GSM1900 (GSM) GSM1900 (EDGE class 8) **Lowest Channel Lowest Channel** 242.757242757 kH CF 1.8502 GHz CF 1.8502 GHz 1001 pts Y-value 28.42 dBm 14.89 dBm 14.71 dBm Type | Ref | Trc | Type | Ref | Trc | 242.757242757 kHz 246.753246753 kHz Date: 6.JUL.2018 11:29:02 Date: 6.JUL.2018 13:45:31 **Middle Channel Middle Channel** 28.66 dBn 1001 pts
 X-value
 Y-value

 1.879995 GHz
 23.36 dBi

 1.87987612 GHz
 8.61 dBi

 1.88012388 GHz
 8.78 dBi

 X-value
 Y-value
 Function

 1.879994 GHz
 28.65 dBm
 L87887812 GHz
 14.25 dBm
 Occ BW

 1.88012188 GHz
 14.44 dBm
 Occ BW
 Occ BW
 Occ BW
 Occ BW
 Type | Ref | Trc | Type | Ref | Trc | Function **Function Result Function Result** 243.756243756 kHz 247.752247752 kHz Date: 6.JUL.2018 11:29:46 Date: 6.JUL.2018 13:46:01 **Highest Channel Highest Channel** 28.53 dBi 1.909789000 GH 243.756243756 kH 23.83 dBn 1.909789000 GH 245.754245754 kH Type | Ref | Trc |

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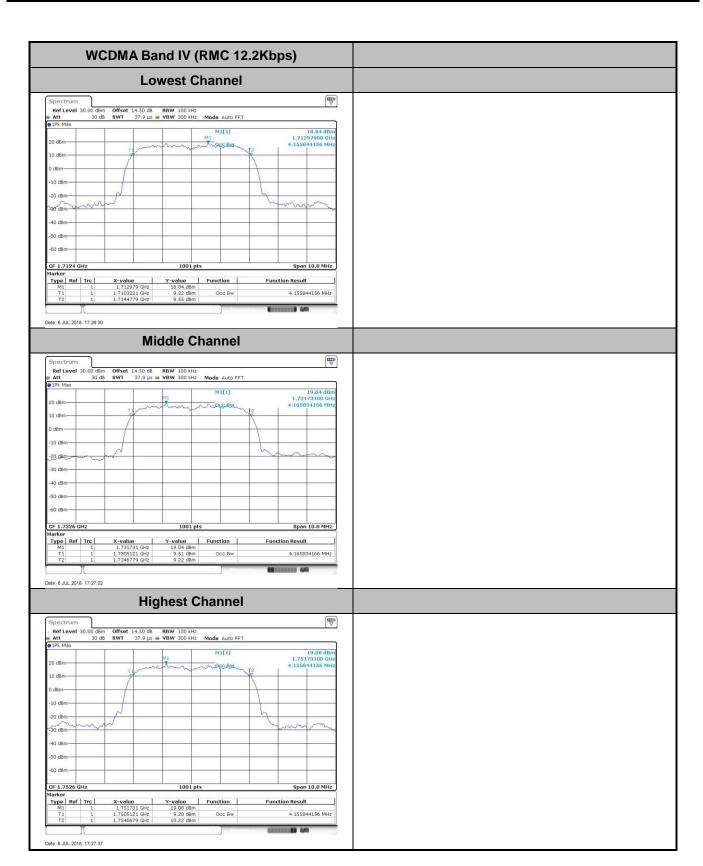
TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: YHLBLUVIVOXI Page Number : A17 of A30
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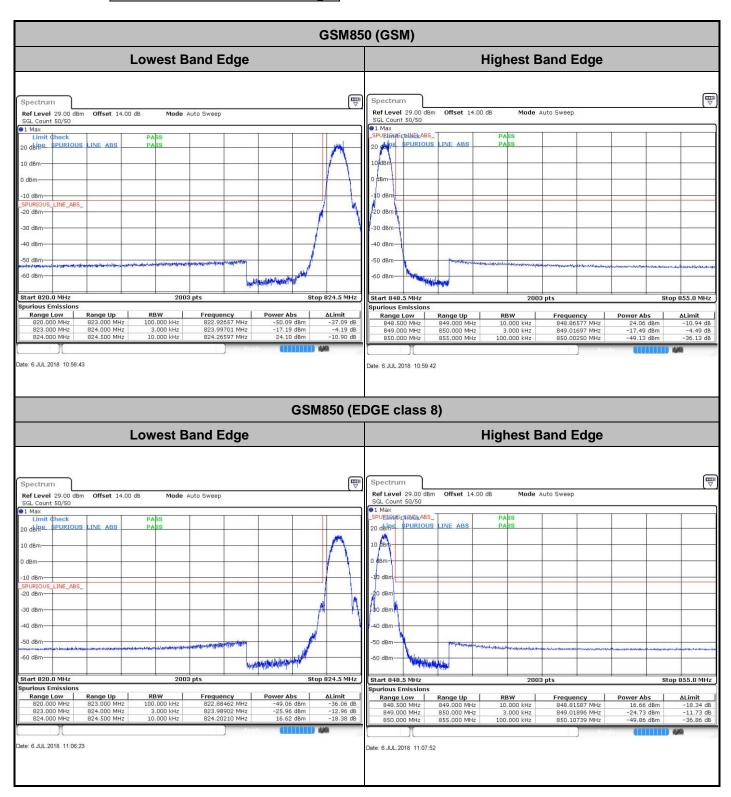
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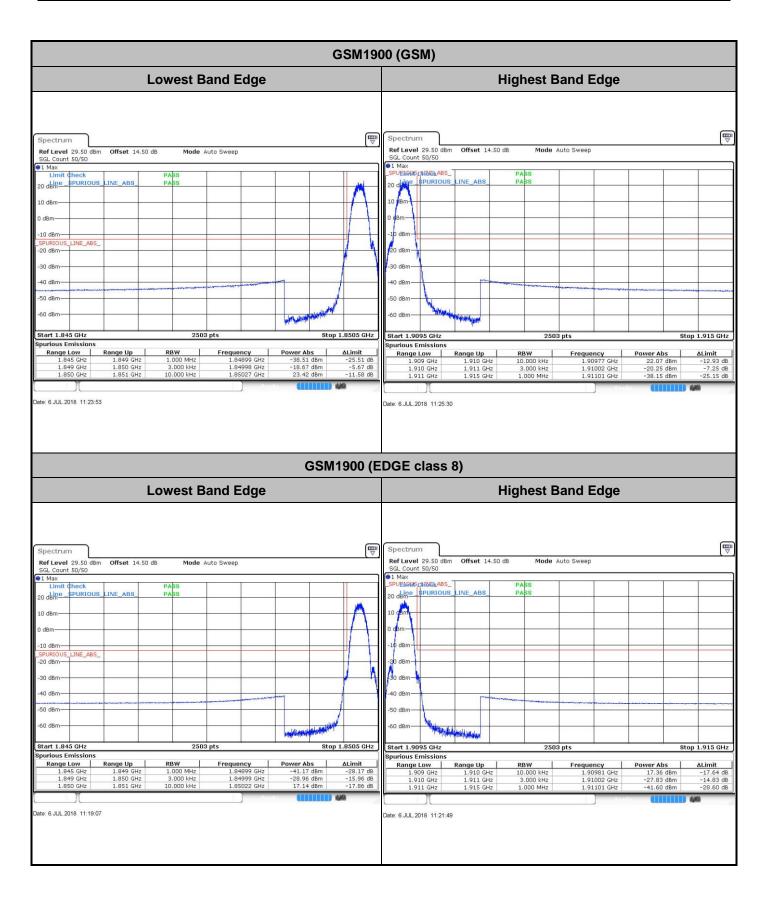
Conducted Band Edge



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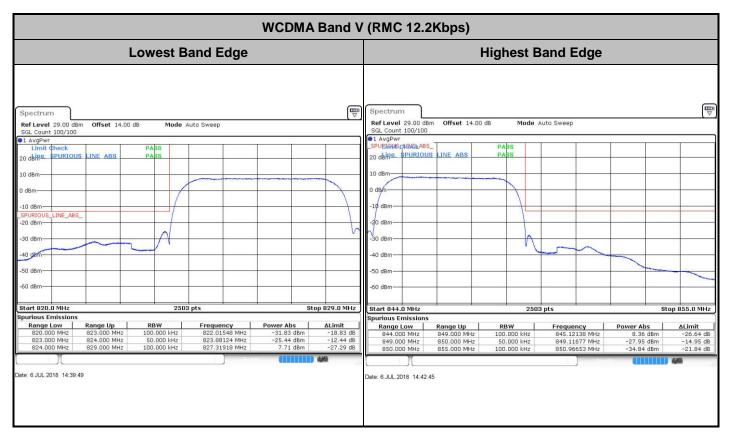
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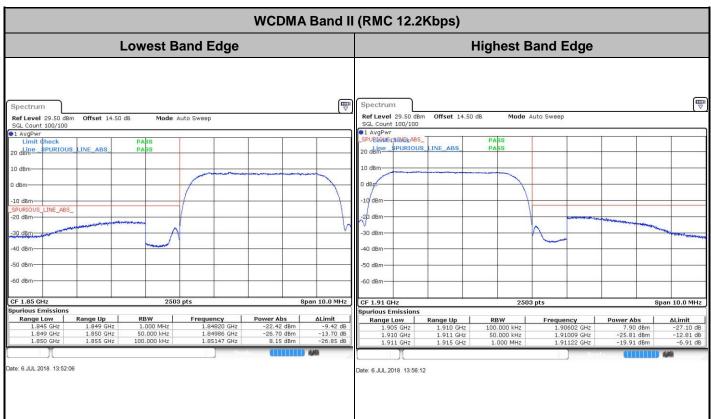
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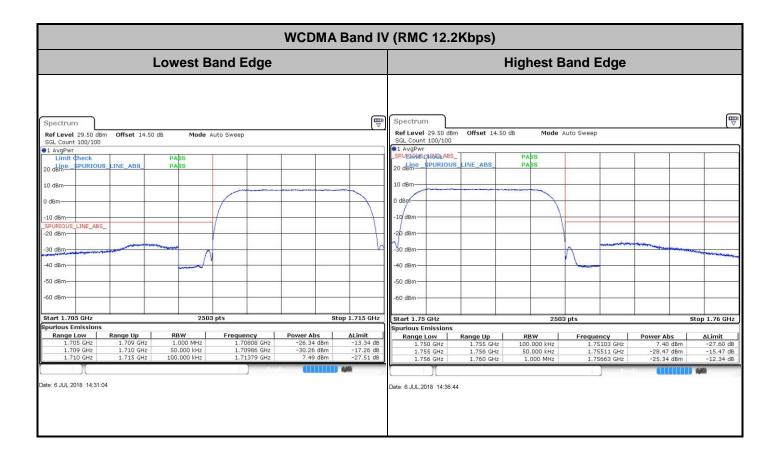
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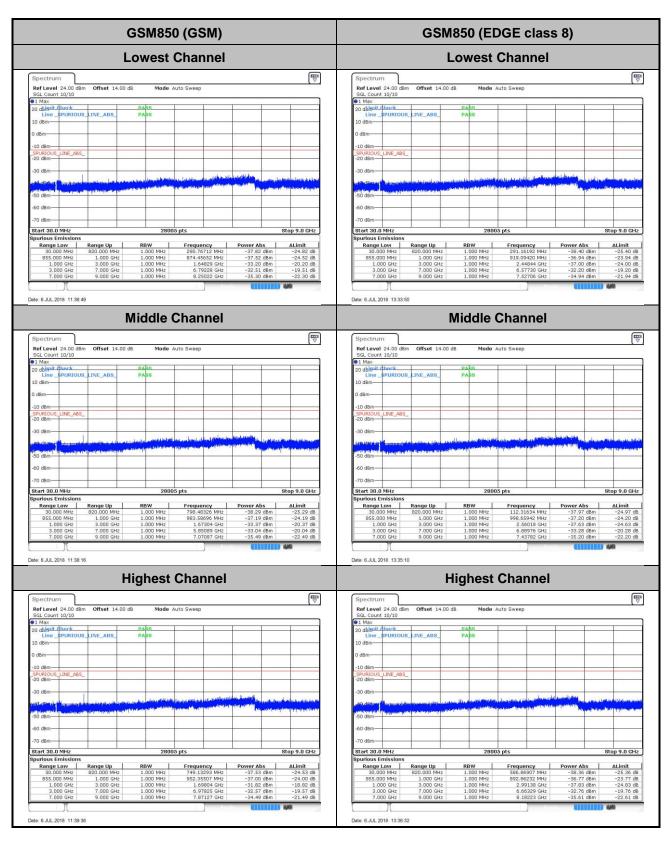
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Conducted Spurious Emission



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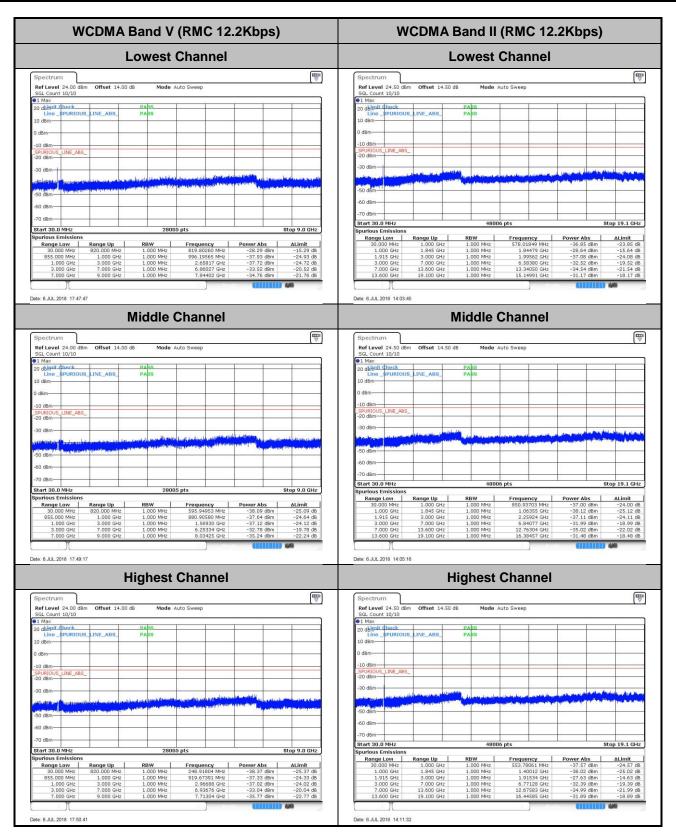
Report Template No.: BU5-FG22/24/27 Version 2.0

GSM1900 (GSM) GSM1900 (EDGE class 8) **Lowest Channel Lowest Channel** Ref Level 24.50 dBm Offset 14.50 dB Ref Level 24.50 dBm SGL Count 10/10 Offset 14.50 dB it check Start 30.0 MHz Spurious Emissions Range Low 30.000 MHz Start 30.0 MHz Stop 19.1 GHz Stop 19.1 GHz Date: 6.JUL.2018 11:31:40 Date: 6.JUL.2018 13:39:04 **Middle Channel Middle Channel** Start 30.0 MH Stop 19.1 GHz Start 30.0 MHz Spurious Emissions Date: 6.JUL.2018 11:32:59 Date: 6.JUL.2018 13:40:40 **Highest Channel Highest Channel** SGL Count 10/10 nit dheck IRIOUS LINE ABS dBm-LINE_ABS LINE_ABS Frequency 938.67816 MHz

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WCDMA Band IV (RMC 12.2Kbps) **Lowest Channel** Spectrum Ref Lavel 24,50 dBm Offset 14,50 dB Count 10/10 11 Max Start 30.0 MHz Stop 18.0 GHz Date: 6.JUL.2018 17:52:52 **Middle Channel** Spectrum *
Ref Level 24.50 dBm
Count 10/10

1 Max Start 30.0 MHz Stop 18.0 GHz Date: 6.JUL.2018 17:56:43 **Highest Channel**

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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	0.0018	0.0022				
40	Normal Voltage	0.0004	0.0002				
30	Normal Voltage	0.0005	0.0001				
20(Ref.)	Normal Voltage	0.0000	0.0000				
10	Normal Voltage	0.0010	0.0011				
0	Normal Voltage	0.0032	0.0032				
-10	Normal Voltage	0.0019	0.0007	PASS			
-20	Normal Voltage	0.0026	0.0017				
-30	Normal Voltage	0.0030	0.0001				
20	Maximum Voltage	0.0022	0.0005				
20	Normal Voltage	0.0000	0.0004				
20	Battery End Point	0.0030	0.0005				

Note: Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.4 V

Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation	Result	
50	Normal Voltage	0.0015	0.0004	
40	Normal Voltage	0.0002	0.0002	
30	Normal Voltage	0.0008	0.0012	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0002	0.0007	
0	Normal Voltage	0.0012	0.0009	
-10	Normal Voltage	0.0006	0.0003	PASS
-20	Normal Voltage	0.0001	0.0005	
-30	Normal Voltage	0.0002	0.0009	
20	Maximum Voltage	0.0001	0.0003	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0012	0.0004	

Note:

- 1. Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.5 V. ; 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	Channel WCDMA Band V (RMC 12.2Kbps)			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	2.5ppm Result		
50	Normal Voltage	0.0002			
40	Normal Voltage	0.0038			
30	Normal Voltage	0.0025			
20(Ref.)	Normal Voltage	0.0000			
10	Normal Voltage	0.0026			
0	Normal Voltage	0.0017			
-10	Normal Voltage	0.0017	PASS		
-20	Normal Voltage	0.0036			
-30	Normal Voltage	0.0016			
20	Maximum Voltage	0.0011			
20	Normal Voltage	0.0000			
20	Battery End Point	0.0024			

Note: Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.5 V.; Maximum Voltage =4.4 V

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0009	
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0001	PASS
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	

Note:

- 1. Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.5 V. ; 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 IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0008	
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0032	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0008	PASS
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0033	

Note:

- 1. Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.5 V. ; 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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Appendix B. Test Results of Conducted Test

Radiated Spurious Emission

	GSM850 (GSM)												
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)				
	1672.8	-70.21	-13	-57.21	-71.92	-74.58	2.88	9.40	Н				
	2509.2	-65.88	-13	-52.88	-71.94	-71.83	2.50	10.60	Н				
Middle	3345.6	-67.43	-13	-54.43	-75.43	-73.25	4.63	12.60	Н				
Middle	1672.8	-69.06	-13	-56.06	-70.90	-73.43	2.88	9.40	V				
	2509.2	-59.16	-13	-46.16	-65.11	-65.11	2.50	10.60	V				
	3345.6	-67.91	-13	-54.91	-75.94	-73.73	4.63	12.60	V				

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

				GSM850 (E	DGE class	8)			
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
	1672.8	-69.04	-13	-56.04	-70.75	-73.41	2.88	9.40	Н
	2509.2	-64.96	-13	-51.96	-71.02	-70.91	2.50	10.60	Н
Middle	3345.6	-68.57	-13	-55.57	-76.57	-74.39	4.63	12.60	Н
Middle	1672.8	-69.61	-13	-56.61	-71.45	-73.98	2.88	9.40	V
	2509.2	-61.69	-13	-48.69	-67.64	-67.64	2.50	10.60	V
	3345.6	-68.91	-13	-55.91	-76.94	-74.73	4.63	12.60	V

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

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	GSM1900 (GSM)												
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)				
	3760.00	-52.94	-13	-39.94	-66.56	-60.54	5.00	12.60	Н				
	5640.00	-54.51	-13	-41.51	-71.11	-60.31	7.30	13.10	Н				
Middle	7520.00	-58.88	-13	-45.88	-78.86	-62.45	7.73	11.30	Н				
Middle	3760.00	-49.78	-13	-36.78	-64.11	-57.38	5.00	12.60	V				
	5640.00	-54.40	-13	-41.40	-70.93	-60.20	7.30	13.10	V				
	7520.00	-59.32	-13	-46.32	-78.96	-62.89	7.73	11.30	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)				
	3760.00	-52.76	-13	-39.76	-66.38	-60.36	5.00	12.60	Н				
	5640.00	-55.29	-13	-42.29	-71.89	-61.09	7.30	13.10	Н				
Middle	7520.00	-58.97	-13	-45.97	-78.95	-62.54	7.73	11.30	Н				
Middle	3760.00	-51.76	-13	-38.76	-66.09	-59.36	5.00	12.60	V				
	5640.00	-52.94	-13	-39.94	-69.47	-58.74	7.30	13.10	V				
	7520.00	-59.30	-13	-46.30	-78.94	-62.87	7.73	11.30	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 Adapter												
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)				
	1672.8	-73.53	-13	-60.53	-75.24	-77.90	2.88	9.40	Н				
	2509.2	-71.00	-13	-58.00	-77.06	-76.95	2.50	10.60	Н				
Middle	3345.6	-69.42	-13	-56.42	-77.42	-75.24	4.63	12.60	Н				
Middle	1672.8	-70.52	-13	-57.52	-72.36	-74.89	2.88	9.40	V				
	2509.2	-70.84	-13	-57.84	-76.79	-76.79	2.50	10.60	V				
	3345.6	-69.42	-13	-56.42	-77.45	-75.24	4.63	12.60	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)				
	3760.00	-60.47	-13	-47.47	-74.09	-68.07	5.00	12.60	Н				
	5640.00	-62.06	-13	-49.06	-78.66	-67.86	7.30	13.10	Н				
Middle	7520.00	-58.75	-13	-45.75	-78.73	-62.32	7.73	11.30	Н				
ivildale	3760.00	-58.73	-13	-45.73	-73.06	-66.33	5.00	12.60	V				
	5640.00	-61.82	-13	-48.82	-78.35	-67.62	7.30	13.10	V				
	7520.00	-59.35	-13	-46.35	-78.99	-62.92	7.73	11.30	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)				
	3465.2	-63.00	-13	-50.00	-76.70	-70.97	4.63	12.60	Н				
	5197.8	-60.14	-13	-47.14	-78.07	-66.59	6.25	12.70	Н				
Middle	6930.4	-59.70	-13	-46.70	-79.32	-64.47	8.23	13.00	Н				
Middle	3465.2	-65.13	-13	-52.13	-76.54	-73.10	4.63	12.60	V				
	5197.8	-65.43	-13	-52.43	-79.04	-71.88	6.25	12.70	V				
	6930.4	-60.29	-13	-47.29	-79.41	-65.06	8.23	13.00	V				

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

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