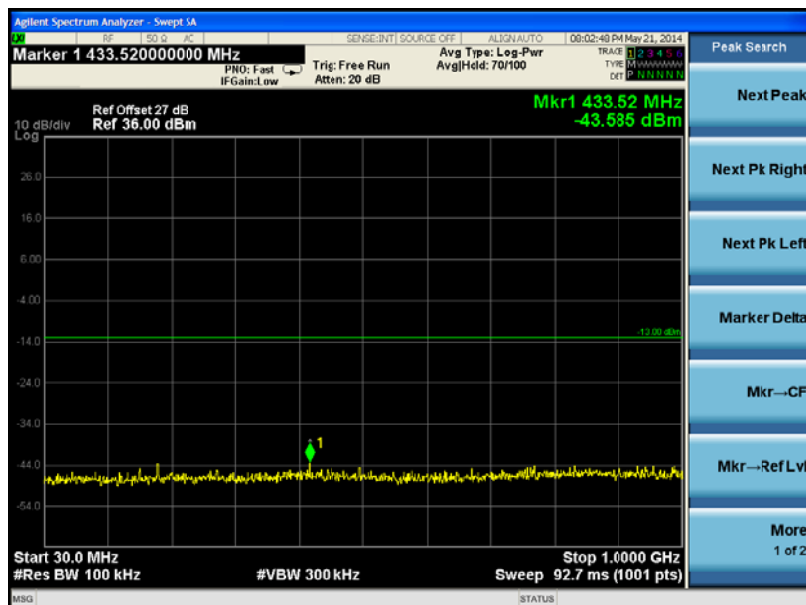
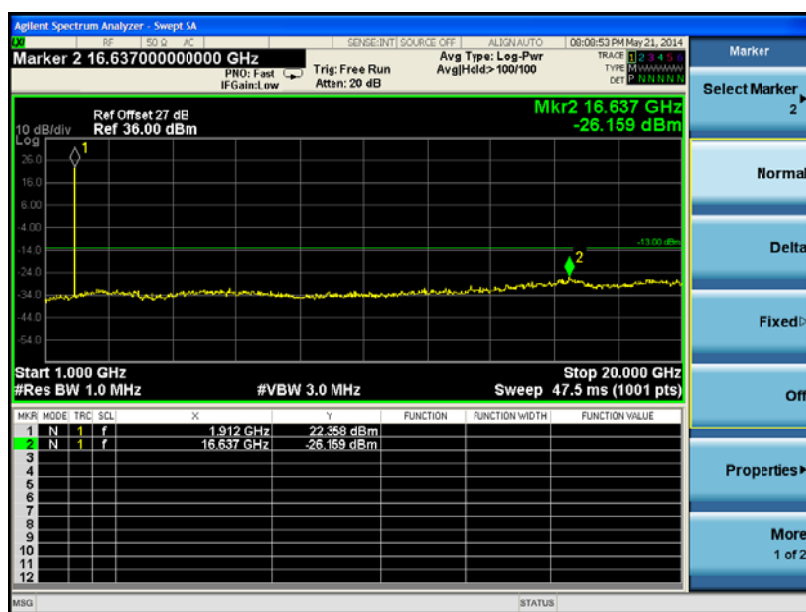
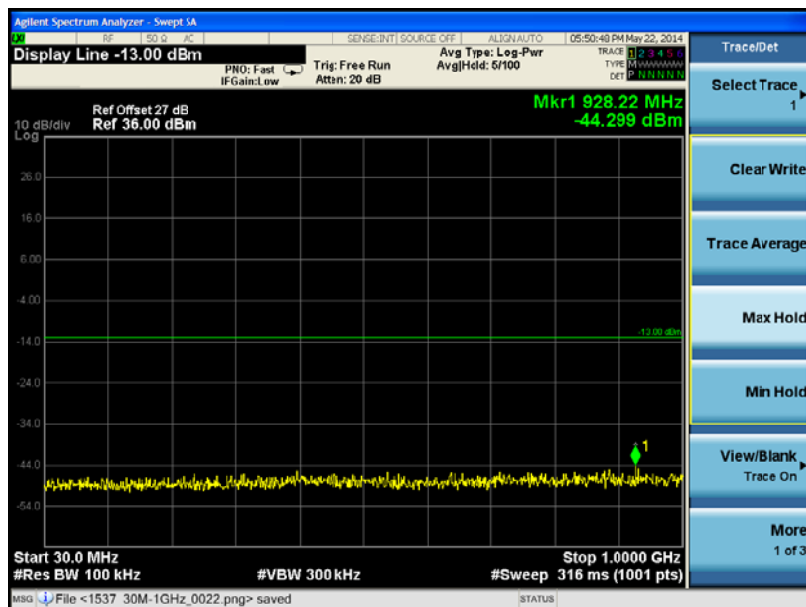




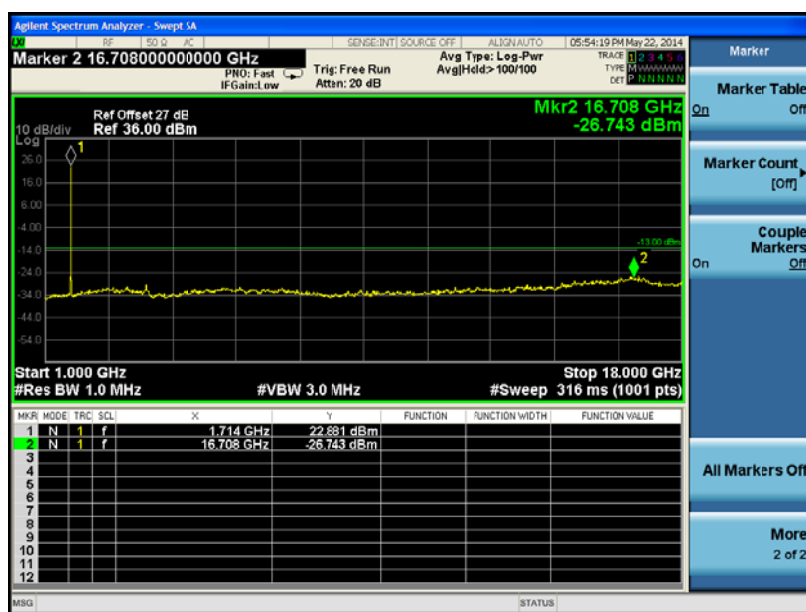
(Plot L 3: HSPA+1900MHz Channel = 9538, 30MHz to 1GHz)



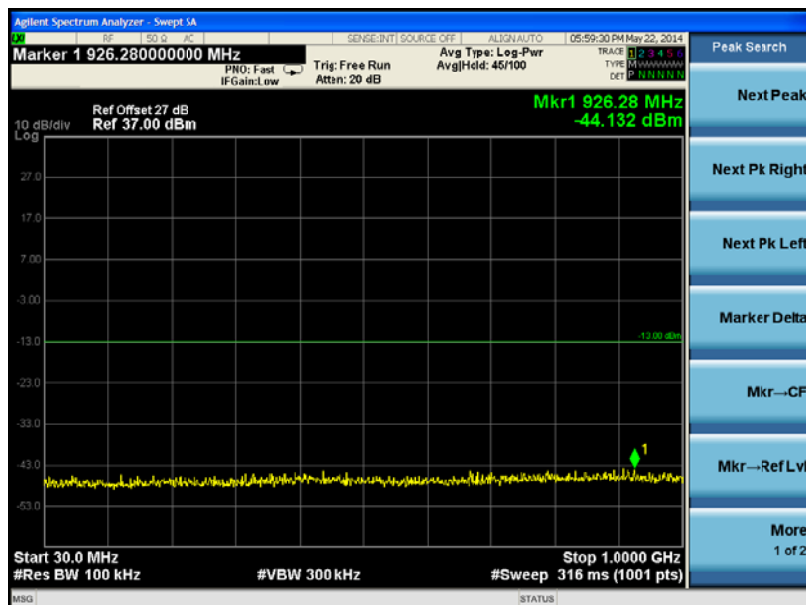
(Plot L3.1: HSPA+1900MHz Channel = 9538 1GHz to 20GHz)



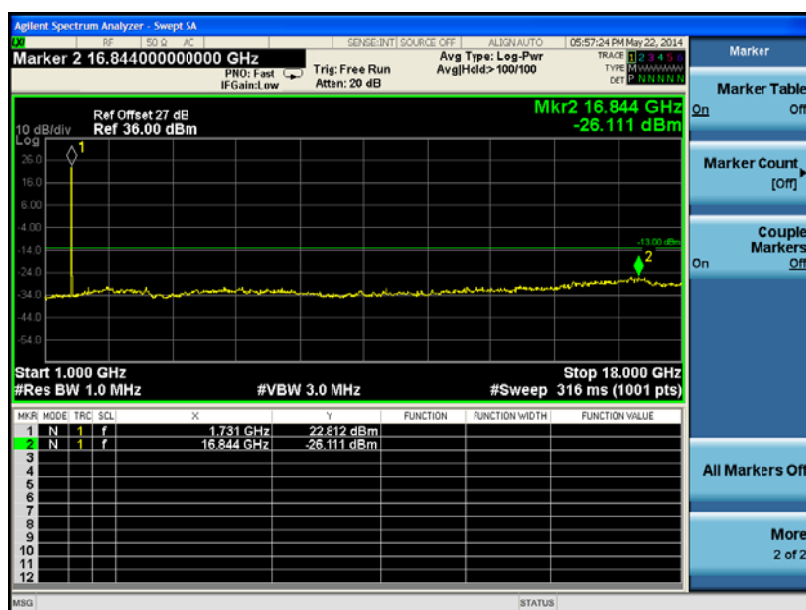
(Plot M1: WCDMA1700MHz Channel = 1312, 30MHz to 1GHz)



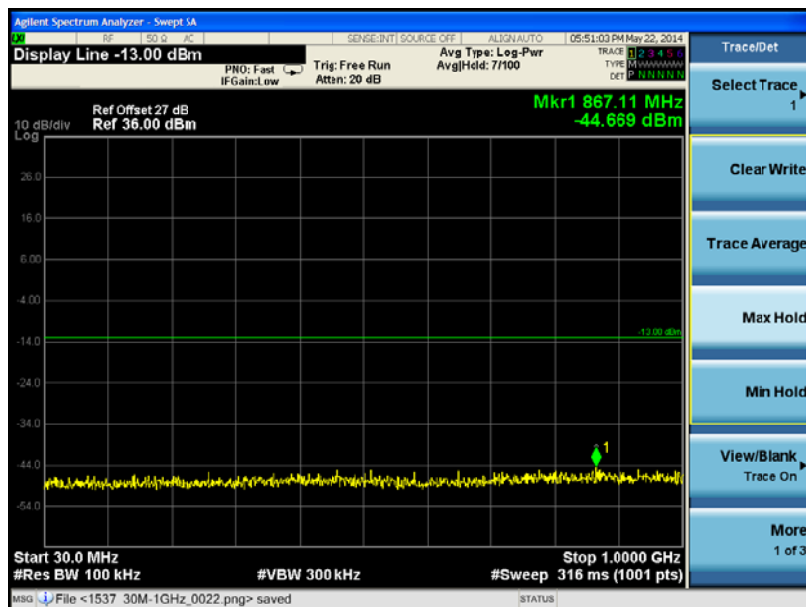
(Plot M 1.1: WCDMA1700MHz Channel = 1312, 1GHz to 20GHz)



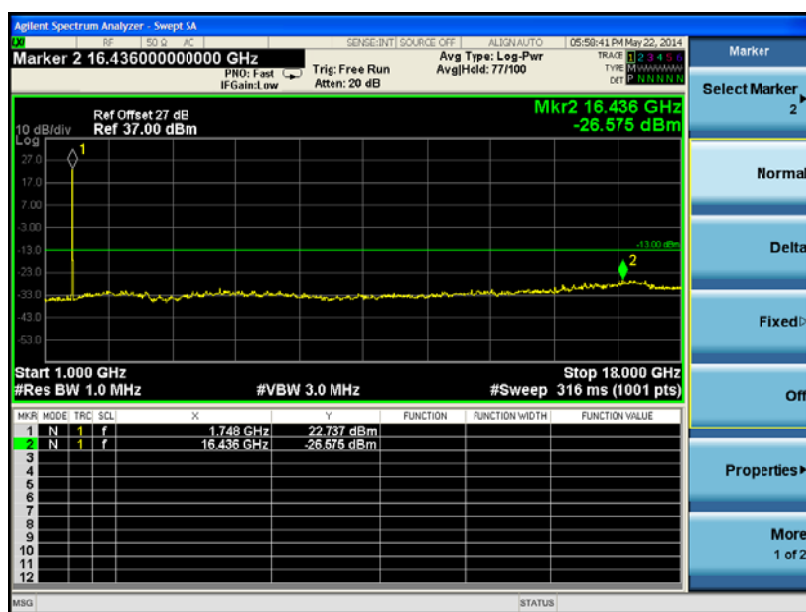
(Plot M2: WCDMA1700MHz Channel = 1412, 30MHz to 1GHz)



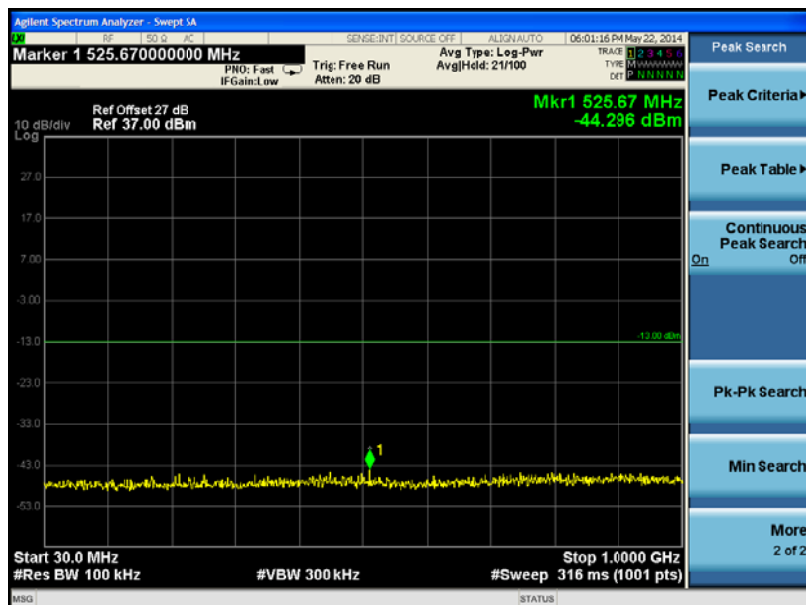
(Plot M2.1: WCDMA1700MHz Channel = 1412, 1GHz to 20GHz)



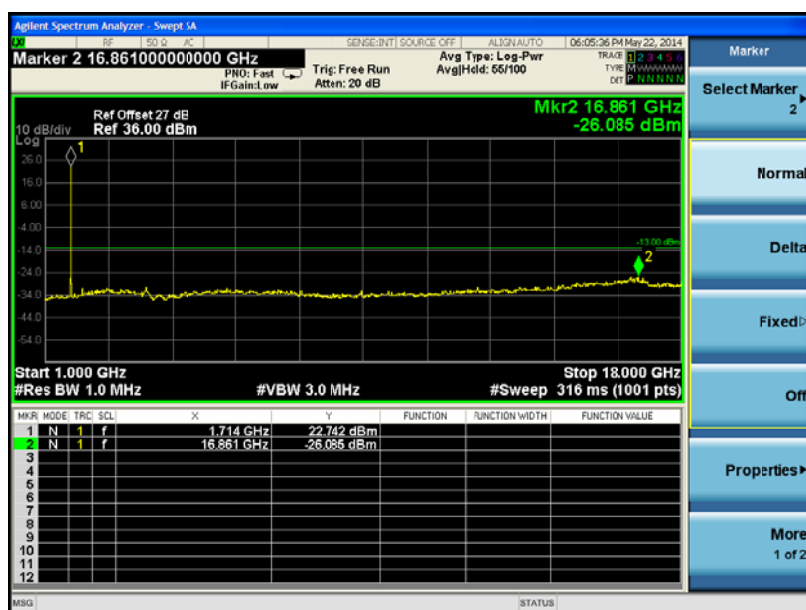
(Plot M3: WCDMA1700MHz Channel = 1513, 30MHz to 1GHz)



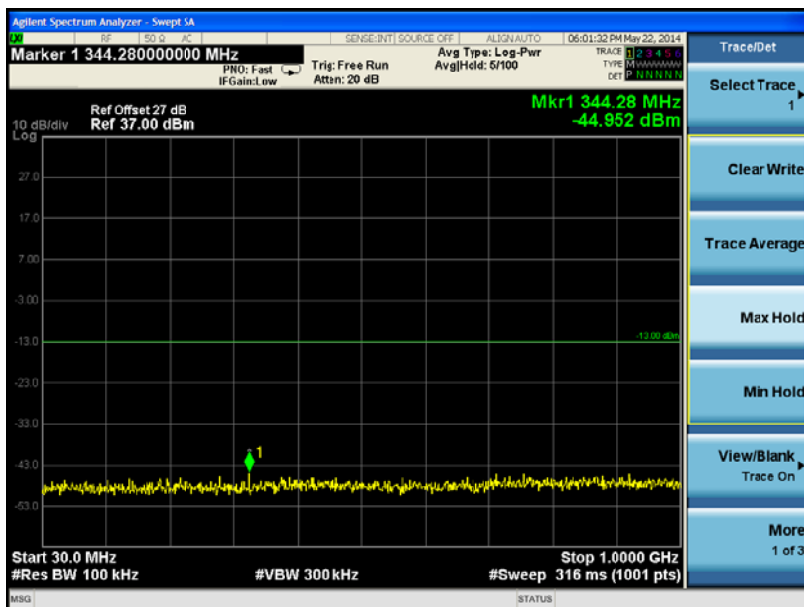
(Plot M3.1: WCDMA1700MHz Channel = 1513, 1GHz to 20GHz)



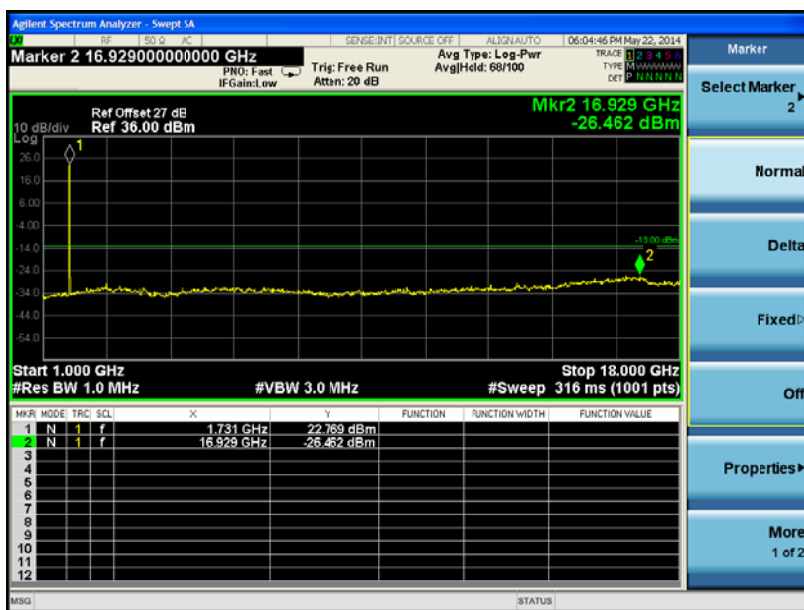
(Plot N1: HSDPA1700MHz Channel = 1312, 30MHz to 1GHz)



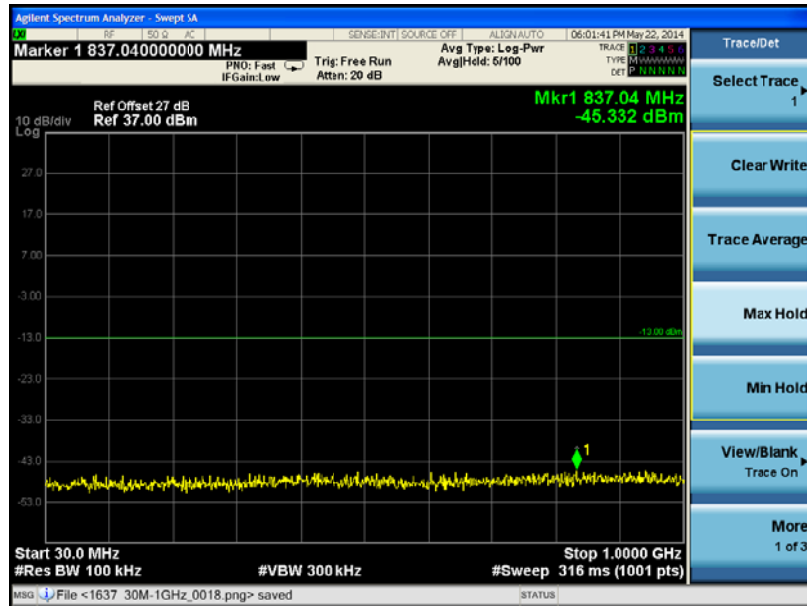
(Plot N1.1: HSDPA1700MHz Channel = 1312, 1GHz to 20GHz)



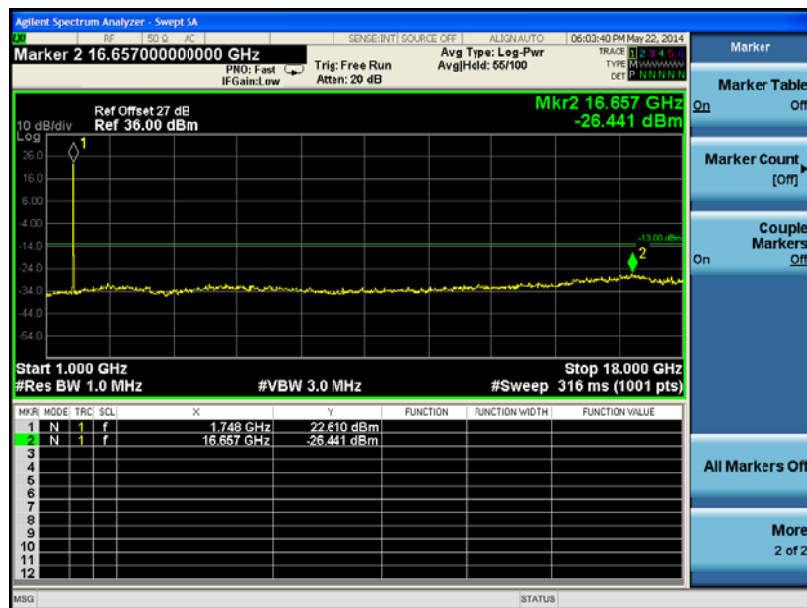
(Plot N2: HSDPA1700MHz Channel = 1412, 30MHz to 1GHz)



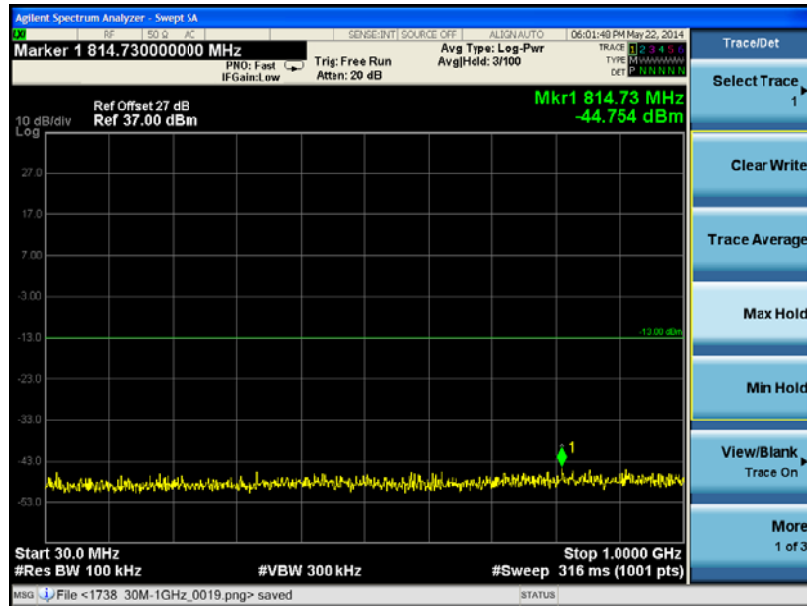
(Plot N2.1: HSDPA1700MHz Channel = 1412, 1GHz to 20GHz)



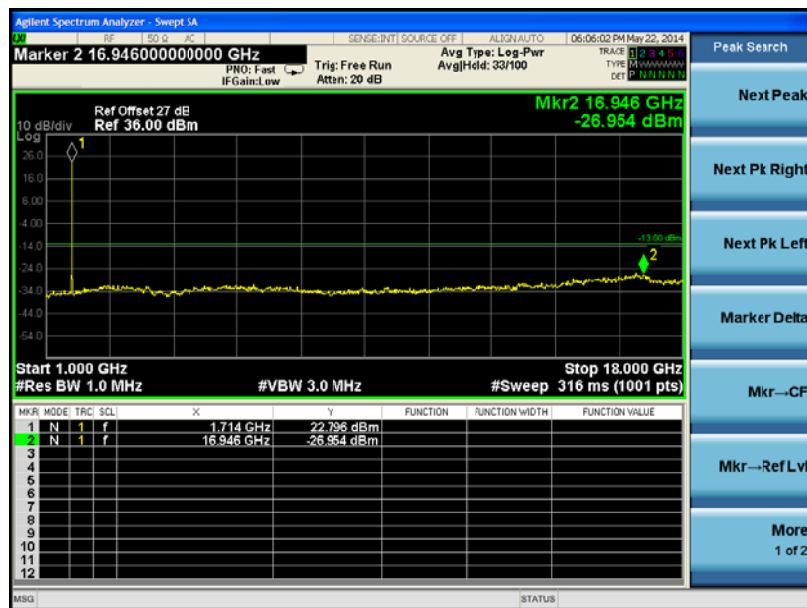
(Plot N3: HSDPA1700MHz Channel = 1513, 30MHz to 1GHz)



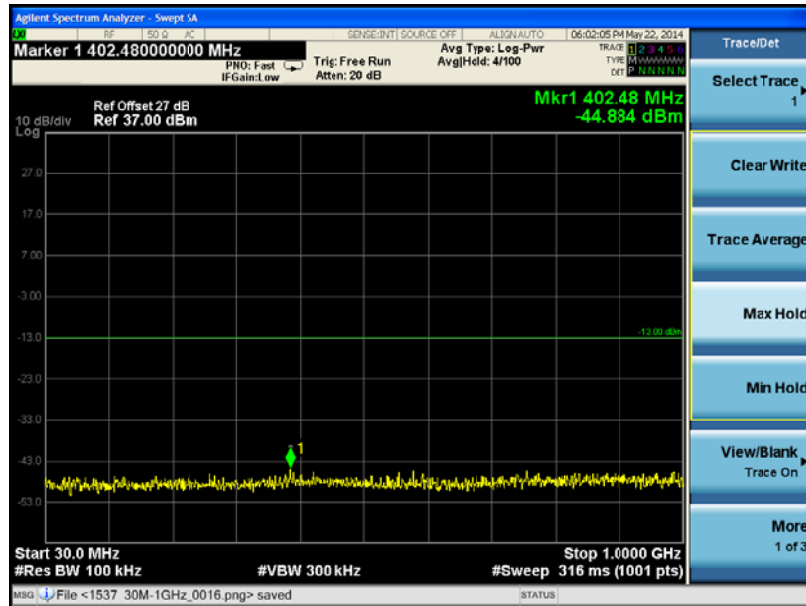
(Plot N3.1: HSDPA1700MHz Channel = 1513 1GHz to 20GHz)



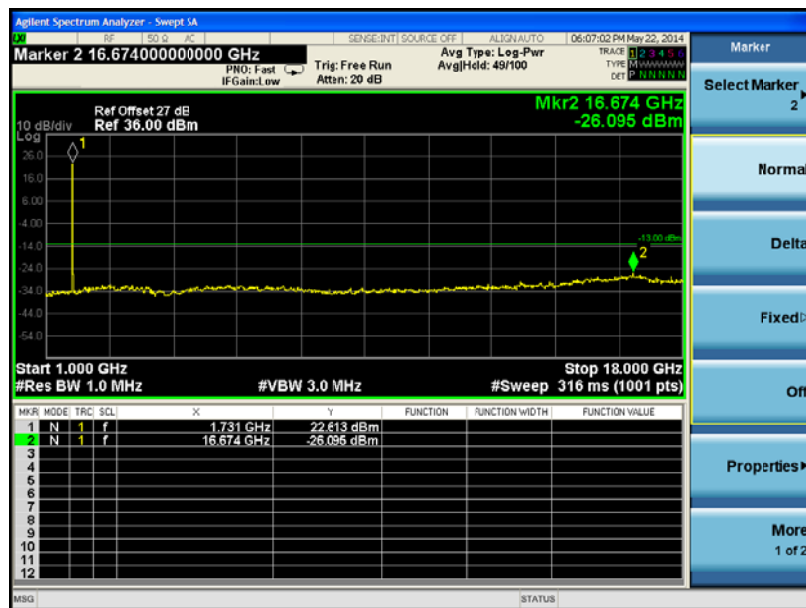
(Plot O1: HSUPA 1700MHz Channel = 1312, 30MHz to 1GHz)



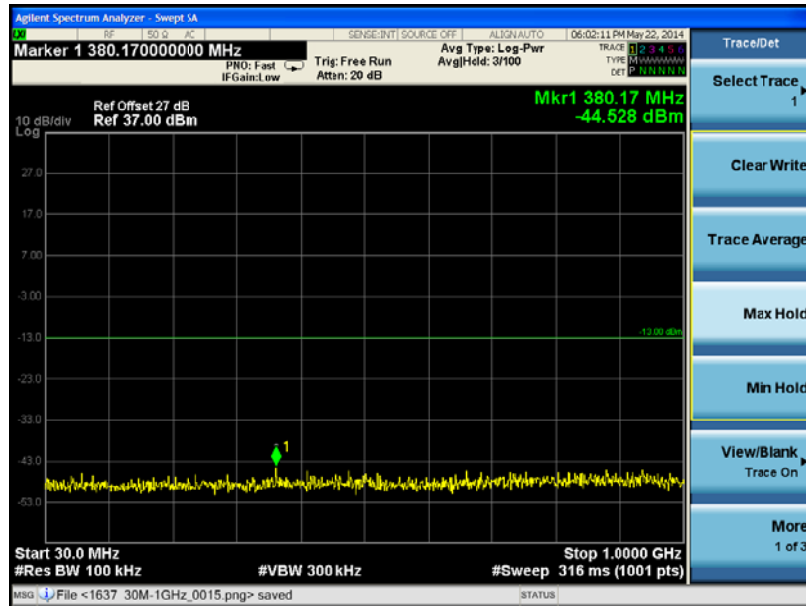
(Plot O1.1: HSUPA 1700MHz Channel = 1312, 1GHz to 20GHz)



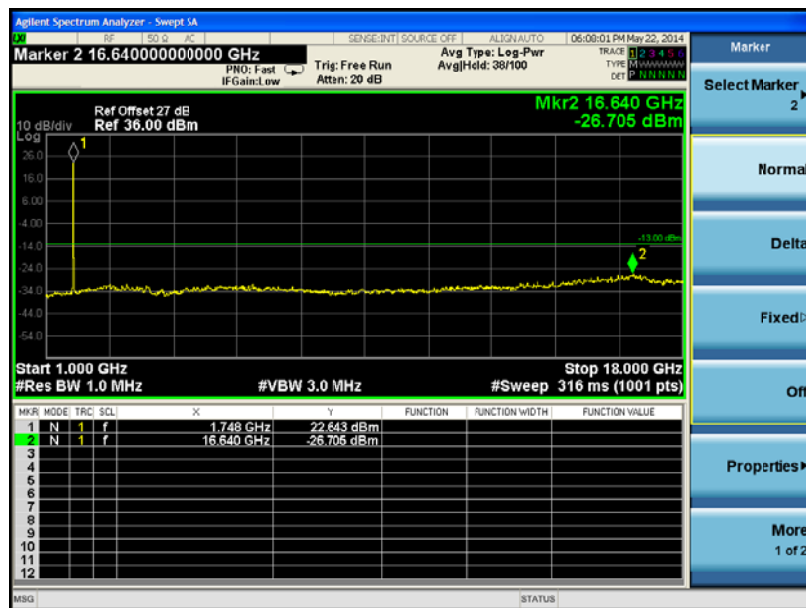
(Plot O2: HSUPA 1700MHz Channel = 1412, 30MHz to 1GHz)



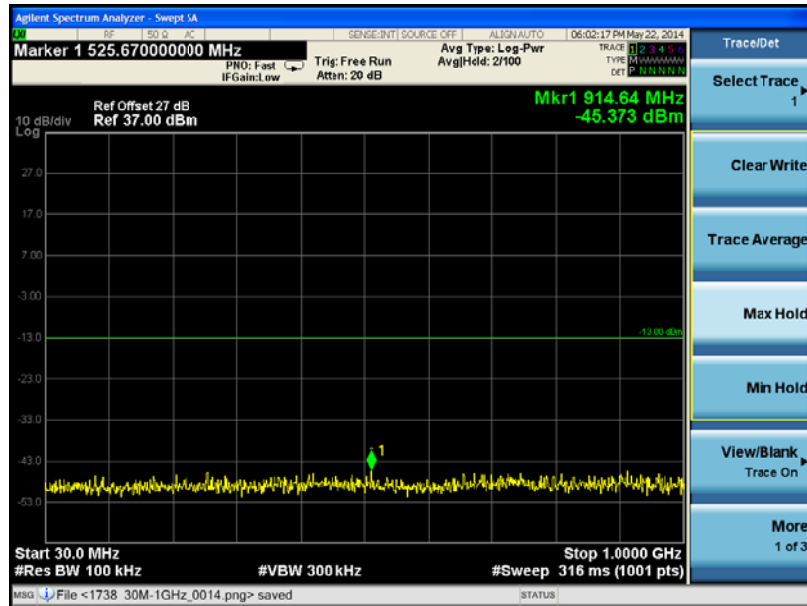
(Plot O2.1: HSUPA 1700MHz Channel = 1412, 1GHz to 20GHz)



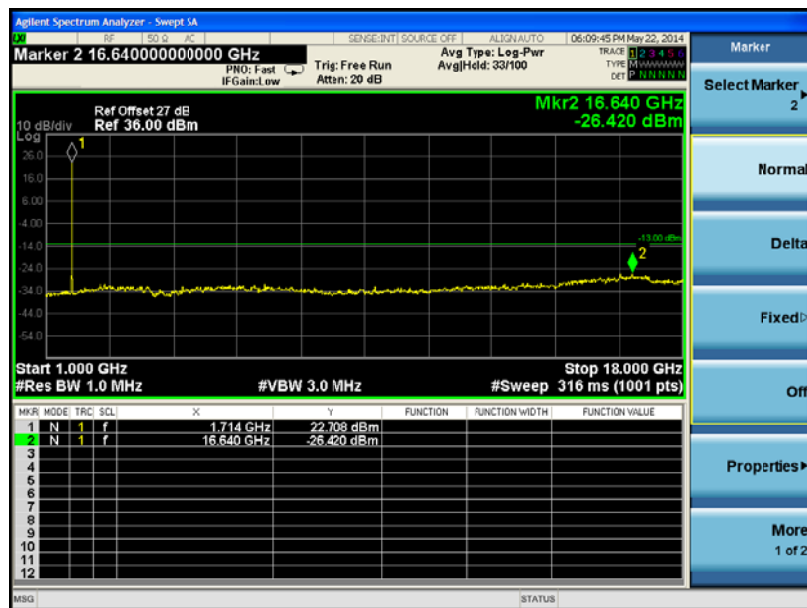
(Plot O3: HSUPA1700MHz Channel = 1513, 30MHz to 1GHz)



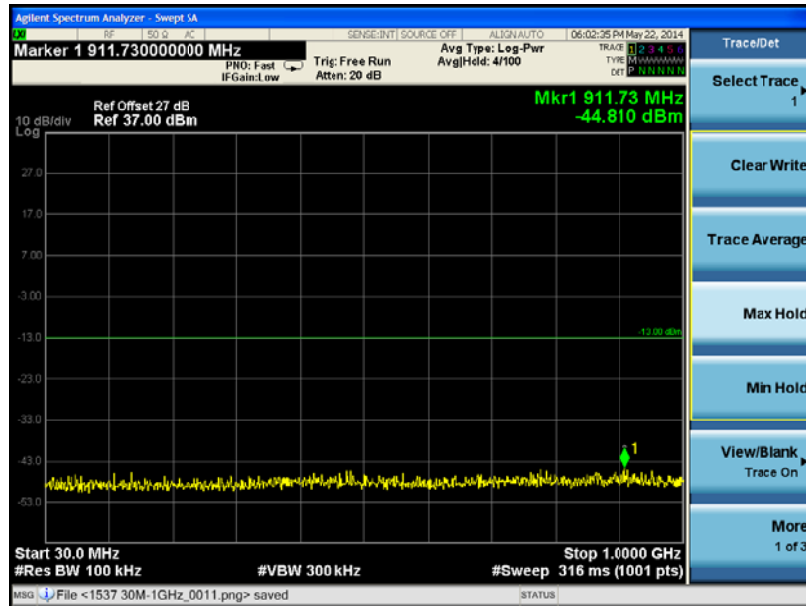
(Plot O3.1: HSUPA1700MHz Channel = 1513, 1GHz to 20GHz)



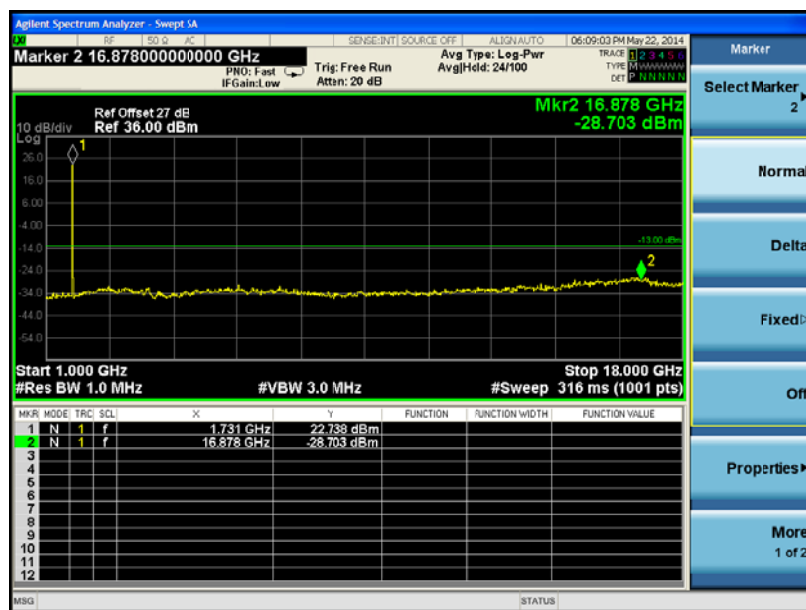
(Plot P1: HSPA+1700MHz Channel = 1312, 30MHz to 1GHz)



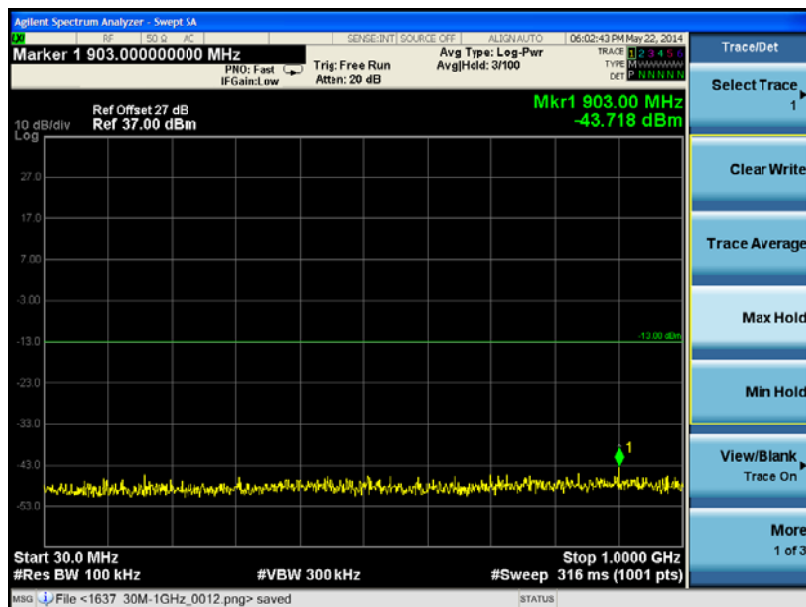
(Plot P1.1: HSPA+1700MHz Channel = 1312, 1GHz to 20GHz)



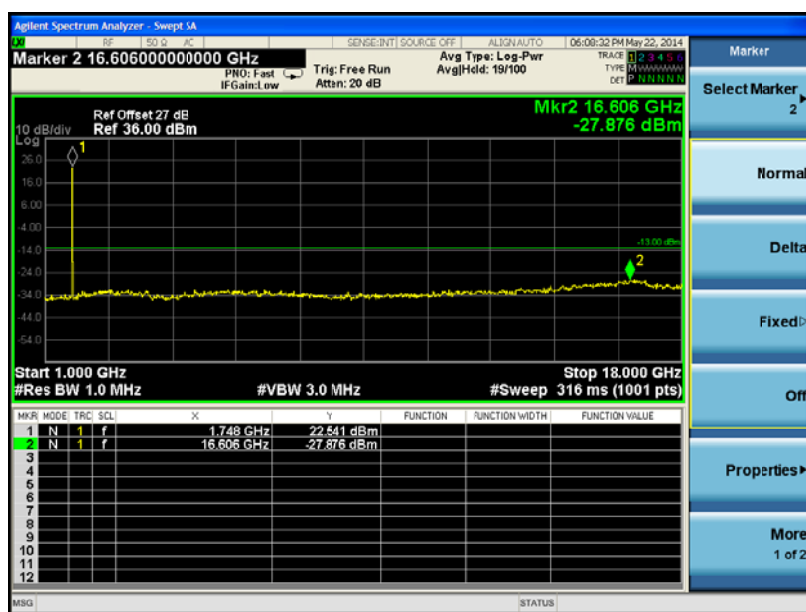
(Plot P2: HSPA+1700MHz Channel = 1412, 30MHz to 1GHz)



(Plot P2.1: HSPA+1700MHz Channel = 1412, 1GHz to 20GHz)



(Plot P3: HSPA+1700MHz Channel = 1513, 30MHz to 1GHz)



(Plot P3.1: HSPA+1700MHz Channel = 1513 1GHz to 20GHz)

2.6 Band Edge

2.6.1 Requirement

According to FCC section 22.917(b) and FCC section 24.238(b), 27.53(g)(h) 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

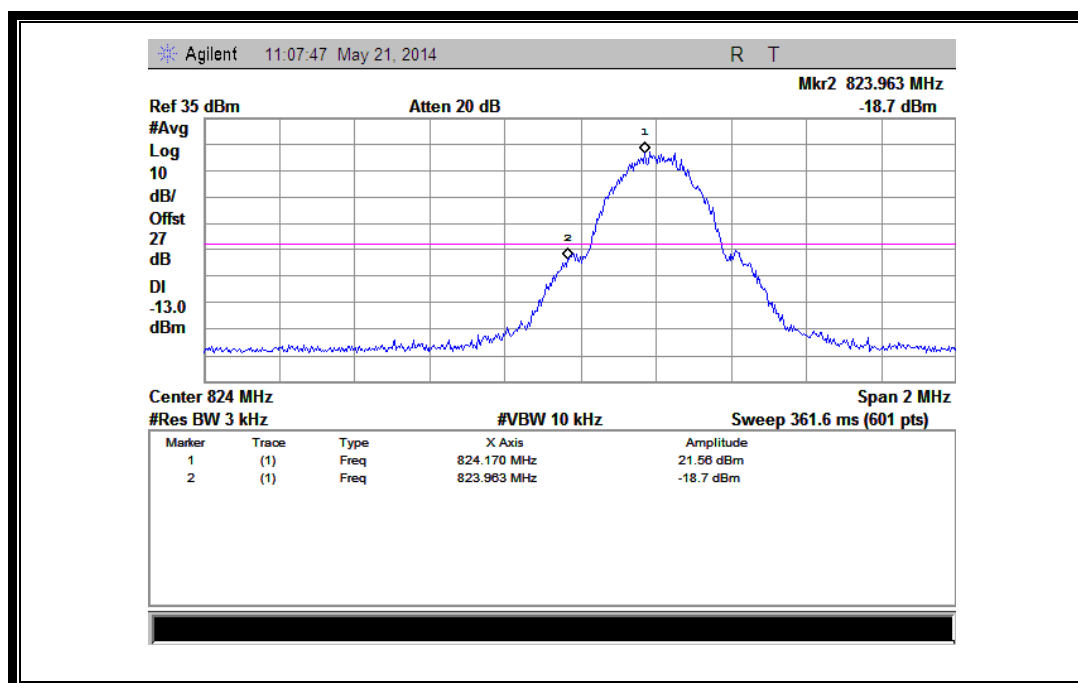
The lowest and highest channels are tested to verify the band edge emissions.

1. Test Verdict:

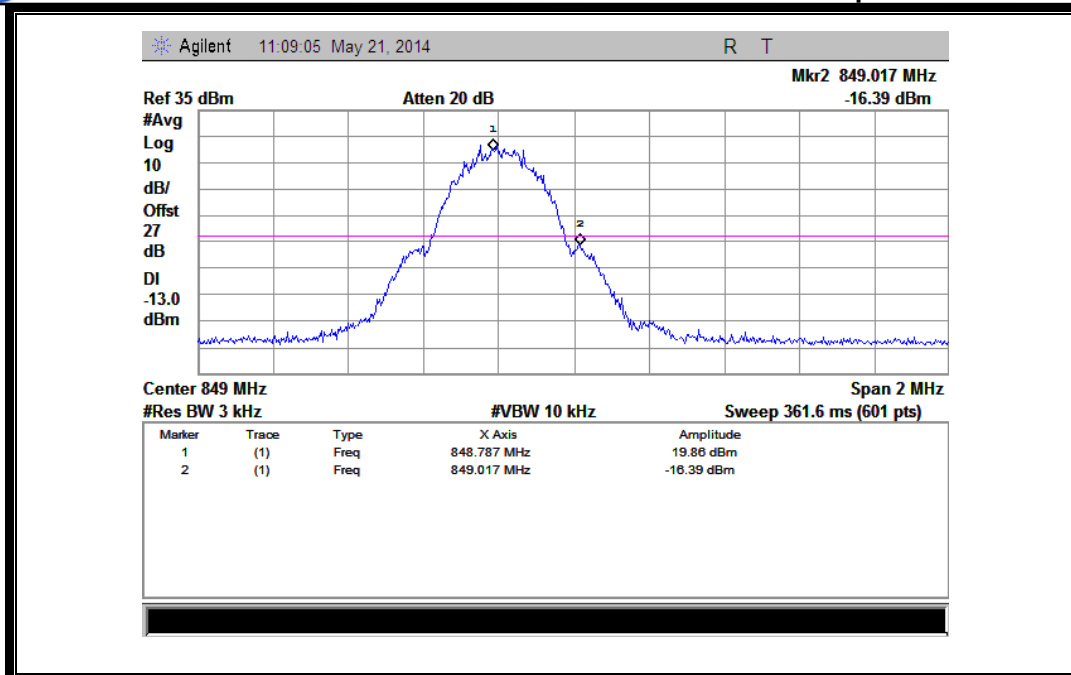
Band	Channel	Frequency (MHz)	Measured Max. Band Edge Emission (dBm)	Refer to Plot	Limit (dBm)	Verdict
GSM 850MHz	128	824.2	-18.70	Plat A	-13	<u>PASS</u>
	251	848.8	-16.39	Plot B		<u>PASS</u>
GSM 1900MHz	512	1850.2	-20.90	Plat C	-13	<u>PASS</u>
	810	1909.8	-19.94	Plot D		<u>PASS</u>
EDGE 850MHz	128	824.2	-15.62	Plat E	-13	<u>PASS</u>
	251	848.8	-17.27	Plot F		<u>PASS</u>
EDGE 1900MHz	512	1850.2	-22.08	Plat G	-13	<u>PASS</u>
	810	1909.8	-19.51	Plot H		<u>PASS</u>
WCDMA 850MHz	4132	826.4	-25.585	Plat I	-13	<u>PASS</u>
	4233	846.6	-26.881	Plot J		<u>PASS</u>
WCDMA 1900MHz	9262	1852.4	-28.615	Plat K	-13	<u>PASS</u>
	9538	1907.6	-27.434	Plot L		<u>PASS</u>
HSDPA 850MHz	4132	826.4	-24.564	Plat M	-13	<u>PASS</u>
	4233	846.6	-27.474	Plot N		<u>PASS</u>
HSDPA 1900MHz	9262	1852.4	-28.394	Plat O	-13	<u>PASS</u>
	9538	1907.6	-27.411	Plot P		<u>PASS</u>
HSUPA 850MHz	4132	826.4	-26.400	Plat Q	-13	<u>PASS</u>
	4233	846.6	-27.961	Plot R		<u>PASS</u>
HSUPA 1900MHz	9262	1852.4	-28.186	Plat S	-13	<u>PASS</u>
	9538	1907.6	-27.051	Plot T		<u>PASS</u>

HSPA+ 850MHz	4132	826.4	-25.469	Plat U	-13	<u>PASS</u>
	4233	846.6	-26.629	Plot V		<u>PASS</u>
HSPA+ 1900MHz	9262	1852.4	-29.299	Plat W	-13	<u>PASS</u>
	9538	1907.6	-26.909	Plot X		<u>PASS</u>
WCDMA 1700MHz	1312	1712.4	-22.386	Plat Y	-13	<u>PASS</u>
	1513	1752.6	-24.219	Plat Z		<u>PASS</u>
HSDPA 1700MHz	1312	1712.4	-23.553	Plot A1	-13	<u>PASS</u>
	1513	1752.6	-24.124	Plat B1		<u>PASS</u>
HSUPA 1700MHz	1312	1712.4	-22.525	Plot C1	-13	<u>PASS</u>
	1513	1752.6	-24.345	Plat D1		<u>PASS</u>
HSPA+ 1700MHz	1312	1712.4	-22.957	Plot E1	-13	<u>PASS</u>
	1513	1752.6	-25.349	Plat F1		<u>PASS</u>

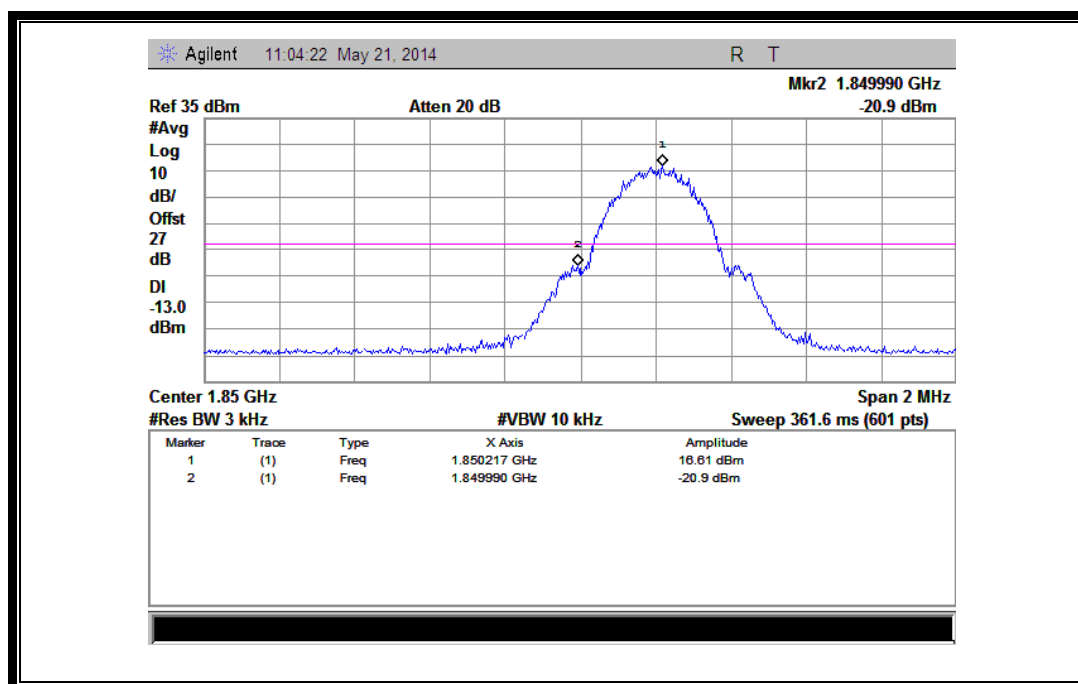
2. Test Plots:



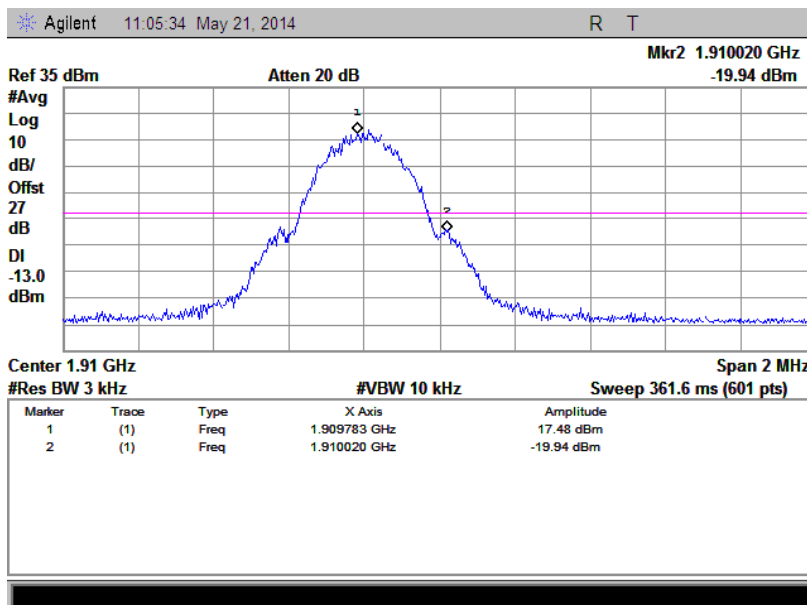
(Plot A: GSM 850 Channel = 128)



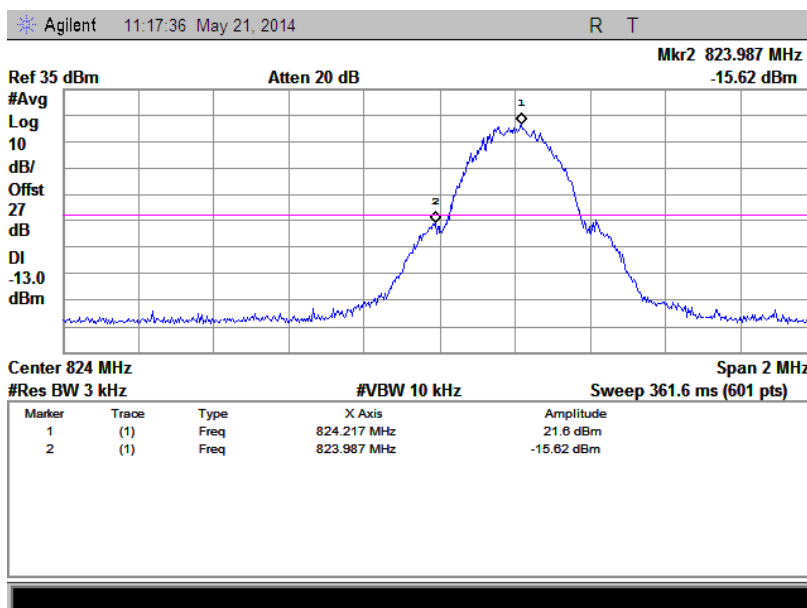
(Plot B: GSM 850 Channel = 251)



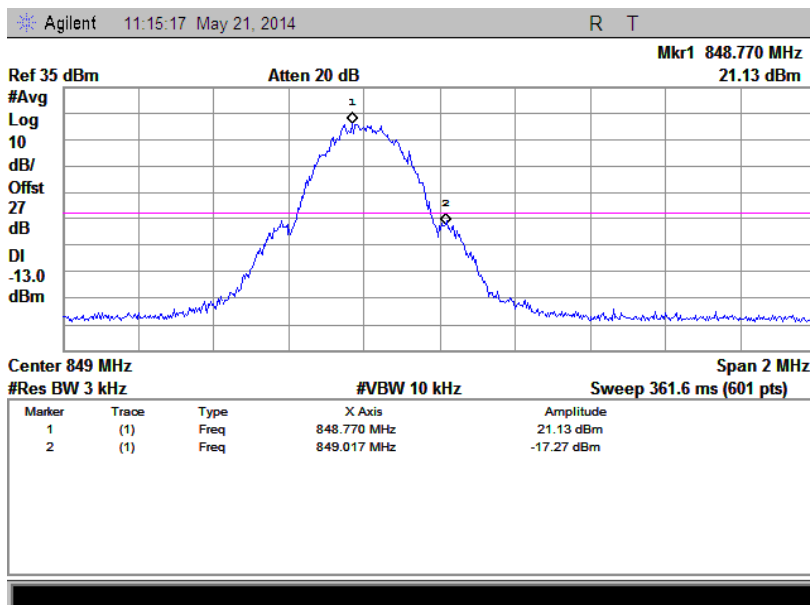
(Plot C: GSM 1900 Channel = 512)



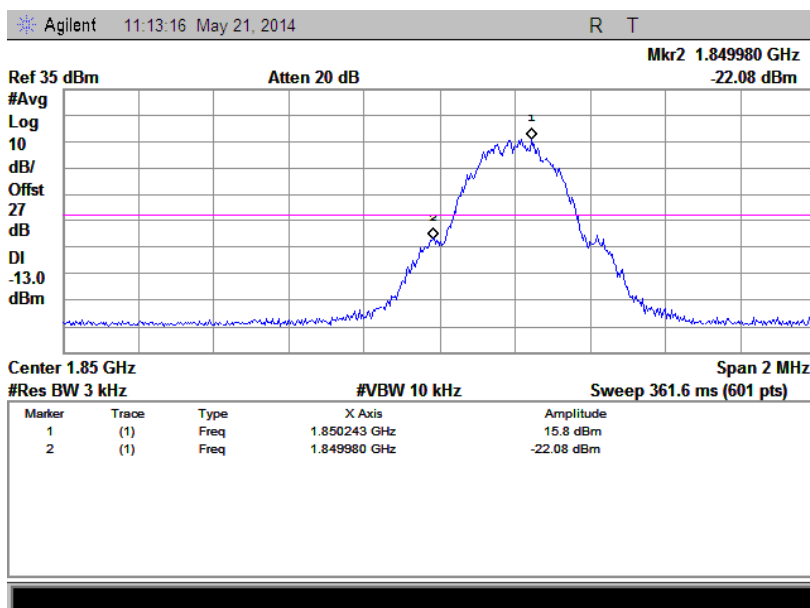
(Plot D: GSM 1900 Channel = 810)



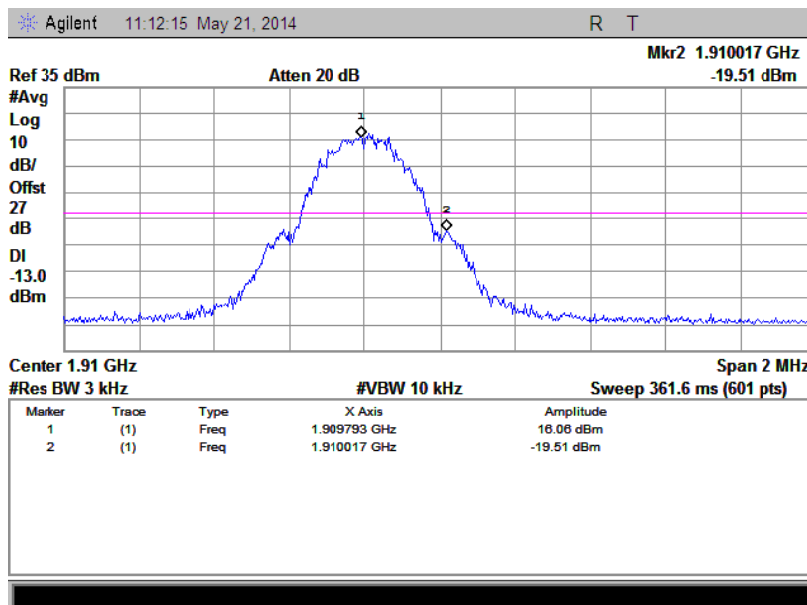
(Plot E: EGPRS 850 Channel = 128)



(Plot F: EGPRS 850 Channel = 251)



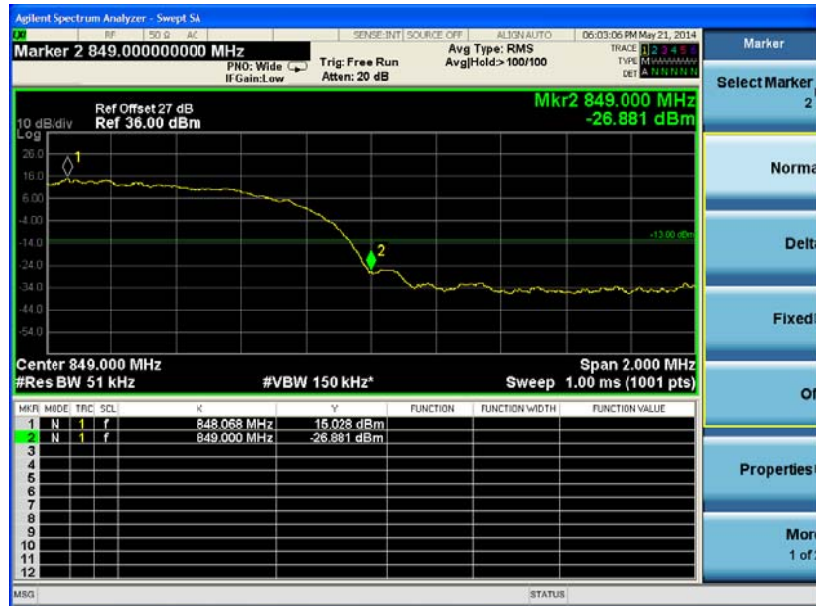
(Plot G: EGPRS 1900 Channel = 512)



(Plot H: EGPRS 1900 Channel = 810)



(Plot I: WCDMA 850 Channel = 4132)



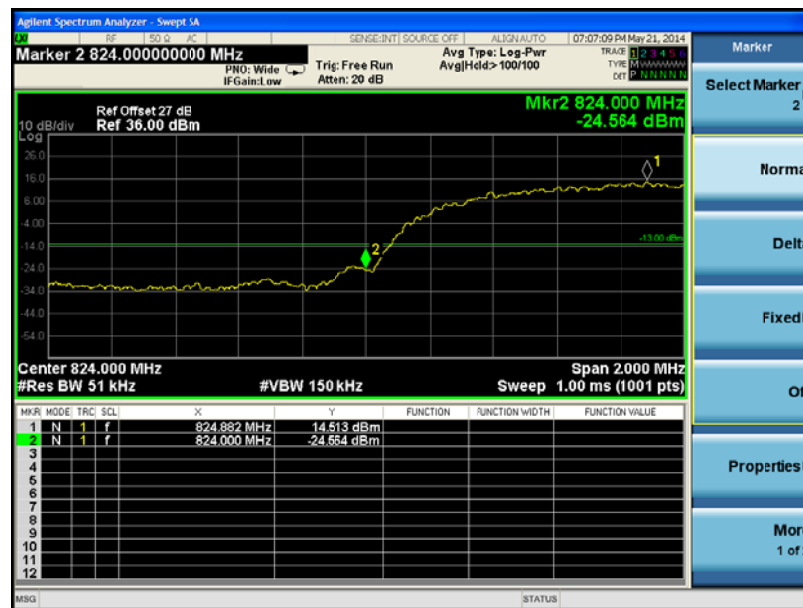
(Plot J: WCDMA 850 Channel = 4233)



(Plot K: WCDMA 1900 Channel = 9262)



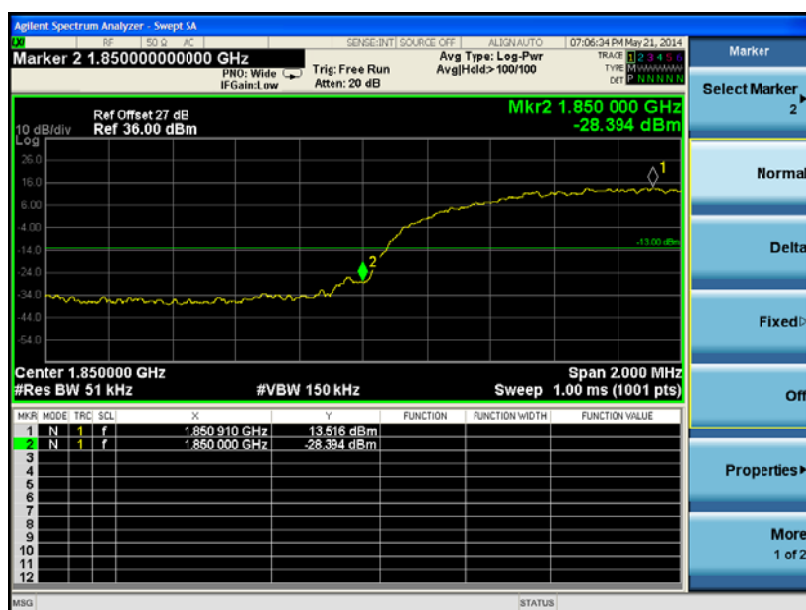
(Plot L: WCDMA 1900 Channel = 9538)



(Plot M: HSDPA 850 Channel = 4132)



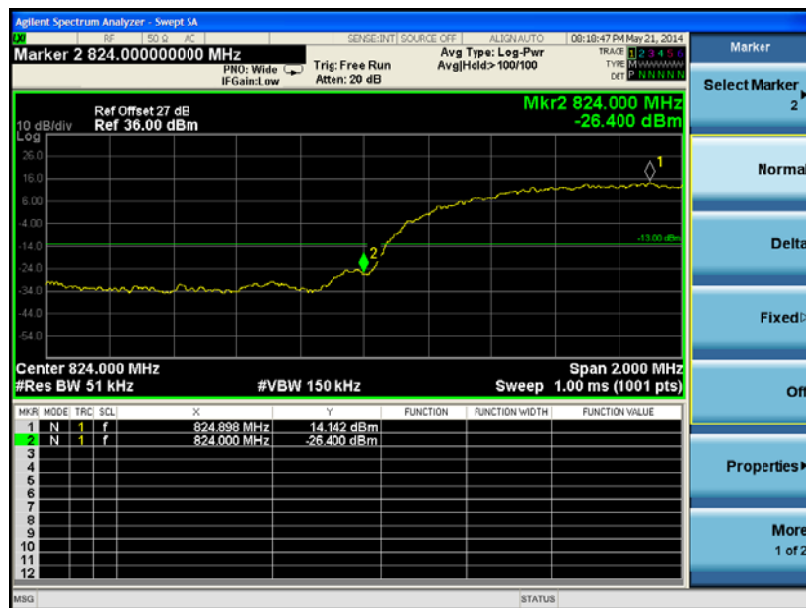
(Plot N: HSDPA850 Channel = 4233)



(Plot O: HSDPA 1900 Channel = 9262)



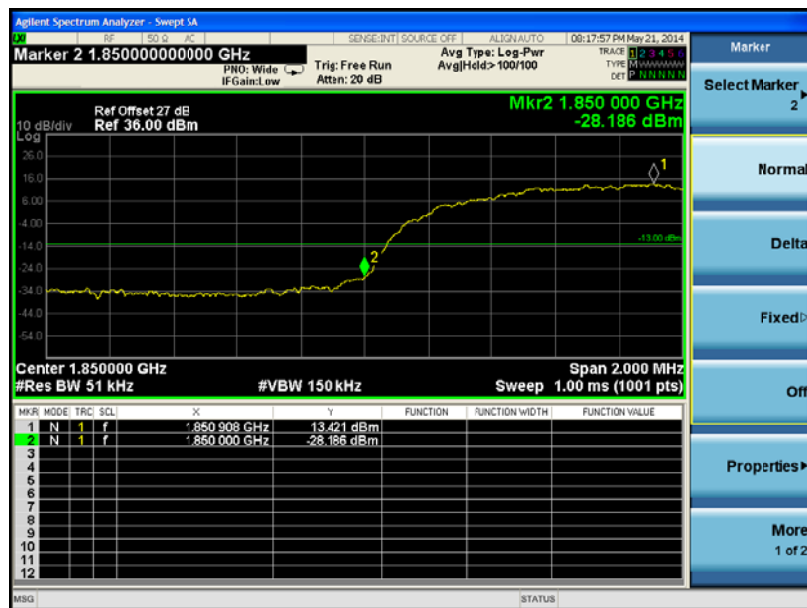
(Plot P: HSDPA 1900 Channel = 9538)



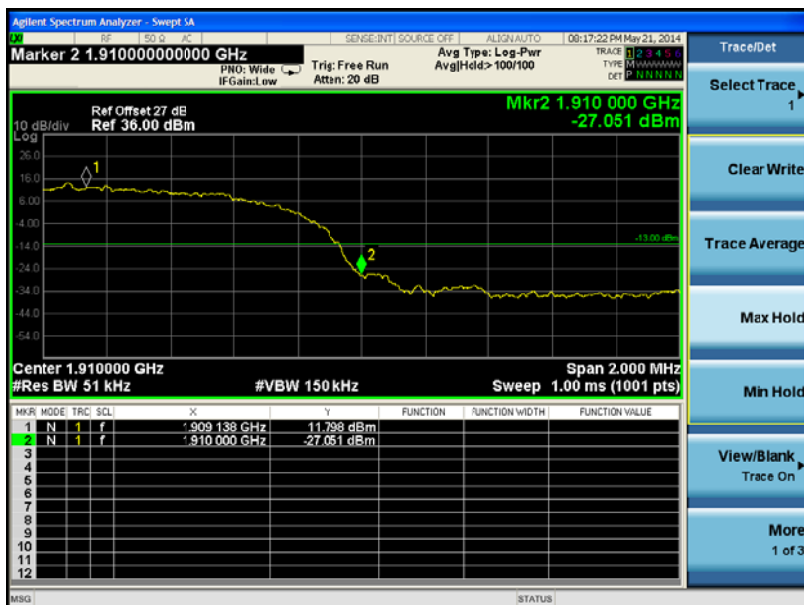
(Plot Q: HSUPA 850 Channel = 4132)



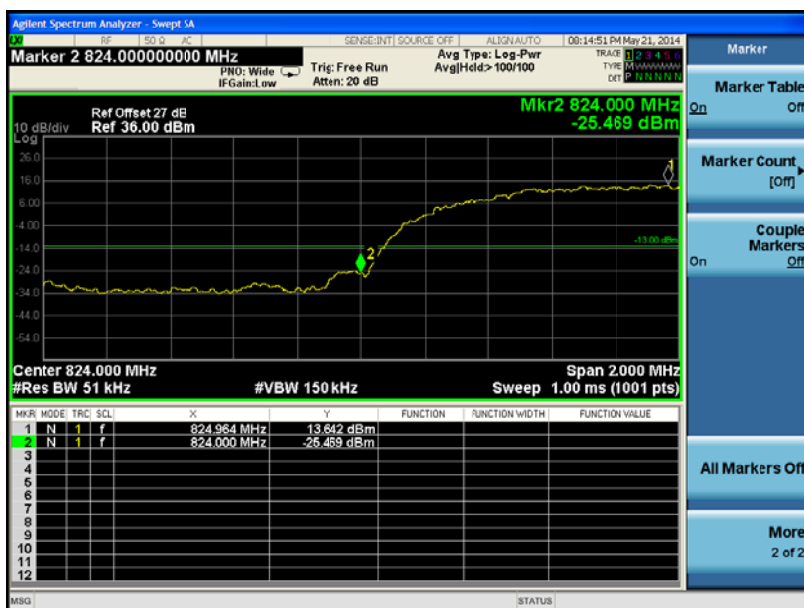
(Plot R: HSUPA850 Channel = 4233)



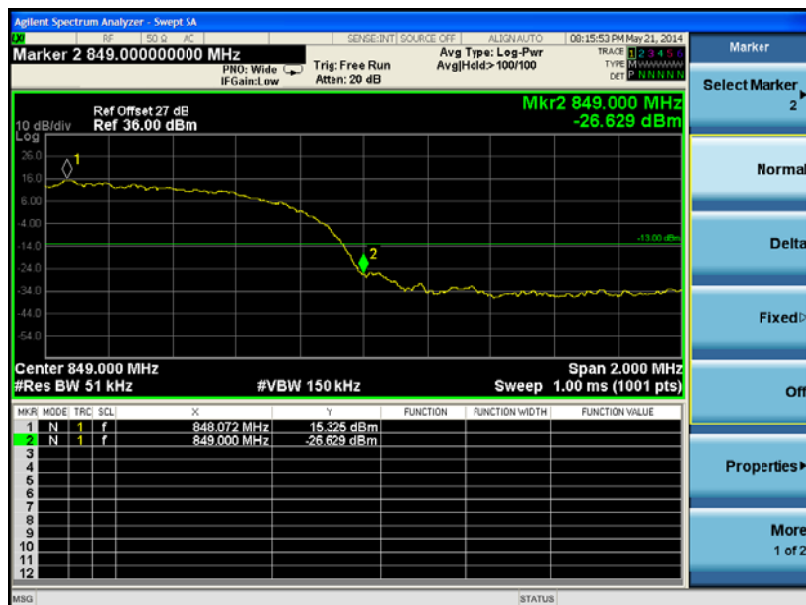
(Plot S: HSUPA 1900 Channel = 9262)



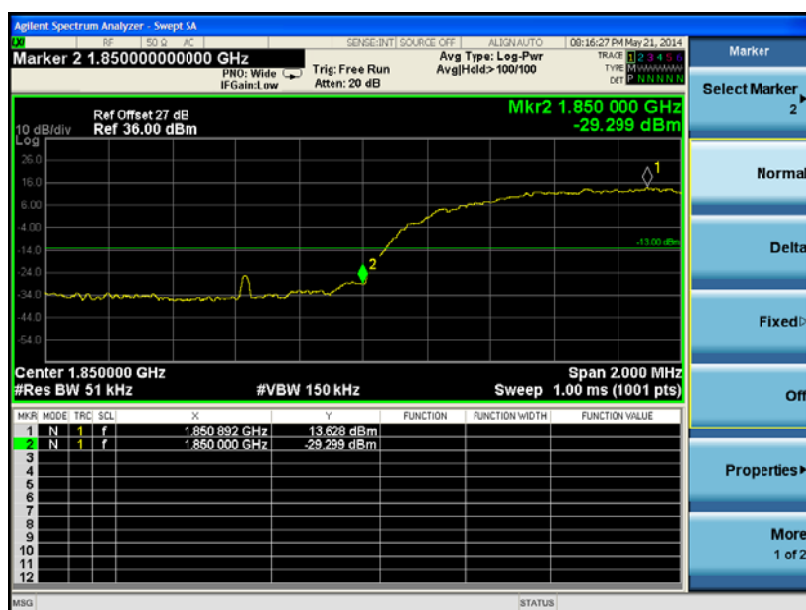
(Plot T: HSUPA 1900 Channel = 9538)



(Plot U: HSPA+ 850 Channel = 4132)



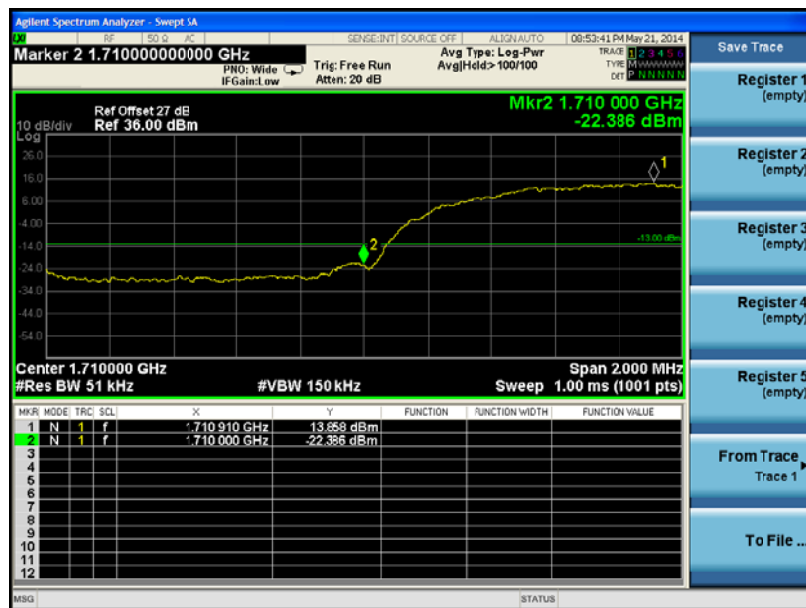
(Plot V: HSPA+ 850 Channel = 4233)



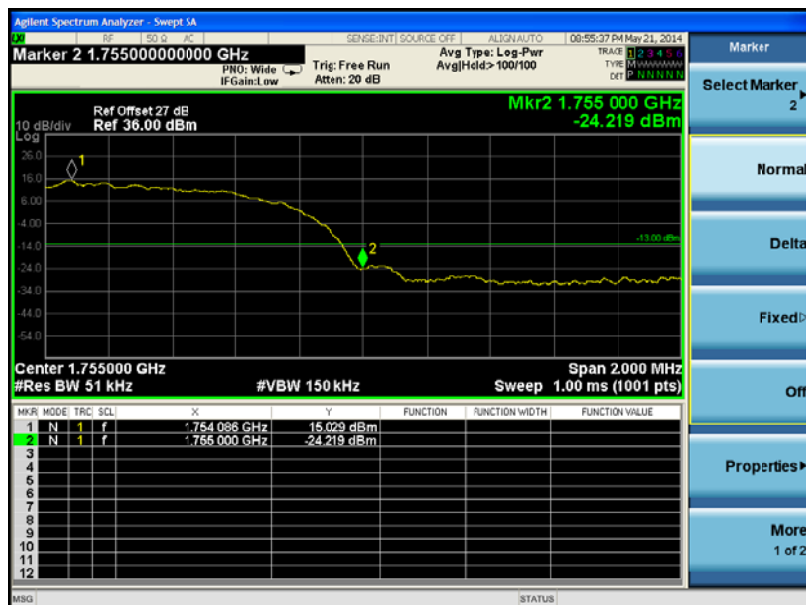
(Plot W: HSPA+ 1900 Channel = 9262)



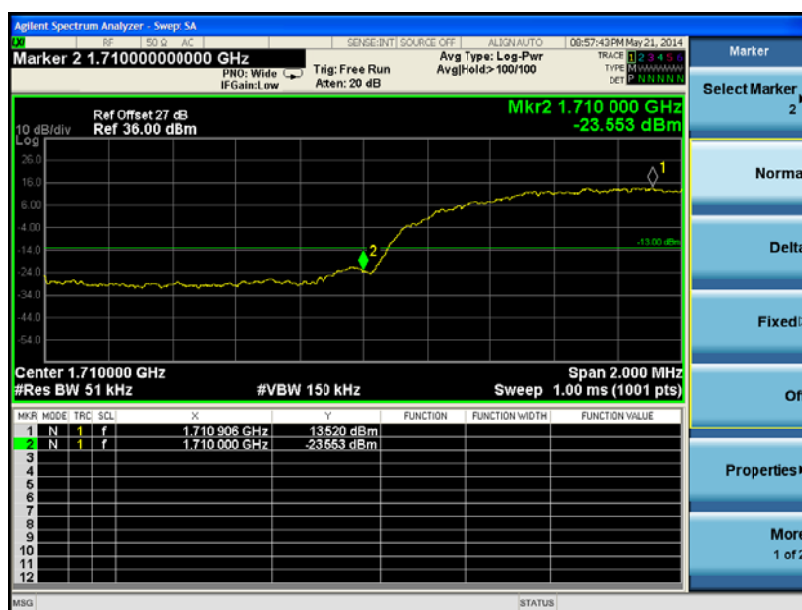
(Plot X: HSPA+ 1900 Channel = 9538)



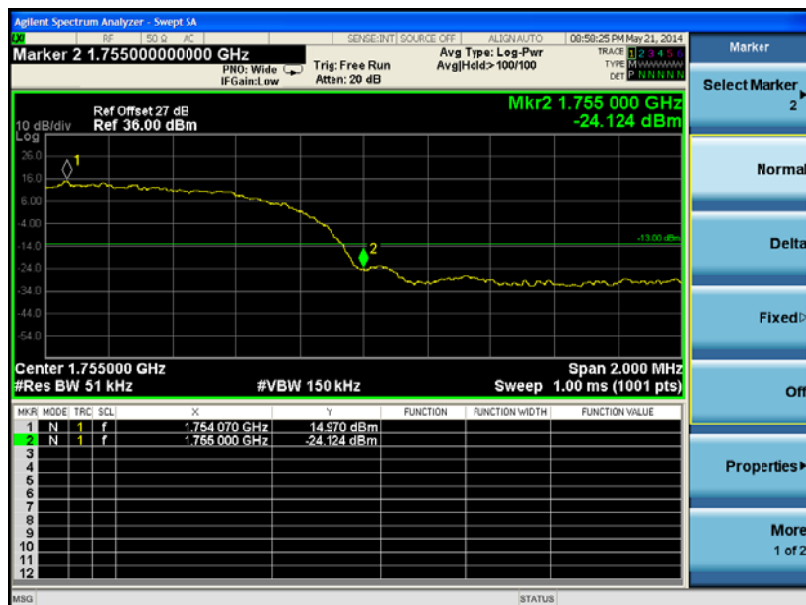
(Plot Y: WCDMA 1700 Channel = 1312)



(Plot Z: WCDMA 1700 Channel = 1513)



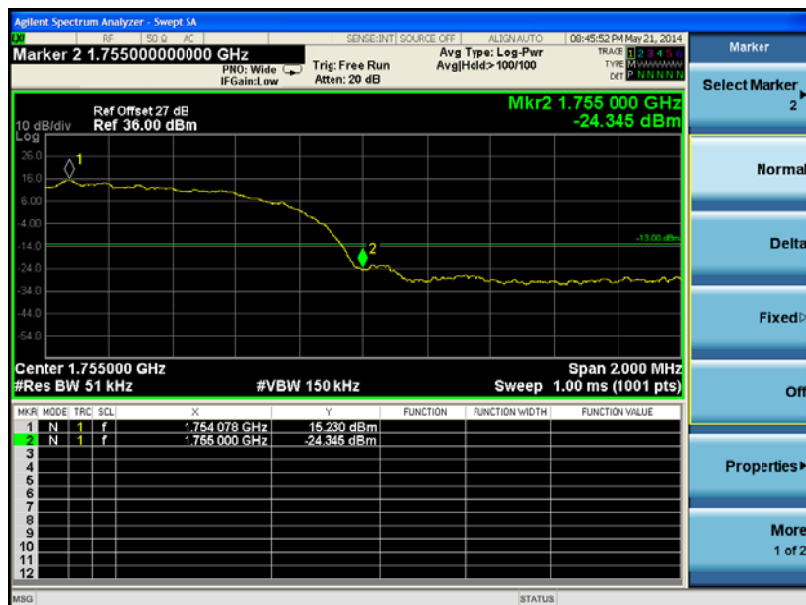
(Plot A1:HSDPA 1700 Channel = 1312)



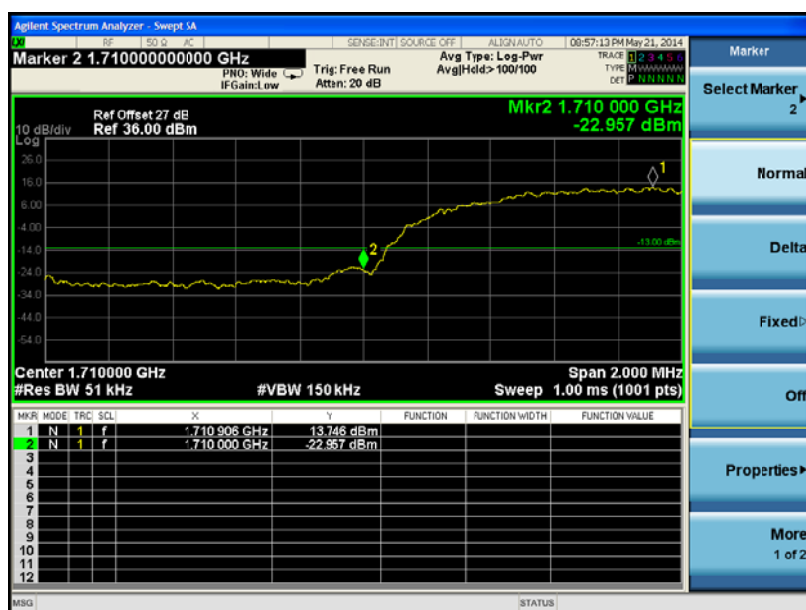
(Plot B1: HSDPA 1700 Channel = 1513)



(Plot C1: HSUPA 1700 Channel = 1312)



(Plot D1: HSUPA1700 Channel = 1513)



(Plot E1: HSPA+ 1700 Channel = 1312)



(Plot F1:HSPA+ 1700 Channel = 1513)

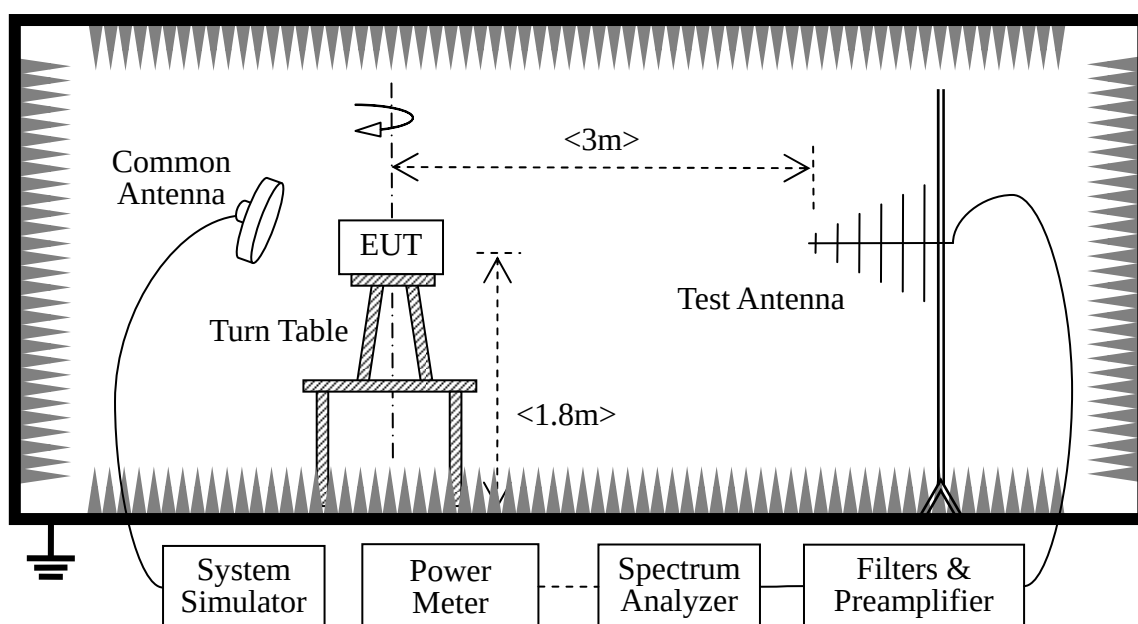
2.7 Transmitter Radiated Power (EIRP/ERP)

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. FCC section 27.50, AWS 1700 test transmitters must not exceed 1Watts

2.7.2 Test Description

1. 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 33.27dBm, GSM 1900 30.69dBm, EGPRS 850 33.25dBm, EGPRS 30.90 WCDMA 850 24.28dBm, WCDMA 1900 24.14 dBm, WCDMA1700 24.20 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 850 0.39dBm ,WCDMA 1900 0.5dBm WCDMA 1700 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.

2. Equipments List:

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
System Simulator	Agilent	E5515C	GB43130131	2014.02.26	2015.02.25
Spectrum Analyzer	Agilent	E7405A	US44210471	2014.02.26	2015.02.25
Full-Anechoic Chamber	Albatross	9m*6m*6m	(n.a.)	2014.02.26	2015.02.25
Test Antenna - Bi-Log	Schwarzbeck	VULB 9163	9163-274	2014.02.26	2015.02.25
Test Antenna - Horn	Schwarzbeck	BBHA 9120C	9120C-384	2014.02.26	2015.02.25
Substitution Antenna	Schwarzbeck	BBHA 9120C	9120C-384	2014.02.26	2015.02.25
Pre-AMPs	lucix	S10M100L3802	S020180L3203	2014.02.26	2015.02.25
Notch Filter	COM-MW	ZBSF-C836.5-25-X	NA	2014.02.26	2015.02.25
Notch Filter	COM-MW	ZBSF-C1747.5-75-X2	NA	2014.02.26	2015.02.25
Notch Filter	COM-MW	ZBSF-C1880-60-X2	NA	2014.02.26	2015.02.25

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} .

1. 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	33.95	2.483	Plot A	38.5	7	PASS
	190	836.60	5	33.30	2.138				PASS
	251	848.80	5	33.26	2.118				PASS
GPRS 850MHz	128	824.20	5	33.13	2.056	Plot B ^{Note 1}	38.5	7	PASS
	190	836.60	5	33.06	2.023				PASS
	251	848.80	5	33.02	2.004				PASS
EGPRS 850MHz	128	824.20	5	33.93	2.472	Plot C ^{Note 1}	38.5	7	PASS
	190	836.60	5	33.69	2.339				PASS
	251	848.80	5	33.23	2.104				PASS
Band	Channel	Frequency (MHz)	PCL	Measured EIRP			Limit		Verdict
				dBm	W	Refer to Plot	dBm	W	
GSM 1900MHz	512	1850.2	0	30.00	1.000	Plot D	33	2	PASS
	661	1880.0	0	30.77	1.194				PASS
	810	1909.8	0	30.70	1.175				PASS
GPRS 1900MHz	512	1850.2	0	30.04	1.010	Plot E ^{Note 1}	33	2	PASS
	661	1880.0	0	30.38	1.091				PASS
	810	1909.8	0	30.38	1.091				PASS
EGPRS 1900MHz	512	1850.2	0	30.07	1.016	Plot F ^{Note 1}	33	2	PASS
	661	1880.0	0	30.94	1.242				PASS
	810	1909.8	0	30.43	1.104				PASS
Note 1:	For the GPRS and EGPRS model, all the slots were tested and just the worst data was record in this report.								

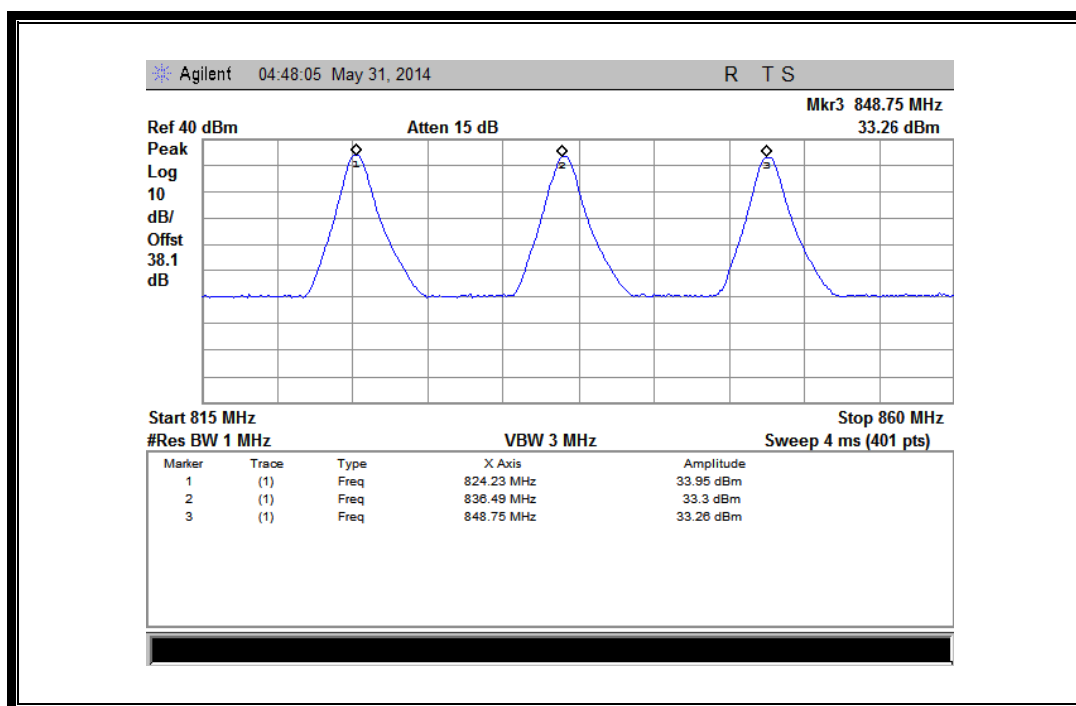
2. WCDMA Model Test Verdict:

Band	Channel	Frequency (MHz)	Measured ERP			Limit		Verdict
			dBm	W	Refer to Plot	dBm	W	
WCDMA 850MHz	4132	826.4	29.05	0.804	Plot G	38.5	7	PASS
	4175	835	28.61	0.726				PASS
	4233	846.6	27.76	0.597				PASS
HSDPA 850MHz	4132	826.4	28.61	0.726	Plot H	38.5	7	PASS
	4175	835	28.62	0.728				PASS
	4233	846.6	27.68	0.586				PASS
HSUPA 850MHz	4132	826.4	28.78	0.755	Plot I	38.5	7	PASS
	4175	835	28.49	0.706				PASS
	4233	846.6	27.32	0.540				PASS
HSPA+ 850MHz	4132	826.4	28.79	0.757	Plot J	38.5	7	PASS
	4175	835	28.58	0.721				PASS
	4233	846.6	27.41	0.551				PASS

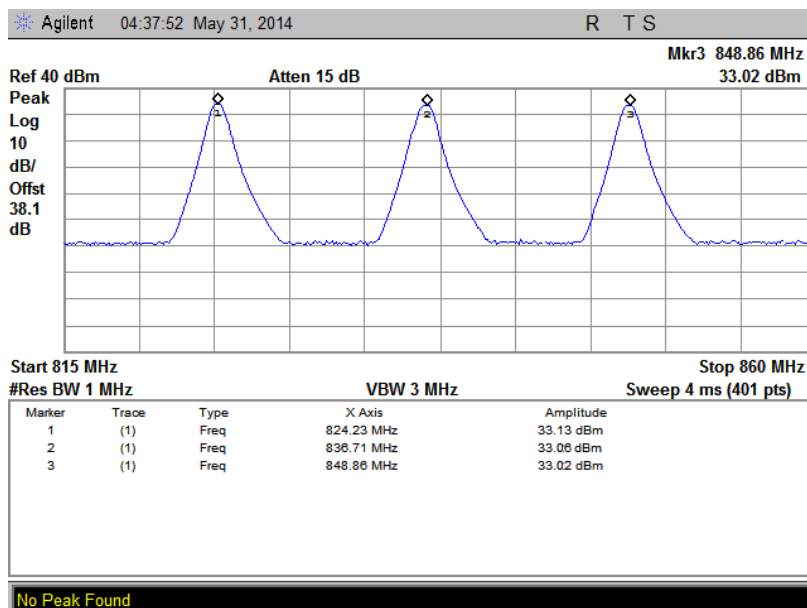
Band	Channel	Frequency (MHz)	Measured EIRP			Limit		Verdict
			dBm	W		dBm	W	
WCDMA 1900MHz	9262	1852.4	24.58	0.287	Plot K	33	2	PASS
	9400	1880	25.71	0.372				PASS
	9538	1907.6	25.08	0.322				PASS
HSDPA 1900MHz	9262	1852.4	24.70	0.295	Plot L	33	2	PASS
	9400	1880	25.43	0.349				PASS
	9538	1907.6	25.00	0.316				PASS
HSUPA 1900MHz	9262	1852.4	24.45	0.279	Plot M	33	2	PASS
	9400	1880	25.53	0.357				PASS
	9538	1907.6	25.02	0.318				PASS
HSPA+ 1900MHz	9262	1852.4	25.39	0.346	Plot N	33	2	PASS
	9400	1880	25.86	0.385				PASS
	9538	1907.6	26.15	0.412				PASS

Band	Channel	Frequency (MHz)	Measured EIRP			Limit		Verdict
			dBm	W		dBm	W	
WCDMA 1700MHz	1312	1712.4	25.61	0.364	Plot O	30	1	PASS
	1412	1732.4	24.47	0.280				PASS
	1513	1752.6	25.07	0.321				PASS
HSDPA 1700MHz	1312	1712.4	25.47	0.352	Plot P	30	1	PASS
	1412	1732.4	24.69	0.294				PASS
	1513	1752.6	25.09	0.323				PASS
HSUPA 1700MHz	1312	1712.4	25.36	0.344	Plot Q	30	1	PASS
	1412	1732.4	24.38	0.274				PASS
	1513	1752.6	25.36	0.344				PASS
HSPA+ 1700MHz	1312	1712.4	25.47	0.352	Plot R	30	1	PASS
	1412	1732.4	24.47	0.280				PASS
	1513	1752.6	25.58	0.361				PASS

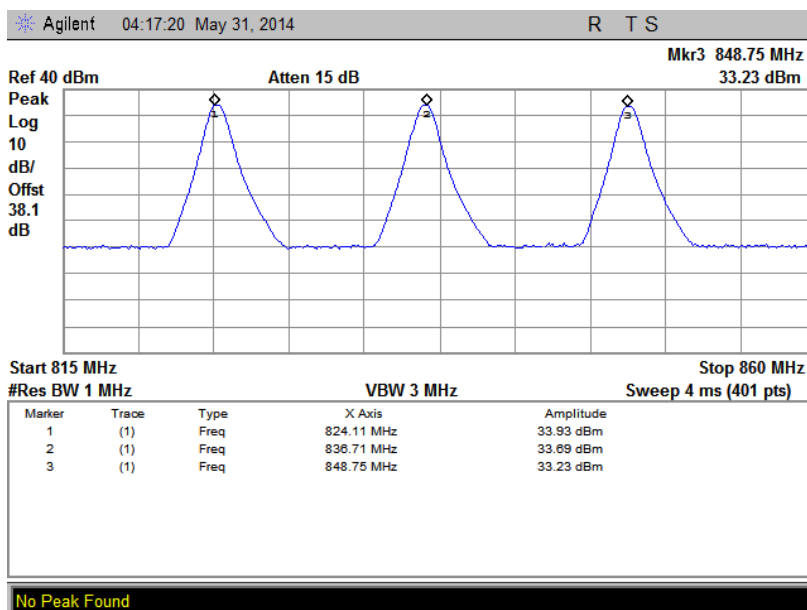
3. Test Plots:



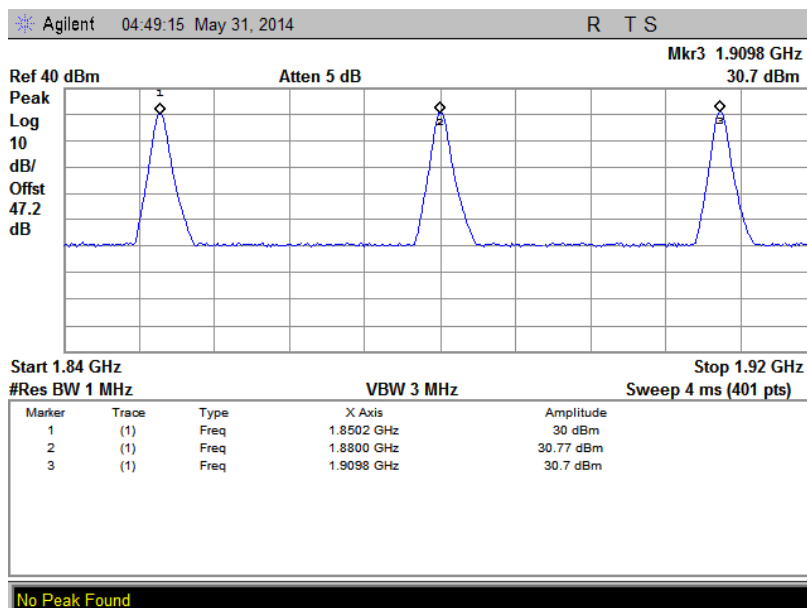
(Plot A: GSM 850MHz Channel = 128, 190, 251)



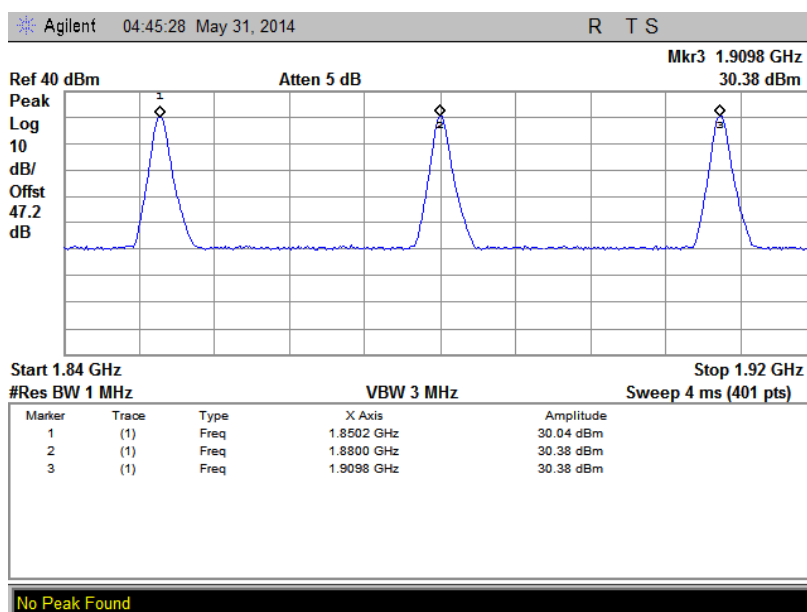
(Plot B: GPRS 850MHz Channel = 128, 190, 251)



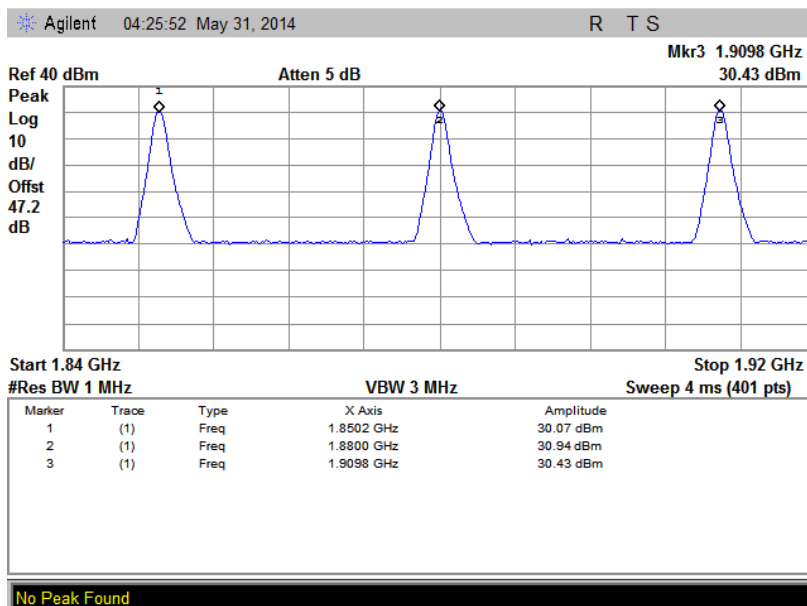
(Plot C: EGPRS 850MHz Channel = 128, 190, 251)



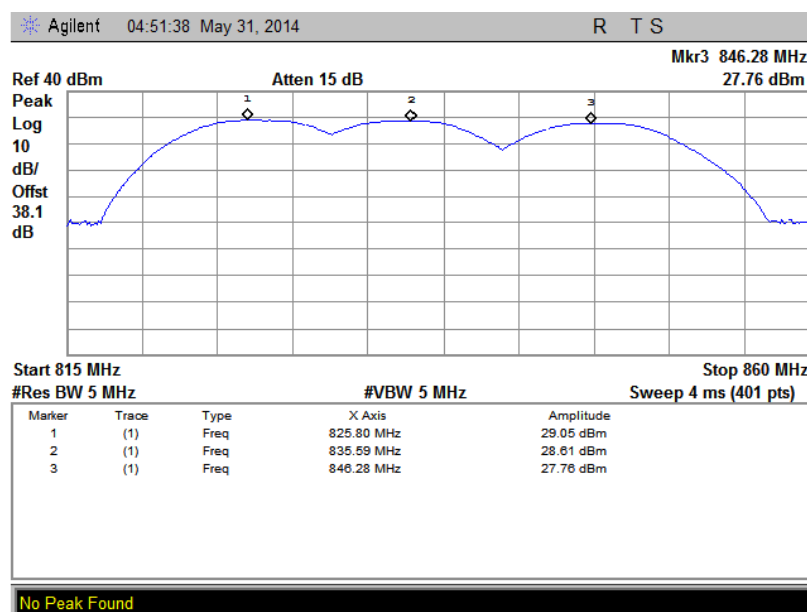
(Plot D: GSM 1900MHz Channel = 512, 661, 810)



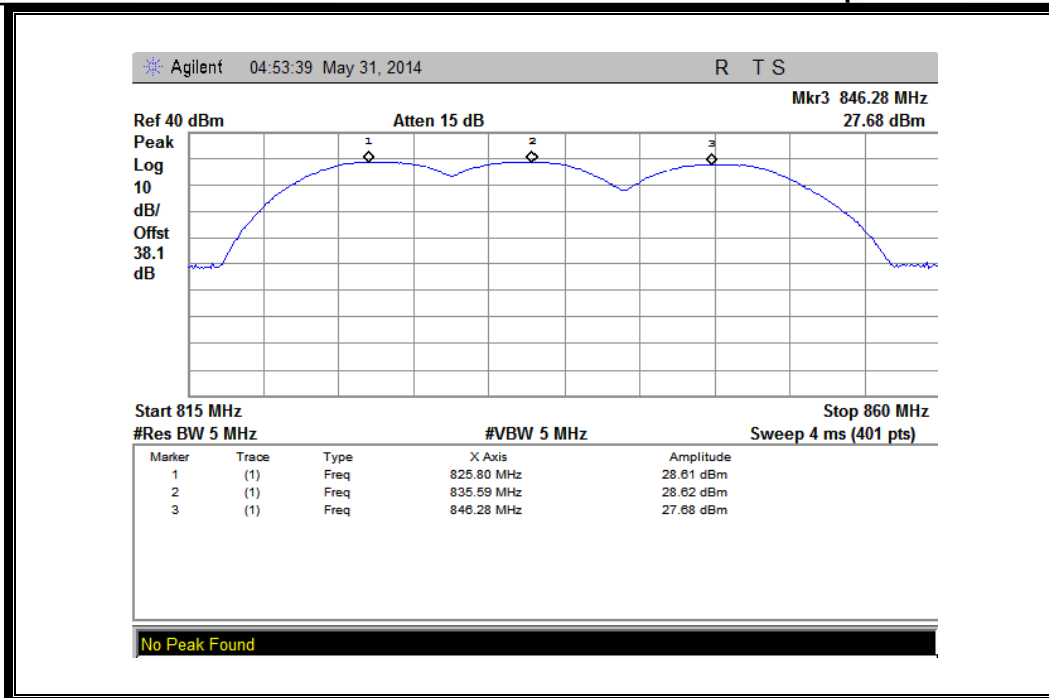
(Plot E: GPRS 1900MHz Channel = 512, 661, 810)



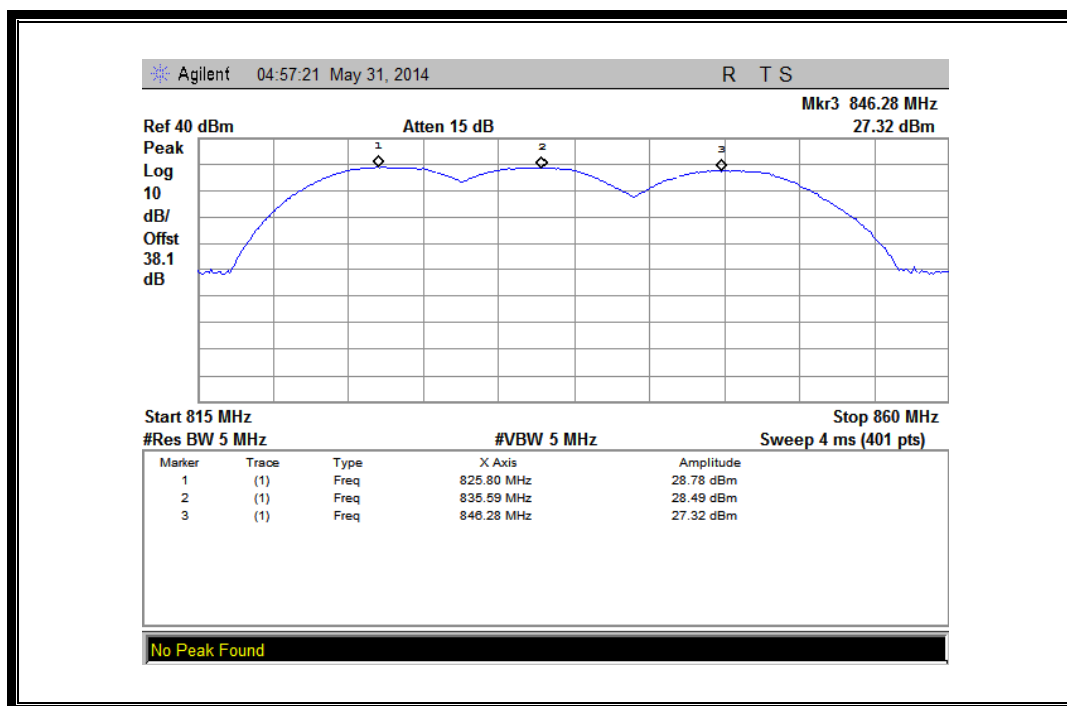
(Plot F: EGPRS 1900MHz Channel = 512, 661, 810)



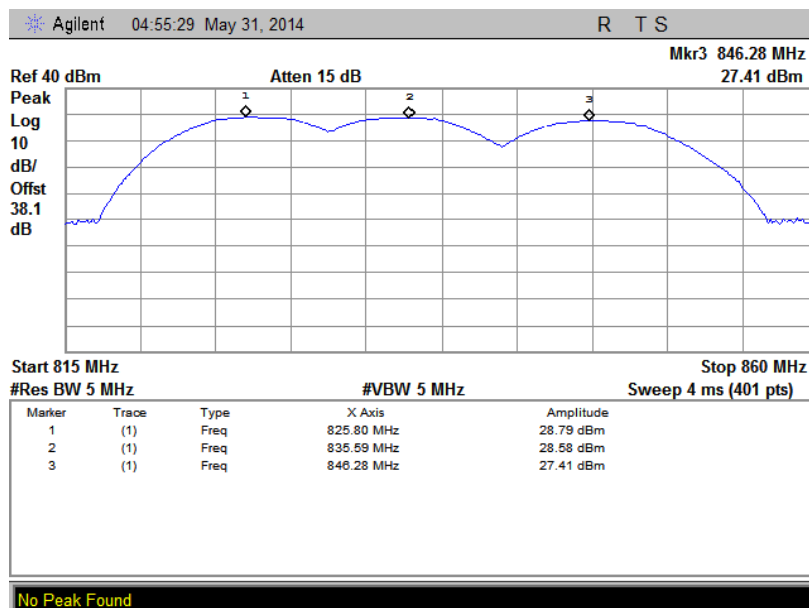
(Plot G: WCDMA 850 MHz Channel = 4132, 4175, 4233)



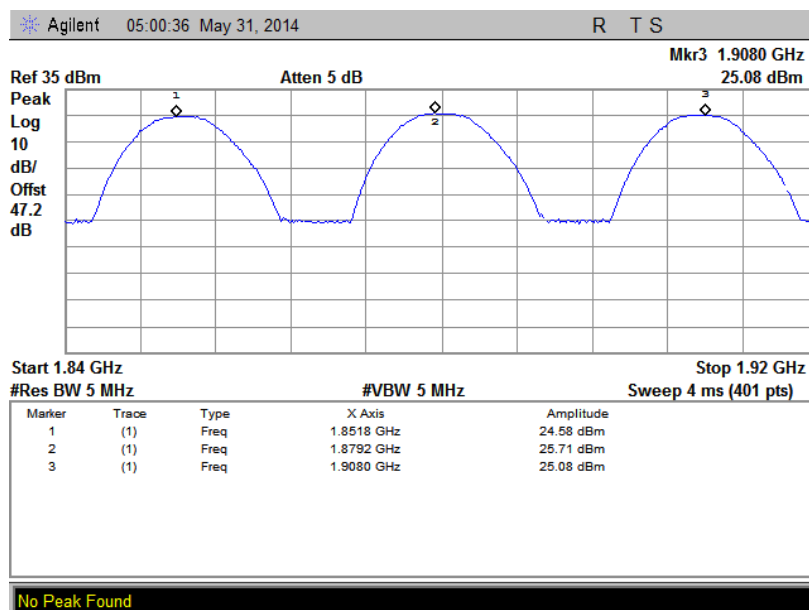
(Plot H: HSDPA 850 MHz Channel = 4132, 4175, 4233)



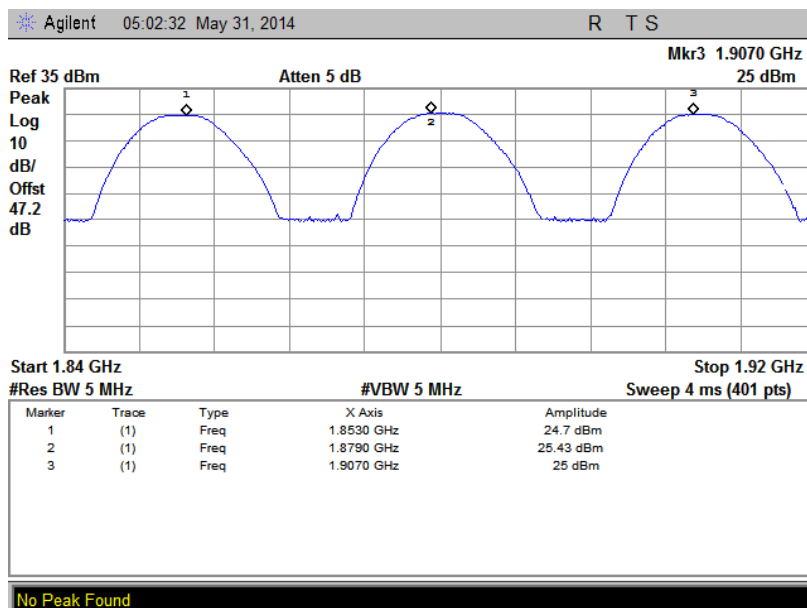
(Plot I: HSUPA 850 MHz Channel = 4132, 4175, 4233)



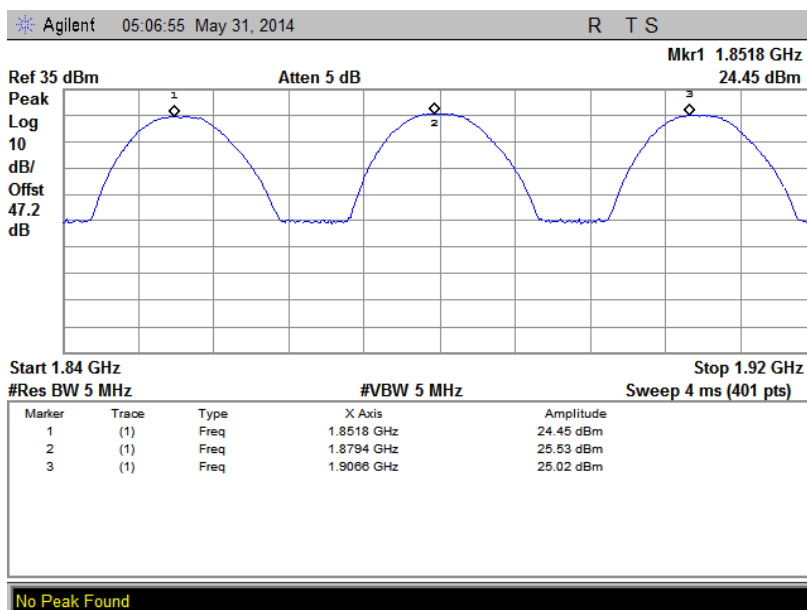
(Plot J: HSPA+ 850 MHz Channel = 4132, 4175, 4233)



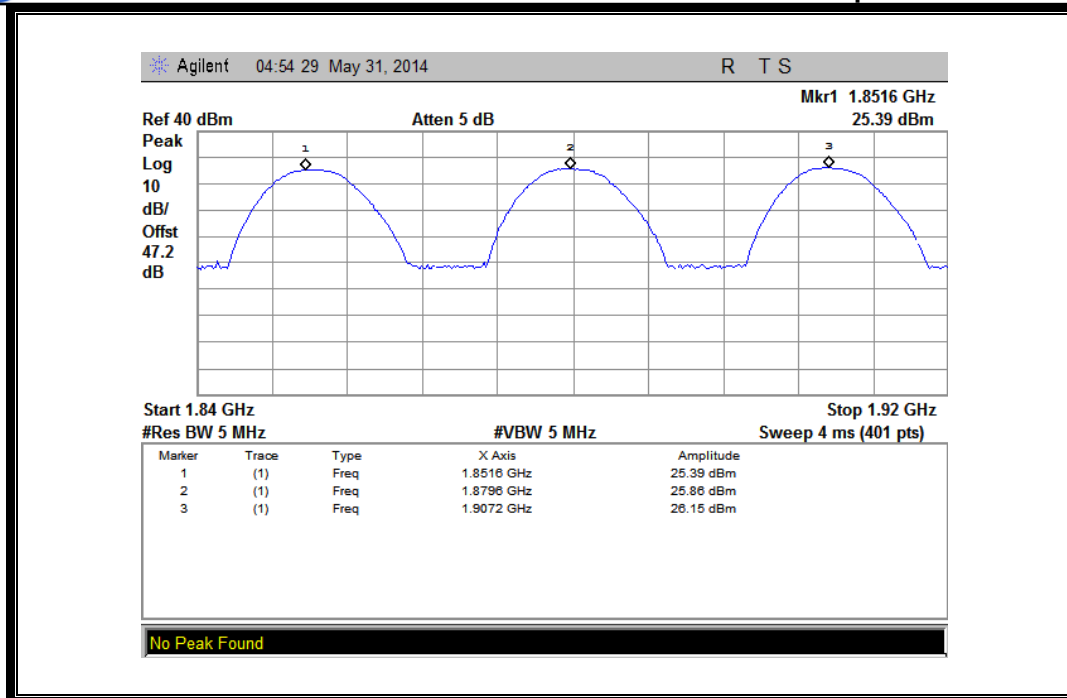
(Plot K: WCDMA 1900 MHz Channel = 9262, 9400, 9538)



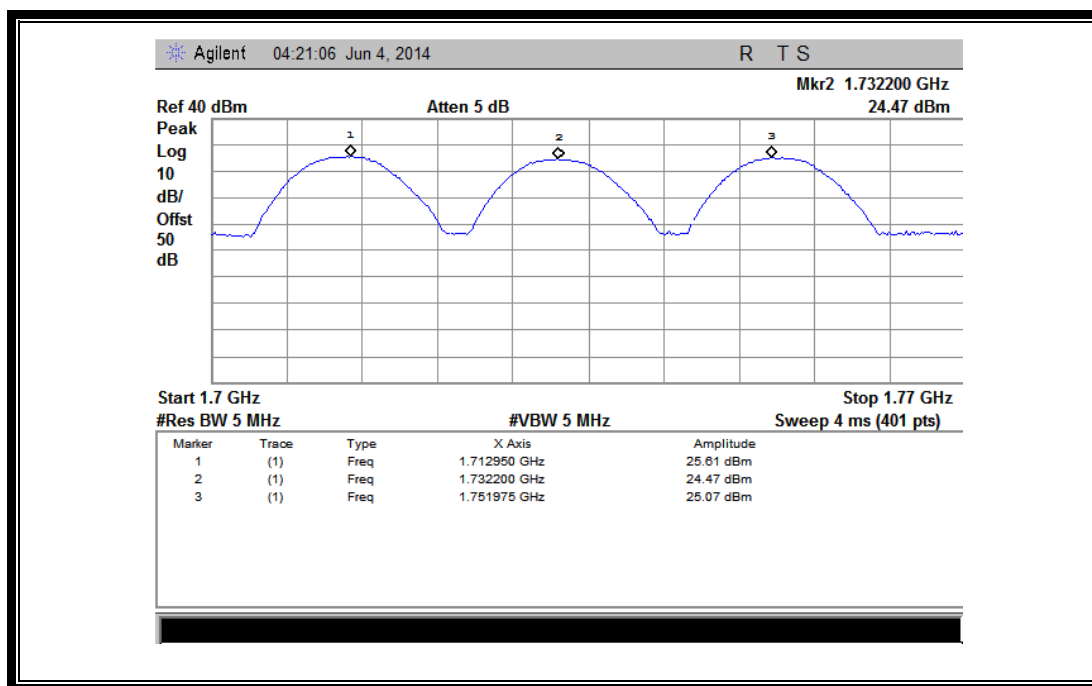
(Plot L: HSDPA1900 MHz Channel = 9262, 9400, 9538)



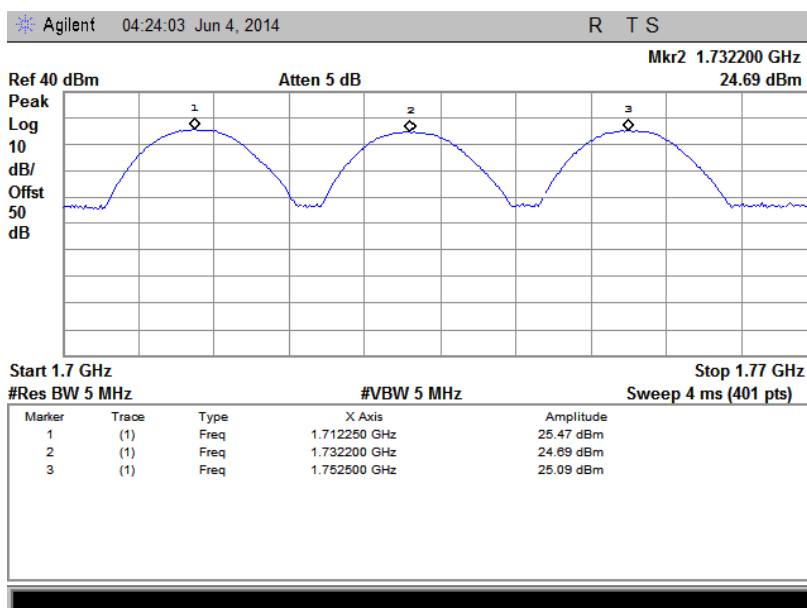
(Plot M: HSUPA1900 MHz Channel = 9262, 9400, 9538)



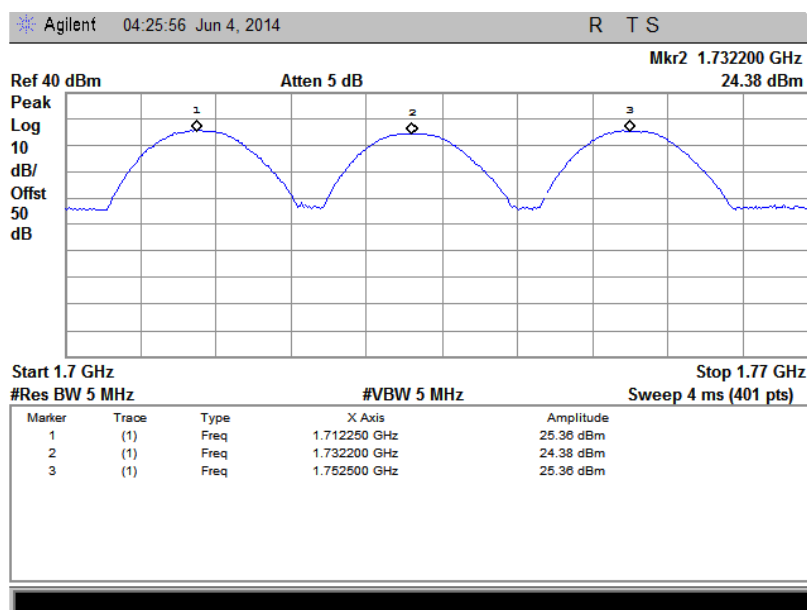
(Plot N: HSPA+1900 MHz Channel = 9262, 9400, 9538)



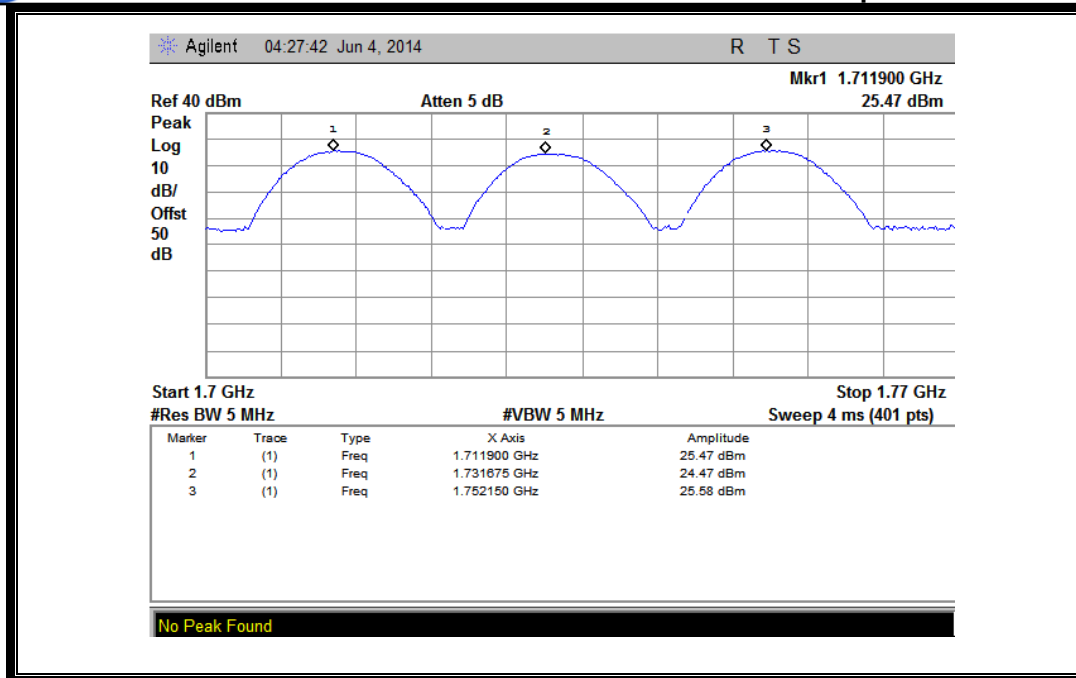
(Plot O: WCDMA 1700MHz Channel = 1312, 1412, 1513)



(Plot P: HSDPA 1700MHz Channel = 1312, 1412, 1513)



(Plot Q: HSUPA 1700MHz Channel = 1312, 1412, 1513)



(Plot R: HSPA+ 1700MHz Channel = 1312, 1412, 1513)

2.8 Radiated Out of Band Emissions

2.8.1 Requirement

According to FCC section 22.917(a) and section 24.238(a), 27.53(g) 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. Date	Cal. Due
System Simulator	Agilent	E5515C	GB43130131	2014.02.26	2015.02.25
Spectrum Analyzer	Agilent	E7405A	US44210471	2014.02.26	2015.02.25
Full-Anechoic Chamber	Albatross	9m*6m*6m	(n.a.)	2014.02.26	2015.02.25
Test Antenna - Bi-Log	Schwarzbeck	VULB 9163	9163-274	2014.02.26	2015.02.25
Test Antenna - Horn	Schwarzbeck	BBHA 9120C	9120C-384	2014.02.26	2015.02.25
Substitution Antenna	Schwarzbeck	BBHA 9120C	9120C-384	2014.02.26	2015.02.25
Pre-AMPs	lucix	S10M100L3802	S020180L3203	2014.02.26	2015.02.25
Notch Filter	COM-MW	ZBSF-C836.5-25-X	NA	2014.02.26	2015.02.25
Notch Filter	COM-MW	ZBSF-C1747.5-75-X2	NA	2014.02.26	2015.02.25
Notch Filter	COM-MW	ZBSF-C1880-60-X2	NA	2014.02.26	2015.02.25

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.

1. Test Verdict:

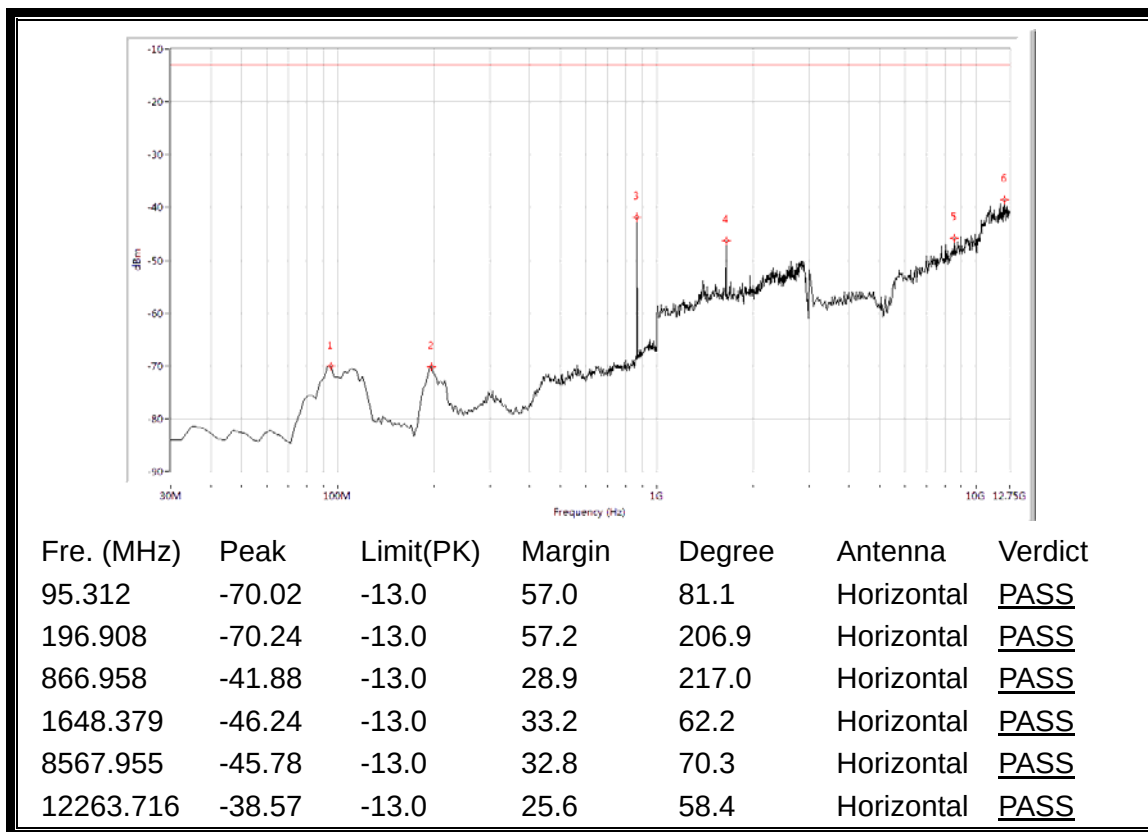
Band	Channel	Frequency (MHz)	Measured Max. Spurious Emission (dBm)		Refer to Plot	Limit (dBm)	Verdict
			Test Antenna Horizontal	Test Antenna Vertical			
GSM 850MHz	128	824.2	< -25	< -25	Plot A.1/A.2	-13	<u>PASS</u>
	190	836.6	< -25	< -25	Plot A.3/A.4		<u>PASS</u>
	251	848.8	< -25	< -25	Plot A.5/A.6		<u>PASS</u>
GSM 1900MHz	512	1850.2	< -25	< -25	Plot B.1/B.2	-13	<u>PASS</u>
	661	1880.0	< -25	< -25	Plot B.3/B.4		<u>PASS</u>
	810	1909.8	< -25	< -25	Plot B.5/B.6		<u>PASS</u>
EDGE 850MHz	128	824.2	< -25	< -25	Plot C.1/C.2	-13	<u>PASS</u>
	190	836.6	< -25	< -25	Plot C.3/C.4		<u>PASS</u>
	251	848.8	< -25	< -25	Plot C.5/C.6		<u>PASS</u>
EDGE 1900MHz	512	1850.2	< -25	< -25	Plot D.1/D.2	-13	<u>PASS</u>
	661	1880.0	< -25	< -25	Plot D.3/D.4		<u>PASS</u>
	810	1909.8	< -25	< -25	Plot D.5/D.6		<u>PASS</u>
WCDMA 850MHz	4132	826.4	< -25	< -25	Plot E.1/E.2	-13	<u>PASS</u>
	4175	835	< -25	< -25	Plot E.3/E.4		<u>PASS</u>
	4233	846.6	< -25	< -25	Plot E.5/E.6		<u>PASS</u>
WCDMA 1900MHz	9262	1852.4	< -25	< -25	Plot F.1/F.2	-13	<u>PASS</u>
	9400	1880	< -25	< -25	Plot F.3/F.4		<u>PASS</u>
	9538	1907.6	< -25	< -25	Plot F.5/F.6		<u>PASS</u>
HSDPA 850MHz	4132	826.4	< -25	< -25	Plot G.1/G.2	-13	<u>PASS</u>
	4175	835	< -25	< -25	Plot G.3/G.4		<u>PASS</u>
	4233	846.6	< -25	< -25	Plot G.5/G.6		<u>PASS</u>
HSDPA 1900MHz	9262	1852.4	< -25	< -25	Plot H.1/H.2	-13	<u>PASS</u>
	9400	1880	< -25	< -25	Plot H.3/H.4		<u>PASS</u>
	9538	1907.6	< -25	< -25	Plot H.5/H.6		<u>PASS</u>
HSUPA 850MHz	4132	826.4	< -25	< -25	Plot I.1/I.2	-13	<u>PASS</u>
	4175	835	< -25	< -25	Plot I.3/I.4		<u>PASS</u>
	4233	846.6	< -25	< -25	Plot I.5/I.6		<u>PASS</u>
HSUPA 1900MHz	9262	1852.4	< -25	< -25	Plot J.1/J.2	-13	<u>PASS</u>
	9400	1880	< -25	< -25	Plot J.3/J.4		<u>PASS</u>
	9538	1907.6	< -25	< -25	Plot J.5/J.6		<u>PASS</u>
HSPA+ 850MHz	4132	826.4	< -25	< -25	Plot K.1/K.2	-13	<u>PASS</u>
	4175	835	< -25	< -25	Plot K.3/K.4		<u>PASS</u>
	4233	846.6	< -25	< -25	Plot K.5/K.6		<u>PASS</u>
HSPA+ 1900MHz	9662	1852.4	< -25	< -25	Plot L.1/L.2	-13	<u>PASS</u>
	9800	1880	< -25	< -25	Plot L.3/L.4		<u>PASS</u>
	9938	1907.6	< -25	< -25	Plot L.5/L.6		<u>PASS</u>

Band	Channel	Frequency (MHz)	Measured Max. Spurious Emission (dBm)		Refer to Plot	Limit (dBm)	Verdict
			Test Antenna Horizontal	Test Antenna Vertical			
WCDMA 1700MHz	1312	1712.4	< -25	< -25	Plot M.1/M.2	-13	<u>PASS</u>
	1412	1732.4	< -25	< -25	Plot M.3/M.4		<u>PASS</u>
	1513	1752.6	< -25	< -25	Plot M.5/M.6		<u>PASS</u>
HSDPA 1700MHz	1312	1712.4	< -25	< -25	Plot N.1/N.2	-13	<u>PASS</u>
	1412	1732.4	< -25	< -25	Plot N.3/N.4		<u>PASS</u>
	1513	1752.6	< -25	< -25	Plot N.5/N.6		<u>PASS</u>
HSUPA 1700MHz	1312	1712.4	< -25	< -25	Plot O.1/O.2	-13	<u>PASS</u>
	1412	1732.4	< -25	< -25	Plot O.3/O.4		<u>PASS</u>
	1513	1752.6	< -25	< -25	Plot O.5/O.6		<u>PASS</u>
HSPA+ 1700MHz	1312	1712.4	< -25	< -25	Plot P.1/P.2	-13	<u>PASS</u>
	1412	1732.4	< -25	< -25	Plot P.3/P.4		<u>PASS</u>
	1513	1752.6	< -25	< -25	Plot P.5/P.6		<u>PASS</u>

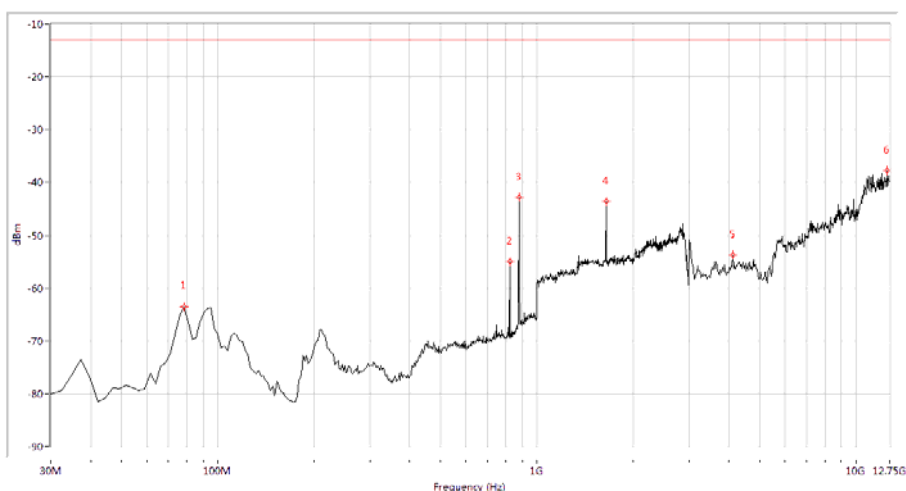
2. Test Plots for the Whole Measurement Frequency Range:

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.

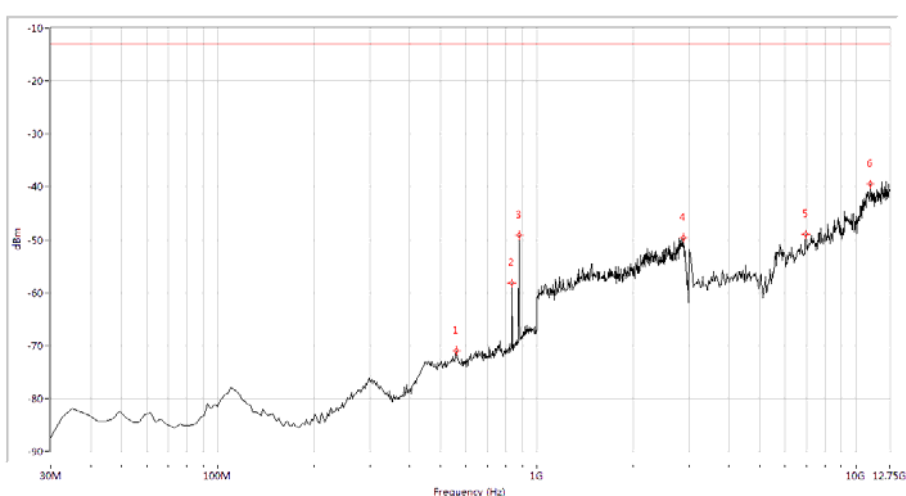


(Plot A.1: GSM 850MHz Channel = 128, Test Antenna Horizontal)



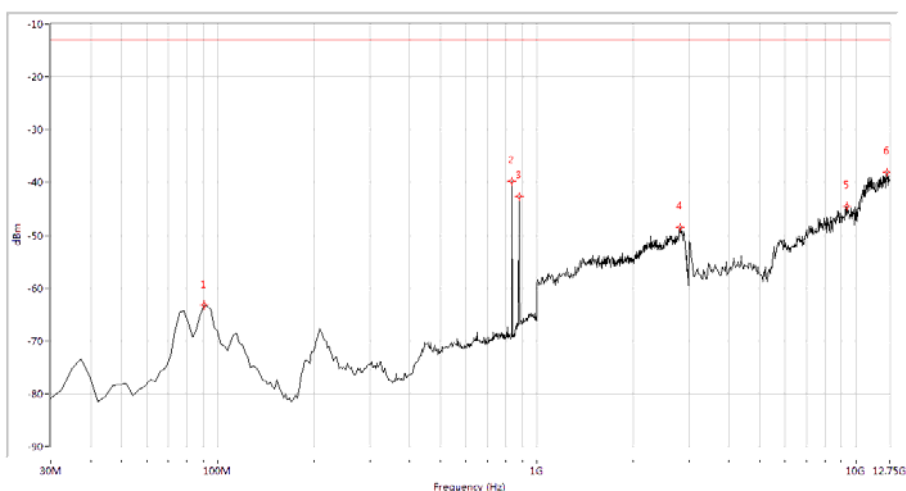
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
78.379	-63.57	-13.0	50.6	360.0	Vertical	<u>PASS</u>
823.416	-55.00	-13.0	42.0	199.0	Vertical	<u>PASS</u>
869.052	-42.80	-13.0	29.8	349.6	Vertical	<u>PASS</u>
1648.379	-43.54	-13.0	30.5	165.0	Vertical	<u>PASS</u>
4118.454	-53.66	-13.0	40.7	360.0	Vertical	<u>PASS</u>
12555.486	-37.78	-13.0	24.8	254.8	Vertical	<u>PASS</u>

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



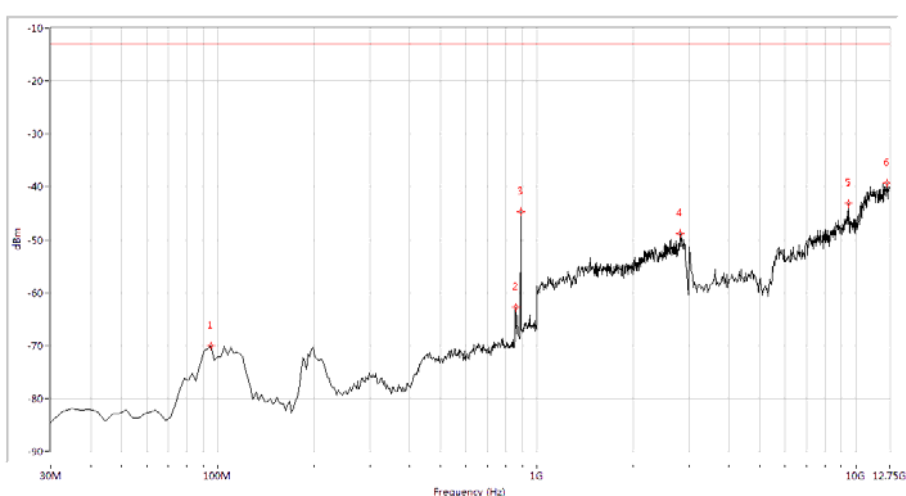
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
559.751	-70.98	-13.0	58.0	66.3	Horizontal	<u>PASS</u>
835.511	-58.16	-13.0	45.2	282.8	Horizontal	<u>PASS</u>
879.052	-49.20	-13.0	36.2	276.2	Horizontal	<u>PASS</u>
2880.299	-49.66	-13.0	36.7	179.0	Horizontal	<u>PASS</u>
6963.217	-49.03	-13.0	36.0	55.9	Horizontal	<u>PASS</u>
11096.633	-39.42	-13.0	26.4	360.0	Horizontal	<u>PASS</u>

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



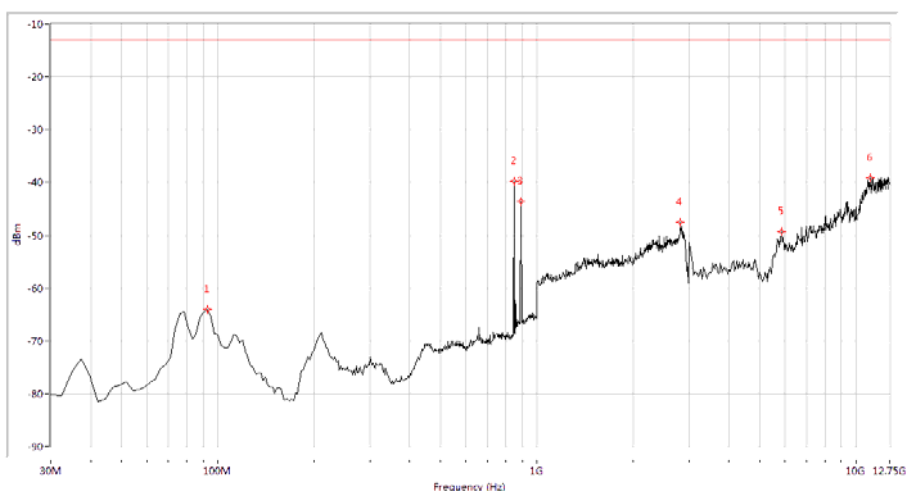
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
90.474	-63.26	-13.0	50.3	-0.0	Vertical	<u>PASS</u>
835.511	-39.82	-13.0	26.8	223.1	Vertical	<u>PASS</u>
879.052	-42.70	-13.0	29.7	104.0	Vertical	<u>PASS</u>
2805.486	-48.50	-13.0	35.5	256.0	Vertical	<u>PASS</u>
9370.324	-44.47	-13.0	31.5	173.6	Vertical	<u>PASS</u>
12555.486	-38.08	-13.0	25.1	28.2	Vertical	<u>PASS</u>

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



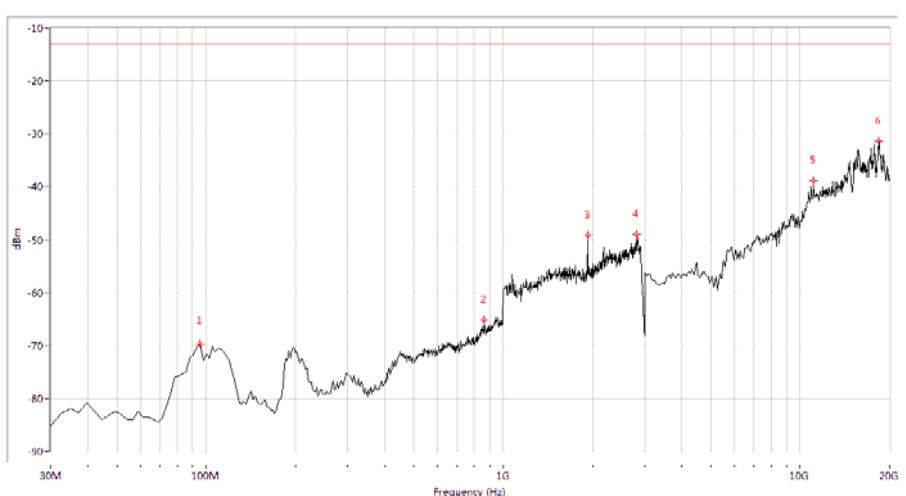
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
95.312	-70.00	-13.0	57.0	171.6	Horizontal	<u>PASS</u>
857.282	-62.73	-13.0	49.7	203.6	Horizontal	<u>PASS</u>
891.147	-44.66	-13.0	31.7	198.4	Horizontal	<u>PASS</u>
2820.449	-48.81	-13.0	35.8	11.1	Horizontal	<u>PASS</u>
9467.581	-43.13	-13.0	30.1	164.1	Horizontal	<u>PASS</u>
12555.486	-39.30	-13.0	26.3	45.5	Horizontal	<u>PASS</u>

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



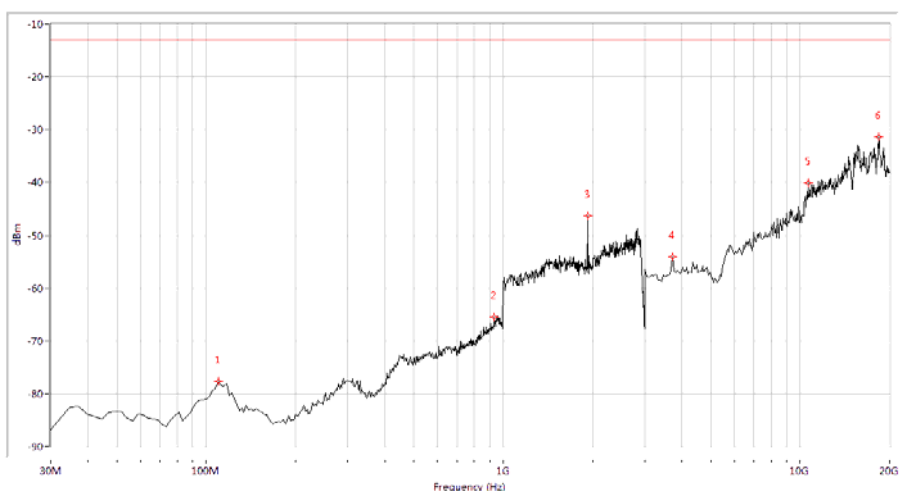
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
92.893	-63.99	-13.0	51.0	40.2	Vertical	<u>PASS</u>
847.606	-39.86	-13.0	26.9	203.1	Vertical	<u>PASS</u>
891.147	-43.63	-13.0	30.6	75.9	Vertical	<u>PASS</u>
2815.461	-47.56	-13.0	34.6	141.9	Vertical	<u>PASS</u>
5844.763	-49.27	-13.0	36.3	236.5	Vertical	<u>PASS</u>
11096.633	-39.16	-13.0	26.2	200.1	Vertical	<u>PASS</u>

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



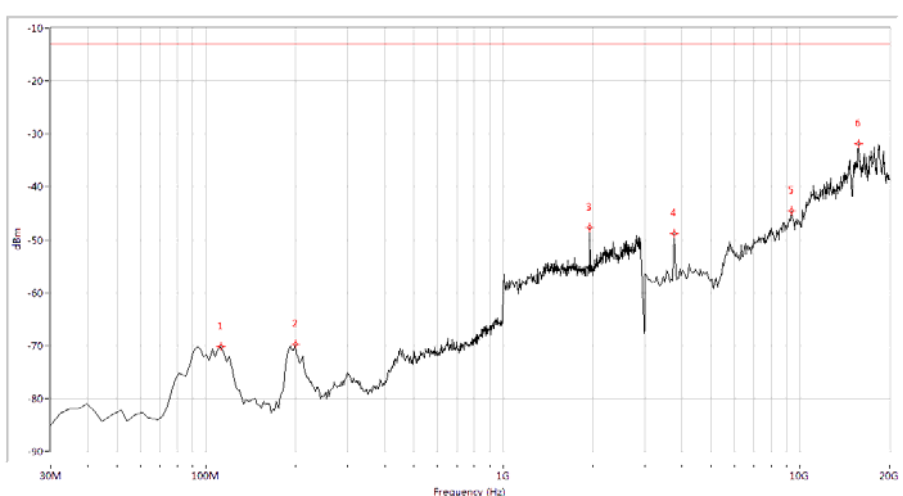
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
95.312	-69.71	-13.0	56.7	89.6	Horizontal	<u>PASS</u>
864.539	-65.07	-13.0	52.1	131.3	Horizontal	<u>PASS</u>
1927.681	-49.17	-13.0	36.2	228.5	Horizontal	<u>PASS</u>
2805.486	-48.91	-13.0	35.9	57.0	Horizontal	<u>PASS</u>
11097.257	-38.82	-13.0	25.8	57.0	Horizontal	<u>PASS</u>
18431.421	-31.44	-13.0	18.4	302.2	Horizontal	<u>PASS</u>

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



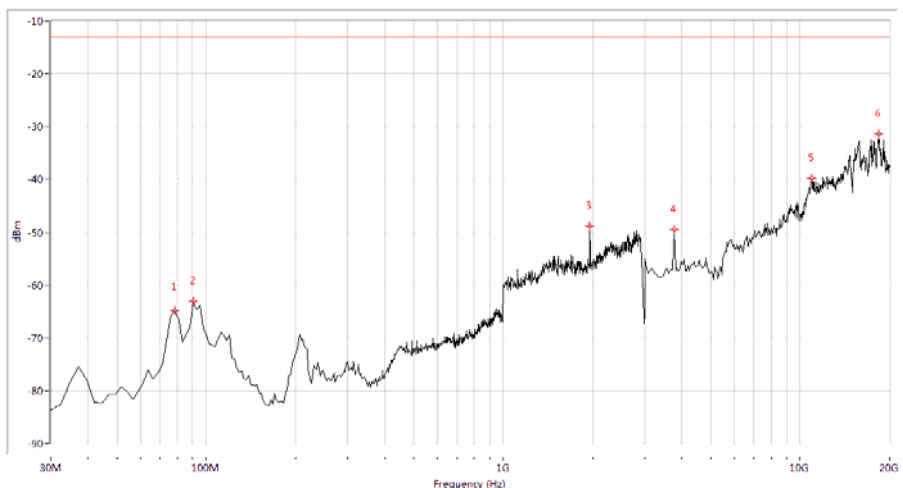
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-77.59	-13.0	64.6	177.1	Vertical	<u>PASS</u>
934.688	-65.39	-13.0	52.4	87.1	Vertical	<u>PASS</u>
1927.681	-46.28	-13.0	33.3	212.5	Vertical	<u>PASS</u>
3720.698	-53.97	-13.0	41.0	66.3	Vertical	<u>PASS</u>
10630.923	-40.13	-13.0	27.1	50.7	Vertical	<u>PASS</u>
18389.027	-31.43	-13.0	18.4	230.7	Vertical	<u>PASS</u>

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



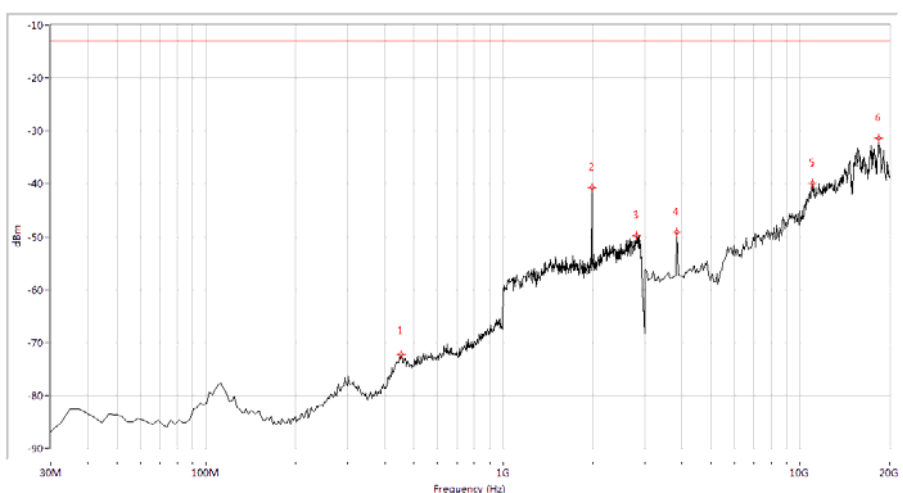
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-70.14	-13.0	57.1	137.7	Horizontal	<u>PASS</u>
199.327	-69.78	-13.0	56.8	215.9	Horizontal	<u>PASS</u>
1957.606	-47.77	-13.0	34.8	69.6	Horizontal	<u>PASS</u>
3763.092	-48.74	-13.0	35.7	236.8	Horizontal	<u>PASS</u>
9359.102	-44.60	-13.0	31.6	81.2	Horizontal	<u>PASS</u>
15718.204	-31.86	-13.0	18.9	276.6	Horizontal	<u>PASS</u>

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



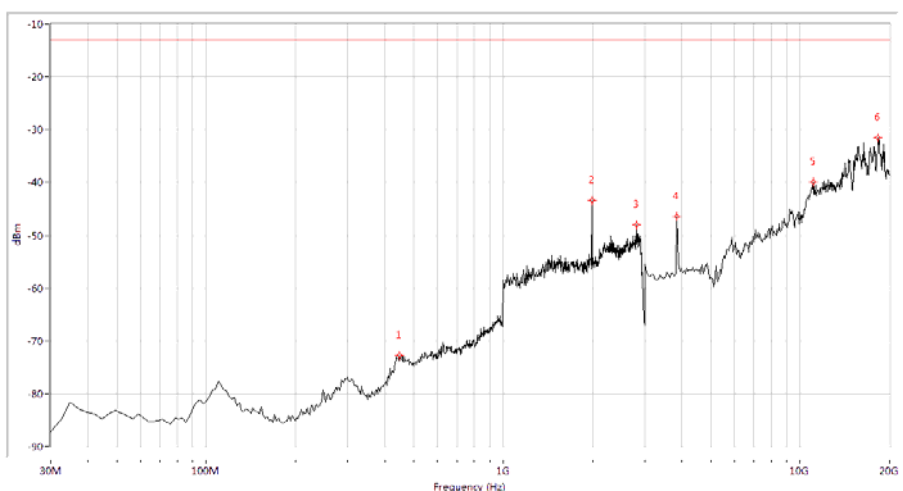
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
78.379	-64.82	-13.0	51.8	190.9	Vertical	<u>PASS</u>
90.474	-63.12	-13.0	50.1	229.2	Vertical	<u>PASS</u>
1957.606	-48.78	-13.0	35.8	40.6	Vertical	<u>PASS</u>
3763.092	-49.43	-13.0	36.4	129.1	Vertical	<u>PASS</u>
10927.681	-39.83	-13.0	26.8	-0.0	Vertical	<u>PASS</u>
18389.027	-31.41	-13.0	18.4	308.9	Vertical	<u>PASS</u>

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



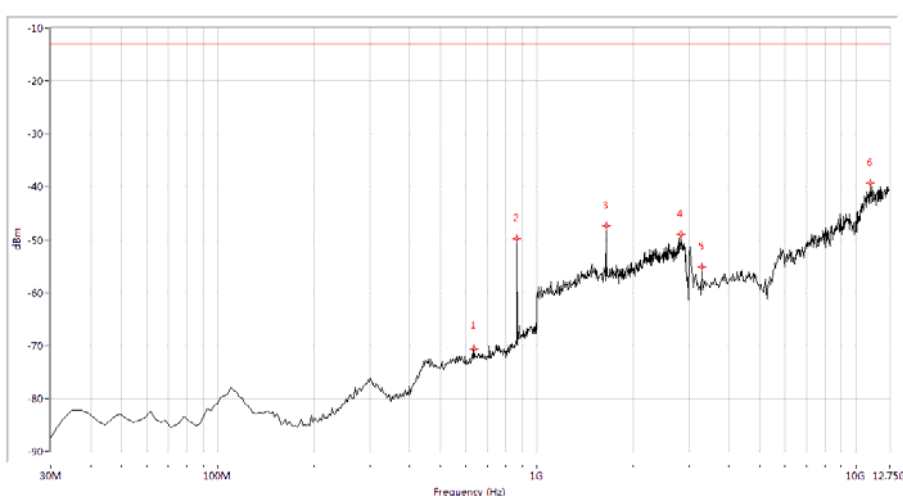
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
453.317	-72.26	-13.0	59.3	125.8	Horizontal	<u>PASS</u>
1987.531	-40.75	-13.0	27.8	214.0	Horizontal	<u>PASS</u>
2815.461	-49.73	-13.0	36.7	224.4	Horizontal	<u>PASS</u>
3847.880	-49.20	-13.0	36.2	76.3	Horizontal	<u>PASS</u>
10970.075	-39.93	-13.0	26.9	178.3	Horizontal	<u>PASS</u>
18389.027	-31.37	-13.0	18.4	101.6	Horizontal	<u>PASS</u>

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



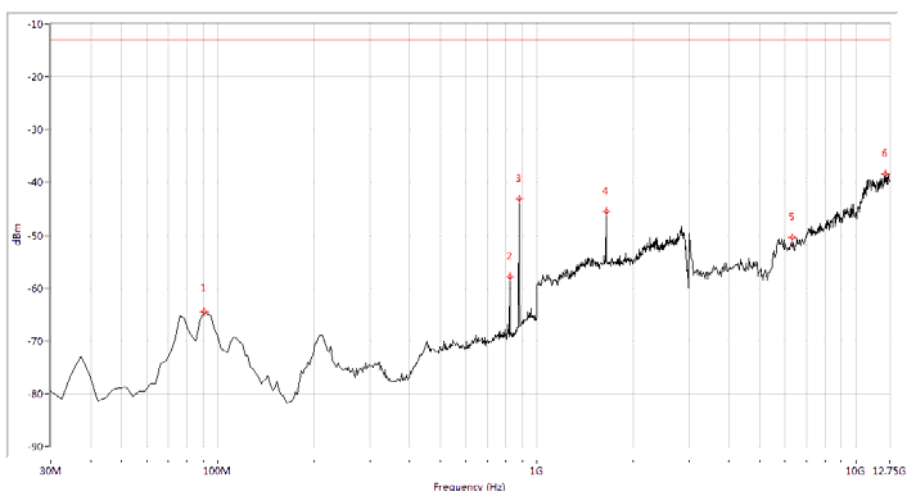
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
448.479	-72.68	-13.0	59.7	185.3	Vertical	<u>PASS</u>
1987.531	-43.44	-13.0	30.4	317.5	Vertical	<u>PASS</u>
2815.461	-47.99	-13.0	35.0	191.3	Vertical	<u>PASS</u>
3847.880	-46.43	-13.0	33.4	-0.0	Vertical	<u>PASS</u>
11097.257	-39.92	-13.0	26.9	12.4	Vertical	<u>PASS</u>
18304.239	-31.57	-13.0	18.6	5.8	Vertical	<u>PASS</u>

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



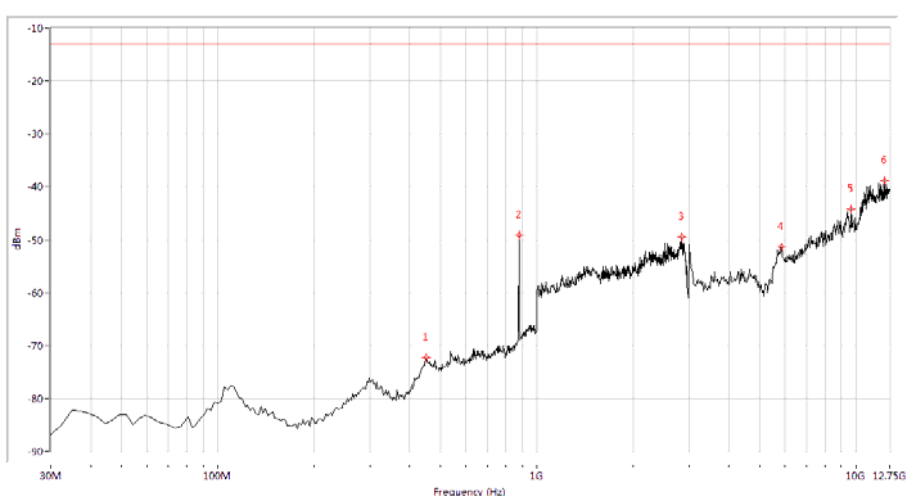
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
637.157	-70.65	-13.0	57.7	142.6	Horizontal	<u>PASS</u>
866.958	-49.82	-13.0	36.8	191.3	Horizontal	<u>PASS</u>
1648.379	-47.38	-13.0	34.4	122.8	Horizontal	<u>PASS</u>
2835.411	-49.01	-13.0	36.0	348.0	Horizontal	<u>PASS</u>
3291.771	-55.09	-13.0	42.1	131.3	Horizontal	<u>PASS</u>
11096.633	-39.26	-13.0	26.3	22.8	Horizontal	<u>PASS</u>

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



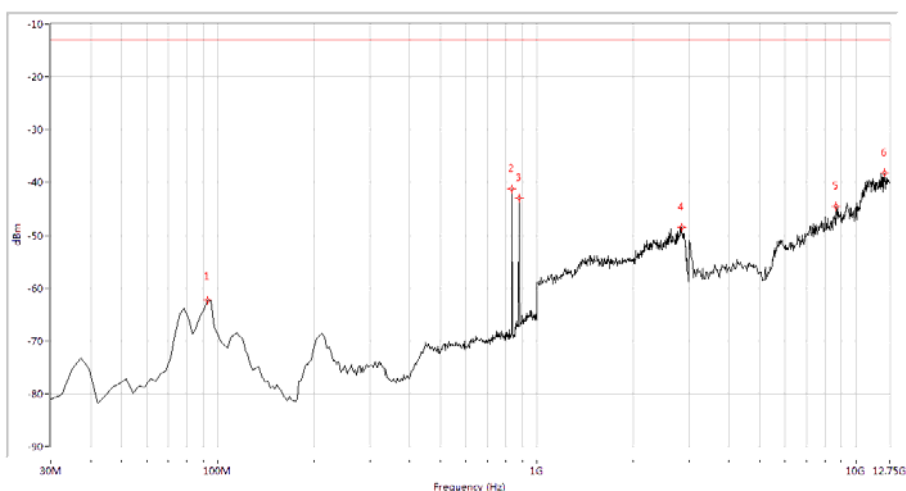
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
90.474	-64.43	-13.0	51.4	6.9	Vertical	<u>PASS</u>
823.416	-57.85	-13.0	44.9	200.4	Vertical	<u>PASS</u>
869.052	-43.16	-13.0	30.2	107.7	Vertical	<u>PASS</u>
1648.379	-45.54	-13.0	32.5	151.8	Vertical	<u>PASS</u>
6331.047	-50.47	-13.0	37.5	133.7	Vertical	<u>PASS</u>
12385.287	-38.35	-13.0	25.4	121.1	Vertical	<u>PASS</u>

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



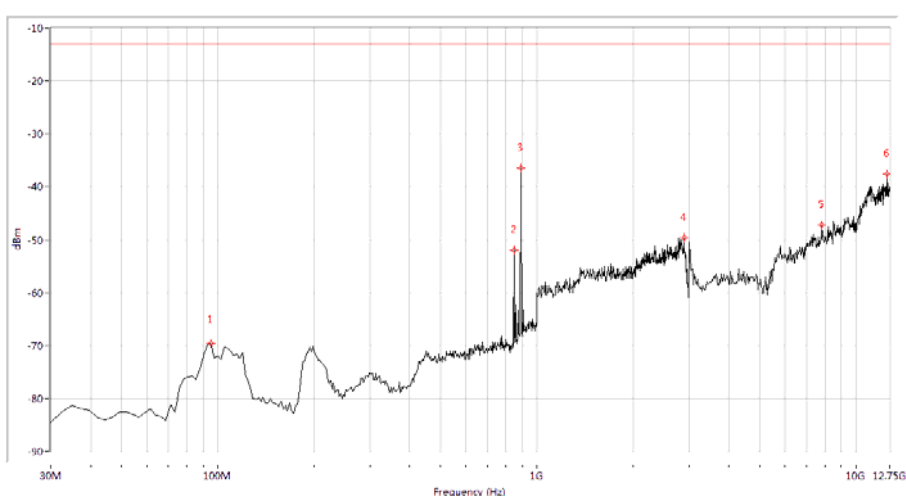
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
450.898	-72.33	-13.0	59.3	49.9	Horizontal	<u>PASS</u>
879.052	-49.17	-13.0	36.2	189.5	Horizontal	<u>PASS</u>
2845.387	-49.43	-13.0	36.4	310.3	Horizontal	<u>PASS</u>
5844.763	-51.37	-13.0	38.4	89.4	Horizontal	<u>PASS</u>
9662.095	-44.28	-13.0	31.3	9.9	Horizontal	<u>PASS</u>
12263.716	-38.86	-13.0	25.9	129.5	Horizontal	<u>PASS</u>

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



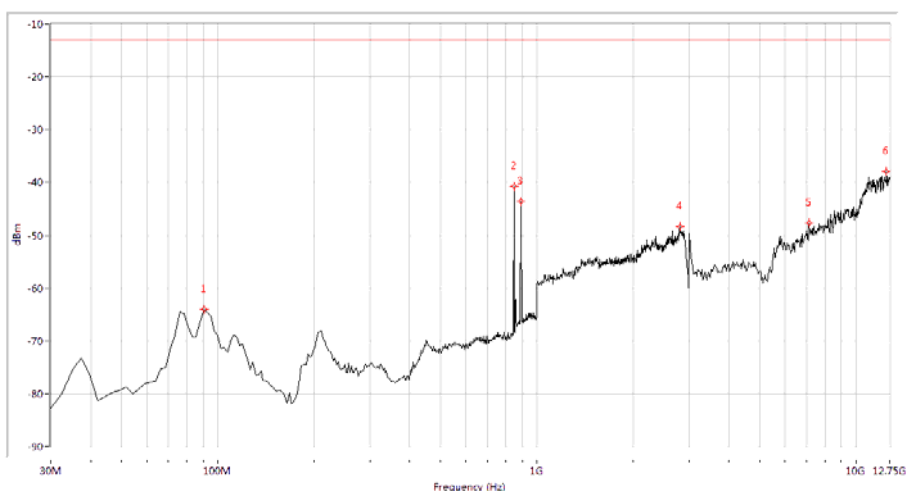
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
92.893	-62.34	-13.0	49.3	5.5	Vertical	<u>PASS</u>
835.511	-41.28	-13.0	28.3	246.3	Vertical	<u>PASS</u>
879.052	-42.94	-13.0	29.9	353.2	Vertical	<u>PASS</u>
2840.399	-48.54	-13.0	35.5	97.7	Vertical	<u>PASS</u>
8665.212	-44.60	-13.0	31.6	228.0	Vertical	<u>PASS</u>
12263.716	-38.27	-13.0	25.3	326.4	Vertical	<u>PASS</u>

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



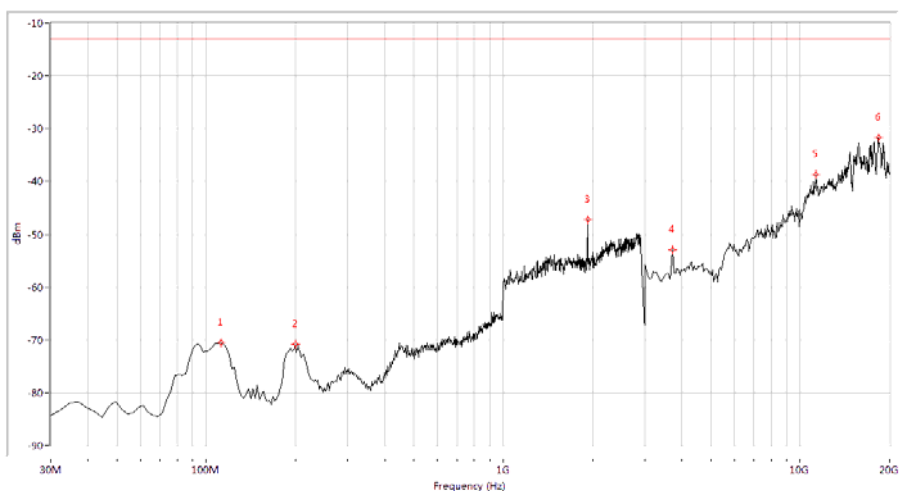
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
95.312	-69.64	-13.0	56.6	238.9	Horizontal	<u>PASS</u>
847.606	-52.02	-13.0	39.0	185.8	Horizontal	<u>PASS</u>
891.147	-36.48	-13.0	23.5	72.2	Horizontal	<u>PASS</u>
2900.249	-49.55	-13.0	36.6	342.2	Horizontal	<u>PASS</u>
7814.214	-47.21	-13.0	34.2	38.9	Horizontal	<u>PASS</u>
12555.486	-37.64	-13.0	24.6	145.4	Horizontal	<u>PASS</u>

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



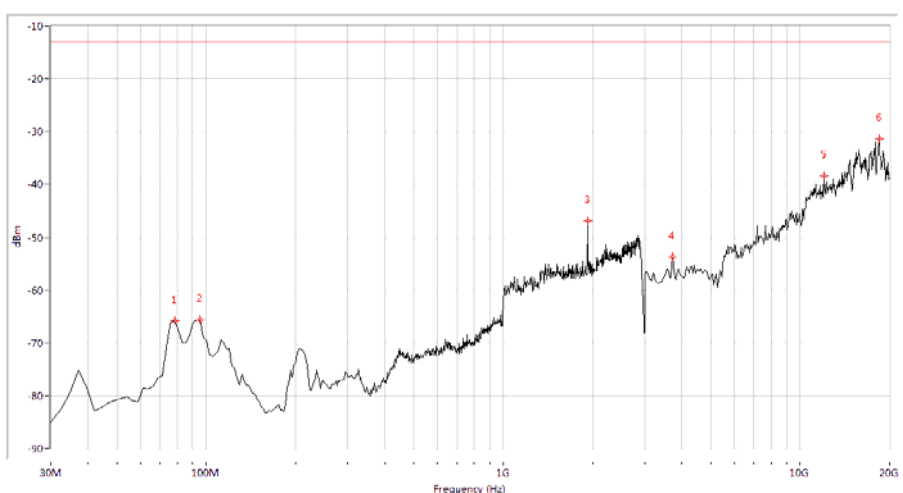
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
90.474	-63.99	-13.0	51.0	-0.0	Vertical	<u>PASS</u>
847.606	-40.80	-13.0	27.8	252.8	Vertical	<u>PASS</u>
891.147	-43.58	-13.0	30.6	83.2	Vertical	<u>PASS</u>
2810.474	-48.37	-13.0	35.4	24.3	Vertical	<u>PASS</u>
7133.416	-47.71	-13.0	34.7	211.5	Vertical	<u>PASS</u>
12433.915	-37.93	-13.0	24.9	180.6	Vertical	<u>PASS</u>

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



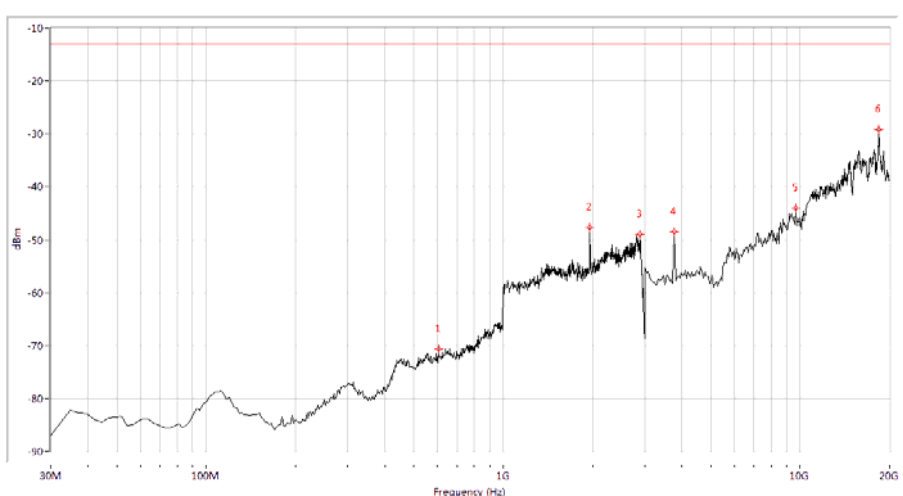
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-70.56	-13.0	57.6	21.6	Horizontal	<u>PASS</u>
199.327	-70.80	-13.0	57.8	58.5	Horizontal	<u>PASS</u>
1927.681	-47.27	-13.0	34.3	260.5	Horizontal	<u>PASS</u>
3720.698	-52.93	-13.0	39.9	155.1	Horizontal	<u>PASS</u>
11309.227	-38.67	-13.0	25.7	121.6	Horizontal	<u>PASS</u>
18346.633	-31.68	-13.0	18.7	51.5	Horizontal	<u>PASS</u>

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



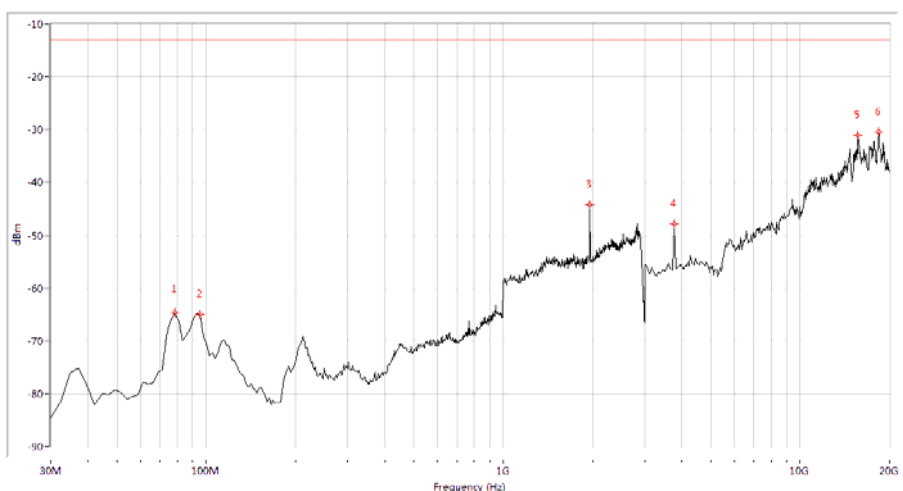
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
78.379	-65.83	-13.0	52.8	198.0	Vertical	<u>PASS</u>
95.312	-65.64	-13.0	52.6	58.1	Vertical	<u>PASS</u>
1927.681	-46.85	-13.0	33.9	0.0	Vertical	<u>PASS</u>
3720.698	-53.70	-13.0	40.7	136.6	Vertical	<u>PASS</u>
12072.319	-38.39	-13.0	25.4	18.0	Vertical	<u>PASS</u>
18473.815	-31.40	-13.0	18.4	158.1	Vertical	<u>PASS</u>

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



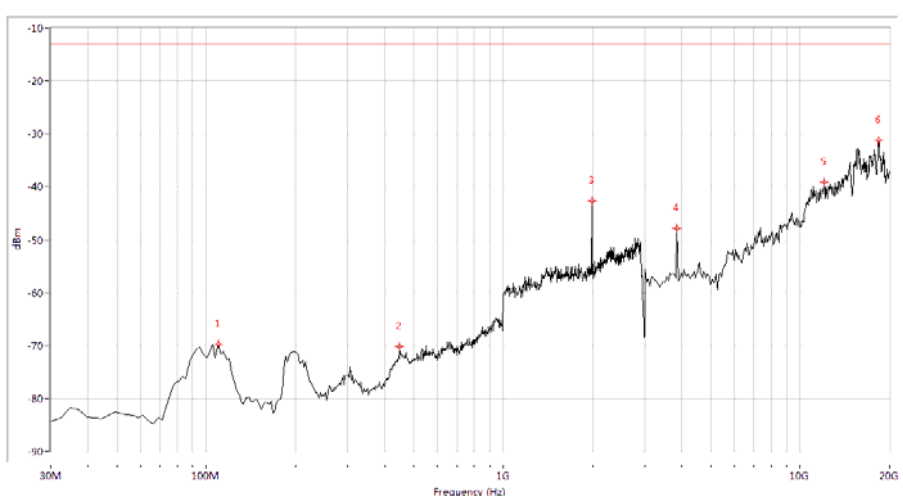
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
605.711	-70.62	-13.0	57.6	41.4	Horizontal	<u>PASS</u>
1957.606	-47.69	-13.0	34.7	56.9	Horizontal	<u>PASS</u>
2895.262	-48.94	-13.0	35.9	167.1	Horizontal	<u>PASS</u>
3763.092	-48.52	-13.0	35.5	116.5	Horizontal	<u>PASS</u>
9655.860	-43.99	-13.0	31.0	341.4	Horizontal	<u>PASS</u>
18431.421	-29.23	-13.0	16.2	256.9	Horizontal	<u>PASS</u>

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



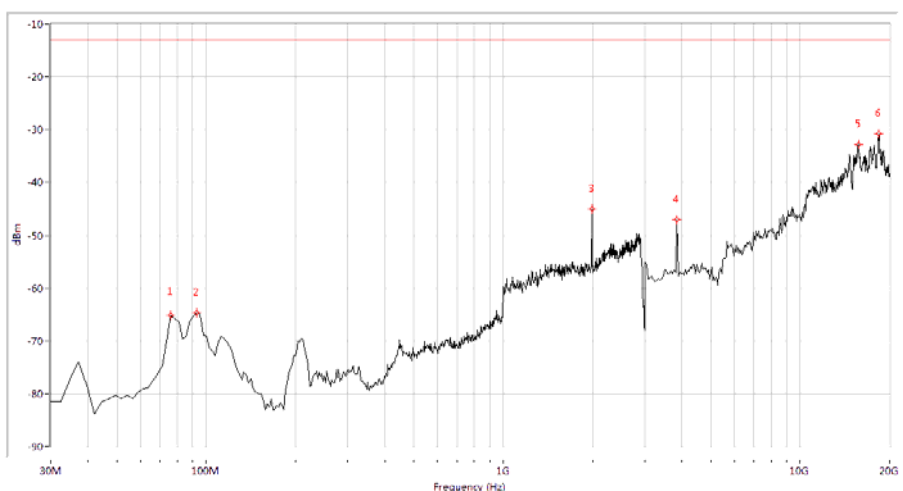
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
78.379	-64.71	-13.0	51.7	360.0	Vertical	<u>PASS</u>
95.312	-64.92	-13.0	51.9	360.0	Vertical	<u>PASS</u>
1957.606	-44.27	-13.0	31.3	145.3	Vertical	<u>PASS</u>
3763.092	-47.89	-13.0	34.9	313.5	Vertical	<u>PASS</u>
15675.810	-31.07	-13.0	18.1	150.7	Vertical	<u>PASS</u>
18431.421	-30.50	-13.0	17.5	360.0	Vertical	<u>PASS</u>

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



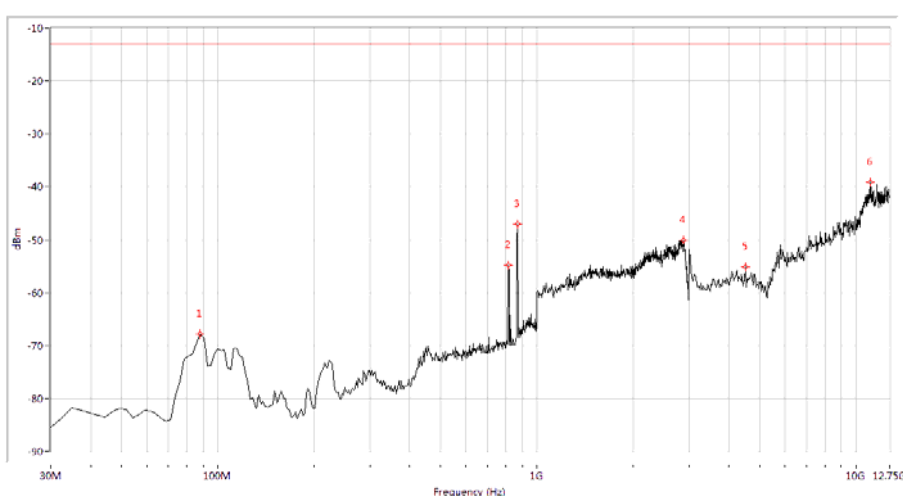
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-69.66	-13.0	56.7	51.4	Horizontal	<u>PASS</u>
448.479	-70.14	-13.0	57.1	59.3	Horizontal	<u>PASS</u>
1987.531	-42.64	-13.0	29.6	208.8	Horizontal	<u>PASS</u>
3847.880	-47.82	-13.0	34.8	37.6	Horizontal	<u>PASS</u>
12072.319	-39.11	-13.0	26.1	151.4	Horizontal	<u>PASS</u>
18346.633	-31.30	-13.0	18.3	219.3	Horizontal	<u>PASS</u>

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



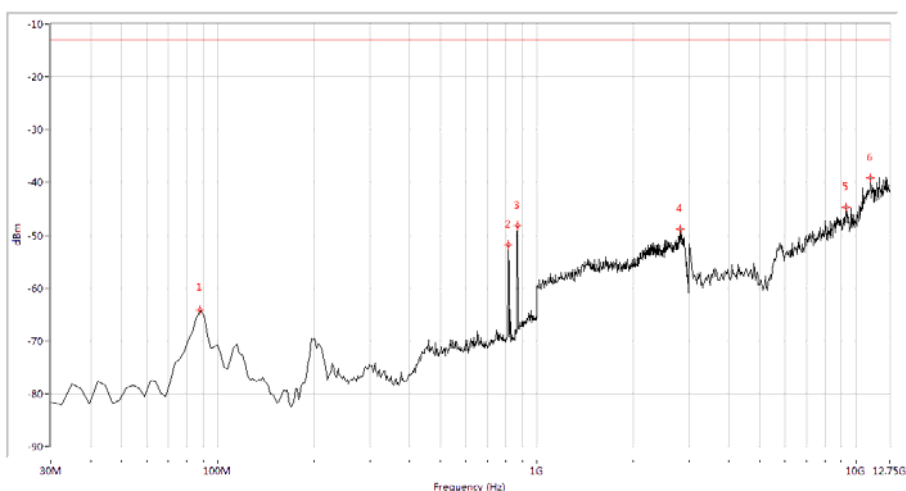
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
75.960	-65.14	-13.0	52.1	16.1	Vertical	<u>PASS</u>
92.893	-64.68	-13.0	51.7	58.0	Vertical	<u>PASS</u>
1987.531	-45.02	-13.0	32.0	360.0	Vertical	<u>PASS</u>
3847.880	-47.02	-13.0	34.0	177.8	Vertical	<u>PASS</u>
15718.204	-32.82	-13.0	19.8	186.1	Vertical	<u>PASS</u>
18346.633	-30.76	-13.0	17.8	8.0	Vertical	<u>PASS</u>

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



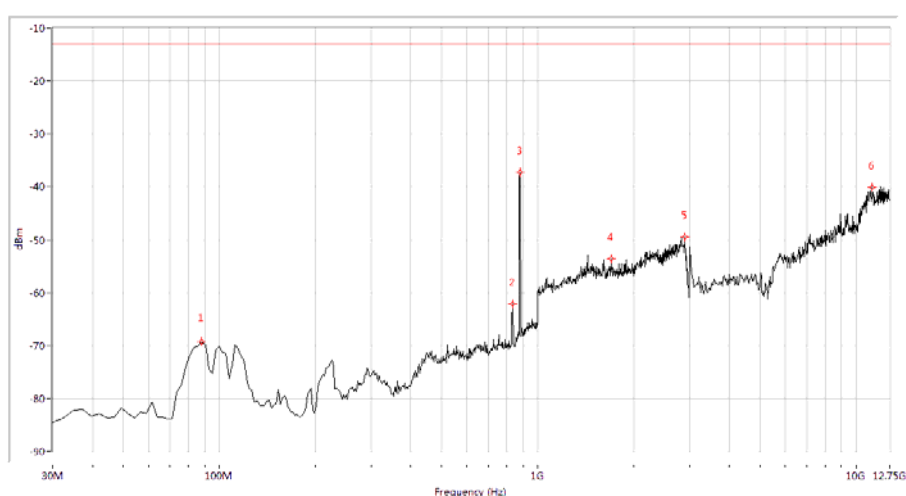
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
88.055	-67.89	-13.0	54.9	207.1	Horizontal	<u>PASS</u>
816.160	-54.77	-13.0	41.8	126.0	Horizontal	<u>PASS</u>
869.377	-47.02	-13.0	34.0	263.3	Horizontal	<u>PASS</u>
2885.287	-50.03	-13.0	37.0	213.9	Horizontal	<u>PASS</u>
4507.481	-55.22	-13.0	42.2	157.5	Horizontal	<u>PASS</u>
11072.319	-39.11	-13.0	26.1	209.6	Horizontal	<u>PASS</u>

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



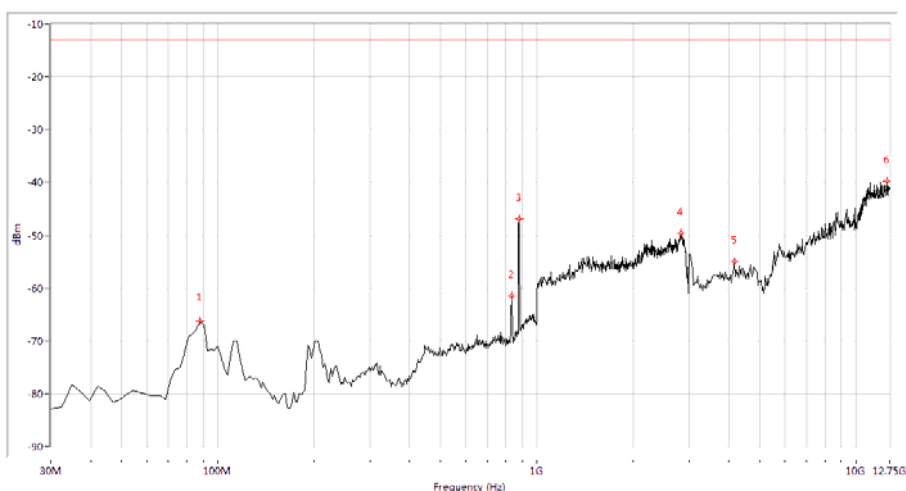
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
88.055	-64.10	-13.0	51.1	352.8	Vertical	<u>PASS</u>
816.160	-51.81	-13.0	38.8	201.0	Vertical	<u>PASS</u>
871.796	-48.24	-13.0	35.2	194.5	Vertical	<u>PASS</u>
2810.474	-48.73	-13.0	35.7	16.5	Vertical	<u>PASS</u>
9321.696	-44.73	-13.0	31.7	24.3	Vertical	<u>PASS</u>
11096.633	-39.20	-13.0	26.2	3.5	Vertical	<u>PASS</u>

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



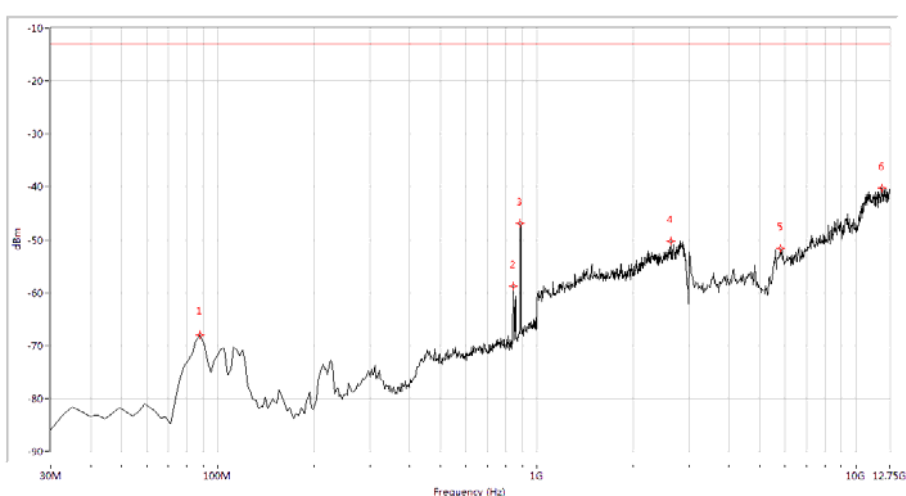
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
88.055	-69.17	-13.0	56.2	118.1	Horizontal	<u>PASS</u>
835.511	-62.13	-13.0	49.1	8.8	Horizontal	<u>PASS</u>
879.052	-37.22	-13.0	24.2	13.1	Horizontal	<u>PASS</u>
1698.254	-53.61	-13.0	40.6	268.7	Horizontal	<u>PASS</u>
2890.274	-49.44	-13.0	36.4	199.0	Horizontal	<u>PASS</u>
11242.519	-40.08	-13.0	27.1	357.8	Horizontal	<u>PASS</u>

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



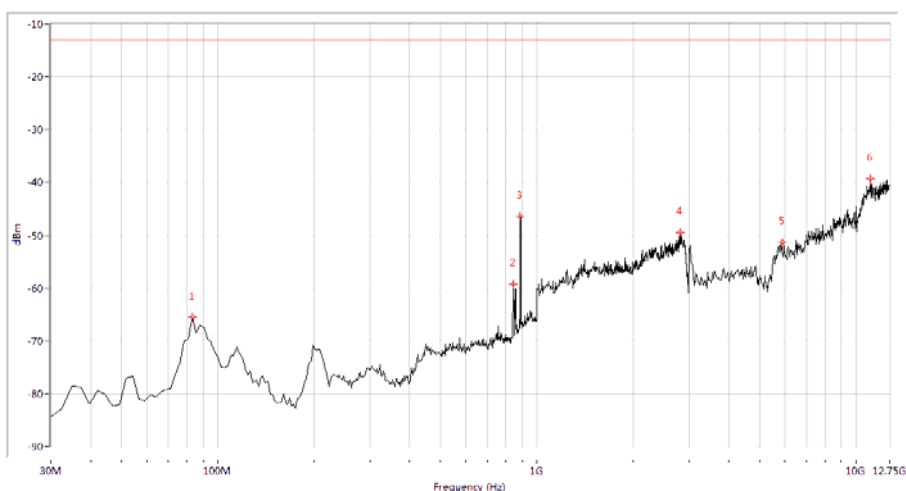
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
88.055	-66.23	-13.0	53.2	207.8	Vertical	<u>PASS</u>
835.511	-61.42	-13.0	48.4	360.0	Vertical	<u>PASS</u>
879.052	-46.90	-13.0	33.9	160.9	Vertical	<u>PASS</u>
2830.424	-49.65	-13.0	36.6	151.2	Vertical	<u>PASS</u>
4167.082	-54.92	-13.0	41.9	167.5	Vertical	<u>PASS</u>
12555.486	-39.75	-13.0	26.8	270.6	Vertical	<u>PASS</u>

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



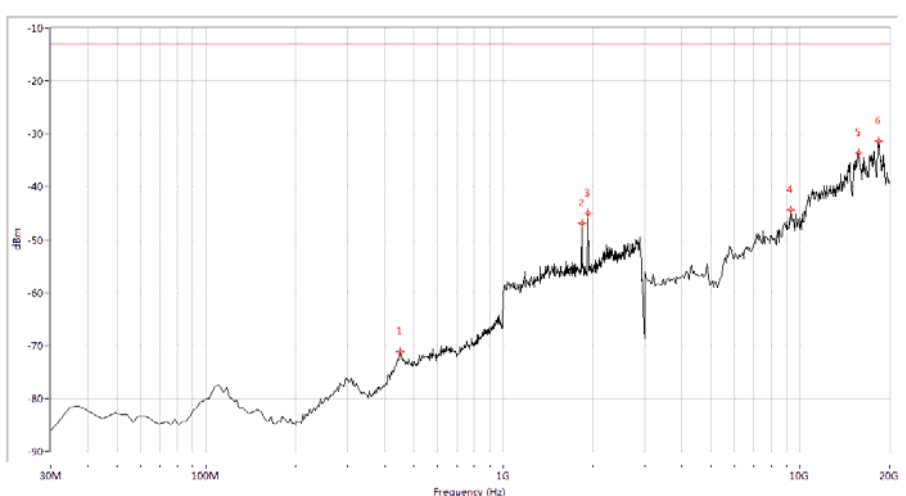
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
88.055	-67.98	-13.0	55.0	189.1	Horizontal	<u>PASS</u>
842.768	-58.79	-13.0	45.8	16.8	Horizontal	<u>PASS</u>
888.728	-46.92	-13.0	33.9	284.8	Horizontal	<u>PASS</u>
2625.935	-50.23	-13.0	37.2	157.2	Horizontal	<u>PASS</u>
5796.135	-51.71	-13.0	38.7	178.6	Horizontal	<u>PASS</u>
12044.888	-40.32	-13.0	27.3	3.4	Horizontal	<u>PASS</u>

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



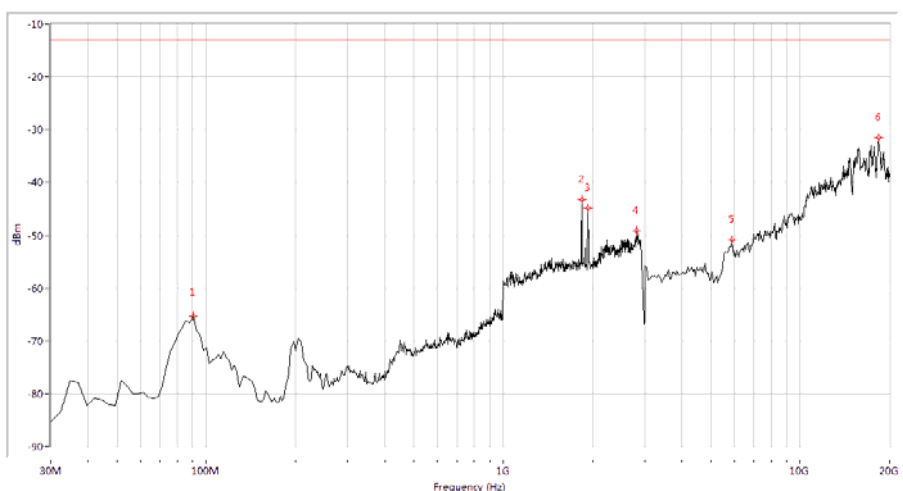
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
83.217	-65.41	-13.0	52.4	169.4	Vertical	<u>PASS</u>
845.187	-59.23	-13.0	46.2	263.8	Vertical	<u>PASS</u>
888.728	-46.50	-13.0	33.5	152.0	Vertical	<u>PASS</u>
2810.474	-49.42	-13.0	36.4	0.8	Vertical	<u>PASS</u>
5869.077	-51.41	-13.0	38.4	21.4	Vertical	<u>PASS</u>
11096.633	-39.37	-13.0	26.4	86.4	Vertical	<u>PASS</u>

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



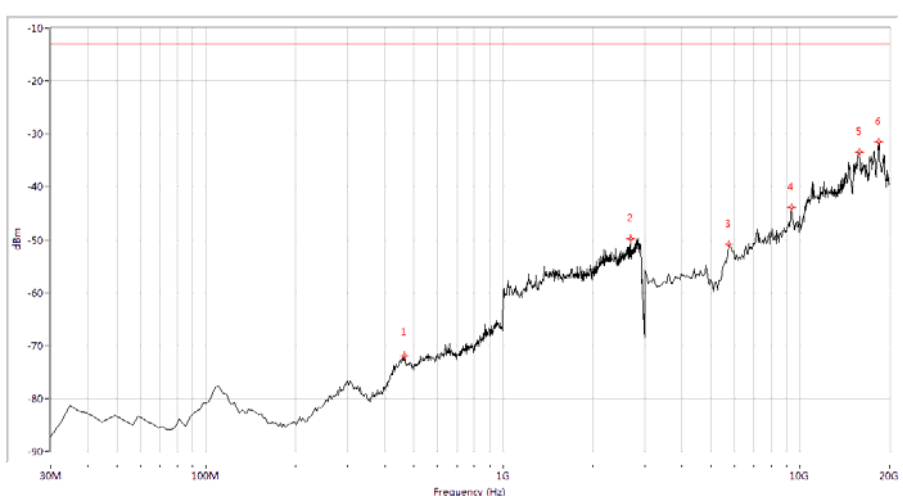
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
450.898	-71.16	-13.0	58.2	167.5	Horizontal	<u>PASS</u>
1837.905	-46.89	-13.0	33.9	65.8	Horizontal	<u>PASS</u>
1932.668	-45.08	-13.0	32.1	256.8	Horizontal	<u>PASS</u>
9316.708	-44.32	-13.0	31.3	139.4	Horizontal	<u>PASS</u>
15718.204	-33.60	-13.0	20.6	54.6	Horizontal	<u>PASS</u>
18389.027	-31.46	-13.0	18.5	28.2	Horizontal	<u>PASS</u>

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



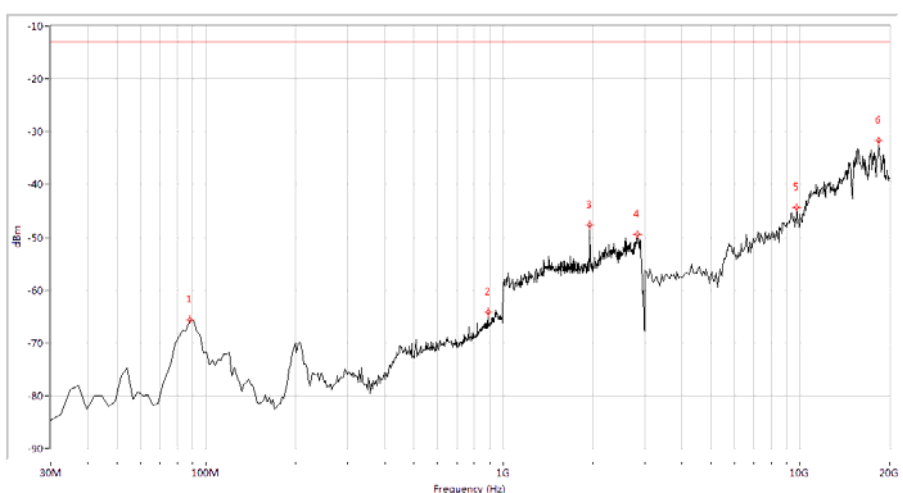
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
90.474	-65.28	-13.0	52.3	63.8	Vertical	<u>PASS</u>
1837.905	-43.22	-13.0	30.2	48.5	Vertical	<u>PASS</u>
1927.681	-44.81	-13.0	31.8	195.4	Vertical	<u>PASS</u>
2815.461	-49.11	-13.0	36.1	246.7	Vertical	<u>PASS</u>
5882.793	-50.93	-13.0	37.9	0.0	Vertical	<u>PASS</u>
18389.027	-31.60	-13.0	18.6	10.9	Vertical	<u>PASS</u>

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



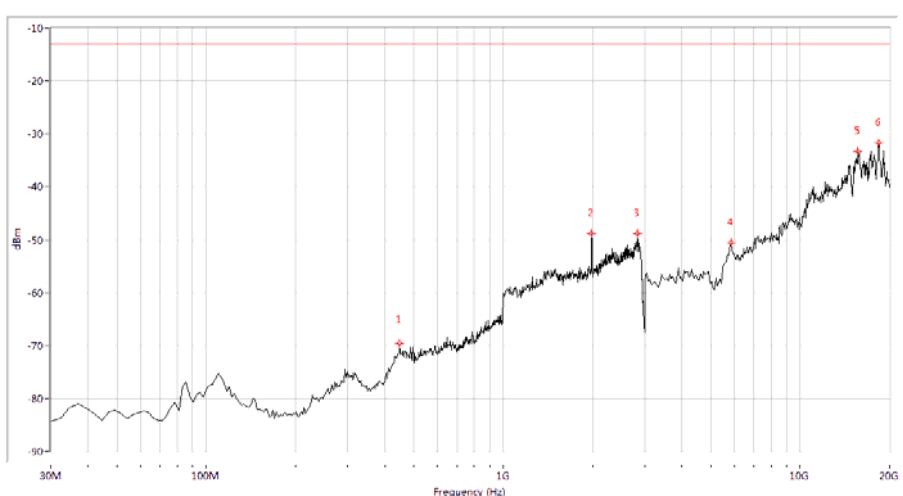
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
465.411	-71.94	-13.0	58.9	266.2	Horizontal	<u>PASS</u>
2680.798	-49.82	-13.0	36.8	15.7	Horizontal	<u>PASS</u>
5755.611	-50.88	-13.0	37.9	190.1	Horizontal	<u>PASS</u>
9359.102	-43.83	-13.0	30.8	288.9	Horizontal	<u>PASS</u>
15802.993	-33.37	-13.0	20.4	256.9	Horizontal	<u>PASS</u>
18431.421	-31.57	-13.0	18.6	288.9	Horizontal	<u>PASS</u>

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



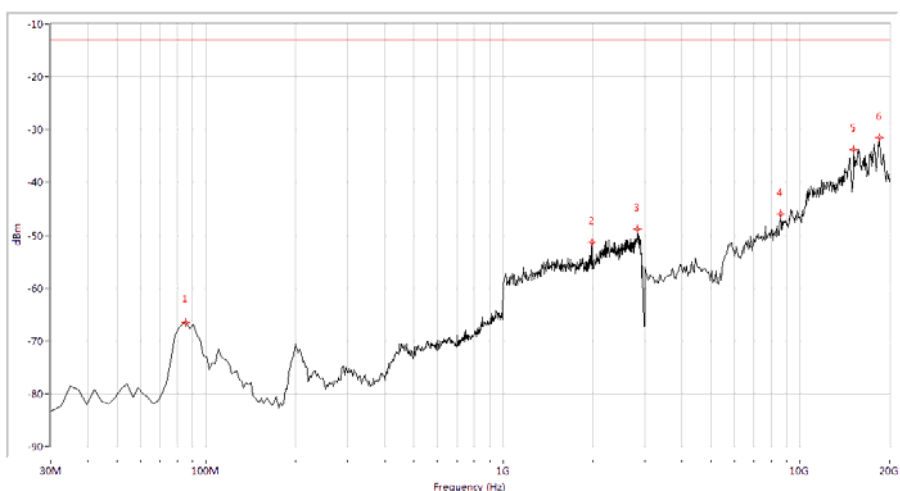
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
88.055	-65.62	-13.0	52.6	199.4	Vertical	<u>PASS</u>
888.728	-64.23	-13.0	51.2	341.7	Vertical	<u>PASS</u>
1957.606	-47.67	-13.0	34.7	166.1	Vertical	<u>PASS</u>
2835.411	-49.41	-13.0	36.4	75.7	Vertical	<u>PASS</u>
9740.648	-44.45	-13.0	31.5	71.9	Vertical	<u>PASS</u>
18389.027	-31.72	-13.0	18.7	355.6	Vertical	<u>PASS</u>

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



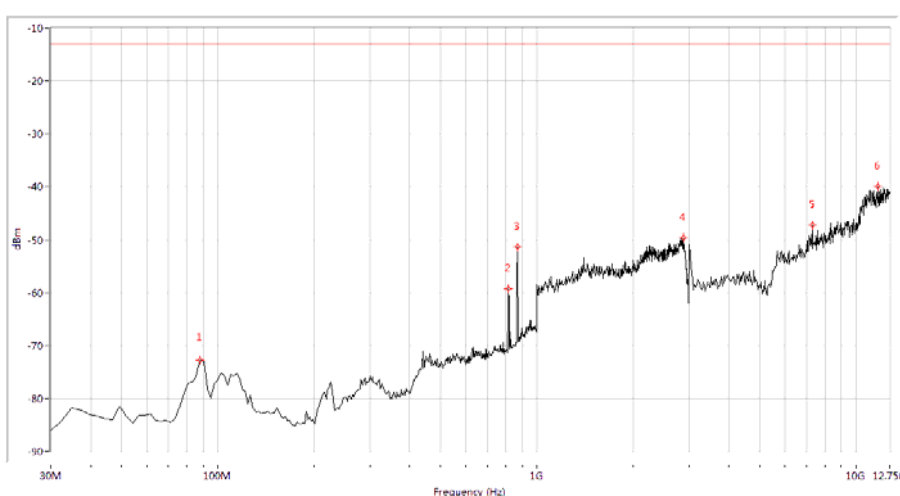
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
448.479	-69.57	-13.0	56.6	69.4	Horizontal	<u>PASS</u>
1982.544	-48.86	-13.0	35.9	153.4	Horizontal	<u>PASS</u>
2835.411	-48.80	-13.0	35.8	52.8	Horizontal	<u>PASS</u>
5840.399	-50.57	-13.0	37.6	305.7	Horizontal	<u>PASS</u>
15675.810	-33.35	-13.0	20.3	268.9	Horizontal	<u>PASS</u>
18346.633	-31.75	-13.0	18.8	196.4	Horizontal	<u>PASS</u>

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



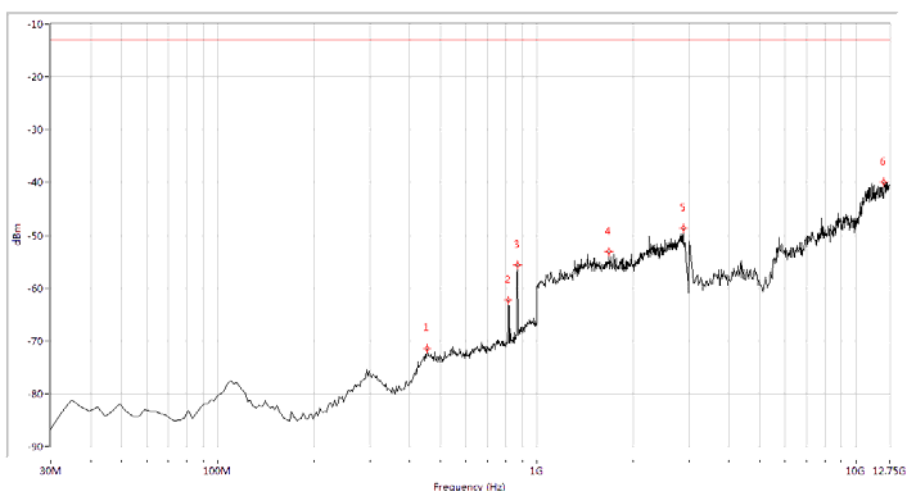
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
85.636	-66.61	-13.0	53.6	132.4	Vertical	<u>PASS</u>
1987.531	-51.30	-13.0	38.3	70.0	Vertical	<u>PASS</u>
2835.411	-48.85	-13.0	35.9	123.7	Vertical	<u>PASS</u>
8596.010	-45.98	-13.0	33.0	0.5	Vertical	<u>PASS</u>
15167.082	-33.82	-13.0	20.8	146.5	Vertical	<u>PASS</u>
18473.815	-31.49	-13.0	18.5	16.1	Vertical	<u>PASS</u>

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



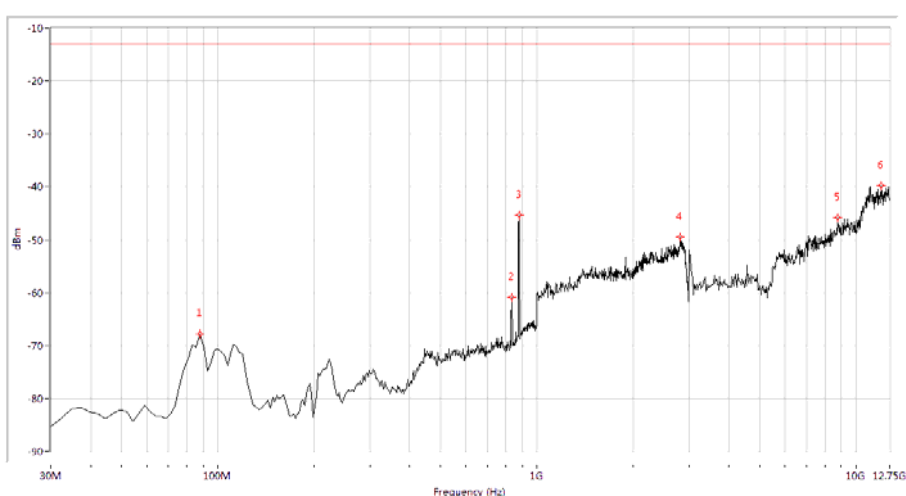
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
88.055	-72.66	-13.0	59.7	72.3	Horizontal	<u>PASS</u>
816.160	-59.25	-13.0	46.3	-0.0	Horizontal	<u>PASS</u>
869.377	-51.39	-13.0	38.4	354.3	Horizontal	<u>PASS</u>
2880.299	-49.64	-13.0	36.6	257.6	Horizontal	<u>PASS</u>
7303.616	-47.25	-13.0	34.3	195.3	Horizontal	<u>PASS</u>
11680.175	-39.98	-13.0	27.0	274.5	Horizontal	<u>PASS</u>

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



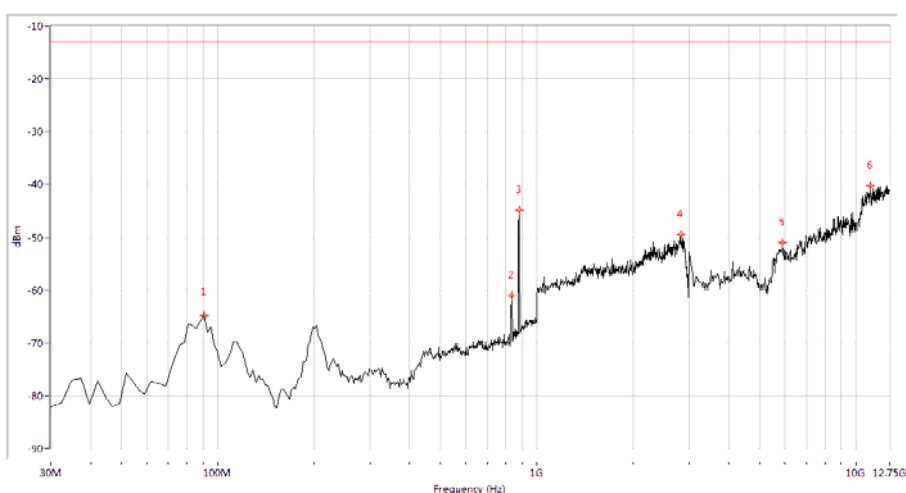
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
453.317	-71.52	-13.0	58.5	36.4	Vertical	<u>PASS</u>
816.160	-62.29	-13.0	49.3	52.8	Vertical	<u>PASS</u>
871.796	-55.62	-13.0	42.6	164.2	Vertical	<u>PASS</u>
1683.292	-53.13	-13.0	40.1	269.9	Vertical	<u>PASS</u>
2875.312	-48.67	-13.0	35.7	0.2	Vertical	<u>PASS</u>
12239.401	-39.98	-13.0	27.0	248.6	Vertical	<u>PASS</u>

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



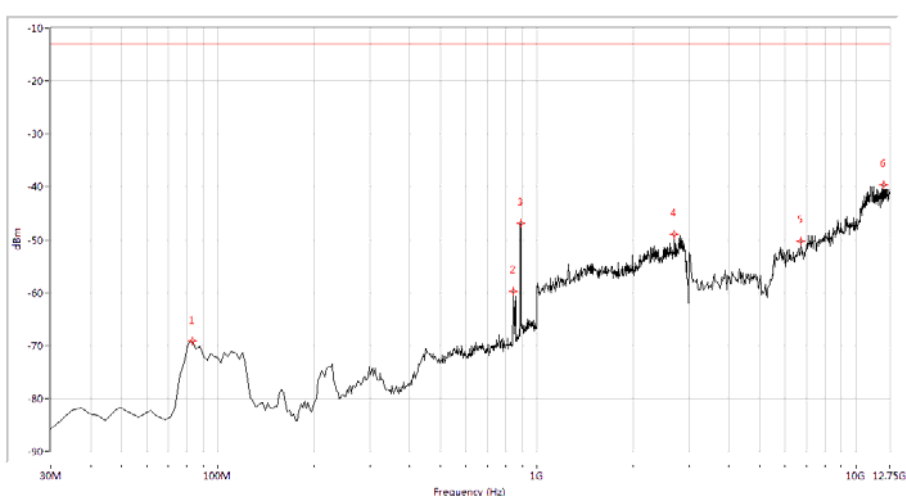
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
88.055	-67.85	-13.0	54.9	187.5	Horizontal	<u>PASS</u>
835.511	-60.79	-13.0	47.8	21.1	Horizontal	<u>PASS</u>
879.052	-45.37	-13.0	32.4	263.1	Horizontal	<u>PASS</u>
2820.449	-49.43	-13.0	36.4	86.9	Horizontal	<u>PASS</u>
8762.469	-45.85	-13.0	32.8	195.6	Horizontal	<u>PASS</u>
12020.574	-39.76	-13.0	26.8	195.6	Horizontal	<u>PASS</u>

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



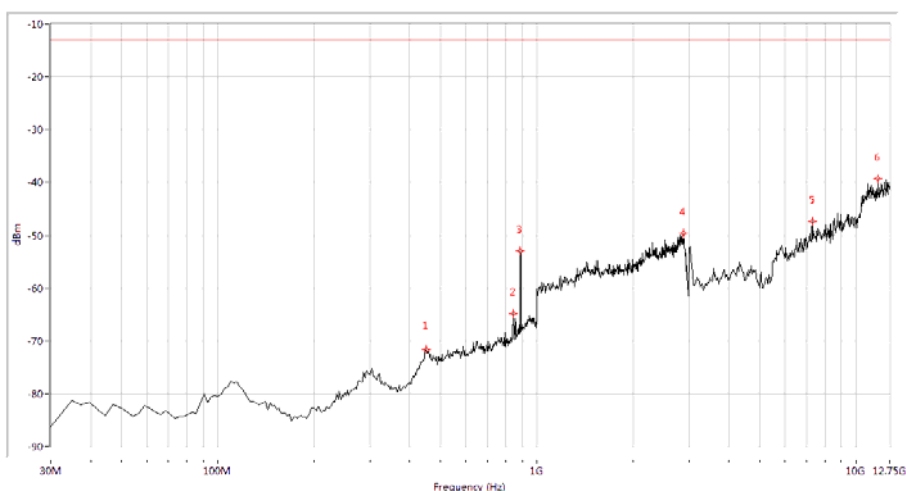
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
90.474	-64.75	-13.0	51.8	107.2	Vertical	<u>PASS</u>
835.511	-61.08	-13.0	48.1	46.9	Vertical	<u>PASS</u>
879.052	-44.84	-13.0	31.8	194.9	Vertical	<u>PASS</u>
2825.436	-49.51	-13.0	36.5	102.0	Vertical	<u>PASS</u>
5893.392	-51.05	-13.0	38.1	138.6	Vertical	<u>PASS</u>
11072.319	-40.33	-13.0	27.3	334.8	Vertical	<u>PASS</u>

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



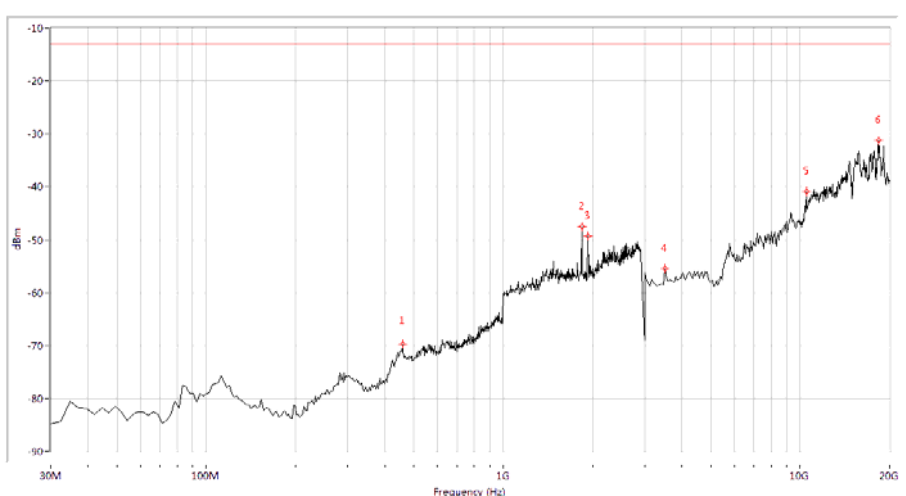
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
83.217	-69.03	-13.0	56.0	210.7	Horizontal	<u>PASS</u>
845.187	-59.75	-13.0	46.8	263.2	Horizontal	<u>PASS</u>
891.147	-46.96	-13.0	34.0	256.9	Horizontal	<u>PASS</u>
2700.748	-48.95	-13.0	36.0	263.6	Horizontal	<u>PASS</u>
6720.075	-50.27	-13.0	37.3	219.3	Horizontal	<u>PASS</u>
12239.401	-39.60	-13.0	26.6	17.7	Horizontal	<u>PASS</u>

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



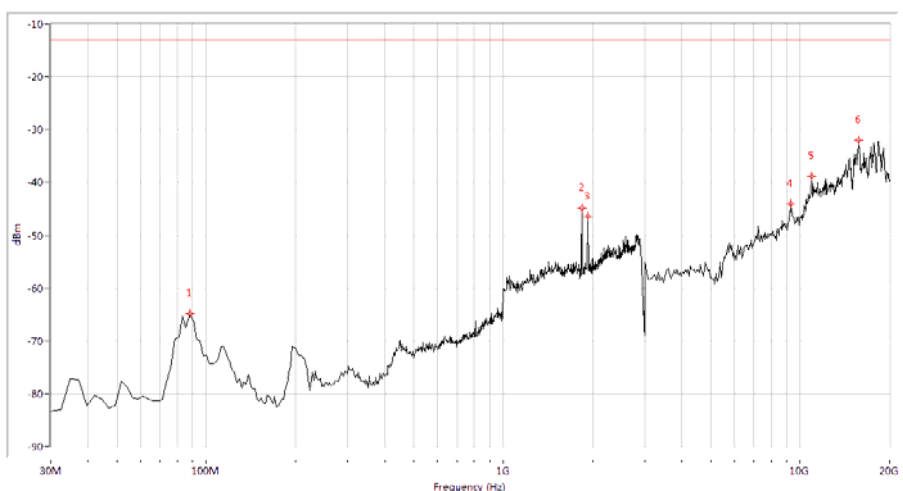
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
450.898	-71.68	-13.0	58.7	169.4	Vertical	<u>PASS</u>
842.768	-64.82	-13.0	51.8	65.4	Vertical	<u>PASS</u>
888.728	-52.97	-13.0	40.0	89.2	Vertical	<u>PASS</u>
2875.312	-49.57	-13.0	36.6	136.8	Vertical	<u>PASS</u>
7327.930	-47.41	-13.0	34.4	91.1	Vertical	<u>PASS</u>
11680.175	-39.33	-13.0	26.3	0.0	Vertical	<u>PASS</u>

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



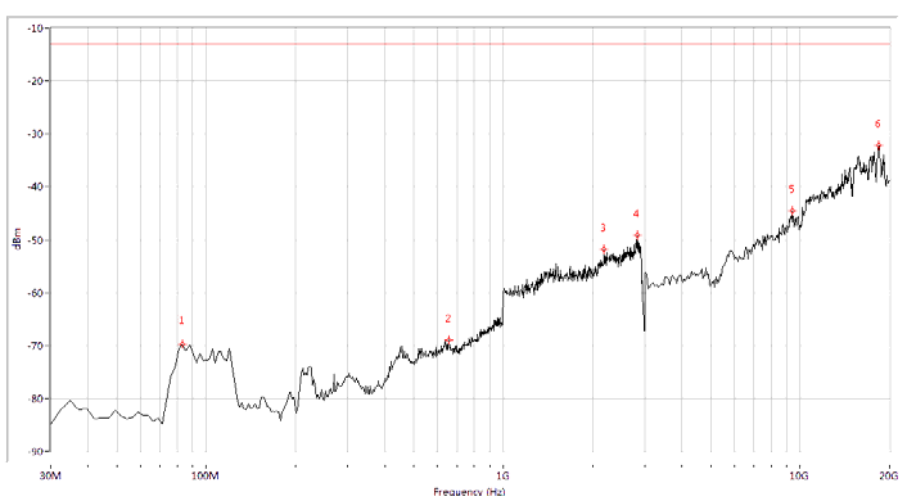
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
458.155	-69.73	-13.0	56.7	63.4	Horizontal	<u>PASS</u>
1837.905	-47.61	-13.0	34.6	195.8	Horizontal	<u>PASS</u>
1932.668	-49.22	-13.0	36.2	264.7	Horizontal	<u>PASS</u>
3508.728	-55.42	-13.0	42.4	23.5	Horizontal	<u>PASS</u>
10503.741	-40.90	-13.0	27.9	269.5	Horizontal	<u>PASS</u>
18389.027	-31.26	-13.0	18.3	86.4	Horizontal	<u>PASS</u>

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



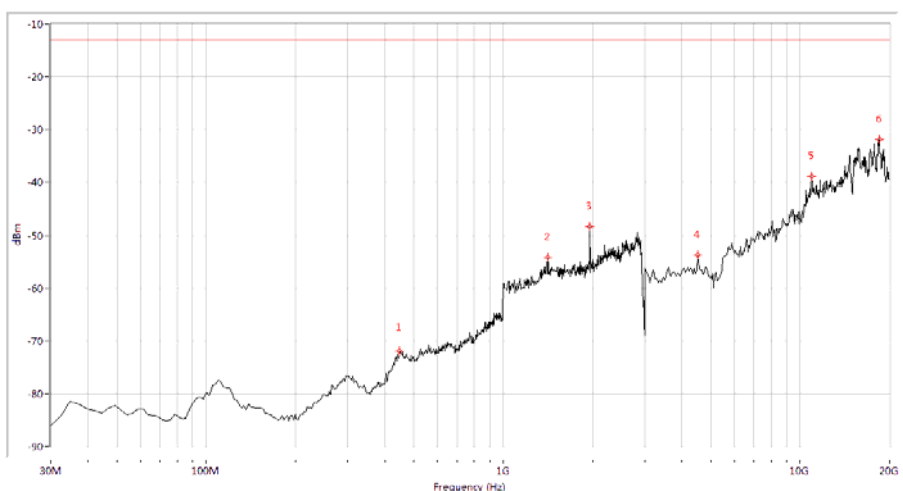
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
88.055	-64.87	-13.0	51.9	94.8	Vertical	<u>PASS</u>
1837.905	-44.88	-13.0	31.9	197.9	Vertical	<u>PASS</u>
1927.681	-46.36	-13.0	33.4	326.7	Vertical	<u>PASS</u>
9274.314	-44.04	-13.0	31.0	152.8	Vertical	<u>PASS</u>
10927.681	-38.91	-13.0	25.9	247.1	Vertical	<u>PASS</u>
15760.599	-32.10	-13.0	19.1	0.5	Vertical	<u>PASS</u>

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



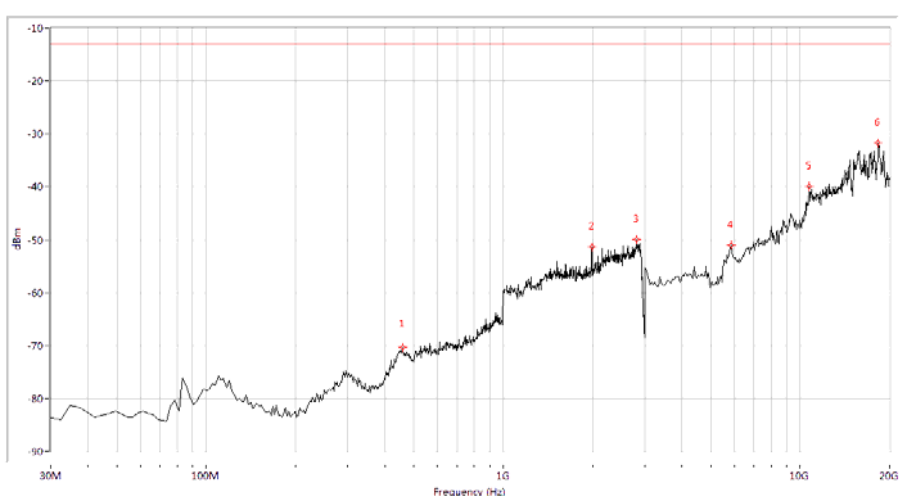
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
83.217	-69.68	-13.0	56.7	345.8	Horizontal	<u>PASS</u>
656.509	-68.93	-13.0	55.9	95.6	Horizontal	<u>PASS</u>
2182.045	-51.88	-13.0	38.9	264.5	Horizontal	<u>PASS</u>
2835.411	-49.20	-13.0	36.2	158.3	Horizontal	<u>PASS</u>
9443.890	-44.50	-13.0	31.5	67.4	Horizontal	<u>PASS</u>
18431.421	-32.15	-13.0	19.2	57.6	Horizontal	<u>PASS</u>

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



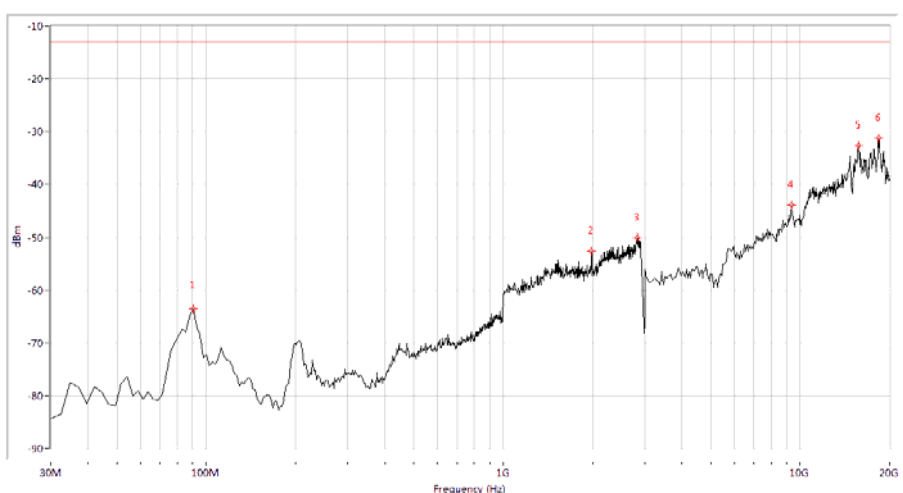
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
448.479	-71.98	-13.0	59.0	91.4	Vertical	<u>PASS</u>
1413.965	-54.27	-13.0	41.3	-0.0	Vertical	<u>PASS</u>
1957.606	-48.26	-13.0	35.3	191.5	Vertical	<u>PASS</u>
4526.185	-53.76	-13.0	40.8	360.0	Vertical	<u>PASS</u>
10927.681	-38.80	-13.0	25.8	202.2	Vertical	<u>PASS</u>
18473.815	-31.83	-13.0	18.8	306.0	Vertical	<u>PASS</u>

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



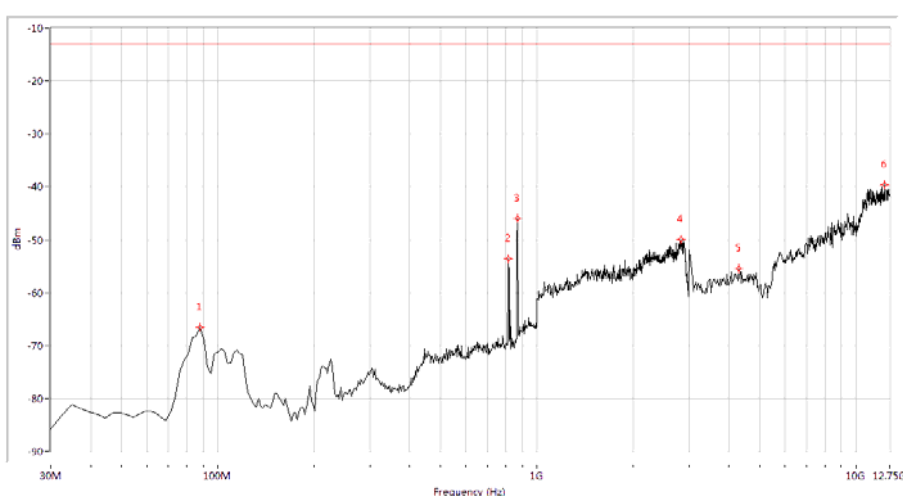
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
460.574	-70.39	-13.0	57.4	342.1	Horizontal	<u>PASS</u>
1987.531	-51.29	-13.0	38.3	268.4	Horizontal	<u>PASS</u>
2815.461	-49.85	-13.0	36.8	173.4	Horizontal	<u>PASS</u>
5840.399	-51.02	-13.0	38.0	52.8	Horizontal	<u>PASS</u>
10715.711	-39.97	-13.0	27.0	95.6	Horizontal	<u>PASS</u>
18304.239	-31.72	-13.0	18.7	111.0	Horizontal	<u>PASS</u>

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



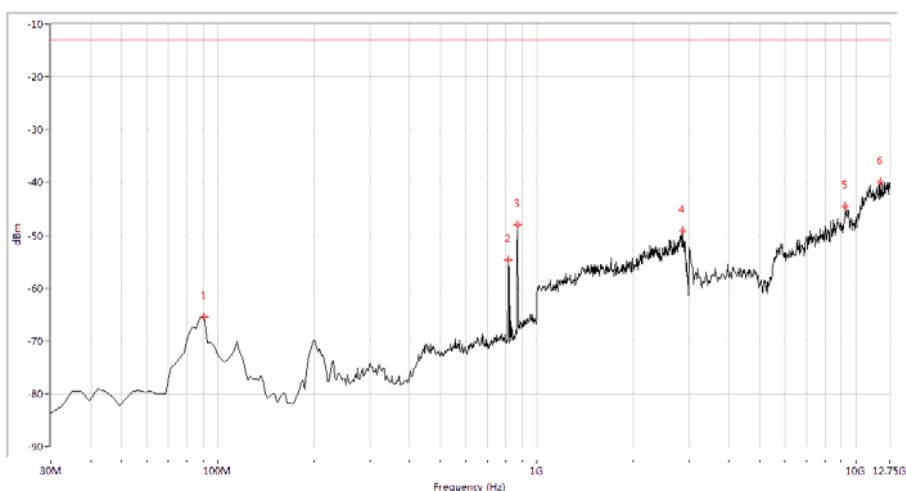
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
90.474	-63.59	-13.0	50.6	4.2	Vertical	<u>PASS</u>
1982.544	-52.60	-13.0	39.6	38.6	Vertical	<u>PASS</u>
2825.436	-50.11	-13.0	37.1	258.5	Vertical	<u>PASS</u>
9359.102	-43.89	-13.0	30.9	359.8	Vertical	<u>PASS</u>
15718.204	-32.67	-13.0	19.7	235.3	Vertical	<u>PASS</u>
18346.633	-31.17	-13.0	18.2	250.5	Vertical	<u>PASS</u>

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



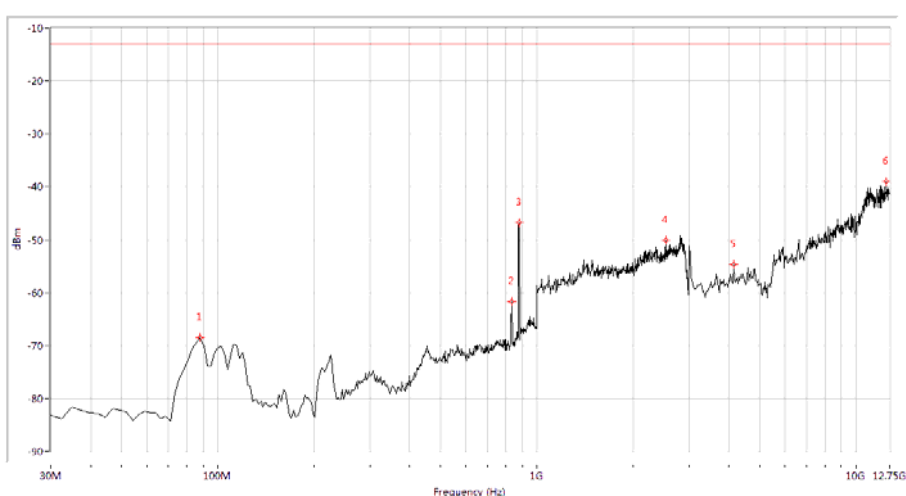
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
88.055	-66.51	-13.0	53.5	196.8	Horizontal	<u>PASS</u>
816.160	-53.55	-13.0	40.5	29.5	Horizontal	<u>PASS</u>
869.377	-46.01	-13.0	33.0	269.2	Horizontal	<u>PASS</u>
2830.424	-49.95	-13.0	37.0	73.1	Horizontal	<u>PASS</u>
4288.653	-55.49	-13.0	42.5	36.5	Horizontal	<u>PASS</u>
12288.030	-39.60	-13.0	26.6	48.4	Horizontal	<u>PASS</u>

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



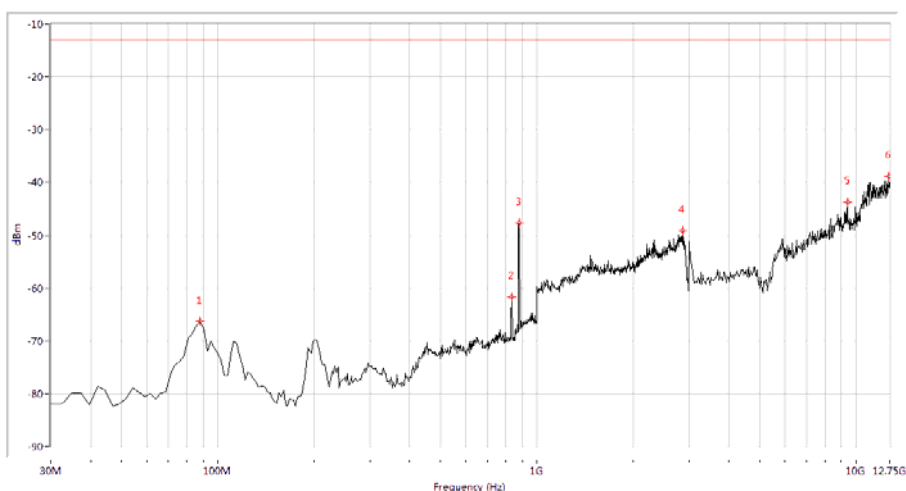
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
90.474	-65.41	-13.0	52.4	321.5	Vertical	<u>PASS</u>
816.160	-54.65	-13.0	41.7	164.7	Vertical	<u>PASS</u>
871.796	-48.04	-13.0	35.0	30.4	Vertical	<u>PASS</u>
2855.362	-49.14	-13.0	36.1	125.4	Vertical	<u>PASS</u>
9273.067	-44.61	-13.0	31.6	97.6	Vertical	<u>PASS</u>
11899.002	-39.97	-13.0	27.0	20.0	Vertical	<u>PASS</u>

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



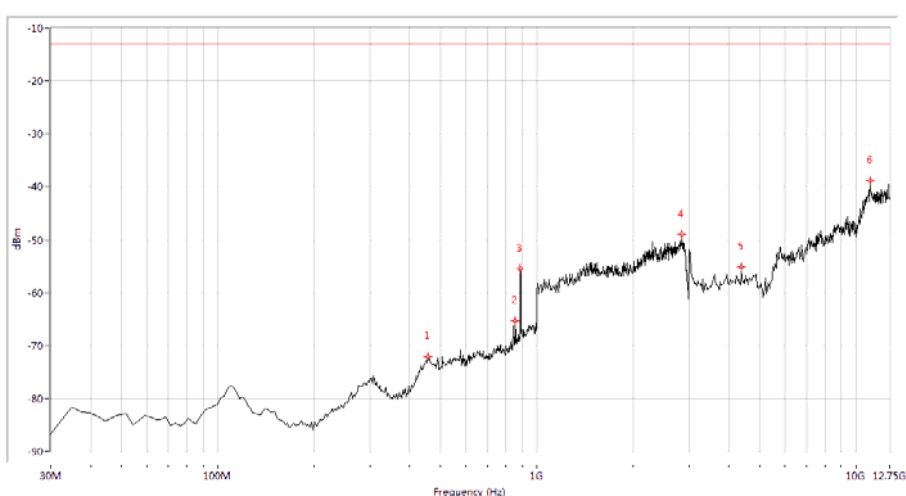
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
88.055	-68.41	-13.0	55.4	197.7	Horizontal	<u>PASS</u>
833.092	-61.63	-13.0	48.6	269.0	Horizontal	<u>PASS</u>
879.052	-46.72	-13.0	33.7	253.9	Horizontal	<u>PASS</u>
2531.172	-50.07	-13.0	37.1	3.0	Horizontal	<u>PASS</u>
4142.768	-54.62	-13.0	41.6	222.1	Horizontal	<u>PASS</u>
12458.229	-38.99	-13.0	26.0	216.8	Horizontal	<u>PASS</u>

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



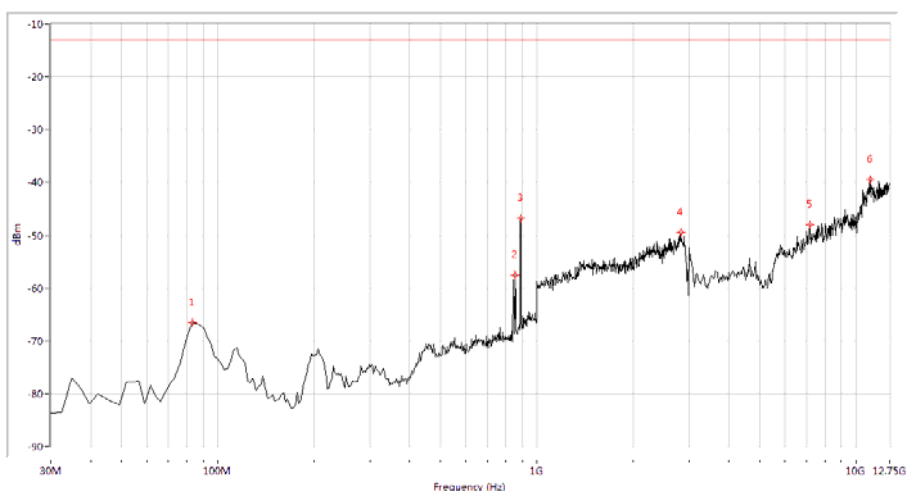
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
88.055	-66.20	-13.0	53.2	318.4	Vertical	<u>PASS</u>
835.511	-61.62	-13.0	48.6	96.7	Vertical	<u>PASS</u>
879.052	-47.73	-13.0	34.7	182.0	Vertical	<u>PASS</u>
2855.362	-49.16	-13.0	36.2	24.7	Vertical	<u>PASS</u>
9418.953	-43.79	-13.0	30.8	95.6	Vertical	<u>PASS</u>
12701.372	-38.91	-13.0	25.9	121.0	Vertical	<u>PASS</u>

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



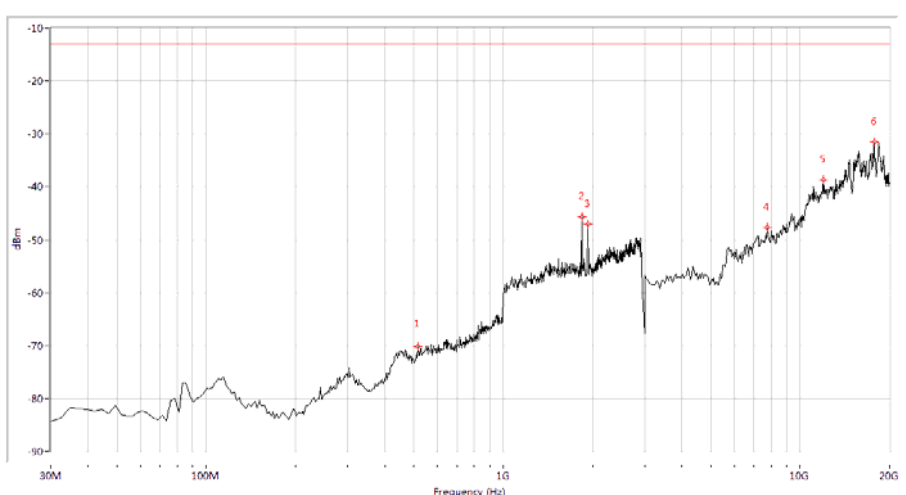
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
455.736	-72.08	-13.0	59.1	2.7	Horizontal	<u>PASS</u>
854.863	-65.30	-13.0	52.3	105.1	Horizontal	<u>PASS</u>
888.728	-55.42	-13.0	42.4	278.5	Horizontal	<u>PASS</u>
2845.387	-49.02	-13.0	36.0	164.4	Horizontal	<u>PASS</u>
4385.910	-55.09	-13.0	42.1	198.5	Horizontal	<u>PASS</u>
11072.319	-38.81	-13.0	25.8	266.6	Horizontal	<u>PASS</u>

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



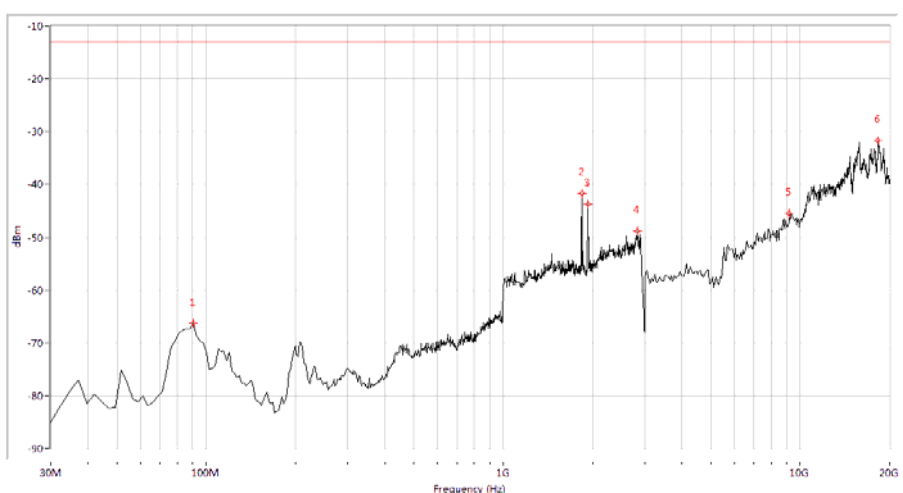
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
83.217	-66.54	-13.0	53.5	69.5	Vertical	<u>PASS</u>
854.863	-57.58	-13.0	44.6	168.5	Vertical	<u>PASS</u>
891.147	-46.77	-13.0	33.8	52.3	Vertical	<u>PASS</u>
2825.436	-49.44	-13.0	36.4	169.9	Vertical	<u>PASS</u>
7157.731	-48.10	-13.0	35.1	0.0	Vertical	<u>PASS</u>
11096.633	-39.51	-13.0	26.5	360.0	Vertical	<u>PASS</u>

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



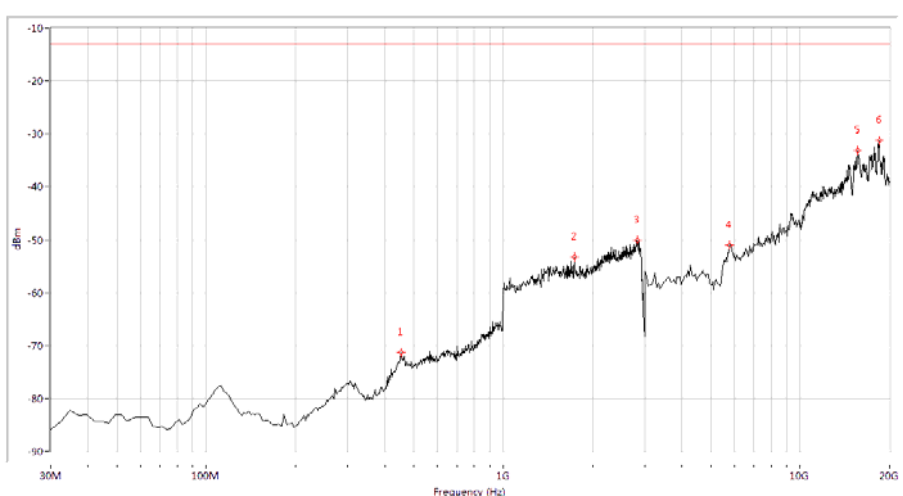
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
516.209	-70.24	-13.0	57.2	95.7	Horizontal	<u>PASS</u>
1837.905	-45.68	-13.0	32.7	48.3	Horizontal	<u>PASS</u>
1932.668	-47.08	-13.0	34.1	164.8	Horizontal	<u>PASS</u>
7748.130	-47.69	-13.0	34.7	105.6	Horizontal	<u>PASS</u>
11945.137	-38.66	-13.0	25.7	42.9	Horizontal	<u>PASS</u>
17753.117	-31.57	-13.0	18.6	254.3	Horizontal	<u>PASS</u>

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



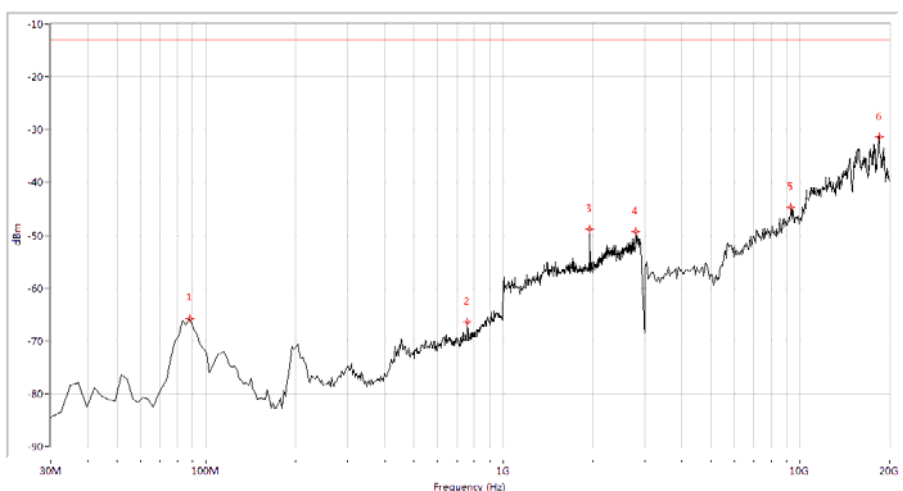
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
90.474	-66.28	-13.0	53.3	349.7	Vertical	<u>PASS</u>
1837.905	-41.62	-13.0	28.6	152.8	Vertical	<u>PASS</u>
1932.668	-43.80	-13.0	30.8	84.2	Vertical	<u>PASS</u>
2830.424	-48.75	-13.0	35.8	63.9	Vertical	<u>PASS</u>
9189.526	-45.50	-13.0	32.5	94.2	Vertical	<u>PASS</u>
18304.239	-31.75	-13.0	18.8	147.5	Vertical	<u>PASS</u>

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



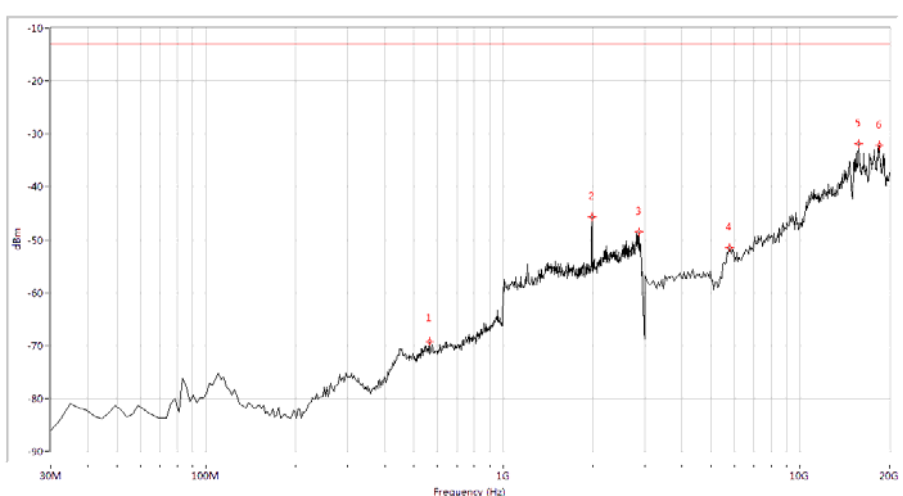
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
453.317	-71.36	-13.0	58.4	346.5	Horizontal	<u>PASS</u>
1738.155	-53.27	-13.0	40.3	258.7	Horizontal	<u>PASS</u>
2835.411	-50.03	-13.0	37.0	95.8	Horizontal	<u>PASS</u>
5798.005	-51.09	-13.0	38.1	156.4	Horizontal	<u>PASS</u>
15633.416	-33.14	-13.0	20.1	263.5	Horizontal	<u>PASS</u>
18473.815	-31.17	-13.0	18.2	185.3	Horizontal	<u>PASS</u>

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



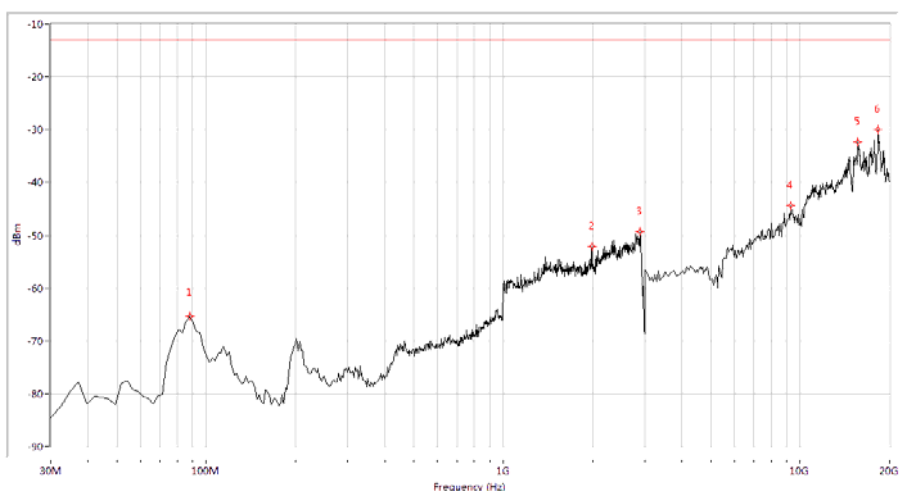
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
88.055	-65.80	-13.0	52.8	269.5	Vertical	<u>PASS</u>
758.105	-66.37	-13.0	53.4	33.8	Vertical	<u>PASS</u>
1957.606	-48.78	-13.0	35.8	215.7	Vertical	<u>PASS</u>
2800.499	-49.29	-13.0	36.3	3.9	Vertical	<u>PASS</u>
9316.708	-44.77	-13.0	31.8	-0.0	Vertical	<u>PASS</u>
18473.815	-31.41	-13.0	18.4	326.8	Vertical	<u>PASS</u>

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



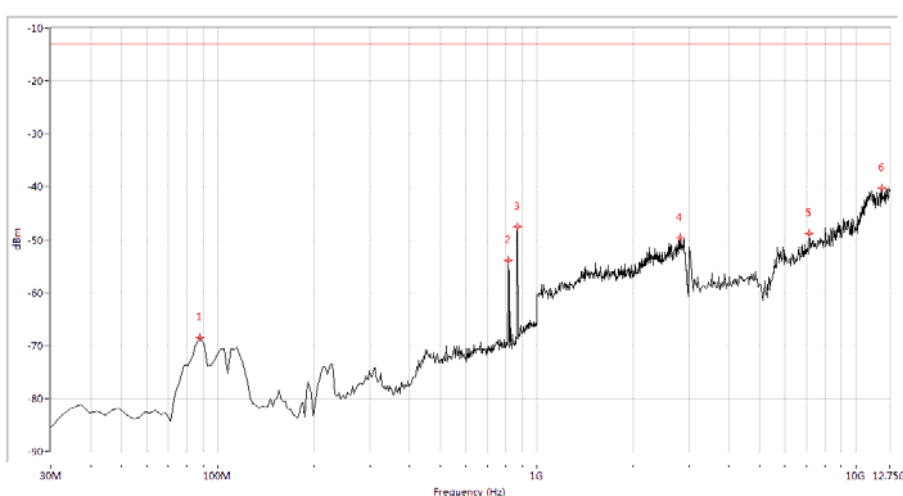
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
564.589	-69.19	-13.0	56.2	325.9	Horizontal	<u>PASS</u>
1987.531	-45.66	-13.0	32.7	45.5	Horizontal	<u>PASS</u>
2870.324	-48.43	-13.0	35.4	264.7	Horizontal	<u>PASS</u>
5798.005	-51.53	-13.0	38.5	152.5	Horizontal	<u>PASS</u>
15718.204	-31.86	-13.0	18.9	35.9	Horizontal	<u>PASS</u>
18473.815	-32.23	-13.0	19.2	68.7	Horizontal	<u>PASS</u>

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



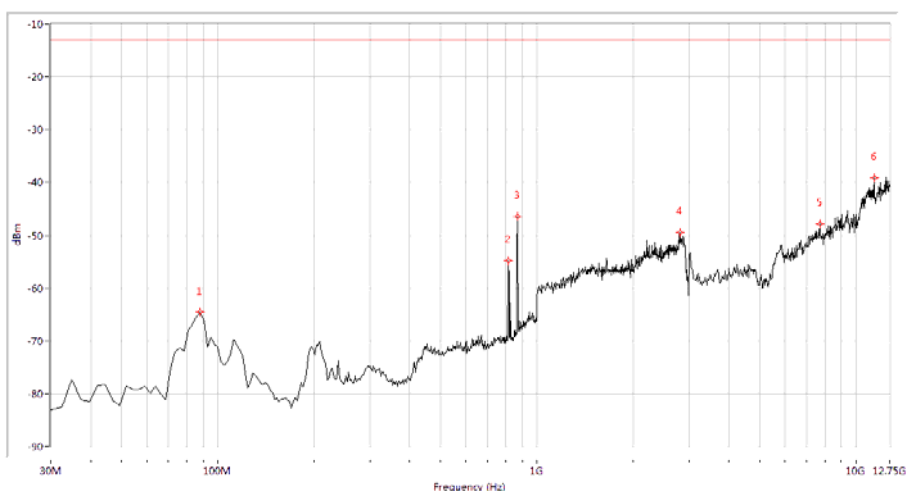
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
88.055	-65.26	-13.0	52.3	233.4	Vertical	<u>PASS</u>
1987.531	-52.10	-13.0	39.1	32.9	Vertical	<u>PASS</u>
2895.262	-49.34	-13.0	36.3	212.8	Vertical	<u>PASS</u>
9274.314	-44.39	-13.0	31.4	82.6	Vertical	<u>PASS</u>
15675.810	-32.28	-13.0	19.3	220.8	Vertical	<u>PASS</u>
18304.239	-29.97	-13.0	17.0	350.9	Vertical	<u>PASS</u>

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



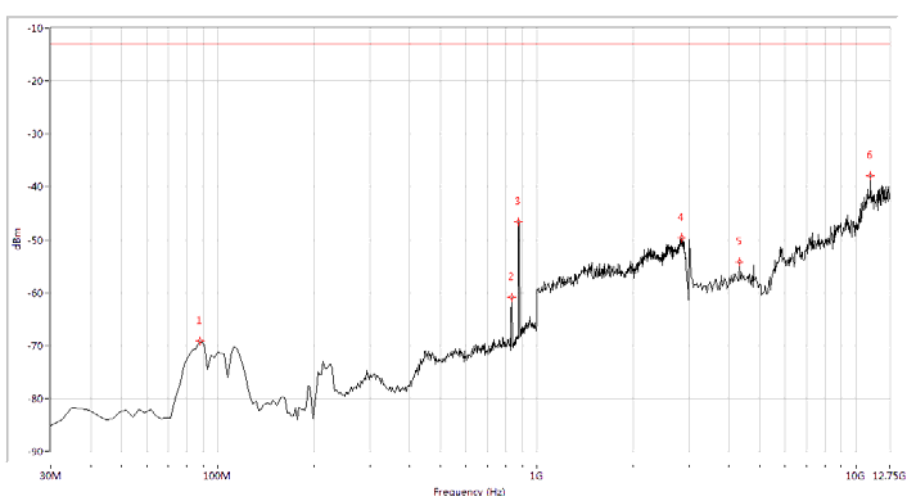
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
88.055	-68.41	-13.0	55.4	-0.0	Horizontal	<u>PASS</u>
816.160	-53.84	-13.0	40.8	301.9	Horizontal	<u>PASS</u>
869.377	-47.54	-13.0	34.5	259.9	Horizontal	<u>PASS</u>
2820.449	-49.60	-13.0	36.6	60.0	Horizontal	<u>PASS</u>
7133.416	-48.74	-13.0	35.7	164.7	Horizontal	<u>PASS</u>
12044.888	-40.33	-13.0	27.3	320.9	Horizontal	<u>PASS</u>

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



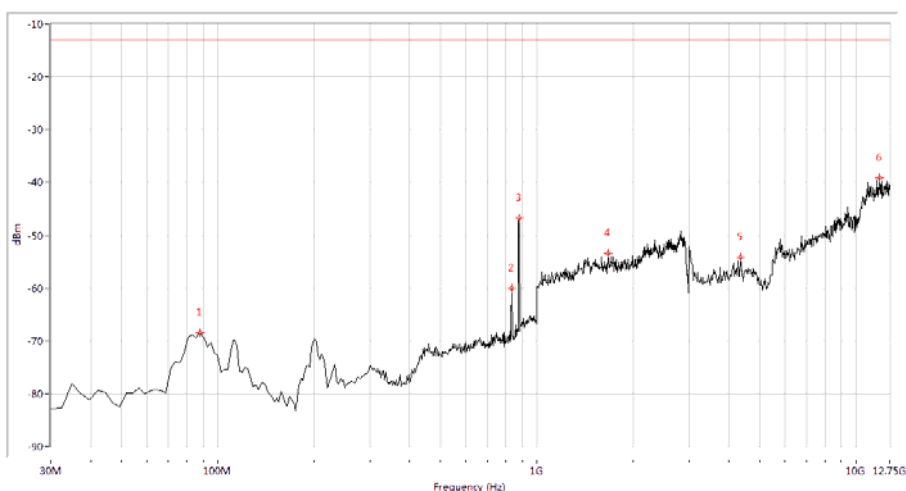
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
88.055	-64.42	-13.0	51.4	321.5	Vertical	<u>PASS</u>
816.160	-54.76	-13.0	41.8	15.2	Vertical	<u>PASS</u>
869.377	-46.50	-13.0	33.5	69.7	Vertical	<u>PASS</u>
2810.474	-49.48	-13.0	36.5	184.3	Vertical	<u>PASS</u>
7716.958	-47.78	-13.0	34.8	33.2	Vertical	<u>PASS</u>
11437.032	-39.14	-13.0	26.1	121.4	Vertical	<u>PASS</u>

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



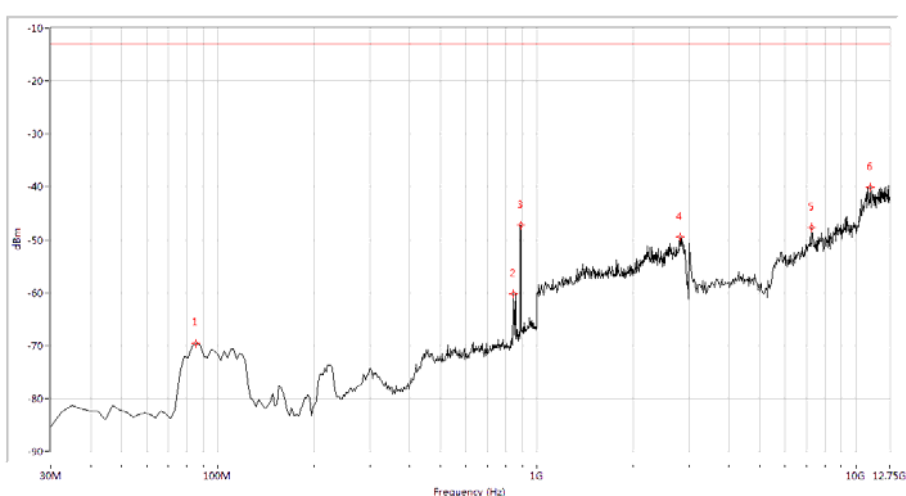
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
88.055	-69.08	-13.0	56.1	180.8	Horizontal	<u>PASS</u>
835.511	-60.91	-13.0	47.9	141.2	Horizontal	<u>PASS</u>
876.633	-46.55	-13.0	33.6	270.9	Horizontal	<u>PASS</u>
2850.374	-49.60	-13.0	36.6	127.0	Horizontal	<u>PASS</u>
4312.968	-54.19	-13.0	41.2	194.3	Horizontal	<u>PASS</u>
11096.633	-37.92	-13.0	24.9	336.7	Horizontal	<u>PASS</u>

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



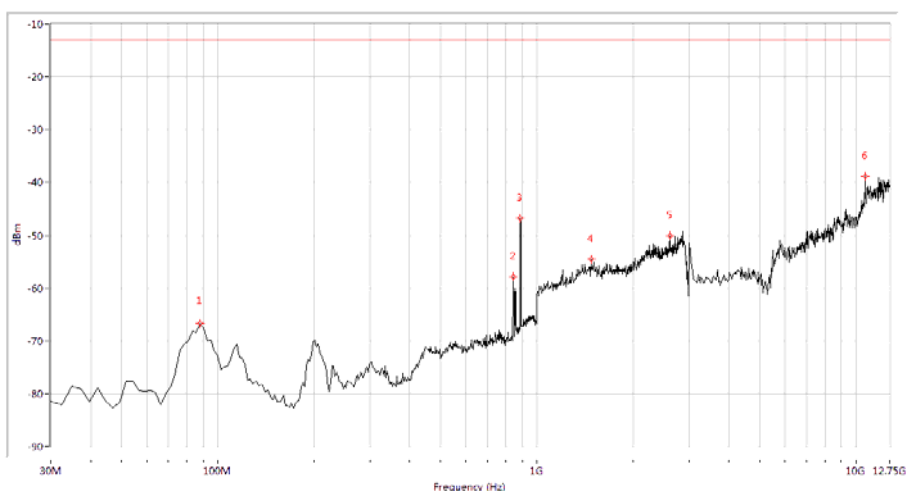
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
88.055	-68.44	-13.0	55.4	32.6	Vertical	<u>PASS</u>
835.511	-60.06	-13.0	47.1	164.8	Vertical	<u>PASS</u>
879.052	-46.73	-13.0	33.7	251.8	Vertical	<u>PASS</u>
1668.329	-53.39	-13.0	40.4	360.0	Vertical	<u>PASS</u>
4337.282	-54.22	-13.0	41.2	318.7	Vertical	<u>PASS</u>
11874.688	-39.09	-13.0	26.1	261.8	Vertical	<u>PASS</u>

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



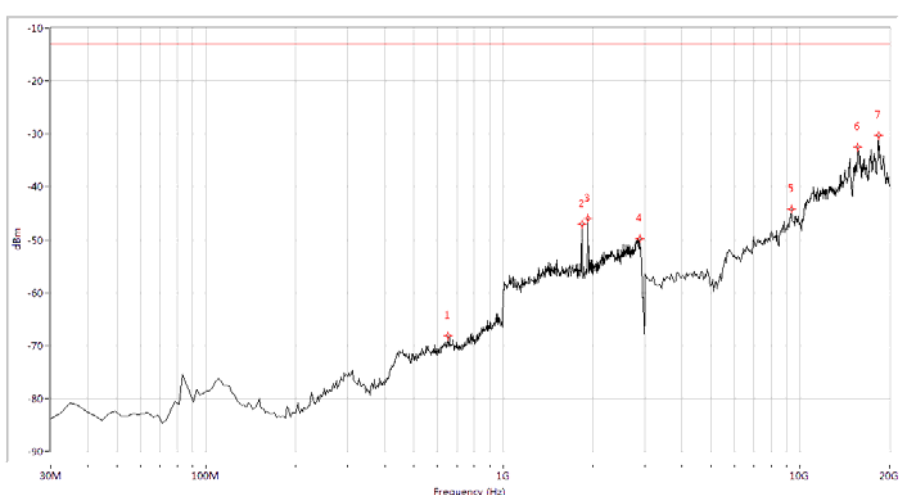
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
85.636	-69.63	-13.0	56.6	317.2	Horizontal	<u>PASS</u>
845.187	-60.28	-13.0	47.3	25.4	Horizontal	<u>PASS</u>
891.147	-47.18	-13.0	34.2	264.4	Horizontal	<u>PASS</u>
2815.461	-49.51	-13.0	36.5	16.2	Horizontal	<u>PASS</u>
7279.302	-47.68	-13.0	34.7	181.9	Horizontal	<u>PASS</u>
11072.319	-40.15	-13.0	27.1	249.9	Horizontal	<u>PASS</u>

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



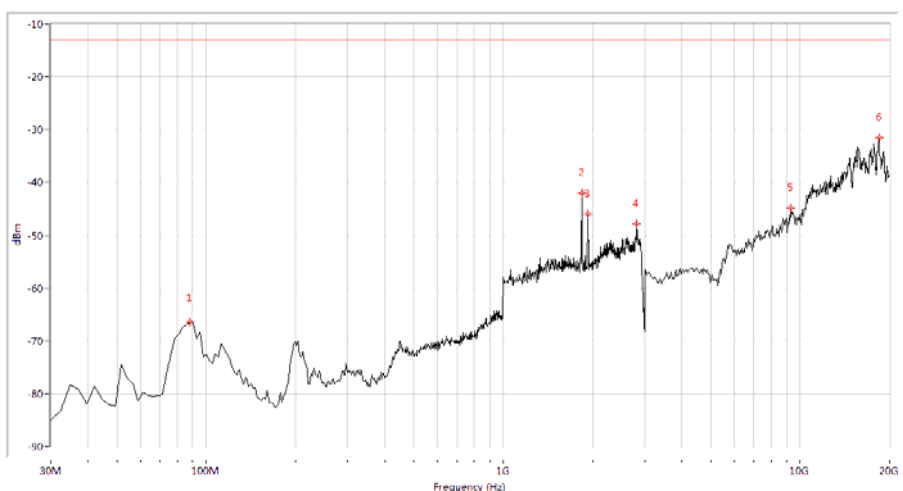
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
88.055	-66.79	-13.0	53.8	69.4	Vertical	<u>PASS</u>
845.187	-57.85	-13.0	44.9	165.7	Vertical	<u>PASS</u>
888.728	-46.82	-13.0	33.8	84.5	Vertical	<u>PASS</u>
1478.803	-54.49	-13.0	41.5	264.3	Vertical	<u>PASS</u>
2610.973	-50.14	-13.0	37.1	63.9	Vertical	<u>PASS</u>
10683.292	-38.78	-13.0	25.8	19.0	Vertical	<u>PASS</u>

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



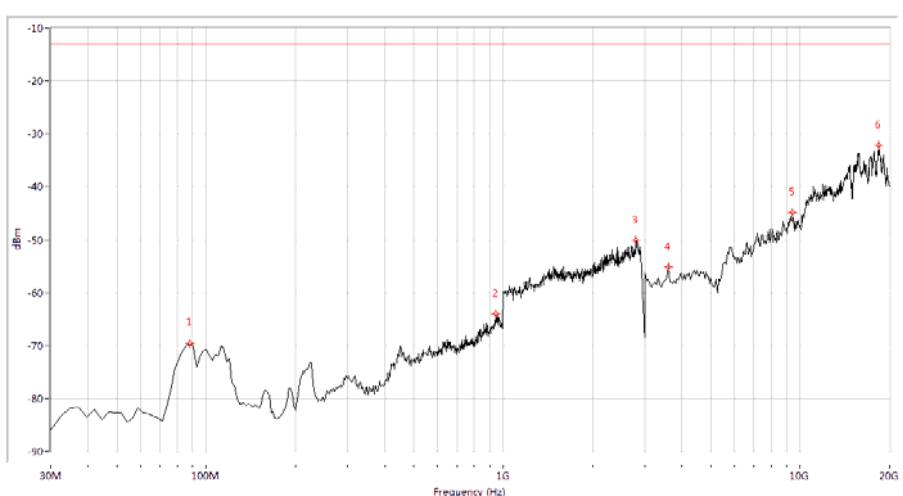
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
651.671	-68.07	-13.0	55.1	64.5	Horizontal	<u>PASS</u>
1837.905	-47.12	-13.0	34.1	256.8	Horizontal	<u>PASS</u>
1932.668	-46.04	-13.0	33.0	175.3	Horizontal	<u>PASS</u>
2890.274	-49.70	-13.0	36.7	94.1	Horizontal	<u>PASS</u>
9359.102	-44.22	-13.0	31.2	0.0	Horizontal	<u>PASS</u>
15675.810	-32.47	-13.0	19.5	71.2	Horizontal	<u>PASS</u>
18346.633	-30.35	-13.0	17.3	164.1	Horizontal	<u>PASS</u>

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



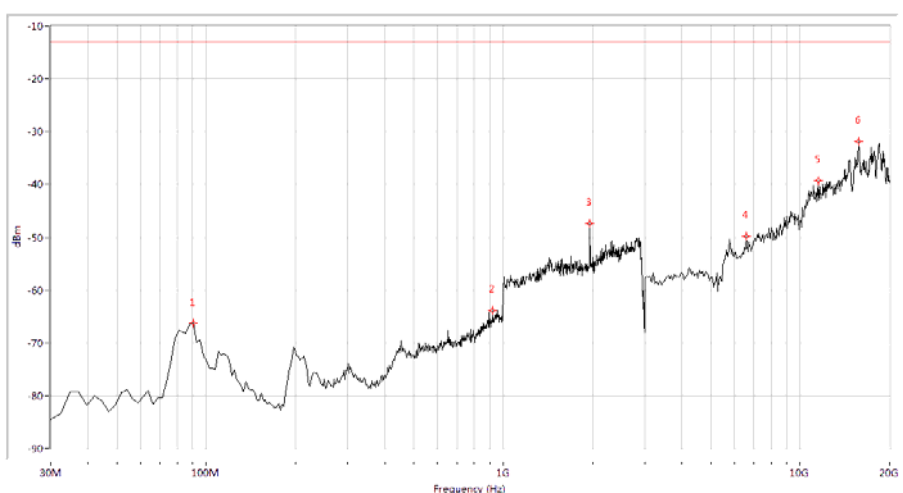
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
88.055	-66.41	-13.0	53.4	345.2	Vertical	<u>PASS</u>
1837.905	-41.94	-13.0	28.9	0.8	Vertical	<u>PASS</u>
1932.668	-46.04	-13.0	33.0	123.4	Vertical	<u>PASS</u>
2820.449	-47.93	-13.0	34.9	24.5	Vertical	<u>PASS</u>
9274.314	-44.86	-13.0	31.9	47.6	Vertical	<u>PASS</u>
18473.815	-31.55	-13.0	18.5	247.3	Vertical	<u>PASS</u>

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



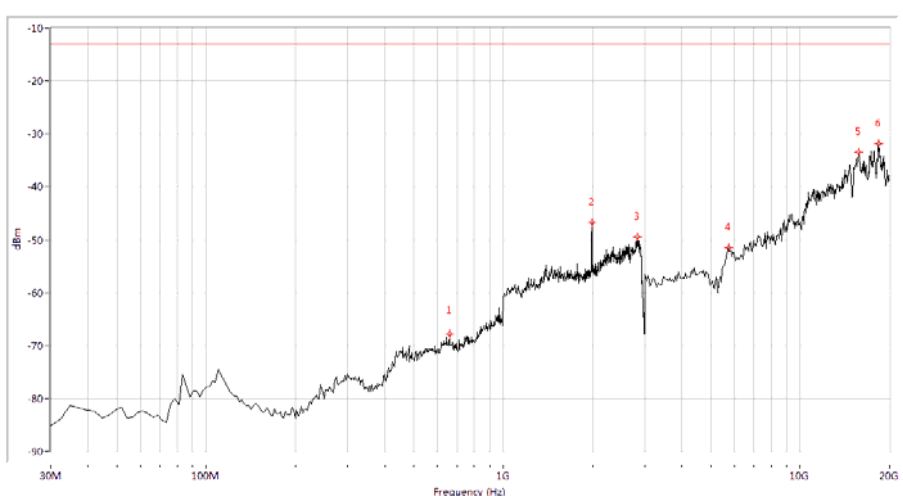
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
88.055	-69.59	-13.0	56.6	234.9	Horizontal	<u>PASS</u>
946.783	-63.96	-13.0	51.0	-0.0	Horizontal	<u>PASS</u>
2790.524	-50.10	-13.0	37.1	293.0	Horizontal	<u>PASS</u>
3593.516	-55.14	-13.0	42.1	306.8	Horizontal	<u>PASS</u>
9443.890	-44.91	-13.0	31.9	4.9	Horizontal	<u>PASS</u>
18346.633	-32.26	-13.0	19.3	164.6	Horizontal	<u>PASS</u>

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



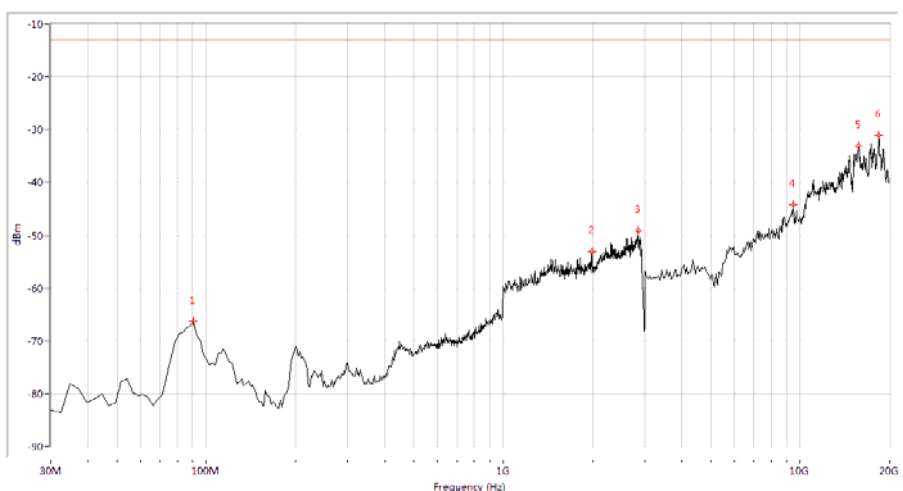
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
90.474	-66.21	-13.0	53.2	271.8	Vertical	<u>PASS</u>
920.175	-63.91	-13.0	50.9	41.0	Vertical	<u>PASS</u>
1957.606	-47.32	-13.0	34.3	213.0	Vertical	<u>PASS</u>
6603.491	-49.77	-13.0	36.8	116.6	Vertical	<u>PASS</u>
11478.803	-39.34	-13.0	26.3	255.6	Vertical	<u>PASS</u>
15760.599	-31.90	-13.0	18.9	271.6	Vertical	<u>PASS</u>

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



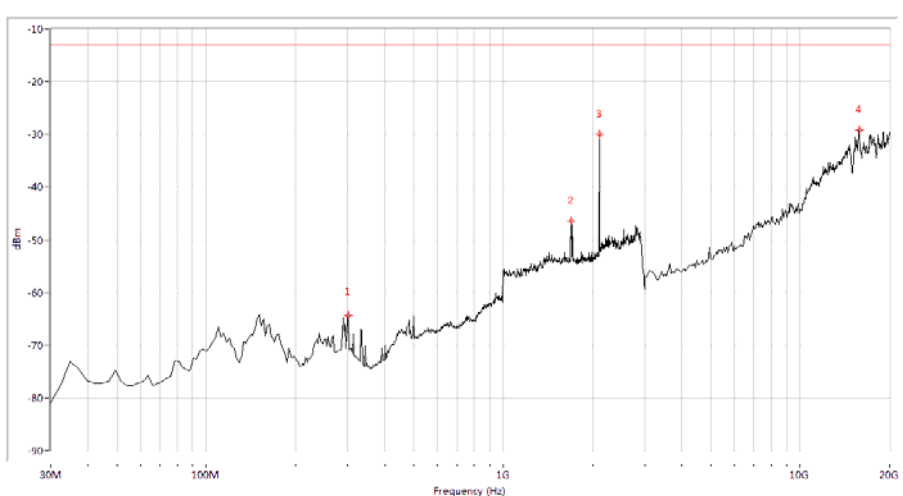
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
658.928	-67.82	-13.0	54.8	64.7	Horizontal	<u>PASS</u>
1987.531	-46.79	-13.0	33.8	51.6	Horizontal	<u>PASS</u>
2825.436	-49.46	-13.0	36.5	169.5	Horizontal	<u>PASS</u>
5755.611	-51.51	-13.0	38.5	354.8	Horizontal	<u>PASS</u>
15760.599	-33.51	-13.0	20.5	208.7	Horizontal	<u>PASS</u>
18389.027	-31.88	-13.0	18.9	69.4	Horizontal	<u>PASS</u>

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



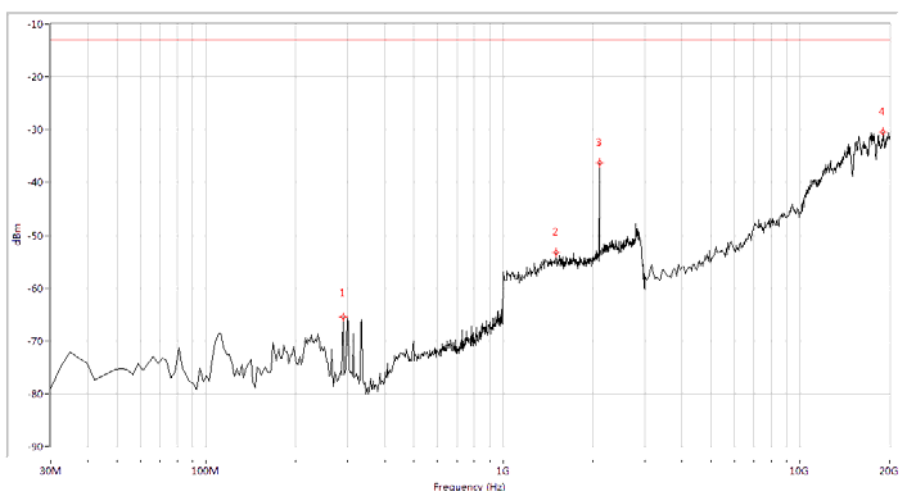
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
90.474	-66.30	-13.0	53.3	269.8	Vertical	<u>PASS</u>
1987.531	-53.07	-13.0	40.1	35.4	Vertical	<u>PASS</u>
2840.399	-49.20	-13.0	36.2	326.1	Vertical	<u>PASS</u>
9486.284	-44.29	-13.0	31.3	266.9	Vertical	<u>PASS</u>
15760.599	-33.07	-13.0	20.1	359.5	Vertical	<u>PASS</u>
18431.421	-31.07	-13.0	18.1	153.3	Vertical	<u>PASS</u>

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



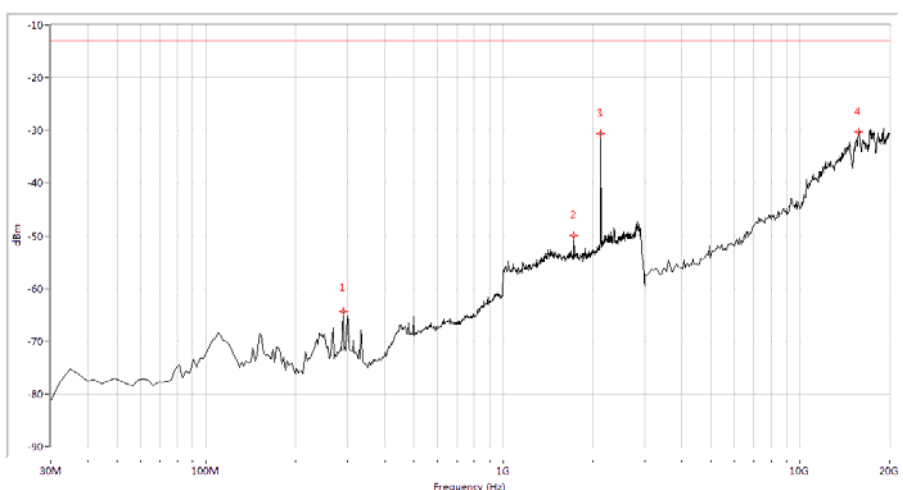
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
300.923	-64.37	-13.0	51.4	325.9	Horizontal	<u>PASS</u>
1693.267	-46.38	-13.0	33.4	157.4	Horizontal	<u>PASS</u>
2107.232	-29.96	-13.0	17.0	111.0	Horizontal	<u>PASS</u>
15802.993	-29.19	-13.0	16.2	86.5	Horizontal	<u>PASS</u>

(Plot M.1: WCDMA 1700MHz Channel = 1312, Test Antenna Horizontal)



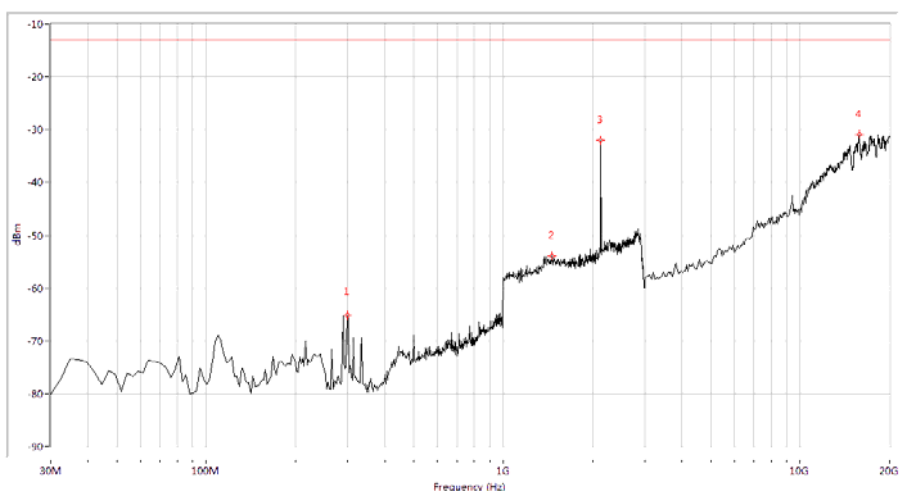
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
288.828	-65.37	-13.0	52.4	28.4	Vertical	<u>PASS</u>
1508.728	-53.25	-13.0	40.3	305.6	Vertical	<u>PASS</u>
2112.219	-36.27	-13.0	23.3	97.5	Vertical	<u>PASS</u>
19024.938	-30.39	-13.0	17.4	145.7	Vertical	<u>PASS</u>

(Plot M.2: WCDMA 1700MHz Channel = 1312, Test Antenna Vertical)



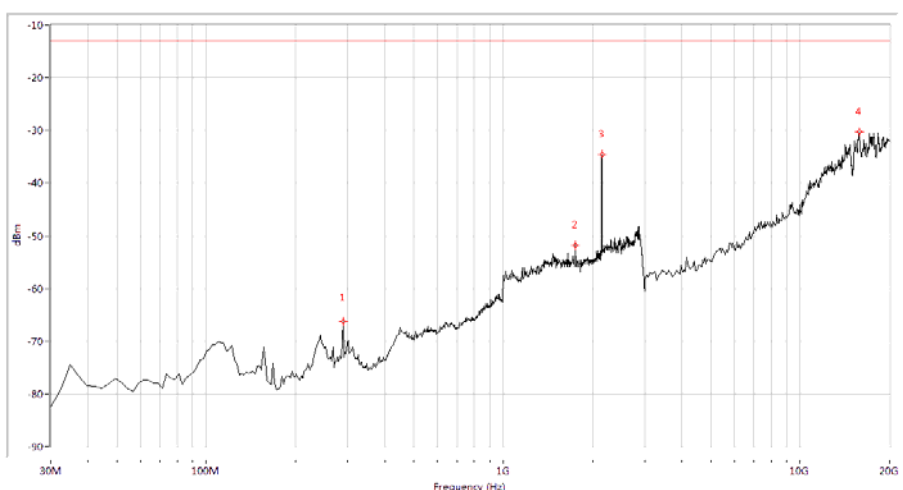
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
288.828	-64.34	-13.0	51.3	64.8	Horizontal	<u>PASS</u>
1733.167	-49.91	-13.0	36.9	196.4	Horizontal	<u>PASS</u>
2132.170	-30.59	-13.0	17.6	265.4	Horizontal	<u>PASS</u>
15760.599	-30.34	-13.0	17.3	10.7	Horizontal	<u>PASS</u>

(Plot M.3: WCDMA 1700MHz Channel = 1412, Test Antenna Horizontal)



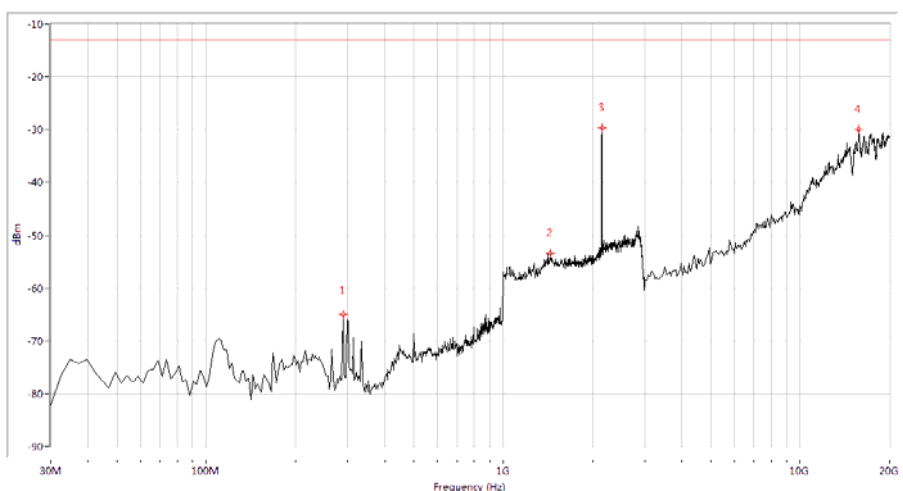
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
298.504	-65.17	-13.0	52.2	349.5	Vertical	<u>PASS</u>
1463.840	-53.81	-13.0	40.8	156.4	Vertical	<u>PASS</u>
2132.170	-32.10	-13.0	19.1	0.2	Vertical	<u>PASS</u>
15802.993	-30.98	-13.0	18.0	85.1	Vertical	<u>PASS</u>

(Plot M.4: WCDMA 1700MHz Channel = 1412, Test Antenna Vertical)



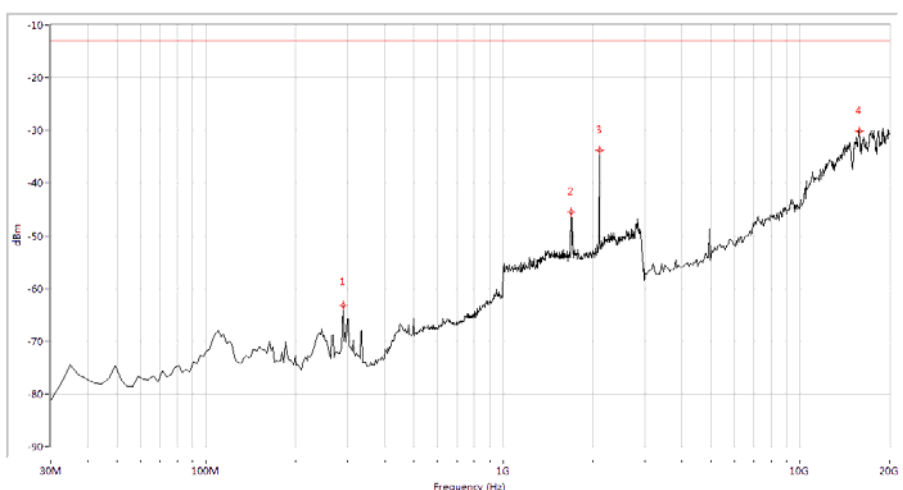
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
288.828	-66.25	-13.0	53.3	64.5	Horizontal	<u>PASS</u>
1748.130	-51.74	-13.0	38.7	159.7	Horizontal	<u>PASS</u>
2152.120	-34.48	-13.0	21.5	84.3	Horizontal	<u>PASS</u>
15802.993	-30.34	-13.0	17.3	318.6	Horizontal	<u>PASS</u>

(Plot M.5: WCDMA 1700MHz Channel = 1513, Test Antenna Horizontal)



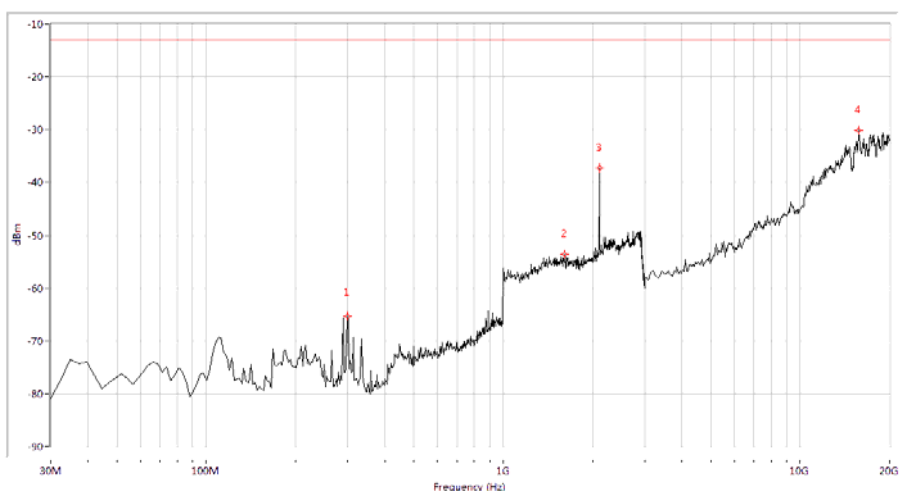
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
288.828	-64.92	-13.0	51.9	46.5	Vertical	<u>PASS</u>
1443.890	-53.38	-13.0	40.4	163.9	Vertical	<u>PASS</u>
2152.120	-29.65	-13.0	16.7	84.6	Vertical	<u>PASS</u>
15760.599	-30.02	-13.0	17.0	68.1	Vertical	<u>PASS</u>

(Plot M.6: WCDMA 1700MHz Channel = 1513, Test Antenna Vertical)



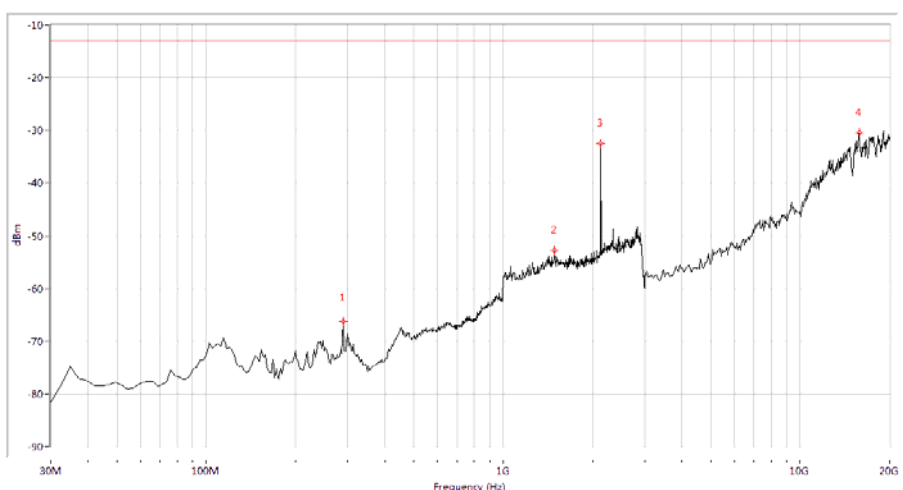
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
288.828	-63.30	-13.0	50.3	69.4	Horizontal	<u>PASS</u>
1693.267	-45.42	-13.0	32.4	212.7	Horizontal	<u>PASS</u>
2107.232	-33.73	-13.0	20.7	20.8	Horizontal	<u>PASS</u>
15802.993	-30.17	-13.0	17.2	197.6	Horizontal	<u>PASS</u>

(Plot N.1: HSDPA 1700MHz Channel = 1312, Test Antenna Horizontal)



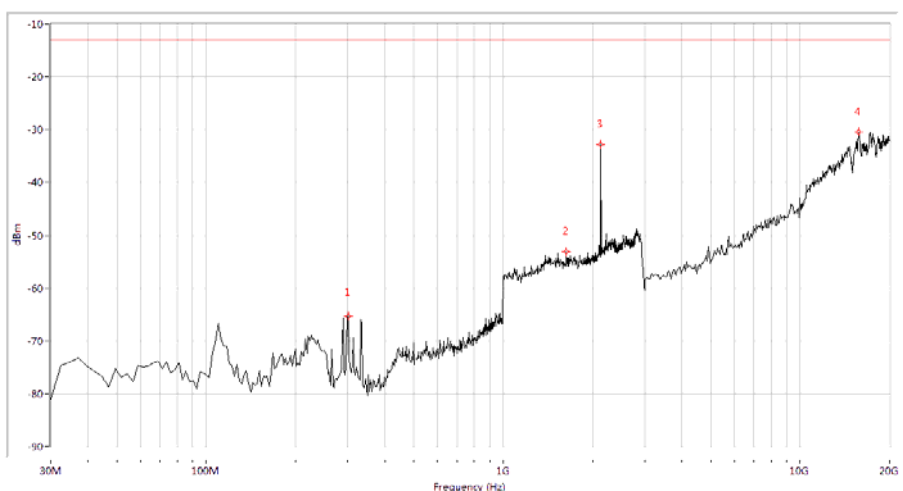
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
298.504	-65.29	-13.0	52.3	349.5	Vertical	<u>PASS</u>
1603.491	-53.51	-13.0	40.5	0.8	Vertical	<u>PASS</u>
2112.219	-37.32	-13.0	24.3	263.8	Vertical	<u>PASS</u>
15760.599	-30.13	-13.0	17.1	22.4	Vertical	<u>PASS</u>

(Plot N.2: HSDPA 1700MHz Channel = 1312, Test Antenna Vertical)



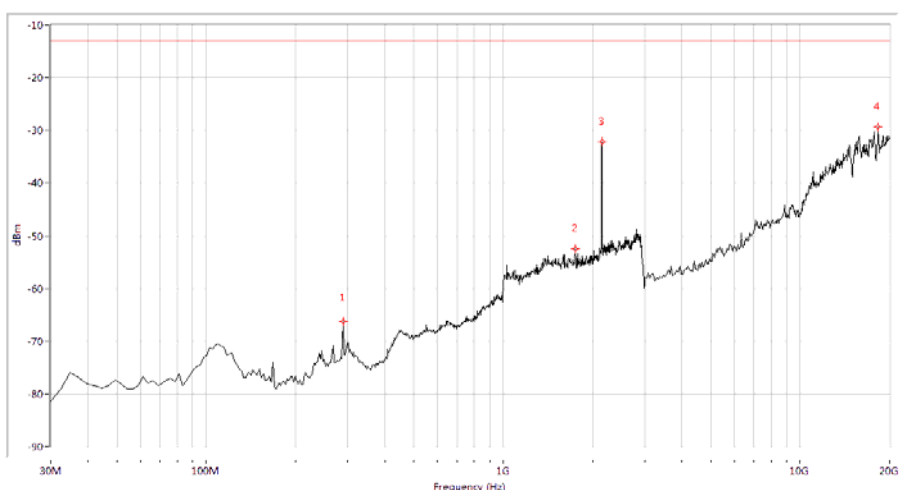
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
288.828	-66.28	-13.0	53.3	64.9	Horizontal	<u>PASS</u>
1488.778	-52.78	-13.0	39.8	156.3	Horizontal	<u>PASS</u>
2127.182	-32.54	-13.0	19.5	35.7	Horizontal	<u>PASS</u>
15802.993	-30.41	-13.0	17.4	222.5	Horizontal	<u>PASS</u>

(Plot N.3: HSDPA 1700MHz Channel = 1412, Test Antenna Horizontal)



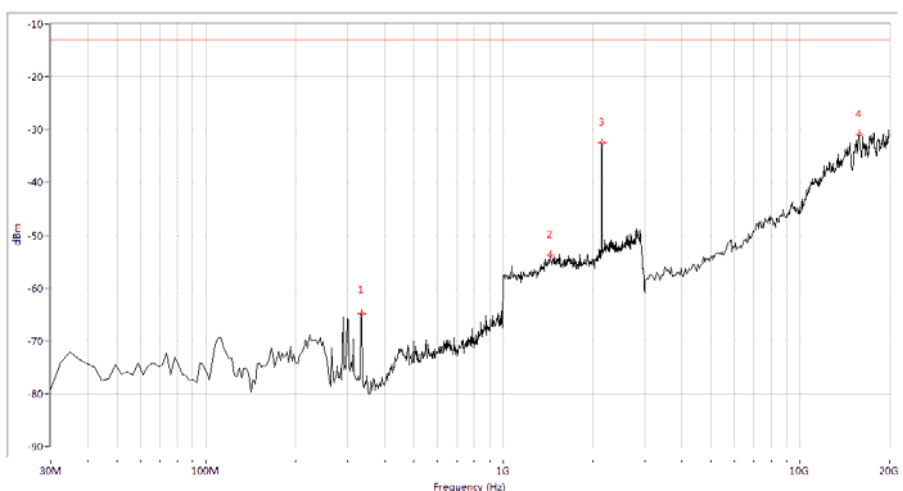
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
300.923	-65.25	-13.0	52.2	94.7	Vertical	<u>PASS</u>
1633.416	-53.16	-13.0	40.2	65.1	Vertical	<u>PASS</u>
2132.170	-32.88	-13.0	19.9	254.9	Vertical	<u>PASS</u>
15760.599	-30.36	-13.0	17.4	131.3	Vertical	<u>PASS</u>

(Plot N.4: HSDAP 1700MHz Channel = 1412, Test Antenna Vertical)



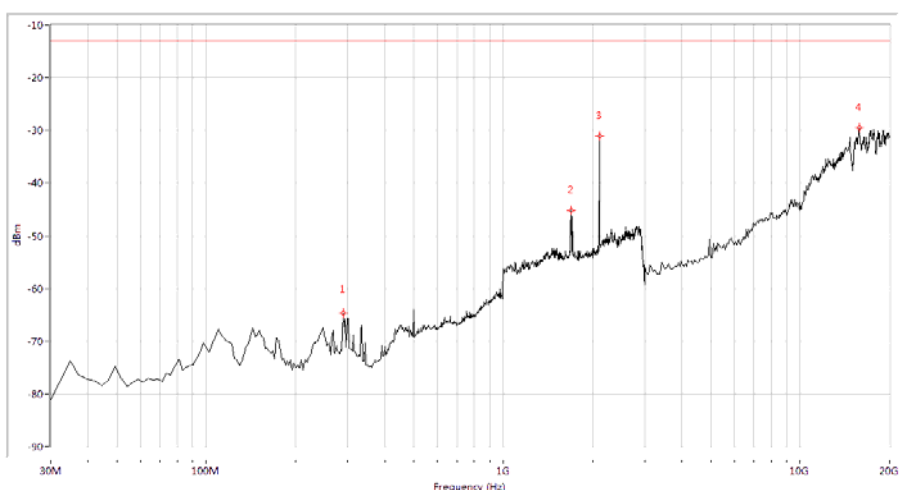
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
288.828	-66.23	-13.0	53.2	321.5	Horizontal	<u>PASS</u>
1748.130	-52.48	-13.0	39.5	167.4	Horizontal	<u>PASS</u>
2152.120	-32.11	-13.0	19.1	52.8	Horizontal	<u>PASS</u>
18304.239	-29.32	-13.0	16.3	64.7	Horizontal	<u>PASS</u>

(Plot N.5: HSDPA 1700MHz Channel = 1513, Test Antenna Horizontal)



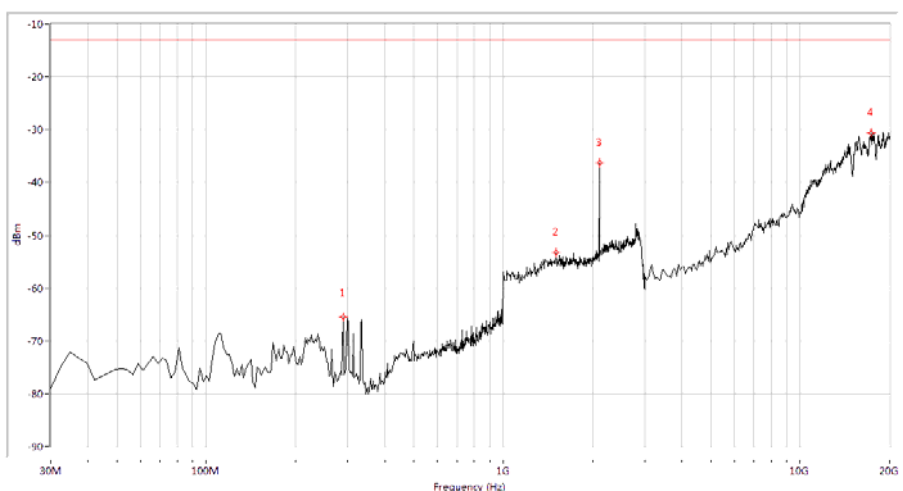
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
334.788	-64.82	-13.0	51.8	349.7	Vertical	<u>PASS</u>
1438.903	-53.72	-13.0	40.7	65.6	Vertical	<u>PASS</u>
2152.120	-32.48	-13.0	19.5	284.7	Vertical	<u>PASS</u>
15802.993	-30.90	-13.0	17.9	305.4	Vertical	<u>PASS</u>

(Plot N.6: HSDPA 1700MHz Channel = 1513, Test Antenna Vertical)



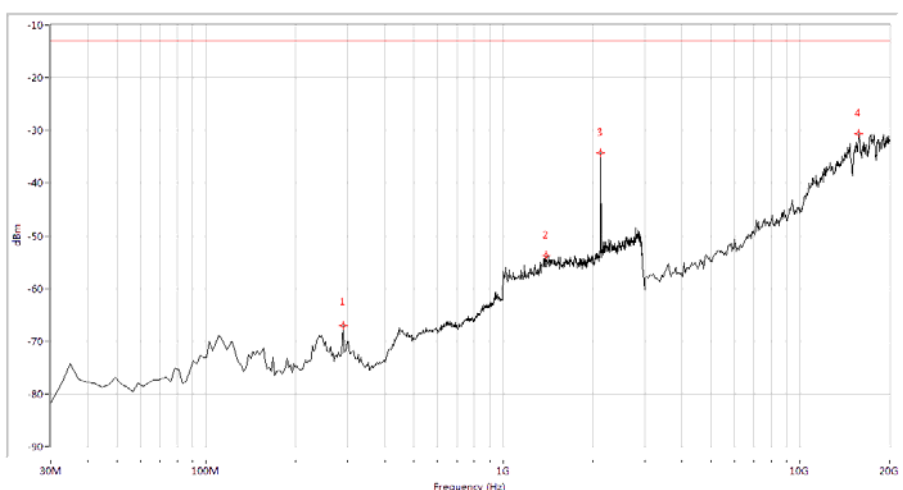
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
288.828	-64.69	-13.0	51.7	269.4	Horizontal	<u>PASS</u>
1693.267	-45.23	-13.0	32.2	0.2	Horizontal	<u>PASS</u>
2112.219	-31.09	-13.0	18.1	360.0	Horizontal	<u>PASS</u>
15802.993	-29.51	-13.0	16.5	251.7	Horizontal	<u>PASS</u>

(Plot O.1: HSUPA 1700MHz Channel = 1312, Test Antenna Horizontal)



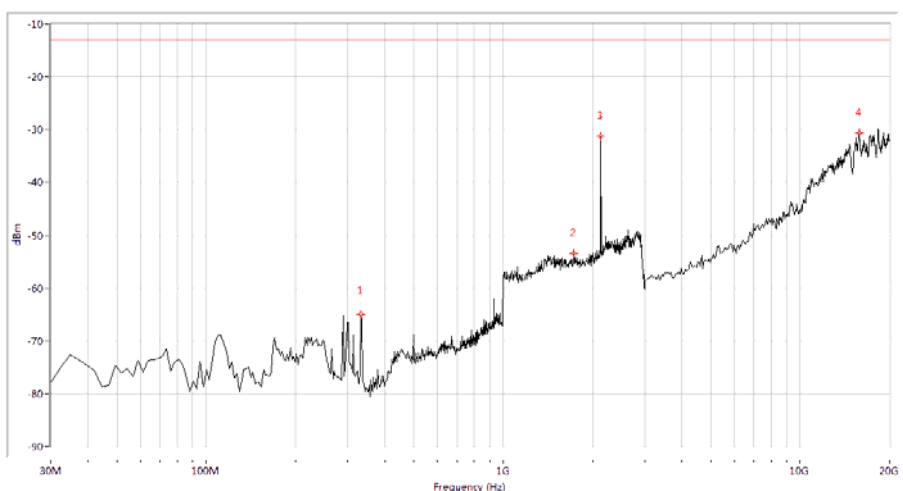
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
288.828	-65.37	-13.0	52.4	69.4	Vertical	<u>PASS</u>
1508.728	-53.25	-13.0	40.3	96.1	Vertical	<u>PASS</u>
2112.219	-36.27	-13.0	23.3	123.5	Vertical	<u>PASS</u>
17286.783	-30.64	-13.0	17.6	0.7	Vertical	<u>PASS</u>

(Plot O.2: HSUPA 1700MHz Channel = 1312, Test Antenna Vertical)



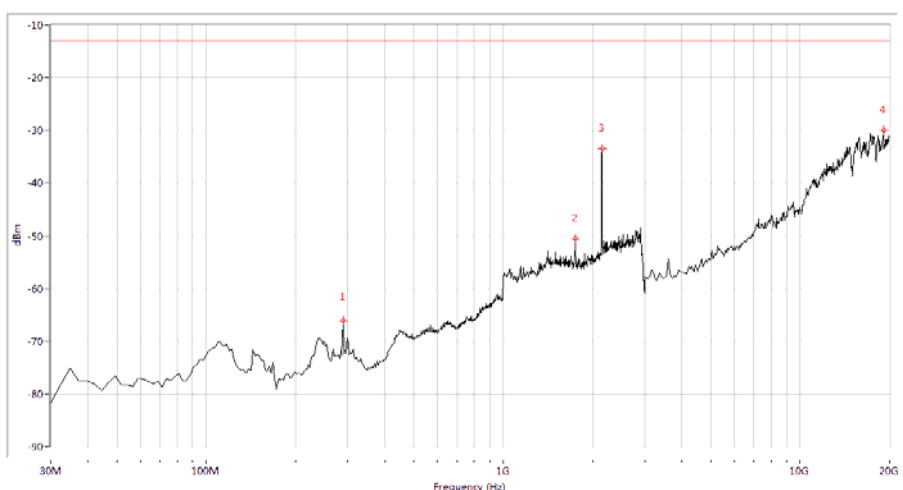
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
288.828	-67.05	-13.0	54.0	168.4	Horizontal	<u>PASS</u>
1394.015	-53.77	-13.0	40.8	95.4	Horizontal	<u>PASS</u>
2132.170	-34.31	-13.0	21.3	65.8	Horizontal	<u>PASS</u>
15760.599	-30.52	-13.0	17.5	132.5	Horizontal	<u>PASS</u>

(Plot O.3: HSUPA 1700MHz Channel = 1412, Test Antenna Horizontal)



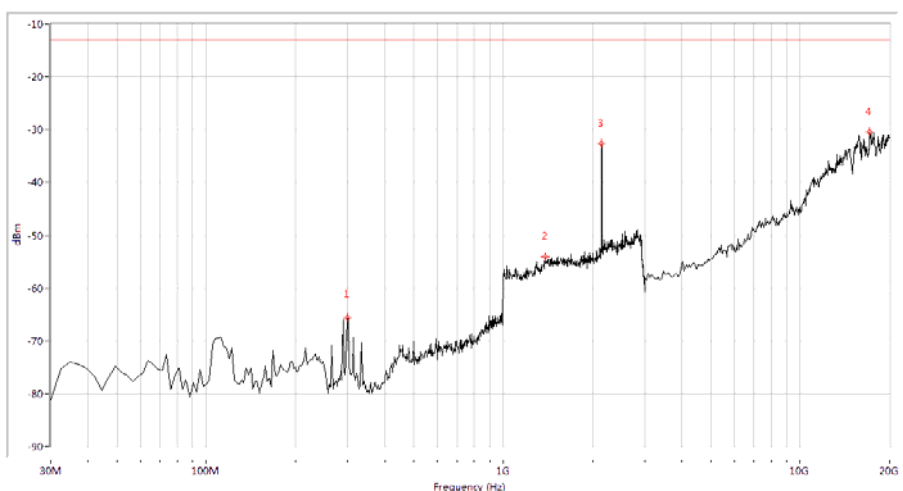
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
332.369	-64.91	-13.0	51.9	360.0	Vertical	<u>PASS</u>
1733.167	-53.47	-13.0	40.5	0.7	Vertical	<u>PASS</u>
2132.170	-31.30	-13.0	18.3	58.6	Vertical	<u>PASS</u>
15802.993	-30.53	-13.0	17.5	97.4	Vertical	<u>PASS</u>

(Plot O.4: HSUPA 1700MHz Channel =1412, Test Antenna Vertical)



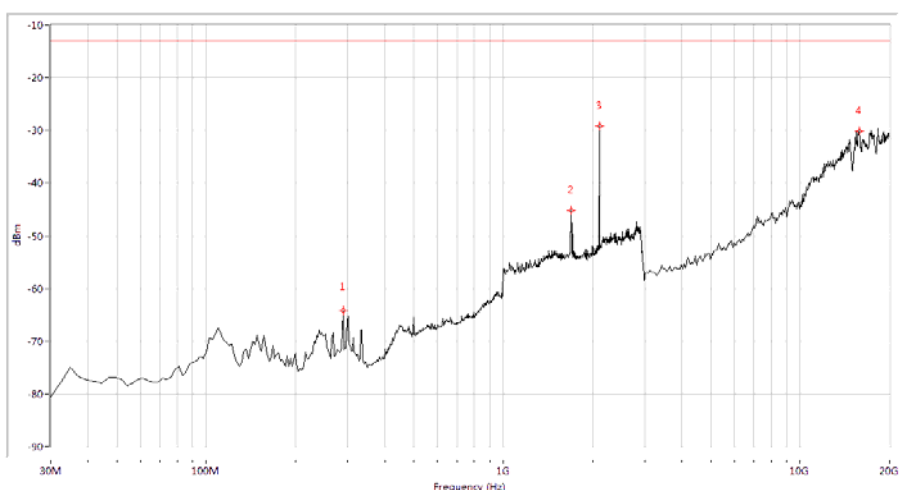
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
288.828	-66.12	-13.0	53.1	349.7	Horizontal	<u>PASS</u>
1748.130	-50.51	-13.0	37.5	106.8	Horizontal	<u>PASS</u>
2152.120	-33.39	-13.0	20.4	219.7	Horizontal	<u>PASS</u>
19109.726	-29.93	-13.0	16.9	0.0	Horizontal	<u>PASS</u>

(Plot O.5: HSUPA 1700MHz Channel = 1513, Test Antenna Horizontal)



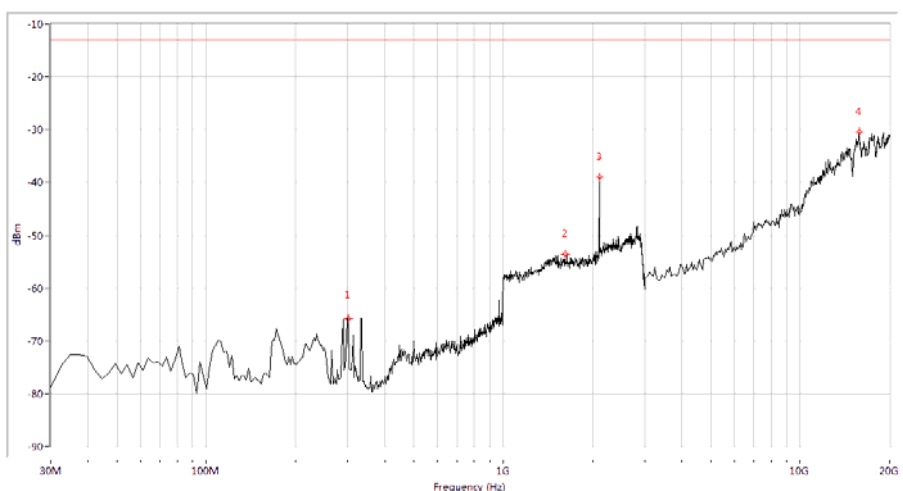
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
298.504	-65.62	-13.0	52.6	94.3	Vertical	<u>PASS</u>
1384.040	-54.04	-13.0	41.0	162.8	Vertical	<u>PASS</u>
2147.132	-32.68	-13.0	19.7	252.4	Vertical	<u>PASS</u>
17117.207	-30.46	-13.0	17.5	87.6	Vertical	<u>PASS</u>

(Plot O.6: HSUPA 1700MHz Channel = 1513, Test Antenna Vertical)



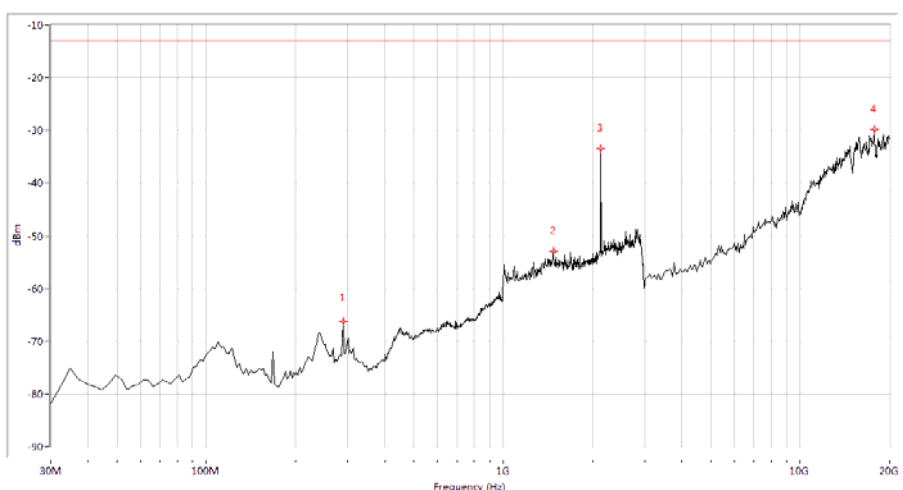
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
288.828	-64.24	-13.0	51.2	349.5	Horizontal	<u>PASS</u>
1698.254	-45.14	-13.0	32.1	25.1	Horizontal	<u>PASS</u>
2112.219	-29.18	-13.0	16.2	97.6	Horizontal	<u>PASS</u>
15845.387	-30.06	-13.0	17.1	22.2	Horizontal	<u>PASS</u>

(Plot P.1: HSPA+ 1700 MHz Channel = 1312, Test Antenna Horizontal)



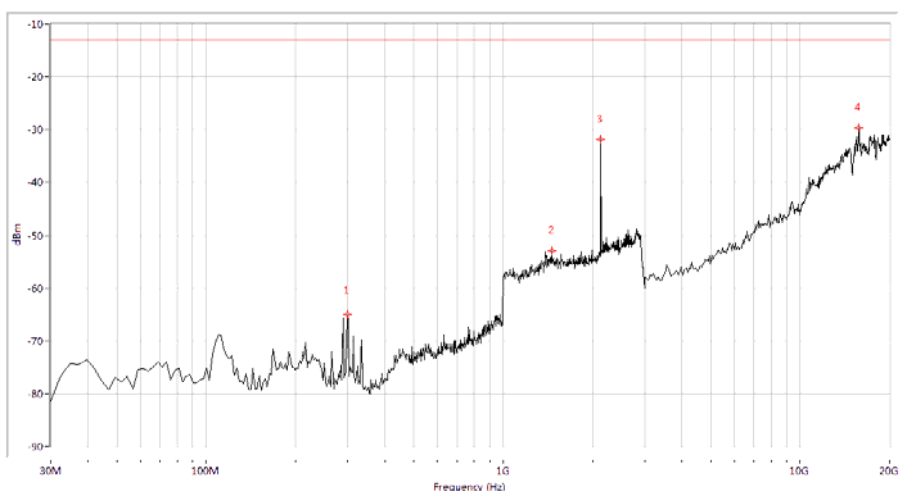
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
300.923	-65.76	-13.0	52.8	319.5	Vertical	<u>PASS</u>
1618.454	-53.62	-13.0	40.6	75.4	Vertical	<u>PASS</u>
2112.219	-39.05	-13.0	26.1	269.8	Vertical	<u>PASS</u>
15802.993	-30.48	-13.0	17.5	333.5	Vertical	<u>PASS</u>

(Plot P.2: HSPA+ 1700 MHz Channel = 1312, Test Antenna Vertical)



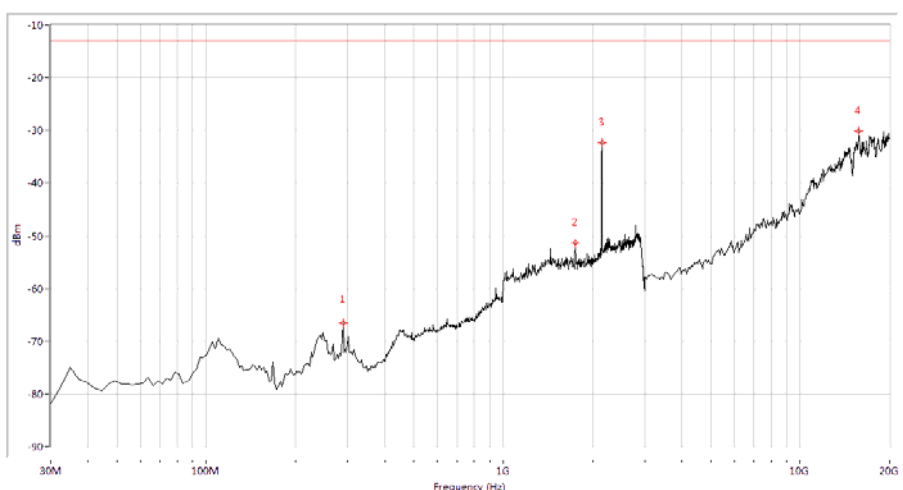
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
288.828	-66.25	-13.0	53.3	63.5	Horizontal	<u>PASS</u>
1473.815	-52.89	-13.0	39.9	95.4	Horizontal	<u>PASS</u>
2132.170	-33.46	-13.0	20.5	159.9	Horizontal	<u>PASS</u>
17795.511	-29.87	-13.0	16.9	65.7	Horizontal	<u>PASS</u>

(Plot P.3: HSPA+ 1700 MHz Channel = 1412, Test Antenna Horizontal)



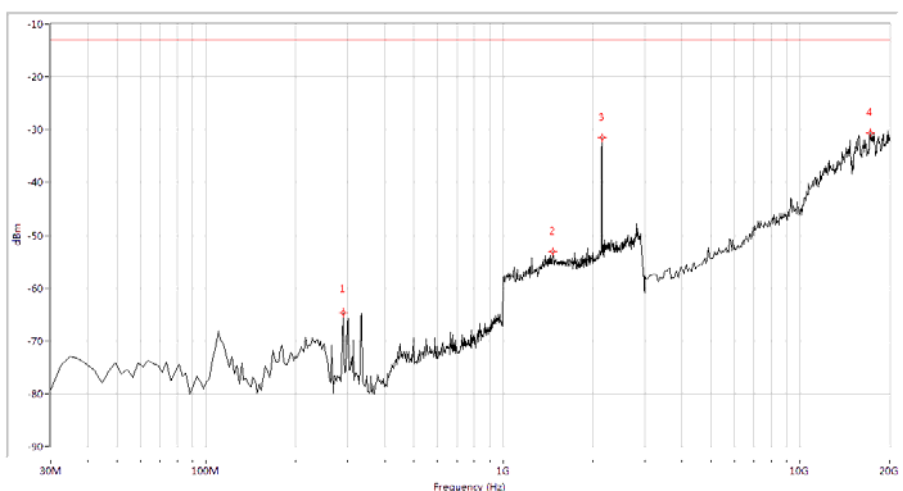
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
298.504	-64.92	-13.0	51.9	345.5	Vertical	<u>PASS</u>
1458.853	-52.89	-13.0	39.9	55.7	Vertical	<u>PASS</u>
2132.170	-31.89	-13.0	18.9	163.9	Vertical	<u>PASS</u>
15760.599	-29.68	-13.0	16.7	65.1	Vertical	<u>PASS</u>

(Plot P.4: HSPA+ 1700 MHz Channel = 1412, Test Antenna Vertical)



Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
288.828	-66.55	-13.0	53.5	64.7	Horizontal	<u>PASS</u>
1753.117	-51.28	-13.0	38.3	198.4	Horizontal	<u>PASS</u>
2152.120	-32.27	-13.0	19.3	137.2	Horizontal	<u>PASS</u>
15760.599	-30.04	-13.0	17.0	299.8	Horizontal	<u>PASS</u>

(Plot P.5: HSPA+ 1700 MHz Channel = 1513, Test Antenna Horizontal)



Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
288.828	-64.63	-13.0	51.6	249.6	Vertical	<u>PASS</u>
1468.828	-53.06	-13.0	40.1	354.8	Vertical	<u>PASS</u>
2152.120	-31.56	-13.0	18.6	10.1	Vertical	<u>PASS</u>
17201.995	-30.66	-13.0	17.7	208.5	Vertical	<u>PASS</u>

(Plot P.6: HSPA+ 1700 MHz Channel = 1513, Test Antenna Vertical)

** END OF REPORT **