

FCC Test Report

Report No.: AGC03175180502FE07

FCC ID : 2AF6M3396993S51

APPLICATION PURPOSE: Original Equipment

PRODUCT DESIGNATION: MOBILE PHONE

BRAND NAME : Cellacom

MODEL NAME : S51_lite, S51_pro

CLIENT: Mobile Commodity Corporation

DATE OF ISSUE : June 21, 2018

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

REPORT VERSION : V1.0

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

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Attestation of Global Compliance

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REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0		June 21, 2018	Valid	Original Report

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1.VERIFICATION OF COMPLIANCE

Applicant	Mobile Commodity Corporation
Address	20955 Pathfinder Road, Suite 200, Diamond Bar, CA 91765, USA
Manufacturer	Cellacom Incorporation
Address	20955 Pathfinder Road, Suite 100, Diamond Bar, CA 91765, USA
Product Designation	MOBILE PHONE
Brand Name	Cellacom
Test Model	S51_lite
Serial Model	S51_pro
Difference Description	All the same except the model name.
Date of test	May. 28, 2018~June 19, 2018
Deviation	None The state of
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 Part24 and 27.

The test results of this report relate only to the tested sample identified in this report.

Tested By	Nice.xie	The committee of the co
	Nice Xie(Xie xiaosong)	June 21, 2018
Reviewed By	Bore sie	
action of circles comme (8) Affectation of	Bart Xie(Xie Xiaobin)	June 21, 2018
Approved By	Foresto ei	
S State Conductor of the Conductor of th	Forrest Lei(Lei Yonggang) Authorized Officer	June 21, 2018

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2. GENERAL INFORMATION

2.1 PRODUCT DESCRIPTION

A major technical description of EUT is described as following:

Radio System Type:	LTE			
Hardware version:	L71_M_V3.0			
Software version:	S51_Lite_V1.0			
Frequency Bands:	□FDD Band 2 □FDD Band 4 □FDD Band 5 □FDD Band 7 □FDD Band 12 □FDD Band 25 □FDD Band 26 □TDD Band 41 (U.S. Bands) □FDD Band 1 □FDD Band 3 □FDD Band 7 □FDD Band 8 □FDD Band 20 □TDD Band 33 □TDD Band 34 □TDD Band 38 □FDD Band 40 □FDD Band 42 □FDD Band 43 (Non-U.S. Bands)			
GC GC	LTE Band 4 Transmission (TX): 1710 to 1754.9 MHz			
	Receiving (RX): 2110 to 2154.9 MHz			
超期 环境期	LTE Band 4			
Antenna:	PIFA Antenna			
Type of Modulation	QPSK/16QAM			
Antenna gain:	1.17dBi (LTE band 4)			
Diversity gain	1.13dBi (LTE band 4)			
Power Supply:	DC 3.8V by battery			
Dual Card:	GSM/WCDMA/LTE Card Slot			
Power Class	3 6 6			
Extreme Vol. Limits:	DC3.4V to 4.35 V (Normal: 3.8 V)			
Temperature range	-10℃ to +50℃			

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2.2 RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for **FCC ID: 2AF6M3396993S51**, filing to comply with the FCC Part 22, Part 24 and Pant 27 requirements

2.3 TEST METHODOLOGY

The radiated emission testing was performed according to the procedures of ANSI/TIA-603-E-2016, and FCC KDB 971168 D01 Power Means License Digital Systems v03.

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2.4 TEST FACILITY

Site	Attestation of Global Compliance (Shenzhen) Co., Ltd
Location	1-2F., Bldg.2, No.1-4, ChaxiSanwei Technical Industrial Park, Gushu, Xixiang, Bao'an District B112-B113, Bldg.12, BaoanBldg Materials Center, No.1 of Xixiang Inner Ring Road, Baoan District, Shenzhen 518012
NVLAP LAB CODE	600153-0
Designation Number	CN5028
Description	Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited by National Voluntary Laboratory Accreditation program, NVLAP Code 600153-0

ALL TEST EQUIPMENT LIST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESPI	101206	Jun.20, 2017	Jun.19, 2018
LISN	R&S	ESH2-Z5	100086	Aug.21, 2017	Aug.20, 2018
TEST RECEIVER	R&S	ESCI	10096	Jun.20, 2017	Jun.19, 2018
EXA Signal Analyzer	Aglient	N9010A	MY53470504	Dec.08, 2017	Dec.07, 2018
Horn antenna	SCHWARZBECK	BBHA 9170	#768	Sep.20, 2017	Sep.19, 2018
preamplifier	ChengYi	EMC184045SE	980508	Sep.15, 2017	Sep.14, 2018
Double-Ridged Waveguide Horn	ETS LINDGREN	3117	00034609	May.18, 2017	May.17, 2019
Broadband Preamplifier	SCHWARZBECK	BBV 9718	9718-205	Jun.20, 2017	Jun.19, 2018
ANTENNA	SCHWARZBECK	VULB9168	D69250	Sep.28, 2017	Sep.27, 2018
SIGNAL ANALYZER	Agilent	N9020A	MY52090123	Sep. 21, 2017	Sep. 20, 2018
USB Wideband Power Sensor	Agilent	U2021XA	MY54110007	Sep. 21, 2017	Sep. 20, 2018
Universal Radio Communication Tester	R&S	CMU200	120237	Mar.01,2018	Feb.28,2019
Universal Radio Communication Tester	Agilent	8960	GB46200384	July 16,2017	July 15,2018
Wireless communication test	R&S	CMW500	120909	July 13, 2017	July 12, 2018
Power Splitter	Agilent	11636A	34	Sep.21,2017	Sep.20,2018
Attenuator	JFW 5	50FHC-006-50	N/A	June 20, 2017	June 19, 2018

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2.5 SPECIAL ACCESSORIES

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

2.6 EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

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3. SYSTEM TEST CONFIGURATION

3.1 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.

3.2 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.

3.3 GENERAL TECHNICAL REQUIREMENTS

Item Number	Iten	FCC Rules		
® # Jalion of Gio	Output Power Conducted output power Radiated output power		- 2.1046/27.50(d)/ 27.50(c)	
CO N				
2	Peak-to-Average Ratio	Peak-to-Average Ratio	27.50(d)	
(a) 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Spurious Emission	Conducted spurious emission	2.1051 / 27.53(h)/ 27.53(g)	
		Radiated spurious emission	The templants of	
4	Frequency Stability	The Companies	2.1055/27.54	
5	Occupied Bandwidth	in day	2.1049 (h)(i)	
# ₃ 6 @ #	Band Edge	100	27.53(h)/ 27.53(g)	

Note: Testing was performed by configuring EUT to maximum output power status, the declared output power class for different.

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3.4 CONFIGURATION OF EUT SYSTEM

Fig. 2-1 Configuration of EUT System

Kindlance Kindlance	® Marting of the station of the stat	® State of Color
EUT		Accessory
aC F		

Table 2-1 Equipment Used in EUT System

Item	Equipment	Model No.	ID or Specification	Remark
1 8	MOBILE PHONE	S51_lite	2AF6M3396993S51	EUT
2	Battery	S51_lite	DC 3.8V/2000mAh	Accessory
3	Earphone	N/A	N/A	Accessory

^{***}Note: All the accessories have been used during the test. The following "EUT" in setup diagram means EUT system.

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4. SUMMARY OF TEST RESULTS

Item Number	Item Description		FCC Rules	Result	
Compliance (S)	# March	Conducted Output Power	0.4040/07.50(-1)/.07.50(-)	Pass	
GC ¹		Radiated Output Power	2.1046/27.50(d)/ 27.50(c)		
2	Peak-to-Average Ratio	Peak-to-Average Ratio	27.50(d)	Pass	
3	Spurious Emission -	Conducted Spurious Emission Radiated Spurious Emission	2.1051 / 27.53(h)/ 27.53(g)	Pass	
4	Frequency Stability	Spullous Emission	2.1055/27.54	Pass	
5	Occupied Bandwidth	:III	2.1049 (h)(i)	Pass	
6	Band Edge	The Completon	27.53(h)/ 27.53(g)	Pass	

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5. 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.

Test Mode	Test Modes Description
LTE LE	LTE system, QPSK modulation
ETE To do Comment	LTE system, 16QAM modulation

Test Mode	TX / RX	RF Channel					
rest wode	IA/RA	Low (B)	Middle (M)	High (T)			
® # chilor of Gio	TV (4, 404)	Channel 19957	Channel 20175	Channel 20393			
CC M	TX (1.4M)	1710.7 MHz	1732.5 MHz	1754.3 MHz			
	TV (014)	Channel 19965	Channel 20175	Channel 20385			
	TX (3M)	1711.5 MHz	1732.5 MHz	1753.5 MHz			
E juli	millione @ # million of Cit	Channel 19975	Channel 20175	Channel 20375			
Comit (Clobs)	TX (5M)	1712.5 MHz	1732.5 MHz	1752.5 MHz			
CC MINE	TV (4014)	Channel 20000	Channel 20175	Channel 20350			
O	TX (10M)	1715 MHz	1732.5 MHz	1750 MHz			
THE THE	(S)	Channel 20025	Channel 20175	Channel 20325			
Find Copy Con.	TX (15M)	1717.5 MHz	1732.5 MHz	1747.5 MHz			
Station .	TV (0014)	Channel 20050	Channel 20175	Channel 20300			
LTE Devid 4	TX (20M)	1720 MHz	1732.5 MHz	1745 MHz			
LTE Band 4	DV (4, 4M)	Channel 1957	Channel 2175	Channel 2393			
(a) The state of t	RX (1.4M)	2110.7 MHz	2132.5 MHz	2154.3 MHz			
- C Allestanto	DV (014)	Channel 1965	Channel 2175	Channel 2385			
	RX (3M)	2111.5 MHz	2132.5 MHz	2153.5 MHz			
	DV (FNA)	Channel 1975	Channel 2175	Channel 2375			
校 jin	RX (5M)	2112.5 MHz	2132.5 MHz	2152.5 MHz			
pal com	DV (40M)	Channel 2000	Channel 2175	Channel 2350			
	RX (10M)	2115 MHz	2132.5 MHz	2150 MHz			
	DV (4514)	Channel 2025	Channel 2175	Channel 2325			
Kampings Ally	RX (15M)	2117.5 MHz	2132.5 MHz	2147.5 MHz			
The stone of Clobal Co.	DV (20M)	Channel 2050	Channel 2175	Channel 2300			
Allestan	RX (20M)	2120 MHz	2132.5 MHz	2145 MHz			

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6. OUTPUT POWER

6.1 CONDUCTED OUTPUT POWER

6.1.1 MEASUREMENT METHOD

The EUT is coupled to the SS with attenuator through power splitter; the RF load attached to EUT antenna terminal is 50ohm, the path loss as the factor is calibrated to correct the reading. A system simulator was used to establish communication with the EUT, Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported. The measurements were performed on all modes at 3 typical channels (the Top Channel, the Middle Channel and the Bottom Channel) for each band.

6.1.2 MEASUREMENT RESULT

	Conducted Output Power L	imits
Mode	Average Power	Tolerance(dB)
CLTE	23 dBm (0.2W)	± 2.7

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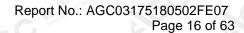


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ITF Band 4

Estation of Gior		(G)		LTE Band 4		The Milance	E Walance
BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
Comb	T Compile	Attes		Allestan 1	0	0	22.72
(C) ### 1500	(Glops)			1	49	0	22.30
Alfestation				1 1	99	0	22.08
			QPSK	50	0	TI Compliance	21.15
·		TIM Simpliance		50	25	3000	21.62
EK al Complian	N.			50	49	1	21.32
ation of Globa	© 50050	4700 0		100	0	1	21.29
esta	20050	1720.0		1	0	1	21.37
				.1	49	1 1	21.18
	little -	-38		117	99	(1 # F	21.24
	FK Kil phiance	TK KEL	16QAM	50	0	2	20.11
® # "	of Global	of Global Co	® A sion	50	25	2	20.15
Allestalle		Affestation,	Allestan	50	49	2	20.23
	60			100	0	2	20.22
			litte	1	0	0	22.96
				13h Compi	49	0	21.96
	AST SILL	0 - 4		© # 1010 00000	99	0	21.07
TO Market	2 FA Compile	(B) Milestali	QPSK	50	0	1	20.11
	don of Giv		α. σ.τ	50	25	1	20.14
				50	49	1 - 30	20.37
	20175	1732.5	1	100	0	© 1 atalion of all	20.93
20MHz			- 3	18 4	0	G 1	21.50
The Compliance	- F	apal Compilar		_ 1 Attes	49	1	20.56
Tof Global C	® Atalion of			(01	99	1	20.26
tation.	C Attes		16QAM	50	0	1 2	19.56
				50	25	2	19.47
	litte:	JZ.		50	49	2	19.31
	K Kimpliance	天下 100	upliance ®	100	0	2	19.86
0 = 4	Global	The sation of work	-60	1. (6)	0	0	22.37
Attestation		Attest		1	49	0	22.15
		1		1	99	0	22.30
		11172	QPSK	50	0	22 Total Column	20.59
711	1	E mpliance	The Compliance	50	25	and station of 1	20.18
St nauce	F A Globs	® 1962		50	49	1	20.71
Compile	00000	477.7		100	0	1	20.55
	20300	1745.0		1	0	<u> </u>	21.03
				1	49	hpliano 1	21.56
		. 17		1010	99	1 % 10100	21.66
玉	M	The Kill	16QAM	50	0	2	19.58
The Missing	®	Thom of Glops	® And a statio	50	25	2	19.47
Tation of Glove	- C	Attesta		50	49		19.72
Attes	- G			100	0	2	19.51

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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
T FILL	100	0 5	F of Global	F Color	0	0	22.08
Compliance	TK Compliance	Altes	alion (B)	The station 1	37	0	22.19
@ # F	of Global C	60		1	74	0	22.23
Artestallo			QPSK	36	0	1 :11	21.25
-,0			QI OIX	36	16	IK 1 El philoros	21.53
	Ŋ	litte:	# 3	36	35	F or God	21.32
A KEL	20025	4747.5	Attestation C	75	0	1	21.25
Finor Global	20025	1717.5		C1	0	1	21.34
Attestation	Attestation			1	37	. 1	21.41
~ (3)				1	74	² 1 <	21.53
	-1111	-5	16QAM	36	0	2	20.20
	TK Compliance	杨	ance	36	16	2	20.19
(R) ##	on of Cloball ©	Attestation of Global Comp.	® ## 1100	36	35	2	20.24
Altestal			Allesta	75	0	2	20.19
60	S			1	0	0	22.28
			lin:	1 🦚	37	3/ O	22.56
			KET Misuce	15 Kinglian	74	on of O	21.21
LIJE:	AND AND	2	QPSK	36	0	1	20.15
mpliance	That Complian	® Mariesta	on of	36	16	1	20.57
8	ation of Glob		- G	36	35	1	20.56
4500	00475	1732.5		75	0	1 36	21.00
15MHz	20175		16QAM	KEL Marico 1	0	(8) All allon of Give	21.58
litte:				obal Command	37		21.47
Kinglian				Attestant	74	1	20.55
The Of Global Co.	® The allon of			36	0	2	19.69
estation	Allesto			36	16	<u></u>	19.87
				36	35	indiance 2	19.53
	11172	. 15	-AMI	75	0	2	19.95
	Kil mollance	1/ NO	mpliar. ®	Station of 1	0	0	21.65
- 4	AV.	S A chion of Globa	a.C	1 (37	0	21.52
Attestatio		Altesta		1	74	0	22.42
			QPSK	36	0	1 7	20.88
		litir:	MF 71	36	16	TI Compile	20.79
and a	× ×	Kil milance	The Compliance	36	35 🥯 🛊	and the state of t	20.96
1/2 m	20325	1747.5	Front Global	75	0	1	20.67
Compile	20325	1/4/.5	85 ¹⁰⁻		0	1	20.80
	1		ì	1	37	1	20.49
				1	74	hance 1	21.70
		, Per	16QAM	36	O ciobald	2	19.96
NZ.	ATTIN	到 (con	liano Z	36	16	2	19.88
· 大	300	(a) The standard Coloral Co	® ## Statio	36	35	2	19.96
The salion of Glou.		Altesta	E.G. All	75	0	2	19.64

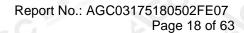
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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
- 1/10/	liji:	0 - 5	F of Global C	# 5001 CO	0	0	21.88
	CK KET milliance	Alles		The station of 1	24	0	21.93
	of Global Co			1	49	0	22.05
			QPSK	25	0	1 :1	21.53
				25	12	The 1st propier	21.34
	\			25	25	S of Glory	21.29
TK Kinglian	00000	4745.0		50	0	1	21.20
	20000	1715.0		~ (U1"	0	1	21.11
	Attestation			9 1	24	1	21.42
				1	49	1	21.39
	litte:	-6	16QAM	25	0	2	20.21
	TK Kil plance	下板!		25	12	2	20.19
	Vol. Clopal Cov.,	F. Global Conn		25	25	2	20.24
		attestation of		50	0	2	20.15
				1	0	0	22.36
				1 30	24	Th 0	22.25
		1732.5		lines I Complem	49	0	21.19
	THE SAME		QPSK 16QAM	25	- 0	1	20.48
Compliance	The Acompliant			25	12	1	20.69
	20175			25	25	1	20.71
Alles				50	0	1 1	21.04
10MHz				及 第 1	0	® # 1 Jun of Char	21.69
				1 = 4	24	1	20.77
	1			Allestator	49	1	20.51
	® # Honor	lops,		25	0	2	19.67
	Allestan			25	12	2	19.58
				25	25	2	19.69
	-1117			50	0 (0000)	2	19.98
	- Kil allence	5/ NO	mpilare	tation of all	0	0	21.59
	Elopal Court	The Global		1	24	0	22.20
		Attestation		1	49	0	22.32
			QPSK	25	0	1, 1	21.25
		-m	Allij:	25	12	The company	21.23
		Films		25	25 4	1	21.27
	00070	Comp		50	0	1	20.93
	20350	1750.0	15 p. 01.	1	0	1	20.85
		GU		1	24	1	20.16
				1	49	1	21.71
	,	The The State of t	16QAM	25	0	2	20.26
	ince		jance . C St livi	25	12	2	20.18
				25	25	2	20.21
		Attestation		50	0	2	19.94

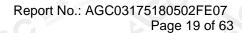
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BW (MHz)	Ch	Freq.	Mode	UL RB	UL RB	MPR	Average power
DVV (IVII IZ)	On	(MHz)	Mode	Allocation	Offset	IVIIIX	(dBm)
A 1911	Till Till	(R) ####	on of Global C	4 300°1	0	0	22.51
	K Kil Compliance	Altest		estano 1	12	0	22.47
	of Globa			1	24	0	22.35
			QPSK	12	0	14 m	21.36
	6	-1111		12	6	3A Global 7	21.55
	· 1	The supplier		12	11	1	21.41
	19975	1712.5		25	0	1	21.24
	19975	1712.3		1	0	1	21.82
				1	12	1 1	21.58
	() () () () () () () () () ()	W. All		程 The 1 ®	24	® # Station of Ch	21.74
	Clopal Comp.	The Complie	16QAM	12	0	2	20.12
	(C)	tiestation of C		12	6	2	20.32
	60			12	11	2	20.51
				25	0	2	20.22
	lib:		The Compliance	The Compile	0	0	22.49
	The Manual Process	® ##		Mastation of 1	12	0	22.41
	For of Global Co	Altesta		1	24	0	22.24
			QPSK	12	0	1 1	21.02
5MHz				12	6	® # Ton of Globa	21.06
)	AND THE		12	11	Atte 1	21.11
	20175	1732.5	B Attestation of	25	0	1	21.19
SIVIFIZ	20173	1732.5		1	0	1	21.90
	O '			1 :10	12	1	21.59
				The Tompliance	24	1 8 4	21.71
	Kill Dilance	不怕	16QAM	12	0	2	20.18
	Relopar Cour.	The salion of Global		12	6	2	20.15
	a.C	Alleste		12	11	2	20.22
				25	0	2	20.14
		- AM		1 5	0	0	22.41
	Th.	Compliance		® 1 station of C	12	0	22.43
	® Station of Gibb	Alle		- C 1	24	0	22.47
	All	60	QPSK	12	0	1	21.45
				12	6	1 🖠	21.44
	anl	** *** *** *** *** *** *** *** *** ***		12	4 11	® A tallon of C	21.50
	20375	1752.5	- F	25	0	(1)	21.44
	20373	1732.3	Artestano Artestano	10	0	1	21.40
	-60			1	12	17	21.61
				1 , 1	24	Thomas of	21.41
	litte		16QAM	12	0	2	20.41
	The Kill Marce	® ##		12	6	2	20.16
	Figure 1 Global Co.	C Miles		12	11	2	20.53
	Janus			25	0	2	20.40

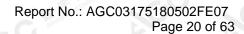
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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
-5111			The Compile	The Compliant	0	0	22.47
	KET Juliance	® ###		a station of Co. 1	7	0	22.54
	Clopal Coun.			1	14	0	22.37
			QPSK	8	0	1 👊	21.06
				8	4	EN 1 Compliance	21.11
	8	A TIME		8	7 ® @	Station of Giral	21.60
	19965	1711.5	Altestan	15	0	1	21.60
	19965			1	0	1	21.75
	J Ame			1	7	1	21.53
	liji:	4		1 1	14	1 4	21.66
	The Compliance	()	16QAM	8	0	2	20.34
	of Global C	F TO Global Co.		8	4	2	20.19
		Attestalio.		8	7	2	20.60
	CO			15	0	2	20.53
		-0	ALS: FILL	1 极	0	not clobal O	22.37
	THE TANK			- F 1	7 August	22.15	
	The Compliance			1	14	0	22.45
	on of Glov		QPSK	8	0	1	21.52
CO MILE				- 8	4	1 3	21.44
		1117-		3 Sangliance 8	51, 30 7	(C) A station on	21.60
	00475	5 1732.5		15	0	1	21.55
3MHz	20175		Attes	1	0	1	21.67
	Alfestation		16QAM	1	7	-mil 1	21.50
				1,5	14	npliance 1	21.73
	-700	×12		8	0 d	2	20.58
	K Compilance	The state of		Restation 8	4	2	20.17
	Glops, (6	The station of Give		8	7	2	20.63
	C ₁ C	p.u-		15	0	2	20.53
			lin:	1	0	O Complian	22.32
		EL allance		1 4	7 ®	0	22.08
	F Globa	County.		1 Marketalian Of	14	0	22.36
	Attestation of		QPSK	8	0	1	21.39
	1 3			8	4	1	21.43
				- 8	77	1 4	21.48
				15	0	1 Attestation	21.43
	20385	1753.5	® # jation	1 C	0	1	21.65
		Attestation,		1	7	1 -	21.55
	CO			1	14	T mplance	21.68
			16QAM	8	0	2	20.22
	-1111		The Recompliant	8	4	2	20.18
	The Compliance	® 3		8	7	2	20.47
	illou of Glops,	C AMOS		15	0	2	20.40

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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
- FILL		® Elec	Foot Global	- F 1001	0	0	23.14
	K KEL compilance	Alles		attestation 1	2	0	23.13
	Glove	G		1	5	0	23.09
			QPSK	3	0	0	22.81
		E Allance		3	bal Compilar 1	0	22.74
				3	2	0	22.98
	19957	1710.7	0	6	0	1	21.97
	19957	1710.7		1	0	1	22.27
				1	2	1	22.24
	HEL JUNE	No. of		Manual 1	5	® 1	22.28
	. Global Comp.	The Comple	16QAM	3	0	1	22.12
	® 4	Hestation of C.		3	1	1	22.15
	CO			3	2		22.01
				6	0	2	20.86
	litie		The Compliance	The Compiler	0	0	22.94
	The Williams	® ##		S Station 1	2	0	22.75
	ou of Glopal Co	Allesto		1	5	0	22.81
		9	QPSK	3	0	0	22.35
1.4MHz				3	CK 1 100°	® 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.29
		75 1732.5		3	A Clobal 2	0	22.78
	20175		Attestation 2	6	0	1	21.71
				1	0	1	22.26
			16QAM	1 700	2	1	22.16
				TK 1 Compliance	5	1 @	22.20
	KET Mance	永 梅		3	0	1	21.54
	Clopal Court	The collaboration of Global S		3	1	1	21.49
	-C	Attesta		3	2	1	21.64
				6	. 0	2	20.69
		- 701l	KET Mance	1 2	A Complia	0	22.86
	私	Compliance		12 gg galanon d	2	0	22.69
	3 The of Glove	(C) AN		C1 "	5	0	22.38
	1	GU	QPSK	3	0	0	22.33
				3	1、核	0	22.37
		<u>মূর্</u>		3	2 Global	0	22.41
	20393	1754.3	0 = 3	300 de C	0	- 1	21.46
	20383	1734.3	Allestano	10	0	1	21.59
	- CO			1	2	1 7	21.62
				1 , 1	5	E That Tompin	21.60
	7111		16QAM	3 handomun	0	stuton of 1	21.32
Compliance (8) Aug	TK KEL PAS	® 450		3	(1)	1 (21.28
	For of Global Co.	C Alles		3	2	1	21.46
				6	0	2	20.58

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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	ion Channel bandwidth / Transmission bandwidth configuration [RB]								
CC imm	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	ties don of Global Committees		
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

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6.2 RADIATED OUTPUT POWER 6.2.1 MEASUREMENT METHOD

The measurements procedures specified in ANSI/TIA-603-E-2016 were applied.

- In an anechoic antenna test chamber, a half-wave dipole antenna for the frequency band of interest is placed at the reference centre of the chamber. An RF Signal source for the frequency band of interest is connected to the dipole with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A known (measured) power (Pin) is applied to the input of the dipole, and the power received (Pr) at the chamber's probe antenna is recorded.
- The substitution method is used. Substitution values at each frequency are measured before and saved to the test software. A "reference path loss" is established as ARpl=Pin + 2.15 - Pr. The ARpl is the attenuation of "reference path loss", and including the gain of receive antenna, the cable loss and the air loss. The measurement results are obtained as described below: Power=PMea+ARpI
- The EUT is substituted for the dipole at the reference centre of the chamber and a scan is performed to obtain the radiation pattern.
- From the radiation pattern, the co-ordinates where the maximum antenna gain occurs are identified.
- The EUT is then put into continuously transmitting mode at its maximum power level.
- Power mode measurements are performed with the receiving antenna placed at the coordinates determined in Step 3 to determine the output power as defined in Rule 27.50(d)(4). The "reference path loss" from Step1 is added to this result.
- This value is EIRP since the measurement is calibrated using a half-wave dipole antenna of known gain (2.15 dBi) and known input power (Pin).
- ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP -2.15dBi..

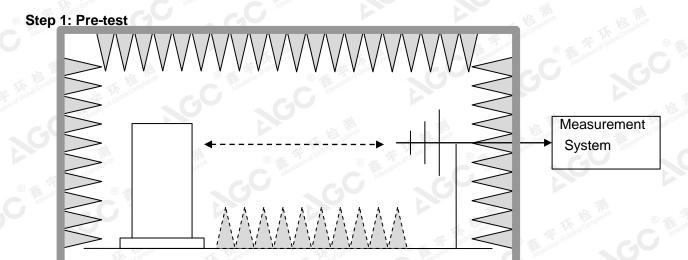
Test Setup

NOTE: Effective radiated power (ERP) refers to the radiation power output of the EUT, assuming all emissions are radiated from half-wave dipole antennas.

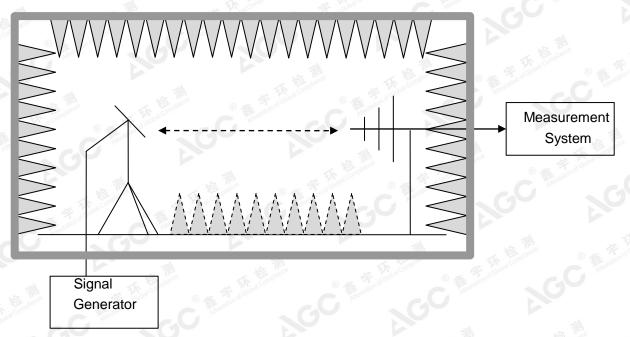
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Step 2: Substitution method to verify the maximum ERP



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6.2.2 PROVISIONS APPLICABLE

This is the test for the maximum radiated power from the EUT. Rule Part 24.232(c) specifies, "Mobile/portable stations are limited to 2 watts e.i.r.p.

70	Mode	Nominal Peak Power
Ī	LTE Band 4	<=30dBm (1W)

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6.2.3 MEASUREMENT RESULT

EIRP for LTE Band 4

			162	mpilane	Kil ollande	Bill Station	(C) 48%	ation	Attestau
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	19.96	V	7.95	0.79	27.12	30
1732.5	1.4	QPSK	1/0	19.78	V Compliance	7.95	0.79	26.94	30
1754.3	1.4	QPSK	1/0	20.14	V	7.95	0.79	27.30	30
1710.7	1.4	QPSK	1/0	19.32	H	7.95	0.79	26.48	30
1732.5	1.4	QPSK	1/0	18.39	H	7.95	0.79	25.55	30
1754.3	1.4	QPSK	1/0	18.10	H	7.95	0.79	25.26	30
1710.7	1.4	16-QAM	1/5	19.05	V _E	7.95	0.79	26.21	30
1732.5	1.4	16-QAM	1/0	20.53		7.95	0.79	27.69	30
1754.3	1.4	16-QAM	1/0	17.84	V	7.95	0.79	25.00	30
1710.7	1.4	16-QAM	1/5	17.94	H	7.95	0.79	25.10	30
1732.5	1.4	16-QAM	1/0	18.56	Complete H	7.95	0.79	25.72	30
1754.3	1.4	16-QAM	1/0	19.74	Н	7.95	0.79	26.90	30
1711.5	3	QPSK	1/0	17.28	V	7.95	0.79	24.44	30
1732.5	3	QPSK	1/0	18.10	V	7.95	0.79	25.26	30
1753.5	3	QPSK	1/0	20.72	V	7.95	0.79	27.88	30
1711.5	3	QPSK	1/0	18.43	# H	7.95	0.79	25.59	30
1732.5	8 3 Tong G	QPSK	1/0	18.36	Н	7.95	0.79	25.52	30
1753.5	3	QPSK	1/0	16.79	H F	7.95	0.79	23.95	30
1711.5	3	16-QAM	1/0	18.39	V V	7.95	0.79	25.55	30
1732.5	3	16-QAM	1/0	18.27	V	7.95	0.79	25.43	30
1753.5	The Cooling ®	16-QAM	1/0	19.14	V	7.95	0.79	26.30	30
1711.5	3	16-QAM	1/0	18.57	Н	7.95	0.79	25.73	30
1732.5	3	16-QAM	1/0	21.62	H海测	7.95	0.79	28.78	30
1753.5	3	16-QAM	1/0	19.76	Harcon's	7.95	0.79	26.92	30
1712.5	5 Jacobal	QPSK	1/0	19.23	V	7.95	0.79	26.39	30
1732.5	5	QPSK	1/0	20.87	V	7.95	0.79	28.03	30
1752.5	5	QPSK	1/24	18.41	V	7.95	0.79	25.57	30
1712.5	5	QPSK	1/0	20.12	H	7.95	0.79	27.28	30
1732.5	5	QPSK	1/0	17.71	H allostation	7.95	0.79	24.87	30
1752.5	5	QPSK	1/24	18.12	Н	7.95	0.79	25.28	30
1712.5	5	16-QAM	1/0	18.61	V	7.95	0.79	25.77	30
1732.5	5	16-QAM	1/0	16.70	V	7.95	0.79	23.86	30
1752.5	5	16-QAM	1/24	16.78	3100pst Cons	7.95	0.79	23.94	30
1712.5	1 5 minus	16-QAM	1/0	17.67	н	7.95	0.79	24.83	30
1732.5	estation of 5	16-QAM	1/0	15.96	Ĥ	7.95	0.79	23.12	30

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1752.5	5	16-QAM	1/24	18.33	Н	7.95	0.79	25.49	30
1715	10	QPSK	1/0	19.25	** V	7.95	0.79	26.41	30
1732.5	10	QPSK	1/49	16.56	V _	7.95	0.79	23.72	30
1750	10	QPSK	1/0	16.87	V	7.95	0.79	24.03	30
1715	10	QPSK	1/0	18.94	Н	7.95	0.79	26.10	30
1732.5	10	QPSK	1/49	18.69	H, W	7.95	0.79	25.85	30
1750	10	QPSK	1/0	18.12	# TH COMP	7.95	0.79	25.28	30
1715	10	16-QAM	1/0	18.86	Allestation V	7.95	0.79	26.02	30
1732.5	910	16-QAM	1/49	17.78	V	7.95	0.79	24.94	30
1750	10	16-QAM	1/0	17.19	V	7.95	0.79	24.35	30
1715	10	16-QAM	1/0	18.34	H	7.95	0.79	25.5	30
1732.5	10	16-QAM	1/49	18.86	Hallastation	7.95	0.79	26.02	30
1750	10 %	16-QAM	1/0	19.26	Н	7.95	0.79	26.42	30
1717.5	15	QPSK	1/0	11.14	V	7.95	0.79	18.30	30
1732.5	15	QPSK	1/74	11.24	V	7.95	0.79	18.40	30
1747.5	15	QPSK	1/0	9.59	V	7.95	0.79	16.75	30
1717.5	15	QPSK	1/0	11.49	Н	7.95	0.79	18.65	30
1732.5	15	QPSK	1/74	11.56	H	7.95	0.79	18.72	30
1747.5	15	QPSK	1/0	11.10	H®	7.95	0.79	18.26	30
1717.5	15	16-QAM	1/0	12.02	V Santage	7.95	0.79	19.18	30
1732.5	15	16-QAM	1/74	9.65	V	7.95	0.79	16.81	30
1747.5	15	16-QAM	1/0	11.17	V	7.95	0.79	18.33	30
1717.5	15	16-QAM	1/0	8.94	₩ H	7.95	0.79	16.10	30
1732.5	15	16-QAM	1/74	11.54	H H	7.95	0.79	18.70	30
1747.5	15	16-QAM	1/0	10.84	H.	7.95	0.79	18.00	30
1720	20	QPSK	1/99	10.90	V	7.95	0.79	18.06	30
1732.5	20	QPSK	1/99	11.69	V	7.95	0.79	18.85	30
1745	20	QPSK	1/0	12.07	V	7.95	0.79	19.23	30
1720	20	QPSK	1/99	10.53	© H	7.95	0.79	17.69	30
1732.5	20	QPSK	1/99	10.89	H	7.95	0.79	18.05	30
1745	20	QPSK	1/0	12.37	Н	7.95	0.79	19.53	30
1720	20	16-QAM	1/99	10.02	V	7.95	0.79	17.18	30
1732.5	<u>20</u>	16-QAM	1/99	11.12	V	7.95	0.79	18.28	30
1745	20 💿	16-QAM	1/0	10.57	N V	7.95	0.79	17.73	30
1720	20	16-QAM	1/99	12.05	Н	7.95	0.79	19.21	30
1732.5	20	16-QAM	1/99	10.30	THE STATE OF	7.95	0.79	17.46	30
1745	20	16-QAM	1/0	11.14	The something H	7.95	0.79	18.30	30

Note: Above is the worst mode data.

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6.3. PEAK-TO-AVERAGE RATIO

6.3.1 MEASUREMENT METHOD

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB. The PAPR measurements should be made using either an instrument with complementary cumulative distribution function (CCDF) capabilities to determine that PAPR will not exceed 13 dB for more than 0.1 percent of the time or other Commission approved procedure. The measurement must be performed using a signal corresponding to the highest PAPR expected during periods of continuous transmission.

According to KDB 971168 D01v03 - Section 5.7:

- a)Refer to instrument's analyzer instruction manual for details on how to use the power statistics /CCDF function;
- b) Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
- c) Set the number of counts to a value that stabilizes the measured CCDF curve;
- d) Set the measurement interval to 1 ms
- e) Record the maximum PAPR level associated with a probability of 0.1%

6.3.2 PROVISIONS APPLICABLE

This is the test for the Peak-to-Average Ratio from the EUT.

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

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MEASUREMENT RESULT 6.3.3

LTE Band 4 **Channel Bandwidth: 1.4 MHz**

			Channel	Bandwidth: 1.4 MHz		
Modulation	Channal	RB Configuration		Peak-to-Average Ratio	Limit	Verdic
Modulation	Channel	Size	Offset	(dB)	(dB)	verdic
- /检	sucs *i	1	® 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.60	<13	PASS
The of Global Comb	F K Good	1	3	3.48	<13	PASS
Allestation	(R) Attestation of	1	5	3.88	<13	PASS
(G)	LCH	3	0	3.59	<13	PASS
	THE Mance	3	2	3.45	<13	PASS
0 00	E of Glopal Comp.	3	3	3.99	<13	PASS
Allest	(g) 43	6	0	4.90	<13	M PASS
Q _O	100	1	0	3.85	<13	PASS
		1	3	4.11 _@	<13	PASS
	1437 "auco	1 4	Nobal Comme	4.07	<13	PASS
QPSK	MCH	3	0	4.06	<13	PASS
(B) Alle	Station of	3	2	4.08	<13	PASS
CO		3	3	4.14	<13	PASS
:10		6	O Thomas	4.74	<13	PASS
The Kill Complia	THE STATE OF THE S	Jar Company	0	3.71	<13	PASS
	Affect all on O	10	3	3.54	<13	PASS
,		1	5	3.68	<13	PASS
	HCH	3	0	3.45	<13	PASS
20		3	2	3.46	<13	PASS
® ## state		3	3	3.81	<13	PASS
		6	0	4.59	<13	PASS
		1 1	0	4.67	<13	PASS
	环点	Smpllance 1	3	4.26	<13	PASS
obal Compliance	(S) Attestation of Gio.	1 Altesta	5	4.81	<13	PASS
.0	LCH	3	0	4.58	<13	PASS
		3	2	4.66	<13	PASS
100 4 8 4	ing:	3	3	4.94	<13	PASS
16QAM	ipliance ® 4	6	0	5.73	<13	PASS
Attestation of Gin	C.C	1	0	4.92	<13	PASS
		1	3	4.32	<13	PASS
	MCH	1	5	4.85	<13	PASS
KE plane	The Compliance	3	0	5.01	<13	PASS
al Conv	ation of Global	3	2	4.58	<13	PASS

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The station of Global	100	3	3	5.02	<13	PASS
Attes		6	0	5.82	<13	PASS
lill;	lin:	1 #	SA Commo	4.59	<13	PASS
Ka Compliance	The Compliance	1 30 station	3	4.26	<13	PASS
	h of Globa	0 1	5	4.61	<13	PASS
	HCH	3	0	4.33	<13	PASS
	<u>jul</u>	<u>3</u> 3	2	4.25	<13	PASS
TY AST	机	Impliance 3	3	4.52	<13	PASS
3) The station of Give	® Francisco of Globa	6	0	5.44	<13	PASS

Channel Bandwidth: 3 MHz

			Channel	Bandwidth: 3 MHz		
Modulation	Channel	RB Conf	figuration Offset	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		1	0	3.66	<13	PASS
	THE MANOR	1. 4	7 0 4	3.56	<13	PASS
bal Compliance	F of Global Company	1 Allestatus	14	3.82	<13	PASS
Alle	LCH	8	0	4.25	<13	PASS
GO		8	4	4.33	<13	PASS
J. F	A	8	7 Jacobal Co	4.82	<13	PASS
The Market Compile	O THE STORES	15	0	4.83	<13	PASS
Attestation of G.	Allestana	1	0	3.88	<13	PASS
		1	7	4.02	<13	PASS
	ALL THE	1 极	14	4.04	<13	PASS
QPSK	MCH	8	0	4.51	<13	PASS
® Allestati	nord.	8	4	4.17	<13	PASS
GU		8	7	4.84	<13	PASS
	3.1	15	0	4.84	<13	PASS
THE STATE OF	T. Good	1 3	o Carolina O	3.64	<13	PASS
K Compilar	® Attestation of A	1 Allesta	7	3.52	<13	PASS
		1	14	3.58	<13	PASS
	HCH	8 :1	0	4.44	<13	PASS
1650.	-JIII-	8	4	4.28	<13	PASS
F Global Co	iblia.	8	7	4.52	<13	PASS
R Attestation of C	- GC	15	0	4.61	<13	PASS
		1	0	4.64	<13	PASS
400 4 14	LOU	1	x 7	4.28	<13	PASS
16QAM	LCH	9 Station	14	4.74	<13	PASS
Nobal Co.	estation of Globa	8	0	4.69	<13	PASS

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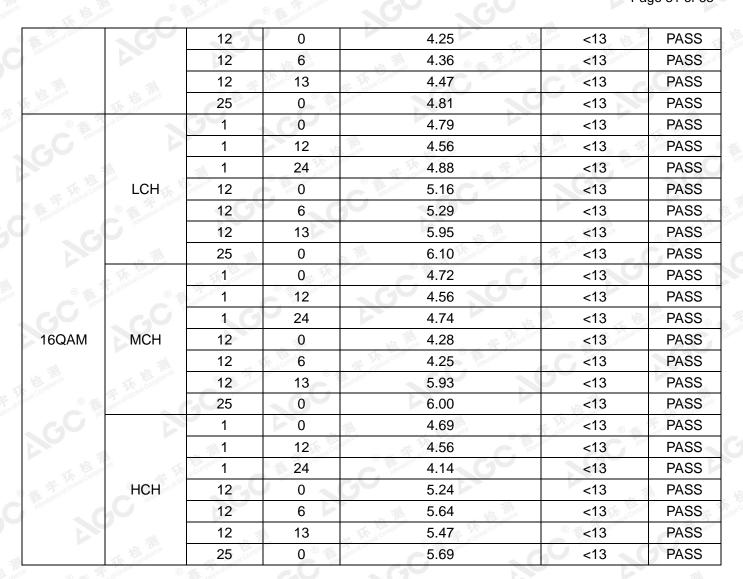
The station of Glove	100	8	4	4.58	<13	PASS
		8	7	5.54	<13	PASS
	liti:	15	Colonal Collins	5.74	<13	PASS
	The Compliance	1 Milestation	0	4.85	<13	PASS
	aryn of Globa.	1 .	7	4.28	<13	PASS
		1	14	4.87	<13	PASS
	MCH	<u>****</u> 8	0	5.13	<13	PASS
	The street of th	Indiana 8	4	5.69	<13	PASS
	® ## of Globb	8	7	5.66	<13	PASS
		15	0	5.74	<13	PASS
		1 1	0	4.50	<13	PASS
	The Action of th	TV1 KEL DATE	7, 5	4.32	<13	PASS
	S &	estation of 1	14	4.64	<13	PASS
	HCH	8	0	5.15	<13	PASS
		8	4	5.19	<13	PASS
	- 37111	8	K Marcon 7	5.35	<13	PASS
	The Compliance	15	0	5.48	<13	PASS

Channel Bandwidth: 5 MHz

			Channel	Bandwidth: 5 MHz		
Modulation	Channel	RB Confi	iguration Offset	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		1	0	3.91	<13	PASS
	MF FILM	1 极*	12	3.96	<13	PASS
	The Compliant	Tobal Com	24	3.67	<13	PASS
	LCH	12	0	5.11	<13	PASS
		12	6	5.08	<13	PASS
	3.1	12	13	5.09	<13	PASS
	其 Kilobal	25	o O	5.23	<13	PASS
	Nile station of	Alleste	0	3.67	<13	PASS
QPSK		1	12	3.52	<13	PASS
		1 :1	24	3.98	<13	PASS
	MCH	12	0 3	3.53	<13	PASS
	(S) option	12	6	4.15	<13	PASS
	CO	12	13	5.07	<13	PASS
		25	0	5.22	<13	PASS
	LILE:	1	v 0	3.74	<13	PASS
	HCH	1 % station	12	3.53	<13	PASS
	station of Globs	3 1 1	24	3.56	<13	PASS

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Channel Bandwidth: 10 MHz

			Channel	Bandwidth: 20 MHz		
Modulation	Channel	RB Confi	guration	Peak-to-Average Ratio	Limit	Verdict
Modulation	Channel	Size	Offset	[dB]	[dB]	verdict
		1	0	4.26	<13	PASS
	-111	1 1 1	49	4.35	<13	PASS
	Opposes - Mars	4 1 1 a com	99	4.22	<13	PASS
	LCH	50	0	4.59	<13	PASS
QPSK	100	50	25	4.66	<13	PASS
		50	50	4.93	<13	PASS
	17 July	100	Global Com	5.04	<13	PASS
	MCH	1 3000	0	4.14	<13	PASS
		1	49	4.79	<13	PASS

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The station of Global Co	100	109	99	4.84	<13	PASS
		50	0	5.13	<13	PASS
	litte:	50	25	5.11	<13	PASS
A Compliance	The Compliance	50	50	5.21	<13	PASS
	N of Glopal	100	0	5.03	<13	PASS
		1	0	4.33	<13	PASS
	: [4]	:1111 1	49	4.03	<13	PASS
	Janes Th	impliance 1	99	3.84	<13	PASS
	HCH	50	0	4.69	<13	PASS
	G AMOUNT	50	25	4.52	<13	PASS
	litte:	50 🔬	50	4.75	<13	PASS
	The KEL manance	100	0	4.94	<13	PASS
® %	R A	estation of Glo	0	5.32	<13	PASS
	CO F	1 (49	5.21	<13	PASS
		1	99	5.04	<13	PASS
	LCH	50	0	5.49	<13	PASS
	The Compliance	50	25	5.77	<13	PASS
	halion of Globe	50	50	5.81	<13	PASS
		100	0	5.88	<13	PASS
		:111 1	0 1	4.93	<13	PASS
	"	Tomplance 1	49	4.86	<13	PASS
	® The station of Glo	16,0	99	5.46	<13	PASS
16QAM	MCH	50	0	5.46	<13	PASS
	-citi	50	25	5.48	<13	PASS
	Kinglance The	50	50	6.06	<13	PASS
	Wot Clopalco	100	0	5.91	<13	PASS
	60	1	0	5.57	<13	PASS
		-mil 1	49	5.39	<13	PASS
	TA NO	Impliance 1	99	4.79	<13	PASS
	HCH	50	0	5.36	<13	PASS
	G Allesta	50	25	5.46	<13	PASS
		50	50	5.65	<13	PASS
		100	0	5.81	<13	PASS

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Channel Bandwidth: 15 MHz

Altes			Charra al I	Dondwidth, 45 MH	Z ZY down	- 埃
		DD 0 (Bandwidth: 15 MHz	F * . * .	
Modulation	Channel	RB Conf Size	iguration Offset	Peak-to-Average Ratio	Limit	Verdict
₩ ₩	m-	-77	Oliset 0	[dB]	[dB]	DACC
Attest		1		4.04	<13	PASS
		1	37	4.12	<13	PASS
T. 拉	inco	1	74	4.04	<13	PASS
Figure 1 Globs	LCH	37	0	4.87	<13	PASS
Allo		37	18	4.69	<13	PASS
		37	38	4.79	<13	PASS
	The alcoholiance	75	0	5.30	<13	PASS
® ##		# 3/14 1 CON	© 0 3000 of Clobs	3.94	<13	PASS
		1	37	3.58	<13	PASS
		1	74	4.73	<13	PASS
QPSK	MCH	37	0	4.25	<13	PASS
(1) 100°		37	18	4.36	<13	PASS
el Compili		37	38	5.27	<13	PASS
	3100	75	0	5.34	<13	PASS
		1	0	4.46	<13	PASS
		12000年	37	4.15	<13	PASS
F. Global Compile		1 1	74	3.65	<13	PASS
Attestation of	HCH	37	0	4.59	<13	PASS
		37	18	4.64	<13	PASS
	The tomplere	37	38	4.83	<13	PASS
le de		75	0	5.42	<13	PASS
(B) Attestati		Allestano 1	0	5.09	<13	PASS
GU		1	37	4.33	<13	PASS
		1 1	74	4.77	<13	PASS
ALL THE	LCH	37	of Global O	5.11	<13	PASS
The Compliant		37	18	5.15	<13	PASS
< G		37	38	5.67	<13	PASS
160 114		75	0	6.08	<13	PASS
16QAM	- Till	TI KE Compliano	0 1	4.18	<13	PASS
The Total Co.		A station of Cloud	37	4.36	<13	PASS
® Attestation of G		1 0	74	5.58	<13	PASS
	MCH	37	0	6.14	<13	PASS
		37	18	6.11	<13	PASS
HE Marco		37	38	6.12	<13	PASS
Nopal Count		75	0	6.07	<13	PASS

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The station of Glove	100	10	0	5.54	<13	PASS
		1	37	5.39	<13	PASS
	TIME:	1 4	74	4.66	<13	PASS
	HCH	37	0	5.65	<13	PASS
© And hot Glob	n of Globa.	37	18	5.42	<13	PASS
		37	38	5.74	<13	PASS
	胍	75	0 3/1	6.13	<13	PASS

Channel Bandwidth: 20 MHz

			Channel	Bandwidth: 20 MHz		
Modulation	Channal	RB Configuration		Peak-to-Average Ratio	Limit	\
Modulation	Channel	Size	Offset	[dB]	[dB]	Verdict
60	60	1.0	0	3.83	<13	PASS
		1	49	4.12	<13	PASS
	(107:	1 4	99	4.27	<13	PASS
	LCH	50	0	4.25	<13	PASS
	tation of Globa	50	25	4.33	<13	PASS
		50	50	4.73	<13	PASS
		100	0	5.12	<13	PASS
	· Th	Compilance 1	0	4.01	<13	PASS
	® Station of Gir	1.00	49	4.21	<13	PASS
	C ATTO	1	99	4.92	<13	PASS
QPSK	MCH	50	0	5.26	<13	PASS
	Kill Juliance	50	25	5.33	<13	PASS
	Vol. Clopsy Co.,	50	50	5.35	<13	PASS
	a CaC	100	0	5.18	<13	PASS
		1	0,00	4.73	<13	PASS
	K 1	impliance 1	49	4.12	<13	PASS
	® # Jon of Global	19 3	99	4.01	<13	PASS
	HCH	50	0	5.21	<13	PASS
		50	25	5.13	<13	PASS
	-011	50	50		<13	PASS
	bijauce Min	100	© O mon of Glor	5.55	<13	PASS
(S) A John of Global		Autestation 1	0	5.16	<13	PASS
	G	1	49	5.31	<13	PASS
16001	1.011	1	99	5.14	<13	PASS
16QAM	LCH	50	Colored Commo	5.69	<13	PASS
	The Compile	50	25	5.24	<13	PASS
	estation	50	50	5.74	<13	PASS

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The station of Glove	100	100	0	6.02	<13	PASS
		1	0	4.88	<13	PASS
	liti:	1 %	49	5.46	<13	PASS
	The Compliance	1 Mestalion	99	5.96	<13	PASS
	MCH	50	0	6.15	<13	PASS
		50	25	6.21	<13	PASS
		50	50	6.19	<13	PASS
	ance K	100	0	6.07	<13	PASS
	® # station of Give	10	0	5.46	<13	PASS
	G AND	1	49	5.11	<13	PASS
	AUG: AL	1 -111	99	4.76	<13	PASS
	HCH	50	0	5.64	<13	PASS
	Non of Gin	50	25	5.42	<13	PASS
	a GO	50	50	5.89	<13	PASS
		100	0	6.24	<13	PASS

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