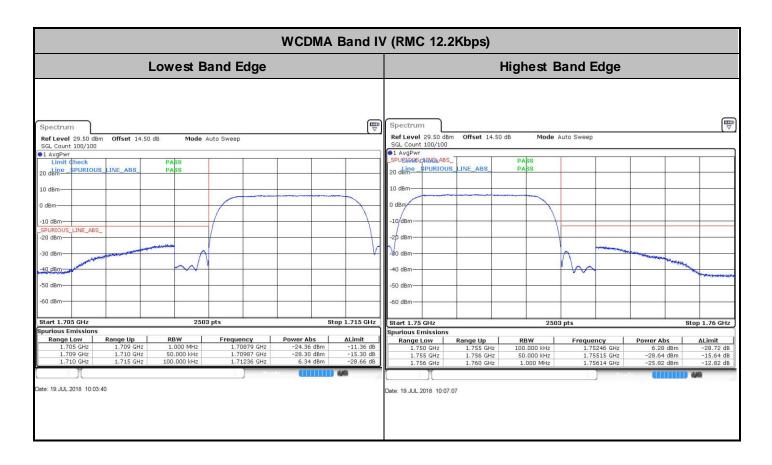


Sporton International (Shenzhen) Inc.

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AIZN-X623 Page Number : A22 of A30
Report Issued Date : Aug. 09, 2018
Report Version : Rev. 01

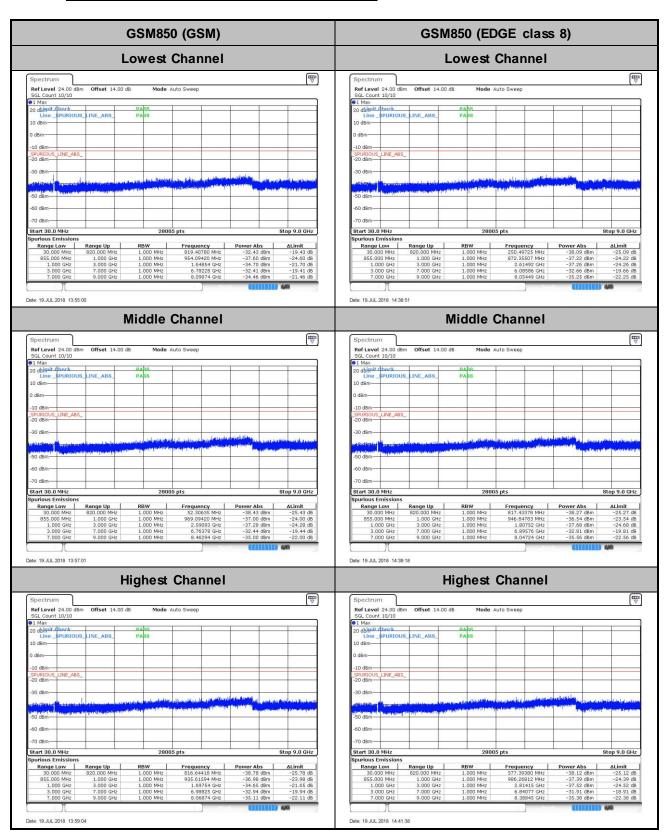
Report No.: FG870907A



TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AIZN-X623 Page Number : A23 of A30
Report Issued Date : Aug. 09, 2018
Report Version : Rev. 01

Report No.: FG870907A

Conducted Spurious Emission



Sporton International (Shenzhen) Inc.

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AIZN-X623 Page Number : A24 of A30
Report Issued Date : Aug. 09, 2018
Report Version : Rev. 01

Report No.: FG870907A

GSM1900 (GSM) GSM1900 (EDGE class 8) **Lowest Channel Lowest Channel** Ref Level 24.50 dBm Offset 14.50 dB SGL Count 10/10 D1 Max Ref Level 24.50 dBm Offset 14.50 dB Stop 19.1 GHz Date: 19 JUL 2018 15:24:44 Date: 19.JUL.2018 15:02:17 **Middle Channel Middle Channel** Stop 19.1 GHz Stop 19.1 GHz Start 30.0 MHz Start 30.0 MHz 1.000 GHz 1.845 GHz 3.000 GHz 7.000 GHz 13.600 GHz 19.100 GHz Date: 19.JUL.2018 15:26:12 Date: 19.JUL.2018 15:03:49 **Highest Channel Highest Channel** Max Asimit Check

Date: 19.JUL.2018 15:05:27

Sporton International (Shenzhen) Inc.

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AIZN-X623

Date: 19.JUL.2018 15:27:45

Page Number : A25 of A30
Report Issued Date : Aug. 09, 2018
Report Version : Rev. 01

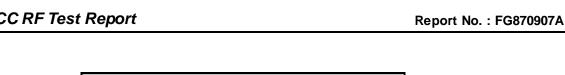
Report No.: FG870907A

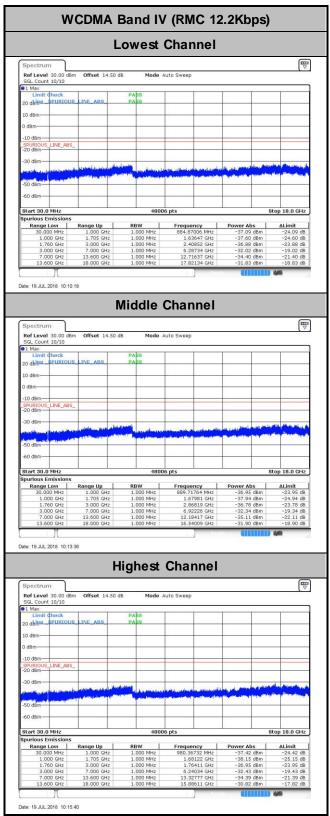
WCDMA Band V (RMC 12.2Kbps) WCDMA Band II (RMC 12.2Kbps) **Lowest Channel Lowest Channel** Ref Level 24.00 dBm Offset 14.00 dB Ref Level 24.50 dBm Offset 14.50 dB Stop 19.1 GHz Stop 9.0 GHz Date: 19 JUL 2018 11:27:11 Date: 19.JUL 2018 10:51:59 **Middle Channel Middle Channel** 48006 pts Stop 19.1 GHz Start 30.0 MHz Frequency 987.63868 MHz 1.000 GHz 1.845 GHz 3.000 GHz 7.000 GHz 13.600 GHz 19.100 GHz Date: 19.JUL 2018 10:54:23 Date: 19.JUL.2018 11:33:01 **Highest Channel Highest Channel** Date: 19.JUL.2018 11:49:37 Date: 19.JUL.2018 10:56:57

Sporton International (Shenzhen) Inc.

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AIZN-X623 Page Number : A26 of A30
Report Issued Date : Aug. 09, 2018
Report Version : Rev. 01

Report No.: FG870907A





Sporton International (Shenzhen) Inc.

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AIZN-X623

Page Number : A27 of A30 Report Issued Date : Aug. 09, 2018 Report Version : Rev. 01

Frequency Stability

Test Conditions	Middle Channel	GSM850 (GSM)	GSM850 (EDGE class 8)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation	•	Result
50	Normal Voltage	0.0030	0.0024	
40	Normal Voltage	0.0005	0.0014	
30	Normal Voltage	0.0007	0.0031	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0057	0.0010	
0	Normal Voltage	0.0036	0.0020	
-10	Normal Voltage	0.0112	0.0002	PASS
-20	Normal Voltage	0.0035	0.0012	
-30	Normal Voltage	0.0025	0.0072	
20	Maximum Voltage	0.0017	0.0024	
20	Normal Voltage	0.0000	0.0000]
20	Battery End Point	0.0039	0.0096	

Note: Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.35 V

Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit Note 2.			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)					
50	Normal Voltage	0.0002	0.0039				
40	Normal Voltage	0.0005	0.0036				
30	Normal Voltage	0.0010	0.0016				
20(Ref.)	Normal Voltage	0.0000	0.0000				
10	Normal Voltage	0.0027	0.0013				
0	Normal Voltage	0.0032	0.0021				
-10	Normal Voltage	0.0021	0.0024	PASS			
-20	Normal Voltage	0.0122	0.0029				
-30	Normal Voltage	0.0029	0.0016				
20	Maximum Voltage	0.0009	0.0012				
20	Normal Voltage	0.0000	0.0000				
20	Battery End Point	0.0024	0.0005]			

Note:

- 1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V.; Maximum Voltage = 4.35 V
- 2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Sporton International (Shenzhen) Inc.

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AIZN-X623 Page Number : A28 of A30
Report Issued Date : Aug. 09, 2018
Report Version : Rev. 01

Report No.: FG870907A

T	M: 1 II - OI 1	WCDMA Band V	Limit
Test Conditions	Middle Channel	(RMC 12.2Kbps)	2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0005	
40	Normal Voltage	0.0031	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0007	PASS
-20	Normal Voltage	0.0156	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0034	

Note: Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.35 V

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0051	
40	Normal Voltage	0.0099	
30	Normal Voltage	0.0057	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0040	
0	Normal Voltage	0.0058	
-10	Normal Voltage	0.0032	PASS
-20	Normal Voltage	0.0064	
-30	Normal Voltage	0.0081	
20	Maximum Voltage	0.0037	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0093	

Note:

- 1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V.; Maximum Voltage = 4.35 V
- 2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Sporton International (Shenzhen) Inc.

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AIZN-X623 Page Number : A29 of A30
Report Issued Date : Aug. 09, 2018
Report Version : Rev. 01

Report No.: FG870907A

To at Conditions	Middle Chemal	WCDMA Band IV	Limit
Test Conditions	Middle Channel	(RMC 12.2Kbps)	Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0044	
40	Normal Voltage	0.0040	
30	Normal Voltage	0.0192	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0031	
0	Normal Voltage	0.0033	
-10	Normal Voltage	0.0041	PASS
-20	Normal Voltage	0.0068	
-30	Normal Voltage	0.0066	
20	Maximum Voltage	0.0048	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

- 1. Normal Voltage = 3.8V.; Battery End Point (BEP) = 3.6 V.; Maximum Voltage =4.35V
- 2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Sporton International (Shenzhen) Inc.

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AIZN-X623 Page Number : A30 of A30
Report Issued Date : Aug. 09, 2018
Report Version : Rev. 01

Report No.: FG870907A

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	-65.17	-13	-52.17	-70.73	-69.56	2.86	9.40	Н				
	2509.2	-51.54	-13	-38.54	-62.05	-56.25	3.74	10.60	Н				
Middle	3345.6	-65.77	-13	-52.77	-80.53	-71.77	4.45	12.60	Н				
Middle	1672.8	-64.76	-13	-51.76	-69.47	-69.15	2.86	9.40	V				
	2509.2	-58.32	-13	-45.32	-68.15	-63.03	3.74	10.60	V				
	3345.6	-67.01	-13	-54.01	-80.58	-73.01	4.45	12.60	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)				
	1672.8	-66.00	-13	-53.00	-71.56	-70.39	2.86	9.40	Н				
	2509.2	-61.71	-13	-48.71	-72.13	-66.42	3.74	10.60	Н				
Middle	3345.6	-65.87	-13	-52.87	-80.63	-71.87	4.45	12.60	Н				
Middle	1672.8	-64.04	-13	-51.04	-68.75	-68.43	2.86	9.40	V				
	2509.2	-65.81	-13	-52.81	-75.64	-70.52	3.74	10.60	V				
	3345.6	-66.91	-13	-53.91	-80.48	-72.91	4.45	12.60	V				

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

Sporton International (Shenzhen) Inc.

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AIZN-X623 Page Number : B1 of B3
Report Issued Date : Aug. 09, 2018
Report Version : Rev. 01

Report No.: FG870907A

	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	-56.99	-13	-43.99	-70.61	-64.59	5.00	12.60	Н				
	5640.00	-57.87	-13	-44.87	-74.47	-63.67	7.30	13.10	Н				
Middle	7520.00	-59.09	-13	-46.09	-79.07	-62.66	7.73	11.30	Н				
Middle	3760.00	-49.77	-13	-36.77	-64.1	-57.37	5.00	12.60	V				
	5640.00	-57.59	-13	-44.59	-74.12	-63.39	7.30	13.10	V				
	7520.00	-59.39	-13	-46.39	-79.03	-62.96	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	-54.75	-13	-41.75	-68.37	-62.35	5.00	12.60	Н				
	5640.00	-60.40	-13	-47.40	-77.00	-66.20	7.30	13.10	Н				
Middle	7520.00	-59.16	-13	-46.16	-79.14	-62.73	7.73	11.30	Н				
Middle	3760.00	-49.96	-13	-36.96	-64.29	-57.56	5.00	12.60	V				
	5640.00	-57.48	-13	-44.48	-74.01	-63.28	7.30	13.10	V				
	7520.00	-59.47	-13	-46.47	-79.11	-63.04	7.73	11.30	V				

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

Sporton International (Shenzhen) Inc.

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AIZN-X623 Page Number : B2 of B3
Report Issued Date : Aug. 09, 2018
Report Version : Rev. 01

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

Report No.: FG870907A

	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)				
	1673.04	-71.49	-13	-58.49	-77.05	-75.88	2.86	9.40	Н				
	2509.56	-68.60	-13	-55.60	-79.02	-73.31	3.74	10.60	Н				
Middle	3346.08	-65.35	-13	-52.35	-80.11	-71.35	4.45	12.60	Н				
Middle	1673.04	-71.93	-13	-58.93	-76.64	-76.32	2.86	9.40	V				
	2509.56	-69.12	-13	-56.12	-78.95	-73.83	3.74	10.60	V				
	3346.08	-65.60	-13	-52.60	-79.17	-71.60	4.45	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	-54.60	-13	-41.60	-68.22	-62.20	5.00	12.60	Н				
	5640.00	-62.28	-13	-49.28	-78.88	-68.08	7.30	13.10	Н				
Middle	7520.00	-58.99	-13	-45.99	-78.97	-62.56	7.73	11.30	Н				
Middle	3760.00	-51.40	-13	-38.40	-65.73	-59.00	5.00	12.60	V				
	5640.00	-62.32	-13	-49.32	-78.85	-68.12	7.30	13.10	V				
	7520.00	-59.63	-13	-46.63	-79.27	-63.20	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	-59.91	-13	-46.91	-79.24	-68.14	4.37	12.60	Н				
	5197.8	-57.73	-13	-44.73	-81.89	-65.49	4.94	12.70	Н				
Middle	6930.4	-58.13	-13	-45.13	-82.04	-63.51	6.32	11.70	Н				
Middle	3465.2	-63.07	-13	-50.07	-79.15	-71.30	4.37	12.60	V				
	5197.8	-62.53	-13	-49.53	-82.04	-70.29	4.94	12.70	V				
	6930.4	-58.37	-13	-45.37	-82.28	-63.75	6.32	11.70	V				

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

Sporton International (Shenzhen) Inc.

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AIZN-X623 Page Number : B3 of B3
Report Issued Date : Aug. 09, 2018
Report Version : Rev. 01

Report No.: FG870907A