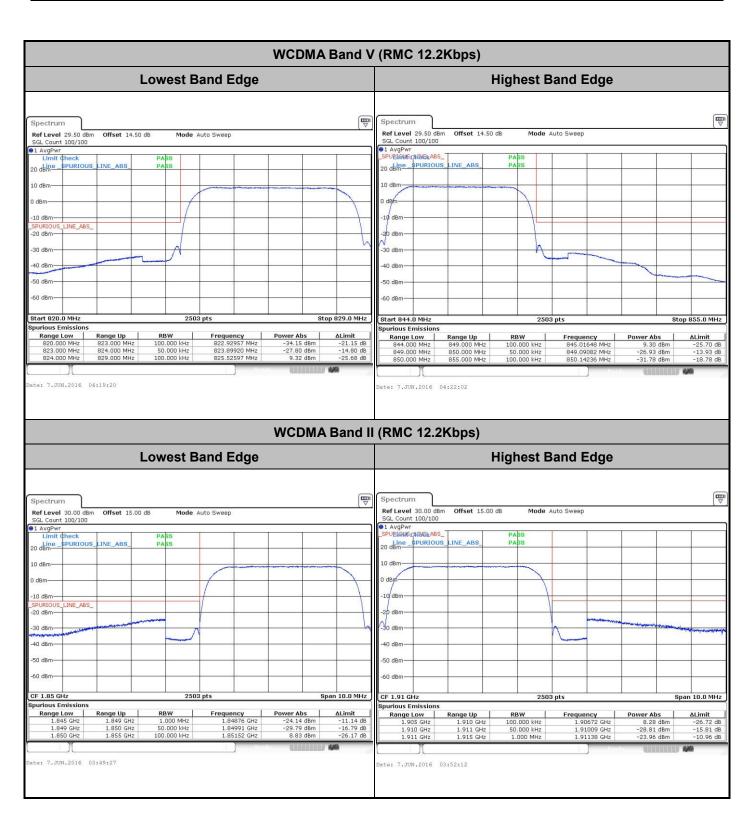


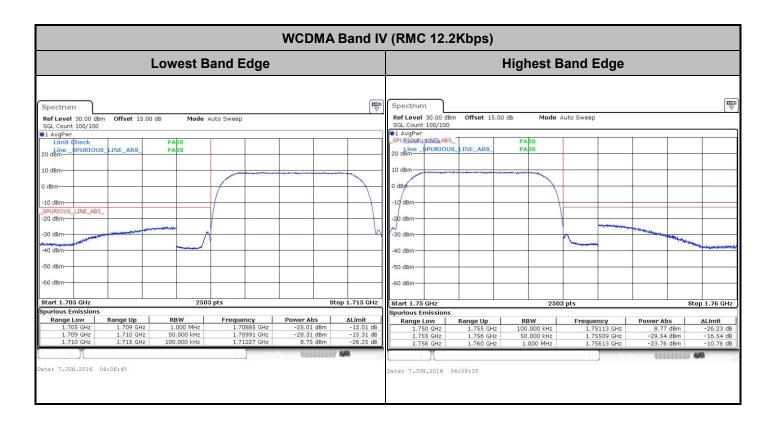
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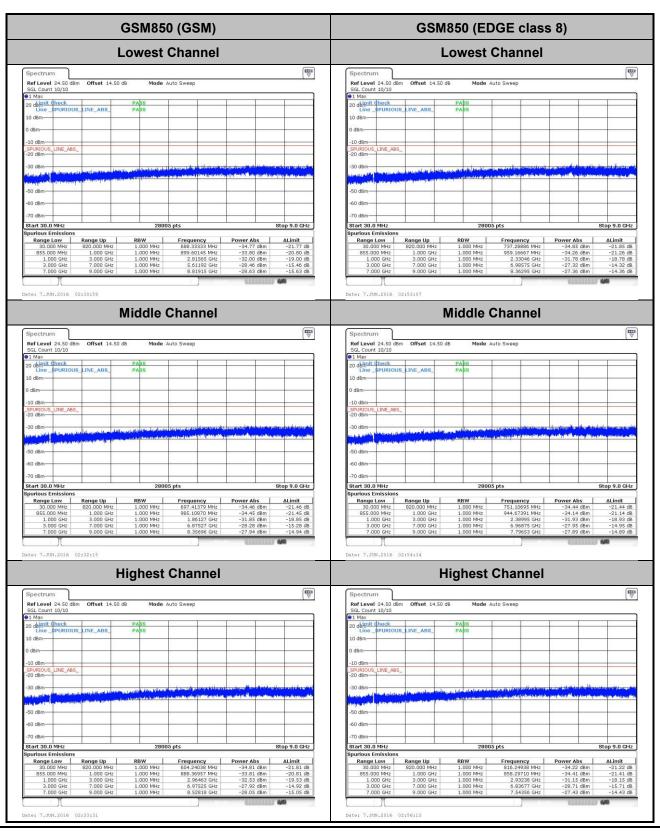
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Conducted Spurious Emission



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GSM1900 (GSM) GSM1900 (EDGE class 8) **Lowest Channel Lowest Channel □**□□ Ref Level 25.00 dBm Offset 15.00 dB Ref Level 25.00 dBm SGL Count 10/10 1 Max Offset 15.00 dB 20 demit check PURIOUS_LINE_ABS_ LINE ABS Start 30.0 MHz Spurious Emissio Range Low 30.000 MHz 48006 pts Start 30.0 MHz Stop 19.1 GHz Stop 19.1 GHz Date: 7.JUN.2016 03:22:59 Date: 7.JUN.2016 03:28:31 **Middle Channel Middle Channel □** 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: 7.JUN.2016 03:30:00 **Highest Channel Highest Channel** SGL Count 10/10 20 dsmit check Line spurious LINE_ABS 20 dbmit check Line_SPURIOUS_LINE_ABS LINE_ABS 50 dBm-

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WCDMA Band V (RMC 12.2Kbps) WCDMA Band II (RMC 12.2Kbps) **Lowest Channel Lowest Channel** Ref Level 25.00 dBm Offset 15.00 dB SGL Count 10/10 1 Max Ref Level 24.50 dBm Offset 14.50 dB 20 demit check LINE ABS Start 30.0 MHz Spurious Emissio Range Low 30.000 MHz 48006 pts Stop 19.1 GHz Stop 9.0 GHz Start 30.0 MHz Spurious Emissions Range Low 30,000 MHz Date: 7.JUN.2016 04:24:29 Date: 7.JUN.2016 03:55:03 **Middle Channel Middle Channel □** INE ABS Start 30.0 MHz Date: 7.JUN.2016 03:56:20 **Highest Channel Highest Channel** SGL Count 10/10 20 deimit Check
Line SPURIOUS LINE ABS LINE_ABS_ 50 dBm-Start 30.0 MH Stop 9.0 GHz

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WCDMA Band IV (RMC 12.2Kbps) **Lowest Channel** Ref Level 30.00 dBm Offset 15.00 dB SGL Count 10/10 Mode Auto Sweep Date: 7.JUN.2016 04:00:27 **Middle Channel 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)	Deviatio	on (ppm)	Result
50	Normal Voltage	0.0048	0.0108	
40	Normal Voltage	0.0012	0.0084	
30	Normal Voltage	0.0024	0.0036	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0395	0.0036	
0	Normal Voltage	0.0359	0.0371	
-10	Normal Voltage	0.0084	0.0048	PASS
-20	Normal Voltage	0.0060	0.0036	
-30	Normal Voltage	0.0012	0.0060	
20	Maximum Voltage	0.0048	0.0012	
20	Normal Voltage	0.0084	0.0048]
20	Battery End Point	0.0036	0.0000	

Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation	n (ppm)	Result
50	Normal Voltage	0.0021	0.0027	
40	Normal Voltage	0.0011	0.0154	
30	Normal Voltage	0.0170	0.0016	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0011	0.0011	
0	Normal Voltage	0.0032	0.0000	
-10	Normal Voltage	0.0154	0.0016	PASS
-20	Normal Voltage	0.0021	0.0011	
-30	Normal Voltage	0.0032	0.0032	
20	Maximum Voltage	0.0005	0.0000	
20	Normal Voltage	0.0016	0.0016	
20	Battery End Point	0.0032	0.0005	

Note:

- 1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V.; Maximum Voltage =4.2 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 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0084	
40	Normal Voltage	0.0036	
30	Normal Voltage	0.0275	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0239	
-10	Normal Voltage	0.0060	PASS
-20	Normal Voltage	0.0036	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0036	
20	Battery End Point	0.0012	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0043	
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0027	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0080	
0	Normal Voltage	0.0074	
-10	Normal Voltage	0.0016	PASS
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0085	
20	Normal Voltage	0.0074	
20	Battery End Point	0.0080	

Note:

- 1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V.; Maximum Voltage =4.2 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	0.0029	
40	Normal Voltage	0.0046	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0058	
-10	Normal Voltage	0.0023	PASS
-20	Normal Voltage	0.0040	
-30	Normal Voltage	0.0035	
20	Maximum Voltage	0.0040	
20	Normal Voltage	0.0012	
20	Battery End Point	0.0035	

Note:

- 1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V.; Maximum Voltage =4.2 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 Radiated Test

ERP/EIRP

Channel	Mode	Horiz	zontal	Vertical		
Channel	Wiode	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)	
Lowest	CCMOEO	21.20	0.1318	12.63	0.0183	
Middle	GSM850	21.42	0.1386	13.01	0.0200	
Highest	- GSM	21.74	0.1493	13.83	0.0242	
Lowest	0014050	16.18	0.0415	7.71	0.0059	
Middle	GSM850 EDGE class 8	16.55	0.0452	8.04	0.0064	
Highest	EDGE Class o	16.83	0.0482	8.59	0.0072	
Lowest	MCDMA Bond V	9.72	0.0094	1.55	0.0014	
Middle	WCDMA Band V RMC 12.2Kbps	10.24	0.0106	2.15	0.0016	
Highest		11.16	0.0130	3.43	0.0022	
Limit	ERP < 7W	Re	sult	PA	SS	

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Channel	Mada	Horiz	ontal	Vertical		
Channel	Mode	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)	
Lowest	CCM4000	28.35	0.6839	28.69	0.7396	
Middle	GSM1900	28.54	0.7149	28.96	0.7863	
Highest	GSM	27.95	0.6237	27.90	0.6166	
Lowest	00111000	24.70	0.2951	24.91	0.3097	
Middle	GSM1900 EDGE class 8	24.92	0.3105	24.94	0.3119	
Highest	EDGE Class o	24.13	0.2588	24.25	0.2661	
Lowest	MCDMA Bond II	21.68	0.1472	21.61	0.1449	
Middle	WCDMA Band II	21.73	0.1490	21.57	0.1437	
Highest	RMC 12.2Kbps	20.85	0.1216	20.83	0.1211	
Limit	EIRP < 2W	Re	sult	PASS		

Channel	Mode	Horiz	ontal	Vertical		
Channel	Wiode	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)	
Lowest	14/05144 5 1 11/	19.92	0.0982	20.02	0.1005	
Middle	WCDMA Band IV	20.43	0.1103	20.50	0.1122	
Highest	RMC 12.2Kbps	20.59 0.1		20.38	0.1091	
Limit	EIRP < 1W	Re	sult	PA	SS	

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				GSM8	50 (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	-43.47	-13	-30.47	-49.11	-50.16	0.56	9.40	Н
	2510	-53.93	-13	-40.93	-59.67	-61.64	0.74	10.60	Н
	3346	-57.56	-13	-44.56	-66.37	-67.16	0.85	12.60	Н
NA: dalla	4182	-49.76	-13	-36.76	-61.28	-59.32	0.89	12.60	Н
Middle	1672	-44.81	-13	-31.81	-49.58	-51.50	0.56	9.40	V
	2510	-51.82	-13	-38.82	-57.71	-59.53	0.74	10.60	V
	3346	-57.54	-13	-44.54	-65.68	-67.14	0.85	12.60	V
	4182	-52.82	-13	-39.82	-63.94	-62.38	0.89	12.60	V

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

				GSM850 (E	DGE class 8	3)			
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	-44.41	-13	-31.41	-49.92	-51.10	0.56	9.40	Н
	2510	-53.92	-13	-40.92	-59.66	-61.63	0.74	10.60	Н
	3346	-57.85	-13	-44.85	-66.66	-67.45	0.85	12.60	Н
N 4: -1 -11 -	4182	-51.35	-13	-38.35	-62.87	-60.91	0.89	12.60	Н
Middle	1672	-46.71	-13	-33.71	-51.01	-53.40	0.56	9.40	V
	2510	-61.54	-13	-48.54	-67.12	-69.25	0.74	10.60	V
	3346	-58.18	-13	-45.18	-66.32	-67.78	0.85	12.60	V
	4182	-55.67	-13	-42.67	-66.79	-65.23	0.89	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	-48.68	-13	-35.68	-62.23	-54.72	6.56	12.60	Н	
	5640	-37.83	-13	-24.83	-54.92	-42.93	8	13.10	Н	
N AC all all a	7520	-48.73	-13	-35.73	-67.47	-50.46	9.57	11.30	Н	
Middle	3760	-49.13	-13	-36.13	-62.48	-55.17	6.56	12.6	V	
	5640	-41.18	-13	-28.18	-58.53	-46.28	8	13.1	V	
	7520	-49.64	-13	-36.64	-68.04	-51.37	9.57	11.3	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	-48.90	-13	-35.90	-62.45	-54.94	6.56	12.60	Н	
	5640	-44.78	-13	-31.78	-60.72	-49.88	8	13.10	Н	
N 4: -1 -11 -	7520	-47.43	-13	-34.43	-66.17	-49.16	9.57	11.30	Н	
Middle	3760	-48.94	-13	-35.94	-62.29	-54.98	6.56	12.6	V	
	5640	-46.39	-13	-33.39	-63.74	-51.49	8	13.1	V	
	7520	-48.31	-13	-35.31	-66.71	-50.04	9.57	11.3	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672	-59.63	-13	-46.63	-62.46	-66.32	0.56	9.40	Н
	2510	-61.68	-13	-48.68	-67.42	-69.39	0.74	10.60	Н
	3346	-57.09	-13	-44.09	-65.90	-66.69	0.85	12.60	Н
	1672	-64.30	-13	-51.30	-65.96	-70.99	0.56	9.40	V
	2510	-61.61	-13	-48.61	-67.19	-69.32	0.74	10.60	V
	3346	-58.34	-13	-45.34	-66.48	-67.94	0.85	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)
Middle	3760	-46.28	-13	-33.28	-59.83	-52.32	6.56	12.60	Н
	5640	-44.72	-13	-31.72	-60.66	-49.82	8	13.10	Н
	7520	-48.77	-13	-35.77	-67.51	-50.50	9.57	11.30	Н
	3760	-50.33	-13	-37.33	-63.68	-56.37	6.56	12.6	V
	5640	-48.19	-13	-35.19	-65.54	-53.29	8	13.1	V
	7520	-49.25	-13	-36.25	-67.65	-50.98	9.57	11.3	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)									
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)
Middle	3465	-43.90	-13	-30.90	-58.65	-50.32	6.18	12.60	Н
	5197.5	-47.85	-13	-34.85	-65.85	-52.81	7.74	12.70	Н
	6930	-48.24	-13	-35.24	-67.05	-50.94	9	11.70	Н
	3465	-50.21	-13	-37.21	-61.16	-56.63	6.18	12.60	V
	5197.5	-54.73	-13	-41.73	-67.73	-59.69	7.74	12.70	V
	6930	-51.20	-13	-38.20	-67.91	-53.90	9	11.70	V

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

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