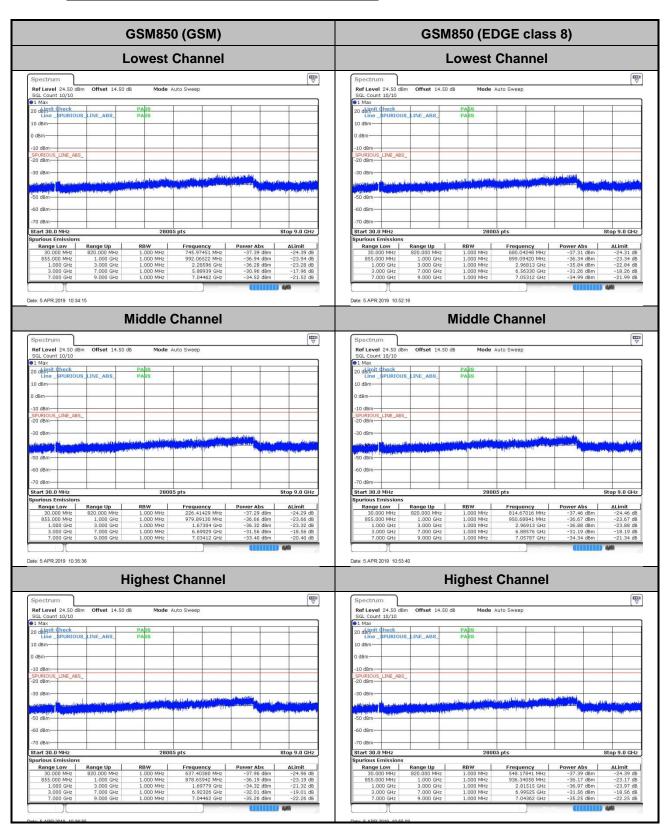


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Conducted Spurious Emission



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GSM1900 (GSM) GSM1900 (EDGE class 8) **Lowest Channel Lowest Channel ₩ _** Ref Level 25.20 dBm Offset 15.20 dB SGL Count 10/10 1 Max Ref Level 25.20 dBm Offset 15.20 dB 20 demit Check Line_SPURIOUS_LINE_ABS Start 30.0 MHz 48006 pts Stop 19.1 GHz Start 30.0 MHz 48006 pts Stop 19.1 GHz Range Low Range Low 30,000 MHz Date: 5.APR.2019 11:10:04 Date: 5.APR.2019 11:25:48 **Middle Channel Middle Channel** 20 dem check Start 30.0 MH Stop 19.1 GHz Start 30.0 MHz 1.000 GHz 1.845 GHz 3.000 GHz 7.000 GHz 13.600 GHz 19.100 GHz Date: 5.APR.2019 11:11:23 Date: 5.APR.2019 11:27:08 **Highest Channel Highest Channel □** Ref Level 25.2 SGL Count 10/10 20 dem spurious_LINE_ABS 20 dsm _spurious_Line_abs Range Low 30.000 MHz
 Frequency
 Power Abs

 924.62019 MHz
 -36.32 dBr
 Range Low 30.000 MHz Range Up Frequency 861.11694 MHz

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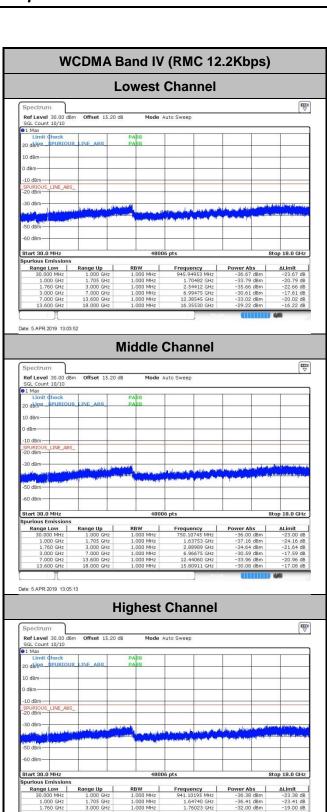
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WCDMA Band V (RMC 12.2Kbps) WCDMA Band II (RMC 12.2Kbps) **Lowest Channel Lowest Channel ₩ _** Ref Level 25.20 dBm Offset 15.20 dB SGL Count 10/10 1 Max dBm Offset 14.50 dB Ref Level 24.50 Start 30.0 MHz 48006 pts Stop 19.1 GHz Stop 9.0 GHz Start 30.0 MHz Range Low 30,000 MHz Range Low 30,000 MHz Range Up 820,000 MH; Date: 5.APR.2019 11:58:59 Date: 5.APR.2019 12:46:28 **Middle Channel Middle Channel** -30 dBm-Start 30.0 MHz 04.40030 MHz 1.67672 GHz 2.93308 GHz 6.66679 GHz 11.14615 GHz 16.60730 GHz Date: 5.APR.2019 12:00:21 Date: 5.APR.2019 12:47:48 **Highest Channel Highest Channel □** Ref Level 24.5 SGL Count 10/10 20 dem spurious_LINE_ABS Start 30.0 MH Stop 9.0 GHz Frequency 910.07746 MHz

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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 = 3.8V ; Battery End Point (BEP) = 3.3V ; Maximum Voltage = 4.3V

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Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit Note 2.		
Temperature (°C)	Voltage (Volt)	Deviation (ppm)				
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 = 3.8V ; Battery End Point (BEP) =3.3V ; Maximum Voltage =4.3V
- **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 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	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 = 3.8V ; Battery End Point (BEP) = 3.3V ; Maximum Voltage = 4.3V

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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	0.0000	
20	Battery End Point	0.0032	

Note:

- 1. Normal Voltage = 3.8V ; Battery End Point (BEP) = 3.3V ; Maximum Voltage = 4.3V
- 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 = 3.8V ; Battery End Point (BEP) =3.3V ; Maximum Voltage =4.3V
- 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

	GSM850 (GSM)										
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	-46.35	-13	-33.35	-49.59	1.11	6.50	Н			
	2510	-52.22	-13	-39.22	-54.84	1.43	6.20	Н			
Middle	3348	-46.02	-13	-33.02	-50.46	1.71	8.30	Н			
ivildale	1672	-48.16	-13	-35.16	-51.40	1.11	6.50	V			
	2510	-55.50	-13	-42.50	-58.12	1.43	6.20	V			
	3348	-50.06	-13	-37.06	-54.50	1.71	8.30	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)			
	1672	-50.01	-13	-37.01	-53.25	1.11	6.50	Н			
	2510	-59.65	-13	-46.65	-62.27	1.43	6.20	Н			
Middle	3348	-53.16	-13	-40.16	-57.60	1.71	8.30	Н			
Middle	1672	-53.92	-13	-40.92	-57.16	1.11	6.50	V			
	2510	-59.68	-13	-46.68	-62.30	1.43	6.20	V			
	3348	-56.94	-13	-43.94	-61.38	1.71	8.30	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)			
	3759	-55.04	-13	-42.04	-61.30	1.843	8.10	Н			
	5640	-51.89	-13	-38.89	-60.20	2.19	10.50	Н			
Middle	7518	-51.65	-13	-38.65	-60.57	2.58	11.50	Н			
Middle	3759	-53.98	-13	-40.98	-60.24	1.84	8.10	V			
	5640	-45.71	-13	-32.71	-54.02	2.19	10.50	V			
	7518	-51.80	-13	-38.80	-60.72	2.58	11.50	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)			
	3759	-55.95	-13	-42.95	-62.21	1.843	8.10	Н			
	5640	-53.45	-13	-40.45	-61.76	2.19	10.50	Н			
Middle	7524	-51.57	-13	-38.57	-60.49	2.58	11.50	Н			
ivildale	3759	-55.30	-13	-42.30	-61.56	1.84	8.10	V			
	5640	-52.37	-13	-39.37	-60.68	2.19	10.50	V			
	7524	-51.81	-13	-38.81	-60.73	2.58	11.50	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)										
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	-63.18	-13	-50.18	-66.42	1.11	6.50	Н			
	2510	-59.90	-13	-46.90	-62.52	1.43	6.20	Н			
Middle	3348	-59.23	-13	-46.23	-63.67	1.71	8.30	Н			
Middle	1672	-63.15	-13	-50.15	-66.39	1.11	6.50	V			
	2510	-59.77	-13	-46.77	-62.39	1.43	6.20	V			
	3348	-58.93	-13	-45.93	-63.37	1.71	8.30	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)				
	3759	-55.45	-13	-42.45	-61.71	1.843	8.10	Н				
	5640	-53.35	-13	-40.35	-61.66	2.19	10.50	Н				
Middle	7524	-51.86	-13	-38.86	-60.78	2.58	11.50	Н				
Middle	3759	-54.30	-13	-41.30	-60.56	1.84	8.10	V				
	5640	-50.74	-13	-37.74	-59.05	2.19	10.50	V				
	7524	-52.00	-13	-39.00	-60.92	2.58	11.50	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)				
	3465	-54.64	-13	-41.64	-61.33	1.75	8.44	Н				
	5199	-53.30	-13	-40.30	-61.72	1.94	10.36	Н				
Middle	6936	-51.52	-13	-38.52	-60.76	2.47	11.71	Н				
Middle	3465	-51.27	-13	-38.27	-57.96	1.75	8.44	V				
	5199	-51.62	-13	-38.62	-60.04	1.94	10.36	V				
	6936	-51.59	-13	-38.59	-60.83	2.47	11.71	V				

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

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