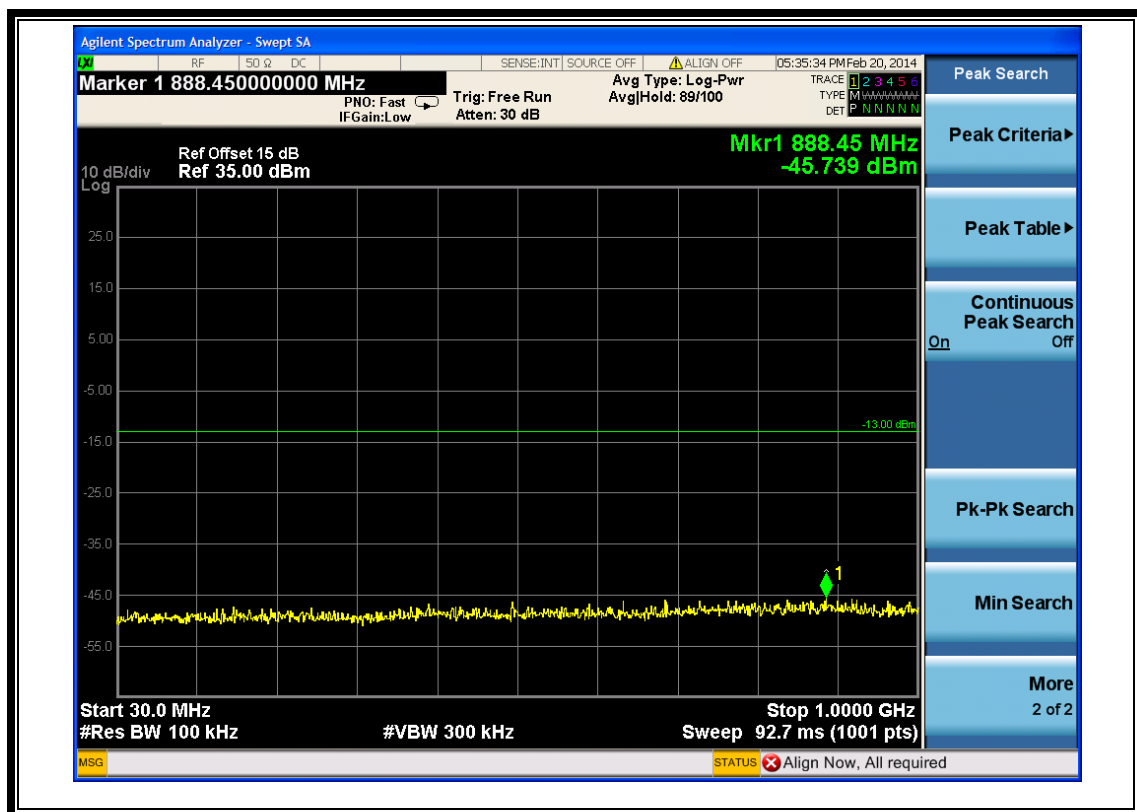
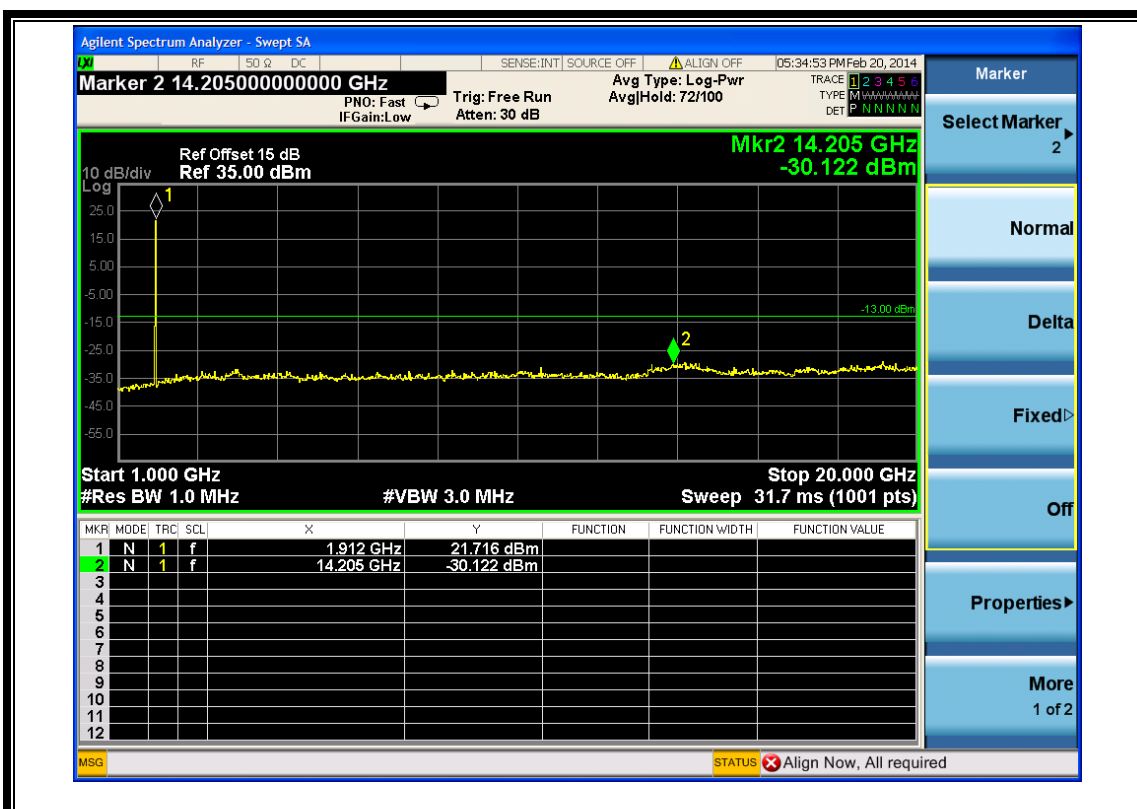
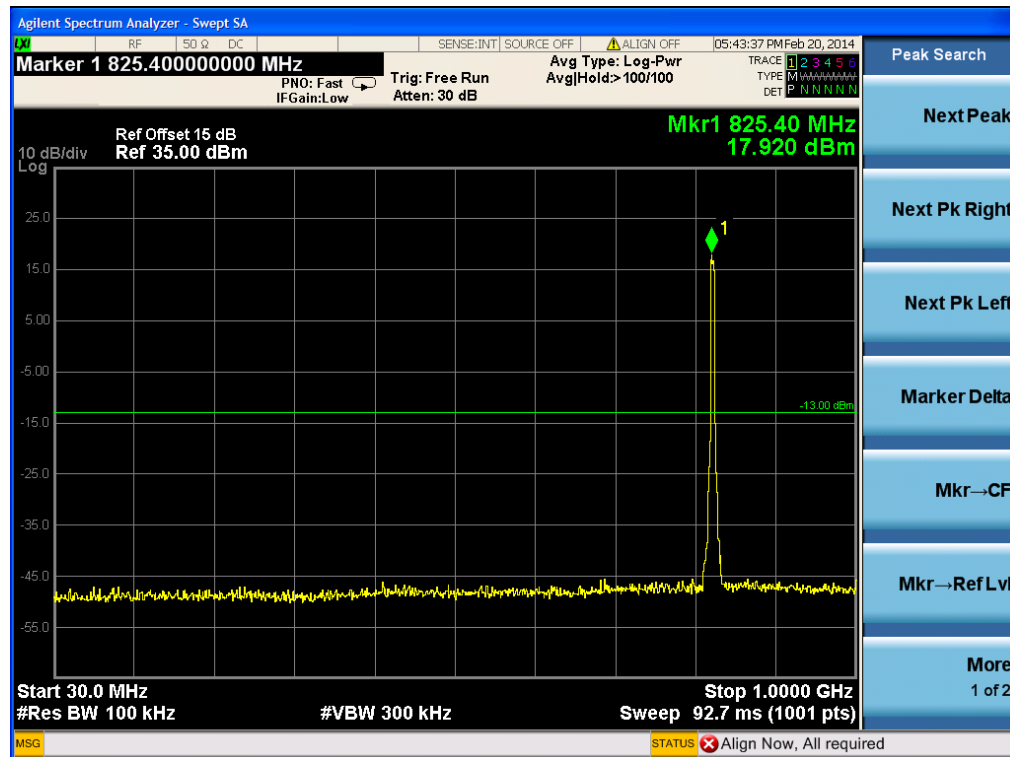




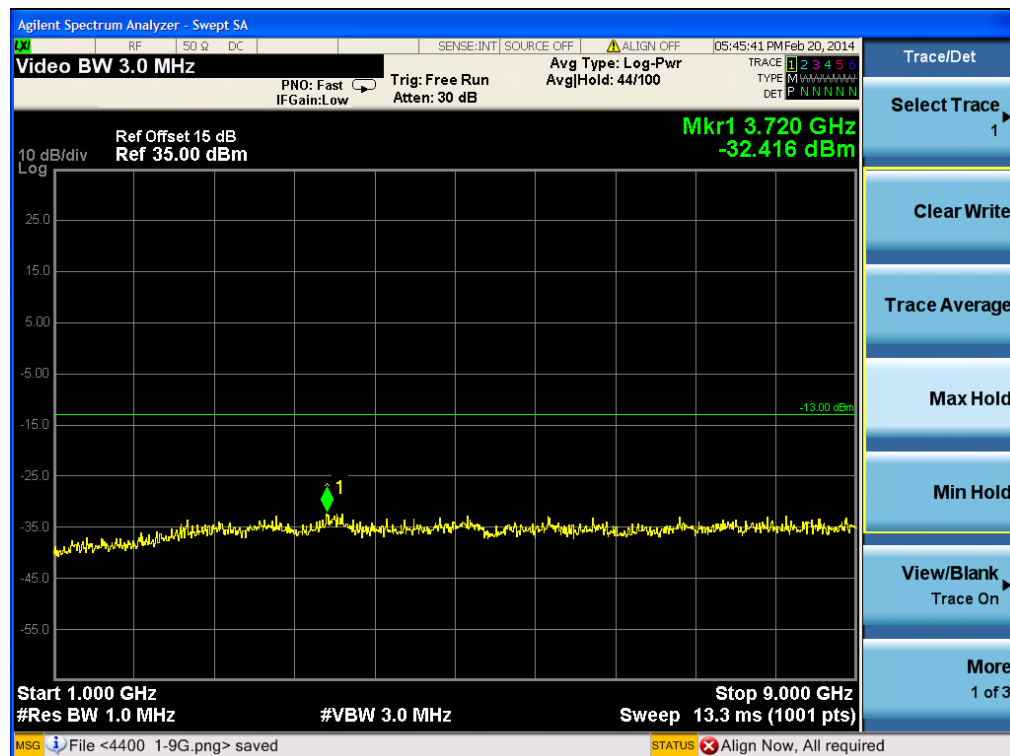
(Plot H3: HSDPA1900MHz Channel = 9538, 30MHz to 1GHz)



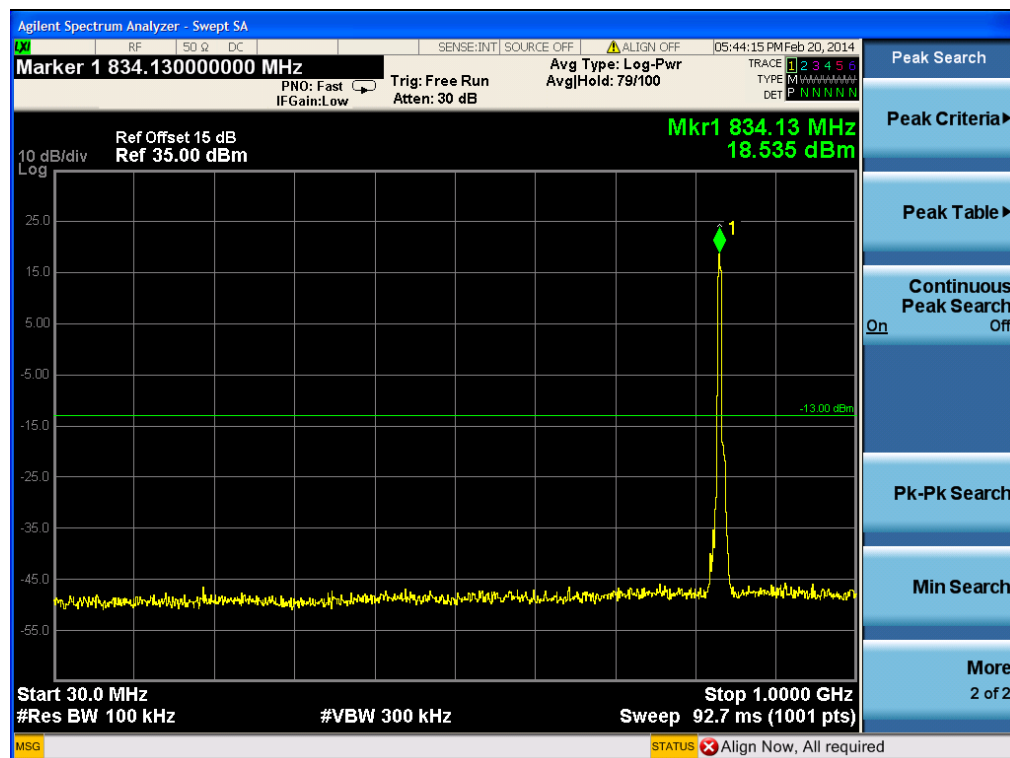
(Plot H3.1: HSDPA1900MHz Channel = 9538 1GHz to 20GHz)



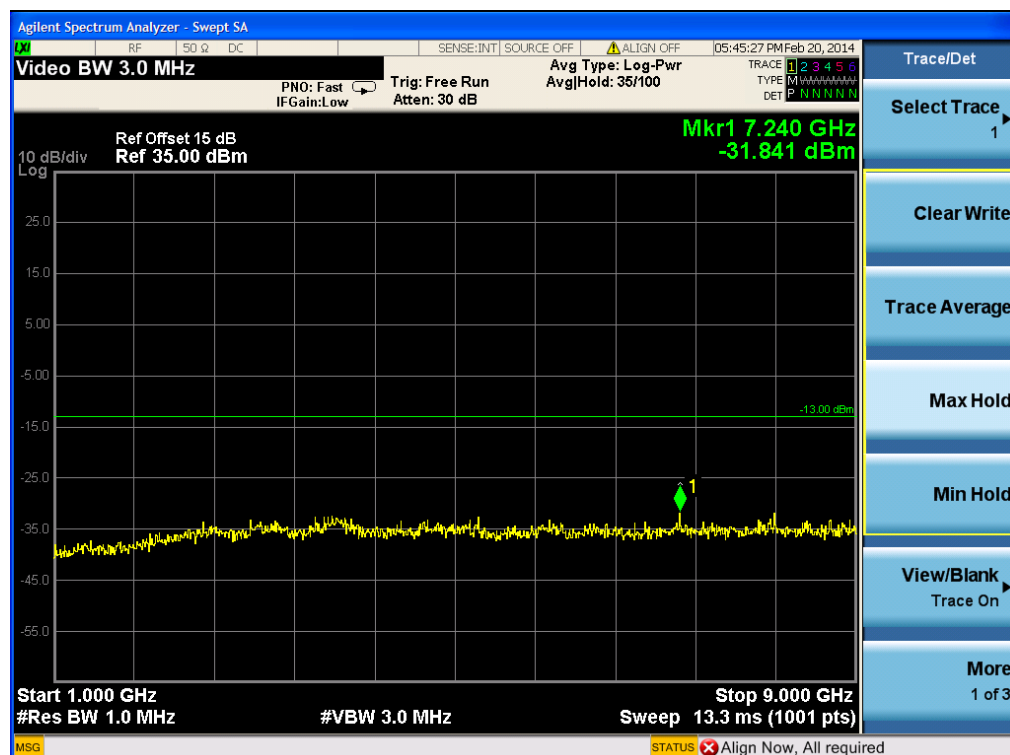
(Plot I 1: HSUPA 850MHz Channel = 4132, 30MHz to 1GHz)



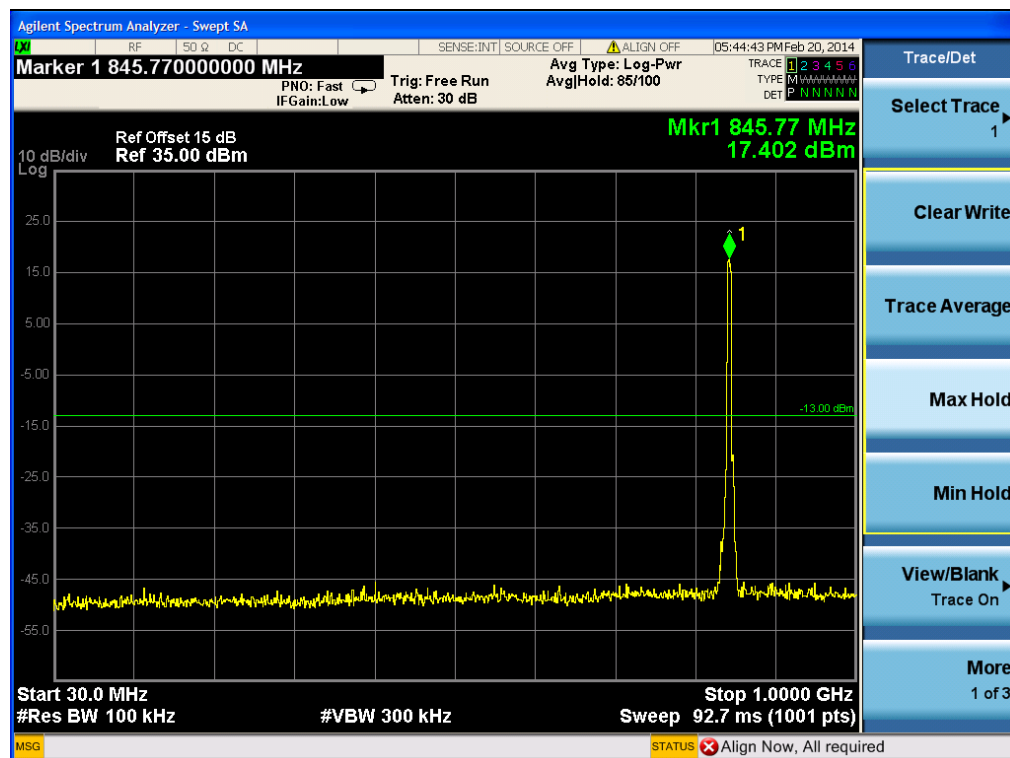
(Plot II.1: HSUPA 850MHz Channel = 4132, 1GHz to 9GHz)



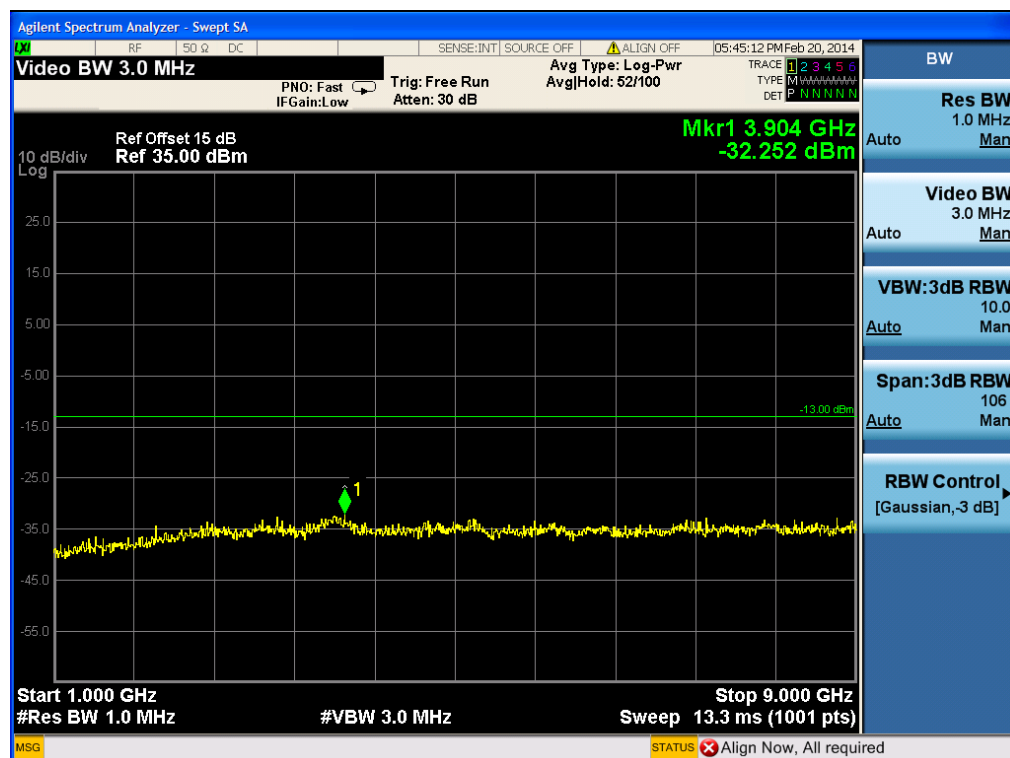
(Plot I 2: HSUPA 850MHz Channel = 4175, 30MHz to 1GHz)



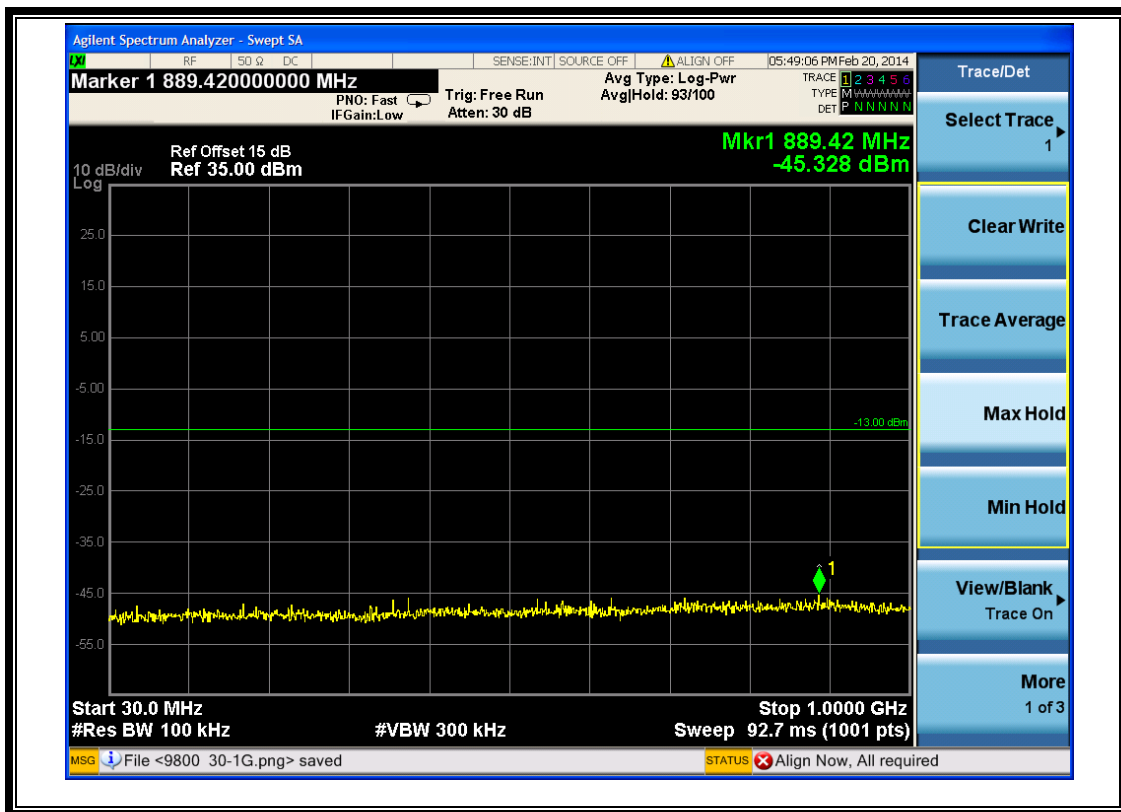
(Plot I2.1: HSUPA 850MHz Channel = 4175, 1GHz to 9GHz)



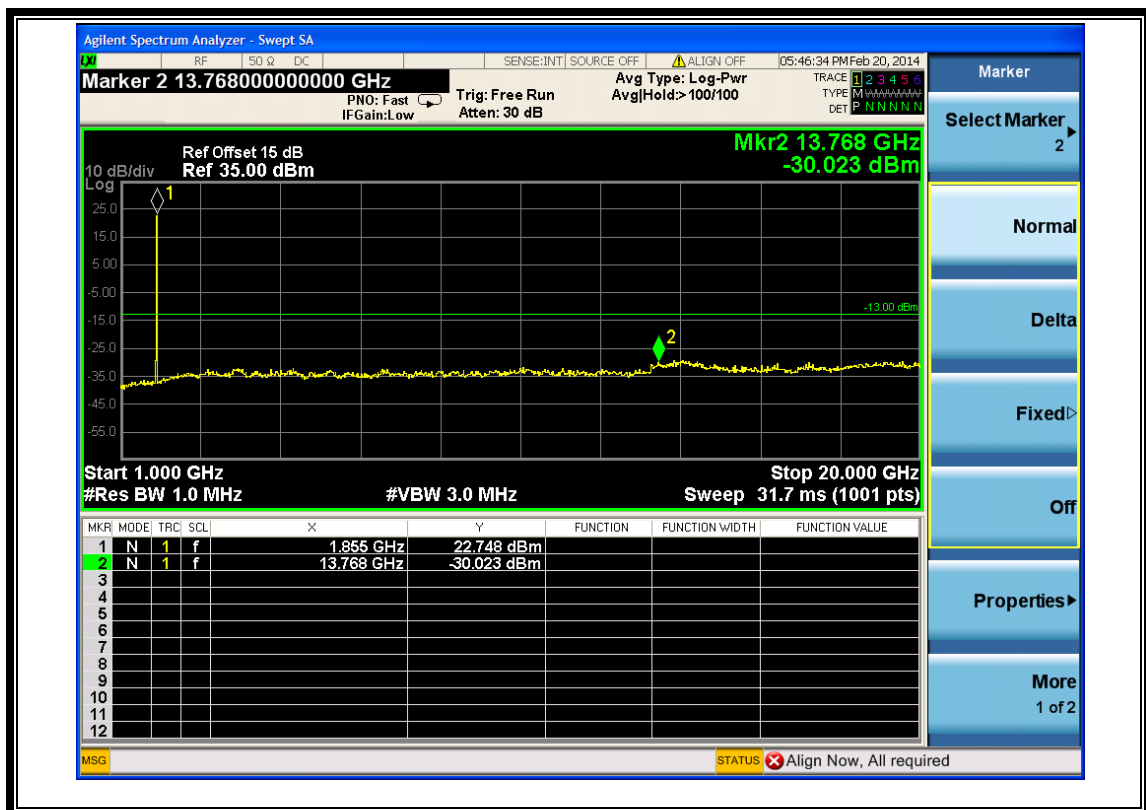
(Plot I 3: HSUPA850MHz Channel = 4233, 30MHz to 1GHz)



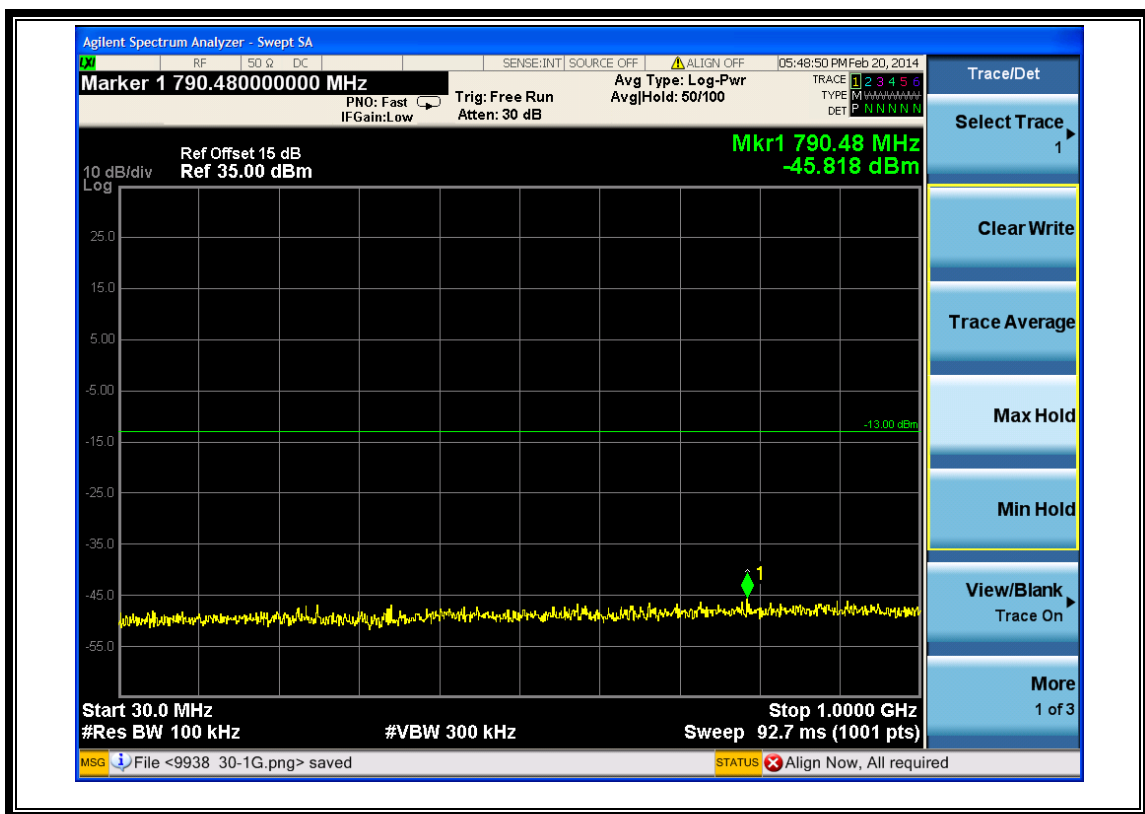
(Plot I3.1: HSUPA850MHz Channel = 4233, 1 GHz to 9GHz)



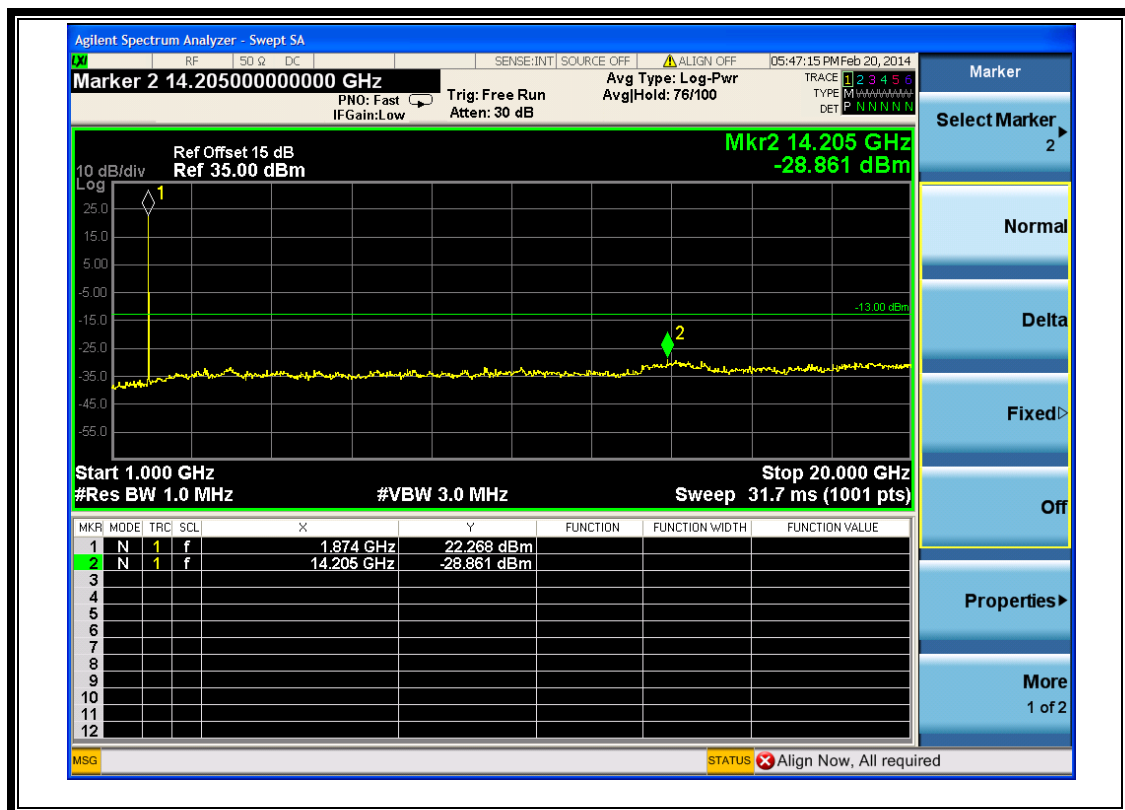
(Plot J1: HSUPA1900MHz Channel = 9262, 30MHz to 1GHz)



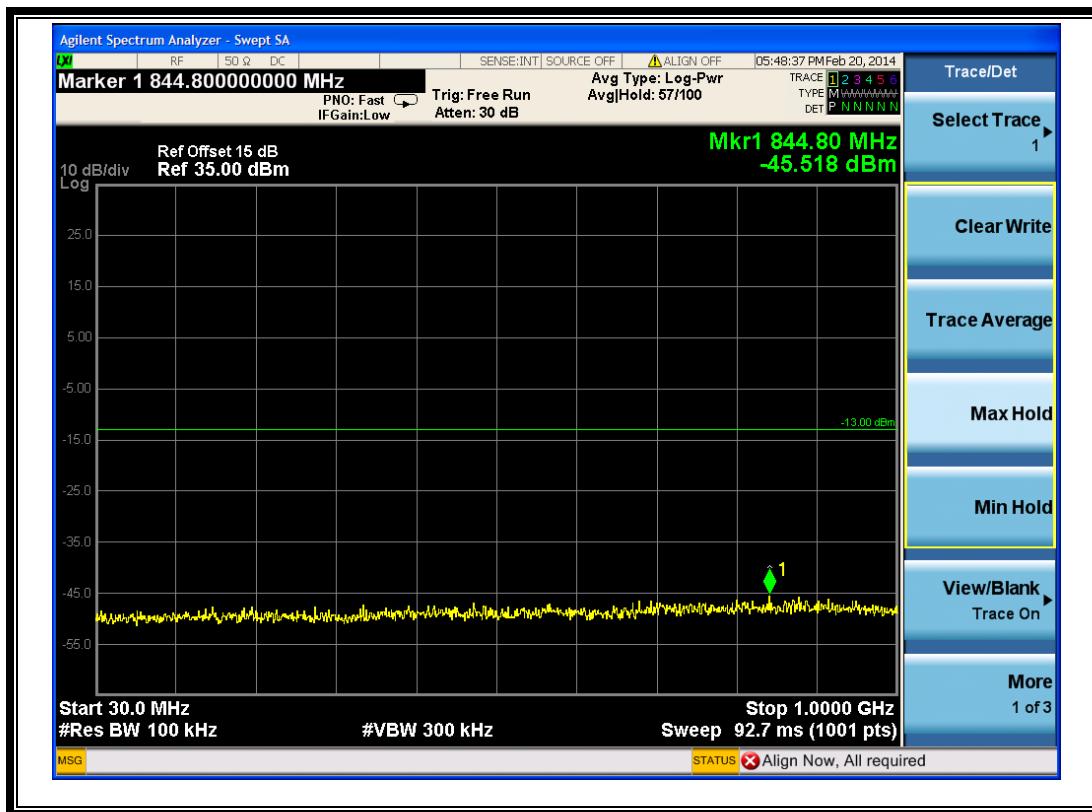
(Plot J1.1: HSUPA1900MHz Channel = 9262, 1GHz to 20GHz)



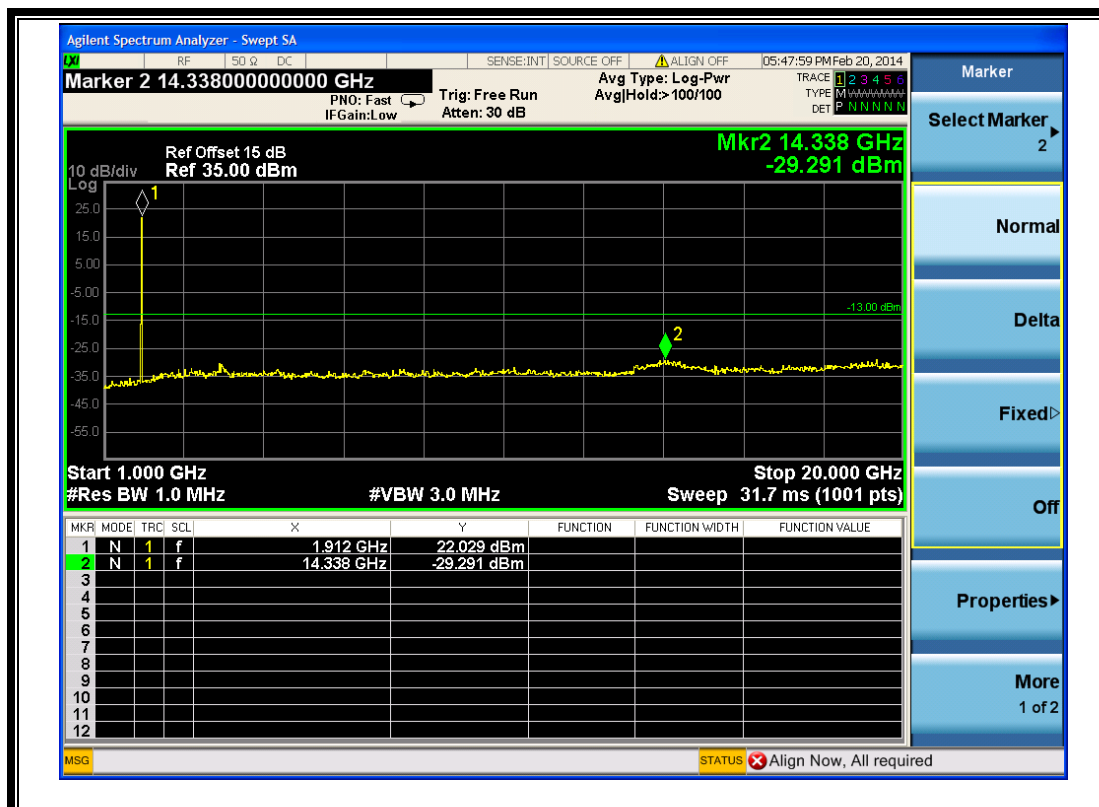
(Plot J2: HSUPA1900MHz Channel = 9400, 30MHz to 1GHz)



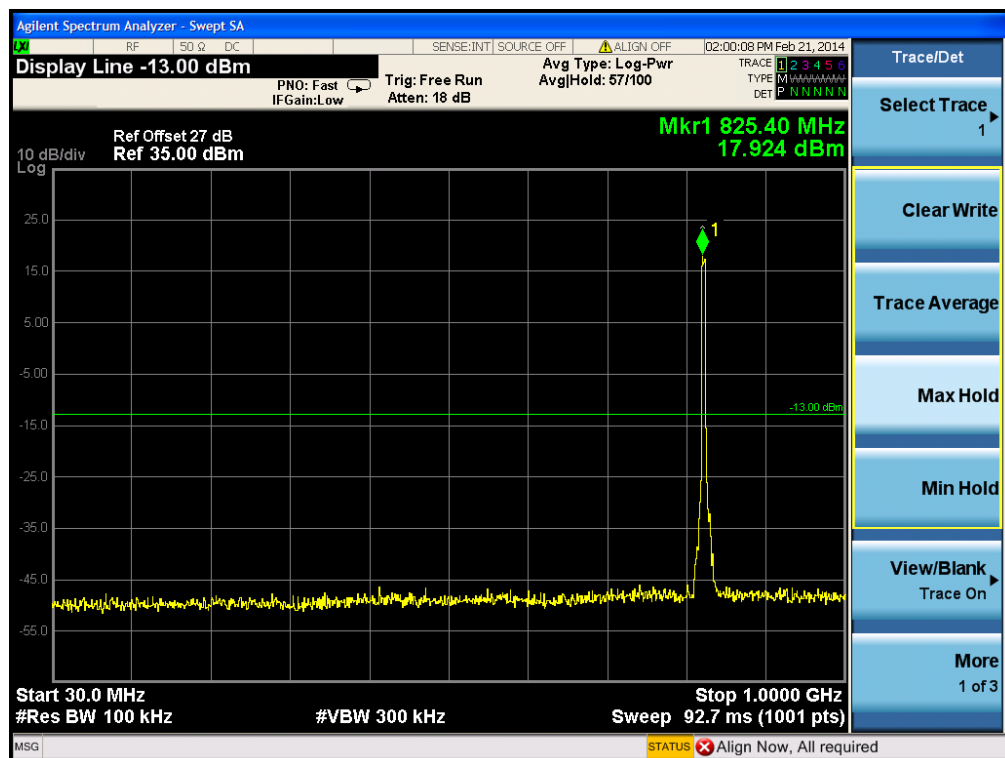
(Plot J2.1: HSUPA1900MHz Channel = 9400, 1GHz to 20GHz)



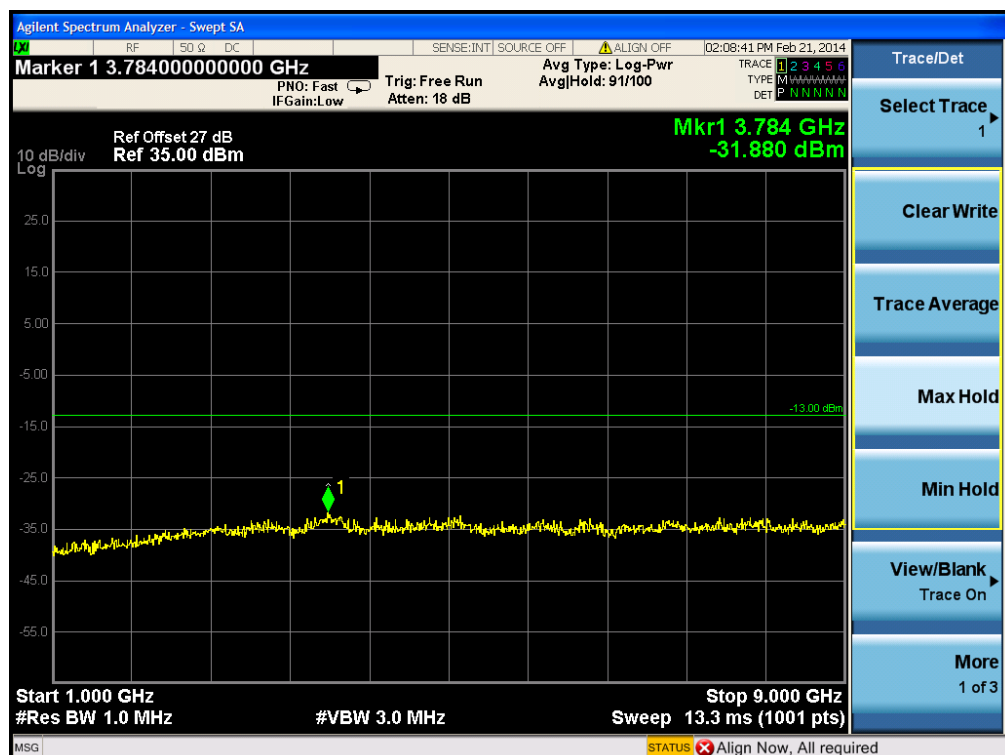
(Plot J3: HSUPA1900MHz Channel = 9538, 30MHz to 1GHz)



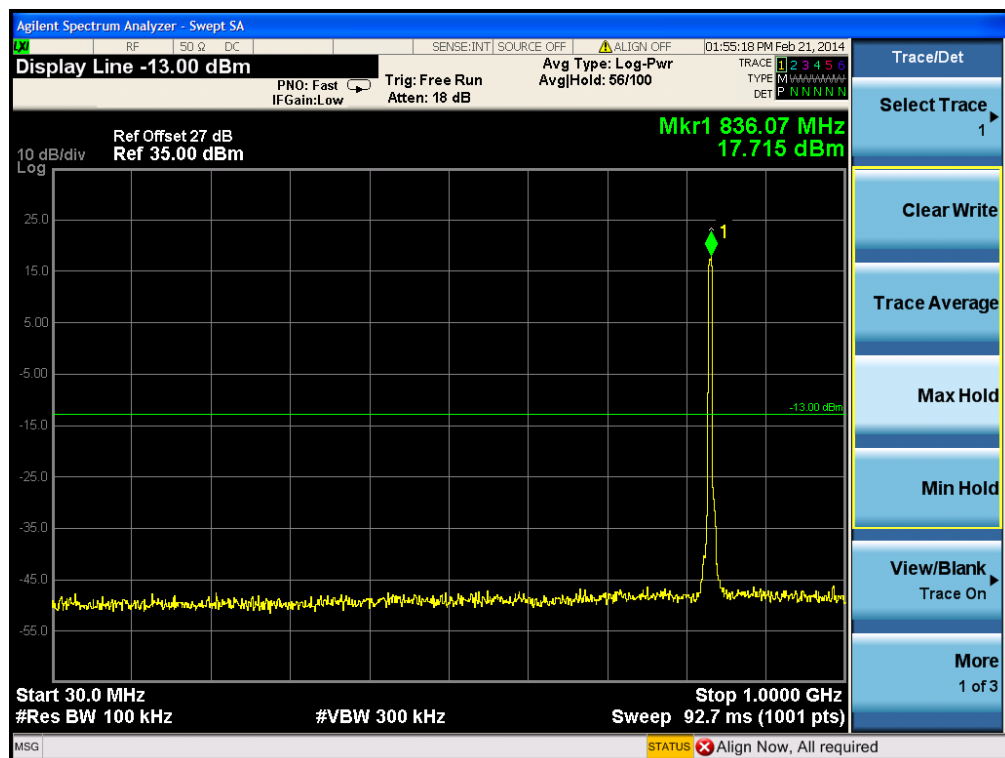
(Plot J3.1: HSUPA1900MHz Channel = 9538 1GHz to 20GHz)



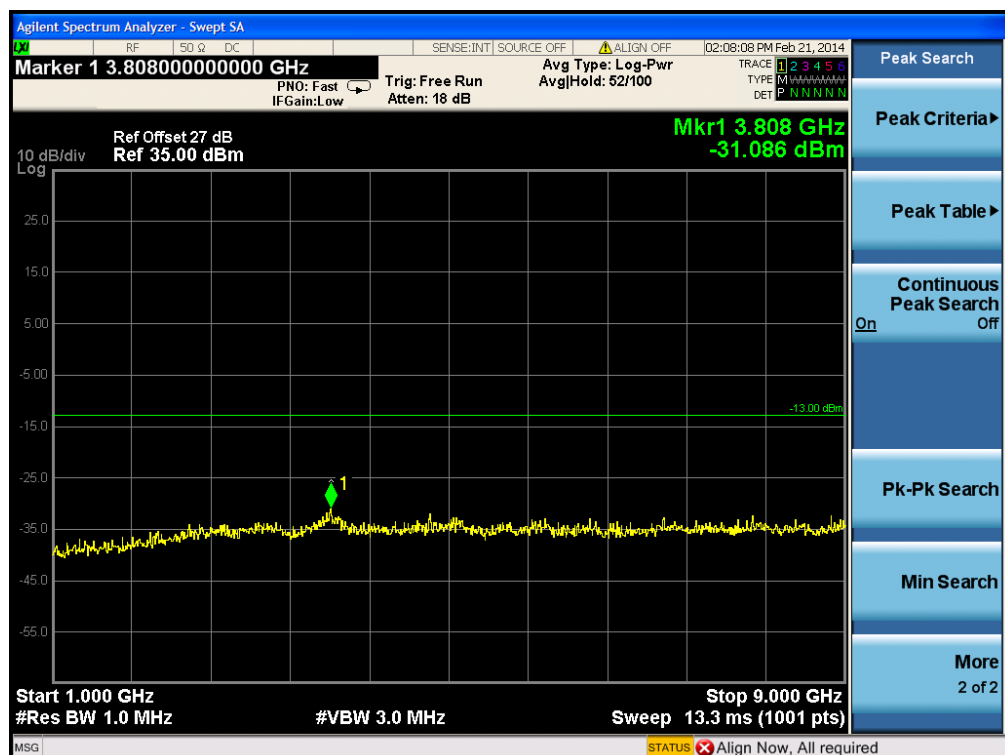
(Plot K 1: HSPA+ 850MHz Channel = 4132, 30MHz to 1GHz)



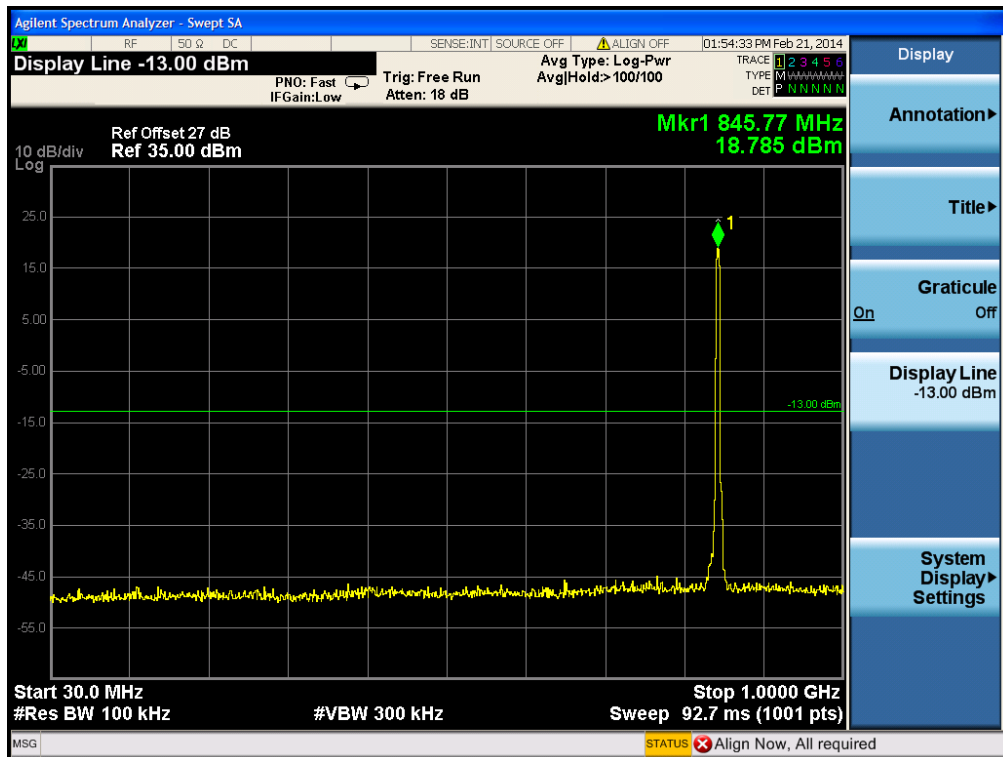
(Plot K1.1: HSPA+ 850MHz Channel = 4132, 1GHz to 9GHz)



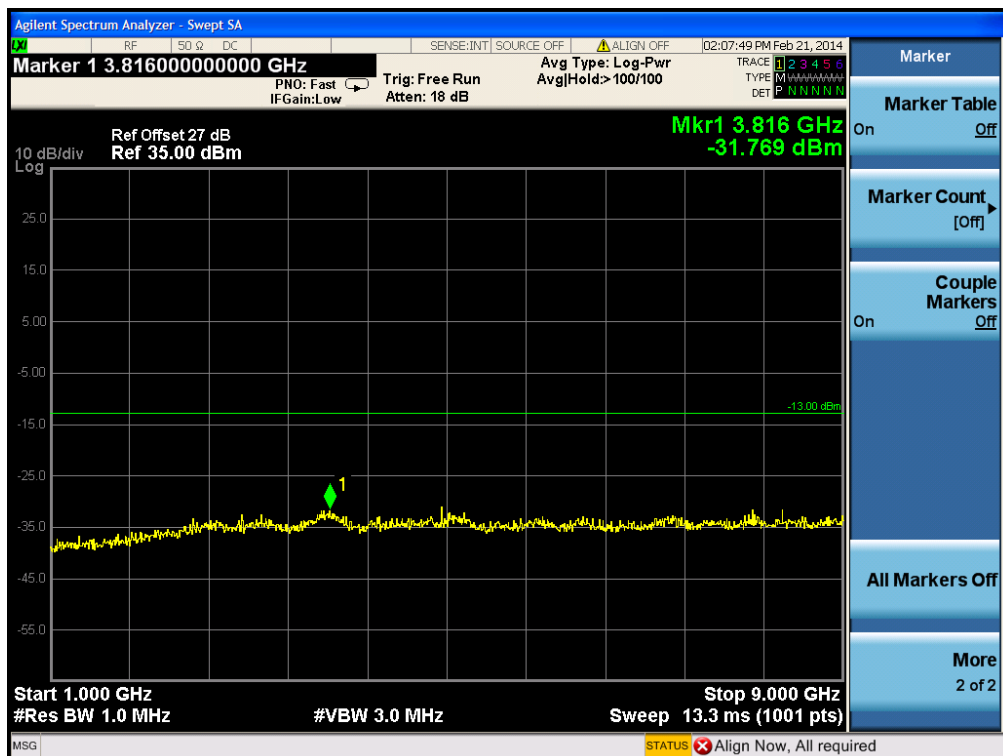
(Plot K 2: HSPA+ 850MHz Channel = 4175, 30MHz to 1GHz)



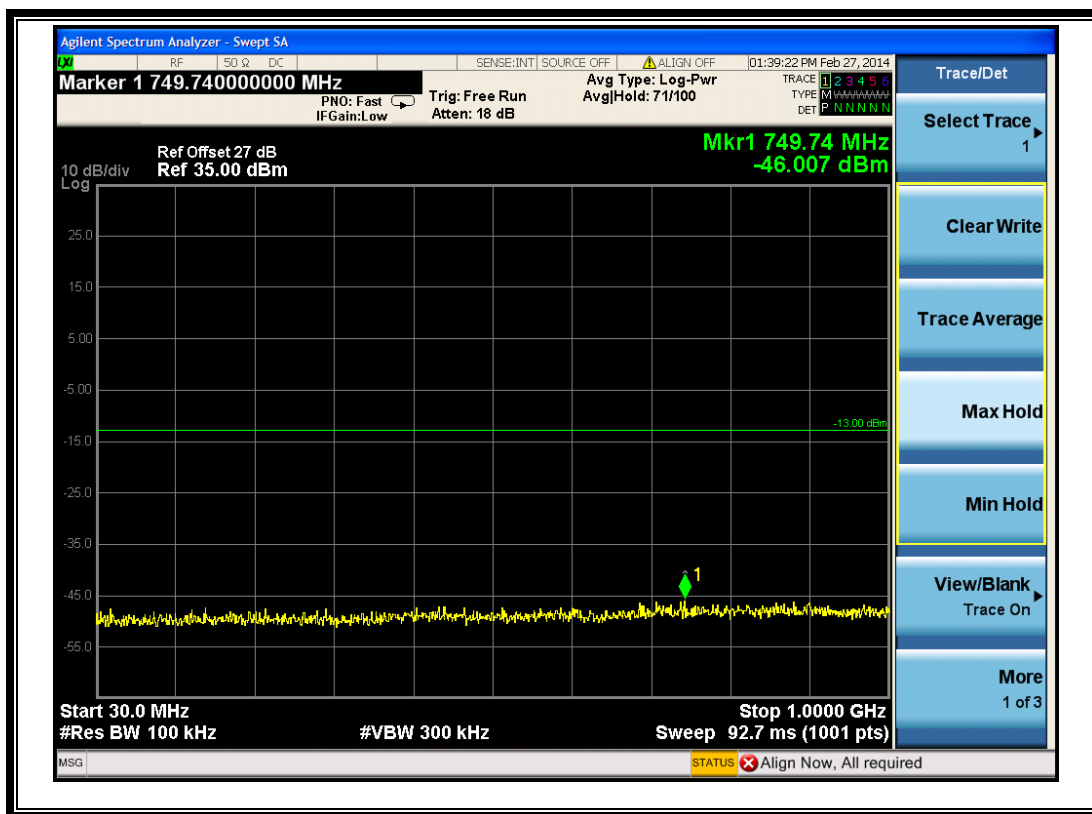
(Plot K2.1: HSPA+ 850MHz Channel = 4175, 1GHz to 9GHz)



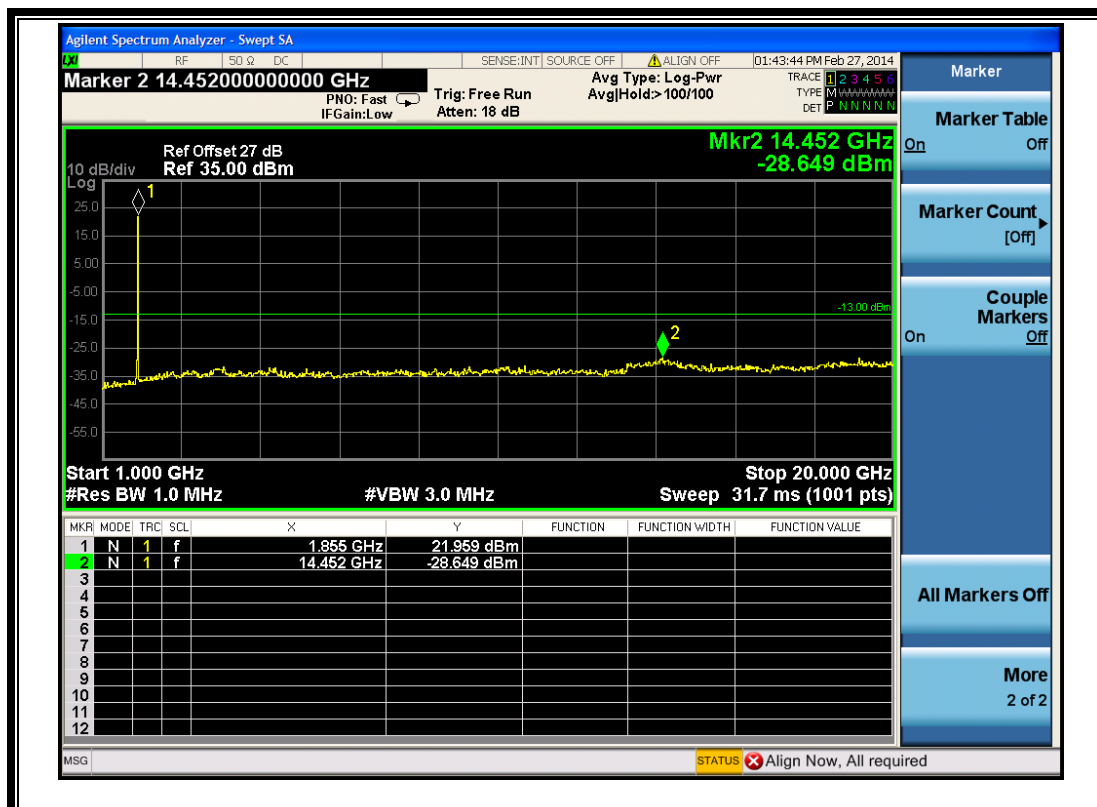
(Plot K 3: HUPA+ 850MHz Channel = 4233, 30MHz to 1GHz)



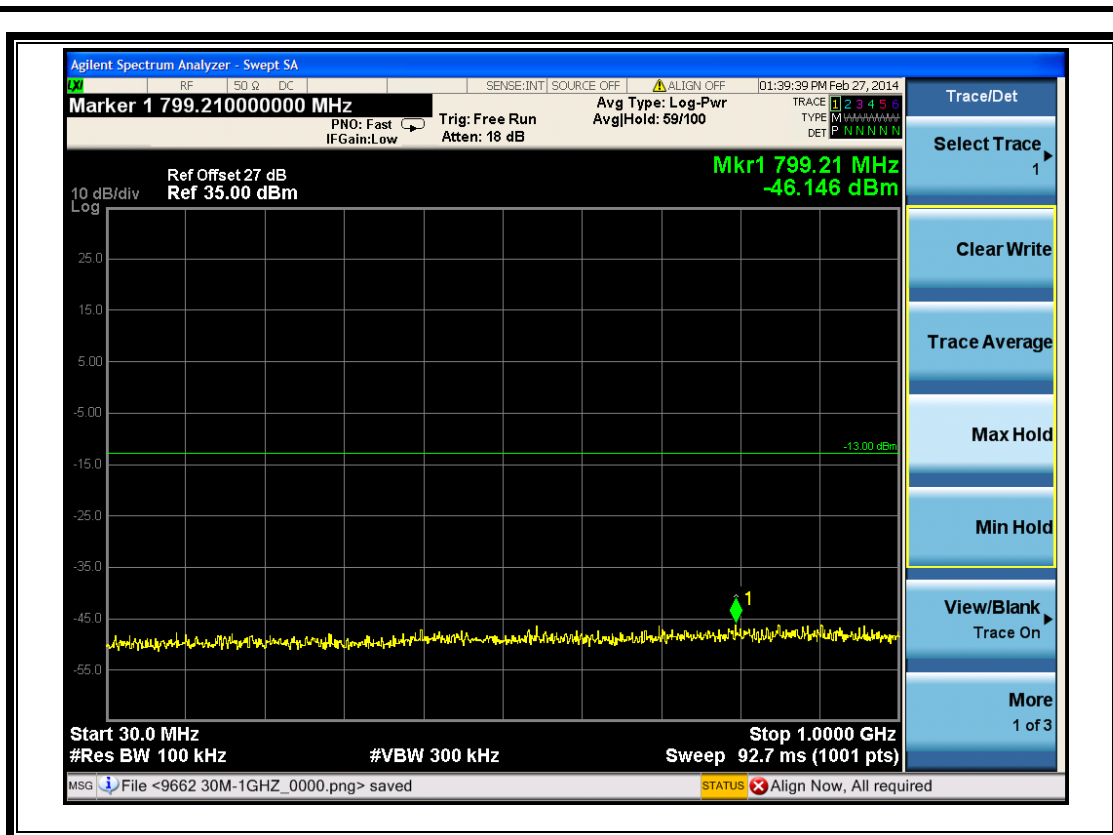
(Plot K3.1: HSPA+ 850MHz Channel = 4233, 1GHz to 9GHz)



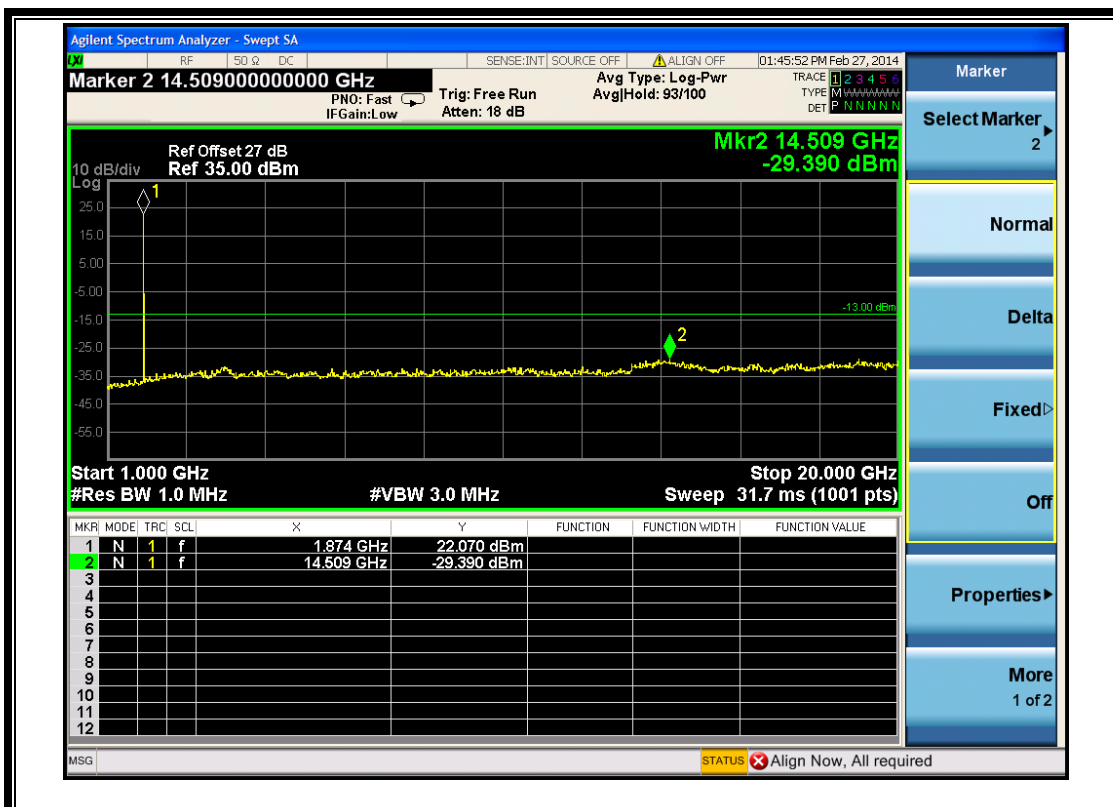
(Plot L1: HSPA+1900MHz Channel = 9262, 30MHz to 1GHz)



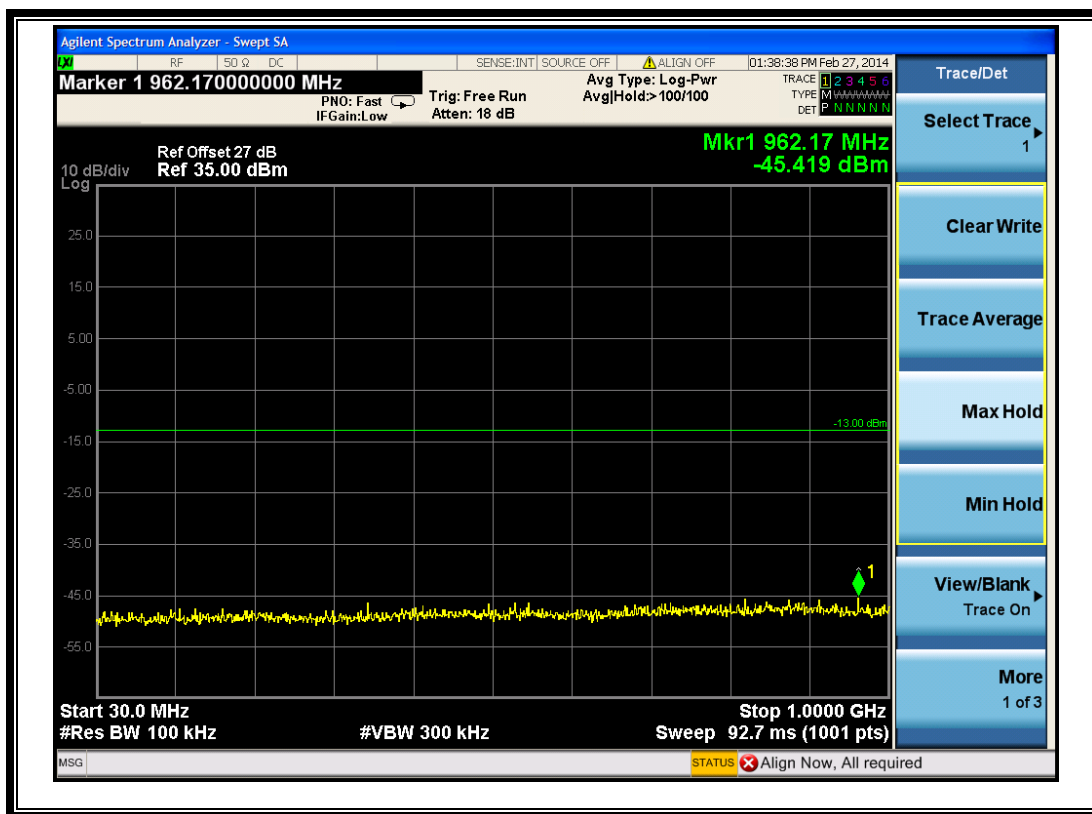
(Plot L1.1: HSPA+1900MHz Channel = 9262, 1GHz to 20GHz)



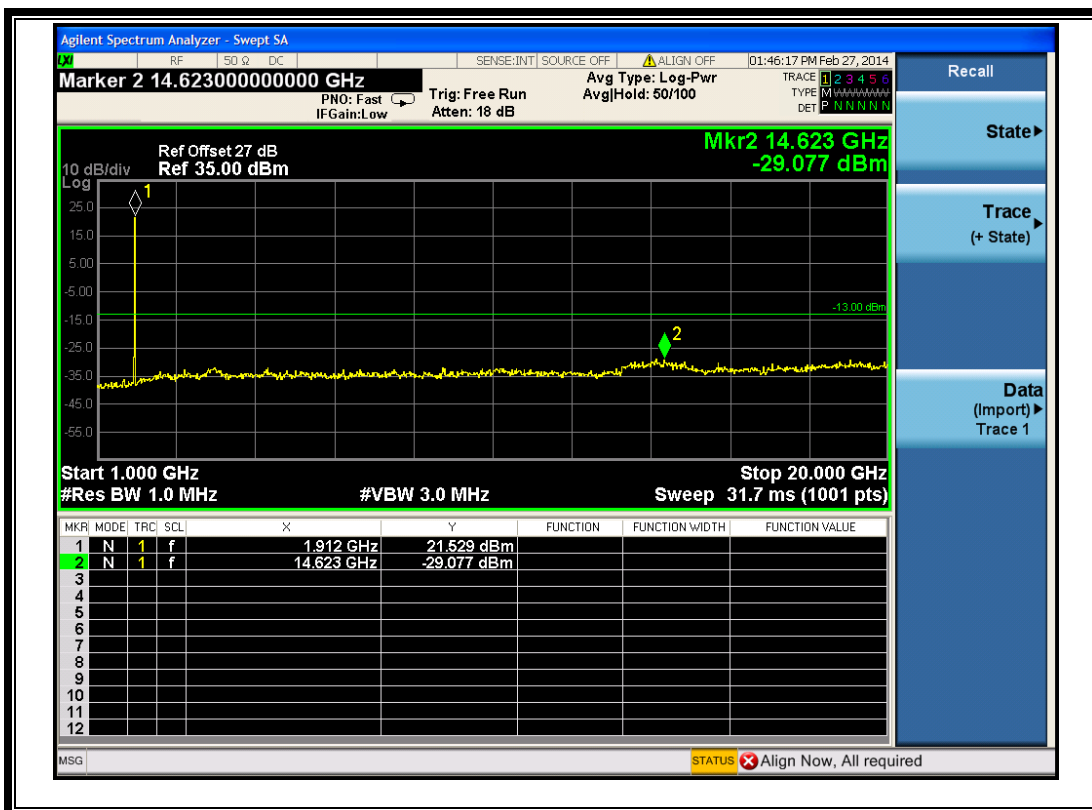
(Plot L2: HSPA+1900MHz Channel = 9400, 30MHz to 1GHz)



(Plot L2.1: HSPA+1900MHz Channel = 9400, 1GHz to 20GHz)



(Plot L 3:HSPA+1900MHz Channel = 9538, 30MHz to 1GHz)



(Plot L3.1: HSPA+1900MHz Channel = 9538 1GHz to 20GHz)

2.6 Band Edge

2.6.1 Requirement

According to FCC section 22.917(b) and FCC section 24.238(b) in the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth (26dB emission bandwidth) of the fundamental emission of the transmitter may be employed.

2.6.2 Test Description

See section 2.1.2 of this report.

2.6.3 Test Result

The lowest and highest channels are tested to verify the band edge emissions.

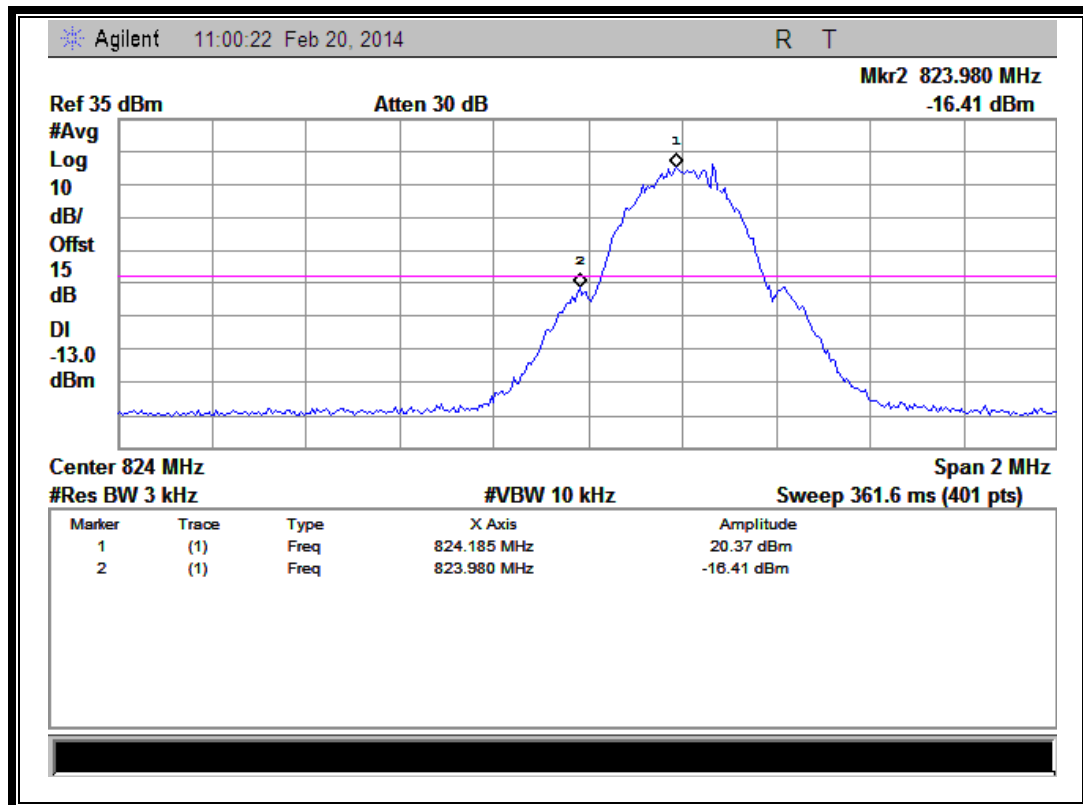
1. Test Verdict:

Band	Channel	Frequency (MHz)	Measured Max. Band Edge Emission (dBm)	Refer to Plot	Limit (dBm)	Verdict
GSM 850MHz	128	824.2	-16.41	Plat A	-13	PASS
	251	848.8	-17.61	Plot B		PASS
GSM 1900MHz	512	1850.2	-21.70	Plat C	-13	PASS
	810	1909.8	-23.47	Plot D		PASS
EDGE 850MHz	128	824.2	-22.66	Plat E	-13	PASS
	251	848.8	-23.34	Plot F		PASS
EDGE 1900MHz	512	1850.2	-23.17	Plat G	-13	PASS
	810	1909.8	-27.32	Plot H		PASS
WCDMA 850MHz	4132	826.4	-20.74	Plat I	-13	PASS
	4233	846.6	-21.68	Plot J		PASS
WCDMA 1900MHz	9262	1852.4	-25.39	Plat I	-13	PASS
	9538	1907.6	-26.18	Plot J		PASS
HSDPA 850MHz	4132	826.4	-21.09	Plat M	-13	PASS
	4233	846.6	-22.21	Plot N		PASS
HSDPA 1900MHz	9262	1852.4	-24.19	Plat K	-13	PASS
	9538	1907.6	-23.95	Plot L		PASS
HSUPA 850MHz	4132	826.4	-20.40	Plat Q	-13	PASS
	4233	846.6	-22.58	Plot R		PASS
HSUPA	9262	1852.4	-24.87	Plat M	-13	PASS

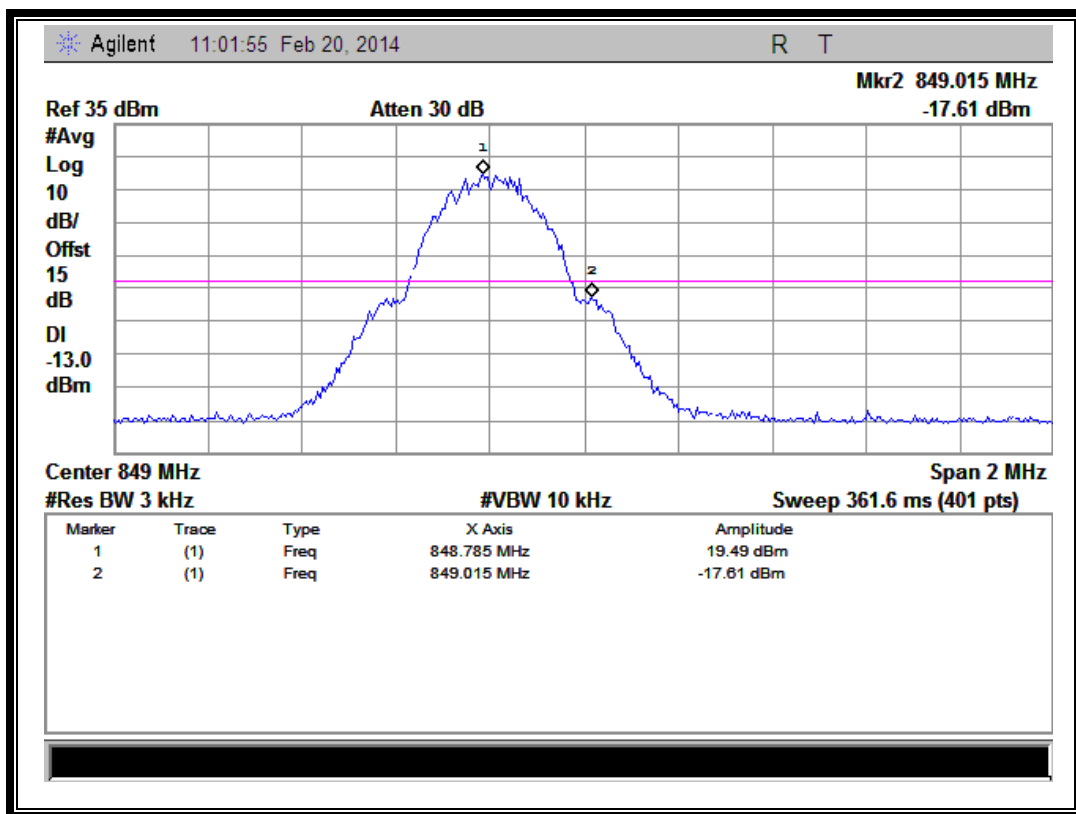


1900MHz	9538	1907.6	-23.73	Plot N		PASS
HSPA+	4132	826.4	-27.27	Plat U	-13	PASS
850MHz	4233	846.6	-26.95	Plot V		PASS
HSPA+	9262	1852.4	-27.01	Plat O	-13	PASS
1900MHz	9538	1907.6	-26.28	Plot P		PASS

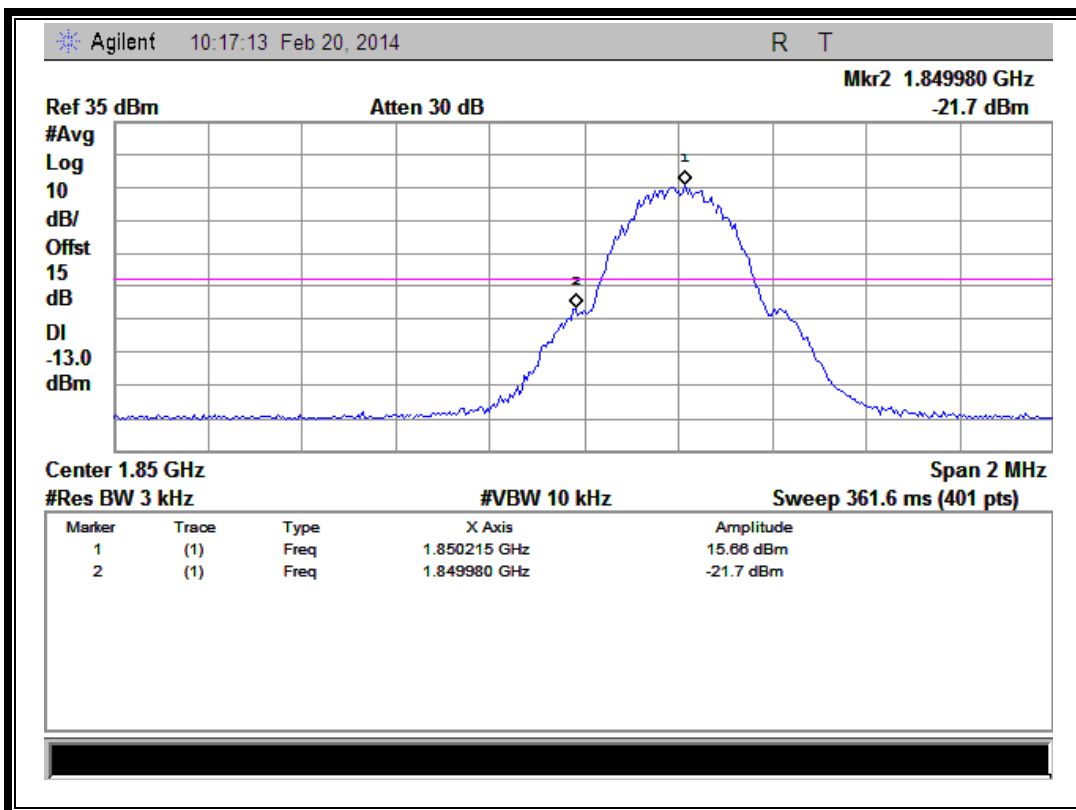
2. Test Plots:



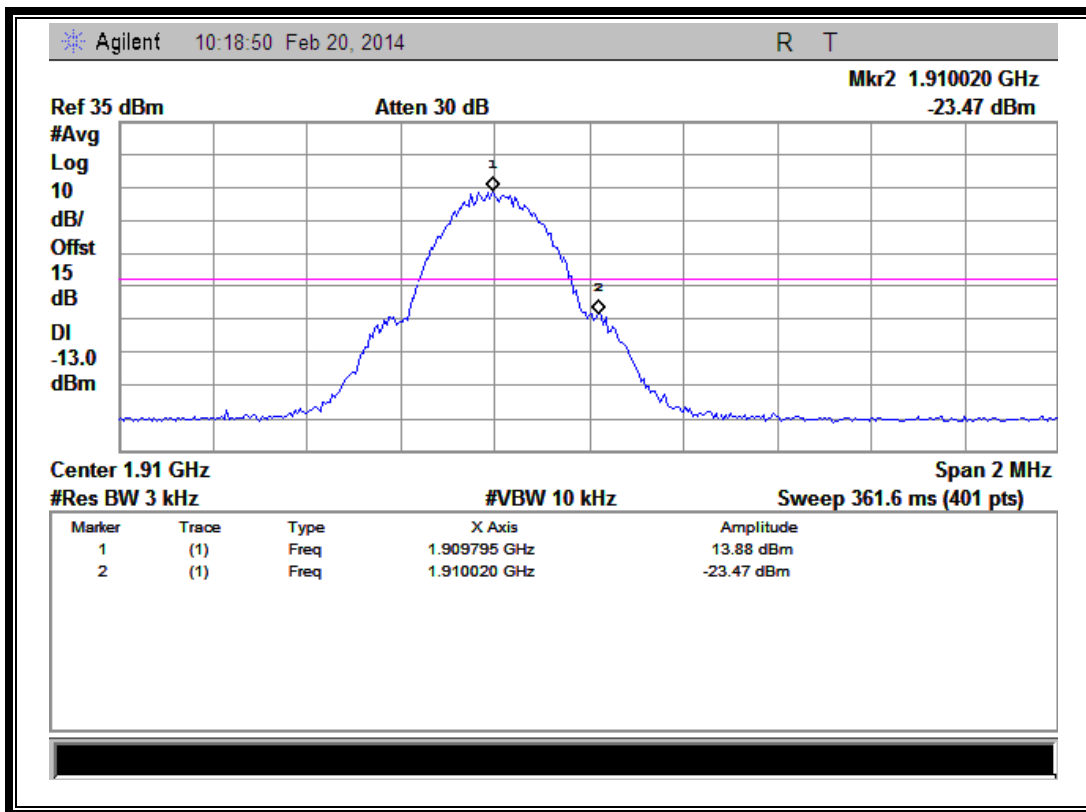
(Plot A: GSM 850 Channel = 128)



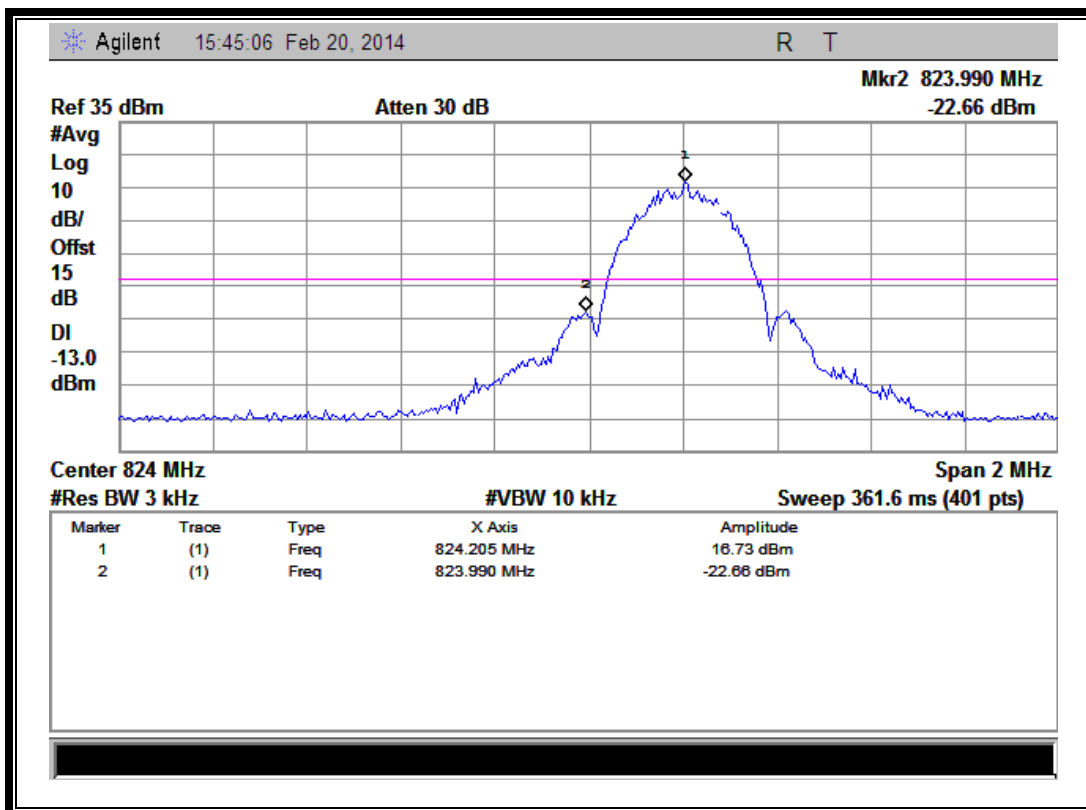
(Plot B: GSM 850 Channel = 251)



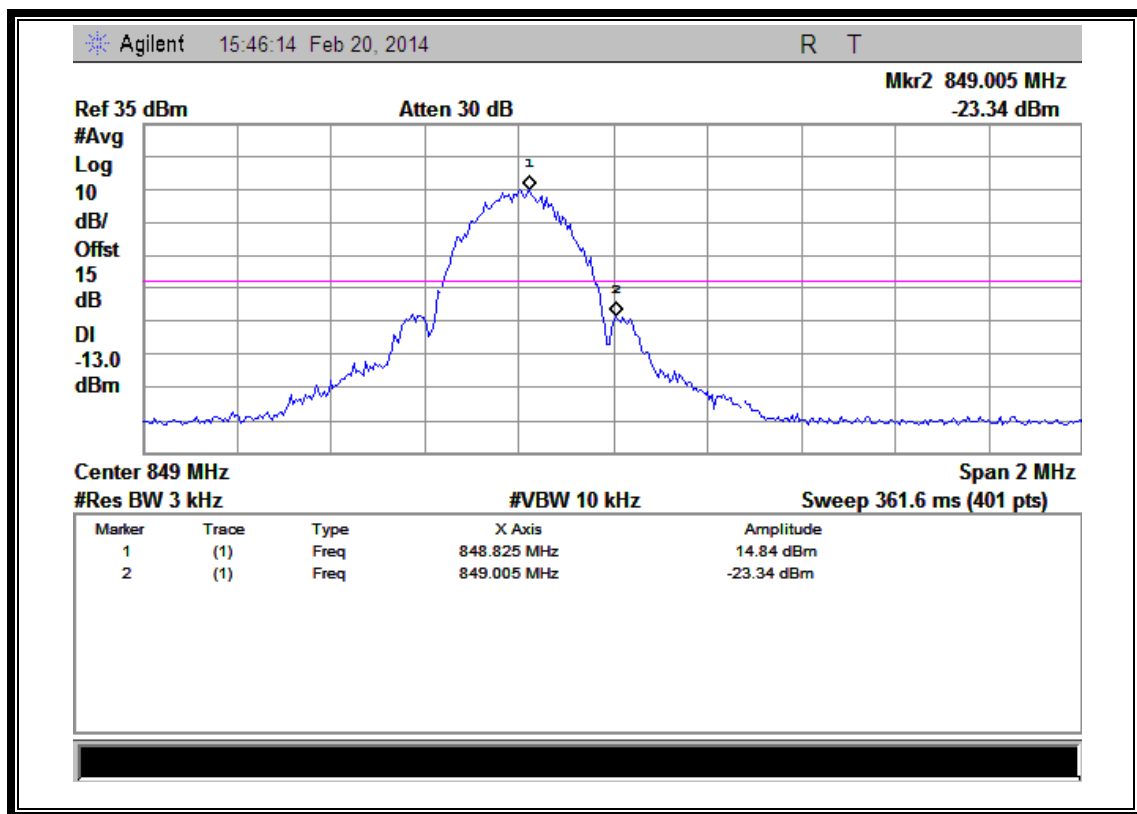
(Plot C: GSM 1900 Channel = 512)



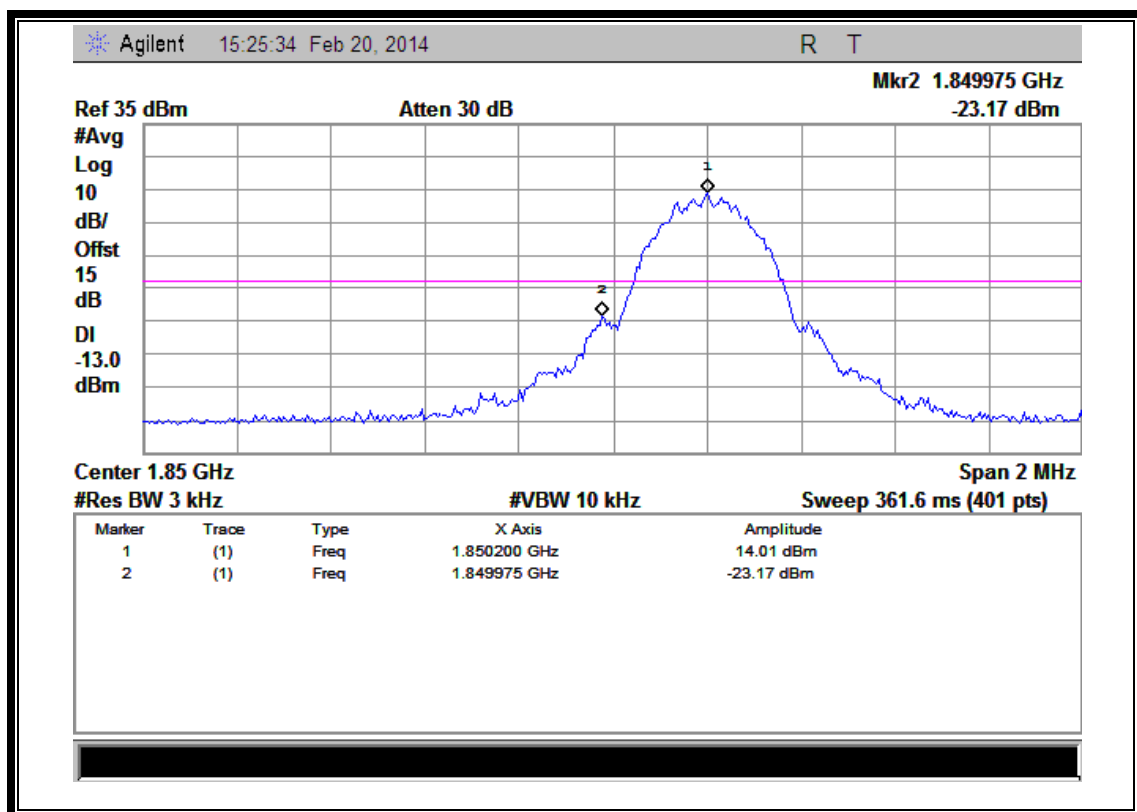
(Plot D: GSM 1900 Channel = 810)



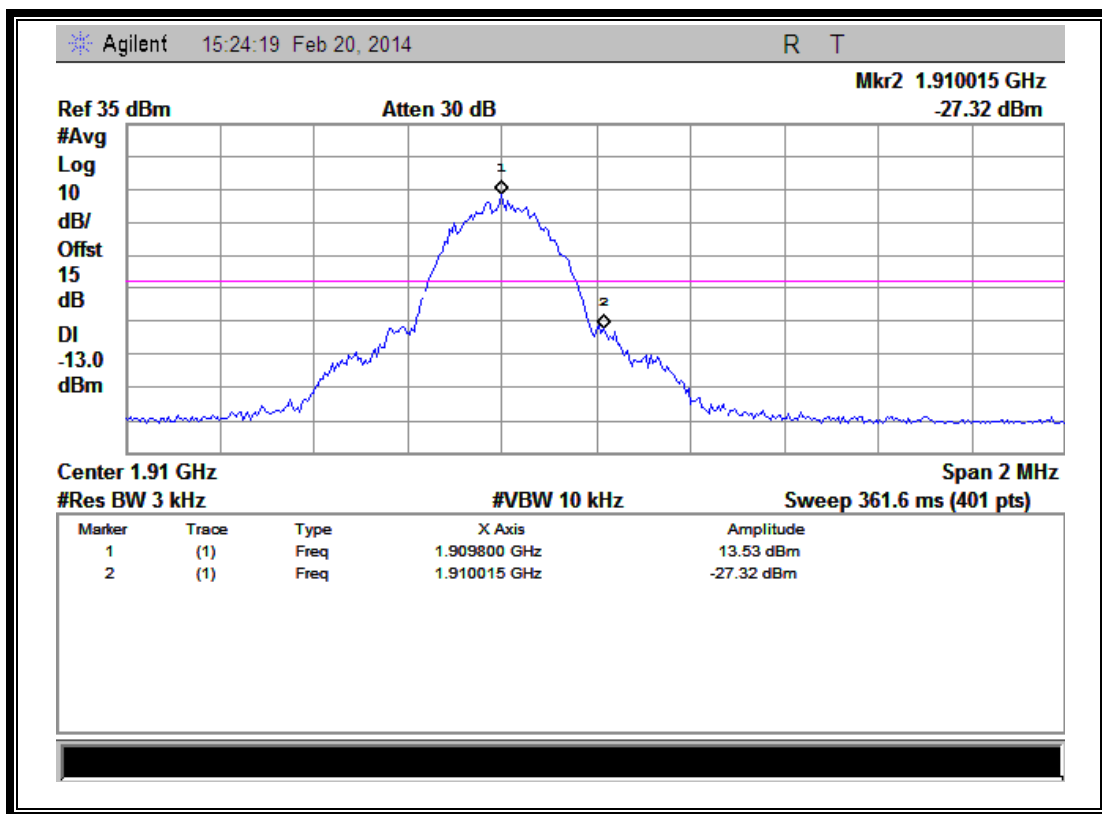
(Plot E: EGPRS 850 Channel = 128)



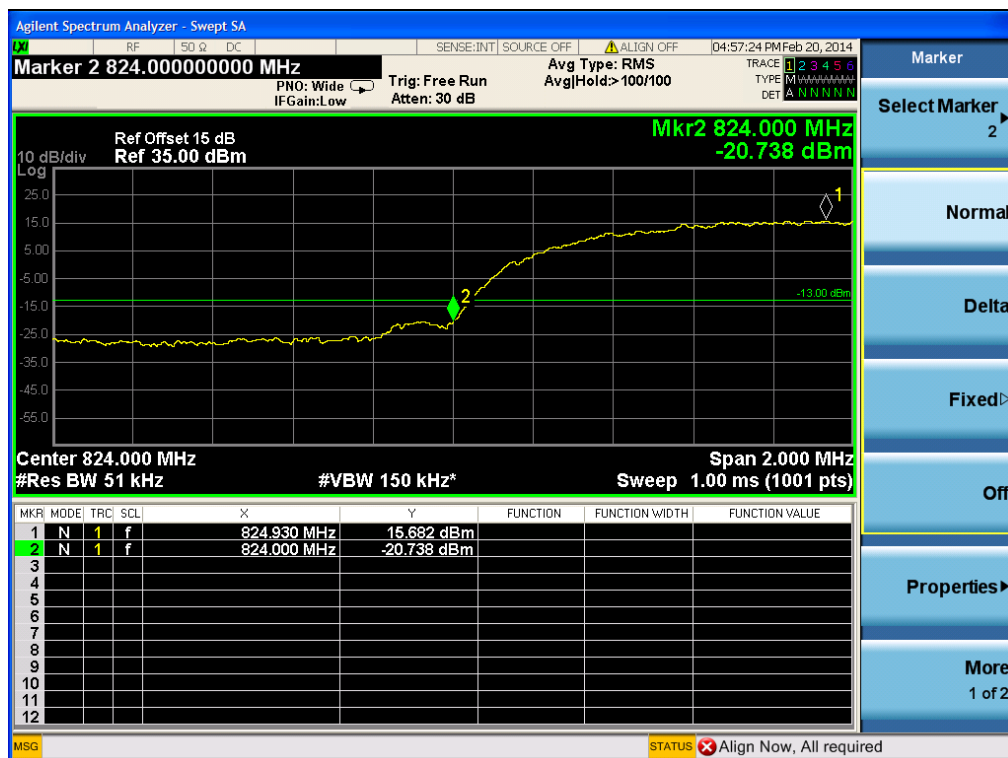
(Plot F: EGPRS 850 Channel = 251)



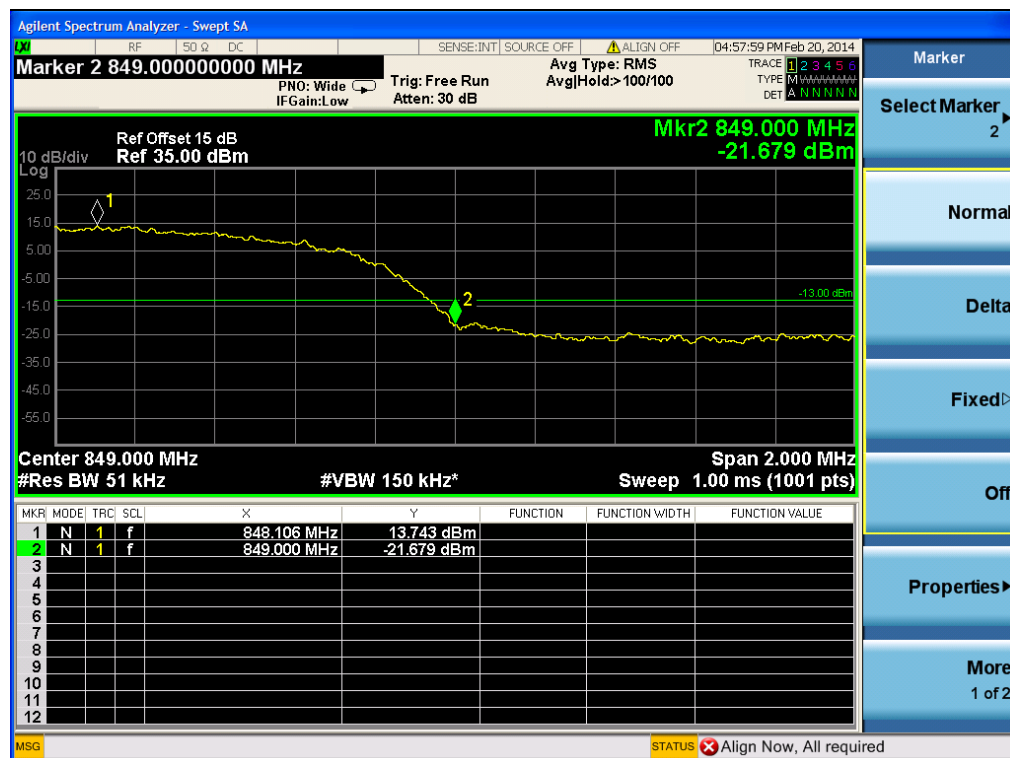
(Plot G: EGPRS 1900 Channel = 512)



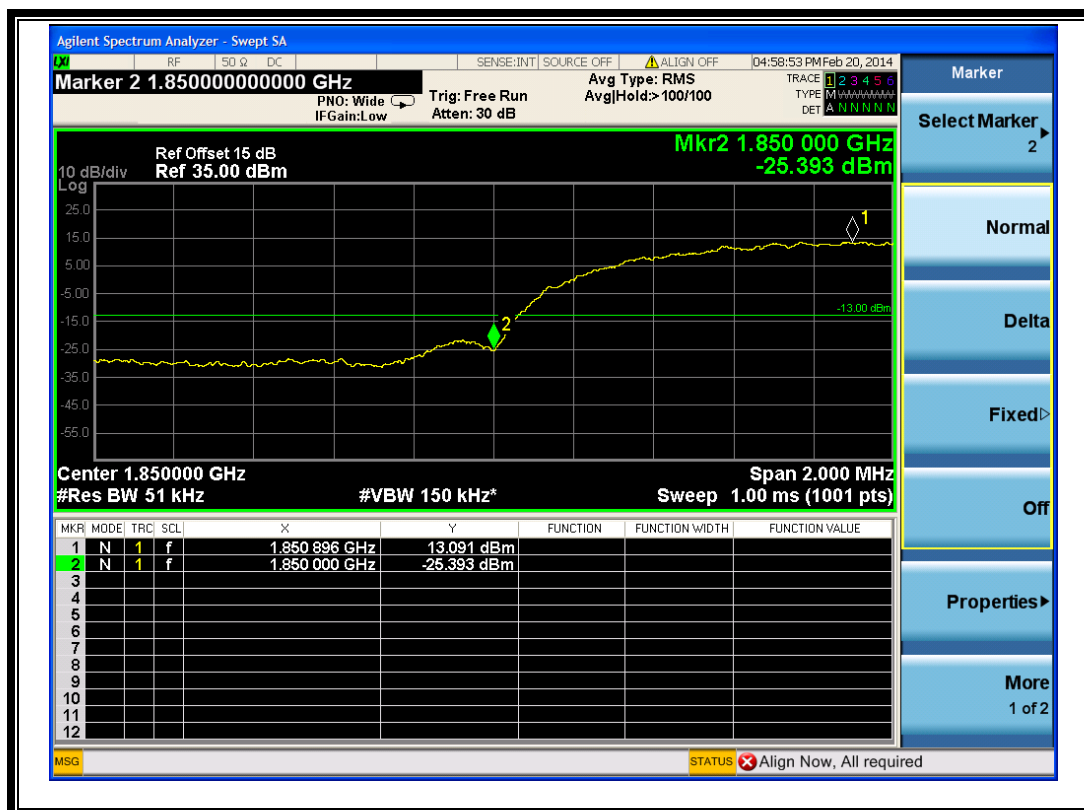
(Plot H: EGPRS 1900 Channel = 810)



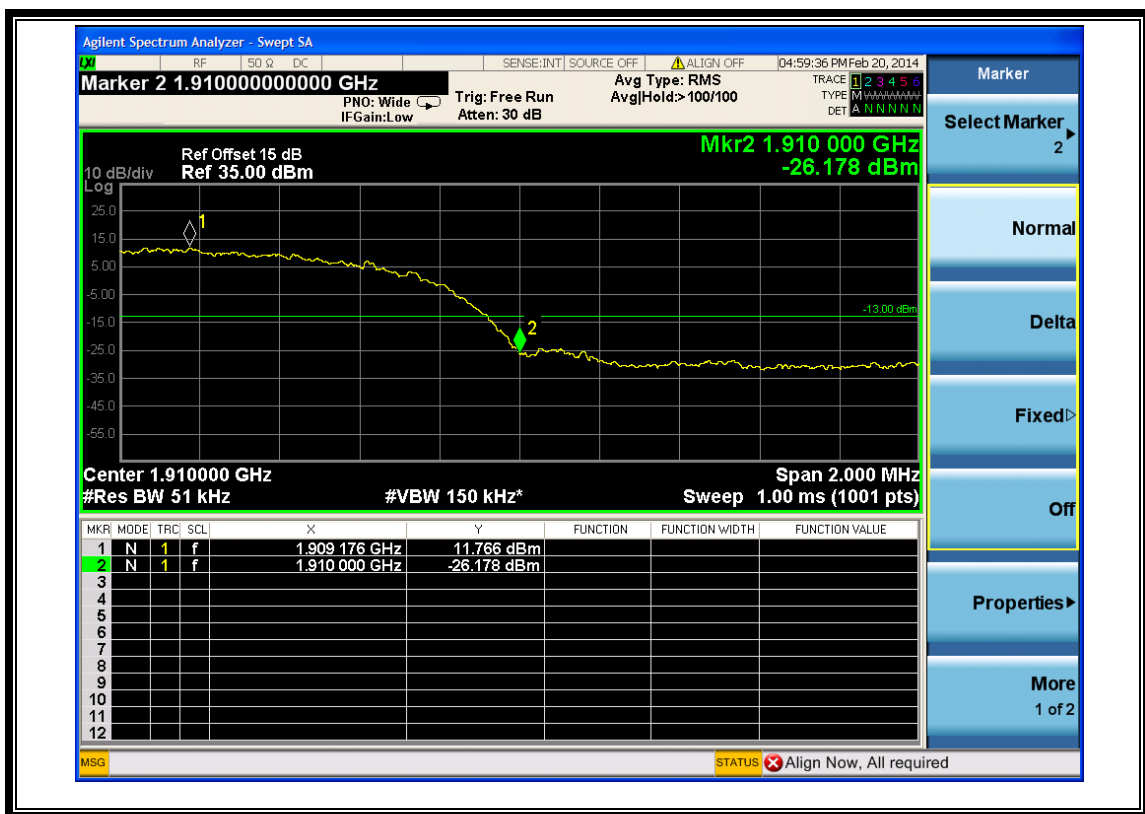
(Plot I: WCDMA 850 Channel = 4132)



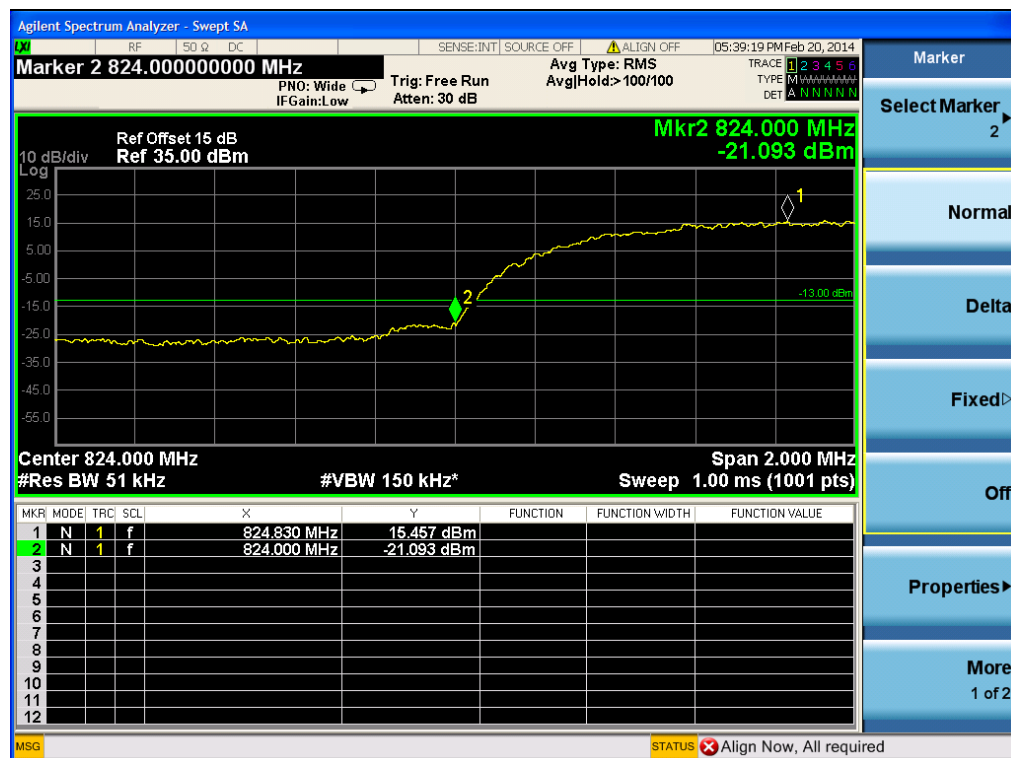
(Plot J: WCDMA 850 Channel = 4233)



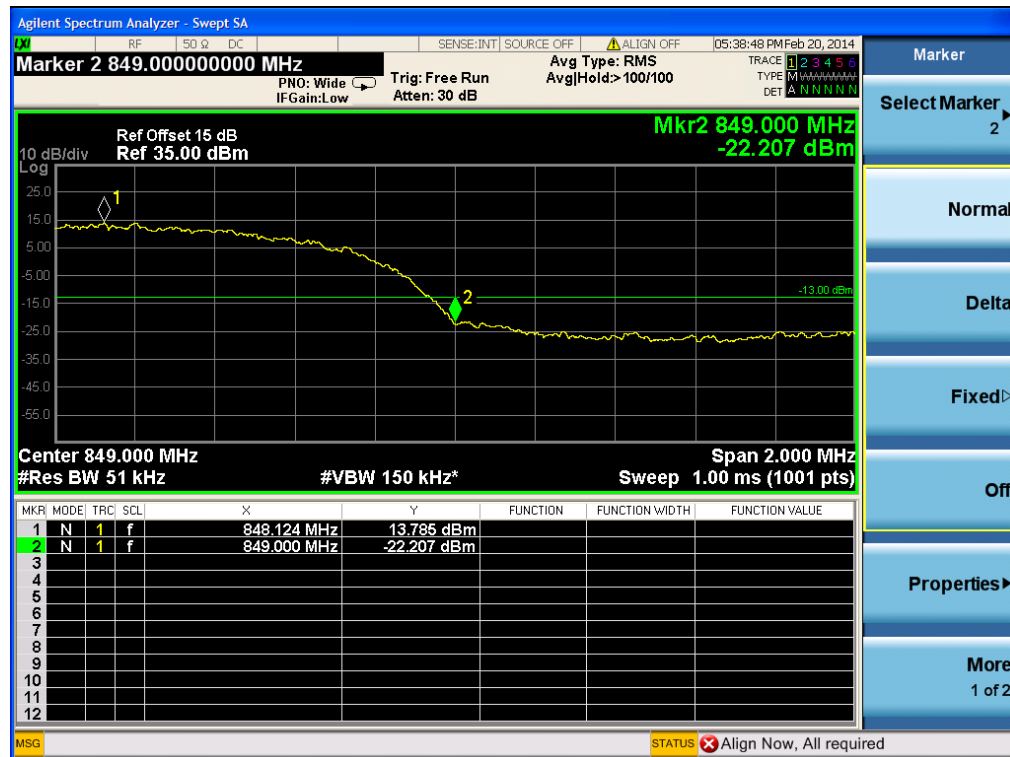
(Plot K: WCDMA 1900 Channel = 9262)



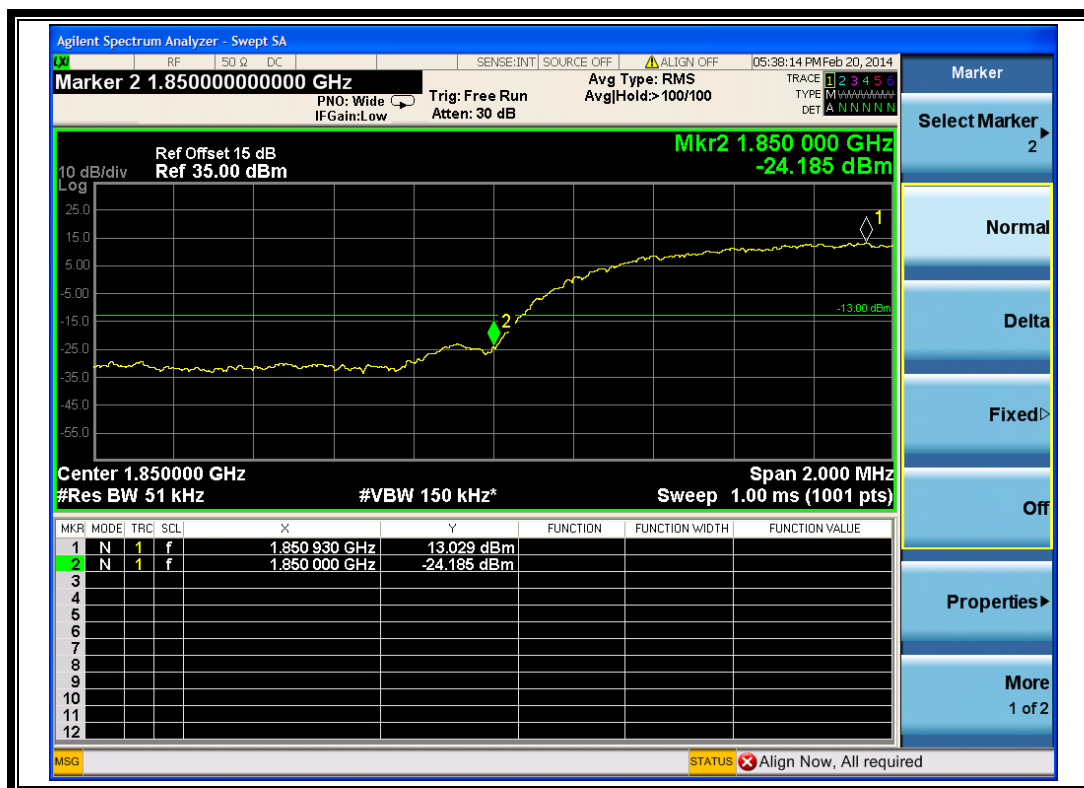
(Plot L: WCDMA 1900 Channel = 9538)



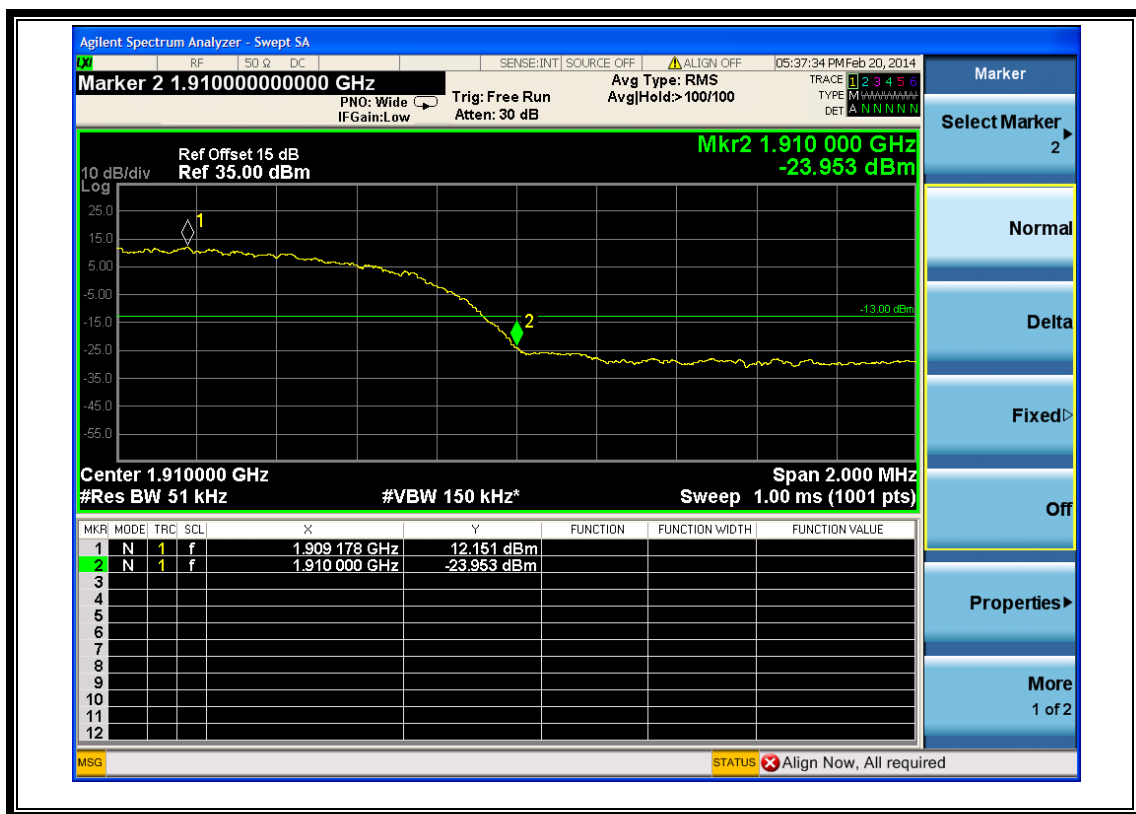
(Plot M: HSDPA 850 Channel = 4132)



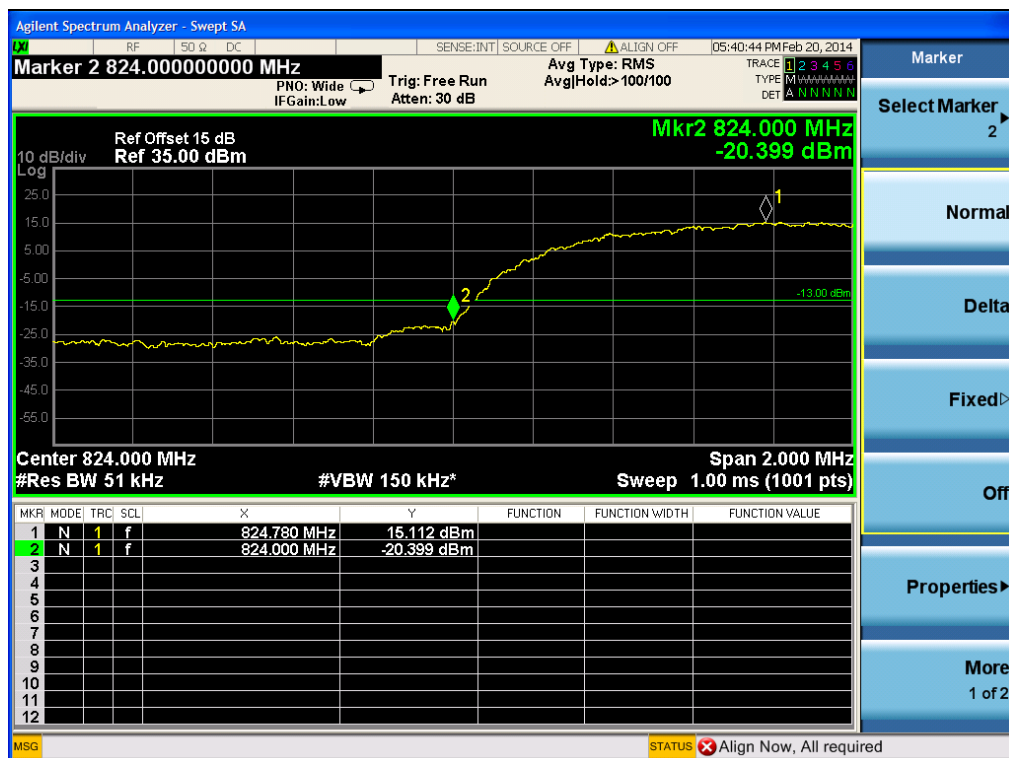
(Plot N: HSDPA850 Channel = 4233)



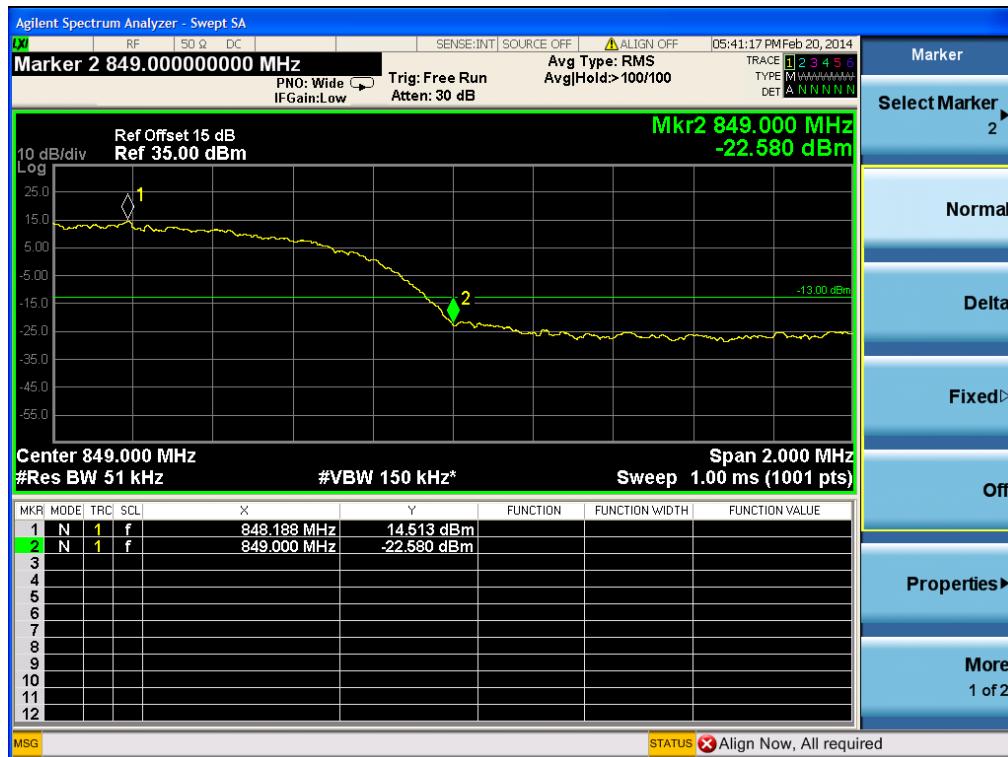
(Plot O: HSDPA 1900 Channel = 9262)



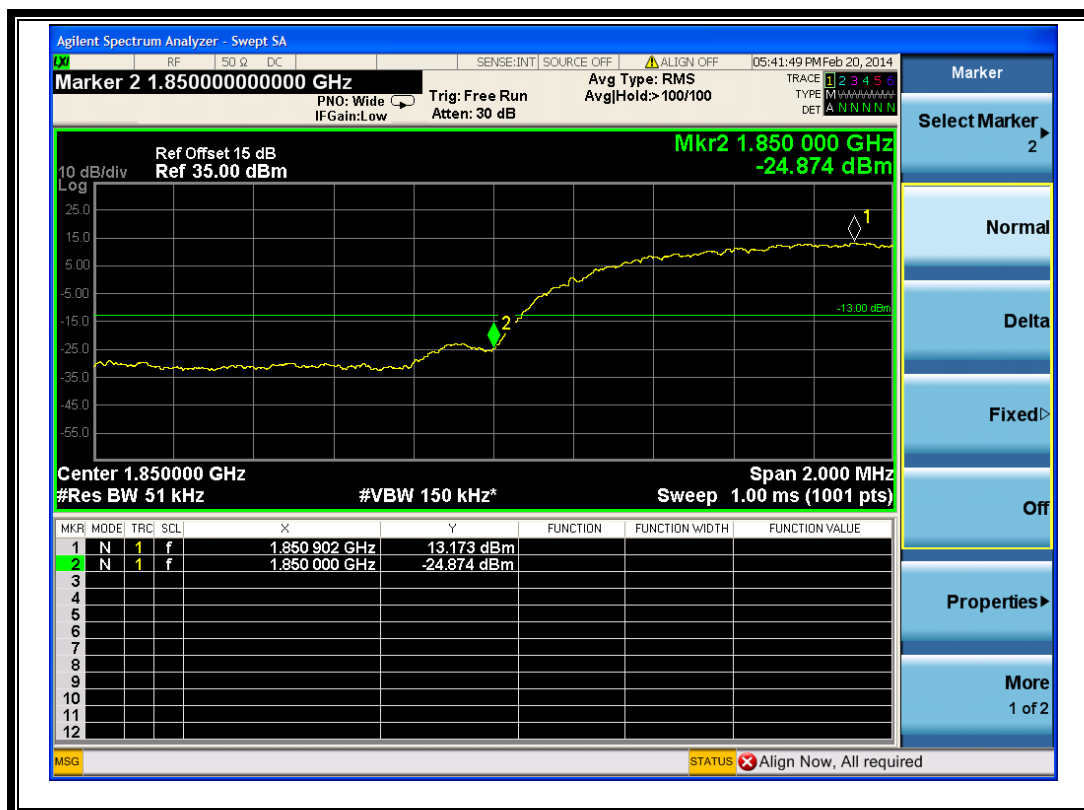
(Plot P: HSDPA 1900 Channel = 9538)



(Plot Q: HSUPA 850 Channel = 4132)



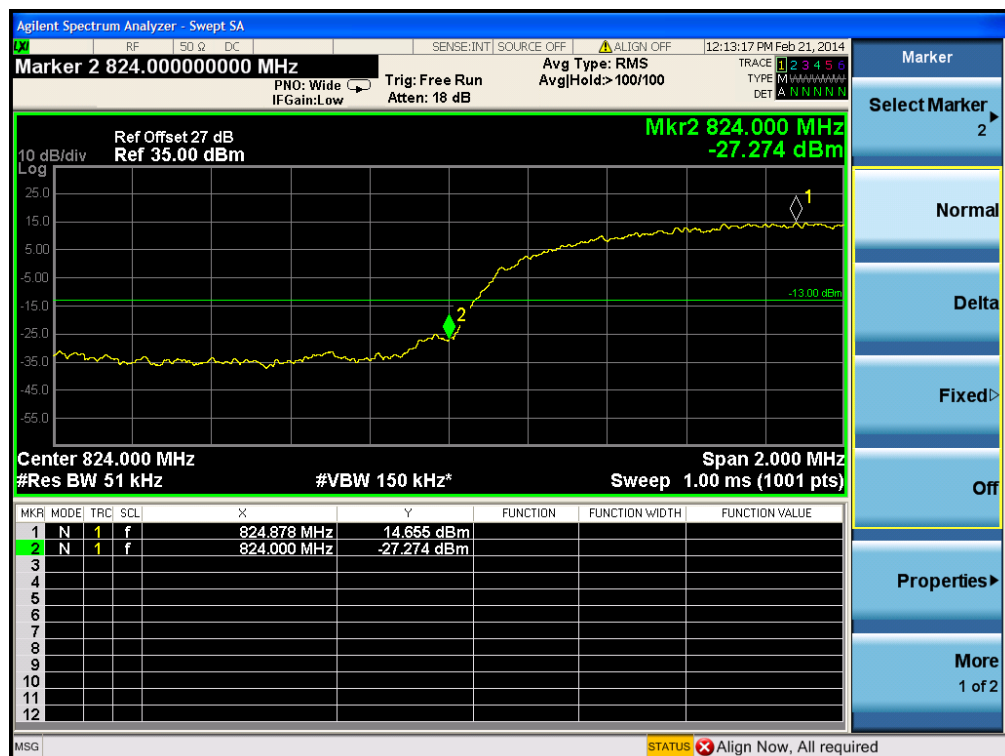
(Plot R: HSUPA850 Channel = 4233)



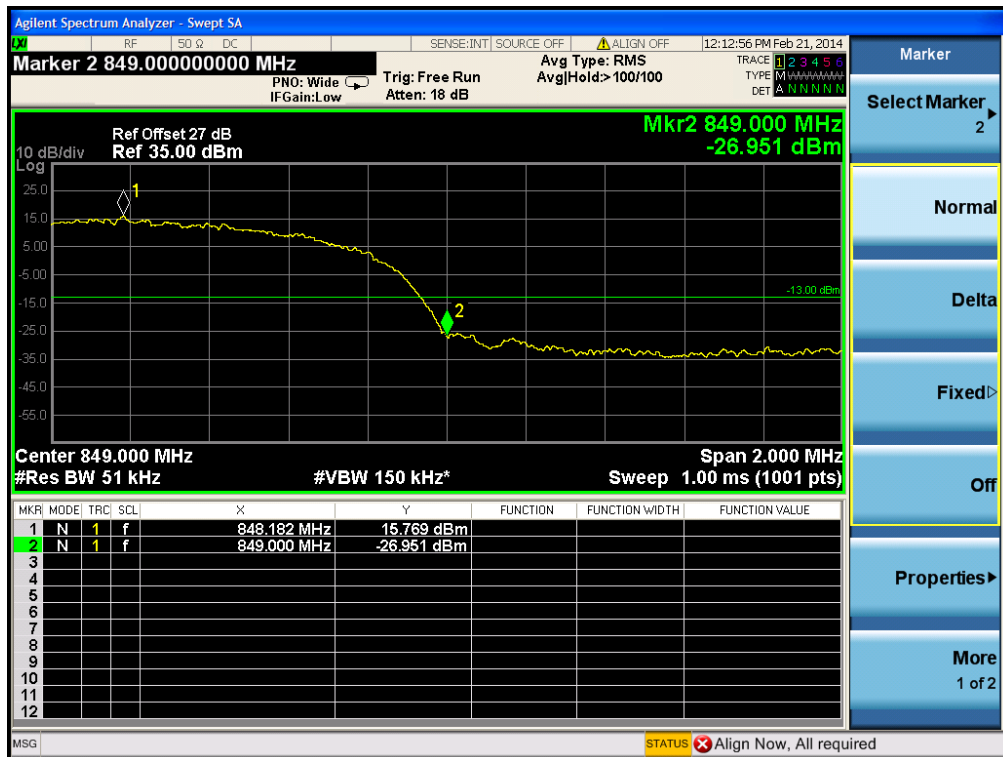
(Plot S: HSUPA 1900 Channel = 9262)



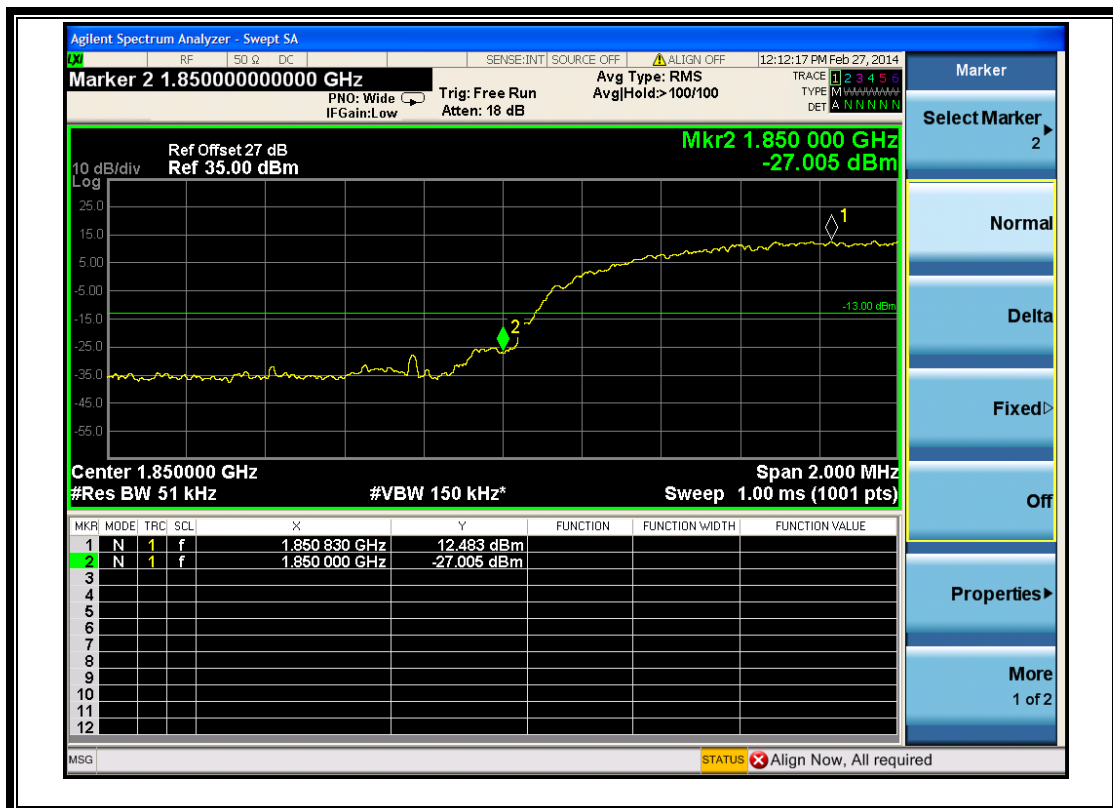
(Plot T: HSUPA 1900 Channel = 9538)



(Plot U: HSPA+ 850 Channel = 4132)



(Plot V: HSPA+ 850 Channel = 4233)



(Plot W: HSPA+ 1900 Channel = 9262)



(Plot X: HSPA+ 1900 Channel = 9538)

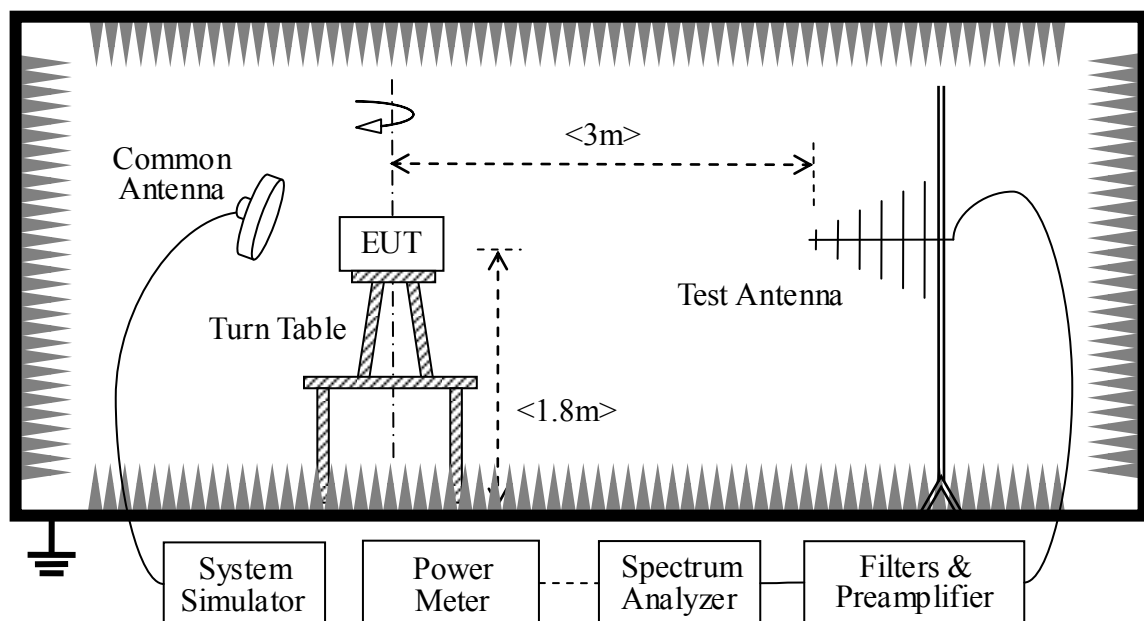
2.7 Transmitter Radiated Power (EIRP/ERP)

2.7.1 Requirement

According to FCC section 22.913, the Effective Radiated Power (ERP) of mobile transmitters and auxiliary test transmitters must not exceed 7Watts, and FCC section 24.232, the broadband PCS mobile station is limited to 2 Watts e.i.r.p. peak power.

2.7.2 Test Description

5. Test Setup:



The EUT, which is powered by the Battery charged with the AC Adapter, is located in a 3m Full-Anechoic Chamber; the cable loss, air loss and so on of the site as factors are pre-calibrated using the "Substitution" method, and calculated to correct the reading.

A call is established between the EUT and the SS via a Common Antenna. The EUT is commanded by the SS to operate at the maximum and minimum output power (i.e. GSM850MHz band Power Control Level (PCL) = 5/19 and Power Class = 4, GSM1900MHz band Power Control Level (PCL) = 0/15 and Power Class = 1), and only the test result of the maximum output power was recorded.

- GSM Maximum RF output power: GSM 850 33.16dBm, GSM 1900 30.31dBm, EGPRS 850 33.25dBm, EGPRS 30.51dBm. WCDMA 850 23.63dBm WCDMA 1900 23.52 dBm Please refer to section 2.1.3 of this report.

- Step size (dB): 3dB

- Minimum RF power: GSM 850 3.1dBm, GSM 1900 0.3dBm, EGPRS 850 3.1dBm, EGPRS 1900 0.21dBm ,

WCDMA 1900 0.5dBm.

The Test Antenna is a Bi-Log one (used for 30MHz to 1GHz) or a Horn one (used for above 3GHz), and it's located at the same height as the EUT. The Filters consists of Notch Filters and High Pass Filter.

6. Equipments List:

Description	Manufacturer	Model	Serial No.	Cal. Due Date
System Simulator	Agilent	E5515C	GB43130131	2014.06.10
Spectrum Analyzer	Agilent	E7405A	US44210471	2014.06.10
Full-Anechoic Chamber	Albatross~ Projects	12.8m*6.8m*6.4m	A0412372	2014.06.10
Double ridge horn antenna	R&S	HF906	A0304225	2014.06.10
Ultra-wideband antenna	R&S	HL562	A0304224	2014.06.10
Loop antenna	R&S	HFH2-Z2	A0304226	2014.06.10
Horn Antenna (18-26.5GHz)	R&S	UG-596A/U	A0902607	2014.06.10

2.7.3 Test Result

The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. The lowest, middle and highest channels are tested.

The substitution corrections are obtained as described below:

$$A_{\text{SUBST}} = P_{\text{SUBST_TX}} - P_{\text{SUBST_RX}} - L_{\text{SUBST_CABLES}} + G_{\text{SUBST_TX_ANT}}$$

$$A_{\text{TOT}} = L_{\text{CABLES}} + A_{\text{SUBST}}$$

Where A_{SUBST} is the final substitution correction including receive antenna gain.

$P_{\text{SUBST_TX}}$ is signal generator level,

$P_{\text{SUBST_RX}}$ is receiver level,

$L_{\text{SUBST_CABLES}}$ is cable losses including TX cable,

$G_{\text{SUBST_TX_ANT}}$ is substitution antenna gain.

A_{TOT} is total correction factor including cable loss and substitution correction

During the test, the data of A_{TOT} was added in the Test Spectrum Analyze, so Spectrum Analyze reading is the final values which contain the data of A_{TOT} .



7. GSM Model Test Verdict:

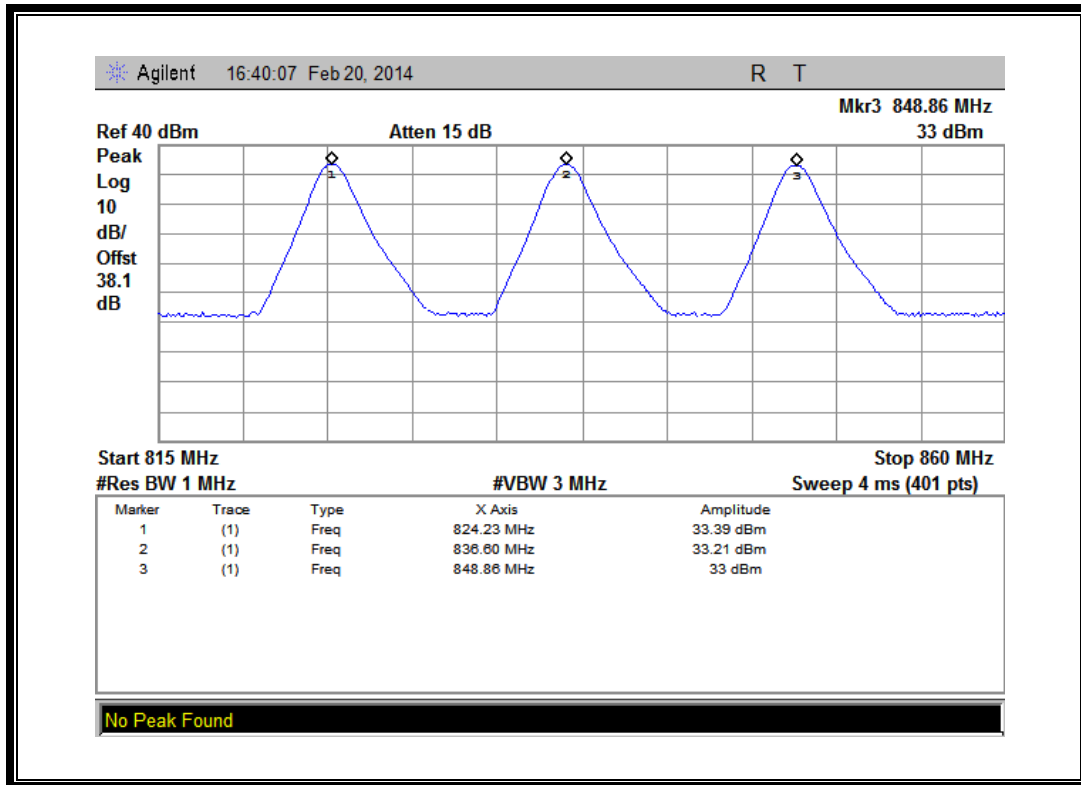
Band	Channel	Frequency (MHz)	PCL	Measured ERP			Limit		Verdict
				dBm	W	Refer to Plot	dBm	W	
GSM 850MHz	128	824.20	5	33.39	2.183	Plot A	38.5	7	PASS
	190	836.60	5	33.21	2.094				PASS
	251	848.80	5	33.00	1.995				PASS
GPRS 850MHz	128	824.20	5	33.48	2.228	Plot B ^{Note 1}	38.5	7	PASS
	190	836.60	5	33.45	2.213				PASS
	251	848.80	5	33.47	2.223				PASS
EGPRS 850MHz	128	824.20	5	33.55	2.265	Plot C ^{Note 1}	38.5	7	PASS
	190	836.60	5	33.62	2.301				PASS
	251	848.80	5	33.35	2.163				PASS
Band	Channel	Frequency (MHz)	PCL	Measured EIRP			Limit		Verdict
				dBm	W	Refer to Plot	dBm	W	
GSM 1900MHz	512	1850.2	0	30.58	1.143	Plot D	33	2	PASS
	661	1880.0	0	30.48	1.117				PASS
	810	1909.8	0	30.41	1.099				PASS
GPRS 1900MHz	512	1850.2	0	30.62	1.153	Plot E ^{Note 1}	33	2	PASS
	661	1880.0	0	30.48	1.117				PASS
	810	1909.8	0	30.27	1.064				PASS
EGPRS 1900MHz	512	1850.2	0	30.04	1.009	Plot F ^{Note 1}	33	2	PASS
	661	1880.0	0	30.29	1.069				PASS
	810	1909.8	0	30.61	1.151				PASS
Note 1:	For the GPRS and EGPRS model, all the slots were tested and just the worst data was record in this report.								

8. WCDMA Model Test Verdict:

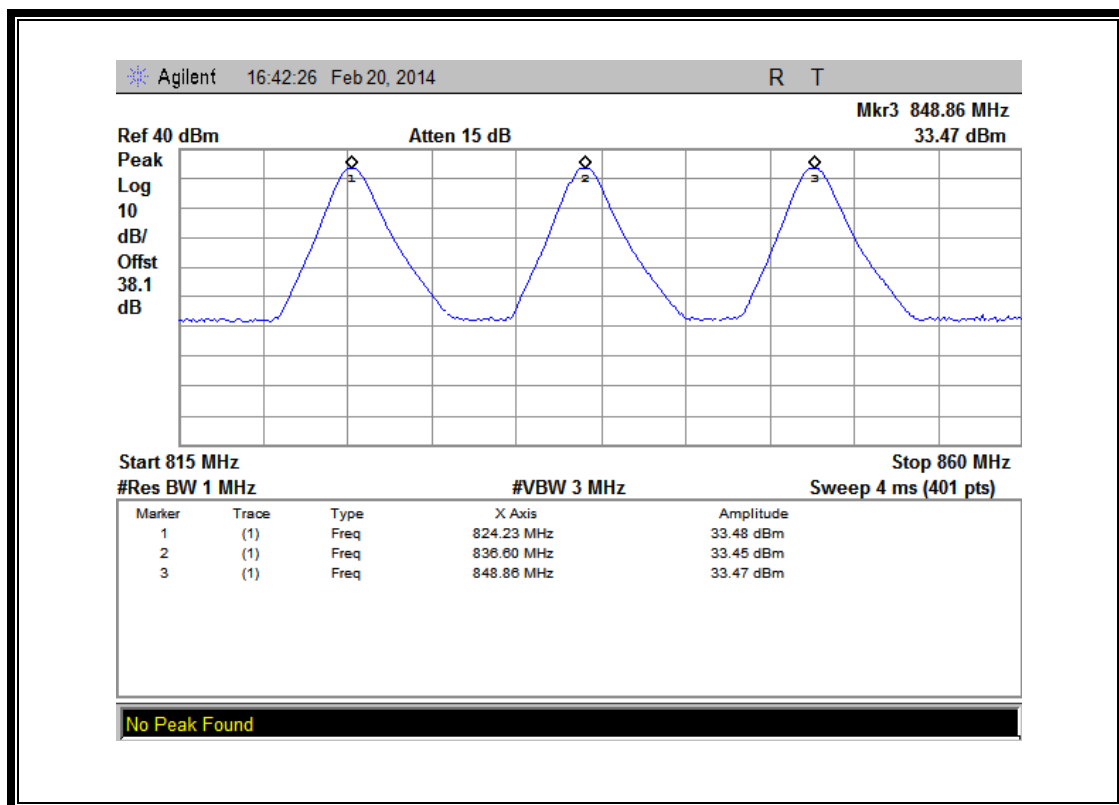
Band	Channel	Frequency (MHz)	Measured ERP			Limit		Verdict
			dBm	W	Refer to Plot	dBm	W	
WCDMA 850MHz	4132	826.4	27.87	0.612	Plot G	38.5	7	PASS
	4175	835	27.90	0.617				PASS
	4233	846.6	28.44	0.698				PASS
HSDPA 850MHz	4132	826.4	27.92	0.619	Plot H	38.5	7	PASS
	4175	835	27.65	0.582				PASS
	4233	846.6	28.30	0.676				PASS
HSUPA 850MHz	4132	826.4	27.97	0.627	Plot I	38.5	7	PASS
	4175	835	27.81	0.604				PASS
	4233	846.6	28.45	0.700				PASS
HSPA+ 850MHz	4132	826.4	27.87	0.612	Plot J	38.5	7	PASS
	4175	835	27.90	0.617				PASS
	4233	846.6	28.44	0.698				PASS

Band	Channel	Frequency (MHz)	Measured EIRP			Limit		Verdict
			dBm	W		dBm	W	
WCDMA 1900MHz	9262	1852.4	25.26	0.336	Plot K	33	2	PASS
	9400	1880	25.69	0.371				PASS
	9538	1907.6	25.49	0.354				PASS
HSDPA 1900MHz	9262	1852.4	25.43	0.349	Plot L	33	2	PASS
	9400	1880	25.54	0.358				PASS
	9538	1907.6	25.65	0.367				PASS
HSUPA 1900MHz	9262	1852.4	25.30	0.339	Plot M	33	2	PASS
	9400	1880	25.23	0.333				PASS
	9538	1907.6	25.52	0.356				PASS
HSPA+ 1900MHz	9262	1852.4	24.64	0.291	Plot N	33	2	PASS
	9400	1880	24.35	0.272				PASS
	9538	1907.6	24.38	0.274				PASS

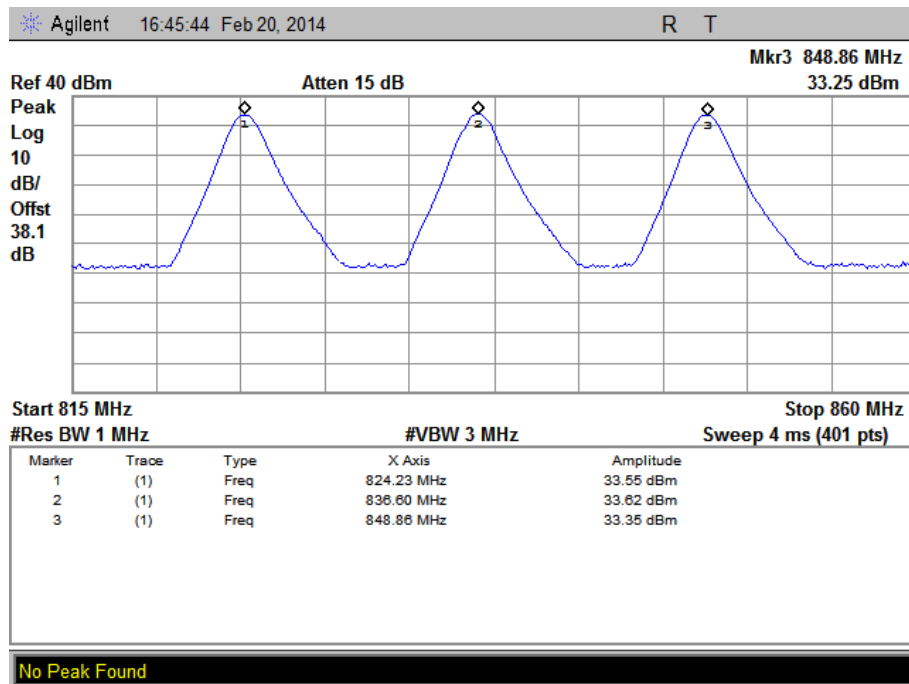
3. Test Plots:



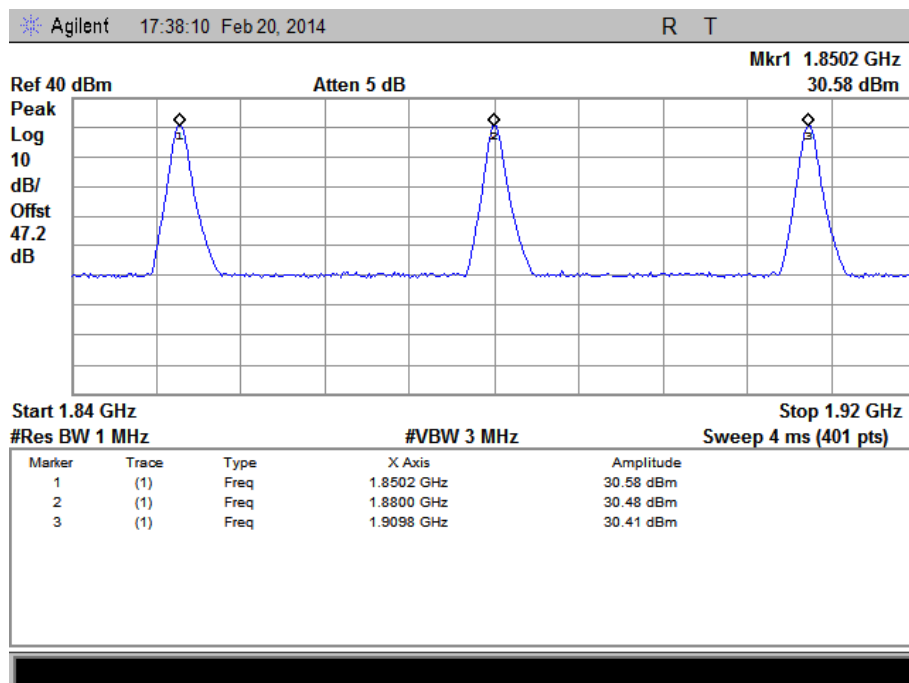
(Plot A: GSM 850MHz Channel = 128, 190, 251)



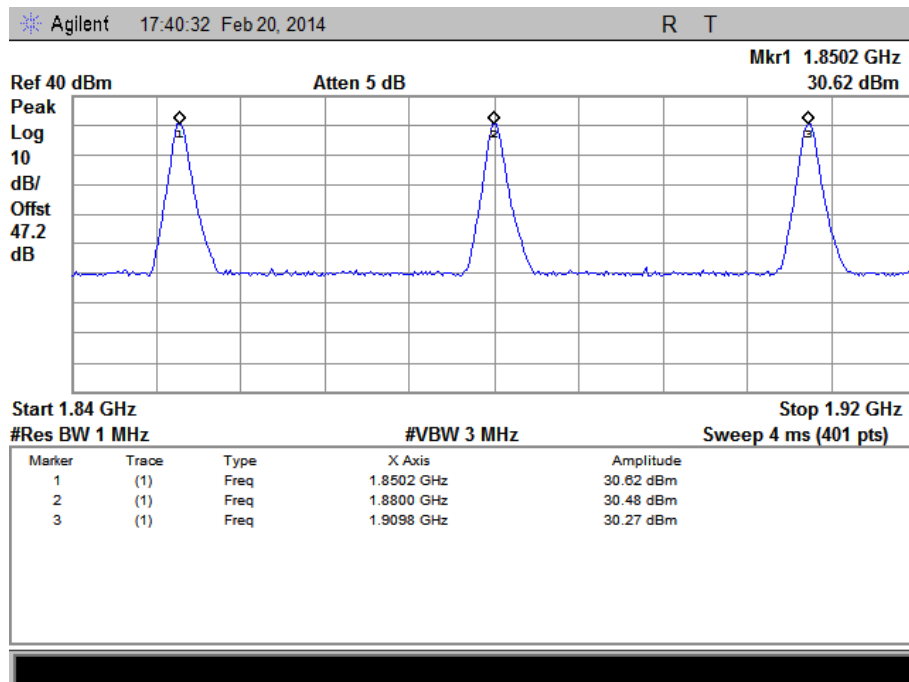
(Plot B: GPRS 850MHz Channel = 128, 190, 251)



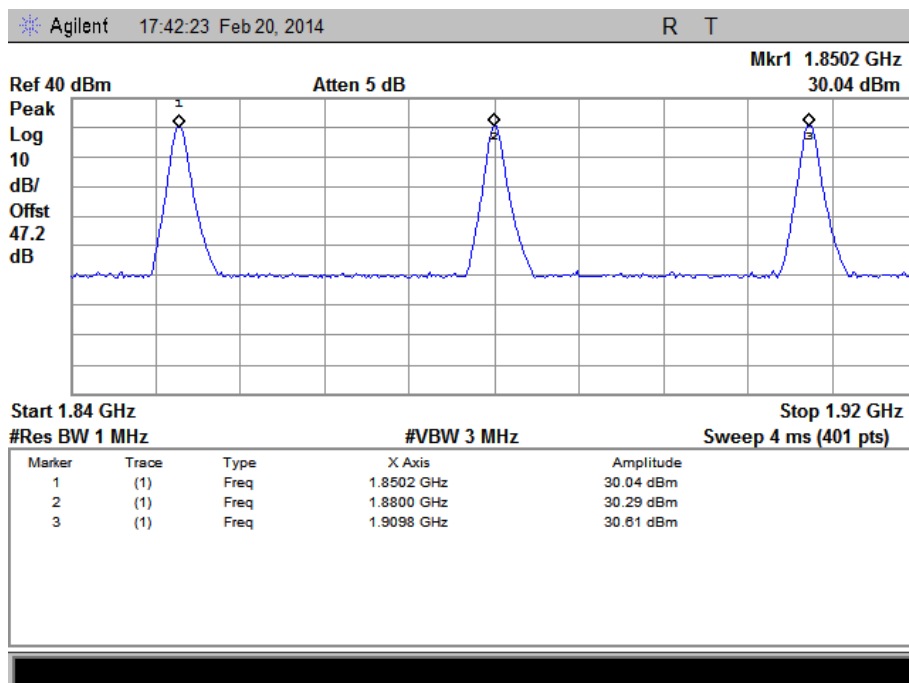
(Plot C: EGPRS 850MHz Channel = 128, 190, 251)



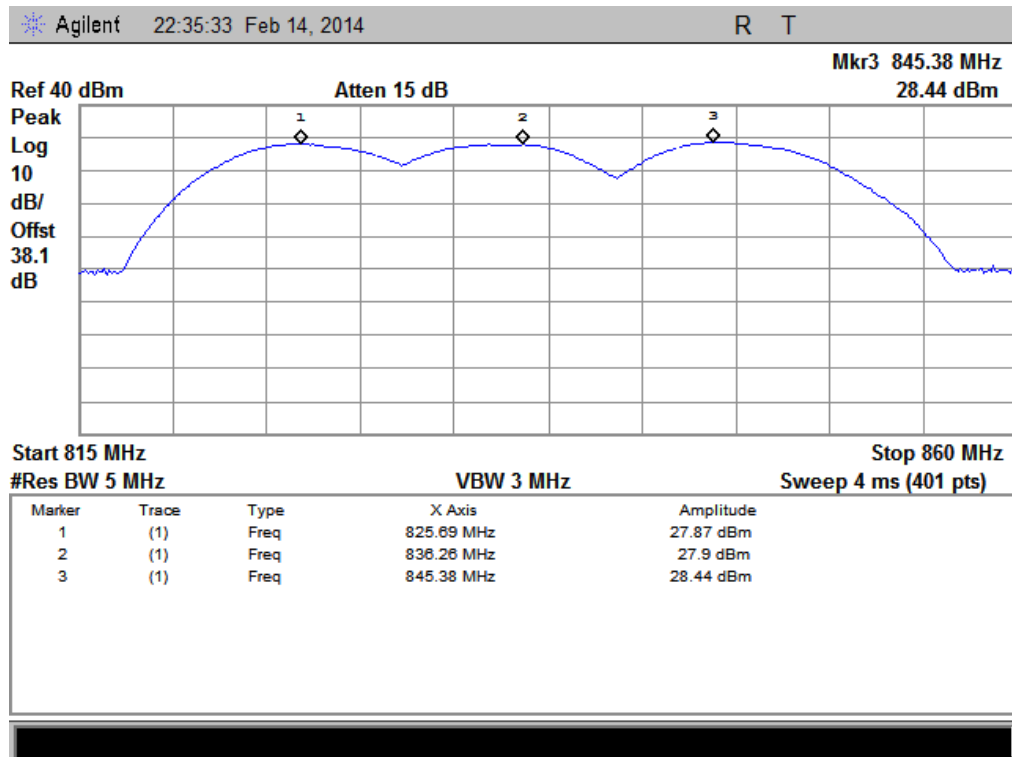
(Plot D: GSM 1900MHz Channel = 512, 661, 810)



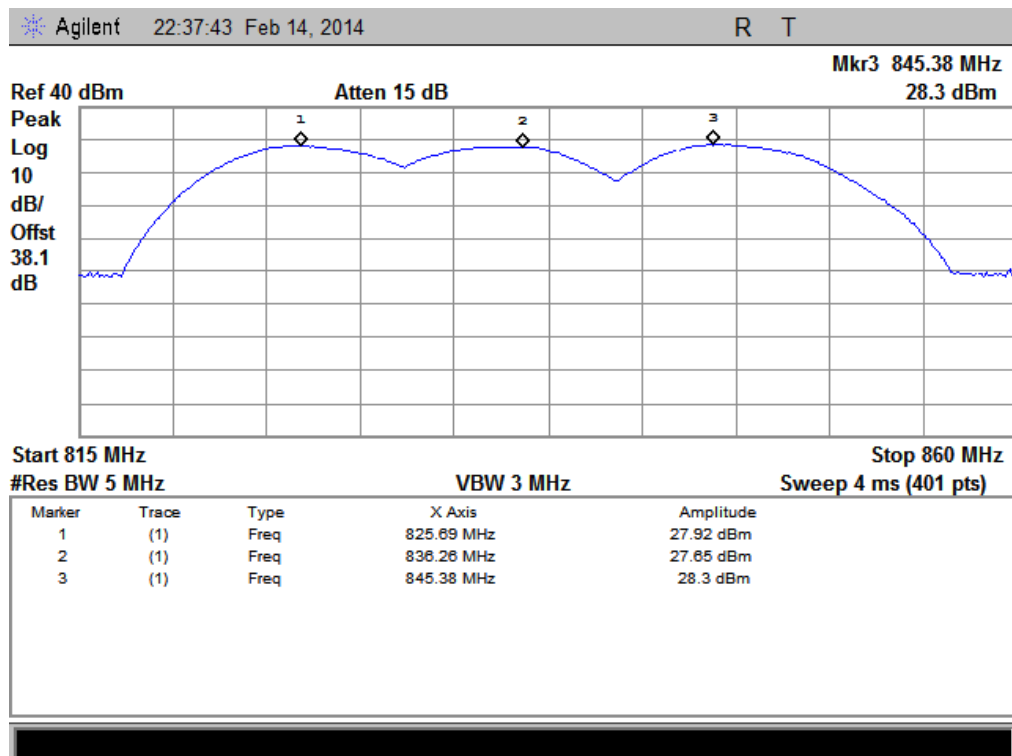
(Plot E: GPRS 1900MHz Channel = 512, 661, 810)



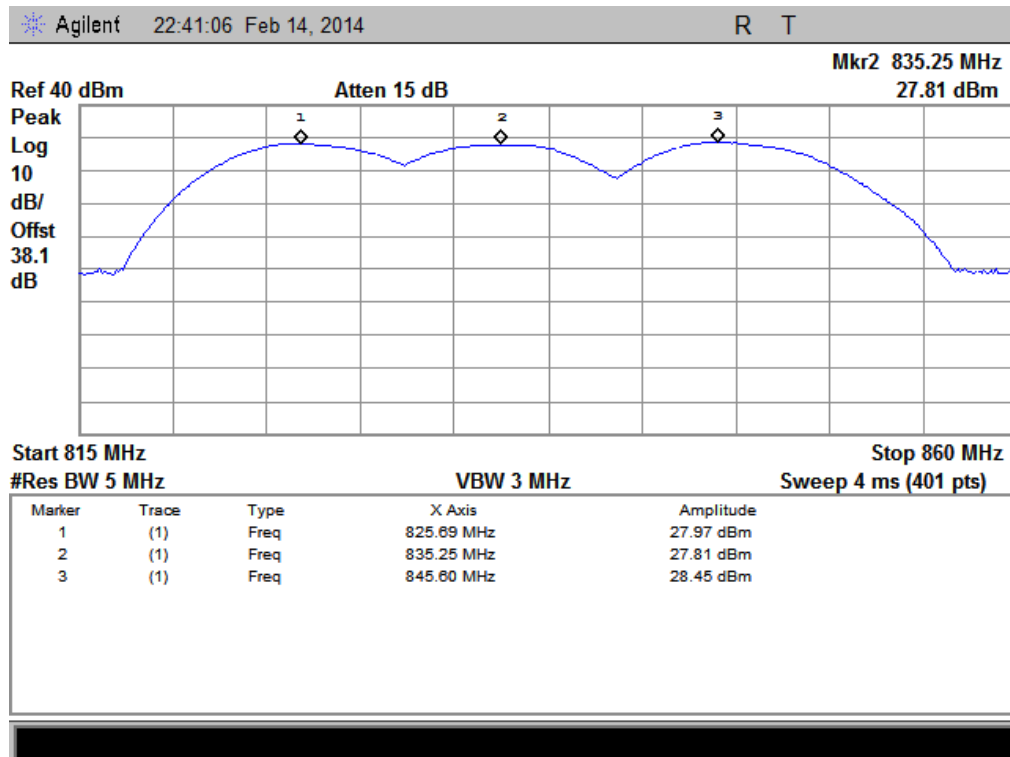
(Plot F: EGPRS 1900MHz Channel = 512, 661, 810)



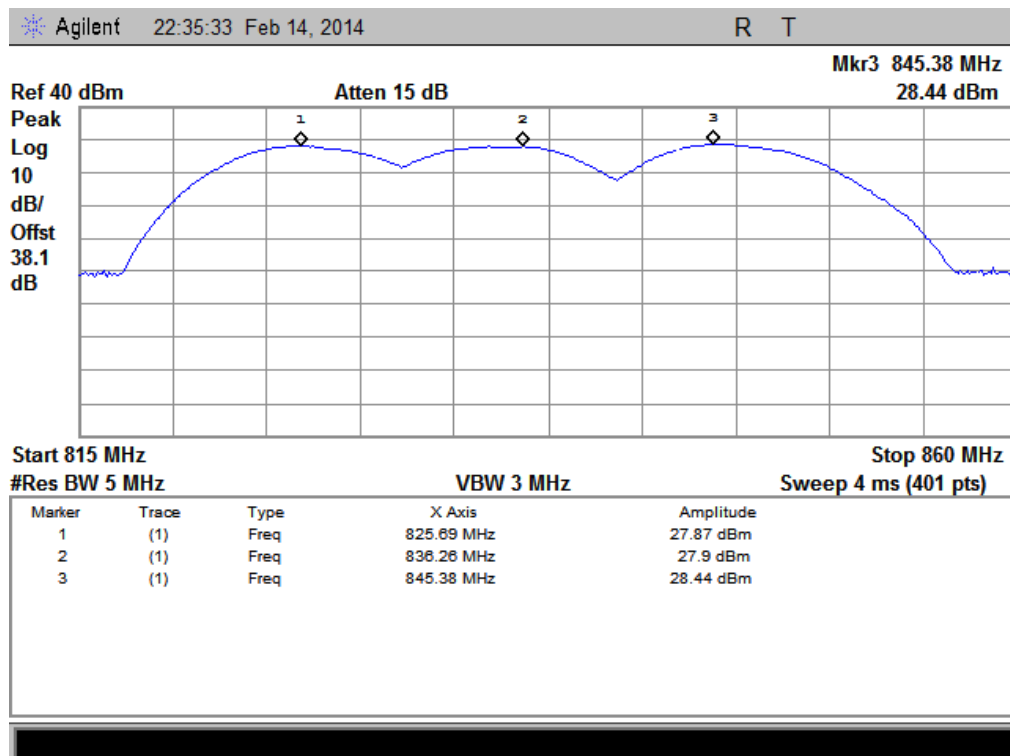
(Plot G: WCDMA 850 MHz Channel = 4132, 4175, 4233)



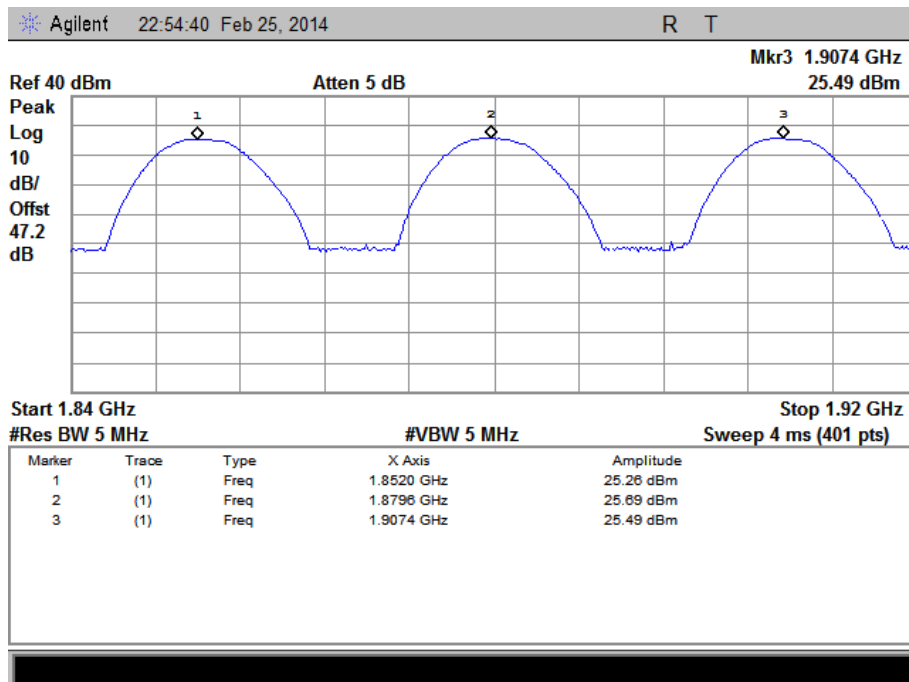
(Plot H: HSUPA 850 MHz Channel = 4132, 4175, 4233)



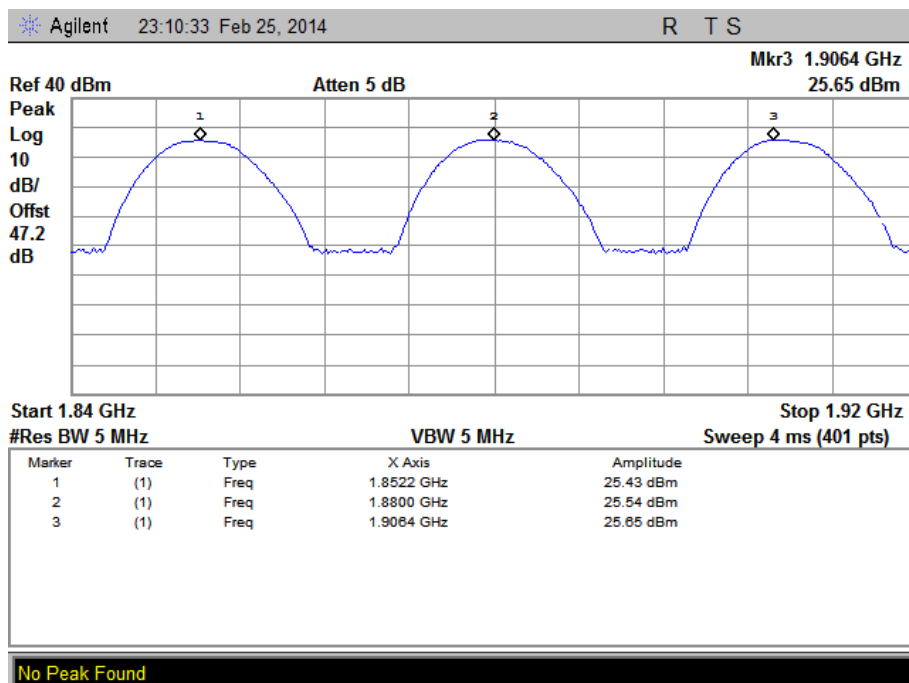
(Plot I: HSUPA 850 MHz Channel = 4132, 4175, 4233)



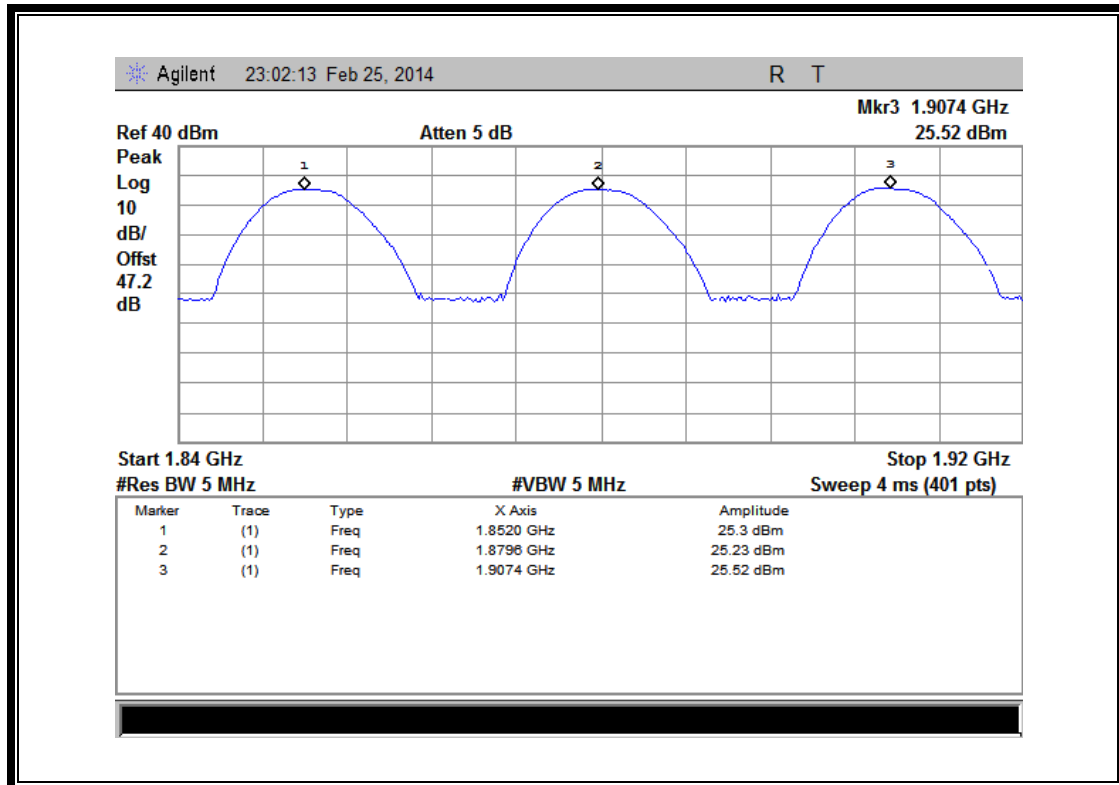
(Plot J: HSPA+ 850 MHz Channel = 4132, 4175, 4233)



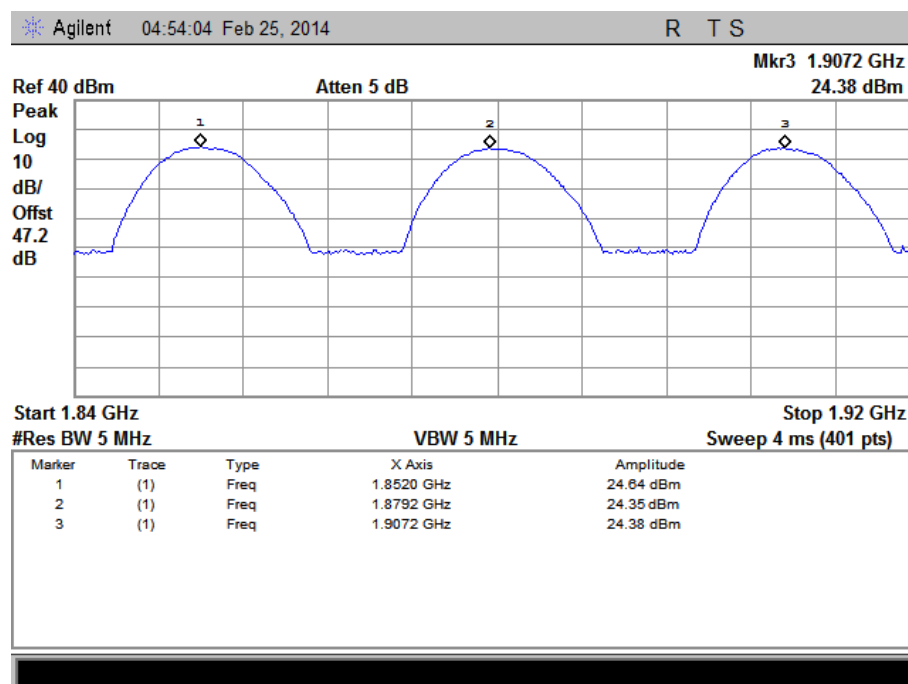
(Plot K: WCDMA1900 MHz Channel = 9262, 9400, 9538)



(Plot L: HSDPA1900 MHz Channel = 9262, 9400, 9538)



(Plot M: HSUPA1900 MHz Channel = 9262, 9400, 9538)



(Plot N: HSPA+1900 MHz Channel = 9262, 9400, 9538)

2.8 Radiated Out of Band Emissions

2.8.1 Requirement

According to FCC section 22.917(a) and section 24.238(a) the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43+10*\log(P)$ dB. This calculated to be -13dBm.

The spurious emission with frequency band 1900 according to FCC section 2.1057.

2.8.2 Test Description

See section 2.7.2 of this report.

Equipment List:

Description	Manufacturer	Model	Serial No.	Cal. Due Date
System Simulator	Agilent	E5515C	GB43130131	2014.06.10
Spectrum Analyzer	Agilent	E7405A	US44210471	2014.06.10
Full-Anechoic Chamber	Albatross~ Projects	12.8m*6.8m*6.4m	A0412372	2014.06.10
Double ridge horn antenna	R&S	HF906	A0304225	2014.06.10
Ultra-wideband antenna	R&S	HL562	A0304224	2014.06.10
Loop antenna	R&S	HFH2-Z2	A0304226	2014.06.10
Horn Antenna (18-26.5GHz)	R&S	UG-596A/U	A0902607	2014.06.10

Note: when doing measurements above 1GHz, the EUT has been within the 3dB cone width of the horn antenna during horizontal antenna.

2.8.3 Test Result

The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. The lowest, middle and highest channels are tested to verify the out of band emissions.



9. Test Verdict:

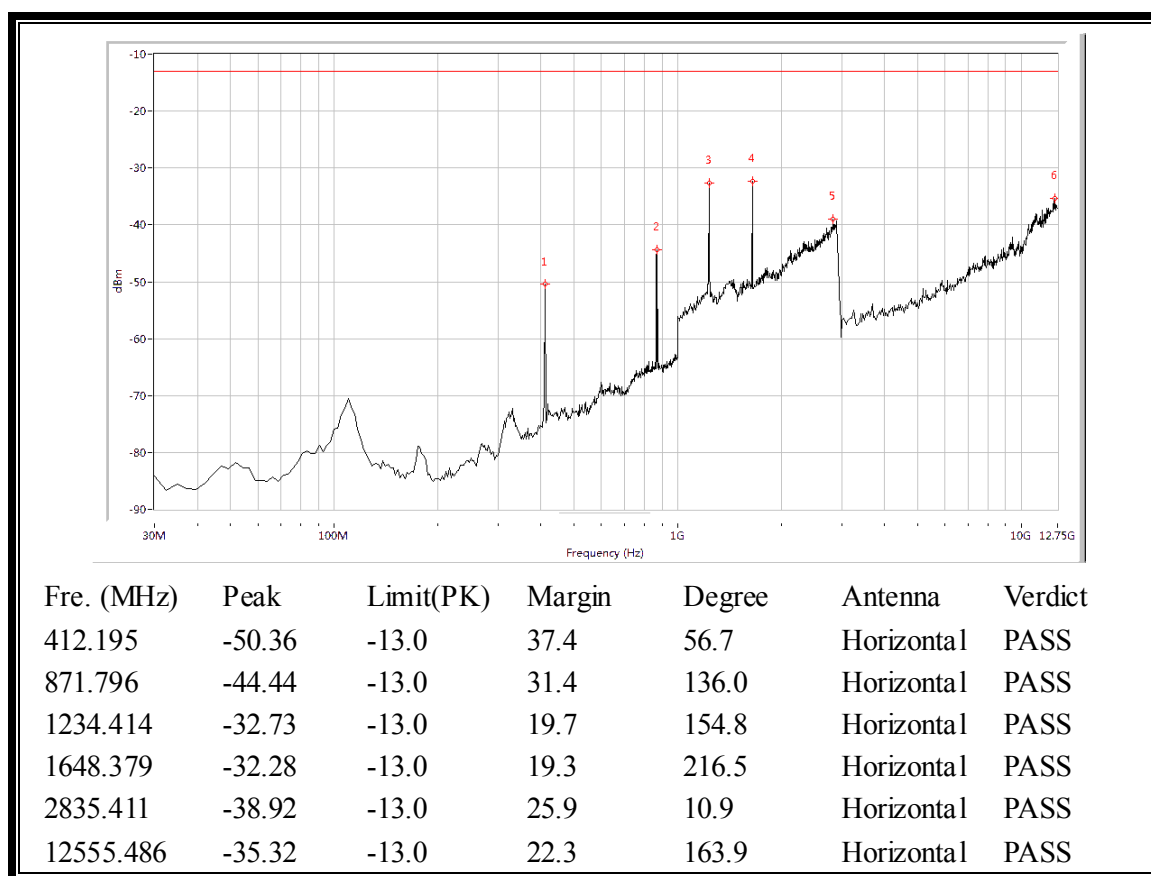
Band	Channel	Frequency (MHz)	Measured Max. Spurious Emission (dBm)		Refer to Plot	Limit (dBm)	Verdict
			Test Antenna Horizontal	Test Antenna Vertical			
GSM 850MHz	128	824.2	< -25	< -25	Plot A.1/A.2	-13	PASS
	190	836.6	< -25	< -25	Plot A.3/A.4		PASS
	251	848.8	< -25	< -25	Plot A.5/A.6		PASS
GSM 1900MHz	512	1850.2	< -25	< -25	Plot B.1/B.2	-13	PASS
	661	1880.0	< -25	< -25	Plot B.3/B.4		PASS
	810	1909.8	< -25	< -25	Plot B.5/B.6		PASS
EDGE 850MHz	128	824.2	< -25	< -25	Plot C.1/C.2	-13	PASS
	190	836.6	< -25	< -25	Plot C.3/C.4		PASS
	251	848.8	< -25	< -25	Plot C.5/C.6		PASS
EDGE 1900MHz	512	1850.2	< -25	< -25	Plot D.1/D.2	-13	PASS
	661	1880.0	< -25	< -25	Plot D.3/D.4		PASS
	810	1909.8	< -25	< -25	Plot D.5/D.6		PASS
WCDMA 850MHz	4132	826.4	< -25	< -25	Plot E.1/E.2	-13	PASS
	4175	835	< -25	< -25	Plot E.3/E.4		PASS
	4233	846.6	< -25	< -25	Plot E.5/E.6		PASS
WCDMA 1900MHz	9262	1852.4	< -25	< -25	Plot F.1/F.2	-13	PASS
	9400	1880	< -25	< -25	Plot F.3/F.4		PASS
	9538	1907.6	< -25	< -25	Plot F.5/F.6		PASS
HSDPA 850MHz	4132	826.4	< -25	< -25	Plot G.1/G.2	-13	PASS
	4175	835	< -25	< -25	Plot G.3/G.4		PASS
	4233	846.6	< -25	< -25	Plot G.5/G.6		PASS
HSDPA 1900MHz	9262	1852.4	< -25	< -25	Plot H.1/H.2	-13	PASS
	9400	1880	< -25	< -25	Plot H.3/H.4		PASS
	9538	1907.6	< -25	< -25	Plot H.5/H.6		PASS
HSUPA 850MHz	4132	826.4	< -25	< -25	Plot I.1/I.2	-13	PASS
	4175	835	< -25	< -25	Plot I.3/I.4		PASS
	4233	846.6	< -25	< -25	Plot I.5/I.6		PASS
HSUPA 1900MHz	9262	1852.4	< -25	< -25	Plot J.1/J.2	-13	PASS
	9400	1880	< -25	< -25	Plot J.3/J.4		PASS
	9538	1907.6	< -25	< -25	Plot J.5/J.6		PASS
HSPA+ 850MHz	4132	826.4	< -25	< -25	Plot K.1/K.2	-13	PASS
	4175	835	< -25	< -25	Plot K.3/K.4		PASS
	4233	846.6	< -25	< -25	Plot K.5/K.6		PASS
HSPA+ 1900MHz	9662	1852.4	< -25	< -25	Plot L.1/L.2	-13	PASS
	9800	1880	< -25	< -25	Plot L.3/L.4		PASS

Band	Channel	Frequency (MHz)	Measured Max. Spurious Emission (dBm)		Refer to Plot	Limit (dBm)	Verdict
			Test Antenna Horizontal	Test Antenna Vertical			
	9938	1907.6	< -25	< -25	Plot L.5/L.6		<u>PASS</u>

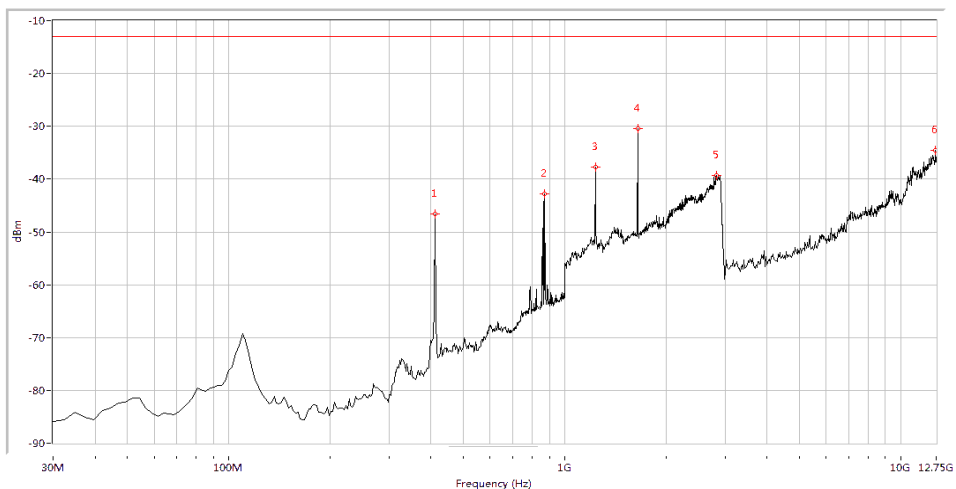
10. Test Plots for the Whole Measurement Frequency Range:

Note1: the power of the EUT transmitting frequency should be ignored.

Note2: All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

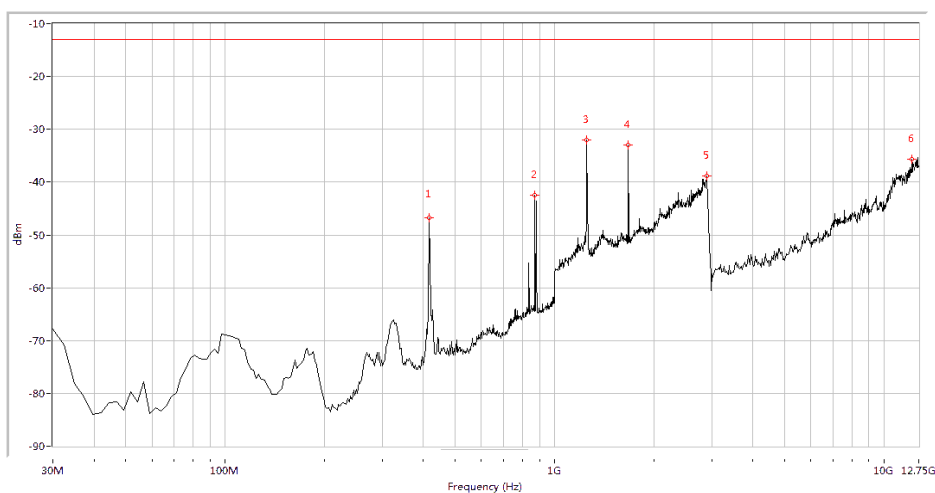


(Plot A.1: GSM 850MHz Channel = 128, Test Antenna Horizontal)



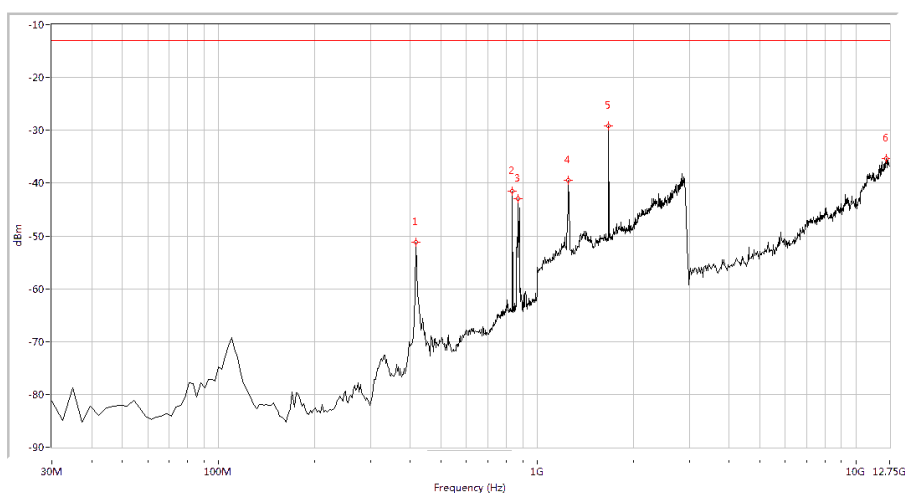
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
412.195	-46.56	-13.0	33.6	148.2	Vertical	PASS
871.796	-42.86	-13.0	29.9	239.0	Vertical	PASS
1234.414	-37.78	-13.0	24.8	323.0	Vertical	PASS
1648.379	-30.51	-13.0	17.5	360.0	Vertical	PASS
2825.436	-39.28	-13.0	26.3	19.8	Vertical	PASS
12701.372	-34.48	-13.0	21.5	360.0	Vertical	PASS

(Plot A.2: GSM 850MHz Channel = 128, Test Antenna Vertical)



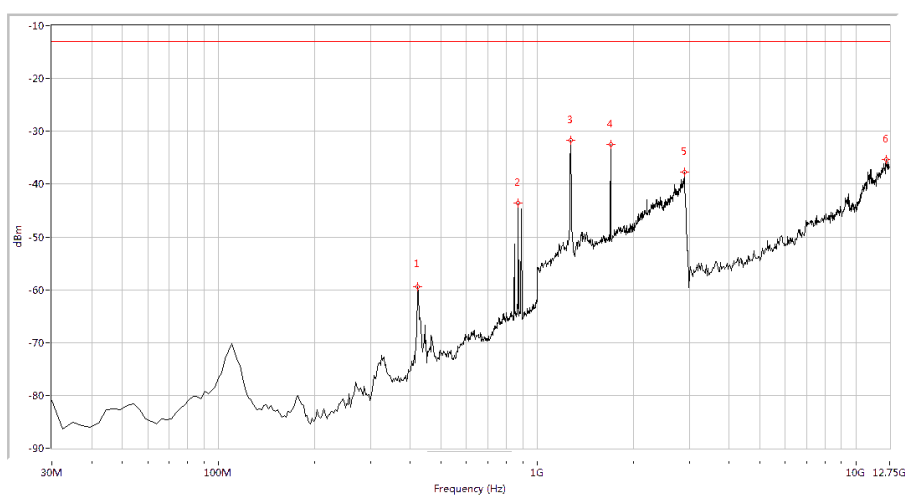
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
417.032	-46.71	-13.0	33.7	66.5	Horizontal	PASS
871.796	-42.48	-13.0	29.5	134.5	Horizontal	PASS
1254.364	-31.98	-13.0	19.0	137.4	Horizontal	PASS
1673.317	-33.00	-13.0	20.0	156.7	Horizontal	PASS
2900.249	-38.84	-13.0	25.8	166.4	Horizontal	PASS
12142.145	-35.59	-13.0	22.6	202.2	Horizontal	PASS

(Plot A.3: GSM 850MHz Channel = 190, Test Antenna Horizontal)



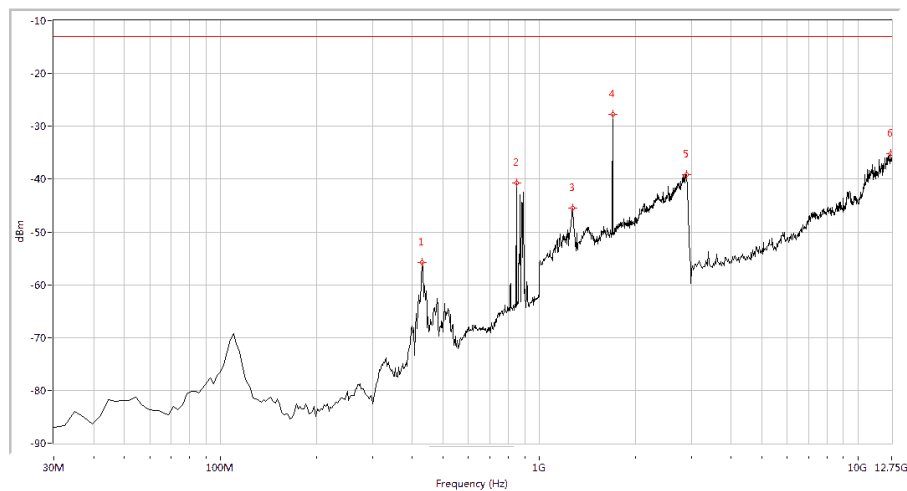
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
417.032	-51.13	-13.0	38.1	58.4	Vertical	PASS
835.511	-41.46	-13.0	28.5	170.7	Vertical	PASS
871.796	-42.93	-13.0	29.9	58.4	Vertical	PASS
1254.364	-39.54	-13.0	26.5	336.5	Vertical	PASS
1673.317	-29.17	-13.0	16.2	73.9	Vertical	PASS
12433.915	-35.35	-13.0	22.3	2.4	Vertical	PASS

(Plot A.4: GSM 850MHz Channel = 190, Test Antenna Vertical)



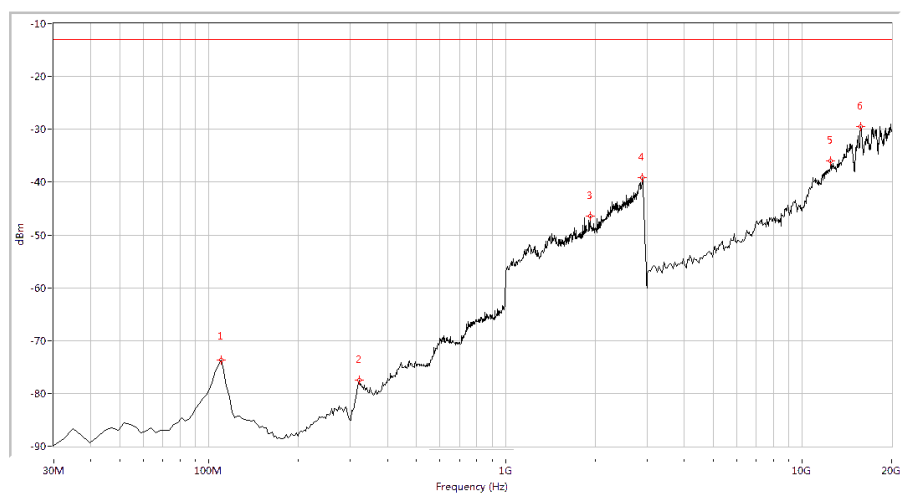
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
421.870	-59.35	-13.0	46.3	333.5	Horizontal	PASS
871.796	-43.61	-13.0	30.6	135.6	Horizontal	PASS
1274.314	-31.78	-13.0	18.8	134.7	Horizontal	PASS
1698.254	-32.45	-13.0	19.5	200.2	Horizontal	PASS
2895.262	-37.73	-13.0	24.7	90.8	Horizontal	PASS
12482.544	-35.40	-13.0	22.4	159.5	Horizontal	PASS

(Plot A.5: GSM 850MHz Channel = 251, Test Antenna Horizontal)



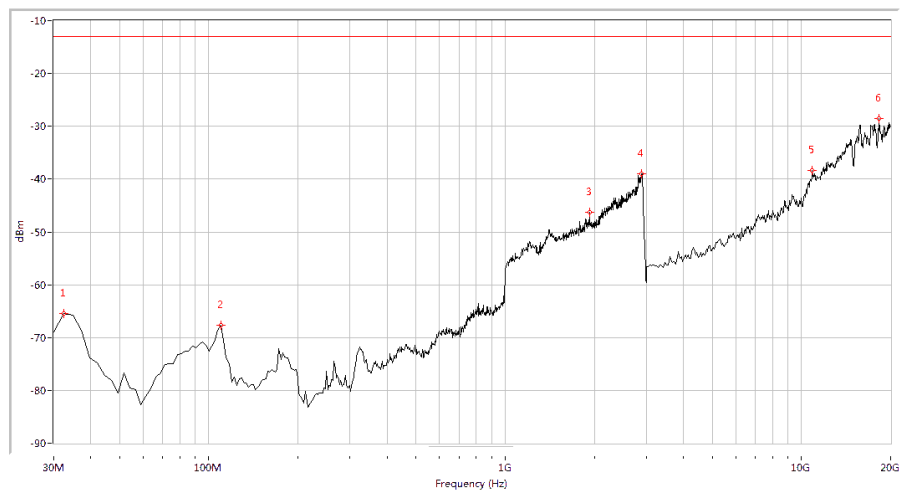
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
429.127	-55.84	-13.0	42.8	140.2	Vertical	PASS
847.606	-40.80	-13.0	27.8	359.6	Vertical	PASS
1274.314	-45.44	-13.0	32.4	360.0	Vertical	PASS
1698.254	-27.67	-13.0	14.7	297.8	Vertical	PASS
2890.274	-39.16	-13.0	26.2	181.0	Vertical	PASS
12701.372	-35.12	-13.0	22.1	262.6	Vertical	PASS

(Plot A.6: GSM 850MHz Channel = 251, Test Antenna Vertical)



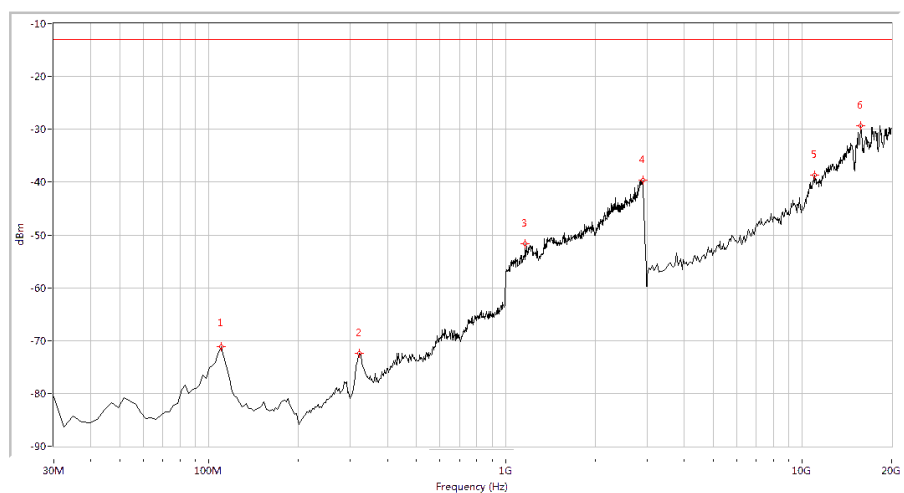
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-73.74	-13.0	60.7	0.1	Horizontal	PASS
320.274	-77.49	-13.0	64.5	182.1	Horizontal	PASS
1927.681	-46.46	-13.0	33.5	263.7	Horizontal	PASS
2890.274	-39.17	-13.0	26.2	346.9	Horizontal	PASS
12453.865	-35.97	-13.0	23.0	75.7	Horizontal	PASS
15718.204	-29.49	-13.0	16.5	8.8	Horizontal	PASS

(Plot B.1: GSM 1900MHz Channel = 512, Test Antenna Horizontal)



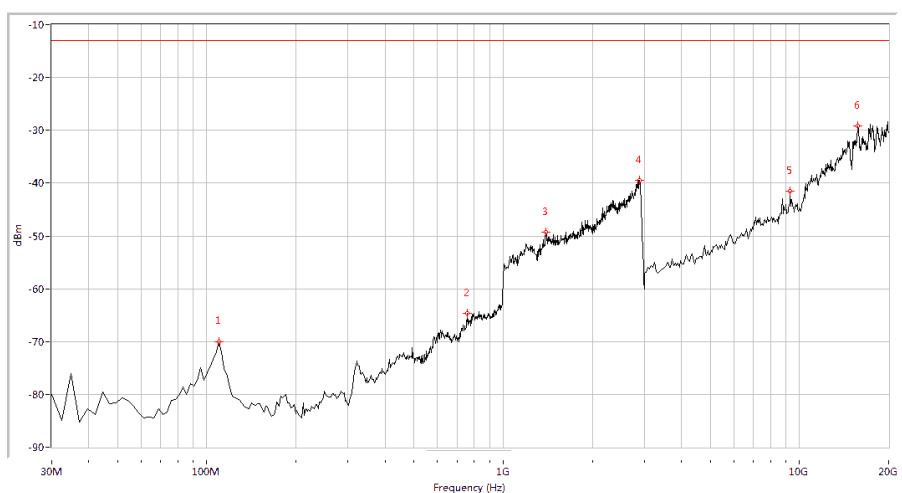
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
32.419	-65.40	-13.0	52.4	206.2	Vertical	PASS
109.825	-67.74	-13.0	54.7	174.2	Vertical	PASS
1927.681	-46.20	-13.0	33.2	226.7	Vertical	PASS
2895.262	-38.95	-13.0	25.9	281.8	Vertical	PASS
10885.287	-38.37	-13.0	25.4	226.5	Vertical	PASS
18304.239	-28.55	-13.0	15.6	276.4	Vertical	PASS

(Plot B.2: GSM 1900MHz Channel = 512, Test Antenna Vertical)



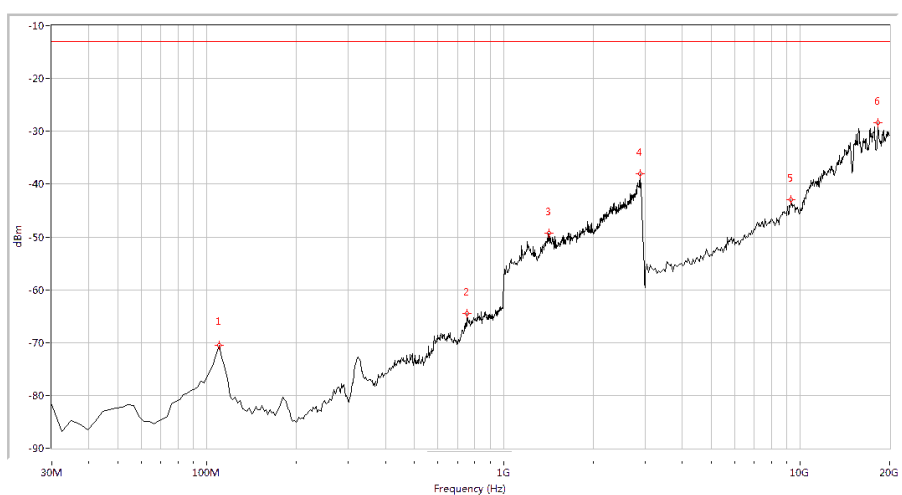
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-71.16	-13.0	58.2	180.3	Horizontal	PASS
320.274	-72.40	-13.0	59.4	235.0	Horizontal	PASS
1164.589	-51.67	-13.0	38.7	220.6	Horizontal	PASS
2900.249	-39.64	-13.0	26.6	299.4	Horizontal	PASS
10970.075	-38.63	-13.0	25.6	108.1	Horizontal	PASS
15760.599	-29.27	-13.0	16.3	99.9	Horizontal	PASS

(Plot B.3: GSM 1900MHz Channel = 661, Test Antenna Horizontal)



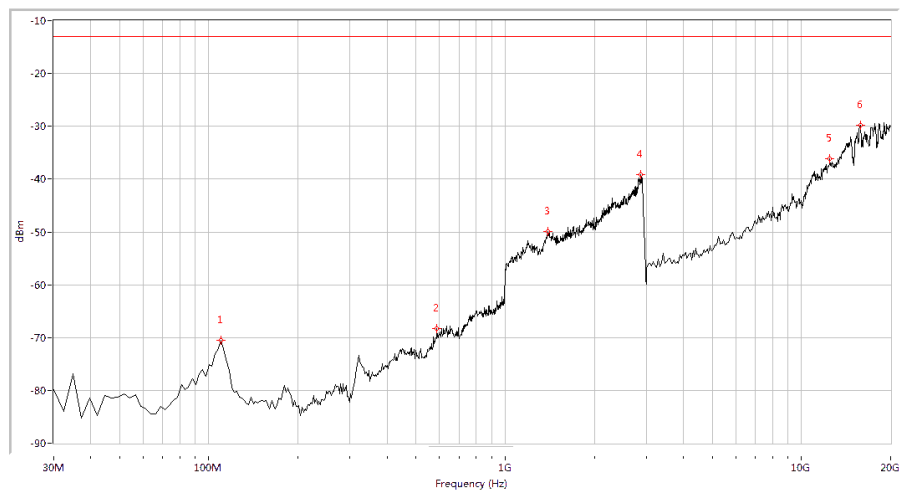
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-70.11	-13.0	57.1	30.9	Vertical	PASS
755.686	-64.69	-13.0	51.7	230.6	Vertical	PASS
1394.015	-49.28	-13.0	36.3	128.9	Vertical	PASS
2890.274	-39.51	-13.0	26.5	72.4	Vertical	PASS
9316.708	-41.47	-13.0	28.5	229.5	Vertical	PASS
15760.599	-29.19	-13.0	16.2	99.4	Vertical	PASS

(Plot B.4: GSM 1900MHz Channel = 661, Test Antenna Vertical)



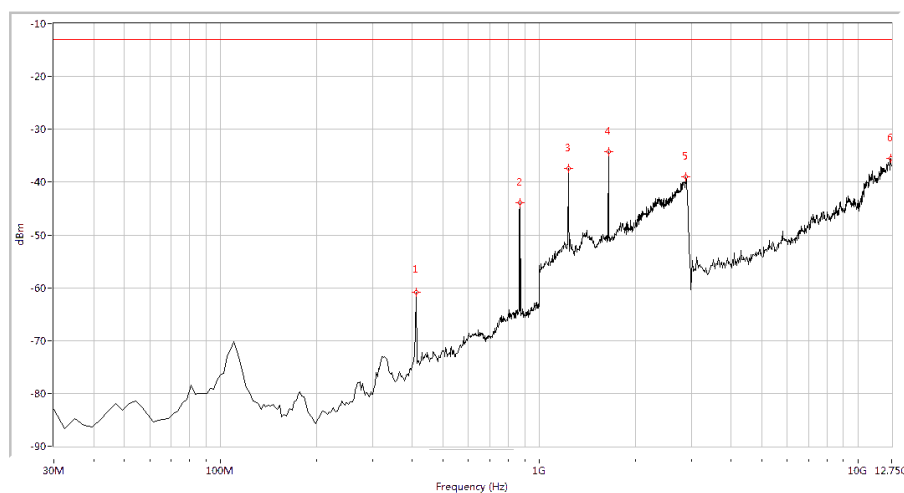
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-70.50	-13.0	57.5	349.9	Horizontal	PASS
753.267	-64.56	-13.0	51.6	227.9	Horizontal	PASS
1423.940	-49.29	-13.0	36.3	356.1	Horizontal	PASS
2880.299	-38.00	-13.0	25.0	272.6	Horizontal	PASS
9316.708	-42.98	-13.0	30.0	93.2	Horizontal	PASS
18304.239	-28.39	-13.0	15.4	-0.0	Horizontal	PASS

(Plot B.5: GSM 1900MHz Channel = 810, Test Antenna Horizontal)



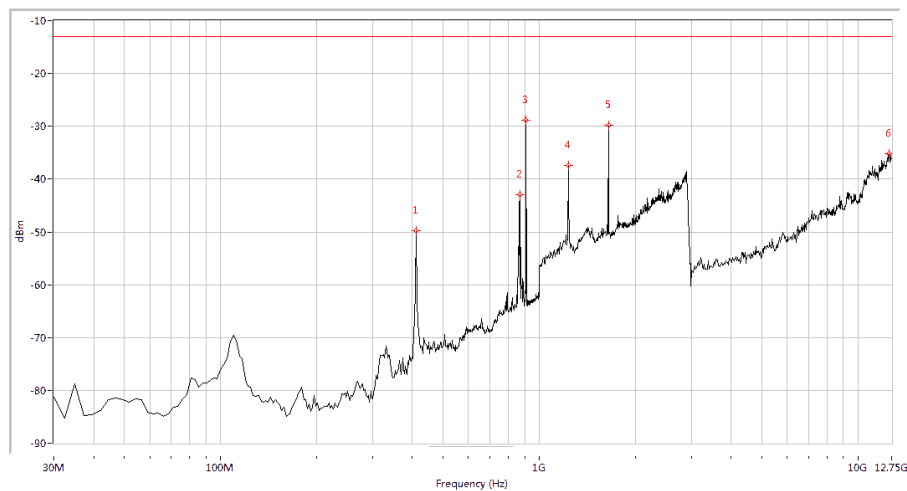
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-70.48	-13.0	57.5	196.5	Vertical	PASS
588.778	-68.25	-13.0	55.3	356.5	Vertical	PASS
1394.015	-49.89	-13.0	36.9	115.5	Vertical	PASS
2865.337	-39.22	-13.0	26.2	109.2	Vertical	PASS
12453.865	-36.22	-13.0	23.2	164.8	Vertical	PASS
15802.993	-29.84	-13.0	16.8	108.3	Vertical	PASS

(Plot B.6: GSM 1900MHz Channel = 810, Test Antenna Vertical)



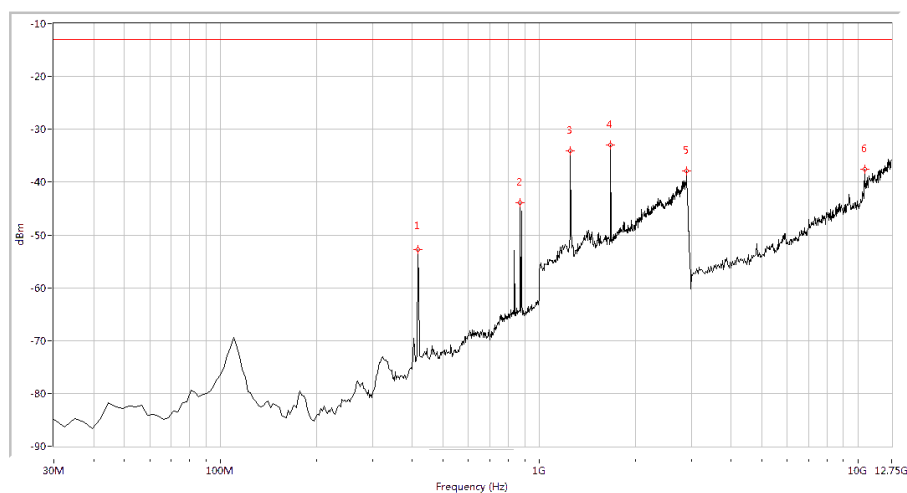
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
412.195	-60.91	-13.0	47.9	341.8	Horizontal	PASS
871.796	-43.88	-13.0	30.9	128.4	Horizontal	PASS
1234.414	-37.48	-13.0	24.5	19.1	Horizontal	PASS
1648.379	-34.31	-13.0	21.3	211.1	Horizontal	PASS
2880.299	-38.96	-13.0	26.0	280.7	Horizontal	PASS
12652.743	-35.54	-13.0	22.5	73.3	Horizontal	PASS

(Plot C.1: EGPRS 850MHz Channel = 128, Test Antenna Horizontal)



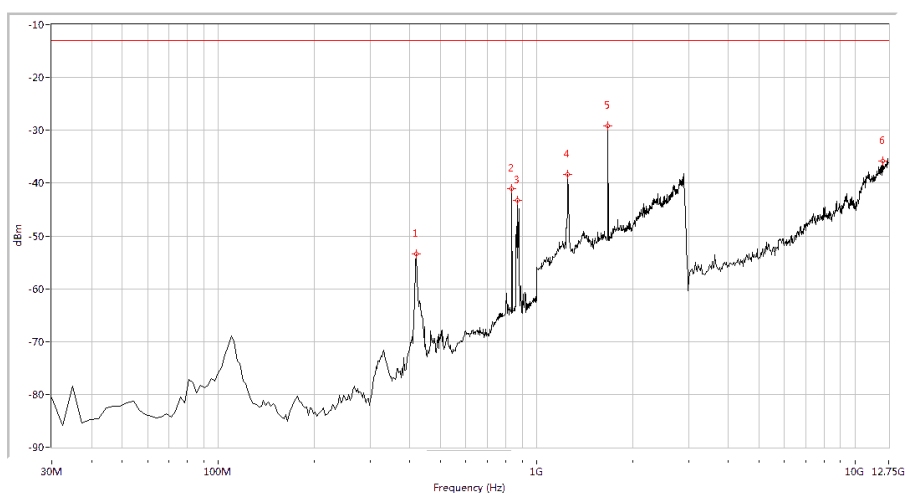
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
412.195	-49.71	-13.0	36.7	247.1	Vertical	PASS
871.796	-42.89	-13.0	29.9	236.6	Vertical	PASS
910.499	-28.90	-13.0	15.9	129.5	Vertical	PASS
1234.414	-37.41	-13.0	24.4	1.2	Vertical	PASS
1648.379	-29.80	-13.0	16.8	350.6	Vertical	PASS
12555.486	-35.14	-13.0	22.1	286.9	Vertical	PASS

(Plot C.2: EGPRS 850MHz Channel = 128, Test Antenna Vertical)



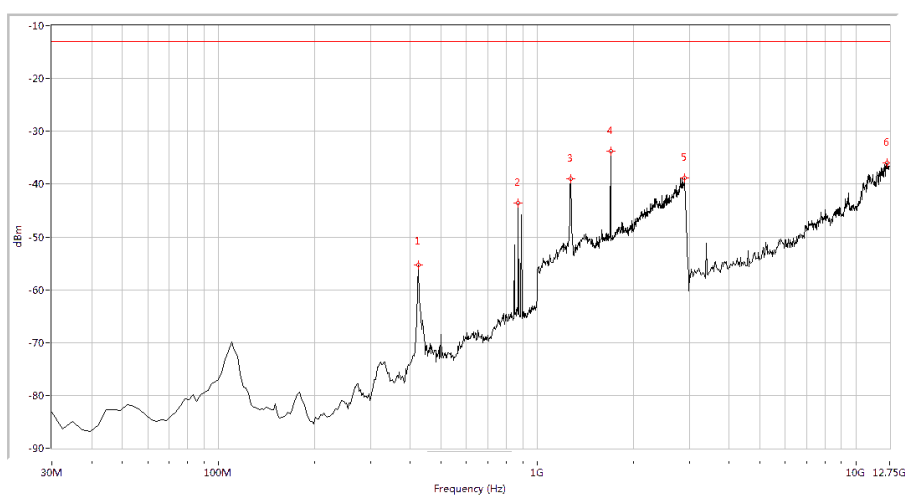
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
417.032	-52.81	-13.0	39.8	84.5	Horizontal	PASS
871.796	-43.83	-13.0	30.8	130.2	Horizontal	PASS
1254.364	-34.03	-13.0	21.0	-0.0	Horizontal	PASS
1673.317	-32.95	-13.0	20.0	166.9	Horizontal	PASS
2900.249	-37.87	-13.0	24.9	7.0	Horizontal	PASS
10488.778	-37.57	-13.0	24.6	254.3	Horizontal	PASS

(Plot C.3: EGPRS 850MHz Channel = 190, Test Antenna Horizontal)



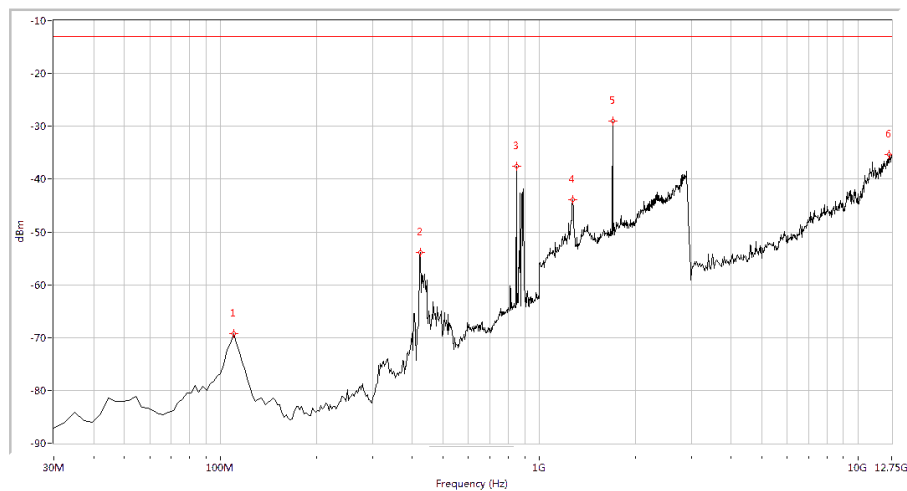
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
419.451	-53.44	-13.0	40.4	120.3	Vertical	PASS
835.511	-40.98	-13.0	28.0	153.4	Vertical	PASS
871.796	-43.22	-13.0	30.2	241.2	Vertical	PASS
1254.364	-38.28	-13.0	25.3	360.0	Vertical	PASS
1673.317	-29.13	-13.0	16.1	313.2	Vertical	PASS
12215.087	-35.85	-13.0	22.9	177.3	Vertical	PASS

(Plot C.4: EGPRS 850MHz Channel = 190, Test Antenna Vertical)



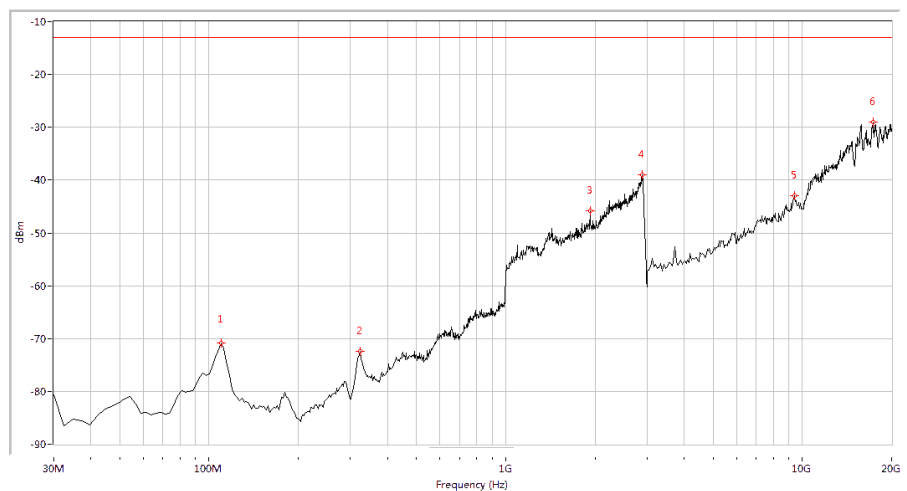
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
424.289	-55.34	-13.0	42.3	355.9	Horizontal	PASS
871.796	-43.51	-13.0	30.5	139.5	Horizontal	PASS
1274.314	-38.92	-13.0	25.9	212.9	Horizontal	PASS
1698.254	-33.81	-13.0	20.8	231.9	Horizontal	PASS
2895.262	-38.88	-13.0	25.9	359.5	Horizontal	PASS
12555.486	-35.97	-13.0	23.0	0.9	Horizontal	PASS

(Plot C.5: EGPRS 850MHz Channel = 251, Test Antenna Horizontal)



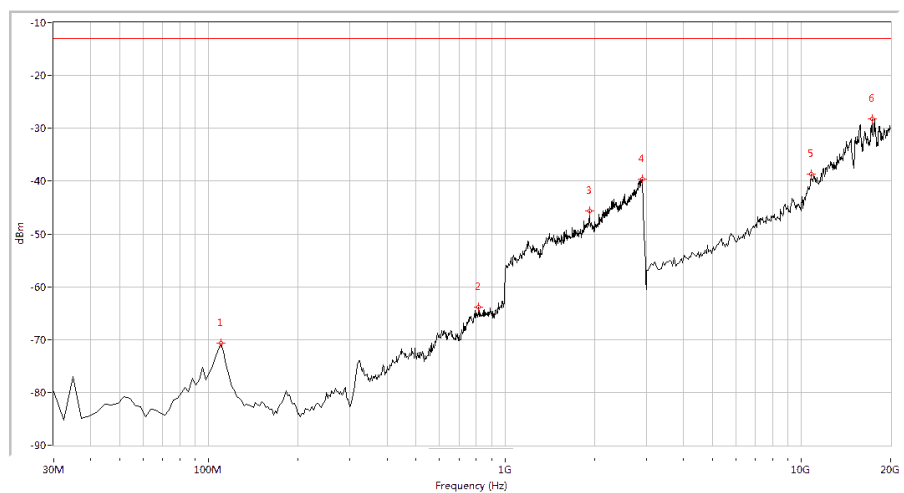
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-69.20	-13.0	56.2	1.5	Vertical	PASS
424.289	-53.91	-13.0	40.9	137.5	Vertical	PASS
847.606	-37.61	-13.0	24.6	170.2	Vertical	PASS
1274.314	-43.85	-13.0	30.9	360.0	Vertical	PASS
1698.254	-28.99	-13.0	16.0	306.1	Vertical	PASS
12555.486	-35.30	-13.0	22.3	161.4	Vertical	PASS

(Plot C.6: EGPRS 850MHz Channel = 251, Test Antenna Vertical)



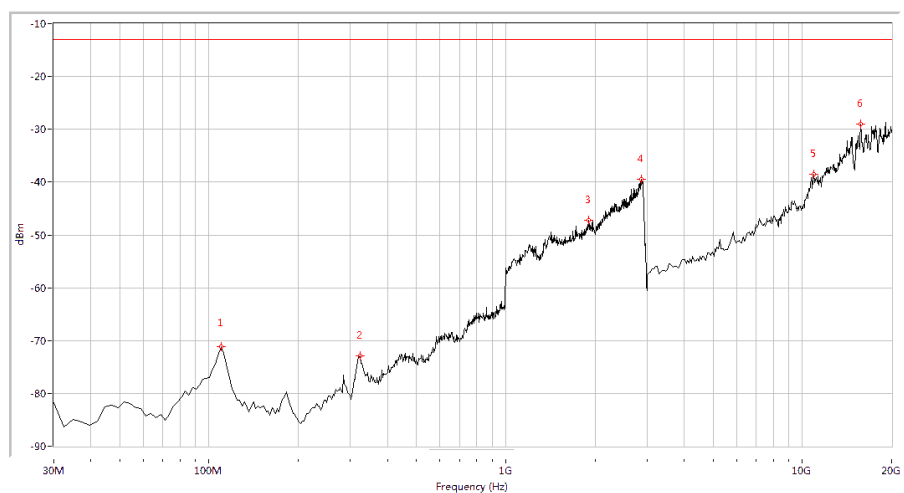
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-70.89	-13.0	57.9	357.9	Horizontal	PASS
322.693	-72.48	-13.0	59.5	144.0	Horizontal	PASS
1927.681	-45.77	-13.0	32.8	339.4	Horizontal	PASS
2880.299	-39.00	-13.0	26.0	281.8	Horizontal	PASS
9401.496	-43.03	-13.0	30.0	50.7	Horizontal	PASS
17286.783	-28.98	-13.0	16.0	360.0	Horizontal	PASS

(Plot D.1: EGPRS 1900MHz Channel = 512, Test Antenna Horizontal)



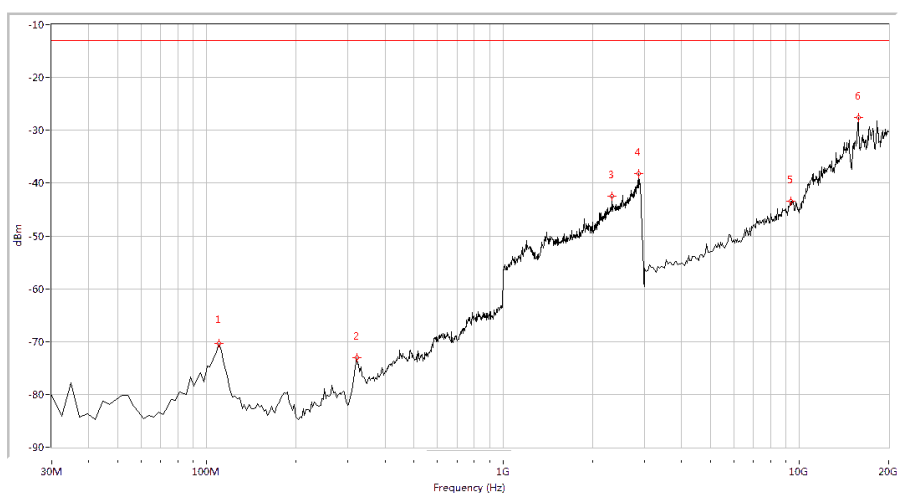
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-70.66	-13.0	57.7	303.0	Vertical	PASS
813.741	-63.91	-13.0	50.9	345.8	Vertical	PASS
1927.681	-45.68	-13.0	32.7	69.6	Vertical	PASS
2905.237	-39.69	-13.0	26.7	84.5	Vertical	PASS
10758.105	-38.73	-13.0	25.7	-0.0	Vertical	PASS
17286.783	-28.24	-13.0	15.2	-0.0	Vertical	PASS

(Plot D.2: EGPRS 1900MHz Channel = 512, Test Antenna Vertical)



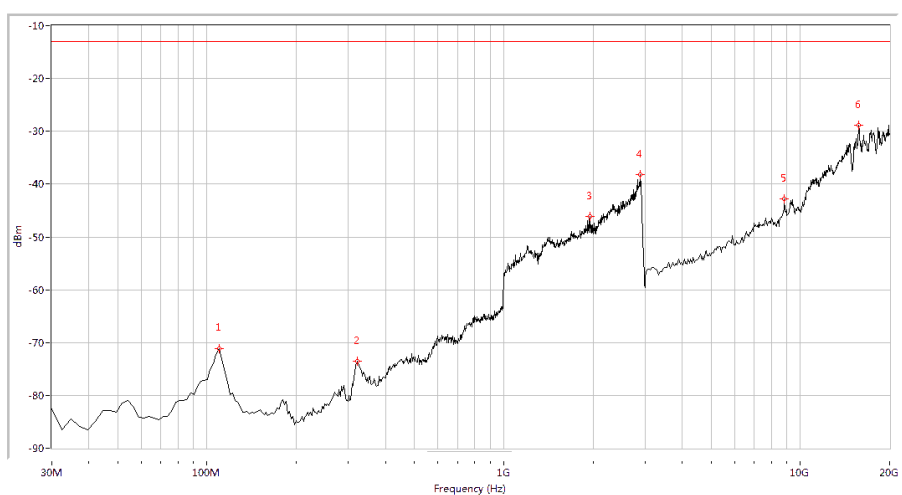
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-71.10	-13.0	58.1	0.1	Horizontal	PASS
322.693	-72.93	-13.0	59.9	236.0	Horizontal	PASS
1907.731	-47.17	-13.0	34.2	211.3	Horizontal	PASS
2875.312	-39.44	-13.0	26.4	291.9	Horizontal	PASS
10927.681	-38.56	-13.0	25.6	0.8	Horizontal	PASS
15760.599	-29.06	-13.0	16.1	51.5	Horizontal	PASS

(Plot D.3: EGPRS 1900MHz Channel = 661, Test Antenna Horizontal)



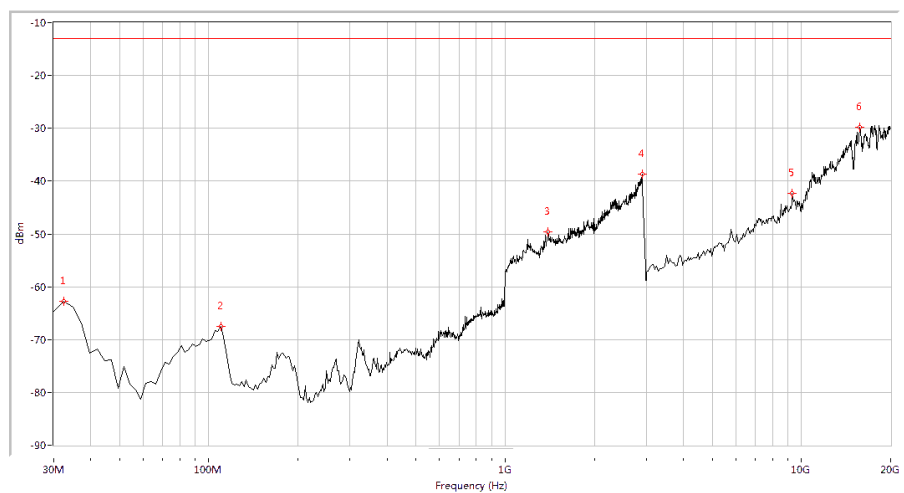
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-70.35	-13.0	57.4	75.7	Vertical	PASS
320.274	-73.09	-13.0	60.1	70.9	Vertical	PASS
2331.671	-42.41	-13.0	29.4	142.2	Vertical	PASS
2865.337	-38.27	-13.0	25.3	272.7	Vertical	PASS
9359.102	-43.47	-13.0	30.5	63.9	Vertical	PASS
15802.993	-27.61	-13.0	14.6	80.6	Vertical	PASS

(Plot D.4: EGPRS 1900MHz Channel = 661, Test Antenna Vertical)



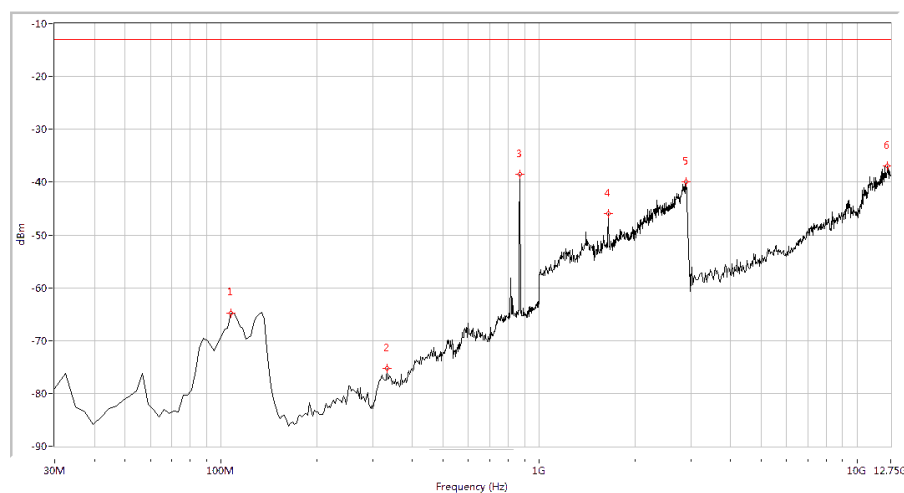
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-71.07	-13.0	58.1	243.4	Horizontal	PASS
320.274	-73.47	-13.0	60.5	127.7	Horizontal	PASS
1957.606	-46.09	-13.0	33.1	101.1	Horizontal	PASS
2890.274	-38.17	-13.0	25.2	26.7	Horizontal	PASS
8850.374	-42.83	-13.0	29.8	272.6	Horizontal	PASS
15760.599	-28.88	-13.0	15.9	167.8	Horizontal	PASS

(Plot D.5: EGPRS 1900MHz Channel = 810, Test Antenna Horizontal)



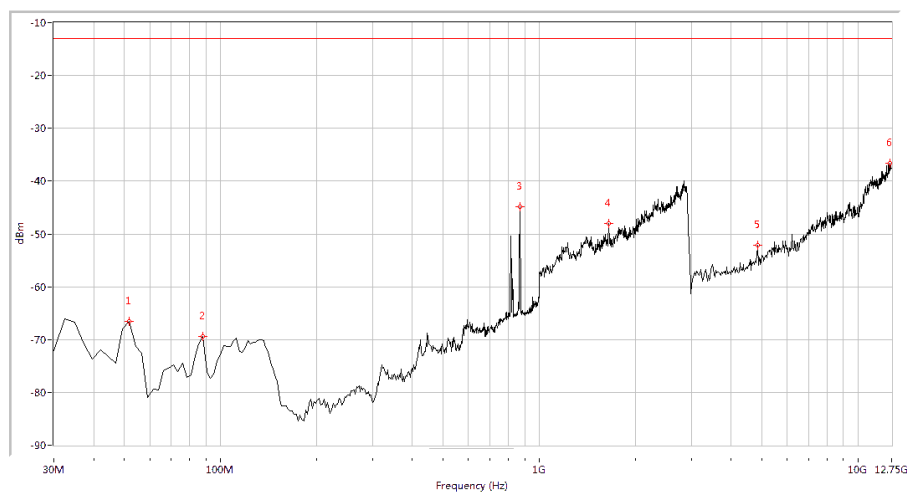
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
32.419	-62.73	-13.0	49.7	0.3	Vertical	PASS
109.825	-67.44	-13.0	54.4	340.6	Vertical	PASS
1394.015	-49.67	-13.0	36.7	153.3	Vertical	PASS
2900.249	-38.74	-13.0	25.7	119.4	Vertical	PASS
9316.708	-42.39	-13.0	29.4	62.0	Vertical	PASS
15760.599	-29.72	-13.0	16.7	317.9	Vertical	PASS

(Plot D.6: EGPRS 1900MHz Channel = 810, Test Antenna Vertical)



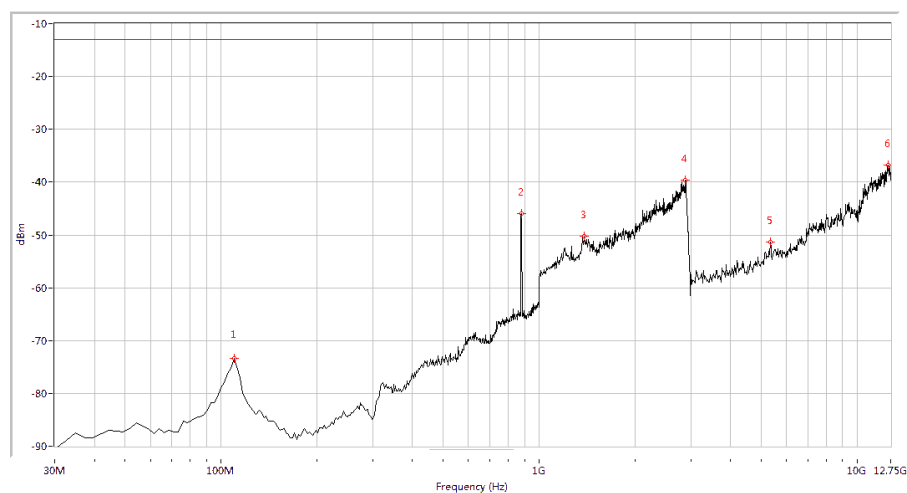
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
107.406	-64.75	-13.0	51.7	125.6	Horizontal	<u>PASS</u>
332.369	-75.19	-13.0	62.2	320.2	Horizontal	<u>PASS</u>
871.796	-38.55	-13.0	25.6	214.7	Horizontal	<u>PASS</u>
1648.379	-45.94	-13.0	32.9	52.8	Horizontal	<u>PASS</u>
2890.274	-39.98	-13.0	27.0	2.0	Horizontal	<u>PASS</u>
12482.544	-36.90	-13.0	23.9	63.9	Horizontal	<u>PASS</u>

(Plot E.1: WCDMA 850MHz Channel = 4132, Test Antenna Horizontal)



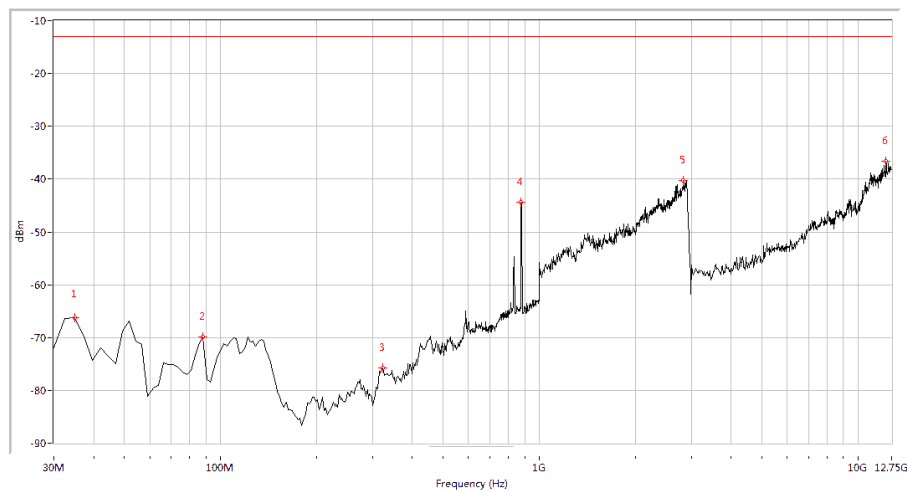
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
51.771	-66.49	-13.0	53.5	63.4	Vertical	<u>PASS</u>
88.055	-69.47	-13.0	56.5	210.5	Vertical	<u>PASS</u>
871.796	-44.82	-13.0	31.8	96.4	Vertical	<u>PASS</u>
1648.379	-47.95	-13.0	35.0	123.1	Vertical	<u>PASS</u>
4847.880	-52.17	-13.0	39.2	52.3	Vertical	<u>PASS</u>
12628.429	-36.63	-13.0	23.6	323.7	Vertical	<u>PASS</u>

(Plot E.2: WCDMA 850MHz Channel = 4132, Test Antenna Vertical)



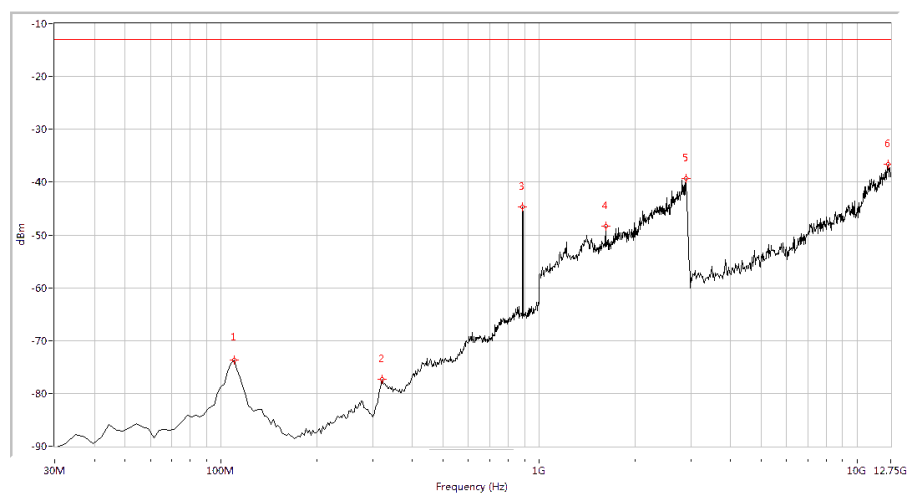
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-73.36	-13.0	60.4	74.3	Horizontal	<u>PASS</u>
879.052	-45.95	-13.0	33.0	152.6	Horizontal	<u>PASS</u>
1389.027	-50.21	-13.0	37.2	96.0	Horizontal	<u>PASS</u>
2885.287	-39.64	-13.0	26.6	214.2	Horizontal	<u>PASS</u>
5334.165	-51.38	-13.0	38.4	32.5	Horizontal	<u>PASS</u>
12555.486	-36.82	-13.0	23.8	0.0	Horizontal	<u>PASS</u>

(Plot E.3: WCDMA 850MHz Channel = 4175, Test Antenna Horizontal)



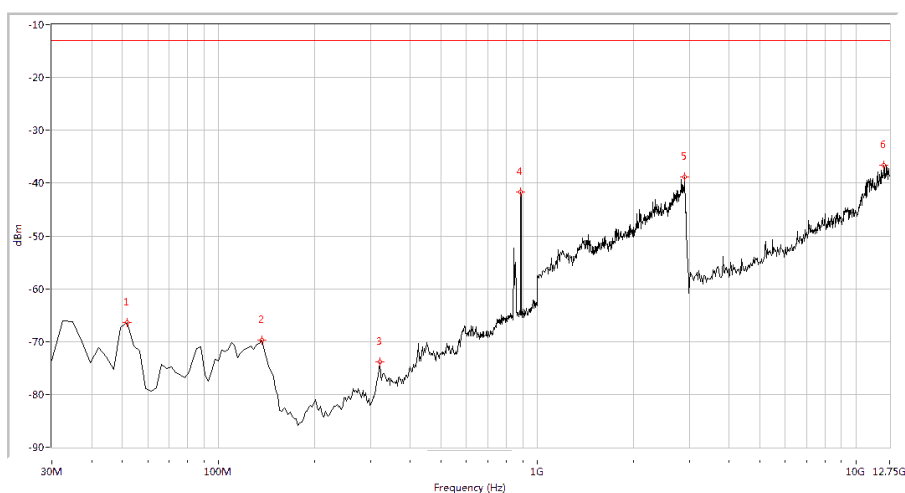
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-66.22	-13.0	53.2	0.0	Vertical	<u>PASS</u>
88.055	-69.90	-13.0	56.9	85.1	Vertical	<u>PASS</u>
322.693	-75.78	-13.0	62.8	162.3	Vertical	<u>PASS</u>
876.633	-44.34	-13.0	31.3	241.5	Vertical	<u>PASS</u>
2830.424	-40.25	-13.0	27.3	36.0	Vertical	<u>PASS</u>
12239.401	-36.60	-13.0	23.6	8.6	Vertical	<u>PASS</u>

(Plot E.4: WCDMA 850MHz Channel = 4175, Test Antenna Vertical)



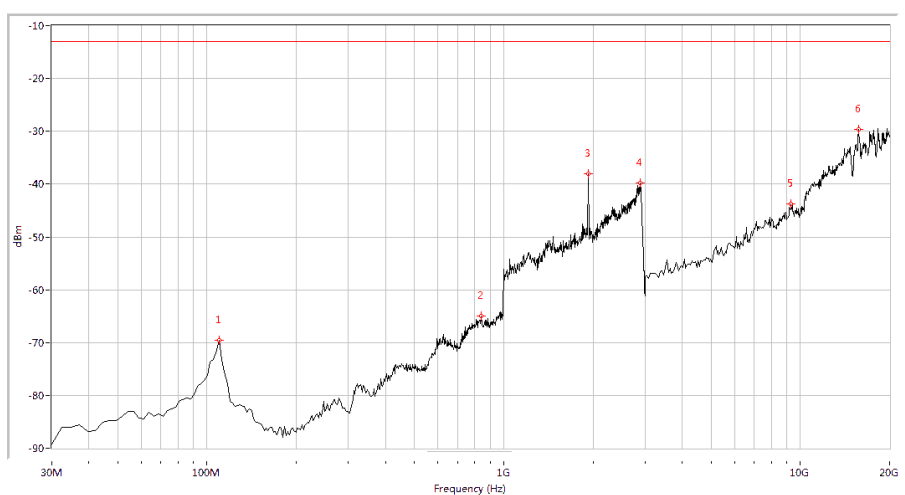
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-73.64	-13.0	60.6	15.2	Horizontal	<u>PASS</u>
320.274	-77.38	-13.0	64.4	63.4	Horizontal	<u>PASS</u>
888.728	-44.72	-13.0	31.7	98.1	Horizontal	<u>PASS</u>
1618.454	-48.37	-13.0	35.4	124.6	Horizontal	<u>PASS</u>
2900.249	-39.34	-13.0	26.3	241.0	Horizontal	<u>PASS</u>
12555.486	-36.55	-13.0	23.6	323.7	Horizontal	<u>PASS</u>

(Plot E.5: WCDMA 850MHz Channel = 4233, Test Antenna Horizontal)



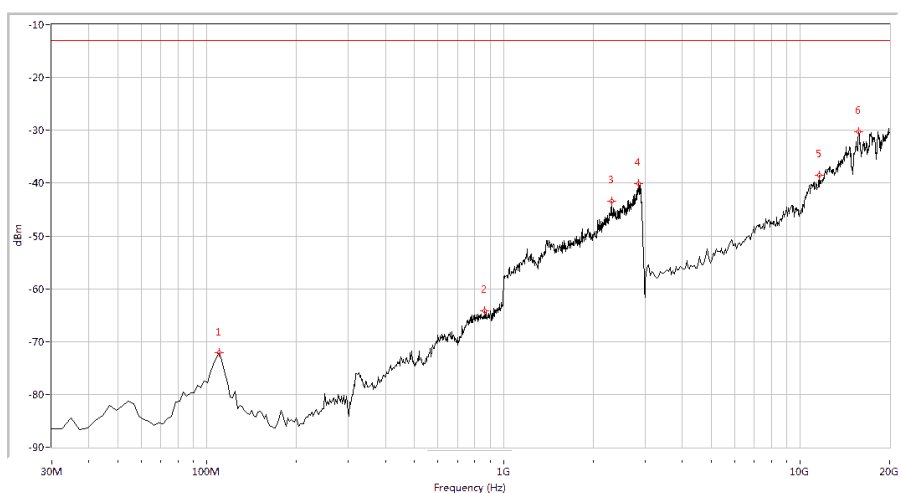
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
51.771	-66.46	-13.0	53.5	152.0	Vertical	<u>PASS</u>
136.434	-69.67	-13.0	56.7	326.9	Vertical	<u>PASS</u>
320.274	-73.90	-13.0	60.9	74.8	Vertical	<u>PASS</u>
888.728	-41.74	-13.0	28.7	32.2	Vertical	<u>PASS</u>
2895.262	-38.81	-13.0	25.8	54.6	Vertical	<u>PASS</u>
12239.401	-36.57	-13.0	23.6	120.3	Vertical	<u>PASS</u>

(Plot E.6: WCDMA 850MHz Channel = 4233, Test Antenna Vertical)



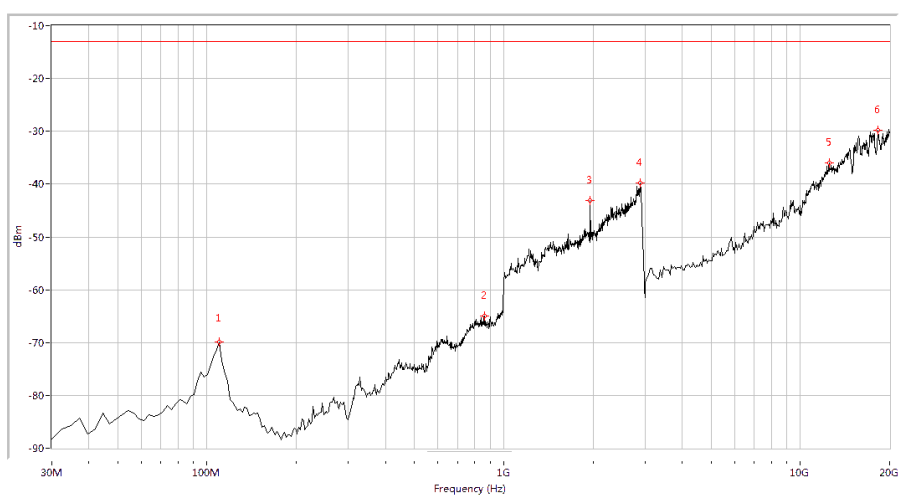
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-69.52	-13.0	56.5	167.5	Horizontal	PASS
842.768	-64.99	-13.0	52.0	65.8	Horizontal	PASS
1927.681	-37.96	-13.0	25.0	256.8	Horizontal	PASS
2895.262	-39.80	-13.0	26.8	139.4	Horizontal	PASS
9316.708	-43.73	-13.0	30.7	54.6	Horizontal	PASS
15718.204	-29.67	-13.0	16.7	28.2	Horizontal	PASS

(Plot F.1: WCDMA 1900MHz Channel = 9262, Test Antenna Horizontal)



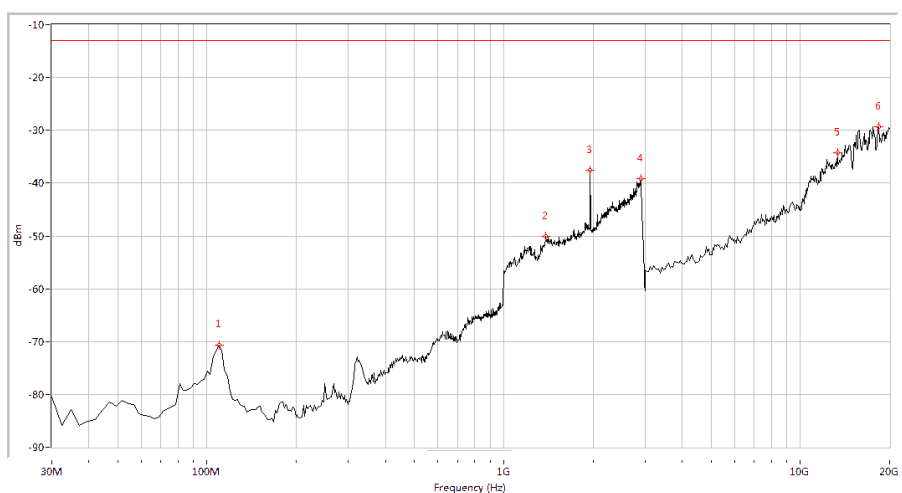
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-72.13	-13.0	59.1	63.8	Vertical	PASS
864.539	-64.11	-13.0	51.1	48.5	Vertical	PASS
2311.721	-43.42	-13.0	30.4	195.4	Vertical	PASS
2855.362	-40.13	-13.0	27.1	246.7	Vertical	PASS
11605.985	-38.49	-13.0	25.5	0.0	Vertical	PASS
15718.204	-30.24	-13.0	17.2	10.9	Vertical	PASS

(Plot F.2: WCDMA 1900MHz Channel = 9262, Test Antenna Vertical)



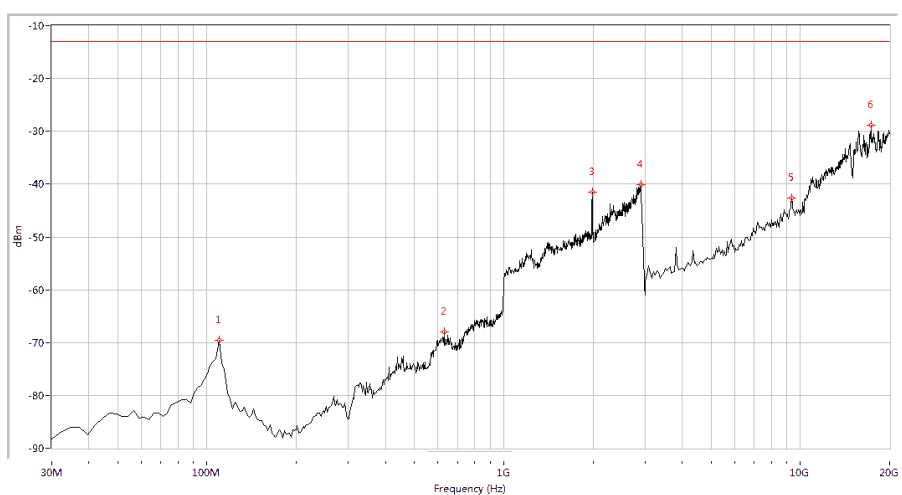
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-69.85	-13.0	56.8	348.5	Horizontal	PASS
864.539	-64.98	-13.0	52.0	96.7	Horizontal	PASS
1957.606	-43.12	-13.0	30.1	267.3	Horizontal	PASS
2895.262	-39.71	-13.0	26.7	10.0	Horizontal	PASS
12496.259	-35.91	-13.0	22.9	0.4	Horizontal	PASS
18304.239	-29.85	-13.0	16.8	251.4	Horizontal	PASS

(Plot F.3: WCDMA 1900MHz Channel = 9400, Test Antenna Horizontal)



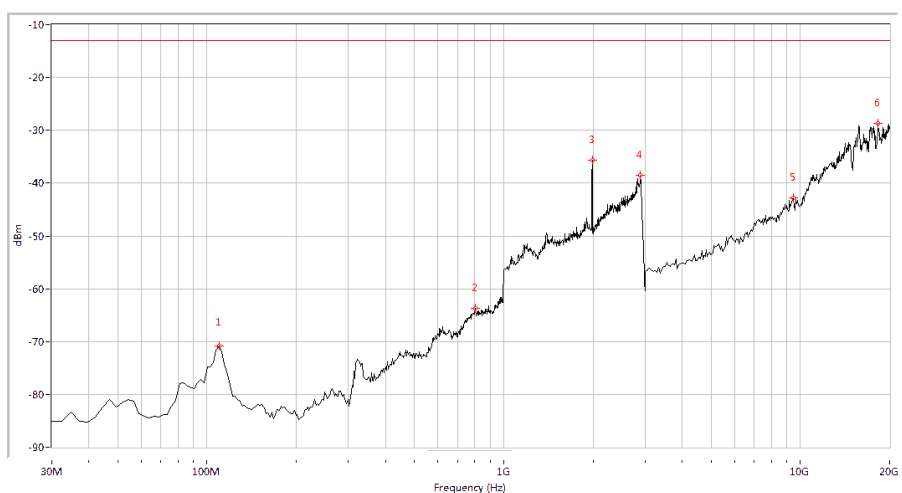
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-70.63	-13.0	57.6	199.4	Vertical	PASS
1389.027	-50.04	-13.0	37.0	341.7	Vertical	PASS
1957.606	-37.52	-13.0	24.5	166.1	Vertical	PASS
2900.249	-39.11	-13.0	26.1	75.7	Vertical	PASS
13344.140	-34.17	-13.0	21.2	71.9	Vertical	PASS
18389.027	-29.40	-13.0	16.4	355.6	Vertical	PASS

(Plot F.4: WCDMA 1900MHz Channel = 9400, Test Antenna Vertical)



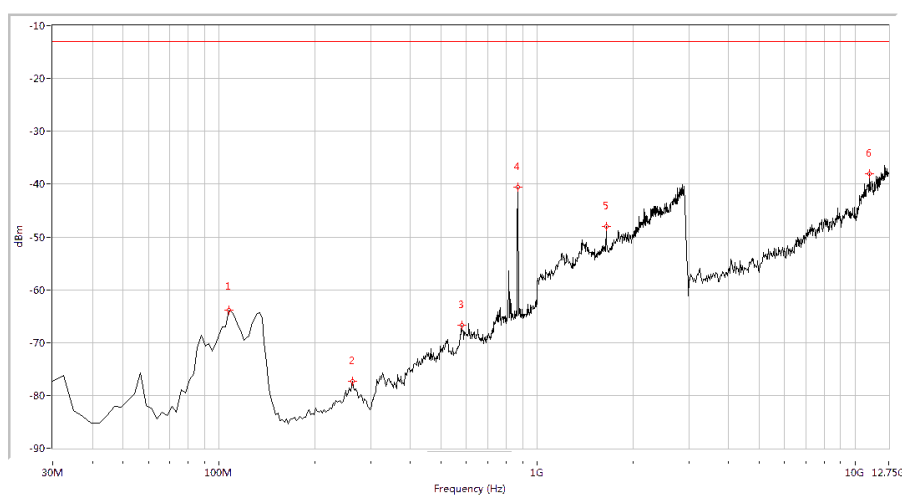
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-69.53	-13.0	56.5	69.4	Horizontal	PASS
629.900	-68.00	-13.0	55.0	153.4	Horizontal	PASS
1987.531	-41.51	-13.0	28.5	52.8	Horizontal	PASS
2900.249	-40.07	-13.0	27.1	305.7	Horizontal	PASS
9359.102	-42.61	-13.0	29.6	268.9	Horizontal	PASS
17286.783	-28.85	-13.0	15.8	196.4	Horizontal	PASS

(Plot F.5: WCDMA 1900MHz Channel = 9538, Test Antenna Horizontal)



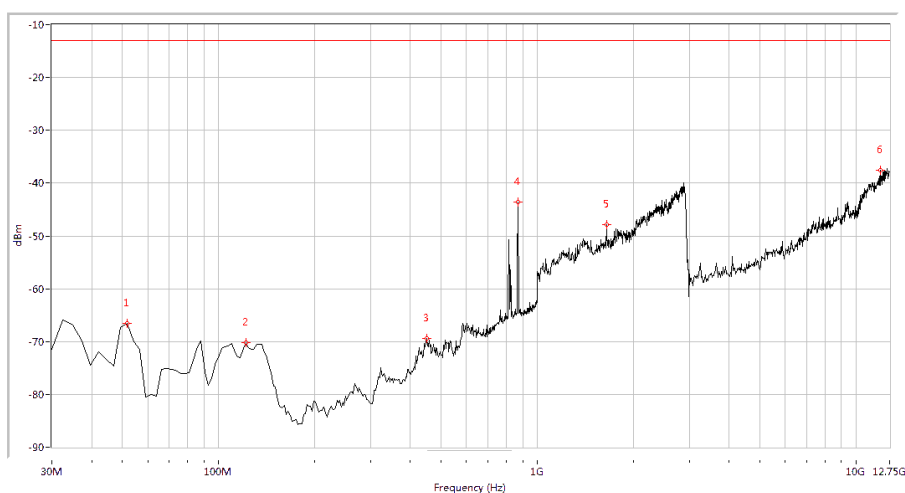
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-70.78	-13.0	57.8	132.4	Vertical	PASS
801.646	-63.65	-13.0	50.7	70.0	Vertical	PASS
1987.531	-35.69	-13.0	22.7	123.7	Vertical	PASS
2890.274	-38.45	-13.0	25.5	0.5	Vertical	PASS
9486.284	-42.78	-13.0	29.8	146.5	Vertical	PASS
18304.239	-28.63	-13.0	15.6	16.1	Vertical	PASS

(Plot F.6: WCDMA 1900MHz Channel = 9538, Test Antenna Vertical)



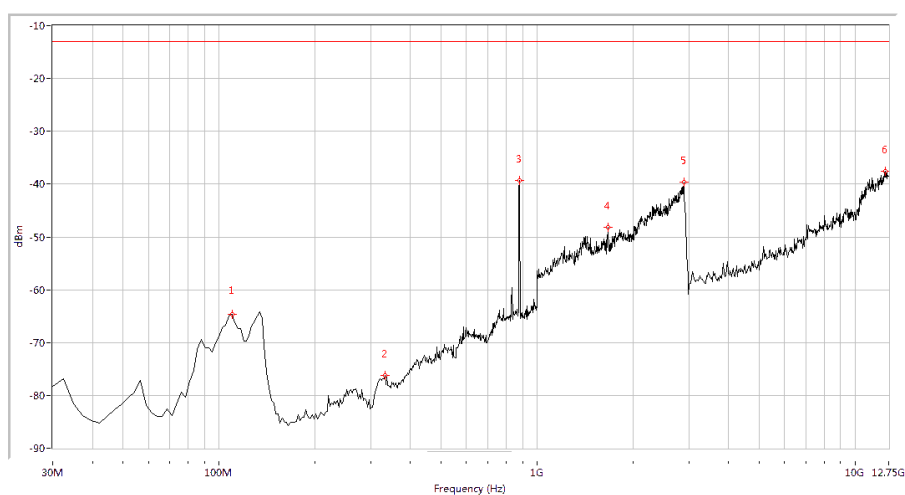
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
107.406	-63.94	-13.0	50.9	152.2	Horizontal	<u>PASS</u>
262.219	-77.25	-13.0	64.3	41.6	Horizontal	<u>PASS</u>
579.102	-66.66	-13.0	53.7	98.7	Horizontal	<u>PASS</u>
871.796	-40.58	-13.0	27.6	232.0	Horizontal	<u>PASS</u>
1648.379	-48.09	-13.0	35.1	121.4	Horizontal	<u>PASS</u>
11120.948	-38.01	-13.0	25.0	62.3	Horizontal	<u>PASS</u>

(Plot G.1: HSDPA 850MHz Channel = 4132, Test Antenna Horizontal)



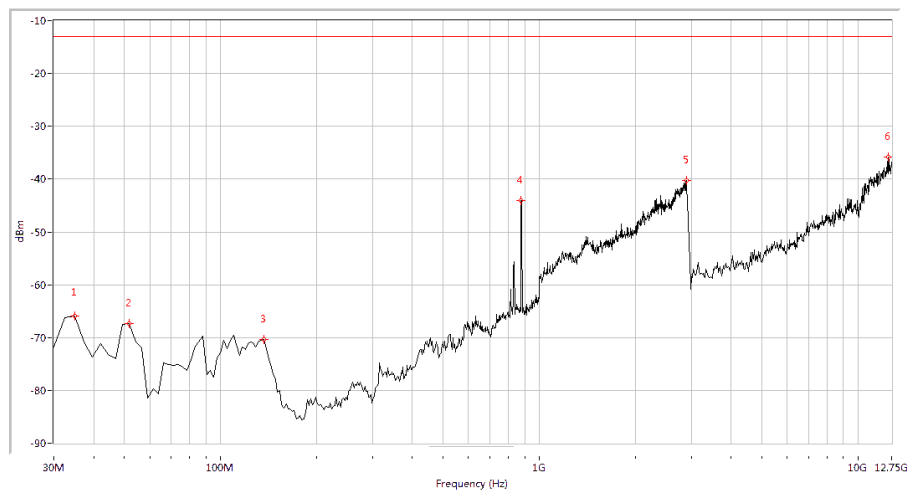
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
51.771	-66.57	-13.0	53.6	62.3	Vertical	<u>PASS</u>
121.920	-70.27	-13.0	57.3	154.8	Vertical	<u>PASS</u>
450.898	-69.34	-13.0	56.3	233.1	Vertical	<u>PASS</u>
871.796	-43.65	-13.0	30.7	20.0	Vertical	<u>PASS</u>
1648.379	-47.94	-13.0	34.9	9.4	Vertical	<u>PASS</u>
11923.317	-37.57	-13.0	24.6	320.7	Vertical	<u>PASS</u>

(Plot G.2: HSDPA 850MHz Channel = 4132, Test Antenna Vertical)



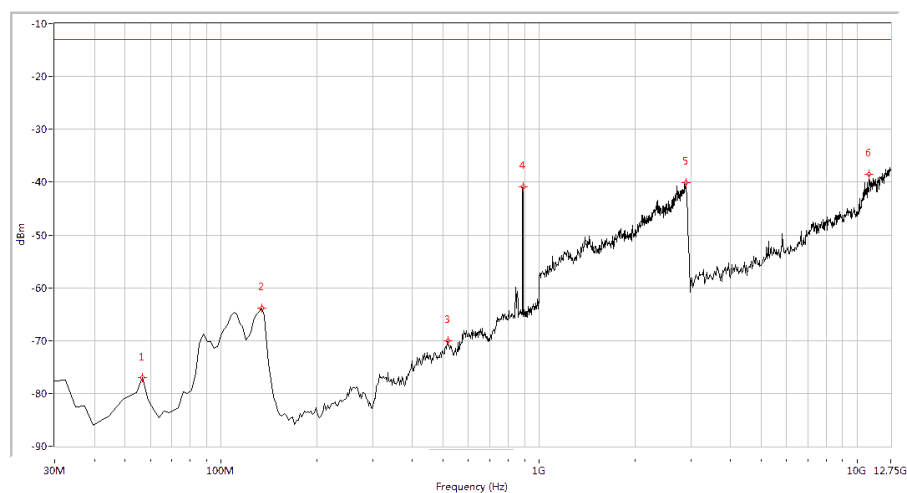
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-64.72	-13.0	51.7	25.1	Horizontal	<u>PASS</u>
332.369	-76.26	-13.0	63.3	63.5	Horizontal	<u>PASS</u>
879.052	-39.32	-13.0	26.3	126.7	Horizontal	<u>PASS</u>
1673.317	-48.24	-13.0	35.2	321.8	Horizontal	<u>PASS</u>
2890.274	-39.69	-13.0	26.7	141.0	Horizontal	<u>PASS</u>
12458.229	-37.49	-13.0	24.5	46.4	Horizontal	<u>PASS</u>

(Plot G.3: HSDPA 850MHz Channel = 4175, Test Antenna Horizontal)



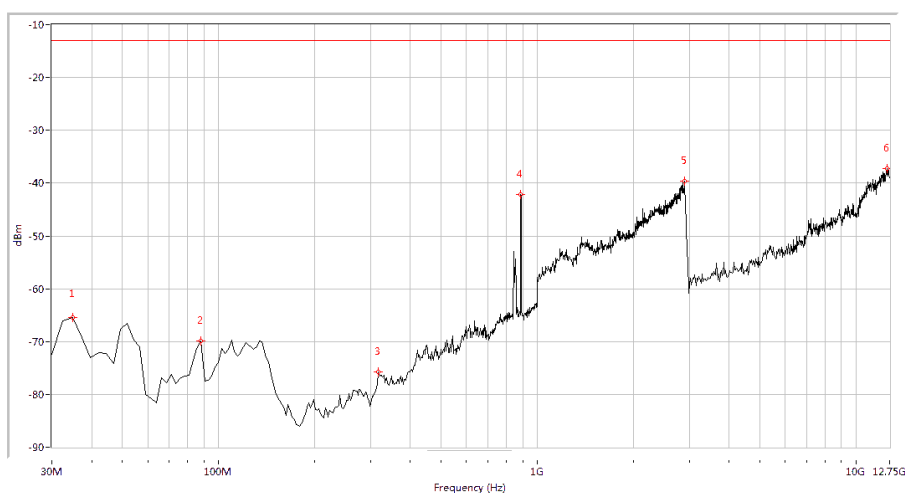
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-65.99	-13.0	53.0	154.2	Vertical	<u>PASS</u>
51.771	-67.41	-13.0	54.4	263.1	Vertical	<u>PASS</u>
136.434	-70.39	-13.0	57.4	96.4	Vertical	<u>PASS</u>
876.633	-44.06	-13.0	31.1	165.0	Vertical	<u>PASS</u>
2890.274	-40.33	-13.0	27.3	74.8	Vertical	<u>PASS</u>
12458.229	-35.86	-13.0	22.9	11.3	Vertical	<u>PASS</u>

(Plot G.4: HSDPA 850MHz Channel = 4175, Test Antenna Vertical)



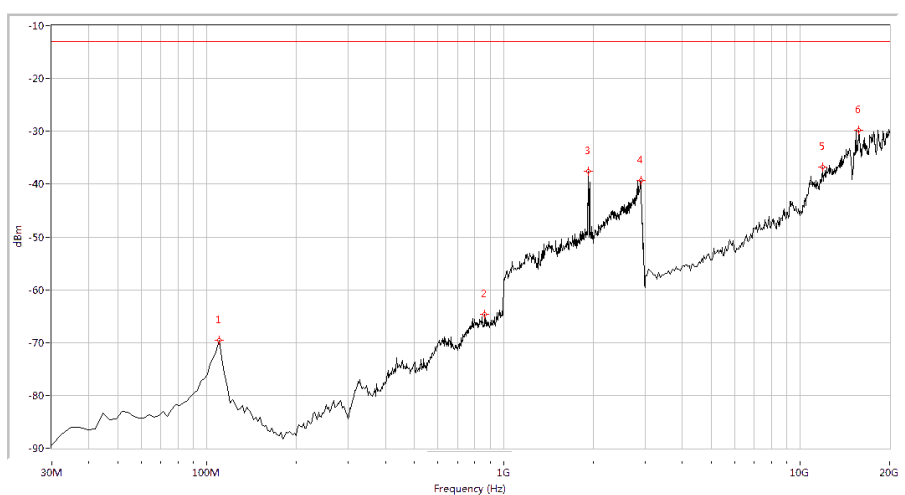
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
56.608	-77.02	-13.0	64.0	63.2	Horizontal	<u>PASS</u>
134.015	-63.86	-13.0	50.9	125.3	Horizontal	<u>PASS</u>
516.209	-70.10	-13.0	57.1	320.4	Horizontal	<u>PASS</u>
891.147	-40.91	-13.0	27.9	141.7	Horizontal	<u>PASS</u>
2900.249	-40.10	-13.0	27.1	58.9	Horizontal	<u>PASS</u>
10902.120	-38.56	-13.0	25.6	2.6	Horizontal	<u>PASS</u>

(Plot G.5: HSDPA 850MHz Channel = 4233, Test Antenna Horizontal)



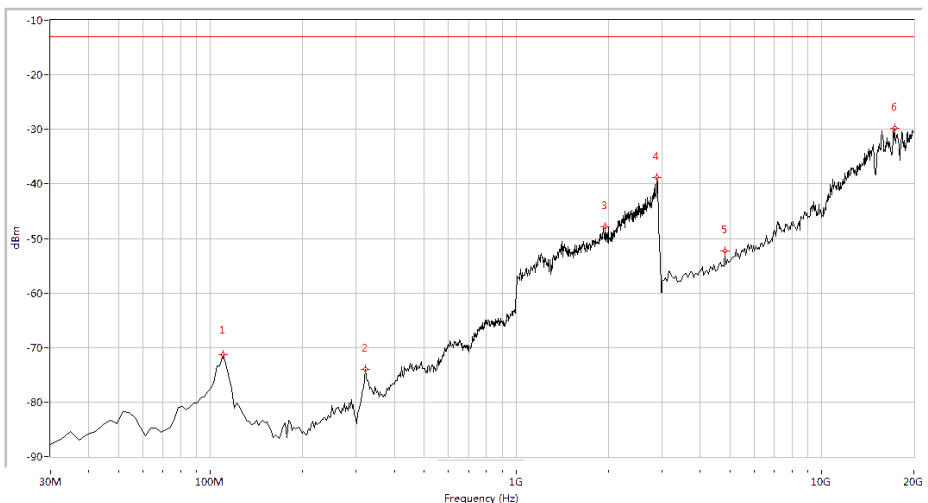
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-65.52	-13.0	52.5	15.2	Vertical	<u>PASS</u>
88.055	-69.82	-13.0	56.8	30.6	Vertical	<u>PASS</u>
317.855	-75.80	-13.0	62.8	41.8	Vertical	<u>PASS</u>
888.728	-42.15	-13.0	29.2	152.6	Vertical	<u>PASS</u>
2895.262	-39.68	-13.0	26.7	214.9	Vertical	<u>PASS</u>
12555.486	-37.26	-13.0	24.3	20.3	Vertical	<u>PASS</u>

(Plot G.6: HSDPA 850MHz Channel = 4233, Test Antenna Vertical)



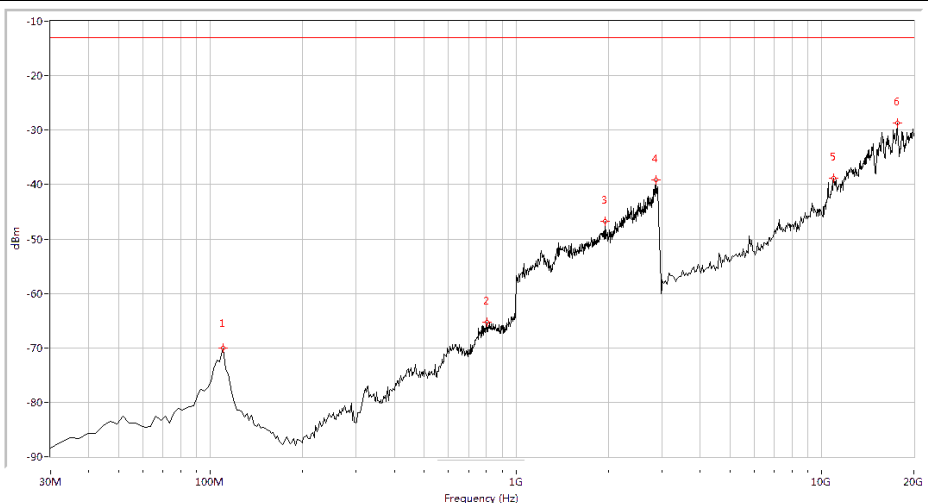
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-69.64	-13.0	56.6	63.4	Horizontal	PASS
864.539	-64.63	-13.0	51.6	195.8	Horizontal	PASS
1927.681	-37.52	-13.0	24.5	264.7	Horizontal	PASS
2900.249	-39.38	-13.0	26.4	23.5	Horizontal	PASS
11860.349	-36.77	-13.0	23.8	269.5	Horizontal	PASS
15760.599	-29.86	-13.0	16.9	86.4	Horizontal	PASS

(Plot H.1: HSDPA 1900 MHz Channel = 9262, Test Antenna Horizontal)



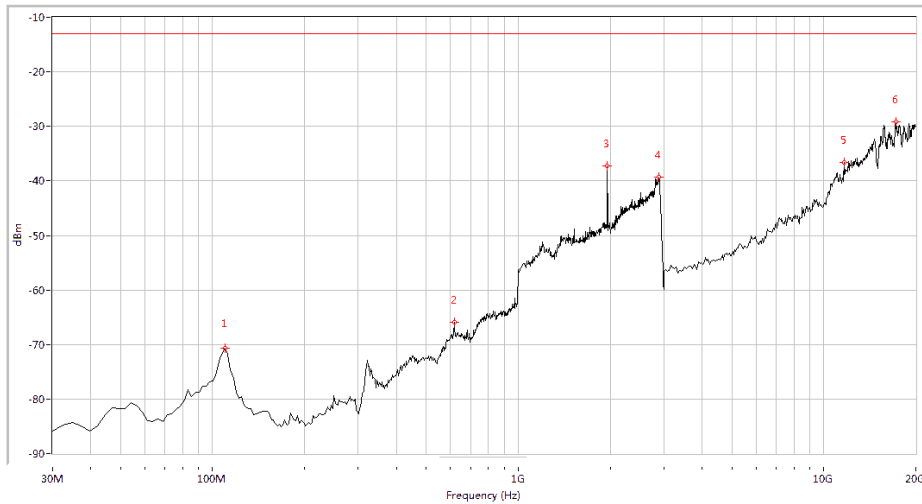
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-71.30	-13.0	58.3	94.8	Vertical	PASS
320.274	-74.07	-13.0	61.1	197.9	Vertical	PASS
1957.606	-47.87	-13.0	34.9	326.7	Vertical	PASS
2890.274	-38.87	-13.0	25.9	152.8	Vertical	PASS
4822.943	-52.32	-13.0	39.3	247.1	Vertical	PASS
17286.783	-29.74	-13.0	16.7	0.5	Vertical	PASS

(Plot H.2: HSDPA 1900 MHz Channel = 9262, Test Antenna Vertical)



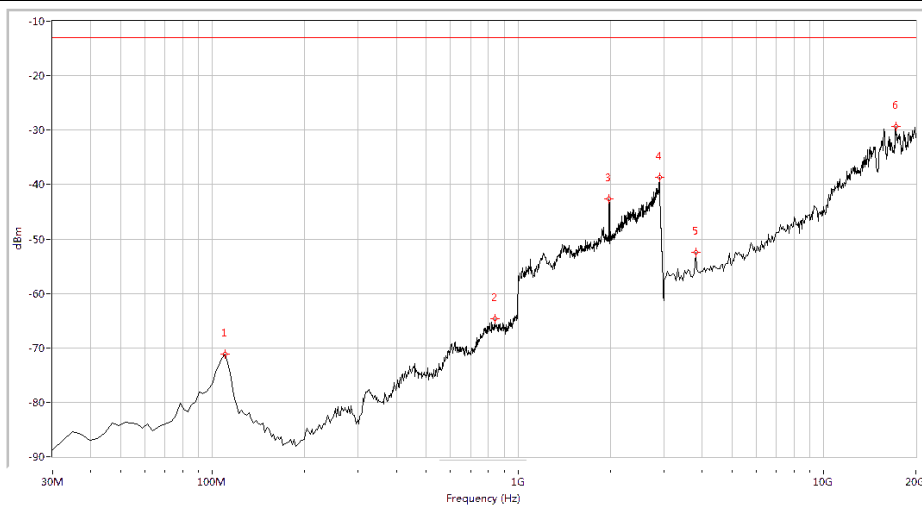
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-70.06	-13.0	57.1	345.8	Horizontal	PASS
801.646	-65.27	-13.0	52.3	95.6	Horizontal	PASS
1957.606	-46.72	-13.0	33.7	264.5	Horizontal	PASS
2860.349	-39.15	-13.0	26.2	158.3	Horizontal	PASS
10927.681	-38.77	-13.0	25.8	67.4	Horizontal	PASS
17625.935	-28.70	-13.0	15.7	57.6	Horizontal	PASS

(Plot H.3: HSDPA 1900 MHz Channel = 9400, Test Antenna Horizontal)



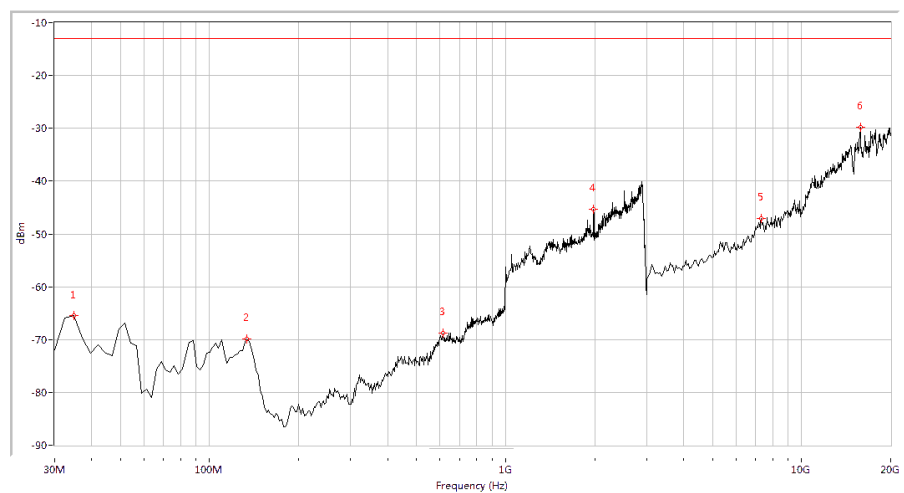
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-70.74	-13.0	57.7	91.4	Vertical	PASS
617.805	-65.88	-13.0	52.9	-0.0	Vertical	PASS
1957.606	-37.20	-13.0	24.2	191.5	Vertical	PASS
2890.274	-39.37	-13.0	26.4	360.0	Vertical	PASS
11648.379	-36.61	-13.0	23.6	202.2	Vertical	PASS
17201.995	-29.15	-13.0	16.1	306.0	Vertical	PASS

(Plot H.4: HSDPA 1900 MHz Channel = 9400, Test Antenna Vertical)



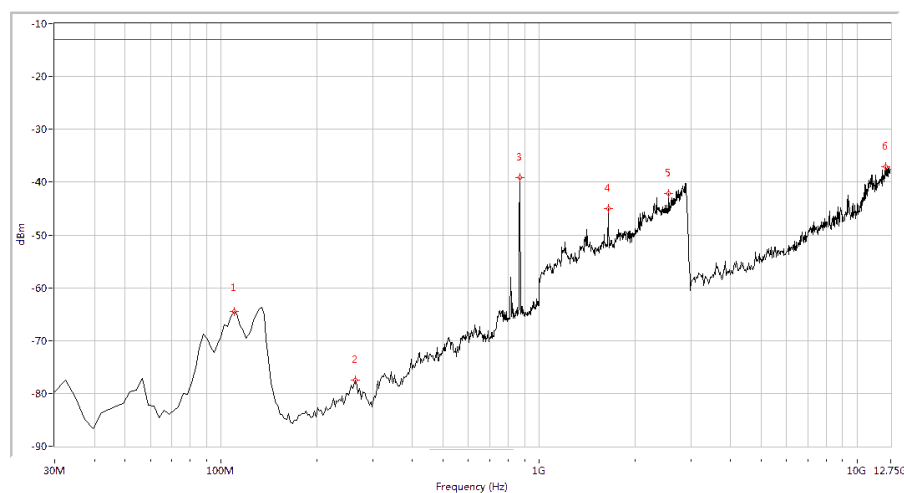
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-71.11	-13.0	58.1	342.1	Horizontal	PASS
837.930	-64.64	-13.0	51.6	268.4	Horizontal	PASS
1982.544	-42.57	-13.0	29.6	173.4	Horizontal	PASS
2900.249	-38.64	-13.0	25.6	52.8	Horizontal	PASS
3805.486	-52.38	-13.0	39.4	95.6	Horizontal	PASS
17201.995	-29.39	-13.0	16.4	111.0	Horizontal	PASS

(Plot H.5: HSDPA 1900 MHz Channel = 9538, Test Antenna Horizontal)



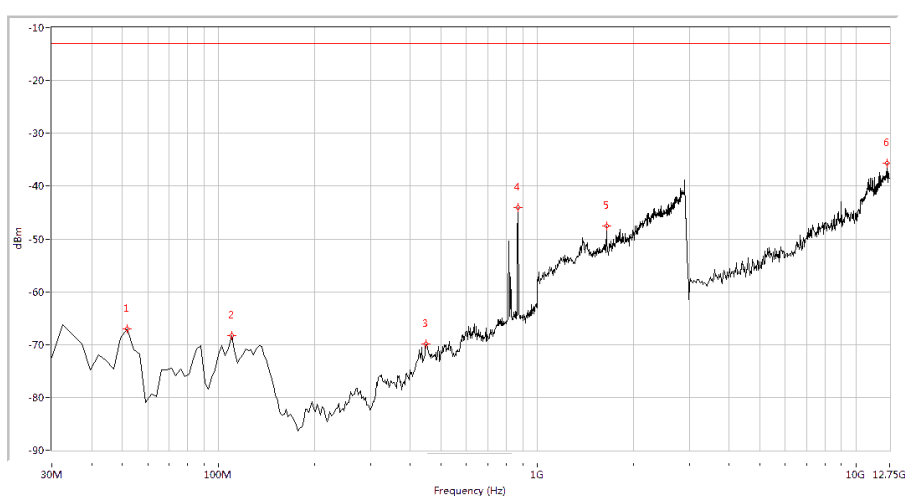
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-65.49	-13.0	52.5	36.9	Vertical	<u>PASS</u>
134.015	-69.82	-13.0	56.8	152.6	Vertical	<u>PASS</u>
615.387	-68.83	-13.0	55.8	147.1	Vertical	<u>PASS</u>
1982.544	-45.31	-13.0	32.3	20.5	Vertical	<u>PASS</u>
7324.190	-47.03	-13.0	34.0	1.8	Vertical	<u>PASS</u>
15802.993	-29.80	-13.0	16.8	115.8	Vertical	<u>PASS</u>

(Plot H.6: HSDPA 1900 MHz Channel = 9538, Test Antenna Vertical)



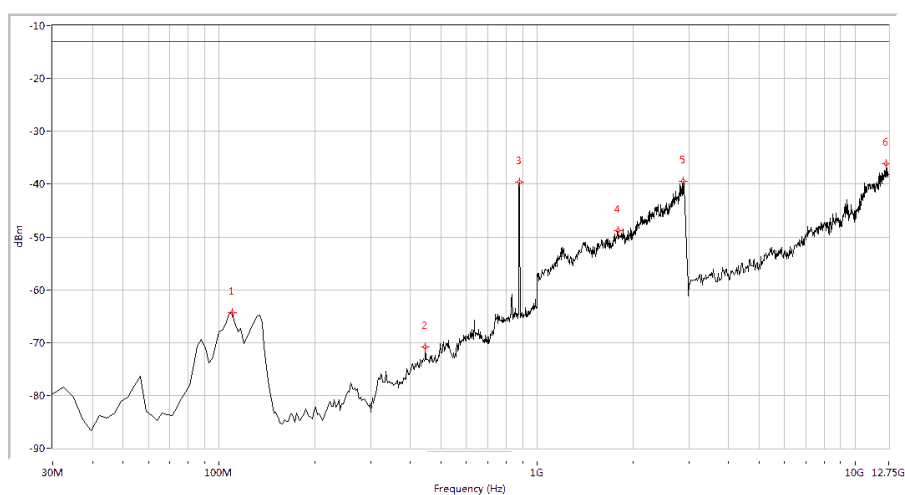
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-64.52	-13.0	51.5	12.6	Horizontal	<u>PASS</u>
264.638	-77.51	-13.0	64.5	232.1	Horizontal	<u>PASS</u>
869.377	-39.13	-13.0	26.1	151.4	Horizontal	<u>PASS</u>
1648.379	-45.09	-13.0	32.1	85.9	Horizontal	<u>PASS</u>
2556.110	-42.14	-13.0	29.1	26.4	Horizontal	<u>PASS</u>
12288.030	-37.05	-13.0	24.1	0.0	Horizontal	<u>PASS</u>

(Plot I.1: HSUPA 850MHz Channel = 4132, Test Antenna Horizontal)



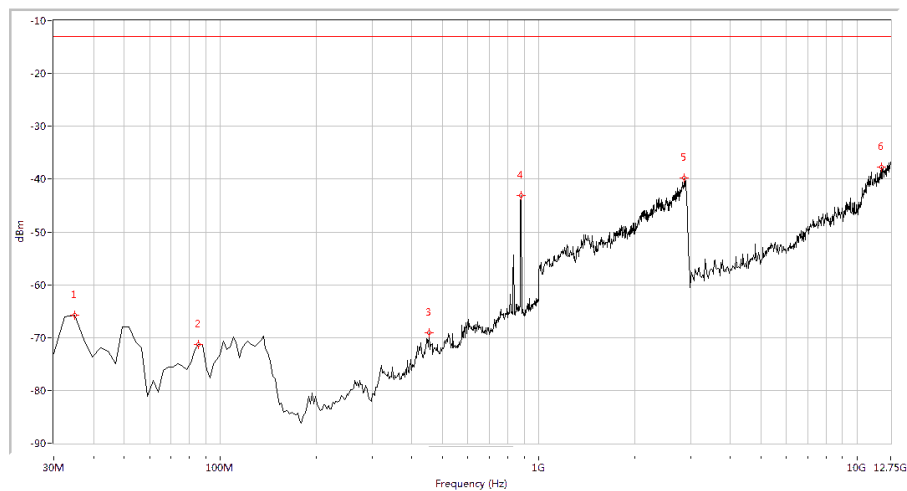
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
51.771	-67.00	-13.0	54.0	63.2	Vertical	<u>PASS</u>
109.825	-68.28	-13.0	55.3	162.1	Vertical	<u>PASS</u>
448.479	-69.83	-13.0	56.8	44.5	Vertical	<u>PASS</u>
869.377	-44.00	-13.0	31.0	232.8	Vertical	<u>PASS</u>
1648.379	-47.55	-13.0	34.6	96.7	Vertical	<u>PASS</u>
12555.486	-35.67	-13.0	22.7	151.0	Vertical	<u>PASS</u>

(Plot I.2: HSUPA 850 MHz Channel = 4132, Test Antenna Vertical)



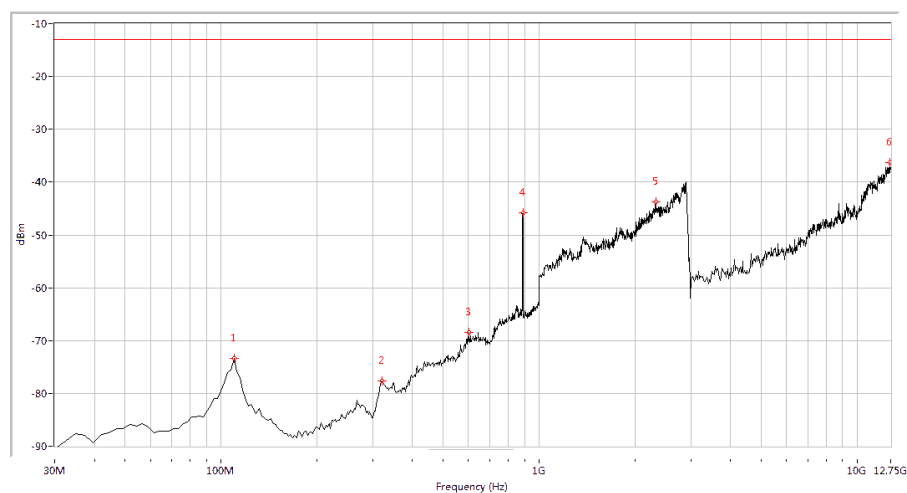
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-64.29	-13.0	51.3	151.2	Horizontal	<u>PASS</u>
446.060	-70.83	-13.0	57.8	32.6	Horizontal	<u>PASS</u>
879.052	-39.56	-13.0	26.6	78.4	Horizontal	<u>PASS</u>
1802.993	-48.78	-13.0	35.8	269.4	Horizontal	<u>PASS</u>
2880.299	-39.52	-13.0	26.5	41.3	Horizontal	<u>PASS</u>
12555.486	-36.20	-13.0	23.2	325.0	Horizontal	<u>PASS</u>

(Plot I.3: HSUPA 850MHz Channel = 4175, Test Antenna Horizontal)



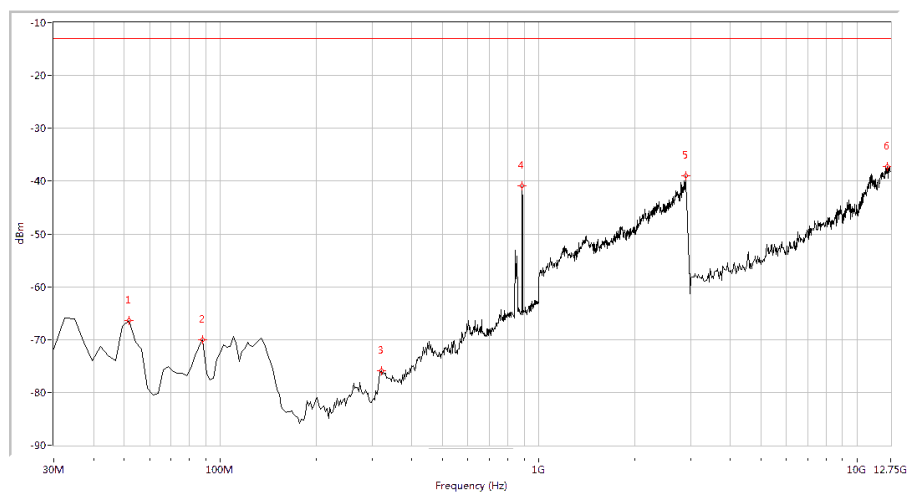
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-65.73	-13.0	52.7	162.1	Vertical	<u>PASS</u>
85.636	-71.28	-13.0	58.3	74.6	Vertical	<u>PASS</u>
453.317	-69.05	-13.0	56.0	98.1	Vertical	<u>PASS</u>
879.052	-43.18	-13.0	30.2	242.3	Vertical	<u>PASS</u>
2865.337	-39.79	-13.0	26.8	320.8	Vertical	<u>PASS</u>
11899.002	-37.79	-13.0	24.8	41.7	Vertical	<u>PASS</u>

(Plot I.4: HSUPA 850MHz Channel = 4175, Test Antenna Vertical)



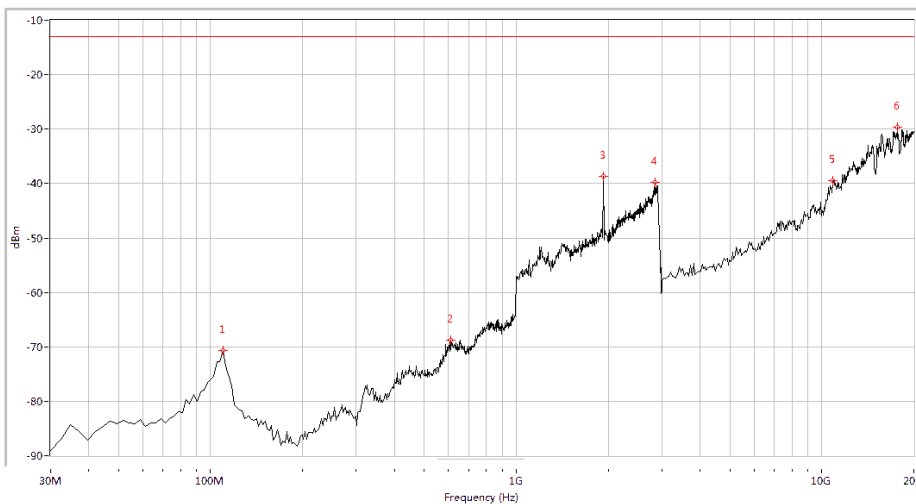
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-73.30	-13.0	60.3	63.4	Horizontal	<u>PASS</u>
320.274	-77.68	-13.0	64.7	123.2	Horizontal	<u>PASS</u>
600.873	-68.45	-13.0	55.4	338.7	Horizontal	<u>PASS</u>
891.147	-45.84	-13.0	32.8	156.9	Horizontal	<u>PASS</u>
2331.671	-43.79	-13.0	30.8	41.0	Horizontal	<u>PASS</u>
12677.057	-36.27	-13.0	23.3	85.8	Horizontal	<u>PASS</u>

(Plot I.5: HSUPA 850MHz Channel = 4233, Test Antenna Horizontal)



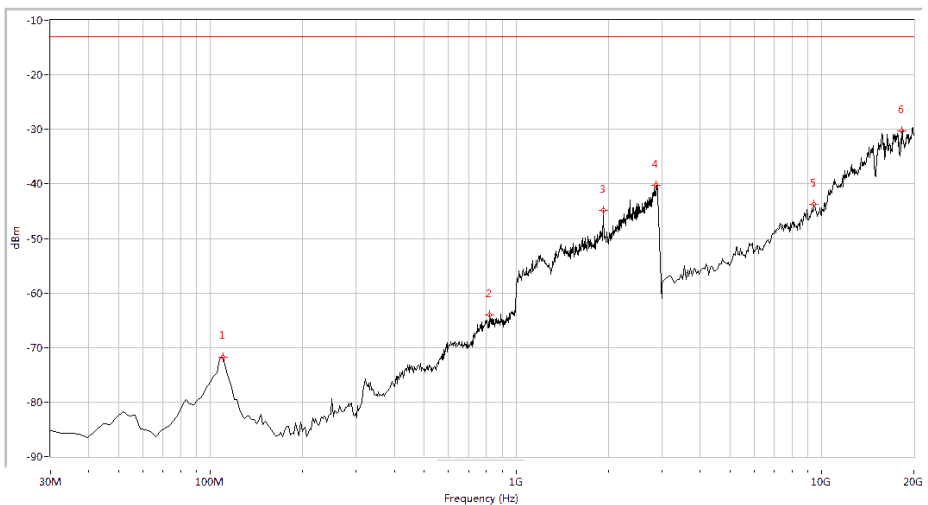
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
51.771	-66.41	-13.0	53.4	152.6	Vertical	<u>PASS</u>
88.055	-70.03	-13.0	57.0	203.1	Vertical	<u>PASS</u>
320.274	-75.94	-13.0	62.9	52.6	Vertical	<u>PASS</u>
888.728	-40.94	-13.0	27.9	71.8	Vertical	<u>PASS</u>
2890.274	-38.97	-13.0	26.0	200.9	Vertical	<u>PASS</u>
12409.601	-37.30	-13.0	24.3	30.5	Vertical	<u>PASS</u>

(Plot I.6: HSUPA 850MHz Channel = 4233, Test Antenna Vertical)



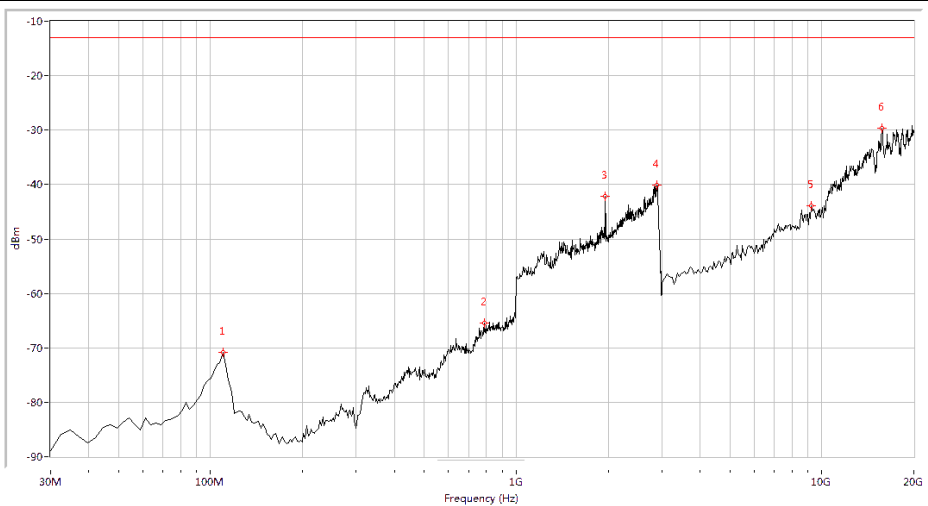
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-70.61	-13.0	57.6	95.7	Horizontal	PASS
612.968	-68.78	-13.0	55.8	48.3	Horizontal	PASS
1932.668	-38.68	-13.0	25.7	164.8	Horizontal	PASS
2855.362	-39.76	-13.0	26.8	105.6	Horizontal	PASS
10885.287	-39.49	-13.0	26.5	42.9	Horizontal	PASS
17710.723	-29.67	-13.0	16.7	254.3	Horizontal	PASS

(Plot J.1: HSUPA 1900 MHz Channel = 9262, Test Antenna Horizontal)



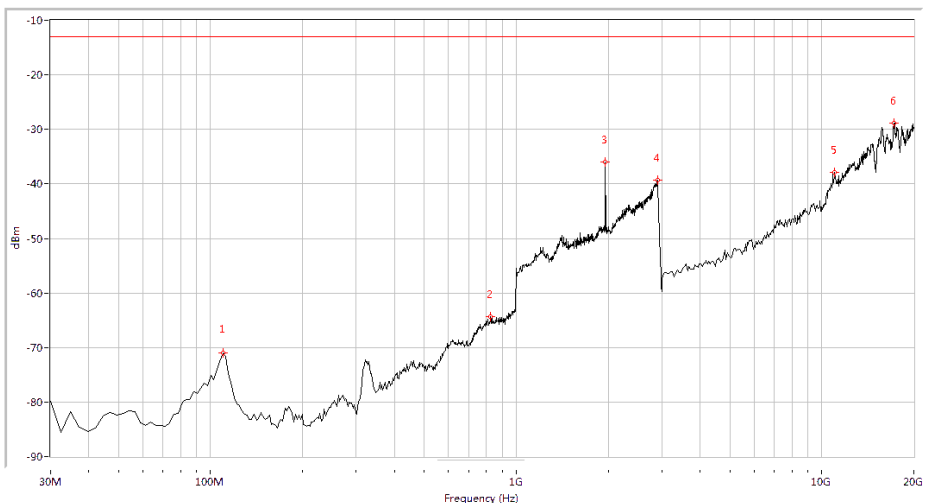
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-71.80	-13.0	58.8	349.7	Vertical	PASS
816.160	-64.10	-13.0	51.1	152.8	Vertical	PASS
1927.681	-44.92	-13.0	31.9	84.2	Vertical	PASS
2875.312	-40.31	-13.0	27.3	63.9	Vertical	PASS
9443.890	-43.76	-13.0	30.8	94.2	Vertical	PASS
18304.239	-30.31	-13.0	17.3	147.5	Vertical	PASS

(Plot J.2: HSUPA 1900 MHz Channel = 9262, Test Antenna Vertical)



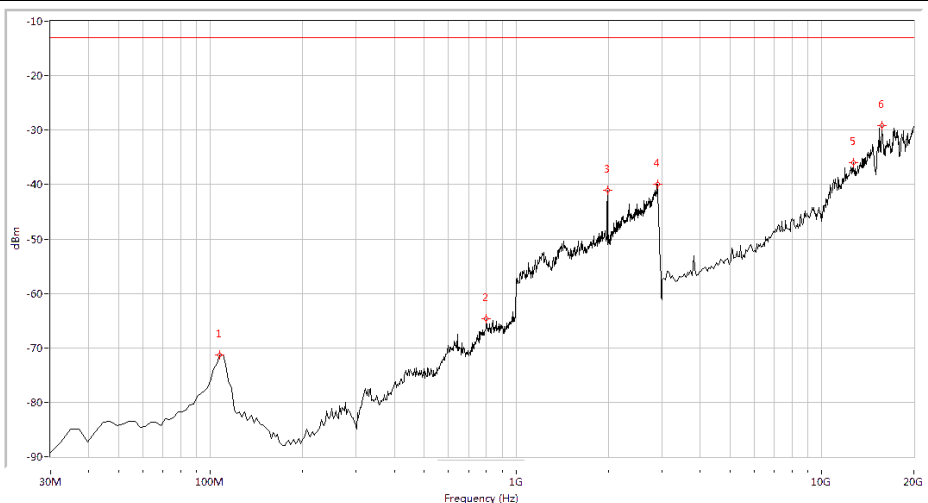
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-70.85	-13.0	57.8	346.5	Horizontal	PASS
787.132	-65.46	-13.0	52.5	258.7	Horizontal	PASS
1957.606	-42.13	-13.0	29.1	95.8	Horizontal	PASS
2885.287	-40.13	-13.0	27.1	156.4	Horizontal	PASS
9231.920	-43.93	-13.0	30.9	263.5	Horizontal	PASS
15718.204	-29.69	-13.0	16.7	185.3	Horizontal	PASS

(Plot J.3: HSUPA 1900 MHz Channel = 9400, Test Antenna Horizontal)



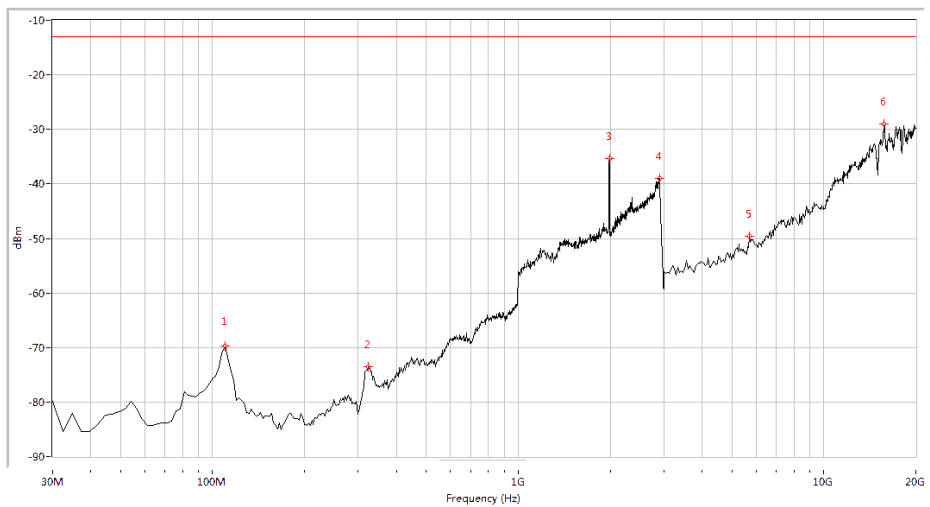
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-71.03	-13.0	58.0	269.5	Vertical	PASS
825.835	-64.41	-13.0	51.4	33.8	Vertical	PASS
1957.606	-35.92	-13.0	22.9	215.7	Vertical	PASS
2900.249	-39.36	-13.0	26.4	3.9	Vertical	PASS
11012.469	-37.84	-13.0	24.8	-0.0	Vertical	PASS
17201.995	-28.81	-13.0	15.8	326.8	Vertical	PASS

(Plot J.4: HSUPA 1900 MHz Channel = 9400, Test Antenna Vertical)



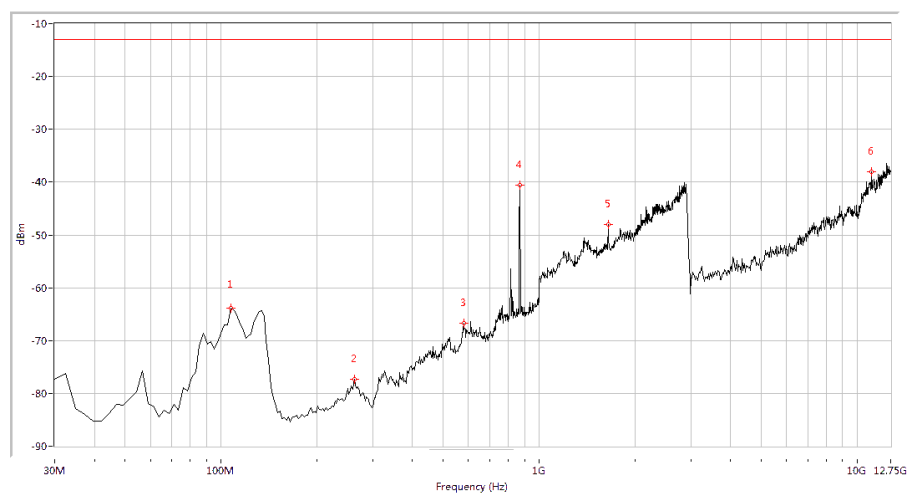
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
107.406	-71.38	-13.0	58.4	325.9	Horizontal	PASS
799.227	-64.66	-13.0	51.7	45.5	Horizontal	PASS
1987.531	-41.01	-13.0	28.0	264.7	Horizontal	PASS
2905.237	-39.93	-13.0	26.9	152.5	Horizontal	PASS
12665.835	-36.05	-13.0	23.1	35.9	Horizontal	PASS
15760.599	-29.14	-13.0	16.1	68.7	Horizontal	PASS

(Plot J.5: HSUPA 1900 MHz Channel = 9538, Test Antenna Horizontal)



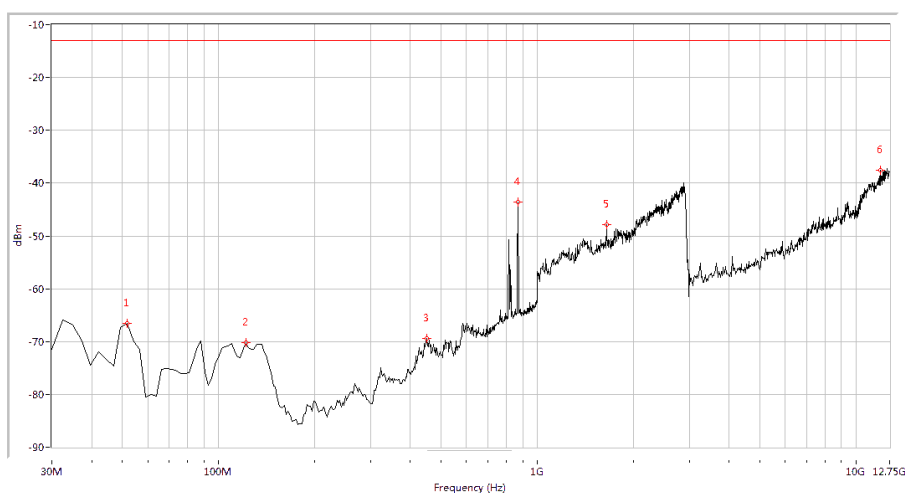
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-69.79	-13.0	56.8	233.4	Vertical	PASS
322.693	-73.58	-13.0	60.6	32.9	Vertical	PASS
1987.531	-35.32	-13.0	22.3	212.8	Vertical	PASS
2900.249	-39.05	-13.0	26.0	82.6	Vertical	PASS
5713.217	-49.61	-13.0	36.6	220.8	Vertical	PASS
15760.599	-29.07	-13.0	16.1	350.9	Vertical	PASS

(Plot J.6: HSUPA 1900 MHz Channel = 9538, Test Antenna Vertical)



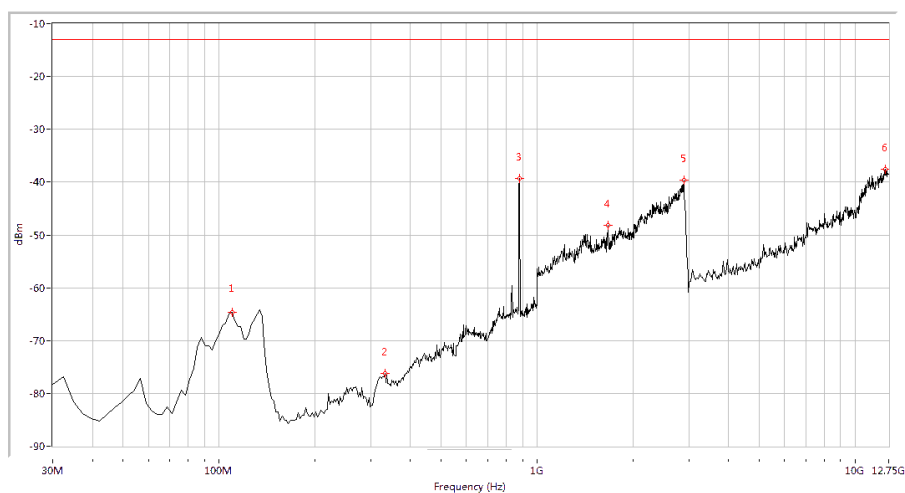
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
107.406	-63.94	-13.0	50.9	152.2	Horizontal	<u>PASS</u>
262.219	-77.25	-13.0	64.3	41.6	Horizontal	<u>PASS</u>
579.102	-66.66	-13.0	53.7	98.7	Horizontal	<u>PASS</u>
871.796	-40.58	-13.0	27.6	232.0	Horizontal	<u>PASS</u>
1648.379	-48.09	-13.0	35.1	121.4	Horizontal	<u>PASS</u>
11120.948	-38.01	-13.0	25.0	62.3	Horizontal	<u>PASS</u>

(Plot K.1: HSPA+ 850MHz Channel = 4132, Test Antenna Horizontal)



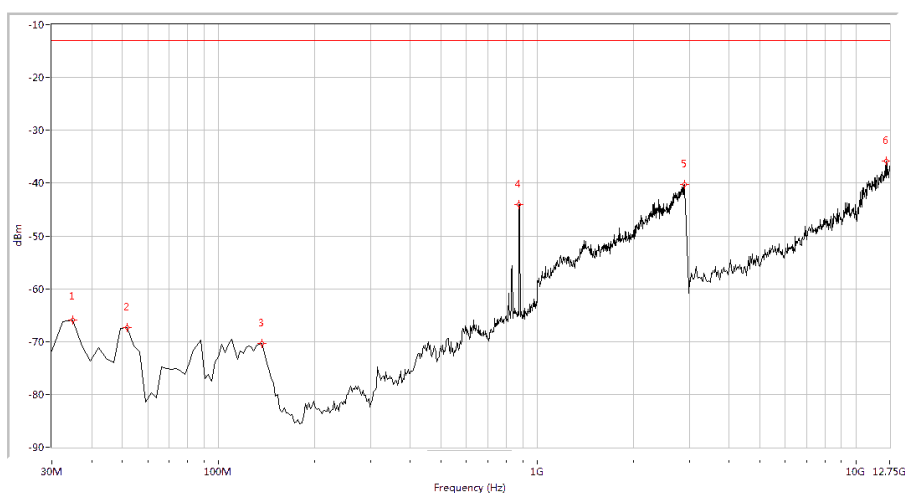
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
51.771	-66.57	-13.0	53.6	62.3	Vertical	<u>PASS</u>
121.920	-70.27	-13.0	57.3	154.8	Vertical	<u>PASS</u>
450.898	-69.34	-13.0	56.3	233.1	Vertical	<u>PASS</u>
871.796	-43.65	-13.0	30.7	20.0	Vertical	<u>PASS</u>
1648.379	-47.94	-13.0	34.9	9.4	Vertical	<u>PASS</u>
11923.317	-37.57	-13.0	24.6	320.7	Vertical	<u>PASS</u>

(Plot K.2: HSPA+ 850MHz Channel = 4132, Test Antenna Vertical)



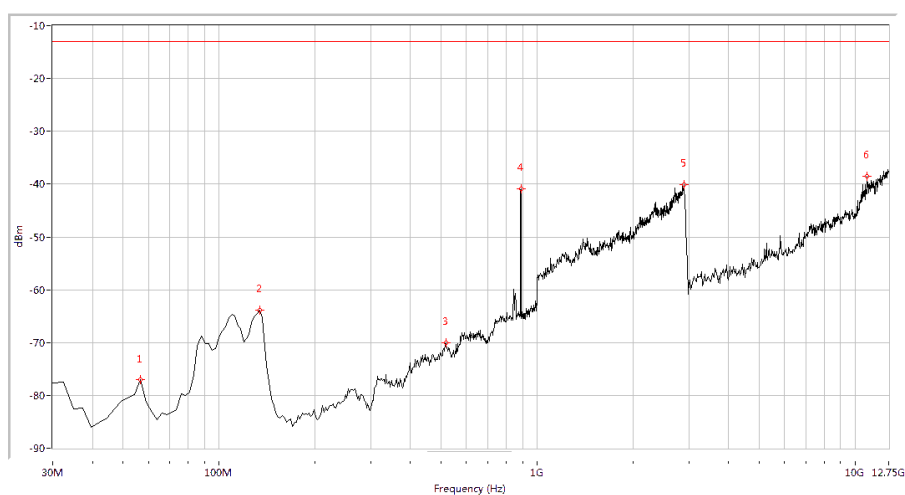
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-64.72	-13.0	51.7	25.1	Horizontal	<u>PASS</u>
332.369	-76.26	-13.0	63.3	63.5	Horizontal	<u>PASS</u>
879.052	-39.32	-13.0	26.3	126.7	Horizontal	<u>PASS</u>
1673.317	-48.24	-13.0	35.2	321.8	Horizontal	<u>PASS</u>
2890.274	-39.69	-13.0	26.7	141.0	Horizontal	<u>PASS</u>
12458.229	-37.49	-13.0	24.5	46.4	Horizontal	<u>PASS</u>

(Plot K.3: HSPA+ 850MHz Channel = 4175, Test Antenna Horizontal)



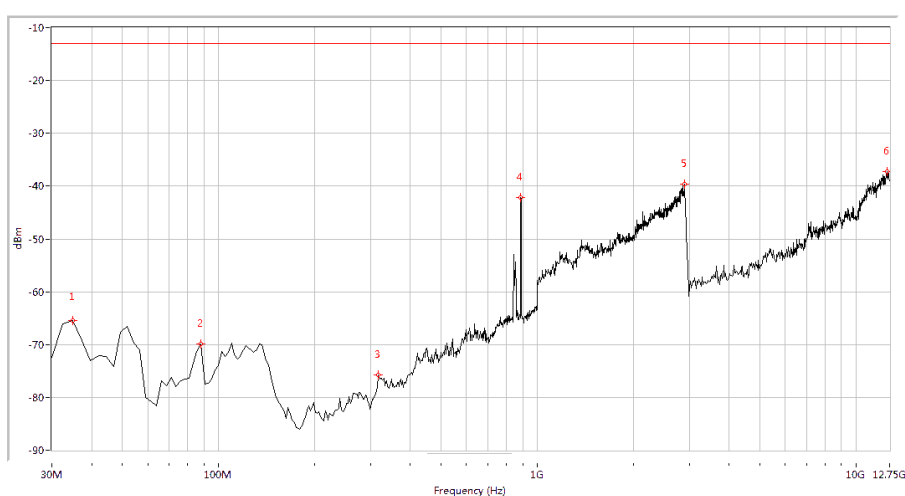
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-65.99	-13.0	53.0	154.2	Vertical	<u>PASS</u>
51.771	-67.41	-13.0	54.4	263.1	Vertical	<u>PASS</u>
136.434	-70.39	-13.0	57.4	96.4	Vertical	<u>PASS</u>
876.633	-44.06	-13.0	31.1	165.0	Vertical	<u>PASS</u>
2890.274	-40.33	-13.0	27.3	74.8	Vertical	<u>PASS</u>
12458.229	-35.86	-13.0	22.9	11.3	Vertical	<u>PASS</u>

(Plot K.4: HSPA+ 850MHz Channel = 4175, Test Antenna Vertical)



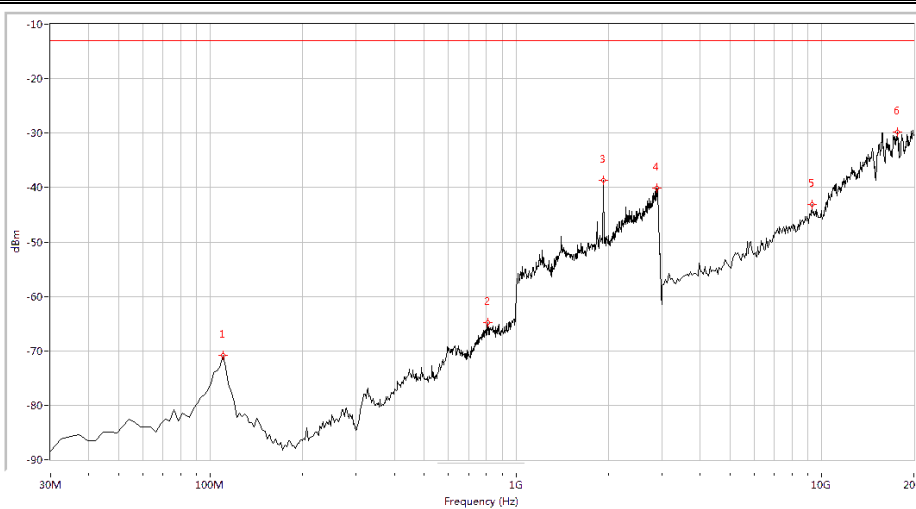
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
56.608	-77.02	-13.0	64.0	63.2	Horizontal	<u>PASS</u>
134.015	-63.86	-13.0	50.9	125.3	Horizontal	<u>PASS</u>
516.209	-70.10	-13.0	57.1	320.4	Horizontal	<u>PASS</u>
891.147	-40.91	-13.0	27.9	141.7	Horizontal	<u>PASS</u>
2900.249	-40.10	-13.0	27.1	58.9	Horizontal	<u>PASS</u>
10902.120	-38.56	-13.0	25.6	2.6	Horizontal	<u>PASS</u>

(Plot K.5: HSPA+ 850MHz Channel = 4233, Test Antenna Horizontal)



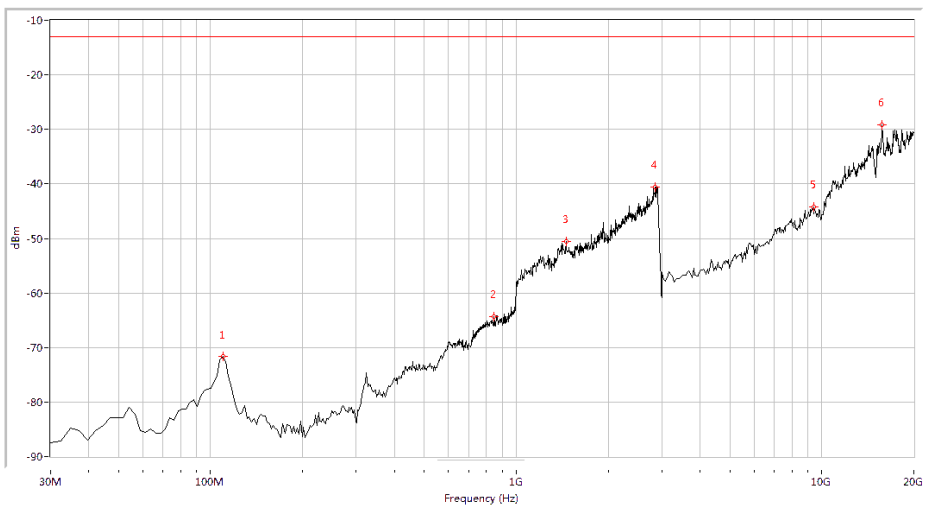
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-65.52	-13.0	52.5	15.2	Vertical	<u>PASS</u>
88.055	-69.82	-13.0	56.8	30.6	Vertical	<u>PASS</u>
317.855	-75.80	-13.0	62.8	41.8	Vertical	<u>PASS</u>
888.728	-42.15	-13.0	29.2	152.6	Vertical	<u>PASS</u>
2895.262	-39.68	-13.0	26.7	214.9	Vertical	<u>PASS</u>
12555.486	-37.26	-13.0	24.3	20.3	Vertical	<u>PASS</u>

(Plot K.6: HSPA+ 850MHz Channel = 4233, Test Antenna Vertical)



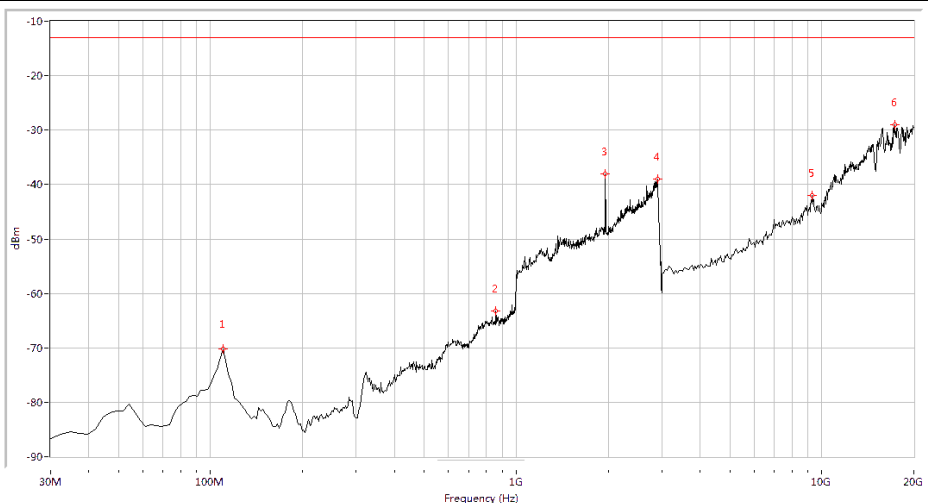
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-70.87	-13.0	57.9	64.5	Horizontal	PASS
808.903	-64.85	-13.0	51.9	256.8	Horizontal	PASS
1932.668	-38.71	-13.0	25.7	175.3	Horizontal	PASS
2895.262	-40.15	-13.0	27.2	94.1	Horizontal	PASS
9274.314	-43.07	-13.0	30.1	0.0	Horizontal	PASS
17625.935	-29.72	-13.0	16.7	71.2	Horizontal	PASS

(Plot L.1: HSPA+ 1900 MHz Channel = 9262, Test Antenna Horizontal)



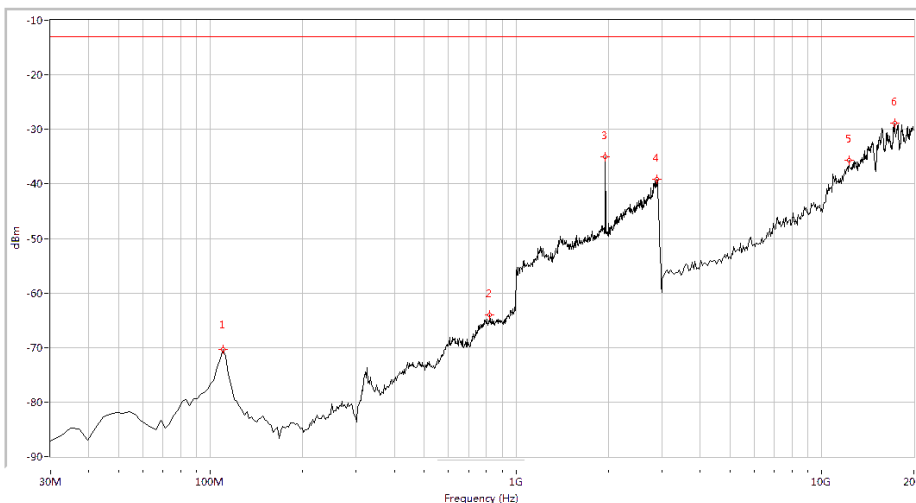
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-71.63	-13.0	58.6	345.2	Vertical	PASS
847.606	-64.40	-13.0	51.4	0.8	Vertical	PASS
1458.853	-50.62	-13.0	37.6	123.4	Vertical	PASS
2845.387	-40.55	-13.0	27.5	24.5	Vertical	PASS
9401.496	-44.18	-13.0	31.2	47.6	Vertical	PASS
15760.599	-29.11	-13.0	16.1	247.3	Vertical	PASS

(Plot L.2: HSPA+ 1900 MHz Channel = 9262, Test Antenna Vertical)



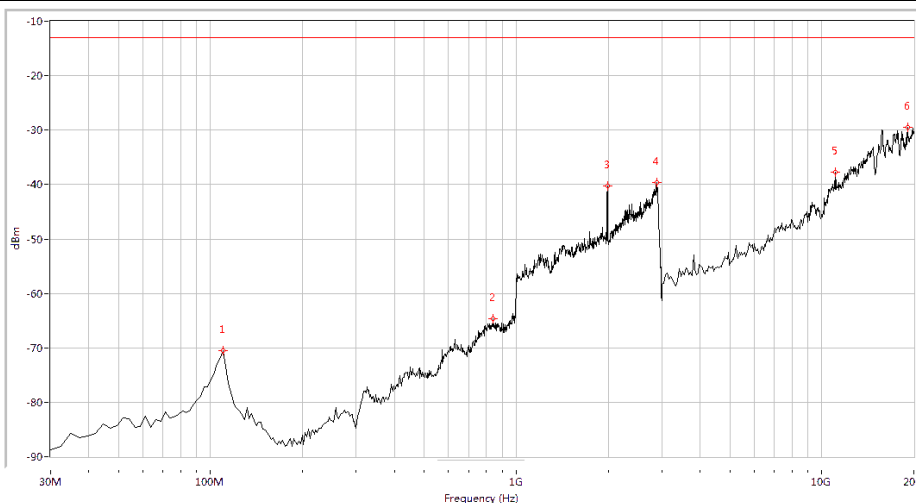
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-70.27	-13.0	57.3	234.9	Horizontal	PASS
857.282	-63.22	-13.0	50.2	-0.0	Horizontal	PASS
1957.606	-38.08	-13.0	25.1	293.0	Horizontal	PASS
2900.249	-39.02	-13.0	26.0	306.8	Horizontal	PASS
9316.708	-42.05	-13.0	29.0	4.9	Horizontal	PASS
17286.783	-29.05	-13.0	16.1	164.6	Horizontal	PASS

(Plot L.3: HSPA+ 1900 MHz Channel = 9400, Test Antenna Horizontal)



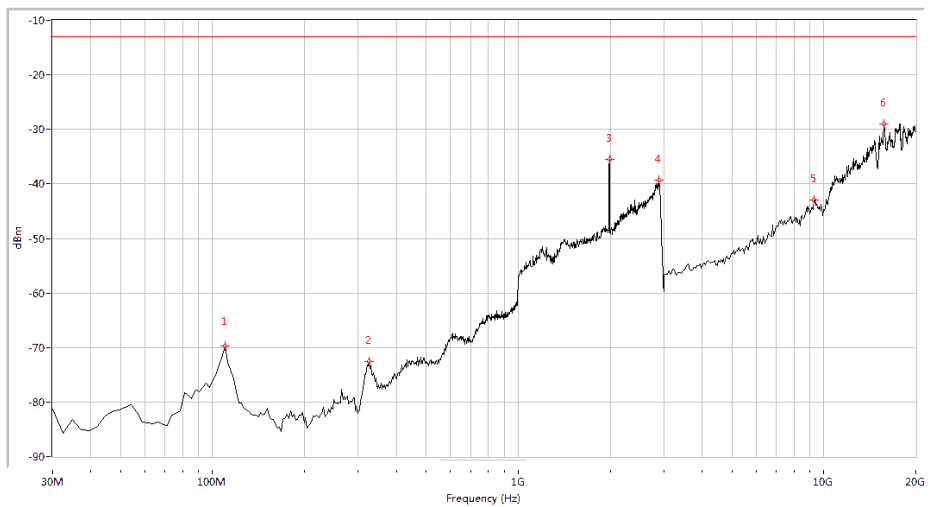
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-70.36	-13.0	57.4	271.8	Vertical	PASS
818.579	-64.08	-13.0	51.1	41.0	Vertical	PASS
1957.606	-34.98	-13.0	22.0	213.0	Vertical	PASS
2895.262	-39.17	-13.0	26.2	116.6	Vertical	PASS
12284.289	-35.65	-13.0	22.7	255.6	Vertical	PASS
17286.783	-28.81	-13.0	15.8	271.6	Vertical	PASS

(Plot L.4: HSPA+ 1900 MHz Channel = 9400, Test Antenna Vertical)



Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-70.58	-13.0	57.6	64.7	Horizontal	PASS
842.768	-64.67	-13.0	51.7	51.6	Horizontal	PASS
1987.531	-40.26	-13.0	27.3	169.5	Horizontal	PASS
2890.274	-39.55	-13.0	26.5	354.8	Horizontal	PASS
11054.863	-37.69	-13.0	24.7	208.7	Horizontal	PASS
19067.332	-29.42	-13.0	16.4	69.4	Horizontal	PASS

(Plot L.5: HSPA+ 1900 MHz Channel = 9538, Test Antenna Horizontal)



Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-69.70	-13.0	56.7	269.8	Vertical	PASS
325.112	-72.50	-13.0	59.5	35.4	Vertical	PASS
1987.531	-35.46	-13.0	22.5	326.1	Vertical	PASS
2885.287	-39.32	-13.0	26.3	266.9	Vertical	PASS
9316.708	-42.94	-13.0	29.9	359.5	Vertical	PASS
15760.599	-28.96	-13.0	16.0	153.3	Vertical	PASS

(Plot L.6: HSPA+ 1900 MHz Channel = 9538, Test Antenna Vertical)

**** END OF REPORT ****