0.41	33.83	54.00	-20.17	-	-	3	394	V
		* 7.33522	40.19	PK2	35.60	-39.20	12.40	0.00	48.99	-	-	74.00	-25.01	158	121	H
		* 7.33818	27.80	MAv1	35.60	-39.20	12.50	0.41	37.11	54.00	-16.89	-	-	158	121	H
		* 7.34318	40.92	PK2	35.60	-39.20	12.50	0.00	49.82	-	-	74.00	-24.18	355	324	V
		* 7.34034	28.20	MAv1	35.60	-39.20	12.50	0.41	37.51	54.00	-16.49	-	-	355	324	V
		9.795	36.25	PK2	36.80	-37.90	14.30	0.00	49.45	-	-	74.00	-24.55	219	108	H
		9.793	36.35	PK2	36.80	-37.90	14.30	0.00	49.55	-	-	74.00	-24.45	334	118	V

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

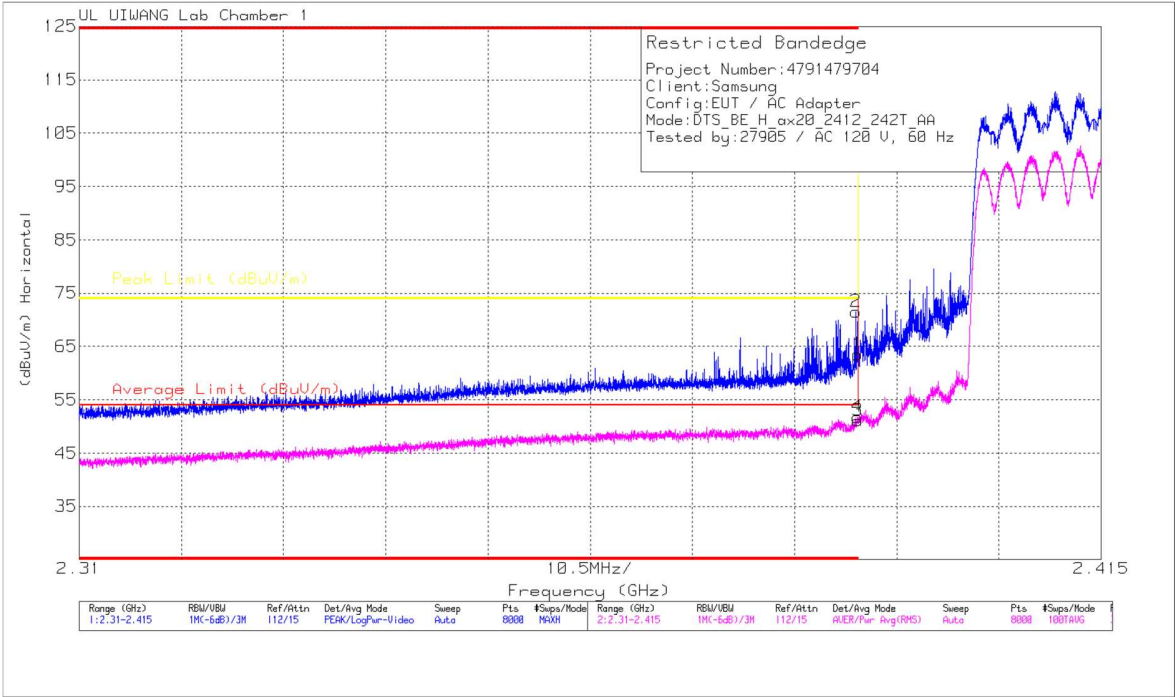
Note2. * - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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

2TX Antenna 0 + Antenna 1

BANDEDGE (WORST CASE: 1 CHANNEL)

HORIZONTAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	CH1 AF 1-18G 3117 240 924 (dBm)	FB1 PL 1-18G 10dB 240 718 (dB)	CH1 CL 1-40G Thru 2411 04 (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	55.22	Pk	31.9	-30.5	6.9	0	63.52	-	-	74	-10.48	313	104	H
2	*2.38979	63.24	Pk	31.9	-30.5	6.9	0	71.54	-	-	74	-2.46	313	104	H
3	*2.39	41.45	RMS	31.9	-30.5	6.9	1.35	51.1	54	-2.9	-	-	313	104	H
4	*2.38996	42.15	RMS	31.9	-30.5	6.9	1.35	51.8	54	-2.2	-	-	313	104	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 [dB/m]	FB Gain [dB]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2412 Full Tone	MIMO	* 2.39	55.22	Pk	31.90	-30.50	6.90	0.00	63.52	-	-	74.00	-10.48	313	104	H
		* 2.38979	63.24	Pk	31.90	-30.50	6.90	0.00	71.54	-	-	74.00	-2.46	313	104	H
		* 2.39	41.45	RMS	31.90	-30.50	6.90	1.35	51.10	54.00	-2.90	-	-	313	104	H
		* 2.38996	42.15	RMS	31.90	-30.50	6.90	1.35	51.80	54.00	-2.20	-	-	313	104	H
		* 2.39	45.87	Pk	31.90	-30.50	6.90	0.00	54.17	-	-	74.00	-19.83	173	305	V
		* 2.38611	54.66	Pk	31.90	-30.50	6.90	0.00	62.96	-	-	74.00	-11.04	173	305	V
		* 2.39	34.93	RMS	31.90	-30.50	6.90	1.35	44.58	54.00	-9.42	-	-	173	305	V
2412 26 Tone Offset 0	MIMO	* 2.38979	35.84	RMS	31.90	-30.50	6.90	1.35	45.49	54.00	-8.51	-	-	173	305	V
		* 2.39	51.22	Pk	31.90	-34.10	6.60	0.00	55.62	-	-	74.00	-18.38	10	148	H
		* 2.38944	54.58	Pk	31.90	-34.10	6.60	0.00	58.98	-	-	74.00	-15.02	10	148	H
		* 2.39	42.09	RMS	31.90	-34.10	6.60	1.00	47.49	54.00	-6.51	-	-	10	148	H
		* 2.38832	42.77	RMS	31.90	-34.10	6.60	1.00	48.17	54.00	-5.83	-	-	10	148	H
		* 2.39	44.81	Pk	31.90	-34.10	6.60	0.00	49.21	-	-	74.00	-24.79	203	253	V
		* 2.37707	47.99	Pk	31.80	-34.00	6.60	0.00	52.39	-	-	74.00	-21.61	203	253	V
2417 Full Tone	MIMO	* 2.39	35.86	RMS	31.90	-34.10	6.60	1.00	41.26	54.00	-12.74	-	-	203	253	V
		* 2.38677	36.20	RMS	31.90	-34.10	6.60	1.00	41.60	54.00	-12.40	-	-	203	253	V
		* 2.39	56.41	Pk	31.90	-30.50	6.90	0.00	64.71	-	-	74.00	-9.29	215	101	H
		* 2.38985	62.80	Pk	31.90	-30.50	6.90	0.00	71.10	-	-	74.00	-2.90	215	101	H
		* 2.39	40.84	RMS	31.90	-30.50	6.90	1.35	50.49	54.00	-3.51	-	-	215	101	H
		* 2.38843	41.57	RMS	31.90	-30.50	6.90	1.35	51.22	54.00	-2.78	-	-	215	101	H
		* 2.39	59.30	Pk	31.90	-30.50	6.90	0.00	67.60	-	-	74.00	-6.40	6	396	V
2422 Full Tone	MIMO	* 2.38725	61.27	Pk	31.90	-30.50	6.90	0.00	69.57	-	-	74.00	-4.43	6	396	V
		* 2.39	38.55	RMS	31.90	-30.50	6.90	1.35	48.20	54.00	-5.80	-	-	6	396	V
		* 2.38464	40.46	RMS	31.90	-30.50	6.90	1.35	50.11	54.00	-3.89	-	-	6	396	V
		* 2.39	52.87	Pk	31.90	-30.50	6.90	0.00	61.17	-	-	74.00	-12.83	252	169	H
		* 2.38797	57.62	Pk	31.90	-30.50	6.90	0.00	65.92	-	-	74.00	-8.08	252	169	H
		* 2.39	39.17	RMS	31.90	-30.50	6.90	1.35	48.82	54.00	-5.18	-	-	252	169	H
		* 2.38557	40.12	RMS	31.90	-30.50	6.90	1.35	49.77	54.00	-4.23	-	-	252	169	H
2427 Full Tone	MIMO	* 2.39	51.14	Pk	31.90	-30.50	6.90	0.00	58.44	-	-	74.00	-14.56	43	396	V
		* 2.38503	58.49	Pk	31.90	-30.50	6.90	0.00	66.79	-	-	74.00	-7.21	43	396	V
		* 2.39	37.20	RMS	31.90	-30.50	6.90	1.35	46.85	54.00	-7.15	-	-	43	396	V
		* 2.38664	38.84	RMS	31.90	-30.50	6.90	1.35	48.49	54.00	-5.51	-	-	43	396	V
		* 2.39	53.30	Pk	31.90	-30.50	6.90	0.00	61.60	-	-	74.00	-12.40	254	169	H
		* 2.38833	59.65	Pk	31.90	-30.50	6.90	0.00	67.95	-	-	74.00	-6.05	254	169	H
		* 2.39	40.20	RMS	31.90	-30.50	6.90	1.35	49.85	54.00	-4.15	-	-	254	169	H
2432 Full Tone	MIMO	* 2.38801	41.28	RMS	31.90	-30.50	6.90	1.35	50.93	54.00	-3.07	-	-	254	169	H
		* 2.39	46.74	Pk	31.90	-30.50	6.90	0.00	55.04	-	-	74.00	-18.96	170	240	V
		* 2.38803	51.96	Pk	31.90	-30.50	6.90	0.00	60.26	-	-	74.00	-13.74	170	240	V
		* 2.39	35.06	RMS	31.90	-30.50	6.90	1.35	44.71	54.00	-9.29	-	-	170	240	V
		* 2.37468	36.19	RMS	31.90	-30.50	6.90	1.35	45.84	54.00	-8.16	-	-	170	240	V
		* 2.39	52.01	Pk	31.90	-30.50	6.90	0.00	60.31	-	-	74.00	-13.69	250	102	H
		* 2.38803	58.86	Pk	31.90	-30.50	6.90	0.00	67.16	-	-	74.00	-6.84	250	102	H
2437 Full Tone	MIMO	* 2.39	39.80	RMS	31.90	-30.50	6.90	1.35	49.45	54.00	-4.55	-	-	250	102	H
		* 2.3875	40.52	RMS	31.90	-30.50	6.90	1.35	50.17	54.00	-3.83	-	-	250	102	H
		* 2.39	47.81	Pk	31.90	-30.50	6.90	0.00	56.11	-	-	74.00	-17.89	172	308	V
		* 2.38876	53.20	Pk	31.90	-30.50	6.90	0.00	61.50	-	-	74.00	-12.50	172	308	V
		* 2.39	35.75	RMS	31.90	-30.50	6.90	1.35	45.40	54.00	-8.60	-	-	172	308	V
		* 2.38666	37.93	RMS	31.90	-30.50	6.90	1.35	47.58	54.00	-6.42	-	-	172	308	V
		* 2.39	47.71	Pk	31.90	-30.50	6.90	0.00	56.01	-	-	74.00	-17.99	252	340	H
2447 Full Tone	MIMO	* 2.38878	50.22	Pk	31.90	-30.50	6.90	0.00	58.52	-	-	74.00	-15.48	252	340	H
		* 2.39	37.64	RMS	31.90	-30.50	6.90	1.35	47.29	54.00	-6.71	-	-	252	340	H
		* 2.38809	38.45	RMS	31.90	-30.50	6.90	1.35	48.10	54.00	-5.90	-	-	252	340	H
		* 2.39	47.62	Pk	31.90	-30.50	6.90	0.00	55.92	-	-	74.00	-18.08	179	269	V
		* 2.38854	51.88	Pk	31.90	-30.50	6.90	0.00	60.18	-	-	74.00	-13.82	179	269	V
		* 2.39	37.13	RMS	31.90	-30.50	6.90	1.35	46.78	54.00	-7.22	-	-	179	269	V
		* 2.3888	38.41	RMS	31.90	-30.50	6.90	1.35	48.06	54.00	-5.94	-	-	179	269	V
2452 Full Tone	MIMO	* 2.4835	53.78	Pk	32.10	-30.50	7.20	0.00	62.58	-	-	74.00	-11.42	330	102	H
		* 2.48642	57.49	Pk	32.20	-30.50	7.20	0.00	66.39	-	-	74.00	-7.61	330	102	H
		* 2.4835	38.21	RMS	32.10	-30.50	7.20	1.35	48.36	54.00	-5.64	-	-	330	102	H
		* 2.48363	39.95	RMS	32.10	-30.50	7.20	1.35	50.10	54.00	-3.90	-	-	330	102	H
		* 2.4835	47.00	Pk	32.10	-30.50	7.20	0.00	55.80	-	-	74.00	-18.20	172	296	V
		* 2.48355	52.97	Pk	32.10	-30.50	7.20	0.00	61.77	-	-	74.00	-12.23	172	296	V
		* 2.4835	34.62	RMS	32.10	-30.50	7.20	1.35	44.77	54.00	-9.23	-	-	172	296	V
2457 Full Tone	MIMO	* 2.4859	36.12	RMS	32.20	-30.50	7.20	1.35	46.37	54.00	-7.63	-	-	172	296	V
		* 2.4835	61.17	Pk	32.10	-30.50	7.20	0.00	69.97	-	-	74.00	-4.03	336	100	H
		* 2.48405	62.36	Pk	32.10	-30.50	7.20	0.00	71.16	-	-	74.00	-2.84	336	100	H
		* 2.4835	38.89	RMS	32.10	-30.50	7.20	1.35	49.04	54.00	-4.96	-	-	336	100	H
		* 2.48358	40.93	RMS	32.10	-30.50	7.20	1.35	51.08	54.00	-2.92	-	-	336	100	H
		* 2.4835	54.22	Pk	32.10	-30.50	7.20	0.00	63.02	-	-	74.00	-10.98	25	262	V
		* 2.48703	59.71	Pk	32.20	-30.50	7.20	0.00	68.61	-	-	74.00	-5.39	25	262	V
2457 Full Tone	MIMO	* 2.4835	37.73	RMS	32.10	-30.50	7.20	1.35	47.88	54.00	-6.12	-	-	25	262	V
		* 2.48399	39.62	RMS	32.10	-30.50	7.20	1.35	49.77	54.00	-4.23	-	-	25	262	V
		* 2.4835	56.36	Pk	32.10	-30.50	7.20	0.00	65.16	-	-	74.00	-8.84	291	183	H
		* 2.48517	59.43	Pk	32.20	-30.50	7.20	0.00	68.33	-	-	74.00	-5.67	291	183	H
		* 2.4835	37.15	RMS	32.10	-30.50	7.20	1.35	47.30	54.00	-6.70	-	-	291	183	H
		* 2.49517	40.43	RMS	32.20	-30.50	7.20	1.35	50.68	54.00	-3.32	-	-	291	183	H
		* 2.4835	49.08	Pk	32.10	-30.50	7.20	0.00	57.88	-	-	74.00	-16.12	180	377	V
2457 Full Tone	MIMO	* 2.48498	57.64	Pk	32.10	-30.50	7.20	0.00	66.44	-	-	74.00	-7.56	180	377	V
		* 2.4835	34.91	RMS	32.10	-30.50	7.20	1.35	45.06	54.00	-8.94	-	-	180	377	V
		* 2.48385	35.96	RMS	32.10	-30.50	7.20	1.35	46.11	54.00	-7.89	-	-	180	377	V

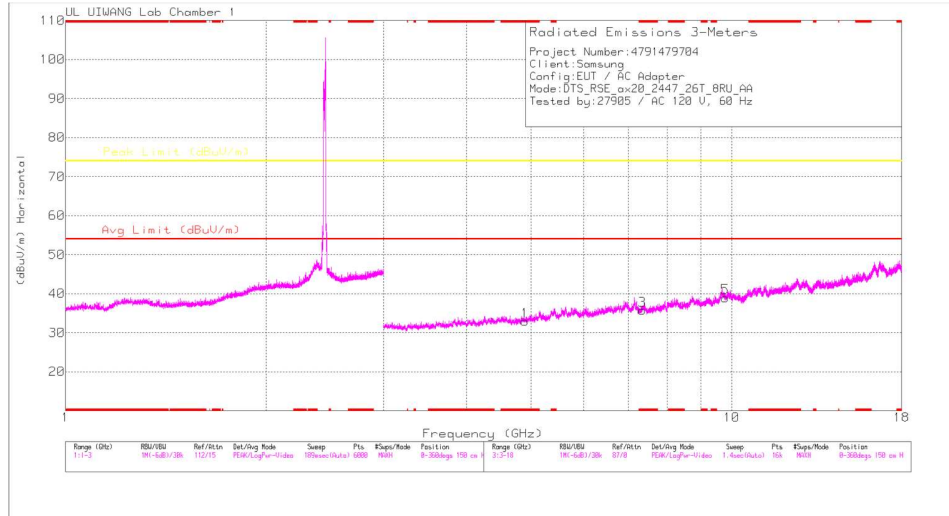
2462 Full Tone	MIMO	* 2.4835	54.78	Pk	32.10	-30.50	7.20	0.00	63.58	-	-	74.00	-10.42	336	122	H
		* 2.4842	61.30	Pk	32.10	-30.50	7.20	0.00	70.10	-	-	74.00	-3.90	336	122	H
		* 2.4835	39.41	RMS	32.10	-30.50	7.20	1.35	49.56	54.00	-4.44	-	-	336	122	H
		* 2.48387	41.02	RMS	32.10	-30.50	7.20	1.35	51.17	54.00	-2.83	-	-	336	122	H
		* 2.4835	47.51	Pk	32.10	-30.50	7.20	0.00	56.31	-	-	74.00	-17.89	182	260	V
		* 2.48595	54.01	Pk	32.20	-30.50	7.20	0.00	62.91	-	-	74.00	-11.09	182	260	V
		* 2.4835	33.48	RMS	32.10	-30.50	7.20	1.35	43.63	54.00	-10.37	-	-	182	260	V
		* 2.48429	35.26	RMS	32.10	-30.50	7.20	1.35	45.41	54.00	-8.59	-	-	182	260	V
2462 26 Tone Offset 8	MIMO	* 2.4835	47.73	Pk	32.10	-30.50	7.20	0.00	56.53	-	-	74.00	-17.47	68	100	H
		2.504	53.22	Pk	32.20	-30.50	7.20	0.00	62.12	-	-	74.00	-11.88	68	100	H
		* 2.4835	36.44	RMS	32.10	-30.50	7.20	1.00	46.24	54.00	-7.76	-	-	68	100	H
		* 2.48554	38.06	RMS	32.20	-30.50	7.20	1.00	47.96	54.00	-6.04	-	-	68	100	H
		* 2.4835	44.36	Pk	32.20	-34.10	6.70	0.00	49.16	-	-	74.00	-24.84	214	397	V
		* 2.48875	47.52	Pk	32.20	-34.10	6.70	0.00	52.32	-	-	74.00	-21.68	214	397	V
		* 2.4835	34.00	RMS	32.20	-34.10	6.70	1.00	39.80	54.00	-14.20	-	-	214	397	V
		* 2.48541	35.07	RMS	32.20	-34.10	6.70	1.00	40.87	54.00	-13.13	-	-	214	397	V
2467 Full Tone	MIMO	* 2.4835	52.26	Pk	32.10	-30.50	7.20	0.00	61.06	-	-	74.00	-12.94	331	101	H
		* 2.48432	60.99	Pk	32.10	-30.50	7.20	0.00	69.79	-	-	74.00	-4.21	331	101	H
		* 2.4835	40.76	RMS	32.10	-30.50	7.20	1.35	50.91	54.00	-3.09	-	-	331	101	H
		* 2.48367	41.35	RMS	32.10	-30.50	7.20	1.35	51.50	54.00	-2.50	-	-	331	101	H
		* 2.4835	46.39	Pk	32.10	-30.50	7.20	0.00	55.19	-	-	74.00	-18.81	164	321	V
		* 2.48611	58.14	Pk	32.20	-30.50	7.20	0.00	67.04	-	-	74.00	-6.96	164	321	V
		* 2.4835	35.17	RMS	32.10	-30.50	7.20	1.35	45.32	54.00	-8.68	-	-	164	321	V
		* 2.484	35.91	RMS	32.10	-30.50	7.20	1.35	46.06	54.00	-7.94	-	-	164	321	V
2467 26 Tone Offset 8	MIMO	* 2.4835	47.75	Pk	32.10	-30.50	7.20	0.00	56.55	-	-	74.00	-17.45	70	100	H
		* 2.48432	50.71	Pk	32.10	-30.50	7.20	0.00	59.51	-	-	74.00	-14.49	70	100	H
		* 2.4835	36.37	RMS	32.10	-30.50	7.20	1.00	46.17	54.00	-7.83	-	-	70	100	H
		* 2.48475	38.77	RMS	32.10	-30.50	7.20	1.00	48.57	54.00	-5.43	-	-	70	100	H
		* 2.4835	44.13	Pk	32.20	-34.10	6.70	0.00	48.93	-	-	74.00	-25.07	214	398	V
		2.543	46.49	Pk	32.20	-34.00	6.90	0.00	51.59	-	-	74.00	-22.41	214	398	V
		* 2.4835	34.37	RMS	32.20	-34.10	6.70	1.00	40.17	54.00	-13.83	-	-	214	398	V
		* 2.49048	35.23	RMS	32.20	-34.10	6.70	1.00	41.03	54.00	-12.97	-	-	214	398	V
2472 Full Tone	MIMO	* 2.4835	48.72	Pk	32.10	-30.50	7.20	0.00	57.52	-	-	74.00	-16.48	290	102	H
		* 2.48619	50.45	Pk	32.20	-30.50	7.20	0.00	59.35	-	-	74.00	-14.65	290	102	H
		* 2.4835	35.93	RMS	32.10	-30.50	7.20	1.35	46.08	54.00	-7.92	-	-	290	102	H
		* 2.48366	37.45	RMS	32.10	-30.50	7.20	1.35	47.60	54.00	-6.40	-	-	290	102	H
		* 2.4835	42.58	Pk	32.10	-30.50	7.20	0.00	51.38	-	-	74.00	-22.62	227	292	V
		2.512	44.72	Pk	32.20	-30.50	7.20	0.00	53.62	-	-	74.00	-20.38	227	292	V
		* 2.4835	33.20	RMS	32.10	-30.50	7.20	1.35	43.35	54.00	-10.65	-	-	227	292	V
		* 2.48351	33.52	RMS	32.10	-30.50	7.20	1.35	43.67	54.00	-10.33	-	-	227	292	V
2472 26 Tone Offset 8	MIMO	* 2.4835	58.50	Pk	32.10	-30.50	7.20	0.00	67.30	-	-	74.00	-6.70	101	100	H
		* 2.48353	59.59	Pk	32.10	-30.50	7.20	0.00	68.39	-	-	74.00	-5.61	101	100	H
		* 2.4835	36.32	RMS	32.10	-30.50	7.20	1.00	46.12	54.00	-7.88	-	-	101	100	H
		* 2.48364	39.36	RMS	32.10	-30.50	7.20	1.00	49.16	54.00	-4.84	-	-	101	100	H
		* 2.4835	51.67	Pk	32.20	-34.10	6.70	0.00	56.47	-	-	74.00	-17.53	225	109	V
		* 2.48362	52.01	Pk	32.20	-34.10	6.70	0.00	56.81	-	-	74.00	-17.19	225	109	V
		* 2.4835	33.89	RMS	32.20	-34.10	6.70	1.00	39.69	54.00	-14.31	-	-	225	109	V
		* 2.48369	36.42	RMS	32.20	-34.10	6.70	1.00	42.22	54.00	-11.78	-	-	225	109	V

Note1. Pk - Peak detector, RMS - RMS detection

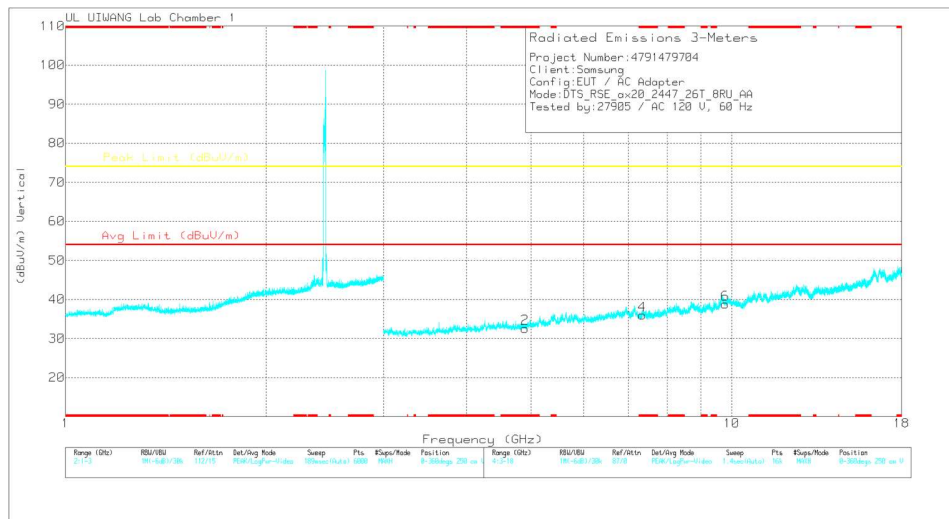
Note2. * - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

HARMONICS AND SPURIOUS EMISSIONS (WORST CASE: 8 CHANNEL, 8RU)

CH 8 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	CH1_AF_1-18G_3G HP_240718 0924 (dBm)	FB1_PL_1-18G_3G HP_240718 (dB)	CH1_CL_1-40G_Thru_24 1104 (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
* 4.88508	39.1	PK2	33.9	-39.4	9.7	0	43.3	-	-	74	-30.7	48	140	H
* 4.9008	28.06	MAV1	33.9	-39.4	9.7	1	33.26	54	-20.74	-	-	48	140	H
* 7.34094	37.34	PK2	35.6	-39.2	12.5	0	46.24	-	-	74	-27.76	230	155	H
* 7.34811	26.21	MAV1	35.6	-39.2	12.6	1	36.21	54	-17.79	-	-	230	155	H
9.78161	36.8	PK2	36.8	-37.8	14.4	0	50.2	-	-	74	-23.8	253	102	H
* 4.90386	38.73	PK2	33.9	-39.4	9.7	0	42.93	-	-	74	-31.07	69	132	V
* 4.89451	28.21	MAV1	33.9	-39.4	9.7	1	33.41	54	-20.59	-	-	69	132	V
* 7.34713	37.26	PK2	35.6	-39.2	12.6	0	46.26	-	-	74	-27.74	248	150	V
* 7.34735	26.3	MAV1	35.6	-39.2	12.6	1	36.3	54	-17.7	-	-	248	150	V
9.79304	36.76	PK2	36.8	-37.9	14.3	0	49.96	-	-	74	-24.04	103	167	V

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

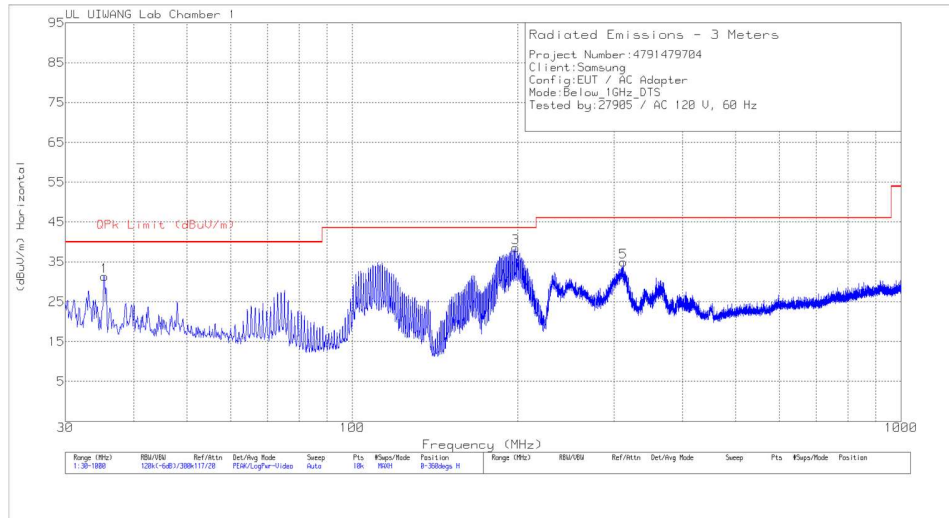
HARMONICS AND SPURIOUS EMISSIONS TEST DATA

Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	FB Gain [dB]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2432 26 Tone Offset 0	MIMO	* 4.84625	41.64	PK2	33.90	-39.30	9.70	0.00	45.94	-	-	74.00	-28.06	44	117	H
		* 4.84648	29.14	MAv1	33.90	-39.30	9.70	1.00	34.44	54.00	-19.56	-	-	44	117	H
		* 4.85554	39.25	PK2	33.90	-39.30	9.70	0.00	43.55	-	-	74.00	-30.45	263	132	V
		* 4.86836	27.74	MAv1	33.90	-39.40	9.70	1.00	32.94	54.00	-21.06	-	-	263	132	V
		* 7.29779	37.83	PK2	35.60	-39.40	12.00	0.00	46.03	-	-	74.00	-27.97	17	105	H
		* 7.2899	26.47	MAv1	35.60	-39.40	12.00	1.00	35.67	54.00	-18.33	-	-	17	105	H
		* 7.28996	38.25	PK2	35.60	-39.40	12.00	0.00	46.45	-	-	74.00	-27.55	14	174	V
		* 7.30833	26.25	MAv1	35.60	-39.40	12.10	1.00	35.55	54.00	-18.45	-	-	14	174	V
		9.733	36.00	PK2	36.70	-37.60	14.70	0.00	49.80	-	-	74.00	-24.20	197	395	H
		9.742	36.38	PK2	36.70	-37.60	14.50	0.00	49.98	-	-	74.00	-24.02	203	260	V
2437 26 Tone Offset 0	MIMO	4.476	39.85	PK2	33.80	-39.60	9.80	0.00	43.85	-	-	74.00	-30.15	70	159	H
		* 7.31757	38.14	PK2	35.60	-39.30	12.20	0.00	46.64	-	-	74.00	-27.36	356	337	H
		* 7.3057	26.32	MAv1	35.60	-39.40	12.10	1.00	35.62	54.00	-18.38	-	-	356	337	H
		9.739	35.70	PK2	36.70	-37.60	14.60	0.00	49.40	-	-	74.00	-24.60	252	109	H
		4.464	39.97	PK2	33.70	-39.60	9.70	0.00	43.77	-	-	74.00	-30.23	47	275	V
		* 7.30436	37.76	PK2	35.60	-39.40	12.00	0.00	45.96	-	-	74.00	-28.04	26	362	V
		* 7.31551	26.33	MAv1	35.60	-39.40	12.20	1.00	35.73	54.00	-18.27	-	-	26	362	V
		9.746	35.58	PK2	36.70	-37.60	14.40	0.00	49.08	-	-	74.00	-24.92	10	373	V
2447 26 Tone Offset 8	MIMO	* 4.88508	39.10	PK2	33.90	-39.40	9.70	0.00	43.30	-	-	74.00	-30.70	48	140	H
		* 4.9008	28.06	MAv1	33.90	-39.40	9.70	1.00	33.26	54.00	-20.74	-	-	48	140	H
		* 7.34094	37.34	PK2	35.60	-39.20	12.50	0.00	46.24	-	-	74.00	-27.76	230	155	H
		* 7.34811	26.21	MAv1	35.60	-39.20	12.60	1.00	36.21	54.00	-17.79	-	-	230	155	H
		9.782	36.80	PK2	36.80	-37.80	14.40	0.00	50.20	-	-	74.00	-23.80	263	102	H
		* 4.90386	38.73	PK2	33.90	-39.40	9.70	0.00	42.93	-	-	74.00	-31.07	69	132	V
		* 4.89451	28.21	MAv1	33.90	-39.40	9.70	1.00	33.41	54.00	-20.59	-	-	69	132	V
		* 7.34713	37.26	PK2	35.60	-39.20	12.60	0.00	46.25	-	-	74.00	-27.74	248	150	V
		* 7.34735	26.30	MAv1	35.60	-39.20	12.60	1.00	36.30	54.00	-17.70	-	-	248	150	V
		9.793	36.76	PK2	36.80	-37.90	14.30	0.00	49.96	-	-	74.00	-24.04	103	167	V

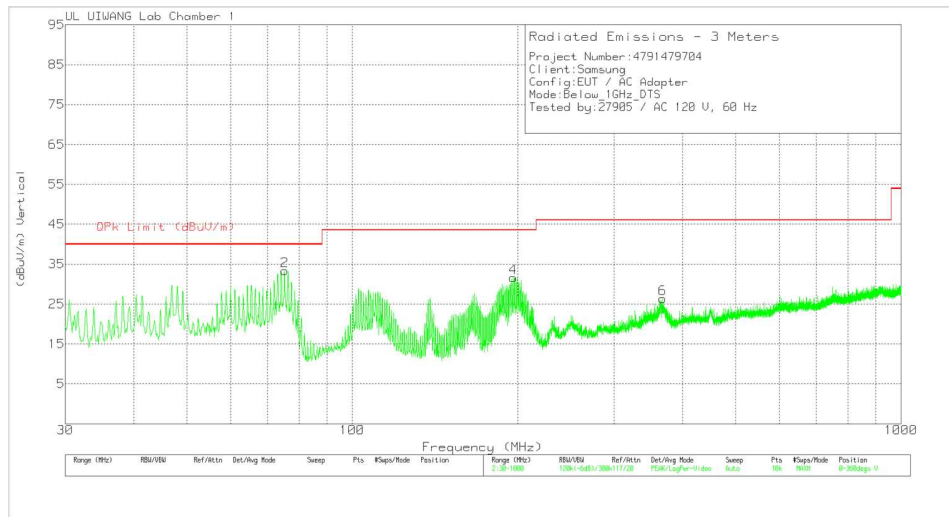
Note1. PK2 - KDB558074 Method: Maximum Peak / MAv1 - KDB558074 Option 1 Maximum RMS Average

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

11.2. WORST CASE BELOW 1 GHZ



HORIZONTAL



VERTICAL

Below 1GHz DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB 9163 (dB/m)	1Cham_30M-1000M_AMP/ELNA 03-400 (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	35.3356	54.64	Pk	16.6	-39.9	31.34	40	-8.66	0-360	100	H
2	75.3037	59.83	Pk	13.2	-39.7	33.33	40	-6.67	0-360	100	V
3	75.3193	58.55	Qp	13.2	-39.7	32.05	40	-7.95	170	100	V
4	198.6034	60.4	Pk	17.3	-39.1	38.6	43.52	-4.92	0-360	100	H
5	198.5514	58.41	Qp	17.4	-39.1	36.71	43.52	-6.81	29	147	H
6	196.4692	53.15	Pk	17.6	-39.1	31.65	43.52	-11.87	0-360	100	V
7	312.1051	54.34	Pk	19.2	-38.6	34.94	46.02	-11.08	0-360	100	H
8	367.7888	44.13	Pk	20.6	-38.4	26.33	46.02	-19.69	0-360	200	V

Pk - Peak detector

12. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a), RSS-GEN Clause 8.8

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

12.1.1. AC Power Line

LINE 1 RESULTS

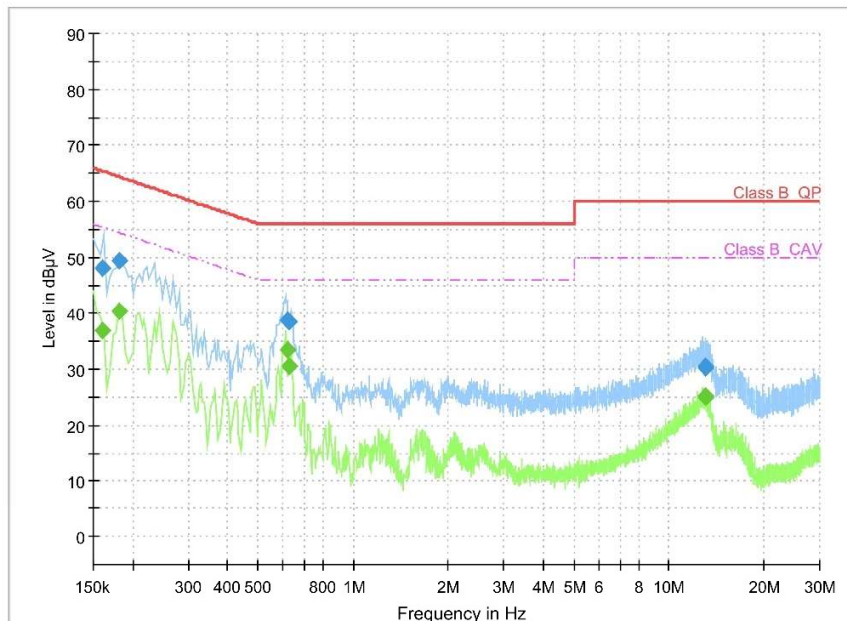
AC LINE DTS-L

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Test Report

Common Information

Project No: 4791479704
Test Description: Shielded Room#1, Conducted Emission
Test Standard: FCC Part 15 Subpart C
Model Name: WCF933M
Test Voltage: AC 120 V, 60 Hz
Test Mode: AC Line DTS
Operator: 27905
Line: LINE
Remark:



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.159640	48.00	---	65.48	17.48	9.000	L1	ON	9.8
0.159640	---	37.04	55.48	18.44	9.000	L1	ON	9.8
0.180680	49.31	---	64.45	15.15	9.000	L1	ON	9.9
0.180680	---	40.28	54.45	14.18	9.000	L1	ON	9.9
0.616030	38.79	---	56.00	17.21	9.000	L1	ON	9.8
0.616030	---	33.47	46.00	12.53	9.000	L1	ON	9.8
0.625820	38.49	---	56.00	17.51	9.000	L1	ON	9.8
0.625820	---	30.60	46.00	15.40	9.000	L1	ON	9.8
13.083170	30.38	---	60.00	29.62	9.000	L1	ON	10.0
13.083170	---	24.93	50.00	25.07	9.000	L1	ON	10.0
13.100650	30.59	---	60.00	29.41	9.000	L1	ON	10.0
13.100650	---	25.23	50.00	24.77	9.000	L1	ON	10.0

LINE 2 RESULTS

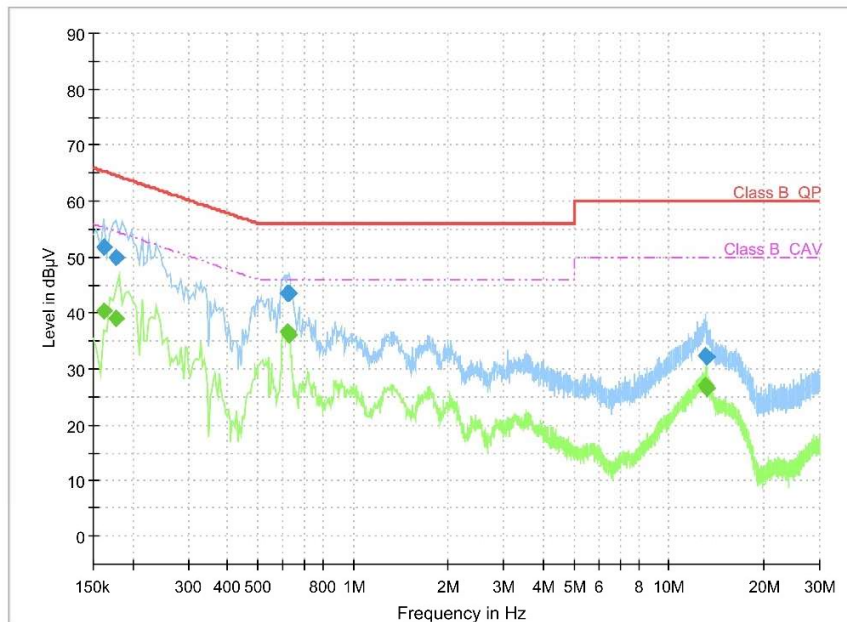
AC LINE DTS-N

1 / 1

Test Report

Common Information

Project No: 4791479704
Test Description: Shielded Room#1, Conducted Emission
Test Standard: FCC Part 15 Subpart C
Model Name: WCF933M
Test Voltage: AC 120 V, 60 Hz
Test Mode: AC Line DTS
Operator: 27905
Line: NEUTRAL
Remark:



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.161460	51.76	---	65.39	13.63	9.000	N	ON	9.8
0.161460	---	40.44	55.39	14.94	9.000	N	ON	9.8
0.178200	49.96	---	64.57	14.61	9.000	N	ON	9.9
0.178200	---	39.14	54.57	15.43	9.000	N	ON	9.9
0.621610	43.48	---	56.00	12.52	9.000	N	ON	9.8
0.621610	---	36.58	46.00	9.42	9.000	N	ON	9.8
0.623740	43.47	---	56.00	12.53	9.000	N	ON	9.8
0.623740	---	36.02	46.00	9.98	9.000	N	ON	9.8
13.022010	32.47	---	60.00	27.53	9.000	N	ON	10.0
13.022010	---	27.01	50.00	22.99	9.000	N	ON	10.0
13.146230	32.04	---	60.00	27.96	9.000	N	ON	10.0
13.146230	---	26.64	50.00	23.36	9.000	N	ON	10.0

END OF TEST REPORT