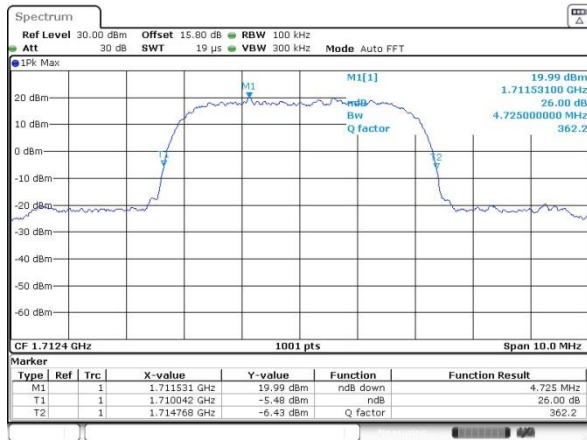




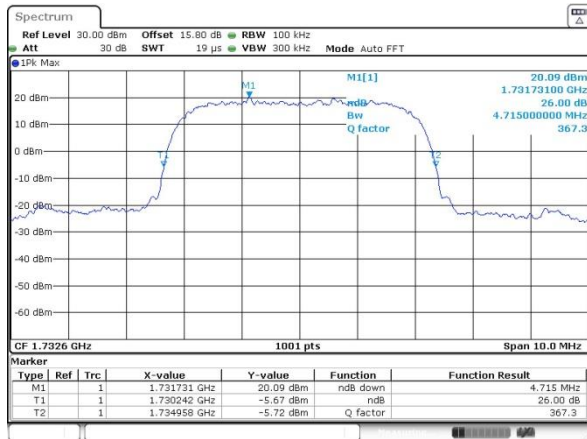
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



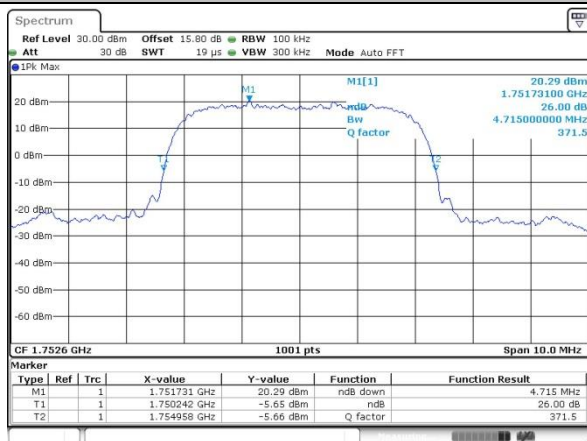
Date: 25 NOV 2019 07:54:03

Middle Channel



Date: 25 NOV 2019 07:54:48

Highest Channel



Date: 26 NOV 2019 01:26:11



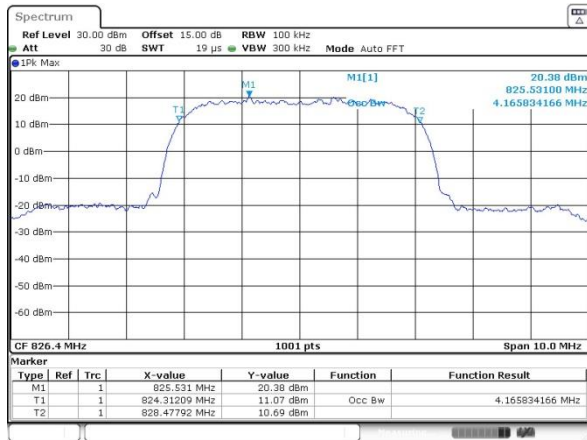
Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.166	4.156	4.156
Middle CH	4.156	4.166	4.166
Highest CH	4.156	4.156	4.166



WCDMA Band V (RMC 12.2Kbps)

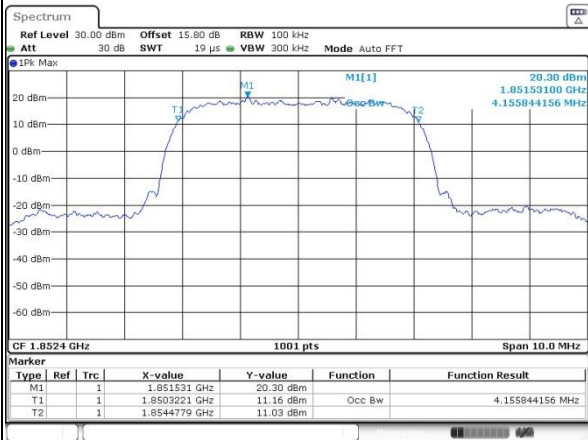
Lowest Channel



Date: 25 NOV 2019 07:41:06

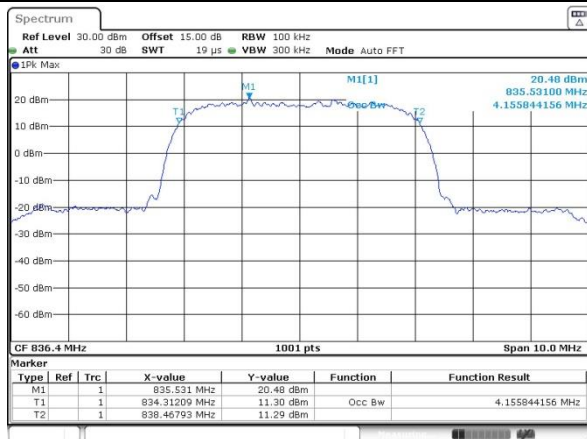
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



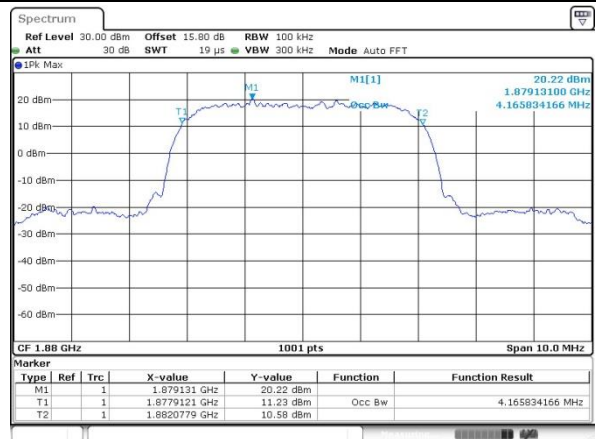
Date: 25 NOV 2019 08:44:07

Middle Channel



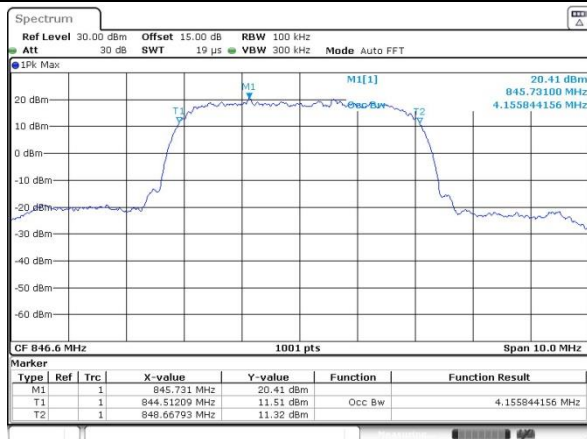
Date: 25 NOV 2019 07:41:42

Middle Channel



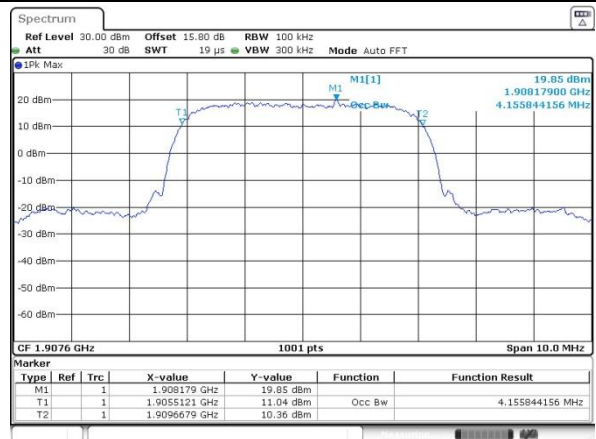
Date: 28 NOV 2019 01:19:06

Highest Channel



Date: 25 NOV 2019 07:42:16

Highest Channel

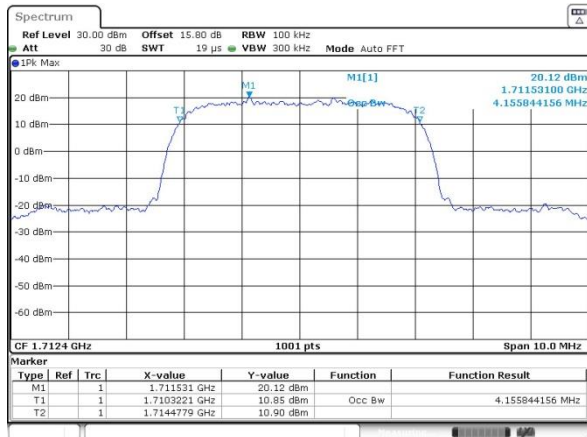


Date: 25 NOV 2019 08:44:55

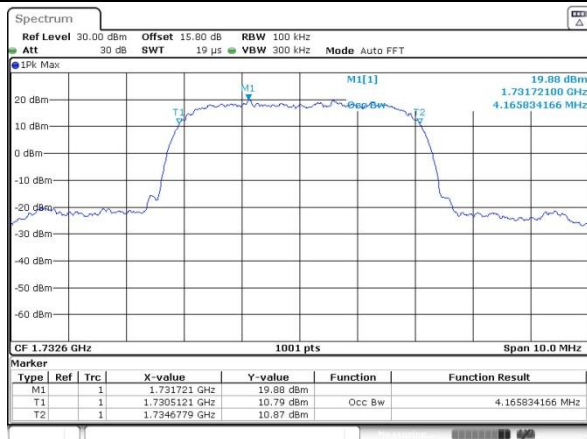


WCDMA Band IV (RMC 12.2Kbps)

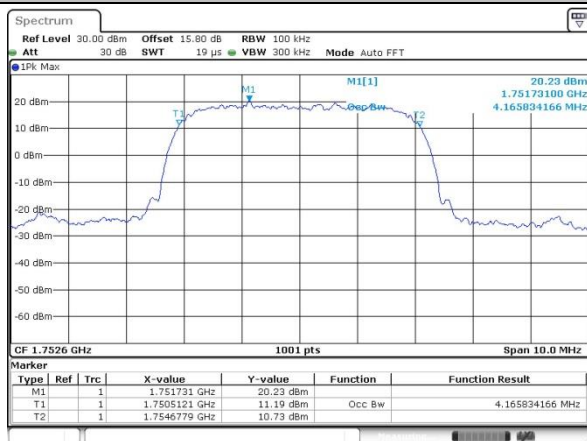
Lowest Channel



Middle Channel



Highest Channel

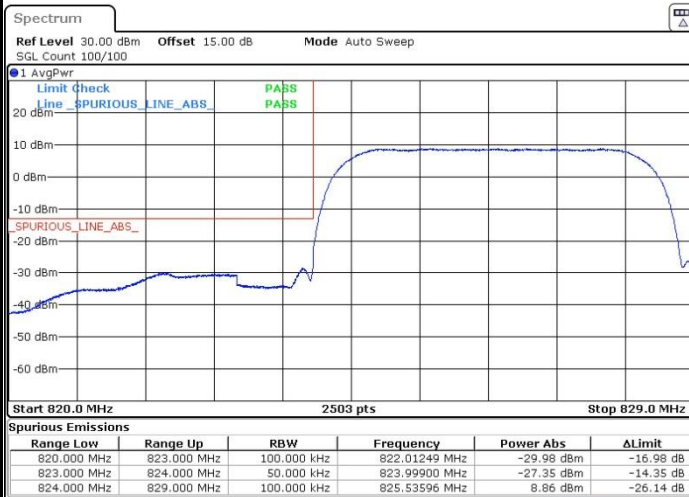




Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

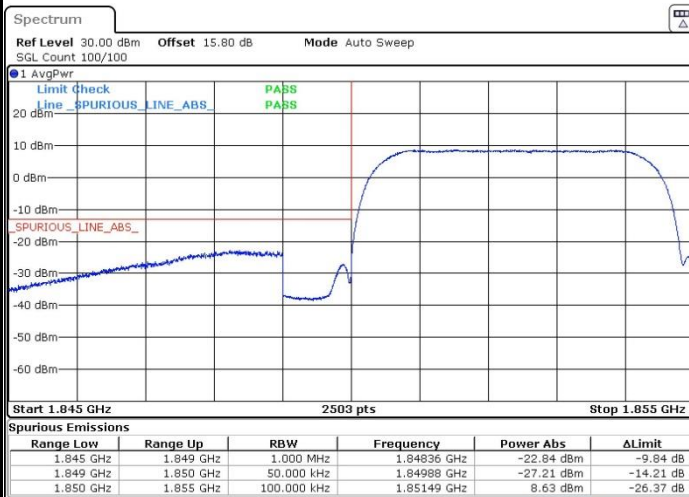


Highest Band Edge

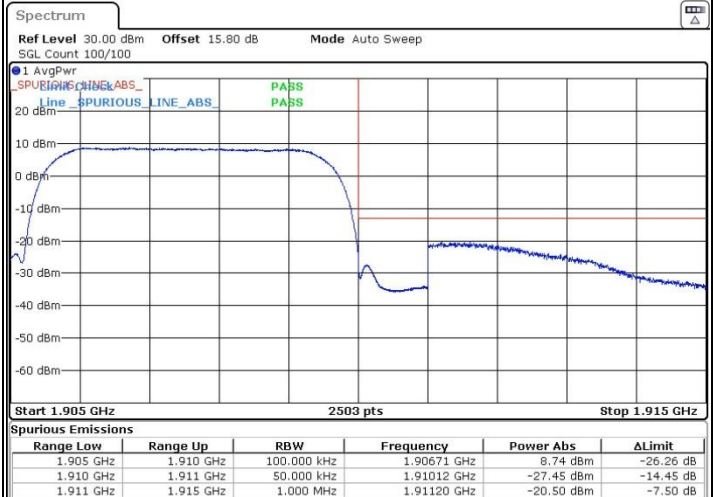


WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge





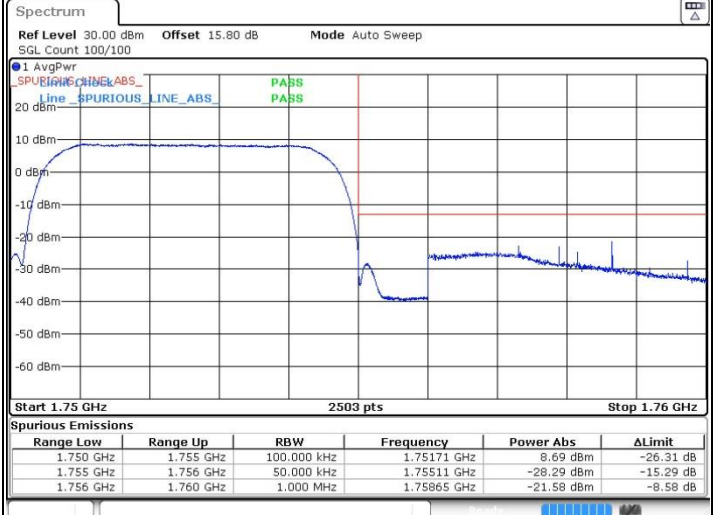
WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 25 NOV.2019 08:02:52



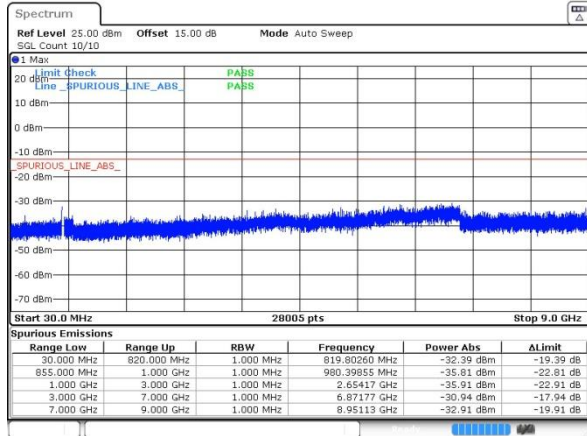
Date: 25 NOV.2019 08:05:39



Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

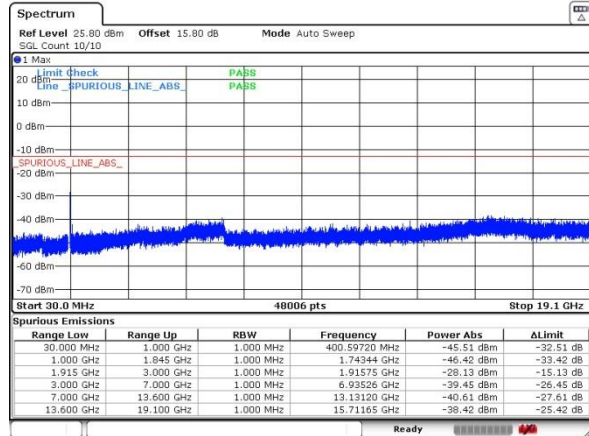
Lowest Channel



Date: 25 NOV 2019 07:49:10

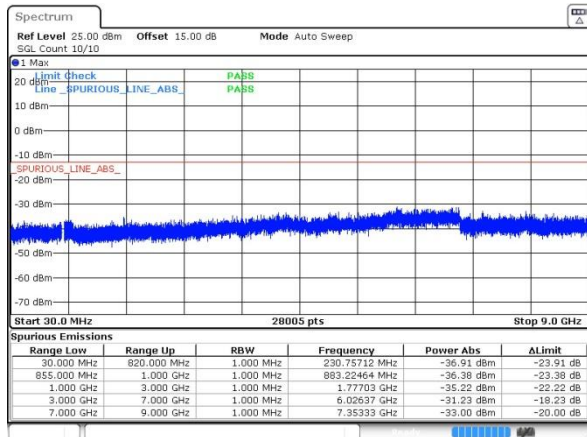
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



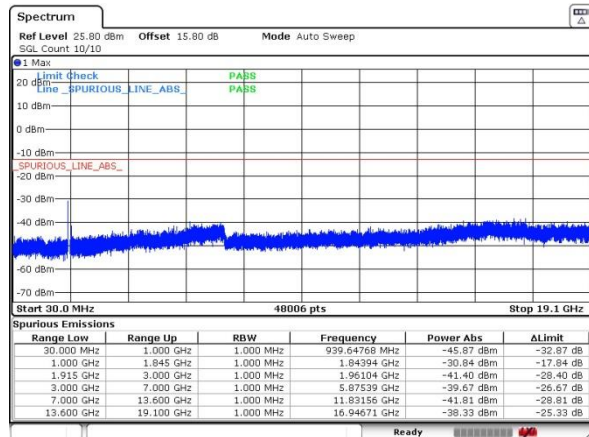
Date: 25 NOV 2019 08:43:04

Middle Channel



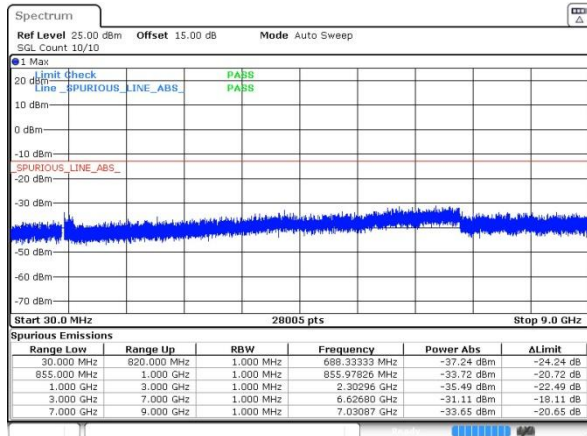
Date: 25 NOV 2019 07:50:32

Middle Channel



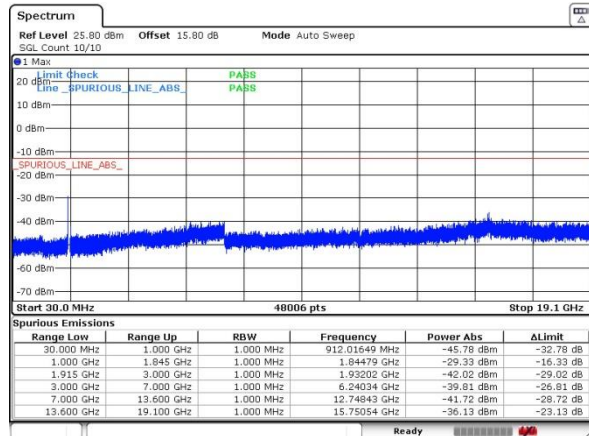
Date: 25 NOV 2019 08:42:50

Highest Channel



Date: 25 NOV 2019 07:51:54

Highest Channel

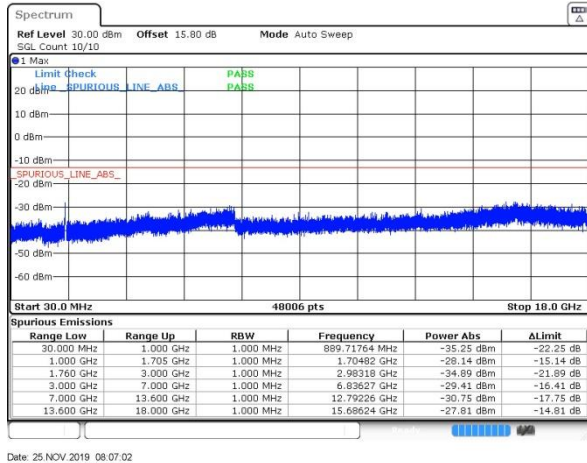


Date: 25 NOV 2019 08:42:22

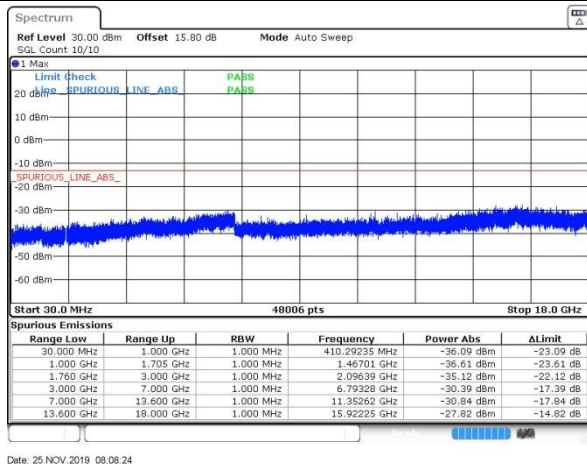


WCDMA Band IV (RMC 12.2Kbps)

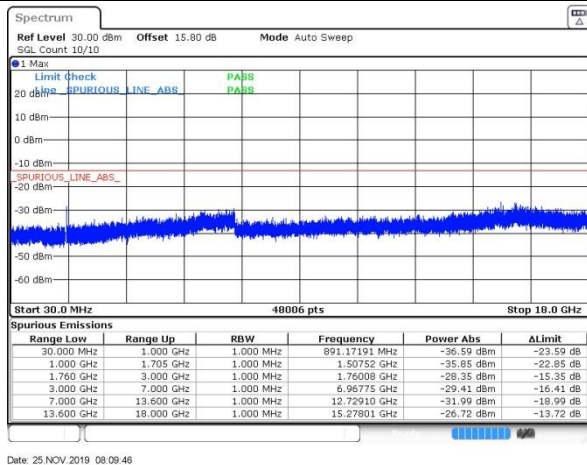
Lowest Channel



Middle Channel



Highest Channel



**Frequency Stability**

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2KbpsRMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0068	PASS
40	Normal Voltage	0.0255	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0278	
0	Normal Voltage	0.0243	
-10	Normal Voltage	0.0068	
-20	Normal Voltage	0.0273	
-30	Normal Voltage	0.0036	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0234	
20	Battery End Point	0.0263	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0112	
30	Normal Voltage	0.0118	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0164	
0	Normal Voltage	0.0048	
-10	Normal Voltage	0.0143	
-20	Normal Voltage	0.0159	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0096	
20	Battery End Point	0.0032	

Note:

1. Normal Voltage = 3.8V ; Battery End Point (BEP) =3.6V ; Maximum Voltage =4.4V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0035	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0150	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0127	
-10	Normal Voltage	0.0035	
-20	Normal Voltage	0.0144	
-30	Normal Voltage	0.0046	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0133	
20	Battery End Point	0.0035	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

GSM850 (GPRS class 8)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672	-52.44	-13	-39.44	-59.41	1.58	10.70	H
	2510	-50.20	-13	-37.20	-58.45	2.102	12.50	H
	3348	-54.29	-13	-41.29	-63.18	2.856	13.90	H
	1672	-50.39	-13	-37.39	-57.36	1.58	10.70	V
	2510	-48.14	-13	-35.14	-56.39	2.10	12.50	V
	3348	-57.45	-13	-44.45	-66.34	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

GSM850 (EDGE class 8)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672	-52.80	-13	-39.80	-59.77	1.58	10.70	H
	2510	-51.60	-13	-38.60	-59.85	2.102	12.50	H
	3348	-58.71	-13	-45.71	-67.60	2.856	13.90	H
	1672	-53.16	-13	-40.16	-60.13	1.58	10.70	V
	2510	-48.57	-13	-35.57	-56.82	2.10	12.50	V
	3348	-56.13	-13	-43.13	-65.02	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



GSM1900 (GPRS class 8)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3759	-57.04	-13	-44.04	-69.30	2.641	14.90	H
	5640	-55.16	-13	-42.16	-67.02	2.94	14.80	H
	7524	-50.27	-13	-37.27	-60.04	3.39	13.16	H
	3760	-56.64	-13	-43.64	-68.90	2.64	14.90	V
	5640	-54.72	-13	-41.72	-66.58	2.94	14.80	V
	7524	-49.69	-13	-36.69	-59.46	3.39	13.16	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

GSM1900 (EDGE class 8)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3759	-57.07	-13	-44.07	-69.33	2.64	14.90	H
	5640	-55.34	-13	-42.34	-67.20	2.94	14.80	H
	7524	-50.61	-13	-37.61	-60.38	3.39	13.16	H
	3759	-57.08	-13	-44.08	-69.34	2.64	14.90	V
	5640	-54.74	-13	-41.74	-66.60	2.94	14.80	V
	7524	-49.73	-13	-36.73	-59.50	3.39	13.16	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

WCDMA Band V(RMC 12.2Kbps)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672	-67.81	-13	-54.81	-74.78	1.58	10.70	H
	2510	-63.13	-13	-50.13	-71.38	2.102	12.50	H
	3348	-63.40	-13	-50.40	-72.29	2.856	13.90	H
	1672	-68.12	-13	-55.12	-75.09	1.58	10.70	V
	2510	-63.14	-13	-50.14	-71.39	2.10	12.50	V
	3348	-63.60	-13	-50.60	-72.49	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

WCDMA Band II(RMC 12.2Kbps)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3759	-56.89	-13	-43.89	-69.15	2.64	14.90	H
	5640	-54.66	-13	-41.66	-66.52	2.94	14.80	H
	7524	-50.03	-13	-37.03	-59.80	3.39	13.16	H
	3759	-56.15	-13	-43.15	-68.41	2.64	14.90	V
	5640	-54.43	-13	-41.43	-66.29	2.94	14.80	V
	7524	-49.38	-13	-36.38	-59.15	3.39	13.16	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

WCDMA Band IV(RMC 12.2Kbps)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3465	-61.29	-13	-48.29	-72.03	2.604	13.34	H
	5199	-56.22	-13	-43.22	-66.73	3.011	13.52	H
	6936	-52.15	-13	-39.15	-62.35	3.271	13.47	H
	3465	-61.17	-13	-48.17	-71.91	2.604	13.34	V
	5199	-55.93	-13	-42.93	-66.44	3.011	13.52	V
	6936	-52.17	-13	-39.17	-62.37	3.271	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.