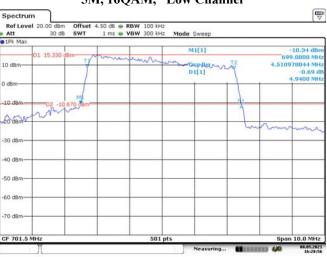
#### 5M, QPSK, Low Channel Spectrum L 0 dBm Offset 4.50 dB RBW 100 kHz 30 dB SWT 1 ms VBW 300 kHz Mode Sweep Ref Level 20.00 dBm Att 1Pk Max 8.71 d 01 16.340 m. 698 698.9800 MH 4.510978044 MH -0.22 d nN 0 dBn D1[1] 4.9400 M dBr 20 dBm non 30 dBr 40 dBr 50 dBm 50 dB 70 dBr CE 701.5 MHz 501 pts Sn 10.0 MHz 16:28:26 Measuring... CONTRACTOR 400

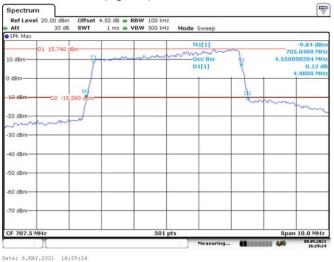
### 5M, 16QAM, Low Channel

Report No.: RDG210406003-00C



Date: 8.MAY.2021 16:28:26

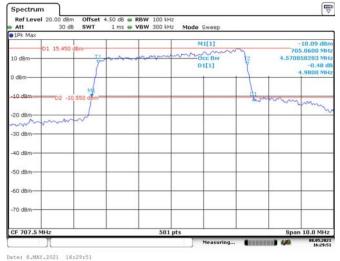






₩ Spectrum Offset 4.50 dB • RBW 100 kHz SWT 1 ms • VBW 300 kHz Ref Level 20.00 de Mode Sweet Att 30 dB 1Pk Max -9.67 dB 710.9800 M 01 16.760 m ~~ 710.9800 Mi 4.530938124 Mi 10 dBn D1[1] -0.19 4.9800 M dBrr 20 dBm V 30 dBm 40 dBn 50 dBr 50 dBr 70 dBn CE 713.5 501 pt 10.0 MH Measuring... -131 16:30:15 Date: 8.MAY.2021 16:30:15

#### 5M, 16QAM, Middle Channel



#### 5M, 16QAM, High Channel

₩ Spectrum Offset 4.50 dB • RBW 100 kHz SWT 1 ms • VBW 300 kHz Ref Level 20.00 dB Att 30 d Mode Sweet 30 dB • 1Pk Ma: -11.00 d M1[1] D1 14.850 m. 4.550898204 10 dBm DI[1] 0.29 5.0000 MH 0 dB -10 dBr -02 -1 -20 dBm-30 dBm 40 dBr -50 dBr 60 dE 70 dBr 501 pts CE 713.5 M 10.0 MH Measuring... STATISTICS.

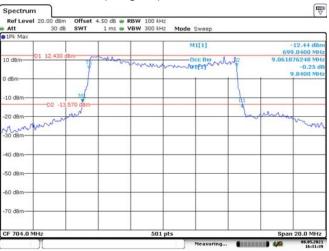
Date: 8.MAY.2021 16:30:36

Date: 8.MAY.2021 16:28:56

#### 10M, QPSK, Low Channel

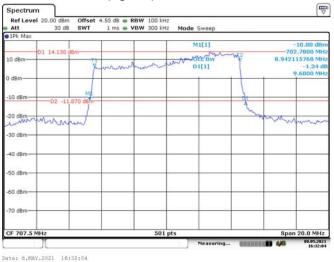


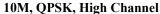
#### 10M, 16QAM, Low Channel

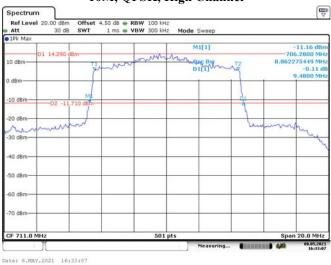


Date: 8.MAY.2021 16:31:14



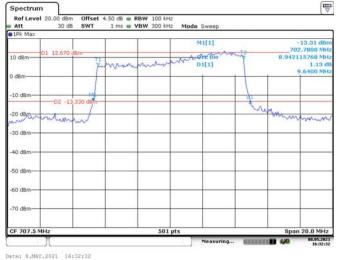








# 10M, 16QAM, Middle Channel

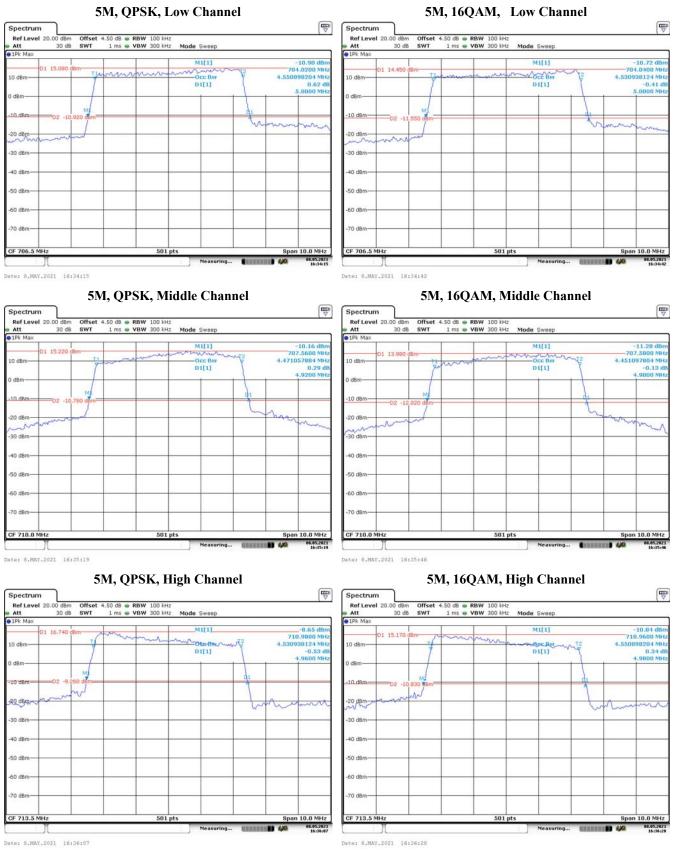


#### 10M, 16QAM, High Channel

₩ Spectrum Offset 4.50 dB • RBW 100 kHz SWT 1 ms • VBW 300 kHz Ref Level 20.00 dB Att 30 d Mode Sweet 30 dB • 1Pk Ma MI[1] 12.52 d 13.13 10 dBm DI[T] 8.822355289 -0.71 9.5200 M dBi -10 dBn -D2 -1 -20 dBr no Be 30 dBm 40 dBr -50 dBr 60 dE 70 dB CE 711.0 M 501 pt 20.0 MH Measuring. Colorador. Date: 8.MAY.2021 16:33:41

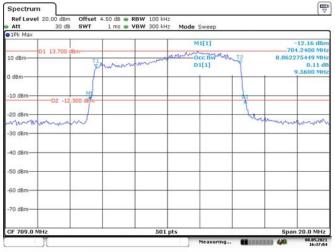
#### Report No.: RDG210406003-00C

#### LTE Band 17:

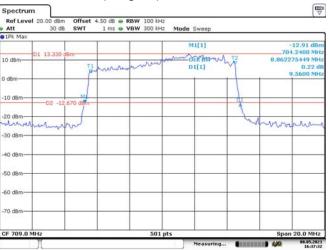


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#### 10M, QPSK, Low Channel



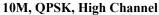
#### 10M, 16QAM, Low Channel

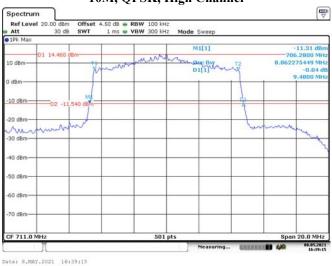


Date: 8.MAY.2021 16:37:04



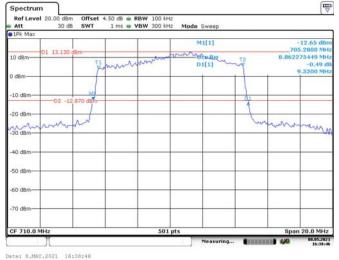








# 10M, 16QAM, Middle Channel



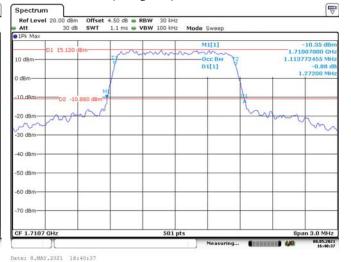
#### 10M, 16QAM, High Channel

₩ Spectrum Offset 4.50 dB • RBW 100 kHz SWT 1 ms • VBW 300 kHz Ref Level 20.00 dB Att 30 d Mode Sweet 30 dB • 1Pk Ma M1[1] 12.73 d 1 13.60 10 dBm DILIM 8.822355289 0.20 nn 9.5600 M dBi 10 dBn -D2 -1 -20 dBr mm Ant Yr. 30 dBm-40 dBr -50 dBr 60 dB 70 dBr CE 711.0 M 501 pt 20.0 MH Measuring. COLUMN 1 Date: 8.MAY.2021 16:39:47

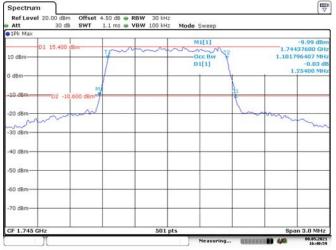
#### LTE Band 66







1.4M, QPSK, Middle Channel

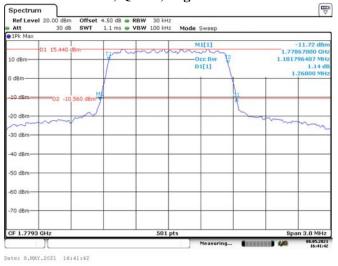


# 1.4M, 16QAM, Middle Channel



Date: 8.MAY.2021 16:40:59

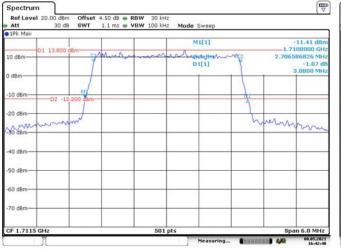




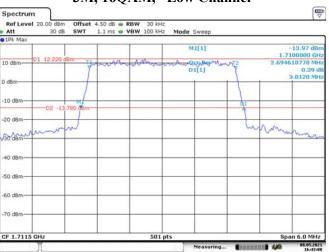
### 1.4M, 16QAM, High Channel

 Spectrum Ref Level 20. Att Offset 4.50 dB • RBW 30 kHz SWT 1.1 ms • VBW 100 kHz 30 dB Mode Sweep • 1Pk Max -11.29 dBn 1.77867000 GH 01 15.27 000 1.101796407 MH 0.74 d 10 dB D1[1] 1.26 d 10 di 20 dB 2 30 dBn 40 d8 50 dB 60 dB 70 d CF 1.7793 GH 501 pts 1 3.0 MH Date: 8.MAY.2021 16:42:12

#### 3M, QPSK, Low Channel Offset 4.50 dB • RBW 30 kHz SWT 1.1 ms • VBW 100 kHz Mode Sweep 30 dB

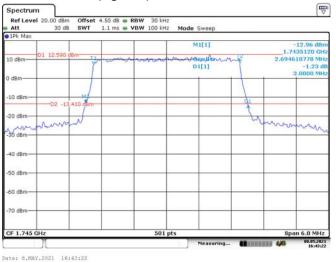


### 3M, 16QAM, Low Channel

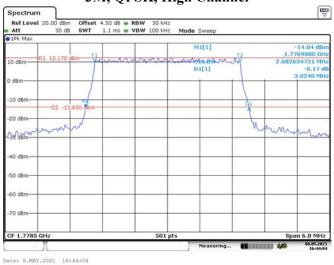


Date: 8.MAY.2021 16:42:40

# 3M, QPSK, Middle Channel

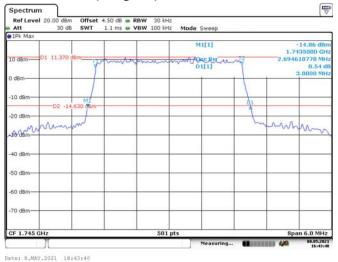


3M, QPSK, High Channel

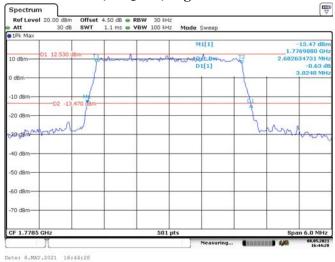


# 3M, 16QAM, Middle Channel

Date: 8.MAY.2021 16:43:00

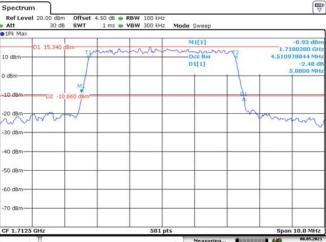


# 3M, 16QAM, High Channel



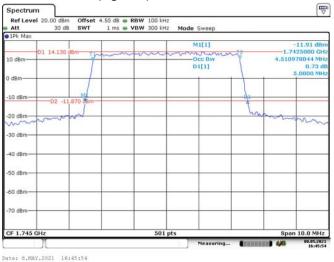
#### 5M, QPSK, Low Channel Spectrum L 0 dBm Offset 4.50 dB RBW 100 kHz 30 dB SWT 1 ms VBW 300 kHz Mode Sweep Ref Level 20.00 dBm Att 1Pk Max -11.18 dB 1.7100000 GH 4.530938124 MH 0.69 d M1[1] 01 15.180 mm - 1.0 10 dBm -Occ By D1[1] 5.0000 M dBrr 20 dBrr 30 dBm 40 dBr 50 dBm 50 dBr 70 dBr CF 1.7125 GH 501 pts Sn. 10.0 MHz 16:44:57 CALCULATION OF A DATA Measuring...

# 5M, 16QAM, Low Channel



Date: 8.MAY.2021 16:44:57

# 5M, QPSK, Middle Channel

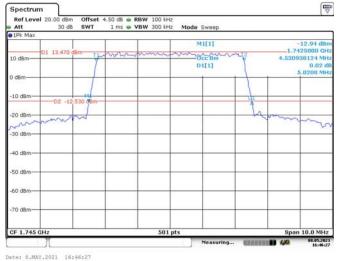


5M, QPSK, High Channel

₩ Spectrum Offset 4.50 dB • RBW 100 kHz SWT 1 ms • VBW 300 kHz Ref Level 20.00 dBm Mode Sweet Att 30 dB 1Pk Max -10.86 d 01 16.060 ma A 4.510978044 MH 0.84 d 10 dBm D1[1] 5.0000 M dBm ·D2 20 dBr m 201 -30 dBm 40 dBn 50 dBm 50 dB 70 dBn CE 1.7775 GH 501 pt 10.0 MH Measuring. 1 400 16:46:57 Date: 8.MAY.2021 16:46:57



# 5M, 16QAM, Middle Channel

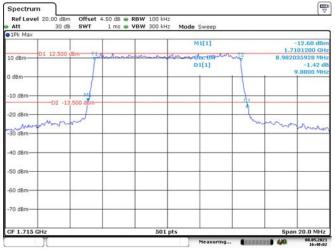


### 5M, 16QAM, High Channel

₩ Spectrum Offset 4.50 dB • RBW 100 kHz SWT 1 ms • VBW 300 kHz Ref Level 20.00 dE Mode Sweet 30 dB • 1Pk Ma: -9.74 d M1[1] 01 14.32 ww DCC BW 4.5508982041 10 dBm D1[1] -1.67 5.0000 M dBi -10 dBm -20 dBm nA march N 30 dBm 40 dBr -50 dB 60 di 70 dBr 501 pts CE 1.7775 GH 10.0 MH Measuring... STATISTICS.

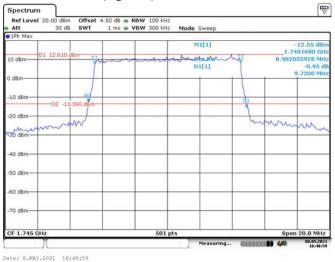
Date: 8.MAY.2021 16:47:30

#### 10M, QPSK, Low Channel



#### Date: 8.MAY.2021 16:48:02

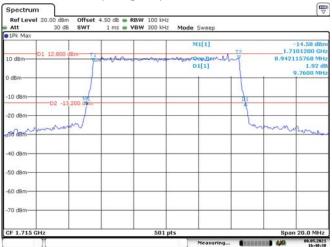
# 10M, QPSK, Middle Channel



10M, QPSK, High Channel

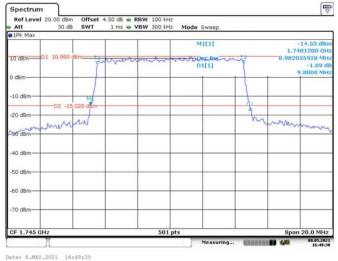
₩ Spectrum Offset 4.50 dB • RBW 100 kHz SWT 1 ms • VBW 300 kHz Ref Level 20.00 de Mode Sweet Att 30 dB • 1Pk Ma -13.12 dB 1.7701200 Gi 8.942115768 Mi MI[1] 12.93 0.010 Ocl-BN 10 dBn D1[1] -0.60 9.8000 M dBrr 10 dBm -02 -1 070 d 20 dBn his m ~ 30 dBr 40 dBn 50 dBr 50 dB 70 dBr CE 1.775 ( 501 0.0 MH Measuring. 16:50:021 Date: 8.MAY.2021 16:50:02

### 10M, 16QAM, Low Channel



Date: 8.MAY.2021 16:48:30

### 10M, 16QAM, Middle Channel

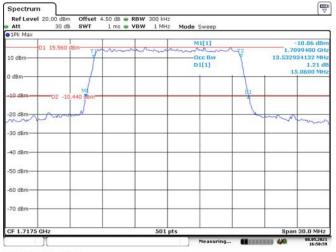


# 10M, 16QAM, High Channel

₩ Spectrum Offset 4.50 dB • RBW 100 kHz SWT 1 ms • VBW 300 kHz Ref Level 20.00 dB Att 30 d Mode Sweet 30 dB • 1Pk Ma MI[1] 13.85 d 1.7701200 G 1 12.10 10 dB D1[1] 0.08 9.8400 MH dBi 10 dBr -D2 -1 00 de -20 dBr Mar Mur 30 dBm-40 dBr -50 dB 60 di 70 dB 501 pts CE 1.775 G 20.0 M Measuring.

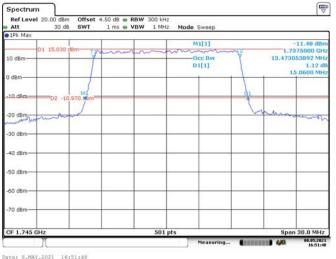
Date: 8.MAY.2021 16:50:30

### 15M, QPSK, Low Channel

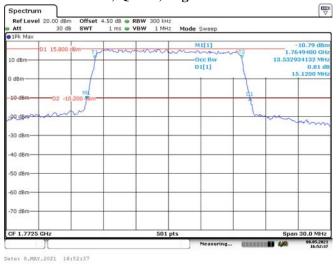


Date: 8.MAY.2021 16:50:59

# 15M, QPSK, Middle Channel

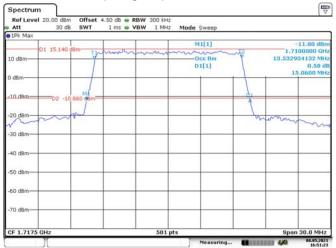


15M, QPSK, High Channel



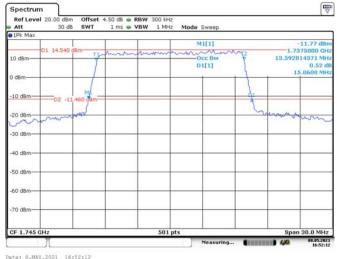
#### Report No.: RDG210406003-00C

### 15M, 16QAM, Low Channel



Date: 8.MAY.2021 16:51:23

# 15M, 16QAM, Middle Channel



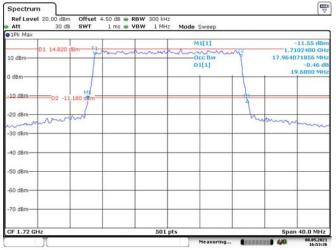
#### 15M, 16QAM, High Channel

Spectrum Offset 4.50 dB • RBW 300 kHz SWT 1 ms • VBW 1 MHz Ref Level 20.00 Att 30 dB Mode Sw IPk Ma: 10.77 dB 01 15.490 mun -m. 1.7650 0 GH 10 dBm 13.532934132 MH D1[1] 0.81 dt 15.0600 MH ) de 10 d8 -20 dB 30 dBr 40 dB 50 di -60 dB 70 dB CF 1.7725 G 501 pts

Date: 8.MAY.2021 16:53:05

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#### 20M, QPSK, Low Channel



#### Date: 8.MAY.2021 16:53:36

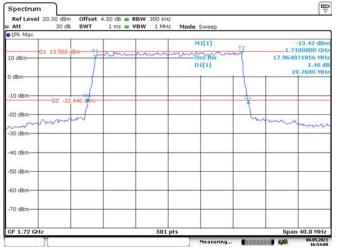
# 20M, QPSK, Middle Channel



#### 20M, QPSK, High Channel

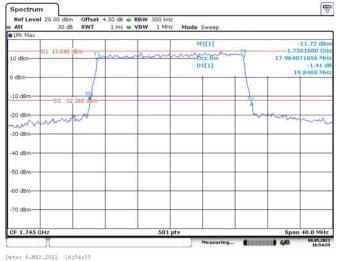
₩ Spectrum Ref Level 20.00 d Offset 4.50 dB • RBW 300 kHz SWT 1 ms • VBW 1 MHz Mode Sweet Att 30 dB SWT 1Pk Max -10.98 di MI[1] 01 14.750 nn 350 ma 1.7600800 G 18.043912176 M 10 dBm Occ By D1[1] 0.79 19.8400 M dBrr 10 dBm 00 -20 dBm nn 30 dBm 40 dBn 50 dBm 50 dBr 70 dBn CE 1.77 G 501 10.0 MH Measuring.. .... 131 16:55:23 Date: 8.MAY.2021 16:55:23

### 20M, 16QAM, Low Channel



Date: 8.MAY.2021 16:54:00

### 20M, 16QAM, Middle Channel



# 20M, 16QAM, High Channel

₩ Spectrum Ref Level 20.00 di Att 30 Offset 4.50 dB • RBW 300 kHz SWT 1 ms • VBW 1 MHz Mode Sweet 30 dB • 1Pk Ma: -10.63 d 1.7601600 0 17.964071856 M M1[1] 01 14.760 TN 10 dBm D1[1] -0.95 19.7600 MH dBi -10 dBm--20 dBm non -30 dBn 40 dBr -50 dBr 60 dB 70 dBr 501 pts CE 1.77 G 40.0 MH Measuring. 111

Date: 8.MAY.2021 16:55:53

# FCC §2.1051, §22.917(a) & §24.238(a) & §27.53- SPURIOUS EMISSIONS AT ANTENNA TERMINALS

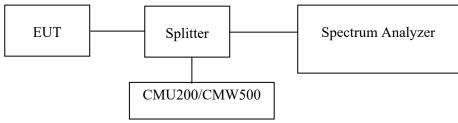
# Applicable Standard

FCC §2.1051, §22.917(a), §24.238(a) and §27.53.

The spectrum was to be investigated to the tenth harmonics of the highest fundamental frequency as specified in § 2.1051.

# **Test Procedure**

The RF output of the transceiver was connected to a spectrum analyzer and simulator through appropriate attenuation. Sufficient scans were taken to show any out of band emissions up to 10<sup>th</sup> harmonic.



# **Test Equipment List and Details**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101589	2020-06-24	2021-06-23
Unknown	Coaxial Cable	C-SJ00-0010	C0010/01	Each time	N/A
E-Microwave	Blocking Control	EMDCB- 00036	0E01201048	Each time	N/A
E-Microwave	Coaxial Attenuators	EMCA10- 5RN-6	OE01203239	Each time	N/A
E-Microwave	Two-way Spliter	ODP-1-6-2S	OE0120142	Each time	N/A

\* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

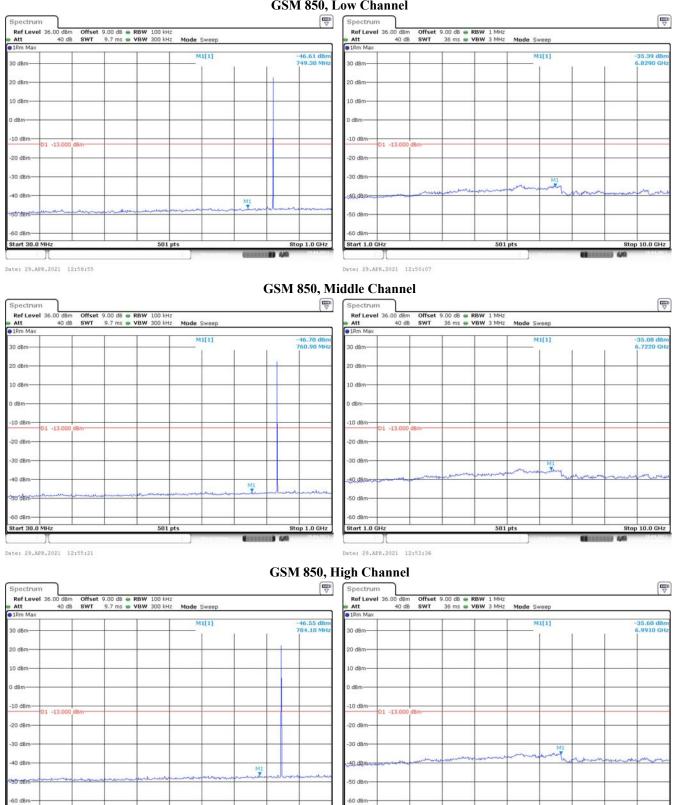
# **Test Data**

### **Environmental Conditions**

Temperature:	26.1~29.6 °C		
<b>Relative Humidity:</b>	43~49%		
ATM Pressure:	100.3~101.5kPa		
Tester:	Theshy Xie		
Test Date:	2021-04-27~2021-05-19		

Test Result: Compliance. Please refer to the following plots.

### Report No.: RDG210406003-00C



Stop 1.0 GHz

100

Start 1.0 GH

Date: 29.APR.2021 13:01:02

#### **GSM 850, Low Channel**

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4.50

Stop 10.0 GHz

501 pts

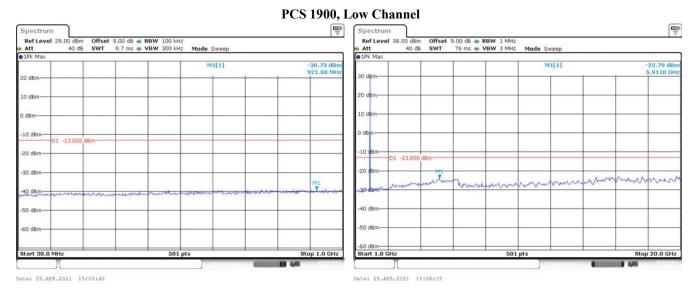
Date: 29.APR.2021 13:00:12

Start 30.0 MH

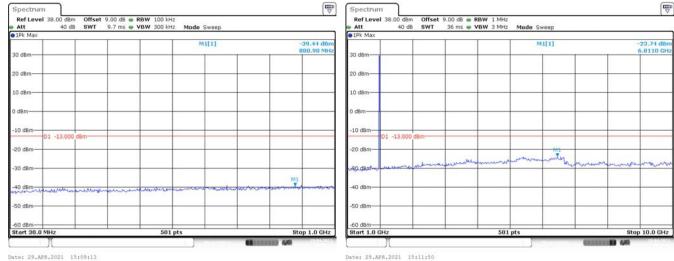
501 pts

#### Report No.: RDG210406003-00C

#### Bay Area Compliance Laboratories Corp. (Dongguan)



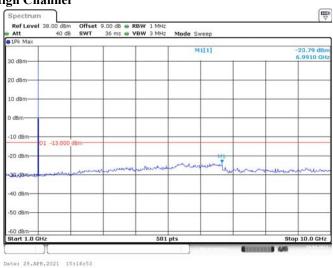
PCS 1900, Middle Channel



Date: 29.APR.2021 15:09:13

#### PCS 1900, High Channel

♥ Spectrum Offset 9.00 dB • RBW 100 kHz SWT 9.7 ms • VBW 300 kHz Ref Level 38.00 dBm Mode Sweet Att 40 dB 1Pk Max MI[1] -39.02 d 995.20 M 30 dBm 20 dBm 10 dBn ) dBm 10 dBr 01 -13.000 20 dBm 30 dBm 40 dBmun 50 dBn Stop 1.0 GHz Start 30.0 MH 501 pts .... 12 Date: 29.APR.2021 15:13:12



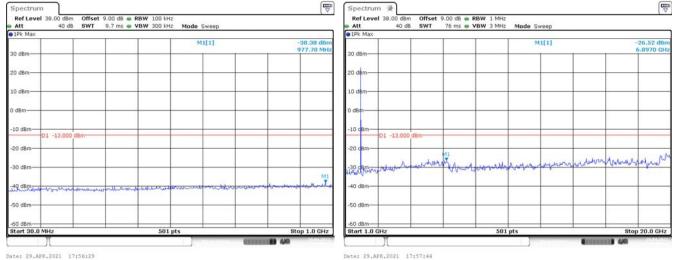
#### 1 Spectrum Spectrum Ref Level 38.00 dBm Offset 9.00 dB RBW 100 kHz Att 40 dB SWT 9.7 ms VBW 300 kHz Ref Level 38.00 dB L 10 dBm Offset 9.00 dB RBW 1 MHz 40 dB SWT 76 ms VBW 3 MHz Mode Sweep Mode Sweep Att 1Pk Max 1Pk Max M1[1] M1[1] 38.32 d 24.14 d 933.20 M 7830 GH 30 dBn 30 d8 20 dBm 20 d 0 dBr 10 dBr 10 dBm -10 0 01 -13.00 01 -13.0 20 dBm -20 in non AMA 30 dBn 30 MI 40 dBm 40 dB 50 dBn 50 dBr Stop 20.0 GHz art 30.0 MHz 501 pts Stop 1.0 GHz Start 1.0 GHz 501 pts 8 6,00 8 630

#### WCDMA Band II, R99, Low Channel

Date: 29.APR.2021 17:51:45

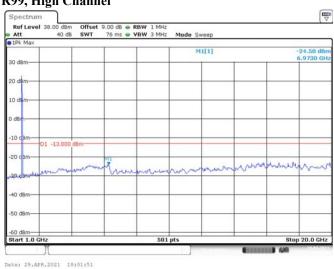
Date: 29.APR.2021 17:54:09

# WCDMA Band II, R99, Middle Channel

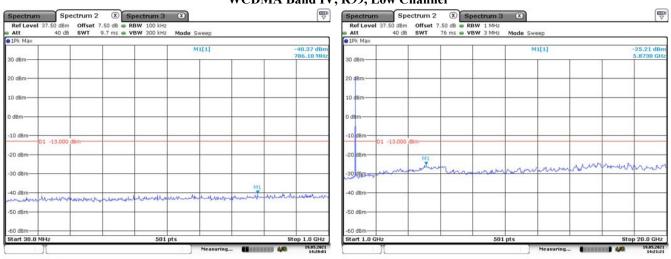


WCDMA Band II, R99, High Channel

Spectrum Offset 9.00 dB • RBW 1 MHz SWT 1 ms • VBW 3 MHz Ref Level 38.00 dBm Mode Sweep Att 40 dB 1Pk Max MI[1] 29.67 d 638.90 M 30 dBm 20 dBm 0 dBr ) dBm 10 dBr 01 -13.00 -20 dBr Alex 30 dBr hickey . 40 dBm 50 dBn Stop 1.0 GHz Start 30.0 MH 501 pts Date: 29.APR.2021 17:59:42



#### Report No.: RDG210406003-00C

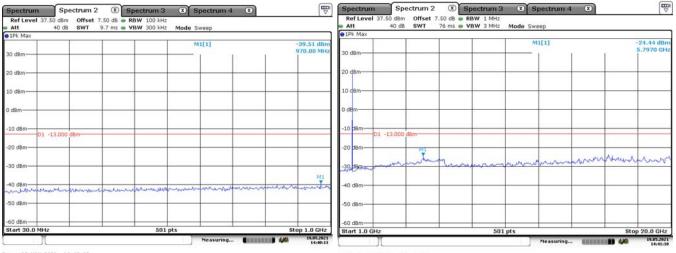


#### WCDMA Band IV, R99, Low Channel

Date: 19,MAY,2021 14:20:01

Date: 19.MAY.2021 14:21:21

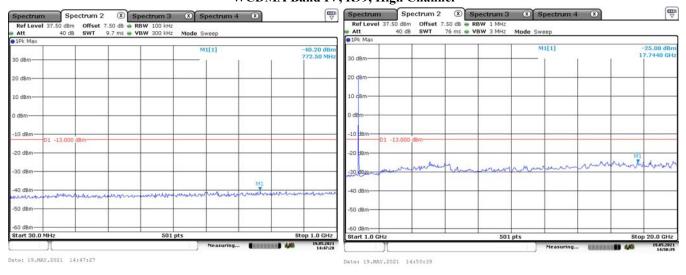
### WCDMA Band IV, R99, Middle Channel



Date: 19.MAY.2021 14:40:13

Date: 19.MAY.2021 14:41:10

#### WCDMA Band IV, R99, High Channel

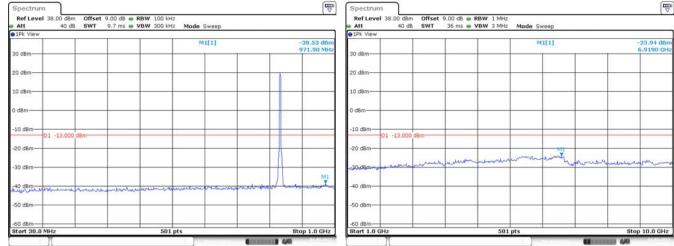


#### WCDMA Band V, R99, Low Channel Spectrum Spectrum Ref Level 38.00 dBm Offset 9.00 dB RBW 100 kHz Att 40 dB SWT 9.7 ms VBW 300 kHz PIPk View 100 kHz 100 kHz 100 kHz 100 kHz Ref Level 38.00 dBm 00 dBm Offset 9.00 dB • RBW 1 MHz 40 dB SWT 36 ms • VBW 3 MHz Mode Swee Att Mode Sweep • 1Pk Vie MI[1] M1[1] -37.04 di -23.76 dBn 6.9910 GH: 869.00 MH 30 dBm 30 dBm 0 dBr 20 dE 10 dBm 10 dB dBrr dBr -10 dBm 10 dBrr 01 -13.00 01 -13.00 20 dBm -20 dBn 30 dBm 10.d MI 40 dBr 40 dBm-3.-0 50 dBn -50 dBn Start 1.0 GHz Start 30.0 MHz 501 pts Stop 1.0 GHz 501 pts Stop 10.0 GHz 8 440 4.30

Date: 1.MAY.2021 11:09:39

Date: 1.MAY.2021 11:11:03

# WCDMA Band V, R99, Middle Channel



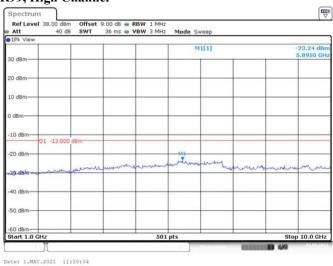
Date: 1.MAY.2021 11:13:54

Date: 1.MAY.2021 11:16:03

### WCDMA Band V, R99, High Channel

**T** Spectrum 
 Ref Level
 38.00 dBm
 Offset
 9.00 dB
 RBW
 100 kHz

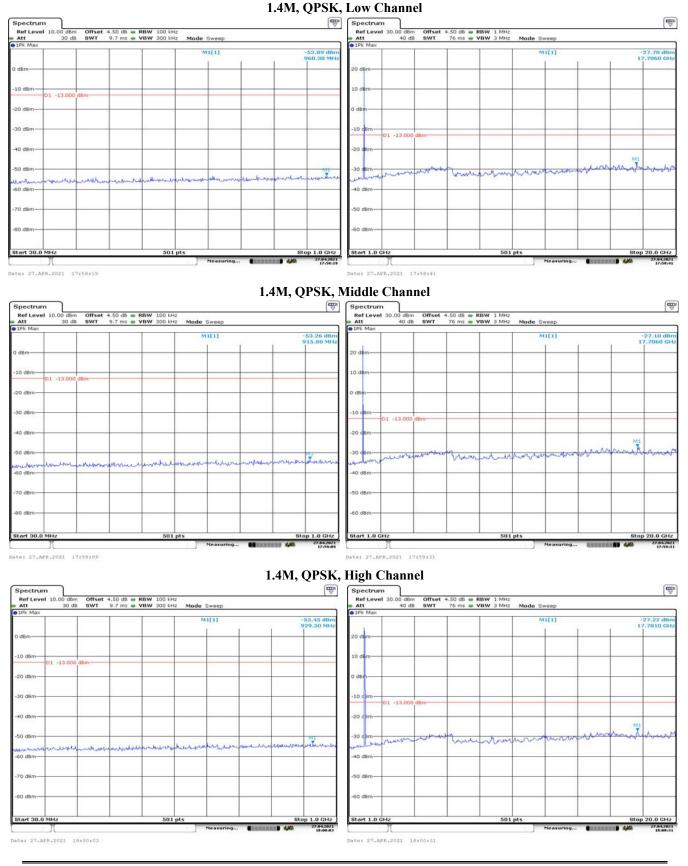
 Att
 40 dB
 SWT
 9.7 ms
 VBW
 300 kHz
 Mode Sweep 1Pk Vie MI[1] -38,77 dB 890.60 MH 30 dBm 20 dBm 10 dBm dBr 10 dBm 01 -13.00 20 dBm 30 dB M1 40 dBm-50 dBm Stop 1.0 GHz tart 30.0 Mł 501 pts 1010 444 Date: 1.MAY.2021 11:18:29



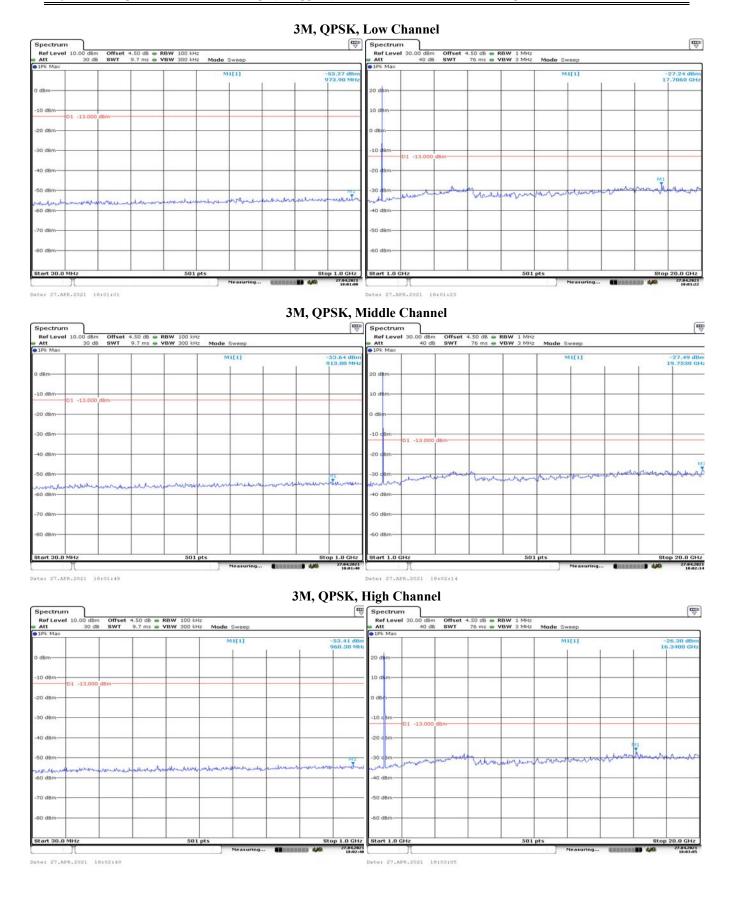
Report No.: RDG210406003-00C

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### LTE Band 2:



#### Report No.: RDG210406003-00C



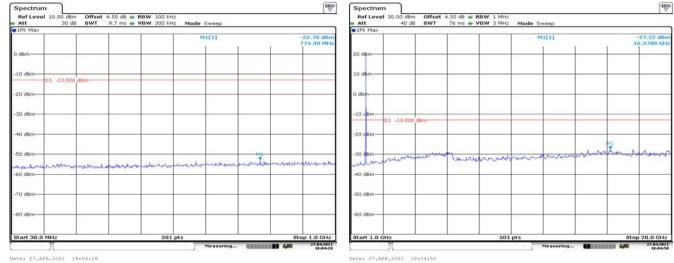
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#### Spectrum Ref Level 30.0 Att 1Pk Max Email ▽ Spectrum Ref Level 10.00 Att 3 1Pk Max Offset SWT Offset 4.50 dB . RBW 1 MHz SWT 76 ms . VBW 3 MHz 4.50 dB . RBW 100 kHz 9.7 ms . VBW 300 kHz 30 dB Mode Sweep 40 dB Mode Sweep -53.13 dt 962.20 M M1[1] M1[1] -27.00 dB 10 4 -10 dBm 20 dB 30 de -10 01 -13.0 40 dB -20 M1 50 de in more ush -60 dBr -40 dBr 70 dB 50 di art 30. 501 501 pt 4.40 1.00 7,04,2021

Date: 27.APE.2021 18:03:34

Date: 27.APR.2021 18:03:59

# 5M, QPSK, Middle Channel



# 5M, QPSK, High Channel

(IIII) ♥ Spectrum Ref Level 10.00 dBm Att 30 dB 1Pk Max Offset 4.50 dB = RBW 100 kHz SWT 9.7 ms = VBW 300 kHz Mode Swee 53.19 dB 86.10 MF 10 d 1 -13.0 30 de 40 di mun 1 has 50 d 70 10 d Start 30.0 MHz 501 pt Stor 1.0 GH Date: 27.APR.2021 18:05:19

Ref Level 30.00 dBm Offse Att 40 dB SWT	t 4.50 dB   RBW 1 MH 76 ms   VBW 3 MH			( <del>"</del>
1Pk Max		M1[1]		-26.98 dBr
		the state of the s	7 7	17.7440 GH
20 dbm				-
10 dl-m				
0 d8n				_
-10 cBm		-		
-20 cBm-				
-30 cBm	-	Number	man	Laguer
-30 dBm	2. and marked the	manufact		
-40 dBm		-		
-50 dBm				
-60 dBm				_
Start 1.0 GHz	50	1 pts	s	top 20.0 GHz
T		Measuring		27.04.202

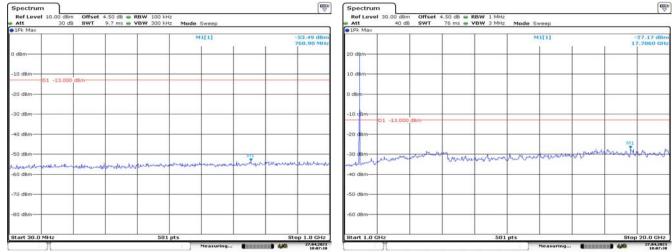
# 5M, QPSK, Low Channel

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#### 10M, QPSK, Low Channel Spectrum Ref Level 30.00 Att (IIII) ▽ **⊞** Spectrum Ref Level 10.00 Att 3 1Pk Max Offset 4.50 dB • RBW 1 MHz 8WT 76 ms • VBW 3 MHz Offset SWT 4.50 dB . RBW 100 kHz 9.7 ms . VBW 300 kHz Mode Swee 30 dB Mode Swee 40 dB M1[1] 52.76 dt M1[1] -27.63 dB 16.0370 GF 10 dBn 20 dB 30 de 01 -13.00 40 d8 50 de Alle 60 dB 40 dBr 70 dB 50 c 501 501 4.40 1.00 7.04.2021

#### 10M, QPSK, Middle Channel

Date: 27.APR.2021 18:06:40

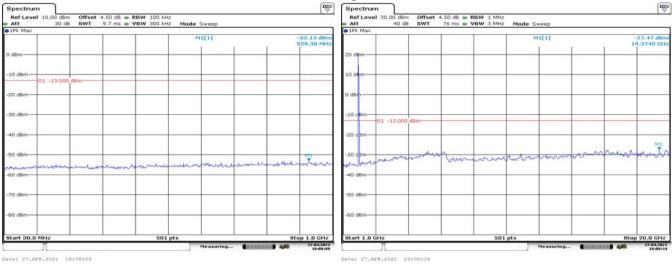


Date: 27.APE.2021 18:07:10

Date: 27.APR.2021 18:06:12

Date: 27.APR.2021 18:07:39

# 10M, QPSK, High Channel



Report No.: RDG210406003-00C

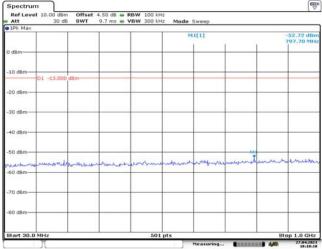
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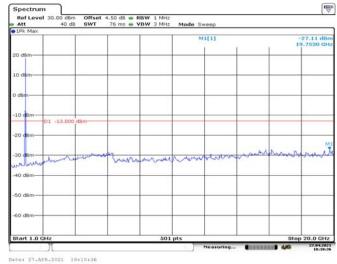
#### 15M, QPSK, Low Channel Spectrum Ref Level 30.00 Att 1Pk Max [ □ □ Spectrum Ref Level 10.00 Att 3 1Pk Max Offset SWT Offset 4.50 dB RBW 1 MHz SWT 76 ms VBW 3 MHz 4.50 dB . RBW 100 kHz 9.7 ms . VBW 300 kHz 30 dB Mode Swee 40 dB Mode Swee -53.04 dt 915.80 M M1[1] M1[1] -27.06 dBr 19.7530 GH -10 dBm 20 dB 30 de -13.0 40 d8 50 d8 ver T المد السام 60 dBn -40 dBr 70 dB 50 d 501 ER 430 ..... 7.04.2021 4.90

#### Date: 27.APR.2021 18:09:13

Date: 27.APR.2021 18:09:38

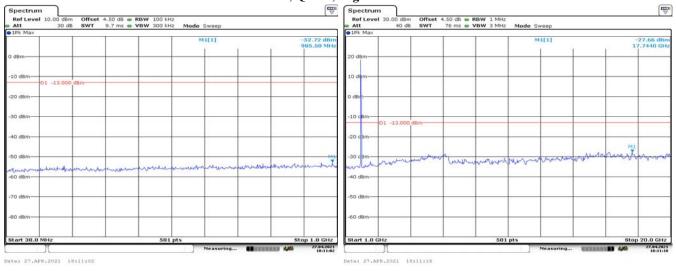
# 15M, QPSK, Middle Channel





Date: 27.APR.2021 18:10:11

#### 15M, QPSK, High Channel



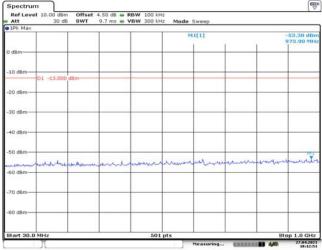
#### Spectrum Ref Level 30.00 • Att • 1Pk Max **₩** Spectrum Ref Level 10.00 Att Offset 4.50 dB • RBW 100 kHz SWT 9.7 ms • VBW 300 kHz Offset 4.50 dB • RBW 1 MHz SWT 76 ms • VBW 3 MHz 30 dB Mode Sweet 40 dB Mode Sweep -53.46 dB 917.70 MF M1[1] M1[1] -26.78 dB 15.6580 G 10 dBm 1 -13.0 20 dBr 10 d 01 -13.00 40 dB M1 50 dB when mas T alle all where mound - Ju lds Hund 60 dBm 40 dB O dB 501 1.0 0.0 4.00 4.30 7.84.2021

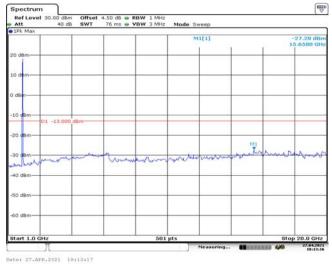
#### 20M, QPSK, Low Channel

Date: 27.APE.2021 18:11:54

Date: 27.APR.2021 18:12:19



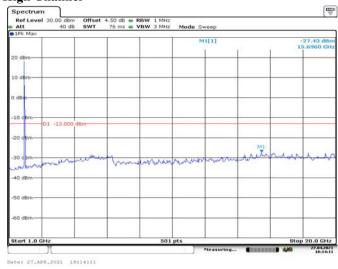




Date: 27.APR.2021 18:12:51

#### 20M, QPSK, High Channel

Spectrum Ref Level 10.00 dBm Att 30 dB Offset 4.50 dB = RBW 100 kHz SWT 9.7 ms = VBW 300 kHz Mode Sweep -53.38 dB 892.50 Mi 10 di 1 -134 30 dBr 40 dBn www. mel Rece n de 80 dB Start 30.0 MHz 501 pts Stop 1.0 GHz 4.30 27.84.2821 Date: 27.APR.2021 18:13:46



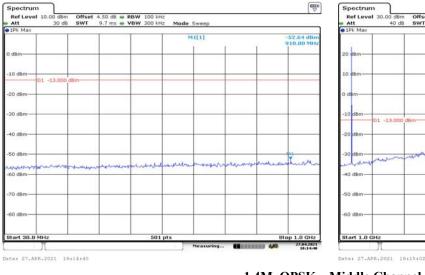
Report No.: RDG210406003-00C

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#### Report No.: RDG210406003-00C

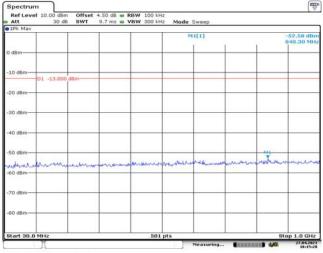
### LTE Band 4:

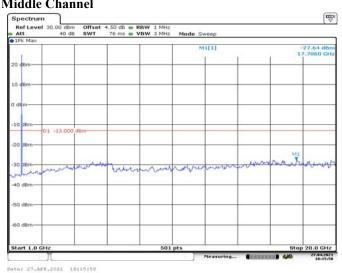
#### 1.4M, QPSK, Low Channel



Spectrum Ref Level 30.00 dBm Att 40 dB Email ▽ Offset 4.50 dB 
RBW 1 MHz
BWT 76 ms 
VBW 3 MHz Mode Swee M1[1] -27.29 dBr 15.7340 GH 01 -13.00 MI L horry when Stop 20.0 GH 501 pt A10

# 1.4M, QPSK, Middle Channel

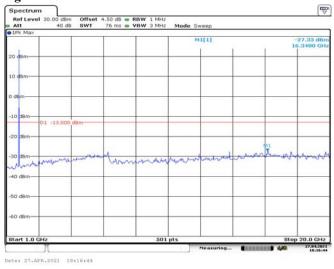




Date: 27.APR.2021 18:15:28

# 1.4M, QPSK, High Channel

Spectrum Ref Level 10.00 di Att 30 □□□ Offset SWT Mode Sweep M1[1] 53.10 di -10 dB 01 -13. 20 d an de 40 dBn 50 d Alah 70 de 80 d8 Start 30.0 MH 501 1.0.0 Date: 27.AFE.2021 18:16:26



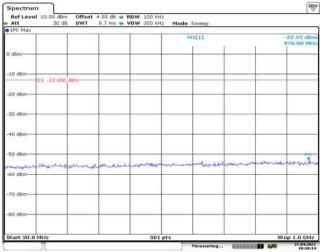
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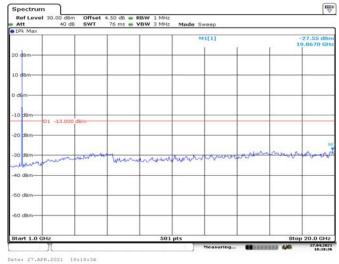
#### 3M, QPSK, Low Channel Spectrum Ref Level 30.00 Att 1Pk Max Emi ▽ Spectrum Ref Level 10.00 Att 3 Offset 4.50 dB • RBW 100 kHz SWT 9.7 ms • VBW 300 kHz Offset 4.50 dB · RBW 1 MHz SWT 76 ms · VBW 3 MHz 30 dB Mode Sweep 40 dB Mode Swee -53.02 dBi 720.20 Mi M1[1] M1[1] 27.62 dB 10 dBn 01 -13.00 20 dB 30 dB 01 -13.0 40 dB Ţ 50 dB Unda ww m me heater des. minul when ohen hand w 60 dBr 40 dBr 70 d8 50 d art 30. 501 501 pt 10 4.30 18:17:14 4.30

#### Date: 27.APR.2021 18:17:14

Date: 27.APR.2021 18:17:33

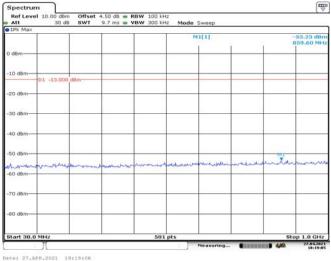
### 3M, QPSK, Middle Channel

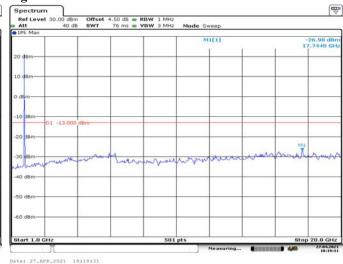




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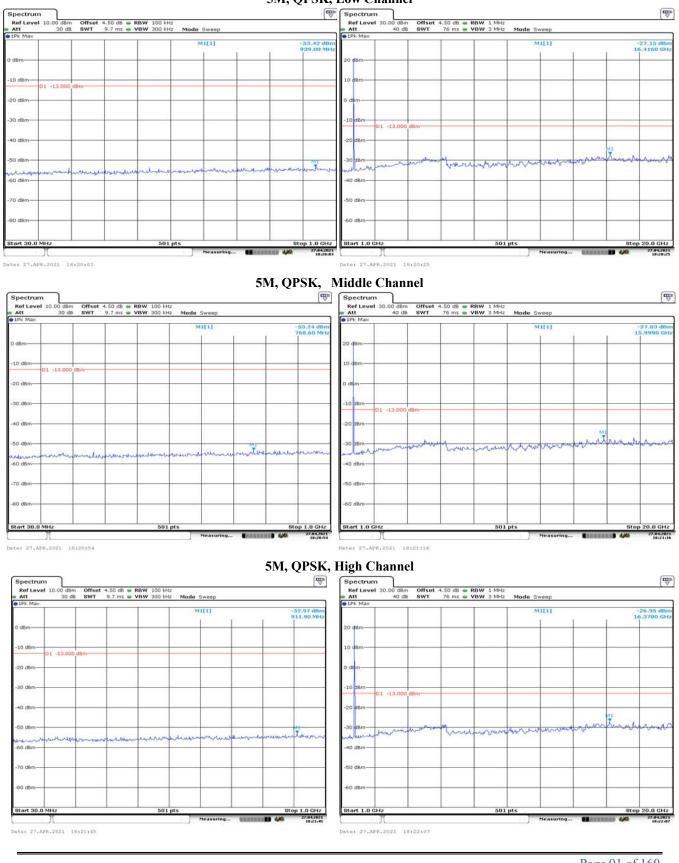
### 3M, QPSK, High Channel





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### 5M, QPSK, Low Channel

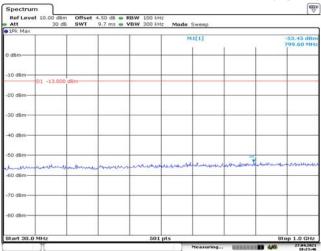
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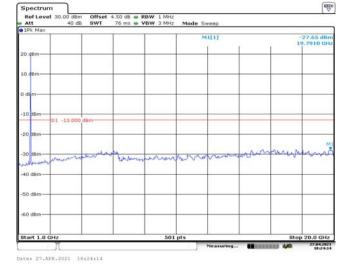
#### 10M, QPSK, Low Channel Spectrum Ref Level 30.0 Att **⊞** Emi ▽ Spectrum Ref Level 10.00 Att Offset 4.50 dB • RBW 100 kHz SWT 9.7 ms • VBW 300 kHz Offset 4.50 dB · RBW 1 MHz SWT 76 ms · VBW 3 MHz Mode Sweep 30 dB Mode Swee 40 dB -53.00 dBr 929.30 MH M1[1] M1[1] -27.27 dB 10 dBm 01 -13.0 20 dBr 10 d 01 -13.0 40 dB 50 dB then regne miline ALA di workin al. aline 40 dBr O dB 50 d 501 1.0 501 pt Measuring 4.00 100 430 7.84.2021

Date: 27.APE.2021 18:22:41

Date: 27.APR.2021 18:23:09

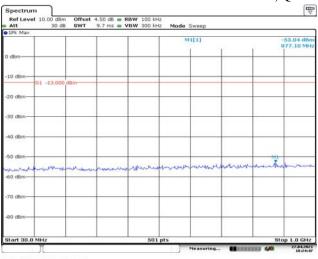
# 10M, QPSK, Middle Channel



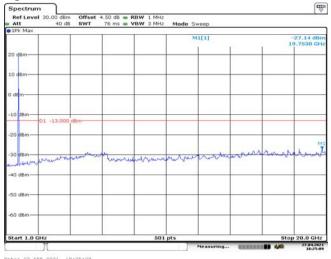


Date: 27.APR.2021 18:23:46

### 10M, QPSK, High Channel



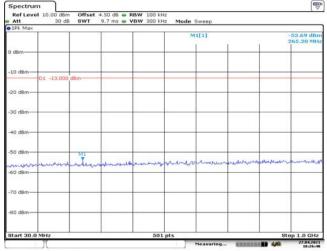
Date: 27.APR.2021 18:24:47

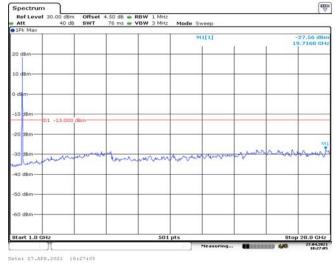


Date: 27.APE.2021 18:25:09

#### Spectrum Ref Level 30.0 Att 1Pk Max Emi ▽ Spectrum Ref Level 10.00 Att 1Pk Max Offset 4.50 dB • RBW 100 kHz SWT 9.7 ms • VBW 300 kHz Offset 4.50 dB · RBW 1 MHz SWT 76 ms · VBW 3 MHz 30 dB Mode Swee 40 dB Mode Sweep -53.03 dB 927.40 M M1[1] M1[1] -27.24 dB 16.4160 GF dB -10 dBn 20 dB 30 di 01 -13.0 40 dB -50 dB LANA unator the tout in herent unter reliable Ant -60 dt 40 dBm 70 d£ 50 di 501 501 pt 4.00 4.20 7,04,202 Date: 27.APR.2021 18:25:42 Date: 27.APR.2021 18:26:10

# 15M, QPSK, Middle Channel

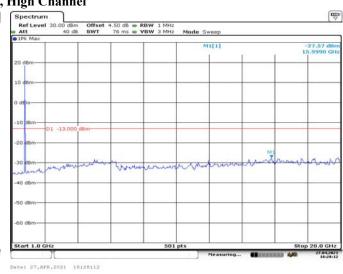




Date: 27.APR.2021 18:26:40

#### 15M, QPSK, High Channel

Spectrum Ref Level 10.00 dBm Att 30 dB 1Pk Max Offset 4.50 dB = RBW 100 kHz SWT 9.7 ms = VBW 300 kHz Mode Swee M1[1] 53.59 dB 10 dBr 1 -13.0 30 dBr 40 dBm intras Alund men And 50 dBm O dB 10 dB Stop 1.0 GHz Start 30.0 MHz 501 pts -27.84.2821 Date: 27.APE.2021 18:27:47



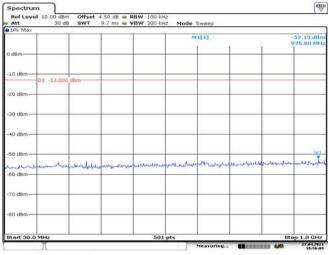
15M, QPSK, Low Channel

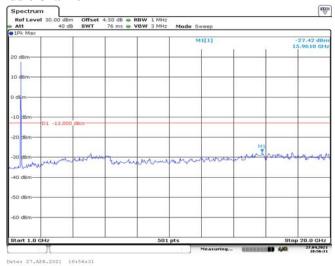
#### 20M, QPSK, Low Channel **₩** Spectrum Ref Level 30.00 Att 1Pk Max **₩** Spectrum Ref Level 10.00 Att 1Pk Max Offset 4.50 dB • RBW 100 kHz SWT 9.7 ms • VBW 300 kHz Offset 4.50 dB • RBW 1 MHz SWT 76 ms • VBW 3 MHz Mode Sweet 30 dB 40 dB Mode Sweep -52.73 dB 871.20 MF M1[1] M1[1] -27.38 d8 16.3400 G 10 di 20 d 01 -13.00 10 d T hour mun lun 50 di 40 d 501 0.0 1.00 18:55:11 4.30

Date: 27.APR.2021 18:55:11

### 20M, QPSK, Middle Channel

Date: 27.APR.2021 18:55:30

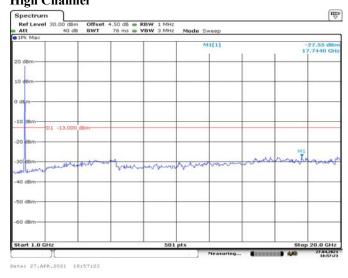




Date: 27.APR.2021 18:56:09

#### 20M, QPSK, High Channel

Spectrum Ref Level 10.00 dBm Att 30 dB [ Ţ Offset 4.50 dB = RBW 100 kHz SWT 9.7 ms = VBW 300 kHz Mode • 1Pk Ma -53.00 dB 803.50 Mi -10 d8 1 -13. 20 d 30 dBr 40 dBr ale. 4740 LALLA . J 60 d 70 dB 80 d8 Start 30.0 MH 501 pt 1.0 GHz Ste 27.04.2021 Date: 27.APE.2021 18:57:01



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### LTE Band 5:

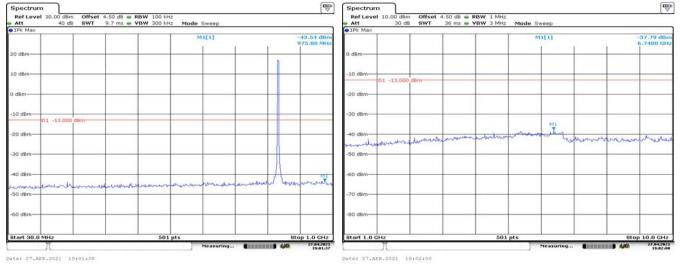
#### 1.4M, QPSK, Low Channel Spectrum Ref Level 10.00 Att Spectrum Ref Level 30.00 dBm Att 40 dB Email ▽ Offset SWT Offset 4.50 dB RBW 1 MHz SWT 36 ms VBW 3 MHz 4.50 dB • RBW 100 kHz 9.7 ms • VBW 300 kHz Mode Sweep 30 dB Mode Swee M1[1] 43,20 dB 644,70 MF M1[1] 38.60 dB 0 dBr 10 dB 0 d8 01 -13.0 20 d 10 dBr 30 dB 01 -13.0 MI 20 d8 40 di mert pur hal 50 dBm 40 dBr 60 dB where hind SO dBr 70 dB 30 di Stop 10.0 GH itart 30.0 501 Start 1.0 501 pt 1.0 GH .04.2021 Date: 27.APR.2021 18:58:04 Date: 27.APR.2021 18:58:27 1.4M, QPSK, Middle Channel **₩** Spectrum Spectrum Ref Level 10.00 dBm Att 30 dB Ref Level 30.00 dBm Att 40 dB 1Pk Max Offset 4.50 dB - RBW 100 kHz L 00 dBm Offset 4.50 dB RBW 1 MHz 30 dB SWT 36 ms VBW 3 MHz 40 dB SWT Mode Sweep Mode Sweet 9.7 ms - VBW 300 kHz -43.42 dB 619.60 MI M1[1] 1 -13.0 10 dBr 1 -13.0 MI 0.40 unt 50 dBm 30 di much a. -Ula 60 dBn Start 30.0 MHz Stop 1.0 GHz Start 1.0 GHz 501 pts Stop 10.0 GHz 501 pts ----Measuring... Measuring... 7.84.2821 7.0-1.202 л Date: 27.APR.2021 18:58:56 Date: 27.APR.2021 18:59:21 1.4M, QPSK, High Channel Spectrum Ref Level 10 ( ₩ **₩** Spectrum 4.50 dB RBW 1 MHz 36 ms VBW 3 MHz Offset SWT Ref Level 30.00 Offset 4.50 dB = RBW 100 kHz SWT 9.7 ms = VBW 300 kHz Mode Sweep Mode Sweep

37.48 dB M1[1] 42.66 dBn 60.30 MH 0.41 10 0 1 -13. 10 d T 20 di +0 di de unde meter 50 de when al luna 1 . a h a load a day et 30.0 MH Start 1.0 GHz 10.0 GH Date: 27.APH.2021 18:59:51 Date: 27.APR.2021 19:00:13

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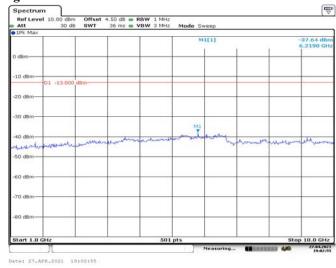
#### 3M, QPSK, Low Channel Spectrum Ref Level 10.00 Att 101Pk Max Spectrum Ref Level 30.00 Att Offset 4.50 dB • RBW 100 kHz SWT 9.7 ms • VBW 300 kHz 0 dBm Offset 4.50 dB • RBW 1 MHz 30 dB SWT 36 ms • VBW 3 MHz 40 dB Mode Sweep Mode Sweep -43,38 dB 991,30 MI 30.09 dB 5.8230 GF M1[1] M1[1] 10 dBn 20 dB 10 d 30 di 1 -13,0 M1 20 di 40 d Indo and a 1 44 20 di -50 d8m lo di 60 dBr Marya nerely 14 ala. 70 d 501 Measuring 430 7.04.2021 Date: 27.APR.2021 19:00:43 Date: 27.APR.2021 19:01:05

# 3M, QPSK, Middle Channel



### 3M, QPSK, High Channel

Spectrum Ref Level 30.00 dBm Att 40 dB Offset 4.50 dB • RBW 100 kHz SWT 9.7 ms • VBW 300 kHz Mode Swee -42.45 dB 815.10 M 0 dBr 10 dBr 01 -13.0 20 dBr T.J vand Start 30.0 MH 501 pt 1.0 GHz Ste 7.04.2021 Date: 27.APR.2021 19:02:33

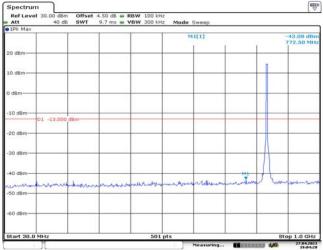


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#### 5M, QPSK, Low Channel Spectrum Ref Level 10.0 Att 1Pk Max Spectrum Ref Level 30.00 Att 4 1Pk Max Offset SWT Offset 4.50 dB • RBW 1 MHz SWT 36 ms • VBW 3 MHz 4.50 dB . RBW 100 kHz 9.7 ms . VBW 300 kHz 40 dB Mode Swee 30 dB Mode Swee M1[1] -44.04 dB 578.90 MI M1[1] 08.07 dBr .8410 GH 10 dBn 01 -13.0 20 dB 10 dB 10 d -13.0 M1 20 d8 40 di , hours M.A. unde 144 nem trun 4.4 ingen 20 dB -50 dBm 40 dB 60 dBr T. 0 0 50 501 pt 4.40 120 7,04,2021 Maasusiaa Date: 27.APR.2021 19:03:34 Date: 27.APR.2021 19:03:56

# 5M, QPSK, Middle Channel



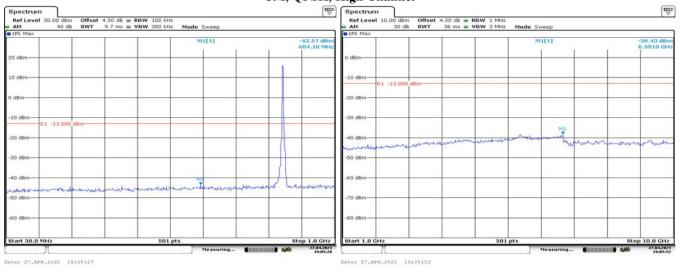


Date: 27.APE.2021 19:04:29

20 d8

10 d8

#### 5M, QPSK, High Channel

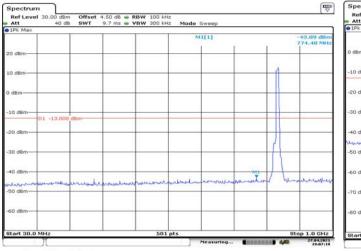


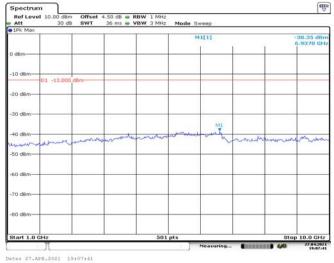
#### Spectrum Ref Level 10.0 Att 1Pk Max Spectrum Ref Level 30.00 Att 1Pk Max Offset 4.50 dB RBW 100 kHz SWT 9.7 ms VBW 300 kHz Offset 4.50 dB • RBW 1 MHz SWT 36 ms • VBW 3 MHz 40 dB Mode Sweep 30 dB Mode Swee 42.66 dB 38.34 dB 5.8230 GF M1[1] M1[1] 20 di 10 dBn 10 d8 1 -13.0 MI 20 de mas Much . ...... ..... moto 30 dB 50 dBm 40 dB 0 de T. Mar nerch 421 i. 50 di 50 430 4.00 7.04.2021 Date: 27.APR.2021 19:06:48

#### 10M, QPSK, Low Channel

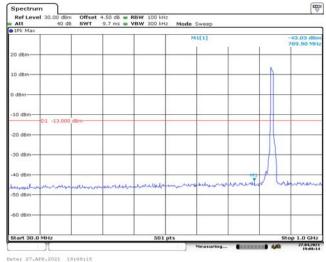
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#### 10M, QPSK, Middle Channel

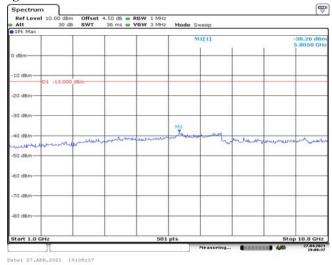




Date: 27.APR.2021 19:07:19



#### 10M, QPSK, High Channel



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