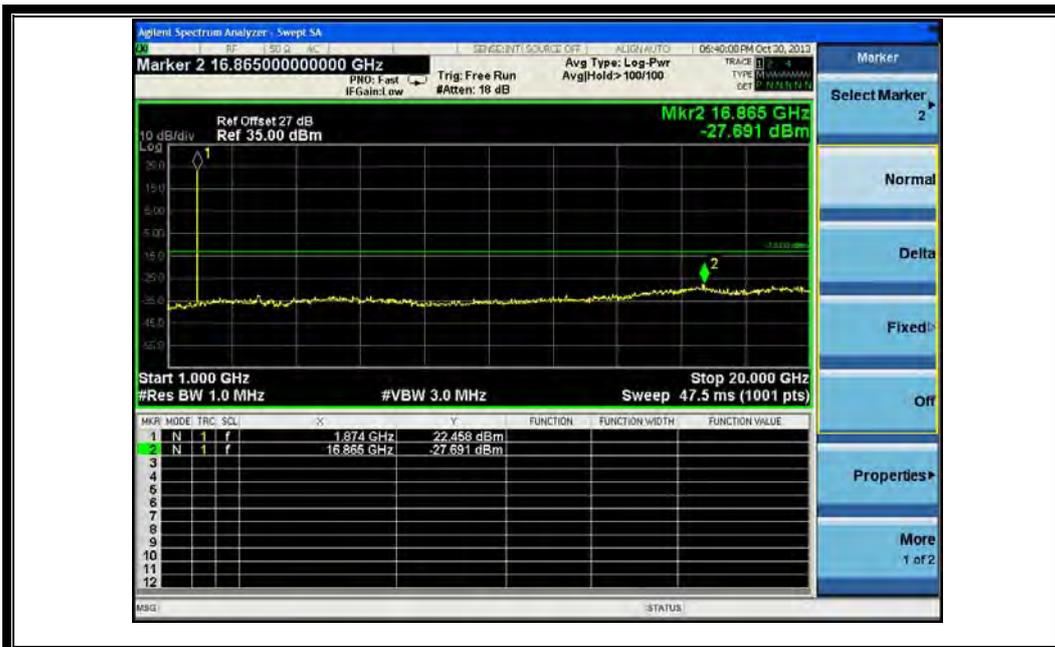
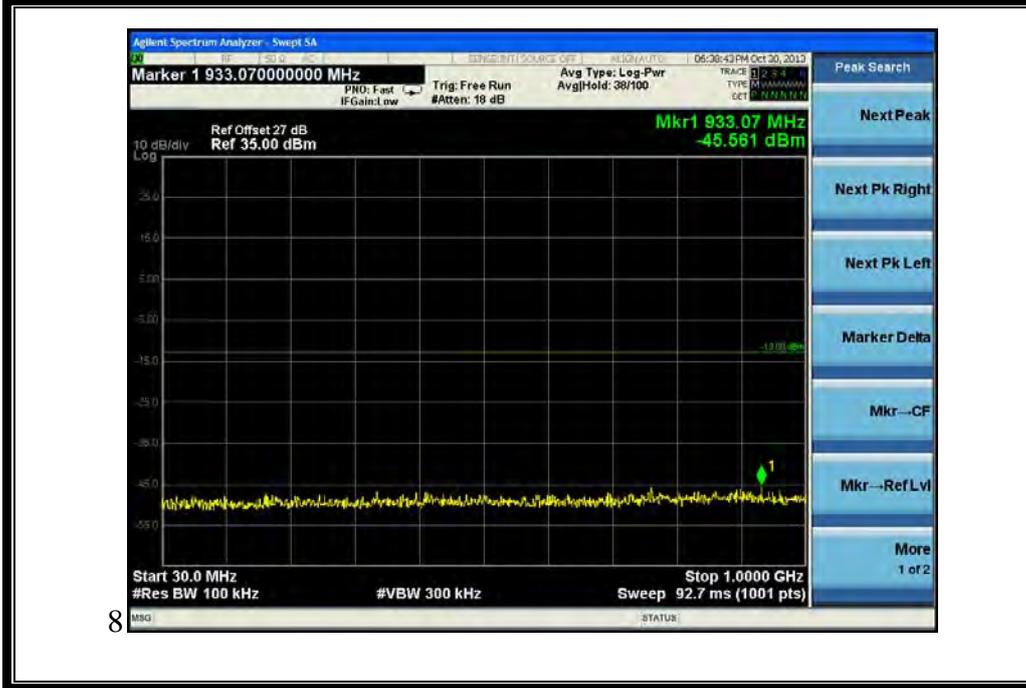


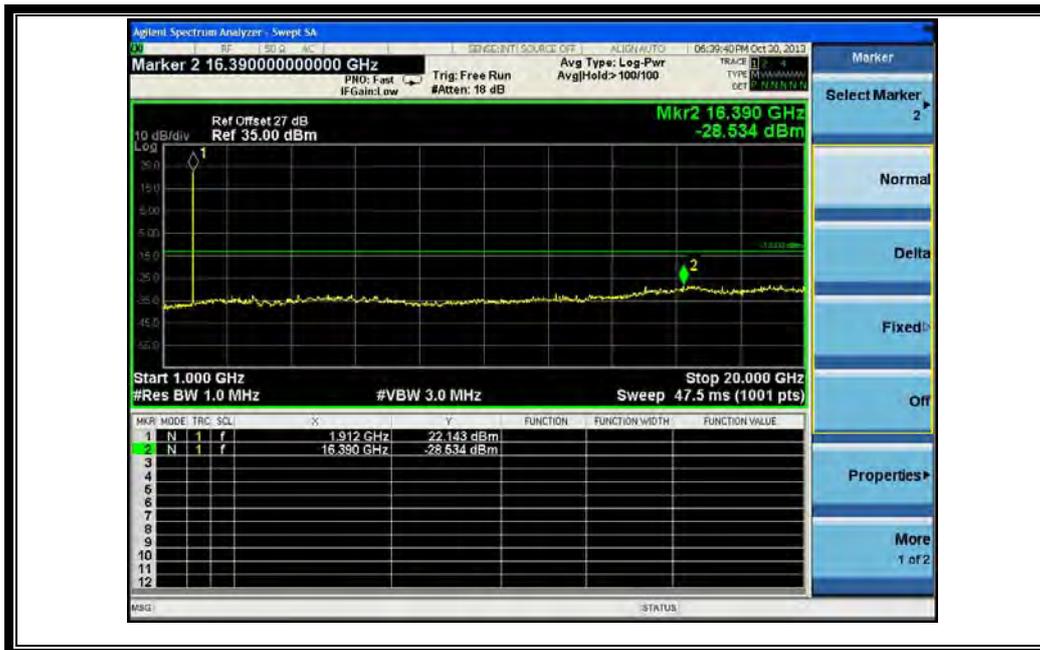
(Plot J 2: HSUPA1900MHz Channel = 9400, 30MHz to 1GHz)



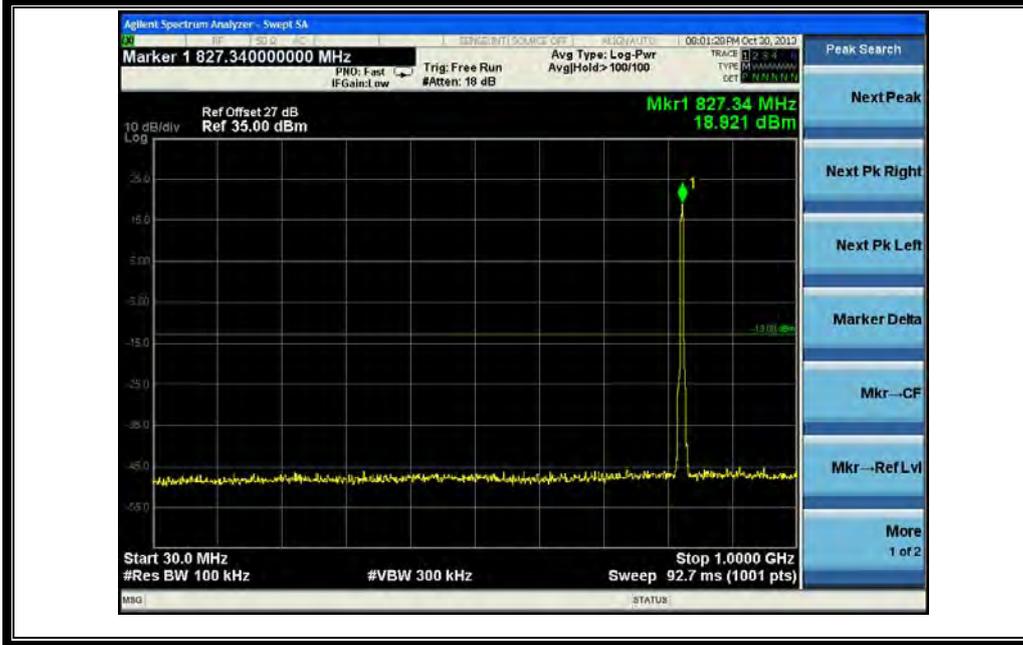
(Plot J2.1: HSUPA1900MHz Channel = 9400, 1GHz to 20GHz)



(Plot J 3: HSUPA1900MHz Channel = 9538, 30MHz to 1GHz)



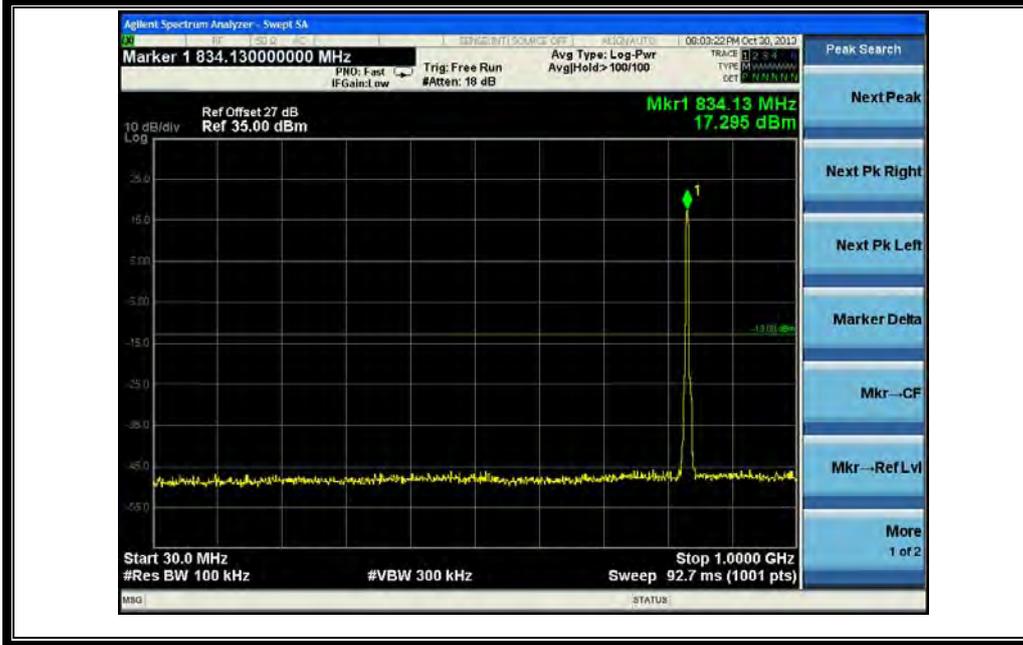
(Plot J3.1: HSUPA1900MHz Channel = 9538 1GHz to 20GHz)



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



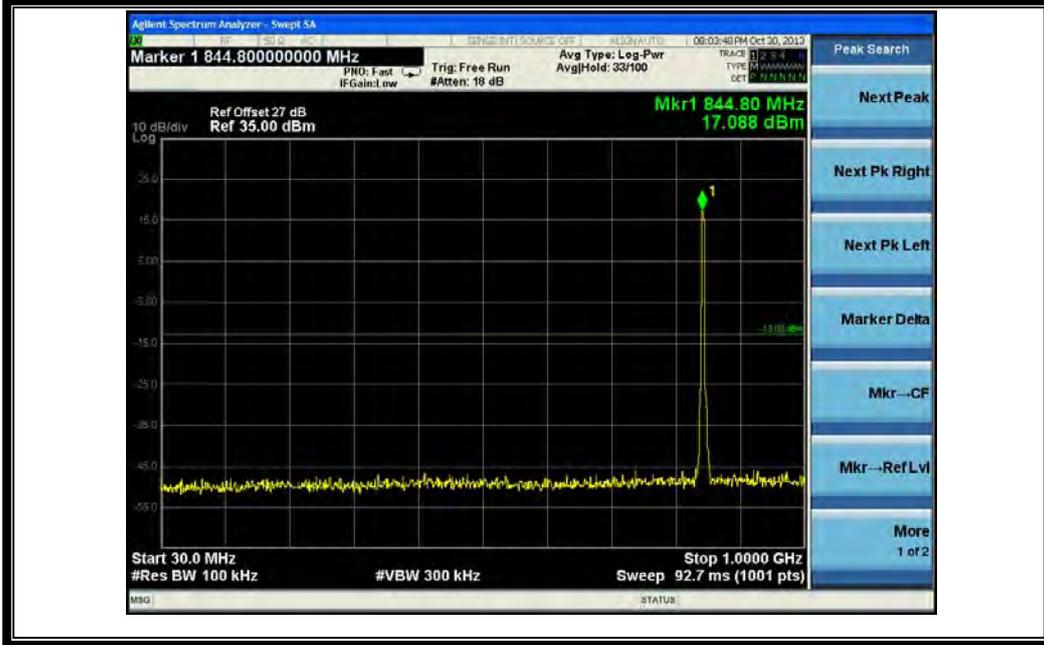
(Plot K1.1: HSPA+ 850MHz Channel = 4132, 1GHz to 9GHz)



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



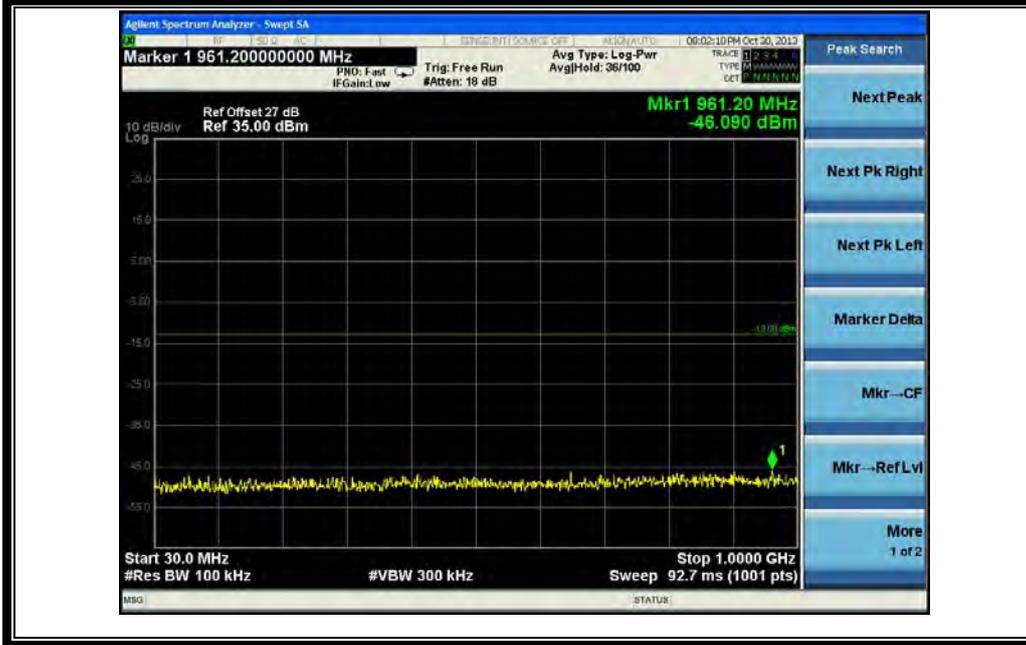
(Plot K2.1: HSPA+ 850MHz Channel = 4175, 1GHz to 9GHz)



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



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



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



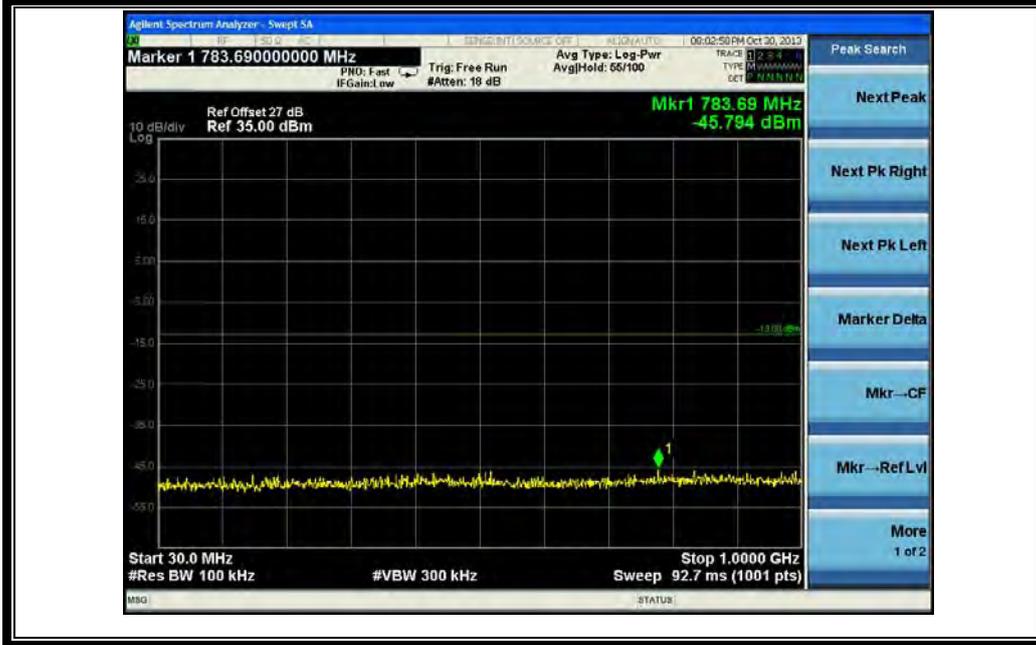
(Plot L1.1: HSPA+1900MHz Channel = 9262, 1GHz to 20GHz)



(Plot L 2: HSPA+1900MHz Channel = 9400, 30MHz to 1GHz)



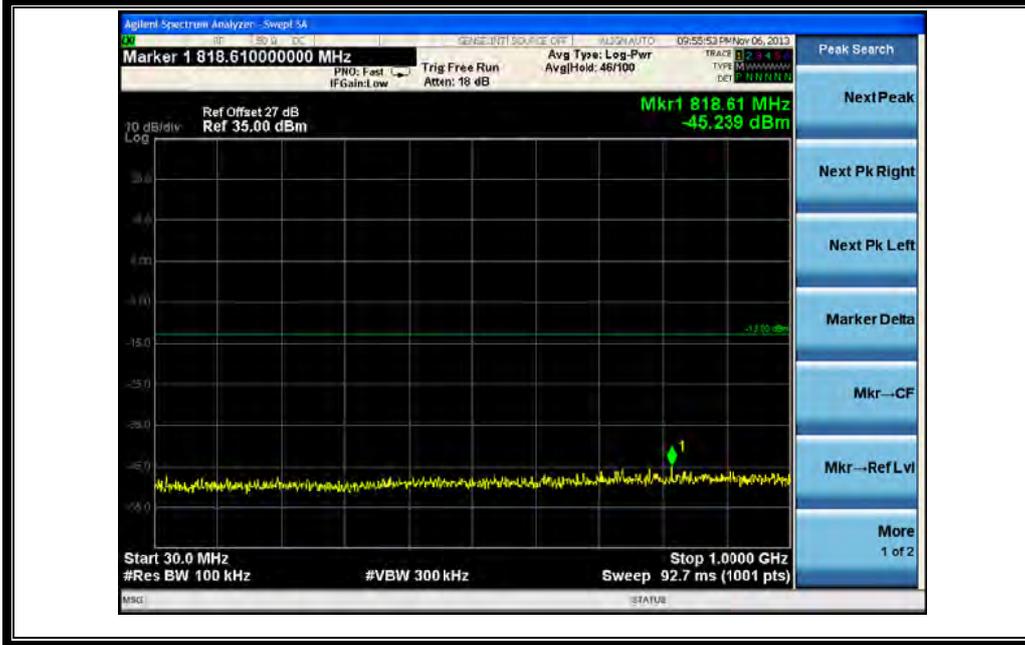
(Plot L2.1: HSPA+1900MHz Channel = 9400, 1GHz to 20GHz)



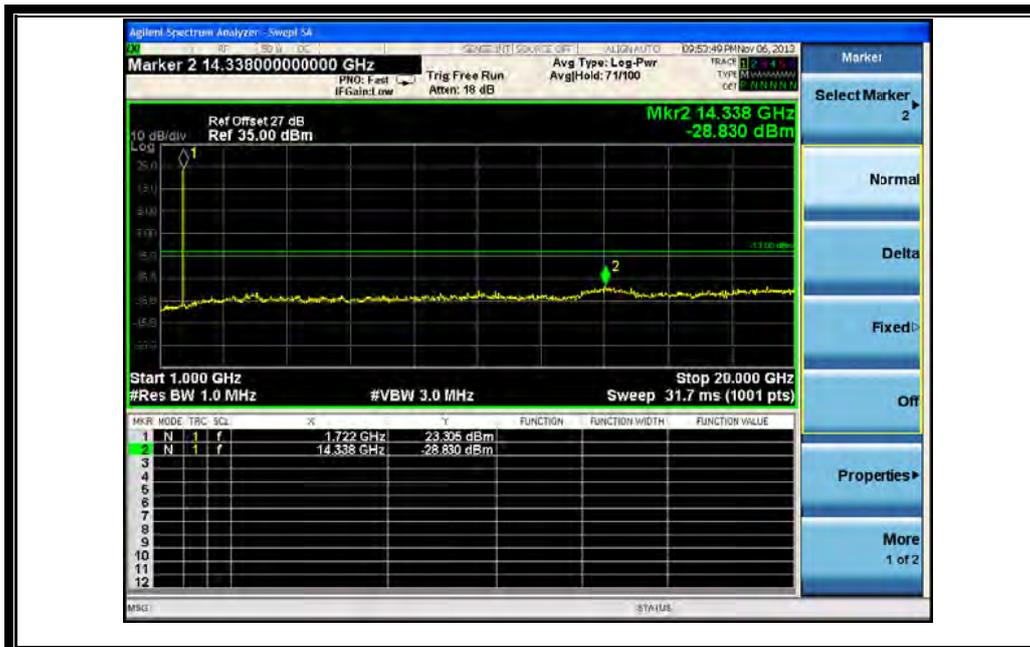
(Plot L 3: HSPA+1900MHz Channel = 9538, 30MHz to 1GHz)



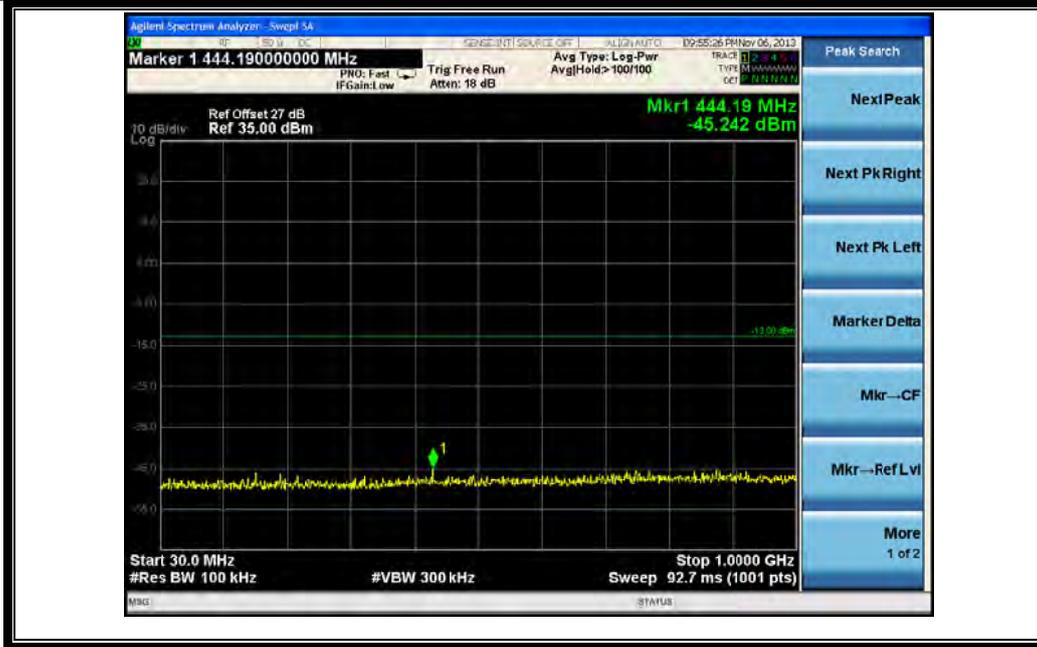
(Plot L3.1: HSPA+1900MHz Channel = 9538 1GHz to 20GHz)



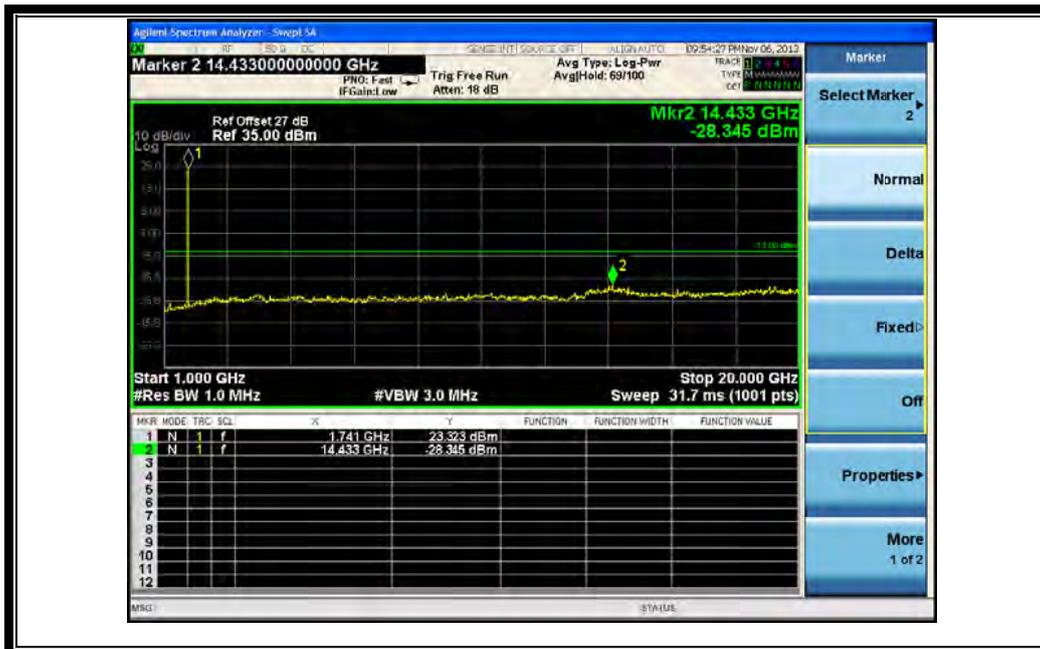
(Plot M 1: WCDMA1700MHz Channel = 1312, 30MHz to 1GHz)



(Plot M1.1: WCDMA 1700MHz Channel = 1312, 1GHz to 20GHz)



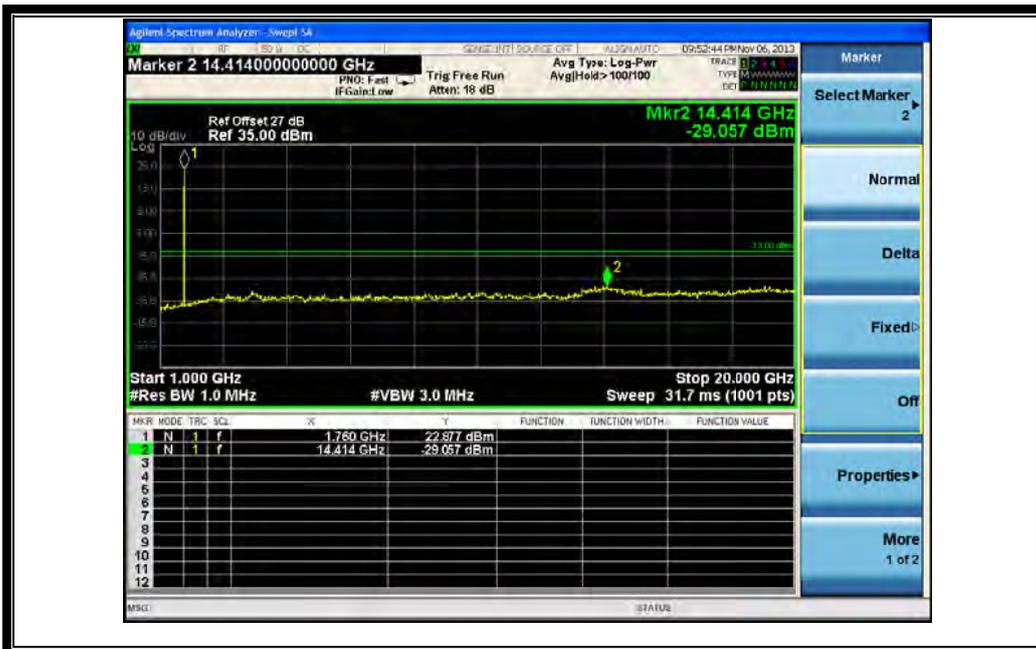
(Plot M 2: WCDMA 1700MHz Channel = 1412, 30MHz to 1GHz)



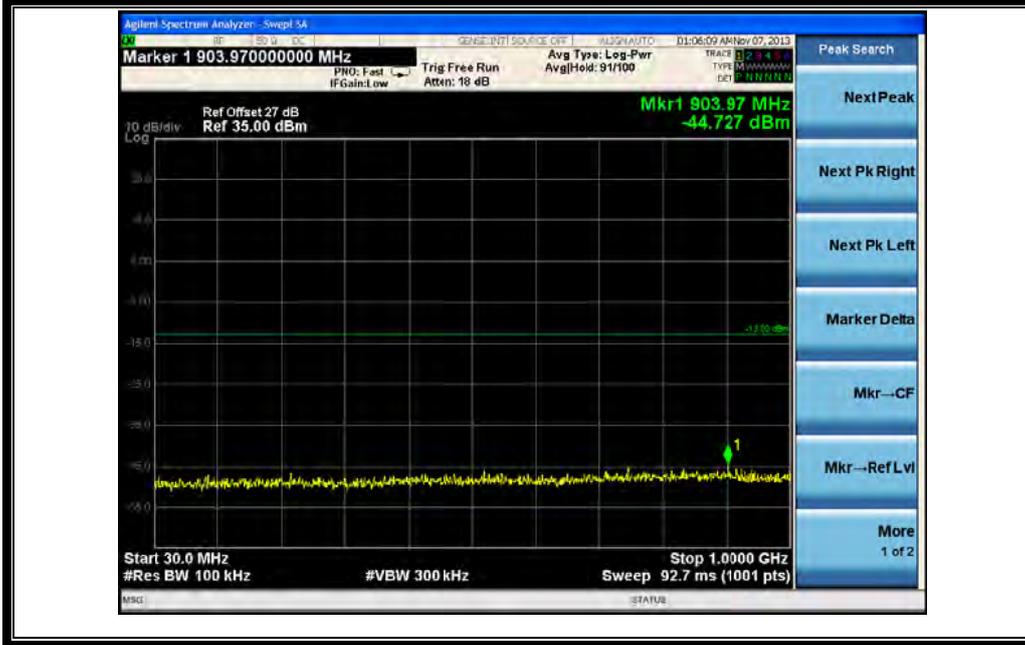
(Plot M2.1: WCDMA 1700MHz Channel = 1412, 1GHz to 20GHz)



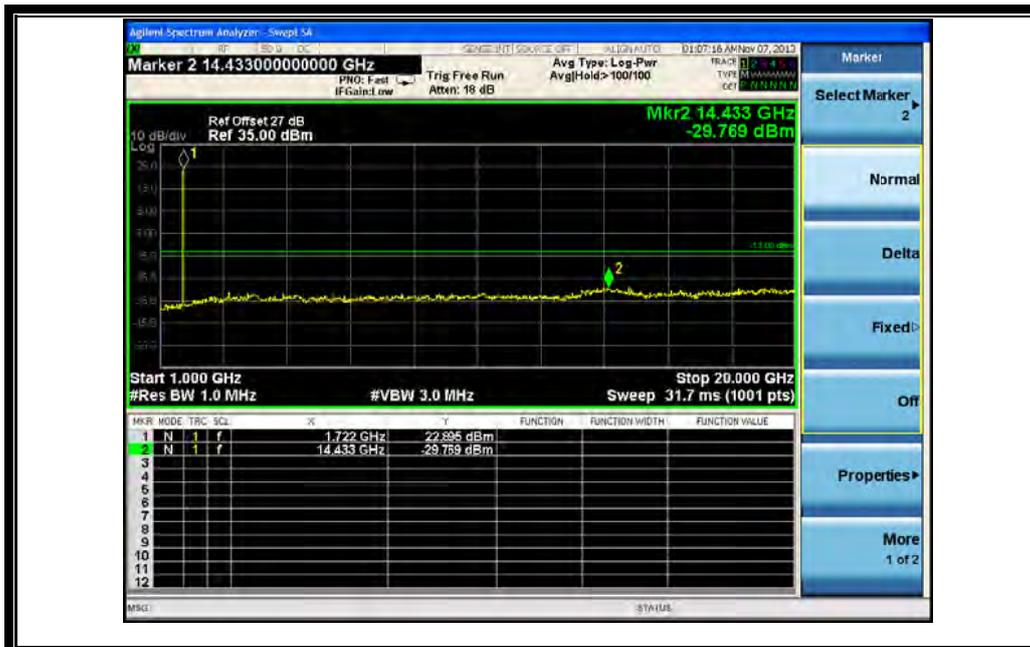
(Plot M 3: WCDMA 1700MHz Channel = 1513, 30MHz to 1GHz)



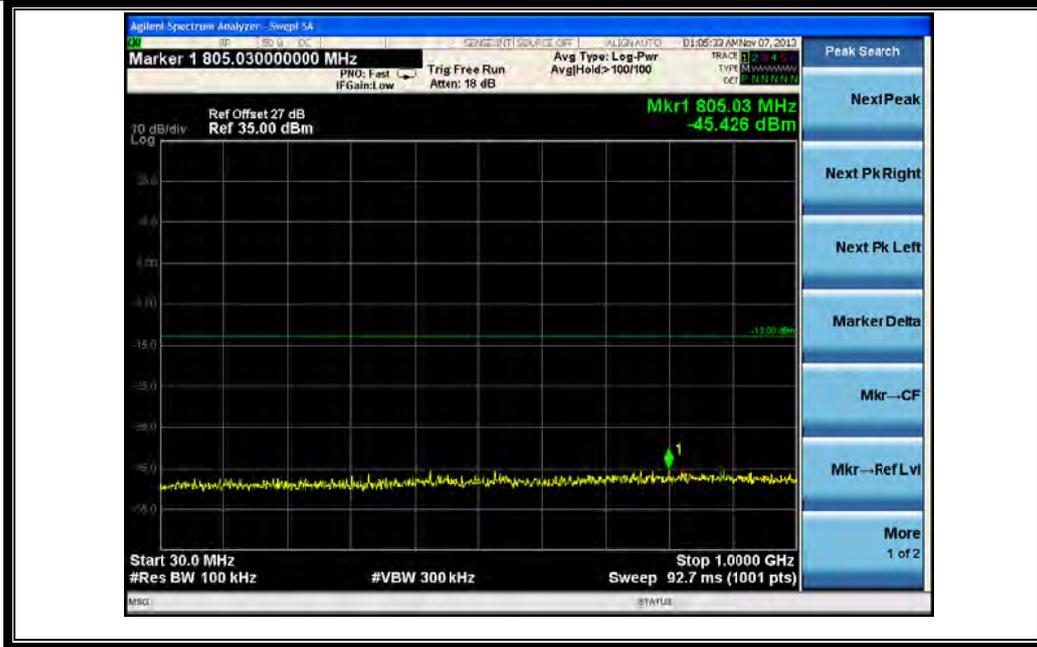
(Plot M3.1: WCDMA 1700MHz Channel = 1513 1GHz to 20GHz)



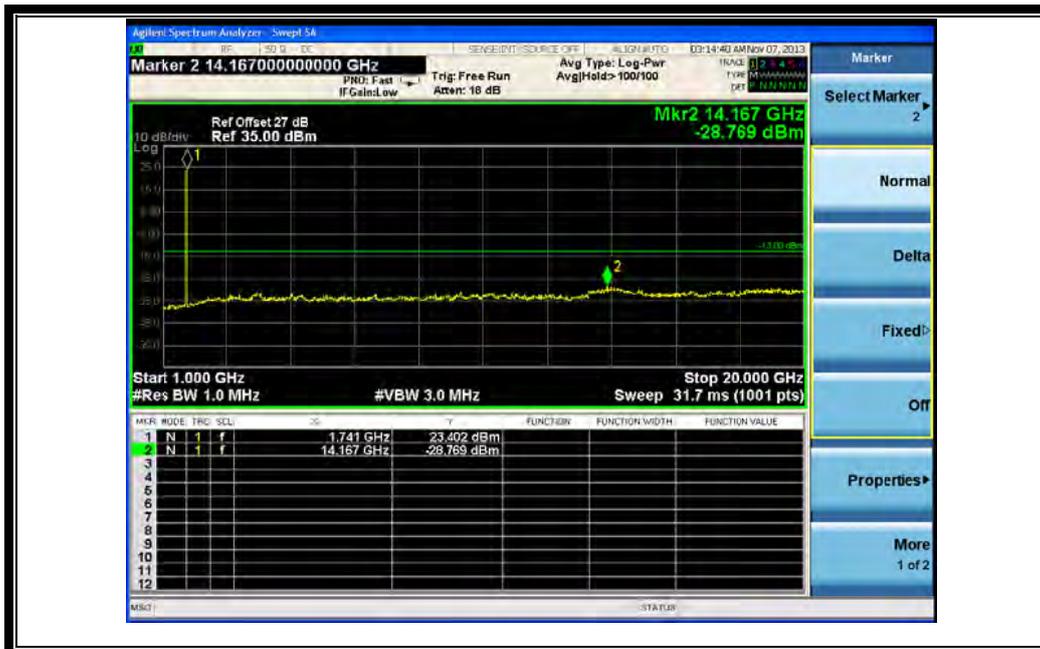
(Plot N 1: HSDPA 1700MHz Channel = 1312, 30MHz to 1GHz)



(Plot N1.1: HSDPA 1700MHz Channel = 1312, 1GHz to 20GHz)



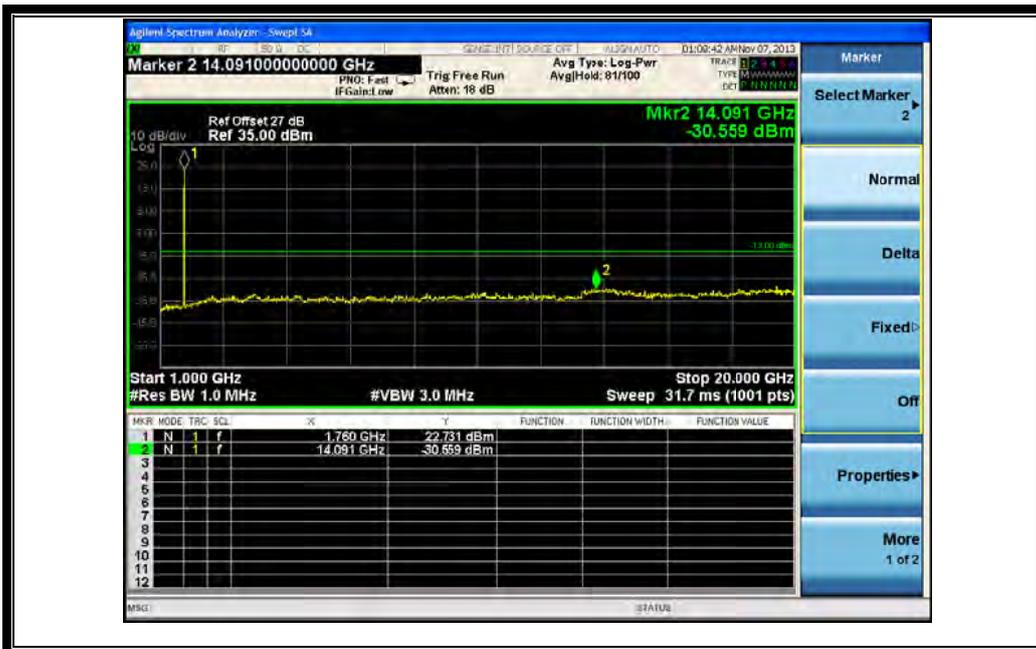
(Plot N 2: HSDPA 1700MHz Channel = 1412, 30MHz to 1GHz)



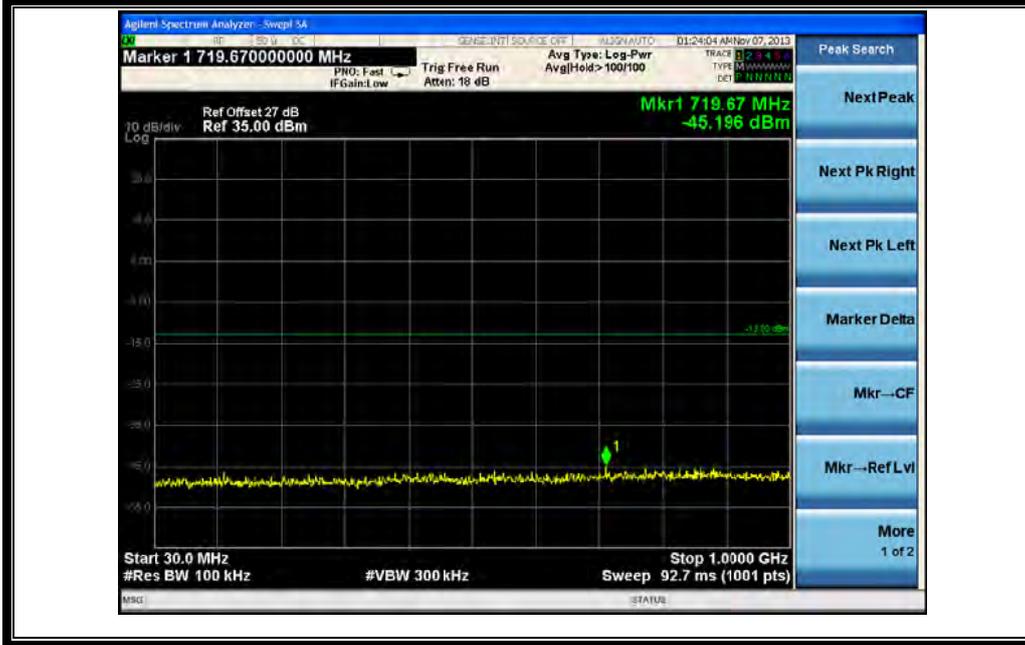
(Plot N2.1: HSDPA 1700MHz Channel = 1412, 1GHz to 20GHz)



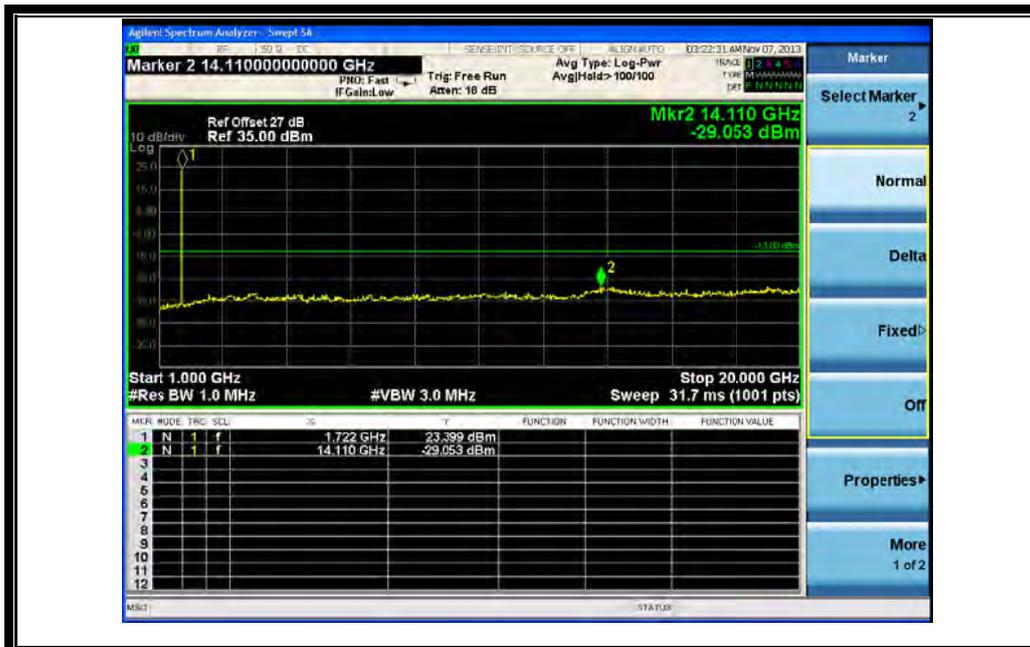
(Plot N3: HSDPA 1700MHz Channel = 1513, 30MHz to 1GHz)



(Plot N3.1: HSDPA 1700MHz Channel = 1513 1GHz to 20GHz)



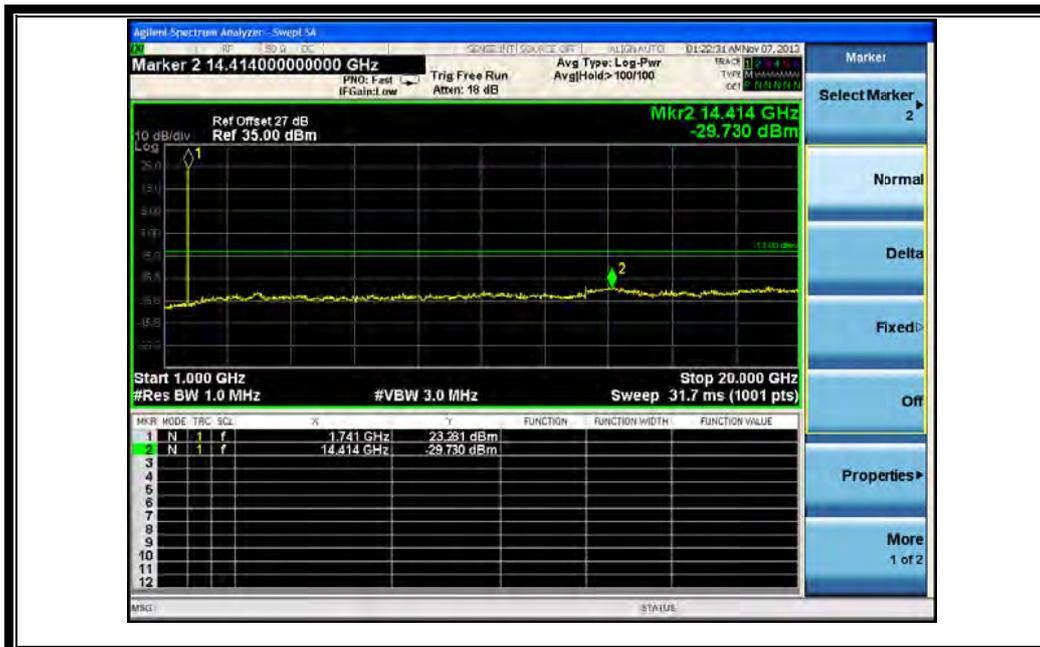
(Plot O 1: HSUPA 1700MHz Channel = 1312, 30MHz to 1GHz)



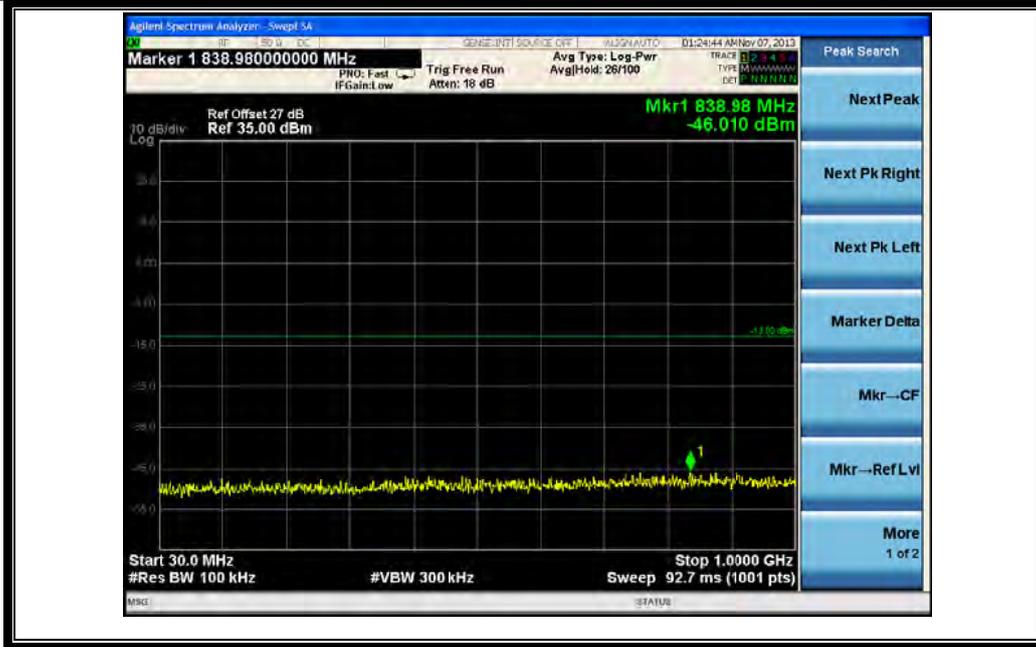
(Plot O1.1: HSUPA 1700MHz Channel = 1312, 1GHz to 20GHz)



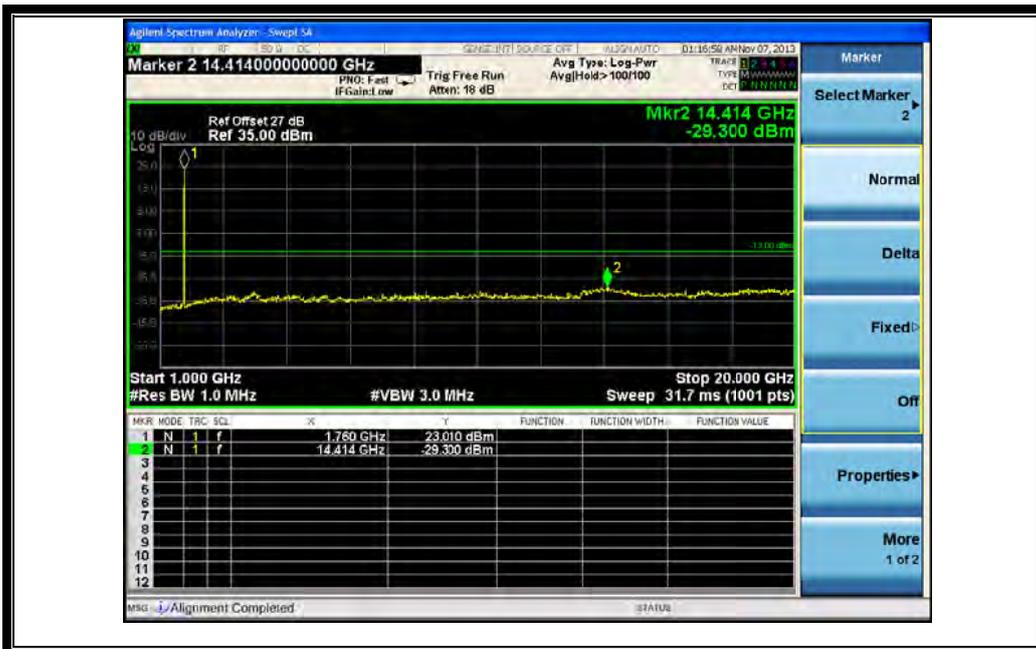
(Plot O 2: HSUPA 1700MHz Channel = 1412, 30MHz to 1GHz)



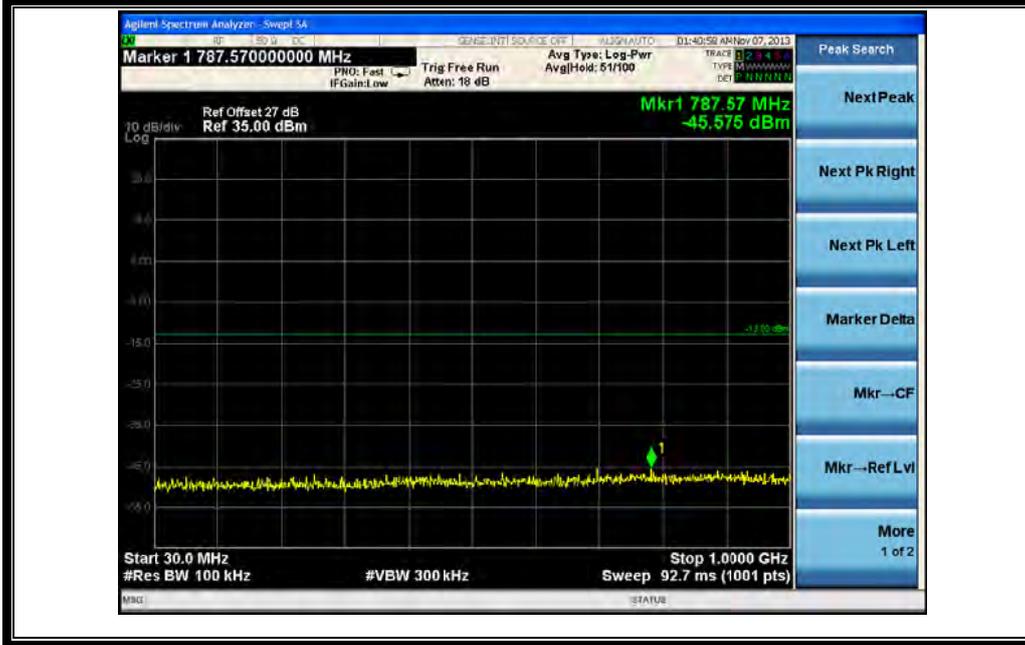
(Plot O 2.1: HSUPA 1700MHz Channel = 1412, 1GHz to 20GHz)



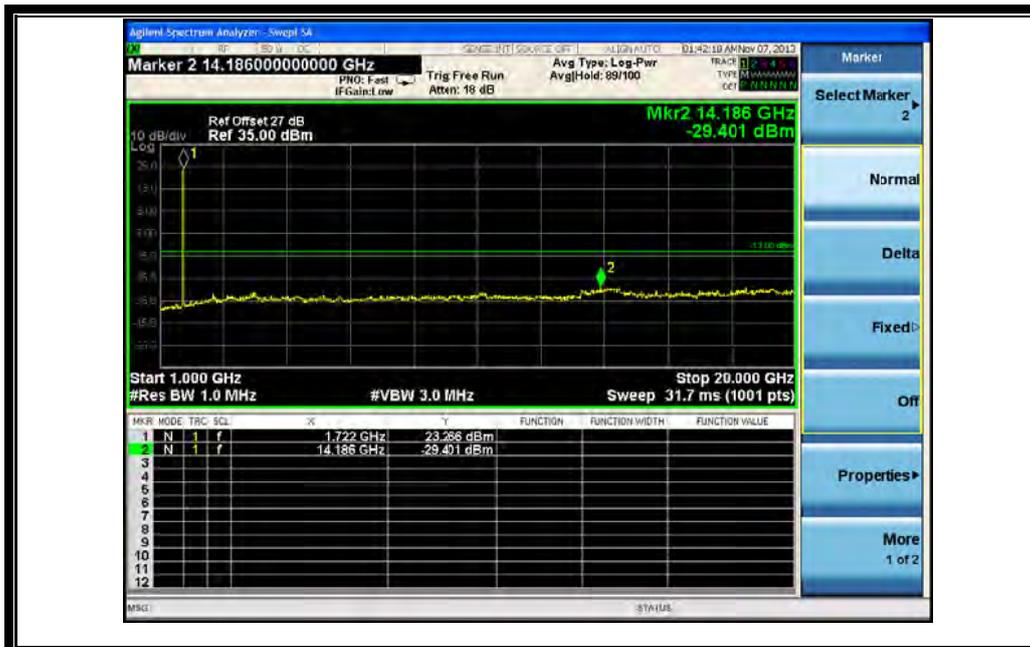
(Plot O 3: HSUPA 1700MHz Channel = 1513, 30MHz to 1GHz)



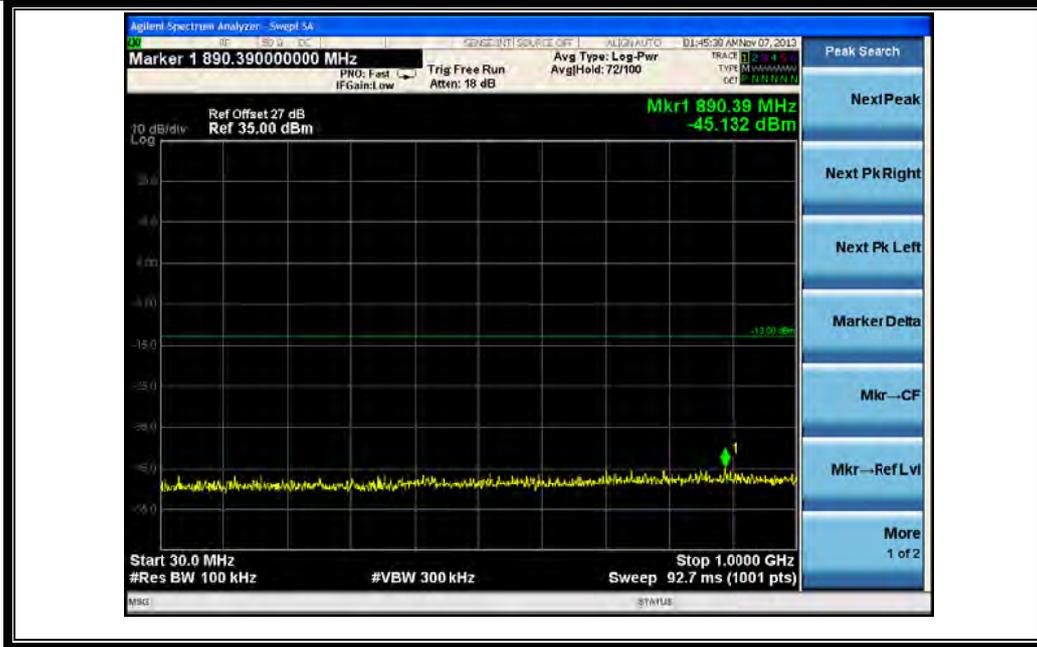
(Plot O 3.1: HSUPA 1700MHz Channel = 1513 1GHz to 20GHz)



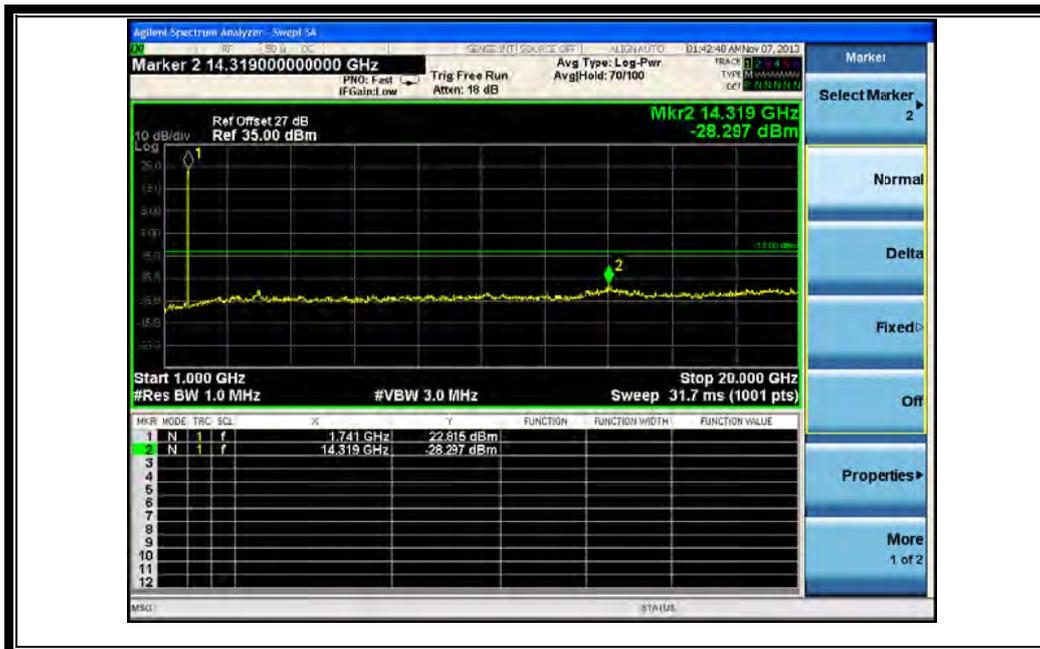
(Plot P 1: HSPA+ 1700MHz Channel = 1312, 30MHz to 1GHz)



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



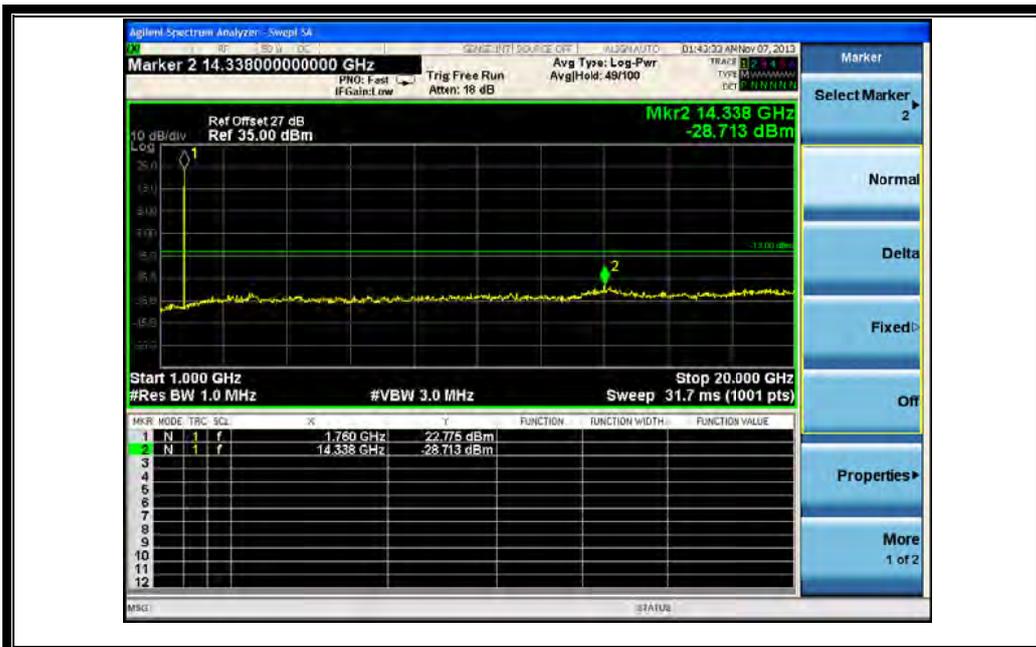
(Plot P 2: HSPA+ 1700MHz Channel = 1412, 30MHz to 1GHz)



(Plot P 2.1: HSPA+ 1700MHz Channel = 1412, 1GHz to 20GHz)



(Plot P 3: HSPA+ 1700MHz Channel = 1513, 30MHz to 1GHz)



(Plot P 3.1: 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

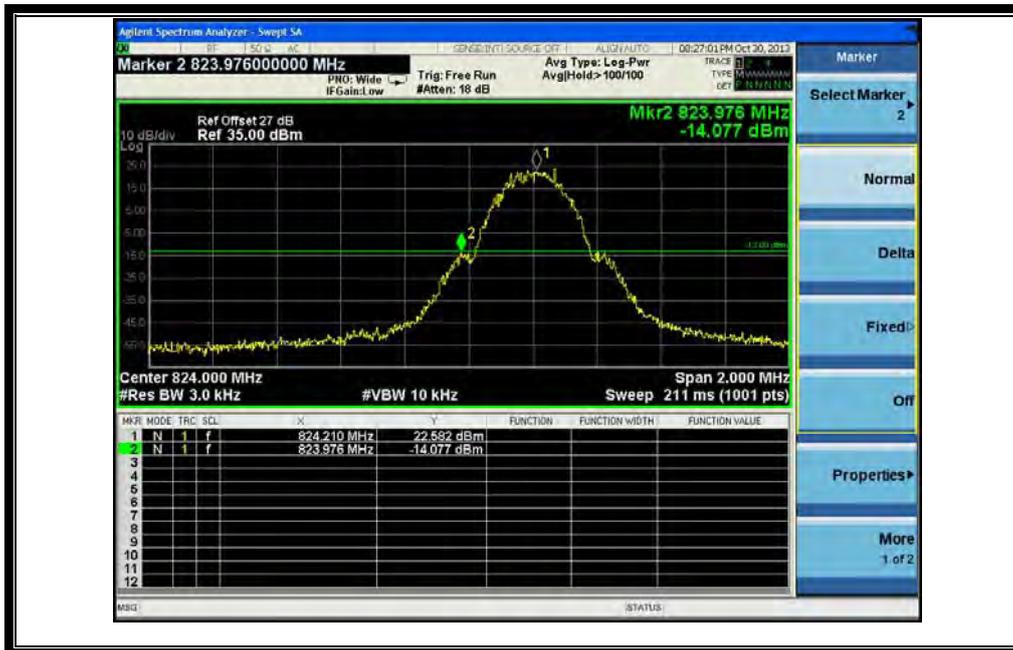
The lowest and highest channels are tested to verify the band edge emissions.

1. Test Verdict:

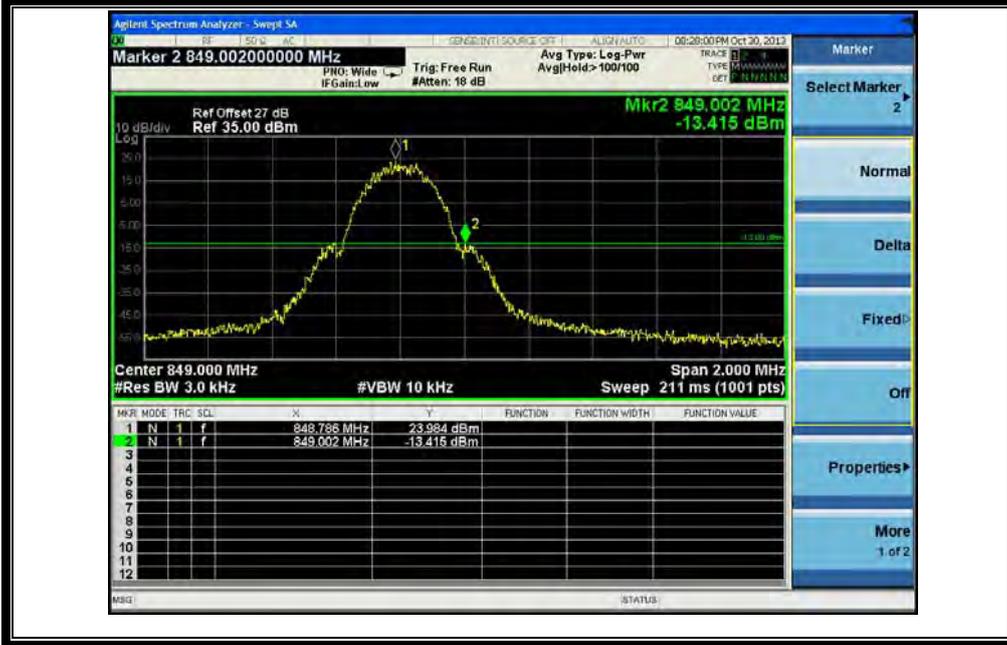
Band	Channel	Frequency (MHz)	Measured Max. Band Edge Emission (dBm)	Refer to Plot	Limit (dBm)	Verdict
GSM 850MHz	128	824.2	-14.077	Plat A	-13	<u>PASS</u>
	251	848.8	-13.415	Plot B		<u>PASS</u>
GSM 1900MHz	512	1850.2	-16.157	Plat C	-13	<u>PASS</u>
	810	1909.8	-15.247	Plot D		<u>PASS</u>
EDGE 850MHz	128	824.2	-13.946	Plat E	-13	<u>PASS</u>
	251	848.8	-13.356	Plot F		<u>PASS</u>
EDGE 1900MHz	512	1850.2	-14.975	Plat G	-13	<u>PASS</u>
	810	1909.8	-17.394	Plot H		<u>PASS</u>
WCDMA 850MHz	4132	826.4	-22.211	Plat I	-13	<u>PASS</u>
	4233	846.6	-26.017	Plot J		<u>PASS</u>
WCDMA 1900MHz	9262	1852.4	-24.608	Plat K	-13	<u>PASS</u>
	9538	1907.6	-22.758	Plot L		<u>PASS</u>
HSDPA 850MHz	4132	826.4	-21.021	Plat M	-13	<u>PASS</u>
	4233	846.6	-25.719	Plot N		<u>PASS</u>
HSDPA 1900MHz	9262	1852.4	-25.886	Plat O	-13	<u>PASS</u>
	9538	1907.6	-23.758	Plot P		<u>PASS</u>
HSUPA 850MHz	4132	826.4	-22.263	Plat Q	-13	<u>PASS</u>
	4233	846.6	-25.900	Plot R		<u>PASS</u>
HSUPA 1900MHz	9262	1852.4	-25.190	Plat S	-13	<u>PASS</u>
	9538	1907.6	-22.739	Plot T		<u>PASS</u>
HSPA+ 850MHz	4132	826.4	-21.643	Plat U	-13	<u>PASS</u>
	4233	846.6	-25.844	Plot V		<u>PASS</u>
HSPA+	9262	1852.4	-24.917	Plat W	-13	<u>PASS</u>

1900MHz	9538	1907.6	-24.917	Plot X		<u>PASS</u>
WCDMA	1312	1712.4	-21.850	Plat Y	-13	<u>PASS</u>
1700MHz	1513	1752.6	-21.662	Plot Z		<u>PASS</u>
HSDPA	1312	1712.4	-21.117	Plat A1	-13	<u>PASS</u>
1700MHz	1513	1752.6	-21.193	Plot B1		<u>PASS</u>
HSUPA	1312	1712.4	-21.161	Plat C1	-13	<u>PASS</u>
1700MHz	1513	1752.6	-21.255	Plot D1		<u>PASS</u>
HSPA+	1312	1712.4	-21.850	Plat E1	-13	<u>PASS</u>
1700MHz	1513	1752.6	-22.890	Plot F1		<u>PASS</u>

2. Test Plots:



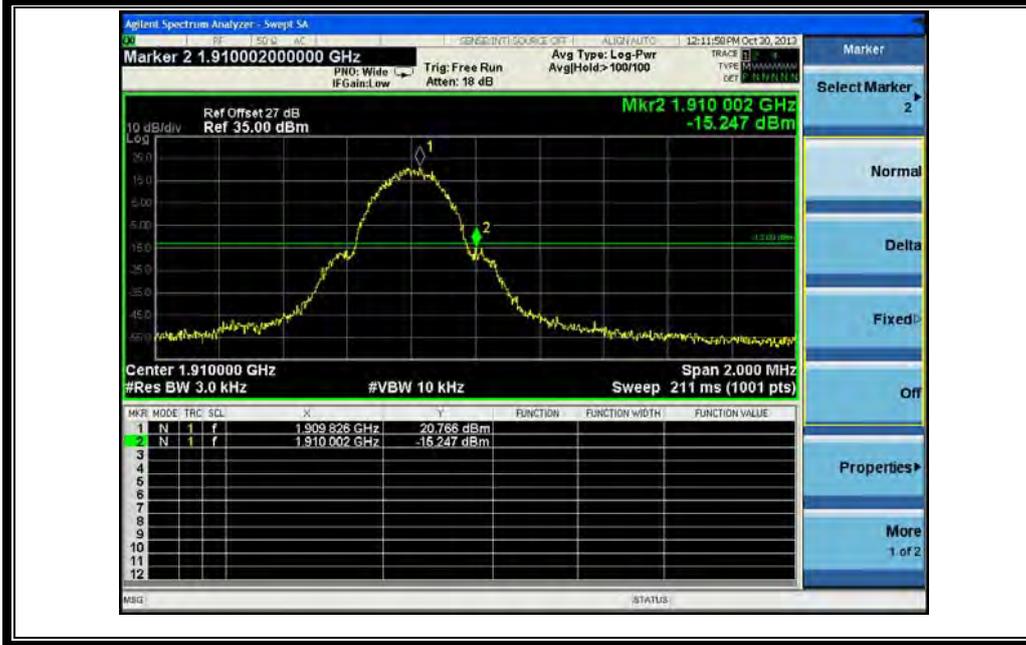
(Plot A: GSM 850 Channel = 128)



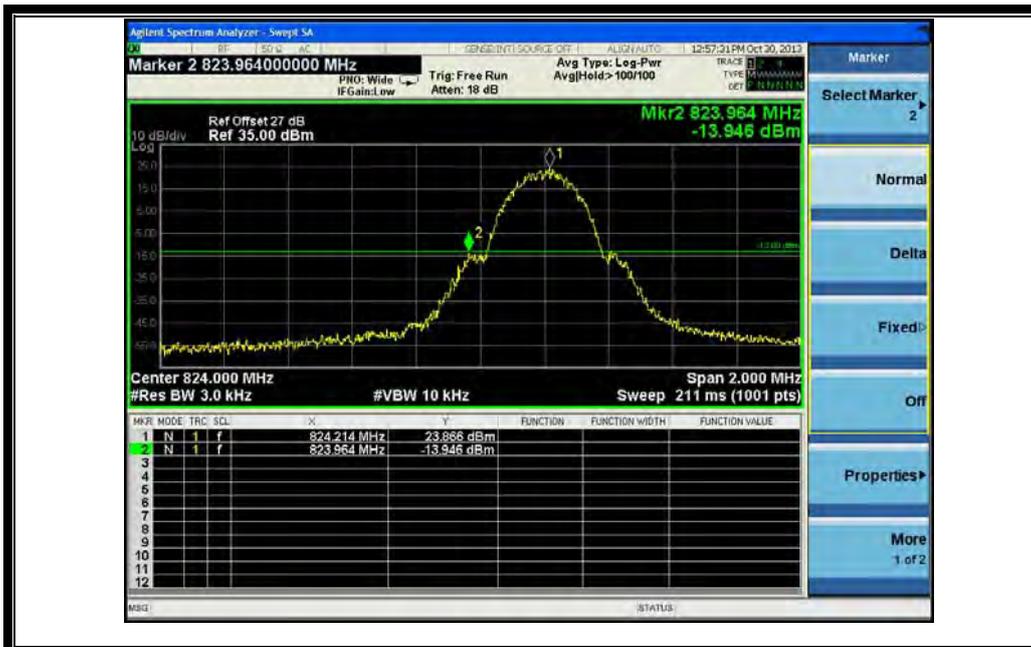
(Plot B: GSM 850 Channel = 251)



(Plot C: GSM 1900 Channel = 512)



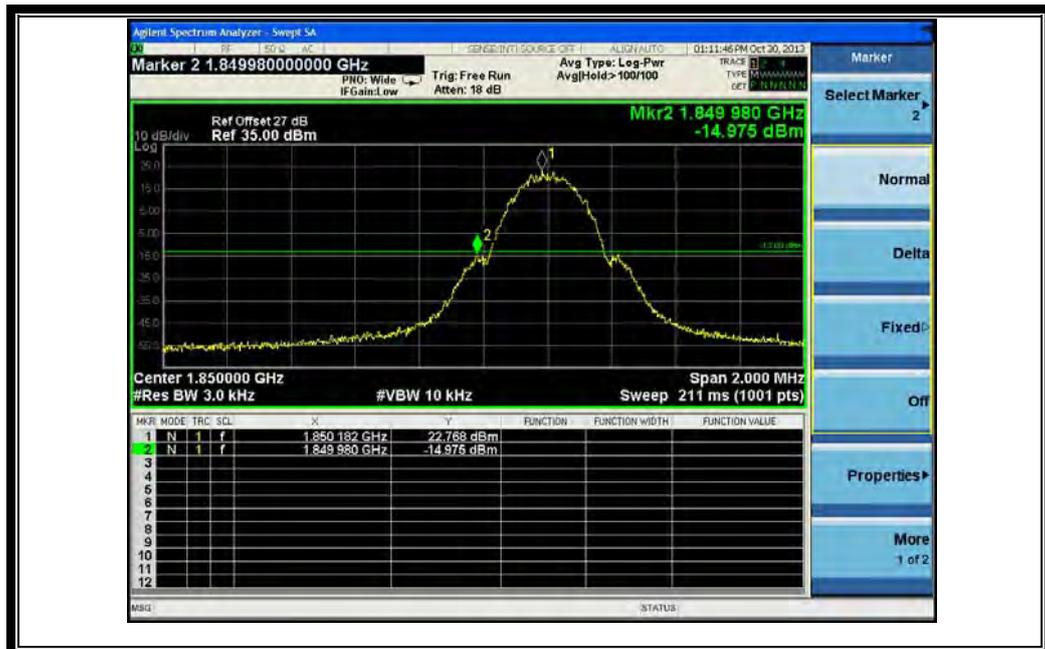
(Plot D: GSM 1900 Channel = 810)



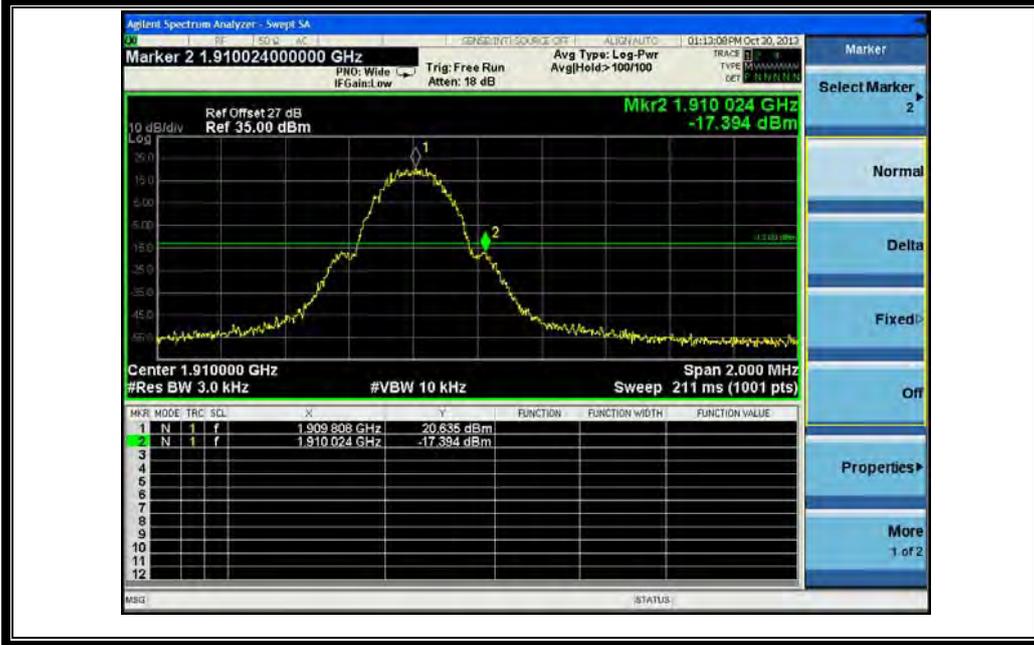
(Plot E: EGPRS 850 Channel = 128)



(Plot F: EGPRS 850 Channel = 251)



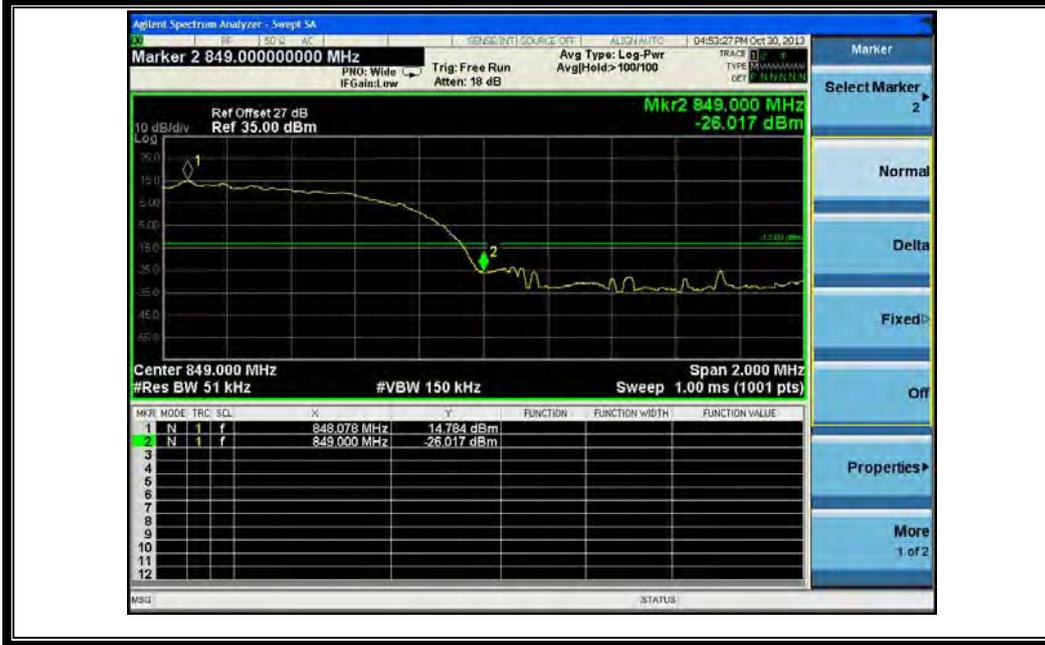
(Plot G: EGPRS 1900 Channel = 512)



(Plot H: EGPRS 1900 Channel = 810)



(Plot I: WCDMA 850 Channel = 4132)



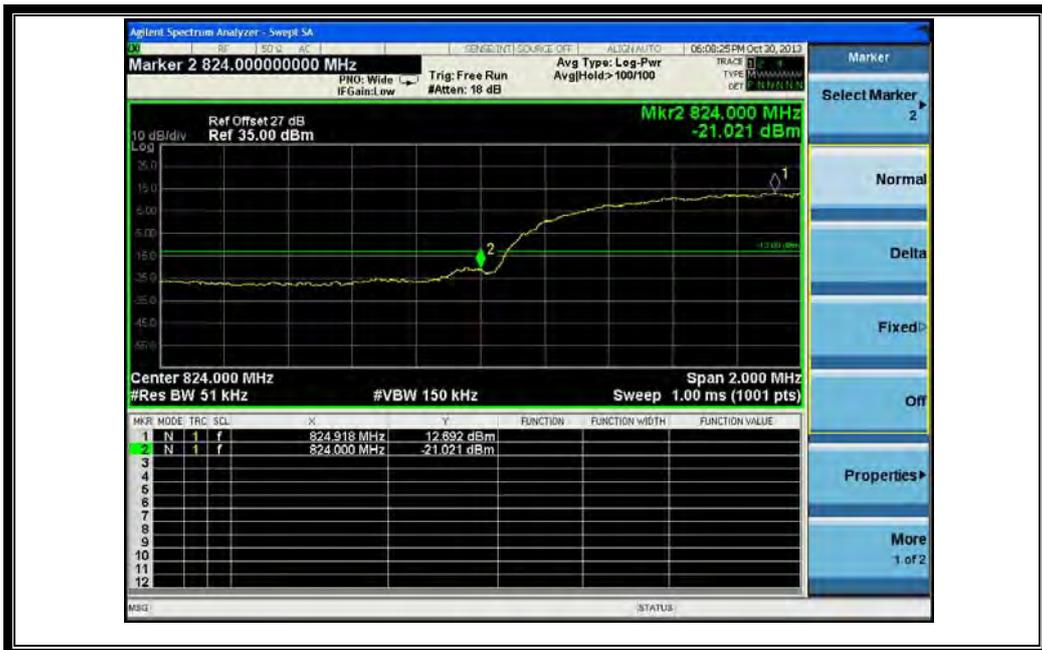
(Plot J: WCDMA 850 Channel = 4233)



(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: HSPA 1900 Channel = 9538)



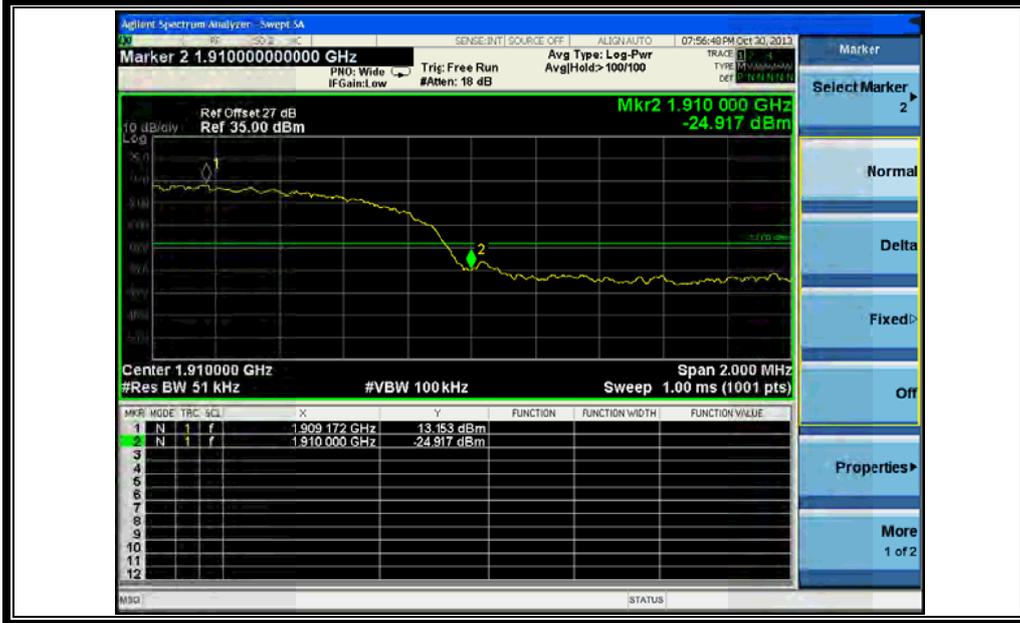
(Plot U: HSPA+ 850 Channel = 4132)



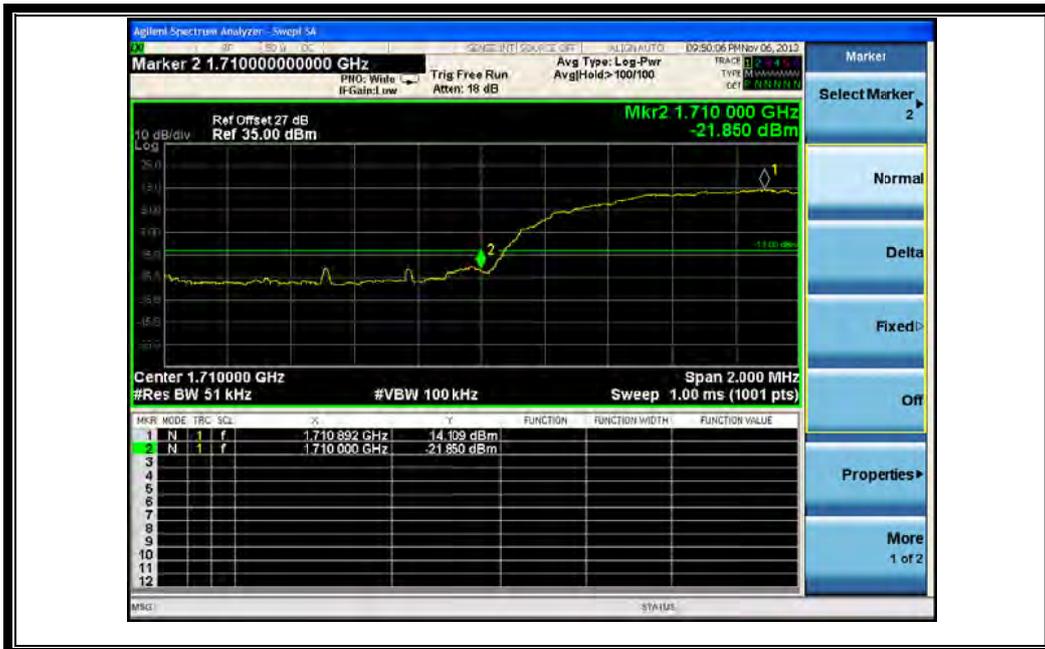
(Plot V: HSPA+ 850 Channel = 4233)



(Plot W: HSPA+ 1900 Channel = 9262)



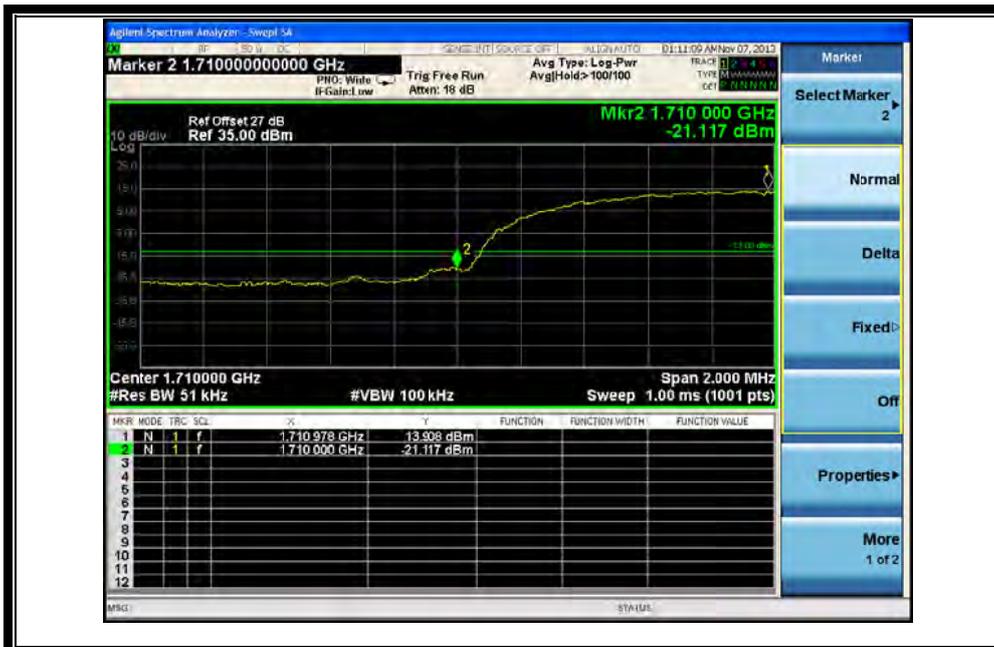
(Plot X: HSPA+ 1900 Channel = 9538)



(Plot Y: WCDMA 1700 Channel = 1312)



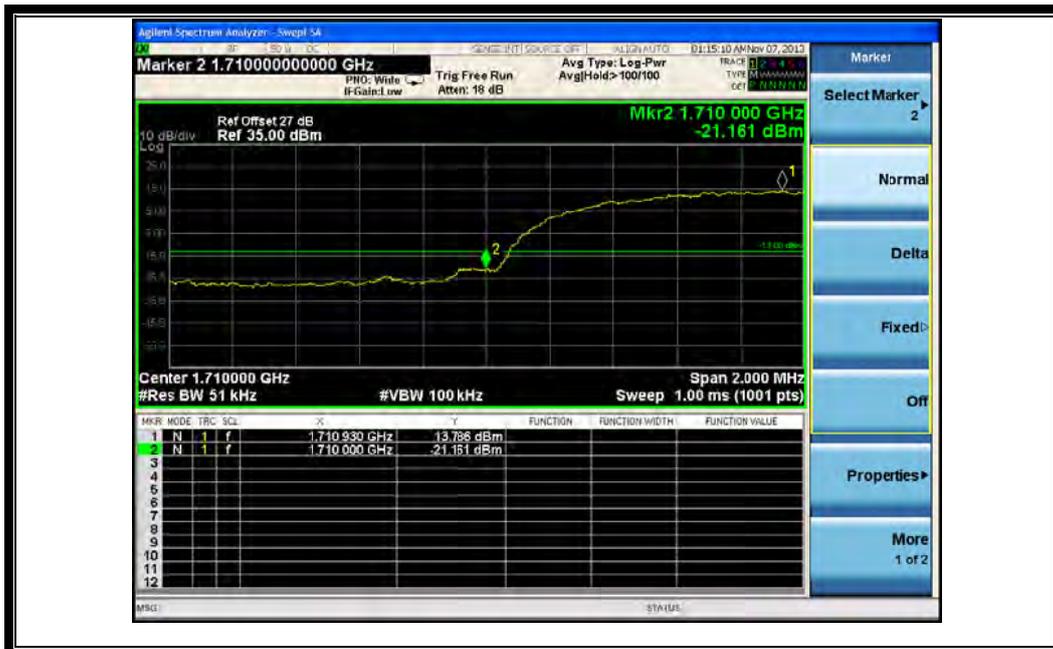
(Plot Z: WCDMA 1700 Channel = 1513)



(Plot A1:HSDPA 1700 Channel = 1312)



(Plot B1: HSDPA 1700 Channel = 1513)



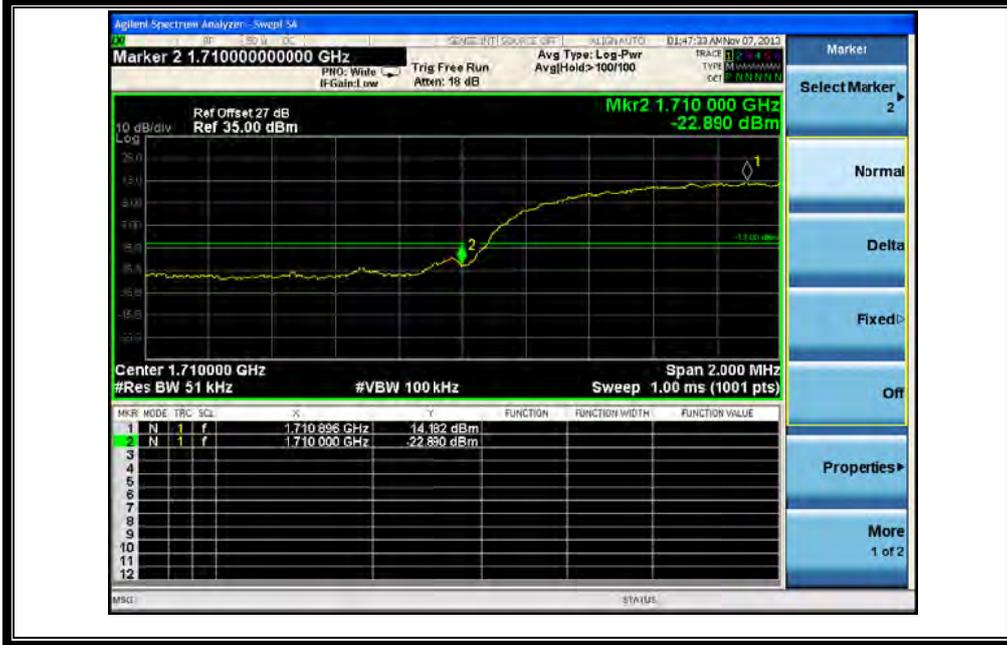
(Plot C1: HSUPA 1700 Channel = 1312)



(Plot D1: HSUPA1700 Channel = 1513)



(Plot E1: HSPA+ 1700 Channel = 1312)



(Plot F1: HSPA+ 1700 Channel = 1513)

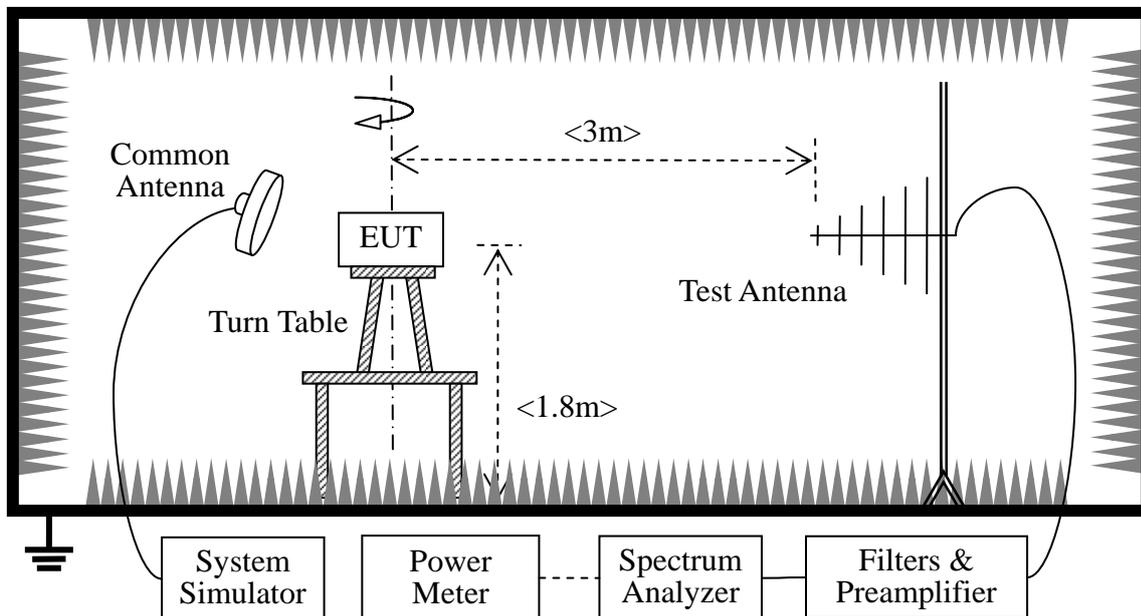
2.7 Transmitter Radiated Power (EIRP/ERP)

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 31.82dBm, GSM 1900 28.95dBm, EGPRS 850 31.73dBm, EGPRS 28.76, WCDMA 850 24.95dBm, WCDMA 1900 24.71dBm, WCDMA 1700 24.68dBm, 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.

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	2013.05	2014.05
Spectrum Analyzer	Agilent	E7405A	US44210471	2013.05	2014.05
Full-Anechoic Chamber	Albatross	9m*6m*6m	(n.a.)	2013.05	2014.05
Test Antenna - Bi-Log	Schwarzbeck	VULB 9163	9163-274	2013.05	2014.05
Test Antenna - Horn	Schwarzbeck	BBHA 9120C	9120C-384	2013.05	2014.05
Substitution Antenna	Schwarzbeck	BBHA 9120C	9120C-384	2013.05	2014.05
Pre-AMPs	lucix	S10M100L3802	S020180L3203	2013.05	2014.05
Notch Filter	COM-MW	ZBSF-C836.5-25-X	NA	2013.05	2014.05
Notch Filter	COM-MW	ZBSF-C1747.5-75-X2	NA	2013.05	2014.05
Notch Filter	COM-MW	ZBSF-C1880-60-X2	NA	2013.05	2014.05

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_{SUBST} = P_{SUBST_TX} - P_{SUBST_RX} - L_{SUBST_CABLES} + G_{SUBST_TX_ANT}

A_{TOT} = L_{CABLES} + A_{SUBST}

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

P_{SUBST_TX} is signal generator level,

P_{SUBST_RX} is receiver level,

L_{SUBST_CABLES} is cable losses including TX cable,

G_{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	32.28	1.690	Plot A	38.5	7	<u>PASS</u>
	190	836.60	5	32.06	1.607				<u>PASS</u>
	251	848.80	5	31.83	1.524				<u>PASS</u>
GPRS 850MHz	128	824.20	5	31.91	1.552	Plot B ^{Note 1}	38.5	7	<u>PASS</u>
	190	836.60	5	31.91	1.552				<u>PASS</u>
	251	848.80	5	31.56	1.432				<u>PASS</u>
EGPRS 850MHz	128	824.20	5	32.14	1.637	Plot C ^{Note 1}	38.5	7	<u>PASS</u>
	190	836.60	5	32.09	1.618				<u>PASS</u>
	251	848.80	5	31.83	1.524				<u>PASS</u>
Band	Channel	Frequency (MHz)	PCL	Measured EIRP			Limit		Verdict
				DBm	W	Refer to Plot	dBm	W	
GSM 1900MHz	512	1850.2	0	28.96	0.787	Plot D	33	2	<u>PASS</u>
	661	1880.0	0	29.18	0.828				<u>PASS</u>
	810	1909.8	0	29.39	0.869				<u>PASS</u>
GPRS 1900MHz	512	1850.2	0	29.01	0.796	Plot E ^{Note 1}	33	2	<u>PASS</u>
	661	1880.0	0	29.29	0.849				<u>PASS</u>
	810	1909.8	0	29.40	0.871				<u>PASS</u>
EGPRS 1900MHz	512	1850.2	0	29.08	0.809	Plot F ^{Note 1}	33	2	<u>PASS</u>
	661	1880.0	0	29.47	0.885				<u>PASS</u>
	810	1909.8	0	29.52	0.895				<u>PASS</u>
Note 1:	For the GPRS and EGPRS model, all the slots were tested and just the worst data was record in this report.								

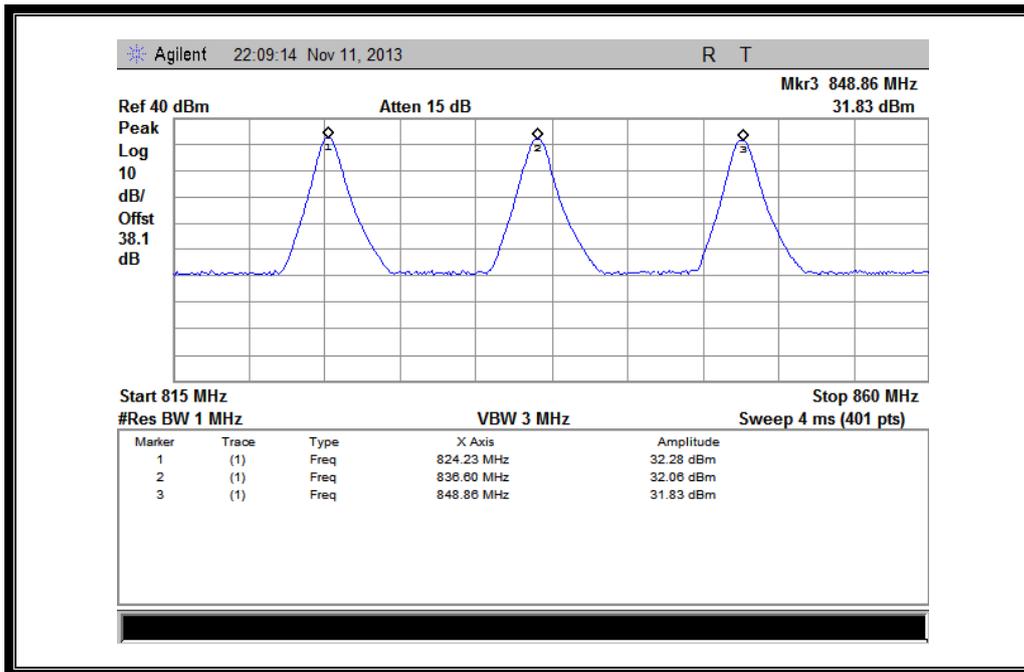
2. WCDMA Model Test Verdict:

Band	Channel	Frequency (MHz)	Measured ERP			Limit		Verdict
			dBm	W	Refer to Plot	dBm	W	
WCDMA 850MHz	4132	826.4	25.20	0.331	Plot G	38.5	7	<u>PASS</u>
	4175	835	24.75	0.299				<u>PASS</u>
	4233	846.6	24.65	0.292				<u>PASS</u>
HSDPA 850MHz	4132	826.4	24.72	0.296	Plot H	38.5	7	<u>PASS</u>
	4175	835	24.90	0.309				<u>PASS</u>
	4233	846.6	24.67	0.293				<u>PASS</u>
HSUPA 850MHz	4132	826.4	25.22	0.333	Plot I	38.5	7	<u>PASS</u>
	4175	835	24.66	0.292				<u>PASS</u>
	4233	846.6	24.63	0.290				<u>PASS</u>
HSPA+ 850MHz	4132	826.4	24.45	0.279	Plot J	38.5	7	<u>PASS</u>
	4175	835	24.59	0.288				<u>PASS</u>
	4233	846.6	24.59	0.288				<u>PASS</u>

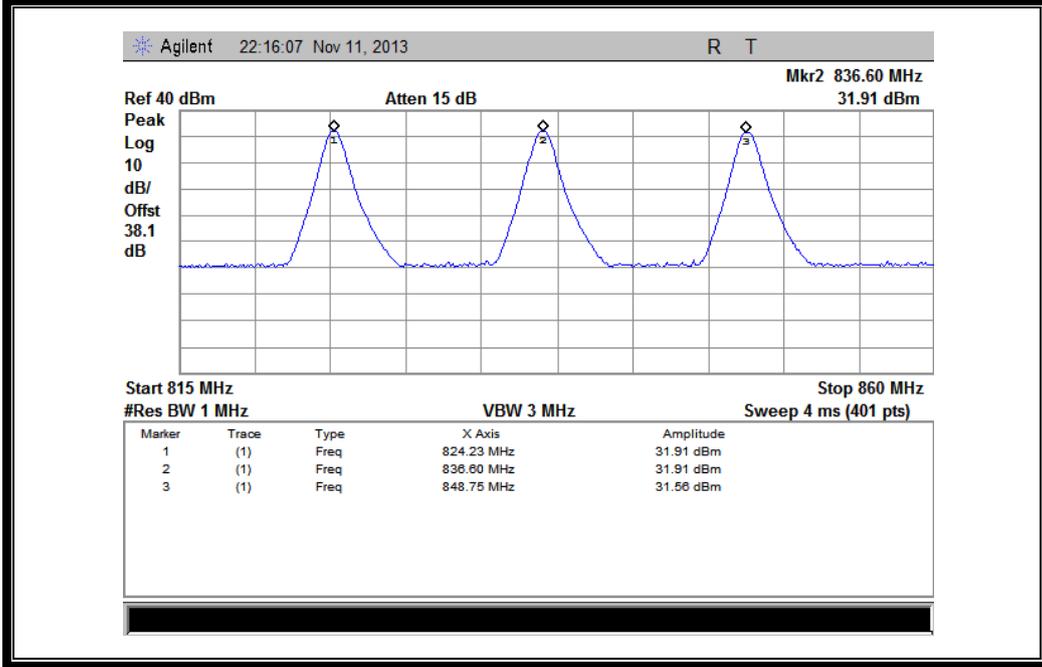
Band	Channel	Frequency (MHz)	Measured EIRP			Limit		Verdict
			dBm	W		dBm	W	
WCDMA 1900MHz	9262	1852.4	25.45	0.351	Plot K	33	2	<u>PASS</u>
	9400	1880	25.15	0.327				<u>PASS</u>
	9538	1907.6	25.58	0.361				<u>PASS</u>
HSDPA 1900MHz	9262	1852.4	25.69	0.371	Plot L	33	2	<u>PASS</u>
	9400	1880	26.20	0.417				<u>PASS</u>
	9538	1907.6	25.70	0.372				<u>PASS</u>
HSUPA 1900MHz	9262	1852.4	25.98	0.396	Plot M	33	2	<u>PASS</u>
	9400	1880	26.30	0.427				<u>PASS</u>
	9538	1907.6	25.77	0.378				<u>PASS</u>
HSPA+ 1900MHz	9262	1852.4	25.37	0.344	Plot N	33	2	<u>PASS</u>
	9400	1880	26.79	0.478				<u>PASS</u>
	9538	1907.6	25.66	0.368				<u>PASS</u>

Band	Channel	Frequency (MHz)	Measured EIRP		Limit		Verdict	
			DBm	W	dBm	W		
WCDMA 1700MHz	1312	1712.4	25.47	0.352	Plot O	30	1	<u>PASS</u>
	1412	1732.4	24.77	0.299				<u>PASS</u>
	1513	1752.6	25.58	0.361				<u>PASS</u>
HSDPA 1700MHz	1312	1712.4	25.61	0.364	Plot P	30	1	<u>PASS</u>
	1412	1732.4	24.72	0.296				<u>PASS</u>
	1513	1752.6	25.07	0.321				<u>PASS</u>
HSUPA 1700MHz	1312	1712.4	25.36	0.344	Plot Q	30	1	<u>PASS</u>
	1412	1732.4	24.58	0.287				<u>PASS</u>
	1513	1752.6	25.36	0.344				<u>PASS</u>
HSPA+ 1700MHz	1312	1712.4	25.47	0.352	Plot R	30	1	<u>PASS</u>
	1412	1732.4	24.69	0.294				<u>PASS</u>
	1513	1752.6	25.09	0.323				<u>PASS</u>

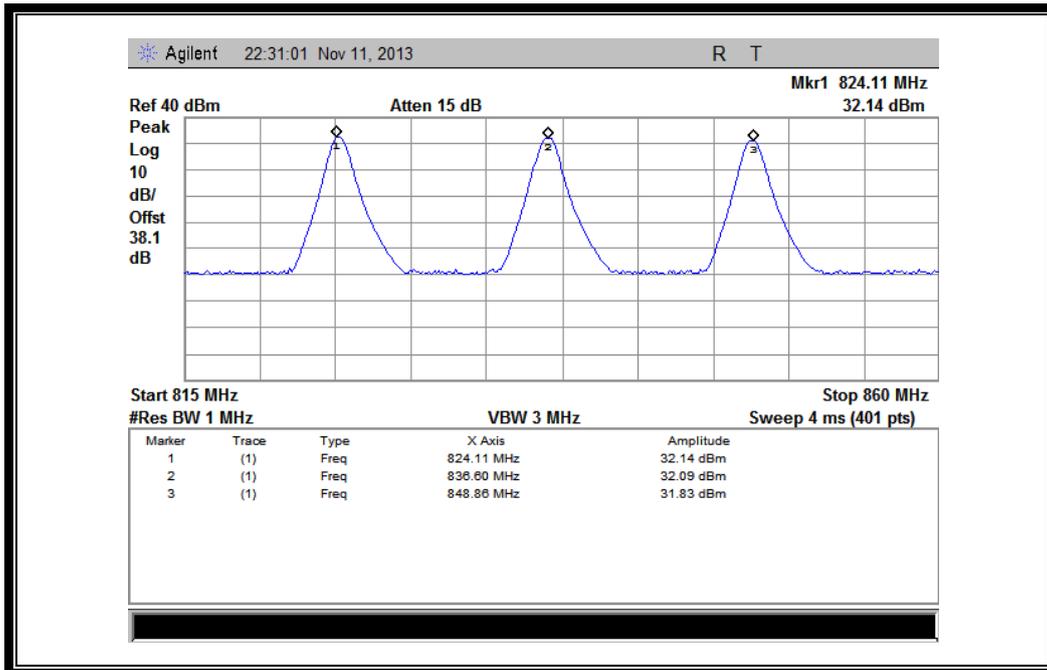
3. Test Plots:



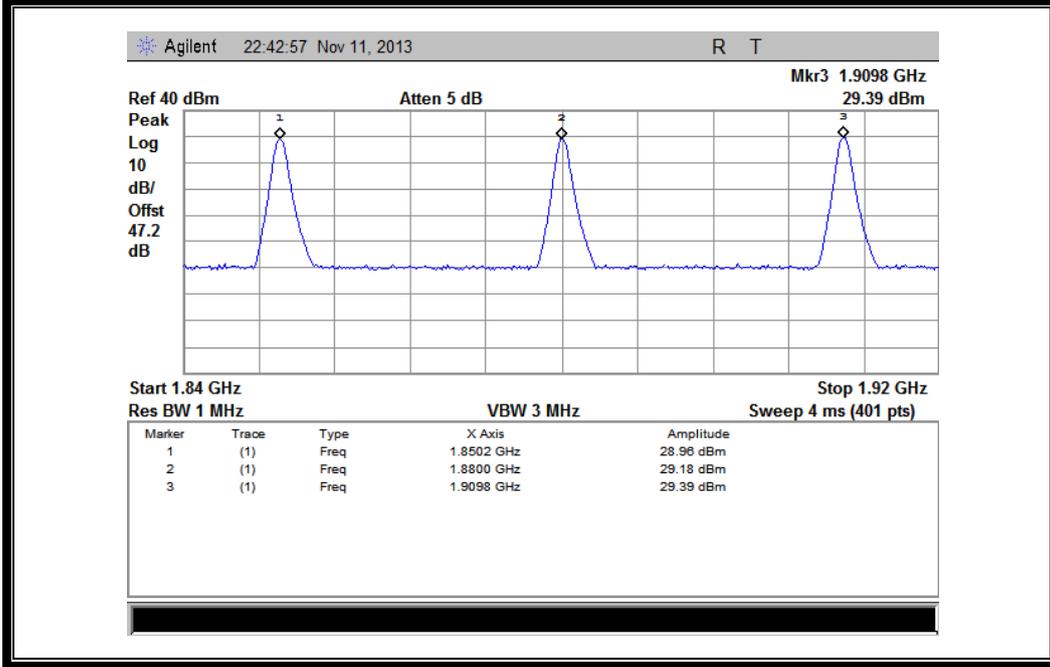
(Plot A: GSM 850MHz Channel = 128, 190, 251)



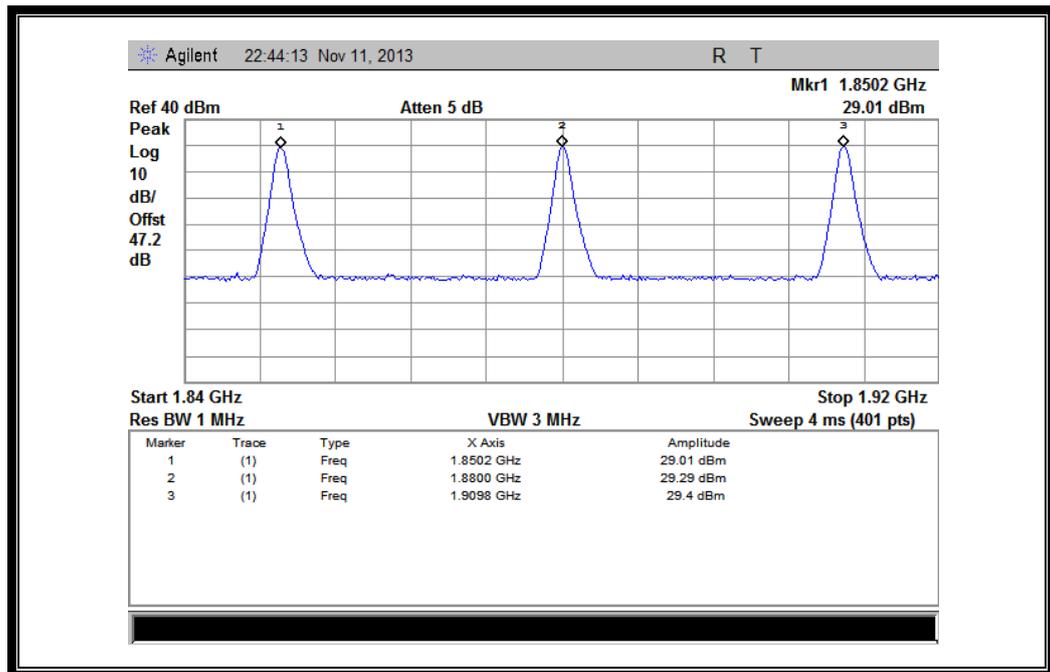
(Plot B: GPRS 850MHz Channel = 128, 190, 251)



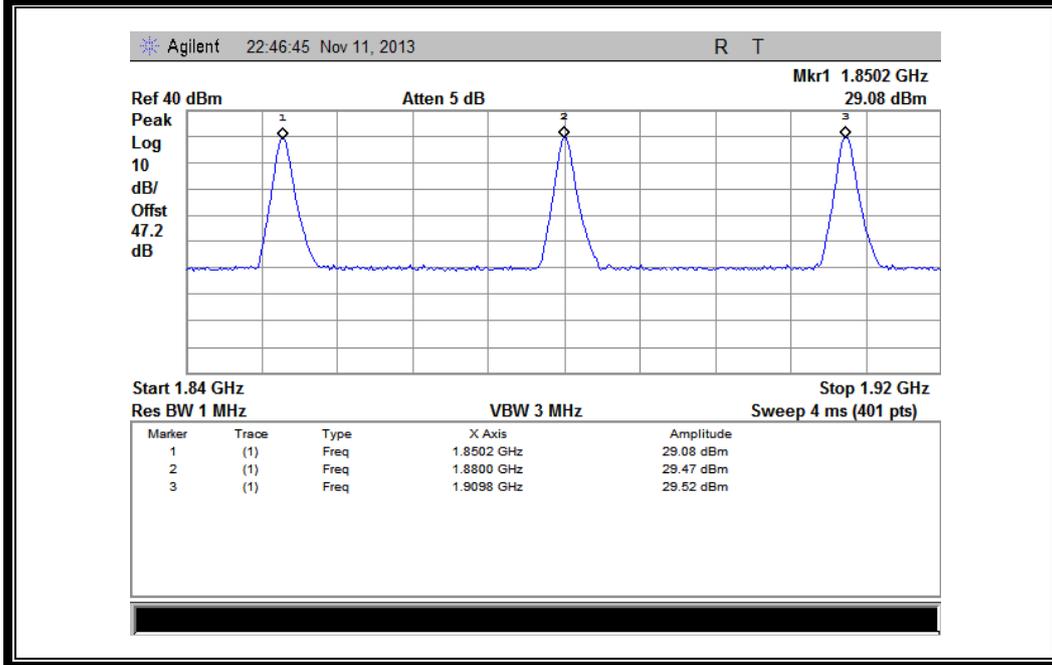
(Plot C: EGPRS 850MHz Channel = 128, 190, 251)



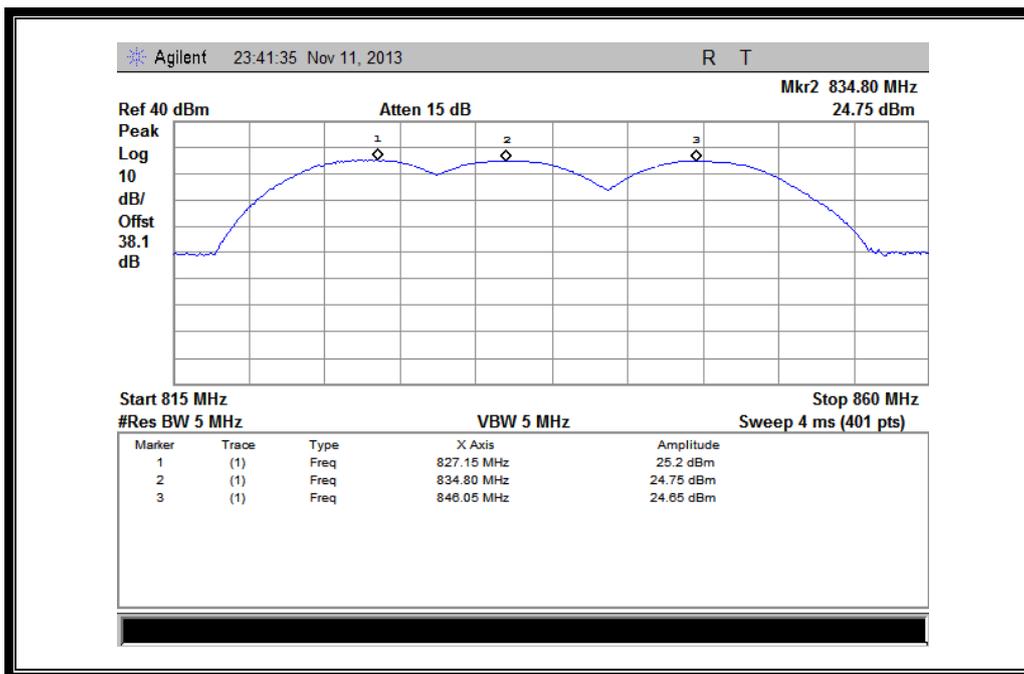
(Plot D: GSM 1900MHz Channel = 512, 661, 810)



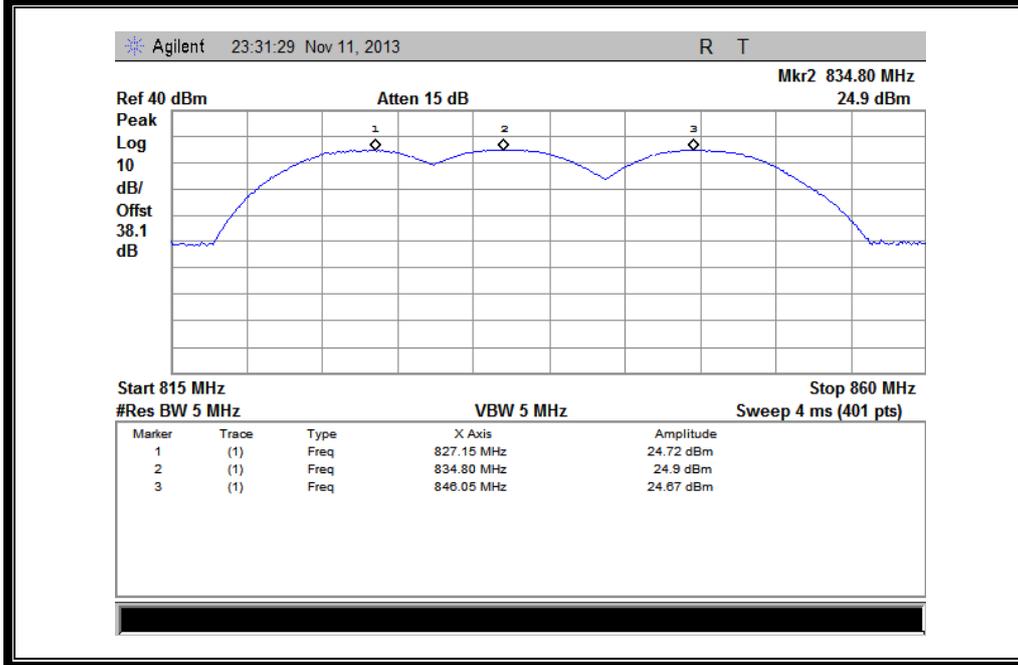
(Plot E: GPRS 1900MHz Channel = 512, 661, 810)



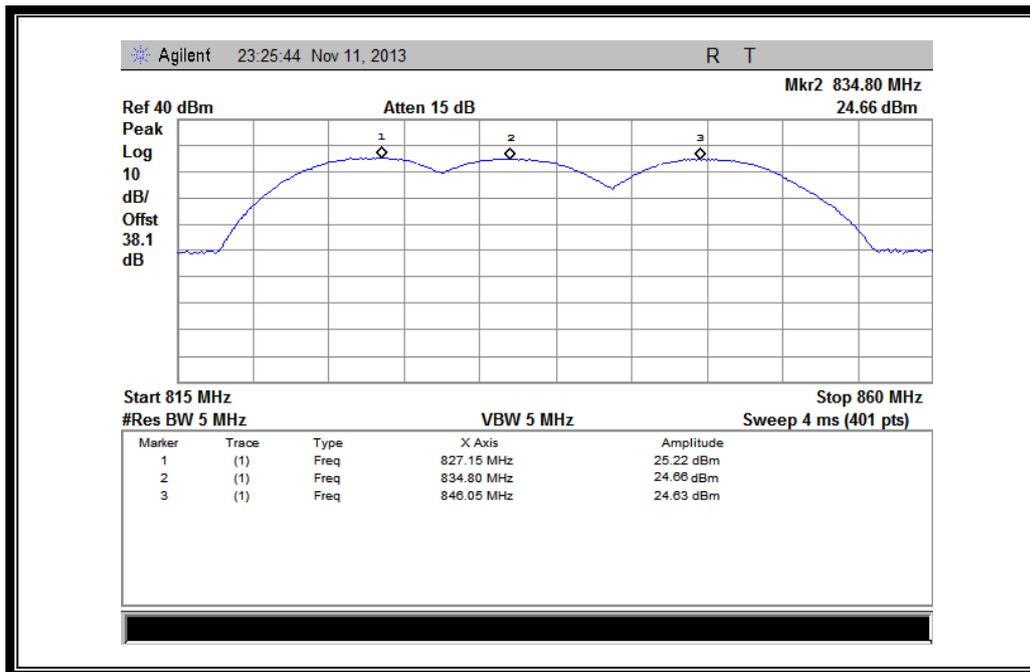
(Plot F: EGPRS 1900MHz Channel = 512, 661, 810)



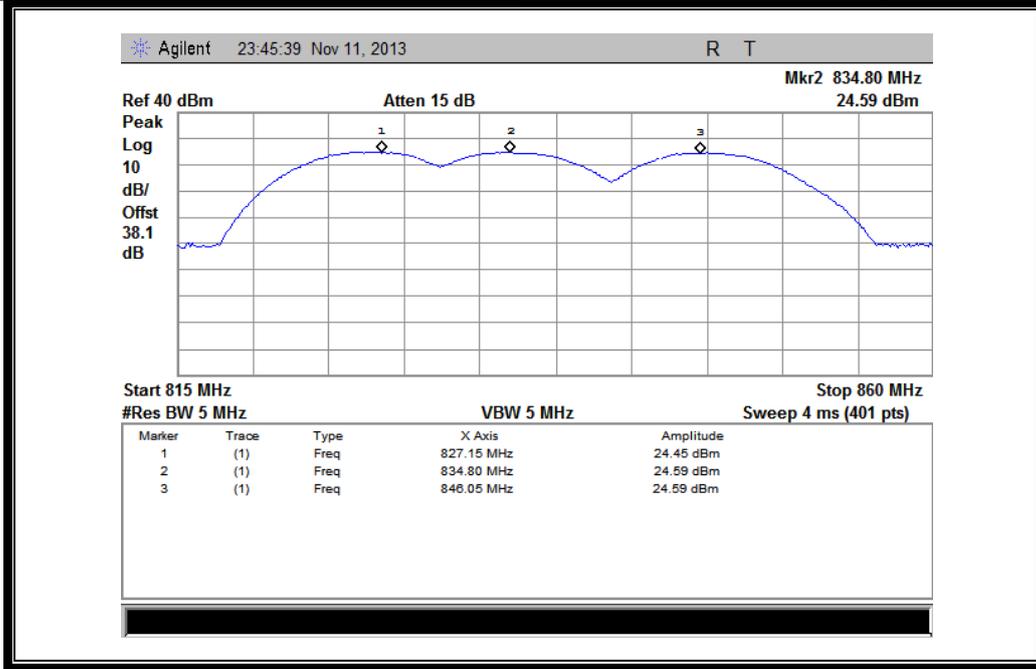
(Plot G: WCDMA 850 MHz Channel = 4132, 4175, 4233)



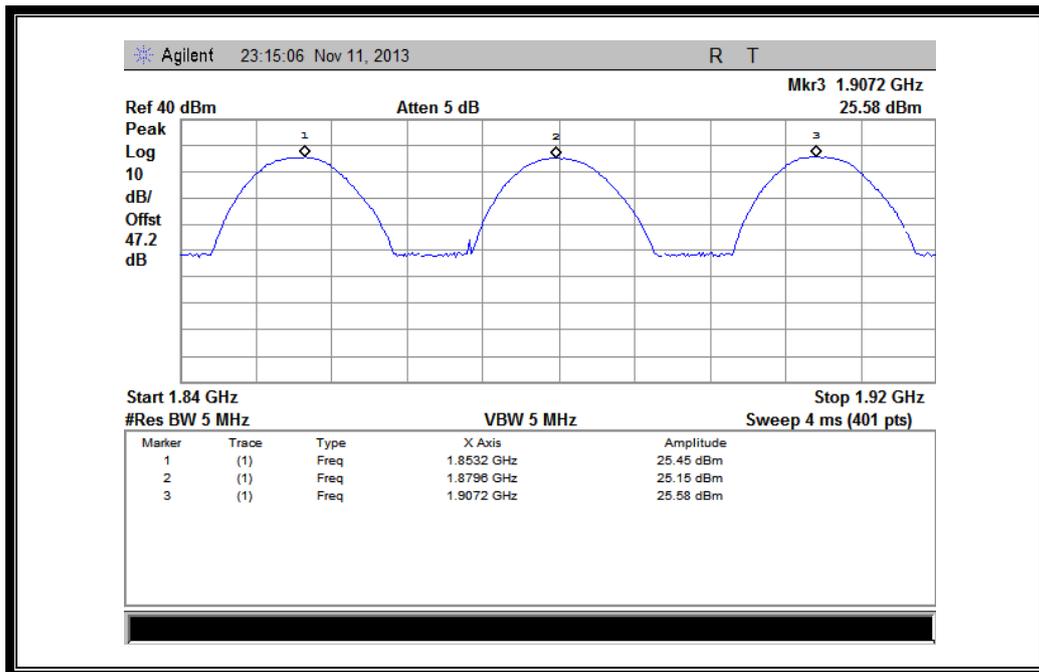
(Plot H: HSDPA 850 MHz Channel = 4132, 4175, 4233)



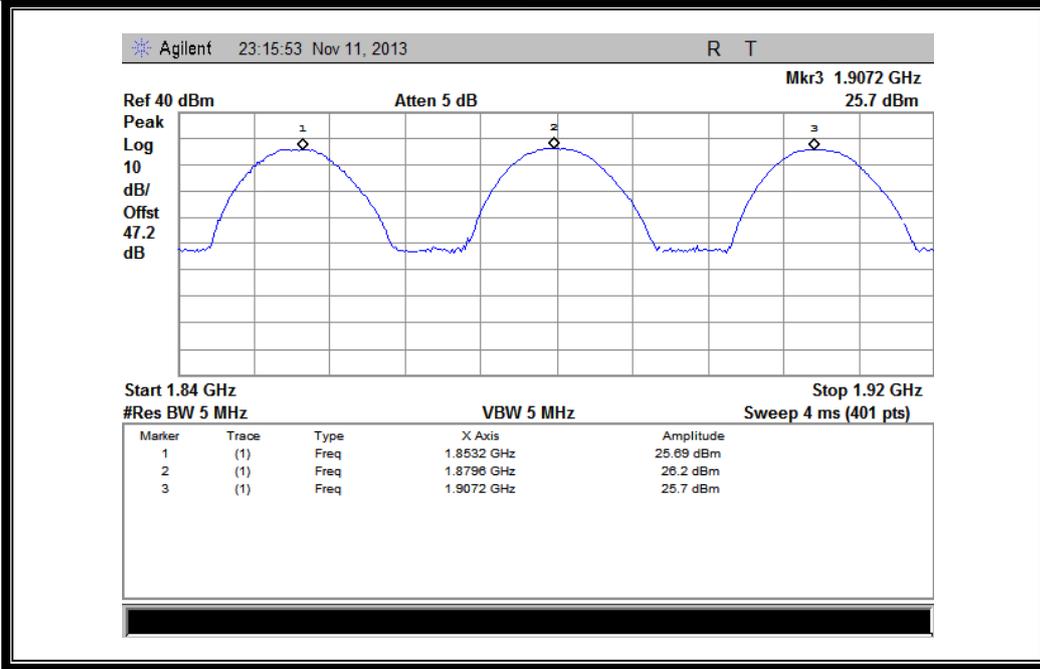
(Plot I: HSUPA 850 MHz Channel = 4132, 4175, 4233)



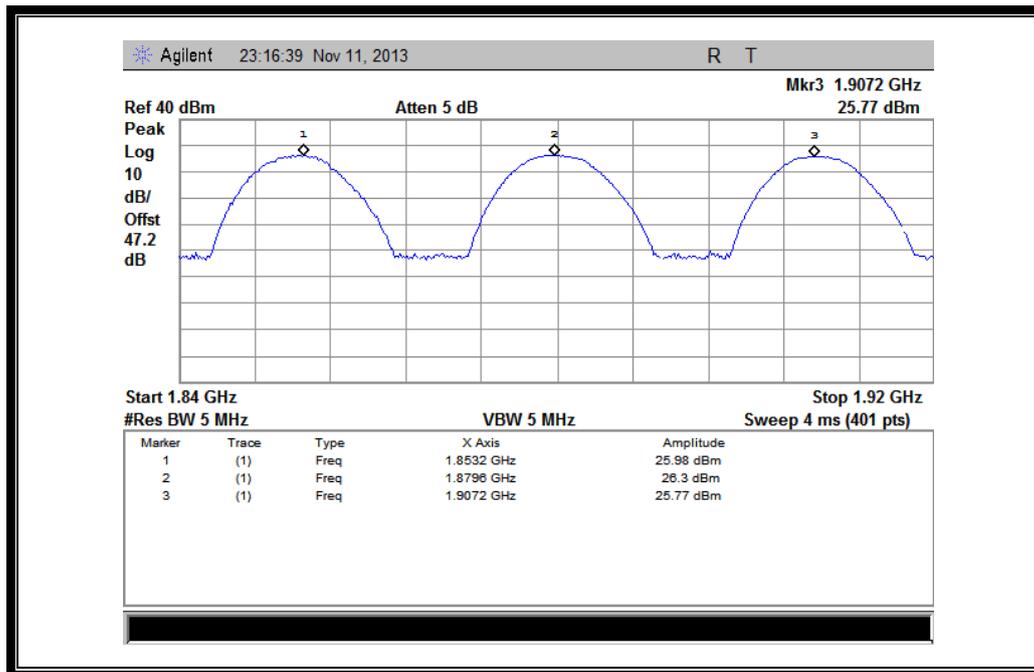
(Plot J: HSPA+ 850 MHz Channel = 4132, 4175, 4233)



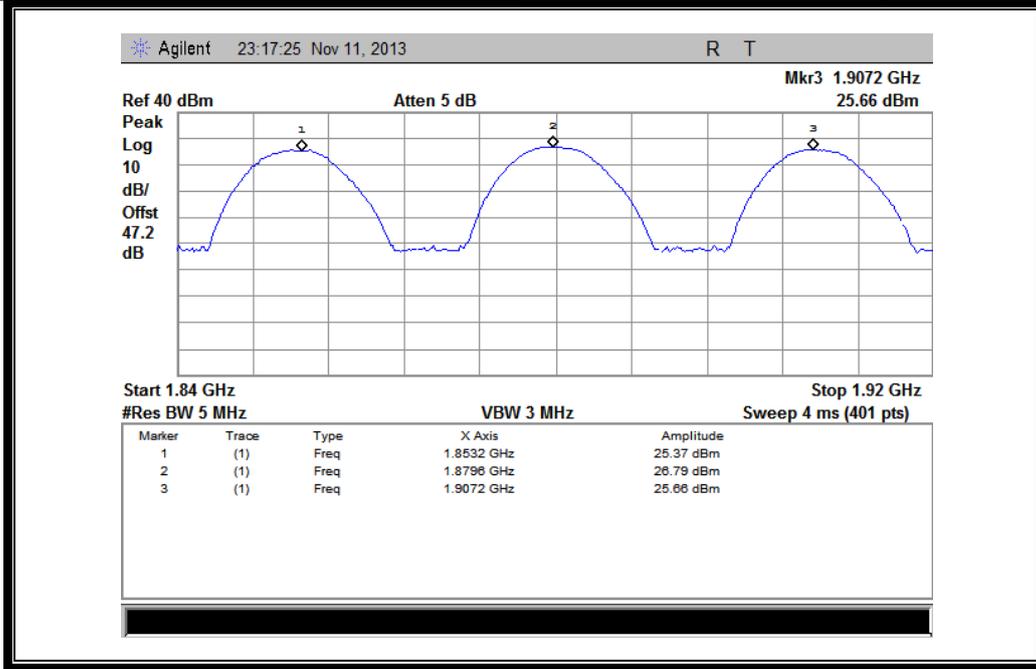
(Plot K: WCDMA 1900 MHz Channel = 9262, 9400, 9538)



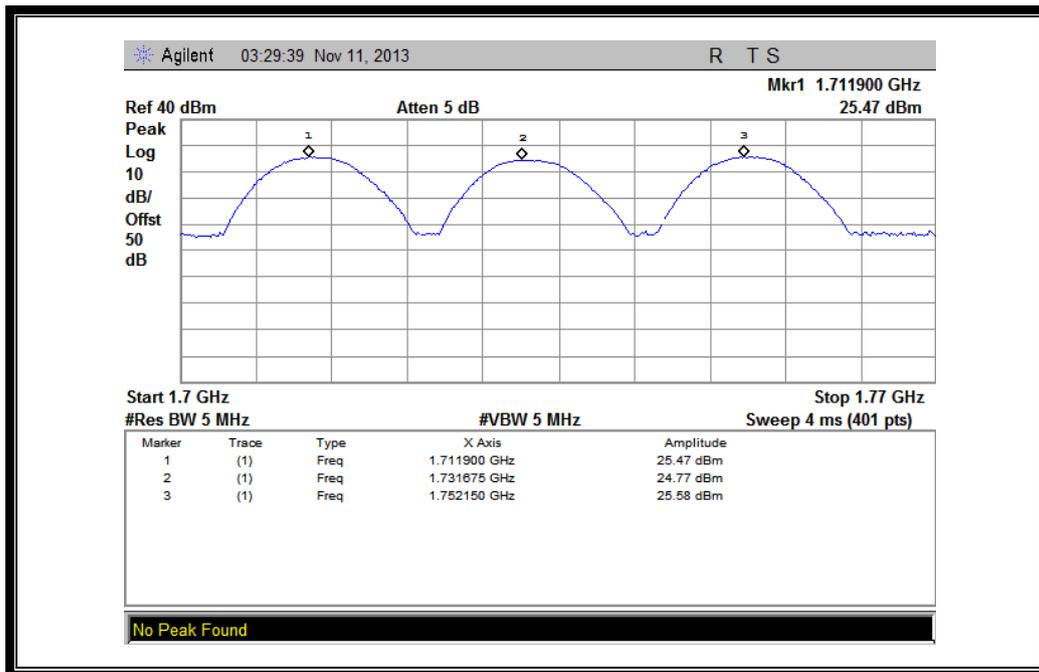
(Plot L: HSDPA1900 MHz Channel = 9262, 9400, 9538)



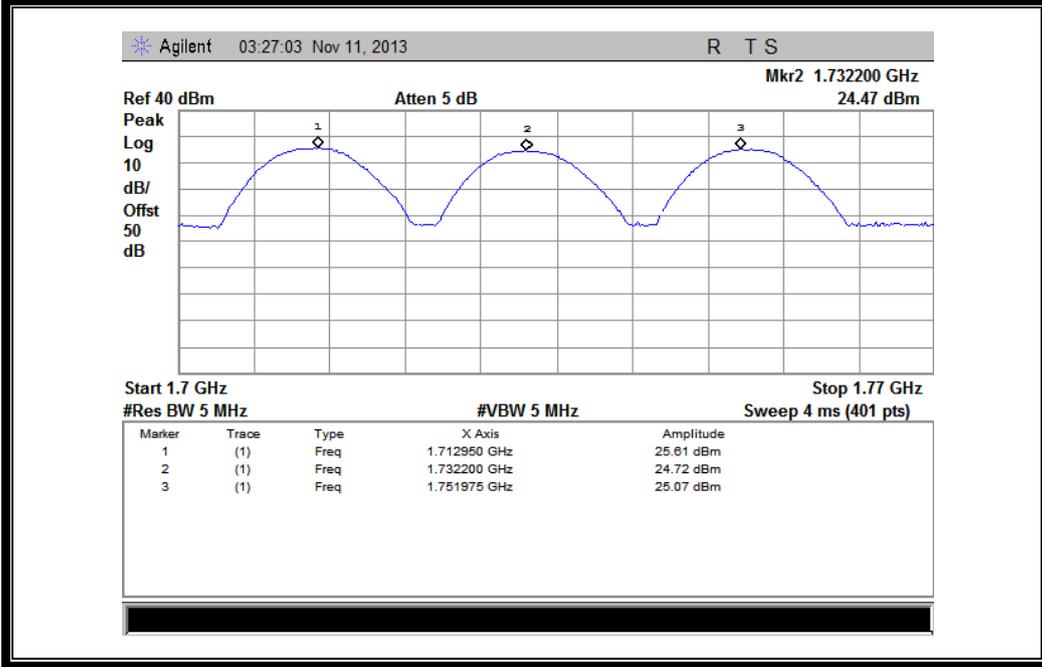
(Plot M: HSUPA1900 MHz Channel = 9262, 9400, 9538)



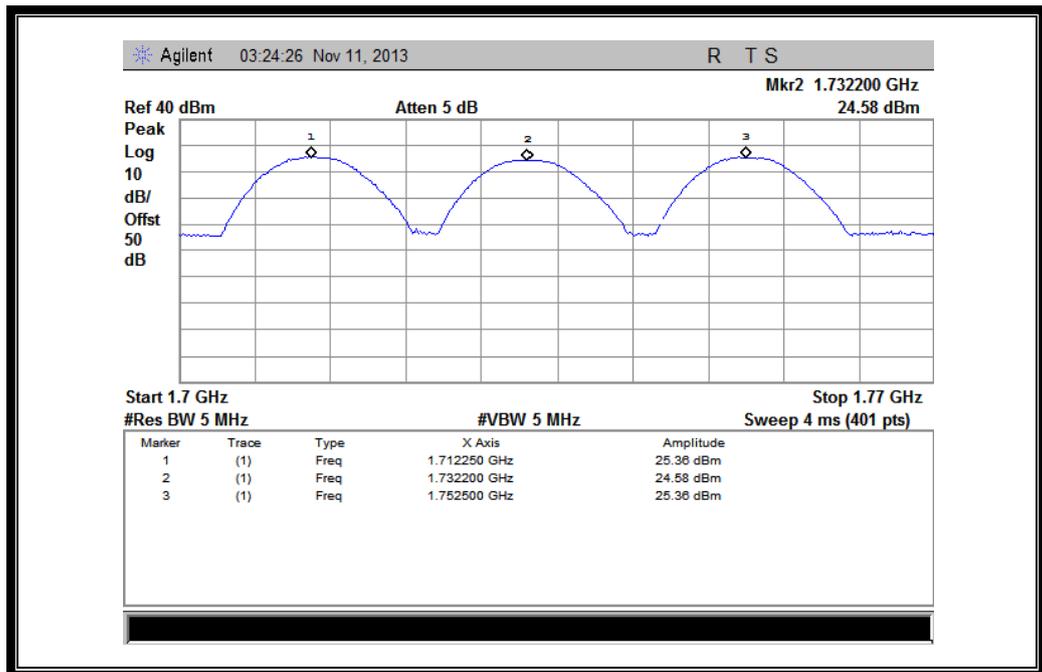
(Plot N: HSPA+1900 MHz Channel = 9262, 9400, 9538)



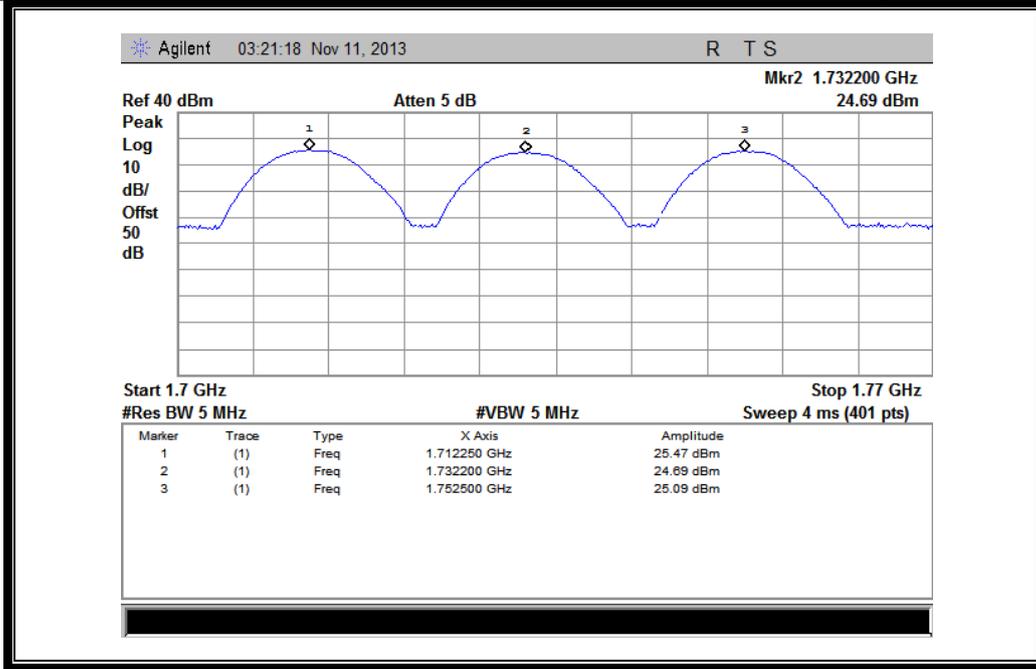
(Plot O: WCDMA 1700 MHz Channel = 1312, 1412, 1513)



(Plot P: HSDPA1700 MHz Channel = 1312, 1412, 1513)



(Plot Q: HSUPA1700 MHz Channel = 1312, 1412, 1513)



(Plot R: HSPA+1700 MHz 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	2013.05	2014.05
Spectrum Analyzer	Agilent	E7405A	US44210471	2013.05	2014.05
Full-Anechoic Chamber	Albatross	9m*6m*6m	(n.a.)	2013.05	2014.05
Test Antenna - Bi-Log	Schwarzbeck	VULB 9163	9163-274	2013.05	2014.05
Test Antenna - Horn	Schwarzbeck	BBHA 9120C	9120C-384	2013.05	2014.05
Substitution Antenna	Schwarzbeck	BBHA 9120C	9120C-384	2013.05	2014.05
Pre-AMPs	lucix	S10M100L3802	S020180L3203	2013.05	2014.05
Notch Filter	COM-MW	ZBSF-C836.5-25-X	NA	2013.05	2014.05
Notch Filter	COM-MW	ZBSF-C1747.5-75-X2	NA	2013.05	2014.05
Notch Filter	COM-MW	ZBSF-C1880-60-X2	NA	2013.05	2014.05

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:

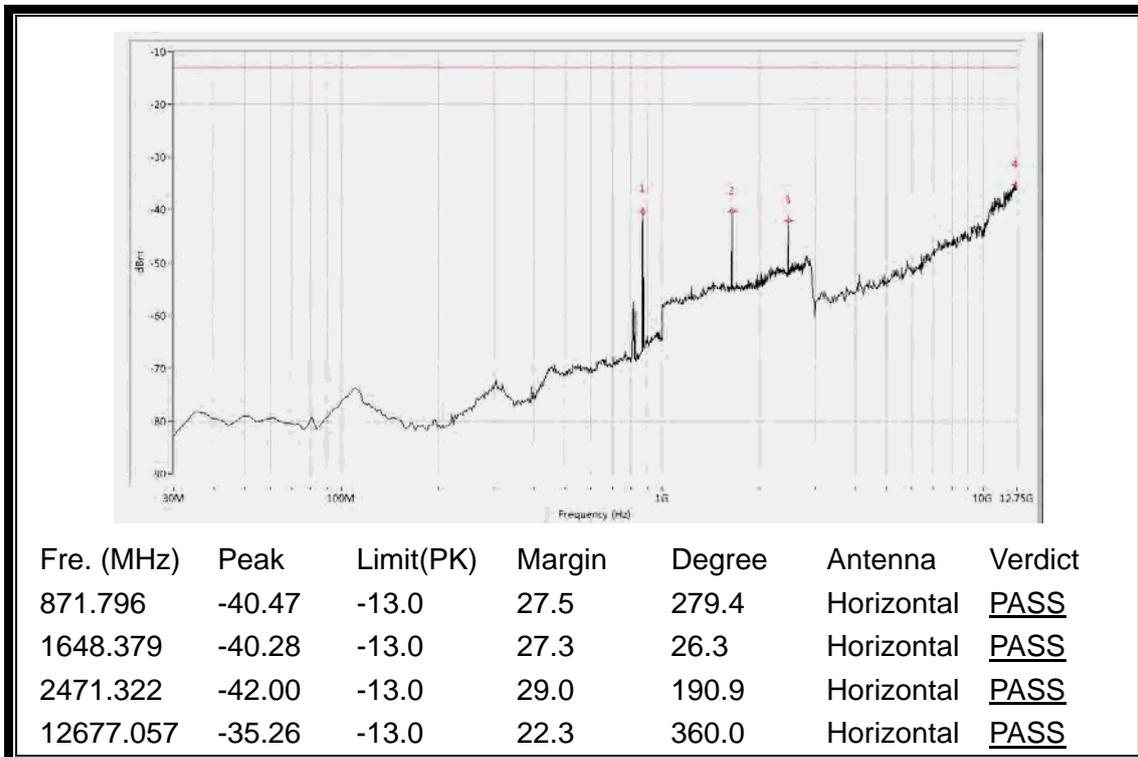
Band	Channel	Frequency (MHz)	Measured Max. Spurious Emission (dBm)		Refer to Plot	Limit (dBm)	Verdict
			Test Antenna Horizontal	Test Antenna Vertical			
GSM 850MHz	128	824.2	< -25	< -25	Plot A.1/A.2	-13	<u>PASS</u>
	190	836.6	< -25	< -25	Plot A.3/A.4		<u>PASS</u>
	251	848.8	< -25	< -25	Plot A.5/A.6		<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+	9662	1852.4	< -25	< -25	Plot L.1/L.2	-13	<u>PASS</u>

Band	Channel	Frequency (MHz)	Measured Max. Spurious Emission (dBm)		Refer to Plot	Limit (dBm)	Verdict
			Test Antenna Horizontal	Test Antenna Vertical			
1900MHz	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>
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>

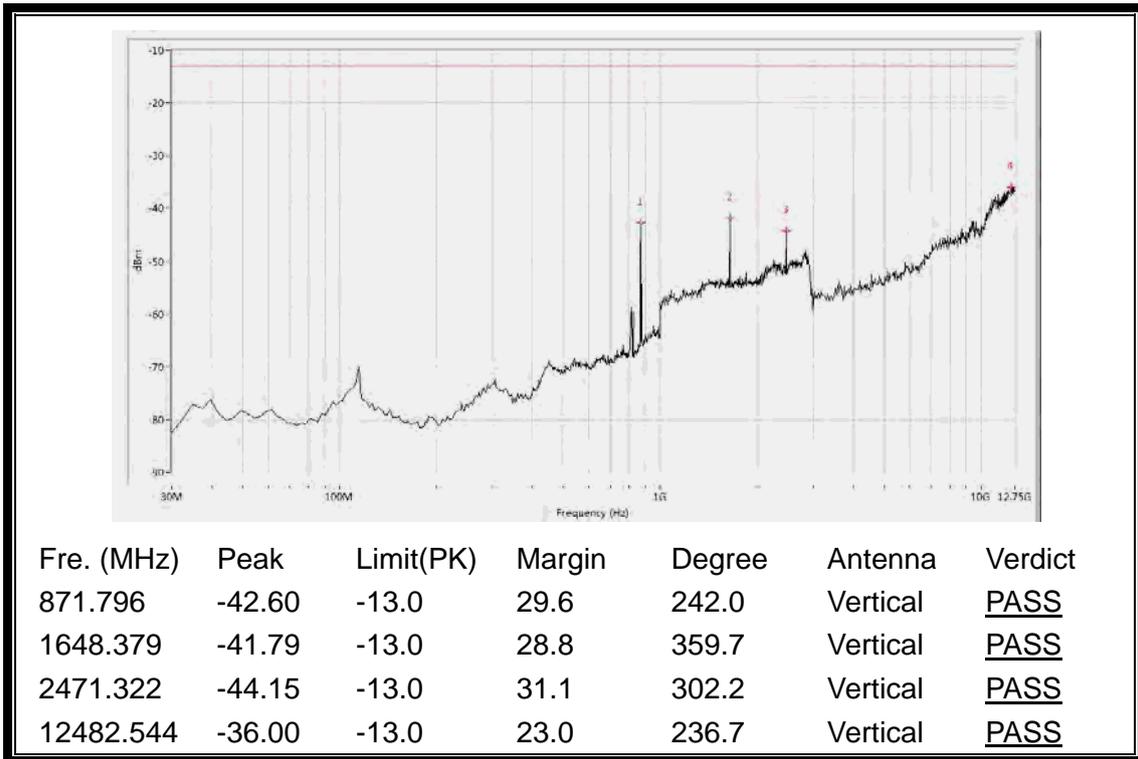
2. Test Plots for the Whole Measurement Frequency Range:

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

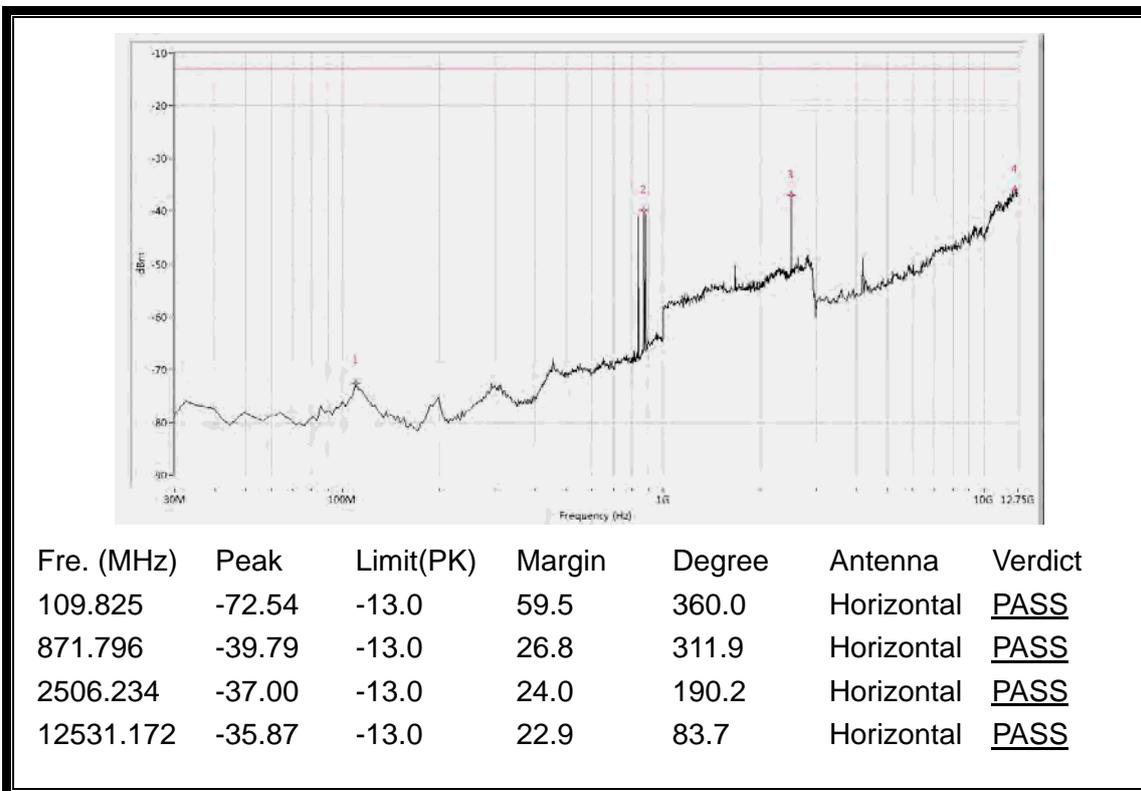
Note2: All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.



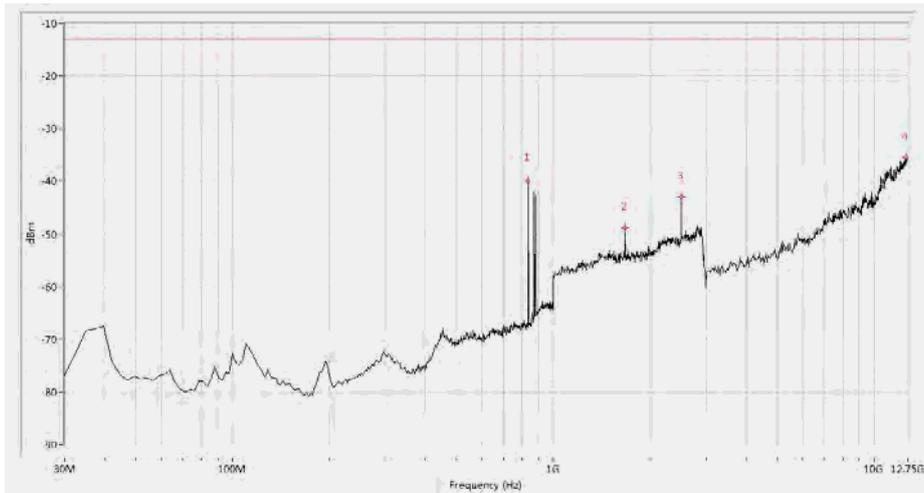
(Plot A.1: GSM 850MHz Channel = 128, Test Antenna Horizontal)



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

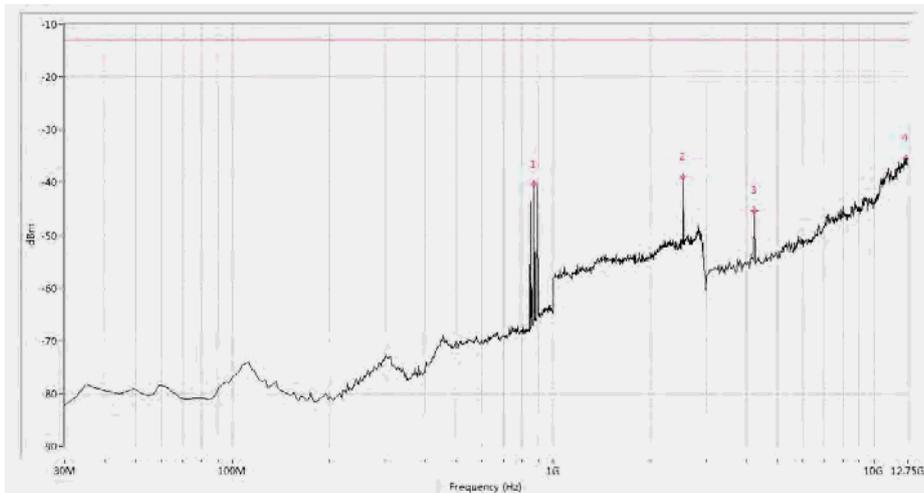


(Plot A.3: GSM 850MHz Channel = 190, Test Antenna Horizontal)



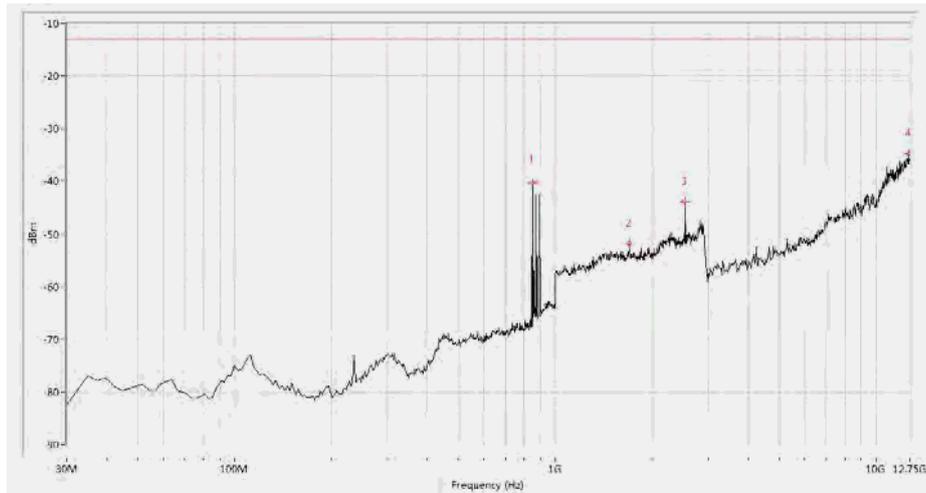
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
835.511	-39.88	-13.0	26.9	123.1	Vertical	<u>PASS</u>
1673.317	-48.87	-13.0	35.9	8.8	Vertical	<u>PASS</u>
2506.234	-42.90	-13.0	29.9	310.3	Vertical	<u>PASS</u>
12604.115	-35.54	-13.0	22.5	190.2	Vertical	<u>PASS</u>

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



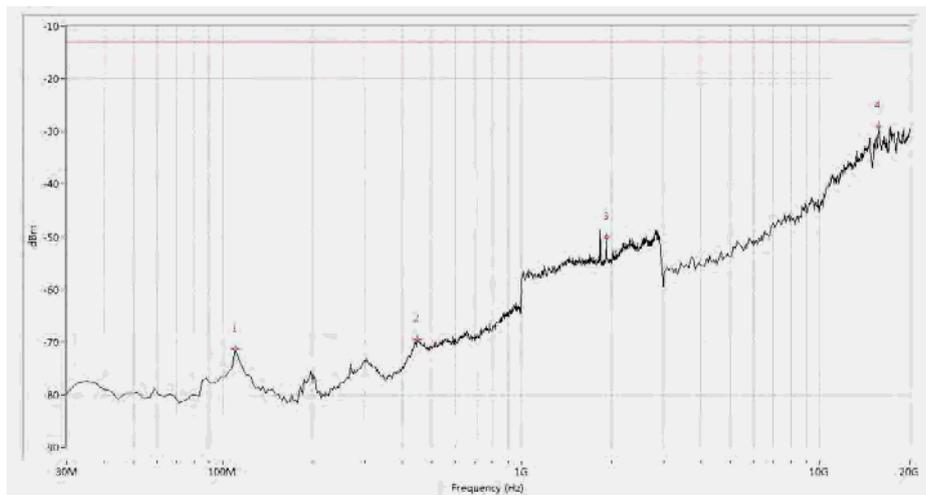
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
871.796	-40.34	-13.0	27.3	224.8	Horizontal	<u>PASS</u>
2541.147	-38.98	-13.0	26.0	163.4	Horizontal	<u>PASS</u>
4240.025	-45.27	-13.0	32.3	169.4	Horizontal	<u>PASS</u>
12579.800	-35.32	-13.0	22.3	140.0	Horizontal	<u>PASS</u>

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



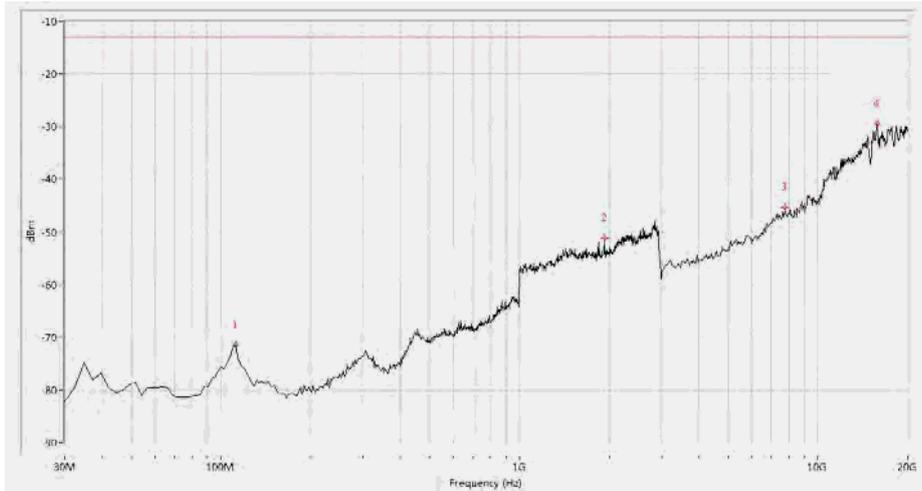
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
847.606	-40.28	-13.0	27.3	356.0	Vertical	<u>PASS</u>
1698.254	-51.81	-13.0	38.8	344.2	Vertical	<u>PASS</u>
2541.147	-43.86	-13.0	30.9	234.8	Vertical	<u>PASS</u>
12677.057	-34.72	-13.0	21.7	253.8	Vertical	<u>PASS</u>

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



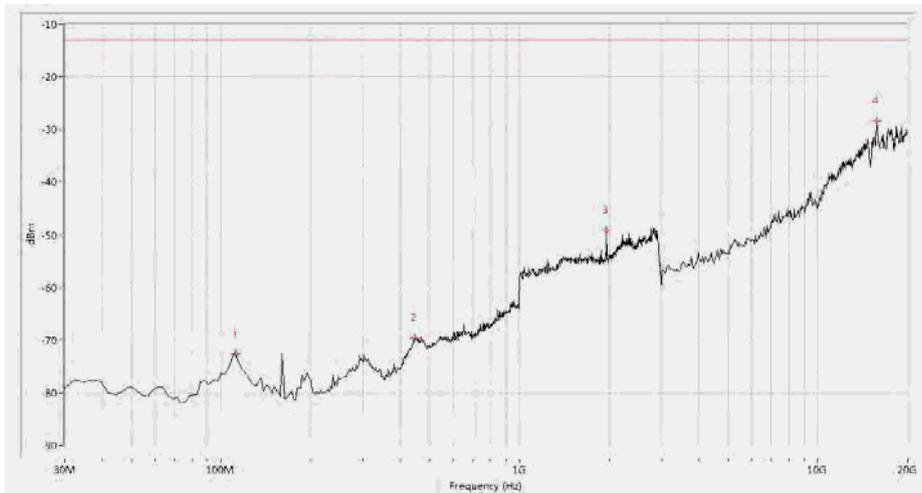
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-71.33	-13.0	58.3	250.5	Horizontal	<u>PASS</u>
448.479	-69.45	-13.0	56.5	0.7	Horizontal	<u>PASS</u>
1927.681	-50.04	-13.0	37.0	230.0	Horizontal	<u>PASS</u>
15760.599	-29.05	-13.0	16.1	121.3	Horizontal	<u>PASS</u>

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



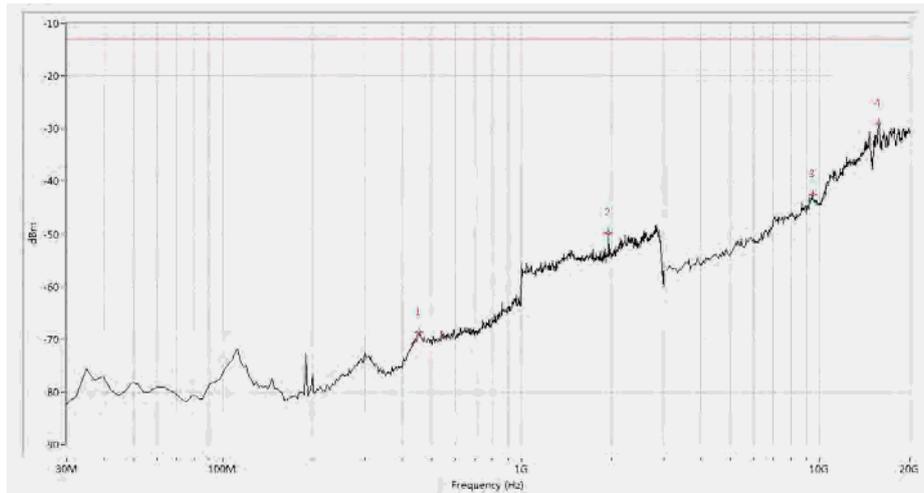
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-71.39	-13.0	58.4	233.0	Vertical	<u>PASS</u>
1927.681	-51.25	-13.0	38.3	244.9	Vertical	<u>PASS</u>
7748.130	-45.26	-13.0	32.3	62.5	Vertical	<u>PASS</u>
15802.993	-29.41	-13.0	16.4	356.2	Vertical	<u>PASS</u>

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



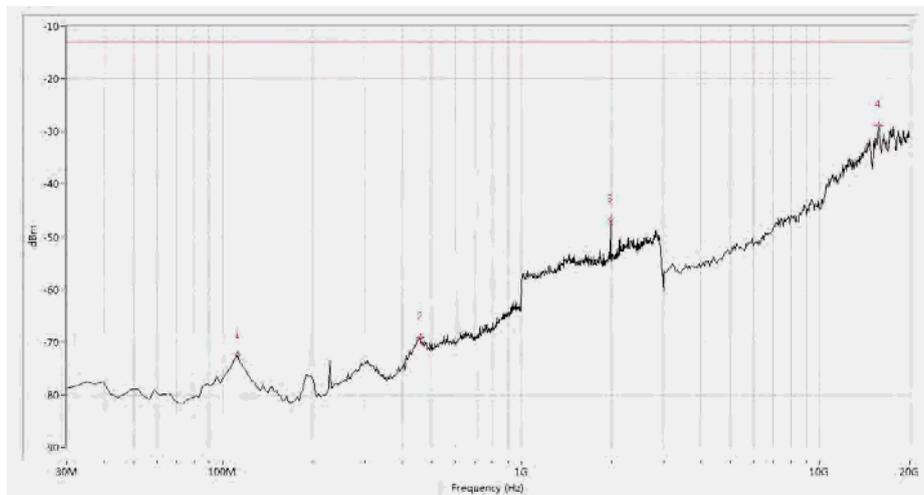
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-72.53	-13.0	59.5	170.5	Horizontal	<u>PASS</u>
443.641	-69.58	-13.0	56.6	261.3	Horizontal	<u>PASS</u>
1957.606	-49.13	-13.0	36.1	240.1	Horizontal	<u>PASS</u>
15760.599	-28.36	-13.0	15.4	353.1	Horizontal	<u>PASS</u>

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



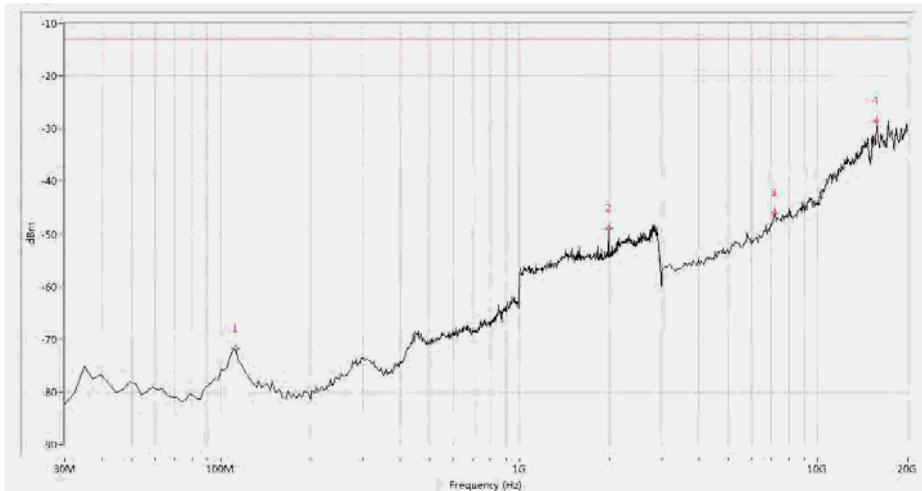
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
453.317	-68.61	-13.0	55.6	201.4	Vertical	<u>PASS</u>
1957.606	-49.82	-13.0	36.8	59.1	Vertical	<u>PASS</u>
9486.284	-42.52	-13.0	29.5	9.1	Vertical	<u>PASS</u>
15760.599	-28.98	-13.0	16.0	213.2	Vertical	<u>PASS</u>

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



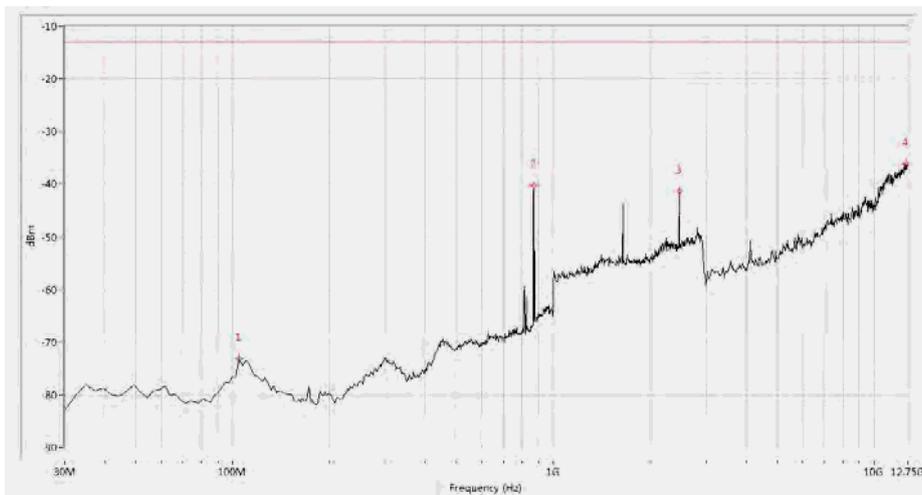
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-72.42	-13.0	59.4	-0.0	Horizontal	<u>PASS</u>
458.155	-69.07	-13.0	56.1	360.0	Horizontal	<u>PASS</u>
1987.531	-46.69	-13.0	33.7	237.9	Horizontal	<u>PASS</u>
15760.599	-28.90	-13.0	15.9	246.0	Horizontal	<u>PASS</u>

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



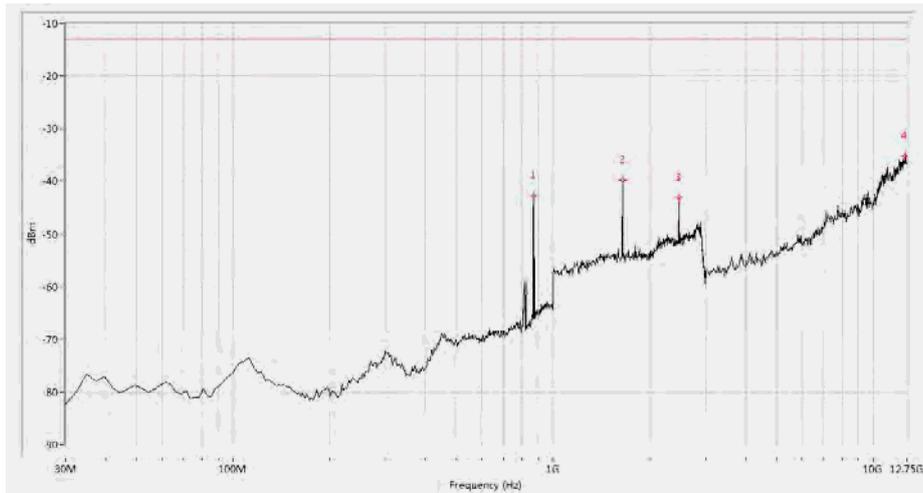
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-71.78	-13.0	58.8	228.2	Vertical	<u>PASS</u>
1987.531	-48.92	-13.0	35.9	21.6	Vertical	<u>PASS</u>
7154.613	-45.98	-13.0	33.0	336.1	Vertical	<u>PASS</u>
15760.599	-28.57	-13.0	15.6	213.6	Vertical	<u>PASS</u>

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



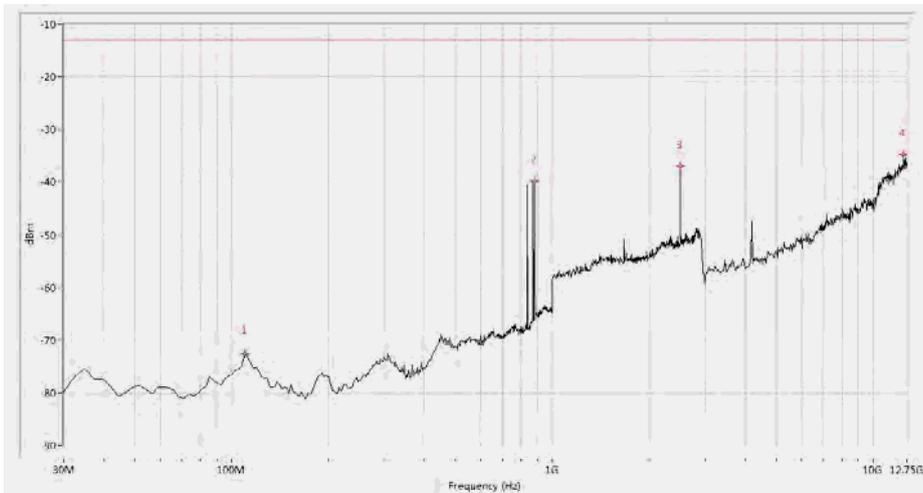
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
104.988	-73.07	-13.0	60.1	354.1	Horizontal	<u>PASS</u>
871.796	-40.30	-13.0	27.3	308.2	Horizontal	<u>PASS</u>
2471.322	-41.41	-13.0	28.4	177.2	Horizontal	<u>PASS</u>
12604.115	-36.12	-13.0	23.1	137.3	Horizontal	<u>PASS</u>

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



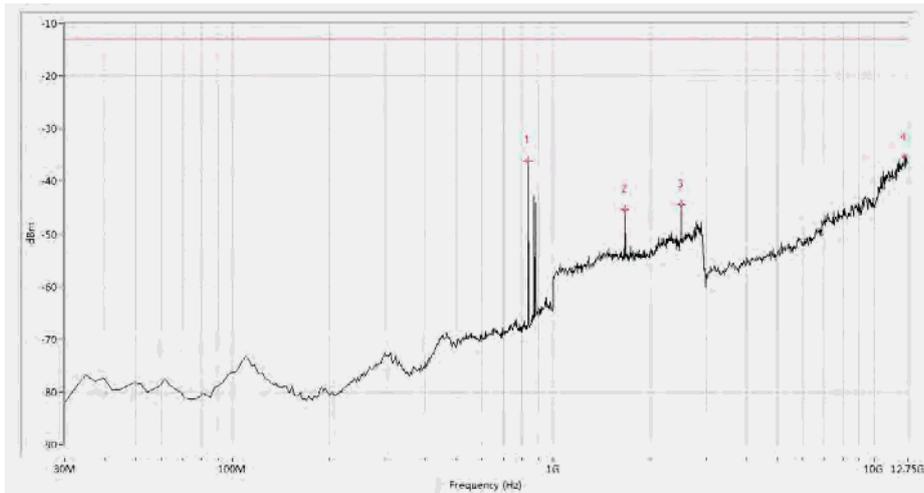
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
871.796	-42.72	-13.0	29.7	235.6	Vertical	<u>PASS</u>
1648.379	-39.83	-13.0	26.8	2.5	Vertical	<u>PASS</u>
2471.322	-43.04	-13.0	30.0	300.7	Vertical	<u>PASS</u>
12628.429	-35.17	-13.0	22.2	299.6	Vertical	<u>PASS</u>

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



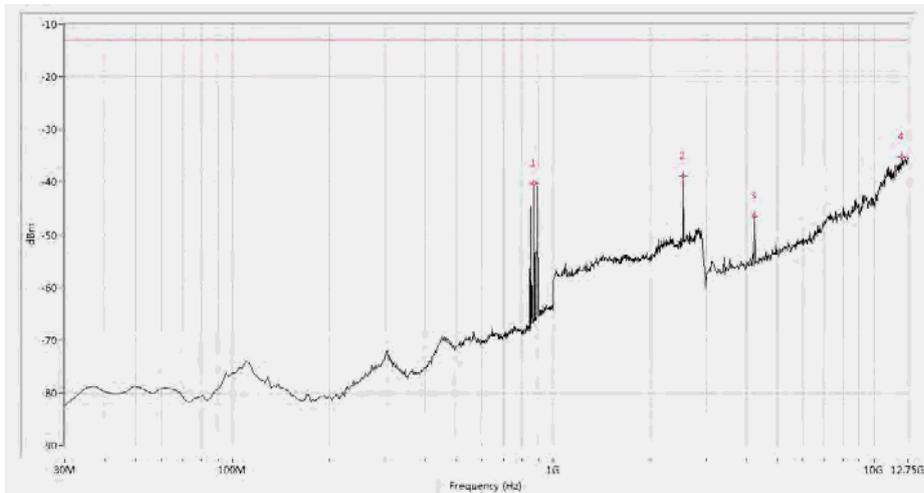
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-72.54	-13.0	59.5	360.0	Horizontal	<u>PASS</u>
879.052	-39.82	-13.0	26.8	231.8	Horizontal	<u>PASS</u>
2506.234	-36.99	-13.0	24.0	186.1	Horizontal	<u>PASS</u>
12433.915	-34.67	-13.0	21.7	87.9	Horizontal	<u>PASS</u>

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



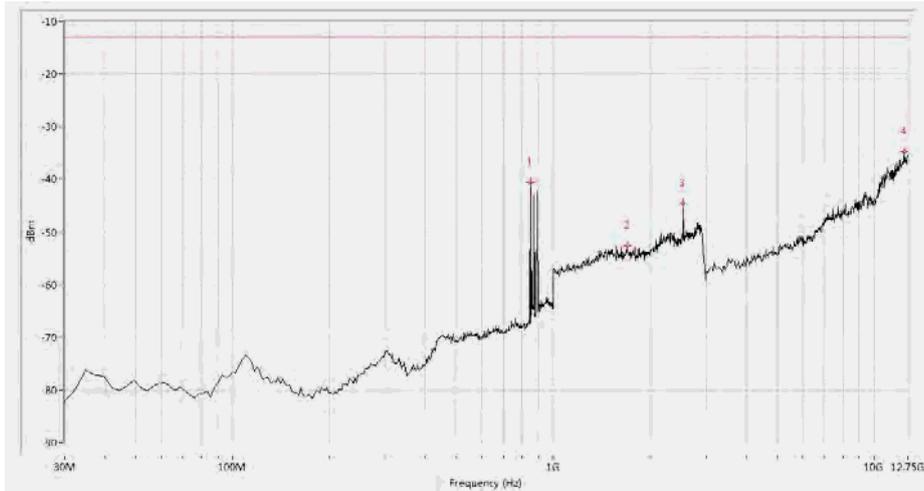
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
835.511	-36.07	-13.0	23.1	122.8	Vertical	<u>PASS</u>
1673.317	-45.32	-13.0	32.3	6.7	Vertical	<u>PASS</u>
2506.234	-44.31	-13.0	31.3	309.3	Vertical	<u>PASS</u>
12433.915	-35.33	-13.0	22.3	360.0	Vertical	<u>PASS</u>

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



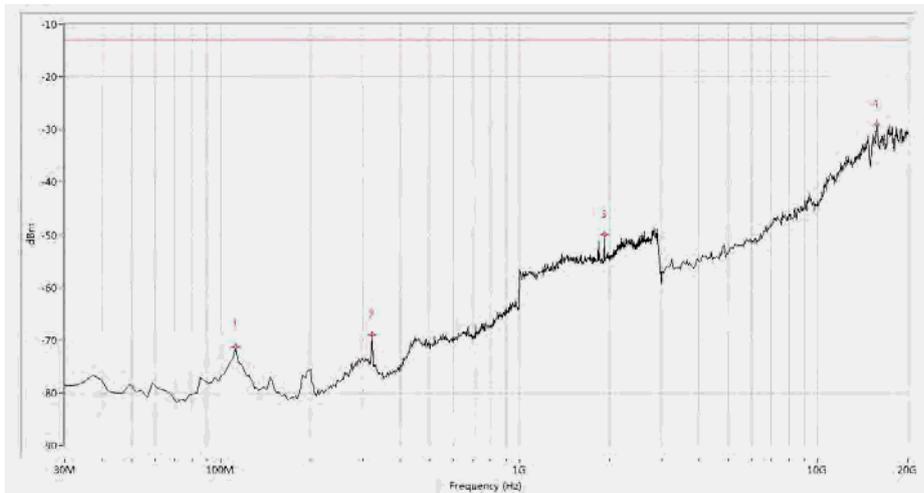
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
871.796	-40.23	-13.0	27.2	306.7	Horizontal	<u>PASS</u>
2541.147	-38.84	-13.0	25.8	178.2	Horizontal	<u>PASS</u>
4240.025	-46.46	-13.0	33.5	190.6	Horizontal	<u>PASS</u>
12215.087	-35.20	-13.0	22.2	125.8	Horizontal	<u>PASS</u>

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



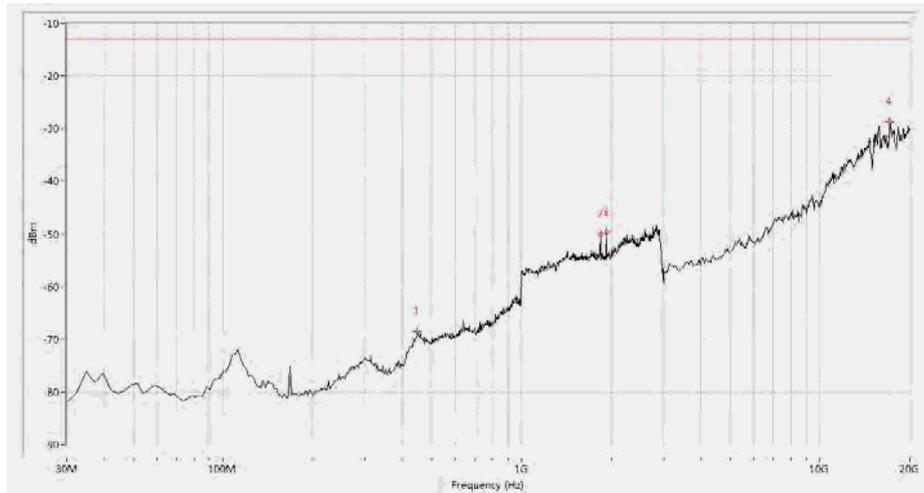
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
847.606	-40.54	-13.0	27.5	119.1	Vertical	<u>PASS</u>
1698.254	-52.59	-13.0	39.6	360.0	Vertical	<u>PASS</u>
2541.147	-44.54	-13.0	31.5	224.8	Vertical	<u>PASS</u>
12458.229	-34.72	-13.0	21.7	0.9	Vertical	<u>PASS</u>

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



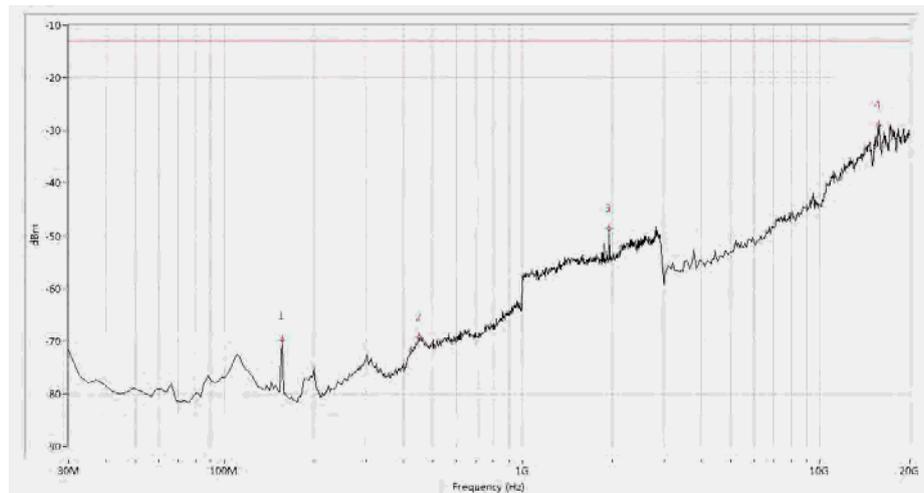
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-71.32	-13.0	58.3	279.5	Horizontal	<u>PASS</u>
320.274	-68.99	-13.0	56.0	333.1	Horizontal	<u>PASS</u>
1927.681	-49.98	-13.0	37.0	227.4	Horizontal	<u>PASS</u>
15760.599	-29.04	-13.0	16.0	42.8	Horizontal	<u>PASS</u>

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



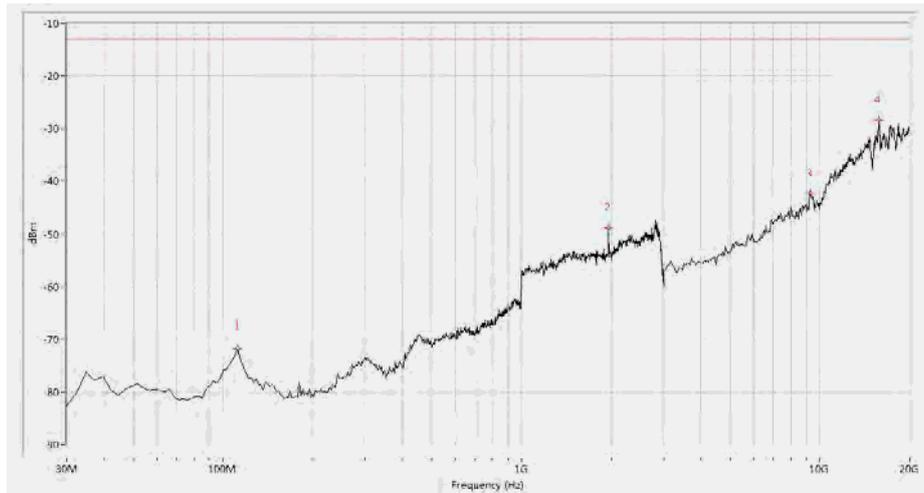
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
448.479	-68.53	-13.0	55.5	350.6	Vertical	<u>PASS</u>
1837.905	-50.03	-13.0	37.0	351.2	Vertical	<u>PASS</u>
1927.681	-49.62	-13.0	36.6	242.7	Vertical	<u>PASS</u>
17159.601	-28.75	-13.0	15.7	266.5	Vertical	<u>PASS</u>

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



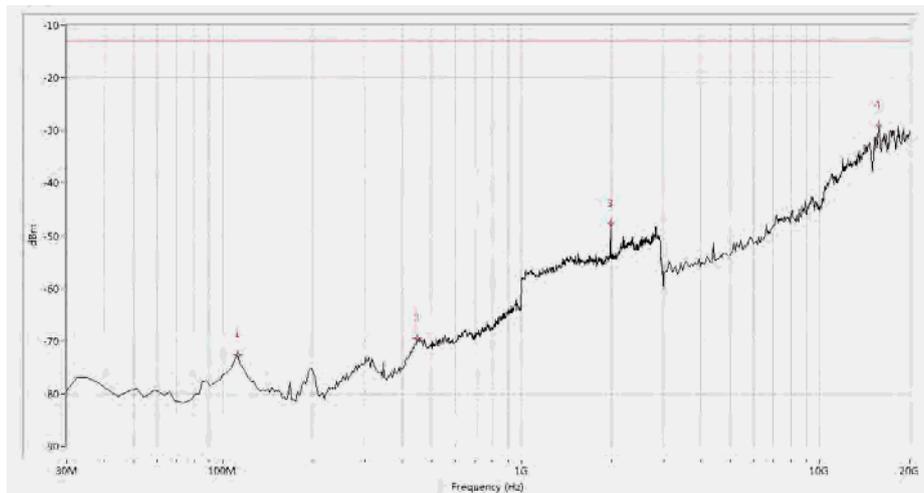
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
155.786	-69.69	-13.0	56.7	319.7	Horizontal	<u>PASS</u>
450.898	-69.28	-13.0	56.3	324.9	Horizontal	<u>PASS</u>
1957.606	-48.73	-13.0	35.7	236.7	Horizontal	<u>PASS</u>
15760.599	-28.96	-13.0	16.0	342.0	Horizontal	<u>PASS</u>

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



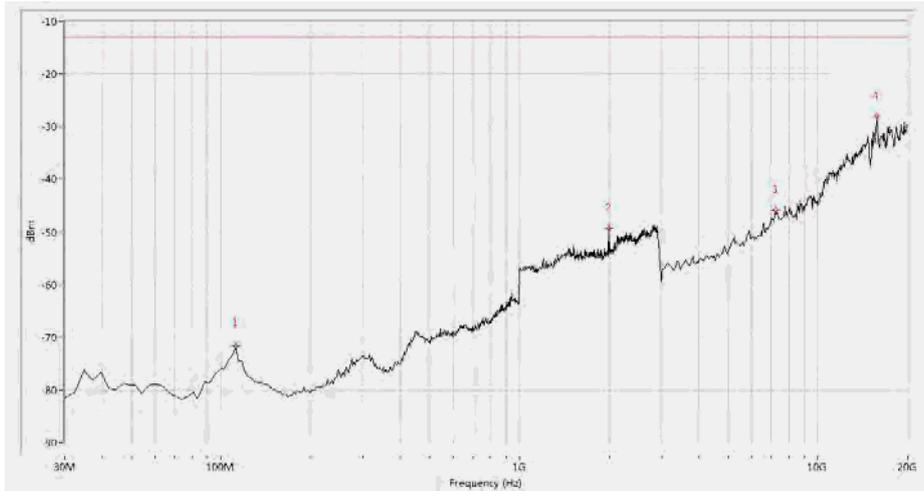
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-71.80	-13.0	58.8	109.5	Vertical	<u>PASS</u>
1957.606	-48.81	-13.0	35.8	63.7	Vertical	<u>PASS</u>
9274.314	-42.26	-13.0	29.3	211.8	Vertical	<u>PASS</u>
15760.599	-28.44	-13.0	15.4	69.5	Vertical	<u>PASS</u>

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



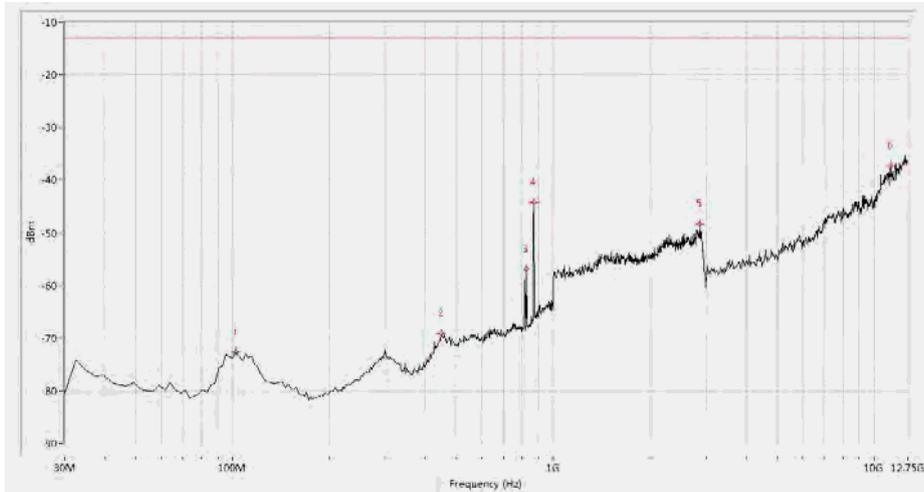
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-72.61	-13.0	59.6	126.2	Horizontal	<u>PASS</u>
446.060	-69.40	-13.0	56.4	109.8	Horizontal	<u>PASS</u>
1987.531	-47.66	-13.0	34.7	236.8	Horizontal	<u>PASS</u>
15760.599	-29.05	-13.0	16.0	137.7	Horizontal	<u>PASS</u>

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



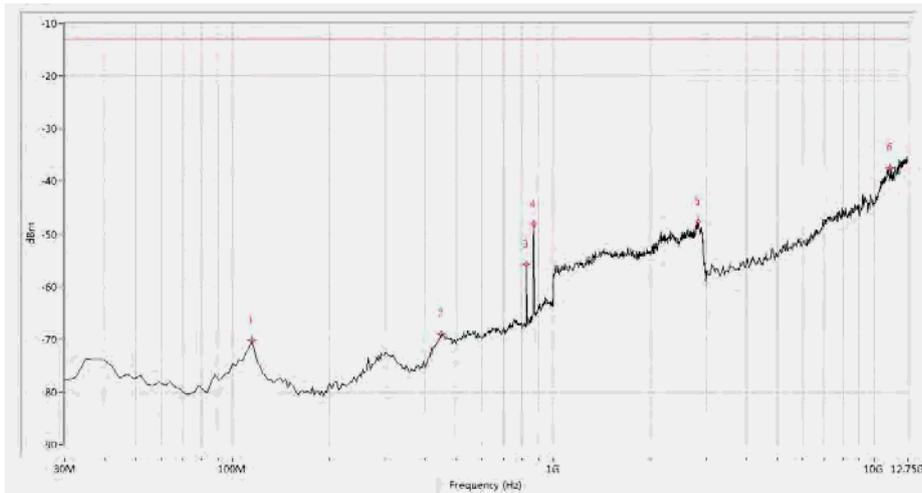
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-71.67	-13.0	58.7	23.9	Vertical	<u>PASS</u>
1987.531	-49.30	-13.0	36.3	146.6	Vertical	<u>PASS</u>
7197.007	-45.87	-13.0	32.9	191.4	Vertical	<u>PASS</u>
15760.599	-28.05	-13.0	15.1	63.7	Vertical	<u>PASS</u>

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



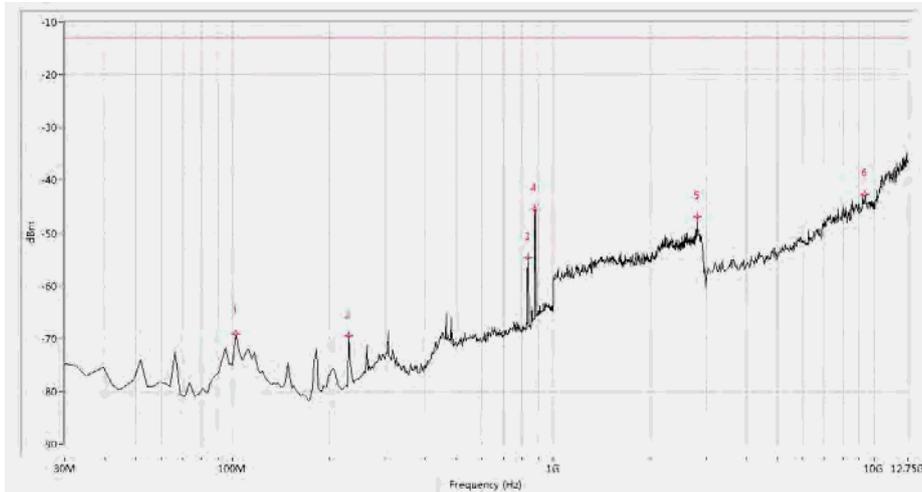
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
102.569	-72.54	-13.0	59.5	225.6	Horizontal	<u>PASS</u>
448.479	-69.14	-13.0	56.1	176.4	Horizontal	<u>PASS</u>
825.835	-56.90	-13.0	43.9	327.9	Horizontal	<u>PASS</u>
869.377	-44.29	-13.0	31.3	305.2	Horizontal	<u>PASS</u>
2870.324	-48.39	-13.0	35.4	259.8	Horizontal	<u>PASS</u>
11291.147	-37.24	-13.0	24.2	360.0	Horizontal	<u>PASS</u>

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



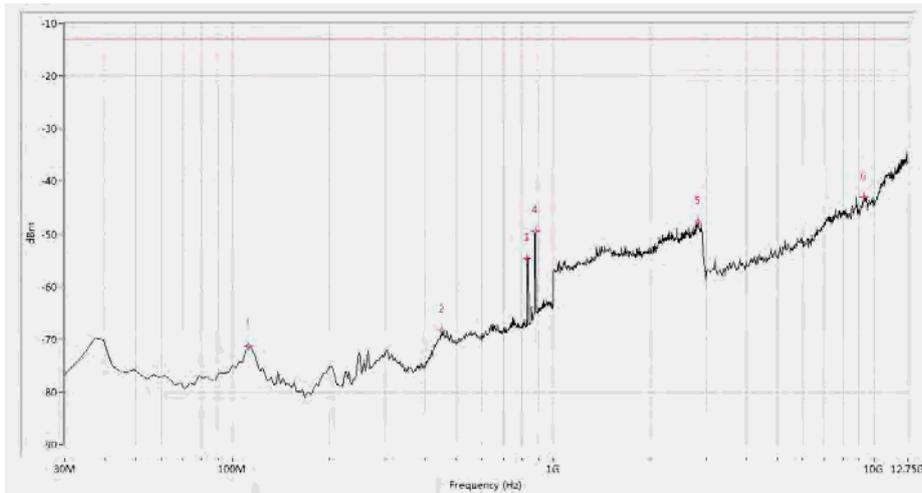
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
114.663	-70.17	-13.0	57.2	17.5	Vertical	<u>PASS</u>
448.479	-68.96	-13.0	56.0	43.9	Vertical	<u>PASS</u>
825.835	-55.72	-13.0	42.7	178.6	Vertical	<u>PASS</u>
869.377	-48.10	-13.0	35.1	17.5	Vertical	<u>PASS</u>
2830.424	-47.69	-13.0	34.7	293.6	Vertical	<u>PASS</u>
11242.519	-37.44	-13.0	24.4	153.7	Vertical	<u>PASS</u>

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



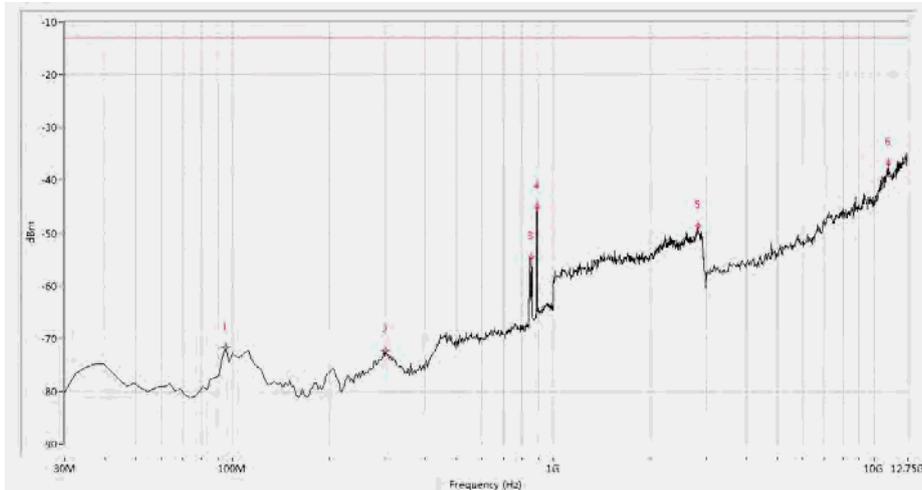
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
102.569	-69.15	-13.0	56.2	16.1	Horizontal	<u>PASS</u>
230.773	-69.45	-13.0	56.4	289.2	Horizontal	<u>PASS</u>
835.511	-54.60	-13.0	41.6	330.8	Horizontal	<u>PASS</u>
876.633	-45.41	-13.0	32.4	119.5	Horizontal	<u>PASS</u>
2810.474	-46.90	-13.0	33.9	111.6	Horizontal	<u>PASS</u>
9370.324	-42.71	-13.0	29.7	2.2	Horizontal	<u>PASS</u>

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



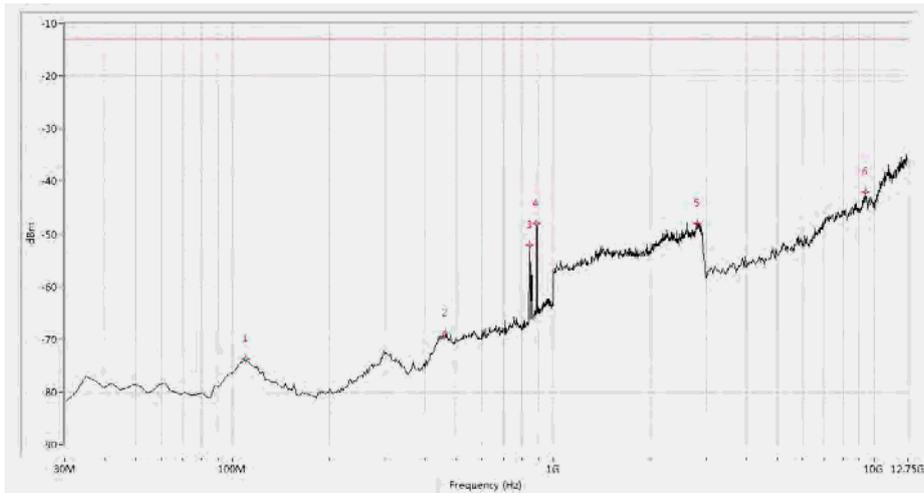
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-71.31	-13.0	58.3	140.3	Vertical	<u>PASS</u>
450.898	-68.31	-13.0	55.3	4.2	Vertical	<u>PASS</u>
830.673	-54.68	-13.0	41.7	227.0	Vertical	<u>PASS</u>
879.052	-49.47	-13.0	36.5	22.7	Vertical	<u>PASS</u>
2830.424	-47.63	-13.0	34.6	313.1	Vertical	<u>PASS</u>
9297.382	-42.98	-13.0	30.0	162.3	Vertical	<u>PASS</u>

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



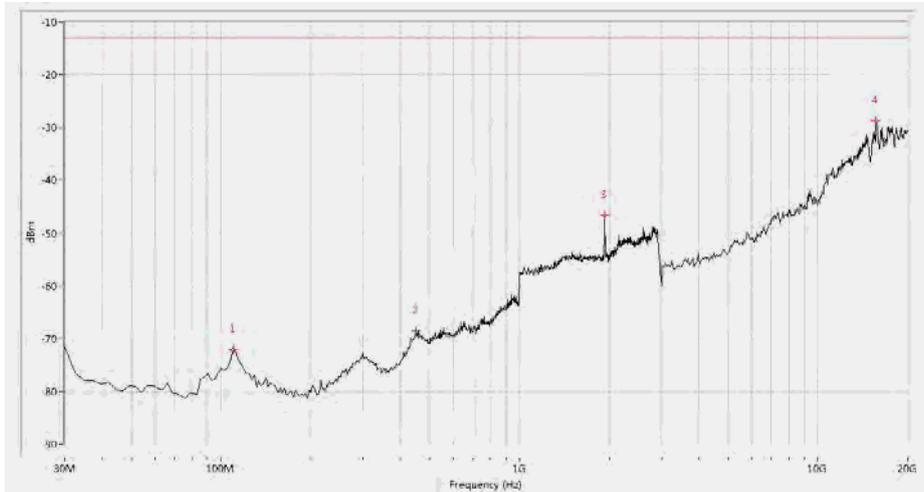
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
95.312	-71.63	-13.0	58.6	291.8	Horizontal	<u>PASS</u>
300.923	-72.27	-13.0	59.3	67.0	Horizontal	<u>PASS</u>
854.863	-54.48	-13.0	41.5	87.1	Horizontal	<u>PASS</u>
891.147	-45.03	-13.0	32.0	19.0	Horizontal	<u>PASS</u>
2825.436	-48.63	-13.0	35.6	360.0	Horizontal	<u>PASS</u>
11072.319	-36.84	-13.0	23.8	299.2	Horizontal	<u>PASS</u>

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



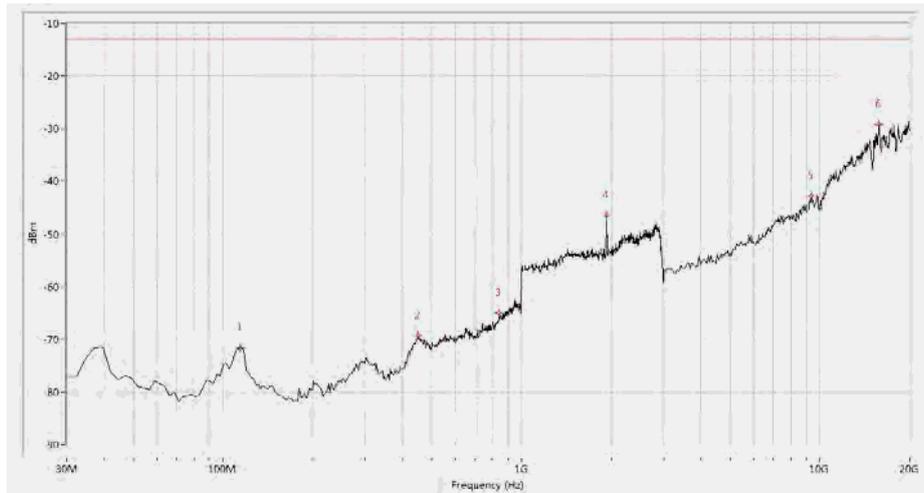
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-73.62	-13.0	60.6	276.1	Vertical	<u>PASS</u>
460.574	-68.77	-13.0	55.8	159.3	Vertical	<u>PASS</u>
845.187	-52.16	-13.0	39.2	237.8	Vertical	<u>PASS</u>
888.728	-48.03	-13.0	35.0	266.0	Vertical	<u>PASS</u>
2810.474	-48.01	-13.0	35.0	278.0	Vertical	<u>PASS</u>
9443.267	-41.92	-13.0	28.9	64.4	Vertical	<u>PASS</u>

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



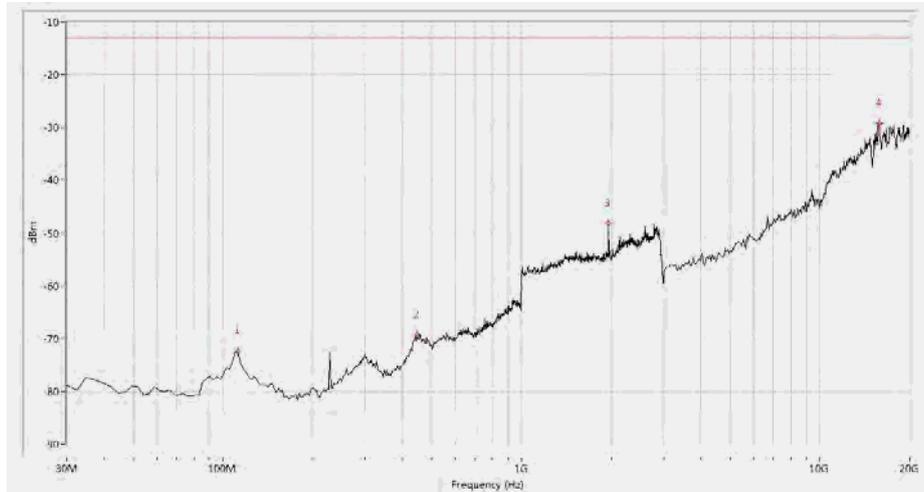
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-72.17	-13.0	59.2	228.2	Horizontal	<u>PASS</u>
450.898	-68.52	-13.0	55.5	222.6	Horizontal	<u>PASS</u>
1932.668	-46.55	-13.0	33.6	231.9	Horizontal	<u>PASS</u>
15675.810	-28.67	-13.0	15.7	360.0	Horizontal	<u>PASS</u>

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



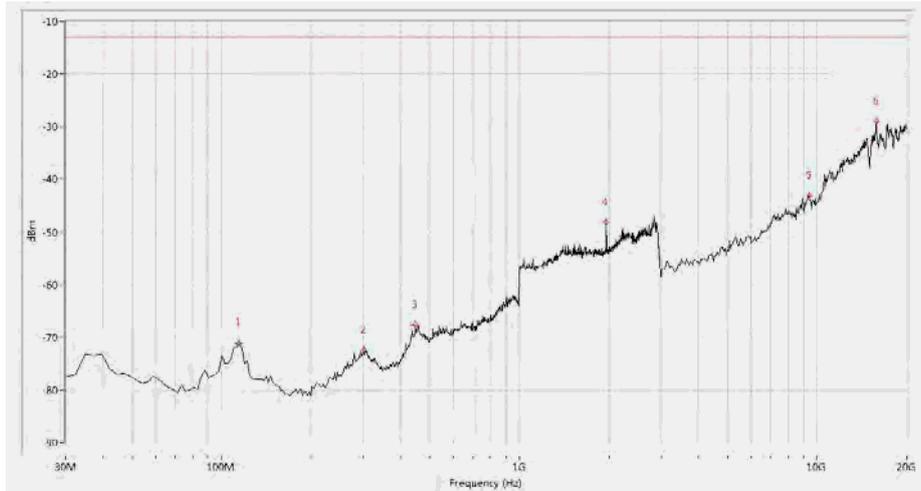
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
114.663	-71.58	-13.0	58.6	37.6	Vertical	<u>PASS</u>
450.898	-69.32	-13.0	56.3	132.1	Vertical	<u>PASS</u>
840.349	-64.90	-13.0	51.9	241.2	Vertical	<u>PASS</u>
1932.668	-46.50	-13.0	33.5	360.0	Vertical	<u>PASS</u>
9359.102	-42.82	-13.0	29.8	311.2	Vertical	<u>PASS</u>
15760.599	-29.18	-13.0	16.2	-0.0	Vertical	<u>PASS</u>

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



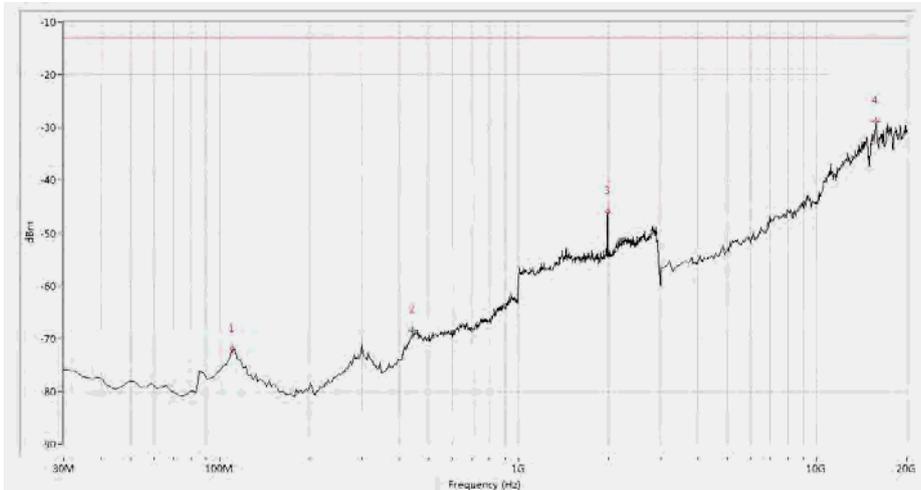
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-72.34	-13.0	59.3	24.9	Horizontal	<u>PASS</u>
446.060	-69.29	-13.0	56.3	359.3	Horizontal	<u>PASS</u>
1957.606	-48.16	-13.0	35.2	182.8	Horizontal	<u>PASS</u>
15802.993	-29.21	-13.0	16.2	-0.0	Horizontal	<u>PASS</u>

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



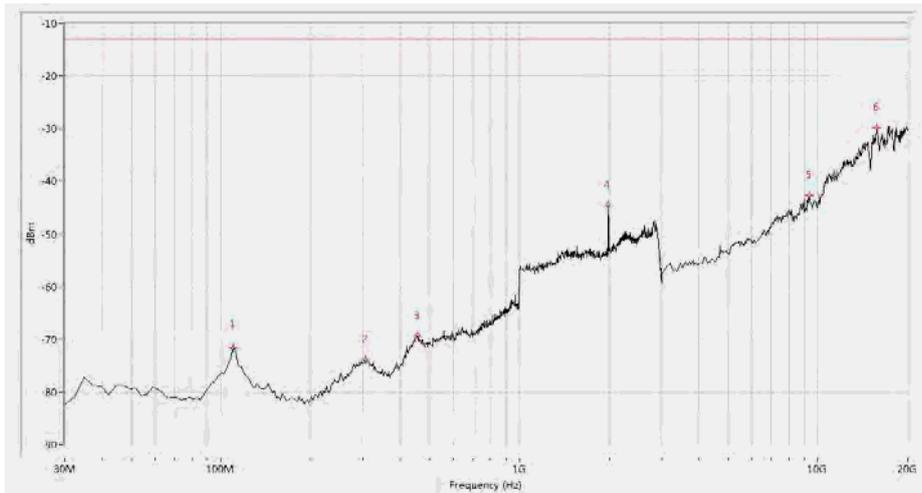
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
114.663	-71.13	-13.0	58.1	284.7	Vertical	<u>PASS</u>
300.923	-72.40	-13.0	59.4	118.4	Vertical	<u>PASS</u>
448.479	-67.62	-13.0	54.6	279.5	Vertical	<u>PASS</u>
1957.606	-48.16	-13.0	35.2	55.8	Vertical	<u>PASS</u>
9401.496	-43.08	-13.0	30.1	189.5	Vertical	<u>PASS</u>
15802.993	-29.04	-13.0	16.0	247.9	Vertical	<u>PASS</u>

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



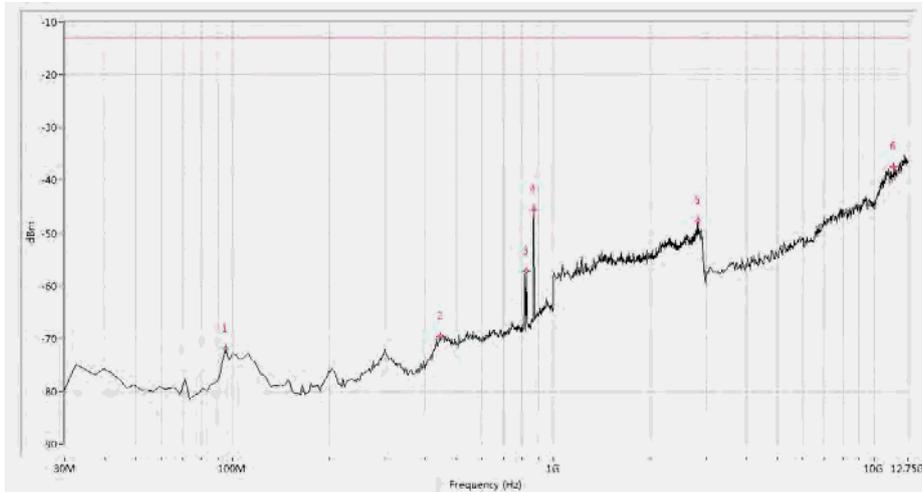
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-71.97	-13.0	59.0	142.9	Horizontal	<u>PASS</u>
441.222	-68.42	-13.0	55.4	229.6	Horizontal	<u>PASS</u>
1987.531	-45.93	-13.0	32.9	265.0	Horizontal	<u>PASS</u>
15760.599	-28.85	-13.0	15.9	104.9	Horizontal	<u>PASS</u>

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



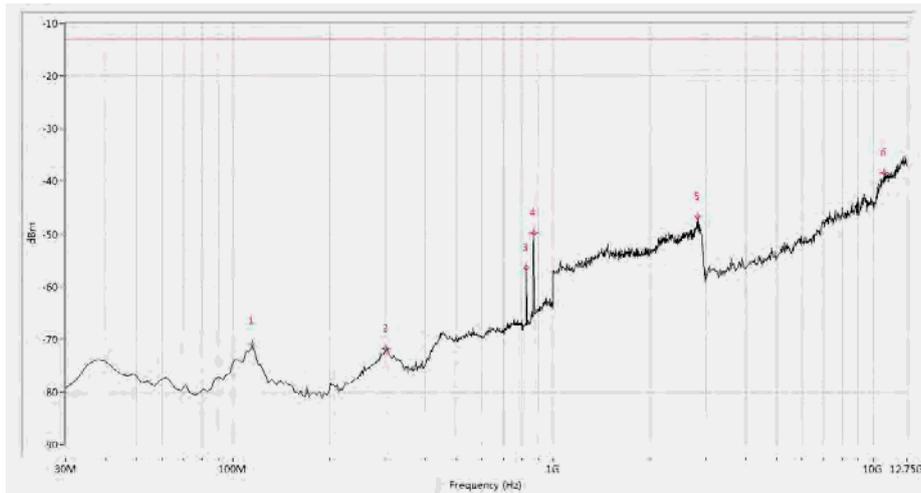
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-71.60	-13.0	58.6	282.1	Vertical	<u>PASS</u>
305.761	-73.77	-13.0	60.8	183.1	Vertical	<u>PASS</u>
455.736	-69.18	-13.0	56.2	282.1	Vertical	<u>PASS</u>
1982.544	-44.55	-13.0	31.5	269.4	Vertical	<u>PASS</u>
9359.102	-42.71	-13.0	29.7	356.6	Vertical	<u>PASS</u>
15760.599	-29.83	-13.0	16.8	126.9	Vertical	<u>PASS</u>

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



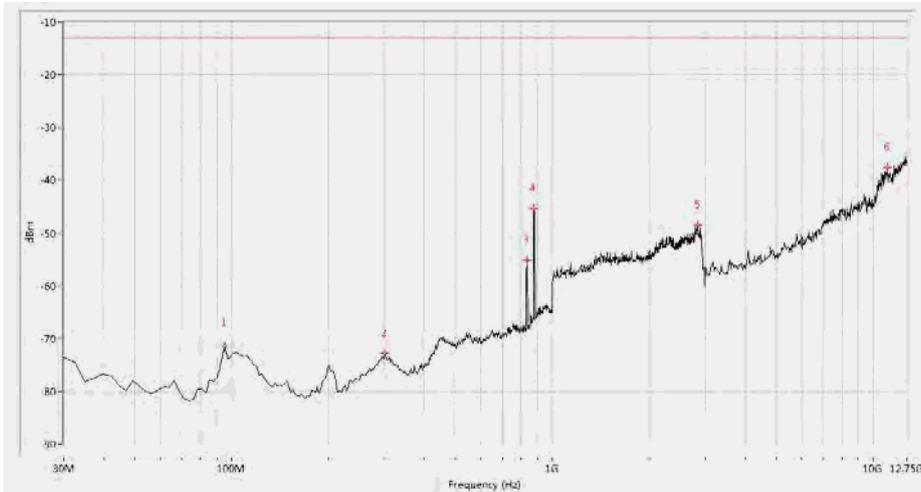
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
95.312	-71.96	-13.0	59.0	230.8	Horizontal	<u>PASS</u>
443.641	-69.50	-13.0	56.5	236.0	Horizontal	<u>PASS</u>
825.835	-57.18	-13.0	44.2	317.5	Horizontal	<u>PASS</u>
869.377	-45.52	-13.0	32.5	302.2	Horizontal	<u>PASS</u>
2825.436	-47.65	-13.0	34.6	3.5	Horizontal	<u>PASS</u>
11534.289	-37.41	-13.0	24.4	359.6	Horizontal	<u>PASS</u>

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



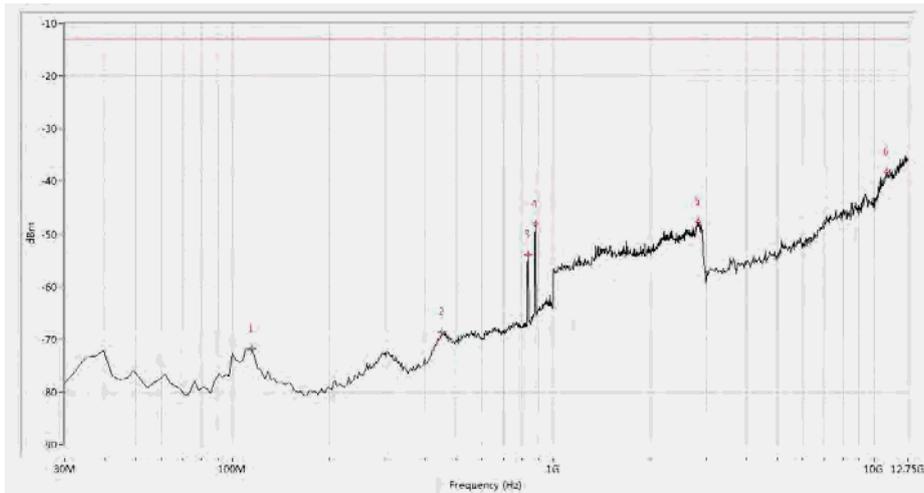
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
114.663	-70.94	-13.0	57.9	-0.0	Vertical	<u>PASS</u>
300.923	-71.74	-13.0	58.7	48.1	Vertical	<u>PASS</u>
825.835	-56.46	-13.0	43.5	360.0	Vertical	<u>PASS</u>
869.377	-49.70	-13.0	36.7	223.3	Vertical	<u>PASS</u>
2835.411	-46.78	-13.0	33.8	360.0	Vertical	<u>PASS</u>
10853.491	-38.39	-13.0	25.4	359.6	Vertical	<u>PASS</u>

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



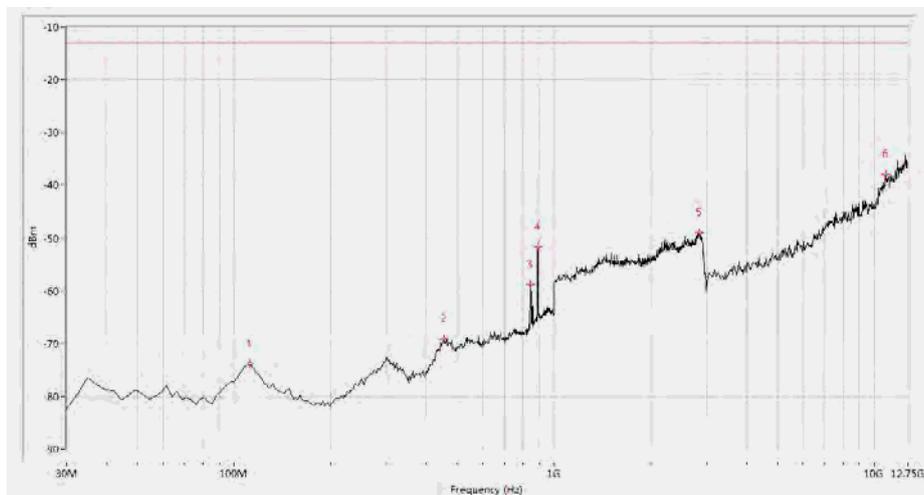
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
95.312	-71.45	-13.0	58.5	283.6	Horizontal	<u>PASS</u>
300.923	-72.74	-13.0	59.7	312.2	Horizontal	<u>PASS</u>
833.092	-55.14	-13.0	42.1	312.2	Horizontal	<u>PASS</u>
876.633	-45.32	-13.0	32.3	273.5	Horizontal	<u>PASS</u>
2840.399	-48.52	-13.0	35.5	287.7	Horizontal	<u>PASS</u>
11072.319	-37.63	-13.0	24.6	208.4	Horizontal	<u>PASS</u>

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



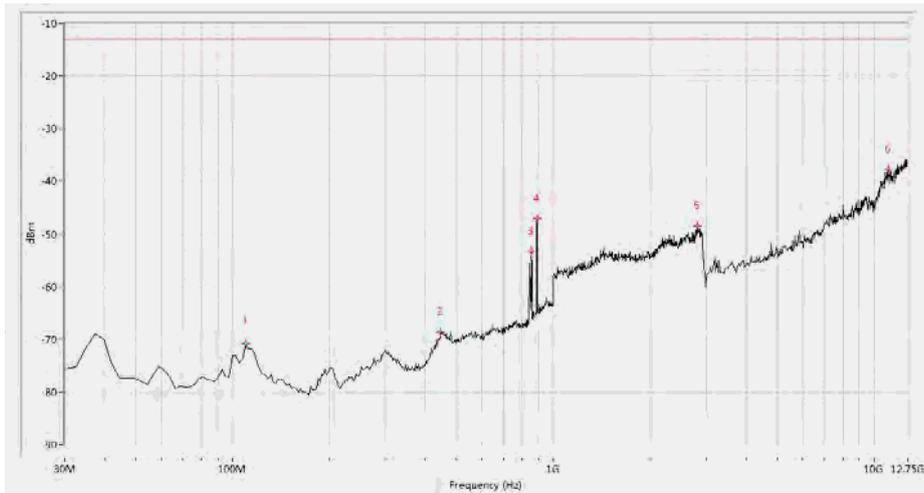
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
114.663	-71.82	-13.0	58.8	161.6	Vertical	<u>PASS</u>
450.898	-68.67	-13.0	55.7	358.0	Vertical	<u>PASS</u>
835.511	-53.96	-13.0	41.0	234.5	Vertical	<u>PASS</u>
879.052	-48.19	-13.0	35.2	26.5	Vertical	<u>PASS</u>
2835.411	-47.66	-13.0	34.7	207.7	Vertical	<u>PASS</u>
10975.062	-38.16	-13.0	25.2	18.3	Vertical	<u>PASS</u>

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



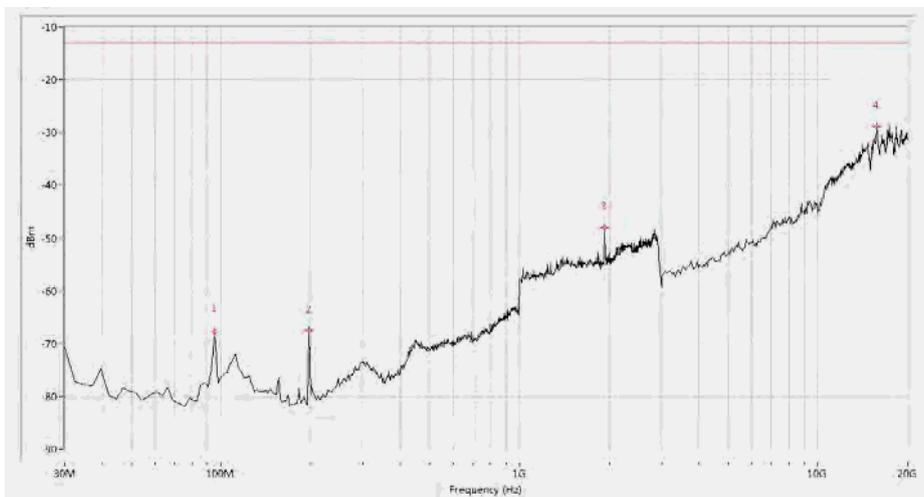
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-73.82	-13.0	60.8	213.3	Horizontal	<u>PASS</u>
453.317	-69.08	-13.0	56.1	360.0	Horizontal	<u>PASS</u>
845.187	-58.77	-13.0	45.8	1.7	Horizontal	<u>PASS</u>
891.147	-51.65	-13.0	38.6	298.8	Horizontal	<u>PASS</u>
2845.387	-49.05	-13.0	36.0	343.2	Horizontal	<u>PASS</u>
10877.805	-37.89	-13.0	24.9	50.3	Horizontal	<u>PASS</u>

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



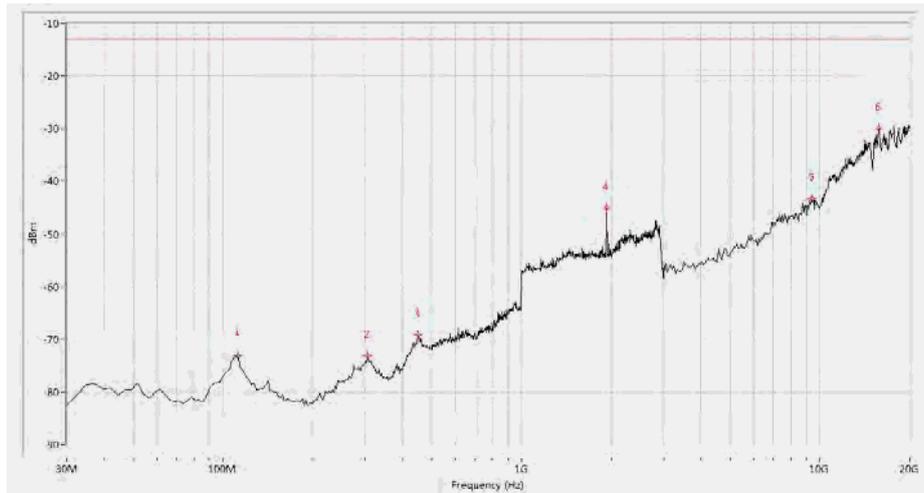
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-70.81	-13.0	57.8	221.4	Vertical	<u>PASS</u>
446.060	-68.56	-13.0	55.6	357.4	Vertical	<u>PASS</u>
854.863	-53.31	-13.0	40.3	125.9	Vertical	<u>PASS</u>
891.147	-47.06	-13.0	34.1	21.3	Vertical	<u>PASS</u>
2805.486	-48.53	-13.0	35.5	360.0	Vertical	<u>PASS</u>
11120.948	-37.68	-13.0	24.7	32.4	Vertical	<u>PASS</u>

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



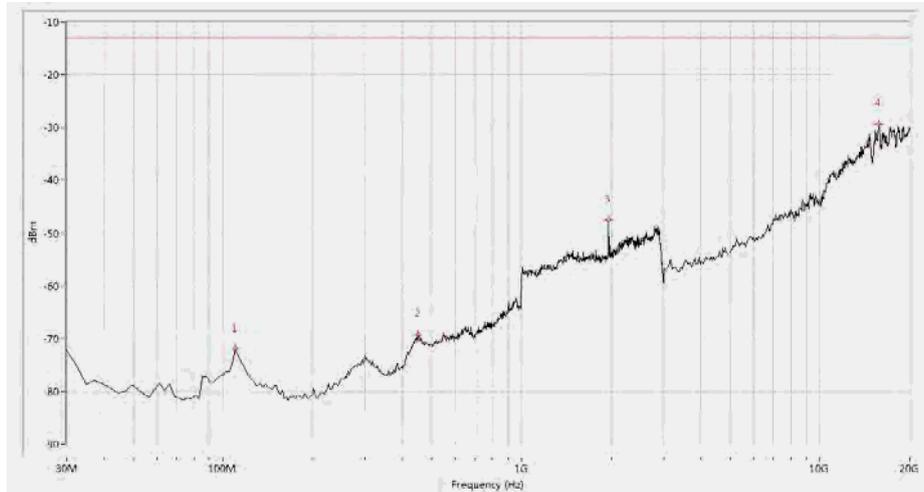
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
95.312	-67.83	-13.0	54.8	218.5	Horizontal	<u>PASS</u>
196.908	-67.54	-13.0	54.5	224.1	Horizontal	<u>PASS</u>
1932.668	-48.05	-13.0	35.0	227.0	Horizontal	<u>PASS</u>
15760.599	-28.87	-13.0	15.9	223.3	Horizontal	<u>PASS</u>

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



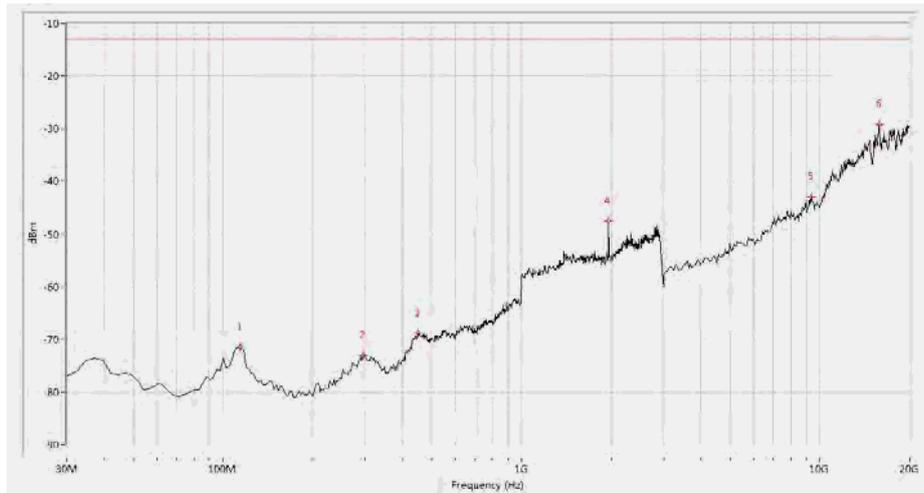
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-73.09	-13.0	60.1	96.1	Vertical	<u>PASS</u>
305.761	-73.12	-13.0	60.1	281.0	Vertical	<u>PASS</u>
450.898	-69.17	-13.0	56.2	360.0	Vertical	<u>PASS</u>
1932.668	-45.08	-13.0	32.1	350.9	Vertical	<u>PASS</u>
9443.890	-43.34	-13.0	30.3	304.8	Vertical	<u>PASS</u>
15760.599	-29.94	-13.0	16.9	105.7	Vertical	<u>PASS</u>

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



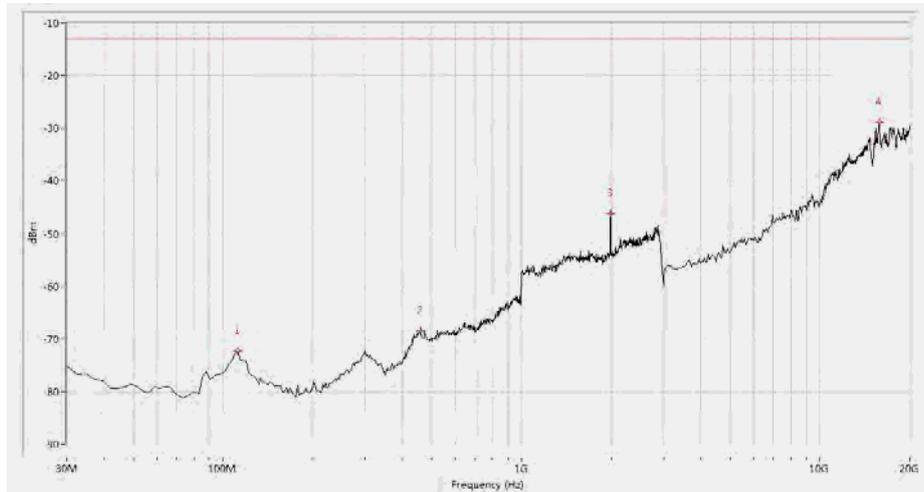
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-71.94	-13.0	58.9	37.7	Horizontal	<u>PASS</u>
450.898	-69.17	-13.0	56.2	255.7	Horizontal	<u>PASS</u>
1957.606	-47.49	-13.0	34.5	194.3	Horizontal	<u>PASS</u>
15760.599	-29.30	-13.0	16.3	227.5	Horizontal	<u>PASS</u>

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



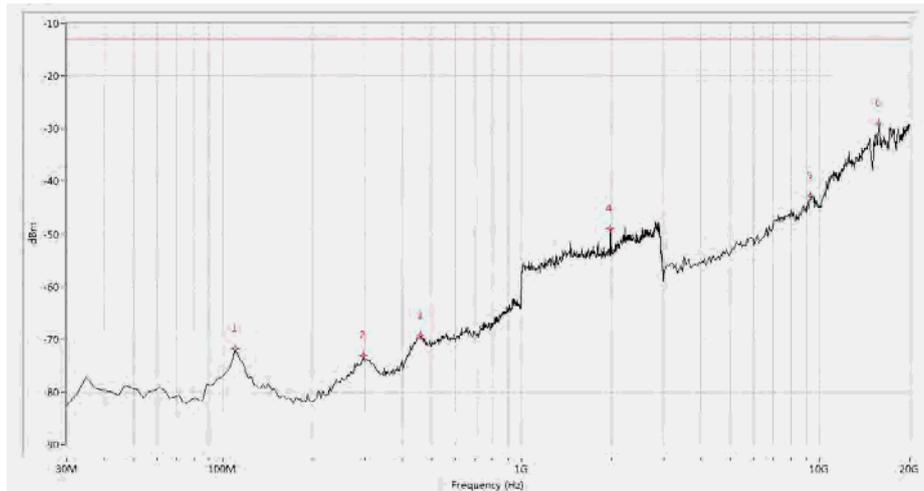
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
114.663	-71.39	-13.0	58.4	166.0	Vertical	<u>PASS</u>
296.085	-73.06	-13.0	60.1	192.4	Vertical	<u>PASS</u>
450.898	-68.73	-13.0	55.7	203.2	Vertical	<u>PASS</u>
1957.606	-47.51	-13.0	34.5	267.7	Vertical	<u>PASS</u>
9359.102	-42.97	-13.0	30.0	332.8	Vertical	<u>PASS</u>
15802.993	-29.24	-13.0	16.2	360.0	Vertical	<u>PASS</u>

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



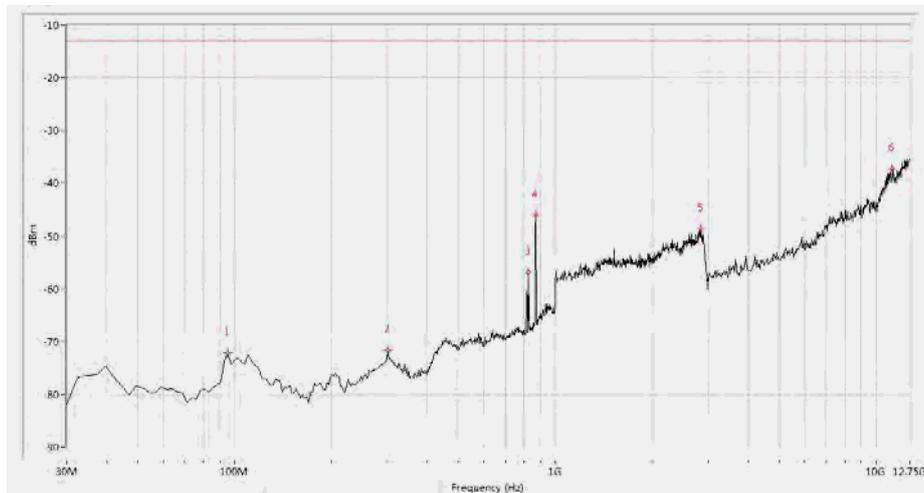
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-72.18	-13.0	59.2	228.2	Horizontal	<u>PASS</u>
460.574	-68.42	-13.0	55.4	271.4	Horizontal	<u>PASS</u>
1987.531	-46.10	-13.0	33.1	237.9	Horizontal	<u>PASS</u>
15802.993	-28.81	-13.0	15.8	171.6	Horizontal	<u>PASS</u>

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



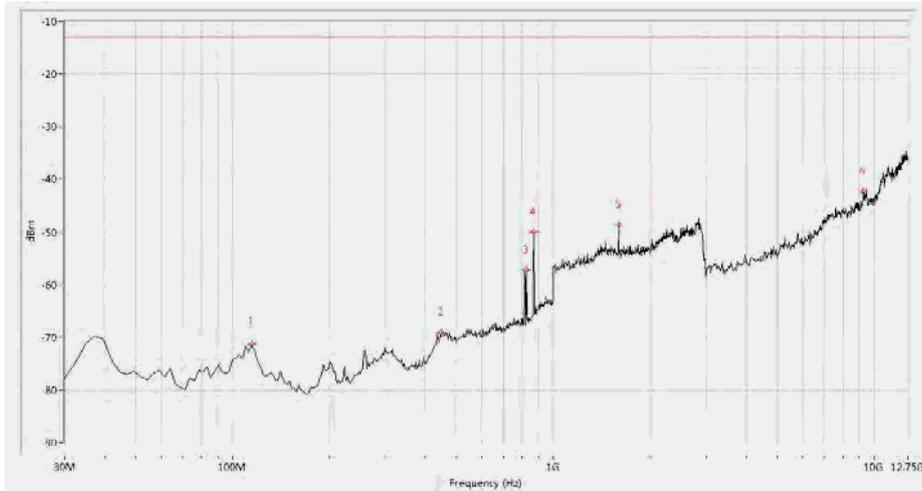
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-71.83	-13.0	58.8	67.8	Vertical	<u>PASS</u>
296.085	-73.08	-13.0	60.1	15.3	Vertical	<u>PASS</u>
458.155	-69.32	-13.0	56.3	302.5	Vertical	<u>PASS</u>
1982.544	-48.89	-13.0	35.9	330.1	Vertical	<u>PASS</u>
9274.314	-42.77	-13.0	29.8	3.9	Vertical	<u>PASS</u>
15760.599	-29.07	-13.0	16.1	150.4	Vertical	<u>PASS</u>

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



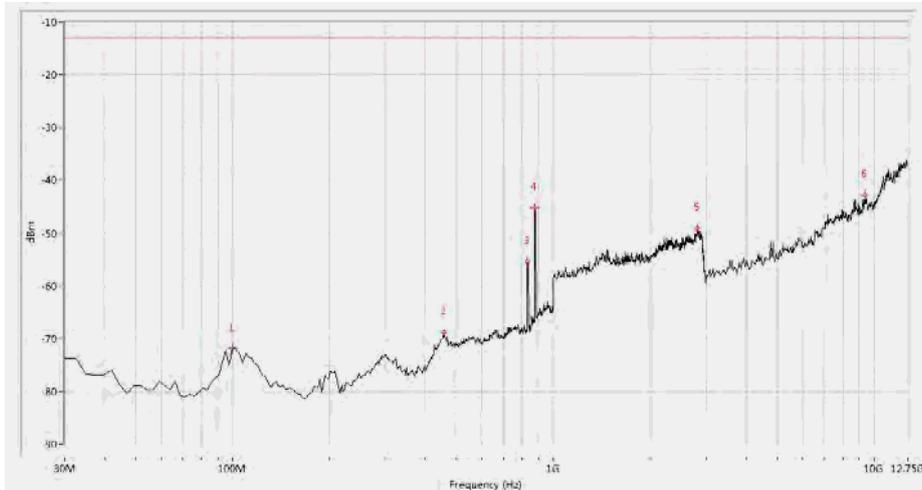
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
95.312	-72.05	-13.0	59.0	328.7	Horizontal	<u>PASS</u>
300.923	-71.62	-13.0	58.6	29.5	Horizontal	<u>PASS</u>
825.835	-56.93	-13.0	43.9	307.1	Horizontal	<u>PASS</u>
871.796	-45.89	-13.0	32.9	132.2	Horizontal	<u>PASS</u>
2840.399	-48.58	-13.0	35.6	225.5	Horizontal	<u>PASS</u>
11242.519	-37.17	-13.0	24.2	120.6	Horizontal	<u>PASS</u>

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



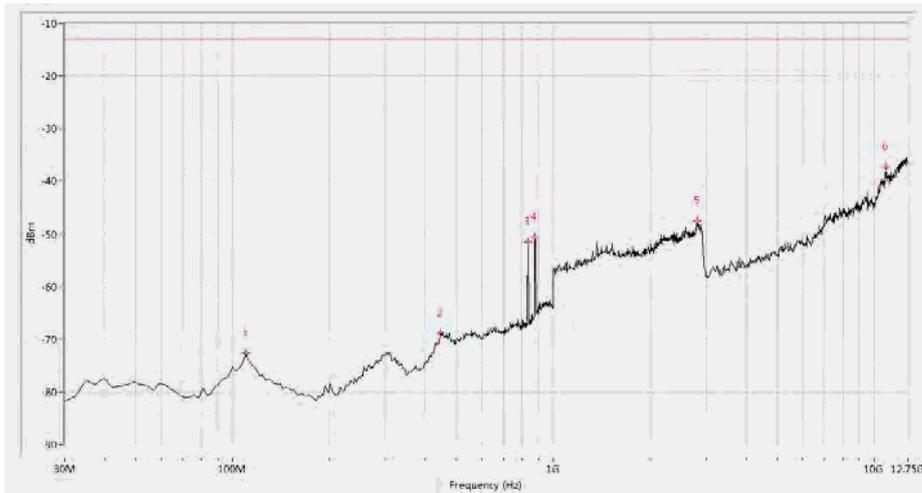
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
114.663	-71.37	-13.0	58.4	313.8	Vertical	<u>PASS</u>
448.479	-69.04	-13.0	56.0	117.6	Vertical	<u>PASS</u>
825.835	-57.24	-13.0	44.2	218.5	Vertical	<u>PASS</u>
871.796	-49.90	-13.0	36.9	26.4	Vertical	<u>PASS</u>
1598.504	-48.71	-13.0	35.7	317.0	Vertical	<u>PASS</u>
9273.067	-42.28	-13.0	29.3	237.8	Vertical	<u>PASS</u>

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



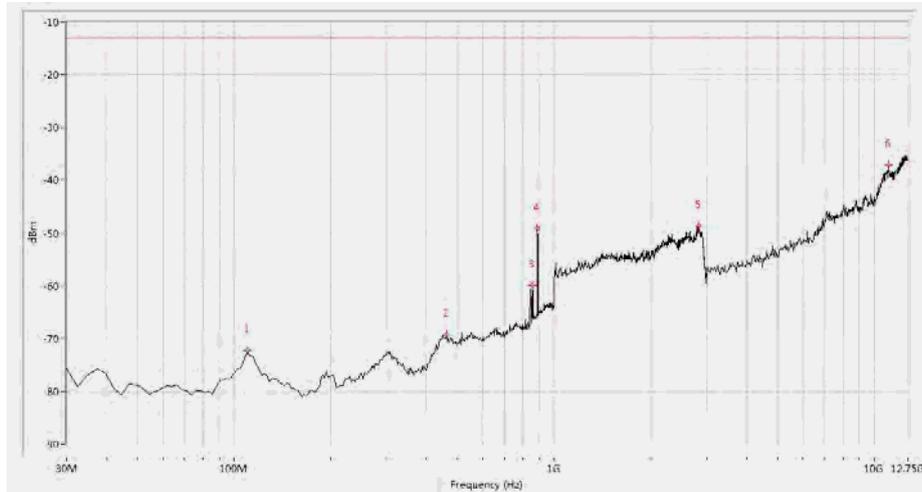
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
100.150	-71.82	-13.0	58.8	-0.0	Horizontal	<u>PASS</u>
455.736	-68.79	-13.0	55.8	102.4	Horizontal	<u>PASS</u>
830.673	-55.44	-13.0	42.4	320.1	Horizontal	<u>PASS</u>
876.633	-45.16	-13.0	32.2	303.7	Horizontal	<u>PASS</u>
2820.449	-49.15	-13.0	36.1	68.1	Horizontal	<u>PASS</u>
9370.324	-42.75	-13.0	29.8	307.8	Horizontal	<u>PASS</u>

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



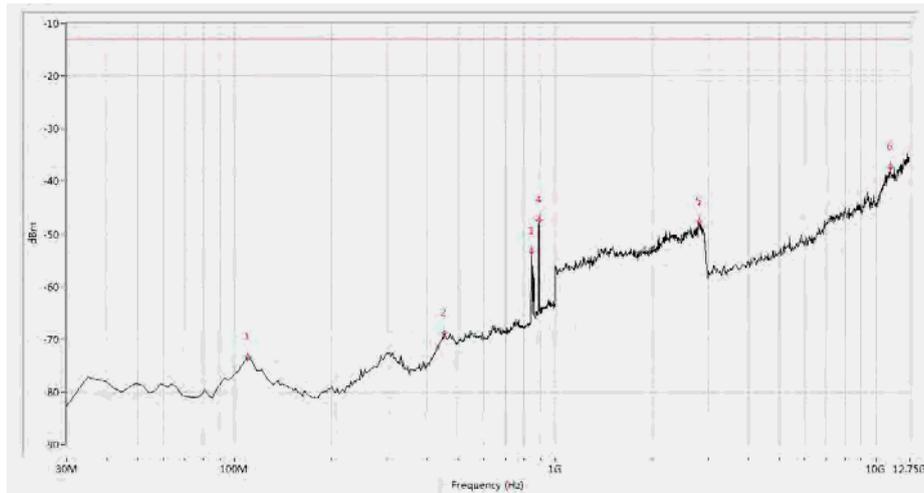
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-72.62	-13.0	59.6	275.5	Vertical	<u>PASS</u>
446.060	-68.71	-13.0	55.7	249.4	Vertical	<u>PASS</u>
835.511	-51.45	-13.0	38.4	243.8	Vertical	<u>PASS</u>
876.633	-50.54	-13.0	37.5	32.0	Vertical	<u>PASS</u>
2815.461	-47.51	-13.0	34.5	6.9	Vertical	<u>PASS</u>
10877.805	-37.26	-13.0	24.3	296.3	Vertical	<u>PASS</u>

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



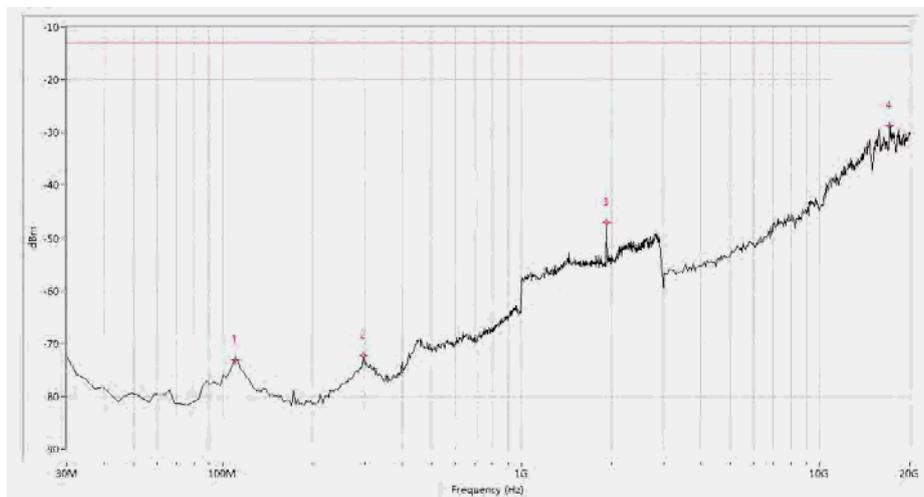
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-72.25	-13.0	59.3	16.1	Horizontal	<u>PASS</u>
460.574	-69.20	-13.0	56.2	195.4	Horizontal	<u>PASS</u>
854.863	-59.86	-13.0	46.9	211.0	Horizontal	<u>PASS</u>
888.728	-49.06	-13.0	36.1	301.1	Horizontal	<u>PASS</u>
2830.424	-48.64	-13.0	35.6	28.3	Horizontal	<u>PASS</u>
11120.948	-37.04	-13.0	24.0	182.8	Horizontal	<u>PASS</u>

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



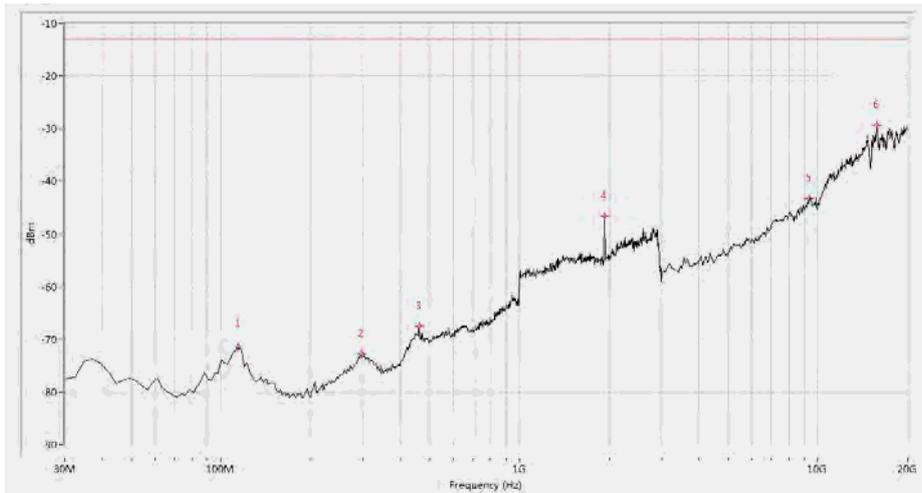
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-73.38	-13.0	60.4	360.0	Vertical	<u>PASS</u>
450.898	-68.73	-13.0	55.7	316.0	Vertical	<u>PASS</u>
845.187	-53.18	-13.0	40.2	226.3	Vertical	<u>PASS</u>
891.147	-47.41	-13.0	34.4	17.5	Vertical	<u>PASS</u>
2815.461	-47.75	-13.0	34.7	200.2	Vertical	<u>PASS</u>
11072.319	-37.31	-13.0	24.3	358.1	Vertical	<u>PASS</u>

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



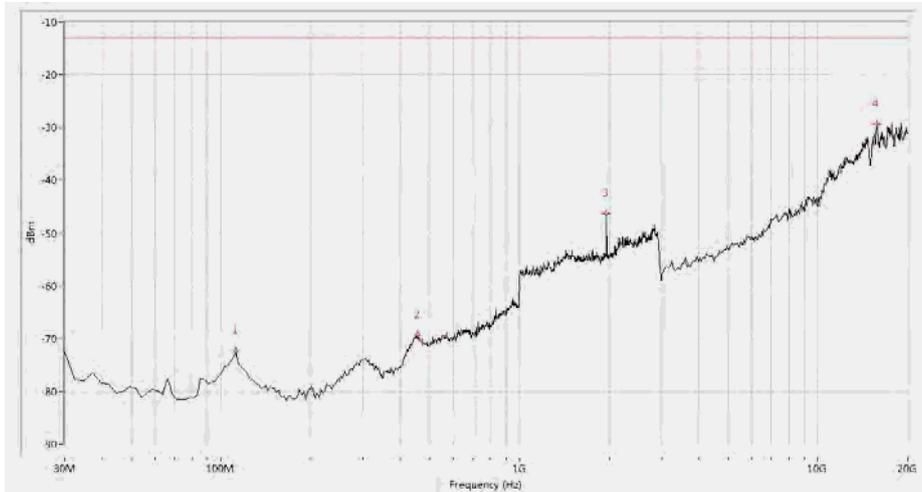
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-73.00	-13.0	60.0	216.2	Horizontal	<u>PASS</u>
296.085	-72.18	-13.0	59.2	253.0	Horizontal	<u>PASS</u>
1927.681	-47.09	-13.0	34.1	231.2	Horizontal	<u>PASS</u>
17159.601	-28.75	-13.0	15.8	9.4	Horizontal	<u>PASS</u>

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



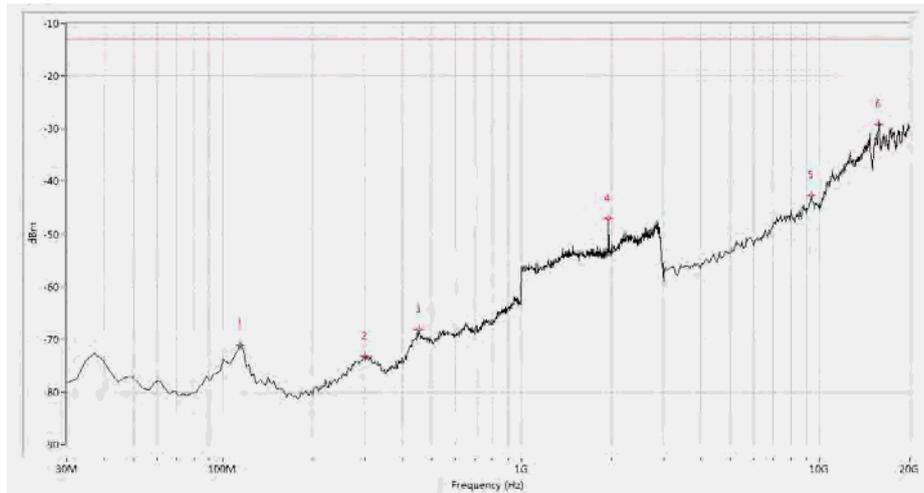
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
114.663	-71.41	-13.0	58.4	36.1	Vertical	<u>PASS</u>
296.085	-72.75	-13.0	59.8	227.0	Vertical	<u>PASS</u>
462.993	-67.47	-13.0	54.5	248.3	Vertical	<u>PASS</u>
1927.681	-46.52	-13.0	33.5	360.0	Vertical	<u>PASS</u>
9359.102	-43.33	-13.0	30.3	167.9	Vertical	<u>PASS</u>
15760.599	-29.40	-13.0	16.4	2.1	Vertical	<u>PASS</u>

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



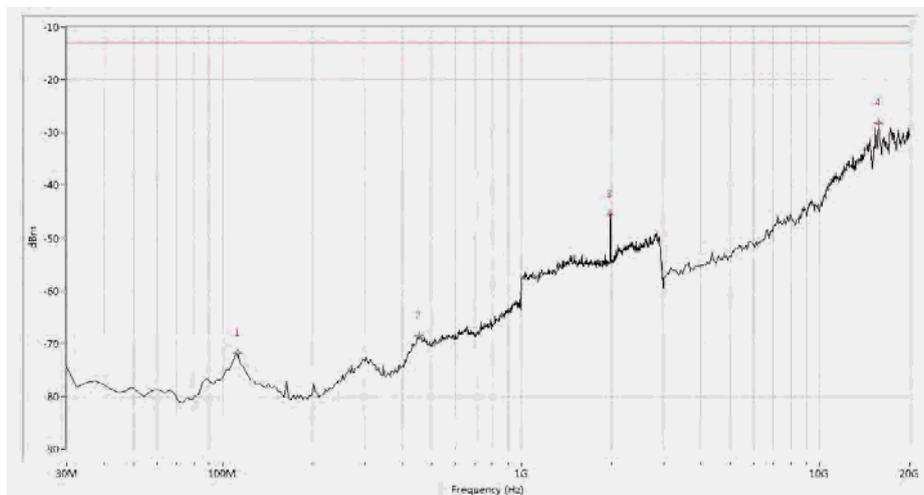
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-72.39	-13.0	59.4	299.6	Horizontal	<u>PASS</u>
455.736	-69.31	-13.0	56.3	35.3	Horizontal	<u>PASS</u>
1957.606	-46.32	-13.0	33.3	310.0	Horizontal	<u>PASS</u>
15760.599	-29.35	-13.0	16.4	310.0	Horizontal	<u>PASS</u>

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



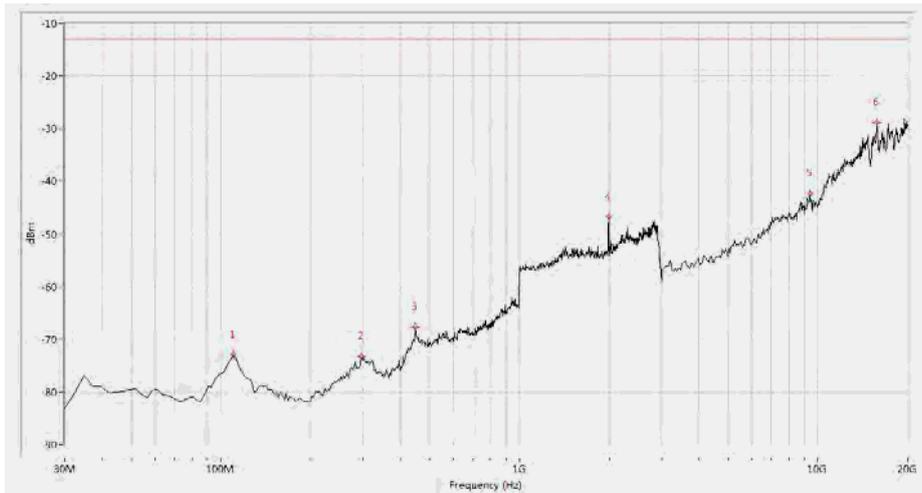
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
114.663	-71.08	-13.0	58.1	3.4	Vertical	<u>PASS</u>
298.504	-73.21	-13.0	60.2	46.6	Vertical	<u>PASS</u>
453.317	-68.07	-13.0	55.1	323.8	Vertical	<u>PASS</u>
1957.606	-47.07	-13.0	34.1	286.9	Vertical	<u>PASS</u>
9359.102	-42.63	-13.0	29.6	16.1	Vertical	<u>PASS</u>
15718.204	-29.19	-13.0	16.2	348.7	Vertical	<u>PASS</u>

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



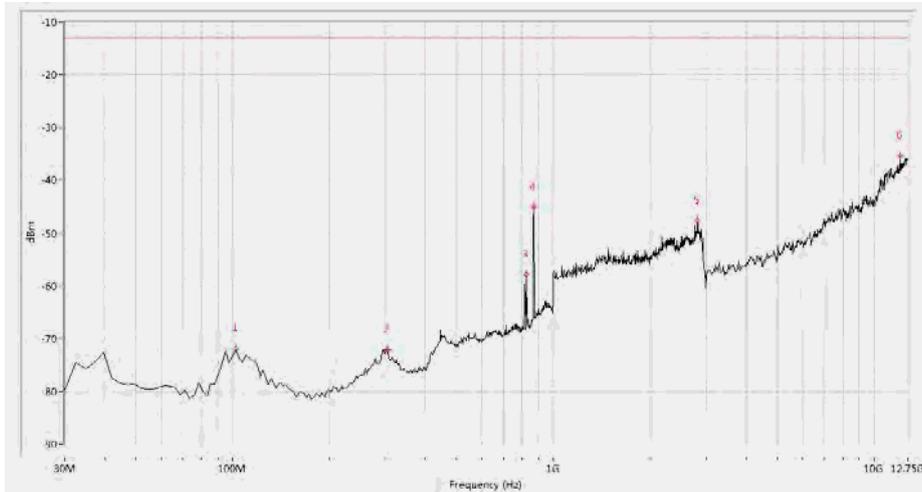
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-71.86	-13.0	58.9	291.4	Horizontal	PASS
453.317	-68.50	-13.0	55.5	72.3	Horizontal	PASS
1982.544	-45.52	-13.0	32.5	199.9	Horizontal	PASS
15718.204	-28.27	-13.0	15.3	48.1	Horizontal	PASS

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



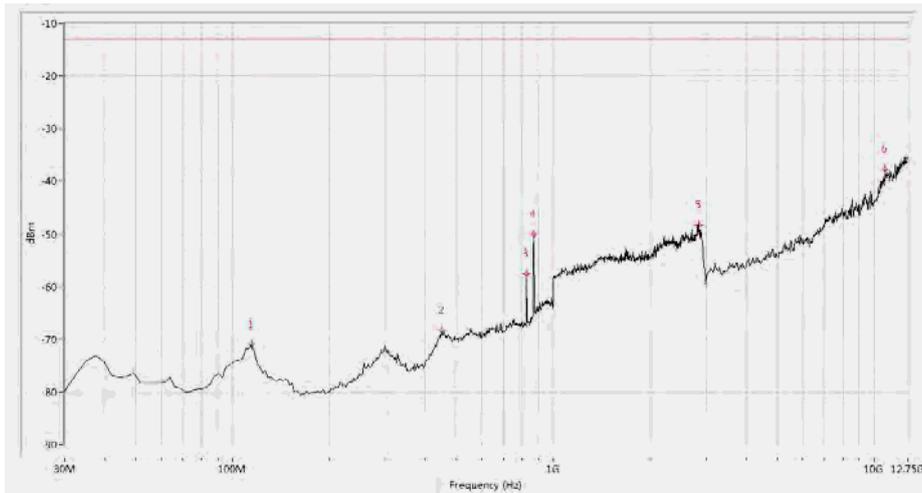
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-72.81	-13.0	59.8	85.7	Vertical	<u>PASS</u>
296.085	-73.22	-13.0	60.2	307.4	Vertical	<u>PASS</u>
448.479	-67.71	-13.0	54.7	276.5	Vertical	<u>PASS</u>
1987.531	-46.81	-13.0	33.8	271.3	Vertical	<u>PASS</u>
9401.496	-42.26	-13.0	29.3	286.2	Vertical	<u>PASS</u>
15760.599	-28.88	-13.0	15.9	80.8	Vertical	<u>PASS</u>

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



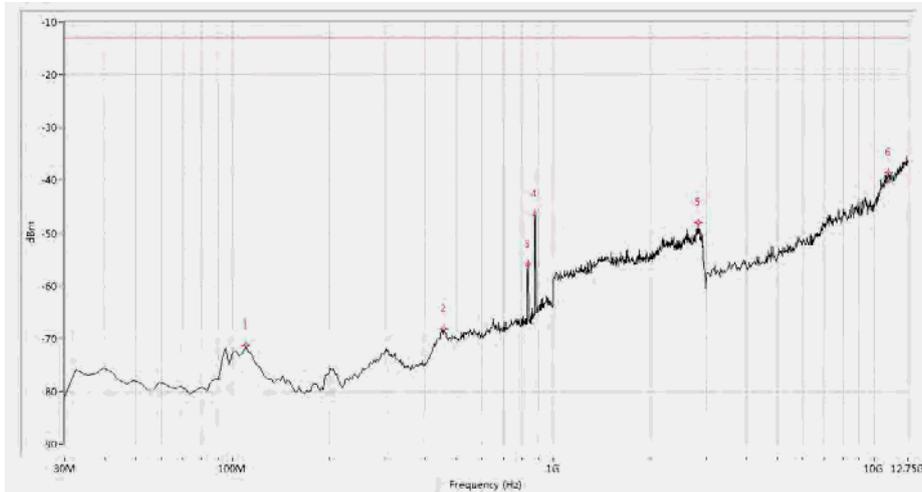
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
102.569	-72.02	-13.0	59.0	234.8	Horizontal	<u>PASS</u>
303.342	-72.13	-13.0	59.1	86.4	Horizontal	<u>PASS</u>
825.835	-57.86	-13.0	44.9	313.6	Horizontal	<u>PASS</u>
869.377	-45.01	-13.0	32.0	138.8	Horizontal	<u>PASS</u>
2810.474	-47.63	-13.0	34.6	186.5	Horizontal	<u>PASS</u>
12069.202	-35.41	-13.0	22.4	89.0	Horizontal	<u>PASS</u>

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



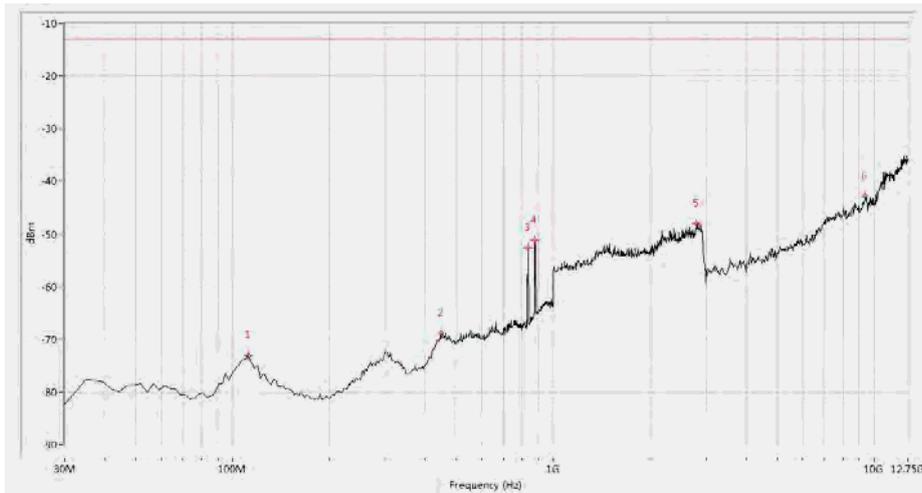
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
114.663	-71.04	-13.0	58.0	314.1	Vertical	<u>PASS</u>
450.898	-68.27	-13.0	55.3	96.8	Vertical	<u>PASS</u>
825.835	-57.50	-13.0	44.5	194.3	Vertical	<u>PASS</u>
869.377	-50.07	-13.0	37.1	31.3	Vertical	<u>PASS</u>
2840.399	-48.33	-13.0	35.3	196.5	Vertical	<u>PASS</u>
10853.491	-37.78	-13.0	24.8	292.5	Vertical	<u>PASS</u>

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



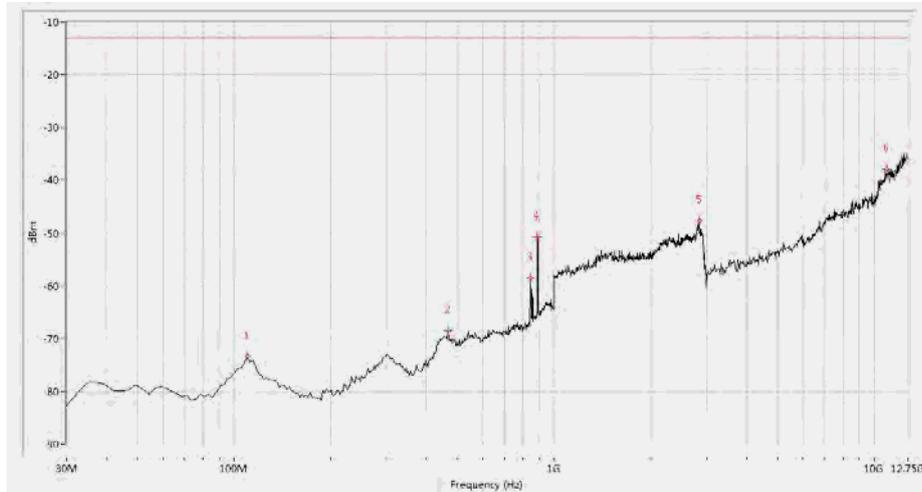
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-71.32	-13.0	58.3	359.3	Horizontal	<u>PASS</u>
455.736	-68.21	-13.0	55.2	308.5	Horizontal	<u>PASS</u>
835.511	-55.87	-13.0	42.9	68.9	Horizontal	<u>PASS</u>
876.633	-46.40	-13.0	33.4	173.4	Horizontal	<u>PASS</u>
2825.436	-48.02	-13.0	35.0	157.4	Horizontal	<u>PASS</u>
11096.633	-38.50	-13.0	25.5	296.8	Horizontal	<u>PASS</u>

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



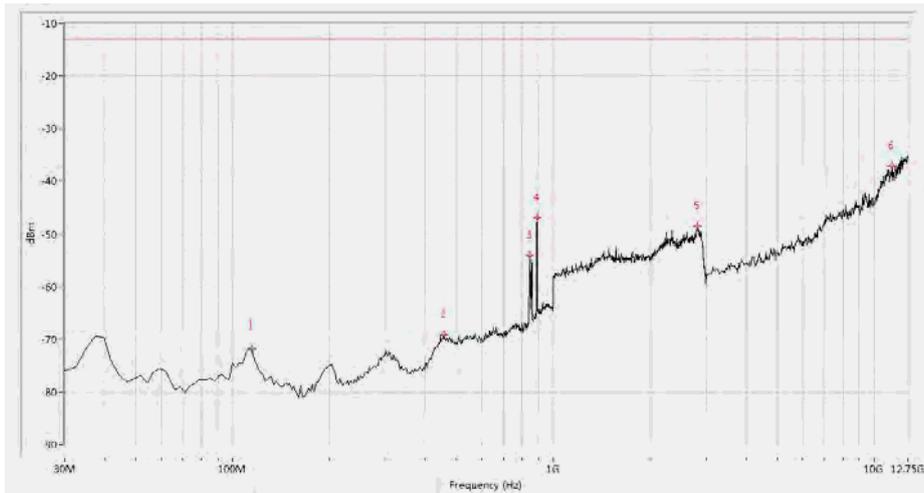
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-73.03	-13.0	60.0	176.0	Vertical	<u>PASS</u>
448.479	-68.77	-13.0	55.8	139.6	Vertical	<u>PASS</u>
835.511	-52.57	-13.0	39.6	252.3	Vertical	<u>PASS</u>
876.633	-51.16	-13.0	38.2	224.4	Vertical	<u>PASS</u>
2790.524	-48.00	-13.0	35.0	263.9	Vertical	<u>PASS</u>
9370.324	-42.86	-13.0	29.9	8.5	Vertical	<u>PASS</u>

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



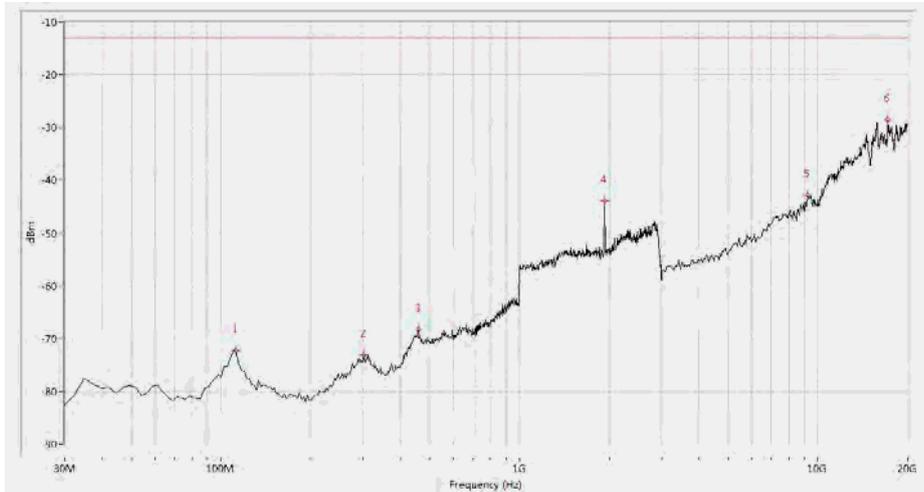
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-73.31	-13.0	60.3	106.1	Horizontal	<u>PASS</u>
467.830	-68.51	-13.0	55.5	250.9	Horizontal	<u>PASS</u>
845.187	-58.53	-13.0	45.5	-0.0	Horizontal	<u>PASS</u>
888.728	-50.73	-13.0	37.7	299.2	Horizontal	<u>PASS</u>
2840.399	-47.78	-13.0	34.8	-0.0	Horizontal	<u>PASS</u>
10950.748	-37.90	-13.0	24.9	135.4	Horizontal	<u>PASS</u>

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



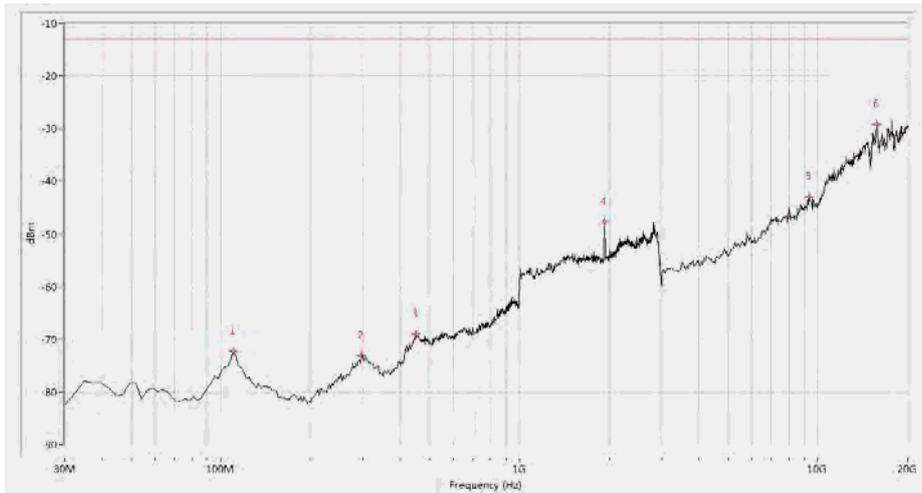
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
114.663	-71.73	-13.0	58.7	332.8	Vertical	<u>PASS</u>
455.736	-69.02	-13.0	56.0	71.8	Vertical	<u>PASS</u>
845.187	-53.99	-13.0	41.0	255.3	Vertical	<u>PASS</u>
891.147	-46.91	-13.0	33.9	235.2	Vertical	<u>PASS</u>
2805.486	-48.55	-13.0	35.6	122.5	Vertical	<u>PASS</u>
11388.404	-37.12	-13.0	24.1	302.6	Vertical	<u>PASS</u>

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



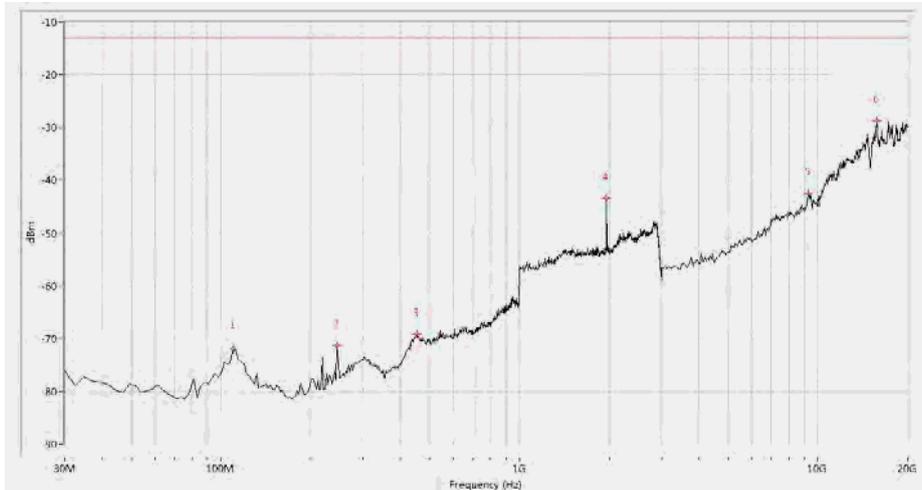
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-72.31	-13.0	59.3	304.5	Horizontal	<u>PASS</u>
300.923	-73.06	-13.0	60.1	233.4	Horizontal	<u>PASS</u>
458.155	-68.30	-13.0	55.3	75.2	Horizontal	<u>PASS</u>
1932.668	-43.85	-13.0	30.8	242.6	Horizontal	<u>PASS</u>
9231.920	-42.79	-13.0	29.8	-0.0	Horizontal	<u>PASS</u>
17159.601	-28.61	-13.0	15.6	18.3	Horizontal	<u>PASS</u>

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



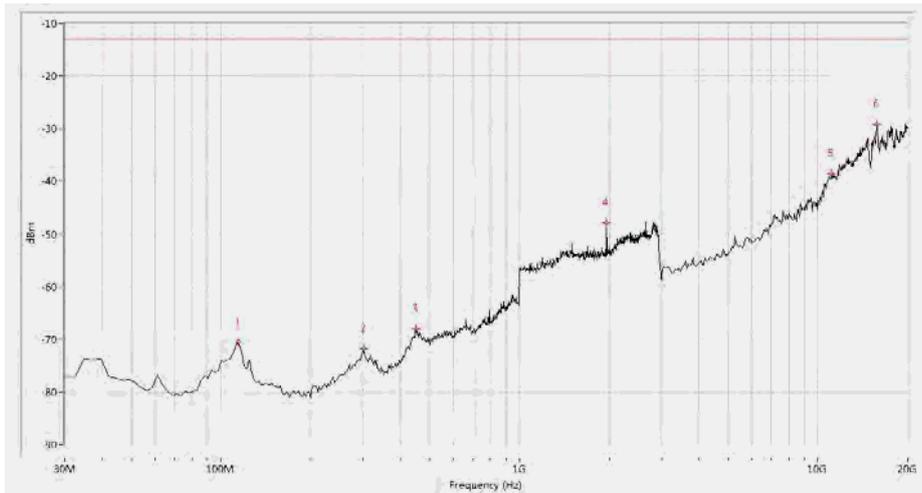
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-72.31	-13.0	59.3	216.6	Vertical	<u>PASS</u>
296.085	-72.99	-13.0	60.0	5.7	Vertical	<u>PASS</u>
450.898	-68.98	-13.0	56.0	99.4	Vertical	<u>PASS</u>
1927.681	-47.65	-13.0	34.6	358.3	Vertical	<u>PASS</u>
9359.102	-43.01	-13.0	30.0	360.0	Vertical	<u>PASS</u>
15760.599	-29.10	-13.0	16.1	74.9	Vertical	<u>PASS</u>

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



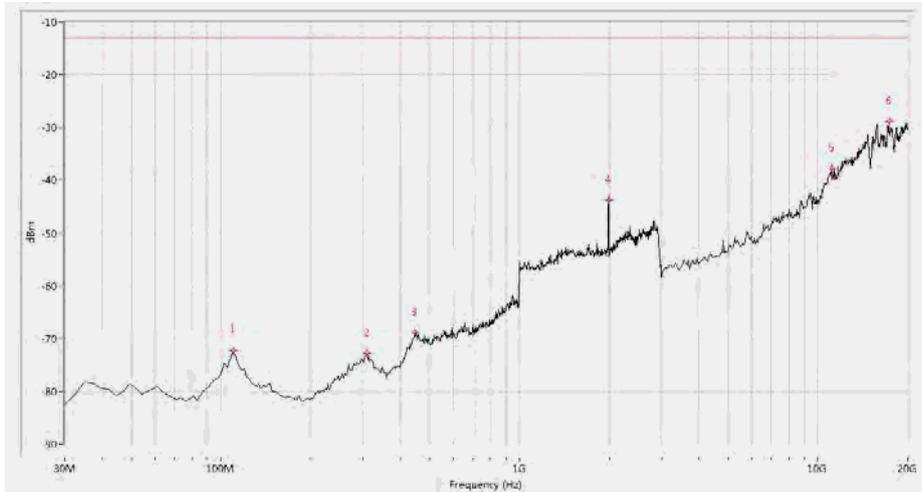
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-71.86	-13.0	58.9	48.5	Horizontal	<u>PASS</u>
245.287	-71.32	-13.0	58.3	70.4	Horizontal	<u>PASS</u>
453.317	-69.10	-13.0	56.1	-0.0	Horizontal	<u>PASS</u>
1957.606	-43.39	-13.0	30.4	330.1	Horizontal	<u>PASS</u>
9316.708	-42.41	-13.0	29.4	42.1	Horizontal	<u>PASS</u>
15718.204	-28.65	-13.0	15.6	343.2	Horizontal	<u>PASS</u>

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



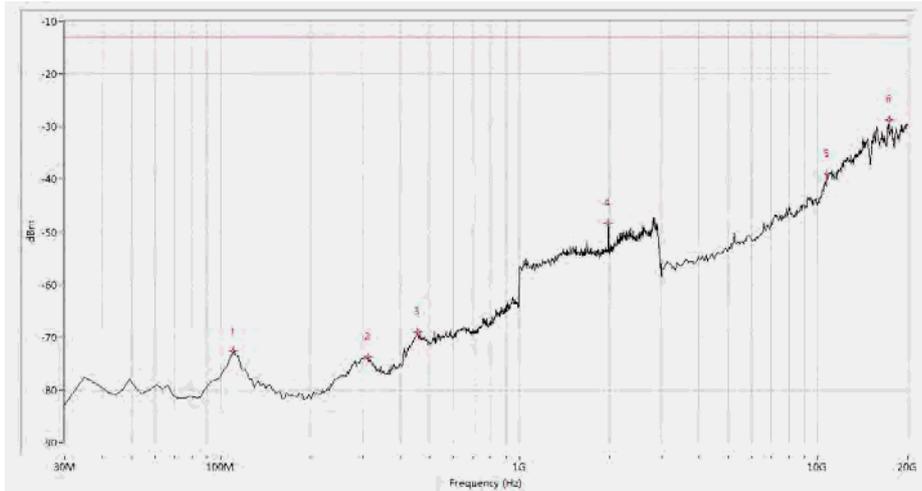
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
114.663	-70.55	-13.0	57.6	-0.0	Vertical	<u>PASS</u>
300.923	-71.83	-13.0	58.8	83.0	Vertical	<u>PASS</u>
450.898	-67.98	-13.0	55.0	106.5	Vertical	<u>PASS</u>
1957.606	-47.83	-13.0	34.8	324.2	Vertical	<u>PASS</u>
11097.257	-38.57	-13.0	25.6	83.3	Vertical	<u>PASS</u>
15760.599	-29.24	-13.0	16.2	205.1	Vertical	<u>PASS</u>

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



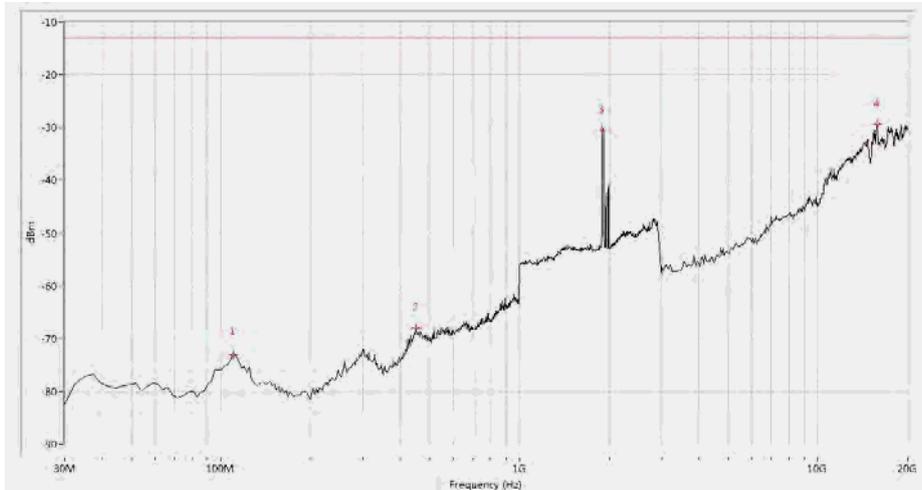
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-72.25	-13.0	59.2	285.3	Horizontal	<u>PASS</u>
308.180	-72.70	-13.0	59.7	225.5	Horizontal	<u>PASS</u>
446.060	-68.79	-13.0	55.8	152.6	Horizontal	<u>PASS</u>
1987.531	-43.73	-13.0	30.7	223.3	Horizontal	<u>PASS</u>
11139.651	-37.79	-13.0	24.8	277.6	Horizontal	<u>PASS</u>
17329.177	-28.88	-13.0	15.9	132.9	Horizontal	<u>PASS</u>

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



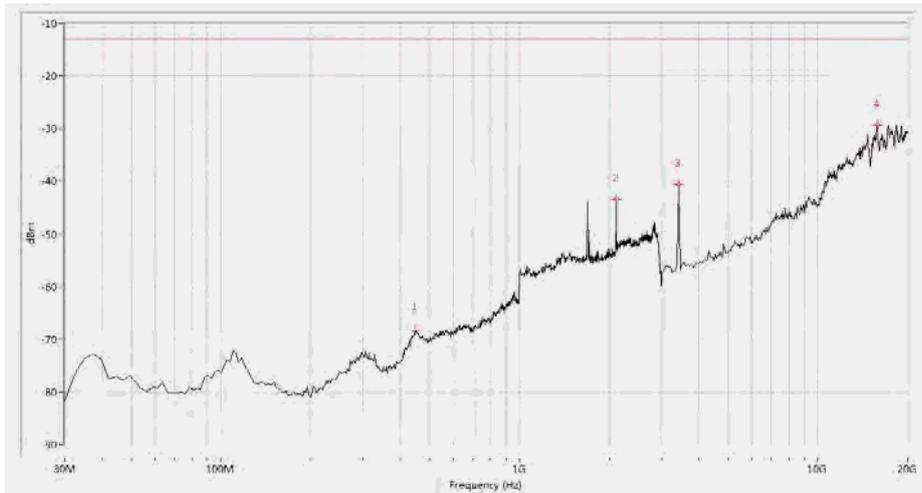
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-72.65	-13.0	59.6	189.5	Vertical	<u>PASS</u>
310.599	-73.68	-13.0	60.7	24.7	Vertical	<u>PASS</u>
455.736	-68.92	-13.0	55.9	129.6	Vertical	<u>PASS</u>
1982.544	-48.33	-13.0	35.3	281.4	Vertical	<u>PASS</u>
10715.711	-39.05	-13.0	26.0	355.7	Vertical	<u>PASS</u>
17286.783	-28.73	-13.0	15.7	235.6	Vertical	<u>PASS</u>

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



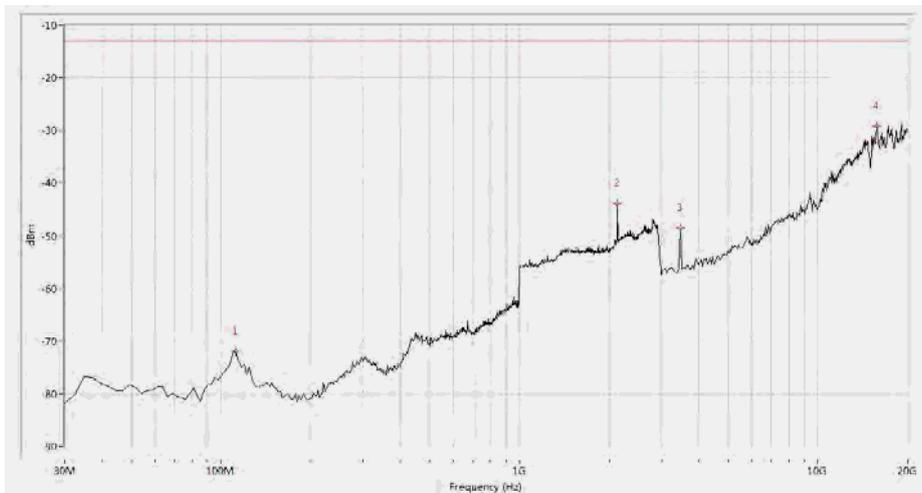
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-73.08	-13.0	60.1	-0.0	Horizontal	<u>PASS</u>
450.898	-68.05	-13.0	55.0	89.4	Horizontal	<u>PASS</u>
1897.756	-30.49	-13.0	17.5	43.3	Horizontal	<u>PASS</u>
15802.993	-29.35	-13.0	16.4	145.9	Horizontal	<u>PASS</u>

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



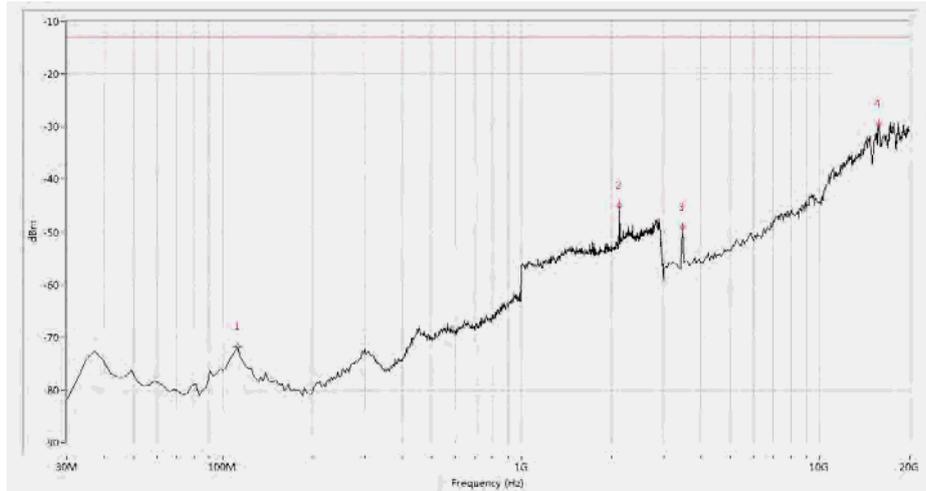
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
448.479	-68.34	-13.0	55.3	173.8	Vertical	<u>PASS</u>
2112.219	-43.49	-13.0	30.5	105.3	Vertical	<u>PASS</u>
3423.940	-40.51	-13.0	27.5	227.1	Vertical	<u>PASS</u>
15802.993	-29.38	-13.0	16.4	360.0	Vertical	<u>PASS</u>

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



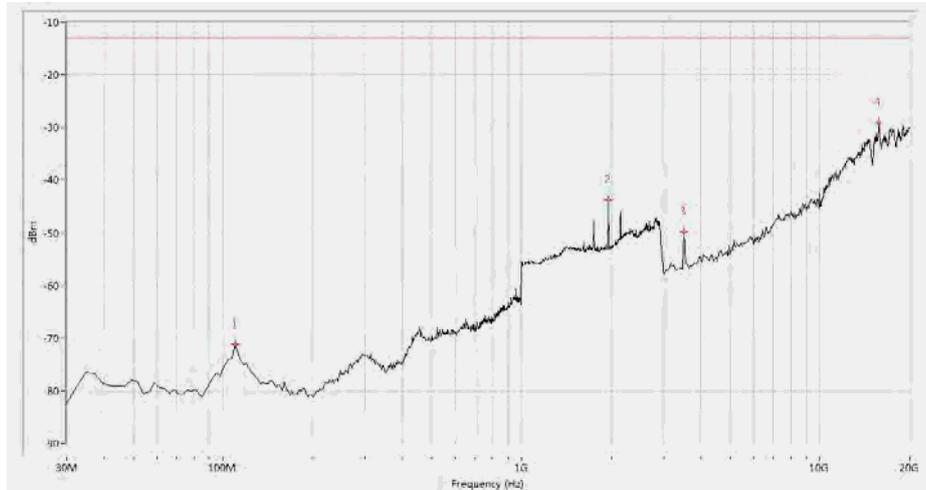
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-72.02	-13.0	59.0	-0.0	Horizontal	<u>PASS</u>
2132.170	-43.86	-13.0	30.9	30.9	Horizontal	<u>PASS</u>
3466.334	-48.56	-13.0	35.6	220.0	Horizontal	<u>PASS</u>
15760.599	-29.24	-13.0	16.2	174.5	Horizontal	<u>PASS</u>

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



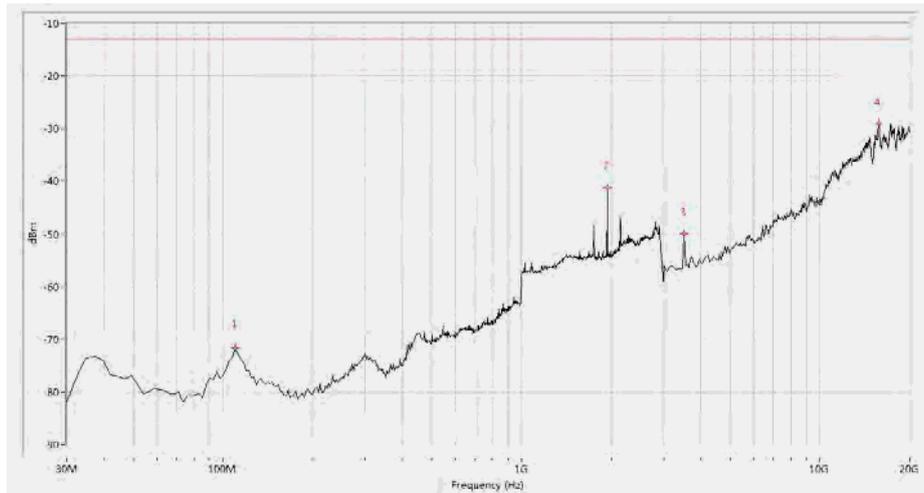
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-71.74	-13.0	58.7	348.4	Vertical	<u>PASS</u>
2132.170	-45.01	-13.0	32.0	212.2	Vertical	<u>PASS</u>
3466.334	-49.11	-13.0	36.1	234.5	Vertical	<u>PASS</u>
15760.599	-29.52	-13.0	16.5	311.9	Vertical	<u>PASS</u>

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



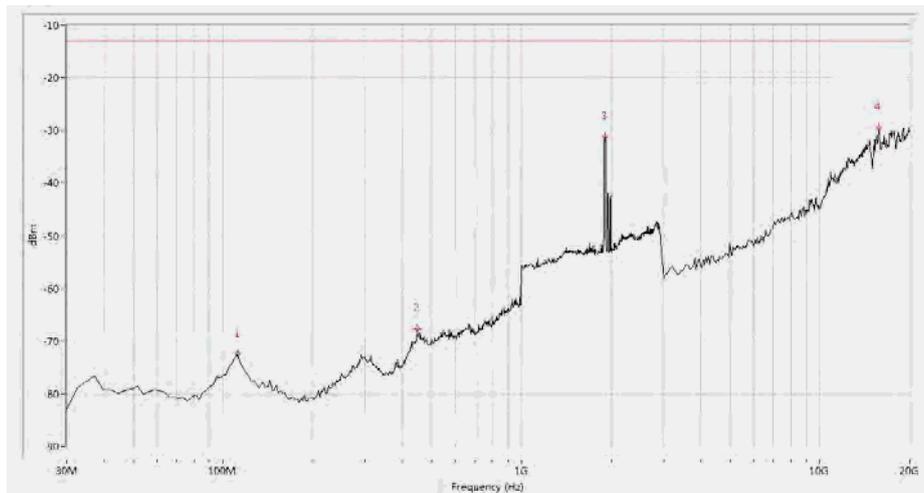
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-71.21	-13.0	58.2	205.8	Horizontal	<u>PASS</u>
1957.606	-43.80	-13.0	30.8	272.8	Horizontal	<u>PASS</u>
3508.728	-49.70	-13.0	36.7	228.9	Horizontal	<u>PASS</u>
15760.599	-29.04	-13.0	16.0	166.8	Horizontal	<u>PASS</u>

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



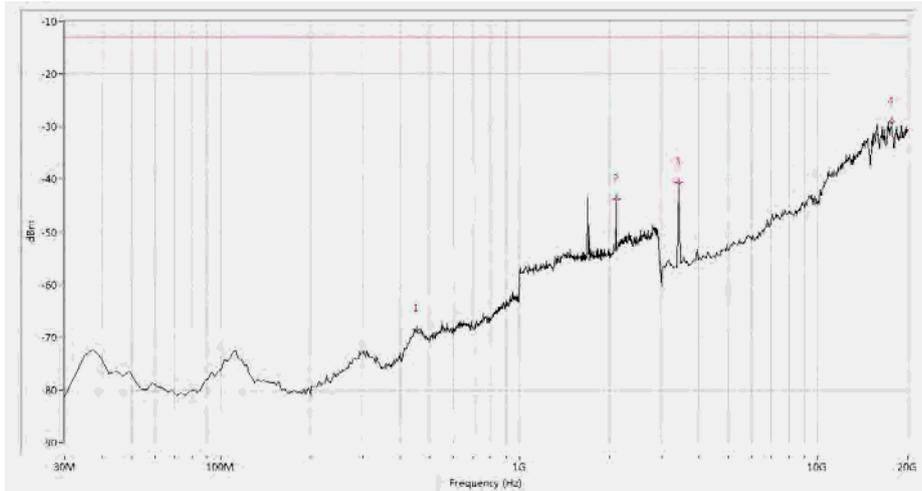
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-71.57	-13.0	58.6	357.2	Vertical	<u>PASS</u>
1942.643	-41.20	-13.0	28.2	209.1	Vertical	<u>PASS</u>
3508.728	-49.86	-13.0	36.9	226.3	Vertical	<u>PASS</u>
15760.599	-28.96	-13.0	16.0	320.8	Vertical	<u>PASS</u>

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



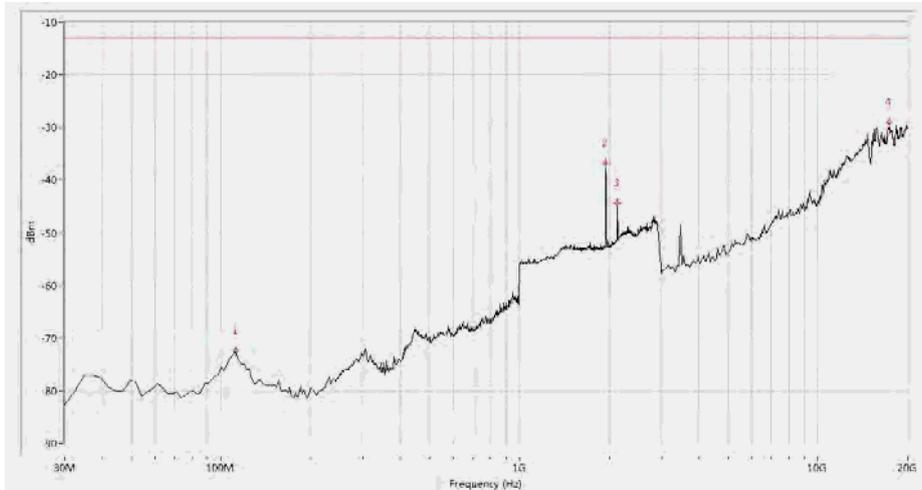
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-72.36	-13.0	59.4	58.0	Horizontal	<u>PASS</u>
446.060	-67.59	-13.0	54.6	258.7	Horizontal	<u>PASS</u>
1907.731	-31.28	-13.0	18.3	253.8	Horizontal	<u>PASS</u>
15760.599	-29.48	-13.0	16.5	103.8	Horizontal	<u>PASS</u>

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



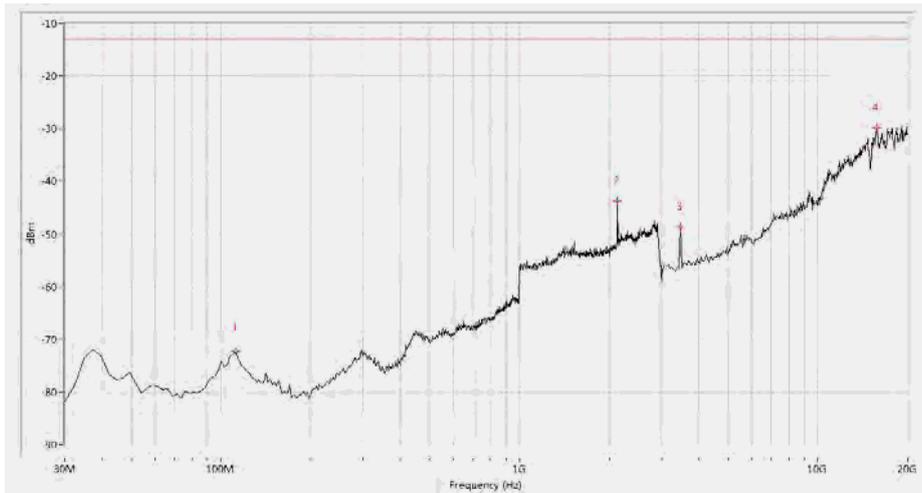
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
453.317	-68.44	-13.0	55.4	299.3	Vertical	<u>PASS</u>
2112.219	-43.74	-13.0	30.7	333.5	Vertical	<u>PASS</u>
3423.940	-40.59	-13.0	27.6	235.6	Vertical	<u>PASS</u>
17668.329	-28.98	-13.0	16.0	126.5	Vertical	<u>PASS</u>

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



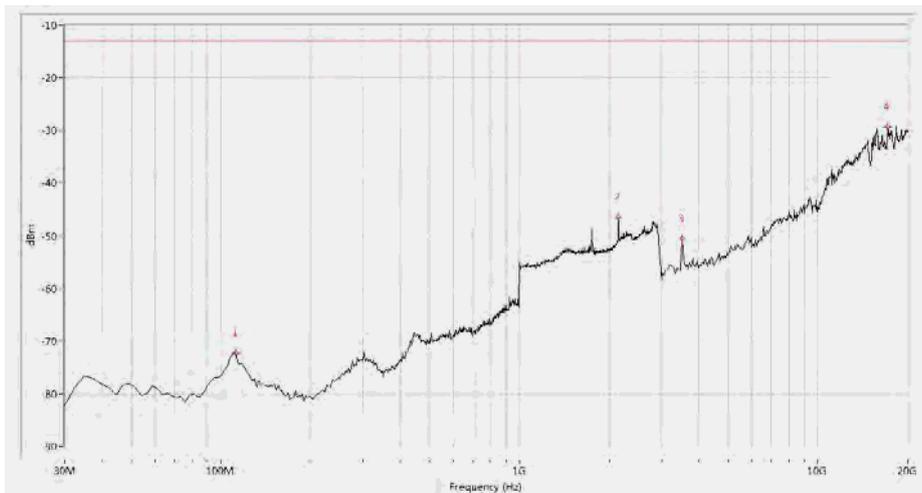
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-72.41	-13.0	59.4	138.4	Horizontal	<u>PASS</u>
1947.631	-36.80	-13.0	23.8	47.3	Horizontal	<u>PASS</u>
2132.170	-44.44	-13.0	31.4	151.1	Horizontal	<u>PASS</u>
17371.571	-28.94	-13.0	15.9	23.5	Horizontal	<u>PASS</u>

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



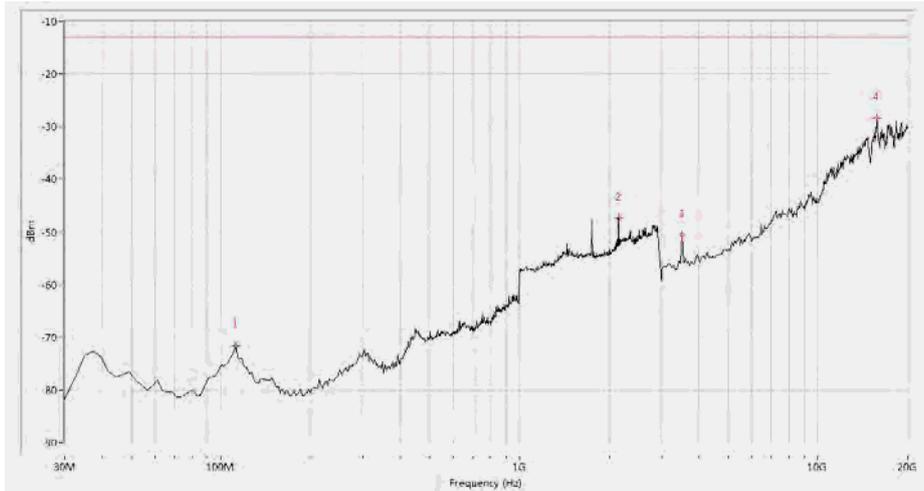
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-72.28	-13.0	59.3	28.7	Vertical	<u>PASS</u>
2132.170	-43.72	-13.0	30.7	32.7	Vertical	<u>PASS</u>
3466.334	-48.73	-13.0	35.7	227.4	Vertical	<u>PASS</u>
15760.599	-29.76	-13.0	16.8	55.5	Vertical	<u>PASS</u>

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



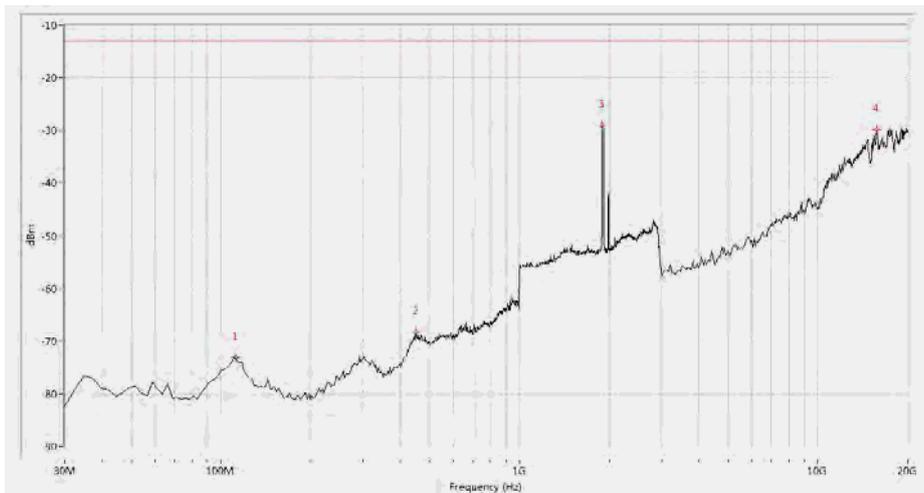
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-72.24	-13.0	59.2	199.4	Horizontal	<u>PASS</u>
2147.132	-46.45	-13.0	33.5	29.8	Horizontal	<u>PASS</u>
3508.728	-50.59	-13.0	37.6	239.3	Horizontal	<u>PASS</u>
17117.207	-29.40	-13.0	16.4	333.4	Horizontal	<u>PASS</u>

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



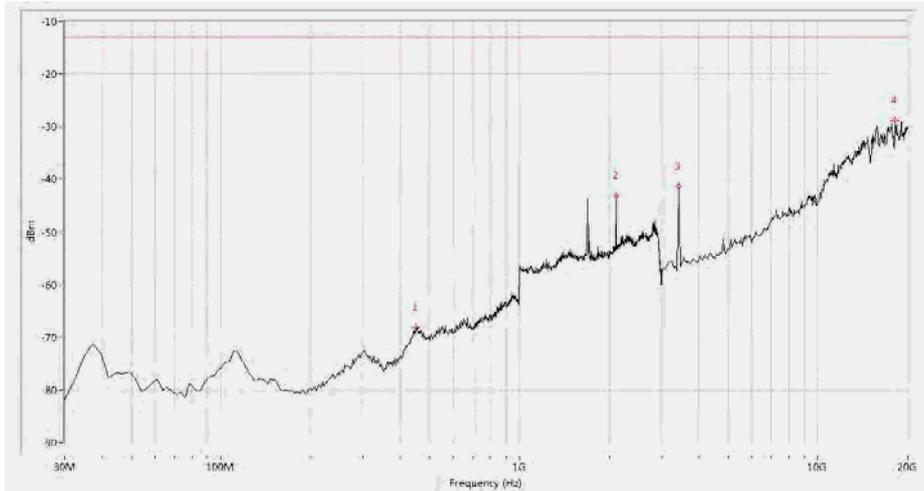
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-71.61	-13.0	58.6	262.7	Vertical	<u>PASS</u>
2152.120	-47.38	-13.0	34.4	334.2	Vertical	<u>PASS</u>
3508.728	-50.63	-13.0	37.6	211.7	Vertical	<u>PASS</u>
15760.599	-28.38	-13.0	15.4	204.6	Vertical	<u>PASS</u>

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



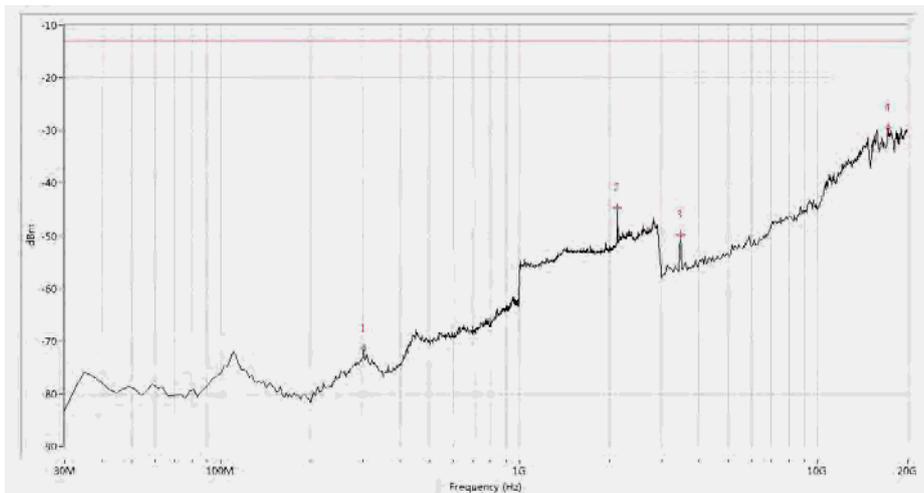
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-73.04	-13.0	60.0	5.5	Horizontal	<u>PASS</u>
450.898	-68.32	-13.0	55.3	360.0	Horizontal	<u>PASS</u>
1897.756	-29.02	-13.0	16.0	11.6	Horizontal	<u>PASS</u>
15760.599	-29.85	-13.0	16.9	336.4	Horizontal	<u>PASS</u>

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



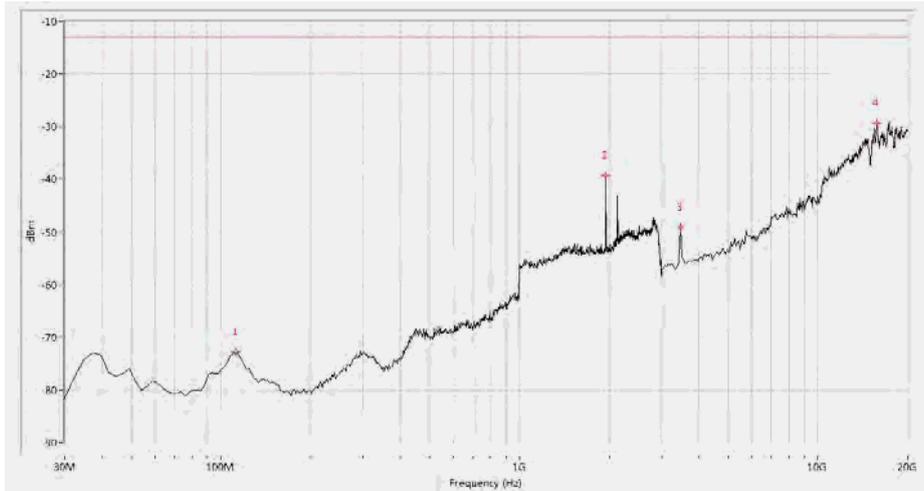
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
450.898	-68.10	-13.0	55.1	110.6	Vertical	<u>PASS</u>
2112.219	-43.03	-13.0	30.0	150.0	Vertical	<u>PASS</u>
3423.940	-41.29	-13.0	28.3	235.6	Vertical	<u>PASS</u>
18134.663	-28.93	-13.0	15.9	360.0	Vertical	<u>PASS</u>

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



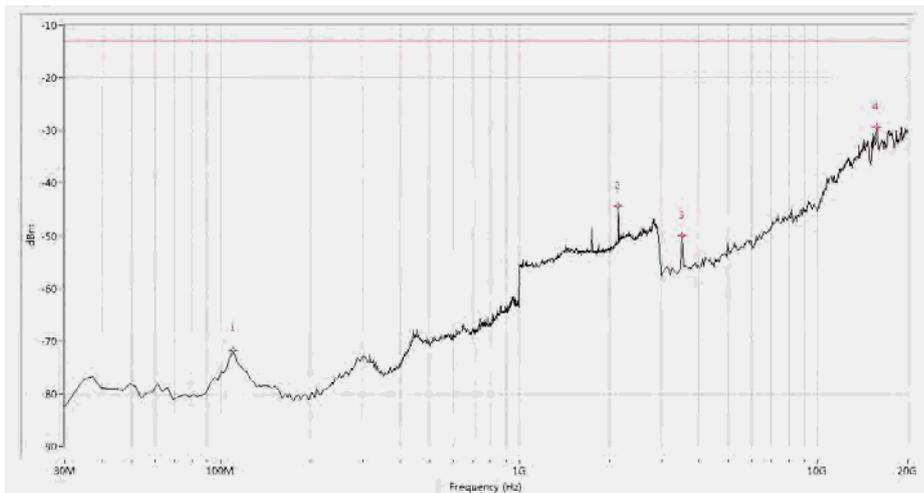
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
300.923	-71.42	-13.0	58.4	54.7	Horizontal	<u>PASS</u>
2127.182	-44.76	-13.0	31.8	152.6	Horizontal	<u>PASS</u>
3466.334	-49.74	-13.0	36.7	230.7	Horizontal	<u>PASS</u>
17201.995	-29.41	-13.0	16.4	278.4	Horizontal	<u>PASS</u>

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



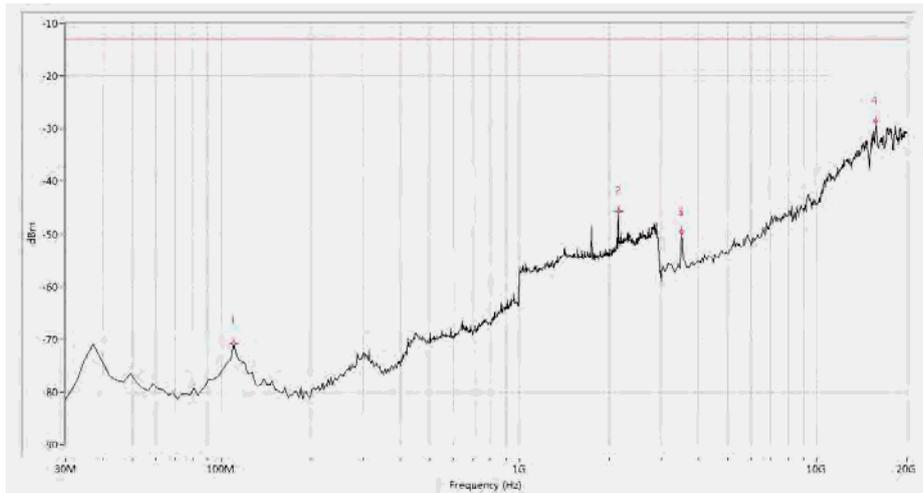
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-72.67	-13.0	59.7	360.0	Vertical	<u>PASS</u>
1947.631	-39.33	-13.0	26.3	280.6	Vertical	<u>PASS</u>
3466.334	-49.18	-13.0	36.2	228.6	Vertical	<u>PASS</u>
15760.599	-29.34	-13.0	16.3	204.7	Vertical	<u>PASS</u>

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



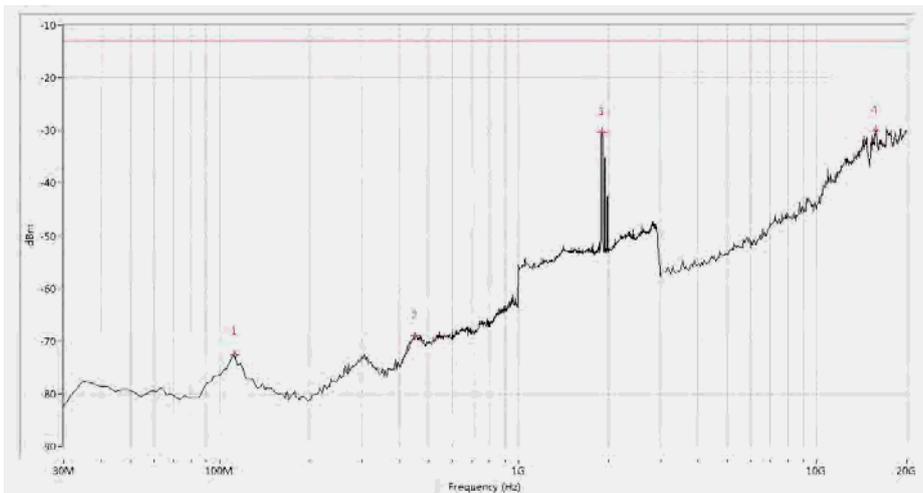
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-71.81	-13.0	58.8	279.2	Horizontal	<u>PASS</u>
2147.132	-44.33	-13.0	31.3	148.9	Horizontal	<u>PASS</u>
3508.728	-49.89	-13.0	36.9	122.1	Horizontal	<u>PASS</u>
15760.599	-29.26	-13.0	16.3	329.8	Horizontal	<u>PASS</u>

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



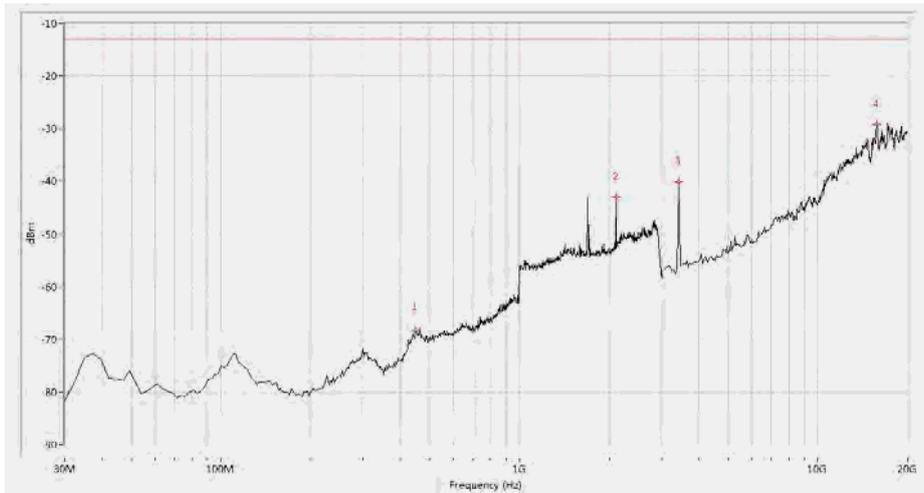
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-70.77	-13.0	57.8	326.4	Vertical	<u>PASS</u>
2152.120	-45.63	-13.0	32.6	234.9	Vertical	<u>PASS</u>
3508.728	-49.60	-13.0	36.6	228.9	Vertical	<u>PASS</u>
15760.599	-28.50	-13.0	15.5	72.9	Vertical	<u>PASS</u>

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



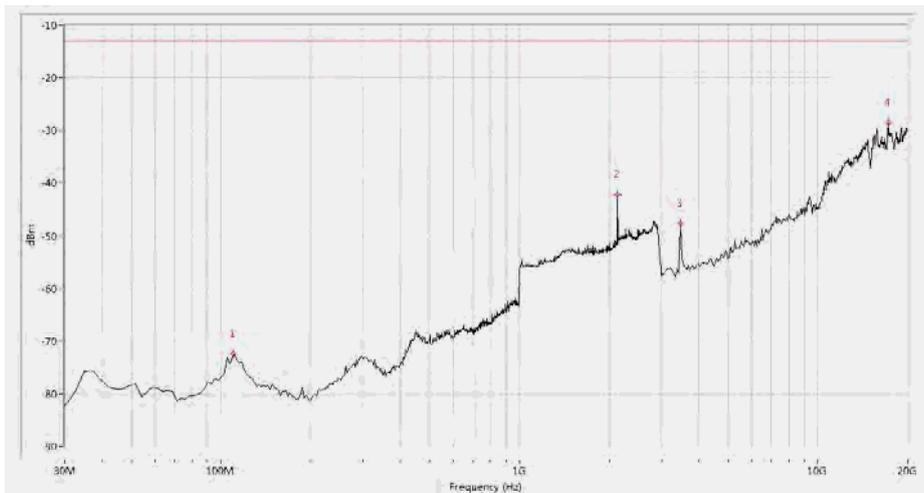
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
112.244	-72.52	-13.0	59.5	70.8	Horizontal	<u>PASS</u>
450.898	-68.95	-13.0	55.9	94.6	Horizontal	<u>PASS</u>
1902.743	-30.25	-13.0	17.2	3.4	Horizontal	<u>PASS</u>
15760.599	-29.90	-13.0	16.9	11.5	Horizontal	<u>PASS</u>

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



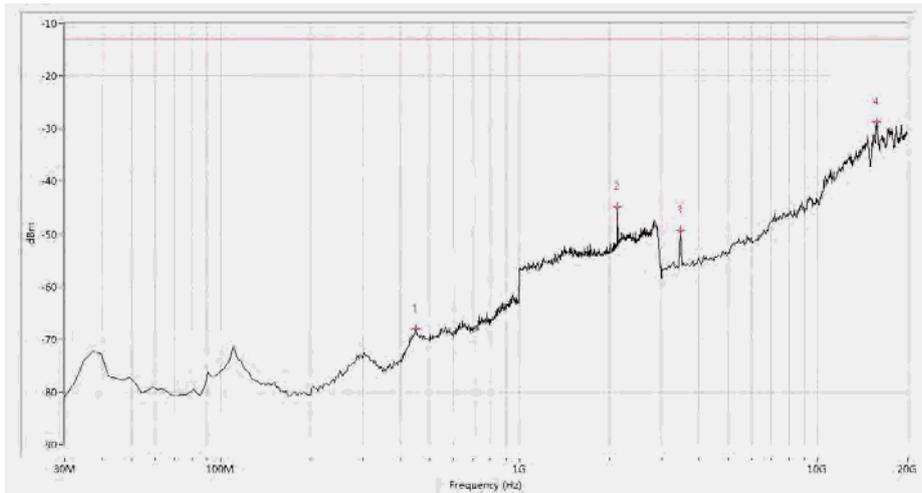
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
448.479	-68.24	-13.0	55.2	8.2	Vertical	<u>PASS</u>
2107.232	-42.92	-13.0	29.9	333.9	Vertical	<u>PASS</u>
3423.940	-40.04	-13.0	27.0	238.1	Vertical	<u>PASS</u>
15760.599	-29.17	-13.0	16.2	230.3	Vertical	<u>PASS</u>

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



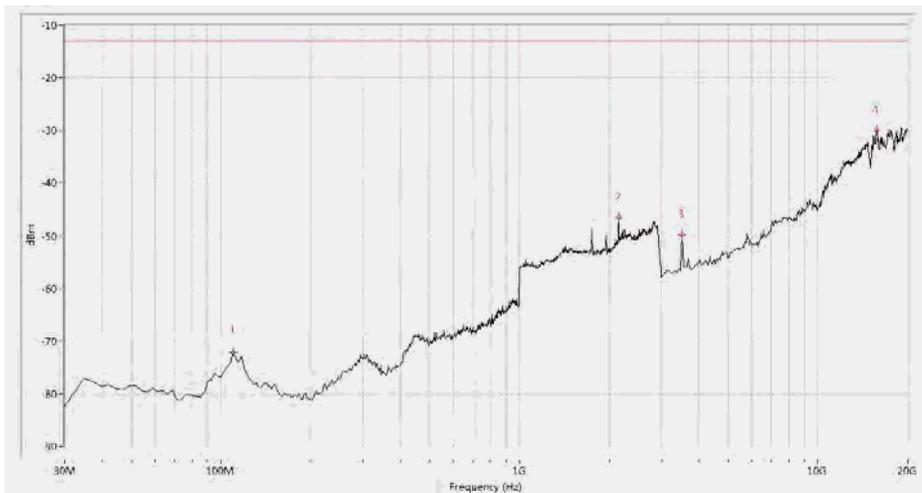
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-72.36	-13.0	59.4	58.1	Horizontal	<u>PASS</u>
2132.170	-42.13	-13.0	29.1	41.3	Horizontal	<u>PASS</u>
3466.334	-47.63	-13.0	34.6	234.5	Horizontal	<u>PASS</u>
17201.995	-28.58	-13.0	15.6	295.8	Horizontal	<u>PASS</u>

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



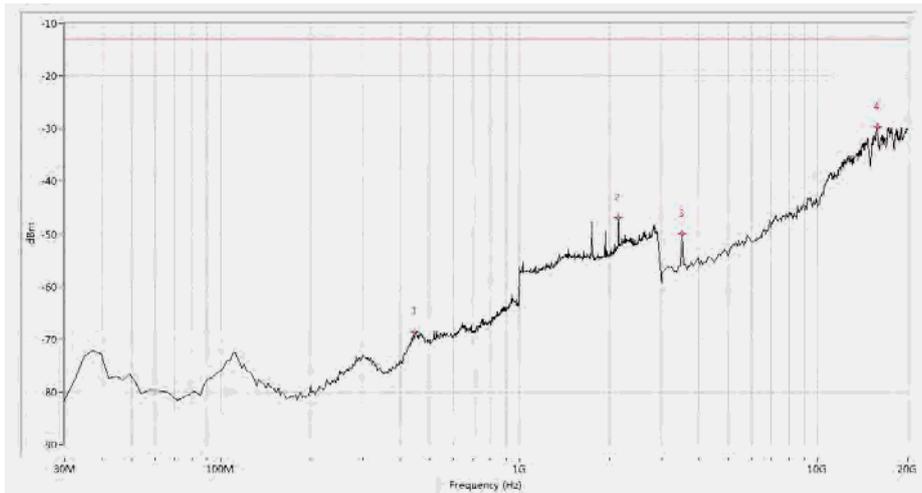
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
450.898	-67.96	-13.0	55.0	351.8	Vertical	<u>PASS</u>
2132.170	-44.84	-13.0	31.8	39.5	Vertical	<u>PASS</u>
3466.334	-49.28	-13.0	36.3	225.2	Vertical	<u>PASS</u>
15760.599	-28.69	-13.0	15.7	3.3	Vertical	<u>PASS</u>

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



Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-72.09	-13.0	59.1	292.9	Horizontal	<u>PASS</u>
2152.120	-46.38	-13.0	33.4	335.0	Horizontal	<u>PASS</u>
3508.728	-49.83	-13.0	36.8	224.4	Horizontal	<u>PASS</u>
15718.204	-29.98	-13.0	17.0	193.5	Horizontal	<u>PASS</u>

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



Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
446.060	-68.56	-13.0	55.6	223.4	Vertical	<u>PASS</u>
2147.132	-46.92	-13.0	33.9	37.2	Vertical	<u>PASS</u>
3508.728	-49.89	-13.0	36.9	233.8	Vertical	<u>PASS</u>
15802.993	-29.70	-13.0	16.7	306.3	Vertical	<u>PASS</u>

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

** END OF REPORT **