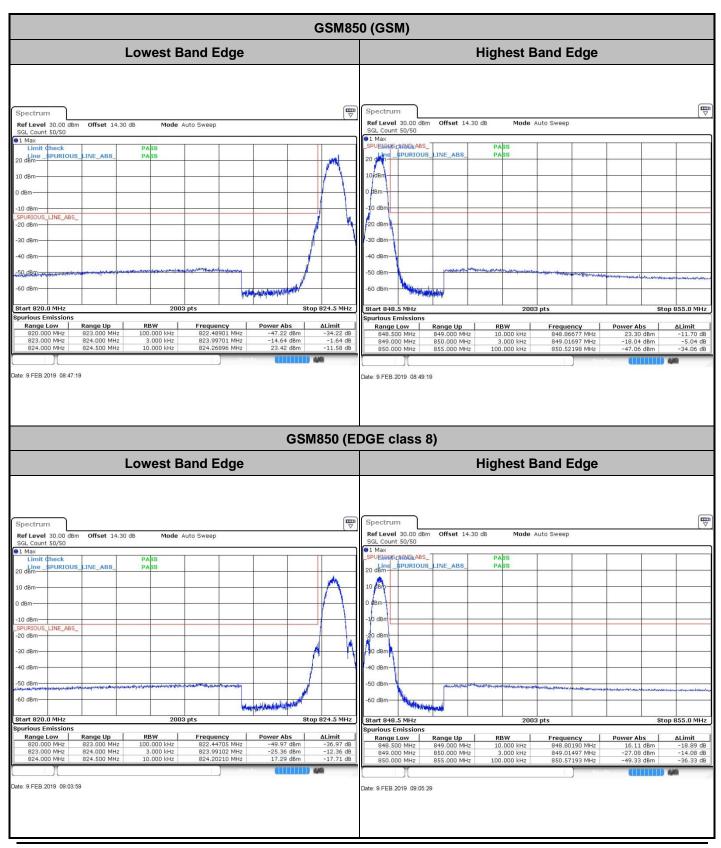


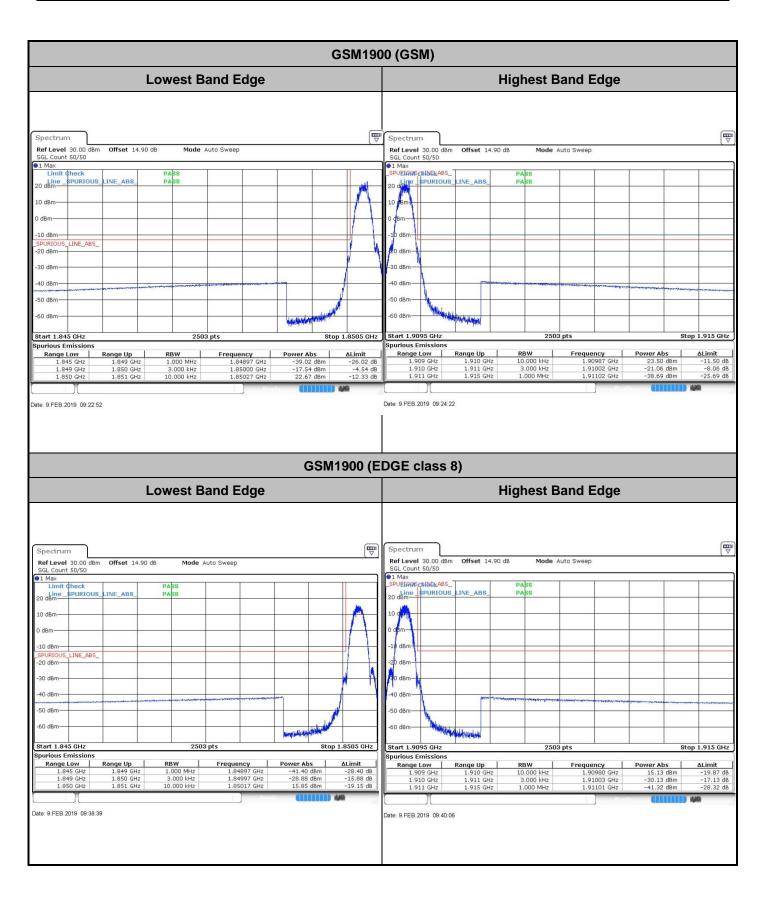
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Conducted Band Edge



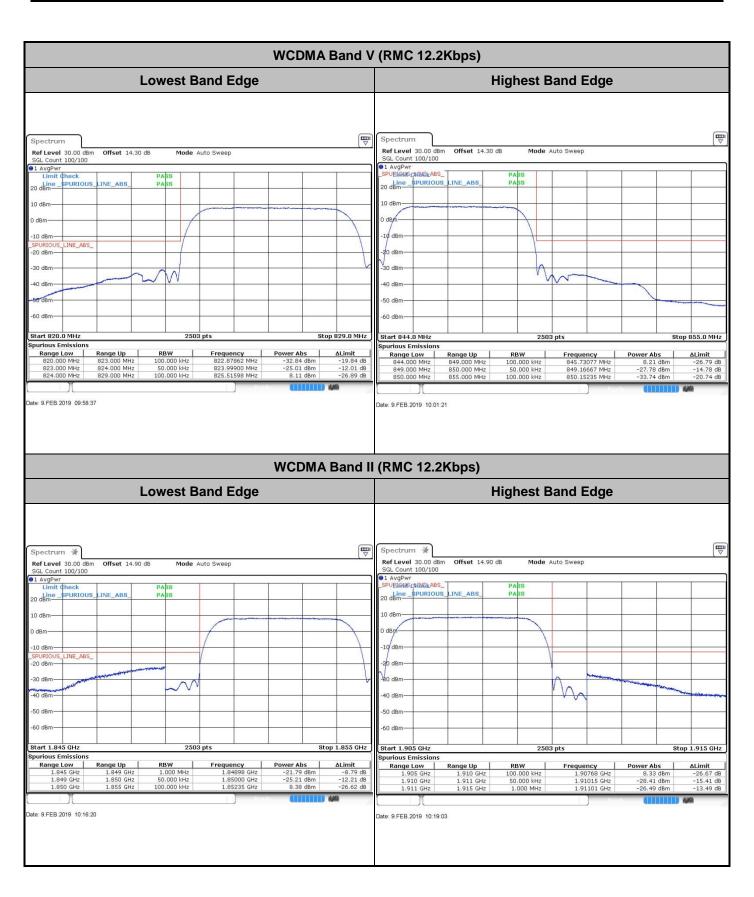
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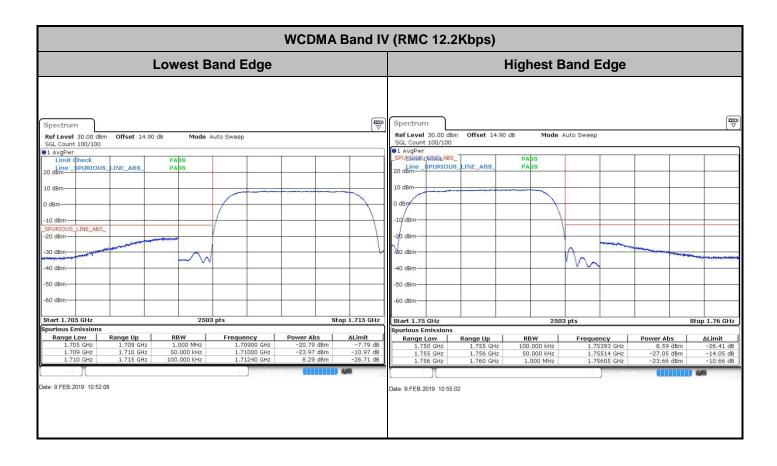
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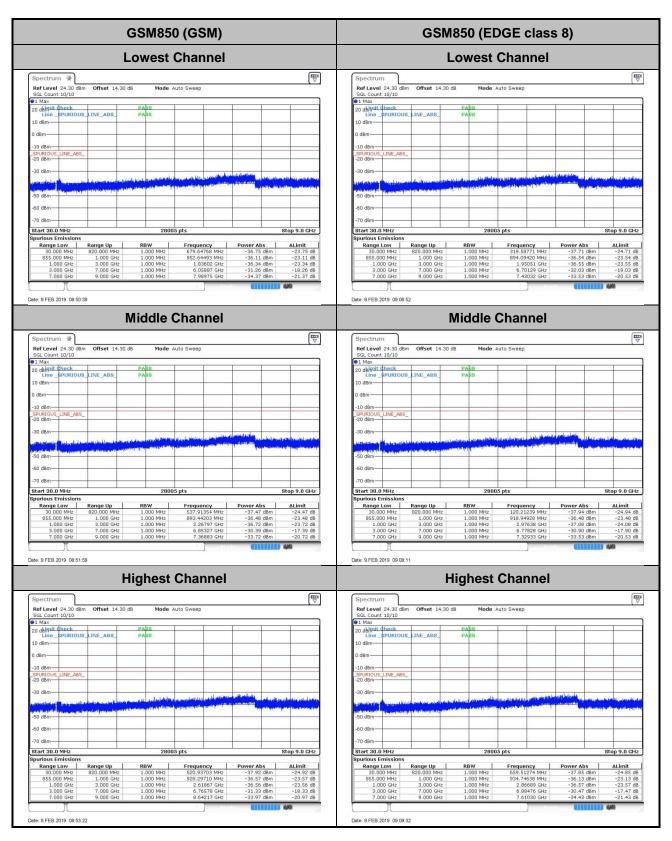
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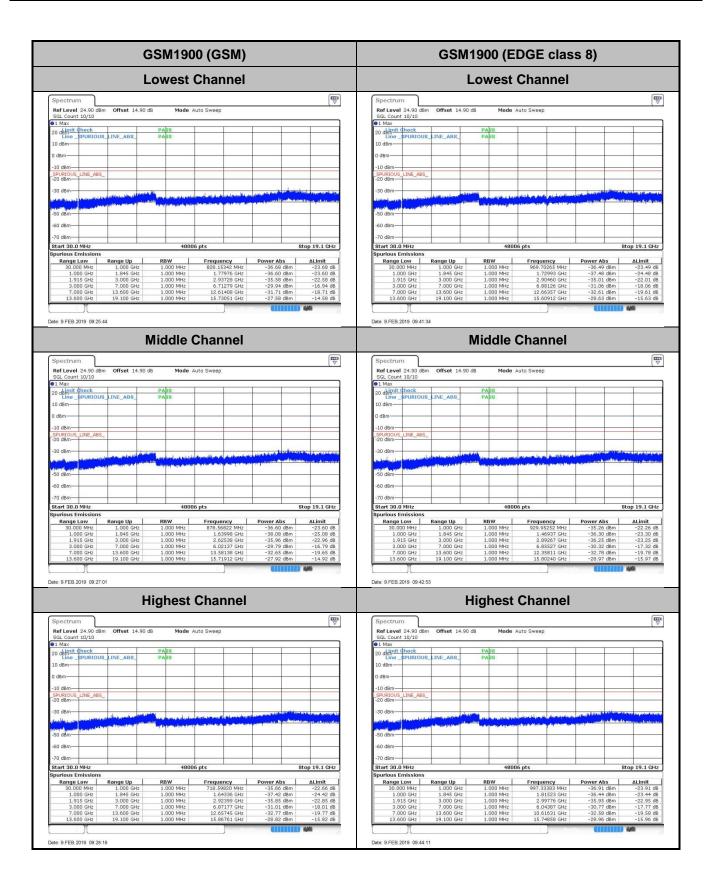
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Conducted Spurious Emission

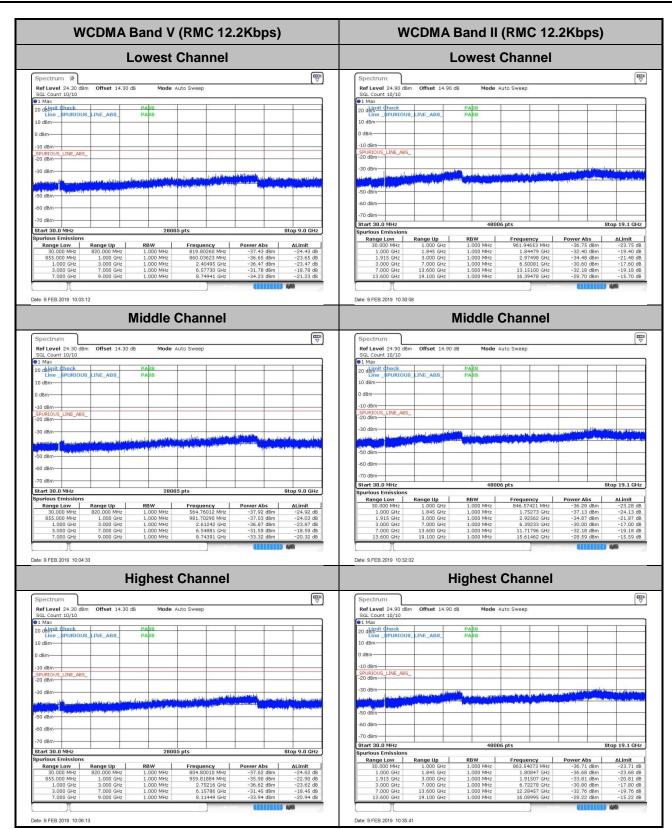


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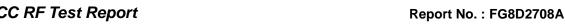
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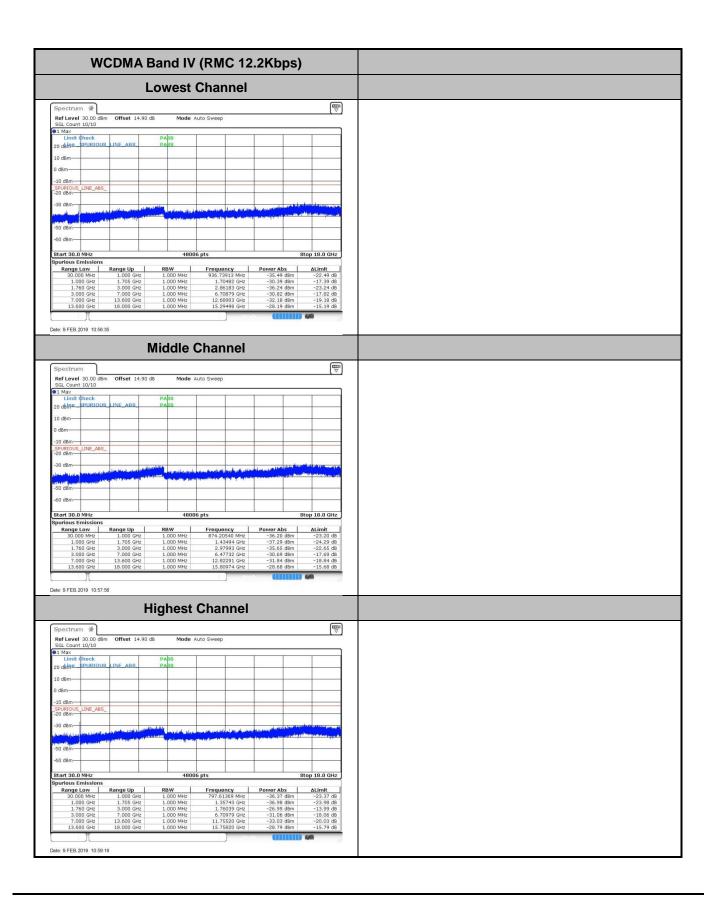


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Frequency Stability

Test Conditions	Middle Channel	GSM850 (GSM)	GSM850 (EDGE class 8)	Limit 2.5ppm		
Temperature (°C)	Voltage (Volt)	Deviation (ppm)				
50	Normal Voltage	0.0048	0.0060			
40	Normal Voltage	0.0526	0.0167			
30	Normal Voltage	0.0120	0.0538			
20(Ref.)	Normal Voltage	0.0000	0.0000			
10	Normal Voltage	0.0574	0.0335			
0	Normal Voltage	0.0191	0.0538			
-10	Normal Voltage	0.0084	0.0466	PASS		
-20	Normal Voltage	0.0143	0.0167			
-30	Normal Voltage	0.0108	0.0478			
20	Maximum Voltage	0.0466	0.0514			
20	Normal Voltage	0.0000	0.0000			
20	Battery End Point	0.0395	0.0395			

Note: Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.7V. ; Maximum Voltage = 4.4V

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Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviatio	n (ppm)	Result
50	Normal Voltage	0.0053	0.0005	
40	Normal Voltage	0.0016	0.0016	
30	Normal Voltage	0.0027	0.0021	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0170	0.0255	
0	Normal Voltage	0.0074	0.0186	
-10	Normal Voltage	0.0160	0.0011	PASS
-20	Normal Voltage	0.0218	0.0037	
-30	Normal Voltage	0.0005	0.0213	
20	Maximum Voltage	0.0053	0.0160	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0133	0.0011	

Note:

- 1. Normal Voltage = 3.85V. ; Battery End Point (BEP) =3.7V. ; Maximum Voltage =4.4 V
- **2.** The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

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Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2Kbps)	Limit
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	2.5ppm Result
50	Normal Voltage	0.0060	
40	Normal Voltage	0.0395	
30	Normal Voltage	0.0442	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0072	
0	Normal Voltage	0.0323	
-10	Normal Voltage	0.0048	PASS
-20	Normal Voltage	0.0167	
-30	Normal Voltage	0.0311	
20	Maximum Voltage	0.0442	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

Note: Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.7V. ; Maximum Voltage =4.4V

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Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0186	
40	Normal Voltage	0.0128	
30	Normal Voltage	0.0165	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0117	
0	Normal Voltage	0.0154	
-10	Normal Voltage	0.0239	PASS
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0117	
20	Maximum Voltage	0.0165	
20	Normal Voltage	0.0050	
20	Battery End Point	0.0032	

Note:

- 1. Normal Voltage = 3.85V. ; Battery End Point (BEP) =3.7V. ; Maximum Voltage =4.4V
- **2.** The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

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Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0069	
40	Normal Voltage	0.0156	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0058	
-10	Normal Voltage	0.0150	PASS
-20	Normal Voltage	0.0167	
-30	Normal Voltage	0.0092	
20	Maximum Voltage	0.0092	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0167	

Note:

- 1. Normal Voltage = 3.85V. ; Battery End Point (BEP) =3.7V. ; Maximum Voltage =4.4V
- **2.** The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

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Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Note: Antenna 1 is Bottom Antenna, Antenna 2 is Top Antenna.

	GSM850 (GSM) for Antenna 1										
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)			
	1672	-67.38	-13	-54.38	-68.59	2.32	5.68	Н			
	2510	-53.26	-13	-40.26	-53.89	3.02	5.80	Н			
Middle	3348	-64.68	-13	-51.68	-67.14	3.27	7.88	Н			
Middle	1672	-60.23	-13	-47.23	-61.44	2.32	5.68	V			
	2508	-57.77	-13	-44.77	-58.40	3.02	5.80	V			
	3348	-64.89	-13	-51.89	-67.35	3.27	7.88	V			

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

			GSM850 (ED	GE class 8)	for Antenna	1		
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)
	1672	-69.13	-13	-56.13	-70.34	2.32	5.68	Н
	2508	-64.02	-13	-51.02	-64.65	3.02	5.80	Н
Middle	3348	-65.37	-13	-52.37	-67.83	3.27	7.88	Н
ivildale	1672	-69.31	-13	-56.31	-70.52	2.32	5.68	V
	2510	-65.02	-13	-52.02	-65.65	3.02	5.80	V
	3348	-65.32	-13	-52.32	-67.78	3.27	7.88	V

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

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	GSM1900 (GSM) for Antenna 2										
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)			
	3759	-55.64	-13	-42.64	-60.51	3.55	8.42	Н			
	5640	-48.57	-13	-35.57	-54.91	4.34	10.68	Н			
N 4: el el la	7524	-52.32	-13	-39.32	-59.12	5.14	11.94	Н			
Middle	3759	-59.65	-13	-46.65	-64.52	3.55	8.42	V			
	5640	-54.47	-13	-41.47	-60.81	4.34	10.68	V			
	7524	-51.66	-13	-38.66	-58.46	5.14	11.94	V			

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

	GSM1900 (EDGE class 8) for Antenna 2										
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)			
	3759	-57.84	-13	-44.84	-62.71	3.55	8.42	Н			
	5640	-55.01	-13	-42.01	-61.35	4.34	10.68	Н			
N 4: al all a	7524	-52.34	-13	-39.34	-59.14	5.14	11.94	Н			
Middle	3759	-60.27	-13	-47.27	-65.14	3.55	8.42	V			
	5640	-57.00	-13	-44.00	-63.34	4.34	10.68	V			
	7524	-51.96	-13	-38.96	-58.76	5.14	11.94	V			

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

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	WCDMA Band V(RMC 12.2Kbps) for Antenna 1										
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)			
	1672	-69.04	-13	-56.04	-70.25	2.32	5.68	Н			
	2510	-66.58	-13	-53.58	-67.21	3.02	5.80	Н			
M: delle	3348	-65.40	-13	-52.40	-67.86	3.27	7.88	Н			
Middle	1672	-68.97	-13	-55.97	-70.18	2.32	5.68	V			
	2510	-66.83	-13	-53.83	-67.46	3.02	5.80	V			
	3348	-65.41	-13	-52.41	-67.87	3.27	7.88	V			

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

	WCDMA Band II(RMC 12.2Kbps) for Antenna 2										
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)			
	3759	-60.81	-13	-47.81	-65.68	3.55	8.42	Н			
	5640	-56.76	-13	-43.76	-63.10	4.34	10.68	Н			
Mi alalla	7524	-52.31	-13	-39.31	-59.11	5.14	11.94	Н			
Middle	3759	-60.56	-13	-47.56	-65.43	3.55	8.42	V			
	5640	-56.83	-13	-43.83	-63.17	4.34	10.68	V			
	7524	-51.61	-13	-38.61	-58.41	5.14	11.94	V			

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

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	WCDMA Band IV(RMC 12.2Kbps) for Antenna 1										
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)			
	3465	-62.80	-13	-49.80	-73.54	2.604	13.34	Н			
	5199	-56.68	-13	-43.68	-67.19	3.011	13.52	Н			
N 4: al all a	6936	-54.10	-13	-41.10	-64.30	3.271	13.47	Н			
Middle	3465	-63.31	-13	-50.31	-74.05	2.604	13.34	V			
	5193	-56.81	-13	-43.81	-67.32	3.011	13.52	V			
	6936	-54.02	-13	-41.02	-64.22	3.271	13.47	V			

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

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