

FCC Test Report

Report No.: AGC11034230302FE07

FCC ID : 2A4AS-2303A

APPLICATION PURPOSE : Original Equipment

PRODUCT DESIGNATION : IP Camera

BRAND NAME : Reolink

Reolink Go PT Ultra, Reolink Go PT EXT 4K,

MODEL NAME : G4K4GPTM32, Reolink Go PT Plus, Reolink Go PT EXT

5MP, G5M4GPTM32

APPLICANT: EZTECH DIGITAL INC.

DATE OF ISSUE : May 25, 2023

FCC Part 22 Rules

STANDARD(S) FCC Part 24 Rules : FCC Part 27 Rules

FCC Part 27 Rules FCC Part 90 Rules

REPORT VERSION: V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd.



Page 2 of 62

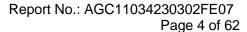
REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	May 25, 2023	Valid	Initial Release



TABLE OF CONTENTS

1. GENERAL INFORMATION	5
2. PRODUCT INFORMATION	6
2.1 PRODUCT TECHNICAL DESCRIPTION	6
2.2 RELATED SUBMITTAL(S) / GRANT (S)	8
2.3 TEST METHODOLOGY	8
2.4 DEVICE CAPABILITIES	8
2.5 SPECIAL ACCESSORIES	8
2.6 EQUIPMENT MODIFICATIONS	9
2.7 EMISSION DESIGNATOR	9
3. TEST ENVIRONMENT	10
3.1 ADDRESS OF THE TEST LABORATORY	10
3.2 TEST FACILITY	10
3.3 ENVIRONMENTAL CONDITIONS	11
3.4 MEASUREMENT UNCERTAINTY	11
3.5 LIST OF TEST EQUIPMENT	12
4. SYSTEM TEST CONFIGURATION	13
4.1 EUT CONFIGURATION	13
4.2 EUT EXERCISE	13
4.3 CONFIGURATION OF EUT SYSTEM	13
4.4 EQUIPMENT USED IN TESTED SYSTEM	
5. SUMMARY OF TEST RESULTS	14
5.1 TEST CONDITION : CONDUCTED TEST	14
5.2 TEST CONDITION : RADIATED TEST	14
6. DESCRIPTION OF TEST MODES	15
7. CONDUCTED OUTPUT POWER	21
7.1 PROVISIONS APPLICABLE	21
7.2 MEASUREMENT METHOD	21
7.3 MEASUREMENT SETUP	21
7.4 MEASUREMENT RESULT	21
8. RADIATED OUTPUT POWER	
8.1 PROVISIONS APPLICABLE	22
8.2 MEASUREMENT METHOD	22
8.3 MEASUREMENT SETUP	23





8.4 MEASUREMENT RESULT	25
9. PEAK-TO-AVERAGE RATIO	40
9.1 PROVISIONS APPLICABLE	40
9.2 MEASUREMENT METHOD	40
9.3 MEASUREMENT SETUP	41
9.4 MEASUREMENT RESULT	41
10. SPURIOUS AND HARMONIC EMISSIONS AT ANTENNA TERMINAL	42
10.1 PROVISIONS APPLICABLE	42
10.2 MEASUREMENT METHOD	42
10.3 MEASUREMENT SETUP	43
10.4 MEASUREMENT RESULT	43
11. RADIATED SPURIOUS EMISSION	44
11.1 PROVISIONS APPLICABLE	44
11.2 MEASUREMENT PROCEDURE	44
11.3 MEASUREMENT SETUP	46
11.4 MEASUREMENT RESULT	47
12. FREQUENCY STABILITY / VARIATION OF AMBIENT TEMPERATURE	57
12.1 PROVISIONS APPLICABLE	57
12.2 MEASUREMENT METHOD	57
12.3 MEASUREMENT SETUP	58
12.4 MEASUREMENT RESULT	58
13. OCCUPIED BANDWIDTH	59
13.1 PROVISIONS APPLICABLE	59
13.2 MEASUREMENT METHOD	59
13.3 MEASUREMENT SETUP	59
13.4 MEASUREMENT RESULT	59
14. BAND EDGE	60
14.1 PROVISIONS APPLICABLE	60
14.2 MEASUREMENT METHOD	60
14.3 MEASUREMENT METHOD	61
14.4 MEASUREMENT RESULT	61
APPENDIX E PHOTOGRAPHS OF TEST SETUP	62
APPENDIX F: PHOTOGRAPHS OF EUT	62



Page 5 of 62

1. GENERAL INFORMATION

Applicant	EZTECH DIGITAL INC.
Address	251 Little Falls Drive Wilmington Delaware 19808 United States
Manufacturer	Reolink Innovation Limited
Address	FLAT/RM 7057/F FA YUEN COMMERCIAL BUILDING 75-77 FA YUEN STREET MONG KOK KL HONG KONG
Factory	Shenzhen Reolink Technology Co., Ltd
Address	2-4th Floor, Building 2, Yuanling Industrial Park, ShangWu, Shiyan Street, Bao'an District, Shenzhen, China
Product Designation	IP Camera
Brand Name	Reolink
Test Model	Reolink Go PT Ultra
Series Model	Reolink Go PT EXT 4K, G4K4GPTM32, Reolink Go PT Plus, Reolink Go PT EXT 5MP, G5M4GPTM32
Difference Description	All the same except the model name.
Date of receipt of test item	May 05, 2023
Date of test	May 05, 2023~May 25, 2023
Deviation	No any deviation from the test method.
Condition of Test Sample	Normal

WE HEREBY CERTIFY THAT:

The above equipment was tested by Attestation of Global Compliance(Shenzhen) Co., Ltd. The data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI/TIA-603-E-2016. The sample tested as described in this report is in compliance with the FCC Rules Part 22, 24, 27and 90. The test results of this report relate only to the tested sample identified in this report.

Reviewed By

Bibo Zhang
(Project Engineer)

Calvin Liu
(Reviewer)

May 25, 2023

Approved By

Max Zhang
Authorized Officer

May 25, 2023



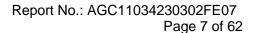
Page 6 of 62

2. PRODUCT INFORMATION

2.1 PRODUCT TECHNICAL DESCRIPTION

A major technical description of EUT is described as following:

Product Designation:	IP Camera				
Hardware Version:	N60C06_V100_4G				
Software Version:	V1				
Radio System Type:	LTE FUNCTION				
Frequency Bands:	 ☐FDD Band 2 ☐FDD Band 38 ☐FDD Band 71 ☐FDD Band 1 ☐FDD Band 20 (Non-U.S. Bands) 			☐FDD Band 7 ☐FDD Band 17 ☑FDD Band 66 ☐FDD Band 19 ☐TDD Band 39	
		1850.7 MHz – 190	9.3 MHz(1.4MHz	z)	
		1851.5 MHz – 190	8.5 MHz(3.0MHz	z)	
	LTE-Band 2	1852.5 MHz – 1907.5 MHz(5.0MHz)			
	LTL-Band 2	1855.0 MHz – 1905.0 MHz(10.0MHz)			
		1857.5 MHz – 190	2.5 MHz(15.0MF	Hz)	
		1860.0 MHz – 190	0.0 MHz(20.0MF	Hz)	
		1710.7 MHz – 175	4.3 MHz(1.4MHz	z)	
		1711.5 MHz – 175	3.5 MHz(3.0MHz	z)	
	LTE-Band 4	1712.5 MHz – 175	2.5 MHz(5.0MHz	z)	
Transmission Frequency	LIL-Dand 4	1715.0 MHz – 175	0.0 MHz(10.0MF	Hz)	
Range:		1717.5 MHz – 174	7.5 MHz(15.0MH	Hz)	
rango.		1720.0 MHz – 174	5.0 MHz(20.0MF	Hz)	
		824.7 MHz – 848.3	3 MHz(1.4MHz)		
	LTE-Band 5	825.5 MHz – 847.5MHz(3.0MHz)			
	LIL-Ballu 3	826.5 MHz – 846.5	5 MHz(5.0MHz)		
		829.0 MHz – 844.0 MHz(10.0MHz)			
		699.7 MHz – 715.3	3 MHz(1.4MHz)		
	LTE-Band 12	700.5 MHz – 714.5 MHz(3.0MHz)			
	LIL-Dallu 12	701.5 MHz – 713.5	5 MHz(5.0MHz)		
		704.0 MHz – 711.0) MHz(10.0MHz)		
	LTE-Band 13	779.5 MHz – 784.5	5 MHz(5.0MHz)		
			, ,		





	T	1		
		782.0 MHz – 782	.0 MHz(10.0MHz))
	LTE-Band 14	790.5 MHz – 795.5 MHz(5.0MHz)		
		793.0 MHz – 793.0 MHz(10.0MHz)		
		1710.7 MHz – 17	79.3 MHz(1.4MH	z)
		1711.5 MHz – 17	78.5 MHz(3.0MH	z)
	LTE Dand CC	1712.5 MHz – 17	77.5 MHz(5.0MH	z)
	LTE-Band 66	1715.0 MHz – 17	75.0 MHz(10.0MH	Hz)
		1717.5 MHz – 17	72.5 MHz(15.0MI	Hz)
		1720.0 MHz – 17	70.0 MHz(20.0MI	Hz)
		665.5 MHz – 695	.5 MHz(5.0MHz)	
	LTE-Band 71	668.0 MHz – 693	.0 MHz(10.0MHz))
	LIE-Ballu / I	670.5 MHz – 690	.5 MHz(15.0MHz))
		673.0 MHz – 688	.0 MHz(20.0MHz))
Antenna Type:	External Antenna			
Type of Modulation:	QPSK/16QAM			
Antonno goine	Band 2: 0.61dBi	Band 4: 0.42dBi	Band 5: 1.0dBi	Band 12: 0.78dBi
Antenna gain:	Band 13: 0.69dBi	Band 14: 0.7dBi	Band 66:0.5dBi	Band 71:0.45dBi
Diversity gain	Band 2: 0.51dBi	Band 4: 0.32dBi	Band 5: 0.6dBi	Band 12: 0.66dBi
Diversity gain	Band 13: 0.59dBi	Band 14: 0.6dBi	Band 66:0.42dBi	Band 71:0.35dBi
Power Supply:	DC 3.6 V by battery			
Single Card:	WCDMA/LTE Card	Slot		
Power Class:	3			
Extreme Vol. Limits:	DC3.06V to 4.14V (I	Normal: 3.6V)		
Extreme Temp. Tolerance	-30 °C to +50 °C			
Temperature range:	-20℃ to +50℃			
Noted The High Valters F	0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	lt DO 0 00\/		of a strong The FUT

Note1: The High Voltage DC 4.14V and Low Voltage DC 3.06V were declared by manufacturer, The EUT couldn't be operating normally with higher or lower voltage.



Page 8 of 62

2.2 RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for **FCC ID: 2A4AS-2303A**, filing to comply with the FCC Part 22, Part 24 and Pant 27 requirements.

2.3 TEST METHODOLOGY

The tests were performed according to following standards:

No.	Identity	Document Title
1	47 CFR FCC Part 2	Frequency allocations and radio treaty matters, general rules and regulations.
2	47 CFR FCC Part 22	Public Mobile Services.
3	47 CFR FCC Part 24	Personal Communications Services.
4	47 CFR FCC Part 27	Miscellaneous Wireless Communications Services.
5	47 CFR FCC Part 90	Private Land Mobile Radio Services.
6	ANSI C63.26-2015	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services
7	ANSI/TIA-603-E-2016	Land Mobile FM or PM Communications Equipment Measurement and Performance Standards
8	KDB 971168	D01 v03r01 Measurement Guidance For Certification Of Licensed Digital Transmitters.

2.4 DEVICE CAPABILITIES

This device contains the following capabilities:

850WCDMA/HSPA, Multi-Band LTE.

This device uses a tuner circuit that dynamically updates the antenna impedance parameters to optimize antenna performance for certain bands and modes of operation. The tuner for this device was set to simulate a "free space" condition where the transmit antenna is matched to the medium into which it is transmitting and, thus, the power is at its maximum level.

LTE Band 66 (1710-1780 MHz) overlaps the entire frequency range of LTE Band 4 (1710 - 1755 MHz).

Therefore, test data provided in this report covers Band 4 as well as Band 66.

The above inclusion relationship is only a statement of the frequency coverage between the LTE working bands, and the actual supported frequency bands are subject to the reported data.

For emissions from 1GHz – 18GHz, low, mid, and high channels were tested with highest power and worst case configuration.

The emissions below 1GHz and above 18GHz were tested with the highest transmitting power channel and the worst case configuration.

The EUT was manipulated through three orthogonal planes of X-orientation (flatbed), Y-orientation (landscape), and Z-orientation (portrait) during the testing. Only the worst case emissions were reported in this test report.

2.5 SPECIAL ACCESSORIES

The battery was supplied by the applicant were used as accessories and being tested with EUT intended for



Page 9 of 62

FCC grant together.

2.6 EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

2.7 EMISSION DESIGNATOR

GSM Emission Designator

Emission Designator = 249KGXW

GSM BW = 249 kHz

G = Phase Modulation

X = Cases not otherwise covered

W = Combination (Audio/Data)

WCDMA Emission Designator

Emission Designator = 4M17F9W

WCDMA BW = 4.17 MHz

F = Frequency Modulation

9 = Composite Digital Info

W = Combination (Audio/Data)

QAM Modulation

Emission Designator = 4M48W7D

LTE BW = 4.48 MHz

W = Amplitude/Angle Modulated

7 = Quantized/Digital Info

D = Data transmission; telemetry; telecommand

EDGE Emission Designator

Emission Designator = 249KG7W

GSM BW = 249 kHz

G = Phase Modulation

7 = Quantized/Digital Info

W = Combination (Audio/Data)

QPSK Modulation

Emission Designator = 4M48G7D

LTE BW = 4.48 MHz

G = Phase Modulation

7 = Quantized/Digital Info

D = Data transmission; telemetry; telecommand



Page 10 of 62

3. TEST ENVIRONMENT

3.1 ADDRESS OF THE TEST LABORATORY

Laboratory: Attestation of Global Compliance (Shenzhen) Co., Ltd

Address: 1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

3.2 TEST FACILITY

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

CNAS-Lab Code: L5488

Attestation of Global Compliance (Shenzhen) Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC17025: 2017 General Requirements) for the Competence of Testing and Calibration Laboratories

A2LA-Lab Cert. No.: 5054.02

Attestation of Global Compliance (Shenzhen) Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

FCC-Registration No.: 975832

Attestation of Global Compliance (Shenzhen) Co., Ltd. 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 with Registration 975832.

IC-Registration No.: 24842

Attestation of Global Compliance (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the Certification and Engineering Bureau of Industry Canada. The acceptance letter from the IC is maintained in our files with Registration 24842



Page 11 of 62

3.3 ENVIRONMENTAL CONDITIONS

	NORMAL CONDITIONS	EXTREME CONDITIONS
Temperature range	15~35℃	-30℃~50℃
Humidty range	20 % to 75 %.	20 % to 75 %.
Pressure range	86-106kPa	86-106kPa
Power supply	DC 3.6 V	DC3.06V or 4.14V

Note: The Extreme Temperature and Extreme Voltages declared by the manufacturer.

3.4 MEASUREMENT UNCERTAINTY

Test	Measurement Uncertainty	Notes
Transmitter power conducted	±0.57 dB	(1)
Transmitter power Radiated	±2.20 dB	(1)
Conducted spurious emission 9KHz-40 GHz	±2.20 dB	(1)
Occupied Bandwidth	±0.01ppm	(1)
Radiated Emission 30~1000MHz	±4.10dB	(1)
Radiated Emission Above 1GHz	±4.32dB	(1)
Conducted Disturbance0.15~30MHz	±3.20dB	(1)
Radio Frequency	± 6.5 x 10-8	(1)
RF Power, Conducted	± 0.9 dB	(1)

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



Page 12 of 62

3.5 LIST OF TEST EQUIPMENT

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESPI	101206	Aug. 04, 2022	Aug. 03, 2023
LISN	R&S	ESH2-Z5	100086	Jun. 08, 2022	Jun. 07, 2023
TEST RECEIVER	R&S	ESCI	10096	Feb. 18, 2023	Feb. 17, 2024
EXA Signal Analyzer	Aglient	N9010A	MY53470504	Aug. 04, 2022	Aug. 03, 2023
EXA Signal Analyzer	Aglient	N9020B	MY56101792	Aug. 14, 2021	Aug. 13 2023
Horn antenna	SCHWARZBECK	BBHA 9170	#768	Sep. 19, 2021	Sep. 18, 2023
preamplifier	ChengYi	EMC184045SE	980508	Oct. 29, 2021	Oct. 28, 2023
Double-Ridged Waveguide Horn	ETS LINDGREN	3117	00034609	Mar. 23, 2023	Mar. 22, 2024
Broadband Preamplifier	SCHWARZBECK	00073	BBHA 9120 J	N/A	N/A
ANTENNA	SCHWARZBECK	VULB9168	D69250	May 11, 2023	May 10, 2024
ANTENNA	SCHWARZBECK	VULB9168	494	Jan. 05, 2023	Jan. 04, 2025
SIGNAL ANALYZER	Agilent	N9020A	MY52090123	Aug. 04, 2022	Aug. 03, 2023
USB Wideband Power Sensor	Agilent	U2021XA	MY54110007	May 11, 2021	May 10, 2025
Wireless communicationtest	R&S	CMW500	120909	Aug. 03, 2022	Aug. 02, 2023
Power Splitter	Agilent	11636A	34	Jun.06, 2022	Jun.05, 2023
Attenuator	JFW	50FHC-006-50	N/A	Jun.06, 2022	Jun.05, 2023
Artificial Mains Network ENV216	R&S	101242	/	Jun. 07, 2022	Jun. 06, 2023
Filter Bank Notch 1(880-915MHz)	MICRO-TRONICS	010	/	Feb. 19, 2023	Feb. 18, 2024
Filter Bank Notch 2 (1710-1785MHz)	MICRO-TRONICS	009	/	Feb. 19, 2023	Feb. 18, 2024
Filter Bank Notch 3 (1920-1980MHz)	MICRO-TRONICS	008	/	Feb. 19, 2023	Feb. 18, 2024



Page 13 of 62

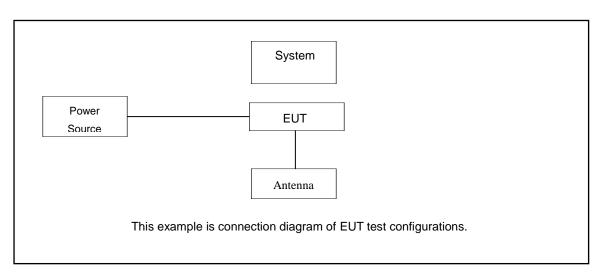
4. SYSTEM TEST CONFIGURATION

4.1 EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commission's requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

4.2 EUT EXERCISE

The Transmitter was operated in the maximum output power mode through Communication Tester. The TX frequency was fixed which was for the purpose of the measurements.



4.3 CONFIGURATION OF EUT SYSTEM

Table 2-1 Equipment Used in EUT System

4.4 EQUIPMENT USED IN TESTED SYSTEM

The Following Peripheral Devices And Interface Cables Were Connected During The Measurement:

- ☐ Test Accessories Come From The Laboratory

Item	Equipment	Model No.	Identifier	Note
1	IP Camera	Reolink Go PT Ultra	FCC ID: 2A4AS-2303A	EUT



Page 14 of 62

5. SUMMARY OF TEST RESULTS

5.1 TEST CONDITION: CONDUCTED TEST

Item	Test Description	FCC Rules	Result
1	Occupied Bandwidth	§2.1049	Pass
2	Band Edge / Spurious and Harmonic Emissions at Antenna Terminal	§2.1051, §24.238(a), §27.53(h) §27.53(g), §27.53(c), §90.543(e)	Pass
3	On all frequencies between 763-775 MHz and 793-805 MHz	§27.53(c)(4)	Pass*
4	On all frequencies between 769-775 MHz and 799-805 MHz	§90.543(e)(2)	Pass*
5	Conducted Output Power	§2.1046	Pass
6	Frequency stability / variation of ambient temperature	§2.1055, §24.235, §27.54 §90.539(e)	Pass
7	Peak- to- Average Ratio	§24.232(d), §27.50(d)(5)	Pass

Note:

5.2 TEST CONDITION: RADIATED TEST

Item	Test Description	FCC Rules	Result
1	Effective Radiated Power Equivalent Isotropic Radiated Power	§24.232(c), §27.50(d)(4) §27.50(c)(10), §27.50(b)(10) §90.542(a)(7)	Pass
2	Radiated Spurious and Harmonic Emissions	§2.1053, §24.238(a), §27.53(h) §27.53(g), §27.53(c), §90.543(e)	Pass
3	Undesirable Emissions in the 1559-1610 MHz band	§2.1053, §27.53(f), 90.543(f)	Pass

^{*}Since it was not possible to set the resolution bandwidth to 6.25 kHz with the available equipment, a bandwidth of 10kHz was used instead to show compliance.



Page 15 of 62

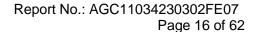
6. DESCRIPTION OF TEST MODES

During the testing, the EUT was controlled via Rhode & Schwarz Digital Radio Communication Tester (CMW 500) to ensure max power transmission and proper modulation. Three channels (The top channel, the middle channel and the bottom channel) were chosen for testing on both LTE frequency band.

The worst condition was recorded in the test report if no other modes test data.

LTE Band 2 Channel and Frequency List				
BW [MHz]	Channel/Frequency (MHz)	Highest		
20	Channel	18700	18900	19100
20	Frequency	1860	1880	1900
45	Channel	18675	18900	19125
15	Frequency	1857.5	1880	1902.5
40	Channel	18650	18900	19150
10	Frequency	1855	1880	1905
5	Channel	18625	18900	19175
	Frequency	1852.5	1880	1907.5
3	Channel	18615	18900	19185
3	Frequency	1851.5	1880	1908.5
1.4	Channel	18607	18900	19193
1.4	Frequency	1850.7	1880	1909.3

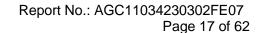
	LTE Band 4 Channel and Frequency List				
BW [MHz]	Channel/Frequency (MHz)	Lowest	Middle	Highest	
20	Channel	20050	20175	20300	
20	Frequency	1720	1732.5	1745	
15	Channel	20025	20175	20325	
15	Frequency	1717.5	1732.5	1747.5	
10	Channel	20000	20175	20350	
10	Frequency	1715	1732.5	1750	
5	Channel	19975	20175	20375	
5	Frequency	1712.5	1732.5	1752.5	
3	Channel	19965	20175	20385	
3	Frequency	1711.5	1732.5	1753.5	
1.4	Channel	19957	20175	20393	
1.4	Frequency	1710.7	1732.5	1754.3	





LTE Band 5 Channel and Frequency List				
BW [MHz]	Channel/Frequency (MHz) Lowest Middle Hi			
10	Channel	20450	20525	20600
10	Frequency	829	836.5	844
5	Channel	20425	20525	20625
	Frequency	826.5	836.5	846.5
2	Channel	20415	20525	20635
3	Frequency	825.5	836.5	847.5
1.4	Channel	20407	20525	20643
	Frequency	824.7	836.5	848.3

	LTE Band 12 Channel and Frequency List				
BW [MHz]	Channel/Frequency (MHz)	Highest			
10	Channel	23060	23095	23130	
10	Frequency	704	707.5	711	
5	Channel	23035	23095	23155	
	Frequency	701.5	707.5	713.5	
2	Channel	23025	23095	23165	
3	Frequency	700.5	707.5	714.5	
1.4	Channel	23017	23095	23173	
	Frequency	699.7	707.5	715.3	

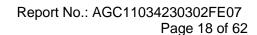




	LTE Band 13 Channel and Frequency List				
BW [MHz]	Channel/Frequency (MHz) Lowest Middle High				
10	Channel	-	23230	-	
	Frequency	-	782	-	
5	Channel	23205	23230	23255	
5	Frequency	779.5	782	784.5	

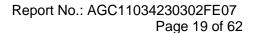
	LTE Band 14 Channel and Frequency List					
BW [MHz]	Channel/Frequency (MHz) Lowest Middle Highest					
10	Channel	-	23230	-		
	Frequency	-	793	-		
5	Channel	23305	23330	23355		
	Frequency	790.5	793	795.5		

	LTE Band 66 Channel and Frequency List				
BW [MHz]	Channel/Frequency (MHz)	Lowest	Middle	Highest	
20	Channel	132072	132322	132572	
20	Frequency	1720	1745	1770	
15	Channel	132047	132322	132597	
15	Frequency	1717.5	1745	1772.5	
10	Channel	132022	132322	132622	
10	Frequency	1715	1745	1775	
5	Channel	131997	132322	132647	
	Frequency	1712.5	1745	1777.5	
2	Channel	131987	132322	132657	
3	Frequency	1711.5	1745	1778.5	
4.4	Channel	131979	132322	132665	
1.4	Frequency	1710.7	1745	1779.3	





	LTE Band 71 Channel and Frequency List				
BW [MHz]	Channel/Frequency (MHz) Lowest Middle Highe				
20	Channel	133222	133322	133372	
20	Frequency	673	680.5	688	
15	Channel	133197	133322	133397	
	Frequency	670.5	680.5	690.5	
10	Channel	133172	133322	133422	
10	Frequency	668	680.5	693	
5	Channel	133147	133322	133447	
	Frequency	665.5	680.5	695.5	





Test Mode	Test Modes Description
LTE BAND 2	LTE system, QPSK modulation
LIE DAIND 2	LTE system, 16QAM modulation
LTE BAND 4	LTE system, QPSK modulation
LIE DAIND 4	LTE system, 16QAM modulation
LTE DAND 6	LTE system, QPSK modulation
LTE BAND 5	LTE system, 16QAM modulation
LTE BAND 12	LTE system, QPSK modulation
LIE BAND 12	LTE system, 16QAM modulation
LTE DAND 12	LTE system, QPSK modulation
LTE BAND 13	LTE system, 16QAM modulation
LTE DAND 44	LTE system, QPSK modulation
LTE BAND 14	LTE system, 16QAM modulation
LTE DAND 66	LTE system, QPSK modulation
LTE BAND 66	LTE system, 16QAM modulation
LTE BAND 71	LTE system, QPSK modulation
LIE DAND / I	LTE system, 16QAM modulation



Page 20 of 62

ACCORDING TO 3GPP 36.521 SUB-CLAUSE 6.2.3.3, THE MAXIMUM OUTPUT POWER IS ALLOWED TO BE REDUCED BY FOLLOWING THE TABLE.

TABLE 6.2.3.3-1: MAXIMUM POWER REDUCTION (MPR) FOR POWER CLASS 3

Modulation	Cha	Channel bandwidth / Transmission bandwidth configuration					MPR (dB)
		[RB]					
	1.4	1.4 3.0 5 10 15 20					
	MHz	MHz	MHz	MHz	MHz	MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2

The device supports MPR to solve linearity issues (ACLR or SEM) due to the higher peak-to average ratios (PAR) of the HSUPA signal. This prevents saturating the full range of the TX DAC inside of device and provides a reduced power output to the RF transceiver chip according to the Cubic Metric (For PRACH, PUCCH and SRS transmission, the allowed MPR is according to that specified for PUSCH QPSK modulation for the corresponding transmission bandwidth.).

When PRACH, PUCCH are present the beta gains on those channels are reduced firsts to try to get the power under the allowed limit. If the beta gains are lowered as far as possible, then a hard limiting is applied at the maximum allowed level.

For each subframe, the MPR is evaluated per slot and given by the maximum value taken over the transmission(s) within the slot, the maximum MPR over the two slots is then applied for the entire subframe.

For the UE maximum output power modified by MPR, the power limits specified in subclause 6.2.5.3 apply. The normative reference for this requirement is TS 36.101 clause 6.2.3.

The end effect is that the DUT output power is identical to the case where there is no MPR in the device.



Page 21 of 62

7. CONDUCTED OUTPUT POWER

7.1 PROVISIONS APPLICABLE

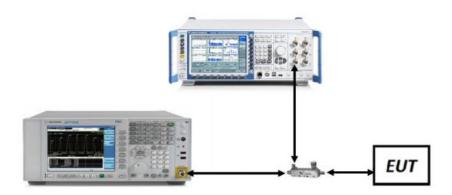
The conduction test is carried out in a shielded room.

According to the test, connect the device under test to the antenna port on the non-conductive platform directly to the test device for evaluation and measurement (ANSI-C63.26-2015 Clause 5.4)

7.2 MEASUREMENT METHOD

- -The transmitter output port was connected to base station.
- -Set EUT at maximum power through base station.
- -Select lowest, middle, and highest channels for each band and different test mode.

7.3 MEASUREMENT SETUP



7.4 MEASUREMENT RESULT

Note: The test data please reference to attachment "AGC11034230302FE07_Appendix Data"



Page 22 of 62

8. RADIATED OUTPUT POWER

8.1 PROVISIONS APPLICABLE

The radiation test is carried out in a semi-anechoic chamber.

According to the test, put the device under test on a non-conductive platform 3 meters away from the receiving antenna (ANSI/TIA-603-E-2016 Article 2.2.17).

The following rules are for the maximum radiated power limit requirements of the product:

Mode	Nominal Peak Power
LTE Band 2	< 2 Watts max. EIRP (33dBm)
LTE Band 4	< 1 Watts max. EIRP (30dBm)
LTE Band 5	< 7 Watts max. ERP (38.45dBm)
LTE Band 12	< 3 Watts max. ERP (34.77dBm)
LTE Band 13	< 3 Watts max. ERP (34.77dBm)
LTE Band 14	< 3 Watts max. ERP (34.77dBm)
LTE Band 66	< 1 Watts max. EIRP (30dBm)
LTE Band 71	< 3 Watts max. ERP (34.77dBm)

8.2 MEASUREMENT METHOD

- 1. Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation.
- 2. RBW = 1 5% of the expected OBW, not to exceed 1MHz
- 3. VBW ≥ 3 x RBW
- 4. Span = 1.5 times the OBW
- 5. No. of sweep points > 2 x span / RBW
- 6. Detector = RMS
- 7. Trigger is set to "free run" for signals with continuous operation with the sweep times set to "auto".
- 8. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation.
- 9. Trace mode = trace averaging (RMS) over 100 sweeps
- 10. The trace was allowed to stabilize.



Page 23 of 62

RADIATION CONSTRUCTION METHOD:

- 1. The turntable is rotated through 360 degrees, and the receiving antenna scans in order to determine the level of the maximized emission.
- 2. A half wave dipole is then substituted in place of the EUT. For emissions above 1GHz, a horn antenna is substituted in place of the EUT. The substitute antenna is driven by a signal generator and the previously recorded signal was duplicated.

The power is calculated by the following formula:

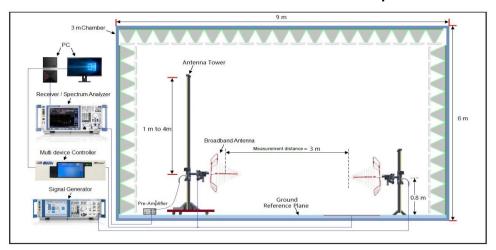
Pd(dBm) = Pg(dBm) - cable loss (dB) + antenna gain (dB)

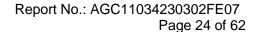
Where: Pd is the dipole equivalent power and Pg is the generator output power into the substitution antenna.

- 3. The maximum value is calculated by adding the forward power to the calibrated source plus its appropriate gain value. These steps are repeated with the receiving antenna in both vertical and horizontal polarization. the difference between the gain of the horn and an isotropic antenna are taken into consideration
- 4. The EUT was tested in three orthogonal planes (X, Y, Z) and in all possible test configurations and positioning.
- 5. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

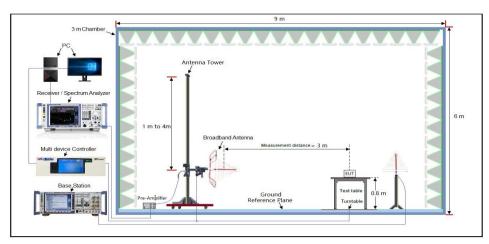
8.3 MEASUREMENT SETUP

Radiated Power 30MHz to 1GHz Test setup

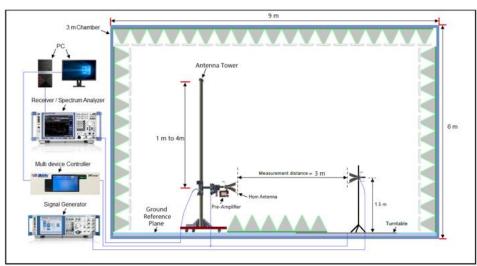


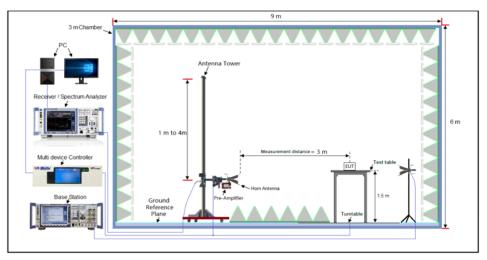






Radiated Power Above 1GHz Test setup





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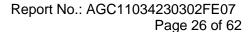


Page 25 of 62

8.4 MEASUREMENT RESULT

EIRP for LTE Band 2

				LIKI IOI LI					
Frequency	Channel Bandwidth	Mode.	RB	Substituted level	Antenna Polarization	Antenna Gain correction	Cable Loss	Absolute Level	Limit (dBm)
1850.7	1.4	QPSK	1/0	11.30	V	7.95	0.79	18.46	33
1880.0	1.4	QPSK	1/0	11.38	V	7.95	0.79	18.54	33
1909.3	1.4	QPSK	1/0	11.23	V	7.95	0.79	18.39	33
1850.7	1.4	QPSK	1/0	11.43	Н	7.95	0.79	18.59	33
1880.0	1.4	QPSK	1/0	11.45	Н	7.95	0.79	18.61	33
1909.3	1.4	QPSK	1/0	11.39	Н	7.95	0.79	18.55	33
1850.7	1.4	16-QAM	1/5	10.37	V	7.95	0.79	17.53	33
1880.0	1.4	16-QAM	1/0	11.43	V	7.95	0.79	18.59	33
1909.3	1.4	16-QAM	1/0	11.63	V	7.95	0.79	18.79	33
1850.7	1.4	16-QAM	1/5	11.16	Н	7.95	0.79	18.32	33
1880.0	1.4	16-QAM	1/0	11.24	Н	7.95	0.79	18.40	33
1909.3	1.4	16-QAM	1/0	11.02	Н	7.95	0.79	18.18	33
1851.5	3	QPSK	1/0	11.21	V	7.95	0.79	18.37	33
1880.0	3	QPSK	1/0	10.07	V	7.95	0.79	17.23	33
1908.5	3	QPSK	1/0	10.56	V	7.95	0.79	17.72	33
1851.5	3	QPSK	1/0	10.64	Н	7.95	0.79	17.80	33
1880.0	3	QPSK	1/0	10.48	Н	7.95	0.79	17.64	33
1908.5	3	QPSK	1/0	10.64	Н	7.95	0.79	17.80	33
1851.5	3	16-QAM	1/0	10.67	V	7.95	0.79	17.83	33
1880.0	3	16-QAM	1/0	10.65	V	7.95	0.79	17.81	33
1908.5	3	16-QAM	1/0	12.60	V	7.95	0.79	19.76	33
1851.5	3	16-QAM	1/0	10.51	Н	7.95	0.79	17.67	33
1880.0	3	16-QAM	1/0	10.60	Н	7.95	0.79	17.76	33
1908.5	3	16-QAM	1/0	10.40	Н	7.95	0.79	17.56	33
1852.5	5	QPSK	1/0	10.31	V	7.95	0.79	17.47	33
1880.0	5	QPSK	1/0	10.32	V	7.95	0.79	17.48	33
1907.5	5	QPSK	1/24	10.25	V	7.95	0.79	17.41	33
1852.5	5	QPSK	1/0	12.29	Н	7.95	0.79	19.45	33
1880.0	5	QPSK	1/0	10.37	Н	7.95	0.79	17.53	33
1907.5	5	QPSK	1/24	10.46	Н	7.95	0.79	17.62	33
1852.5	5	16-QAM	1/0	10.13	V	7.95	0.79	17.29	33
1880.0	5	16-QAM	1/0	12.92	V	7.95	0.79	20.08	33





				T	T	_	1	r	1
1907.5	5	16-QAM	1/24	12.91	V	7.95	0.79	20.07	33
1852.5	5	16-QAM	1/0	12.94	Н	7.95	0.79	20.10	33
1880.0	5	16-QAM	1/0	12.17	Н	7.95	0.79	19.33	33
1907.5	5	16-QAM	1/24	12.82	Н	7.95	0.79	19.98	33
1855	10	QPSK	1/0	12.88	V	7.95	0.79	20.04	33
1880	10	QPSK	1/49	12.63	V	7.95	0.79	19.79	33
1905	10	QPSK	1/0	12.56	V	7.95	0.79	19.72	33
1855	10	QPSK	1/0	12.57	Н	7.95	0.79	19.73	33
1880	10	QPSK	1/49	12.47	Н	7.95	0.79	19.63	33
1905	10	QPSK	1/0	12.64	Н	7.95	0.79	19.80	33
1855	10	16-QAM	1/0	12.87	V	7.95	0.79	20.03	33
1880	10	16-QAM	1/49	10.72	V	7.95	0.79	17.88	33
1905	10	16-QAM	1/0	10.64	V	7.95	0.79	17.80	33
1855	10	16-QAM	1/0	12.83	Н	7.95	0.79	19.99	33
1880	10	16-QAM	1/49	12.84	Н	7.95	0.79	20.00	33
1905	10	16-QAM	1/0	12.72	Н	7.95	0.79	19.88	33
1857.5	15	QPSK	1/0	12.80	V	7.95	0.79	19.91	33
1880	15	QPSK	1/74	10.90	V	7.95	0.79	18.01	33
1902.5	15	QPSK	1/0	11.08	V	7.95	0.79	18.19	33
1857.5	15	QPSK	1/0	11.14	Н	7.95	0.79	18.25	33
1880	15	QPSK	1/74	12.98	Н	7.95	0.79	20.09	33
1902.5	15	QPSK	1/0	12.96	Н	7.95	0.79	20.07	33
1857.5	15	16-QAM	1/0	13.07	V	7.95	0.79	20.18	33
1880	15	16-QAM	1/74	13.02	V	7.95	0.79	20.13	33
1902.5	15	16-QAM	1/0	10.86	V	7.95	0.79	17.97	33
1857.5	15	16-QAM	1/0	10.68	Н	7.95	0.79	17.79	33
1880	15	16-QAM	1/74	10.62	Н	7.95	0.79	17.73	33
1902.5	15	16-QAM	1/0	12.75	Н	7.95	0.79	19.86	33
1860	20	QPSK	1/99	12.76	V	7.95	0.79	19.87	33
1880	20	QPSK	1/99	12.70	V	7.95	0.79	19.81	33
1900	20	QPSK	1/0	12.69	V	7.95	0.79	19.80	33
1860	20	QPSK	1/99	10.12	Н	7.95	0.79	17.23	33
1880	20	QPSK	1/99	9.99	Н	7.95	0.79	17.10	33
1900	20	QPSK	1/0	11.87	Н	7.95	0.79	18.98	33
1860	20	16-QAM	1/99	13.00	V	7.95	0.79	20.11	33
1880	20	16-QAM	1/99	12.98	V	7.95	0.79	20.09	33



Page 27 of 62

1900	20	16-QAM	1/0	12.89	V	7.95	0.79	20.00	33
1860	20	16-QAM	1/99	12.89	Н	7.95	0.79	20.00	33
1880	20	16-QAM	1/99	12.11	Н	7.95	0.79	19.22	33
1900	20	16-QAM	1/0	10.25	Н	7.95	0.79	17.36	33



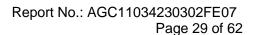
Page 28 of 62

EIRP for LTE Band 4

				LIKI IOI LI					
Frequency	Channel Bandwidth	Mode.	RB	Substituted level	Antenna Polarization	Antenna Gain correction	Cable Loss	Absolute Level	Limit (dBm)
1710.7	1.4	QPSK	1/0	13.47	V	7.95	0.79	20.63	30
1732.5	1.4	QPSK	1/0	13.64	V	7.95	0.79	20.80	30
1754.3	1.4	QPSK	1/0	13.40	V	7.95	0.79	20.56	30
1710.7	1.4	QPSK	1/0	13.53	Н	7.95	0.79	20.69	30
1732.5	1.4	QPSK	1/0	13.52	Н	7.95	0.79	20.68	30
1754.3	1.4	QPSK	1/0	13.50	Н	7.95	0.79	20.66	30
1710.7	1.4	16-QAM	1/5	12.49	V	7.95	0.79	19.65	30
1732.5	1.4	16-QAM	1/0	15.29	V	7.95	0.79	22.45	30
1754.3	1.4	16-QAM	1/0	15.39	V	7.95	0.79	22.55	30
1710.7	1.4	16-QAM	1/5	15.18	Н	7.95	0.79	22.34	30
1732.5	1.4	16-QAM	1/0	15.33	Н	7.95	0.79	22.49	30
1754.3	1.4	16-QAM	1/0	15.35	Н	7.95	0.79	22.51	30
1711.5	3	QPSK	1/0	15.35	V	7.95	0.79	22.51	30
1732.5	3	QPSK	1/0	14.30	V	7.95	0.79	21.46	30
1753.5	3	QPSK	1/0	14.84	V	7.95	0.79	22.00	30
1711.5	3	QPSK	1/0	14.96	Н	7.95	0.79	22.12	30
1732.5	3	QPSK	1/0	14.69	Н	7.95	0.79	21.85	30
1753.5	3	QPSK	1/0	14.58	Н	7.95	0.79	21.74	30
1711.5	3	16-QAM	1/0	14.40	V	7.95	0.79	21.56	30
1732.5	3	16-QAM	1/0	14.52	V	7.95	0.79	21.68	30
1753.5	3	16-QAM	1/0	13.53	V	7.95	0.79	20.69	30
1711.5	3	16-QAM	1/0	12.61	Н	7.95	0.79	19.77	30
1732.5	3	16-QAM	1/0	12.75	Н	7.95	0.79	19.91	30
1753.5	3	16-QAM	1/0	12.54	Н	7.95	0.79	19.70	30
1712.5	5	QPSK	1/0	12.43	V	7.95	0.79	19.59	30
1732.5	5	QPSK	1/0	12.46	V	7.95	0.79	19.62	30
1752.5	5	QPSK	1/24	12.38	V	7.95	0.79	19.54	30
1712.5	5	QPSK	1/0	11.56	Н	7.95	0.79	18.72	30
1732.5	5	QPSK	1/0	14.44	Н	7.95	0.79	21.60	30
1752.5	5	QPSK	1/24	14.61	Н	7.95	0.79	21.77	30
1712.5	5	16-QAM	1/0	14.35	V	7.95	0.79	21.51	30
1732.5	5	16-QAM	1/0	14.25	V	7.95	0.79	21.41	30
1752.5	5	16-QAM	1/24	14.25	V	7.95	0.79	21.41	30
1712.5	5	16-QAM	1/0	14.17	Н	7.95	0.79	21.33	30
1732.5	5	16-QAM	1/0	13.17	Н	7.95	0.79	20.33	30
1752.5	5	16-QAM	1/24	13.69	Н	7.95	0.79	20.85	30

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							,		
1715	10	QPSK	1/0	13.78	V	7.95	0.79	20.94	30
1732.5	10	QPSK	1/49	13.53	V	7.95	0.79	20.69	30
1750	10	QPSK	1/0	13.65	V	7.95	0.79	20.81	30
1715	10	QPSK	1/0	13.25	Н	7.95	0.79	20.41	30
1732.5	10	QPSK	1/49	13.17	Н	7.95	0.79	20.33	30
1750	10	QPSK	1/0	12.60	Н	7.95	0.79	19.76	30
1715	10	16-QAM	1/0	14.40	V	7.95	0.79	21.56	30
1732.5	10	16-QAM	1/49	14.27	V	7.95	0.79	21.43	30
1750	10	16-QAM	1/0	14.09	V	7.95	0.79	21.25	30
1715	10	16-QAM	1/0	13.07	Н	7.95	0.79	20.23	30
1732.5	10	16-QAM	1/49	13.36	Н	7.95	0.79	20.52	30
1750	10	16-QAM	1/0	13.11	Н	7.95	0.79	20.27	30
1717.5	15	QPSK	1/0	13.14	V	7.95	0.79	20.25	30
1732.5	15	QPSK	1/74	15.37	V	7.95	0.79	22.48	30
1747.5	15	QPSK	1/0	15.01	V	7.95	0.79	22.12	30
1717.5	15	QPSK	1/0	14.87	Н	7.95	0.79	21.98	30
1732.5	15	QPSK	1/74	13.98	Н	7.95	0.79	21.09	30
1747.5	15	QPSK	1/0	14.08	Н	7.95	0.79	21.19	30
1717.5	15	16-QAM	1/0	13.90	V	7.95	0.79	21.01	30
1732.5	15	16-QAM	1/74	13.99	V	7.95	0.79	21.10	30
1747.5	15	16-QAM	1/0	14.71	V	7.95	0.79	21.82	30
1717.5	15	16-QAM	1/0	14.48	Н	7.95	0.79	21.59	30
1732.5	15	16-QAM	1/74	14.55	Н	7.95	0.79	21.66	30
1747.5	15	16-QAM	1/0	13.40	Н	7.95	0.79	20.51	30
1720	20	QPSK	1/99	13.78	V	7.95	0.79	20.89	30
1732.5	20	QPSK	1/99	13.64	V	7.95	0.79	20.75	30
1745	20	QPSK	1/0	13.55	V	7.95	0.79	20.66	30
1720	20	QPSK	1/99	13.58	Н	7.95	0.79	20.69	30
1732.5	20	QPSK	1/99	13.17	Н	7.95	0.79	20.28	30
1745	20	QPSK	1/0	13.14	Н	7.95	0.79	20.25	30
1720	20	16-QAM	1/99	12.26	V	7.95	0.79	19.37	30
1732.5	20	16-QAM	1/99	12.37	V	7.95	0.79	19.48	30
1745	20	16-QAM	1/0	12.40	V	7.95	0.79	19.51	30
1720	20	16-QAM	1/99	12.18	Н	7.95	0.79	19.29	30
1732.5	20	16-QAM	1/99	14.29	Н	7.95	0.79	21.40	30
1745	20	16-QAM	1/0	14.24	Н	7.95	0.79	21.35	30



Page 30 of 62

ERP for LTE Band 5

Frequency	Channel Bandwidth	Mode.	RB	Substituted level	Antenna Polarization	Antenna Gain correction	Cable Loss	Absolute Level	Limit (dBm)
824.7	1.4	QPSK	1/0	13.97	V	6.7	0.49	20.18	38.45
836.5	1.4	QPSK	1/0	13.65	V	6.7	0.49	19.86	38.45
848.3	1.4	QPSK	1/0	13.26	V	6.7	0.49	19.47	38.45
824.7	1.4	QPSK	1/0	14.30	Н	6.7	0.49	20.51	38.45
836.5	1.4	QPSK	1/0	14.17	Н	6.7	0.49	20.38	38.45
848.3	1.4	QPSK	1/0	13.89	Н	6.7	0.49	20.10	38.45
824.7	1.4	16-QAM	1/0	12.66	V	6.7	0.49	18.87	38.45
836.5	1.4	16-QAM	1/0	12.90	V	6.7	0.49	19.11	38.45
848.3	1.4	16-QAM	1/0	13.07	V	6.7	0.49	19.28	38.45
824.7	1.4	16-QAM	1/0	13.21	Н	6.7	0.49	19.42	38.45
836.5	1.4	16-QAM	1/0	13.31	Н	6.7	0.49	19.52	38.45
848.3	1.4	16-QAM	1/0	13.48	Н	6.7	0.49	19.69	38.45
825.5	3	QPSK	1/0	14.37	V	6.7	0.49	20.58	38.45
836.5	3	QPSK	1/0	14.63	V	6.7	0.49	20.84	38.45
847.5	3	QPSK	1/0	14.35	V	6.7	0.49	20.56	38.45
825.5	3	QPSK	1/0	14.62	Н	6.7	0.49	20.83	38.45
836.5	3	QPSK	1/0	14.77	Н	6.7	0.49	20.98	38.45
847.5	3	QPSK	1/0	14.68	Н	6.7	0.49	20.89	38.45
825.5	3	16-QAM	1/0	13.18	V	6.7	0.49	19.39	38.45
836.5	3	16-QAM	1/0	13.20	V	6.7	0.49	19.41	38.45
847.5	3	16-QAM	1/0	12.40	V	6.7	0.49	18.61	38.45
825.5	3	16-QAM	1/0	13.39	Н	6.7	0.49	19.60	38.45
836.5	3	16-QAM	1/0	13.34	Н	6.7	0.49	19.55	38.45
847.5	3	16-QAM	1/0	13.03	Н	6.7	0.49	19.24	38.45
826.5	5	QPSK	1/0	11.43	V	6.7	0.49	17.64	38.45
836.5	5	QPSK	1/0	11.99	V	6.7	0.49	18.20	38.45
846.5	5	QPSK	1/0	11.91	V	6.7	0.49	18.12	38.45
826.5	5	QPSK	1/0	11.98	Н	6.7	0.49	18.19	38.45
836.5	5	QPSK	1/0	12.44	Н	6.7	0.49	18.65	38.45
846.5	5	QPSK	1/0	12.73	Н	6.7	0.49	18.94	38.45
826.5	5	16-QAM	1/0	11.94	V	6.7	0.49	18.15	38.45
836.5	5	16-QAM	1/0	11.29	V	6.7	0.49	17.50	38.45
846.5	5	16-QAM	1/0	14.10	V	6.7	0.49	20.31	38.45
826.5	5	16-QAM	1/0	12.39	Н	6.7	0.49	18.60	38.45
836.5	5	16-QAM	1/0	11.43	Н	6.7	0.49	17.64	38.45
846.5	5	16-QAM	1/0	14.62	Н	6.7	0.49	20.83	38.45



Page 31 of 62

829	10	QPSK	1/0	14.72	V	6.7	0.49	20.93	38.45
836.5	10	QPSK	1/0	14.50	V	6.7	0.49	20.71	38.45
844	10	QPSK	1/0	15.04	V	6.7	0.49	21.25	38.45
829	10	QPSK	1/0	14.86	Н	6.7	0.49	21.07	38.45
836.5	10	QPSK	1/0	14.72	Н	6.7	0.49	20.93	38.45
844	10	QPSK	1/0	15.56	Н	6.7	0.49	21.77	38.45
829	10	16-QAM	1/0	13.29	V	6.7	0.49	19.50	38.45
836.5	10	16-QAM	1/0	12.83	V	6.7	0.49	19.04	38.45
844	10	16-QAM	1/0	12.23	V	6.7	0.49	18.44	38.45
829	10	16-QAM	1/0	13.62	Н	6.7	0.49	19.83	38.45
836.5	10	16-QAM	1/0	13.24	Н	6.7	0.49	19.45	38.45
844	10	16-QAM	1/0	12.59	Н	6.7	0.49	18.80	38.45



Page 32 of 62

ERP for LTE Band 12

				EKP IOI LII	- Dana 12				
Frequency	Channel Bandwidth	Mode.	RB	Substituted level	Antenna Polarization	Antenna Gain correction	Cable Loss	Absolute Level	Limit (dBm)
699.7	1.4	QPSK	1/0	16.47	V	6.6	0.47	22.60	34.77
707.5	1.4	QPSK	1/0	16.48	V	6.6	0.47	22.61	34.77
715.3	1.4	QPSK	1/24	16.19	V	6.6	0.47	22.32	34.77
699.7	1.4	QPSK	1/0	16.80	Н	6.6	0.47	22.93	34.77
707.5	1.4	QPSK	1/0	17.00	Н	6.6	0.47	23.13	34.77
715.3	1.4	QPSK	1/24	16.82	Н	6.6	0.47	22.95	34.77
699.7	1.4	16-QAM	1/0	16.25	V	6.6	0.47	22.38	34.77
707.5	1.4	16-QAM	1/0	13.90	V	6.6	0.47	20.03	34.77
715.3	1.4	16-QAM	1/24	13.85	V	6.6	0.47	19.98	34.77
699.7	1.4	16-QAM	1/0	16.80	Н	6.6	0.47	22.93	34.77
707.5	1.4	16-QAM	1/0	14.31	Н	6.6	0.47	20.44	34.77
715.3	1.4	16-QAM	1/24	14.26	Н	6.6	0.47	20.39	34.77
700.5	3	QPSK	1/0	15.60	V	6.6	0.47	21.73	34.77
707.5	3	QPSK	1/49	15.76	V	6.6	0.47	21.89	34.77
714.5	3	QPSK	1/0	15.34	V	6.6	0.47	21.47	34.77
700.5	3	QPSK	1/0	15.85	Н	6.6	0.47	21.98	34.77
707.5	3	QPSK	1/49	15.90	Н	6.6	0.47	22.03	34.77
714.5	3	QPSK	1/0	15.67	Н	6.6	0.47	21.80	34.77
700.5	3	16-QAM	1/0	15.72	V	6.6	0.47	21.85	34.77
707.5	3	16-QAM	1/49	15.99	V	6.6	0.47	22.12	34.77
714.5	3	16-QAM	1/0	15.37	V	6.6	0.47	21.50	34.77
700.5	3	16-QAM	1/0	15.93	Н	6.6	0.47	22.06	34.77
707.5	3	16-QAM	1/49	16.13	Н	6.6	0.47	22.26	34.77
714.5	3	16-QAM	1/0	16.00	Н	6.6	0.47	22.13	34.77
701.5	5	QPSK	1/0	14.29	V	6.6	0.47	20.42	34.77
707.5	5	QPSK	1/74	14.02	V	6.6	0.47	20.15	34.77
713.5	5	QPSK	1/0	13.94	V	6.6	0.47	20.07	34.77
701.5	5	QPSK	1/0	14.84	Н	6.6	0.47	20.97	34.77
707.5	5	QPSK	1/74	14.47	Н	6.6	0.47	20.60	34.77
713.5	5	QPSK	1/0	15.59	Н	6.6	0.47	21.72	34.77
701.5	5	16-QAM	1/0	16.27	V	6.6	0.47	22.40	34.77
707.5	5	16-QAM	1/74	15.90	V	6.6	0.47	22.03	34.77
713.5	5	16-QAM	1/0	14.26	V	6.6	0.47	20.39	34.77
701.5	5	16-QAM	1/0	16.72	Н	6.6	0.47	22.85	34.77
707.5	5	16-QAM	1/74	16.04	Н	6.6	0.47	22.17	34.77
713.5	5	16-QAM	1/0	14.78	Н	6.6	0.47	20.91	34.77



Page 33 of 62

704.0	10	QPSK	1/99	14.66	V	6.6	0.47	20.79	34.77
707.5	10	QPSK	1/99	14.32	V	6.6	0.47	20.45	34.77
711.0	10	QPSK	1/0	13.85	V	6.6	0.47	19.98	34.77
704.0	10	QPSK	1/99	14.80	Н	6.6	0.47	20.93	34.77
707.5	10	QPSK	1/99	14.54	Н	6.6	0.47	20.67	34.77
711.0	10	QPSK	1/0	14.37	Н	6.6	0.47	20.50	34.77
704.0	10	16-QAM	1/99	15.55	V	6.6	0.47	21.68	34.77
707.5	10	16-QAM	1/99	14.65	V	6.6	0.47	20.78	34.77
711.0	10	16-QAM	1/0	16.27	V	6.6	0.47	22.40	34.77
704.0	10	16-QAM	1/99	15.88	Н	6.6	0.47	22.01	34.77
707.5	10	16-QAM	1/99	15.06	Н	6.6	0.47	21.19	34.77
711.0	10	16-QAM	1/0	16.63	Н	6.6	0.47	22.76	34.77



Page 34 of 62

ERP for LTE Band 13

Frequency	Channel Bandwidth	Mode.	RB	Substituted level	Antenna Polarization	Antenna Gain correction	Cable Loss	Absolute Level	Limit (dBm)
779.5	5	QPSK	1/0	12.72	V	6.6	0.47	18.85	34.77
782.0	5	QPSK	1/74	13.21	V	6.6	0.47	19.34	34.77
784.5	5	QPSK	1/0	13.37	V	6.6	0.47	19.50	34.77
779.5	5	QPSK	1/0	13.05	Н	6.6	0.47	19.18	34.77
782.0	5	QPSK	1/74	13.73	Н	6.6	0.47	19.86	34.77
784.5	5	QPSK	1/0	14.00	Н	6.6	0.47	20.13	34.77
779.5	5	16-QAM	1/0	12.14	V	6.6	0.47	18.27	34.77
782.0	5	16-QAM	1/74	13.40	V	6.6	0.47	19.53	34.77
784.5	5	16-QAM	1/0	13.47	V	6.6	0.47	19.60	34.77
779.5	5	16-QAM	1/0	12.69	Н	6.6	0.47	18.82	34.77
782.0	5	16-QAM	1/74	13.81	Н	6.6	0.47	19.94	34.77
784.5	5	16-QAM	1/0	13.88	Н	6.6	0.47	20.01	34.77
782.0	10	QPSK	1/99	13.79	V	6.6	0.47	19.92	34.77
782.0	10	QPSK	1/99	14.15	Н	6.6	0.47	20.28	34.77
782.0	10	16-QAM	1/99	14.28	V	6.6	0.47	20.41	34.77
782.0	10	16-QAM	1/99	14.04	Н	6.6	0.47	20.17	34.77



Page 35 of 62

ERP for LTE Band 14

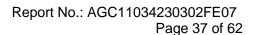
Frequency	Channel Bandwidth	Mode.	RB	Substituted level	Antenna Polarization	Antenna Gain correction	Cable Loss	Absolute Level	Limit (dBm)
790.5	5	QPSK	1/0	14.63	V	6.6	0.47	20.76	34.77
793.0	5	QPSK	1/74	14.57	V	6.6	0.47	20.70	34.77
795.5	5	QPSK	1/0	14.82	V	6.6	0.47	20.95	34.77
790.5	5	QPSK	1/0	14.96	Н	6.6	0.47	21.09	34.77
793.0	5	QPSK	1/74	15.09	Н	6.6	0.47	21.22	34.77
795.5	5	QPSK	1/0	15.45	Н	6.6	0.47	21.58	34.77
790.5	5	16-QAM	1/0	13.67	V	6.6	0.47	19.80	34.77
793.0	5	16-QAM	1/74	14.70	V	6.6	0.47	20.83	34.77
795.5	5	16-QAM	1/0	15.01	V	6.6	0.47	21.14	34.77
790.5	5	16-QAM	1/0	14.22	Н	6.6	0.47	20.35	34.77
793.0	5	16-QAM	1/74	15.11	Н	6.6	0.47	21.24	34.77
795.5	5	16-QAM	1/0	15.42	Н	6.6	0.47	21.55	34.77
793.0	10	QPSK	1/99	15.36	V	6.6	0.47	21.49	34.77
793.0	10	QPSK	1/99	15.77	Н	6.6	0.47	21.90	34.77
793.0	10	16-QAM	1/99	15.16	V	6.6	0.47	21.29	34.77
793.0	10	16-QAM	1/99	15.61	Н	6.6	0.47	21.74	34.77



Page 36 of 62

EIRP for LTE Band 66

				LIIVI IOI LI					
Frequency	Channel Bandwidth	Mode.	RB	Substituted level	Antenna Polarization	Antenna Gain correction	Cable Loss	Absolute Level	Limit (dBm)
1710.7	1.4	QPSK	1/0	11.35	V	7.95	0.79	18.51	30
1745.0	1.4	QPSK	1/0	11.51	V	7.95	0.79	18.67	30
1779.3	1.4	QPSK	1/0	11.26	V	7.95	0.79	18.42	30
1710.7	1.4	QPSK	1/0	11.42	Н	7.95	0.79	18.58	30
1745.0	1.4	QPSK	1/0	13.39	Н	7.95	0.79	20.55	30
1779.3	1.4	QPSK	1/0	13.35	Н	7.95	0.79	20.51	30
1710.7	1.4	16-QAM	1/5	12.34	V	7.95	0.79	19.50	30
1745.0	1.4	16-QAM	1/0	13.18	V	7.95	0.79	20.34	30
1779.3	1.4	16-QAM	1/0	13.38	V	7.95	0.79	20.54	30
1710.7	1.4	16-QAM	1/5	13.13	Н	7.95	0.79	20.29	30
1745.0	1.4	16-QAM	1/0	13.25	Н	7.95	0.79	20.41	30
1779.3	1.4	16-QAM	1/0	13.26	Н	7.95	0.79	20.42	30
1711.5	3	QPSK	1/0	13.30	V	7.95	0.79	20.46	30
1745.0	3	QPSK	1/0	12.26	V	7.95	0.79	19.42	30
1778.5	3	QPSK	1/0	15.36	V	7.95	0.79	22.52	30
1711.5	3	QPSK	1/0	15.72	Н	7.95	0.79	22.88	30
1745.0	3	QPSK	1/0	15.39	Н	7.95	0.79	22.55	30
1778.5	3	QPSK	1/0	15.48	Н	7.95	0.79	22.64	30
1711.5	3	16-QAM	1/0	15.44	V	7.95	0.79	22.60	30
1745.0	3	16-QAM	1/0	15.54	V	7.95	0.79	22.70	30
1778.5	3	16-QAM	1/0	14.44	V	7.95	0.79	21.60	30
1711.5	3	16-QAM	1/0	10.46	Н	7.95	0.79	17.62	30
1745.0	3	16-QAM	1/0	10.61	Н	7.95	0.79	17.77	30
1778.5	3	16-QAM	1/0	13.33	Н	7.95	0.79	20.49	30
1712.5	5	QPSK	1/0	10.33	V	7.95	0.79	17.49	30
1745.0	5	QPSK	1/0	12.29	V	7.95	0.79	19.45	30
1777.5	5	QPSK	1/24	12.21	V	7.95	0.79	19.37	30
1712.5	5	QPSK	1/0	11.38	Н	7.95	0.79	18.54	30
1745.0	5	QPSK	1/0	12.32	Н	7.95	0.79	19.48	30
1777.5	5	QPSK	1/24	12.51	Н	7.95	0.79	19.67	30
1712.5	5	16-QAM	1/0	12.29	V	7.95	0.79	19.45	30
1745.0	5	16-QAM	1/0	12.13	V	7.95	0.79	19.29	30
1777.5	5	16-QAM	1/24	12.12	V	7.95	0.79	19.28	30
1712.5	5	16-QAM	1/0	12.19	Н	7.95	0.79	19.35	30
1745.0	5	16-QAM	1/0	11.17	Н	7.95	0.79	18.33	30
1777.5	5	16-QAM	1/24	15.19	Н	7.95	0.79	22.35	30





1715.0	10	QPSK	1/0	14.51	V	7.95	0.79	21.67	30
1745.0	10	QPSK	1/49	14.34	V	7.95	0.79	21.50	30
1775.0	10	QPSK	1/0	14.25	V	7.95	0.79	21.41	30
1715.0	10	QPSK	1/0	14.30	Н	7.95	0.79	21.46	30
1745.0	10	QPSK	1/49	14.34	Н	7.95	0.79	21.50	30
1775.0	10	QPSK	1/0	13.52	Н	7.95	0.79	20.68	30
1715.0	10	16-QAM	1/0	13.82	V	7.95	0.79	20.98	30
1745.0	10	16-QAM	1/49	13.72	V	7.95	0.79	20.88	30
1775.0	10	16-QAM	1/0	13.72	V	7.95	0.79	20.88	30
1715.0	10	16-QAM	1/0	12.85	Н	7.95	0.79	20.01	30
1745.0	10	16-QAM	1/49	13.10	Н	7.95	0.79	20.26	30
1775.0	10	16-QAM	1/0	12.76	Н	7.95	0.79	19.92	30
1717.5	15	QPSK	1/0	12.80	V	7.95	0.79	19.96	30
1745.0	15	QPSK	1/74	13.98	V	7.95	0.79	21.14	30
1772.5	15	QPSK	1/0	13.77	V	7.95	0.79	20.93	30
1717.5	15	QPSK	1/0	14.13	Н	7.95	0.79	21.29	30
1745.0	15	QPSK	1/74	13.14	Н	7.95	0.79	20.30	30
1772.5	15	QPSK	1/0	13.23	Н	7.95	0.79	20.39	30
1717.5	15	16-QAM	1/0	13.23	V	7.95	0.79	20.39	30
1745.0	15	16-QAM	1/74	13.14	V	7.95	0.79	20.30	30
1772.5	15	16-QAM	1/0	15.16	V	7.95	0.79	22.32	30
1717.5	15	16-QAM	1/0	14.86	Н	7.95	0.79	22.02	30
1745.0	15	16-QAM	1/74	14.90	Н	7.95	0.79	22.06	30
1772.5	15	16-QAM	1/0	13.78	Н	7.95	0.79	20.94	30
1720.0	20	QPSK	1/99	13.76	V	7.95	0.79	20.92	30
1745.0	20	QPSK	1/99	13.89	V	7.95	0.79	21.05	30
1770.0	20	QPSK	1/0	13.79	V	7.95	0.79	20.95	30
1720.0	20	QPSK	1/99	13.04	Н	7.95	0.79	20.20	30
1745.0	20	QPSK	1/99	12.97	Н	7.95	0.79	20.13	30
1770.0	20	QPSK	1/0	12.92	Н	7.95	0.79	20.08	30
1720.0	20	16-QAM	1/99	11.93	V	7.95	0.79	19.09	30
1745.0	20	16-QAM	1/99	11.90	V	7.95	0.79	19.06	30
1770.0	20	16-QAM	1/0	11.82	V	7.95	0.79	18.98	30
1720.0	20	16-QAM	1/99	12.02	Н	7.95	0.79	19.18	30
1745.0	20	16-QAM	1/99	12.92	Н	7.95	0.79	20.08	30
1770.0	20	16-QAM	1/0	13.04	Н	7.95	0.79	20.20	30



Page 38 of 62

ERP for LTE Band 71

Frequency Bandwidth Mode. RB level Polarization Correction Loss Level (december 2015) Correction C	Limit (dBm) 34.77
680.5 5 QPSK 1/0 12.45 V 6.6 0.47 18.58 3	34.77
695.5 5 QPSK 1/24 12.27 V 6.6 0.47 18.40 3	34.77
665.5 5 QPSK 1/0 11.57 H 6.6 0.47 17.70 3	34.77
680.5 5 QPSK 1/0 11.55 H 6.6 0.47 17.68 3	34.77
695.5 5 QPSK 1/24 11.41 H 6.6 0.47 17.54 3	34.77
665.5 5 16-QAM 1/0 11.37 V 6.6 0.47 17.50 3	34.77
680.5 5 16-QAM 1/0 11.90 V 6.6 0.47 18.03 3	34.77
695.5 5 16-QAM 1/24 12.27 V 6.6 0.47 18.40 3	34.77
665.5 5 16-QAM 1/0 12.52 H 6.6 0.47 18.65 3	34.77
680.5 5 16-QAM 1/0 11.09 H 6.6 0.47 17.22 3	34.77
695.5 5 16-QAM 1/24 11.08 H 6.6 0.47 17.21 3	34.77
668.0 10 QPSK 1/0 11.37 V 6.6 0.47 17.50 3	34.77
680.5 10 QPSK 1/49 11.25 V 6.6 0.47 17.38 3	34.77
693.0 10 QPSK 1/0 13.49 V 6.6 0.47 19.62 3	34.77
668.0 10 QPSK 1/0 13.77 H 6.6 0.47 19.90 3	34.77
680.5 10 QPSK 1/49 14.14 H 6.6 0.47 20.27 3	34.77
693.0 10 QPSK 1/0 12.66 H 6.6 0.47 18.79 3	34.77
668.0 10 16-QAM 1/0 12.66 V 6.6 0.47 18.79 3	34.77
680.5 10 16-QAM 1/49 13.10 V 6.6 0.47 19.23 3	34.77
693.0 10 16-QAM 1/0 12.80 V 6.6 0.47 18.93 3	34.77
668.0 10 16-QAM 1/0 11.39 H 6.6 0.47 17.52 3	34.77
680.5 10 16-QAM 1/49 11.19 H 6.6 0.47 17.32 3	34.77
693.0 10 16-QAM 1/0 11.00 H 6.6 0.47 17.13 3	34.77
670.5 15 QPSK 1/0 10.71 V 6.6 0.47 16.84 3	34.77
680.5 15 QPSK 1/74 10.62 V 6.6 0.47 16.75 3	34.77
690.5 15 QPSK 1/0 10.31 V 6.6 0.47 16.44 3	34.77
	34.77
680.5 15 QPSK 1/74 11.32 H 6.6 0.47 17.45 3	34.77
690.5 15 QPSK 1/0 11.45 H 6.6 0.47 17.58 3	34.77
670.5 15 16-QAM 1/0 11.51 V 6.6 0.47 17.64 3	34.77
680.5 15 16-QAM 1/74 10.32 V 6.6 0.47 16.45 3	34.77
	34.77
	34.77
	34.77
	34.77



Page 39 of 62

673.0	20	QPSK	1/99	13.03	V	6.6	0.47	19.16	34.77
680.5	20	QPSK	1/99	13.33	V	6.6	0.47	19.46	34.77
688.0	20	QPSK	1/0	11.61	V	6.6	0.47	17.74	34.77
673.0	20	QPSK	1/99	11.48	Н	6.6	0.47	17.61	34.77
680.5	20	QPSK	1/99	12.15	Н	6.6	0.47	18.28	34.77
688.0	20	QPSK	1/0	11.85	Н	6.6	0.47	17.98	34.77
673.0	20	16-QAM	1/99	12.78	V	6.6	0.47	18.91	34.77
680.5	20	16-QAM	1/99	12.26	V	6.6	0.47	18.39	34.77
688.0	20	16-QAM	1/0	11.90	V	6.6	0.47	18.03	34.77
673.0	20	16-QAM	1/99	11.45	Н	6.6	0.47	17.58	34.77
680.5	20	16-QAM	1/99	11.45	Н	6.6	0.47	17.58	34.77
688.0	20	16-QAM	1/0	11.21	Н	6.6	0.47	17.34	34.77

Note: Above is the worst mode data.



Page 40 of 62

9. PEAK-TO-AVERAGE RATIO

9.1 PROVISIONS APPLICABLE

① CCDF Procedure for PAPR:

- 1. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
- 2. Set the number of counts to a value that stabilizes the measured CCDF curve;
- 3. Set the measurement interval as follows:
- -for continuous transmissions, set to 1 ms,
- -or burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize and set the measurement interval to a time
 - that is less than or equal to the burst duration.
- 4. Record the maximum PAPR level associated with a probability of 0.1%.

② Alternate Procedure for PAPR:

Use one of the procedures presented in 5.2(ANSI C63.26-2015) to measure the total peak power and record as PPk. Use one of the applicable procedures presented 5.2(ANSI C63.26-2015) to measure the total average power and recordas PAvg. Determine the P.A.R. from:

P.A.R(dB) = PPk (dBm) - PAvg (dBm) (PAvg = Average Power + Duty cycle Factor)

9.2 MEASUREMENT METHOD

Test Settings(Peak Power):

The measurement instrument must have a RBW that is greater than or equal to the OBW of the signal to be measured and a VBW \geq 3 x RBW.

- 1. Set the RBW ≥ OBW.
- 2. Set VBW ≥ 3 × RBW.
- 3. Set span ≥ 2 × OBW.
- 4. Sweep time ≥ 10 × (number of points in sweep) × (transmission symbol period).
- 5. Detector = peak.
- 6. Trace mode = max hold.
- 7. Allow trace to fully stabilize.
- 8. Use the peak marker function to determine the peak amplitude level.

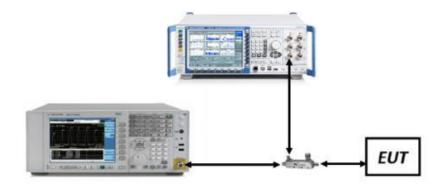


Page 41 of 62

Test Settings(Average Power)

- 1. Set span to $2 \times$ to $3 \times$ the OBW.
- 2. Set RBW ≥ OBW.
- 3. Set VBW ≥ 3 × RBW.
- 4. Set number of measurement points in sweep ≥ 2 × span / RBW.
- 5. Sweep time: Set ≥ [10 × (number of points in sweep) × (transmission period)] for single sweep (automation-compatible) measurement. The transmission period is the (on + off) time.
- 6. Detector = power averaging (rms).
- 7. Set sweep trigger to "free run."
- 8. Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple. (To accurately determine the average power over the on and off period of the transmitter, it can be necessary to increase the number of traces to be averaged above 100 or, if using a manually configured sweep time, increase the sweep time.)
- 9. Use the peak marker function to determine the maximum amplitude level.
- 10. Add [10 log (1/duty cycle)] to the measured maximum power level to compute the average power during continuous transmission. For example, add [10 log (1/0.25)] = 6 dB if the duty cycle is a constant 25%.

9.3 MEASUREMENT SETUP



9.4 MEASUREMENT RESULT

Note: The test data please reference to attachment "AGC11034230302FE07 Appendix Data"



Page 42 of 62

10. SPURIOUS AND HARMONIC EMISSIONS AT ANTENNA TERMINAL

10.1 PROVISIONS APPLICABLE

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. All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

10.2 MEASUREMENT METHOD

For Band 2/Band 4/Band 5/Band 12/Band 13/Band 14/Band 66/Band 71:

The minimum permissible attenuation level of any spurious emission is 43 + log10(P[Watts]), where P is the transmitter power in Watts.

For Band 7:

- (i) 40 + 10 log10 p from the channel edges to 5 MHz away
- (ii) 43 + 10 log10 p between 5 MHz and X MHz from the channel edges, and
- (iii) 55 + 10 log10 p at X MHz and beyond from the channel edges

For Band 14:

On all frequencies between 769-775 MHz and 799-805 MHz:< 65 + 10log10 (P[Watts])

For Band 38/41:

- 1. The attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge,
- 2. 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge.
- 3. 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge.
- 4. The attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz.
- 5. 55 + 10 log (P) dB at or below 2490.5 MHz.
- 6. X is the greater of 6MHz or the actual emission bandwidth.

Test Settings

- 1. Start frequency was set to 30MHz and stop frequency was set to at least 10 * the fundamental frequency (separated into at least two plots per channel)
- 1. RBW = 1 MHz
- 2. VBW ≥ 3 MHz
- 3. Detector = RMS
- 4. Trace Mode = Average
- 5. Sweep time = auto
- 6. Number of points in sweep ≥ 2 * Span / RBW



Page 43 of 62

Test Note

Compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for frequencies less than 1 GHz and 1 MHz or greater for frequencies greater than 1 GHz. 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.

10.3 MEASUREMENT SETUP



10.4 MEASUREMENT RESULT

Note:

- 1. The test data please reference to attachment "AGC11034230302FE07 Appendix Data"
- 2. No transmission signal is found in standby or receiving mode, and the default value is lower than the limit of 20dB, which is not recorded in this report.



Page 44 of 62

11. RADIATED SPURIOUS EMISSION

11.1 PROVISIONS APPLICABLE

(A) On any frequency outside a licensee's frequency block (e.g. A, D, B, etc.) within the USPCS spectrum, the power of any emission shall be attenuated below the transmitter power (P, in Watts) by at least 43+10Log(P) dB. The specification that emissions shall be attenuated below the transmitter power (P) by at least 43 + 10 log (P) dB, translates in the relevant power range (1 to 0.001 W) to -13 dBm.

At 1 W the specified minimum attenuation becomes 43 dB and relative to a 30 dBm (1 W) carrier becomes a limit of -13 dBm. At 0.001 W (0 dBm) the minimum attenuation is 13 dB, which again yields a limit of -13 dBm. In this way a translation of the specification from relative to absolute terms is carried out.

(B) For specific criteria, please refer to the description in section 10.2 of the report for corresponding evaluation.

11.2 MEASUREMENT PROCEDURE

- 1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- 7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
- 8.If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.



Page 45 of 62

- 9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.
- 11. For spurious emissions above 1GHz, a horn antenna is substituted in place of the EUT.

The substitute antenna is driven by a signal generator and the previously recorded signal was duplicated. The spurious emissions is calculated by the following formula;

Result(dBm) = Pg(dBm) + Factor(dB)

Factor(dB) = Ant Gain(dB)-Cable Loss(dB) + Power Splitter(dB) (Above 1GHz)

Factor(dB) = Ant Gain(dB)-Cable Loss(dB) (Below 1GHz)

Where: Pgis the generator output power into the substitution antenna.

If the fundalmatal frequency is below 1GHz, RF output power has been converted to EIRP.

EIRP(dBm) = ERP(dBm) + 2.15

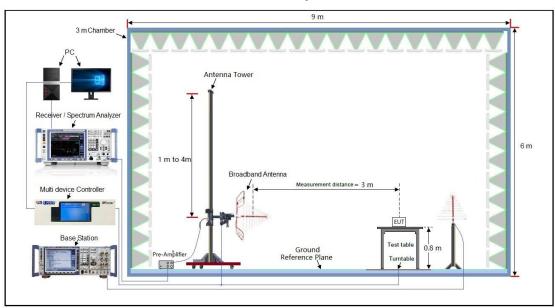
12. Examples of Factor parameters for testing radiation spurious:

Frequency Range(MHz)	Factor(dB)
30-500	6.18
500-1000	9.37
1000-1500	27.56
1500-2000	28.27
2000-3000	29.45
3000-5000	30.15
5000-10000	31.26
10000-15000	32.78
15000-20000	33.99
Above 20GHz	35.04

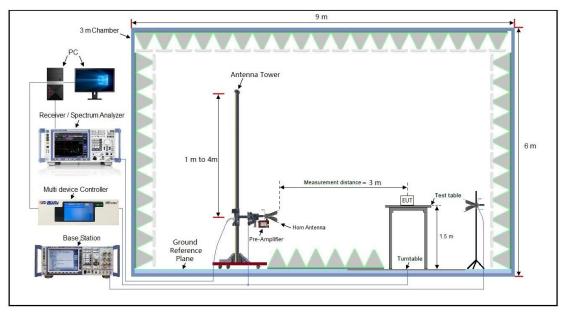


11.3 MEASUREMENT SETUP

Radiated Emissions 30MHz to 1GHz Test setup



Radiated Emissions Above 1GHz Test setup





Page 47 of 62

11.4 MEASUREMENT RESULT

LTE Band 2_TX Mode Low channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
5580	V	-41.26	-13	-28.26
3720	V	-40.01	-13	-27.01
695.5	V	-47.11	-13	-34.11
412.1	V	-49.05	-13	-36.05
5580	Н	-39.50	-13	-26.50
3720	Н	-40.91	-13	-27.91
678.3	Н	-47.65	-13	-34.65
452.1	Н	-49.22	-13	-36.22

Middle channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
5640	V	-40.19	-13	-27.19
3760	V	-38.92	-13	-25.92
885.1	V	-47.19	-13	-34.19
618.7	V	-48.49	-13	-35.49
5640	Н	-47.97	-13	-34.97
3760	Н	-41.22	-13	-28.22
851.3	Н	-43.84	-13	-30.84
732.5	Н	-48.05	-13	-35.05

High channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
5700	V	-40.56	-13	-27.56
3800	V	-40.82	-13	-27.82
664.5	V	-45.92	-13	-32.92
525.8	V	-45.73	-13	-32.73
5700	Н	-39.29	-13	-26.29
3800	Н	-38.41	-13	-25.41
669.8	Н	-47.16	-13	-34.16
574.4	Н	-47.17	-13	-34.17

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Report No.: AGC11034230302FE07 Page 48 of 62

LTE Band 4_TX Mode Low channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
5160	V	-38.66	-13	-25.66
3440	V	-39.48	-13	-26.48
745.5	V	-44.00	-13	-31.00
528.1	V	-46.76	-13	-33.76
5160	Н	-38.76	-13	-25.76
3440	Н	-39.42	-13	-26.42
520.5	Н	-46.25	-13	-33.25
395.8	Н	-43.61	-13	-30.61

Middle channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
5197.5	V	-37.86	-13	-24.86
3465	V	-37.82	-13	-24.82
669.4	V	-44.95	-13	-31.95
512.5	V	-47.32	-13	-34.32
5197.5	Н	-38.90	-13	-25.90
3465	Н	-39.06	-13	-26.06
569.4	Н	-46.17	-13	-33.17
469.3	Н	-45.42	-13	-32.42

High channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
5235	V	-38.38	-13	-25.38
3490	V	-39.40	-13	-26.40
711.1	V	-46.92	-13	-33.92
528.7	V	-46.72	-13	-33.72
5235	Н	-37.54	-13	-24.54
3490	Н	-38.37	-13	-25.37
612.5	Н	-45.36	-13	-32.36
553.9	Н	-45.26	-13	-32.26



Report No.: AGC11034230302FE07 Page 49 of 62

LTE Band 5_TX Mode
Low channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
2487	V	-40.22	-13	-27.22
1658	V	-41.61	-13	-28.61
512.2	V	-45.30	-13	-32.30
365.5	V	-45.88	-13	-32.88
2487	Н	-39.77	-13	-26.77
1658	Н	-39.38	-13	-26.38
521.1	Н	-44.22	-13	-31.22
336.5	Н	-43.86	-13	-30.86

Middle channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
2509.5	V	-42.12	-13	-29.12
1673	V	-41.56	-13	-28.56
725.8	V	-46.12	-13	-33.12
616.6	V	-46.19	-13	-33.19
2509.5	Н	-40.48	-13	-27.48
1673	Н	-41.17	-13	-28.17
705.5	Н	-44.65	-13	-31.65
558.9	Н	-44.95	-13	-31.95

High channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
2532	V	-39.87	-13	-26.87
1688	V	-39.25	-13	-26.25
648.3	V	-45.76	-13	-32.76
482.7	V	-45.85	-13	-32.85
2532	Н	-39.66	-13	-26.66
1688	Н	-40.56	-13	-27.56
785.6	Н	-45.04	-13	-32.04
615.7	Н	-47.39	-13	-34.39



Page 50 of 62

LTE Band 12_TX Mode Low channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
2112.0	V	-42.65	-13	-29.65
1408	V	-41.25	-13	-28.25
658.1	V	-50.04	-13	-37.04
516.9	V	-49.35	-13	-36.35
2112	Н	-41.22	-13	-28.22
1408	Н	-41.36	-13	-28.36
714.4	Н	-48.14	-13	-35.14
669.5	Н	-48.81	-13	-35.81

Middle channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
2122.5	V	-44.05	-13	-31.05
1415	V	-43.13	-13	-30.13
651.5	V	-47.72	-13	-34.72
512.7	V	-50.08	-13	-37.08
2122.5	Н	-42.68	-13	-29.68
1415	Н	-42.91	-13	-29.91
525.4	Н	-48.38	-13	-35.38
498.7	Н	-49.46	-13	-36.46

High channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
2133	V	-43.81	-13	-30.81
1422	V	-43.19	-13	-30.19
653.3	V	-46.38	-13	-33.38
592.7	V	-47.84	-13	-34.84
2133	Н	-43.44	-13	-30.44
1422	Н	-43.64	-13	-30.64
641.5	Н	-51.04	-13	-38.04
558.3	Н	-49.10	-13	-36.10



Report No.: AGC11034230302FE07 Page 51 of 62

LTE Band 13_TX Mode
Low channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
2338.5	V	-47.51	-13	-34.51
1559	V	-44.86	-13	-31.86
678.2	V	-47.77	-13	-34.77
423.6	V	-51.58	-13	-38.58
2338.5	Н	-44.82	-13	-31.82
1559	Н	-43.94	-13	-30.94
577.3	Н	-52.65	-13	-39.65
345.9	Н	-48.56	-13	-35.56

Middle channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
2346	V	-44.28	-13	-31.28
1564	V	-44.98	-13	-31.98
611.7	V	-51.02	-13	-38.02
444,8	V	-51.85	-13	-38.85
2346	Н	-43.23	-13	-30.23
1564	Н	-45.10	-13	-32.10
692.8	Н	-47.14	-13	-34.14
439.4	Н	-51.84	-13	-38.84

High channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
2353.5	V	-44.44	-13	-31.44
1569	V	-43.58	-13	-30.58
572.8	V	-48.34	-13	-35.34
309.9	V	-51.18	-13	-38.18
2353.5	Н	-43.33	-13	-30.33
1569	Н	-42.56	-13	-29.56
602.7	Н	-49.30	-13	-36.30
413.6	Н	-49.61	-13	-36.61



Report No.: AGC11034230302FE07 Page 52 of 62

LTE Band 14_TX Mode Low channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
2371.5	V	-45.23	-13	-32.23
1581	V	-46.22	-13	-33.22
577.9	V	-48.23	-13	-35.23
415.6.6	V	-50.32	-13	-37.32
2371.5	Н	-44.10	-13	-31.10
1581	Н	-44.74	-13	-31.74
699.2	Н	-51.38	-13	-38.38
514.7	Н	-48.50	-13	-35.50

Middle channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
2379	V	-45.65	-13	-32.65
1586	V	-45.80	-13	-32.80
611.7	V	-49.67	-13	-36.67
444,8	V	-51.84	-13	-38.84
2379	Н	-44.16	-13	-31.16
1586	Н	-44.50	-13	-31.50
692.8	Н	-48.15	-13	-35.15
439.4	Н	-52.72	-13	-39.72

High channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
2386.5	V	-45.59	-13	-32.59
1591	V	-44.78	-13	-31.78
572.8	V	-48.90	-13	-35.90
309.9	V	-51.13	-13	-38.13
2386.6	Н	-42.48	-13	-29.48
1591	Н	-43.44	-13	-30.44
602.7	Н	-50.71	-13	-37.71
413.6	Н	-49.59	-13	-36.59



Page 53 of 62

LTE Band 13_TX Mode (1559 MHz ~ 1610 MHz Wideband Band)

		•		,	
Operating Frequency (MHz)	Measured Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm/MHz)	Margin (dB)
779.5	1559	V	-44.40	-40	-4.40
782.0	1564	V	-45.59	-40	-5.59
784.5	1569	V	-43.53	-40	-3.53
779.5	1559	Н	-43.88	-40	-3.88
782.0	1564	Н	-45.42	-40	-5.42
784.5	1569	Н	-42.47	-40	-2.47

LTE Band 14_TX Mode (1559 MHz ~ 1610 MHz Wideband Band)

Operating Frequency (MHz)	Measured Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm/MHz)	Margin (dB)
790.5	1581	V	-46.61	-40	-6.61
793.0	1586	V	-44.91	-40	-4.91
795.5	1591	V	-45.17	-40	-5.17
790.5	1581	Н	-44.60	-40	-4.60
793.0	1586	Н	-43.80	-40	-3.80
795.5	1591	Н	-43.76	-40	-3.76

Note: The spurious emissions found in the frequency band 1559-1610MHz meet the stricter Wideband limits.



Report No.: AGC11034230302FE07 Page 54 of 62

LTE Band 66_TX Mode Low channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
5132.1	V	-47.03	-13	-34.03
3421.4	V	-44.49	-13	-31.49
698.3	V	-47.71	-13	-34.71
417.5	V	-51.52	-13	-38.52
5132.1	Н	-44.74	-13	-31.74
3421.4	Н	-43.78	-13	-30.78
504.9	Н	-52.28	-13	-39.28
431.9	Н	-48.55	-13	-35.55

Middle channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
5235	V	-42.66	-13	-29.66
3490	V	-41.71	-13	-28.71
578.2	V	-47.89	-13	-34.89
345.7	V	-48.94	-13	-35.94
5235	Н	-42.71	-13	-29.71
3490	Н	-41.60	-13	-28.60
634.8	Н	-46.84	-13	-33.84
412.9	Н	-50.15	-13	-37.15

High channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
5337.9	V	-42.11	-13	-29.11
3558.6	V	-40.37	-13	-27.37
752.6	V	-46.39	-13	-33.39
546.1	V	-49.22	-13	-36.22
5337.9	Н	-41.43	-13	-28.43
3558.6	Н	-41.46	-13	-28.46
687.3	Н	-47.75	-13	-34.75
436.6	Н	-46.89	-13	-33.89



Report No.: AGC11034230302FE07 Page 55 of 62

LTE Band 71_TX Mode Low channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
1996.5	V	-41.71	-13	-28.71
1331	V	-42.79	-13	-29.79
511.2	V	-45.41	-13	-32.41
375.4	V	-48.56	-13	-35.56
1996.5	Н	-42.26	-13	-29.26
1331	Н	-43.38	-13	-30.38
577.1	Н	-51.30	-13	-38.30
309.6	Н	-47.47	-13	-34.47

Middle channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
2041.5	V	-41.82	-13	-28.82
1361	V	-42.86	-13	-29.86
515.1	V	-49.02	-13	-36.02
345.7	V	-50.36	-13	-37.36
2041.5	Н	-42.64	-13	-29.64
1361	Н	-41.69	-13	-28.69
564.5	Н	-46.05	-13	-33.05
315.9	Н	-51.07	-13	-38.07

High channel

Frequency (MHz)	Polarity (H/V)	Emission Level (dBm)	Limit (dBm)	Margin (dB)
2086.5	V	-41.15	-13	-28.15
1391	V	-40.45	-13	-27.45
546.6	V	-46.95	-13	-33.95
345.1	V	-48.96	-13	-35.96
2086.5	Н	-41.59	-13	-28.59
1391	Н	-40.63	-13	-27.63
534.2	Н	-48.20	-13	-35.20
322.9	Н	-46.99	-13	-33.99



Page 56 of 62

Note: 1. Margin (dB) = Emission Level(dBm) -Limit(dBm)

Emission Level(dBm)= Measurement Reading(dBm)+Factor(dB)

Factor(dB) = ANT Gain -Cable Loss + Power Splitter

- 2. The test refers to the value of Factor, please refer to the results listed in the test method in this section of the report.
- 3. The radiated spurious emission has been tested with maximum bandwidth QPSK modulation, resource block size 1 and resource block offset 0.
- 4. Below 30MHz, no spurious emission was found, and only the worst mode data above 30MHz is recorded in the report.



Page 57 of 62

12. FREQUENCY STABILITY / VARIATION OF AMBIENT TEMPERATURE

12.1 PROVISIONS APPLICABLE

12.1.1 For Hand carried battery powered equipment

Frequency stability testing is performed in accordance with the guidelines of ANSI/TIA-603-E-2016. 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.
 - For Part 22, the frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5 ppm) of the center frequency. For Part 24 and Part 27, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

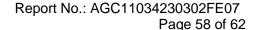
12.1.2 For equipment powered by primary supply voltage

- 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 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.

12.2 MEASUREMENT METHOD

In order to measure the carrier frequency under the condition of AFC lock, it is necessary to make measurements with the EUT in a "call mode". This is accomplished with the use of R&S CMW500 DIGITAL RADIO COMMUNICATION TESTER.

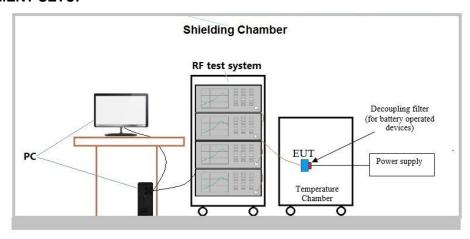
- 1 Measure the carrier frequency at room temperature.
- 2 Subject the EUT to overnight soak at -10°C. With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on channel 20175 for LTE band 4 measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
- Repeat the above measurements at 10° C increments from -30° C to $+50^{\circ}$ C. Allow at least 1 1/2 hours at each temperature, unpowered, before making measurements.
- 4 Re-measure carrier frequency at room temperature with nominal voltage. Vary supply voltage from minimum voltage to maximum voltage, in 0.1Volt increments re-measuring carrier frequency at each voltage. Pause at nominal voltage for 1 1/2 hours unpowered, to allow any self-heating to stabilize, before continuing.





- 5 Subject the EUT to overnight soak at +50°C.
- 6 With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on the centre channel, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
- 7 Repeat the above measurements at 10° C increments from +50°C to -30°C. Allow at least 1 1/2 hours at each temperature, unpowered, before making measurements.
- 8 At all temperature levels hold the temperature to +/- 0.5° during the measurement procedure.

12.3 MEASUREMENT SETUP



12.4 MEASUREMENT RESULT

Note: The test data please reference to attachment "AGC11034230302FE07_Appendix Data"



Page 59 of 62

13. OCCUPIED BANDWIDTH

13.1 PROVISIONS APPLICABLE

The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 % of the total mean power of a given emission. The EUT makes a call to the communication simulator.

The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.

The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth

13.2 MEASUREMENT METHOD

- 1. The signal analyzer's automatic bandwidth measurement capability was used to perform the 99% occupied bandwidth and the 26dB bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
- 2. RBW = 1 5% of the expected OBW
- 3. VBW \geq 3 x RBW
- 4. Detector = Peak
- 5. Trace mode = max hold
- 6. Sweep = auto couple
- 7. The trace was allowed to stabilize
- 8. If necessary, steps 2-7 were repeated after changing the RBW such that it would be within 1-5% of the 99% occupied bandwidth observed in Step 7

13.3 MEASUREMENT SETUP



13.4 MEASUREMENT RESULT

Note: The test data please reference to attachment "AGC11034230302FE07 Appendix Data"



Page 60 of 62

14. BAND EDGE

14.1 PROVISIONS APPLICABLE

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

14.2 MEASUREMENT METHOD

- 1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
- 2. Span was set large enough so as to capture all out of band emissions near the band edge
- 3. RBW > 1% of the emission bandwidth
- $4. VBW > 3 \times RBW$
- 5. Detector = RMS
- 6. Number of sweep points ≥ 2 x Span/RBW
- 7. Trace mode = trace average
- 8. Sweep time = auto couple
- 9. The trace was allowed to stabilize

TEST NOTE

§90.543(e)

- 1. On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than 76 + 10 log (P) dB in a 6.25 kHz band segment, for base and fixed stations.
- 2. On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations.
- 3. On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least 43 + 10 log (P) dB.
- 4. Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measure ment instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.
- 5. Compliance with the provisions of paragraph (e)(3) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater.

However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwid th of 30kHz may be employed.

§27.53(m)

Equipment shall comply with the following unwanted emission limits:

- a) for base station and fixed subscriber equipment, the power of any unwanted emissions measured as above shall be attenuated (in dB) below the transmitter power, P (dBW), by at least 43 + 10 log10 p
- b) for mobile subscriber equipment, the power of any unwanted emissions measured as above shall be attenuated (in dB) below the transmitter power, P (dBW), by at least:40 + 10 log10 p from the channel



Report No.: AGC11034230302FE07 Page 61 of 62

edges to 5 MHz away 43 + 10 log10 p between 5 MHz and X MHz from the channel edges, and 55 + 10 log10 p at X MHz and beyond from the channel edges In addition, the attenuation shall not be less than 43 + 10 log10 p on all frequencies between 2490.5 MHz and 2496 MHz, and 55 + 10 log10 p at or below 2490.5 MHz.

In (a) and (b), p is the transmitter power measured in watts and X is 6 MHz or the equipment occupied bandwidth, whichever is greater.

According to FCC 22.917, 24.238, 27.53 specified that power of any emission outside of The authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.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. All measurements were done at 2 channels(low and high operational frequency range.) The band edge measurement used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.

14.3 MEASUREMENT METHOD



14.4 MEASUREMENT RESULT

Note: The test data please reference to attachment "AGC11034230302FE07 Appendix Data"



Page 62 of 62

APPENDIX E PHOTOGRAPHS OF TEST SETUP

Refer to the Report No.: AGC11034230302AP02

APPENDIX F: PHOTOGRAPHS OF EUT

Refer to the Report No.: AGC11034230302AP03

----END OF REPORT----



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