

Report No.: SZEM170700703401

1 of 30

No. 1 Workshop, M-10, Middle section, Science & Technology Park, Nanshan

District, Shenzhen, Guangdong, China 518057

Telephone: +86 (0) 755 2601 2053 Fax: +86 (0) 755 2671 0594

Email: ee.shenzhen@sgs.com Page:

FCC REPORT

Application No: SZEM1707007034RG

Applicant: AUDIOVISION ELECTRONICA AUDIOELEC S.A.

Manufacturer:Hisense Communications Co., Ltd.Factory:Hisense Communications Co., Ltd.

Product Name: Smartphone

Model No.(EUT): F23
Trade Mark: RIVIERA
FCC ID: YOQF23

Standards: 47 CFR Part 2(2015)

47 CFR Part 22 subpart H(2015) 47 CFR Part 24 subpart E(2015) 47 CFR Part 27 subpart C(2015)

Test Method: FCC KDB 971168 D01 Power Meas License Digital Systems v02r02

Date of Receipt: 2016-12-20

Date of Test: 2016-12-21 to 2017-01-13

Date of Issue: 2017-07-26

Test Result: PASS *

Authorized Signature:

Derde yang

Derek Yang

Wireless Laboratory Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-en-Ocument.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

^{*} In the configuration tested, the EUT detailed in this report complied with the standards specified above.



Report No.: SZEM170700703401

Page: 2 of 30

2 Version

Revision Record				
Version	Chapter	Date	Modifier	Remark
00		2017-07-26		Original

Authorized for issue by:		
Tested By	Mike Mu	
		2017-07-10
	(Mike Hu) /Project Engineer	Date
Checked By	Jim Hog	2017-07-26
	(Jim Huang) /Reviewer	Date



Report No.: SZEM170700703401

Page: 3 of 30

3 Test Summary

Test Item	FCC Rule No.	Requirements	Test Result	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §22.913, §24.232 §27.50	FCC: ERP ≤7 W. EIRP ≤ 2 W.	Section 1 of Appendix B	PASS
Peak-Average Ratio	§24.232 §27.50	≤13dB	Section 2 of Appendix B	PASS
Modulation Characteristics	§2.1047	Digital modulation	Section 3 of Appendix B	PASS
Bandwidth	§2.1049(h), §22.917, §24.238 §27.53	OBW:No limit EBW: No limit	Section 4 of Appendix B	PASS
Band Edge Compliance	§2.1051, §22.917, §24.238 §27.53	≤ -13dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	Section 5 of Appendix B	PASS
Spurious emissions at antenna terminals	§2.1051, §22.917, §24.238 §27.53	FCC: ≤ -13dBm/100 kHz, from 9 kHz to 10th harmonics but outside authorized operating frequency ranges.	Section 6 of Appendix B	PASS
Field strength of spurious radiation	§2.1051, §22.917, §24.238 §27.53	FCC: ≤ -13dBm/100 kHz,	Section 7 of Appendix B	PASS
Frequency stability	§2.1055, §22.355, §24.235 §27.54	≤ ±2.5ppm.	Section 8 of Appendix B	PASS

Remark:

Original report No. is SZEM16120108501:

According to the declaration from the applicant, only the applicant, mode No., trade mark and FCC ID has changed. no other electrical properties changed. The original data was kept in this report SZEM170700703401.



Report No.: SZEM170700703401

Page: 4 of 30

4 Content

			Page
1	CO	VER PAGE	1
2	VFF	RSION	2
_	V		£
3	TES	ST SUMMARY	3
4	CON	NTENT	4
5	GEN	NERAL INFORMATION	6
Ĭ			
	5.1 5.2	CLIENT INFORMATION	
	5.∠ 5.3	TEST MODE	
	5.3 5.4	TEST ENVIRONMENT	
	5.5	TEST FREQUENCY	
	5.6	TEST LOCATION	
	5.7	TEST FACILITY	
	5.8	DEVIATION FROM STANDARDS	
	5.9	ABNORMALITIES FROM STANDARD CONDITIONS	
	5.10	OTHER INFORMATION REQUESTED BY THE CUSTOMER	
	5.11	TECHNICAL SPECIFICATION	
6	DES	SCRIPTION OF TESTS	15
	6.1	CONDUCTED OUTPUT POWER	15
	6.2	EFFECTIVE (ISOTROPIC) RADIATED POWER OF TRANSMITTER	15
	6.3	OCCUPIED BANDWIDTH	16
	6.4	BAND EDGE AT ANTENNA TERMINALS	16
	6.5	Spurious And Harmonic Emissions at Antenna Terminal	17
	6.6	PEAK-AVERAGE RATIO	18
	6.7	FIELD STRENGTH OF SPURIOUS RADIATION	18
	6.8	FREQUENCY STABILITY / TEMPERATURE VARIATION	19
	6.9	TEST SETUPS	21
	6.9.	1 Test Setup 1	21
	6.9.	2 Test Setup 2	22
	6.9.	3 Test Setup 3	23
	6.9.	4 Test Setup 4	24
	6.10	TEST CONDITIONS	25



Report No.: SZEM170700703401

Page: 5 of 30

7	MAIN TEST INSTRUMENTS	27
8	MEASUREMENT UNCERTAINTY	29
9	PHOTOGRAPHS - EUT CONSTRUCTIONAL DETAILS	30



Report No.: SZEM170700703401

Page: 6 of 30

5 General Information

5.1 Client Information

Applicant:	AUDIOVISION ELECTRONICA AUDIOELEC S.A.
Address of Applicant:	Km 4 Via Duran Tambo Mz. B2, S. 4
Manufacturer:	Hisense Communications Co., Ltd.
Address of Manufacturer:	218 Qianwangang Road, Economic & Technological Development Zone, Qingdao, Shandong Province, P.R. China
Factory:	Hisense Communications Co., Ltd.
Address of Factory:	218 Qianwangang Road, Economic & Technological Development Zone, Qingdao, Shandong Province, P.R. China

5.2 General Description of EUT

Product Name:	Smartphone
Model No.:	F23
Trade Mark:	RIVIERA
Sample Type:	Portable production
Antenna Type:	PIFA Antenna
Antenna Gain:	GSM850: -1dBi, GSM1900:0dBi
	WCDMA B2: 0dBi, WCDMA B4:0dBi, WCDMA B5:-1dB
	,LTE B2: 0dBi, LTE B4: 0dBi, LTE B5:-1dBi.LTE B7: 0dBi

5.3 Test Mode

Test Mode	Test Modes Description
GSM/TM1	GSM system, GSM/GPRS/EGPRS, GMSK modulation
GSM/TM2	GSM system, EGPRS, 8PSK modulation
UMTS/TM1	UMTS system, WCDMA, QPSK modulation
LTE/TM1	LTE system, QPSK modulation
LTE/TM2	LTE system, 16QAM modulation

NOTE: The test mode(s) are selected according to relevant radio technology specifications.



Report No.: SZEM170700703401

Page: 7 of 30

5.4 Test Environment

Environment Parameter	Selected Values During Tests		
Relative Humidity	52%		
Atmospheric Pressure:	1	1015Pa	
Temperature	TN	25 ℃	
	VL	3.55V	
Voltage :	VN	3.85V	
	VH	4.4V	

NOTE: VL= lower extreme test voltage

VN= nominal voltage

VH= upper extreme test voltage

TN= normal temperature



Report No.: SZEM170700703401

Page: 8 of 30

5.5 Test Frequency

Toot Made	TX / RX	RF Channel		
Test Mode		Low (L)	Middle (M)	High (H)
	TX	Channel 128	Channel 190	Channel 251
0014050		824.2MHz	836.6 MHz	848.8 MHz
GSM850	DV	Channel 128	Channel 190	Channel 251
	RX	869.2 MHz	881.6 MHz	893.8 MHz
Took Mode	TV / DV	RF Channel		
Test Mode	TX / RX	Low (L)	Middle (M)	High (H)
	TX	Channel 512	Channel 661	Channel 810
CCM1000		1850.2MHz	1880.0 MHz	1909.8 MHz
GSM1900	RX	Channel 512	Channel 661	Channel 810
	n A	1930.2 MHz	1960.0 MHz	1989.8 MHz
Test Mode	TX / RX		RF Channel	
rest wode	IA/nA	Low (L)	Middle (M)	High (H)
	TX	Channel 4132	Channel 4182	Channel 4233
WCDMA850		826.4MHz	836.4 MHz	846.6 MHz
WCDIVIA650	RX	Channel 4357	Channel 4407	Channel 4458
	l uv	871.4 MHz	881.4 MHz	891.6 MHz
Test Mode	TX / RX	RF Channel		
rest wode		Low (L)	Middle (M)	High (H)
	TX RX	Channel 1312	Channel 1413	Channel 1513
WCDMA1700		1712.4MHz	1732.6 MHz	1752.6 MHz
W CDIVIA 1700		Channel 1537	Channel 1638	Channel 1738
		2112.4 MHz	2132.6 MHz	2152.6 MHz
Test Mode	TX / RX		RF Channel	
Test Mode	TX/TIX	Low (L)	Middle (M)	High (H)
	TX	Channel 9262	Channel 9400	Channel 9538
WCDMA1900	I A	1852.4 MHz	1880.0 MHz	1907.6 MHz
VVCDIVIAT900	RX	Channel 9662	Channel 9800	Channel 9938
	TIX	1932.4 MHz	1960.0 MHz	1987.6 MHz
Test Mode	TX / RX		RF Channel	
Test Mode	TX/TIX	Low (L)	Middle (M)	High (H)
	TX	Channel 18607	Channel 18900	Channel 19193
LTE BAND 2	17	1850.7 MHz	1880 MHz	1909.3 MHz
1.4MHz	RX	Channel 607	Channel 900	Channel 1193
		1930.7 MHz	1960 MHz	1989.3 MHz
Test Mode	TX / RY		RF Channel	
1 63t Mode	TX / RX	Low (L)	Middle (M)	High (H)
LTE BAND 2 3MHz	TY	Channel 18615	Channel 18900	Channel 19185
	TX	1851.5 MHz	1880 MHz	1908.5 MHz

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at https://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the ilimitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: SZEM170700703401

Page: 9 of 30

		01 1015	01 1000	01 14405
	RX	Channel 615	Channel 900	Channel 1185
		1931.5 MHz	1960 MHz	1988.5 MHz
Test Mode	TX / RX		RF Channel	Т
		Low (L)	Middle (M)	High (H)
	TX	Channel 18625	Channel 18900	Channel 19175
LTE BAND 2		1852.5 MHz	1880 MHz	1907.5 MHz
5MHz	RX	Channel 625	Channel 900	Channel1175
	100	1932.5 MHz	1960 MHz	1987.5 MHz
Test Mode	TX / RX		RF Channel	
T CSt Wode	TXTTIX	Low (L)	Middle (M)	High (H)
	TX	Channel 18650	Channel 18900	Channel 19150
LTE BAND 2	17	1855 MHz	1880 MHz	1905 MHz
10MHz	DV	Channel 650	Channel 900	Channel 1150
	RX	1935 MHz	1960 MHz	1985 MHz
Taribbarda	TV / DV		RF Channel	
Test Mode	TX / RX	Low (L)	Middle (M)	High (H)
	T) (Channel 18675	Channel 18900	Channel 19125
LTE BAND 2	TX	1857.5 MHz	1880 MHz	1902.5 MHz
15MHz		Channel 675	Channel 900	Channel 1125
	RX	1937.5 MHz	1960 MHz	1982.5 MHz
			RF Channel	
Test Mode	TX / RX	Low (L)	Middle (M)	High (H)
	TX	Channel 18700	Channel 18900	Channel 19100
LTE BAND 2		1860 MHz	1880 MHz	1900 MHz
20MHz	RX	Channel 700	Channel 900	Channel 1100
		1940 MHz	1960 MHz	1980 MHz
			RF Channel	
Test Mode	TX / RX	Low (L)	Middle (M)	High (H)
		Channel 19957	Channel 20175	Channel 20393
LTE BAND 4	TX	1710.7 MHz	1732.5 MHz	1754.3 MHz
1.4MHz		Channel 1957	Channel 2175	Channel 2393
	RX	2110.7 MHz	2132.5 MHz	2154.3 MHz
		2110.7 11112	RF Channel	2104.0 WH 12
Test Mode	TX / RX	Low (L)	Middle (M)	High (H)
		Channel 19965	Channel 20175	Channel 20385
LTE DAND 4	TX	1711.5 MHz	1732.5 MHz	1753.5 MHz
LTE BAND 4 3MHz		Channel 1965	Channel 2175	Channel 2385
	RX	2111.5 MHz	2132.5 MHz	2153.5 MHz
		ZTTT.STVITZ		∠ 133.3 IVI⊓Z
Test Mode	TX / RX	1 200 (1)	RF Channel	Lliah (LI)
		Low (L)	Middle (M)	High (H)
LTE BAND 4	TX	Channel 19975	Channel 20175	Channel 20375
5MHz		1712.5 MHz	1732.5 MHz	1752.5 MHz

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at https://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the ilimitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: SZEM170700703401

Page: 10 of 30

	DV	Channel 1975	Channel 2175	Channel 2375
	RX	2112.5 MHz	2132.5 MHz	2152.5 MHz
T	TV / DV		RF Channel	
Test Mode	TX / RX	Low (L)	Middle (M)	High (H)
	TV	Channel 20000	Channel 20175	Channel 20350
LTE BAND 4	TX	1715 MHz	1732.5 MHz	1750 MHz
10MHz	DV	Channel 2000	Channel 2175	Channel 2350
	RX	2115 MHz	2132.5 MHz	2150 MHz
Toot Mode	TV / DV		RF Channel	
Test Mode	TX / RX	Low (L)	Middle (M)	High (H)
	TV	Channel 20025	Channel 20175	Channel 20325
LTE BAND 4	TX	1717.5 MHz	1732.5 MHz	1747.5 MHz
15MHz	DV	Channel 2025	Channel 2175	Channel 2325
	RX	2117.5 MHz	2132.5 MHz	2147.5 MHz
Toot Mode	TV / DV		RF Channel	
Test Mode	TX / RX	Low (L)	Middle (M)	High (H)
	TV	Channel 20050	Channel 20175	Channel 20300
LTE BAND 4	TX	1720 MHz	1732.5 MHz	1745 MHz
20MHz	DV	Channel 2050	Channel 2175	Channel 2300
	RX	2120 MHz	2132.5 MHz	2145 MHz
Test Mode	TX / RX		RF Channel	
rest wode		Low (L)	Middle (M)	High (H)
	TX RX	Channel 20407	Channel 20525	Channel 20643
LTE BAND 5		824.7 MHz	836.5 MHz	848.3 MHz
1.4MHz		Channel 2407	Channel 2525	Channel 2643
		869.7 MHz	881.5 MHz	893.3 MHz
Test Mode	TX / RX		RF Channel	
Test Mode	TX/TIX	Low (L)	Middle (M)	High (H)
	TX	Channel 20415	Channel 20525	Channel 20635
LTE BAND 5	1X	825.5 MHz	836.5 MHz	847.5 MHz
3MHz	RX	Channel 2415	Channel 2525	Channel 2635
	TIX	870.5 MHz	881.5 MHz	892.5 MHz
Test Mode	TX / RX		RF Channel	
rest wode	TX/TIX	Low (L)	Middle (M)	High (H)
	TX	Channel 20425	Channel 20525	Channel 20625
LTE BAND 5	IX	826.5 MHz	836.5 MHz	846.5 MHz
5MHz	RX	Channel 2425	Channel 2525	Channel 2625
	11/	871.5 MHz	881.5 MHz	891.5 MHz
Test Mode	TX / RX		RF Channel	
i est iviode	IA / NA	Low (L)	Middle (M)	High (H)
LTE BAND 5		Channel 20450	Channel 20525	Channel 20600
10MHz	TX	829 MHz	836.5 MHz	844 MHz

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at https://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the ilimitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: SZEM170700703401

Page: 11 of 30

1 ago. 11 61 66					
DV	Channel 2450	Channel 2525	Channel 2600		
ΠΛ	874 MHz 881.5 MHz		889 MHz		
TV / DV	RF Channel				
IX/HX	Low (L)	Middle (M)	High (H)		
TV	Channel 20775	Channel 21100	Channel 21425		
IX	2502.5 MHz	2535 MHz	Hz 889 MHz mnel M) High (H) 1100 Channel 21425 Hz 2567.5 MHz 3100 Channel 5825 Hz 2687.5 MHz mnel M) High (H) 1100 Channel 21400 Hz 2565 MHz 3100 Channel 3400 Hz 2685 MHz mnel M) High (H) 1100 Channel 21375 Hz 2562.5 MHz 3100 Channel 3375 Hz 2682.5 MHz mnel M) High (H) 1100 Channel 3375 Hz 2682.5 MHz mnel M) High (H) 1100 Channel 3375 Hz 2682.5 MHz mnel M) High (H) 1100 Channel 21350 Hz 2560 MHz 3100 Channel 3350		
DV	Channel 2775	Channel 3100	Channel 5825		
HX	2622.5 MHz	2655 MHz	2687.5 MHz		
TV / DV		RF Channel			
IX/HX	Low (L)	Middle (M)	High (H)		
TX	Channel 20800	Channel 21100	Channel 21400		
	2505 MHz	2535 MHz	2565 MHz		
RX	Channel 2800	Channel 3100	Channel 3400		
	2625 MHz	2655 MHz	2685 MHz		
TV / DV	RF Channel				
IX/HX	Low (L)	Middle (M)	High (H)		
TV	Channel 20825	Channel 21100	Channel 21375		
IX	2507.5 MHz	2535 MHz	2562.5 MHz		
RX	Channel 2825	Channel 3100	Channel 3375		
	2627.5 MHz	2655 MHz	2682.5 MHz		
TV / DV	RF Channel				
TX / RX	Low (L)	Middle (M)	High (H)		
T) (Channel 20850	Channel 21100	Channel 21350		
IX	2510 MHz	2535 MHz	2560 MHz		
DV	Channel 2850	Channel 3100	Channel 3350		
ΠΛ	2630 MHz	2655 MHz	2680 MHz		
	RX TX / RX TX	RX 874 MHz TX / RX Low (L) Channel 20775 2502.5 MHz RX Channel 2775 2622.5 MHz 2622.5 MHz TX / RX Low (L) Channel 20800 2505 MHz Channel 2800 2625 MHz TX / RX Low (L) Channel 20825 2507.5 MHz Channel 2825 2627.5 MHz TX / RX Low (L) Channel 20850 2510 MHz Channel 2850 2510 MHz Channel 2850 2510 MHz	RX		



Report No.: SZEM170700703401

Page: 12 of 30

5.6 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

5.7 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

CNAS (No. CNAS L2929)

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

VCCI

The 10m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-823, R-4188, T-1153 and C-2383 respectively.

FCC – Registration No.: 556682

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 556682.

Industry Canada (IC)

Two 3m Semi-anechoic chambers and the 10m Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1, 4620C-2, 4620C-3.

5.8 Deviation from Standards

None.

5.9 Abnormalities from Standard Conditions

None.



Report No.: SZEM170700703401

Page: 13 of 30

5.10Other Information Requested by the Customer

None.

5.11 Technical Specification

Characteristics	Description				
	⊠ GSM				
Radio System Type	□ UMTS □				
	CCM050		ansmission (TX): 824 to 849 MHz		
	GSM850	Re	eceiving (RX): 869 to 894 MHz		
	Tra	ansmission (TX): 1850 to 1910 MHz			
	GSM1900	Re	eceiving (RX): 1930 to 1990 MHz		
	Tr	Tr	ansmission (TX): 1850 to 1910 MHz		
	UMTS band 2	Re	eceiving (RX): 1930 to 1990 MHz		
	UMTS band 4	Tr	ansmission (TX): 1710 to 1755 MHz		
	OWITS Dand 4	Re	eceiving (RX): 2110 to 2155 MHz		
Cumparted Emaguapay Dangs	UMTS band 5	Tr	ansmission (TX): 824 to 849 MHz		
Supported Frequency Range	OWITS ballu 5	Re	eceiving (RX): 869 to 894 MHz		
	LTE band 2	Tr	ansmission (TX): 1850 to 1910 MHz		
	LIE Dano 2	Re	eceiving (RX): 1930 to 1990 MHz		
	I TE bould 4	Tr	ansmission (TX): 1710 to 1755 MHz		
	LTE band 4		eceiving (RX): 2110 to 2155 MHz		
	Tr.	ansmission (TX): 824 to 849 MHz			
	LTE band 5		eceiving (RX): 869 to 894 MHz		
	LTE band 7	Tr	ansmission (TX): 2500 to 2570 MHz		
	Re Re		eceiving (RX): 2620 to 2690 MHz		
	GSM850:33 dBm				
	GSM1900: 31dBm				
	UMTS band 2: 24dBm				
	UMTS band 4: 23dBm				
Target TX Output Power	UMTS band 5: 24dBm				
	LTE band 2: 23.5dBm				
	LTE band 4: 22.5dBm				
	LTE band 5: 22.5dBm				
	LTE band 7: 22.5dBm				
	GSM system:		⊠0.2 MHz		
Supported Channel Bandwidth	UMTS system:		⊠5 MHz		
	LTE system		⊠1.4 MHz;3 MHz; 5 MHz;10 MHz;15 MHz;20 MHz		



Report No.: SZEM170700703401

Page: 14 of 30

Characteristics	Description		
	GSM850	244KGXW; 240KG7W	
	GSM1900	245KGXW; 243KG7W	
	UMTS band 2	4M21F9W;	
	UMTS band 4	4M21F9W;	
	UMTS band 5	4M26F9W;	
		1M10G7D;1M10W7D;	
		2M69G7D;2M69W7D;	
		4M50G7D;4M49W7D;	
	LTE band2	8M97G7D;8M95W7D;	
Designation of Emissions		13M5G7D;13M6W7D;	
(Note: the necessary bandwidth of		18M0G7D;18M0W7D;	
which is the worst value from the	LTE band4	1M10G7D;1M10W7D;	
measured occupied bandwidths for		2M69G7D;2M69W7D;	
each type of channel bandwidth configuration.)		4M50G7D;4M50W7D;	
oomganaari,		8M97G7D;8M95W7D;	
		13M5G7D;13M5W7D;	
		17M9G7D;18M0W7D;	
		1M10G7D;1M10W7D;	
		2M69G7D;2M69W7D;	
	LTE band5	4M50G7D;4M50W7D;	
		8M97G7D;8M97W7D;	
		4M50G7D;4M50W7D;	
		8M97G7D;8M97W7D;	
	LTE band7	13M5G7D;13M6W7D;	
		18M0G7D;18M0W7D;	



Report No.: SZEM170700703401

Page: 15 of 30

6 Description of Tests

6.1 Conducted Output Power

Measurement Procedure: FCC KDB 971168 D01 Power Meas License Digital Systems v02r02

The transmitter output was connected to a calibrated coaxial cable, attenuator and power meter, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The power output at the transmitter antenna port was determined by adding the value of the cable insertion loss to the power reading. The tests were performed at three frequencies (low channel, middle channel and high channel) and on the highest power levels, which can be setup on the transmitters.

Note: Reference test setup 1

6.2 Effective (Isotropic) Radiated Power of Transmitter

Measurement Procedure: FCC KDB 971168 D01 Power Meas License Digital Systems v02r02

Below 1GHz test procedure as below:

- 1). The EUT was powered ON and placed on a 0.8m high table in the chamber. The antenna of the transmitter was extended to its maximum length.
- 2). The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made.
- 3). Steps 1) and 2) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.
- 4). The transmitter was then removed and replaced with another antenna. The center of the antenna was approximately at the same location as the center of the transmitter.
- 5). A signal at the disturbance was fed to the substitution antenna by means of a non-radiating cable. With both the substitution and the receive antennas horizontally polarized, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver. The level of the signal generator was adjusted until the measured field strength level in step 2) is obtained for this set of conditions.
- 6). The output power into the substitution antenna was then measured.
- 7). Steps 5) and 6) were repeated with both antennas polarized.
- 8). Calculate power in dBm by the following formula:

ERP (dBm) = Pg(dBm) - cable loss (dB) + antenna gain (dBd)

Where:

Pg is the generator output power into the substitution antenna.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sqs.com/en/Terms-and-Conditions.aepx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at https://www.sqs.com/en/Terms-and-Conditions/Terms-e-Document.aepx. Attention is drawn to the ilimitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: SZEM170700703401

Page: 16 of 30

Above 1GHz test procedure as below:

1). Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber

2). Calculate power in dBm by the following formula:

EIRP(dBm) = Pg(dBm) - cable loss (dB) + antenna gain (dBi)

EIRP=ERP+2.15dB

Where:

Pg is the generator output power into the substitution antenna.

3). Test the EUT in the lowest channel, the middle channel the Highest channel

4). The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, Only the test worst case mode is recorded in the report.

5). Repeat above procedures until all frequencies measured was complete.

Note: Reference test setup 2

6.3 Occupied Bandwidth

Measurement Procedure: FCC KDB 971168 D01 Power Meas License Digital Systems v02r02

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured. The transmitter output was connected to a calibrated coaxial cable, attenuator and Spectrum analyser, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The tests were performed at three frequencies (low channel, middle channel and high channel). The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts. The resolution bandwidth shall be set to as close to 1 percent of the selected span as is possible without being below 1 percent. The video bandwidth shall be set to 3 times the resolution bandwidth. Video averaging is not permitted. Where practical, a sampling detector shall be used since a peak or, peak hold, may produce a wider bandwidth than actual. The trace data points are recovered and are directly summed in linear terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 percent of the total is reached and that frequency recorded. The process is repeated for the highest frequency data points. This frequency is recorded. The span between the two recorded frequencies is the occupied bandwidth.

Note: Reference test setup 1

6.4 Band Edge at Antenna Terminals

Measurement Procedure: FCC KDB 971168 D01 Power Meas License Digital Systems v02r02



Report No.: SZEM170700703401

Page: 17 of 30

The transmitter output was connected to a calibrated coaxial cable, attenuator and Spectrum analyser, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The tests were performed at three frequencies (low channel and high channel).in the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of 100kHz or 1% of the emission bandwidth of the fundamental emission of the transmitter may be employed. The EUT emission bandwidth is measured as the width of the signal between two points, outside of which all emission are attenuated at least 26dB below the transmitter power. The video bandwidth of the spectrum analyzer was set at thrice the resolution bandwidth. Detector Mode was set to peak or peak hold power.

Note: Reference test setup 1

6.5 Spurious And Harmonic Emissions at Antenna Terminal

Measurement Procedure: FCC KDB 971168 D01 Power Meas License Digital Systems v02r02

The transmitter output was connected to a calibrated coaxial cable, attenuator and Spectrum analyzer, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The tests were performed at three frequencies (low channel and high channel). The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. On any frequency outside a licensee's frequency block, the power of any emission shall be attenuated below the transmitter power (P) by at least 43 + 10 log(P) dB. Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.

Note: Reference test setup 1



Report No.: SZEM170700703401

Page: 18 of 30

6.6 Peak-Average Ratio

Measurement Procedure: FCC KDB 971168 D01 Power Meas License Digital Systems v02r02

A peak to average ratio measurement is performed at the conducted port of the EUT. For WCDMA signals, the spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level. For GSM signals, an average and a peak trace are used on a spectrum analyzer to determine the largest deviation between the average and the peak power of the EUT in a bandwidth greater than the emission bandwidth. The traces are generated with the spectrum analyzer set to zero span mode.

Note: Reference test setup 1

6.7 Field Strength of Spurious Radiation

Measurement Procedure: FCC KDB 971168 D01 Power Meas License Digital Systems v02r02

Below 1GHz test procedure as below:

- 1). The EUT was powered ON and placed on a 80cm high table in the chamber. The antenna of the transmitter was extended to its maximum length.
- 2). The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made.
- 3). Steps 1) and 2) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.
- 4). The transmitter was then removed and replaced with another antenna. The center of the antenna was approximately at the same location as the center of the transmitter.
- 5). A signal at the disturbance was fed to the substitution antenna by means of a non-radiating cable. With both the substitution and the receive antennas horizontally polarized, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver. The level of the signal generator was adjusted until the measured field strength level in step 2) is obtained for this set of conditions.
- 6). The output power into the substitution antenna was then measured.
- 7). Steps 5) and 6) were repeated with both antennas polarized.
- 8) Calculate power in dBm by the following formula:

ERP(dBm) = Pg(dBm) - cable loss (dB) + antenna gain (dBd)



Report No.: SZEM170700703401

Page: 19 of 30

Where:

Pd is the dipole equivalent power, Pg is the generator output into the substitution antenna, and the antenna gain is the gain of the substitute antenna used relative to either a half-wave dipole (dBd) or an isotropic source (dBi). The substitute level is equal to Pg [dBm] – cable loss [dB]. The calculated Pd levels are then compared to the absolute spurious emission limit of -13dBm which is equivalent to the required minimum attenuation of 43 + 10log10(Power [Watts]).

Above 1GHz test procedure as below:

- Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber
- 2) Calculate power in dBm by the following formula:

EIRP(dBm) = Pg(dBm) - cable loss (dB) + antenna gain (dBi)

EIRP=ERP+2.15dB

Where:

Pg is the generator output power into the substitution antenna.

- 3. Test the EUT in the lowest channel, the middle channel the Highest channel
- 4. The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, Only the test worst case mode is recorded in the report.
- 5. Repeat above procedures until all frequencies measured was complete

Note: Reference test setup 3

6.8 Frequency Stability / Temperature Variation

Measurement Procedure:

Frequency stability testing is performed in accordance with the guidelines of FCC KDB 971168 D01 Power Meas License Digital Systems v02r02

- . The frequency stability of the transmitter is measured by:
- a.) **Temperature:** The temperature is varied from -30 °C to +50 °C in 10 °C increments using an environmental chamber.
- b.) Primary Supply Voltage: The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

Specification – The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ (± 2.5 ppm) of the center frequency.

Time Period and Procedure:

- 1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
- 2. The equipment is turned on in a "standby" condition for fifteen minutes before applying power to the

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sqs.com/en/Terms-and-Conditions.aepx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at https://www.sqs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: SZEM170700703401

Page: 20 of 30

transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.

3. Frequency measurements are made at 10 °C intervals ranging from -30 °C to +50 °C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

Note: Reference test setup 4

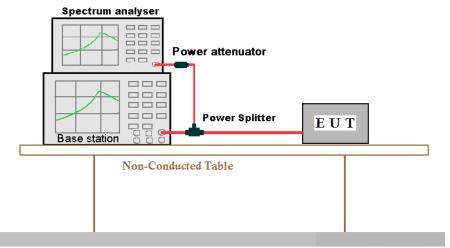


Report No.: SZEM170700703401

Page: 21 of 30

6.9 Test Setups

6.9.1 Test Setup 1



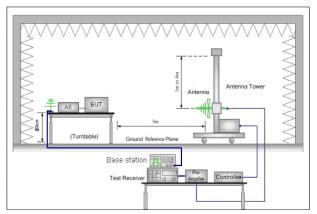
Ground Reference Plane



Report No.: SZEM170700703401

Page: 22 of 30

6.9.2 Test Setup 2



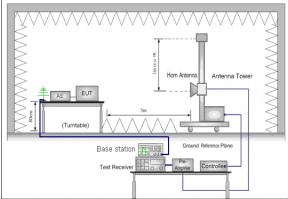


Figure 1. 30MHz to 1GHz

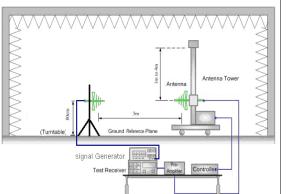


Figure 2. above 1GHz

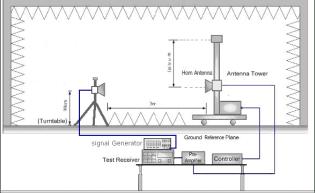


Figure 1. 30MHz to 1GHz

Figure 2. above 1GHz



Report No.: SZEM170700703401

Page: 23 of 30

6.9.3 Test Setup 3

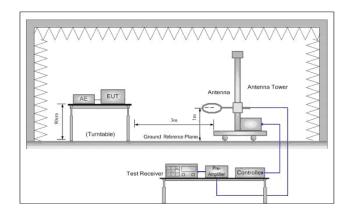
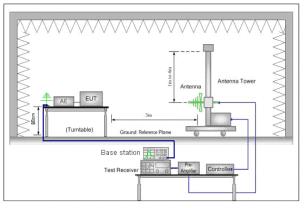


Figure 1. Below 30MHz



Horn Antenna Tower

Base station

Test Receiver

Amplie

Controller

Figure 2. 30MHz to 1GHz

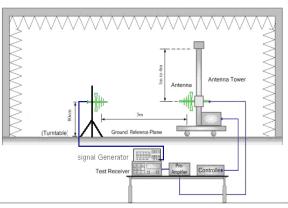


Figure 3. above 1GHz

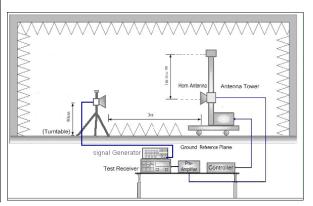


Figure 2. 30MHz to 1GHz

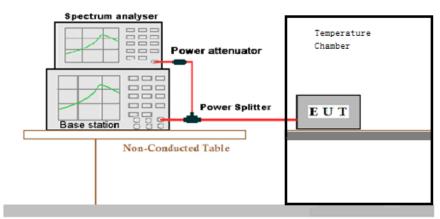
Figure 3. above 1GHz



Report No.: SZEM170700703401

Page: 24 of 30

6.9.4 Test Setup 4



Ground Reference Plane



Report No.: SZEM170700703401

Page: 25 of 30

6.10 Test Conditions

Test Case		Test Conditions			
Transmit Output	Average Power,	Test Environment	Ambient Climate & Rated Voltage		
Power	Total	Test Setup	Test Setup 1		
Data		RF Channels (TX)	L, M, H (L= low channel, M= middle channel, H= high channel)		
		Test Mode	GSM/TM1;GSM/TM2;UMTS/TM1; LTE/TM1;LTE/TM2		
	Average Power,	Test Environment	Ambient Climate & Rated Voltage		
	Spectral Density (if	Test Setup	Test Setup 1		
	required)	RF Channels (TX)	L, M, H (L= low channel, M= middle channel, H= high channel)		
		Test Mode	GSM/TM1;GSM/TM2;UMTS/TM1; LTE/TM1;LTE/TM2		
Peak-to-Ave	erage Ratio	Test Environment	Ambient Climate & Rated Voltage		
(Test Setup	Test Setup 1		
		RF Channels (TX)	L, M, H (L= low channel, M= middle channel, H= high channel)		
		Test Mode	GSM/TM1;GSM/TM2;UMTS/TM1; LTE/TM1;LTE/TM2		
Modulation Characterist	ics	Test Environment	Ambient Climate & Rated Voltage		
		Test Setup	Test Setup 1		
		RF Channels (TX)	M (M= middle channe)		
		Test Mode	GSM/TM1;GSM/TM2;UMTS/TM1; LTE/TM1;LTE/TM2		
Bandwidth	vidth Occupied Bandwidth	Test Environment	Ambient Climate & Rated Voltage		
		Test Setup	Test Setup 1		
		RF Channels (TX)	L, M, H (L= low channel, M= middle channel, H= high channel)		
		Test Mode	GSM/TM1;GSM/TM2;UMTS/TM1; LTE/TM1;LTE/TM2		
	Emission Bandwidth	Test Environment	Ambient Climate & Rated Voltage		
	(if	Test Setup	Test Setup 1		
	required)	RF Channels (TX)	L, M, H (L= low channel, M= middle channel, H= high channel)		
		Test Mode	GSM/TM1;GSM/TM2;UMTS/TM1; UMTS/TM2;LTE/TM1;LTE/TM2		



Report No.: SZEM170700703401

Page: 26 of 30

Band Edges	Test	Ambient Climate & Rated Voltage
Compliance	Environment	-
	Test Setup	Test Setup 1
	RF	L, H
	Channels (TX)	(L= low channel, H= high channel)
	Test Mode	GSM/TM1;GSM/TM2;UMTS/TM1; LTE/TM1;LTE/TM2
Spurious Emission at Antenna Terminals	Test Environment	Ambient Climate & Rated Voltage
	Test Setup	Test Setup 1
	RF	L,M, H
	Channels (TX)	(L= low channel, M= middle channel, H= high channel)
	Test Mode	GSM/TM1;UMTS/TM1;LTE/TM1
Field Strength of Spurious Radiation	Test Environment	Ambient Climate & Rated Voltage
	Test Setup	Test Setup 2
	Test Mode	GSM/TM1;GSM/TM2;UMTS/TM1;UMTS/TM2;LTE/TM1;LTE/TM2; NOTE: If applicable, the EUT conf. that has maximum power density (based on the equivalent power level) is selected.
	RF	L, M, H
	Channels (TX)	(L= low channel, M= middle channel, H= high channel)
Frequency Stability	Test Env.	(1) -30 °C to +50 °C with step 10 °C at Rated Voltage;
		(2) VL, VN and VH of Rated Voltage at Ambient Climate.
	Test Setup	Test Setup 4
	RF .	L, M, H
	Channels (TX)	(L= low channel, M= middle channel, H= high channel)
	Test Mode	GSM/TM1;GSM/TM2;UMTS/TM1; LTE/TM1;LTE/TM2



Report No.: SZEM170700703401

Page: 27 of 30

7 Main Test Instruments

	RE in Chamber					
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy-mm-dd)	Cal.Due date (yyyy-mm-dd)
1	3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2016-05-13	2017-05-13
2	EMI Test Receiver	Agilent Technologies	N9038A	SEM004-05	2016-09-16	2017-09-16
3	BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEM003-02	2014-11-15	2017-11-15
4	Double-ridged horn (1-18GHz)	ETS-LINDGREN	3117	SEM003-11	2015-10-17	2018-10-17
5	Horn Antenna (18- 26GHz)	ETS-LINDGREN	3160	SEM003-12	2014-11-24	2017-11-24
6	Pre-amplifier (0.1- 1300MHz)	Agilent Technologies	8447D	SEM005-01	2016-04-25	2017-04-25
7	Pre-Amplifier (0.1- 26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	SEM004-10	2016-10-17	2017-10-17
8	Band filter	Amindeon	82346	SEM023-01	N/A	N/A
9	Universal radio communication tester	Rohde & Schwarz	CMU200	SEM010-01	2016-10-23	2017-10-23
10	Universal radio communication tester	Rohde & Schwarz	CMW500	SEM010-03	2016-10-23	2017-10-23
11	DC Power Supply	Zhao Xin	RXN- 305D	SEM011-02	2016-10-09	2017-10-09
10	BiConiLog Antenna					
12	(30MHz-3GHz)	Schwarzbeck	VULB9163	SEM003-05	2015-10-17	2018-10-17
10	Horn Antenna					
13	(800MHz-18GHz)	Rohde & Schwarz	HF907	SEM003-06	2015-06-14	2018-06-14



Report No.: SZEM170700703401

Page: 28 of 30

	RF connected test					
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy-mm-dd)	Cal.Due date (yyyy-mm-dd)
1	Humi/ Temp Indicator	MingGao	TH101B	W006-09	2016-03-09	2017-03-09
2	Spectrum Analyzer	Rohde & Schwarz	FSP	SEL0154	2016-10-17	2017-10-17
3	MXA Signal Analyzer	Agilent	N9020A	W025-01	2016-07-18	2017-07-18
4	Barometer	ChangChun	DYM3	SEL0088	2016-05-24	2017-05-24
5	Dual Output Mobile Communication DC Source	Agilent Technologies Inc	66319D	W009-02	2016-07-23	2017-07-23
6	Digital Multimeter	Fluke	15B+	W055-01	2016-03-09	2017-03-09
7	Wireless Communications Test Set	Rohde & Schwarz	CMW500	W005-03	2016-03-08	2017-03-08
8	Universal Radio Communication Tester	R&S	CMU200	W005-01	2016-10-23	2017-10-23



Report No.: SZEM170700703401

Page: 29 of 30

8 Measurement Uncertainty

For a 95% confidence level (k = 2), the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 as following:

Test Item	Extended Uncertainty	Data
Transmit Output Power Data	Power [dBm]	U = 0.37 dB
Bandwidth	Magnitude [%]	U = 0.2%
Band Edge Compliance	Disturbance Power [dBm]	U = 2.0 dB
Spurious Emissions, Conducted	Disturbance Power [dBm]	U = 2.0 dB
Field Strength of Spurious	ERP [dBm]	For 3 m Chamber:
Radiation		U = 4.5 dB (30 MHz to 1GHz)
		U = 3.3 dB (above 1 GHz)
		For 10 m Chamber:
		U = 4.5 dB (30 MHz to 1GHz)
		U = 3.2 dB (above 1 GHz)
Frequency Stability	Frequency Accuracy [ppm]	U = 0.24 ppm



Report No.: SZEM170700703401

Page: 30 of 30

9 Photographs - EUT Constructional Details

Refer to Appendix A - Photographs of EUT Constructional Details for SZEM1707007034RG.

The End