

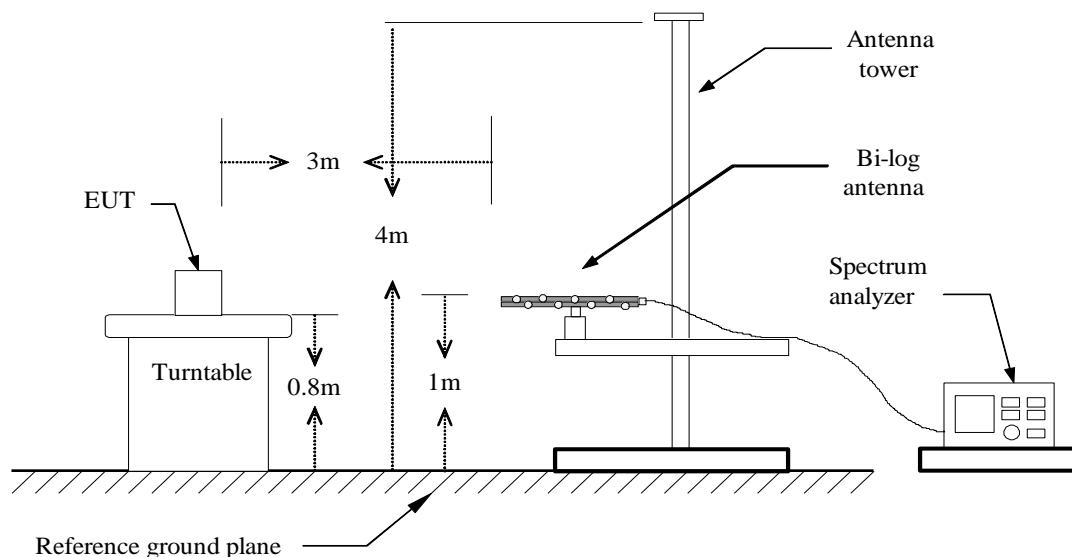
7.6 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

LIMIT

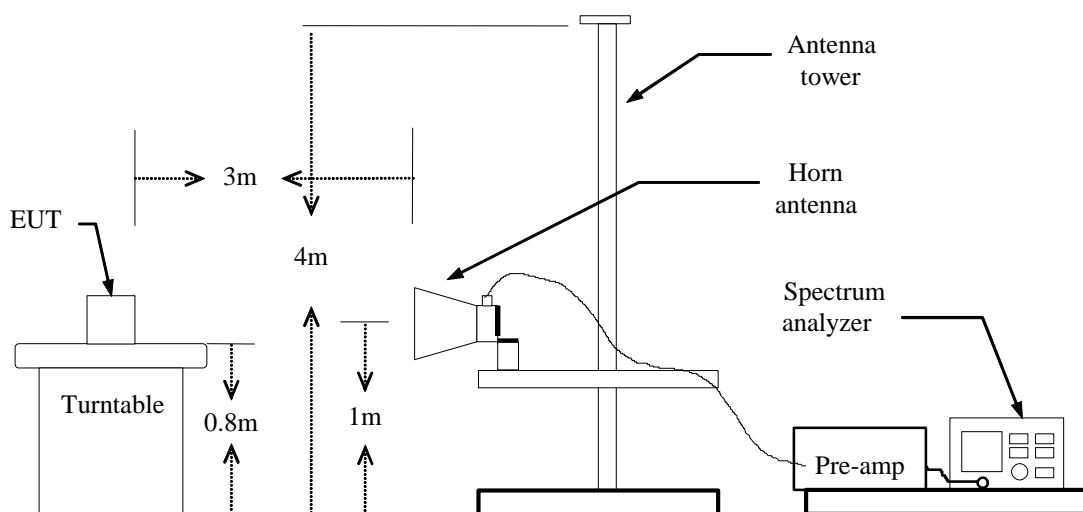
According to FCC §2.1053

Test Configuration

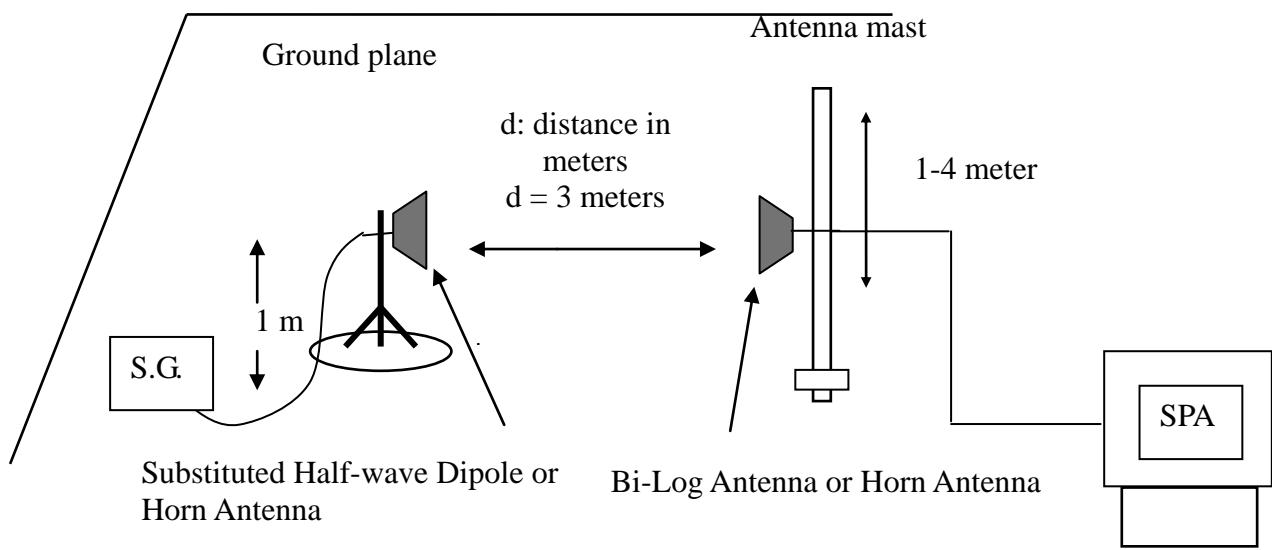
Below 1 GHz



Above 1 GHz



Substituted Method Test Set-up



TEST PROCEDURE

The EUT was placed on a non-conductive, the measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission were identified, the power of the emission was determined using the substitution method.

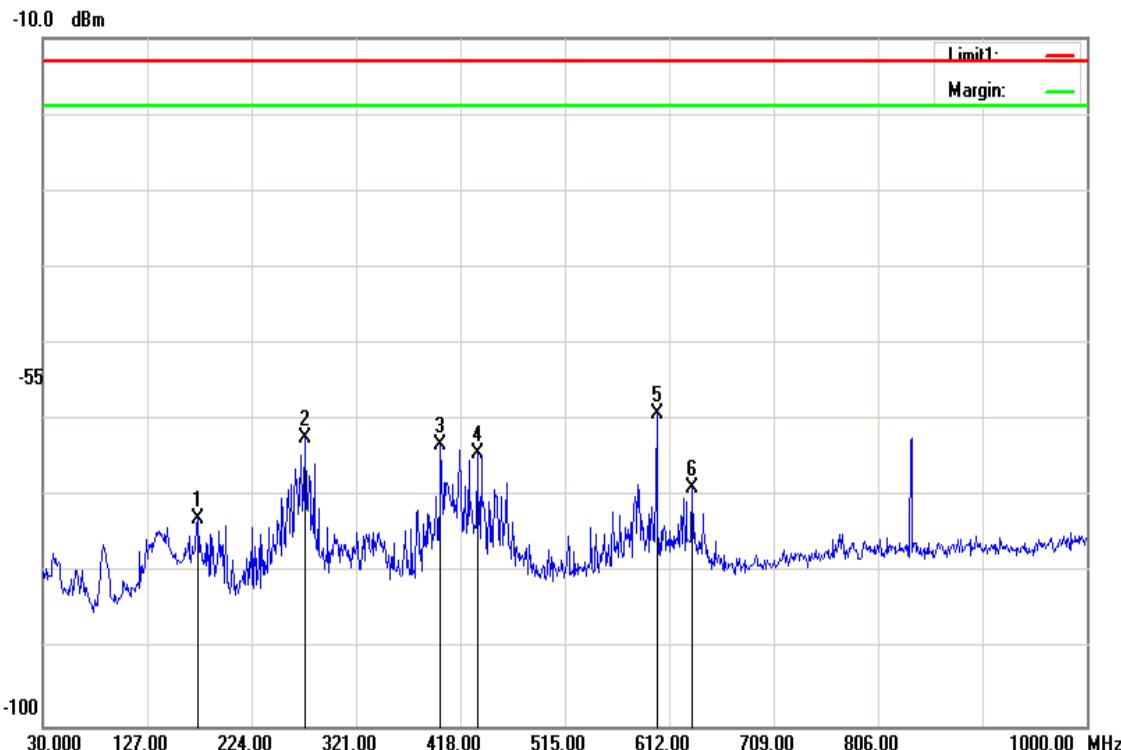
The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

$$\text{ERP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBd)} - \text{Cable (dB)}$$

$$\text{EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBi)} - \text{Cable (dB)}$$

TEST RESULTS

Refer to the attached tabular data sheets.

Radiated Spurious Emission Measurement Result / Below 1GHz**Operation Mode:** GPRS 850 / TX / CH 190**Test Date:** May 23, 2016**Temperature:** 22.6°C**Tested by:** Dennis Li**Humidity:** 57.2 % RH**Polarity:** Ver.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
174.5300	-74.19	1.59	3	-72.78	-13.00	-59.78	V
273.4700	-65.5	1.99	5.17	-62.32	-13.00	-49.32	V
399.5700	-66.75	2.39	5.98	-63.16	-13.00	-50.16	V
433.5200	-67.72	2.5	5.83	-64.39	-13.00	-51.39	V
600.3600	-62.62	2.9	6.4	-59.12	-13.00	-46.12	V
633.3400	-72.13	2.99	6.18	-68.94	-13.00	-55.94	V

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode:

GPRS 850 / TX / CH 190

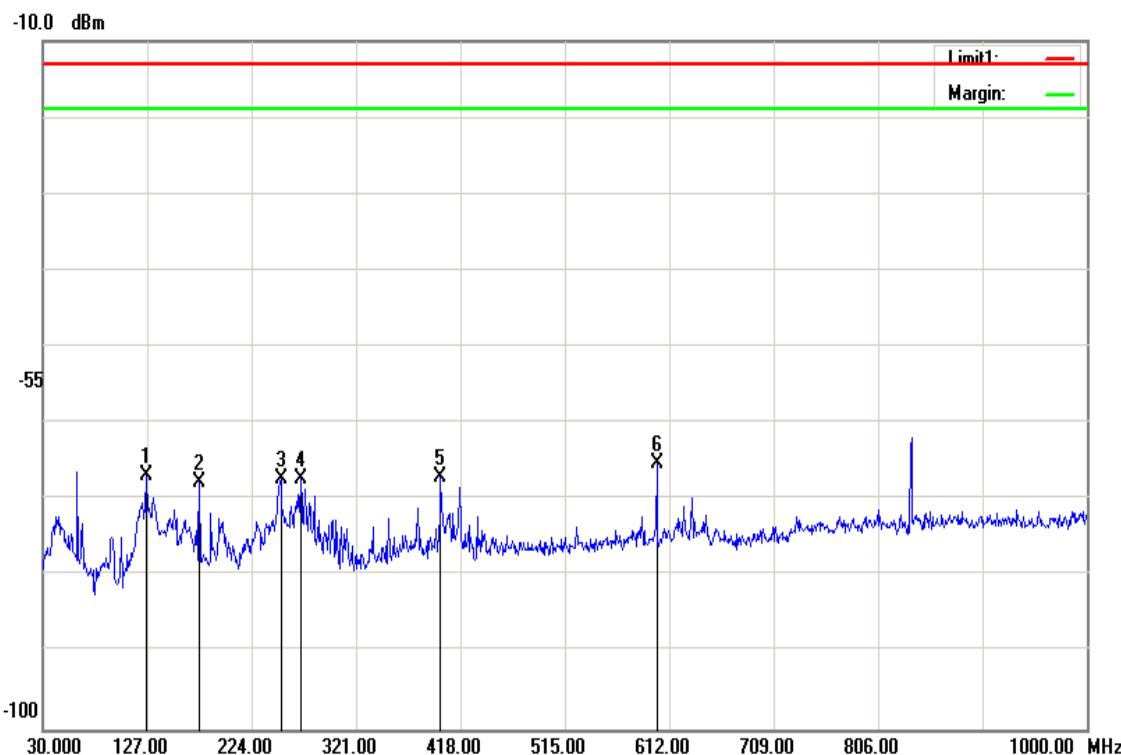
Test Date: May 23, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
126.0300	-63.79	1.32	-1.69	-66.80	-13.00	-53.80	H
175.5000	-69.16	1.59	3.1	-67.65	-13.00	-54.65	H
251.1600	-71.2	1.84	5.69	-67.35	-13.00	-54.35	H
269.5900	-70.39	1.98	5.12	-67.25	-13.00	-54.25	H
399.5700	-70.63	2.39	5.98	-67.04	-13.00	-54.04	H
600.3600	-68.79	2.9	6.4	-65.29	-13.00	-52.29	H

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: GPRS 1900 / TX / CH 661

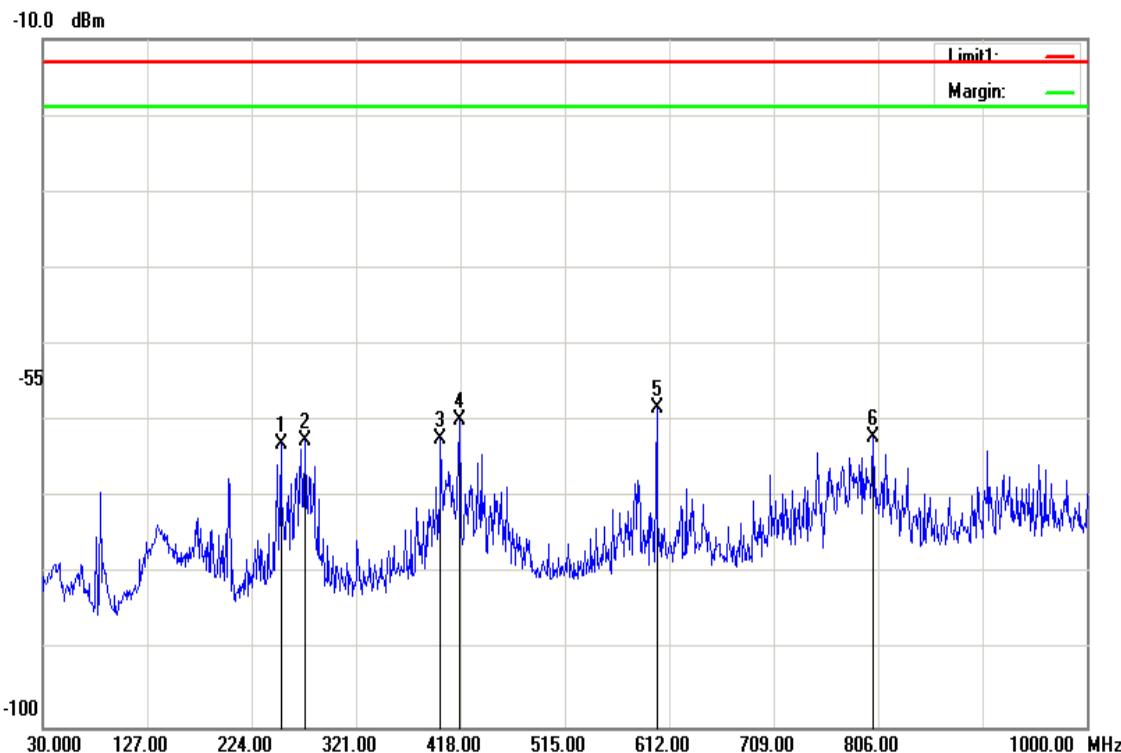
Test Date: May 23, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
251.1600	-66.76	1.84	5.69	-62.91	-13.00	-49.91	V
273.4700	-65.79	1.99	5.17	-62.61	-13.00	-49.61	V
399.5700	-65.93	2.39	5.98	-62.34	-13.00	-49.34	V
417.0300	-63.11	2.46	5.84	-59.73	-13.00	-46.73	V
600.3600	-61.73	2.9	6.4	-58.23	-13.00	-45.23	V
801.1500	-65.21	3.33	6.55	-61.99	-13.00	-48.99	V

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: GPRS 1900 / TX / CH 661

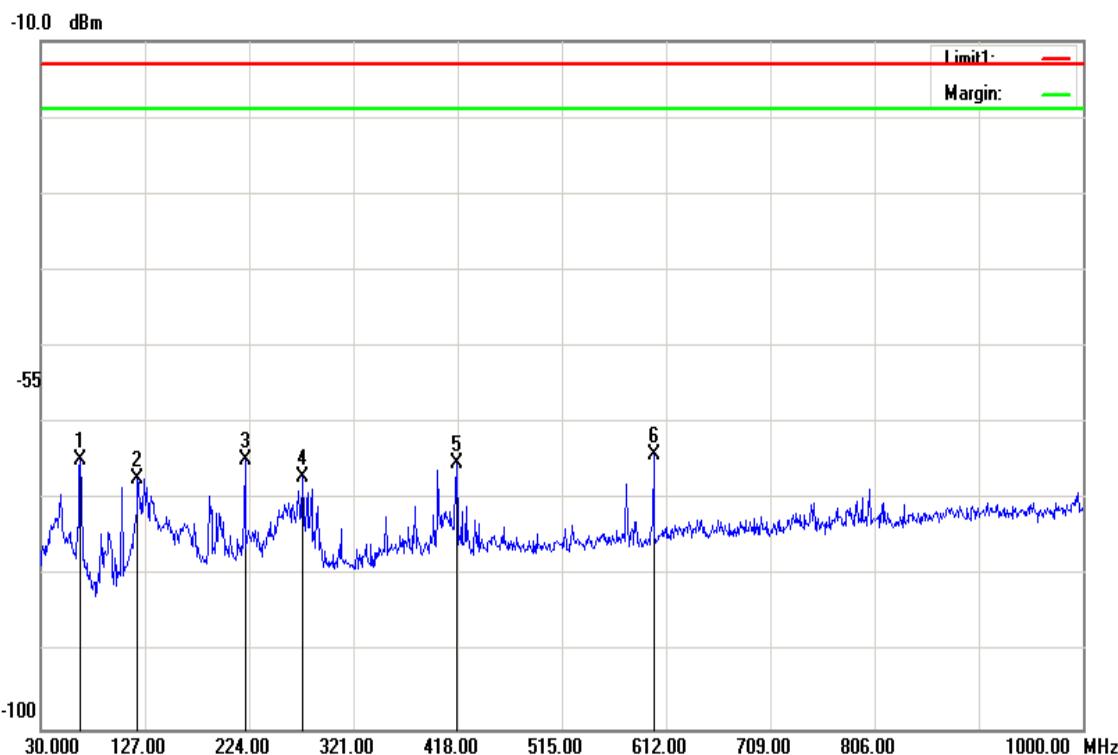
Test Date: May 23, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
66.8600	-62.05	0.93	-1.89	-64.87	-13.00	-51.87	H
120.2100	-63.92	1.27	-2.06	-67.25	-13.00	-54.25	H
220.1200	-68.32	1.76	5.33	-64.75	-13.00	-51.75	H
273.4700	-70.22	1.99	5.17	-67.04	-13.00	-54.04	H
417.0300	-68.51	2.46	5.84	-65.13	-13.00	-52.13	H
600.3600	-67.62	2.9	6.4	-64.12	-13.00	-51.12	H

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode:

EDGE 850 / TX / CH 190

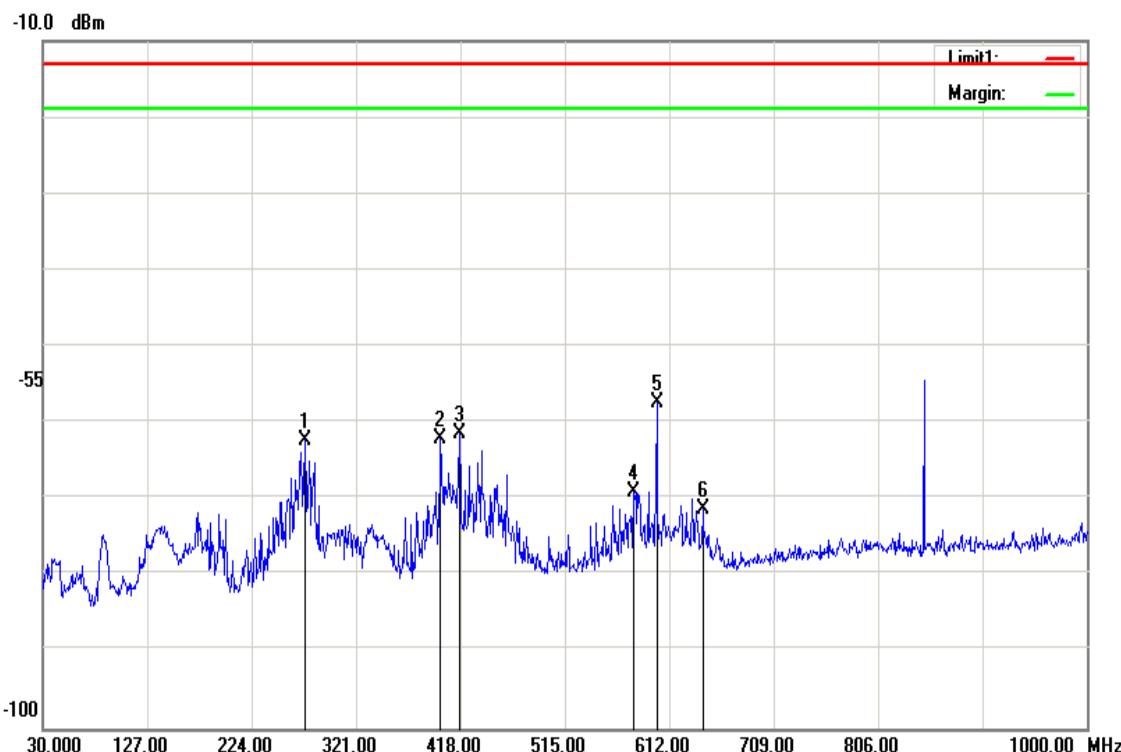
Test Date: May 23, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
273.4700	-65.4	1.99	5.17	-62.22	-13.00	-49.22	V
399.5700	-65.76	2.39	5.98	-62.17	-13.00	-49.17	V
417.0300	-64.88	2.46	5.84	-61.50	-13.00	-48.50	V
579.0200	-72.2	2.89	6.02	-69.07	-13.00	-56.07	V
600.3600	-60.89	2.9	6.4	-57.39	-13.00	-44.39	V
643.0400	-74.41	3.01	6.16	-71.26	-13.00	-58.26	V

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode:

EDGE 850 / TX / CH 190

Test Date: May 23, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
123.1200	-59.87	1.29	-1.87	-63.03	-13.00	-50.03	H
250.1900	-70.05	1.84	5.68	-66.21	-13.00	-53.21	H
266.6800	-69.8	1.96	5.27	-66.49	-13.00	-53.49	H
399.5700	-69.59	2.39	5.98	-66.00	-13.00	-53.00	H
417.0300	-68.77	2.46	5.84	-65.39	-13.00	-52.39	H
600.3600	-67.81	2.9	6.4	-64.31	-13.00	-51.31	H

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: EDGE 1900 / TX / CH 661

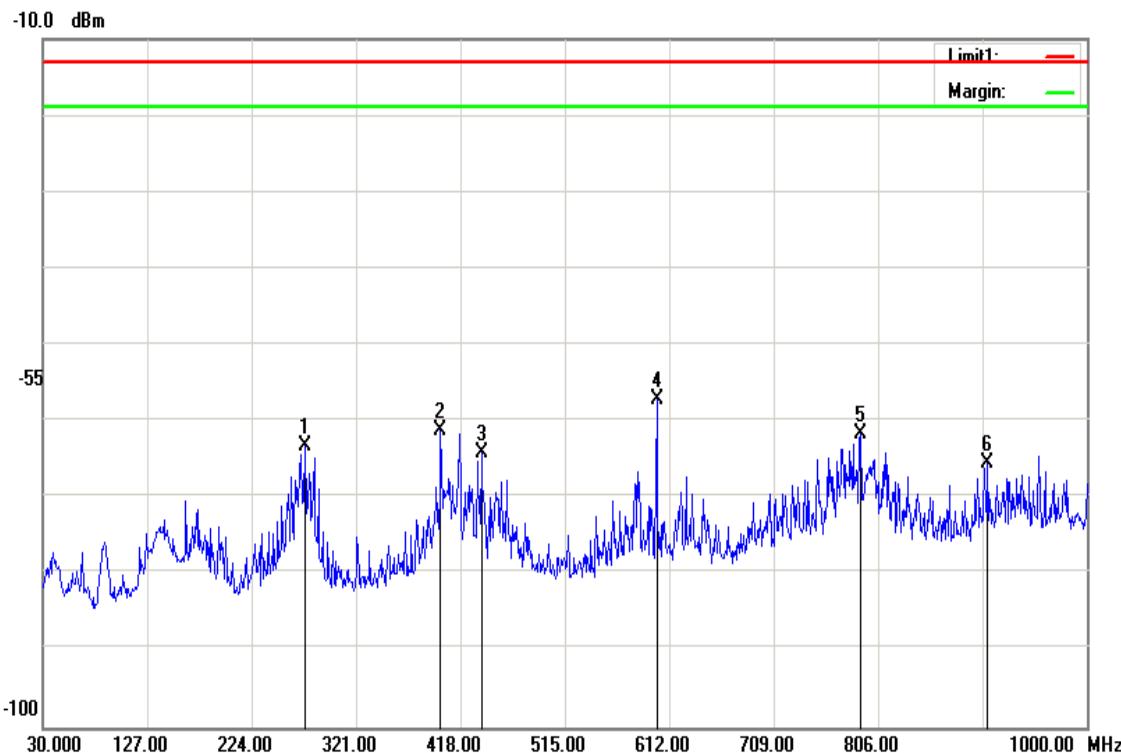
Test Date: May 23, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



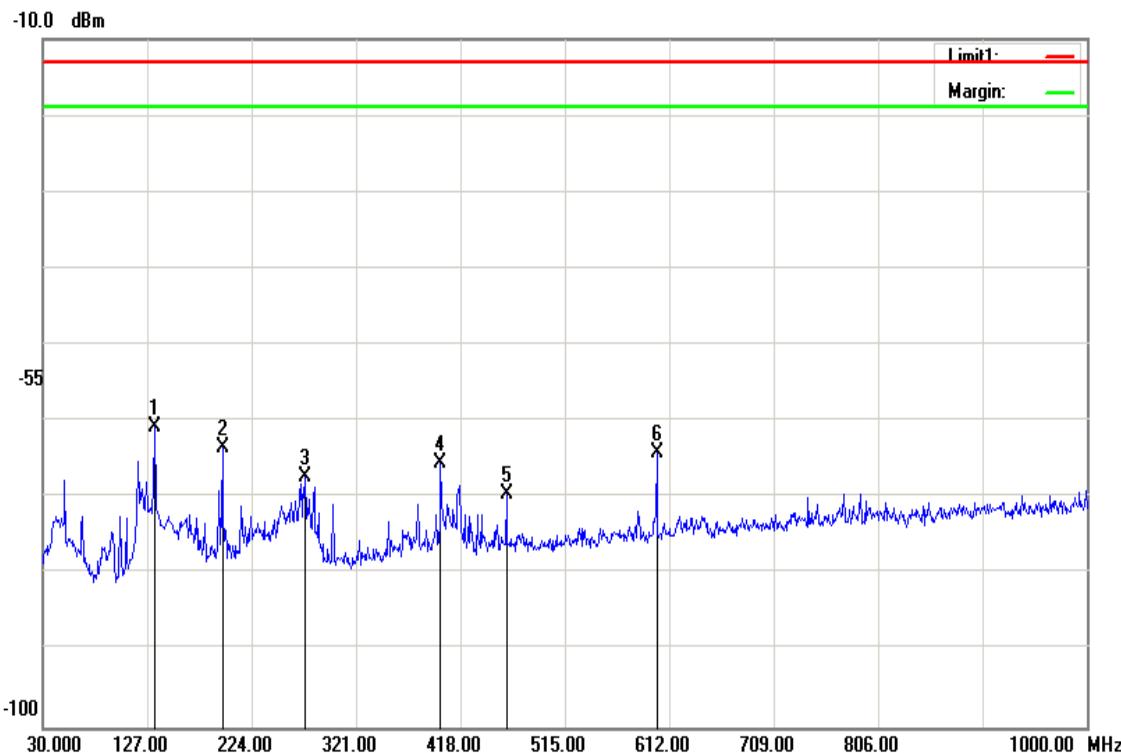
Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
273.4700	-66.38	1.99	5.17	-63.20	-13.00	-50.20	V
399.5700	-64.85	2.39	5.98	-61.26	-13.00	-48.26	V
437.4000	-67.41	2.52	5.88	-64.05	-13.00	-51.05	V
600.3600	-60.7	2.9	6.4	-57.20	-13.00	-44.20	V
789.5100	-64.46	3.33	6.21	-61.58	-13.00	-48.58	V
907.8500	-68.49	3.56	6.6	-65.45	-13.00	-52.45	V

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: EDGE 1900 / TX / CH 661
Temperature: 22.6°C
Humidity: 57.2 % RH

Test Date: May 23, 2016
Tested by: Dennis Li
Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
133.7900	-58.43	1.36	-0.95	-60.74	-13.00	-47.74	H
196.8400	-65.16	1.63	3.26	-63.53	-13.00	-50.53	H
273.4700	-70.49	1.99	5.17	-67.31	-13.00	-54.31	H
399.5700	-69	2.39	5.98	-65.41	-13.00	-52.41	H
460.6800	-72.7	2.6	5.87	-69.43	-13.00	-56.43	H
600.3600	-67.68	2.9	6.4	-64.18	-13.00	-51.18	H

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: WCDMA Band II / TX / CH 9400

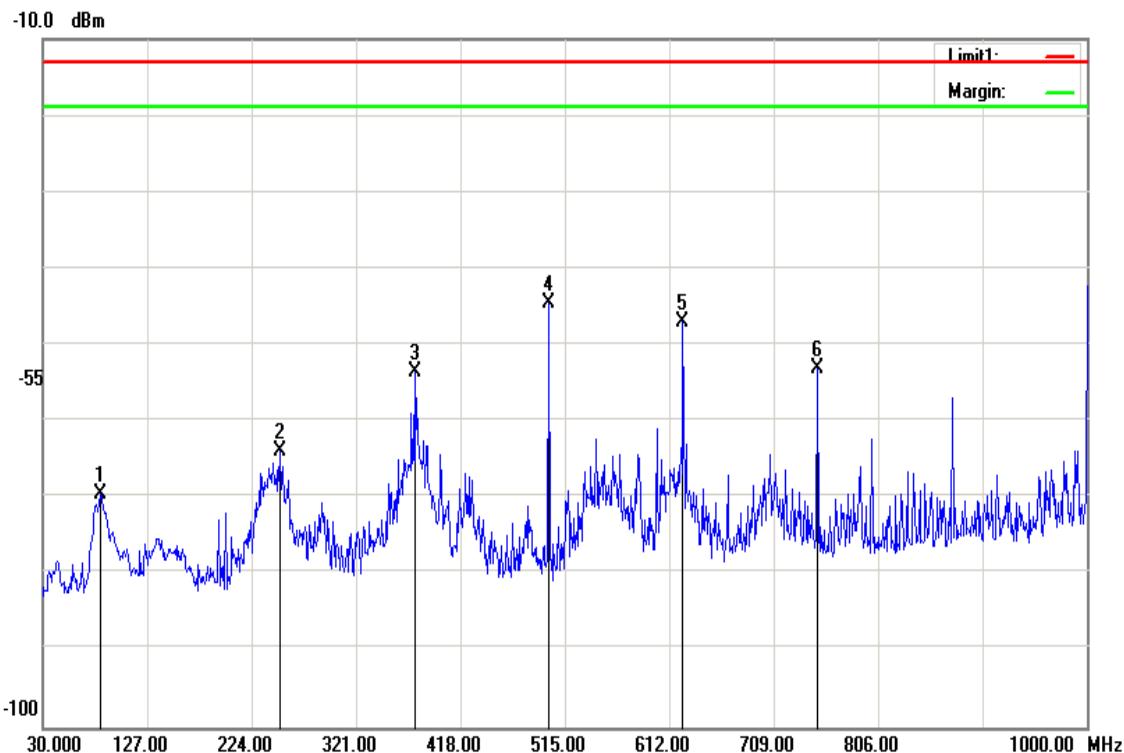
Test Date: May 23, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
83.3500	-68.66	1.07	0.28	-69.45	-13.00	-56.45	V
250.1900	-67.69	1.84	5.68	-63.85	-13.00	-50.85	V
375.3200	-57.18	2.31	5.91	-53.58	-13.00	-40.58	V
500.4500	-47.77	2.7	5.9	-44.57	-13.00	-31.57	V
624.6100	-50.21	2.96	6.15	-47.02	-13.00	-34.02	V
749.7400	-55.89	3.2	6.1	-52.99	-13.00	-39.99	V

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: WCDMA Band II / TX / CH 9400

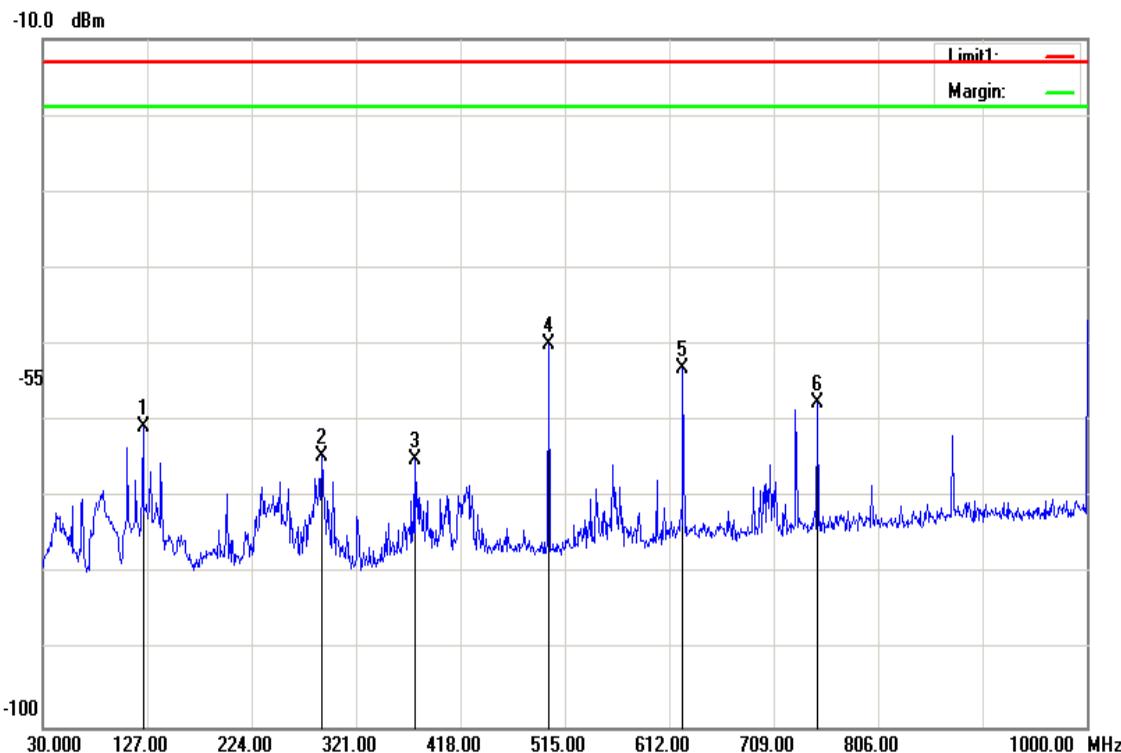
Test Date: May 23, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
123.1200	-57.6	1.29	-1.87	-60.76	-13.00	-47.76	H
288.9900	-67.94	2.02	5.39	-64.57	-13.00	-51.57	H
375.3200	-68.55	2.31	5.91	-64.95	-13.00	-51.95	H
500.4500	-53.16	2.7	5.9	-49.96	-13.00	-36.96	H
624.6100	-56.29	2.96	6.15	-53.10	-13.00	-40.10	H
749.7400	-60.55	3.2	6.1	-57.65	-13.00	-44.65	H

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: WCDMA Band V / TX / CH 4182

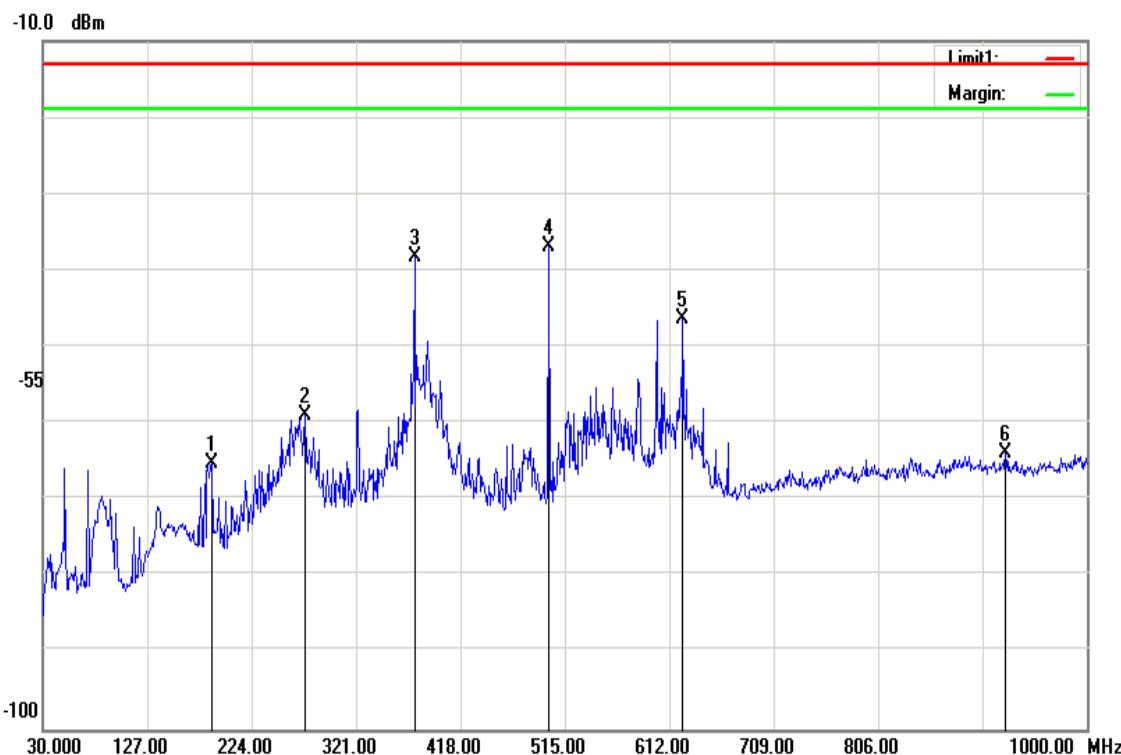
Test Date: May 23, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
187.1400	-67.47	1.62	3.89	-65.20	-13.00	-52.20	V
273.4700	-55.67	1.99	5.17	-58.85	-13.00	-45.85	V
375.3200	-34.74	2.31	5.91	-38.34	-13.00	-25.34	V
500.4500	-33.76	2.7	5.9	-36.96	-13.00	-23.96	V
624.6100	-43.17	2.96	6.15	-46.36	-13.00	-33.36	V
924.3400	-60.93	3.59	6.51	-63.85	-13.00	-50.85	V

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: WCDMA Band V / TX / CH 4182

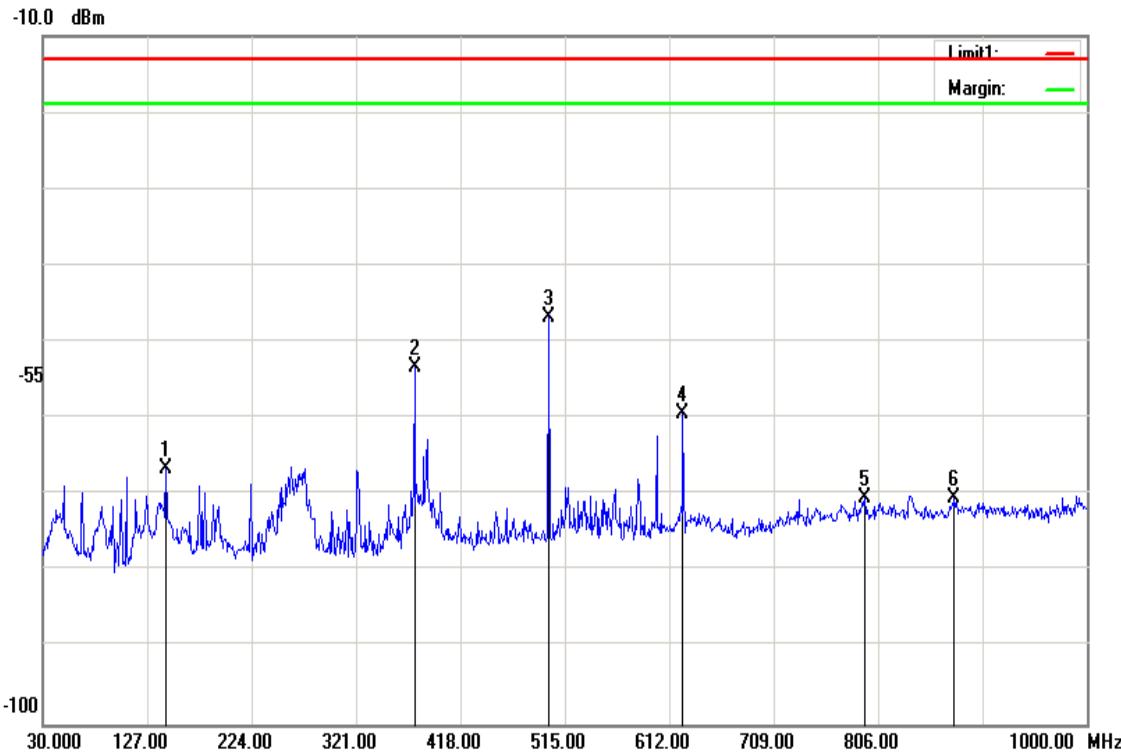
Temperature: 22.6°C

Humidity: 57.2 % RH

Test Date: May 23, 2016

Tested by: Dennis Li

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
144.4600	-65.32	1.41	0.17	-66.56	-13.00	-53.56	H
375.3200	-56.81	2.31	5.91	-53.21	-13.00	-40.21	H
500.4500	-49.91	2.7	5.9	-46.71	-13.00	-33.71	H
624.6100	-62.55	2.96	6.15	-59.36	-13.00	-46.36	H
793.3900	-73.42	3.33	6.33	-70.42	-13.00	-57.42	H
876.8100	-73.64	3.46	6.63	-70.47	-13.00	-57.47	H

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSDPA Band II / TX / CH 9400

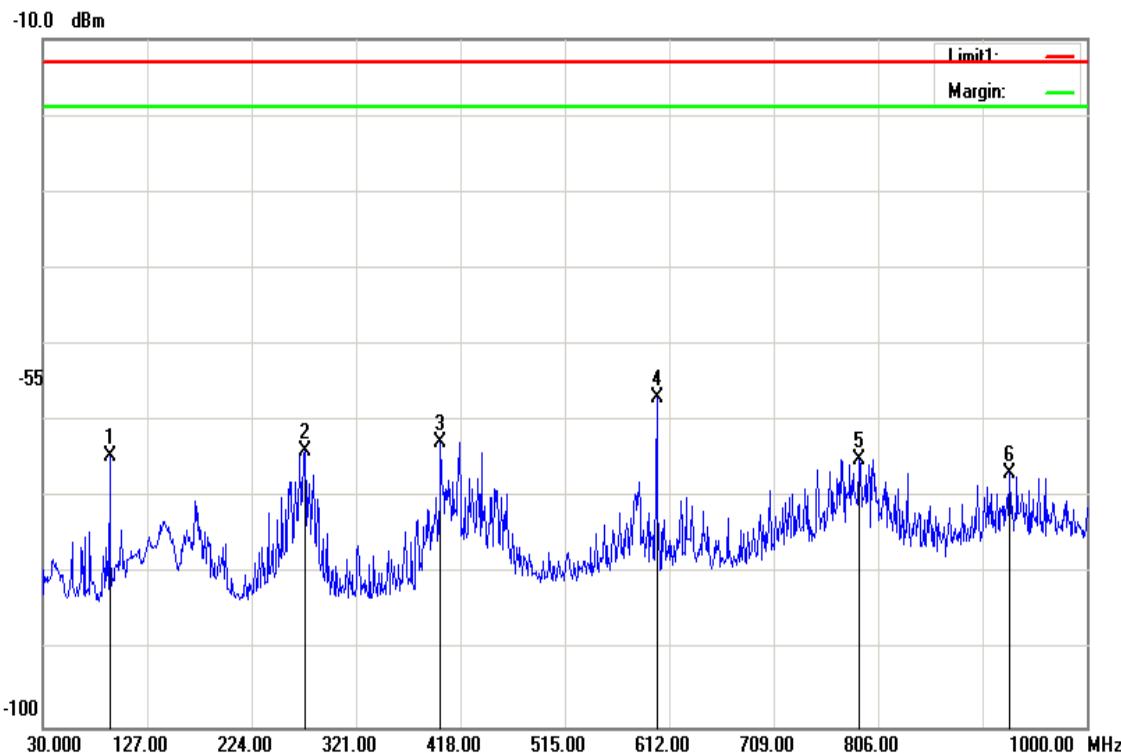
Test Date: May 23, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
92.0800	-64.43	1.12	0.89	-64.66	-13.00	-51.66	V
273.4700	-67.13	1.99	5.17	-63.95	-13.00	-50.95	V
399.5700	-66.33	2.39	5.98	-62.74	-13.00	-49.74	V
600.3600	-60.46	2.9	6.4	-56.96	-13.00	-43.96	V
788.5400	-67.82	3.33	6.2	-64.95	-13.00	-51.95	V
928.2200	-69.63	3.6	6.44	-66.79	-13.00	-53.79	V

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSDPA Band II / TX / CH 9400

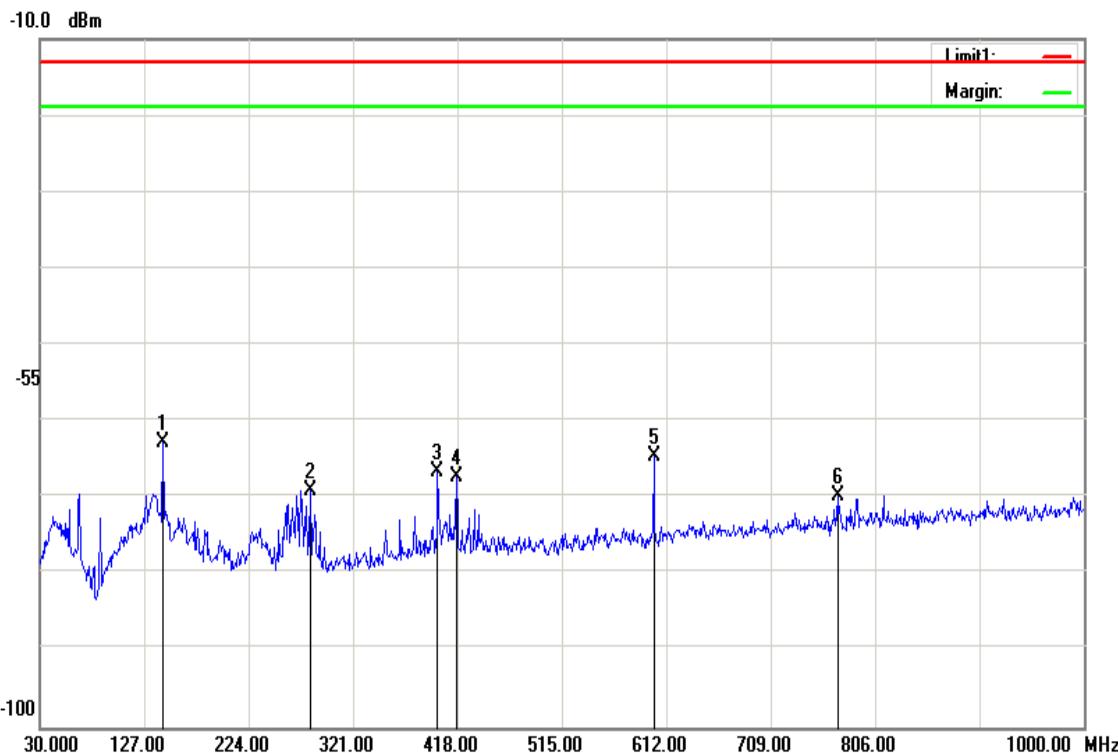
Test Date: May 23, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
144.4600	-61.55	1.41	0.17	-62.79	-13.00	-49.79	H
281.2300	-72.3	2	5.32	-68.98	-13.00	-55.98	H
399.5700	-70.07	2.39	5.98	-66.48	-13.00	-53.48	H
417.0300	-70.75	2.46	5.84	-67.37	-13.00	-54.37	H
600.3600	-68	2.9	6.4	-64.50	-13.00	-51.50	H
771.0800	-72.79	3.27	6.35	-69.71	-13.00	-56.71	H

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSDPA Band V / TX / CH 4182

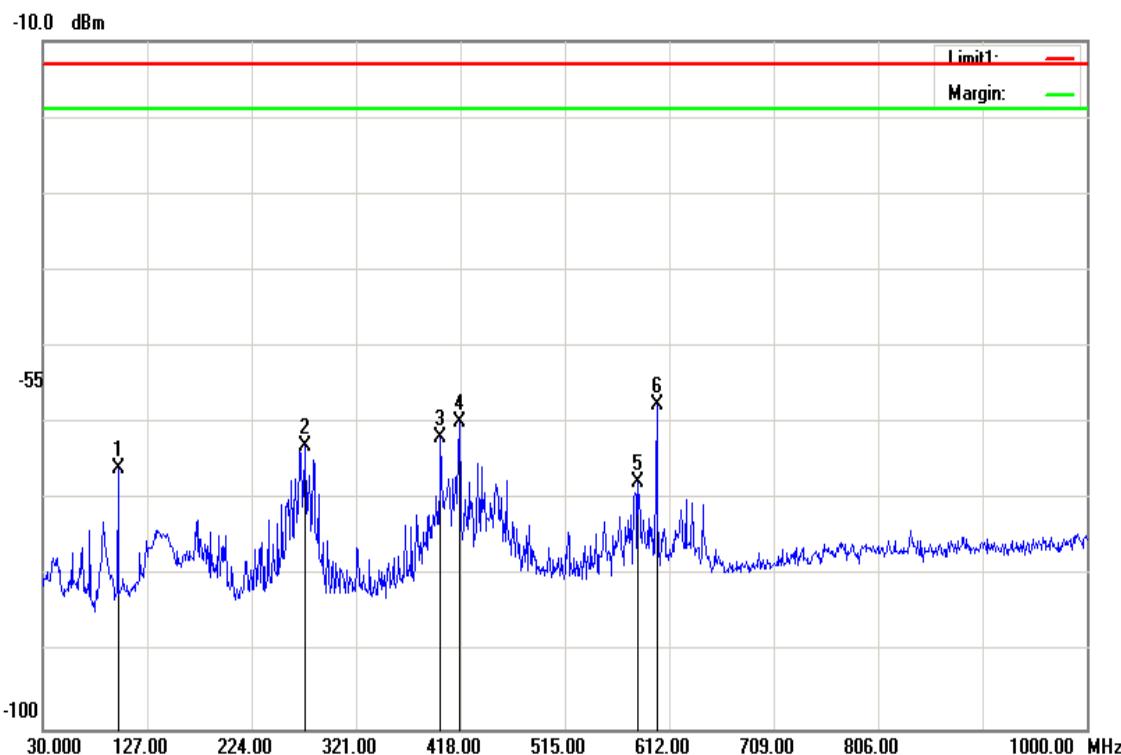
Test Date: May 23, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
99.8400	-64.49	1.15	-0.37	-66.01	-13.00	-53.01	V
273.4700	-66.25	1.99	5.17	-63.07	-13.00	-50.07	V
399.5700	-65.35	2.39	5.98	-61.76	-13.00	-48.76	V
417.0300	-63.19	2.46	5.84	-59.81	-13.00	-46.81	V
582.9000	-70.8	2.89	6.06	-67.63	-13.00	-54.63	V
600.3600	-61.12	2.9	6.4	-57.62	-13.00	-44.62	V

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSDPA Band V / TX / CH 4182

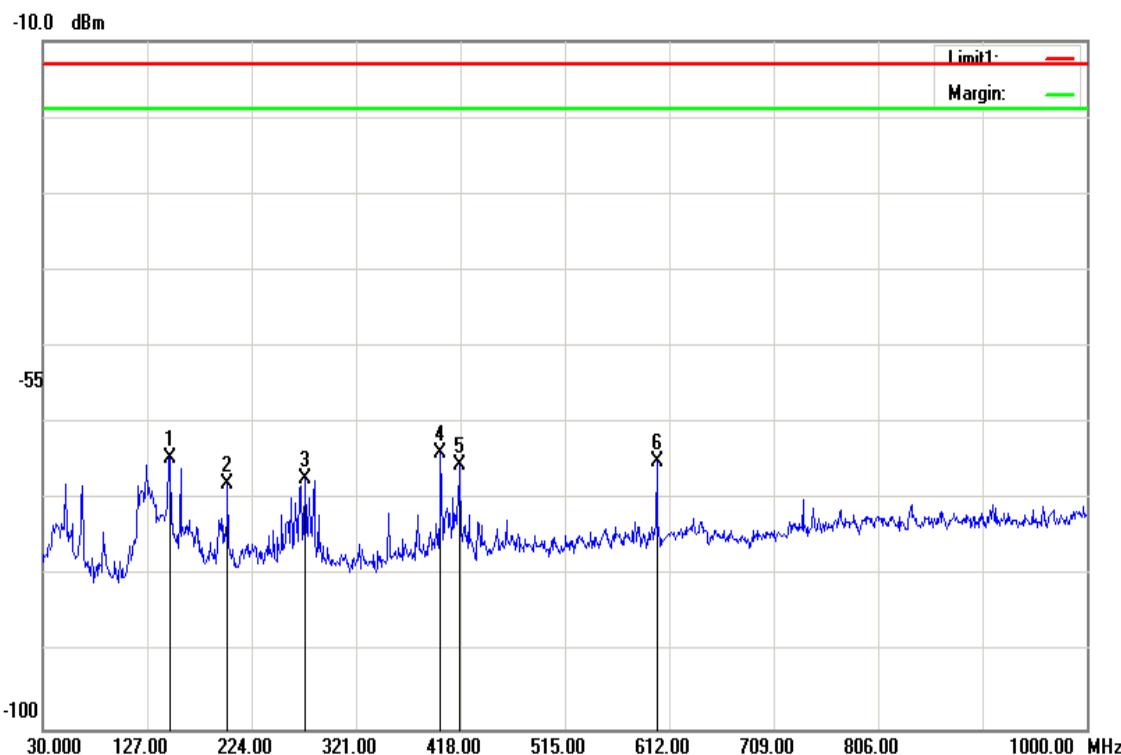
Test Date: May 23, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
148.3400	-63.6	1.42	0.53	-64.49	-13.00	-51.49	H
201.6900	-69.71	1.64	3.44	-67.91	-13.00	-54.91	H
273.4700	-70.4	1.99	5.17	-67.22	-13.00	-54.22	H
399.5700	-67.53	2.39	5.98	-63.94	-13.00	-50.94	H
417.0300	-68.91	2.46	5.84	-65.53	-13.00	-52.53	H
600.3600	-68.53	2.9	6.4	-65.03	-13.00	-52.03	H

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSUPA Band II / TX / CH 9400

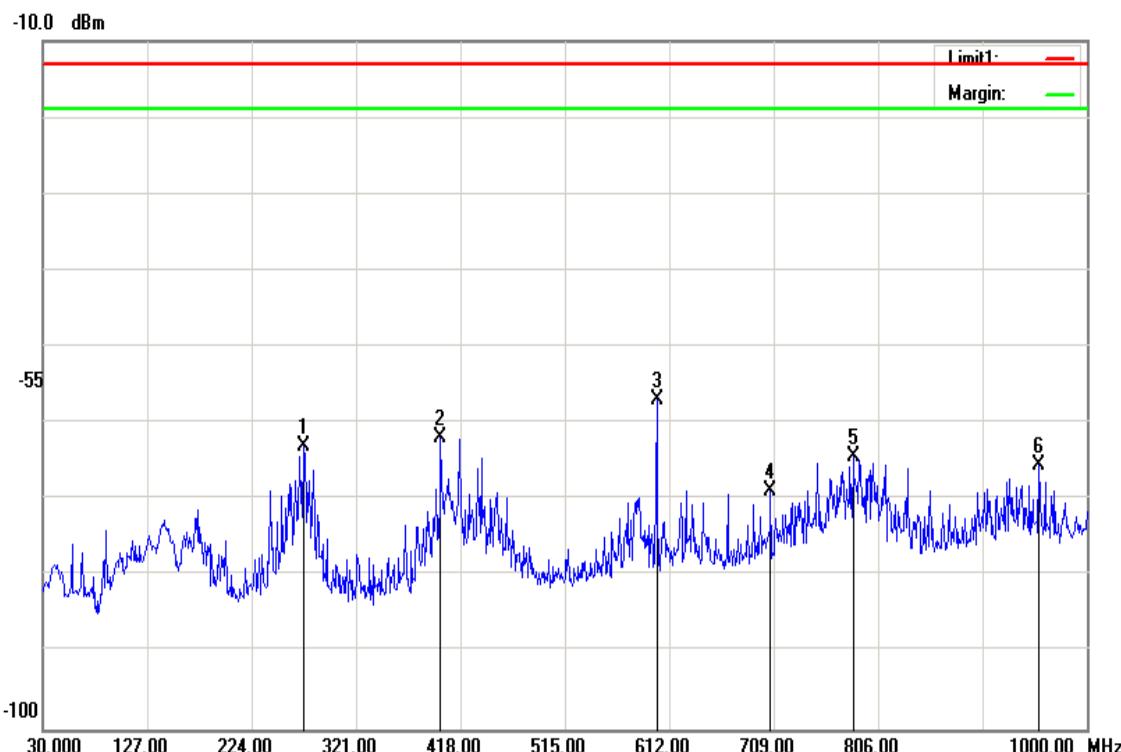
Test Date: May 23, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
272.5000	-66.16	1.99	5.15	-63.00	-13.00	-50.00	V
399.5700	-65.37	2.39	5.98	-61.78	-13.00	-48.78	V
600.3600	-60.37	2.9	6.4	-56.87	-13.00	-43.87	V
706.0900	-72	3.13	6.33	-68.80	-13.00	-55.80	V
782.7200	-67.27	3.31	6.14	-64.44	-13.00	-51.44	V
955.3800	-68.24	3.65	6.37	-65.52	-13.00	-52.52	V

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSUPA Band II / TX / CH 9400

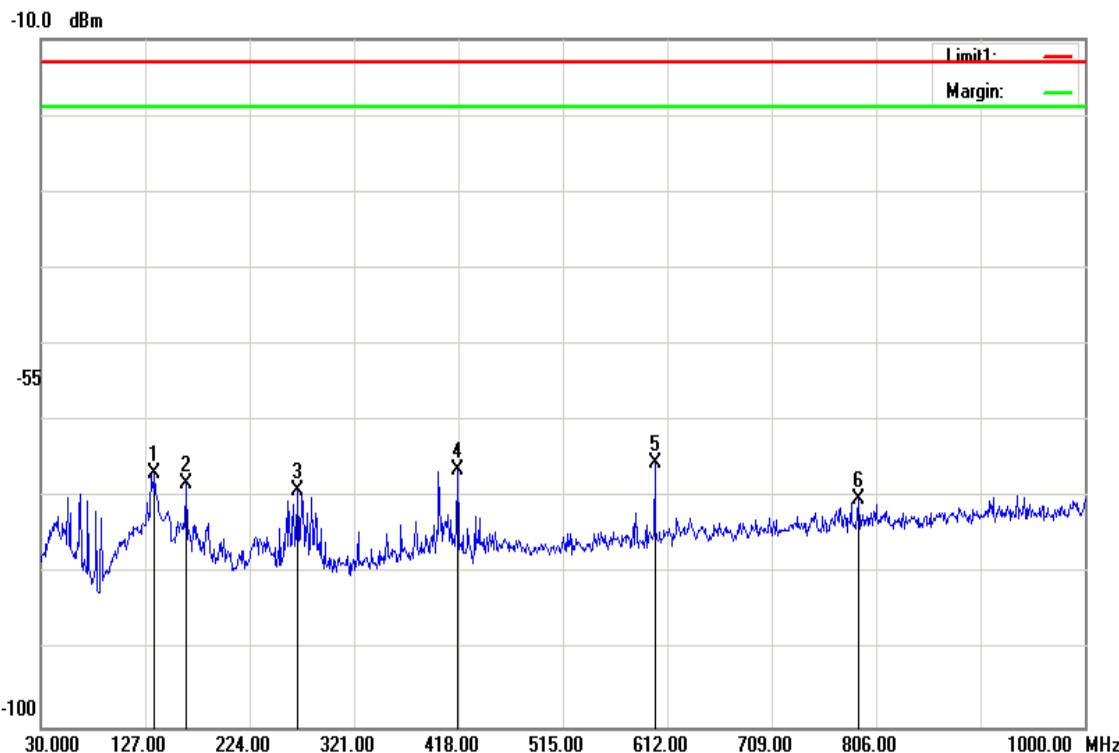
Test Date: May 23, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
135.7300	-64.64	1.37	-0.72	-66.73	-13.00	-53.73	H
164.8300	-68.63	1.52	1.94	-68.21	-13.00	-55.21	H
268.6200	-72.27	1.97	5.17	-69.07	-13.00	-56.07	H
417.0300	-69.82	2.46	5.84	-66.44	-13.00	-53.44	H
600.3600	-68.91	2.9	6.4	-65.41	-13.00	-52.41	H
789.5100	-73	3.33	6.21	-70.12	-13.00	-57.12	H

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSUPA Band V / TX / CH 4182

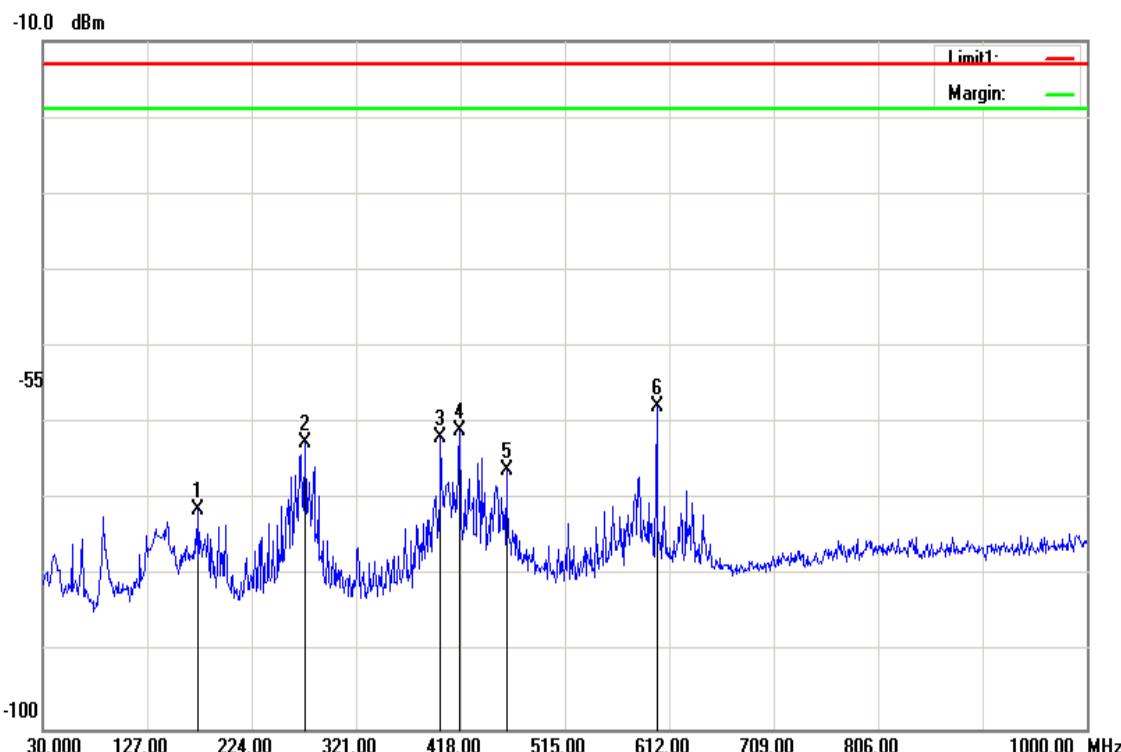
Test Date: May 23, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
174.5300	-72.83	1.59	3	-71.42	-13.00	-58.42	V
273.4700	-65.62	1.99	5.17	-62.44	-13.00	-49.44	V
399.5700	-65.45	2.39	5.98	-61.86	-13.00	-48.86	V
417.0300	-64.35	2.46	5.84	-60.97	-13.00	-47.97	V
460.6800	-69.36	2.6	5.87	-66.09	-13.00	-53.09	V
600.3600	-61.26	2.9	6.4	-57.76	-13.00	-44.76	V

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSUPA Band V / TX / CH 4182

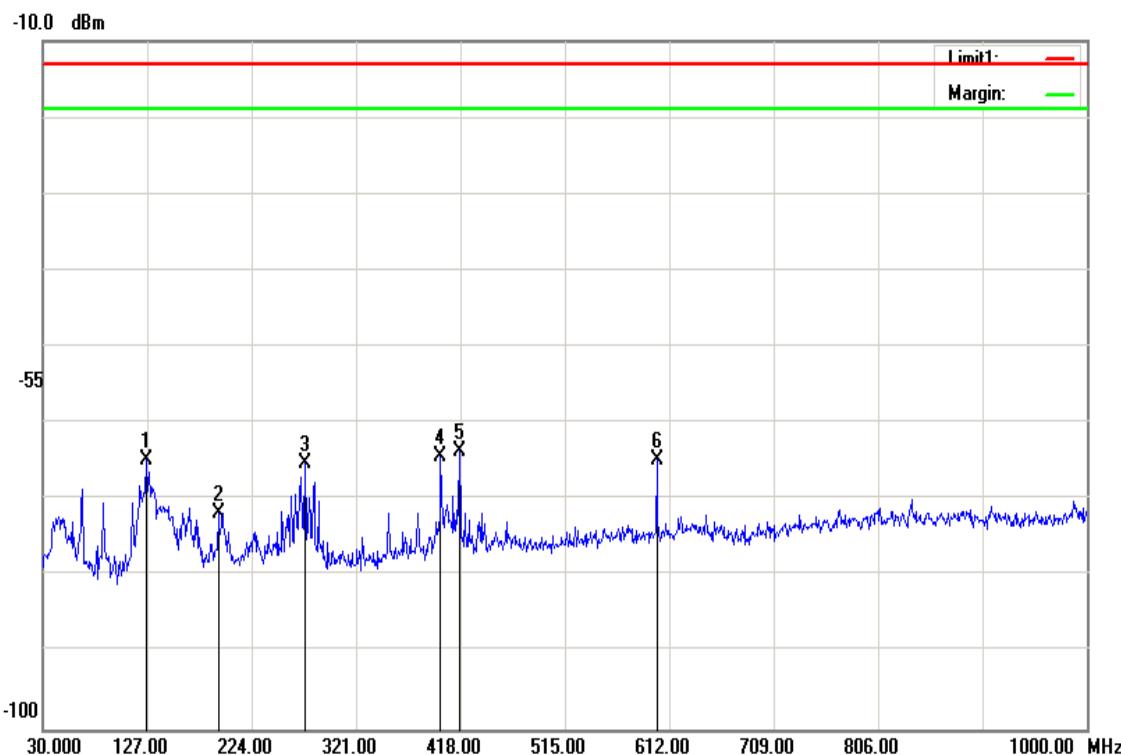
Test Date: May 23, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

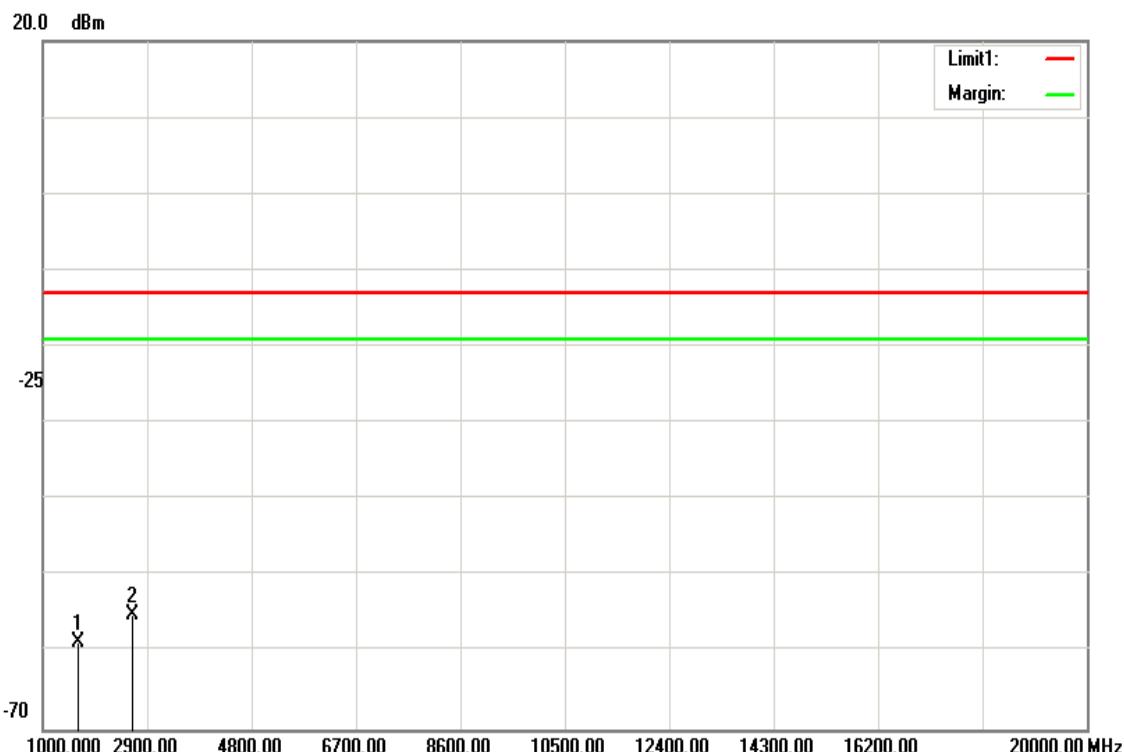
Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
126.0300	-61.78	1.32	-1.69	-64.79	-13.00	-51.79	H
192.9600	-73.72	1.62	3.68	-71.66	-13.00	-58.66	H
273.4700	-68.38	1.99	5.17	-65.20	-13.00	-52.20	H
399.5700	-68.01	2.39	5.98	-64.42	-13.00	-51.42	H
417.0300	-67.11	2.46	5.84	-63.73	-13.00	-50.73	H
600.3600	-68.21	2.9	6.4	-64.71	-13.00	-51.71	H

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Above 1GHz**Operation Mode:** GPRS 850 / TX / CH 128**Test Date:** April 14, 2016**Temperature:** 22.6°C**Tested by:** Dennis Li**Humidity:** 57.2 % RH**Polarity:** Ver.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1651.000	-59.6	5.05	6.03	-58.62	-13.00	-45.62	V
2631.000	-54.84	6.56	6.44	-54.96	-13.00	-41.96	V
N/A							

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode:

GPRS 850 / TX / CH 128

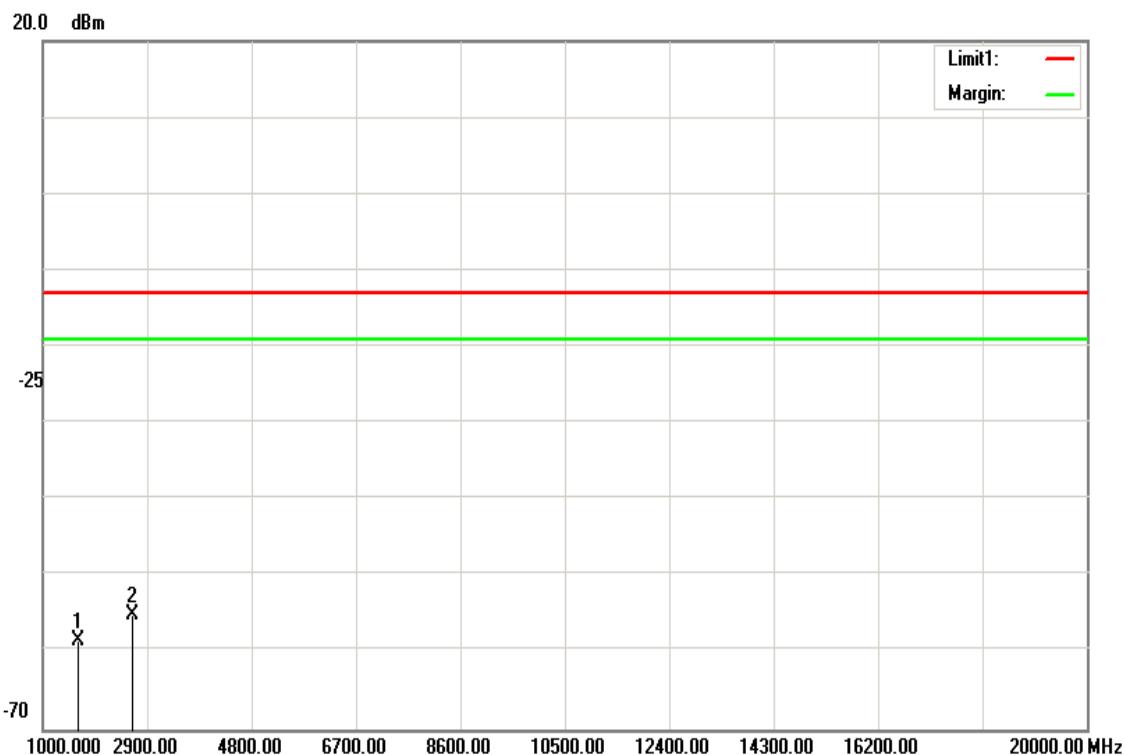
Test Date: April 14, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1651.000	-59.41	5.05	6.03	-58.43	-13.00	-45.43	H
2631.000	-54.92	6.56	6.44	-55.04	-13.00	-42.04	H
N/A							

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode:

GPRS 850 / TX / CH 190

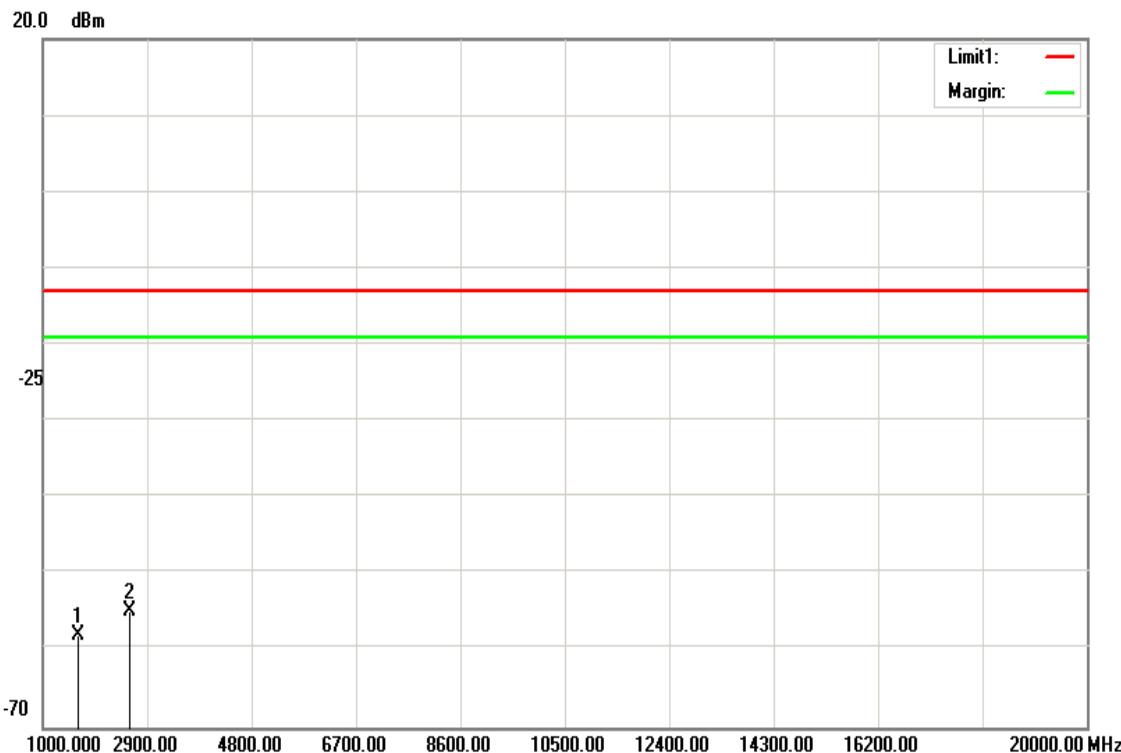
Test Date: April 14, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1644.000	-58.97	5.04	6.04	-57.97	-13.00	-44.97	V
2582.000	-54.56	6.46	6.31	-54.71	-13.00	-41.71	V
N/A							

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode:

GPRS 850 / TX / CH 190

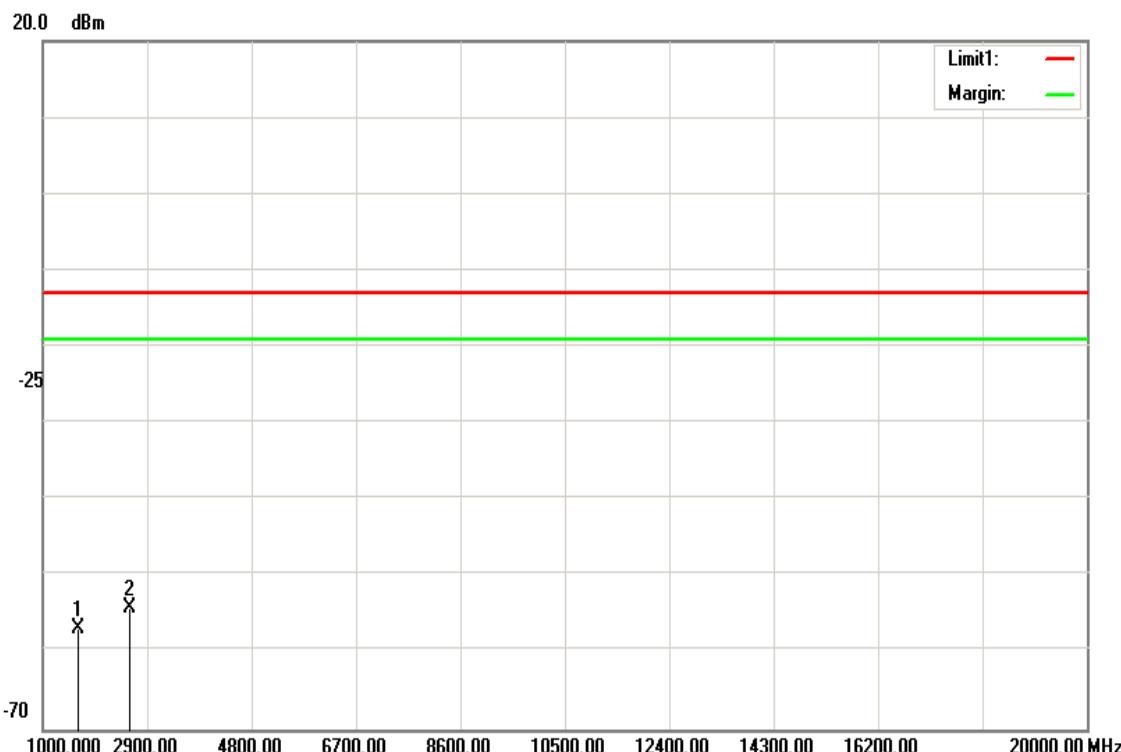
Test Date: May 23, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1644.000	-57.91	5.04	6.04	-56.91	-13.00	-43.91	H
2582.000	-53.97	6.46	6.31	-54.12	-13.00	-41.12	H
N/A							

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode:

GPRS 850 / TX / CH 251

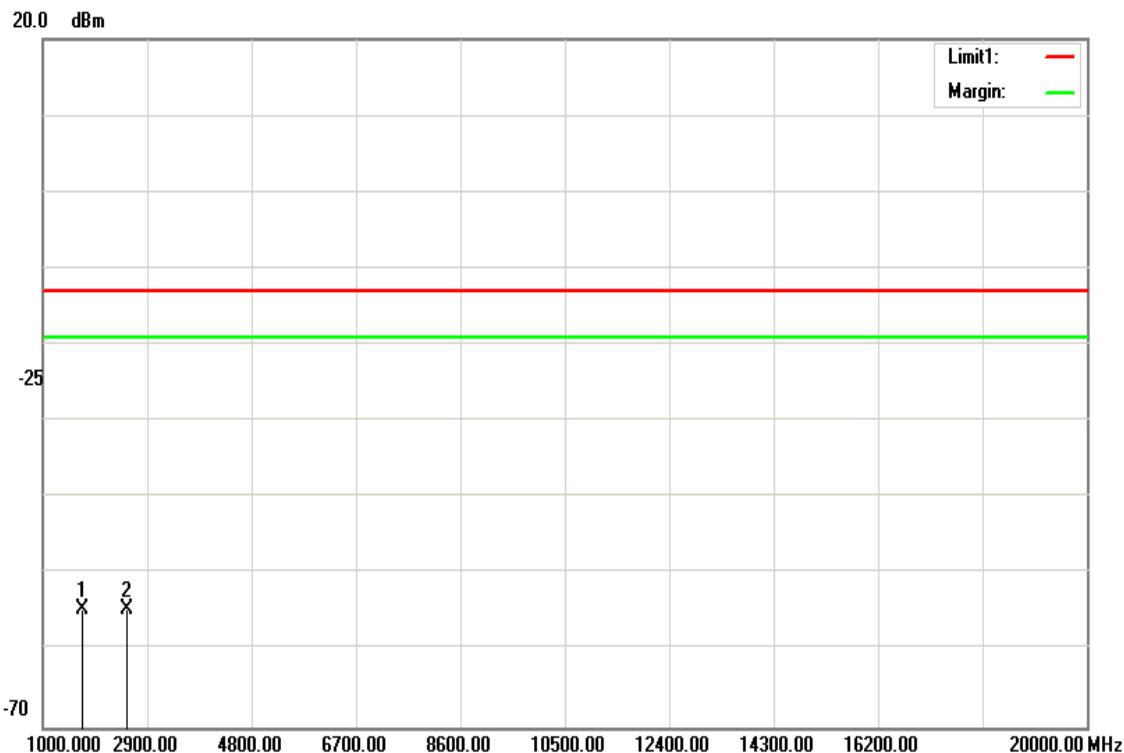
Test Date: May 23, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1721.000	-55.31	5.15	5.9	-54.56	-13.00	-41.56	V
2526.000	-54.32	6.39	6.17	-54.54	-13.00	-41.54	V
N/A							

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode:

GPRS 850 / TX / CH 251

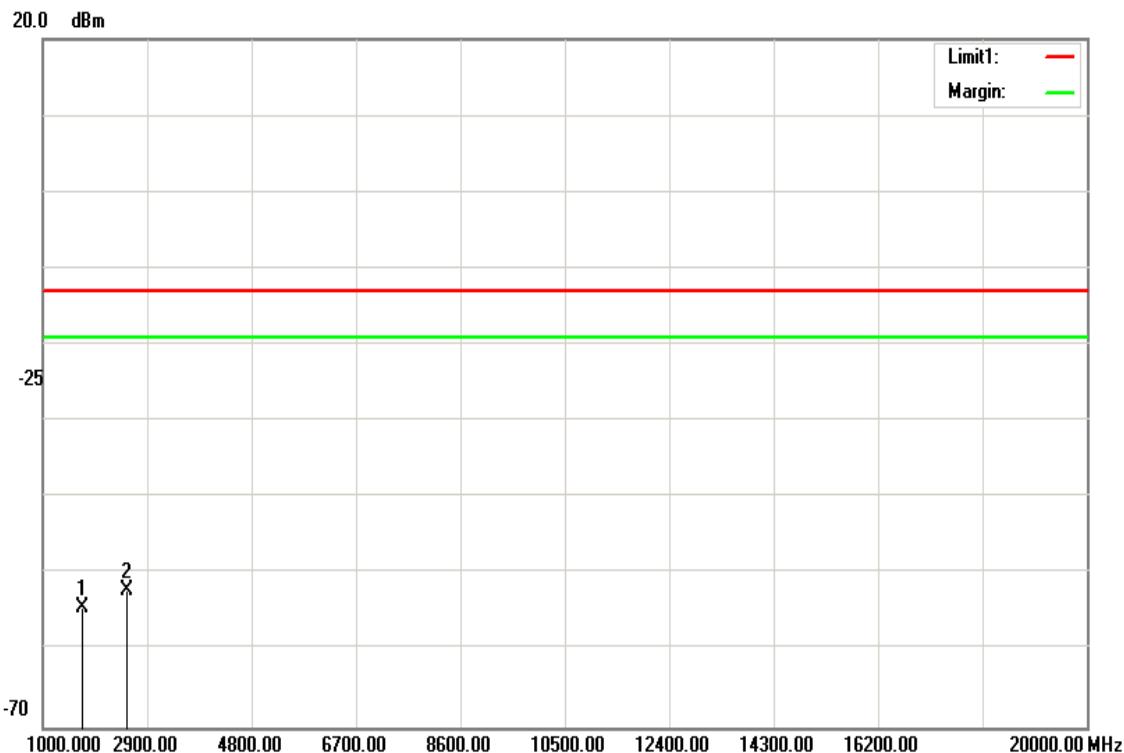
Test Date: May 23, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1721.000	-55.06	5.15	5.9	-54.31	-13.00	-41.31	H
2526.000	-51.87	6.39	6.17	-52.09	-13.00	-39.09	H
N/A							

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: GPRS 1900 / TX / CH 512

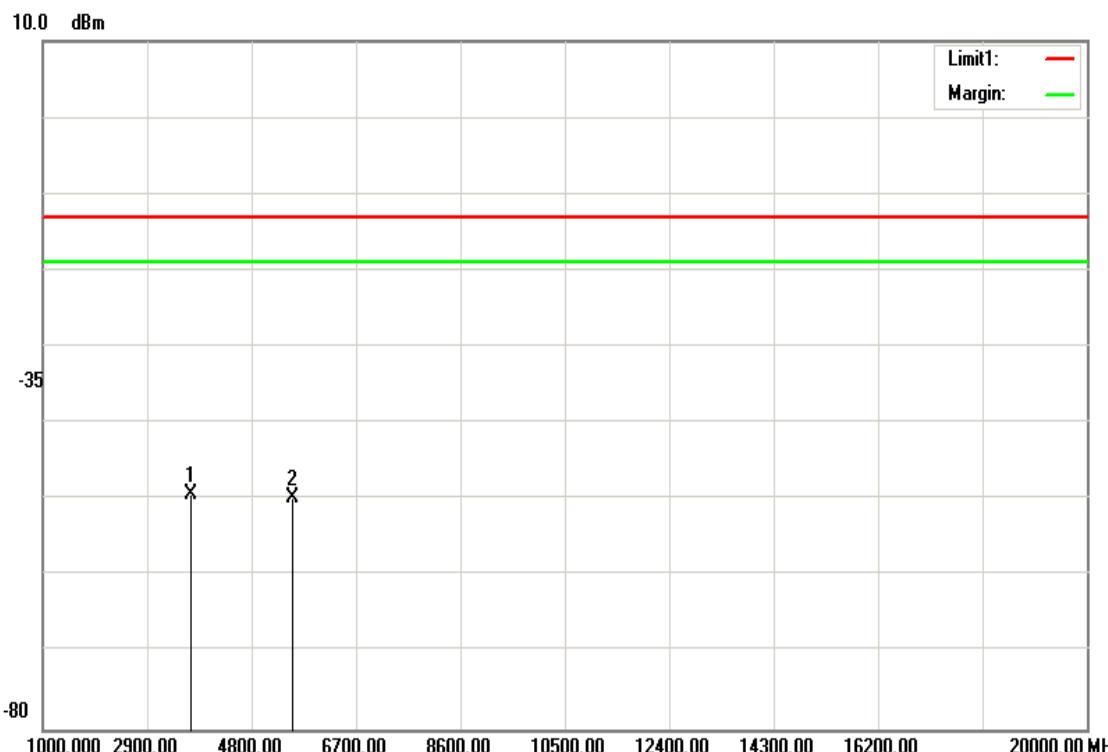
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3702.000	-50.28	8.2	9.1	-49.38	-13.00	-36.38	V
5550.000	-50.39	10.06	10.81	-49.64	-13.00	-36.64	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: GPRS 1900 / TX / CH 512

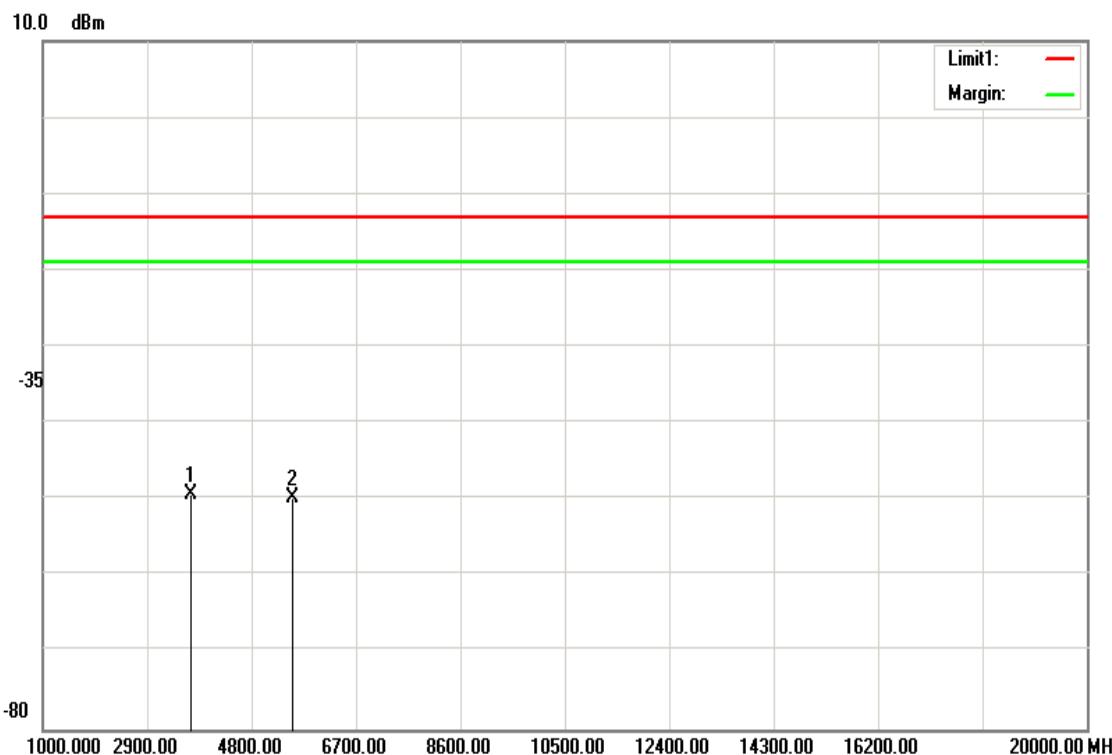
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



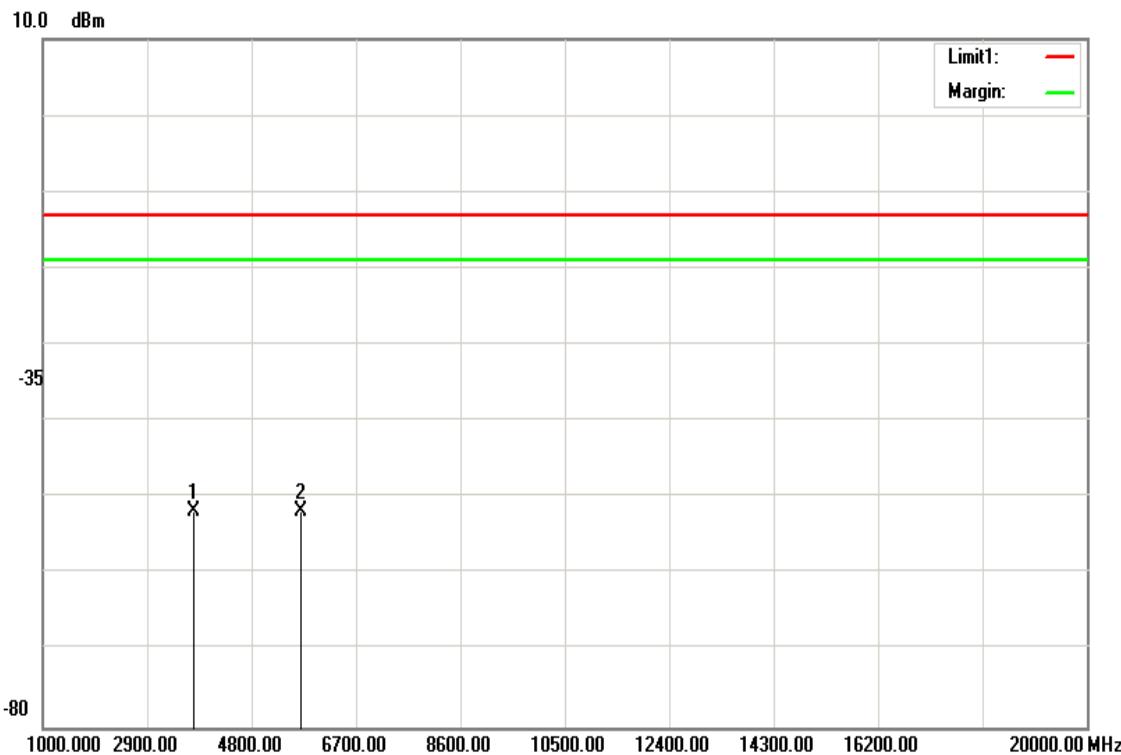
Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3702.000	-50.28	8.2	9.1	-49.38	-13.00	-36.38	H
5550.000	-50.39	10.06	10.81	-49.64	-13.00	-36.64	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: GPRS 1900 / TX / CH 661
Temperature: 22.6°C
Humidity: 57.2 % RH

Test Date: March 30, 2016
Tested by: Dennis Li
Polarity: Ver.



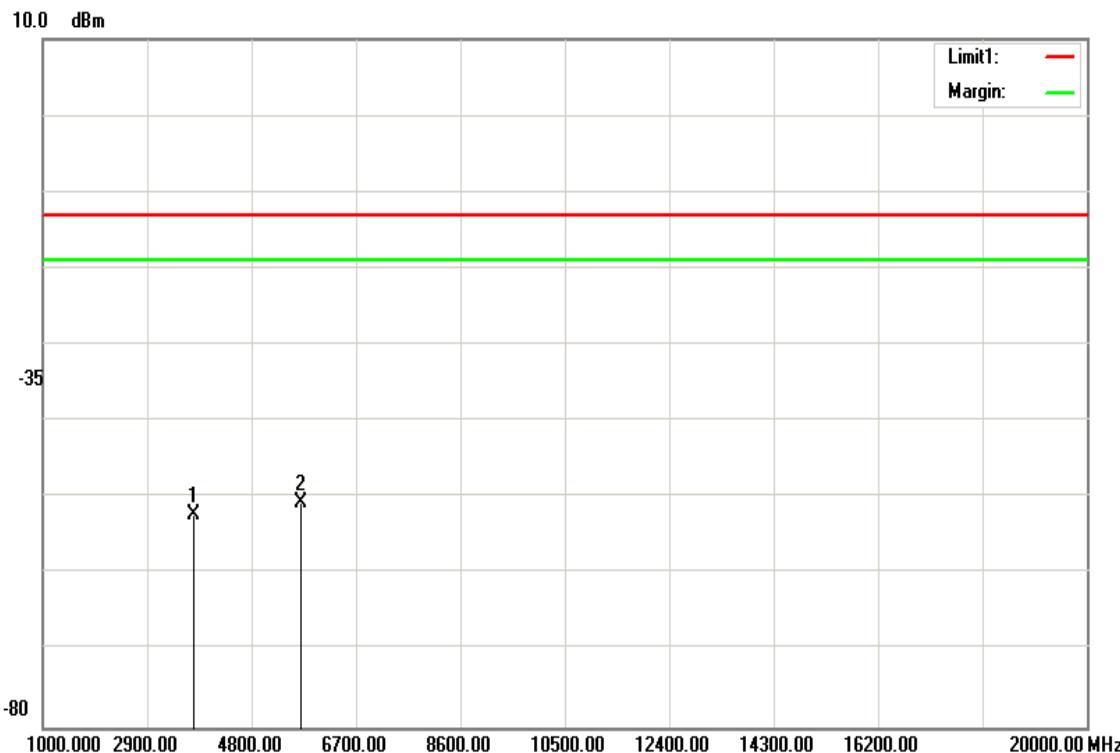
Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3758.000	-52.72	8.23	9.16	-51.79	-13.00	-38.79	V
5697.000	-52.47	10.16	10.84	-51.79	-13.00	-38.79	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: GPRS 1900 / TX / CH 661
Temperature: 22.6°C
Humidity: 57.2 % RH

Test Date: March 30, 2016
Tested by: Dennis Li
Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3758.000	-53.19	8.23	9.16	-52.26	-13.00	-39.26	H
5697.000	-51.29	10.16	10.84	-50.61	-13.00	-37.61	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: GPRS 1900 / TX / CH 810

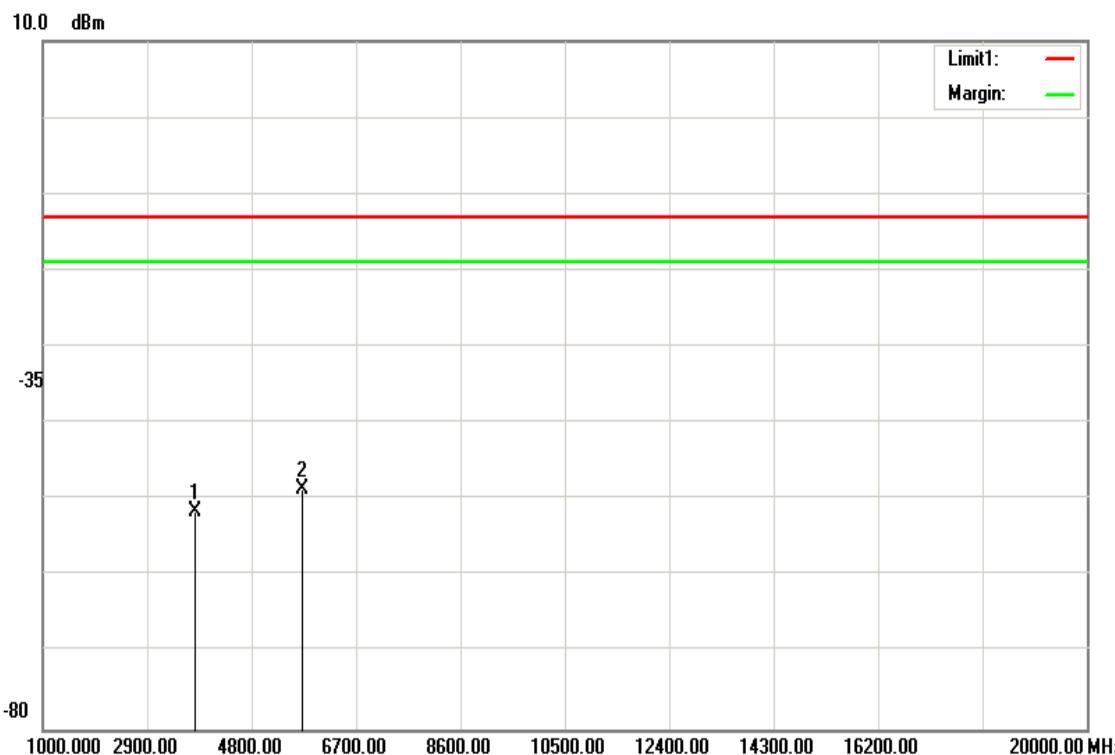
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



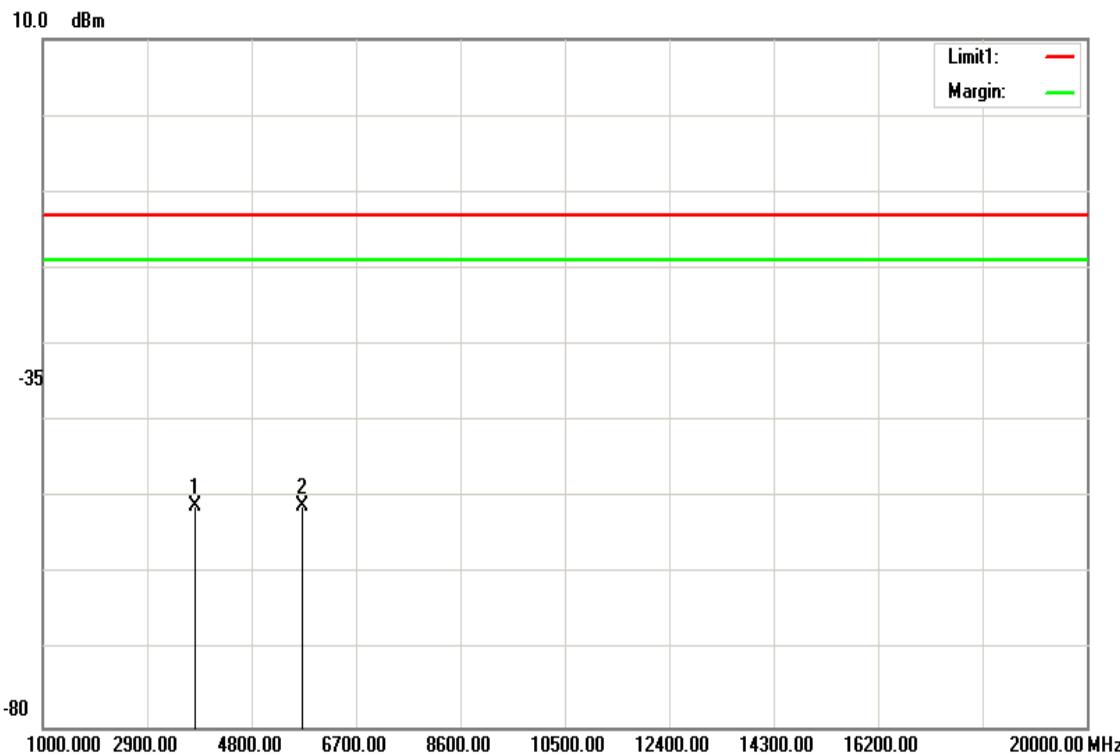
Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3779.000	-52.45	8.25	9.18	-51.52	-13.00	-38.52	V
5732.000	-49.31	10.24	10.85	-48.70	-13.00	-35.70	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: GPRS 1900 / TX / CH 810
Temperature: 22.6°C
Humidity: 57.2 % RH

Test Date: March 30, 2016
Tested by: Dennis Li
Polarity: Hor.



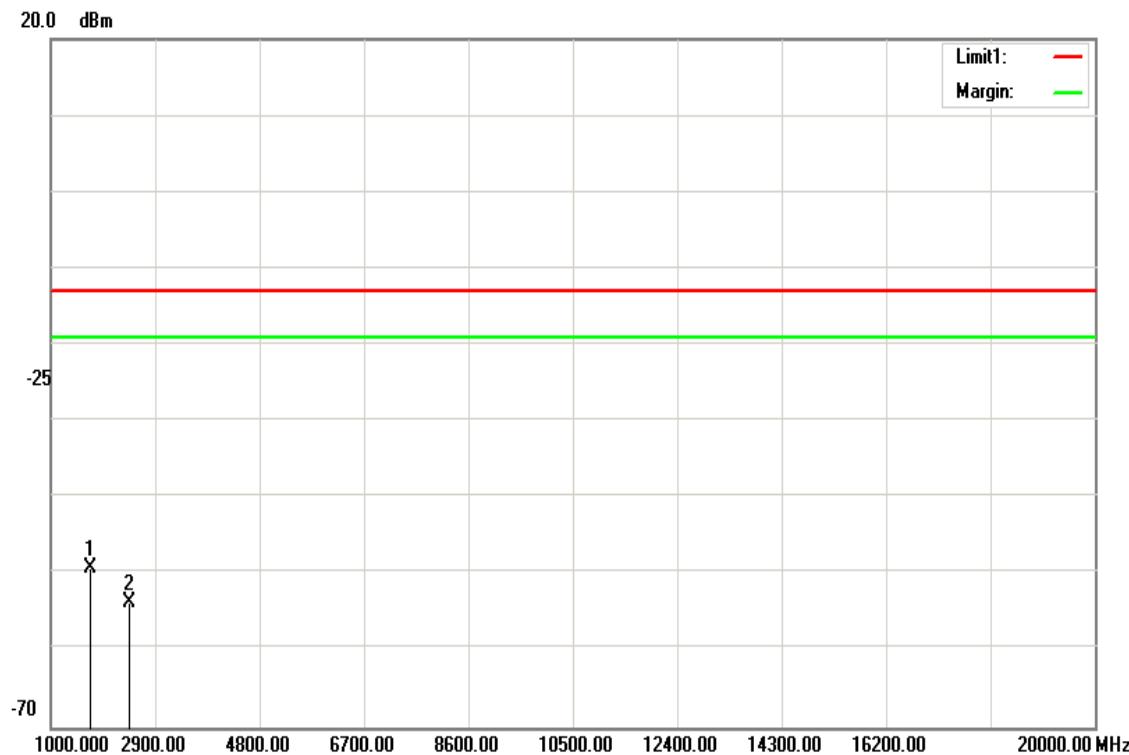
Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3779.000	-51.91	8.25	9.18	-50.98	-13.00	-37.98	H
5732.000	-51.68	10.24	10.85	-51.07	-13.00	-38.07	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: EDGE 850 / TX / CH 128
Temperature: 22.6°C
Humidity: 57.2 % RH

Test Date: April 14, 2016
Tested by: Dennis Li
Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1714.000	-49.87	5.14	5.91	-49.10	-13.00	-36.10	V
2442.000	-53.57	6.25	6.02	-53.80	-13.00	-40.80	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode:

EDGE 850 / TX / CH 128

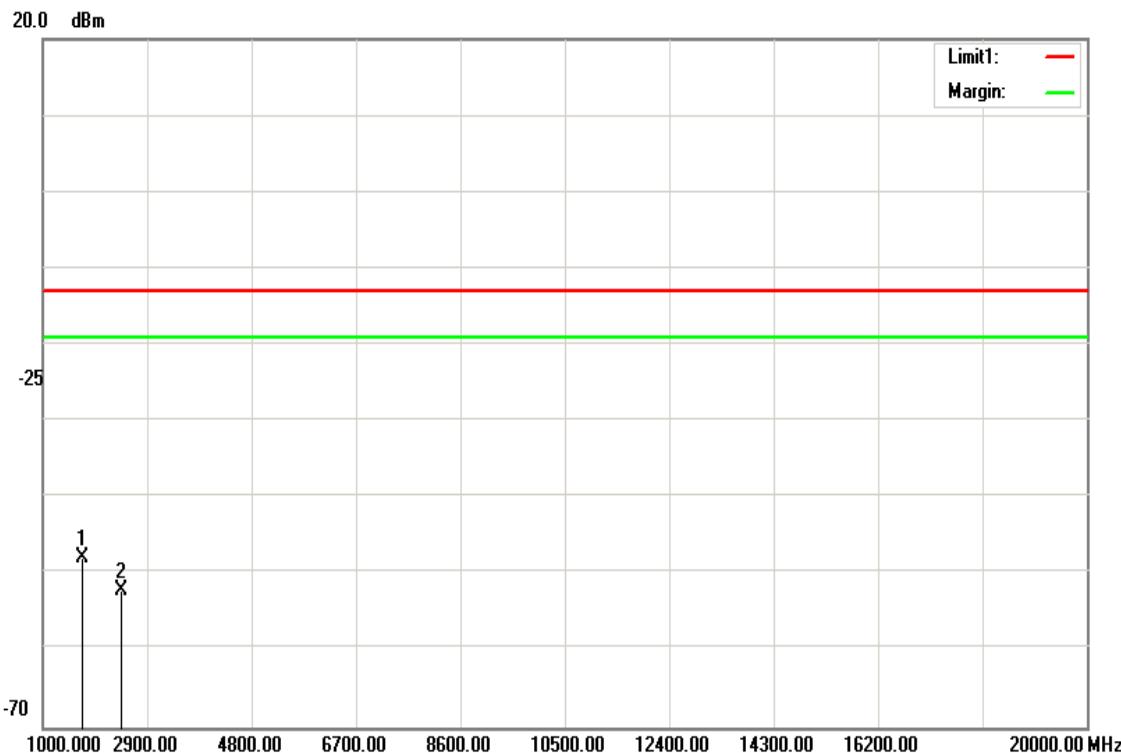
Test Date: April 14, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



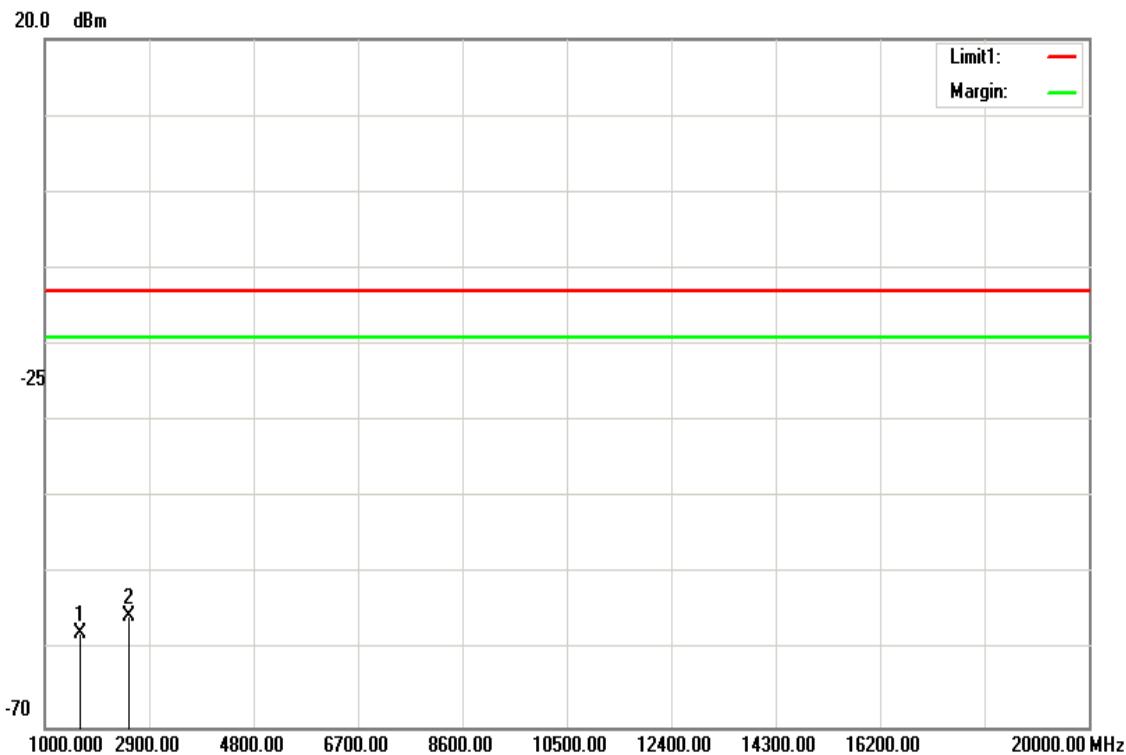
Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1714.000	-48.71	5.14	5.91	-47.94	-13.00	-34.94	H
2442.000	-51.88	6.25	6.02	-52.11	-13.00	-39.11	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: EDGE 850 / TX / CH 190
Temperature: 22.6°C
Humidity: 57.2 % RH

Test Date: April 14, 2016
Tested by: Dennis Li
Polarity: Ver.



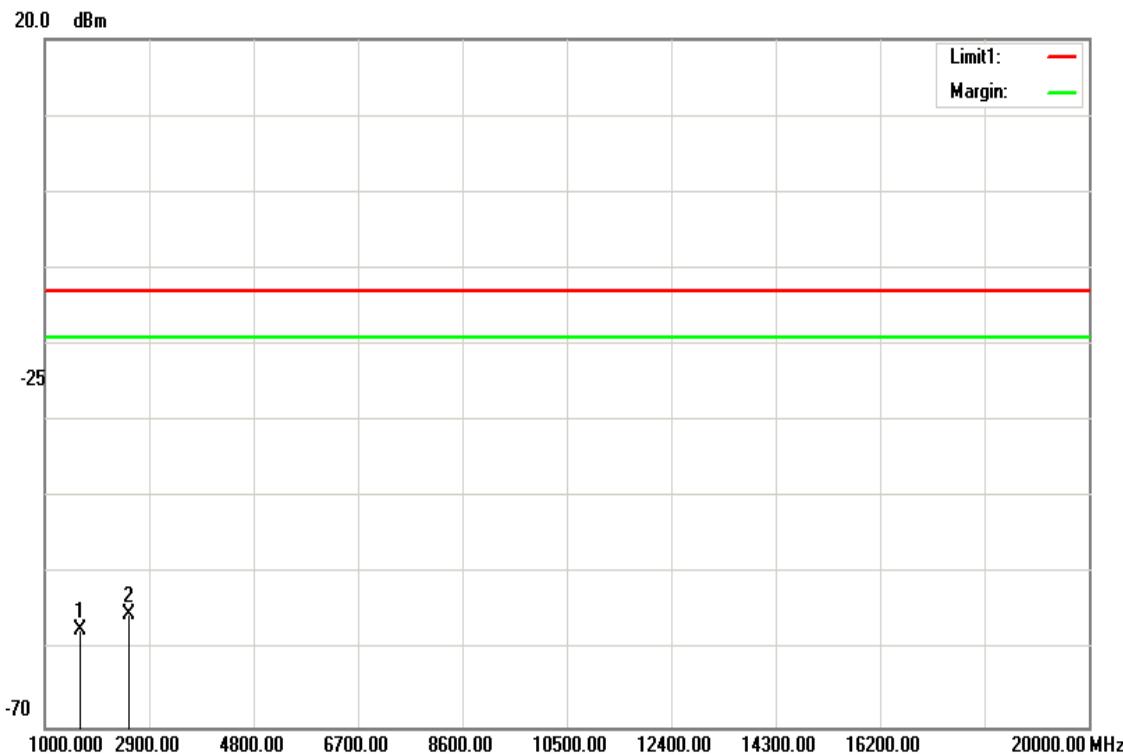
Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1651.000	-58.68	5.05	6.03	-57.70	-13.00	-44.70	V
2526.000	-55.16	6.39	6.17	-55.38	-13.00	-42.38	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: EDGE 850 / TX / CH 190
Temperature: 22.6°C
Humidity: 57.2 % RH

Test Date: April 14, 2016
Tested by: Dennis Li
Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1651.000	-58.29	5.05	6.03	-57.31	-13.00	-44.31	H
2526.000	-55.15	6.39	6.17	-55.37	-13.00	-42.37	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: EDGE 850 / TX / CH 251

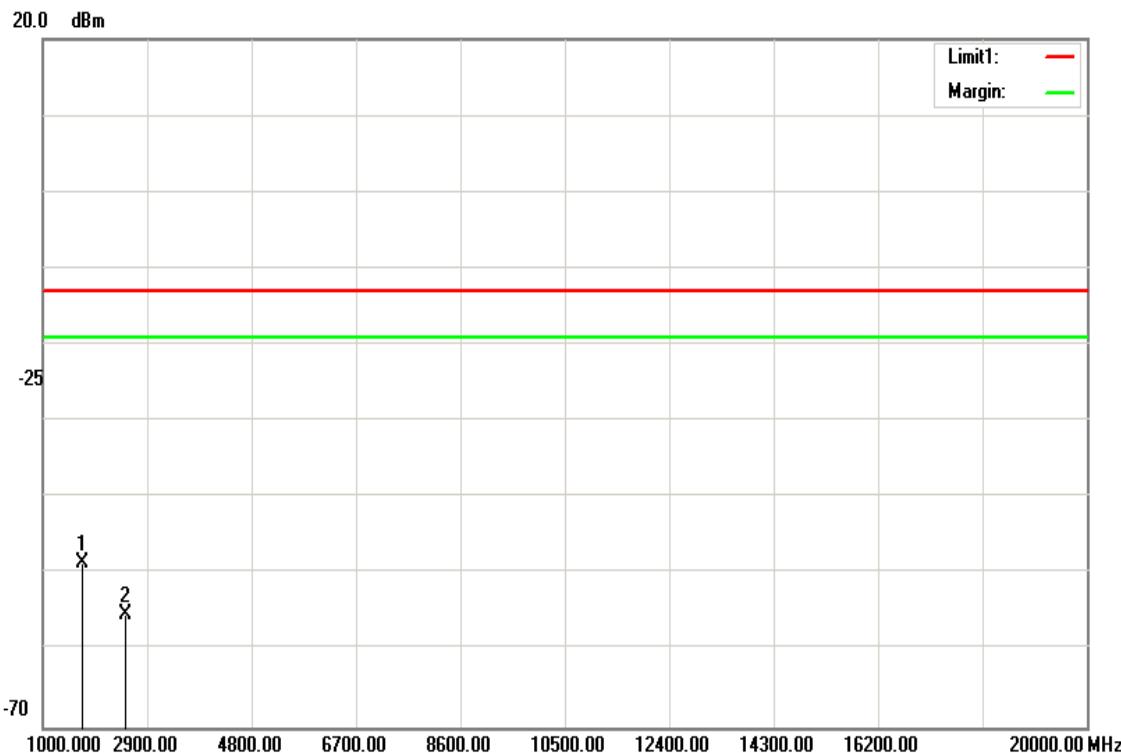
Test Date: April 14, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1714.000	-49.24	5.14	5.91	-48.47	-13.00	-35.47	V
2519.000	-54.97	6.38	6.15	-55.20	-13.00	-42.20	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode:

EDGE 850 / TX / CH 251

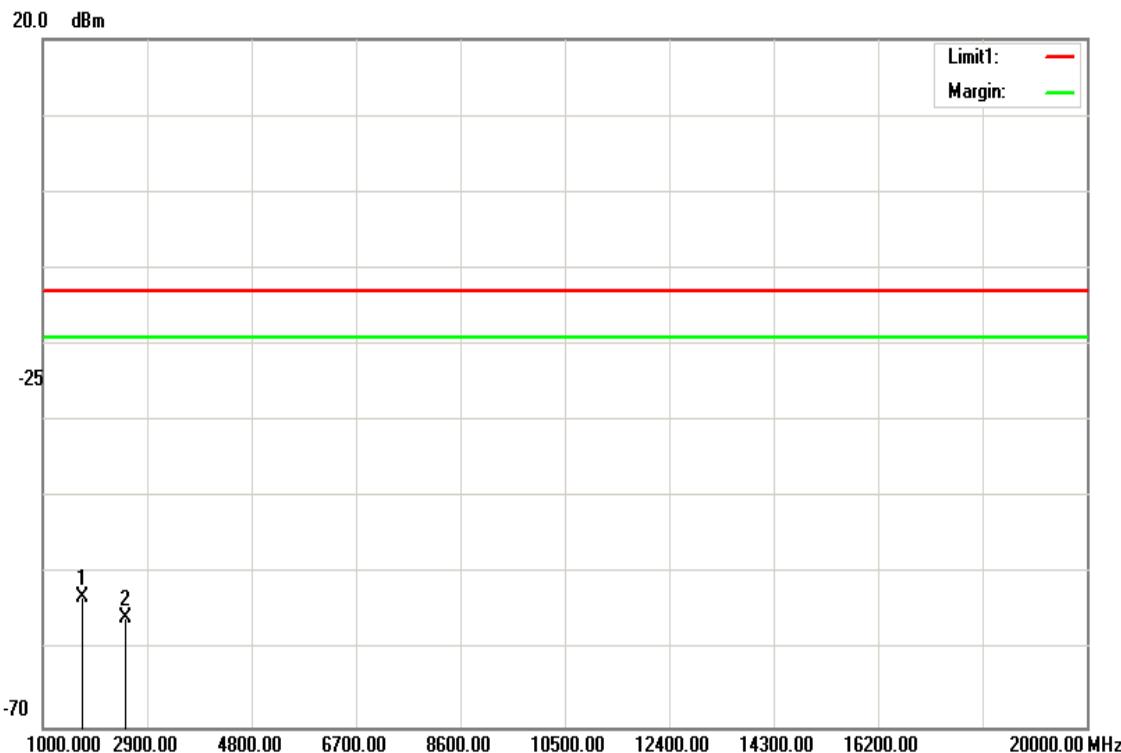
Test Date: April 14, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



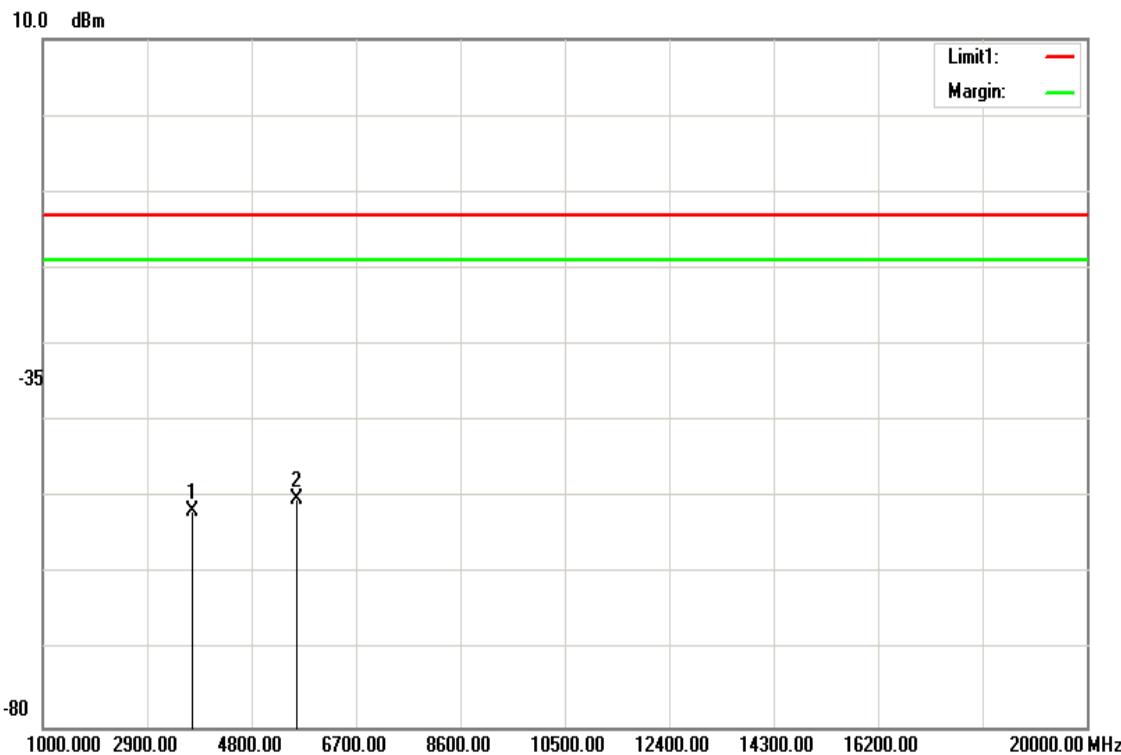
Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1714.000	-53.85	5.14	5.91	-53.08	-13.00	-40.08	H
2519.000	-55.58	6.38	6.15	-55.81	-13.00	-42.81	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: EDGE 1900 / TX / CH 512
Temperature: 22.6°C
Humidity: 57.2 % RH

Test Date: March 30, 2016
Tested by: Dennis Li
Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3723.000	-52.69	8.21	9.12	-51.78	-13.00	-38.78	V
5620.000	-50.89	10.18	10.82	-50.25	-13.00	-37.25	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: EDGE 1900 / TX / CH 512

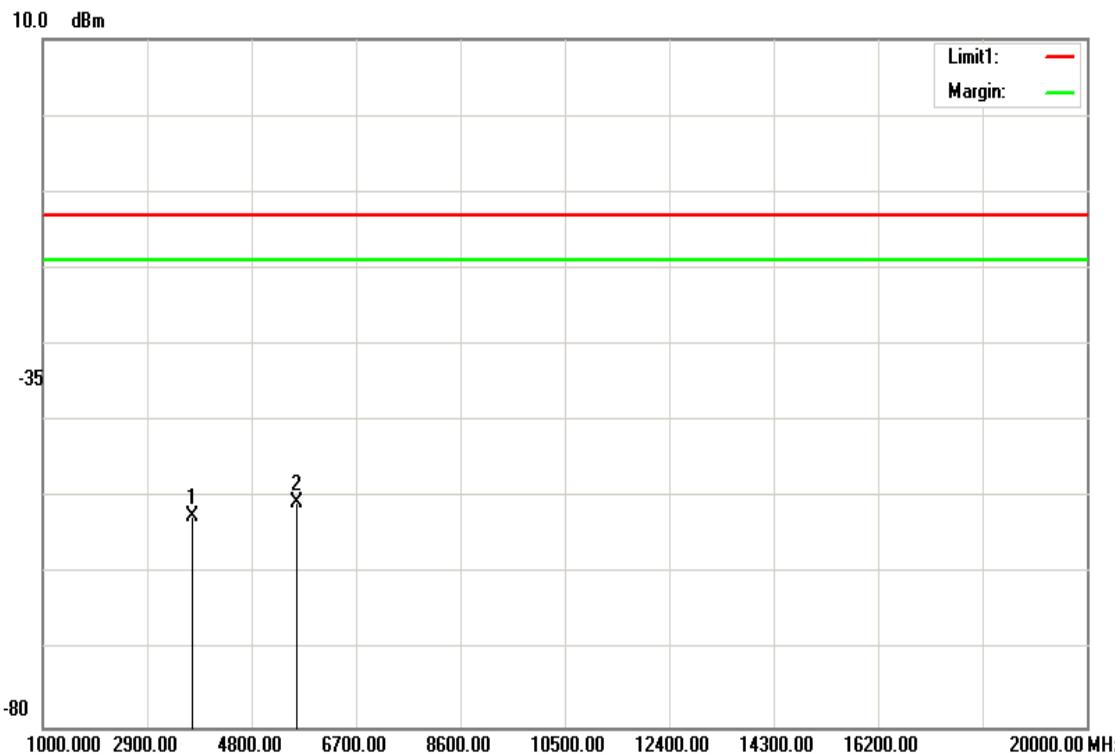
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3723.000	-51.42	8.21	9.12	-52.33	-13.00	-39.33	H
5620.000	-50.07	10.18	10.82	-50.71	-13.00	-37.71	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: EDGE 1900 / TX / CH 661
Temperature: 22.6°C
Humidity: 57.2 % RH

Test Date: March 30, 2016
Tested by: Dennis Li
Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3737.000	-53.79	8.22	9.14	-52.87	-13.00	-39.87	V
5550.000	-52.83	10.06	10.81	-52.08	-13.00	-39.08	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: EDGE 1900 / TX / CH 661

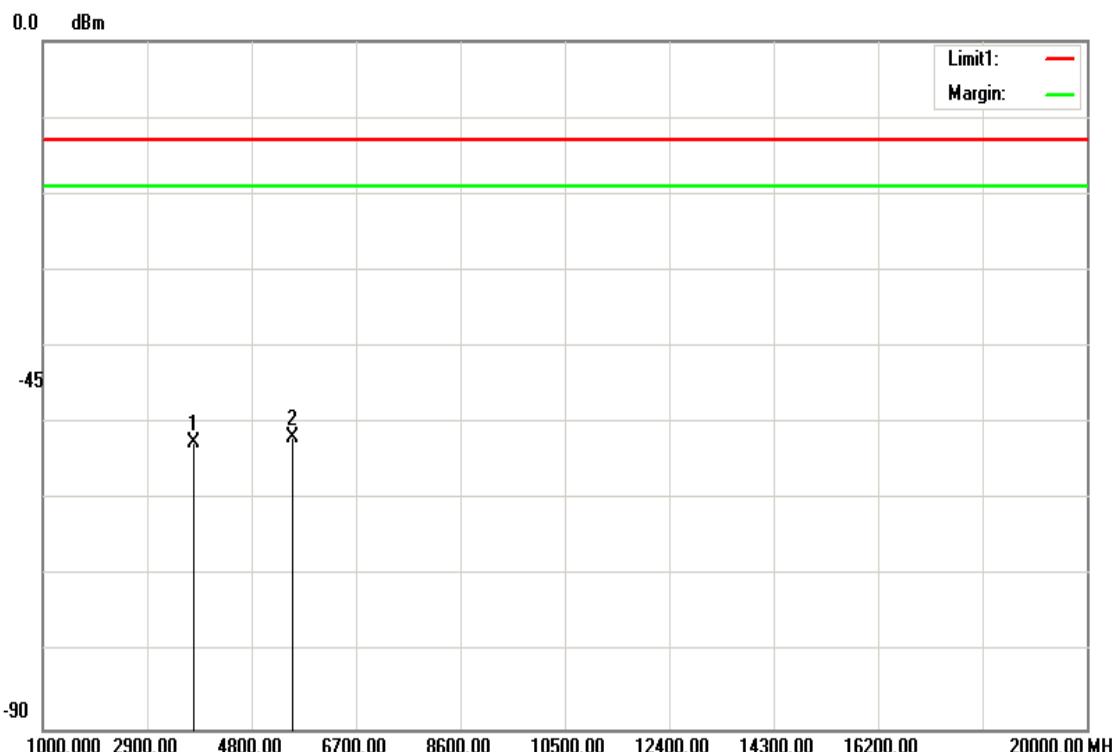
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3737.000	-53.55	8.22	9.14	-52.63	-13.00	-39.63	H
5550.000	-52.54	10.06	10.81	-51.79	-13.00	-38.79	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: EDGE 1900 / TX / CH 810

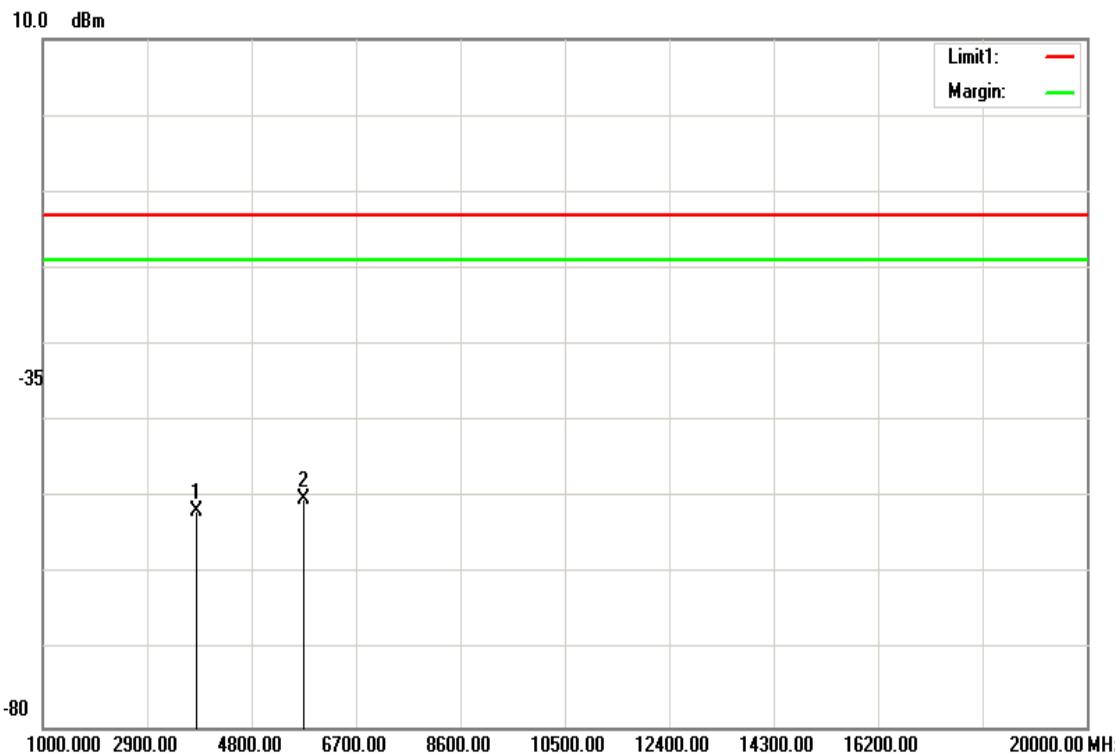
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3793.000	-52.79	8.26	9.19	-51.86	-13.00	-38.86	V
5760.000	-50.8	10.32	10.85	-50.27	-13.00	-37.27	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: EDGE 1900 / TX / CH 810

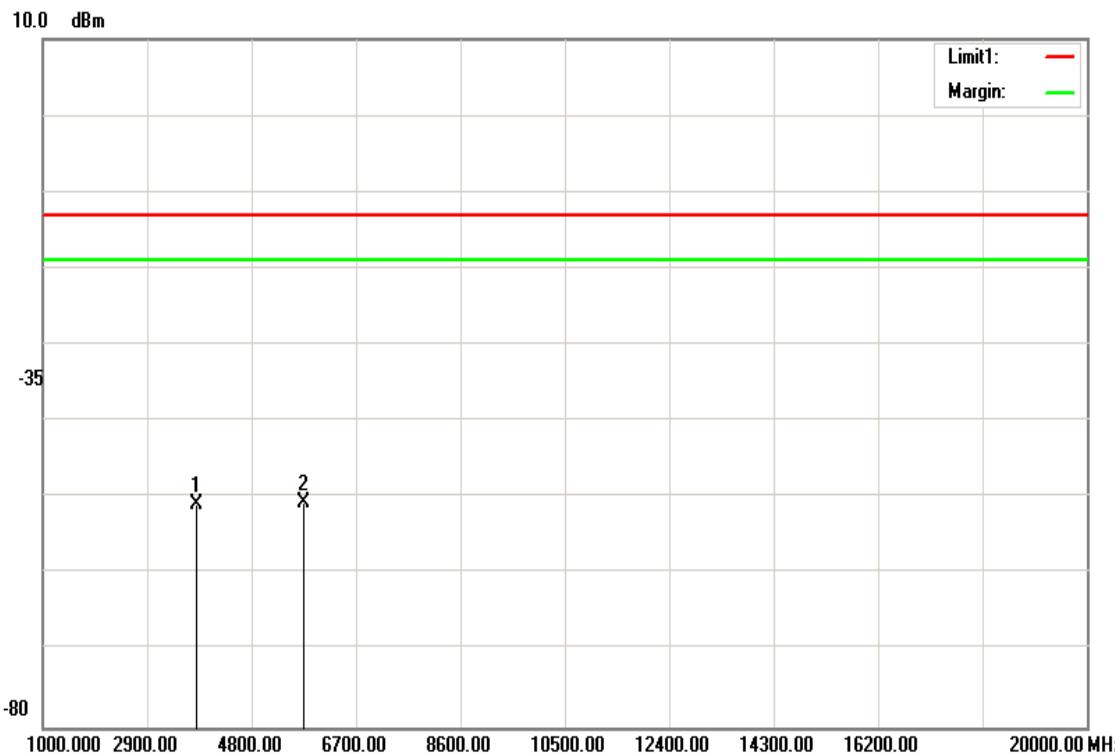
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3793.000	-51.9	8.26	9.19	-50.97	-13.00	-37.97	H
5760.000	-51.16	10.32	10.85	-50.63	-13.00	-37.63	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: WCDMA Band II / TX / CH 9262

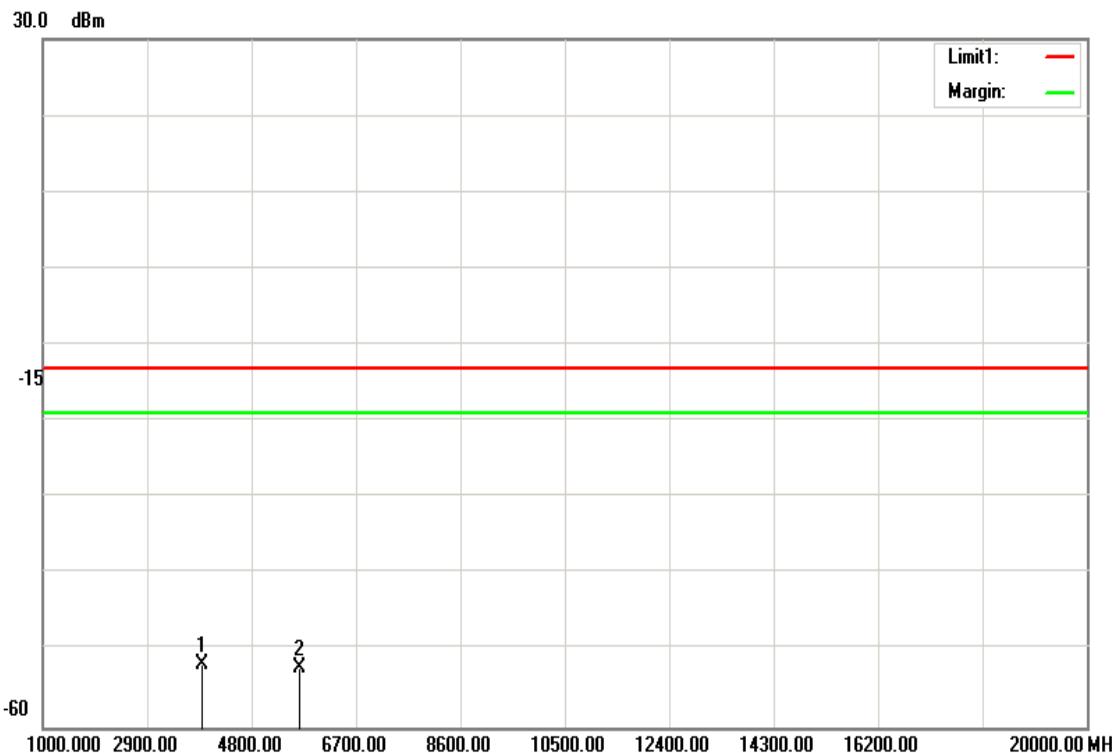
Test Date: March 29 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3898.000	-52.64	8.39	9.3	-51.73	-13.00	-38.73	V
5662.000	-52.84	10.17	10.83	-52.18	-13.00	-39.18	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: WCDMA Band II / TX / CH 9262

Test Date: March 29 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3709.000	-52.17	8.21	9.11	-51.27	-13.00	-38.27	H
5557.000	-50.91	10.08	10.81	-50.18	-13.00	-37.18	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: WCDMA Band II / TX / CH 9400

Test Date: March 29 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
4003.000	-50.12	8.39	9.31	-51.04	-13.00	-38.04	V
5641.000	-49.79	9.46	10.64	-50.94	-13.00	-37.94	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: WCDMA Band II / TX / CH 9400

Test Date: March 29 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
4003.000	-49.91	8.39	9.31	-50.83	-13.00	-37.83	H
5641.000	-48.69	9.46	10.64	-49.87	-13.00	-36.87	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: WCDMA Band II / TX / CH 9538

Test Date: March 29 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3821.000	-52.46	8.29	9.22	-51.53	-13.00	-38.53	V
5830.000	-51.68	10.41	10.87	-51.22	-13.00	-38.22	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: WCDMA Band II / TX / CH 9538

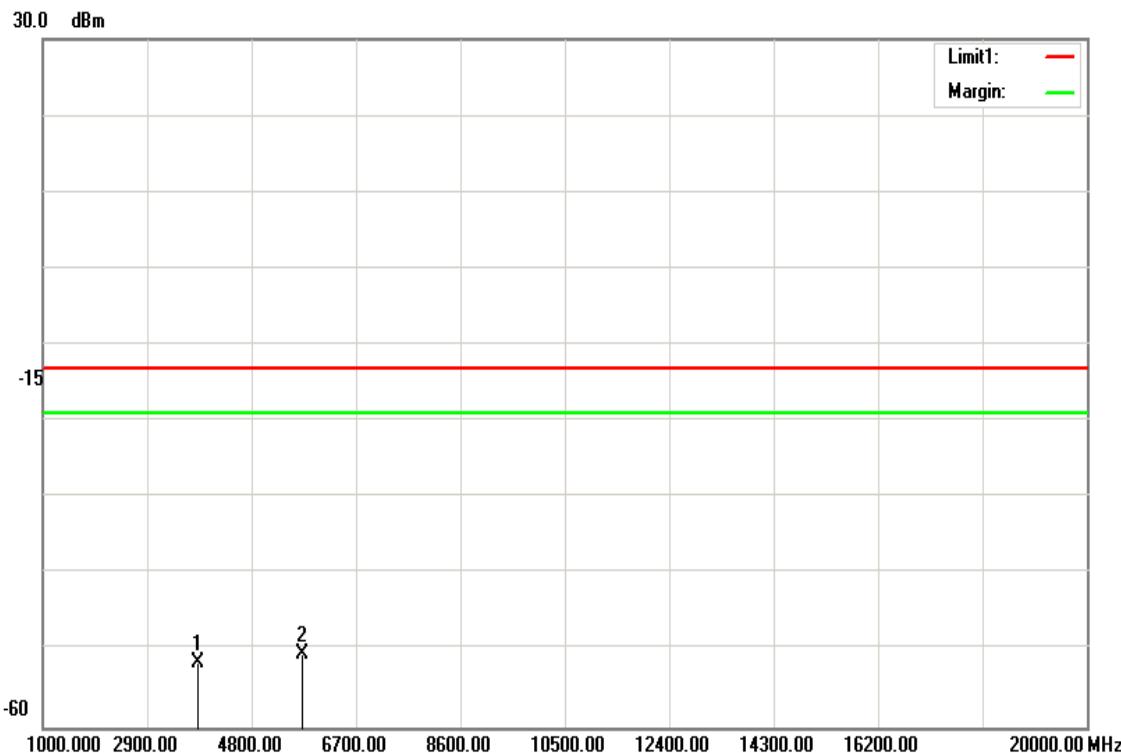
Test Date: March 29 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3828.000	-52.41	8.3	9.23	-51.48	-13.00	-38.48	H
5718.000	-51.14	10.21	10.84	-50.51	-13.00	-37.51	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: WCDMA Band V / TX / CH 4132

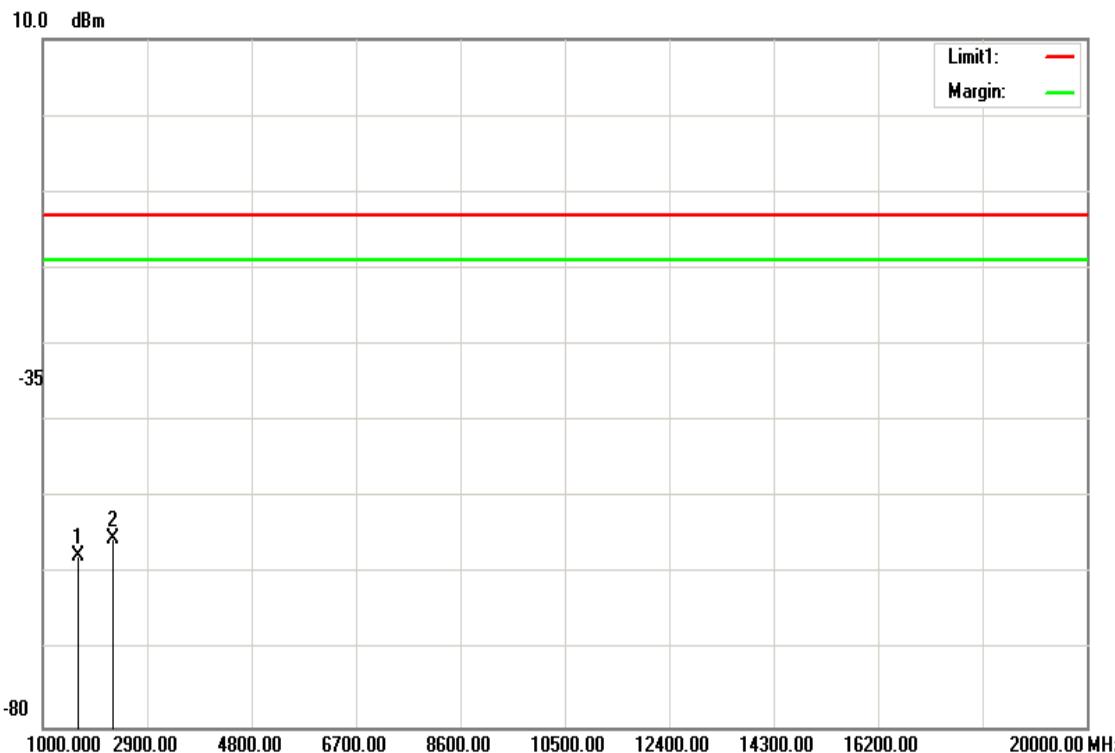
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1658.000	-58.52	5.06	6.02	-57.56	-13.00	-44.56	V
2288.000	-55.19	6.06	5.8	-55.45	-13.00	-42.45	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: WCDMA Band V / TX / CH 4132

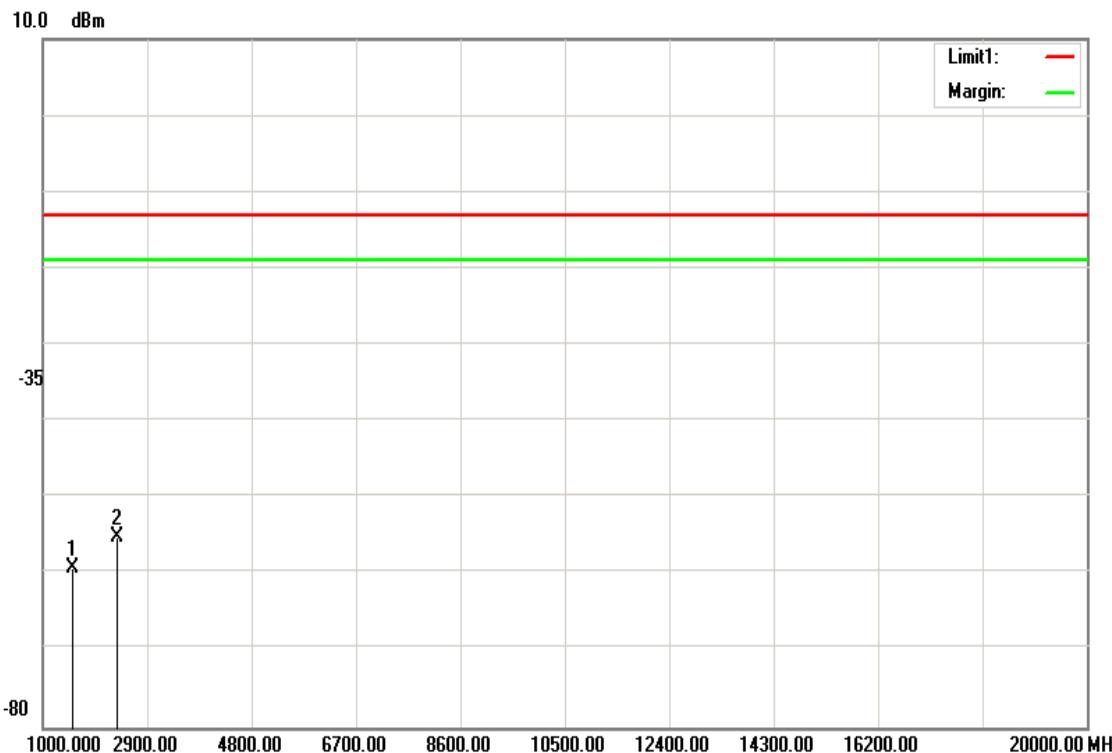
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1532.000	-60.53	4.9	6.24	-59.19	-13.00	-46.19	H
2344.000	-54.97	6.12	5.88	-55.21	-13.00	-42.21	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: WCDMA Band V / TX / CH 4182

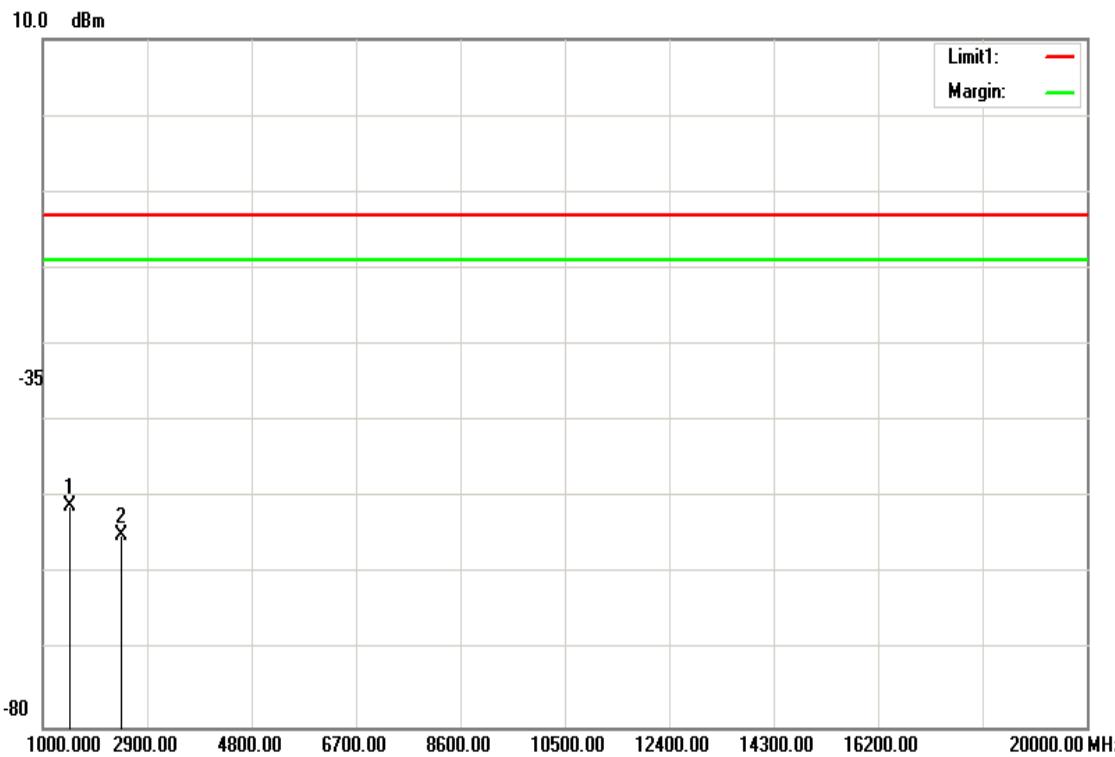
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1497.000	-50.54	5.3	5.75	-50.99	-13.00	-37.99	V
2435.000	-55.18	6.24	6.01	-54.95	-13.00	-41.95	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: WCDMA Band V / TX / CH 4182

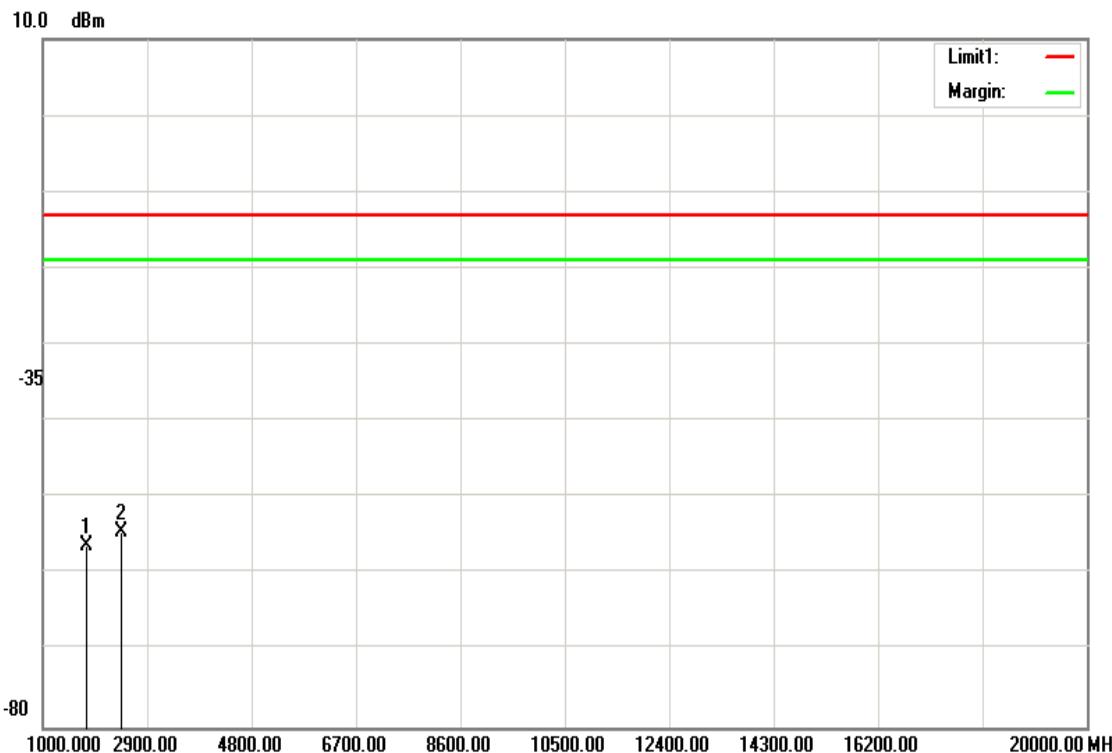
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1805.000	-55.82	5.3	5.75	-56.27	-13.00	-43.27	H
2435.000	-54.76	6.24	6.01	-54.53	-13.00	-41.53	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: WCDMA Band V / TX / CH 4233

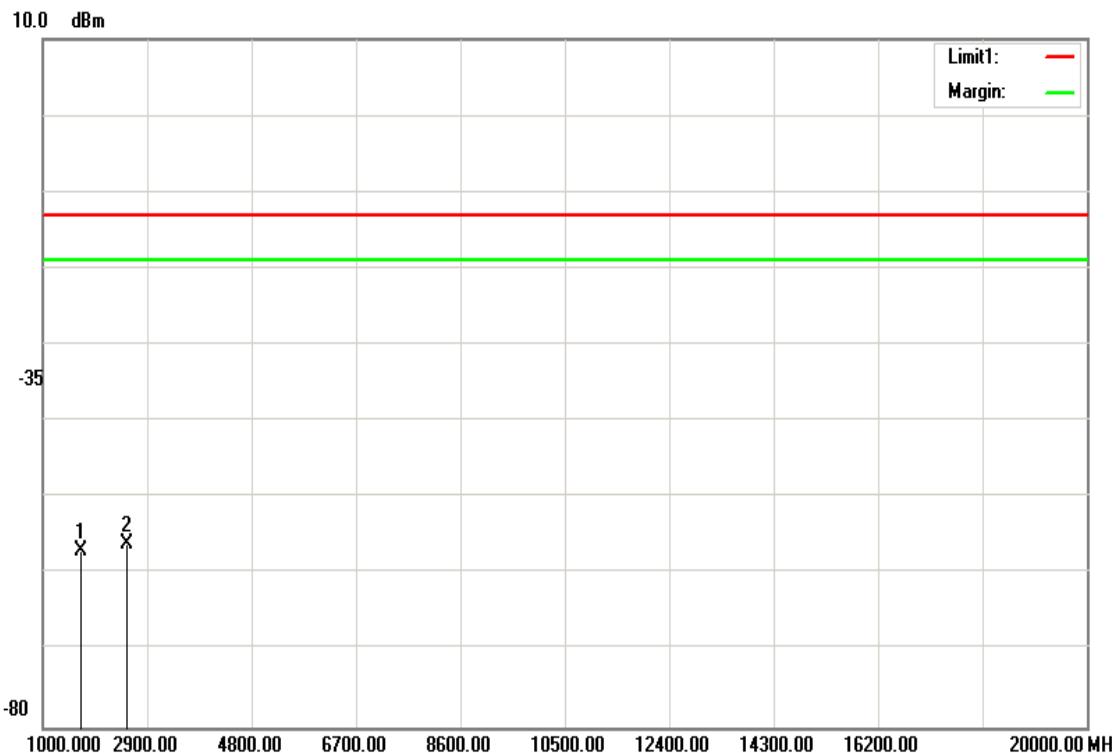
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1693.000	-57.79	5.1	5.95	-56.94	-13.00	-43.94	V
2540.000	-55.86	6.41	6.2	-56.07	-13.00	-43.07	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: WCDMA Band V / TX / CH 4233

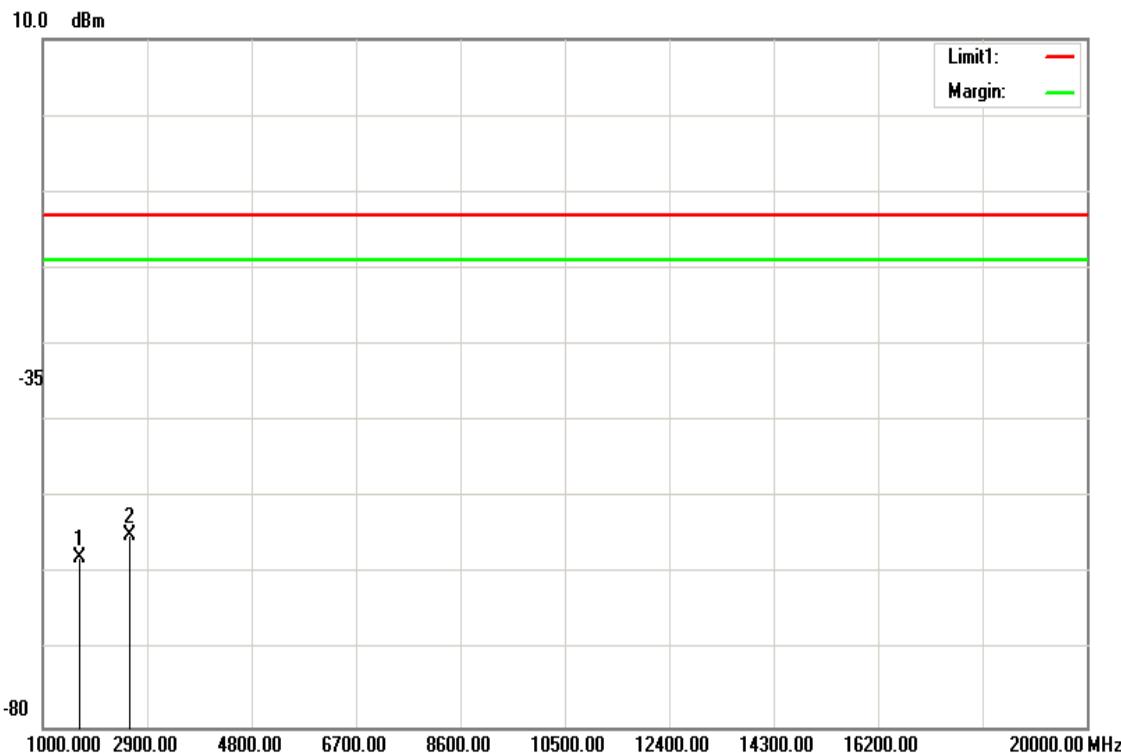
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1672.000	-58.76	5.07	5.99	-57.84	-13.00	-44.84	H
2582.000	-54.84	6.46	6.31	-54.99	-13.00	-41.99	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSDPA Band II / TX / CH 9262

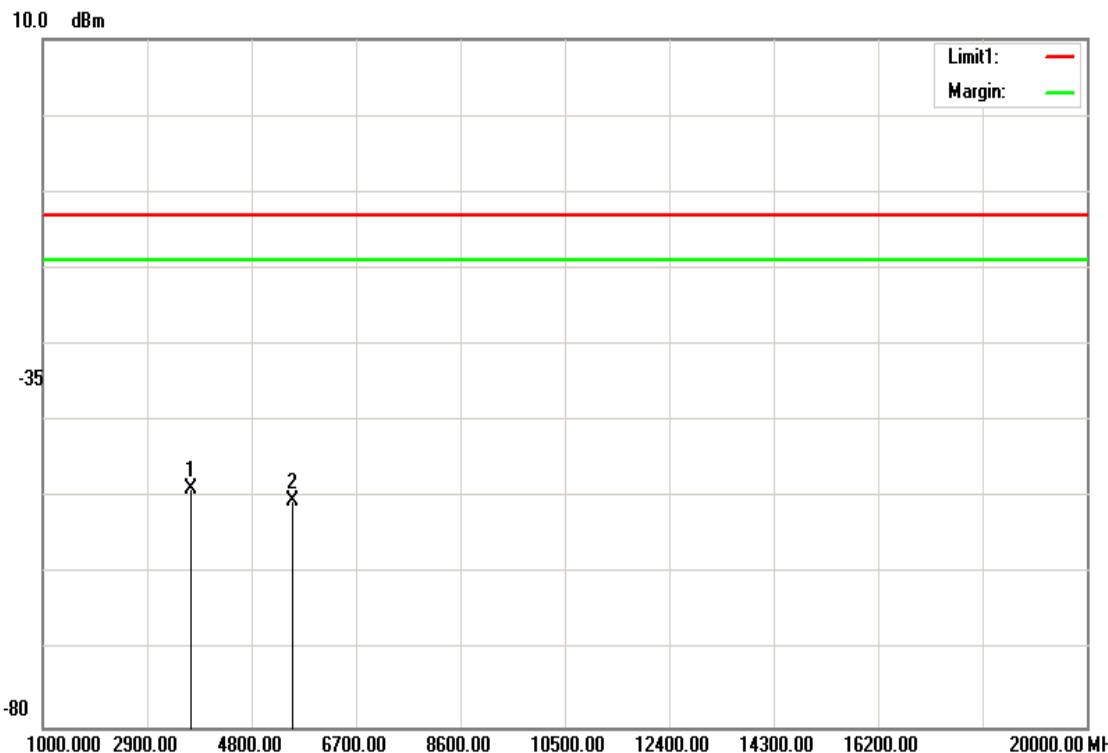
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3704.000	-49.69	8.2	9.1	-48.79	-13.00	-35.79	V
5557.000	-51.19	10.08	10.81	-50.46	-13.00	-37.46	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSDPA Band II / TX / CH 9262

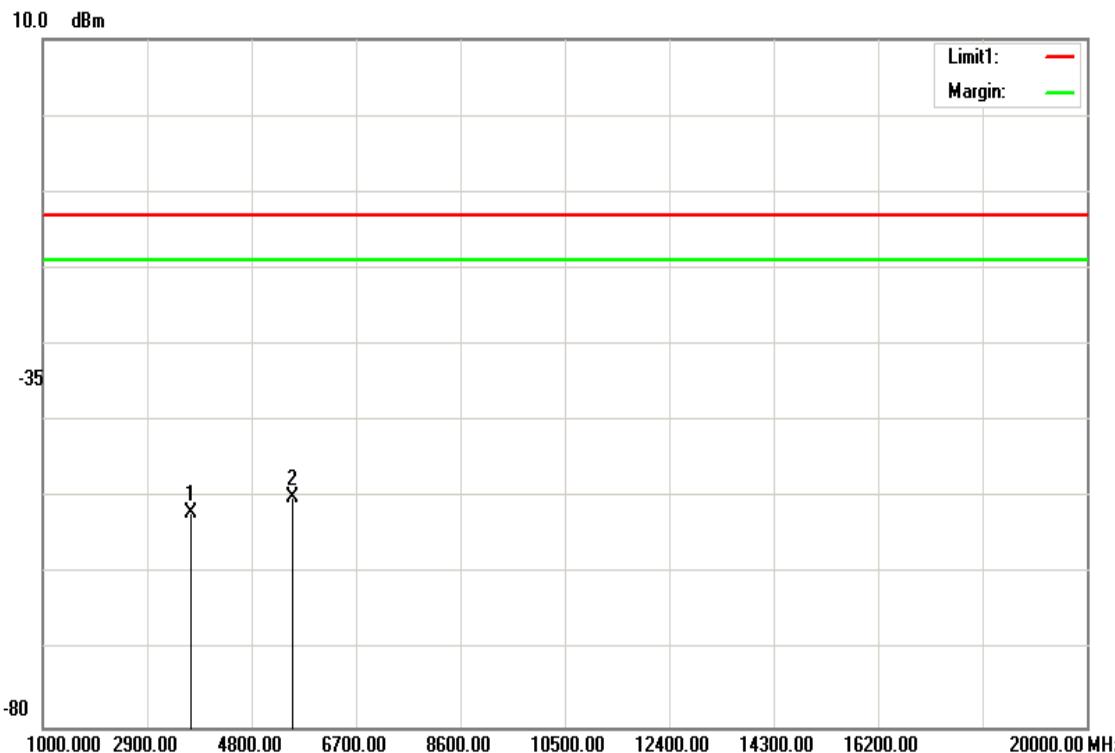
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3704.000	-52.83	8.2	9.1	-51.93	-13.00	-38.93	H
5557.000	-50.61	10.08	10.81	-49.88	-13.00	-36.88	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSDPA Band II / TX / CH 9400

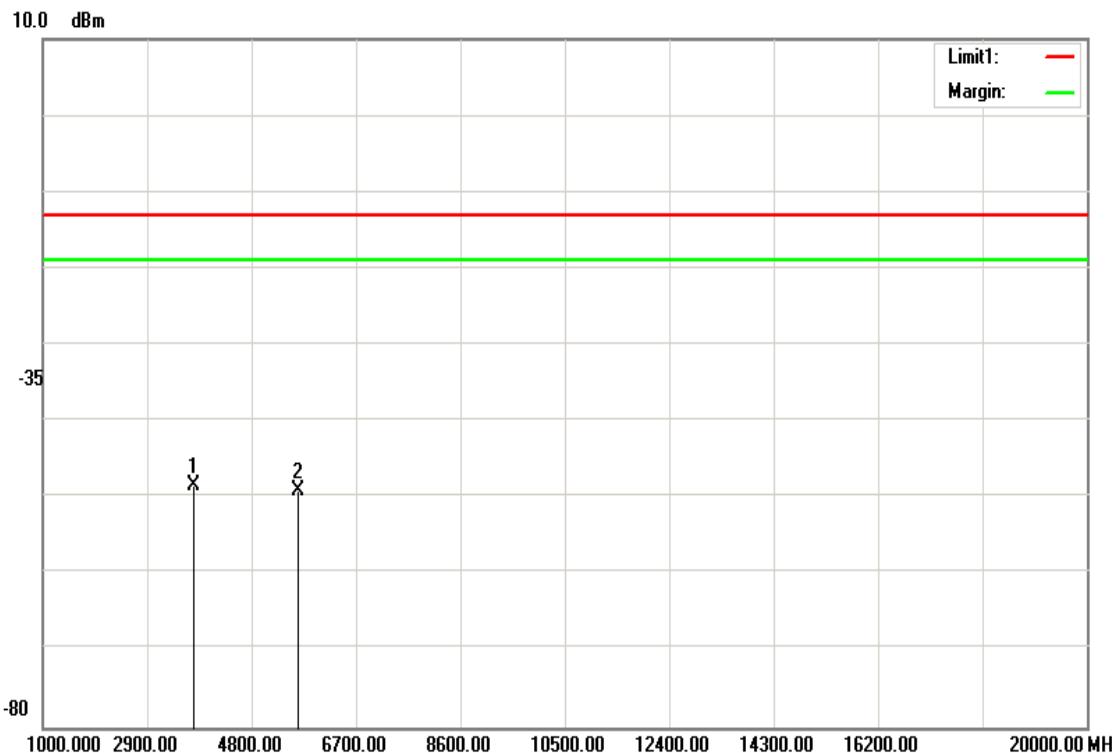
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3760.000	-49.2	8.24	9.16	-48.28	-13.00	-35.28	V
5640.000	-49.78	10.18	10.83	-49.13	-13.00	-36.13	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSDPA Band II / TX / CH 9400

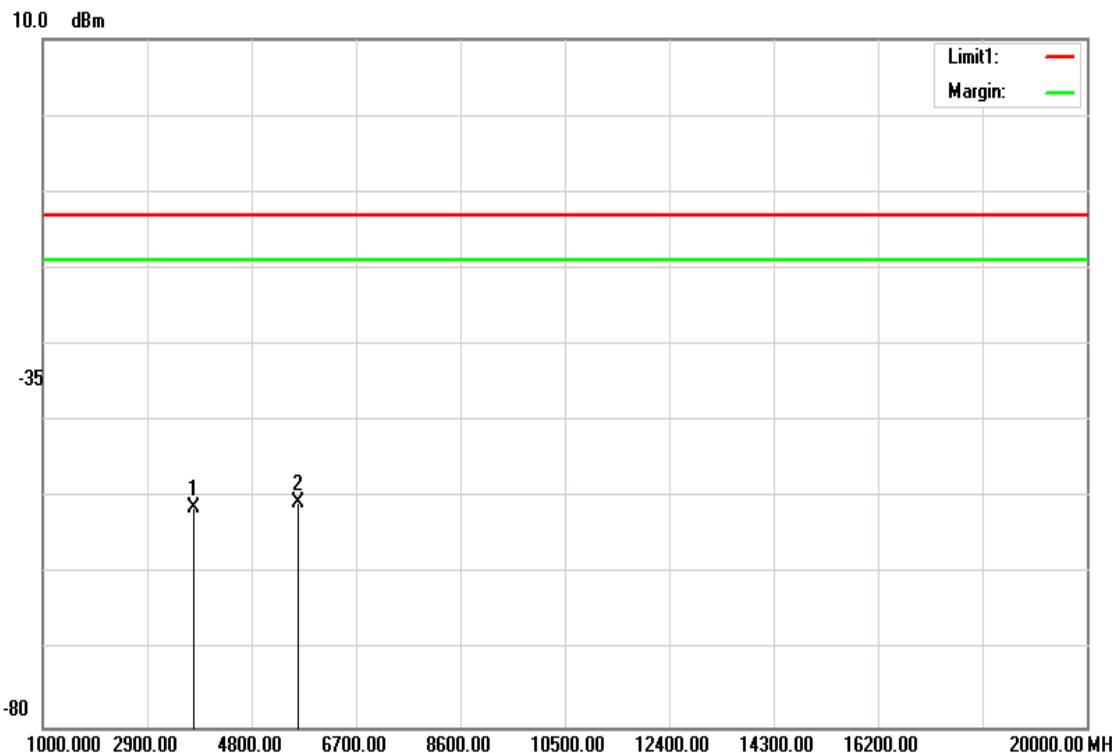
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3760.000	-52.17	8.24	9.16	-51.25	-13.00	-38.25	H
5640.000	-51.37	10.18	10.83	-50.72	-13.00	-37.72	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSDPA Band II / TX / CH 9538

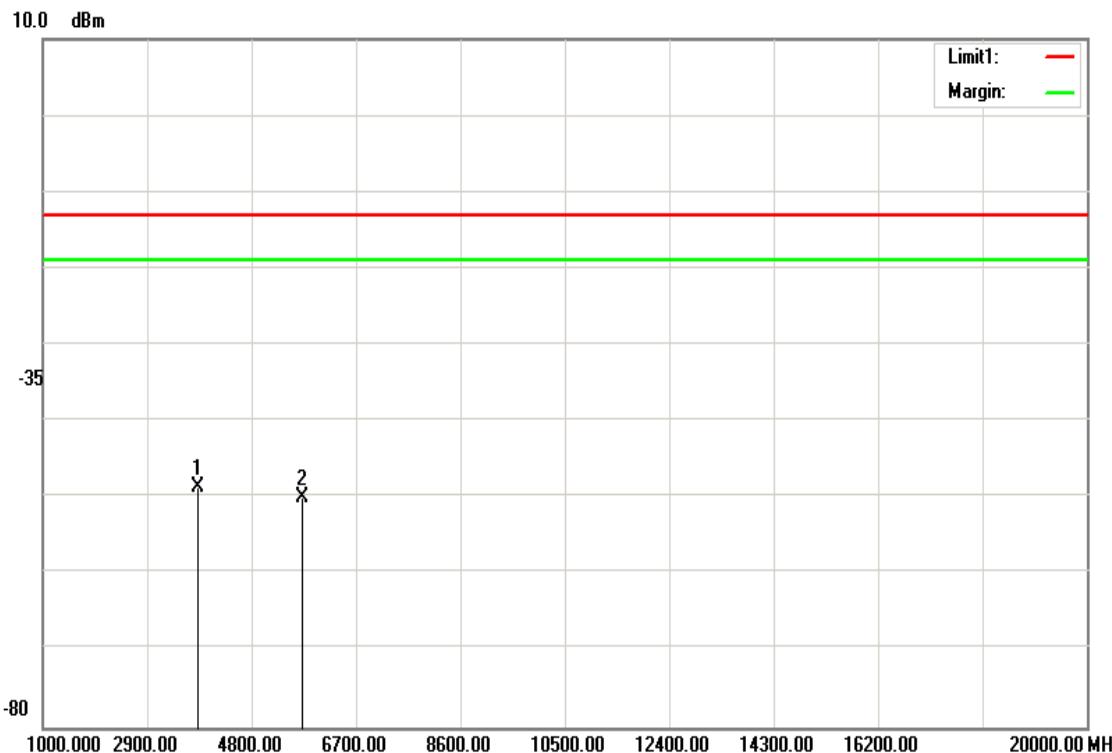
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3814.000	-49.49	8.28	9.21	-48.56	-13.00	-35.56	V
5721.000	-50.5	10.21	10.84	-49.87	-13.00	-36.87	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSDPA Band II / TX / CH 9538

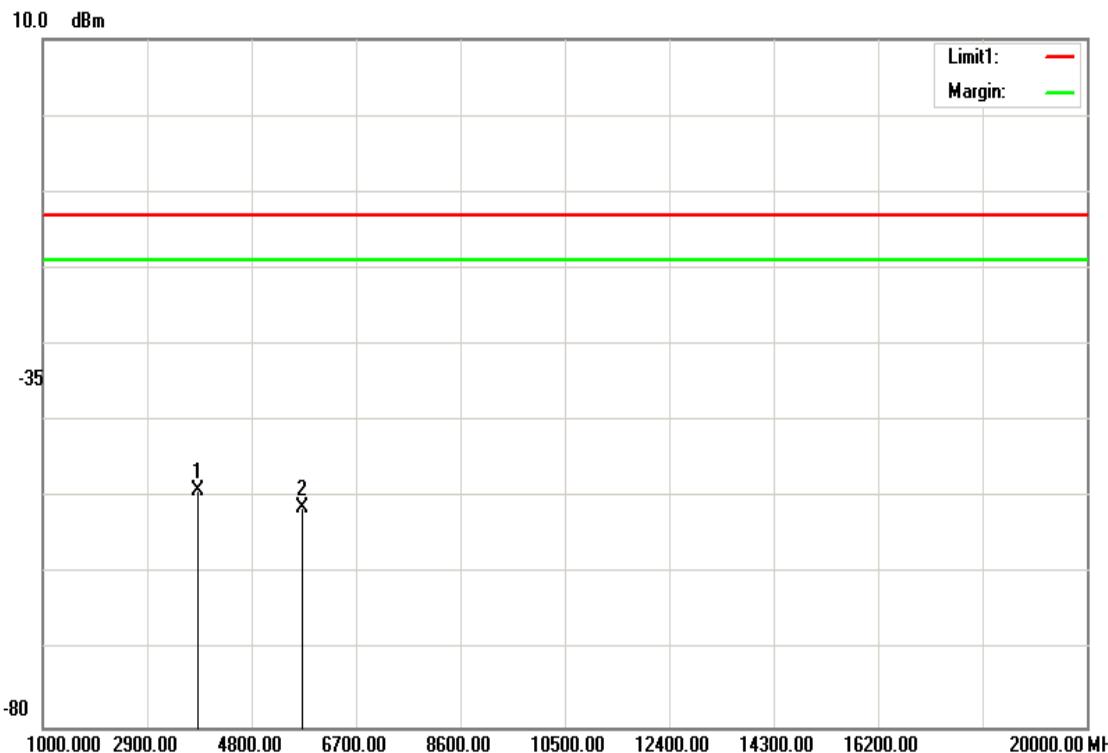
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3814.000	-49.88	8.28	9.21	-48.95	-13.00	-35.95	H
5721.000	-51.96	10.21	10.84	-51.33	-13.00	-38.33	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSDPA Band V / TX / CH 4132

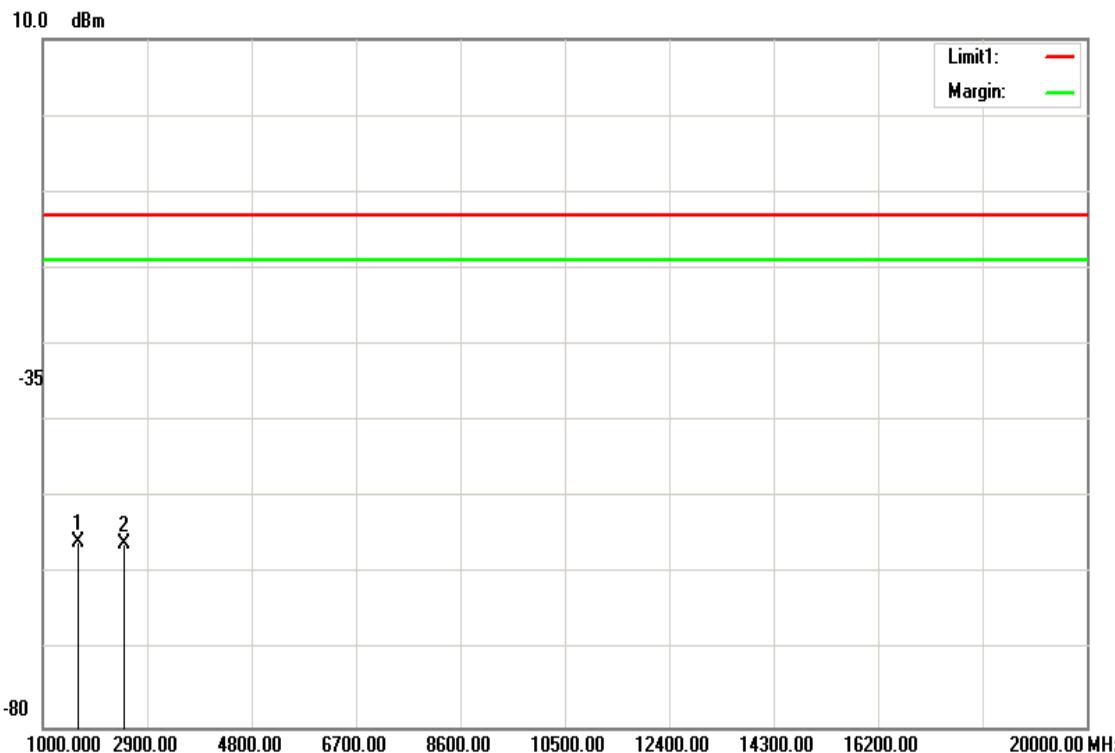
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1652.000	-56.85	5.05	6.03	-55.87	-13.00	-42.87	V
2479.000	-55.9	6.31	6.07	-56.14	-13.00	-43.14	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSDPA Band V / TX / CH 4132

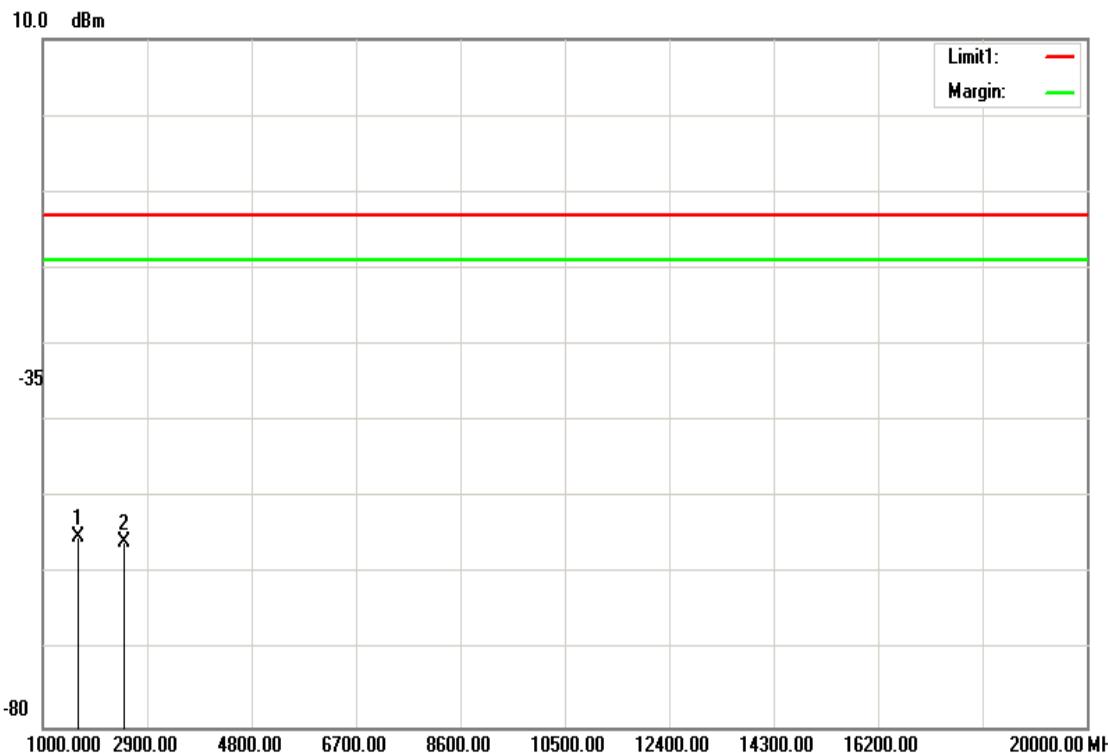
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1652.000	-56.22	5.05	6.03	-55.24	-13.00	-42.24	H
2479.000	-55.53	6.31	6.07	-55.77	-13.00	-42.77	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSDPA Band V / TX / CH 4182

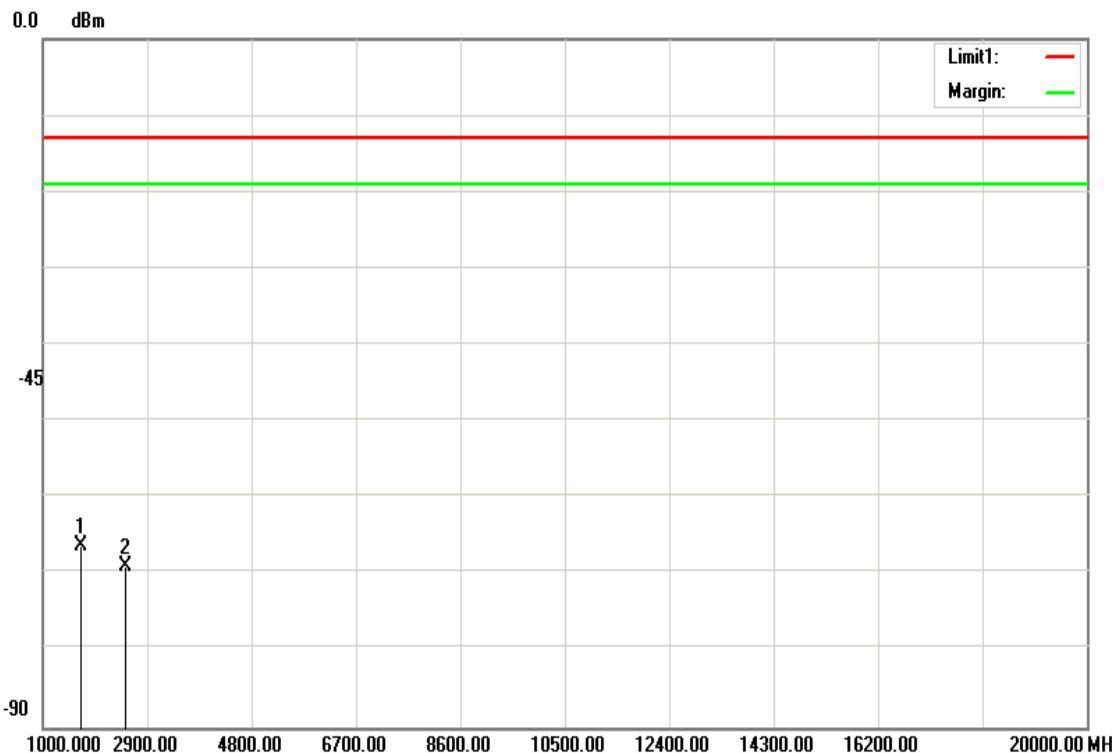
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1693.000	-67.22	5.1	5.95	-66.37	-13.00	-53.37	V
2509.000	-68.62	6.36	6.12	-68.86	-13.00	-55.86	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSDPA Band V / TX / CH 4182

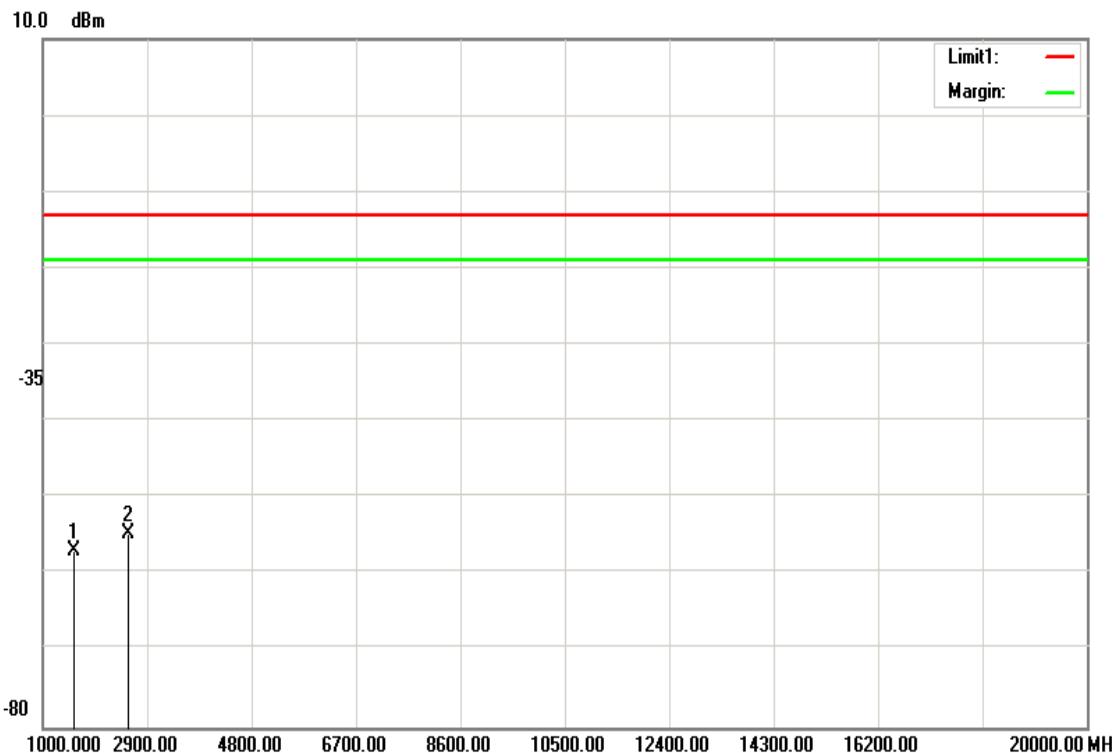
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1567.000	-58.25	4.94	6.18	-57.01	-13.00	-44.01	H
2561.000	-54.6	6.44	6.26	-54.78	-13.00	-41.78	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSDPA Band V / TX / CH 4233

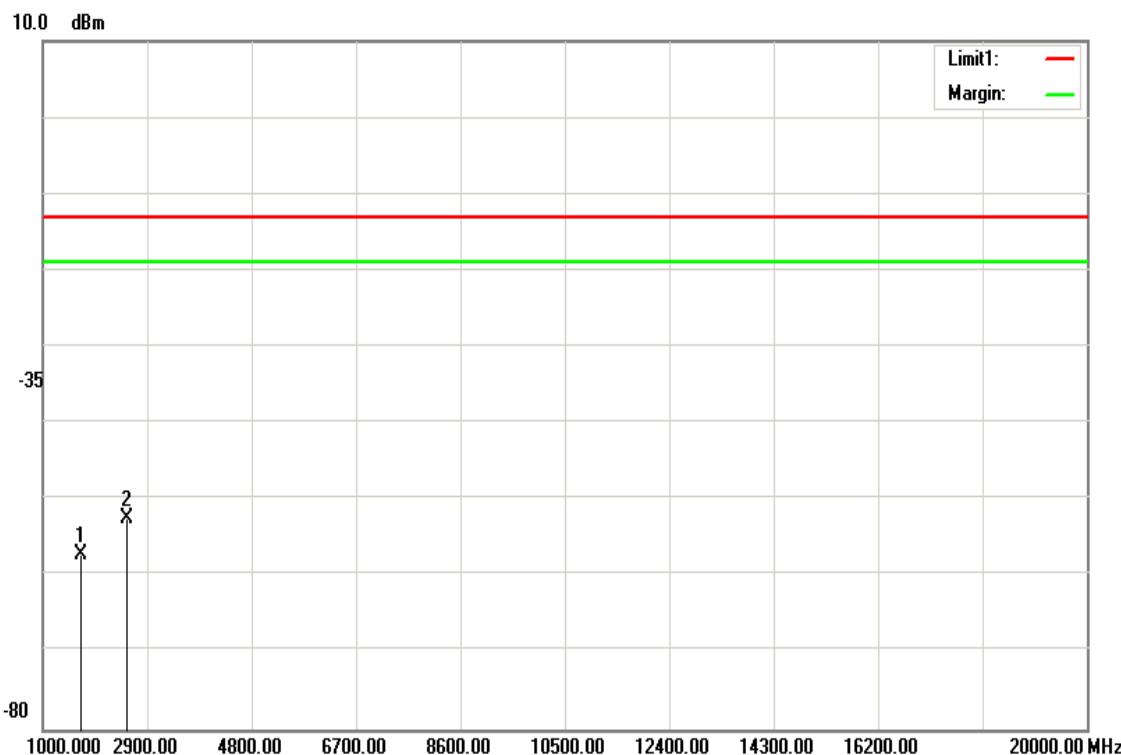
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1693.000	-58.01	5.1	5.95	-57.16	-13.00	-44.16	V
2539.000	-52.22	6.4	6.2	-52.42	-13.00	-39.42	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSDPA Band V / TX / CH 4233

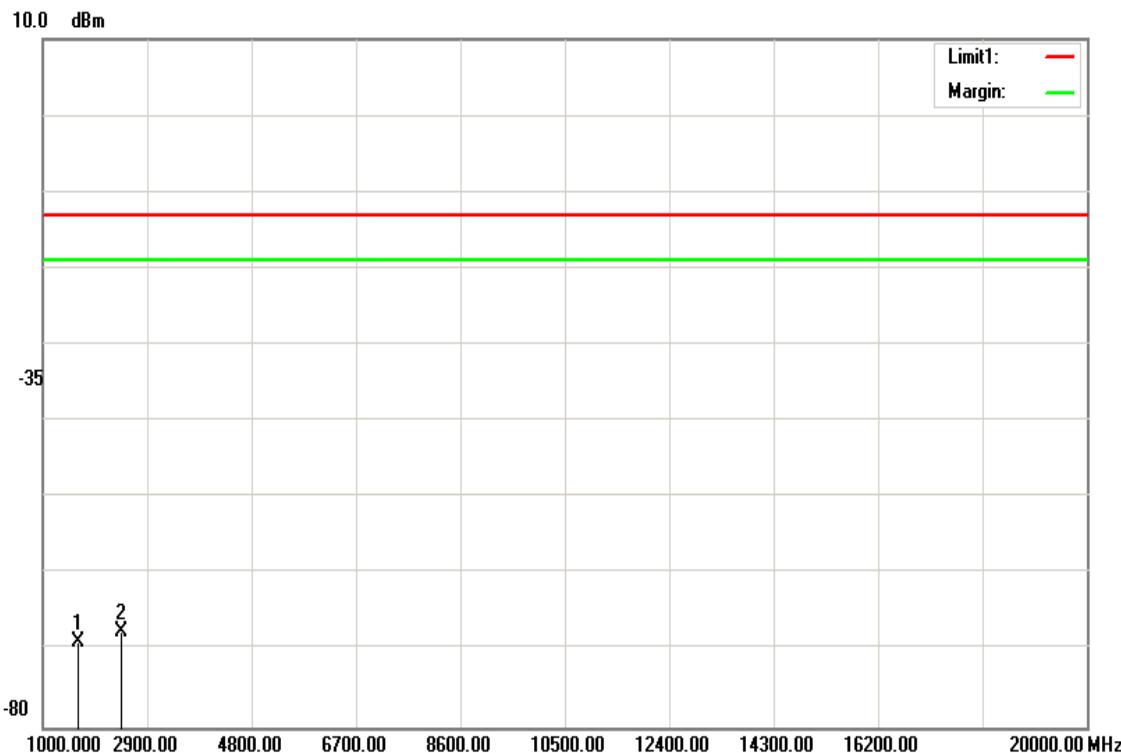
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1637.000	-69.93	5.03	6.05	-68.91	-13.00	-55.91	H
2435.000	-67.22	6.24	6.01	-67.45	-13.00	-54.45	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSUPA Band II / TX / CH 9262

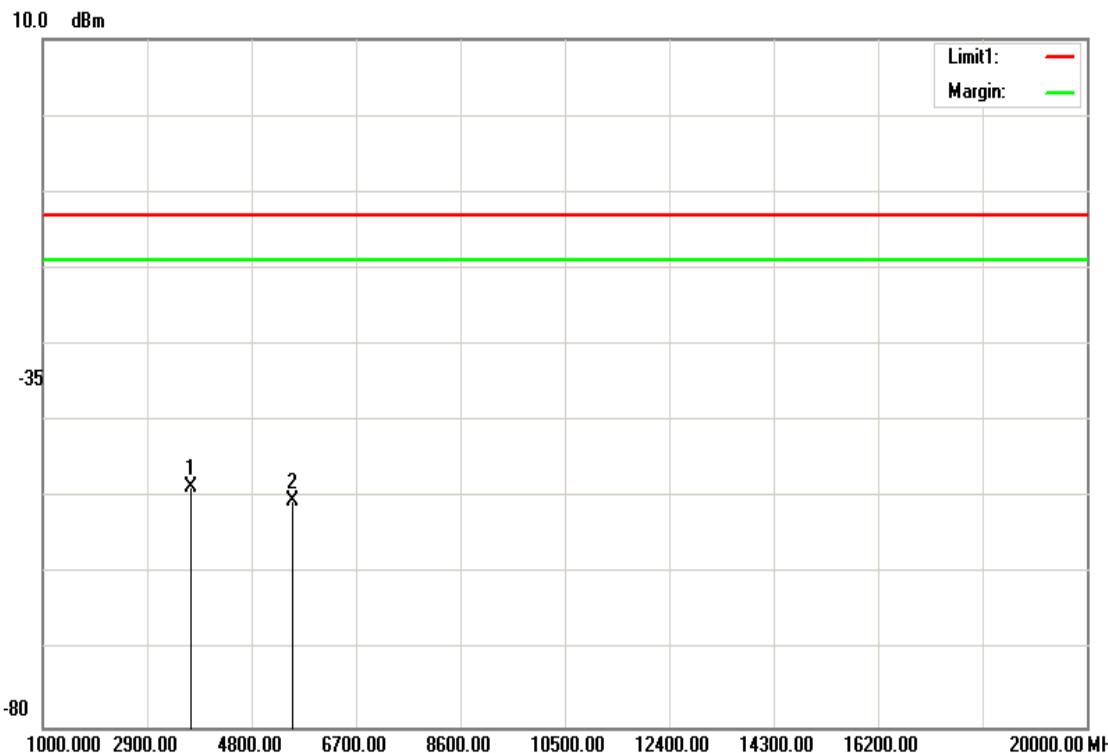
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3704.000	-49.53	8.2	9.1	-48.63	-13.00	-35.63	V
5557.000	-51.14	10.08	10.81	-50.41	-13.00	-37.41	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSUPA Band II / TX / CH 9262

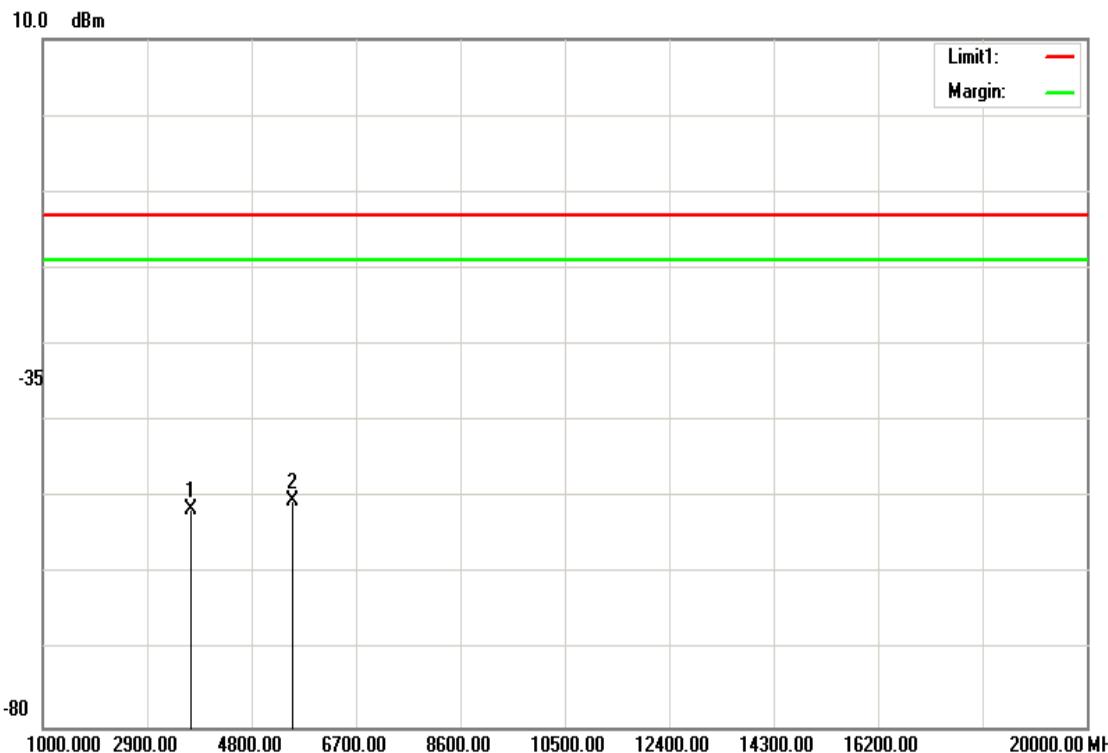
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3704.000	-52.51	8.2	9.1	-51.61	-13.00	-38.61	H
5557.000	-51.25	10.08	10.81	-50.52	-13.00	-37.52	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSUPA Band II / TX / CH 9400

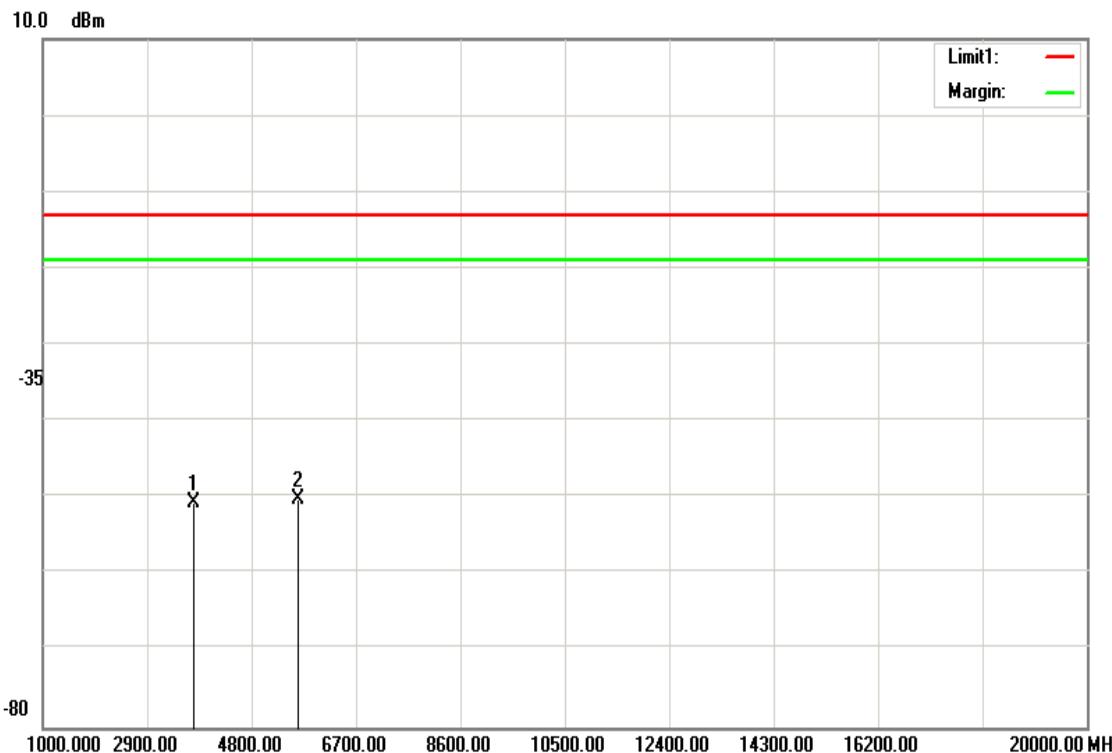
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3760.000	-51.6	8.24	9.16	-50.68	-13.00	-37.68	V
5640.000	-50.91	10.18	10.83	-50.26	-13.00	-37.26	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSUPA Band II / TX / CH 9400

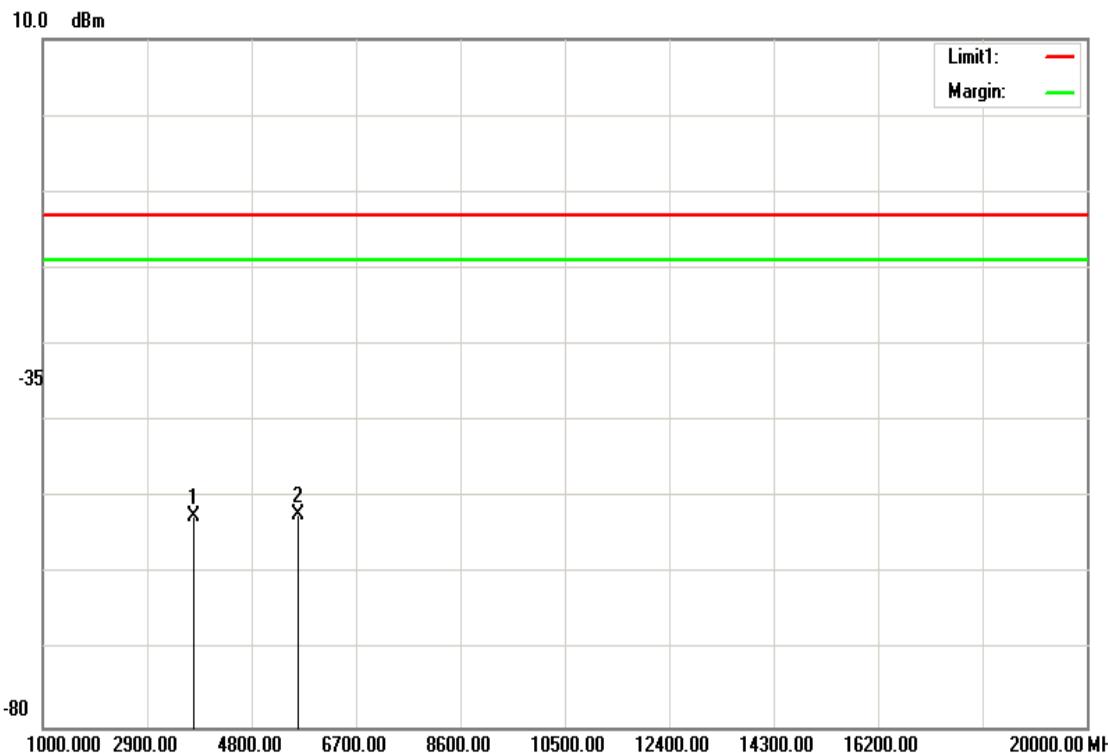
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3760.000	-53.27	8.24	9.16	-52.35	-13.00	-39.35	H
5640.000	-52.89	10.18	10.83	-52.24	-13.00	-39.24	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSUPA Band II / TX / CH 9538

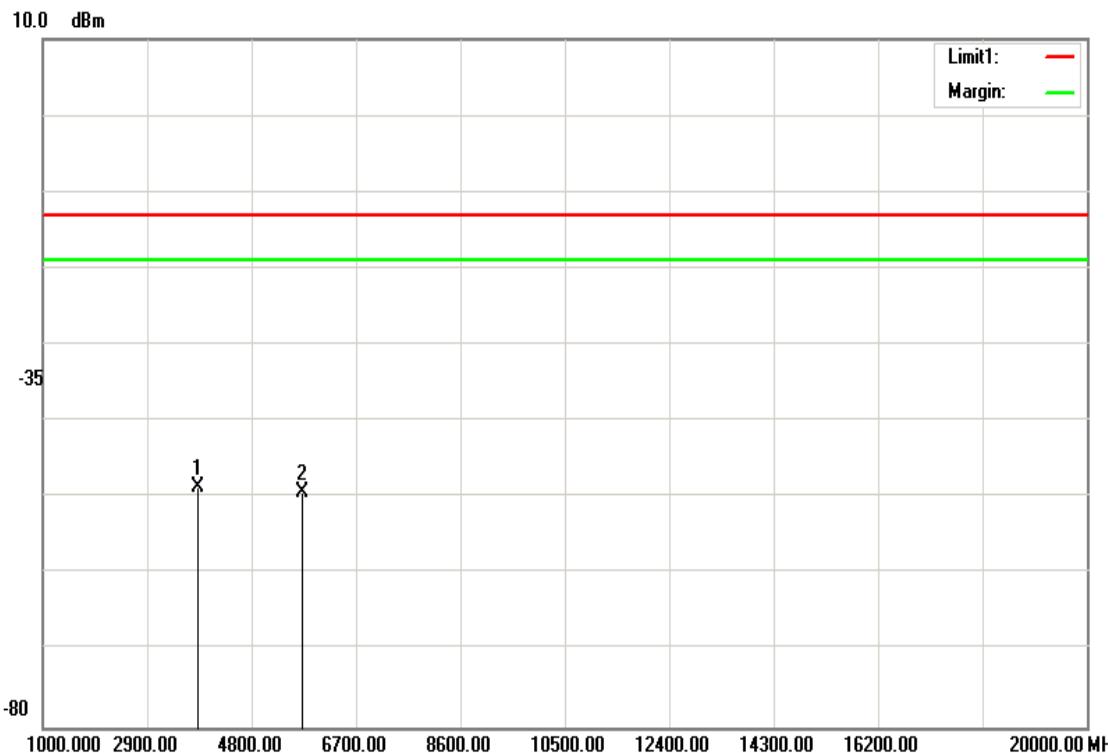
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3814.000	-49.43	8.28	9.21	-48.50	-13.00	-35.50	V
5721.000	-49.85	10.21	10.84	-49.22	-13.00	-36.22	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSUPA Band II / TX / CH 9538

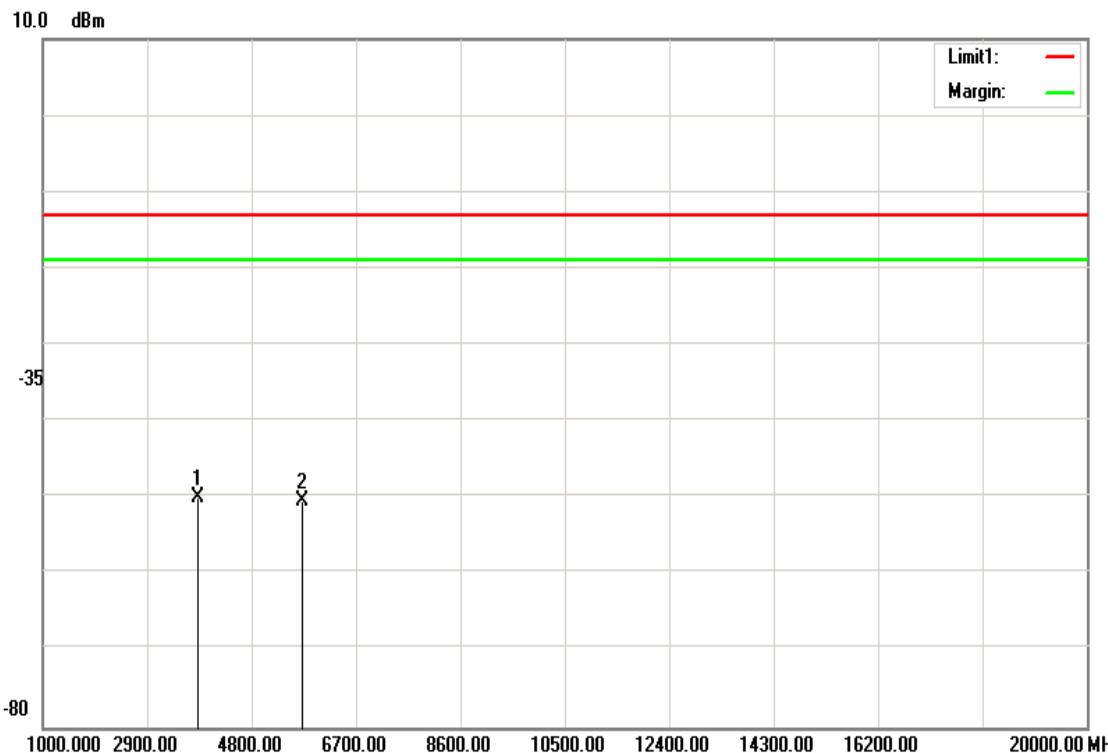
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3814.000	-50.84	8.28	9.21	-49.91	-13.00	-36.91	H
5721.000	-51.11	10.21	10.84	-50.48	-13.00	-37.48	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSUPA Band V / TX / CH 4132

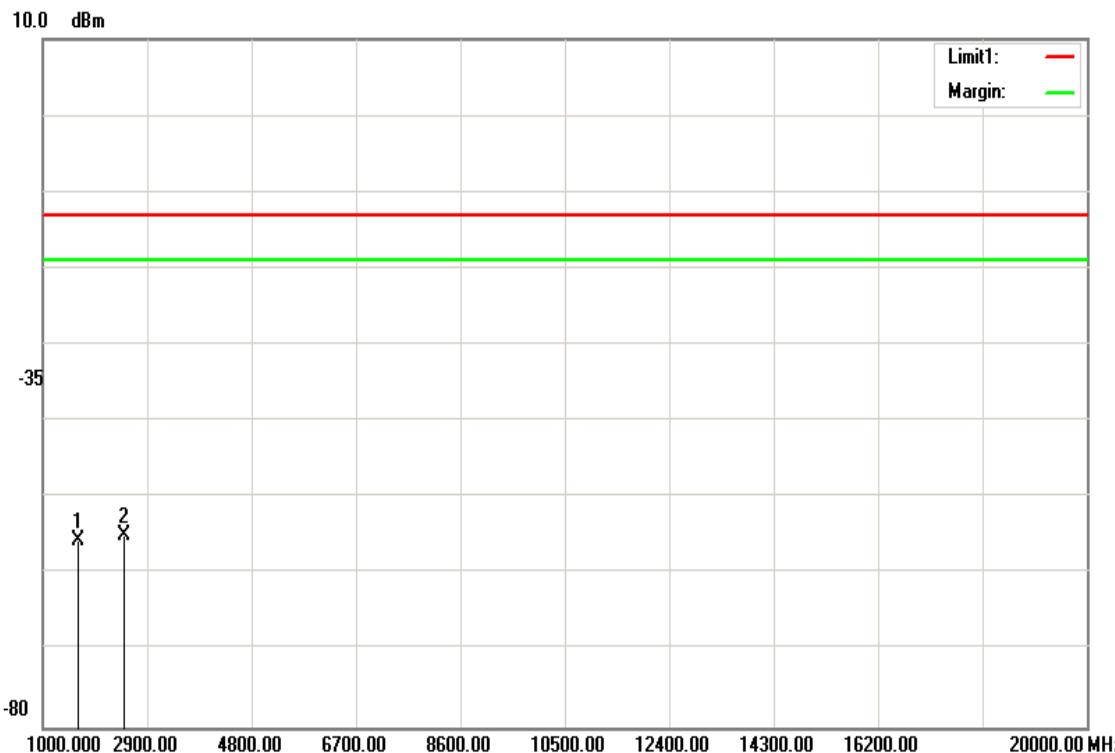
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver..



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1652.000	-56.58	5.05	6.03	-55.60	-13.00	-42.60	V
2479.000	-54.74	6.31	6.07	-54.98	-13.00	-41.98	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSUPA Band V / TX / CH 4132

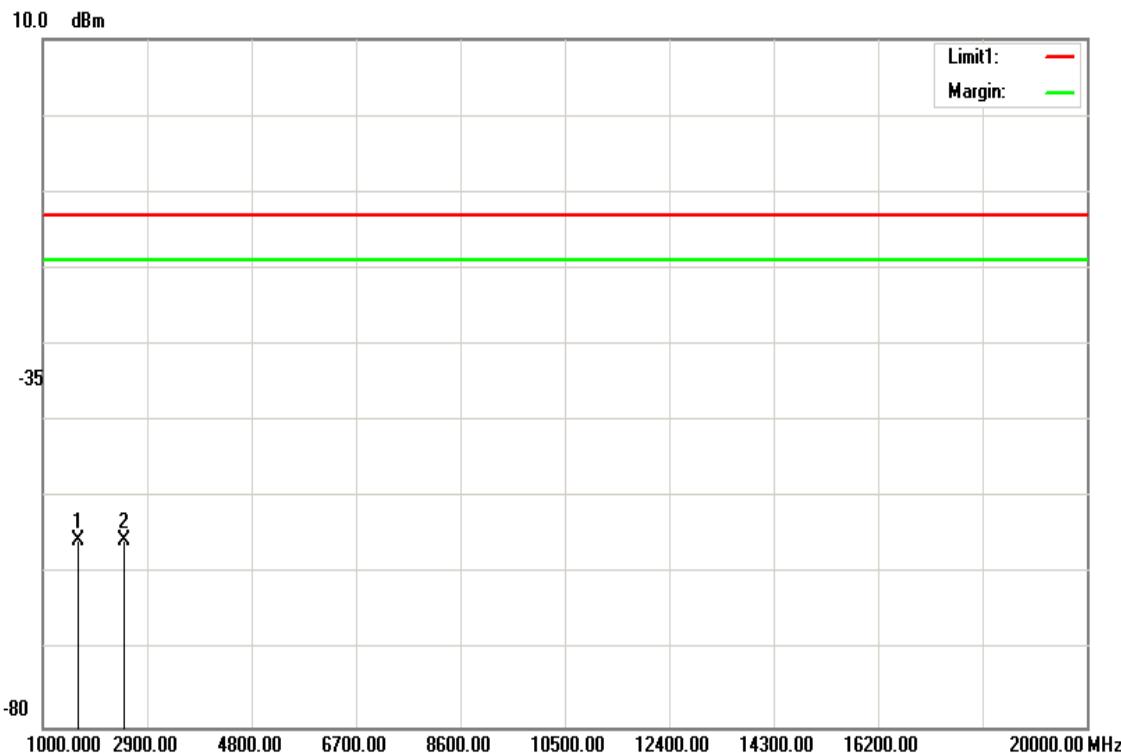
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1652.000	-56.49	5.05	6.03	-55.51	-13.00	-42.51	H
2479.000	-55.41	6.31	6.07	-55.65	-13.00	-42.65	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSUPA Band V / TX / CH 4182

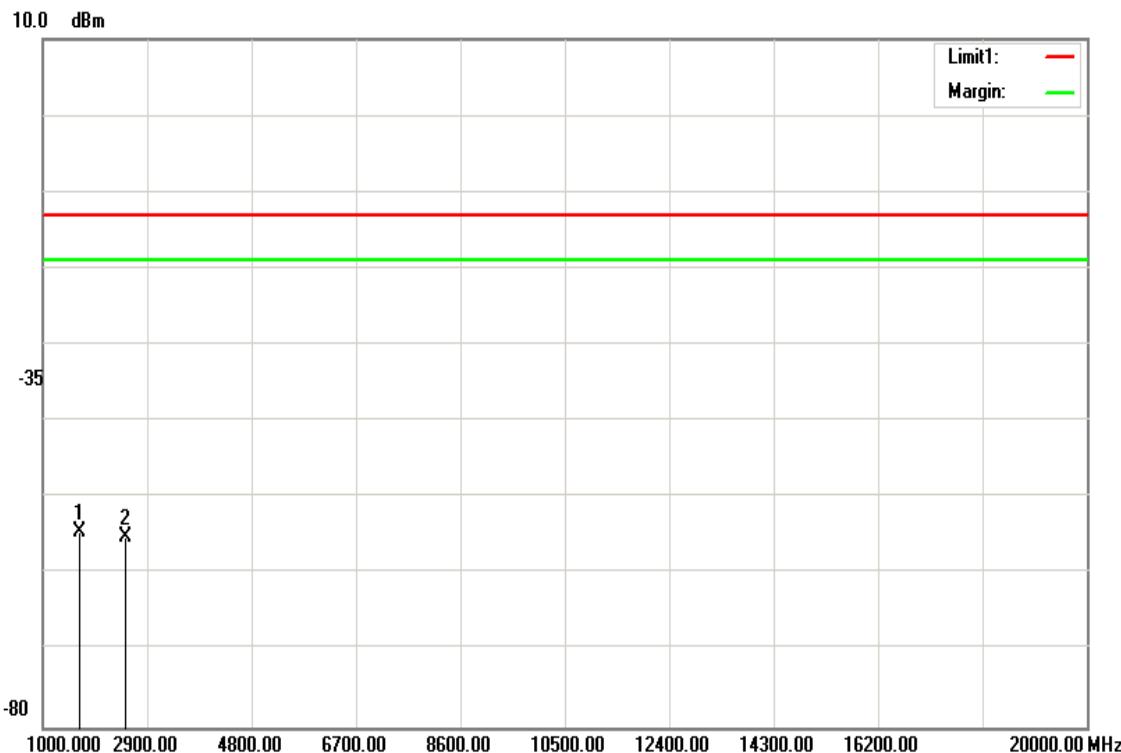
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1672.000	-55.34	5.07	5.99	-54.42	-13.00	-41.42	V
2509.000	-54.89	6.36	6.12	-55.13	-13.00	-42.13	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSUPA Band V / TX / CH 4182

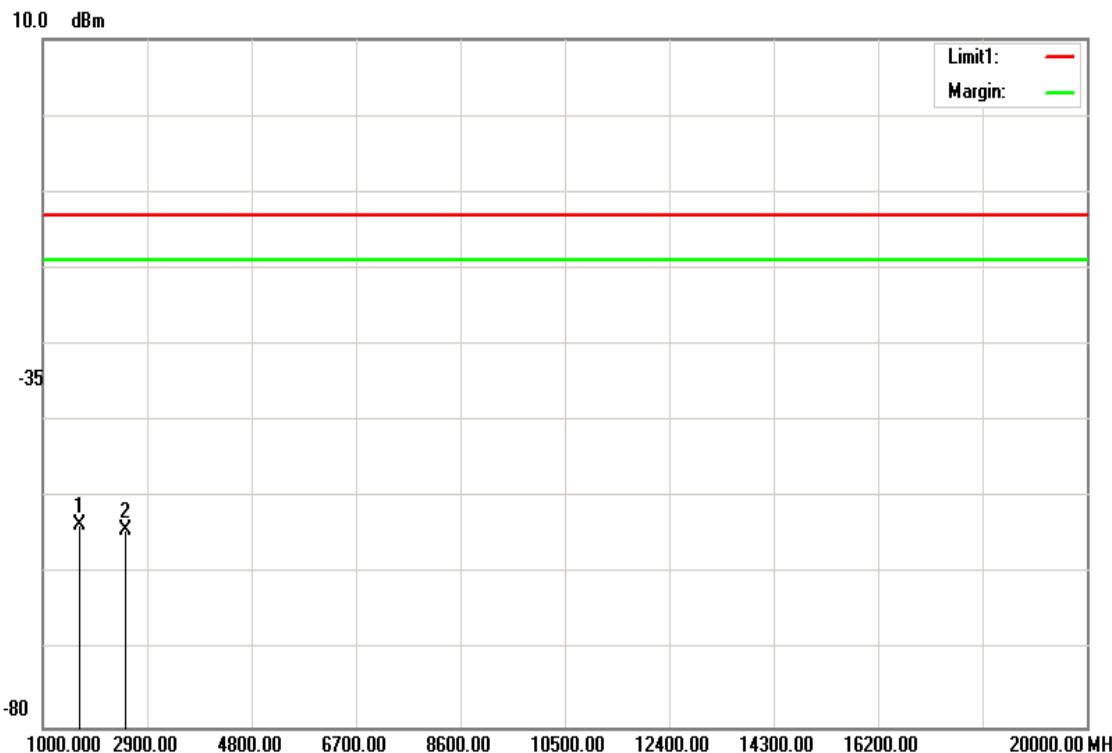
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1672.000	-54.45	5.07	5.99	-53.53	-13.00	-40.53	H
2509.000	-53.91	6.36	6.12	-54.15	-13.00	-41.15	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSUPA Band V / TX / CH 4233

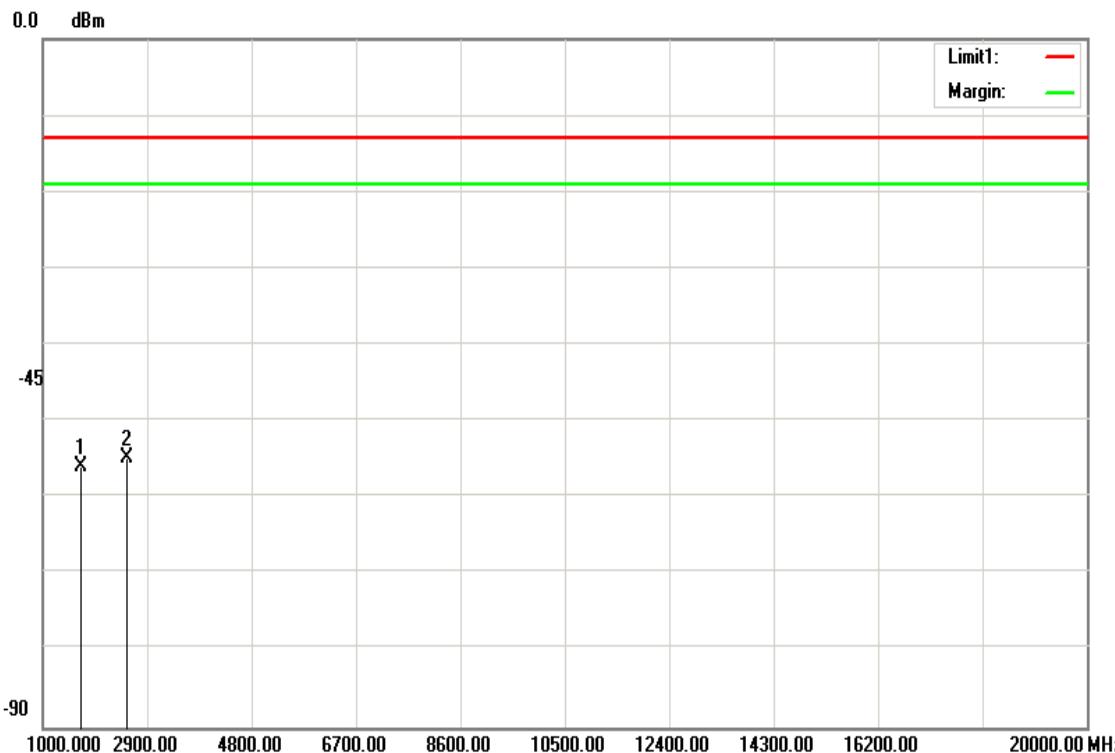
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1693.000	-56.82	5.1	5.95	-55.97	-13.00	-42.97	V
2539.000	-54.63	6.4	6.2	-54.83	-13.00	-41.83	V
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Operation Mode: HSUPA Band V / TX / CH 4233

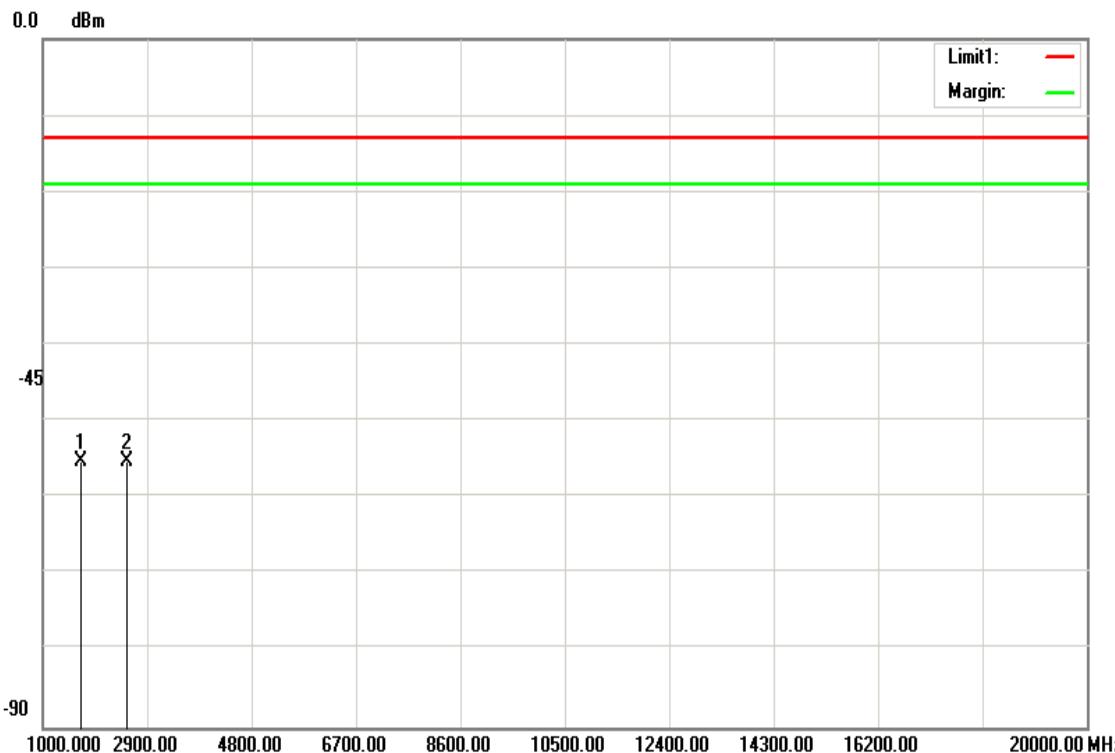
Test Date: March 30, 2016

Temperature: 22.6°C

Tested by: Dennis Li

Humidity: 57.2 % RH

Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1693.000	-55.99	5.1	5.95	-55.14	-13.00	-42.14	H
2539.000	-55.14	6.4	6.2	-55.34	-13.00	-42.34	H
N/A							

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

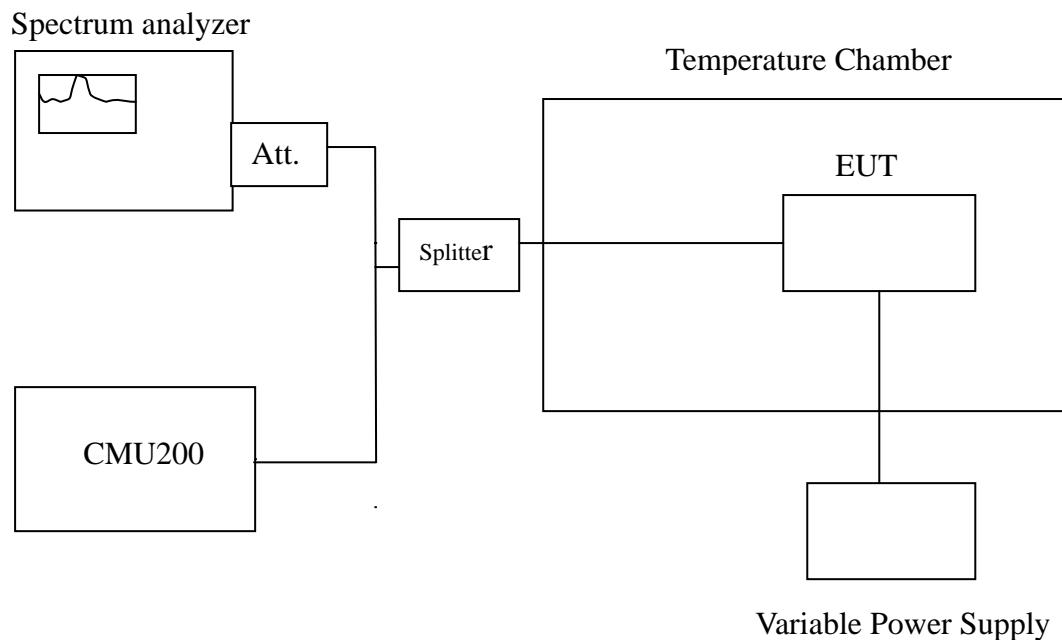
7.7 FREQUENCY STABILITY V.S. TEMPERATURE MEASUREMENT

LIMIT

According to FCC §2.1055, FCC §22.355, FCC §24.235.

Frequency Tolerance: 2.5 ppm

Test Configuration



Remark: Measurement setup for testing on Antenna connector

TEST PROCEDURE

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.

TEST RESULTS

No non-compliance noted.

Reference Frequency: GPRS Mid Channel 836.6 MHz @ 20°C				
Limit: +/- 2.5 ppm = 2091.5 Hz				
Power Supply Vdc	Environment Temperature (°C)	Frequency (Hz)	Frequency Error (ppm)	Limit (ppm)
12	50	-5.16	-0.0062	2.5
	40	-6.89	-0.0082	
	30	-6.23	-0.0074	
	20	-5.4	-0.0065	
	10	3.61	0.0043	
	0	-1.27	-0.0015	
	-10	-6.72	-0.0080	
	-20	-5.2	-0.0062	
	-30	-6.26	-0.0075	

Reference Frequency: GPRS Mid Channel 1880 MHz @ 20°C				
Limit: ± 2.5 ppm = 4700 Hz				
Power Supply Vdc	Environment Temperature (°C)	Frequency (Hz)	Frequency Error (ppm)	Limit (ppm)
12	50	5.53	0.0029	2.5
	40	-6.02	-0.0032	
	30	-6.89	-0.0037	
	20	-7.87	-0.0042	
	10	-8.16	-0.0043	
	0	4.41	0.0023	
	-10	-5.44	-0.0029	
	-20	-6.59	-0.0035	
	-30	-6.23	-0.0033	

Reference Frequency: EDGE Mid Channel 836.6 MHz @ 20°C				
Limit: +/- 2.5 ppm = 2091.5 Hz				
Power Supply Vdc	Environment Temperature (°C)	Frequency (Hz)	Frequency Error (ppm)	Limit (ppm)
12	50	-10.42	-0.0125	2.5
	40	-10.48	-0.0125	
	30	-9.86	-0.0118	
	20	-10.17	-0.0122	
	10	-9.13	-0.0109	
	0	-10.25	-0.0123	
	-10	-10.12	-0.0121	
	-20	-11.03	-0.0132	
	-30	-11.46	-0.0137	

Reference Frequency: EDGE Mid Channel 1880 MHz @ 20°C				
Limit: ± 2.5 ppm = 4700 Hz				
Power Supply Vdc	Environment Temperature (°C)	Frequency (Hz)	Frequency Error (ppm)	Limit (ppm)
12	50	-15.93	-0.0085	2.5
	40	-12.77	-0.0068	
	30	-13.38	-0.0071	
	20	-12.22	-0.0065	
	10	-12.63	-0.0067	
	0	-7.44	-0.0040	
	-10	-12.34	-0.0066	
	-20	-12.84	-0.0068	
	-30	-6.12	-0.0033	

Reference Frequency: WCDMA Band II Mid Channel 1880 MHz @ 20°C				
Limit: ± 2.5 ppm = 4700 Hz				
Power Supply Vdc	Environment Temperature (°C)	Frequency (Hz)	Frequency Error (ppm)	Limit (ppm)
12	50	-15.93	-0.0085	2.5
	40	-12.77	-0.0068	
	30	-13.38	-0.0071	
	20	-12.22	-0.0065	
	10	-12.63	-0.0067	
	0	-7.44	-0.0040	
	-10	-12.34	-0.0066	
	-20	-12.84	-0.0068	
	-30	-6.12	-0.0033	

Reference Frequency: WCDMA Band V Mid Channel 836.6 MHz @ 20°C				
Limit: +/- 2.5 ppm = 2091.5 Hz				
Power Supply Vdc	Environment Temperature (°C)	Frequency (Hz)	Frequency Error (ppm)	Limit (ppm)
12	50	-10.42	-0.0125	2.5
	40	-10.48	-0.0125	
	30	-9.86	-0.0118	
	20	-10.17	-0.0122	
	10	-9.13	-0.0109	
	0	-10.25	-0.0123	
	-10	-10.12	-0.0121	
	-20	-11.03	-0.0132	
	-30	-11.46	-0.0137	

Reference Frequency: HSDPA Band II Mid Channel 1880 MHz @ 20°C				
Limit: ± 2.5 ppm = 4700 Hz				
Power Supply Vdc	Environment Temperature (°C)	Frequency (Hz)	Frequency Error (ppm)	Limit (ppm)
12	50	-5.16	-0.0027	2.5
	40	-6.89	-0.0037	
	30	-6.23	-0.0033	
	20	-7.87	-0.0042	
	10	-8.16	-0.0043	
	0	4.41	0.0023	
	-10	-7.44	-0.0040	
	-20	-6.12	-0.0033	
	-30	-9.13	-0.0049	

Reference Frequency: HSDPA Band V Mid Channel 836.6 MHz @ 20°C				
Limit: +/- 2.5 ppm = 2091.5 Hz				
Power Supply Vdc	Environment Temperature (°C)	Frequency (Hz)	Frequency Error (ppm)	Limit (ppm)
12	50	-5.16	-0.0062	2.5
	40	-6.89	-0.0082	
	30	-6.23	-0.0074	
	20	-5.40	-0.0065	
	10	3.61	0.0043	
	0	-1.27	-0.0015	
	-10	-6.72	-0.0080	
	-20	-5.20	-0.0062	
	-30	-6.26	-0.0075	

Reference Frequency: HSUPA Band II Mid Channel 1880 MHz @ 20°C				
Limit: ± 2.5 ppm = 4700 Hz				
Power Supply Vdc	Environment Temperature (°C)	Frequency (Hz)	Frequency Error (ppm)	Limit (ppm)
12	50	-6.72	-0.0036	2.5
	40	-5.20	-0.0028	
	30	-6.26	-0.0033	
	20	-5.53	-0.0029	
	10	-6.02	-0.0032	
	0	-6.89	-0.0037	
	-10	-10.17	-0.0054	
	-20	-9.13	-0.0049	
	-30	-10.25	-0.0055	

Reference Frequency: HSUPA Band V Mid Channel 836.6 MHz @ 20°C				
Limit: +/- 2.5 ppm = 2091.5 Hz				
Power Supply Vdc	Environment Temperature (°C)	Frequency (Hz)	Frequency Error (ppm)	Limit (ppm)
12	50	-10.42	-0.0125	2.5
	40	-10.48	-0.0125	
	30	-9.86	-0.0118	
	20	-10.17	-0.0122	
	10	-9.13	-0.0109	
	0	-1.27	-0.0015	
	-10	-6.72	-0.0080	
	-20	-5.20	-0.0062	
	-30	-6.26	-0.0075	

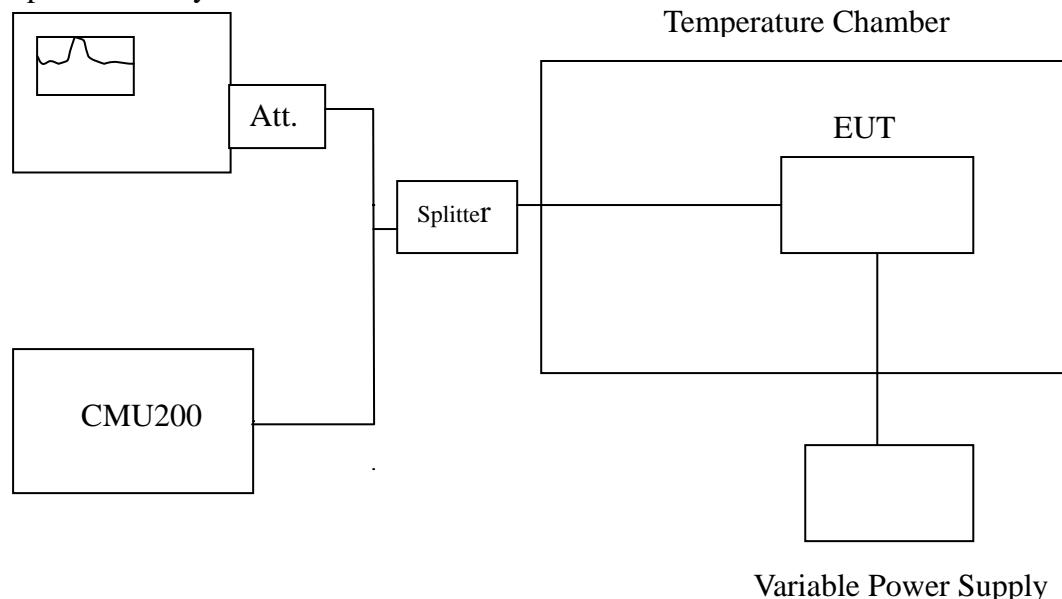
7.8 FREQUENCY STABILITY V.S. VOLTAGE MEASUREMENT

LIMIT

According to FCC §2.1055, FCC §22.355, FCC §24.235,

Test Configuration

Spectrum analyzer



Remark: Measurement setup for testing on Antenna connector.

TEST PROCEDURE

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation ($\pm 15\%$) and endpoint, record the maximum frequency change.

TEST RESULTS

No non-compliance noted.

Reference Frequency: GPRS Mid Channel 836.6 MHz @ 20°C				
Limit: ± 2.5 ppm = 2091.5Hz				
Power Supply Vdc	Environment Temperature (°C)	Frequency (Hz)	Delta (ppm)	Limit (ppm)
10.2	20	-5.55	-0.0066	2.5
12		-5.40	-0.0065	
13.8		-5.82	-0.0070	

Reference Frequency: GPRS Mid Channel 1880 MHz @ 20°C				
Limit: ± 2.5 ppm = 4700 Hz				
Power Supply Vdc	Environment Temperature (°C)	Frequency (Hz)	Delta (ppm)	Limit (ppm)
10.2	20	-7.53	-0.0040	2.5
12		-7.87	-0.0042	
13.8		-7.41	-0.0039	

Reference Frequency: EDGE Mid Channel 836.6 MHz @ 20°C				
Limit: ± 2.5 ppm = 2091.5Hz				
Power Supply Vdc	Environment Temperature (°C)	Frequency (Hz)	Delta (ppm)	Limit (ppm)
10.2	20	-10.47	-0.0125	2.5
12		-10.17	-0.0122	
13.8		-10.35	-0.0124	

Reference Frequency: EDGE Mid Channel 1880 MHz @ 20°C				
Limit: ± 2.5 ppm = 4700 Hz				
Power Supply Vdc	Environment Temperature (°C)	Frequency (Hz)	Delta (ppm)	Limit (ppm)
10.2	20	-12.58	-0.0067	2.5
12		-12.22	-0.0065	
13.8		-12.69	-0.0068	

Reference Frequency: WCDMA Band II Mid Channel 1880 MHz @ 20°C				
Limit: ± 2.5 ppm = 4700 Hz				
Power Supply Vdc	Environment Temperature (°C)	Frequency (Hz)	Delta (ppm)	Limit (ppm)
10.2	20	-12.58	-0.0067	2.5
12		-12.22	-0.0065	
13.8		-13.25	-0.0070	

Reference Frequency: WCDMA Band V Mid Channel 836.6 MHz @ 20°C				
Limit: ± 2.5 ppm = 2091.5Hz				
Power Supply Vdc	Environment Temperature (°C)	Frequency (Hz)	Delta (ppm)	Limit (ppm)
10.2	20	-9.85	-0.0118	2.5
12		-10.17	-0.0122	
13.8		-10.23	-0.0122	

Reference Frequency: HSDPA Band II Mid Channel 1880 MHz @ 20°CLimit: ± 2.5 ppm = 4700 Hz

Power Supply Vdc	Environment Temperature (°C)	Frequency (Hz)	Delta (ppm)	Limit (ppm)
10.2	20	-8.58	-0.0046	2.5
12		-7.87	-0.0042	
13.8		-8.55	-0.0045	

Reference Frequency: HSDPA Band V Mid Channel 836.6 MHz @ 20°CLimit: ± 2.5 ppm = 2091.5Hz

Power Supply Vdc	Environment Temperature (°C)	Frequency (Hz)	Delta (ppm)	Limit (ppm)
10.2	20	-6.32	-0.0076	2.5
12		-5.40	-0.0065	
13.8		-7.14	-0.0085	

Reference Frequency: HSUPA Band II Mid Channel 1880 MHz @ 20°CLimit: ± 2.5 ppm = 4700 Hz

Power Supply Vdc	Environment Temperature (°C)	Frequency (Hz)	Delta (ppm)	Limit (ppm)
10.2	20	-6.32	-0.0034	2.5
12		-5.53	-0.0029	
13.8		-7.29	-0.0039	

Reference Frequency: HSUPA Band V Mid Channel 836.6 MHz @ 20°CLimit: ± 2.5 ppm = 2091.5Hz

Power Supply Vdc	Environment Temperature (°C)	Frequency (Hz)	Delta (ppm)	Limit (ppm)
10.2	20	-11.58	-0.0138	2.5
12		-10.17	-0.0122	
13.8		-12.54	-0.0150	