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Report Template Version: V03 Report Template Revision Date: Mar.1st, 2017

# **Test Report**

Report No.: CQASZ20190500014EX-09

**Applicant:** Speedata Group Ltd

**Address of Applicant:** Room 2-308, building No. 25, No. 9 Anningzhuang Road West, Haidian district,

Beijing, China

Manufacturer: Speedata Group Ltd

Address of Room 2-308, building No. 25, No. 9 Anningzhuang Road West, Haidian district,

Manufacturer: Beijing, China

**Equipment Under Test (EUT): Product:** PDA Test Model No.: **SD60** 

All Model No.: SD60, SD35, T35, PG35, SD55, T55, SD55LG, SD55MD, SD55UHF, SD55PTT,

T55UHF, T55PPT, PG55, T60, SD60LG, SD60RT, SD60PRT, T60RT, Bio60,

SD50, SN50, SD50RT, T50, PG50

**Brand Name:** N/A

FCC ID: 2AJO5SD60

Standards: 47 CFR Part 2

47 CFR Part 27

Date of Test: Mar. 26, 2019 to Aug. 07, 2019

Date of Issue: Aug. 07, 2019

Test Result: PASS\*

Tested By: (Daisy Qin)

Reviewed By:

Aaron Ma )

Approved By: ( Jack Ai)

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CQA, this report can't be reproduced except in full.

<sup>\*</sup> In the configuration tested, the EUT complied with the standards specified above.



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# 1 Version

# **Revision History Of Report**

Report No.	Version	Description	Issue Date
CQASZ20190500014EX-09	Rev.01	Initial report	Aug. 07, 2019



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#### 2 SUMMARY

#### 2.1 TEST STANDARDS

The tests were performed according to following standards:

FCC Part 27: MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES

**EIA/TIA-603-E:** Land Mobile FM or PM Communications Equipment Measurement and Performance

Standards.

FCC Part 2: FREQUENCY ALLOCA-TIONS AND RADIO TREATY MAT-TERS; GENERAL RULES AND

**REG-ULATIONS** 

KDB971168 D01:v02r02 MEASUREMENT GUIDANCE FOR CERTIFICATION OF LICENSED DIGITAL

**TRANSMITTERS** 

#### 2.2 Test Description

Test Item	Section in CFR 47	Result
RF Output Power	Part 2.1046 Part 27.50	Pass
Peak-to-Average Ratio	Part 27.50	Pass
99% & -26 dB Occupied Bandwidth	Part 2.1049	Pass
99% & -26 db Occupied Bandwidth	Part 27.53	Pass
Field Strength of Spurious Radiation	Part 2.1053	Pass
Tield Strength of Spurious (Vadiation	Part 27.53(m)	r ass
Out of band emission, Emission Mask	Part 2.1051	Pass
Out of barid emission, Emission wask	Part 27.53(m)(4)	
Frequency stability	Part 2.1055	Pass
	Part 27.54	

#### 2.3 Test Location

#### Shenzhen Huaxia Testing Technology Co., Ltd.,

1F., Block A of Tongsheng Technology Building, Huahui Road, Dalang Street, Longhua District, Shenzhen, China



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#### 2.4 Test Facility

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

#### • CNAS (No. CNAS L5785)

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

#### A2LA (Certificate No. 4742.01)

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4742.01.

#### • FCC Registration No.: 522263

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No.:522263

#### 2.5 Statement of the measurement uncertainty

No.	Item	Uncertainty	Notes
1	Radiated Emission (Below 1GHz)	±5.12dB	(1)
2	Radiated Emission (Above 1GHz)	±4.60dB	(1)
3	Conducted Disturbance (0.15~30MHz)	±3.34dB	(1)
4	Radio Frequency	3×10-8	(1)
5	Duty cycle	0.6 %.	(1)
6	Occupied Bandwidth	1.1%	(1)
7	RF conducted power	0.86dB	(1)
8	RF power density	0.74	(1)
9	Conducted Spurious emissions	0.86dB	(1)
10	Temperature test	0.8℃	(1)
11	Humidity test	2.0%	(1)
12	Supply voltages	0.5 %.	(1)
13	time	0.6 %.	(1)
14	Frequency Error	5.5 Hz	(1)

<sup>(1)</sup>This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



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# 2.6 Test Equipment

			Instrument	Calibration	Calibration
Test Equipment	Manufacturer	Model No.	No.	Date	Due Date
EMI Test Receiver	R&S	ESR7	CQA-005	2018/9/26	2019/9/25
Spectrum analyzer	R&S	FSU26	CQA-038	2018/10/28	2019/10/27
		AFS4-			
		00010300-18-		2018/9/26	2019/9/25
Preamplifier	MITEQ	10P-4	CQA-035		
		AMF-6D-			
		02001800-29-		2018/11/2	2019/11/1
Preamplifier	MITEQ	20P	CQA-036		
Loop antenna	Schwarzbeck	FMZB1516	CQA-087	2018/10/28	2020/10/27
Bilog Antenna	R&S	HL562	CQA-011	2018/9/26	2020/9/25
Horn Antenna	R&S	HF906	CQA-012	2018/9/26	2020/9/25
Horn Antenna	Schwarzbeck	BBHA 9170	CQA-088	2018/9/26	2020/9/25
Coaxial Cable (Above					
1GHz)	CQA	N/A	C019	2018/9/26	2019/9/25
Coaxial Cable (Below					
1GHz)	CQA	N/A	C020	2018/9/26	2019/9/25
Antenna Connector	CQA	RFC-01	CQA-080	2018/9/26	2019/9/25
RF					
cable(9KHz~40GHz)	CQA	RF-01	CQA-079	2018/9/26	2019/9/25
Spectrum analyzer	Agilent	E4440A	CQA-103	2018/10/28	2019/10/27
Universal Radio					
Communication Tester	Rohde & Schwarz	CMW500	CQA-022	2018/9/26	2019/9/25
		PWD-2533-			
Power divider	MIDWEST	02-SMA-79	CQA-067	2018/9/26	2019/9/25
H & T Chamber	Auchno	OJN-9606	CQA-CB2	2018/9/26	2019/9/25



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## **3 GENERAL INFORMATION**

## 3.1 Client Information

Applicant:	Speedata Group Ltd
Address of Applicant:	1F Zhiyuan Building, NO.28, ShangDi 6th Street HaiDian District, Beijing, China
Manufacturer:	Speedata Group Ltd
Address of Manufacturer:	1F Zhiyuan Building, NO.28, ShangDi 6th Street HaiDian District, Beijing, China

#### 3.2 Environmental conditions

Environment Parameter	Selected Values During Tests		
Relative Humidity	52%		
Atmospheric Pressure:	1001mbar		
Temperature	TN	25 °C	
	VL	3.5V	
Voltage :	VN	4.2V	
	VH	4.5V	

NOTE: VL= lower extreme test voltage

VN= nominal voltage

VH= upper extreme test voltage TN= normal temperature

## 3.3 General Description of EUT

Product Name:	PDA
All Model No.:	SD60, SD35, T35, PG35, SD55, T55, SD55LG, SD55MD, SD55UHF, SD55PTT, T55UHF, T55PPT, PG55, T60, SD60LG, SD60RT, SD60PRT, T60RT, Bio60, SD50, SN50, SD50RT, T50, PG50
Test Model No.:	SD60
Trade Mark:	N/A
Hardware Version:	8.1.0
Software Version:	V.SD60.2.1.20.2019041909
Product Type:	☑ Mobile ☐ Portable ☐ Fix Location
Antenna Type:	Monopole antenna
Antenna Gain:	-4.1dBi.
EUT Power Supply:	DC 3.8V from Battery
	Model: A138A-120150U-US2
Adapter Information:	Input: 100-240V-50/60Hz, 0.5A
	Output: 5V 2.5A/ 9V 2A/ 12V 1.5A



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Note: 1. This report is only for FDD-LTE Band7.

- 2. For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- 3. There are many products, Only the model SD60 was tested, since the electrical circuit design, layout, components used and internal wiring were identical for the above models, with difference being color of appearance and model name.

## 3.4 Technical Specification

Characteristics	Description		
Radio System Type	☐ GSM ☐ UMTS ☒ LTE		
Supported Frequency Range	LTE BAND7	Uplink: 2500 to 2570 MHz	
Supported Frequency Range	LIE BAND!	Downlink: 2620 to 2690 MHz	
Power Class	Class 3		
Supported Channel Bandwidth	LTE BAND7		
Designation of Emissions (Note: the necessary bandwidth of which is the worst value from the measured occupied bandwidths for each type of channel bandwidth configuration.)	LTE BAND7:	5M QPSK modulation 5MHz 16QAM modulation 10M QPSK modulation 10MHz 16QAM modulation 15M QPSK modulation 15MHz 16QAM modulation 20M QPSK modulation 20MHz 16QAM modulation	

#### 3.5 Test Mode

Test Mode	Test Modes Description	
FDD-LTE	FDD-LTE system, QPSK modulation	
PDD-LTE	FDD-LTE system, 16QAM modulation	

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



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## **4 TEST CONDITIONS AND RESULTS**

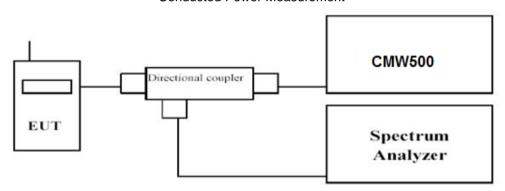
#### 4.1 Output Power

#### LIMIT

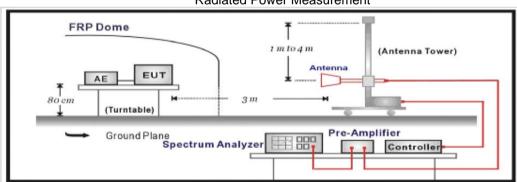
≤1 watt EIRP.

#### **TEST CONFIGURATION**

#### **Conducted Power Measurement**



#### Radiated Power Measurement



#### **TEST PROCEDURE**

The EUT was setup according to EIA/TIA 603E

#### **Conducted Power Measurement:**

- a) Place the EUT on a bench and set it in transmitting mode.
- b) Connect a low loss RF cable from the antenna port to a spectrum analyzer and CMW500 by a Directional Couple.
- c) EUT Communicate with CMW500 then selects a channel for testing.
- d) Add a correction factor to the display of spectrum, and then test.

#### **Radiated Power Measurement:**



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- a) The EUT shall be placed at the specified height on a support, and in the position closest to normal use as declared by provider.
- b) The test antenna shall be oriented initially for vertical polarization and shall be chosen to correspond to thefrequency of the transmitter
- c) The output of the test antenna shall be connected to the measuring receiver.
- d) The transmitter shall be switched on and the measuring receiver shall be tuned to the frequency of the transmitter under test.
- e) The test antenna shall be raised and lowered through the specified range of height until a maximum signal level is detected by the measuring receiver.
- f) The transmitter shall then be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver.
- g) The test antenna shall be raised and lowered again through the specified range of height until a maximum signal level is detected by the measuring receiver.
- h) The maximum signal level detected by the measuring receiver shall be noted.
- i) The transmitter shall be replaced by a substitution antenna.
- The substitution antenna shall be orientated for vertical polarization and the length of the substitution antenna shall be adjusted to correspond to the frequency of the transmitter.
- k) The substitution antenna shall be connected to a calibrated signal generator.
- I) If necessary, the input attenuator setting of the measuring receiver shall be adjusted in order to increase the sensitivity of the measuring receiver.
- m) The test antenna shall be raised and lowered through the specified range of height to ensure that the maximum signal is received.
- n) The input signal to the substitution antenna shall be adjusted to the level that produces a level detected by the measuring receiver, that is equal to the level noted while the transmitter radiated power was measured, corrected for the change of input attenuator setting of the measuring receiver.
- o) The measurement shall be repeated with the test antenna and the substitution antenna orientated for horizontal polarization.
- p) The measure of the effective radiated power is the larger of the two levels recorded at the input to the substitution antenna, corrected for gain of the substitution antenna if necessary.
- a) Test site anechoic chamber refer to ANSI C63.4.

#### **TEST RESULTS**

#### **Conducted Measurement:**

LTE FDD Band 7				
TX Channel	Frequency	DD 0: /0" /	Average Po	ower [dBm]
Bandwidth	(MHz)	RB Size/Offset	QPSK	16QAM
		1 RB low	22.86	22.13
	2502.5	1 RB high	22.36	21.87
		50% RB mid	21.63	21.01
		100% RB	21.98	21.29
5 MHz	2535	1 RB low	22.65	21.90
		1 RB high	23.33	22.75
-		50% RB mid	22.44	22.05
		100% RB	22.52	21.67
	2567.5	1 RB low	22.99	22.21



		1 RB high	22.70	22.34
		50% RB mid	21.55	21.19
		100% RB	21.81	21.20
		1 RB low	21.80	21.09
	2505	1 RB high	23.28	22.75
	2505	50% RB mid	21.95	21.53
		100% RB	21.92	21.27
		1 RB low	22.50	21.77
40 MHz	2525	1 RB high	21.50	21.04
10 MHz	2535	50% RB mid	22.64	22.14
		100% RB	22.94	22.50
		1 RB low	23.21	22.49
	0505	1 RB high	22.55	21.72
	2565	50% RB mid	22.77	22.28
		100% RB	21.95	21.57
	2507.5	1 RB low	22.34	21.75
		1 RB high	21.62	21.02
		50% RB mid	22.44	21.62
		100% RB	21.92	21.55
		1 RB low	21.75	21.20
45.001	2535	1 RB high	21.78	20.99
15 MHz		50% RB mid	23.11	22.56
		100% RB	22.02	21.39
		1 RB low	23.14	22.73
	0500.5	1 RB high	21.64	21.14
	2562.5	50% RB mid	23.45	23.03
		100% RB	22.39	22.00
		1 RB low	23.15	22.66
	0540	1 RB high	21.79	21.38
20 MHz	2510	50% RB mid	21.67	21.21
		100% RB	22.87	22.15
		1 RB low	22.58	22.05
	0505	1 RB high	22.58	22.22
	2535	50% RB mid	22.60	22.06
		100% RB	23.16	22.46



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	1 RB low	23.02	22.20
	1 RB high	22.58	21.83
2560	50% RB mid	22.63	21.83
	100% RB	22.31	21.86

#### **Radiated Measurement:**

#### Remark:

- 1. We were tested all RB Configuration refer 3GPP TS136 521 for each Channel Bandwidth of LTE FDD Band 2; recorded worst case for each Channel Bandwidth of LTE FDD Band 7.
- 2.  $EIRP=P_{Mea}(dBm)-P_{cl}(dB)+P_{Ag}(dB)+G_a(dBi)$

#### LTE FDD Band 7\_Channel Bandwidth 5MHz\_QPSK

Frequency (MHz)	PMea (dBm)	Pcl (dB)	Ga Antenna Gain(dB)	PAg (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2502.5	-19.93	3.06	9.68	34.8	21.49	30	8.51	V
2535	-18.75	3.17	9.68	34.8	22.56	30	7.44	V
2567.5	-20.01	3.22	9.75	34.8	21.32	30	8.68	V

#### LTE FDD Band 7 Channel Bandwidth 10MHz QPSK

	112 1 DD Barra 1_Griatinior Barrawata 10111112_q1 Gr									
Frequency (MHz)	PMea (dBm)	Pcl (dB)	Ga Antenna Gain(dB)	PAg (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization		
2505	-19.96	3.06	9.68	34.8	21.46	30	8.54	V		
2535	-18.15	3.17	9.68	34.8	23.16	30	6.84	V		
2565	-18.76	3.22	9.75	34.8	22.57	30	7.43	V		

#### LTE FDD Band 7\_Channel Bandwidth 15MHz\_QPSK

Frequency (MHz)	PMea (dBm)	Pcl (dB)	Ga Antenna Gain(dB)	PAg (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2507.5	-19.96	3.06	9.68	34.8	21.46	30	8.54	V
2535	-18.44	3.17	9.68	34.8	22.87	30	7.13	V
2562.5	-20.02	3.22	9.75	34.8	21.31	30	8.69	V



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LTE FDD Band 7\_Channel Bandwidth 20MHz\_QPSK

Frequency (MHz)	PMea (dBm)	Pcl (dB)	Ga Antenna Gain(dBi)	PAg (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2510	-19.85	3.06	9.68	34.8	21.57	30	8.43	V
2535	-17.86	3.17	9.68	34.8	23.45	30	6.55	V
2560	-19.30	3.22	9.75	34.8	22.03	30	7.97	V

#### LTE FDD Band 7\_Channel Bandwidth 5MHz\_16QAM

Frequency (MHz)	PMea (dBm)	Pcl (dB)	Ga Antenna Gain(dBi)	PAg (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2502.5	-20.74	3.06	9.68	34.8	20.68	30	9.32	V
2535	-19.75	3.17	9.68	34.8	21.56	30	8.44	V
2567.5	-20.82	3.22	9.75	34.8	20.51	30	9.49	V

## LTE FDD Band 7\_Channel Bandwidth 10MHz\_16QAM

Frequency (MHz)	PMea (dBm)	Pcl (dB)	Ga Antenna Gain(dBi)	PAg (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2505	-20.95	3.06	9.68	34.8	20.47	30	9.53	V
2535	-19.52	3.17	9.68	34.8	21.79	30	8.21	V
2565	-21.10	3.22	9.75	34.8	20.23	30	9.77	V

## LTE FDD Band 7\_Channel Bandwidth 15MHz\_16QAM

Frequency (MHz)	PMea (dBm)	Pcl (dB)	Ga Antenna Gain(dBi)	PAg (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2507.5	-21.10	3.06	9.68	34.8	20.32	30	9.68	V
2535	-20.41	3.17	9.68	34.8	20.90	30	9.10	V
2562.5	-21.79	3.22	9.75	34.8	19.54	30	10.46	V



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## LTE FDD Band 7\_Channel Bandwidth 20MHz\_16QAM

Frequency (MHz)	PMea (dBm)	Pcl (dB)	Ga Antenna Gain(dBi)	PAg (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2510	-20.99	3.06	9.68	34.8	20.43	30	9.57	V
2535	-19.99	3.17	9.68	34.8	21.32	30	8.68	V
2560	-21.06	3.22	9.75	34.8	20.27	30	9.73	V



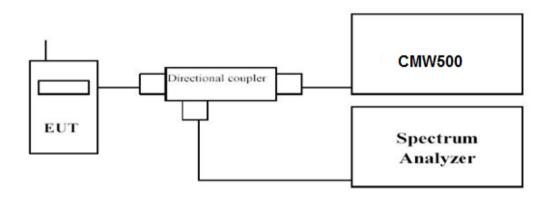
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## 4.2 Peak-to-Average Ratio (PAR)

#### **LIMIT**

The Peak-to-Average Ratio (PAR) of the transmission may not exceed 13 dB.

#### **TEST CONFIGURATION**



#### **TEST PROCEDURE**

- 1. Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;
- 2. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
- 3. Set the number of counts to a value that stabilizes the measured CCDF curve;
- 4. Set the measurement interval as follows:
  - 1). for continuous transmissions, set to 1 ms,
  - 2). for 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.
- 5. Record the maximum PAPR level associated with a probability of 0.1%.



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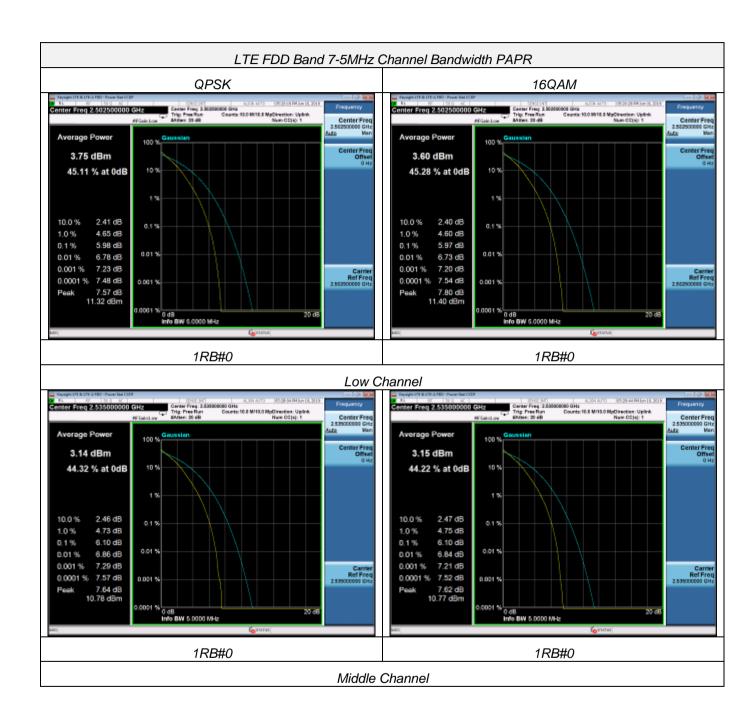
#### **TEST RESULTS**

#### Remark:

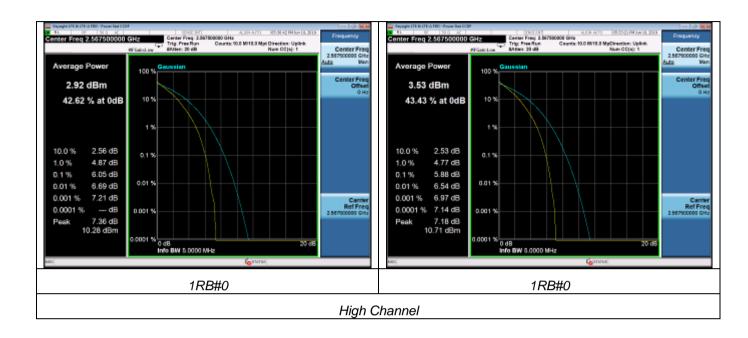
We were tested all RB Configuration refer 3GPP TS136 521 for each Channel Bandwidth of LTE FDD Band 7; recorded worst case for each Channel Bandwidth of LTE FDD Band 7.

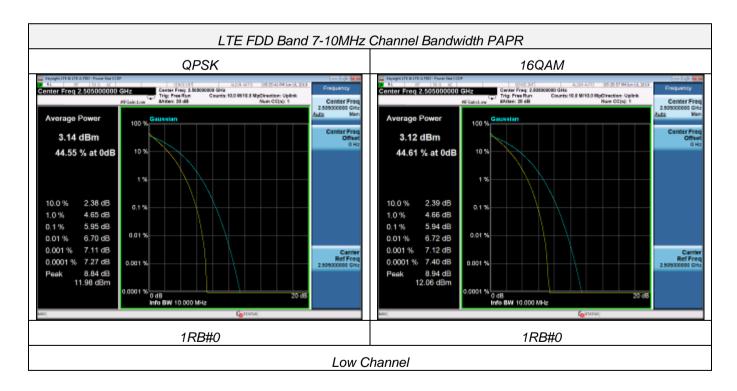
Dana 1,100	LTE FDD Band 7									
TX Channel	Frequency		PAPR (dB)							
Bandwidth	(MHz)	RB Size/Offset	QPSK	16QAM						
	2502.5		5.98	5.97						
5 MHz	2535	1RB#0	6.10	6.10						
	2567.5		6.05	5.88						
	2505		5.95	5.94						
10 MHz	2535	1RB#0	5.96	5.97						
	2565		5.84	5.84						
	2507.5		5.53	5.51						
15 MHz	2535	1RB#0	5.68	5.70						
	2562.5		5.64	5.64						
	2510		9.34	9.75						
20 MHz	2535	1RB#0	7.16	9.29						
	2560		9.47	9.05						



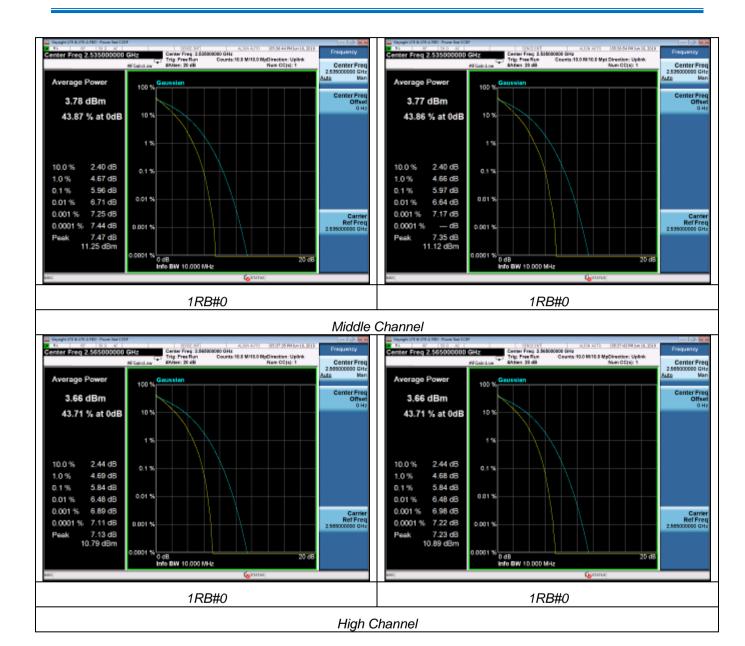




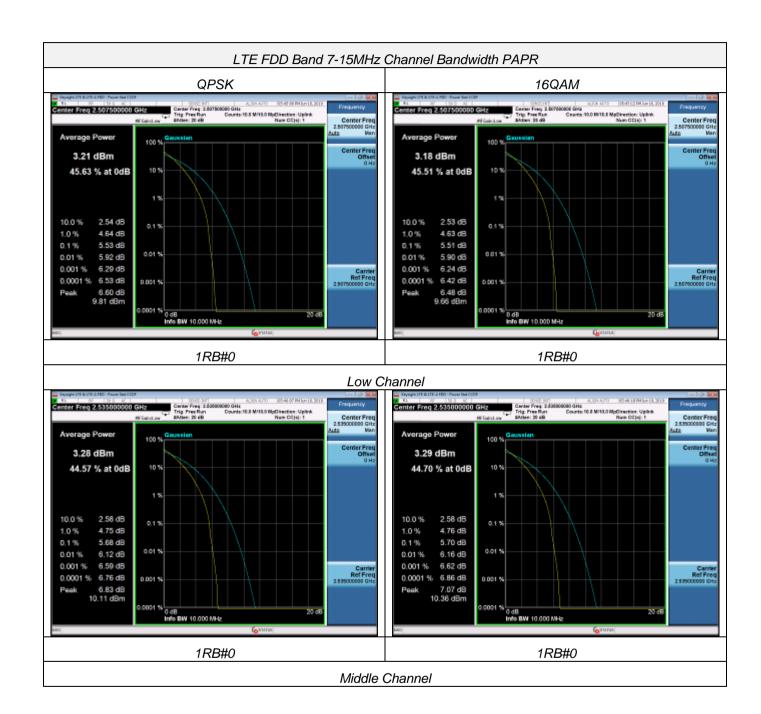




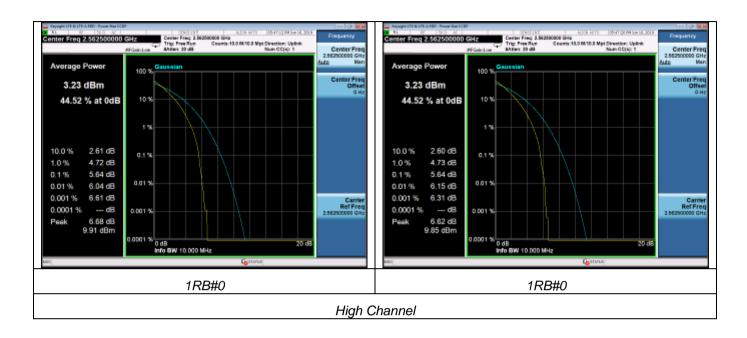


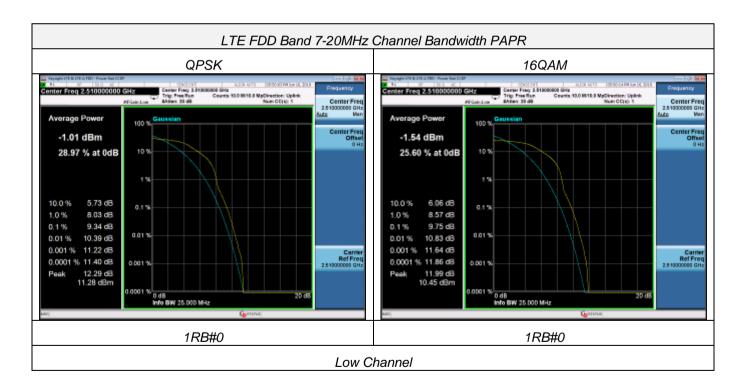




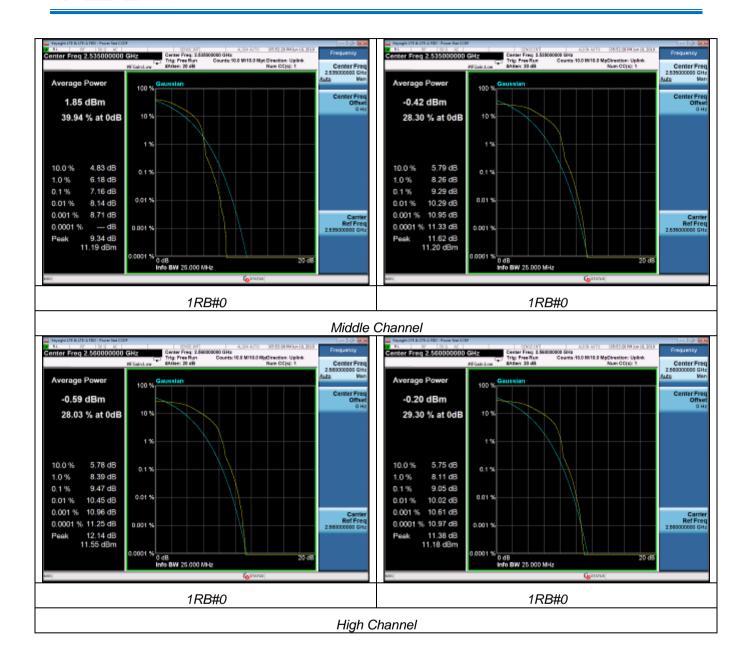














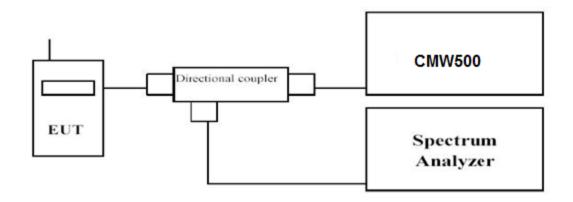
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## 4.3 Occupied Bandwidth and Emission Bandwidth

#### LIMIT

N/A

#### **TEST CONFIGURATION**



#### **TEST PROCEDURE**

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at low, middle and high channel in each band. The -26dBc Emission bandwidth was also measured and recorded. Set RBW was set to about 1% of emission BW, VBW≥3 times RBW.

-26dBc display line was placed on the screen (or 99% bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace.

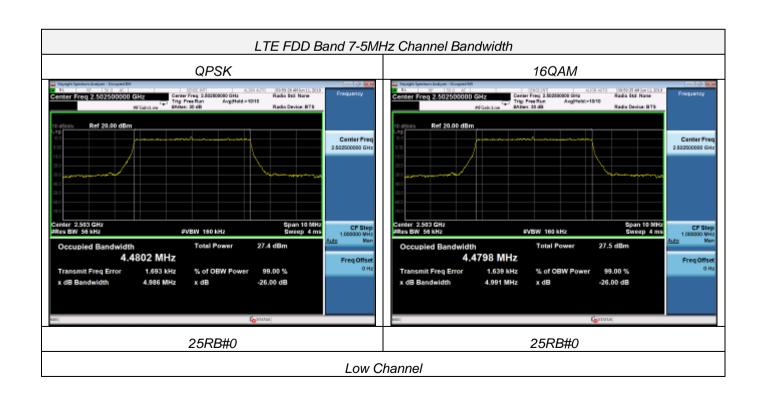
#### **TEST RESULTS**

#### Remark:

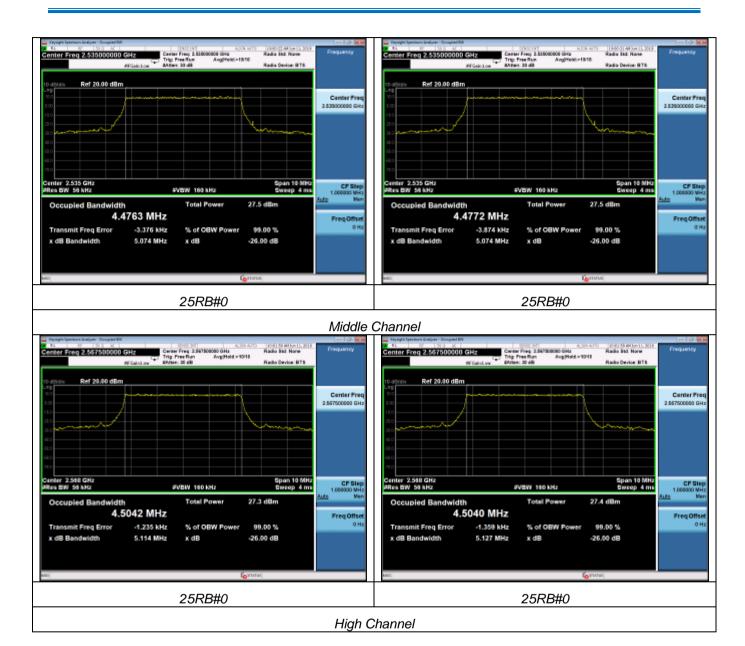
We were tested all RB Configuration refer 3GPP TS136 521 for each Channel Bandwidth of LTE FDD Band 7; recorded worst case for each Channel Bandwidth of LTE FDD Band 7.



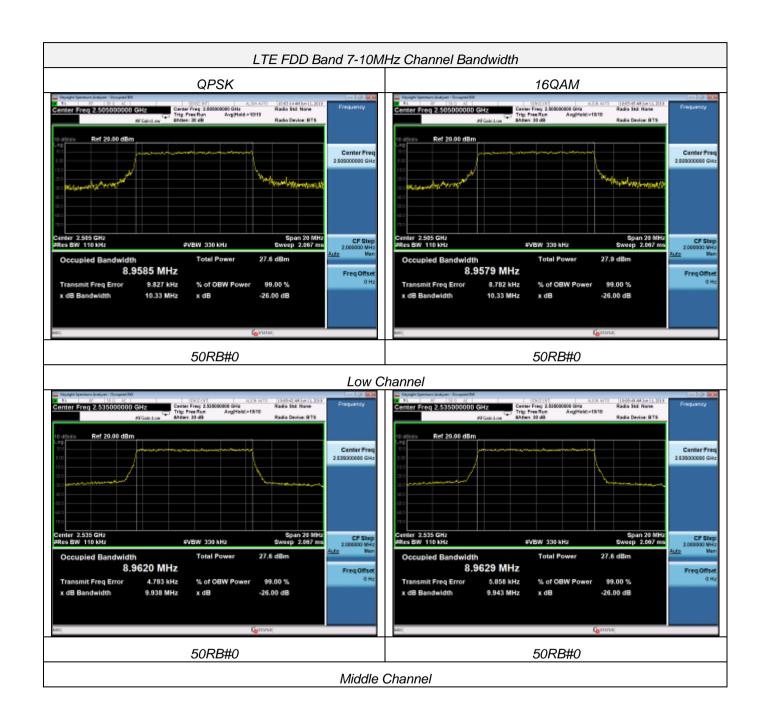
		LTE FDL	D Band 7			
TX Channel	RB Size/Offset	Frequency	bandwidth (MHz)			ed bandwidth Hz)
Bandwidth		(MHz)	QPSK	16QAM	QPSK	16QAM
		2502.5	4.986	4.991	4.4802	4.4798
5 MHz	25RB#0	2535	5.074	5.074	4.4763	4.4772
		2567.5	5.114	5.127	4.5042	4.5040
		2505	10.33	10.33	8.9585	8.9579
10 MHz	50RB#0	2535	9.938	9.943	8.9620	8.9629
		2565	9.805	9.855	8.9538	8.9581
		2507.5	14.74	14.74	13.411	13.410
15 MHz	75RB#0	2535	14.70	14.70	13.451	13.448
		2562.5	13.92	13.92	13.424	13.425
		2510	18.39	18.39	17.695	17.694
20 MHz	100RB#0	2535	18.36	18.36	17.716	17.717
		2560	18.38	18.38	17.616	17.618



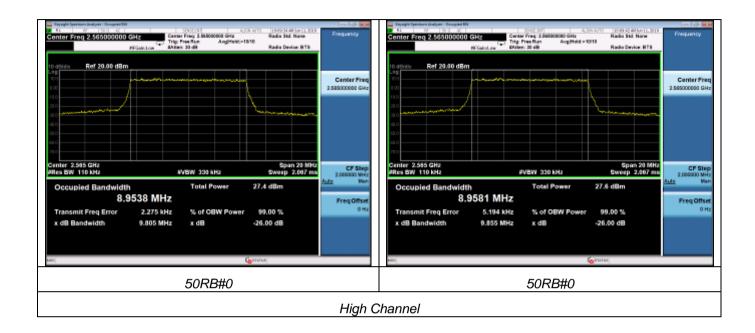


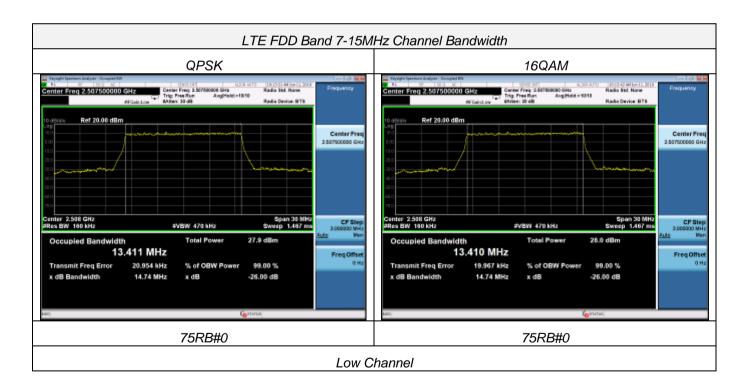




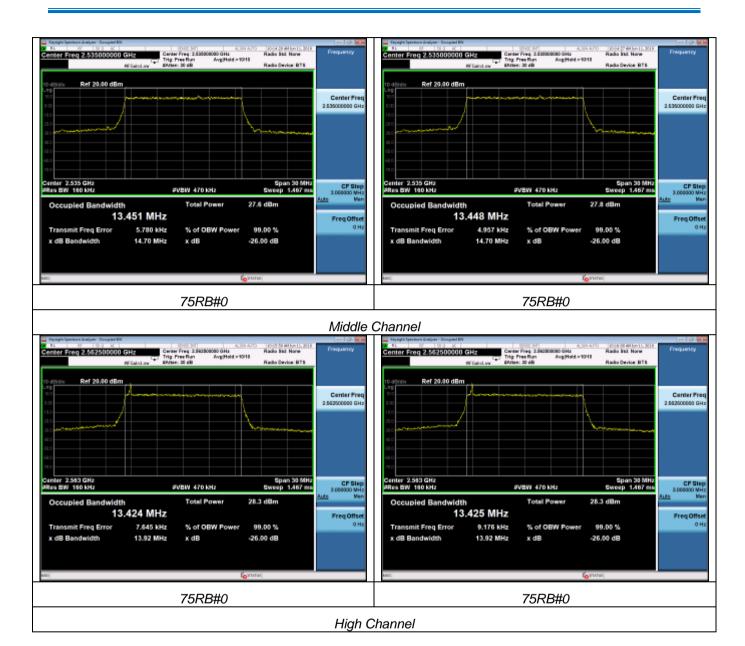




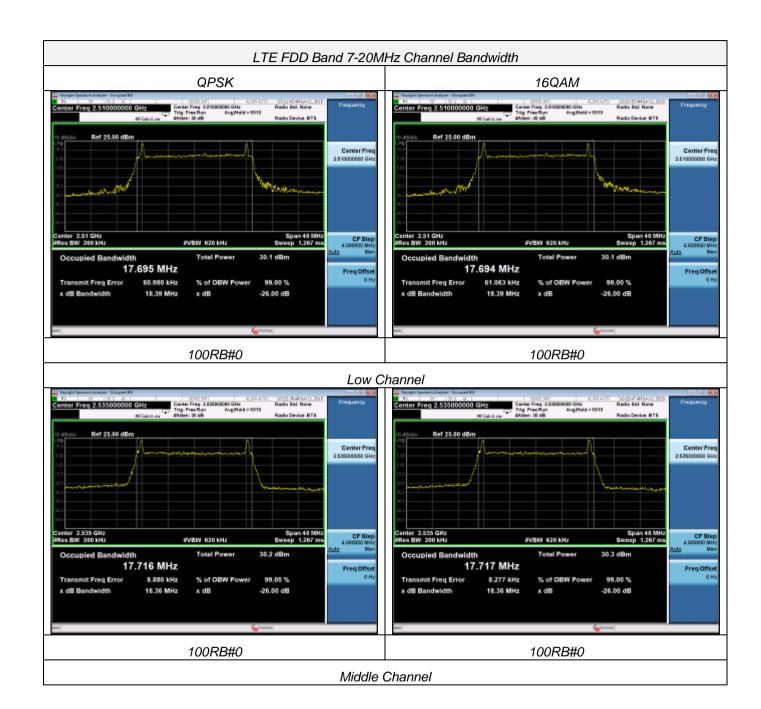




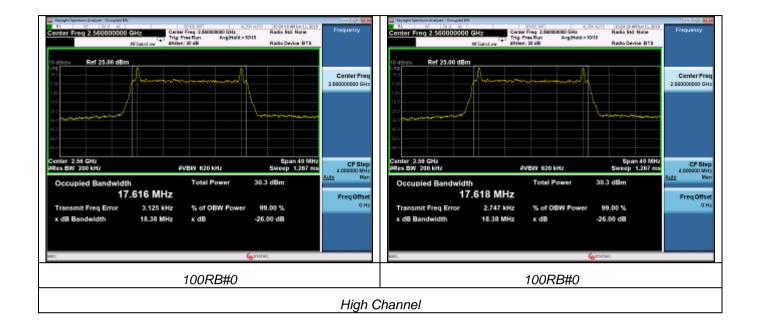














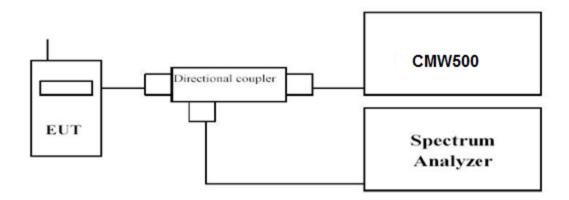
Report No.: CQASZ20190500014EX-09

#### 4.4 Emission Mask

#### LIMIT

According to §27.53 (m) (4): For mobile digital stations, 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, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

#### **TEST CONFIGURATION**



#### **TEST PROCEDURE**

- 1. The transmitter output port was connected to base station.
- 2. The RF output of EUT was connected to the power meter by RF cable and attenuator, the path loss was compensated to the results for each measurement.
- 3. Set EUT at maximum power through base station.
- 4. Select lowest and highest channels for each band and different modulation.
- 5. Measure Band edge using RMS (Average) detector by spectrum

#### **TEST RESULTS**

#### Remark:

We were tested all RB Configuration refer 3GPP TS136 521 for each Channel Bandwidth of LTE FDD Band 7; recorded worst case for each Channel Bandwidth of LTE FDD Band 7.



