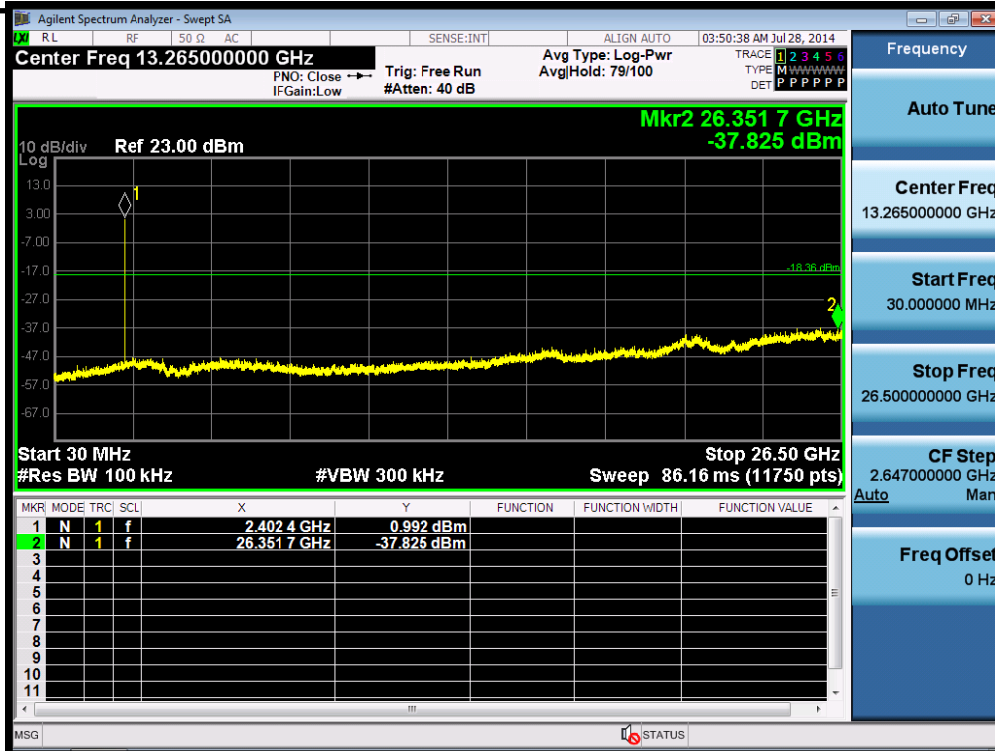
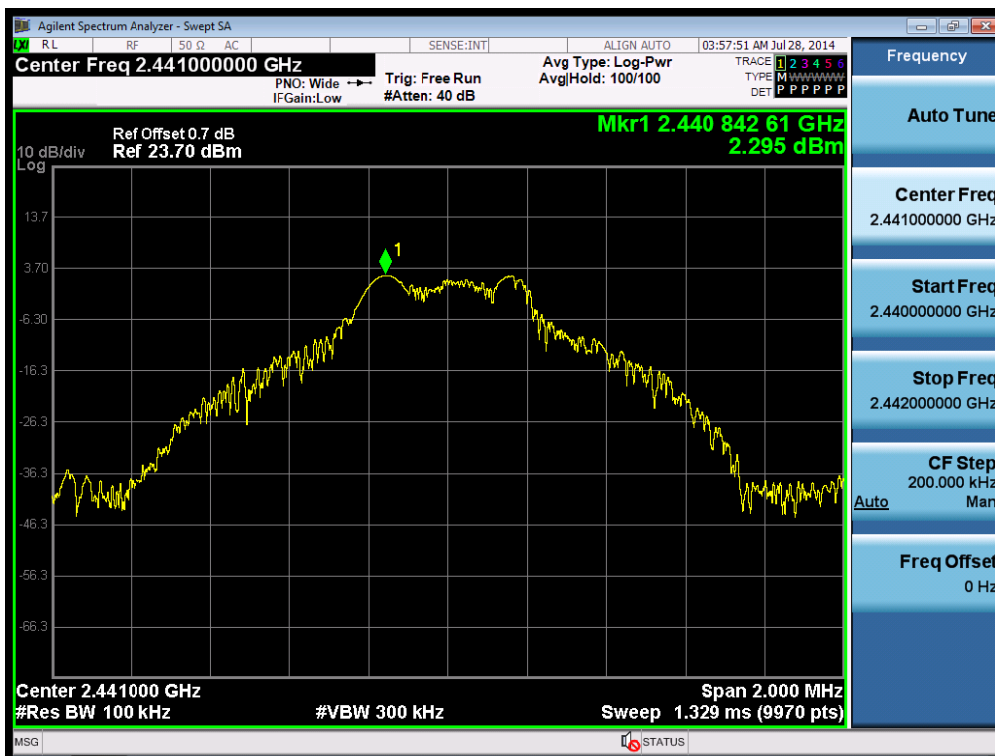


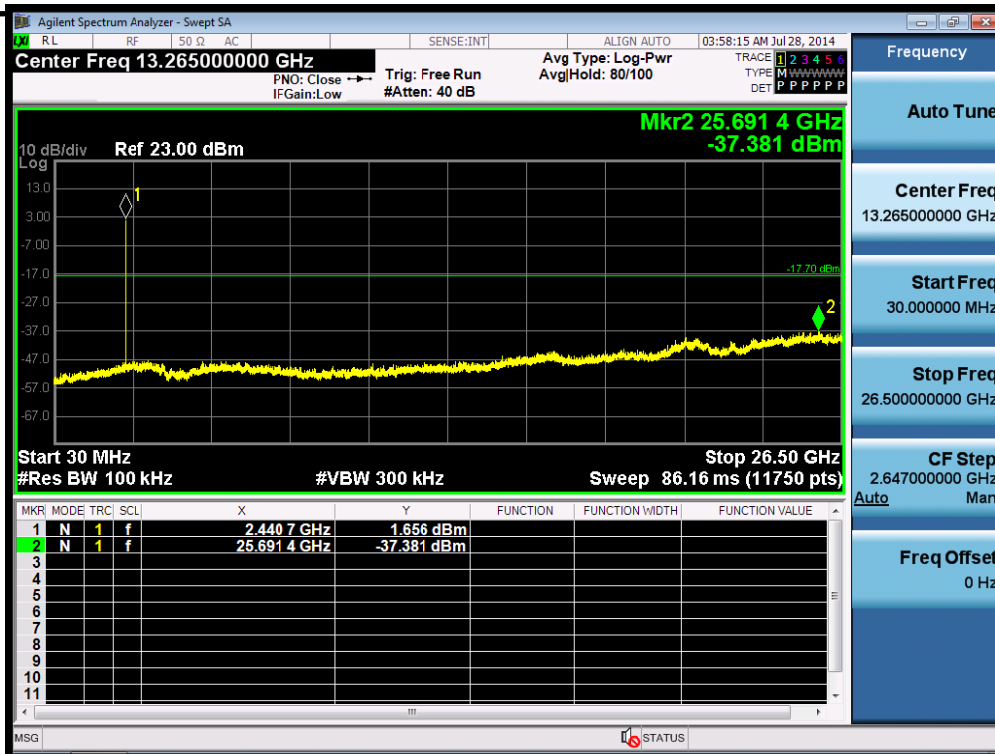


2.2. TM1-DH5-Ch39

Pref:

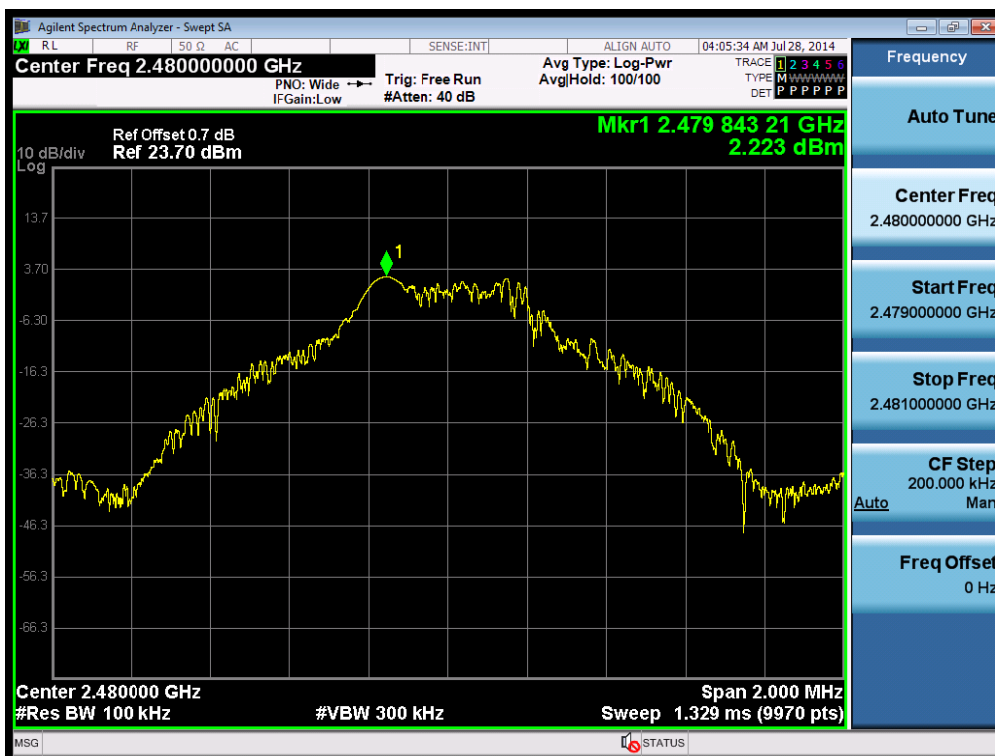


PUW:

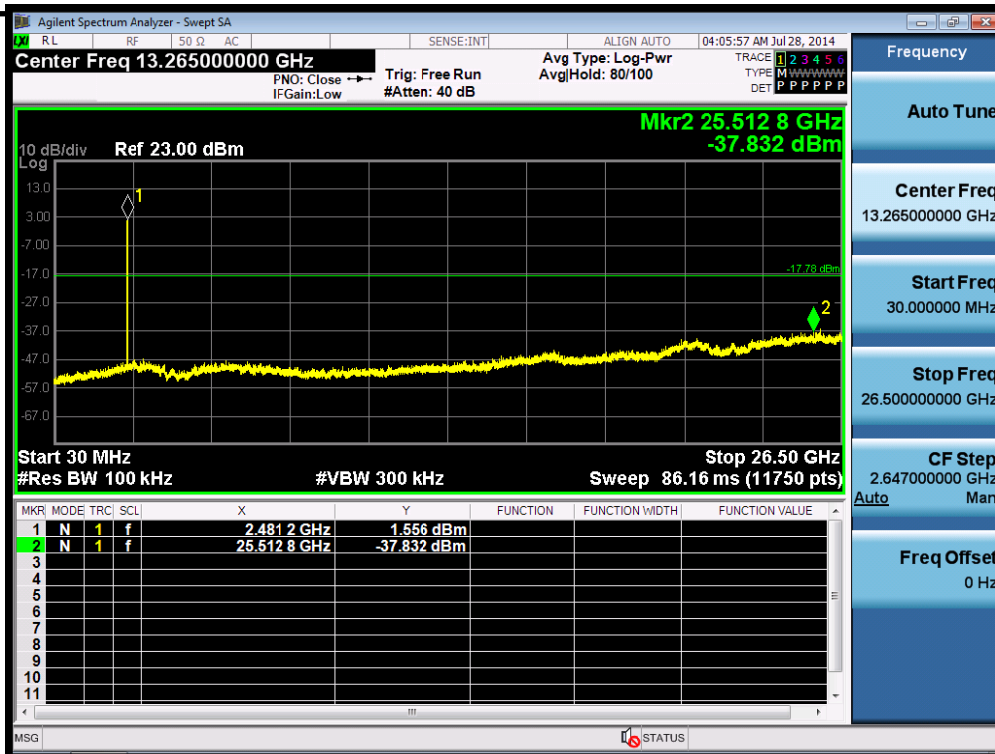


2.3. TM1-DH5-Ch78

Pref:



PUW:

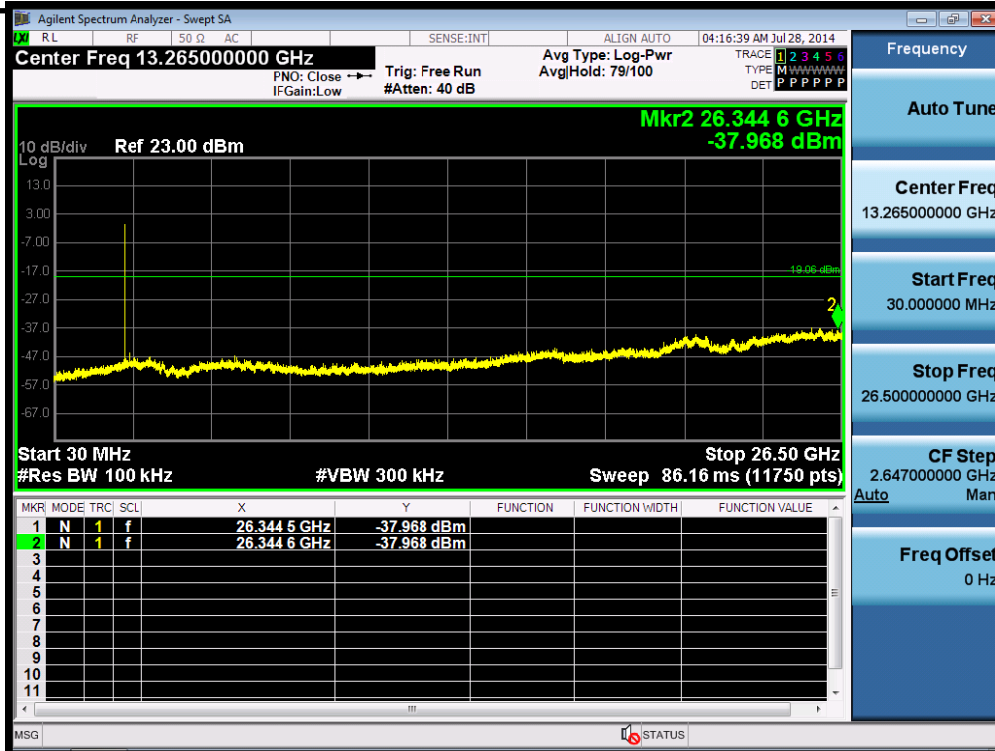


2.4. TM2-2DH5-Ch0

Pref:

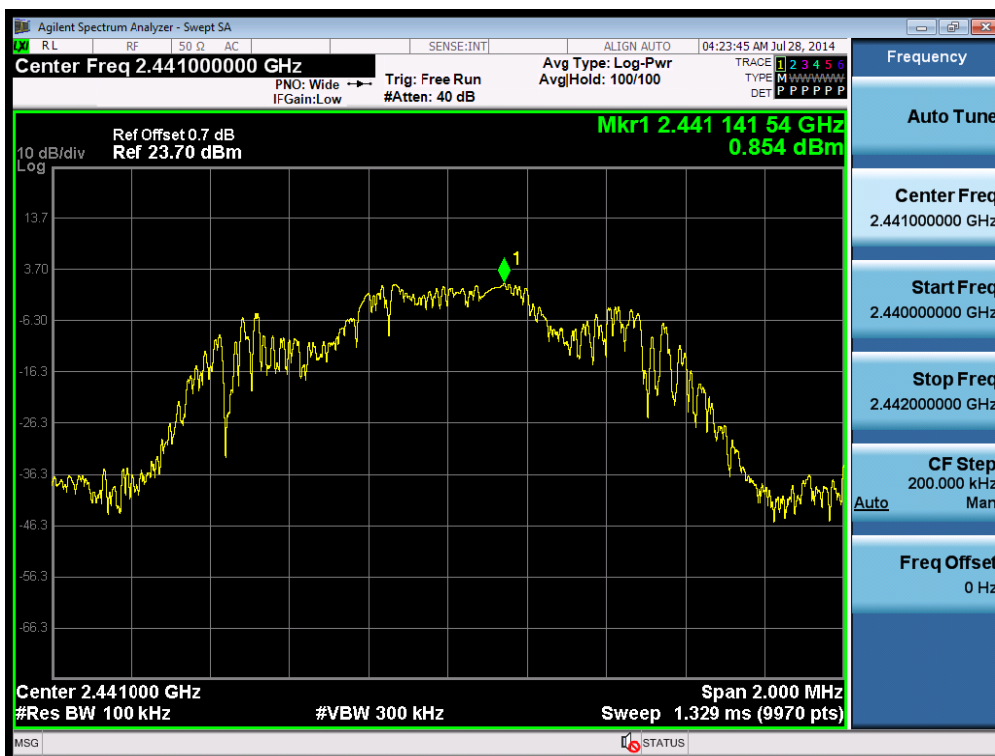


PUW:

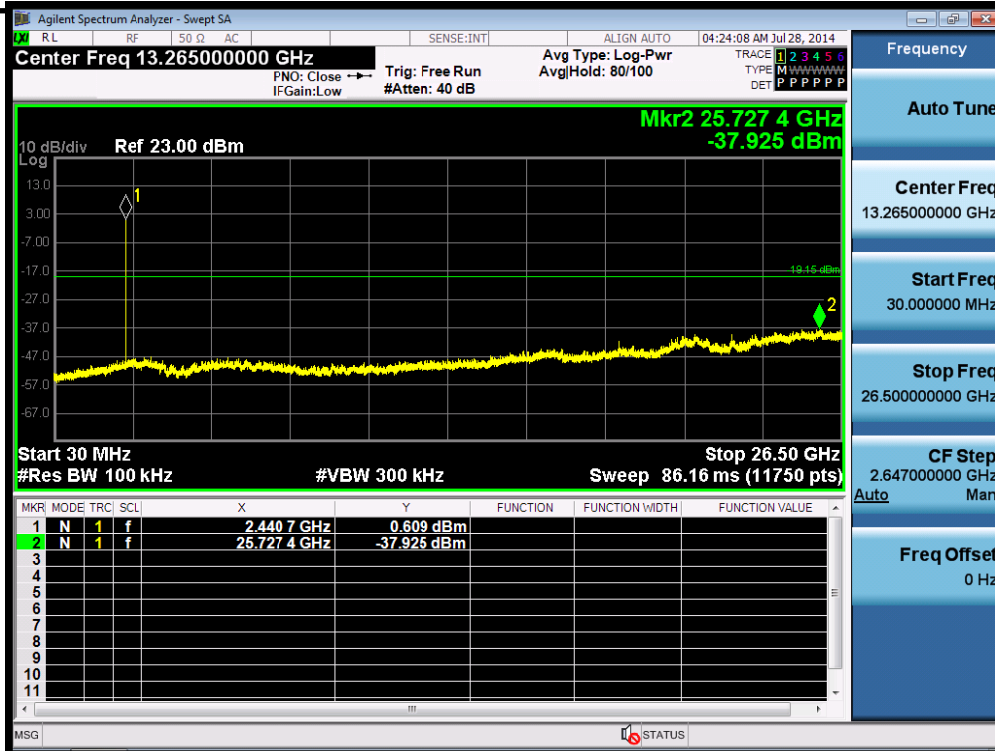


2.5. TM2-2DH5-Ch39

Pref:



PUW:

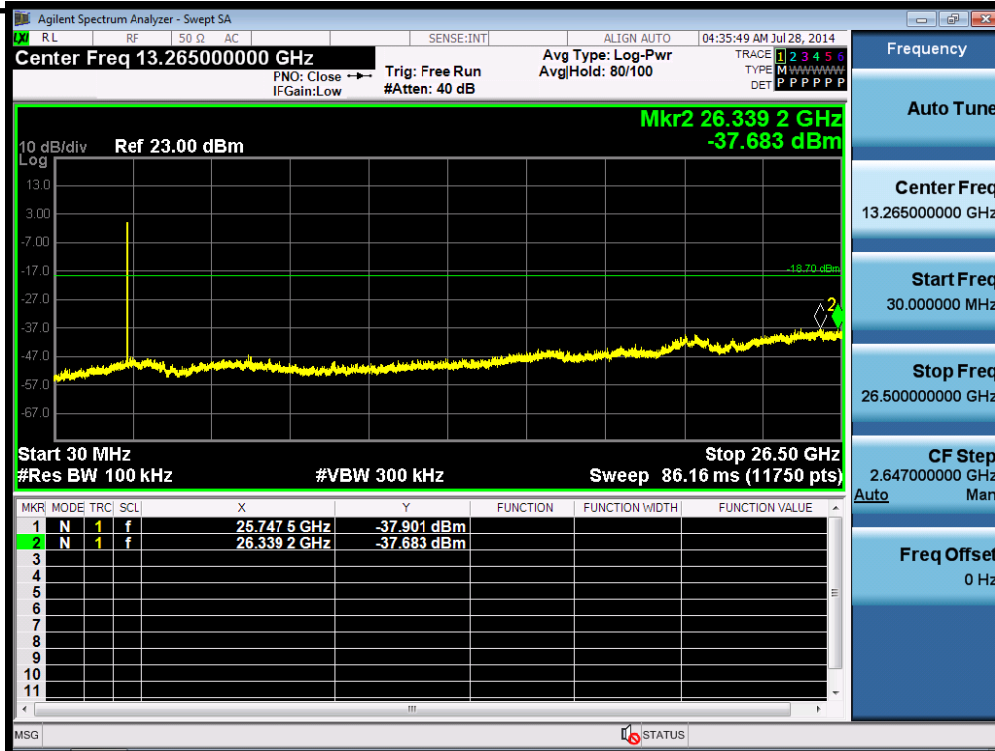


2.6. TM2-2DH5-Ch78

Pref:

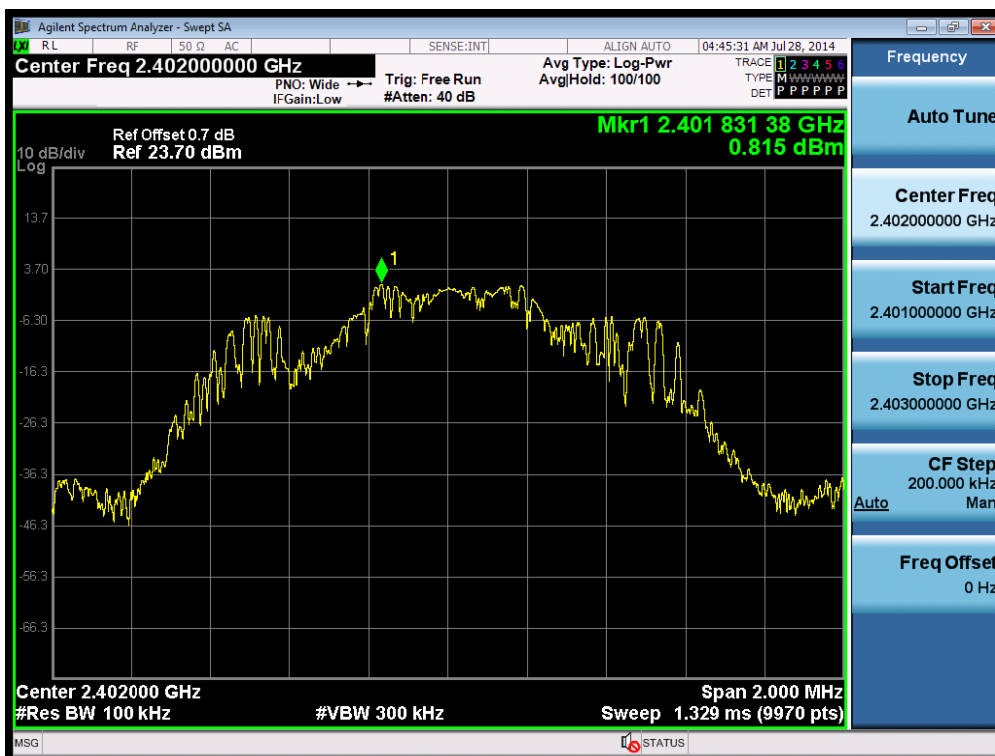


PUW:

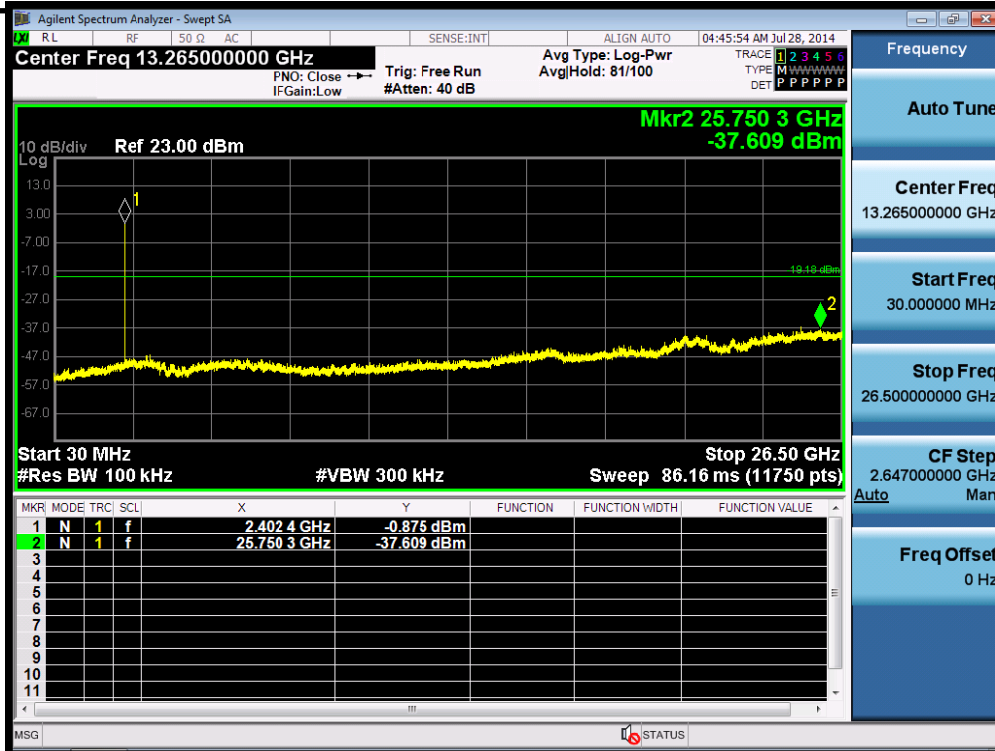


2.7. TM3-3DH5-Ch0

Pref:



PUW:

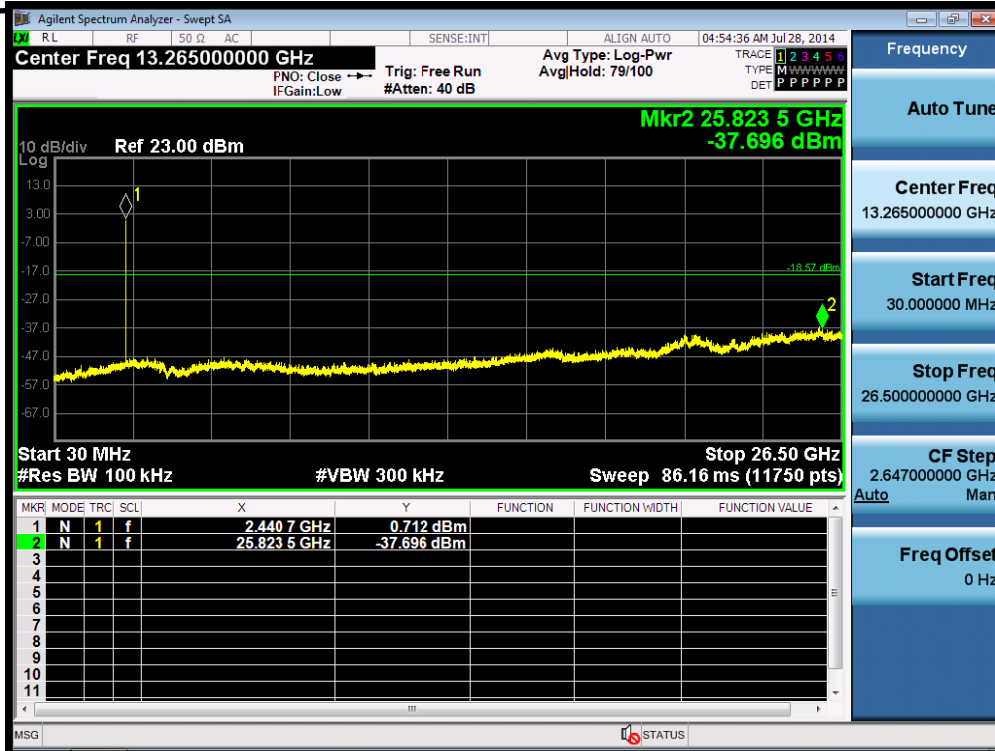


2.8. TM3-3DH5-Ch39

Pref:



PUW:



2.9. TM3-3DH5-Ch78

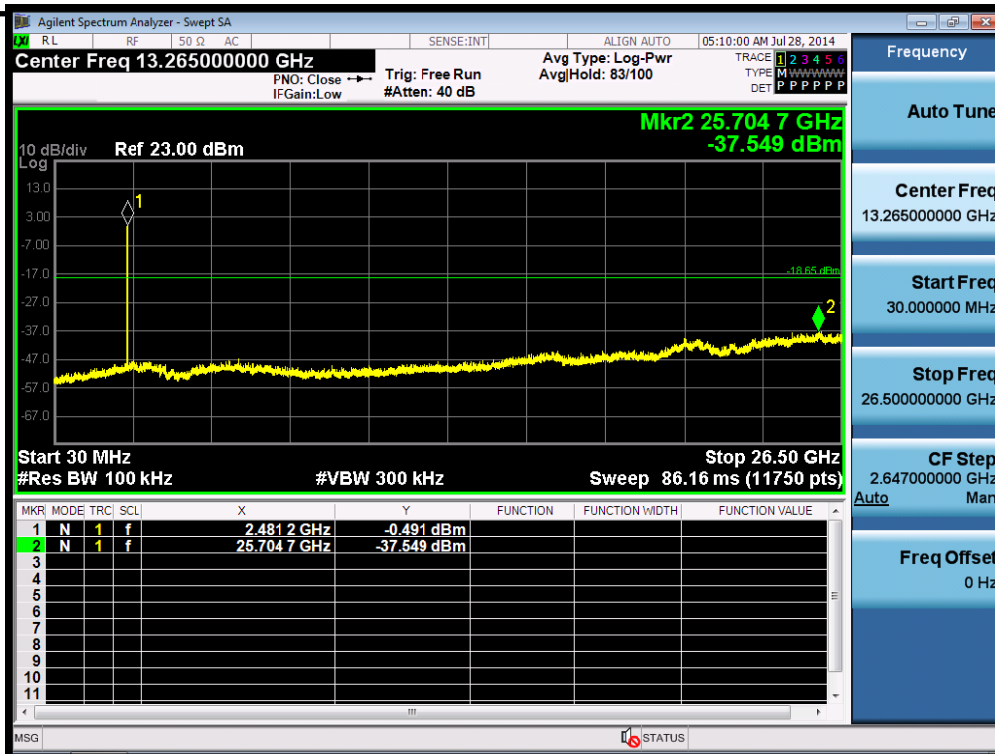
Pref:



PUW:



Report Number : 1408FR16





Appendix H: Radiated Emissions in the Restricted Bands

Part 1: Testing Range of "9kHz to 30MHz"

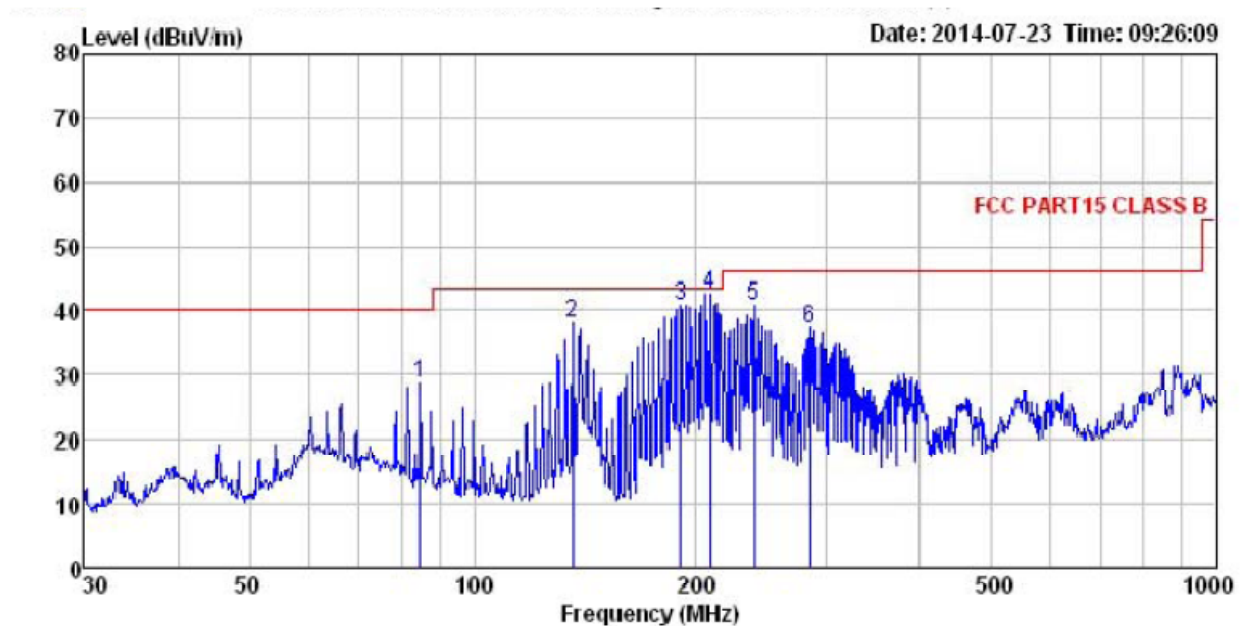
Note 1: The test for testing range of "9kHz to 30MHz" is measured with a loop antenna. This range will not be presented for each Test Mode and each Channel.

Note 2: The emissions in this range are mainly from background noise, so this report will not show the plot unless insistent emission (within 20dB down below the limit) is detected.

Part 2: Testing Range of "30MHz to 1GHz"

Note 1: The test results and plot for testing range of "30MHz to 1GHz" showed as below is the **WORST** case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.

30MHz~1GHz (Horizontal)

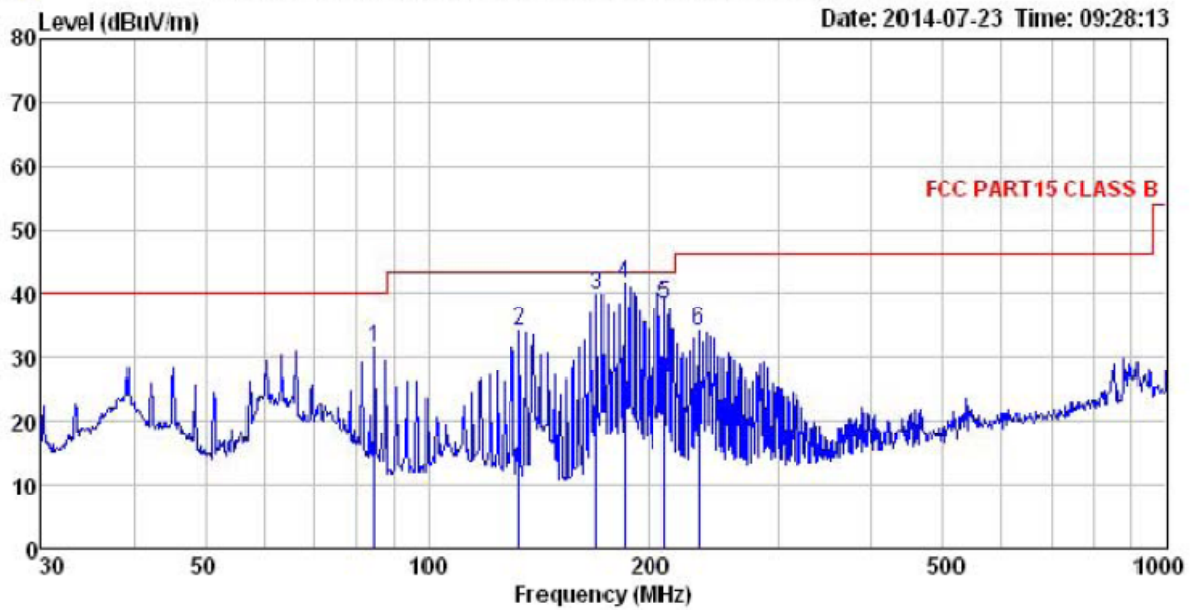


MEASUREMENT RESULT: QP Detector

	Freq	Read Antenna	Cable	Preamp	Level	Limit	Over	Remark
	MHz	Level	Factor	Loss	Factor	Line	Limit	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	84.702	47.08	10.16	0.88	29.60	28.52	40.00	-11.48
2	135.982	57.75	8.45	1.23	29.29	38.14	43.50	-5.36
3	190.405	57.59	10.56	1.37	28.90	40.62	43.50	-2.88
4	208.580	59.05	10.84	1.42	28.78	42.53	43.50	-0.97
5	239.147	55.66	12.04	1.57	28.60	40.67	46.00	-5.33
6	284.977	51.07	12.75	1.73	28.48	37.07	46.00	-8.93



30MHz~1GHz(Vertical)



MEASUREMENTRESULT:QPDetector

	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over	
	MHz	Level	Factor	Loss	Factor	Line	Limit	Remark
		dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	84.702	50.20	10.16	0.88	29.60	31.64	40.00	-8.36
2	133.151	53.81	8.67	1.21	29.31	34.38	43.50	-9.12
3	169.599	58.60	8.95	1.35	29.05	39.85	43.50	-3.65
4	184.490	59.25	10.08	1.36	28.94	41.75	43.50	-1.75
5	209.313	54.79	10.87	1.43	28.77	38.32	43.50	-5.18
6	233.349	49.70	11.78	1.54	28.63	34.39	46.00	-11.61



Part3:TestingRangeof“1 GHz to25GHz”

Note1:Thetestresultsandplotfortestingrangeof“1GHzto25GHz”showedasbelowisthe**WORST**caseforall**TestModes**.After pre-sacn the GFSK, $\pi/4$ -DQPSK,8DPSK modulation, we found the GFSK modulation is the worst case, and choose it to performed full test.

Note2: Two

limitsarerequiredinthetestingrangeabove1GHz,thatisPeaklimit(74dB μ V/m)andAverageLimit(54dB μ V/m).

Note 3: “--“means the emission of these frequencies are very lower than the limit and not show in this report. And, for other frequencies, if their emissions are not stronger than the background noise, they will not recorded in this report also.

Above 1GHz (Horizontal)

Low channel

Frequency (MHz)	Corr.Amp. (dB μ V/m)	Detector (PK/Ave.)	Corr. (dB)	Limit (dB μ V/m)	Margin (dB)
4804	44.58	PK	0.19	74.0	29.42
7206	--	PK	--	74.0	--
9608	--	PK	--	74.0	--
4804	33.59	Ave.	0.19	54.0	20.41
7206	--	Ave.	--	54.0	--
9608	--	Ave.	--	54.0	--

Middle channel

Frequency (MHz)	Corr.Amp. (dB μ V/m)	Detector (PK/Ave.)	Corr. (dB)	Limit (dB μ V/m)	Margin (dB)
4882	46.10	PK	0.41	74.0	27.9
7323	--	PK	--	74.0	--
9764	--	PK	--	74.0	--
4882	34.27	Ave.	0.41	54.0	19.73
7323	--	Ave.	--	54.0	--
9764	--	Ave.	--	54.0	--

High channel

Frequency (MHz)	Corr.Amp. (dB μ V/m)	Detector (PK/Ave.)	Corr. (dB)	Limit (dB μ V/m)	Margin (dB)
4960	46.26	PK	0.74	74.0	27.74
7440	--	PK	--	74.0	--
9920	--	PK	--	74.0	--
4960	33.96	Ave.	0.74	54.0	20.04
7440	--	Ave.	--	54.0	--
9920	--	Ave.	--	54.0	--



Above 1GHz (Vertical)

Low channel

Frequency (MHz)	Corr.Amp. (dBμV/m)	Detector (PK/Ave.)	Corr. (dB)	Limit (dBμV/m)	Margin (dB)
4804	46.89	PK	0.19	74.0	27.11
7206	--	PK	--	74.0	--
9608	--	PK	--	74.0	--
4804	37.34	Ave.	0.19	54.0	16.66
7206	--	Ave.	--	54.0	--
9608	--	Ave.	--	54.0	--

Low channel

Frequency (MHz)	Corr.Amp. (dBμV/m)	Detector (PK/Ave.)	Corr. (dB)	Limit (dBμV/m)	Margin (dB)
4882	47.56	PK	0.41	74.0	26.44
7323	--	PK	--	74.0	--
9764	--	PK	--	74.0	--
4882	36.77	Ave.	0.41	54.0	17.23
7323	--	Ave.	--	54.0	--
9764	--	Ave.	--	54.0	--

Low channel

Frequency (MHz)	Corr.Amp. (dBμV/m)	Detector (PK/Ave.)	Corr. (dB)	Limit (dBμV/m)	Margin (dB)
4960	45.98	PK	0.74	74.0	28.02
7440	--	PK	--	74.0	--
9920	--	PK	--	74.0	--
4960	36.45	Ave.	0.74	54.0	17.55
7440	--	Ave.	--	54.0	--
9920	--	Ave.	--	54.0	--

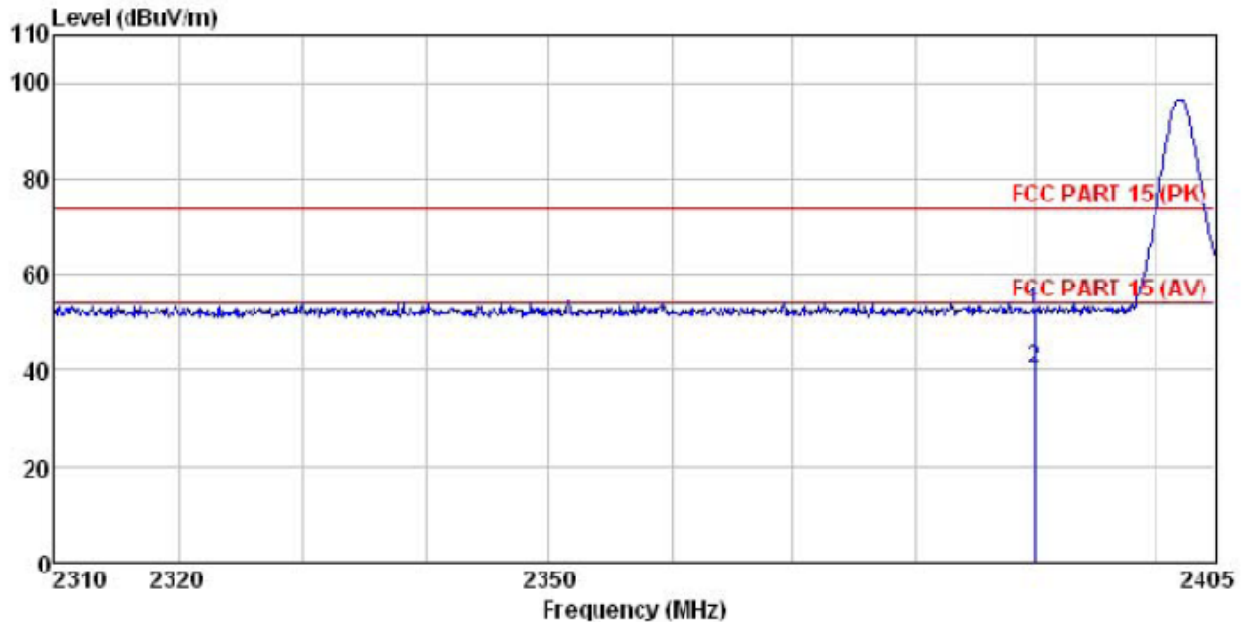
Part4: Radiated Bandedge spurious semission

Note1: After pre-sacn the GFSK, $\pi/4$ -DQPSK, 8DPSK modulation, we found the GFSK modulation is the worst case, and choose it to performed full test.

Note2: Two

limits are required in the testing range above 1 GHz, that is Peak limit (74 dB μ V/m) and Average Limit (54 dB μ V/m).

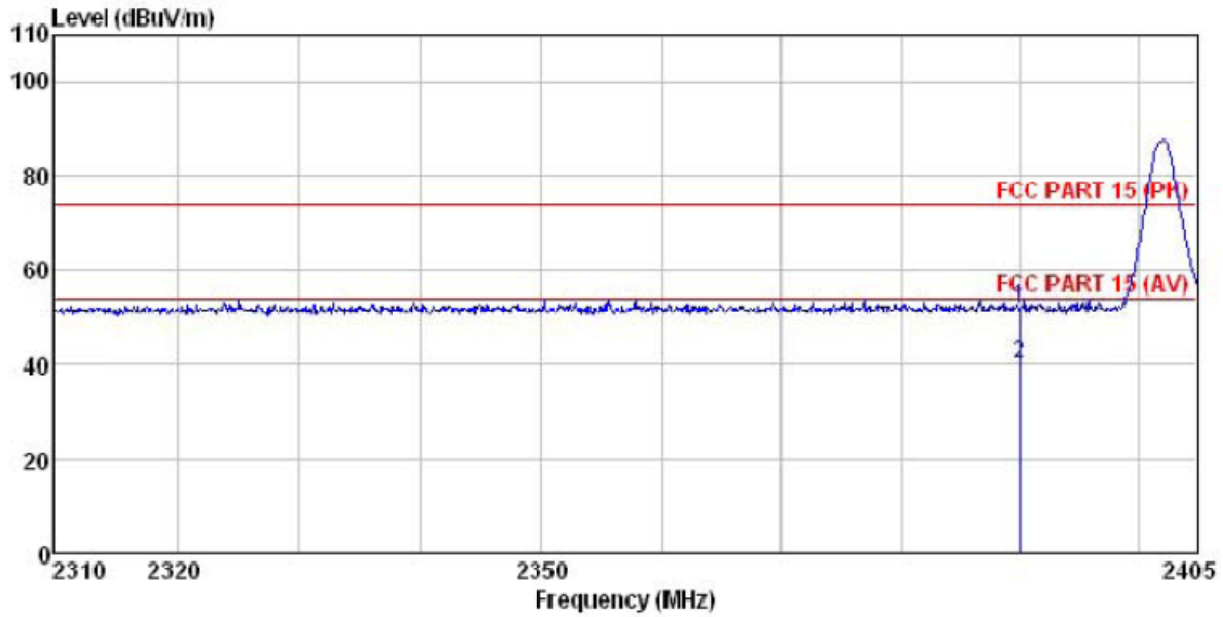
Low Channel Horizontal



	Freq	ReadAntenna Level Factor	Cable Loss	Preamplifier Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2390.000	19.20	27.58	5.67	0.00	52.45	74.00	-21.55
2	2390.000	6.95	27.58	5.67	0.00	40.20	54.00	-13.80

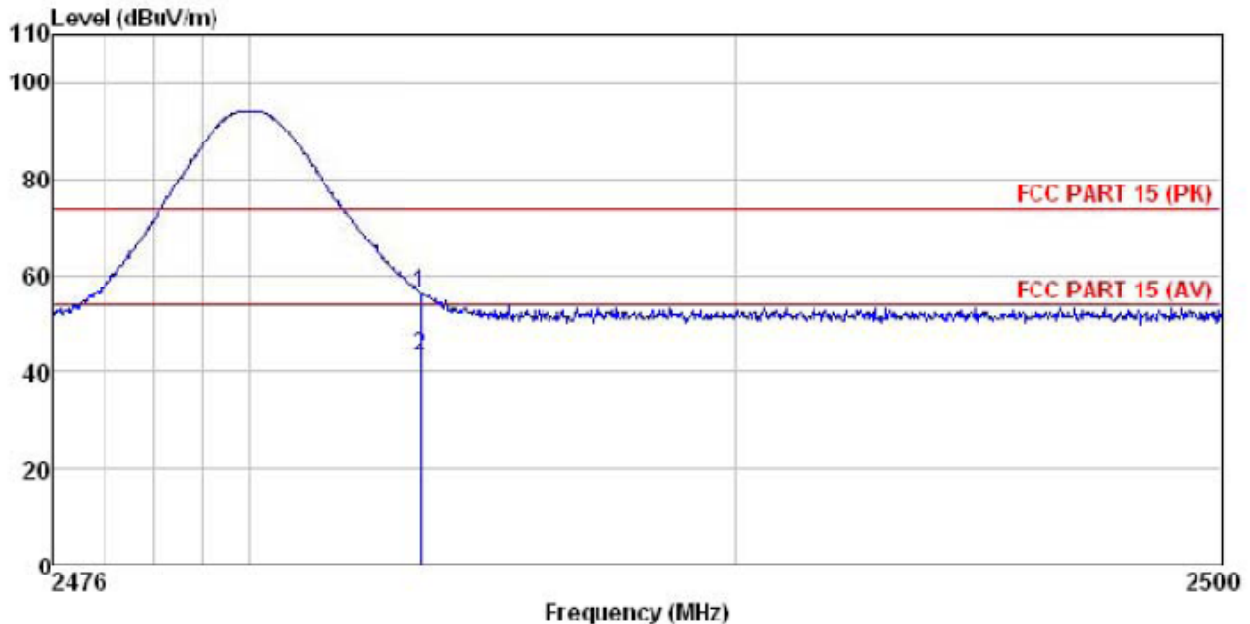


Low Channel Vertical



	Freq	ReadAntenna Level	Cable Factor	Preamp Loss	Level	Limit	Over	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2390.000	18.59	27.58	5.67	0.00	51.84	74.00	-22.16 Peak
2	2390.000	7.02	27.58	5.67	0.00	40.27	54.00	-13.73 Average

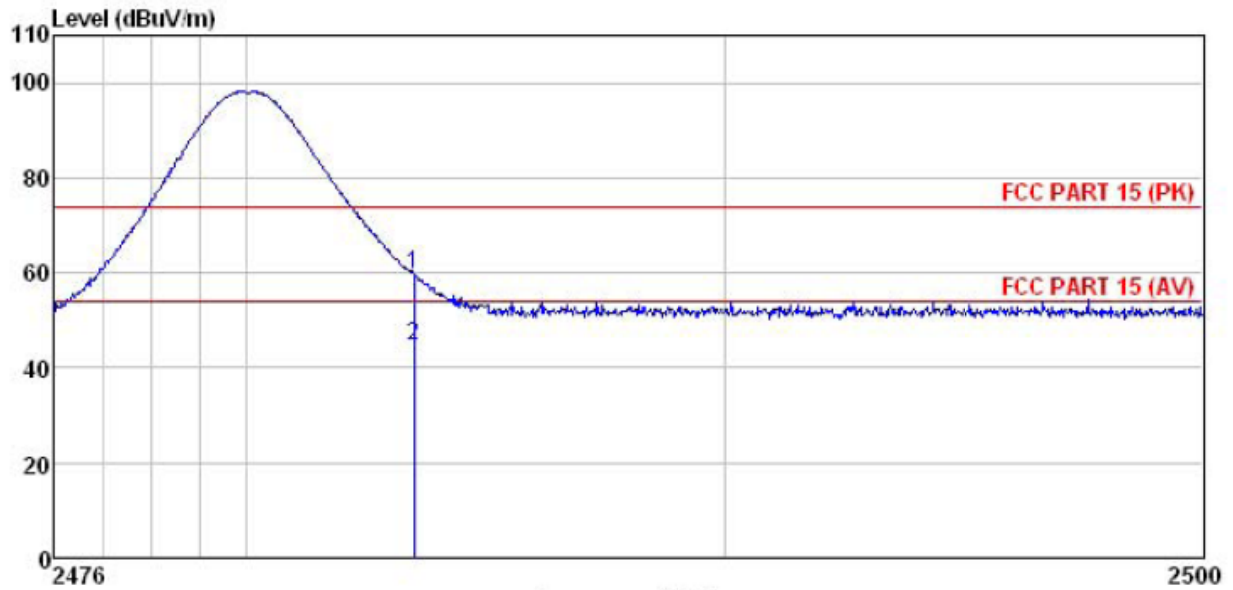
High Channel Horizontal



	Freq	ReadAntenna Level	Cable Factor	Preamp Loss	Level	Limit	Over	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2483.500	23.35	27.52	5.70	0.00	56.57	74.00	-17.43 Peak
2	2483.500	10.23	27.52	5.70	0.00	43.45	54.00	-10.55 Average



High Channel Vertical



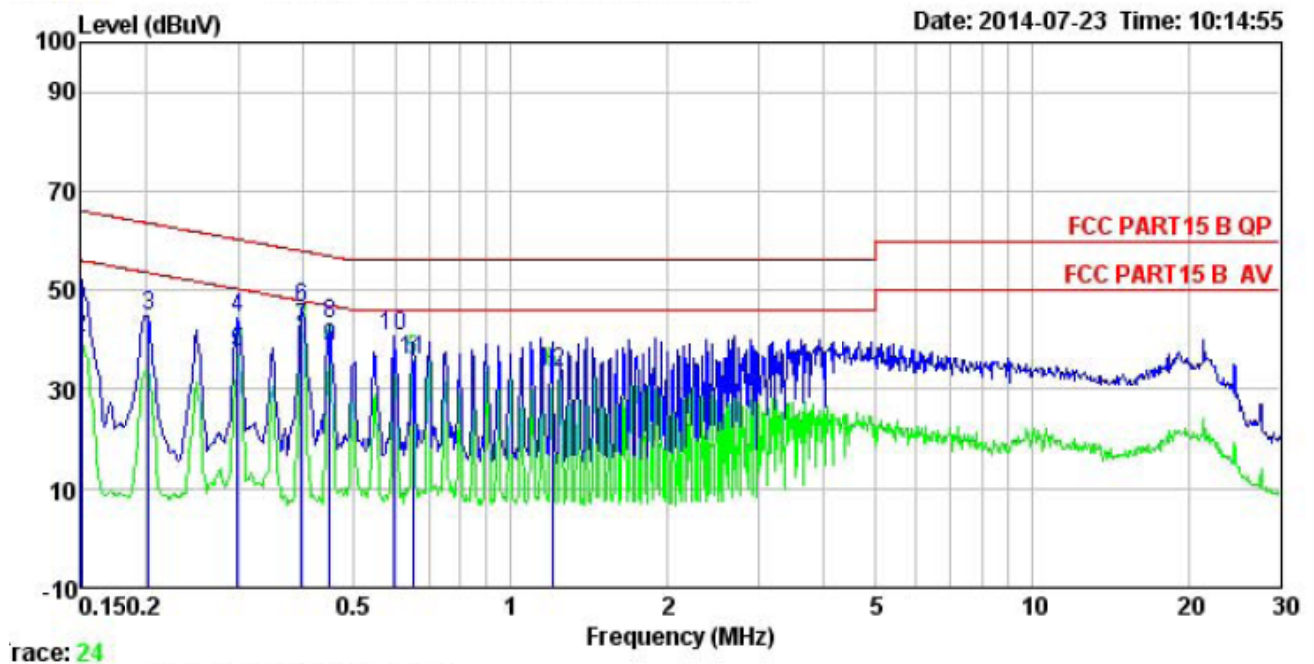
Frequency (MHz)									
	ReadAntenna	Cable Preamp			Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark	
-----	-----	-----	-----	-----	-----	-----	-----	-----	
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	2483.511	26.55	27.52	5.70	0.00	59.77	74.00	-14.23	Peak
2	2483.511	11.32	27.52	5.70	0.00	44.54	54.00	-9.46	Average



Appendix I: AC Power Line Conducted Emissions

Channel 39

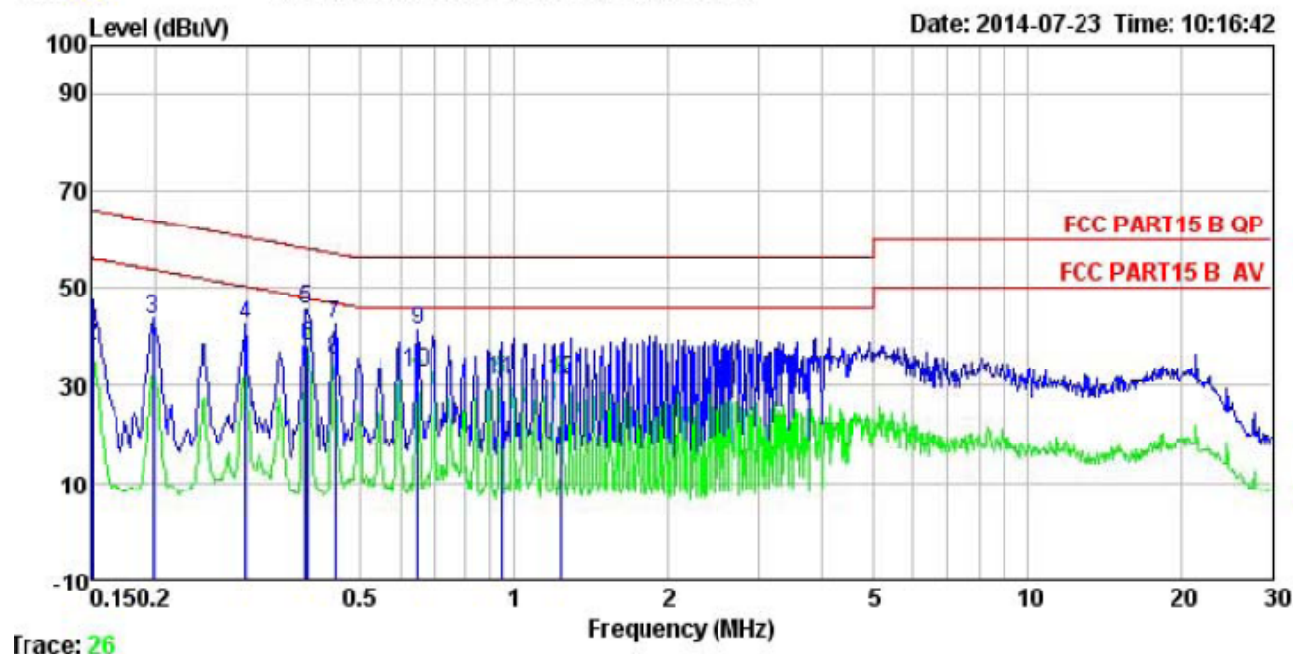
Line



	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.150	41.24	0.25	10.78	52.27	66.00	-13.73	Peak
2	0.150	29.25	0.25	10.78	40.28	56.00	-15.72	Average
3	0.202	33.62	0.25	10.76	44.63	63.54	-18.91	Peak
4	0.299	33.21	0.26	10.74	44.21	60.28	-16.07	Peak
5	0.299	26.68	0.26	10.74	37.68	50.28	-12.60	Average
6	0.398	35.31	0.25	10.72	46.28	57.90	-11.62	Peak
7	0.398	31.32	0.25	10.72	42.29	47.90	-5.61	Average
8	0.449	32.25	0.27	10.74	43.26	56.89	-13.63	Peak
9	0.449	27.25	0.27	10.74	38.26	46.89	-8.63	Average
10	0.598	29.57	0.23	10.77	40.57	56.00	-15.43	Peak
11	0.651	24.71	0.20	10.77	35.68	46.00	-10.32	Average
12	1.197	22.34	0.24	10.89	33.47	46.00	-12.53	Average



Neutral



	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.150	36.66	0.27	10.78	47.71	66.00	-18.29	Peak
2	0.150	26.78	0.27	10.78	37.83	56.00	-18.17	Average
3	0.198	32.37	0.28	10.76	43.41	63.71	-20.30	Peak
4	0.299	31.52	0.26	10.74	42.52	60.28	-17.76	Peak
5	0.393	34.56	0.28	10.72	45.56	57.99	-12.43	Peak
6	0.398	26.73	0.28	10.72	37.73	47.90	-10.17	Average
7	0.447	31.32	0.28	10.74	42.34	56.93	-14.59	Peak
8	0.447	24.08	0.28	10.74	35.10	46.93	-11.83	Average
9	0.647	30.00	0.24	10.77	41.01	56.00	-14.99	Peak
10	0.647	21.73	0.24	10.77	32.74	46.00	-13.26	Average
11	0.943	19.81	0.24	10.85	30.90	46.00	-15.10	Average
12	1.236	19.67	0.25	10.90	30.82	46.00	-15.18	Average

End of Report