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## **FCC REPORT**

**Report Reference No.....: TRE1608017802** R/C.....: 11165

FCC ID.....: 2ABOSELITE50P

Applicant's name.....: Sky Phone LLC

Manufacturer...... DongGuan Tenexon Communication Technology Co., Ltd

Address...... L1-L3 , Block A, Building B, KeYuan 9th Road No.1, Tang Xia

Town, Dongguan City, Guangdong China.

Test item description .....: Smart Phone

Trade Mark ...... SKY

Model/Type reference..... Elite 5.0P

Listed Model(s) ..... -

Standard ......: FCC Part 24: PERSONAL COMMUNICATIONS SERVICES

**FCC Part 27: MISCELLANEOUS WIRELESS** 

**COMMUNICATIONS SERVICES** 

Date of receipt of test sample...... Aug.26 ,2016

Date of testing...... Aug.27 ,2016 ~ Sep.12, 2016

Date of issue...... Sep.13, 2016

Result...... Pass

Compiled by

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Testing Laboratory Name .....: Shenzhen Huatongwei International Inspection Co., Ltd

Gongming, Shenzhen, China

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## 1. TEST STANDARDS AND TEST DESCRIPTION

#### 1.1. Test Standards

The tests were performed according to following standards:

FCC Part 24(10-1-13 Edition): PUBLIC MOBILE SERVICES

FCC Part 27: MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES

TIA/EIA 603 D June 2010: Land Mobile FM or PM Communications Equipment Measurement and Performance Standards.

47 CFR FCC Part 15 Subpart B: - Unintentional Radiators

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

<u>971168 D01 Power Meas License Digital Systems v02r02:</u> provides a methodology for fully characterizing the fundamental power of wideband (> 1 MHz) digitally modulated RF signals acceptable to the FCC for demonstrating compliance for licensed transmitters.

#### 1.2. Test Description

Test Item	Section in CFR 47	Result
	Part 2.1046	
RF Output Power	Part 24.232 (c)	Pass
	Part 27.50 (d)	
Modulation Characteristics	Part 2.1047	Pass
000/ 9 26 dB Occupied Bondwidth	Part 2.1049	Door
99% & -26 dB Occupied Bandwidth	Part 24.238	Pass
	Part 2.1051	
Spurious Emissions at Antenna Terminal	Part 24.238 (a)	Pass
	Part 27.53 (h)	
	Part 2.1053	
Field Strength of Spurious Radiation	Part 24.238 (a)	Pass
	Part 27.53 (h)	
Out of hand emission, Rand Edge	Part 24.238 (a)	Door
Out of band emission, Band Edge	Part 27.53 (h)	Pass
Frequency stability vs. temperature	Part 2.1055(a)(1)(b)	Pass
Frequency stability vs. voltage	Part 2.1055(d)(1)(2)	Pass
Pook Average Potio	Part 24.232 (d)	Page
Peak-Average Ratio	Part 27.50 (d)	Pass

Remark: The measurement uncertainty is not included in the test result.

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# 2. **SUMMARY**

## 2.1. Client Information

Applicant:	Sky Phone LLC
Address:	1348 Washington Av. #350, Miami Beach FL. 33139, United States
Manufacturer:	DongGuan Tenexon Communication Technology Co., Ltd
Address:	L1-L3 , Block A, Building B, KeYuan 9th Road No.1, Tang Xia Town, Dongguan City, Guangdong China.

## 2.2. Product Description

Name of EUT	Smart Phone	е						
Trade Mark:	SKY							
Model No.:	Elite 5.0P							
Listed Model(s):	-	-						
IMEI 1:	3575180731	63545						
IMEI 2:	3575180731	63552						
Power supply:	DC 3.8V Fro	om internal b	attery					
Adapter information1:	Model: Elite	5.0P						
	Input:AC 10	0-240V 50/6	0Hz 0.2A					
	Output: 5Vd	.c., 1.0A						
Hardware version:	V0.1							
Software version:	Elite_5.0P_A_V1.1							
RF Technical Description								
⊠FDD Band 2								
Operation Frequency:	•	.7 MHz – 190 930.7 MHz –	09.3 MHz 1989.3 MHz					
Channel bandwidth:	⊠1.4MHz	⊠ 3MHz	⊠ 5MHz	⊠ 10MHz	⊠15MHz	⊠20MHz		
⊠FDD Band 4								
Operation Frequency:	•	.7 MHz – 175 110.7 MHz –	54.3 MHz 2154.3 MHz					
Channel bandwidth:	⊠1.4MHz	⊠ 3MHz	⊠ 5MHz	⊠ 10MHz	□15MHz	20MHz		
⊠FDD Band 7								
Operation Frequency:	•	.5 MHz – 256 622.5 MHz –	67.5 MHz 2687.5 MHz					
Channel bandwidth:	□1.4MHz	☐ 3MHz	⊠ 5MHz	⊠ 10MHz	⊠15MHz	⊠20MHz		
Power Class:	☐ Class 1	□с	lass 2	⊠ Class 3	□с	lass 4		
Modulation type:	⊠QPSK	⊠16	6QAM	☐64QAM				
Antennna type:	1 * TRX, 1 *	RX-only						
Antenna gain:	Band 2: -0.5dBi;Band 4: -0.5dBi;Band 7: -0.5dBi							

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### Test Frequency:

#### FDD Band 2

Test Frequency ID	Bandwidth [MHz]	NuL	Frequency of Uplink [MHz]	N <sub>DL</sub>	Frequency of Downlink [MHz]			
	1.4	18607	1850.7	607	1930.7			
	3	18615	1851.5	615	1931.5			
Low Dongs	5	18625	1852.5	625	1932.5			
Low Range	10	18650	1855	650	1935			
	15 <sup>[1]</sup>	18675	1857.5	675	1937.5			
	20 <sup>[1]</sup>	18700	1860	700	1940			
Mid Range	1.4/3/5/10 15 <sup>[1]</sup> /20 <sup>[1]</sup>	18900	1880	900	1960			
	1.4	19193	1909.3	1193	1989.3			
	3	19185	1908.5	1185	1988.5			
High Dangs	5	19175	1907.5	1175	1987.5			
High Range	10	19150	1905	1150	1985			
	15 <sup>[1]</sup>	19125	1902.5	1125	1982.5			
	20 [1]	19100	1900	1100	1980			
NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS								

NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.

#### FDD Band 4

Test Frequency ID	Bandwidth [MHz]	NuL	Frequency of Uplink [MHz]	N <sub>DL</sub>	Frequency of Downlink [MHz]
	1.4	19957	1710.7	1957	2110.7
	3	19965	1711.5	1965	2111.5
Low Dongs	5	19975	1712.5	1975	2112.5
Low Range	10	20000	1715	2000	2115
	15	20025	1717.5	2025	2117.5
	20	20050	1720	2050	2120
Mid Range	1.4/3/5/10/15/20	20175	1732.5	2175	2132.5
	1.4	20393	1754.3	2393	2154.3
	3	20385	1753.5	2385	2153.5
High Dangs	5	20375	1752.5	2375	2152.5
High Range	10	20350	1750	2350	2150
	15	20325	1747.5	2325	2147.5
	20	20300	1745	2300	2145

#### FDD Band 7

Test Frequency ID	Bandwidth [MHz]	NuL	Frequency of Uplink [MHz]	N <sub>DL</sub>	Frequency of Downlink [MHz]
	5	20775	2502.5	2775	2622.5
Low Range	10	20800	2505	2800	2625
Low Range	15	20825	2507.5	2825	2627.5
	20 [1]	20850	2510	2850	2630
Mid Range	5/10/15 20 <sup>[1]</sup>	21100	2535	3100	2655
	5	21425	2567.5	3425	2687.5
High Range	10	21400	2565	3400	2685
nigh Kange	15	21375	2562.5	3375	2682.5
	20 [1]	21350	2560	3350	2680

NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.

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## 2.3. EUT operation mode

1. The EUT has been tested under typical operating condition. The Applicant provides software to control the EUT for staying in continous transmitting and receiving mode for testing.

Test Items Band				Bandy	vidth (M	Hz)		Modulation RB #				Test Channel			
Test Items	Band	1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	М	Н
Max	2	٧	٧	٧	٧	٧	٧	٧	٧	٧	٧	٧	٧	v	٧
Output	4	٧	٧	٧	٧	V	٧	٧	V	٧	٧	٧	٧	٧	٧
Output Power	7	-	-	٧	٧	٧	٧	٧	V	٧	٧	٧	٧	٧	٧
26dB and	2	٧	V	٧	V	٧	٧	٧	V			٧	٧	٧	٧
99%	4	٧	٧	٧	V	V	٧	٧	٧			٧	٧	٧	٧
99% Bandwidth	7	-	-	٧	V	V	٧	٧	٧			٧	٧	٧	٧
Conducted	2	٧	٧	٧	V	V	٧	٧	٧	٧		٧	٧		٧
Conducted Band Edge	4	٧	V	V	V	V	V	٧	٧	٧		V	٧		٧
Ballu Euge	7	-	-	V	V	V	V	٧	٧	٧		V	٧		٧
Conducted	2	٧	V	V	V	V	V	٧	٧	٧			٧	٧	٧
Spurious Emission	4	٧	٧	V	V	V	V	٧	٧	٧			٧	٧	٧
	7	-	-	٧	٧	٧	٧	٧	V	٧			٧	٧	٧
E.R.P./ E.I.R.P.	2	٧	٧	٧	٧	٧	٧	٧	V	٧			٧	٧	٧
	4	V	V	V	V	V	V	٧	V	V			V	٧	٧
	7	-	-	V	V	V	V	٧	V	٧			V	٧	٧
Radiated	2	٧	V	V	V	V	V	٧		V			V	V	٧
Spurious Emission	4	٧	V	V	V	V	V	٧		V			V	٧	٧
Emission	7	-	-	V	V	V	V	٧		٧			٧	V	٧
_	2						V	٧				V		V	
Frequency Stability	4						V	٧				V		٧	
	7						V	٧				V		٧	
Peak-to-	2						V	٧	V	V		V	V	٧	٧
Average Ratio	4						V	٧	V	V		V	V	٧	٧
Natio	7						V	٧	V	V		V	V	V	٧
Remark	2. T 3. T d	The mark "v " means that this configuration is chosen for testing The mark "-" means that this bandwidth is not supported. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.													

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### 2.4. EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

- supplied by the manufacturer
- O supplied by the lab

Length (m):	/
Shield:	/
Detachable :	/
Manufacturer:	/
Model No. :	/

### 2.5. Modifications

No modifications were implemented to meet testing criteria.

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### 3. TEST ENVIRONMENT

#### 3.1. Address of the test laboratory

Laboratory: Shenzhen Huatongwei International Inspection Co., Ltd.

Address: 1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China

Phone: 86-755-26748019 Fax: 86-755-26748089

#### 3.2. Test Facility

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

#### CNAS-Lab Code: L1225

Shenzhen Huatongwei International Inspection 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: 2005 General Requirements) for the Competence of Testing and Calibration Labo

ratories, Date of Registration: February 28, 2015. Valid time is until February 27, 2018.

#### A2LA-Lab Cert. No. 3902.01

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory has been accredited by A2LA for tec hnical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing. Valid time is until December 31, 2016.

#### FCC-Registration No.: 317478

Shenzhen Huatongwei International Inspection 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 FC C is maintained in our files. Registration 317478, Renewal date Jul. 18, 2014, valid time is until Jul. 18, 2017.

#### IC-Registration No.: 5377A&5377B

The 3m Alternate Test Site of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 5377A on Dec. 31, 2013, valid time is until Dec. 31, 2016.

Two 3m Alternate Test Site of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 5377B on Dec.03, 2014, valid time is until Dec.03, 2017.

#### **ACA**

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory can also perform testing for the Aust ralian C-Tick mark as a result of our A2LA accreditation.

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#### 3.3. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Normal Temperature/Tnor:	15~35°C
lative Humidity	30~60 %
Air Pressure	950-1050 hPa

#### 3.4. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01" Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics;Part 1" and TR-100028-02 "Electromagnetic compatibilityand Radio spectrum Matters (ERM);Uncertainties in the measurementof mobile radio equipment characteristics;Part 2 " and is documented in the Shenzhen Huatongwei International Inspection Co., Ltd quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen Huatongwei laboratory is reported:

Hereafter the best measurement capability for Sherizhen Huatongwei laboratory is reported.						
Measurement Uncertainty	Notes					
25 Hz	(1)					
0.57 dB	(1)					
2.20 dB	(1)					
1.60 dB	(1)					
3.39 dB	(1)					
4.24 dB	(1)					
5.16 dB	(1)					
5.54 dB	(1)					
	(1)					
	(1)					
	(1)					
	(1)					
	Measurement Uncertainty  25 Hz  0.57 dB  2.20 dB  1.60 dB  3.39 dB  4.24 dB  5.16 dB					

<sup>(1)</sup> This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

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## 3.5. Equipments Used during the Test

Output Power(Conducted) & Occupied Bandwidth & Emission Bandwidth & Band Edge Compliance & Conducted Spurious Emission									
No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.				
1	UNIVERSAL RADIO COMMUNICATION	Rohde&Schwarz	CMU200	112012	2015/11/2				
2	WIDEB.RADIO COMM.TESRER	Rohde&Schwarz	CMW500	1201.0002K50	2015/11/3				
3	Spectrum Analyzer	Rohde&Schwarz	FSU26	201141	2015/11/2				
4	Splitter	Mini-Circuit	ZAPD-4	400059	2015/11/2				

Frequency Stability							
No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.		
1	UNIVERSAL RADIO COMMUNICATION	Rohde&Schwarz	CMU200	112012	2015/11/2		
2	WIDEB.RADIO COMM.TESRER	Rohde&Schwarz	CMW500	1201.0002K50	2015/11/3		
3	Spectrum Analyzer	Rohde&Schwarz	FSU26	201141	2015/11/2		
4	Climate Chamber	ESPEC	EL-10KA	05107008	2015/11/2		
5	Splitter	Mini-Circuit	ZAPD-4	400059	2015/11/2		

Output Power (Radiated) & Radiated Spurious Emission							
No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.		
1	UNIVERSAL RADIO COMMUNICATION	Rohde&Schwarz	CMU200	112012	2015/11/2		
2	Spectrum Analyzer	Rohde&Schwarz	FSU26	201141	2015/11/2		
3	HORN ANTENNA	ShwarzBeck	9120D	1012	2015/11/2		
4	HORN ANTENNA	ShwarzBeck	9120D	1011	2015/11/2		
5	Ultra-Broadband Antenna	ShwarzBeck	VULB9163	538	2015/11/2		
6	Ultra-Broadband Antenna	ShwarzBeck	VULB9163	539	2015/11/2		
7	TURNTABLE	MATURO	TT2.0		N/A		
8	ANTENNA MAST	MATURO	TAM-4.0-P		N/A		
9	EMI Test Software	Audix	E3	N/A	N/A		
10	EMI Test Receiver	Rohde&Schwarz	ESIB 26	100009	2015/11/2		
11	RF Test Panel	Rohde&Schwarz	TS / RSP	335015/0017	2015/11/2		
12	High pass filter	Compliance Direction systems	BSU-6	34202	2015/11/2		
13	Splitter	Mini-Circuit	ZAPD-4	400059	2015/11/2		
14	Horn Antenna	SCHWARZBECK	BBHA9170	25841	2015/11/2		
15	Horn Antenna	SCHWARZBECK	BBHA9170	25842	2015/11/2		
16	Preamplifier	ShwarzBeck	BBV 9718	BBV 9718	2015/11/2		
17	Broadband Preamplifier	ShwarzBeck	BBV743	9743-0079	2015/11/2		
18	Signal Generator	Rohde&Schwarz	SMF100A	101932	2015/11/2		
19	Amplifer	Compliance Direction systems	PAP1-4060	120	2015/11/2		
20	TURNTABLE	ÉTS	2088	2149	2015/11/2		
21	ANTENNA MAST	ETS	2075	2346	2015/11/2		
22	HORN ANTENNA	Rohde&Schwarz	HF906	100068	2015/11/2		
23	HORN ANTENNA	Rohde&Schwarz	HF906	100039	2015/11/2		
24	WIDEB.RADIO COMM.TESRER	R&S	CMW500	1201.0002K50	2015/11/3		

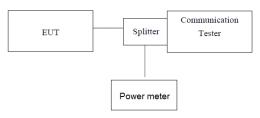
The calibration interval was one year.

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## 4. TEST CONDITIONS AND RESULTS

#### 4.1. Conducted Output Power

#### **TEST CONFIGURATION**



Note: Measurement setup for testing on Antenna connector

#### **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, middle, and highest channels for each band and different modulation.
- 5. Measure the maximum burst average power.

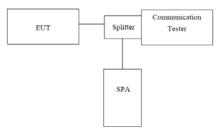
#### **TEST RESULTS**

EUT Mode	Frequency (MHz)  Max Avg.Power  QPSK (dBm)		Max Avg.Power 16QAM (dBm)	
LTE Band 2	1850.70 – 1909.30	22.15	22.35	
LTE Band 4	1710.70 – 1754.30	22.34	22.41	
LTE Band 7	2502.5– 2567.5	22.49	22.39	

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### 4.2. Occupy Bandwidth

#### **TEST CONFIGURATION**



Note: Measurement setup for testing on Antenna connector

#### **TEST PROCEDURE**

- 1. The EUT's output RF connector was connected with a short cable to the spectrum analyzer
- 2. RBW was set to about 1% of emission BW, VBW= 3 times RBW.
- 3. -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**

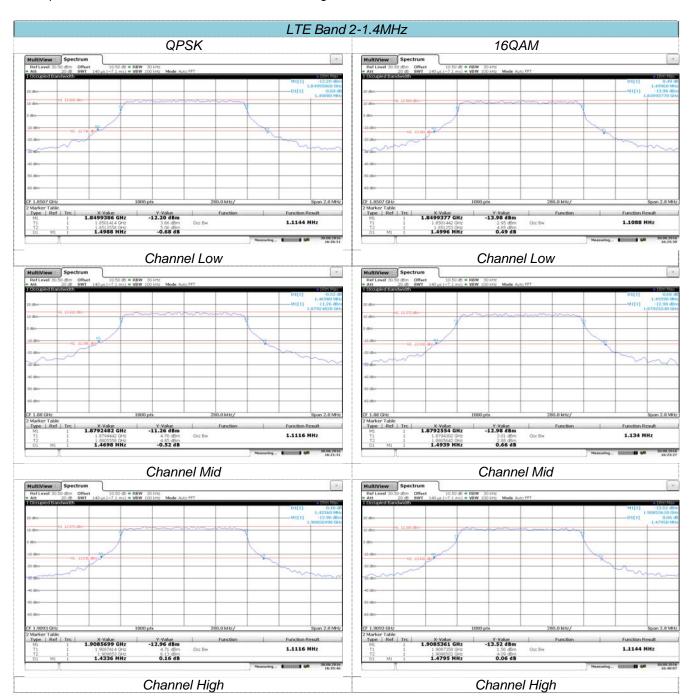
LTE Band 2					
Bandwidth	Channel	99% Occupy bandwidth (MHz)		-26dB bandwidth (MHz)	
Danuwiuth		QPSK	16QAM	QPSK	16QAM
	Low	1.11	1.11	1.50	1.50
1.4MHz	Mid	1.11	1.13	1.47	1.49
	High	1.11	1.11	1.43	1.48
	Low	2.68	2.68	3.01	3.00
3MHz	Mid	2.69	2.68	3.03	3.03
	High	2.68	2.68	3.03	3.08
	Low	4.53	4.56	5.36	5.42
5MHz	Mid	4.54	4.53	5.35	5.35
	High	4.52	4.56	5.36	5.50
	Low	8.94	8.96	9.83	10.00
10MHz	Mid	8.96	8.94	9.86	9.98
	High	8.94	8.94	9.93	10.05
	Low	13.47	13.50	15.21	15.08
15MHz	Mid	13.53	13.53	15.31	14.98
	High	13.50	13.50	15.36	14.84
	Low	17.96	18.04	20.03	20.07
20MHz	Mid	18.00	18.04	20.10	20.24
	High	18.00	17.96	19.94	20.03

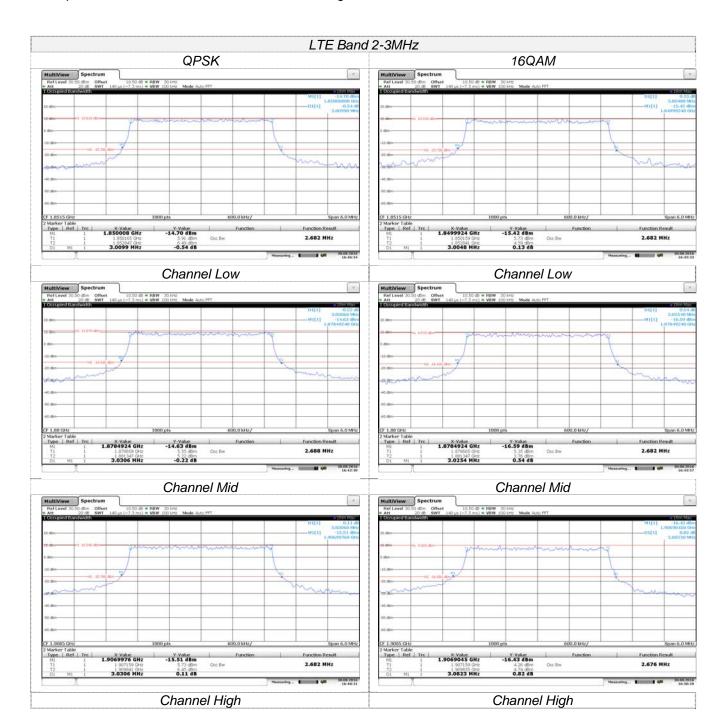
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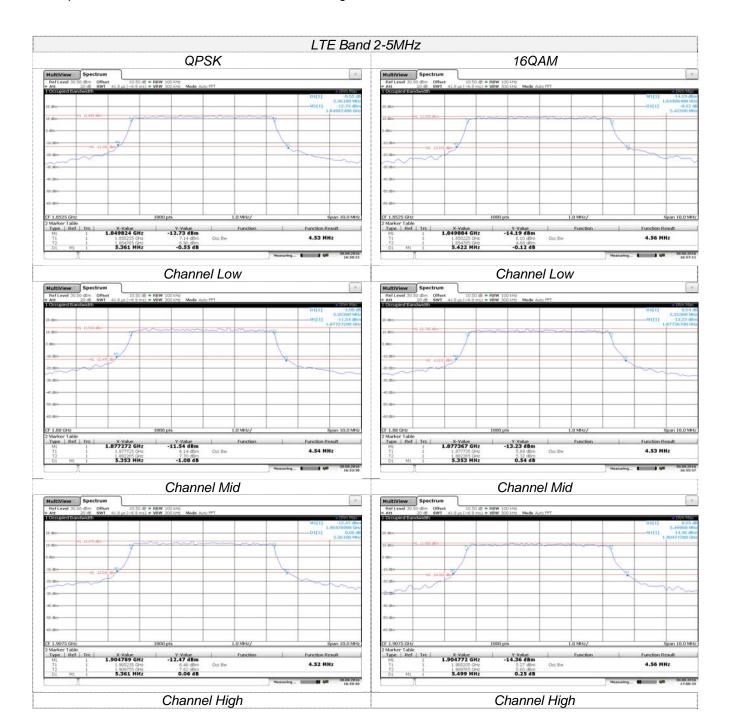
LTE Band 4					
Bandwidth	Channel	99% Occupy bandwidth (MHz)		-26dB bandwidth (MHz)	
Danawiain		QPSK	16QAM	QPSK	16QAM
	Low	1.11	1.13	1.48	1.47
1.4MHz	Mid	1.11	1.11	1.45	1.46
	High	1.11	1.11	1.49	1.49
	Low	2.68	2.68	3.03	3.06
3MHz	Mid	2.69	2.68	2.99	3.03
	High	2.69	2.68	3.06	3.02
	Low	4.52	4.56	5.44	5.52
5MHz	Mid	4.53	4.56	5.40	5.40
	High	4.54	4.53	5.37	5.33
	Low	8.96	8.96	9.87	10.14
10MHz	Mid	8.94	8.94	9.81	9.91
	High	8.96	8.94	9.81	9.78
	Low	13.50	13.50	15.39	15.36
15MHz	Mid	13.47	13.53	15.26	15.15
	High	13.50	13.50	15.08	14.87
	Low	17.96	17.92	19.76	19.58
20MHz	Mid	17.92	17.96	19.79	19.75
	High	17.96	17.96	19.73	19.83

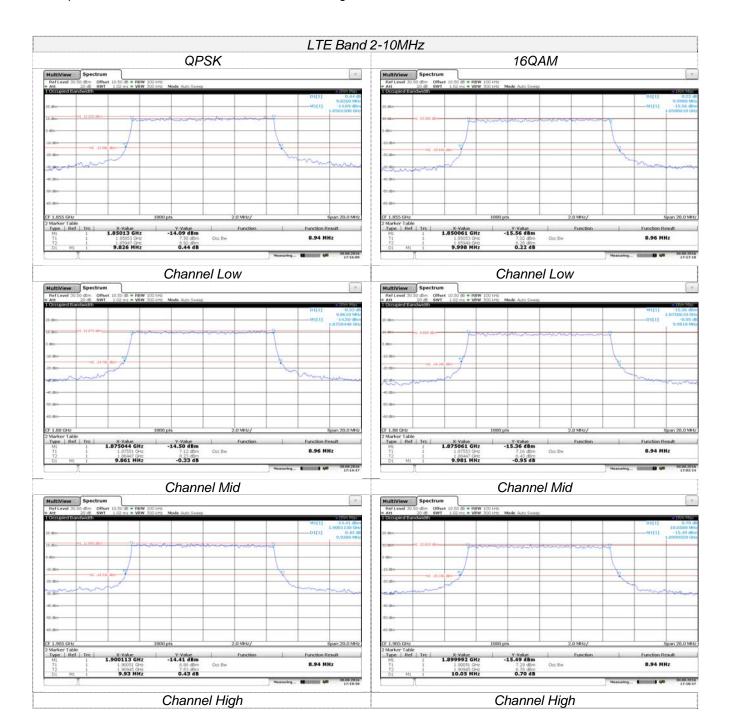
LTE Band 7					
Donduidth	Channel	99% Occupy bandwidth (MHz)		-26dB bandwidth (MHz)	
Bandwidth	Channel	QPSK	16QAM	QPSK	16QAM
	Low	4.53	4.55	5.35	5.44
5MHz	Mid	4.55	4.53	5.46	5.35
	High	4.52	4.54	5.38	5.41
	Low	8.96	8.96	10.00	10.07
10MHz	Mid	8.94	8.94	9.86	9.91
	High	8.96	8.94	9.83	9.78
	Low	13.53	13.50	15.46	14.82
15MHz	Mid	13.47	13.53	15.11	15.18
	High	13.47	13.50	15.18	14.89
	Low	17.96	18.00	19.80	20.00
20MHz	Mid	17.96	18.00	19.93	19.83
	High	17.96	17.96	19.79	19.86

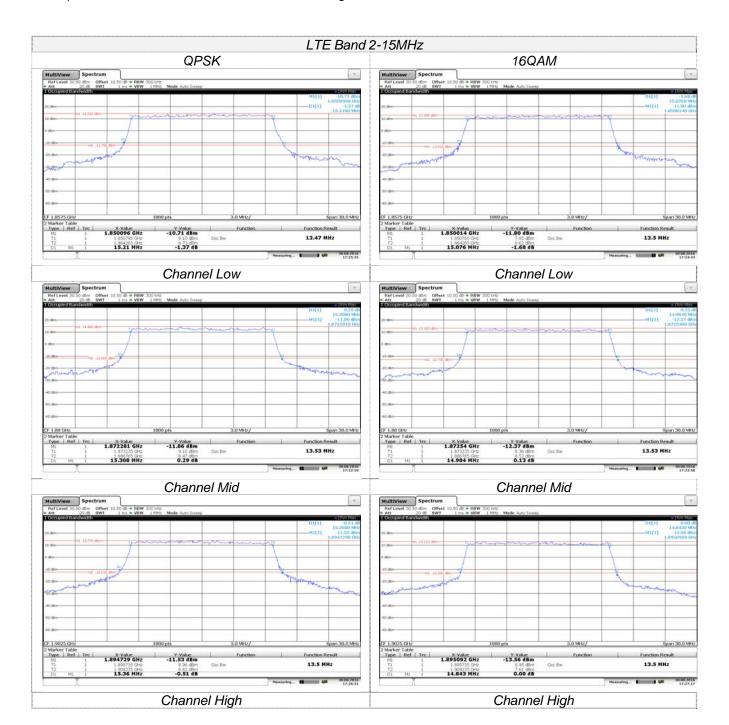
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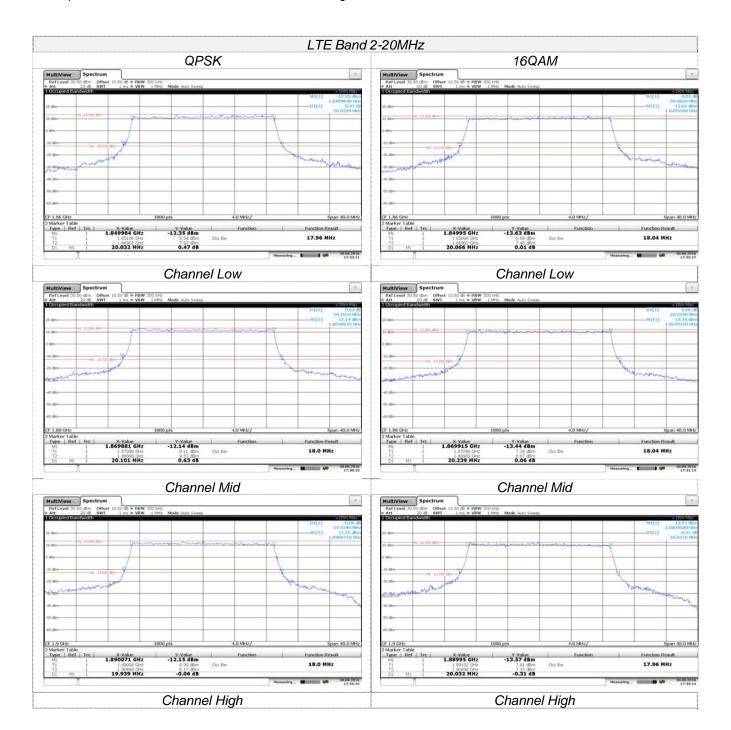




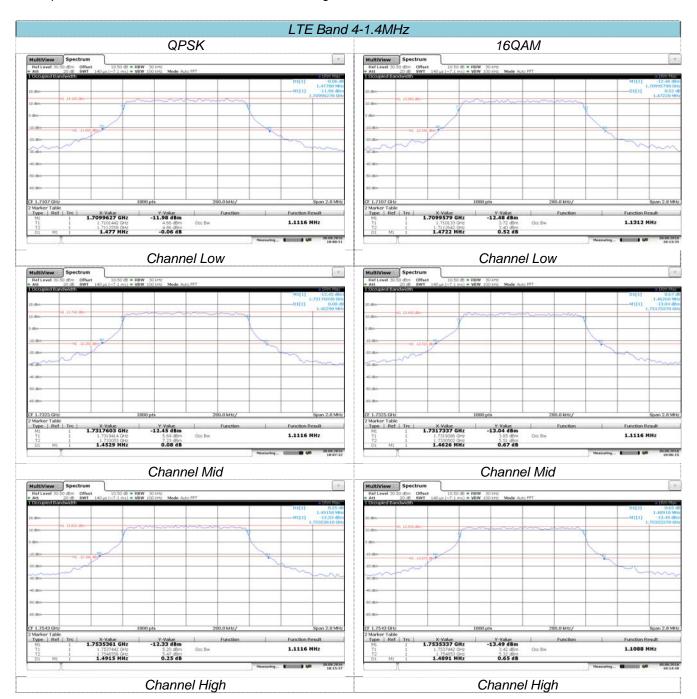


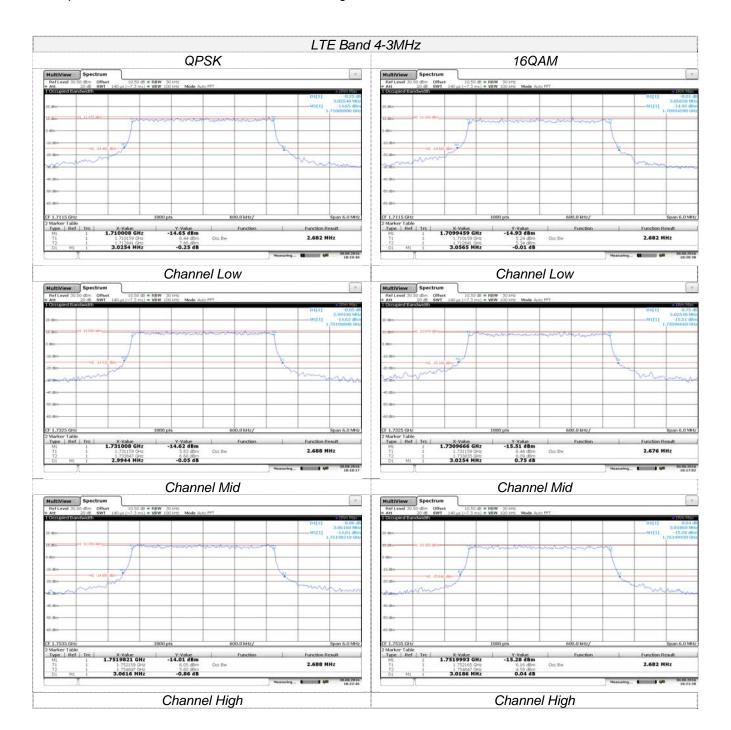


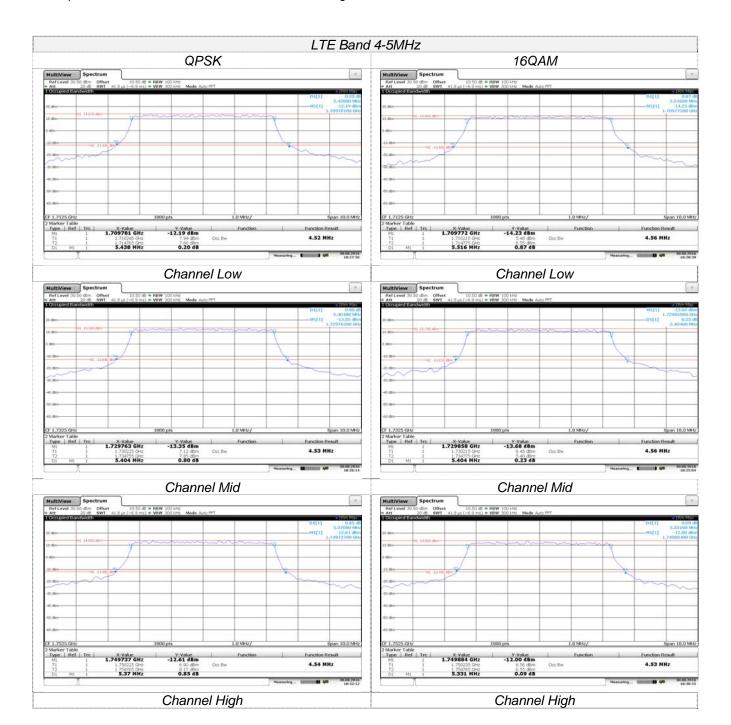


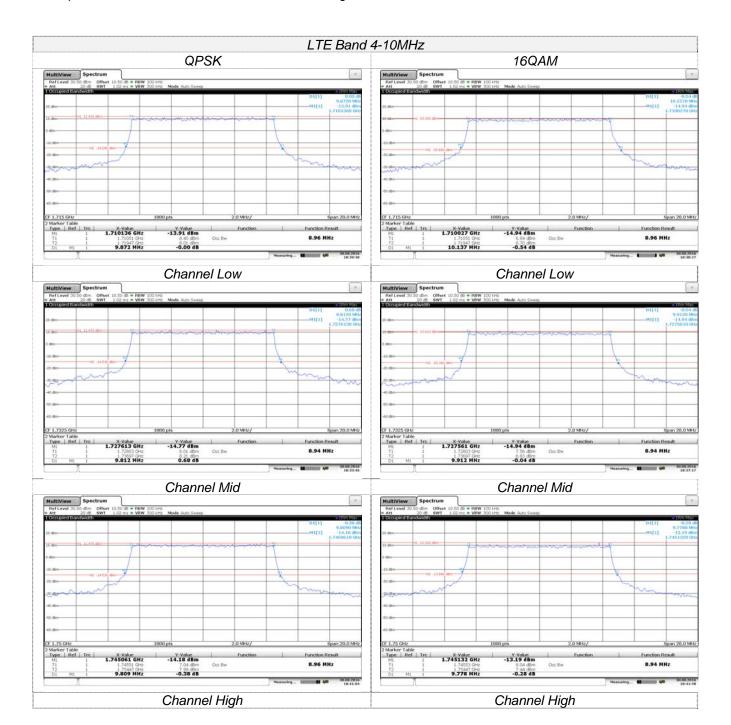


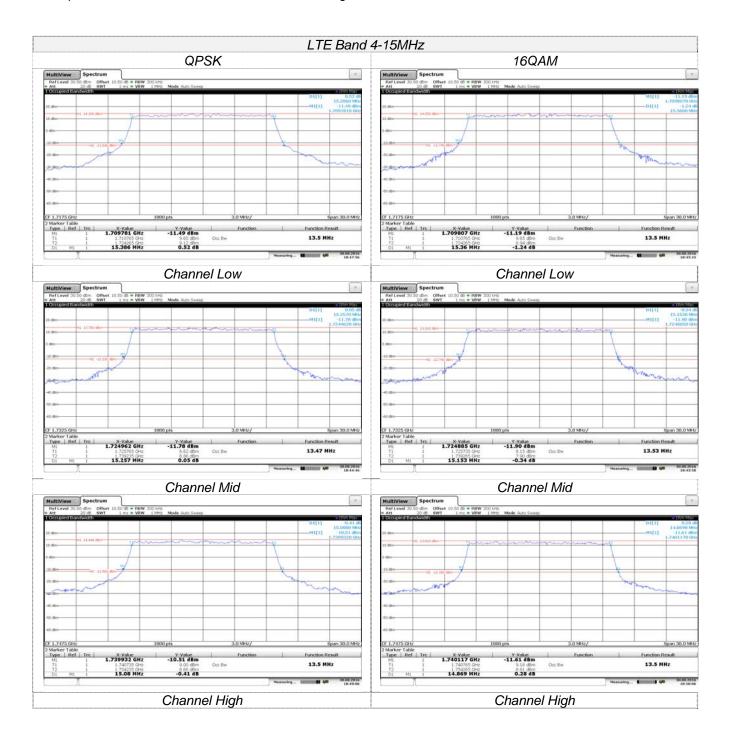
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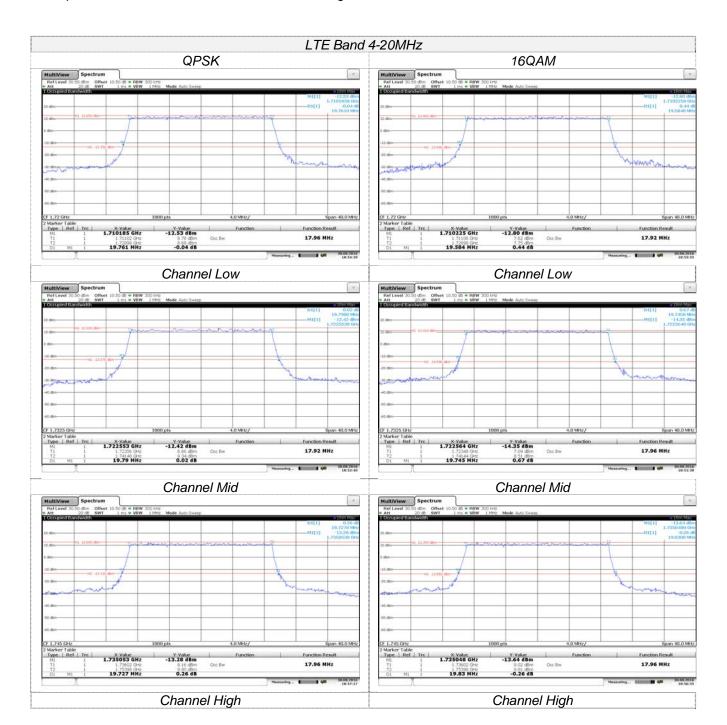


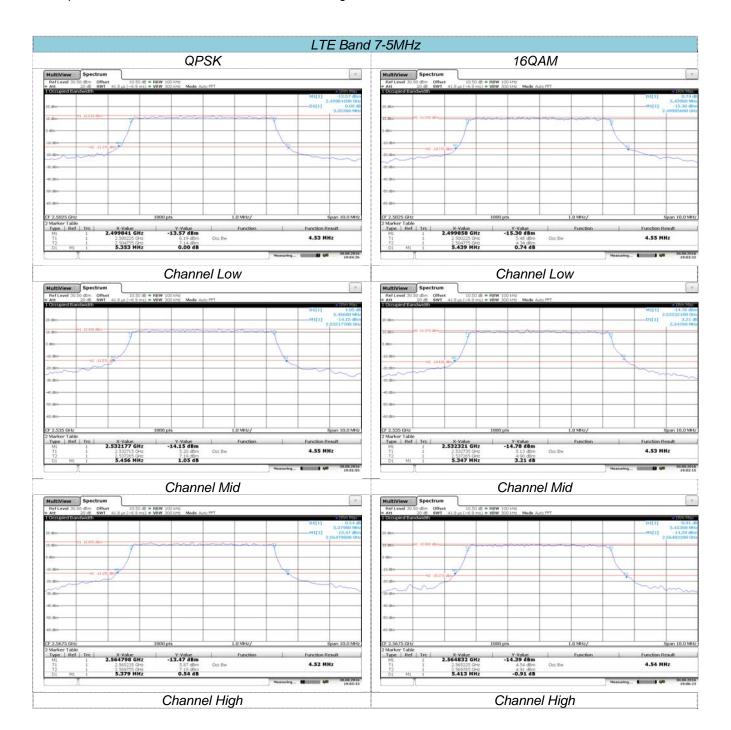


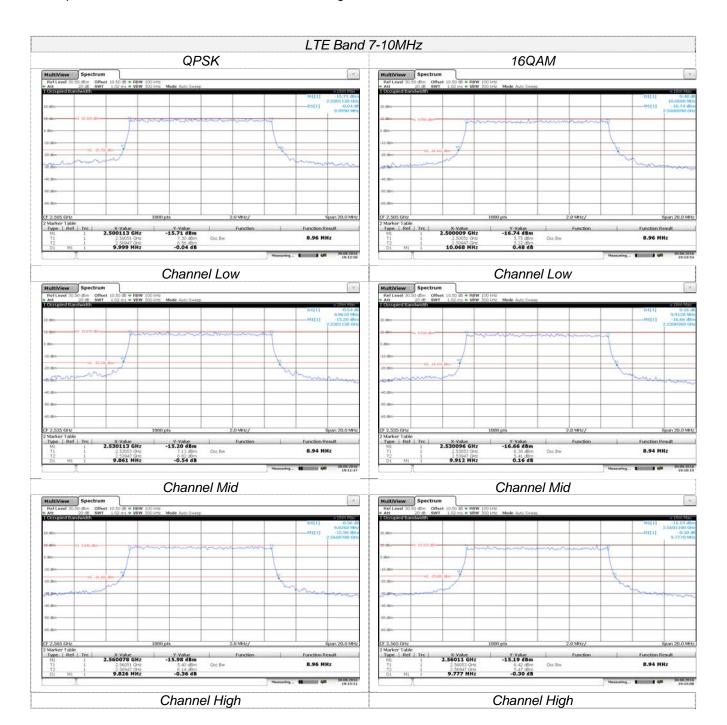


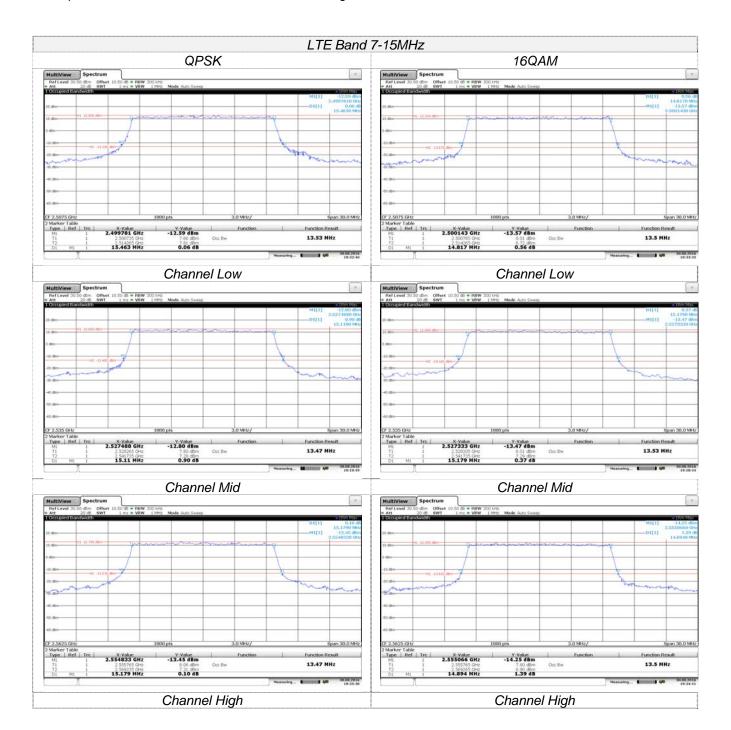


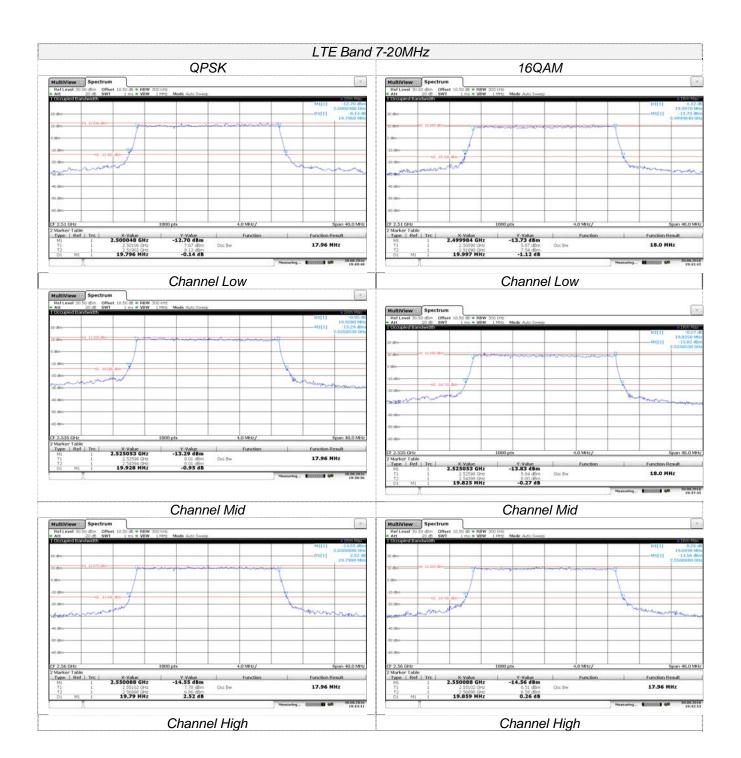












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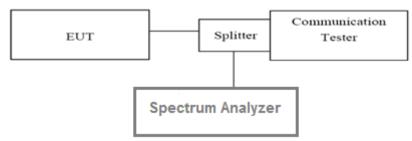
#### 4.3. Out of band emission at antenna terminals

#### **LIMIT**

Part 24.238 and 27.53(h) specify that the 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.

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.

#### **TEST CONFIGURATION**

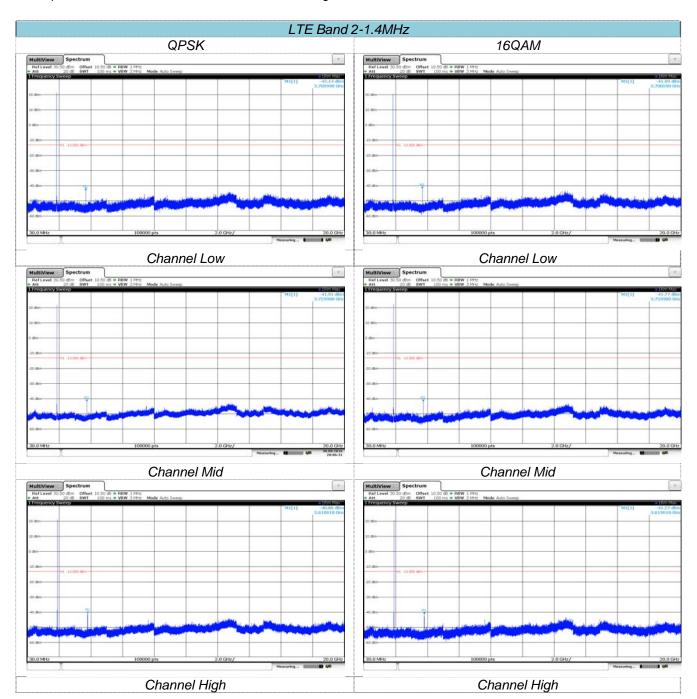


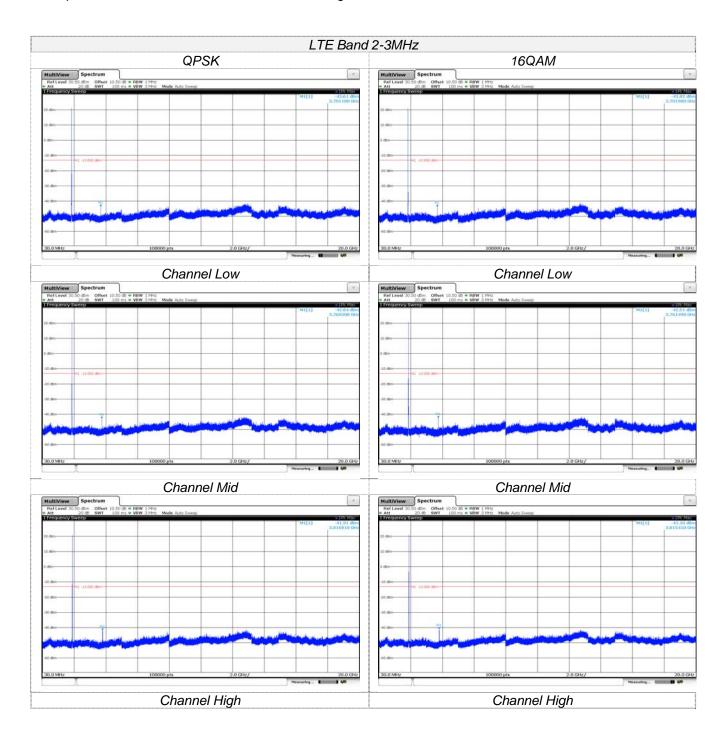
#### **TEST PROCEDURE**

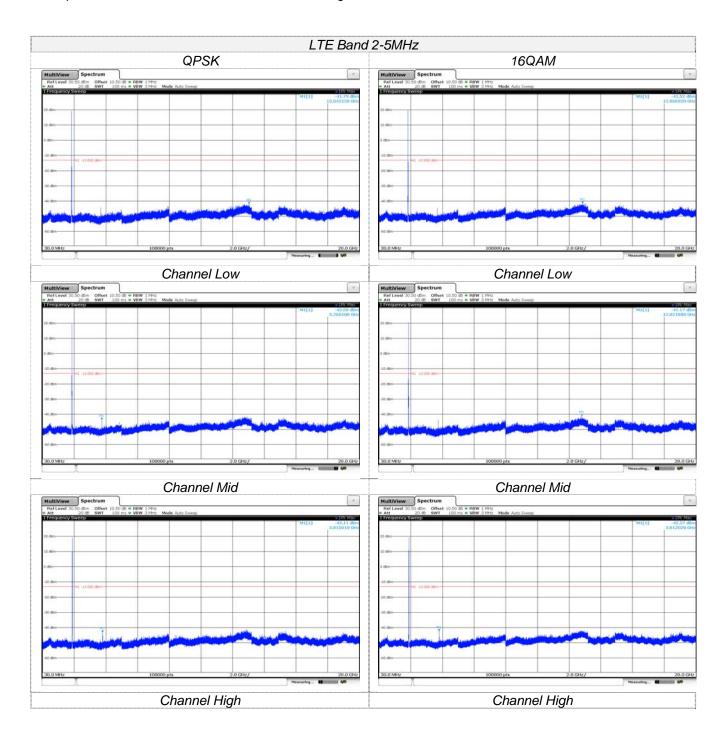
- 1. The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation.
- 2. The resolution bandwidth of the spectrum analyzer was set at 1MHz, sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.
- For the out of band: Set the RBW= 1MHz, VBW = 3MHz, Start=30MHz, Stop= 10th harmonic.

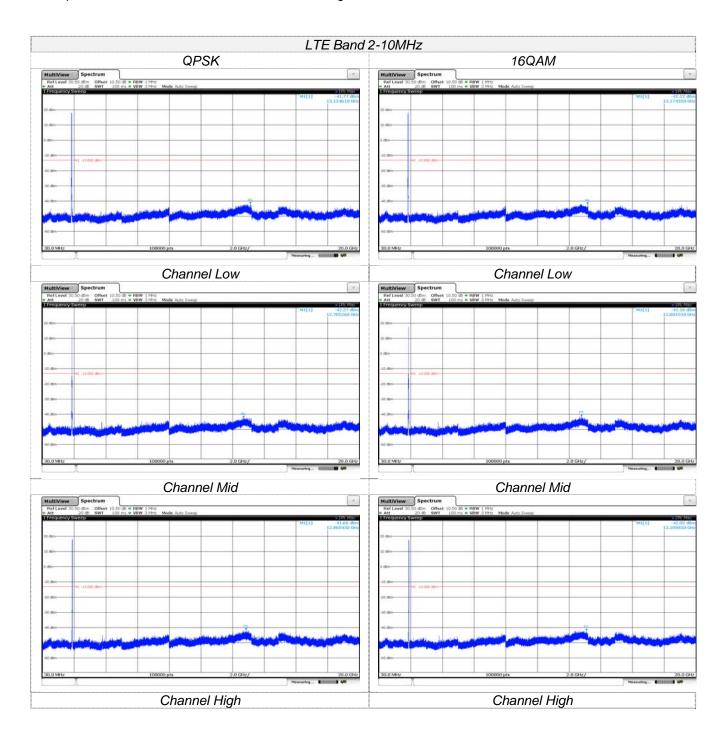
#### **TEST RESULTS**

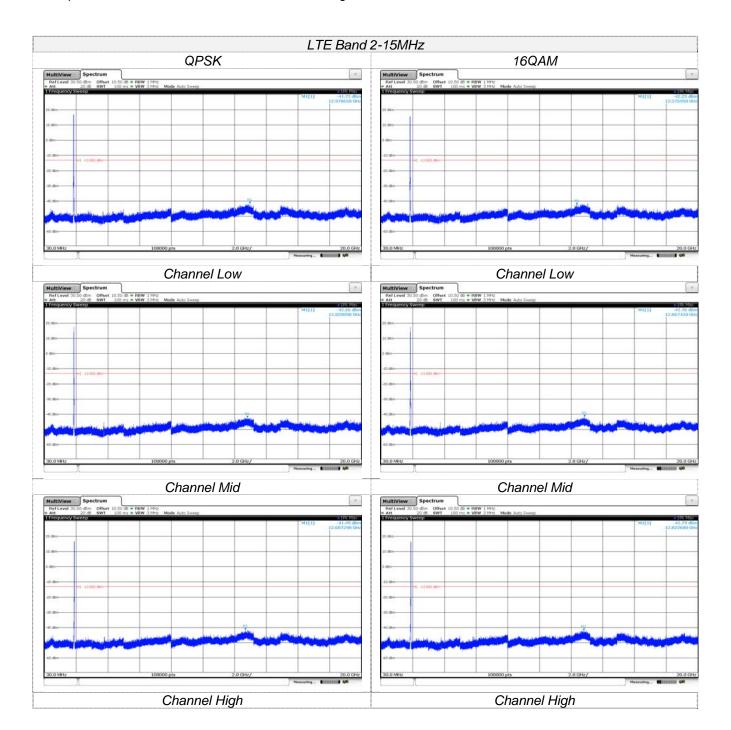
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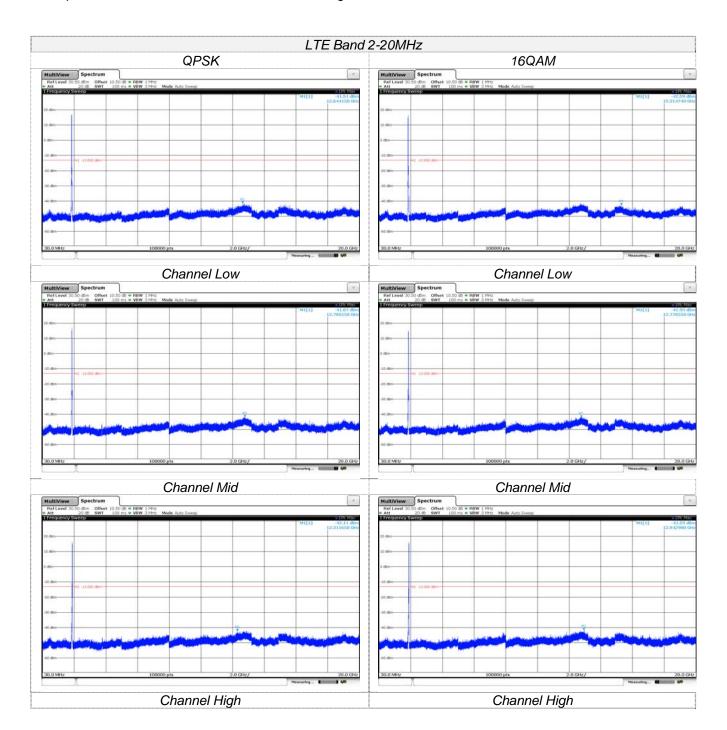












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