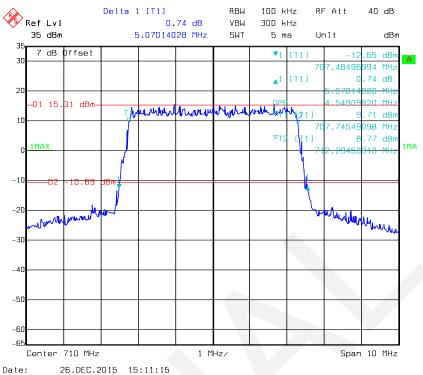
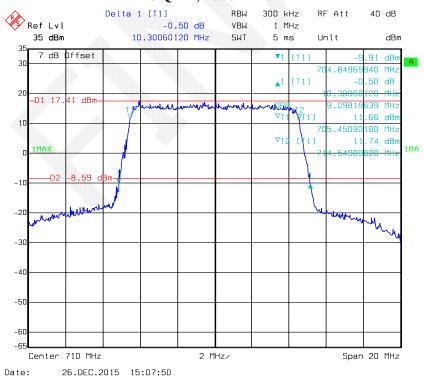
### 16-QAM, Band 17-5M



### 16-QAM, Band 17-10M



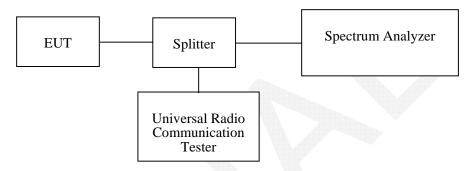
## **Applicable Standard**

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	FSP 38	100478	2015-11-23	2016-11-22
R&S	Universal Radio Communication Tester	CMU200	109038	2015-05-09	2016-05-09
R&S	Wideband Radio Communication Tester	CMW500	1201.002K50- 146520-wh	2015-12-19	2016-12-19

<sup>\*</sup> 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**

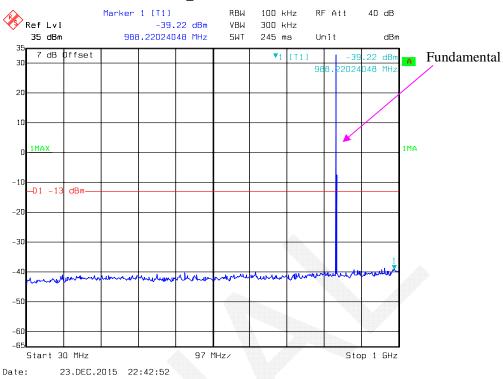
Temperature:	22.5~25.3		
Relative Humidity:	46~52%		
ATM Pressure:	101~101.7 kPa		

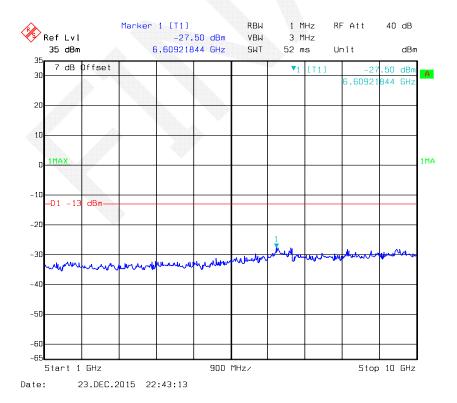
The testing was performed by Dean Liu from 2015-12-23 to 2015-12-26

Please refer to the following plots.

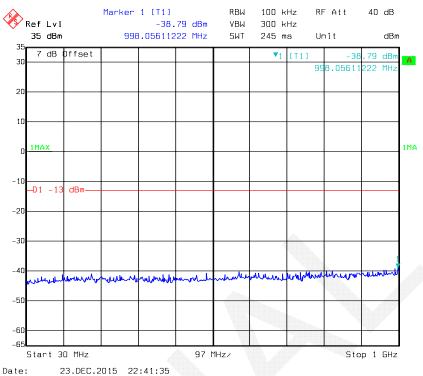
Report No.: RSZ151216006-00C

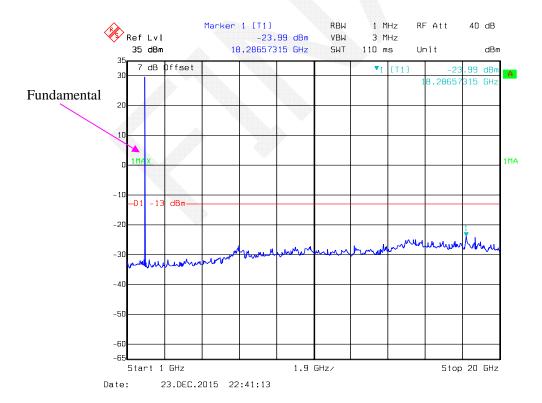
### **GSM850\_Middle Channel**



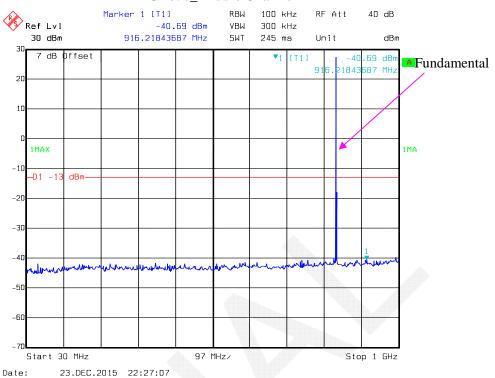


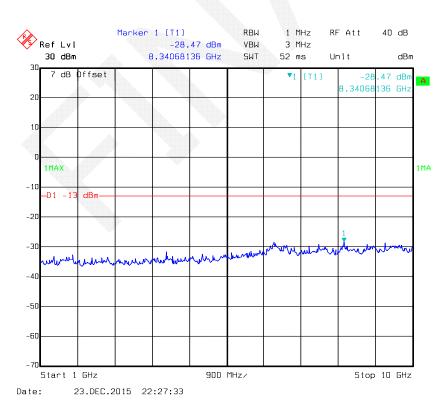
### PCS 1900\_ Middle Channel





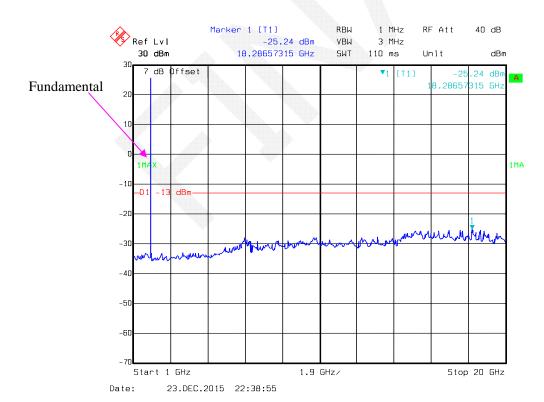
### **EDGE850\_Middle Channel**



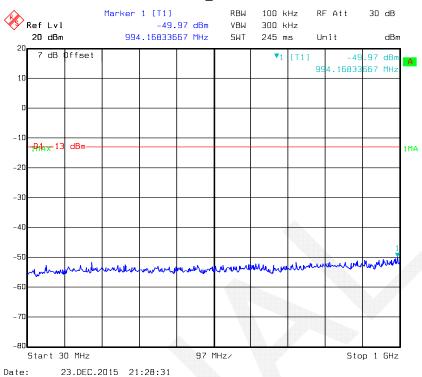


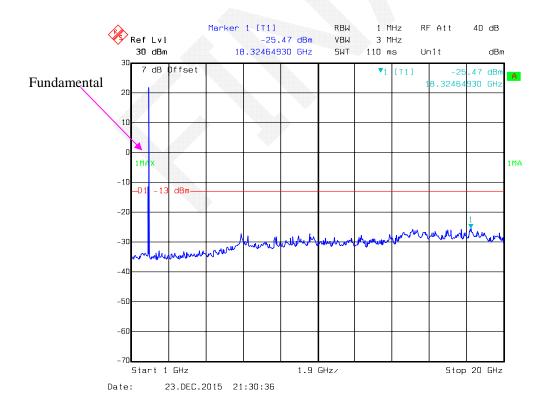
## EDGE1900\_ Middle Channel



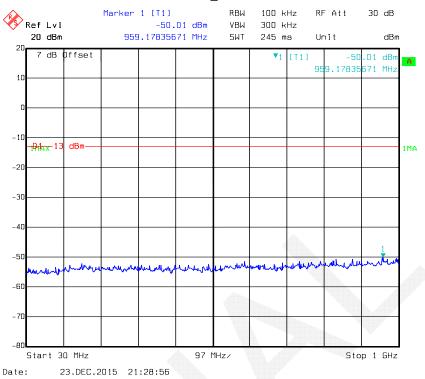


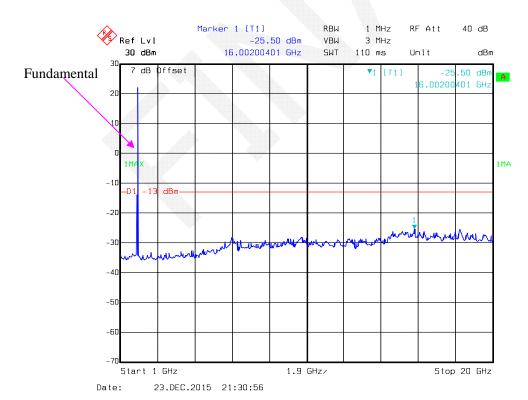
## **REL99 Band II\_ Middle Channel**



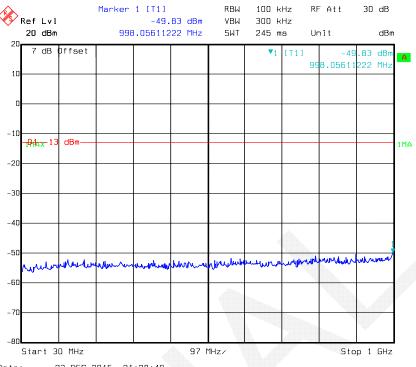


### **HSDPA Band II \_Middle Channel**

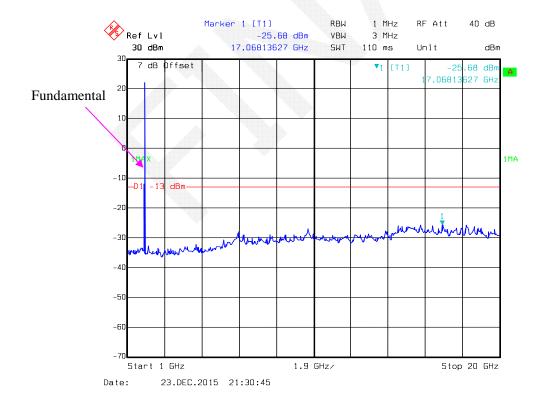




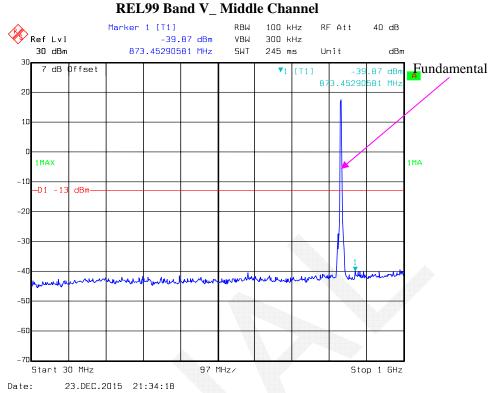
### **HSUPA Band II** \_ **Middle Channel**

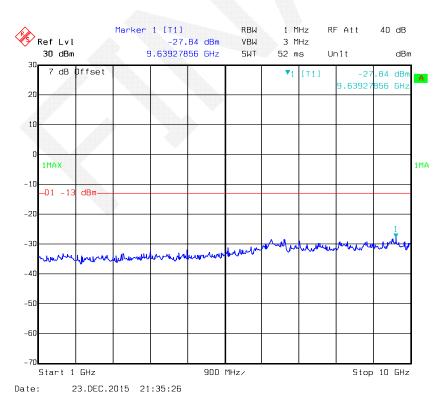




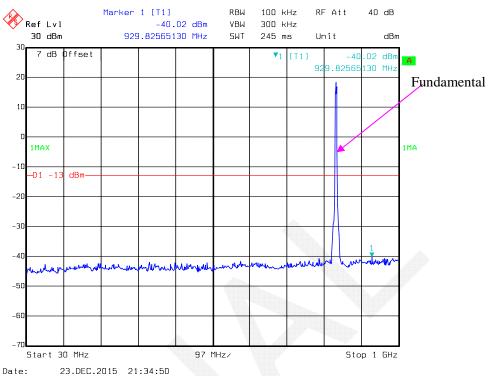


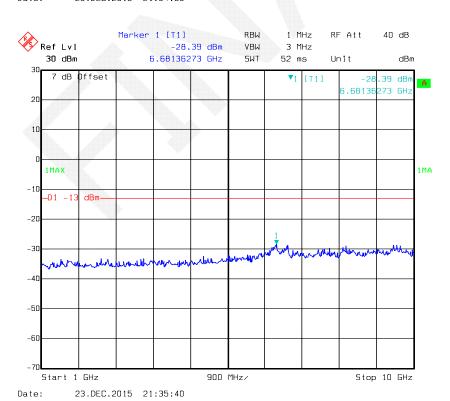
Report No.: RSZ151216006-00C





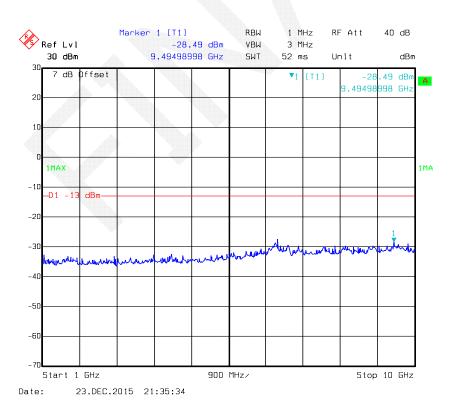
# $HSDPA \ Band \ V\_ \ Middle \ Channel$





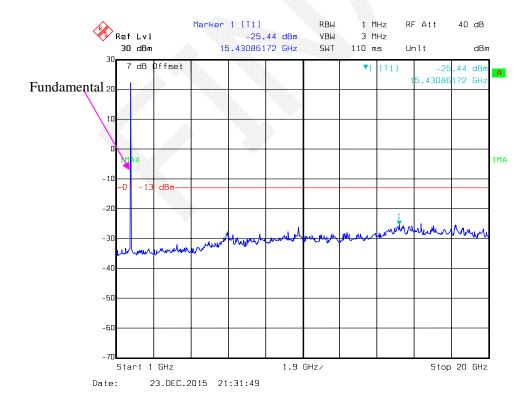
### **HSUPA Band V\_Middle Channel**





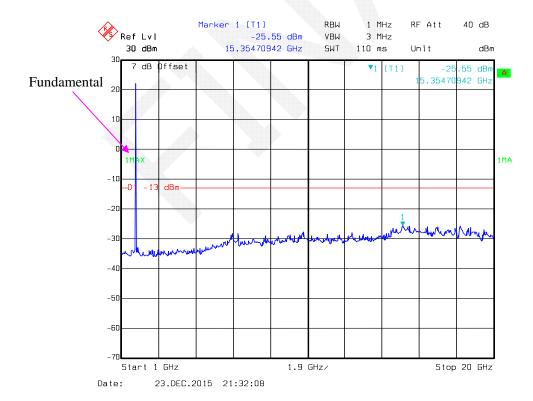
## **REL99 Band IV\_ Middle Channel**



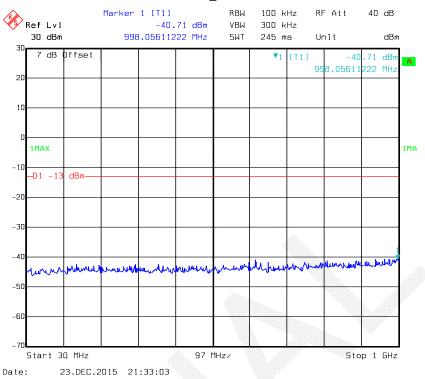


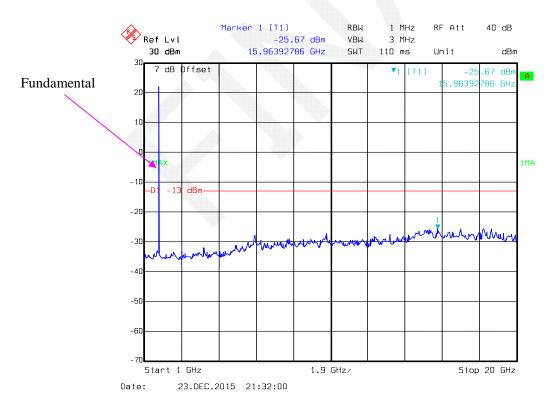
### **HSDPA Band IV\_Middle Channel**





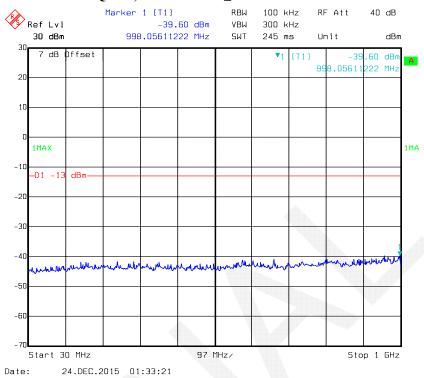
## **HSUPA Band IV\_Middle Channel**

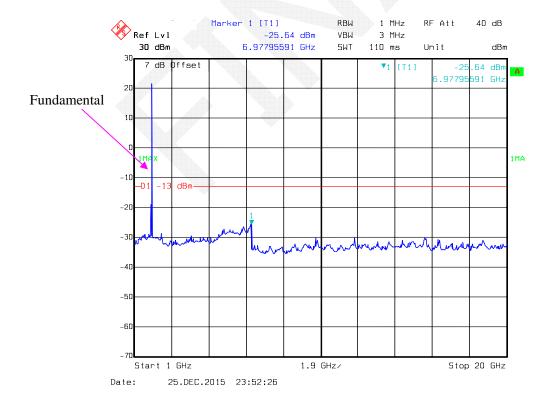




#### LTE Band:

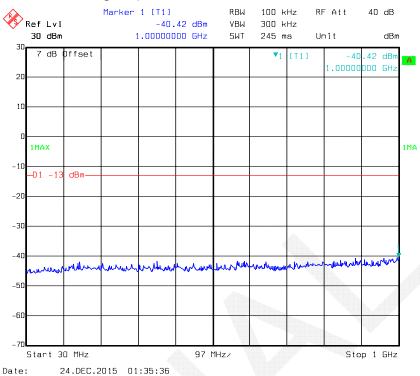
### QPSK, Band 2-1.4M \_ Middle Channel

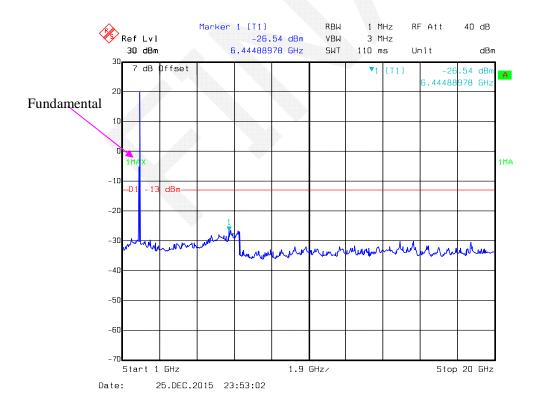




Report No.: RSZ151216006-00C

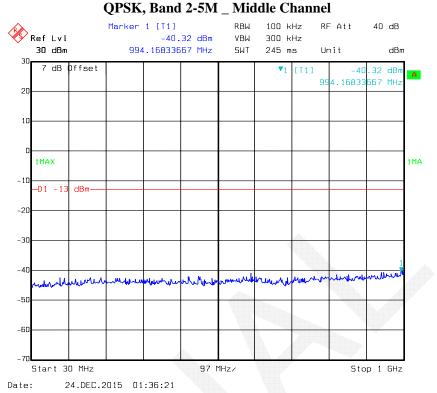
### QPSK, Band 2-3M \_ Middle Channel

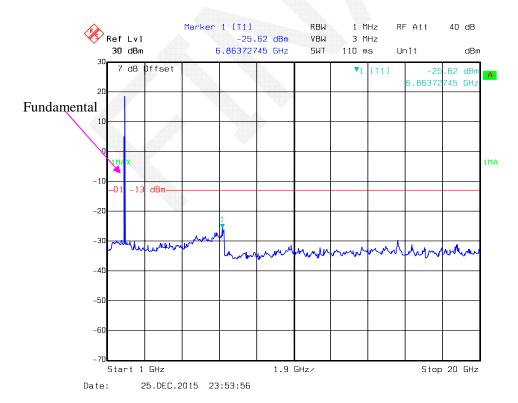




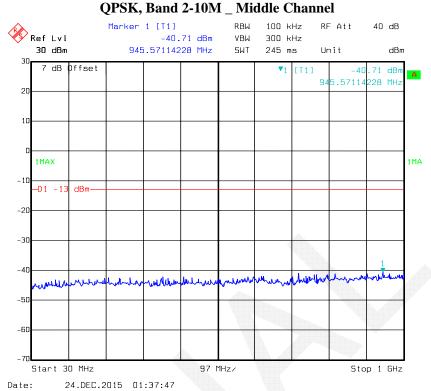
#### ADOLT D. 14 FM MC111 CI. 1

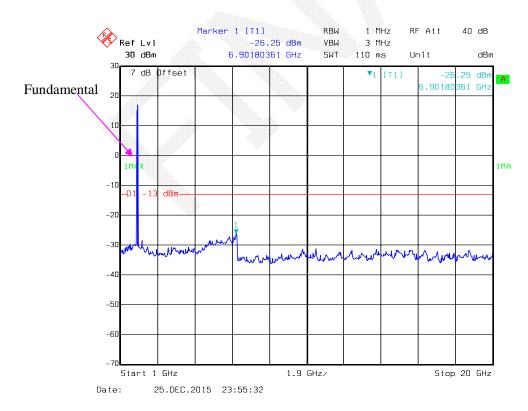
Report No.: RSZ151216006-00C



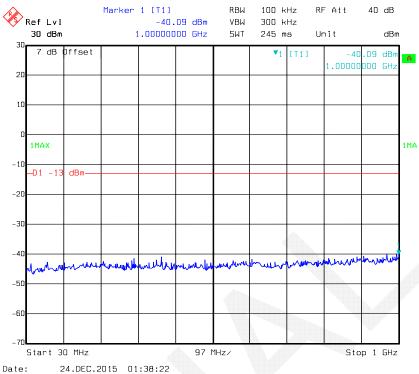


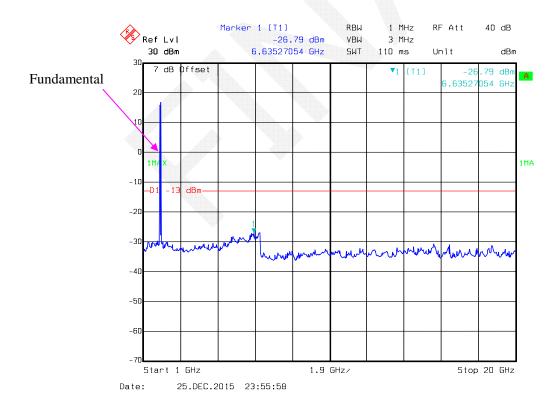
Report No.: RSZ151216006-00C



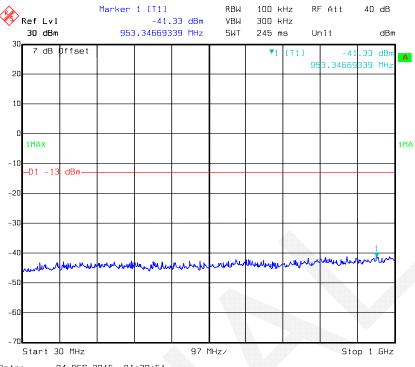


## QPSK, Band 2-15M \_ Middle Channel

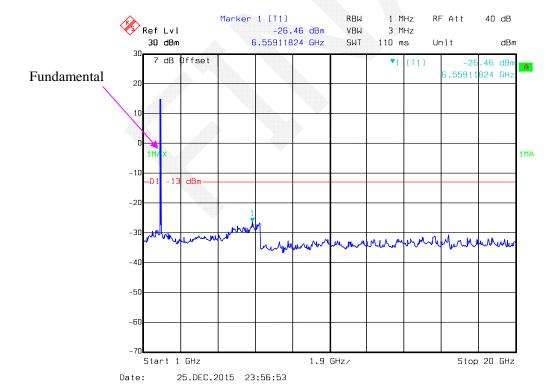




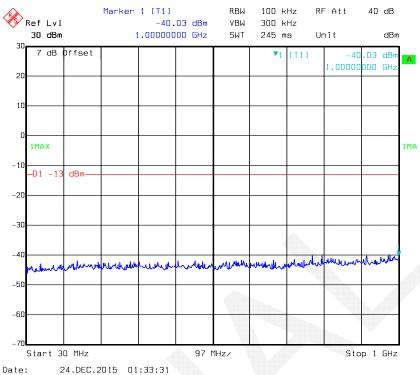
# QPSK, Band 2-20M $\_$ Middle Channel

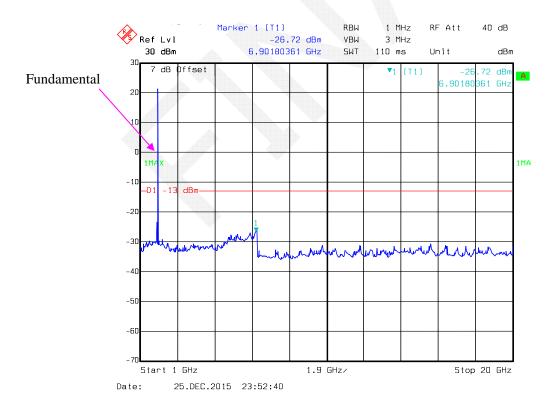




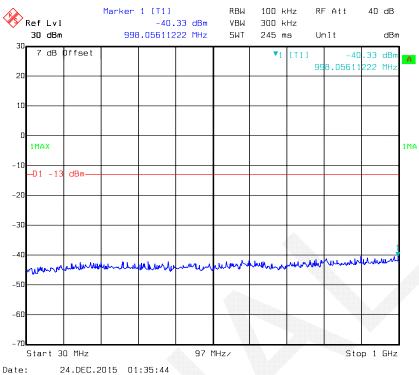


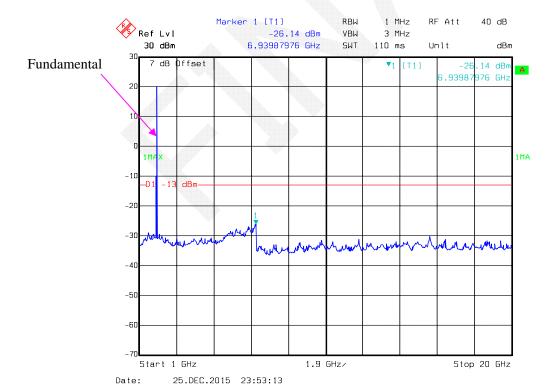
## 16-QAM, Band 2-1.4M \_ Middle Channel



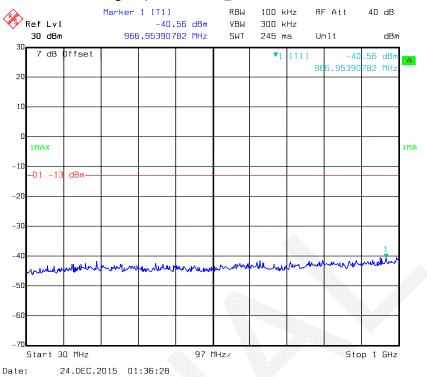


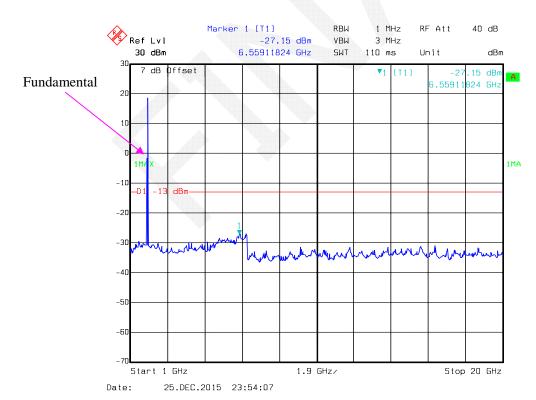
### 16-QAM, Band 2-3M \_ Middle Channel





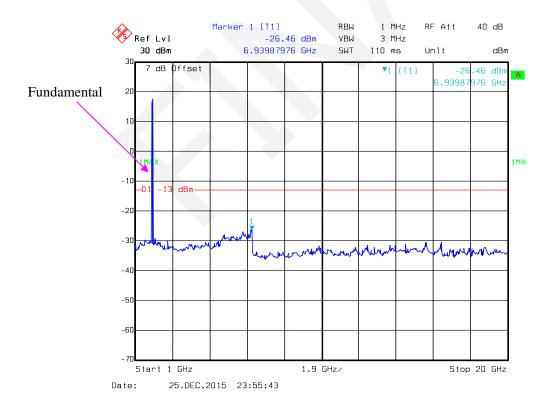
### 16-QAM, Band 2-5M \_ Middle Channel



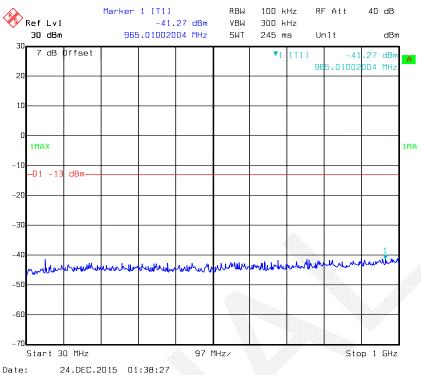


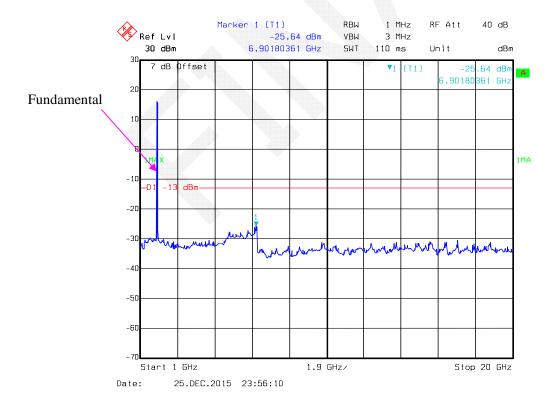
## 16-QAM, Band 2-10M \_ Middle Channel



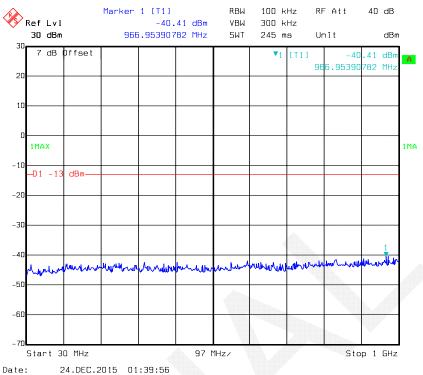


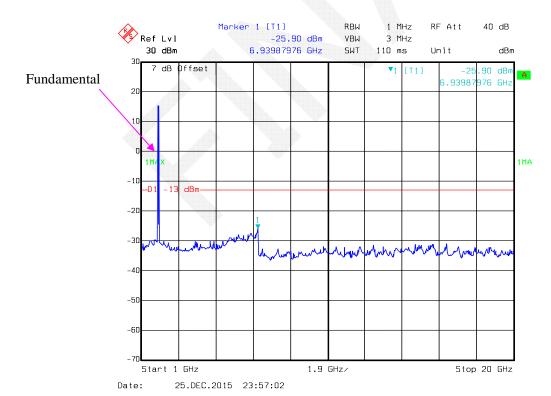
## 16-QAM, Band 2-15M \_ Middle Channel



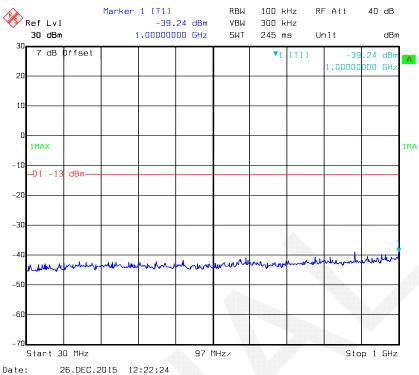


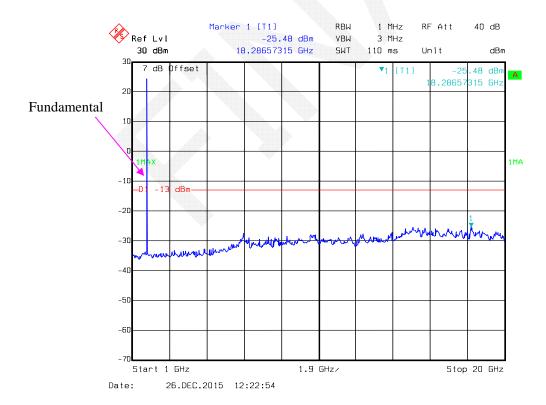
## 16-QAM, Band 2-20M \_ Middle Channel





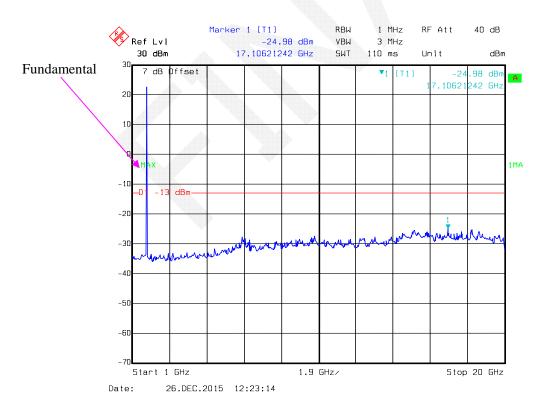
### QPSK, Band 4-1.4M \_ Middle Channel



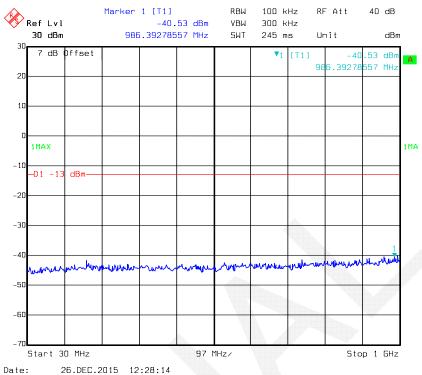


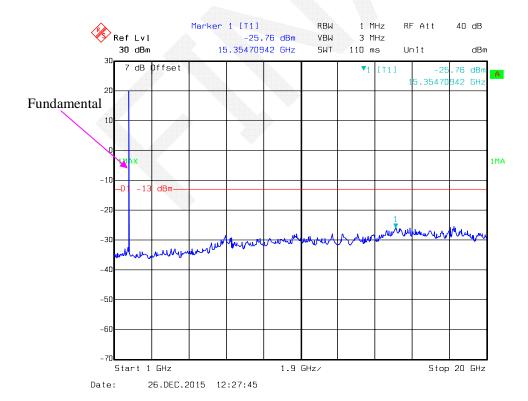
## QPSK, Band 4-3M \_ Middle Channel



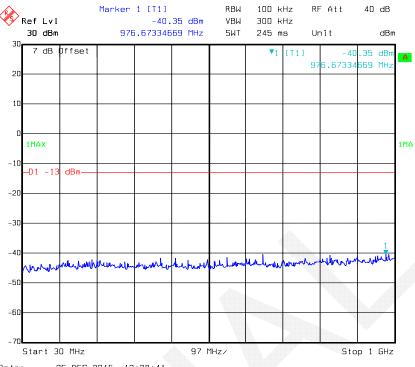


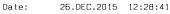
## QPSK, Band 4-5M \_ Middle Channel

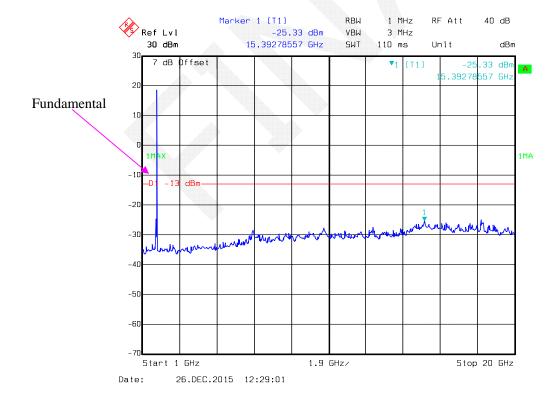




# QPSK, Band 4-10M $\_$ Middle Channel

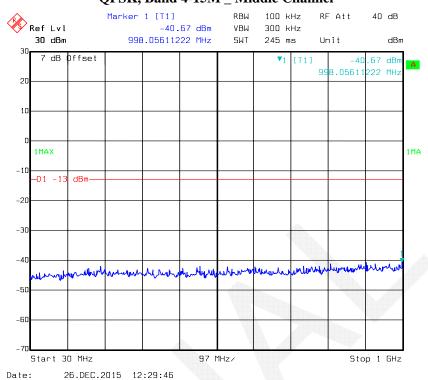


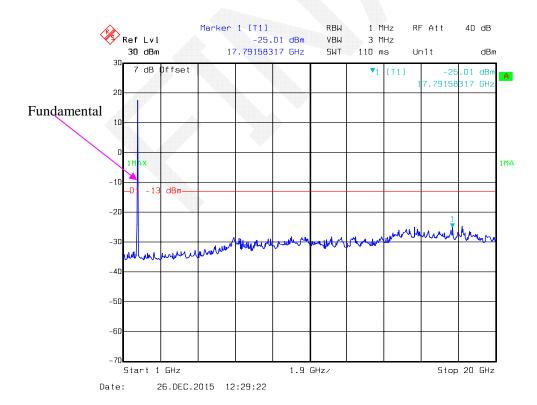




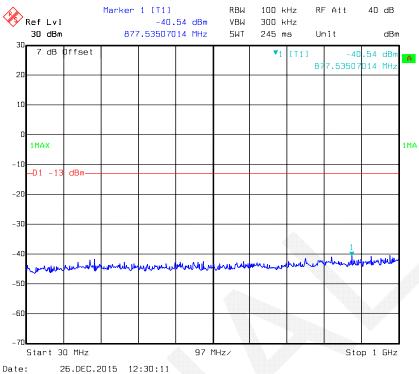


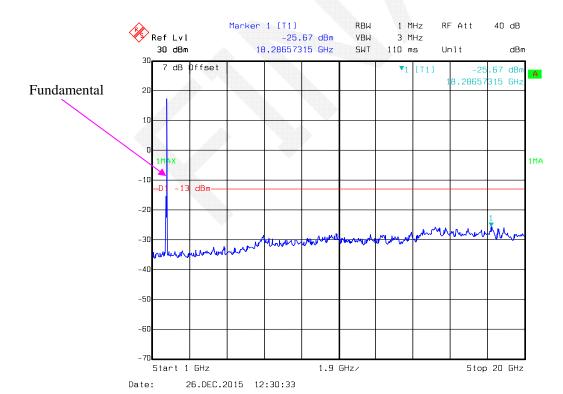
Report No.: RSZ151216006-00C



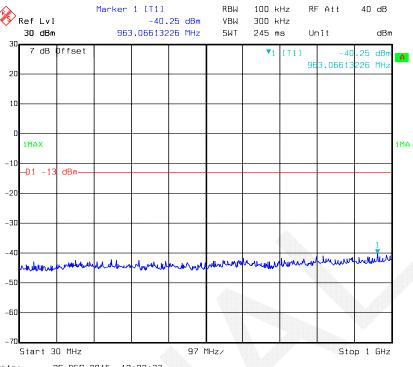


## QPSK, Band 4-20M \_ Middle Channel

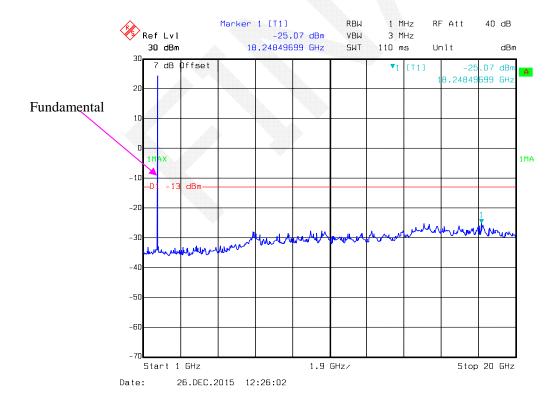




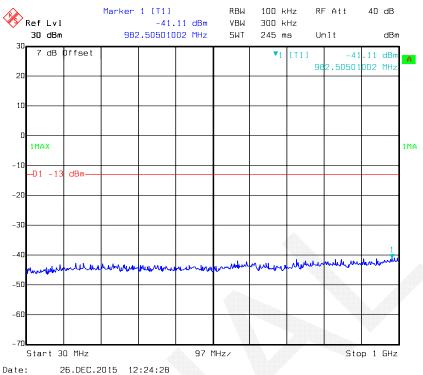
## 16-QAM, Band 4-1.4M \_ Middle Channel

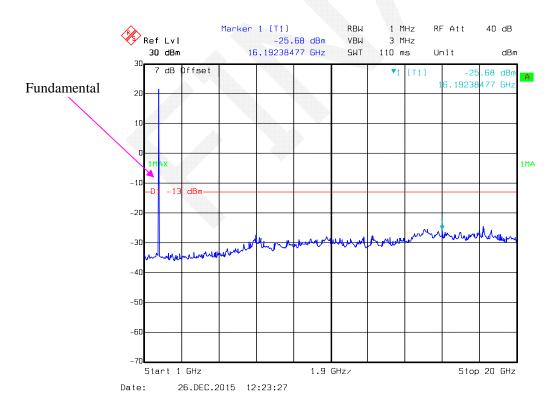




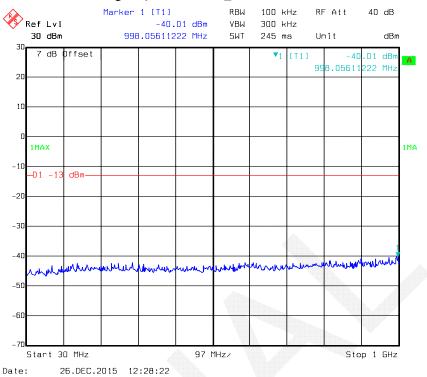


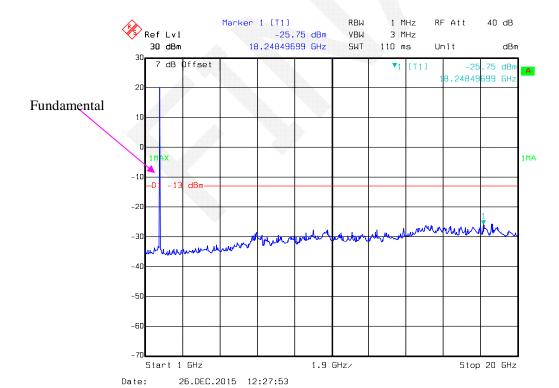
### 16-QAM, Band 4-3M \_ Middle Channel



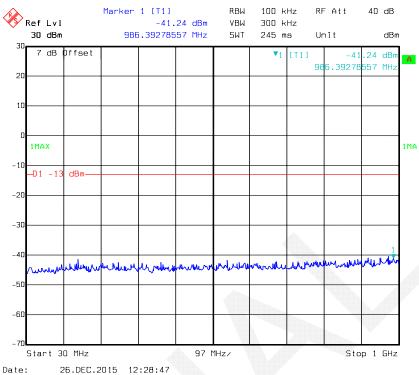


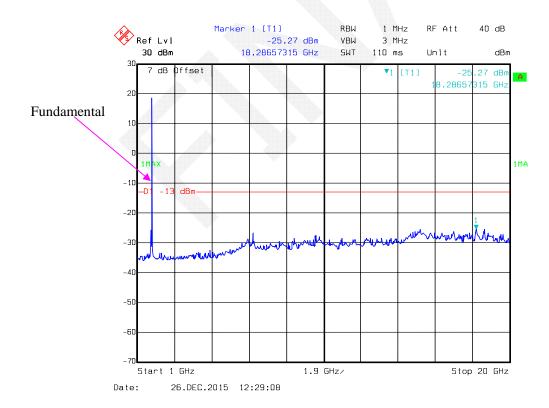
# 16-QAM, Band 4-5M $\_$ Middle Channel



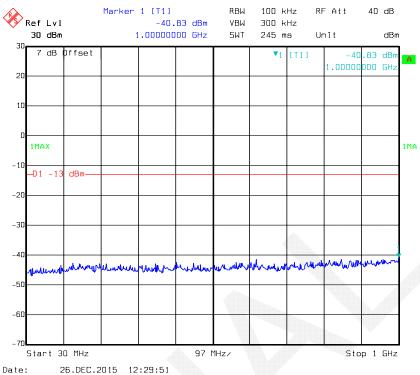


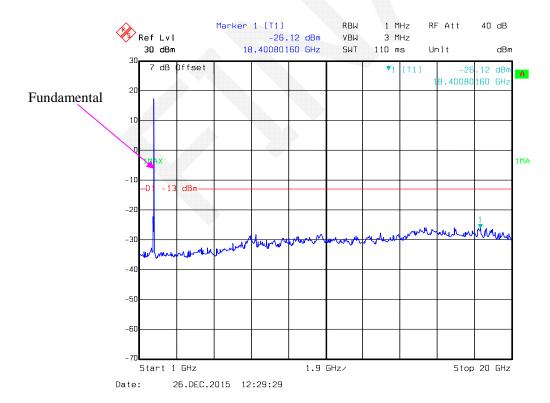
# 16-QAM, Band 4-10M \_ Middle Channel



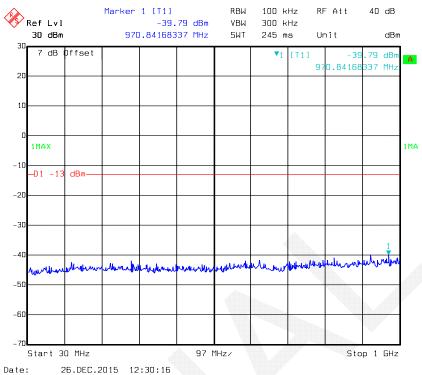


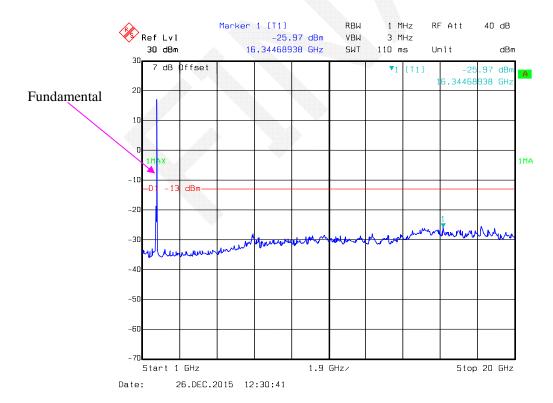
# 16-QAM, Band 4-15M \_ Middle Channel



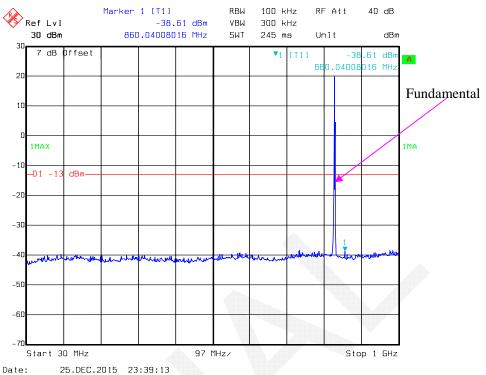


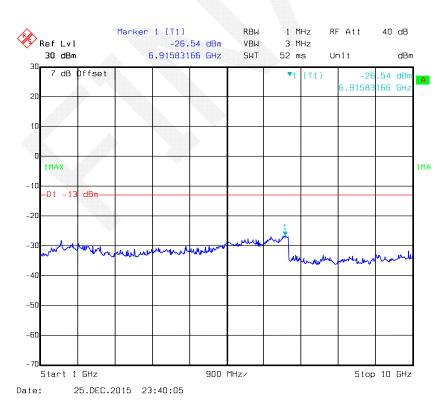
# 16-QAM, Band 4-20M \_ Middle Channel



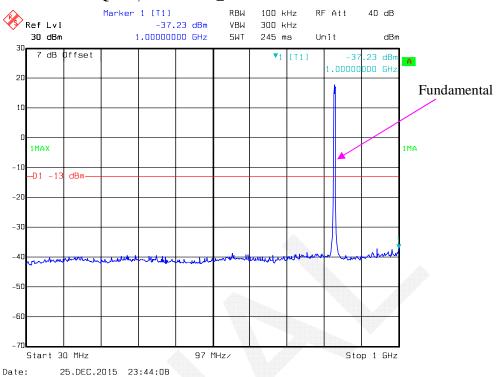


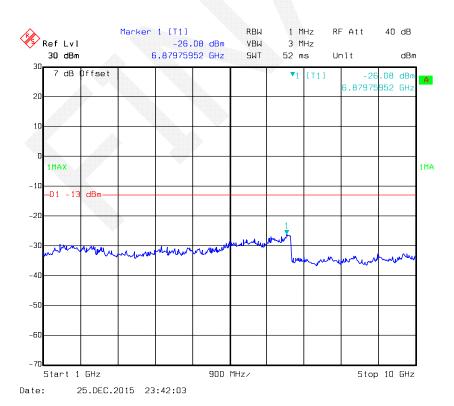
# QPSK, Band 5-1.4M $\_$ Middle Channel



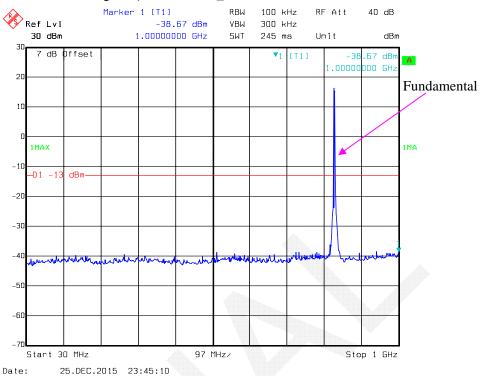


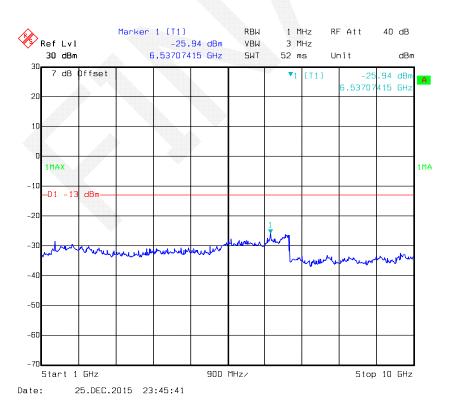
# QPSK, Band 5-3M \_ Middle Channel



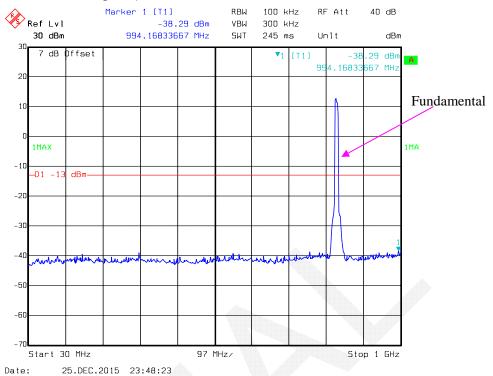


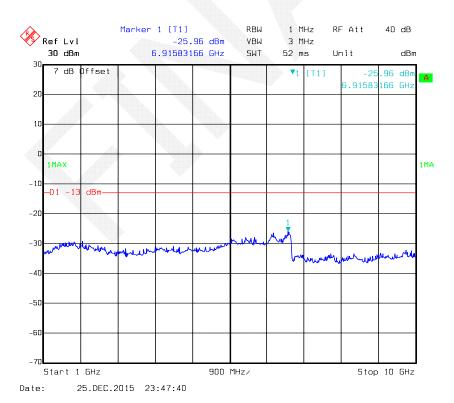
# QPSK, Band 5-5M \_ Middle Channel



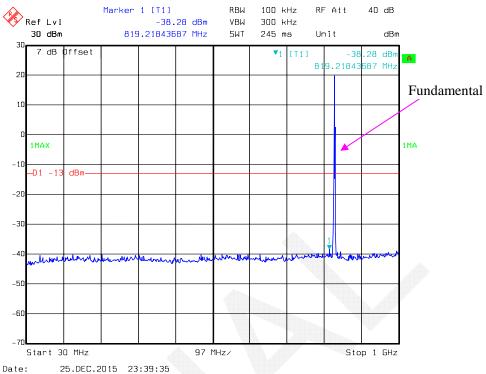


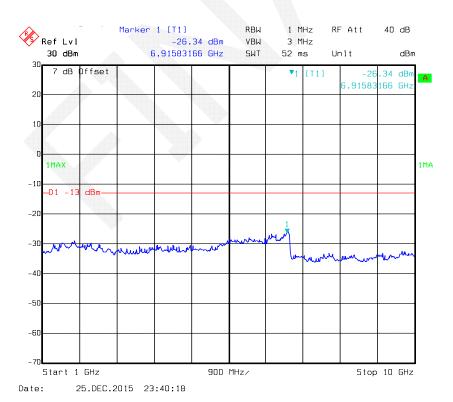
# QPSK, Band 5-10M \_ Middle Channel



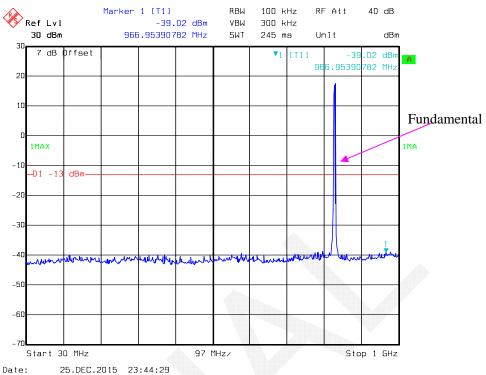


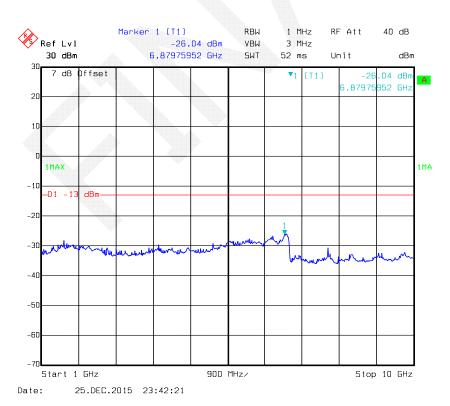
# 16-QAM, Band 5-1.4M \_ Middle Channel



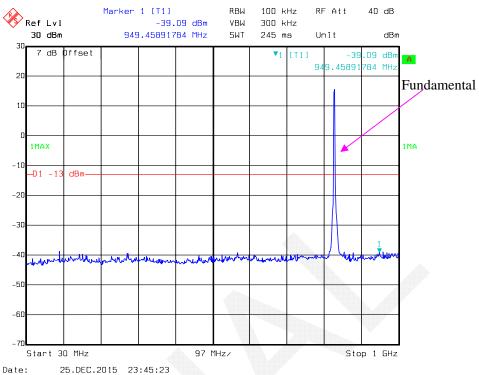


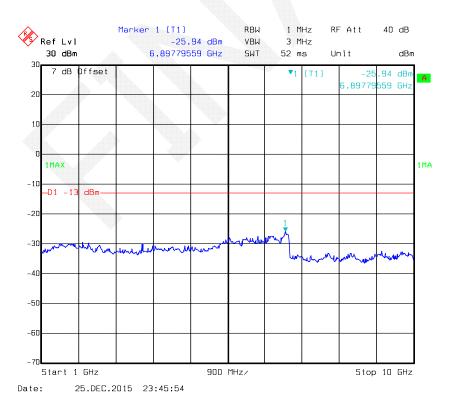
## 16-QAM, Band 5-3M \_ Middle Channel



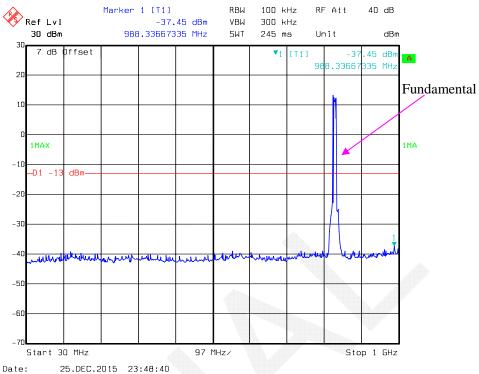


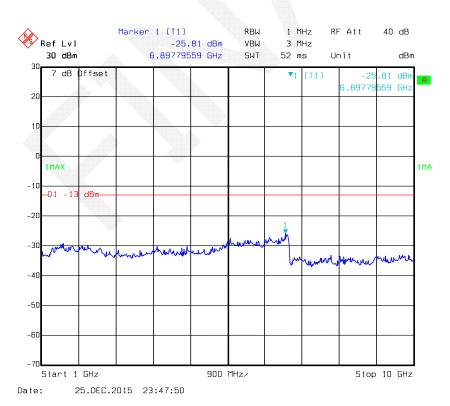
# 16-QAM, Band 5-5M $\_$ Middle Channel





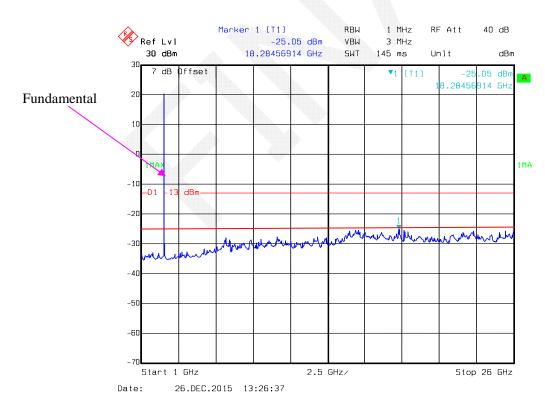
# 16-QAM, Band 5-10M \_ Middle Channel



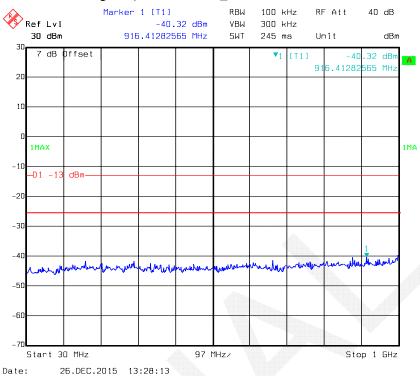


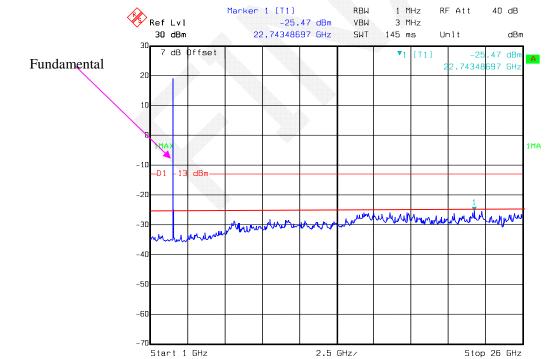
# QPSK, Band 7-5M \_ Middle Channel





## QPSK, Band 7-10M \_ Middle Channel

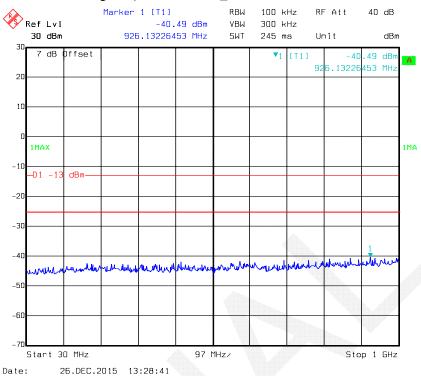


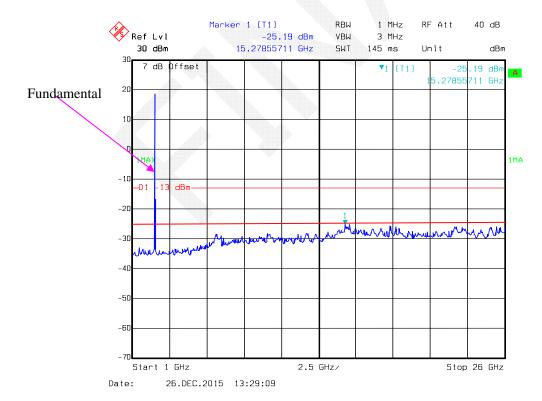


26.DEC.2015 13:27:18

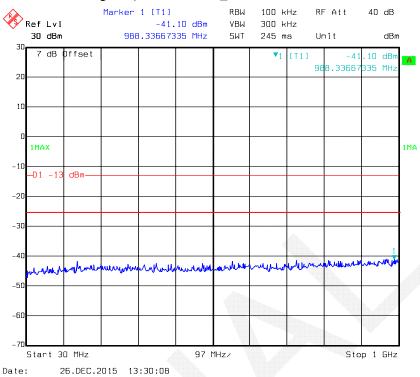
Date:

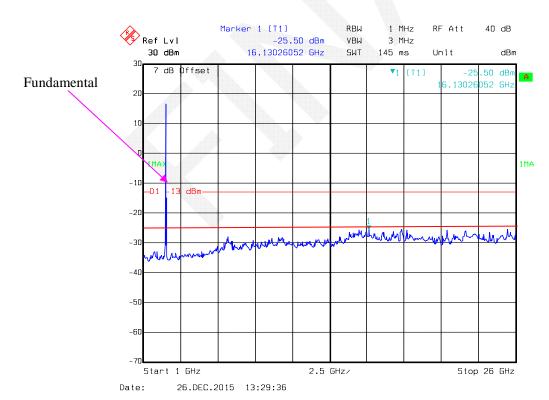
## QPSK, Band 7-15M \_ Middle Channel



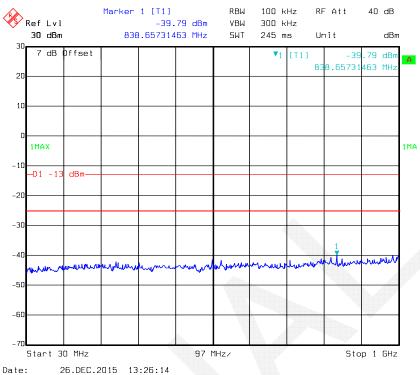


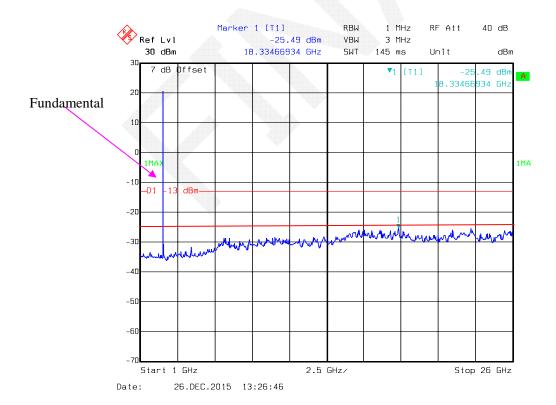
## QPSK, Band 7-20M \_ Middle Channel



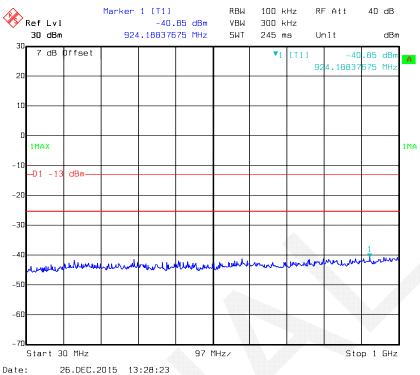


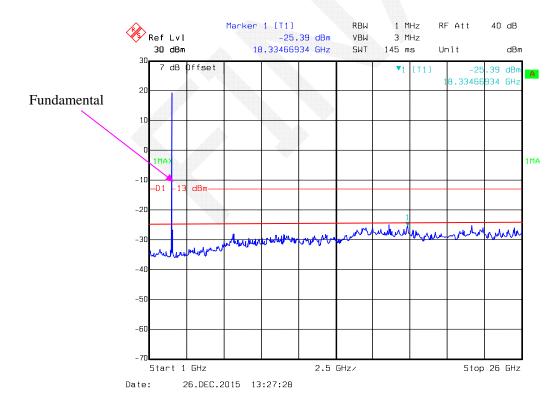
# 16-QAM, Band 7-5M \_ Middle Channel



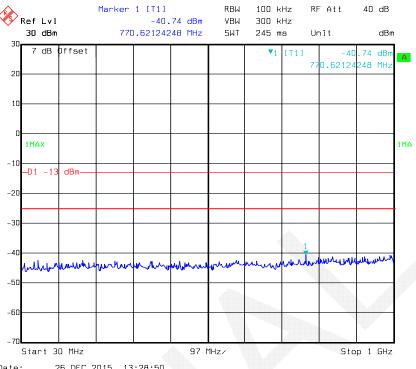


# 16-QAM, Band 7-10M \_ Middle Channel

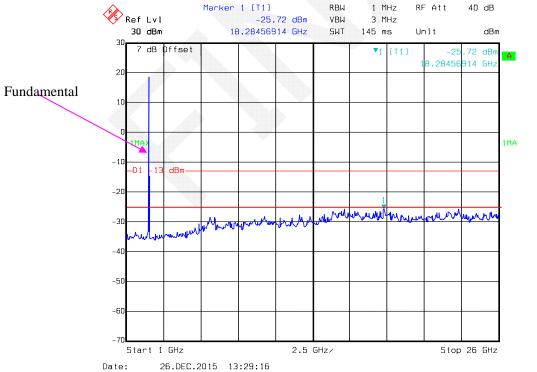




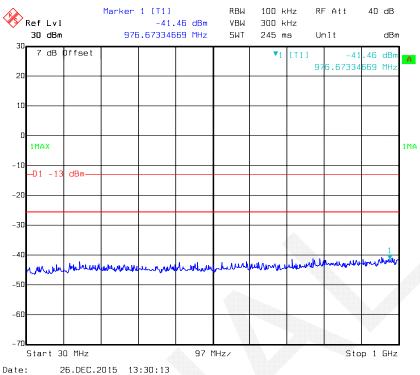
# 16-QAM, Band 7-15M \_ Middle Channel

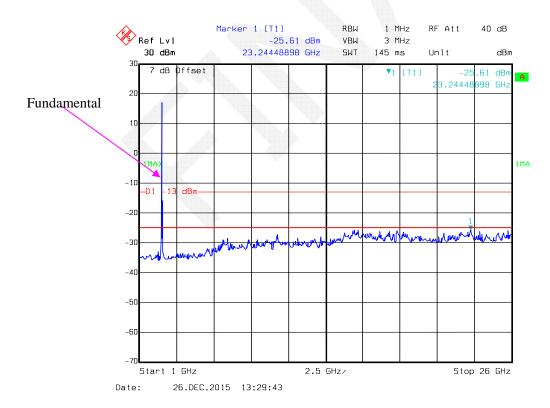


Date: 26.DEC.2015 13:28:50

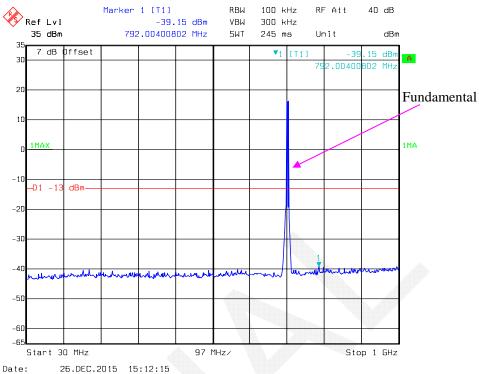


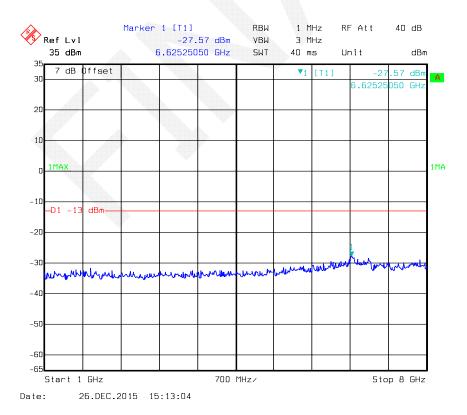
# 16-QAM, Band 7-20M \_ Middle Channel



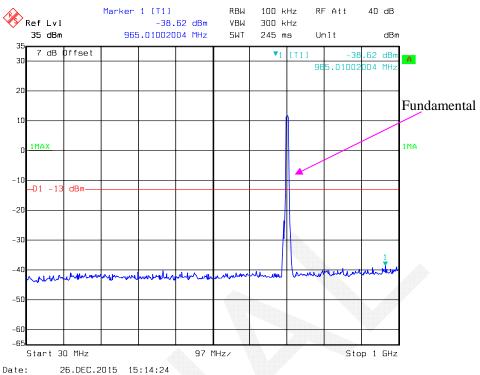


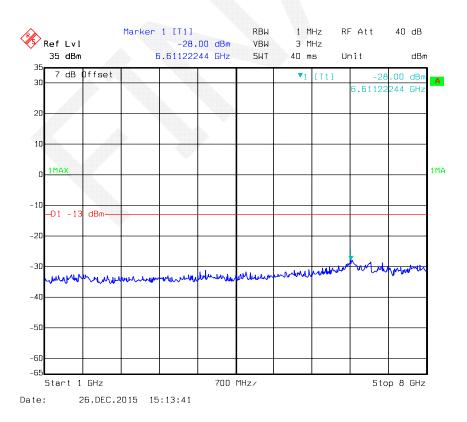
## QPSK, Band 17-5M \_ Middle Channel



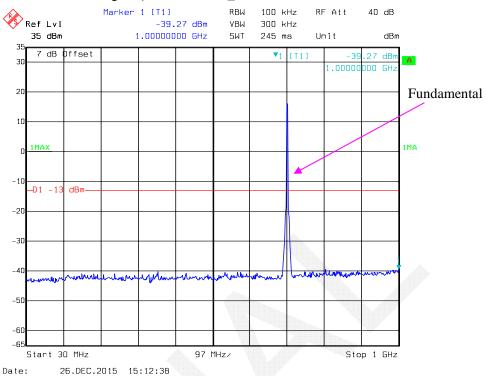


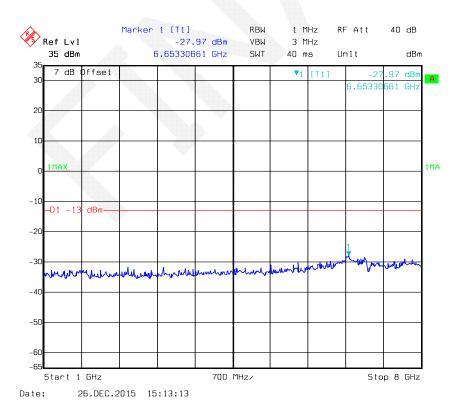
# QPSK, Band 17-10M \_ Middle Channel



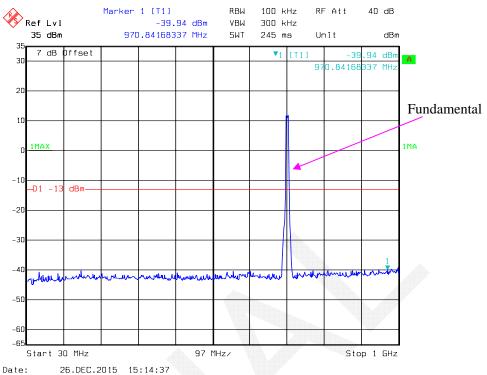


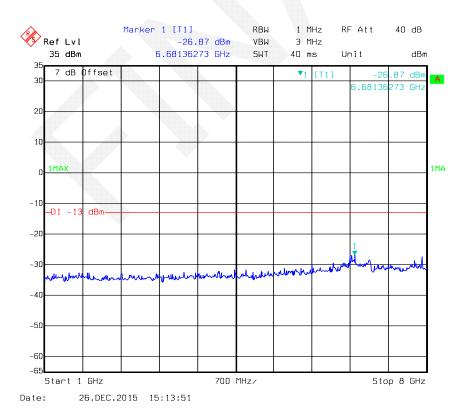
# 16-QAM, Band 17-5M \_ Middle Channel





# 16-QAM, Band 17-10M \_ Middle Channel





## **Applicable Standard**

FCC § 2.1053, §22.917, § 24.238 and § 27.53.

#### **Test Procedure**

The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.

The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.

The frequency range up to tenth harmonic of the fundamental frequency was investigated.

Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

Spurious emissions in  $dB = 10 \lg (TXpwr in Watts/0.001)$  – the absolute level

Spurious attenuation limit in  $dB = 43 + 10 \text{ Log}_{10}$  (power out in Watts)

Spurious attenuation limit in  $dB = 55 + 10 \text{ Log}_{10}$  (power out in Watts) for band 7

## **Test Equipment List and Details**

	400 9000				
Manufacturer	Description	ption Model Serial Number		Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESCI	100224	2015-08-03	2016-08-02
Sunol Sciences	Antenna	JB3	A060611-3	2014-11-06	2017-11-05
HP	Amplifier	8447E	2434A02181	2015-09-01	2016-09-01
Agilent	Spectrum Analyzer	E4440A	SG43360054	2015-11-23	2016-11-22
ETS-Lindgren	Horn Antenna	3115	9808-5557	2015-09-06	2018-09-06
Mini-Circuit	Amplifier	ZVA-213-S+	054201245	2015-02-19	2016-02-19
Giga	Signal Generator	1026	320408	2015-11-23	2016-11-22
EMCO	Adjustable Dipole Antenna	3121C	9109-753	N/A	N/A
TDK RF	Horn Antenna	HRN-0118	130 084	2015-09-06	2018-09-06

<sup>\*</sup> 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:	22.1 °C
Relative Humidity:	46 %
ATM Pressure:	101.5 kPa

The testing was performed by Dean Liu on 2015-12-26.

EUT Operation Mode: Transmitting

## Cellular Band (PART 22H)

#### 30 MHz-10 GHz:

		D	Si	<b>Substituted Method</b>				
Frequency (MHz)	Polar (H/V)	Receiver Reading (dBµV)	S.G. Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			GSM850,	Frequency: 8	336.6 MHz			
1673.200	Н	45.49	-55.6	10.5	1.5	-46.6	-13.0	33.6
1673.200	V	42.53	-58.8	10.5	1.5	-49.8	-13.0	36.8
2509.800	Н	40.88	-57.1	12.2	2.8	-47.7	-13.0	34.7
2509.800	V	38.26	-58.8	12.2	2.8	-49.4	-13.0	36.4

For below 1GHz, all spurious emissions are 20dB below the limit or are on the system noise floor level.

## **WCDMA Band V**

		Daniman	Si	ubstituted Me	thod	A baoluto				
Frequency (MHz)	Polar Readin	Receiver Reading (dBµV)	S.G. Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)		
	Frequency: 836.6 MHz									
1673.200	Н	37.63	-63.4	10.5	1.5	-54.4	-13.0	41.4		
1673.200	V	35.12	-66.3	10.5	1.5	-57.3	-13.0	44.3		
2509.800	Н	35.12	-62.9	12.2	2.8	-53.5	-13.0	40.5		
2509.800	V	33.49	-63.6	12.2	2.8	-54.2	-13.0	41.2		

For below 1GHz, all spurious emissions are 20dB below the limit or are on the system noise floor level.

# PCS Band (PART 24E)

#### 30 MHz-20 GHz:

	D:	Sı	<b>Substituted Method</b>					
Frequency (MHz)	Polar (H/V)	Receiver Reading (dBµV)	S.G. Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			PCS1900, F	requency:188	80 MHz			
3760.000	Н	36.36	-57.9	13.8	2.9	-47.0	-13.0	34.0
3760.000	V	36.53	-56.5	13.8	2.9	-45.6	-13.0	32.6

For below 1GHz, all spurious emissions are 20dB below the limit or are on the system noise floor level.

#### **WCDMA Band II**

	Substituted Method		thod	Absolute				
Frequency (MHz)	Polar (H/V)	Receiver Reading (dBµV)	S.G. Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Frequ	ency:1880 MI	Hz			
3760.000	Н	36.78	-57.5	12.3	2.9	-48.1	-13.0	35.1
3760.000	V	34.04	-59	12.3	2.9	-49.6	-13.0	36.6

For below 1GHz, all spurious emissions are 20dB below the limit or are on the system noise floor level.

## AWS Band (PART 27)

## 30 MHz-20 GHz:

# **WCDMA Band IV**

	D	Sı	<b>Substituted Method</b>					
Frequency (MHz)	Polar (H/V)	Receiver Reading (dBµV)	S.G. Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Freque	ncy:1732.6 M	Hz			
3465.200	Н	35.63	-61.3	12.2	1.9	-51.0	-13.0	38.0
3465.200	V	33.32	-62.8	12.2	1.9	-52.5	-13.0	39.5

For below 1GHz, all spurious emissions are 20dB below the limit or are on the system noise floor level.

#### Note:

- 1) The unit of Antenna Gain is dBd for frequency below 1GHz, and the unit of Antenna Gain is dBi for frequency above 1GHz.
- 2) Absolute Level = SG Level Cable loss + Antenna Gain
- 3) Margin = Limit-Absolute Level

## LTE Band 2

#### 30 MHz-20 GHz:

		Receiver	Sı	ıbstituted Me	thod	Absolute				
Frequency (MHz)	Polar (H/V)	Reading (dBµV)	S.G. Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Level (dBm)	Limit (dBm)	Margin (dB)		
	QPSK, Frequency:1880 MHz									
3760.000	Н	35.26	-59	12.3	2.9	-49.6	-13.0	36.6		
3760.000	V	36.71	-56.4	12.3	2.9	-47.0	-13.0	34.0		
			16- QAM, I	requency:188	80 MHz					
3760.000	Н	34.09	-60.2	12.3	2.9	-50.8	-13.0	37.8		
3760.000	V	36.70	-56.4	12.3	2.9	-47.0	-13.0	34.0		

For below 1GHz, all spurious emissions are 20dB below the limit or are on the system noise floor level.

## LTE Band 4

# 30 MHz-20 GHz:

		Receiver	Substituted Method			Absolute				
Frequency (MHz)	Polar (H/V)	Reading (dBµV)	S.G. Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Level (dBm)	Limit (dBm)	Margin (dB)		
	QPSK, Frequency:1732.5 MHz									
3465.000	Н	36.78	-60.2	12.2	1.9	-49.9	-13.0	36.9		
3465.000	V	34.04	-62.1	12.2	1.9	-51.8	-13.0	38.8		
			16- QAM, F	requency:173	2.5 MHz					
3465.000	Н	36.89	-60.0	12.2	1.9	-49.7	-13.0	36.7		
3465.000	V	34.23	-61.9	12.2	1.9	-51.6	-13.0	38.6		

For below 1GHz, all spurious emissions are 20dB below the limit or are on the system noise floor level.

# LTE Band 5

#### 30 MHz-10 GHz:

		ъ .	St	ubstituted Me	thod	41 14		
Frequency (MHz)	Polar (H/V)	Receiver Reading (dBµV)	S.G. Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			QPSK, Fr	equency:836.	5 MHz			
1673.000	Н	37.47	-63.6	10.5	1.5	-54.6	-13.0	41.6
1673.000	V	35.06	-66.3	10.5	1.5	-57.3	-13.0	44.3
2509.500	Н	35.23	-62.8	12.2	2.8	-53.4	-13.0	40.4
2509.500	V	33.17	-63.9	12.2	2.8	-54.5	-13.0	41.5
			16- QAM, F	requency:836	5.5 MHz			
1673.000	Н	37.86	-63.2	10.5	1.5	-54.2	-13.0	41.2
1673.000	V	35.60	-65.8	10.5	1.5	-56.8	-13.0	43.8
2509.500	Н	34.36	-63.7	12.2	2.8	-54.3	-13.0	41.3
2509.500	V	33.38	-63.7	12.2	2.8	-54.3	-13.0	41.3

For below 1GHz, all spurious emissions are 20dB below the limit or are on the system noise floor level.

## LTE Band 7

#### 30 MHz-26 GHz:

		D	St	ubstituted Me	thod	A11 4.			
Frequency (MHz)	Polar Reading	Receiver Reading (dBµV)	S.G. Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)	
QPSK, Frequency:2535 MHz									
5070.000	Н	35.17	-56.2	13.0	2.4	-45.6	-25	20.6	
5070.000	V	36.23	-55.9	13.0	2.4	-45.3	-25	20.3	
			16- QAM, I	requency:25.	35 MHz				
5070.000	Н	35.47	-55.9	13.0	2.4	-45.3	-25	20.3	
5070.000	V	36.51	-55.6	13.0	2.4	-45.0	-25	20.0	

For below 1GHz, all spurious emissions are 20dB below the limit or are on the system noise floor level.

## LTE Band 17

#### 30 MHz-10 GHz:

		D	St	ıbstituted Me	thod	A11 4.		
Frequency (MHz)	Polar (H/V)	Receiver Reading (dBµV)	S.G. Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			QPSK, Fr	equency:710.0	) MHz			
1420.000	Н	37.63	-63.2	9.7	1.3	-54.8	-13.0	41.8
1420.000	V	36.59	-64	9.7	1.3	-55.6	-13.0	42.6
2130.000	Н	35.13	-60.8	11.7	1.4	-50.5	-13.0	37.5
2130.000	V	34.26	-60.5	11.7	1.4	-50.2	-13.0	37.2
			16- QAM, F	requency:710	0.0 MHz			
1420.000	Н	37.45	-63.4	9.7	1.3	-55.0	-13.0	42.0
1420.000	V	36.72	-63.9	9.7	1.3	-55.5	-13.0	42.5
2130.000	Н	35.44	-60.5	11.7	1.4	-50.2	-13.0	37.2
2130.000	V	34.53	-60.3	11.7	1.4	-50.0	-13.0	37.0

For below 1GHz, all spurious emissions are 20dB below the limit or are on the system noise floor level.

#### Note:

- 1) The unit of Antenna Gain is dBd for frequency below 1GHz, and the unit of Antenna Gain is dBi for frequency above 1GHz.
- 2) Absolute Level = SG Level Cable loss + Antenna Gain
- 3) Margin = Limit-Absolute Level

## **Applicable Standard**

According to § 22.917(a), the power of any emissions 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.

According to \$24.238(a), the power of any emissions outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P) dB$ .

According to §27.53 (g), For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

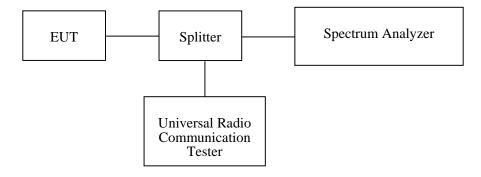
According to  $\S27.53$  (h), AWS emission limits—(1) General protection levels. Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log 10$  (P) dB.

According to  $\S27.53$  (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 Procedure**

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

The center of the spectrum analyzer was set to block edge frequency.



# **Test Equipment List and Details**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSP 38	100478	2015-11-23	2016-11-22
R&S	Universal Radio Communication Tester	CMU200	109038	2015-05-09	2016-05-09
R&S	Wideband Radio Communication Tester	CMW500	1201.002K50- 146520-wh	2015-12-19	2016-12-19

<sup>\*</sup> 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**

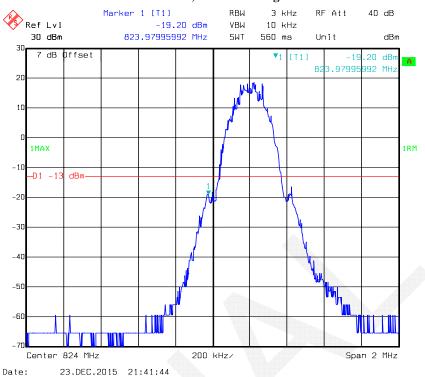
Temperature:	23.5~25.1 °C	
Relative Humidity:	46~51 %	
ATM Pressure:	101~101.7 kPa	

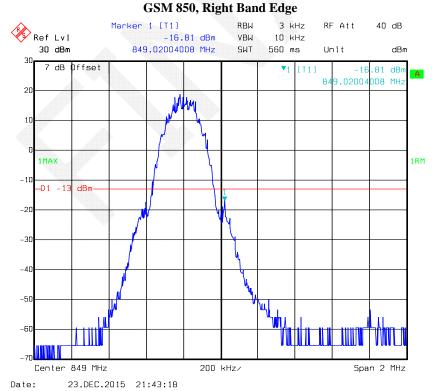
The testing was performed by Dean Liu from 2015-12-23 to 2015-12-26.

Test Mode: Transmitting

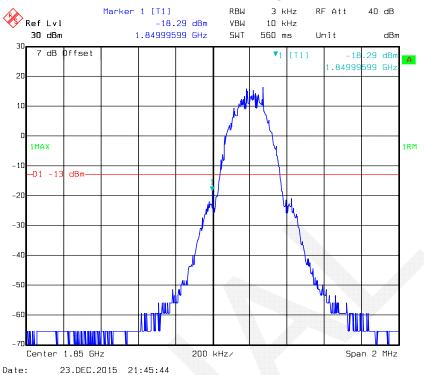
Test Result: Compliance. Please refer to the following plots.

#### GSM 850, Left Band Edge

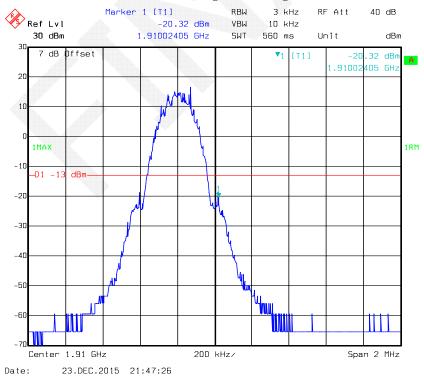




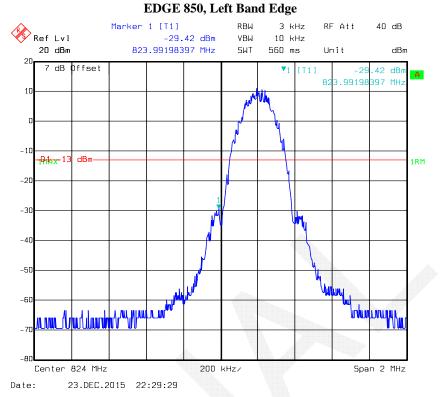
# GSM 1900, Left Band Edge



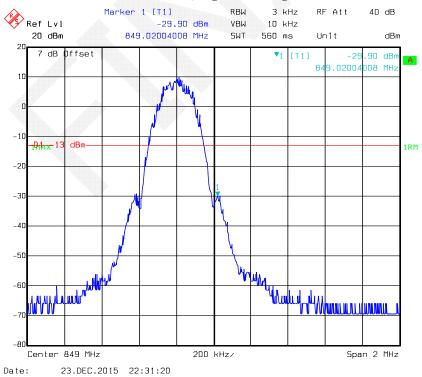
#### GSM 1900, Right Band Edge



Report No.: RSZ151216006-00C

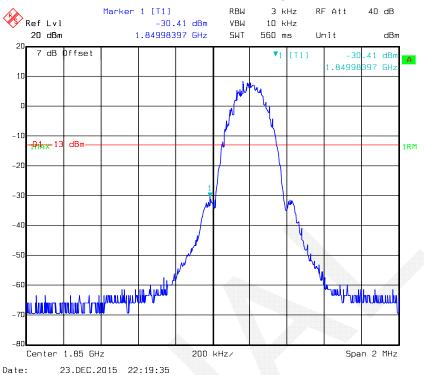


#### EDGE 850, Right Band Edge

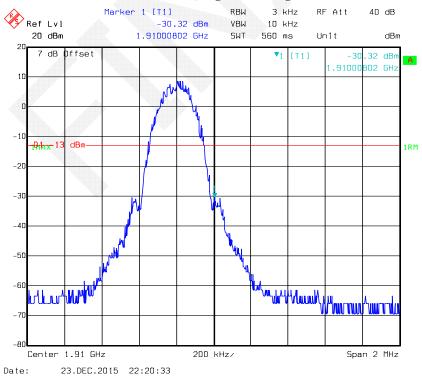




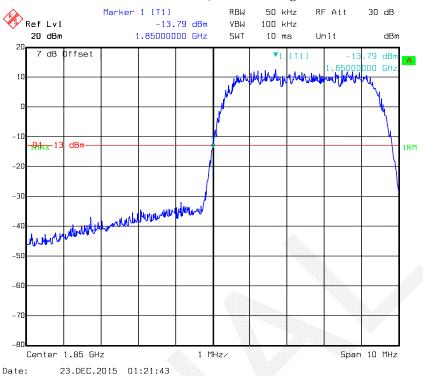
# EDGE 1900, Left Band Edge



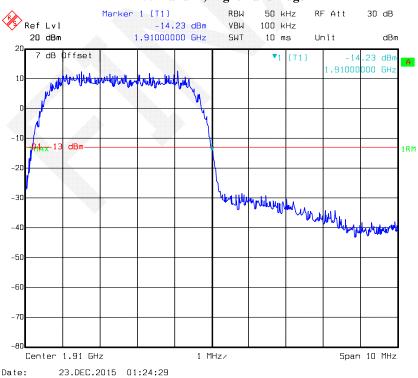
#### EDGE 1900, Right Band Edge



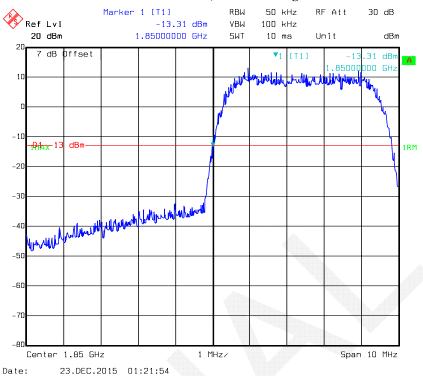
## **REL99 Band II, Left Band Edge**



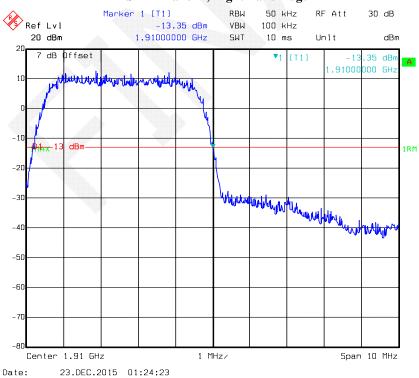
# **REL99 Band II, Right Band Edge**



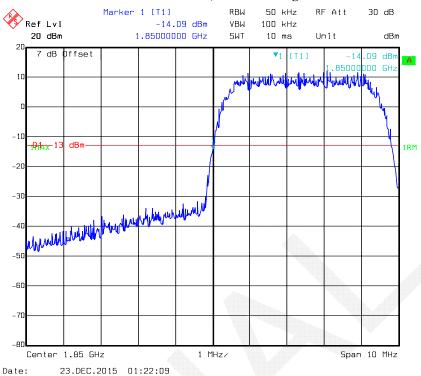
### **HSDPA Band II, Left Band Edge**



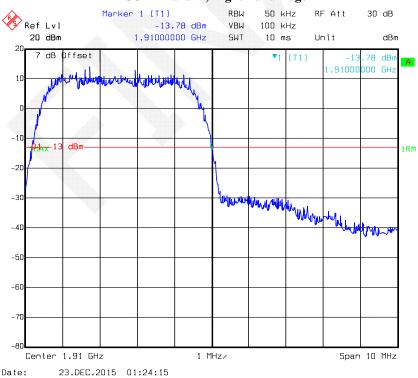
### **HSDPA Band II, Right Band Edge**



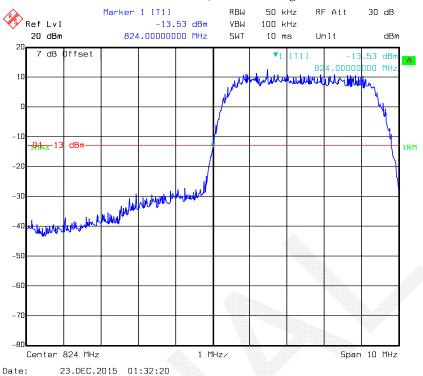
### **HSUPA Band II, Left Band Edge**



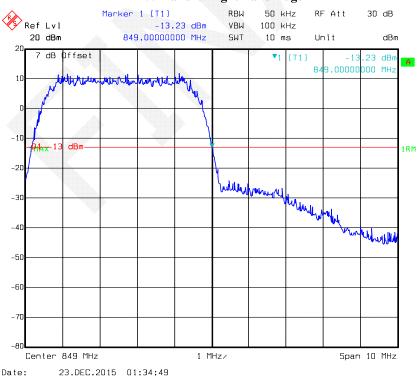
#### **HSUPA Band II, Right Band Edge**



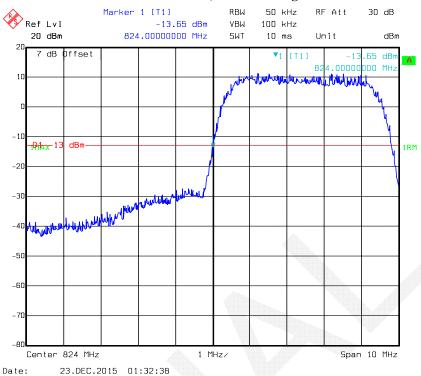
### REL99 Band V, Left Band Edge



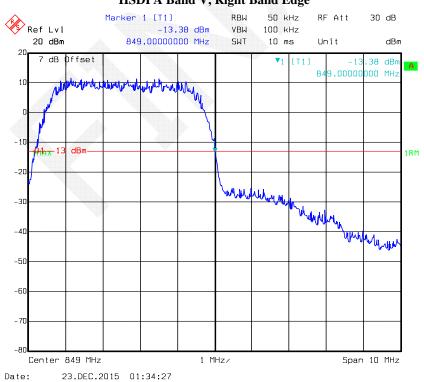
### **REL99 Band V Right Band Edge**



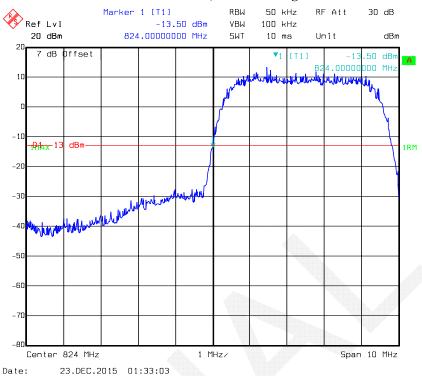
#### **HSDPA Band V, Left Band Edge**



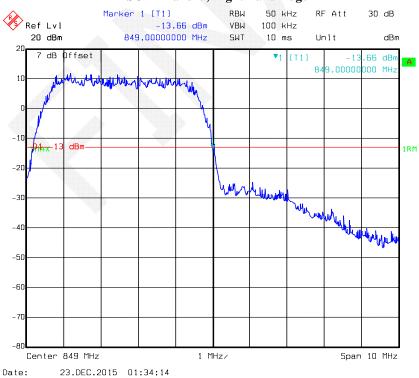
# HSDPA Band V, Right Band Edge



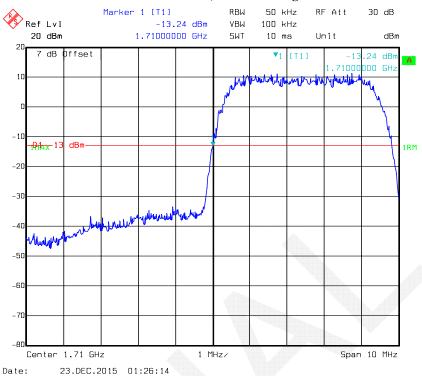
#### **HSUPA Band V, Left Band Edge**



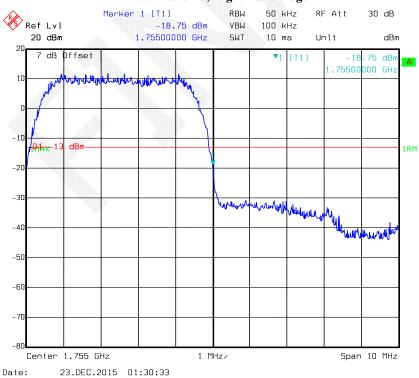
### **HSUPA Band V, Right Band Edge**



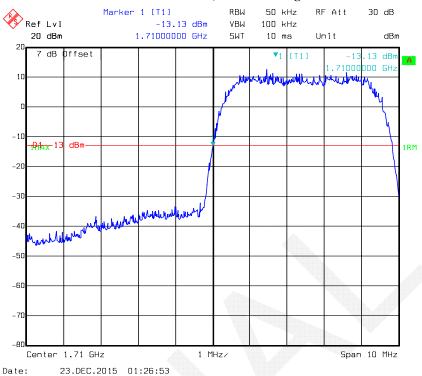
### **REL99 Band IV, Left Band Edge**



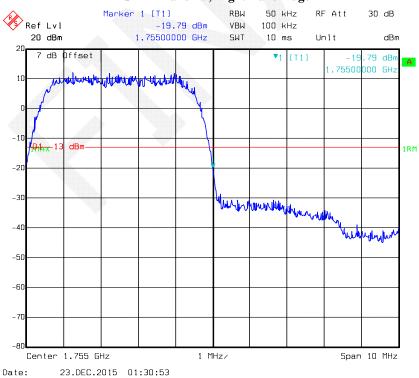
### **REL99 Band IV, Right Band Edge**



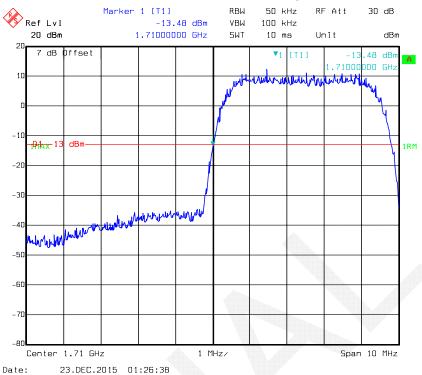
### **HSDPA Band IV, Left Band Edge**



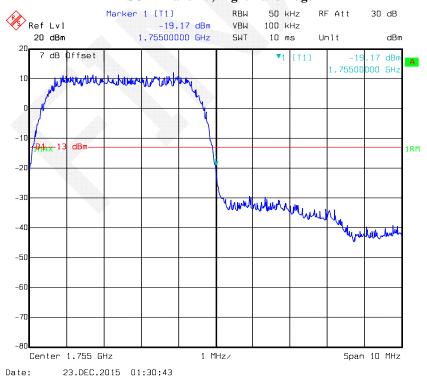
### HSDPA Band IV, Right Band Edge



### **HSUPA Band IV, Left Band Edge**

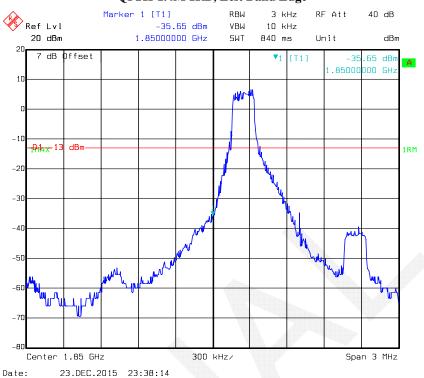


### **HSUPA Band IV, Right Band Edge**

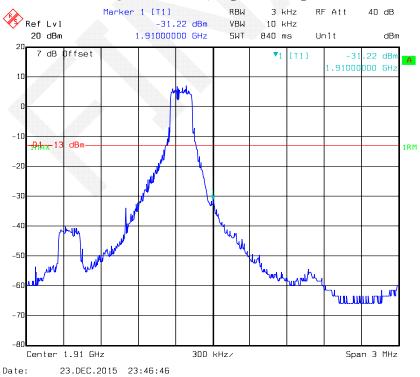


LTE Band 2 QPSK-1.4M 1RB, Left Band Edge

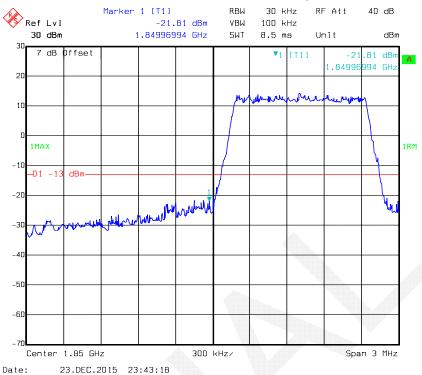
Report No.: RSZ151216006-00C



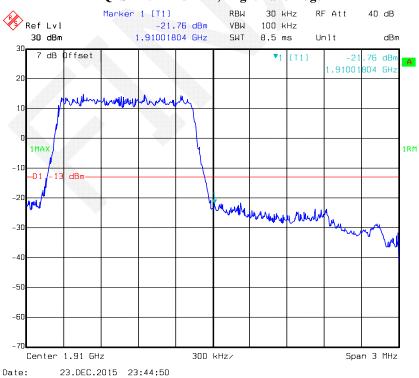
#### QPSK-1.4M 1RB, Right Band Edge



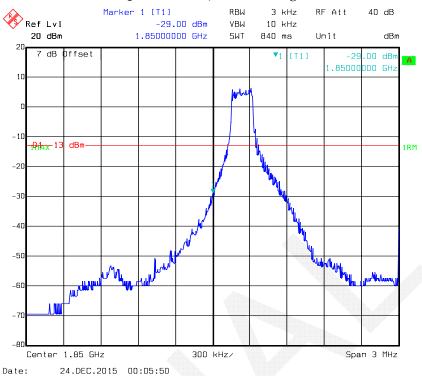
### QPSK-1.4M Full RB, Left Band Edge



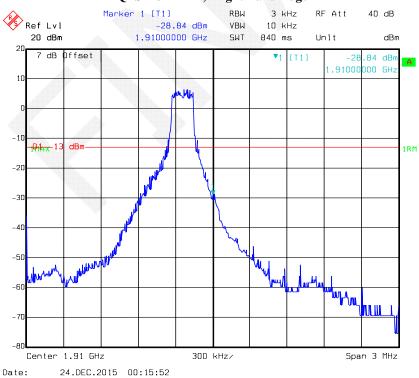
### QPSK-1.4M Full RB, Right Band Edge



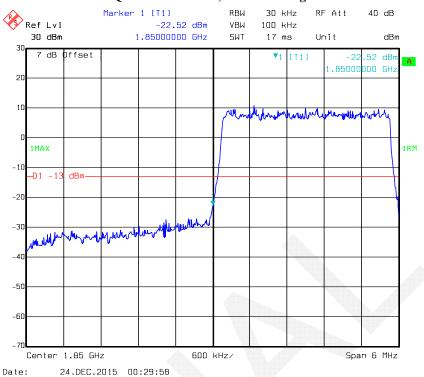
### QPSK-3M 1RB, Left Band Edge



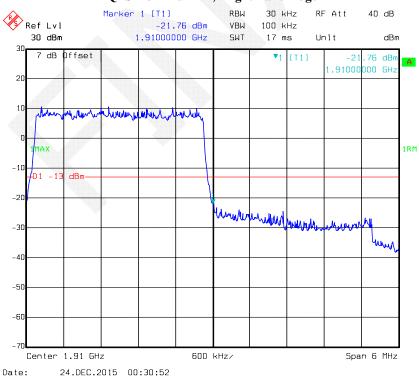
#### QPSK-3M 1RB, Right Band Edge



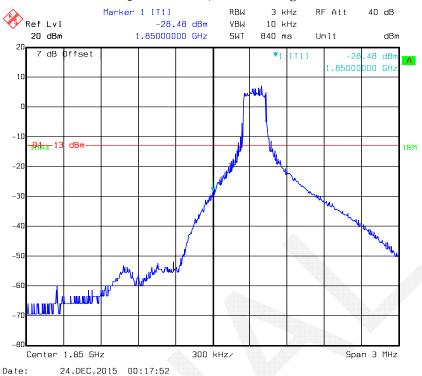
### QPSK-3M Full RB, Left Band Edge



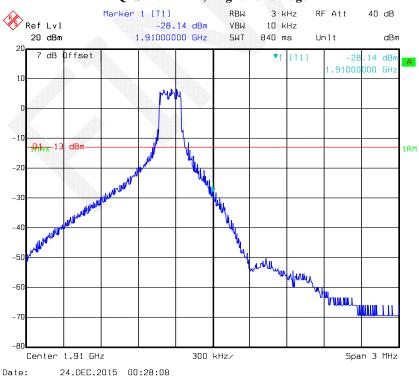
### QPSK-3M Full RB, Right Band Edge



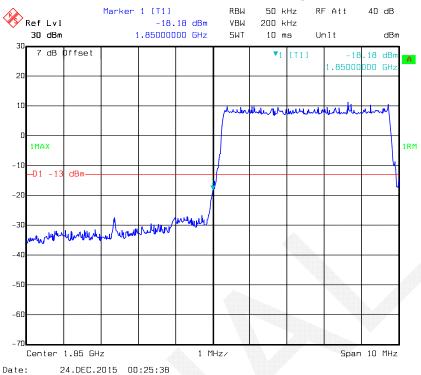
### QPSK-5M 1RB, Left Band Edge



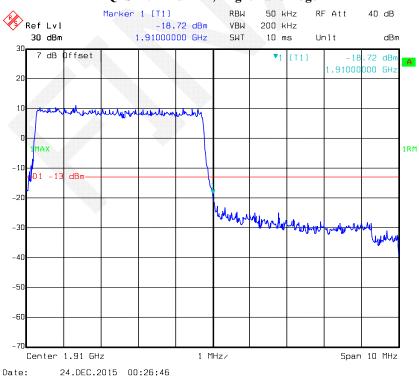
#### QPSK-5M 1RB, Right Band Edge



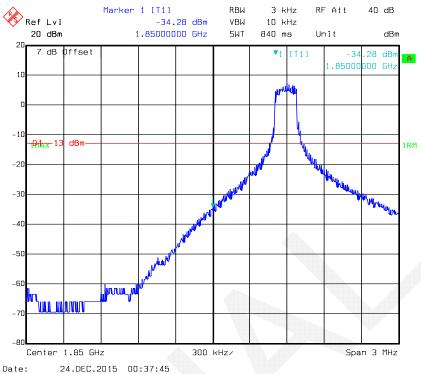
### QPSK-5M Full RB, Left Band Edge



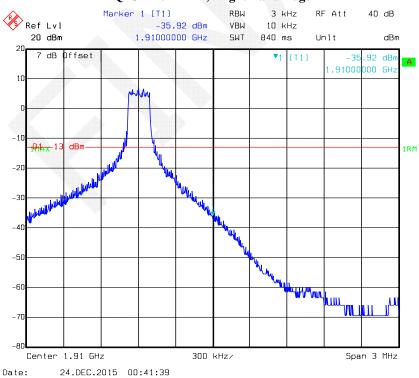
### QPSK-5M Full RB, Right Band Edge



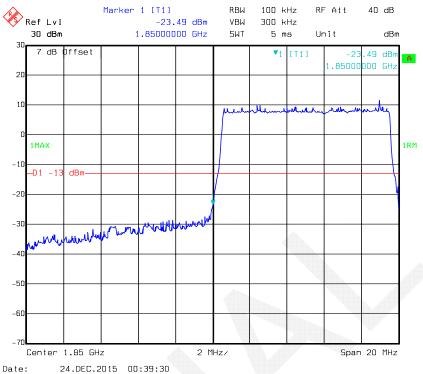
## QPSK-10M 1RB, Left Band Edge



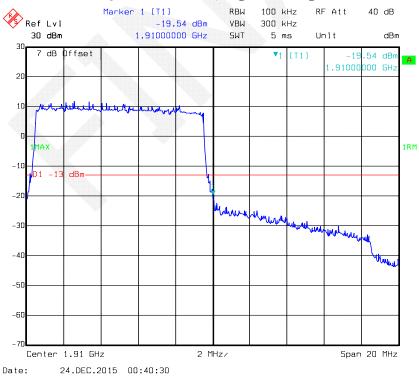
### QPSK-10M 1RB, Right Band Edge



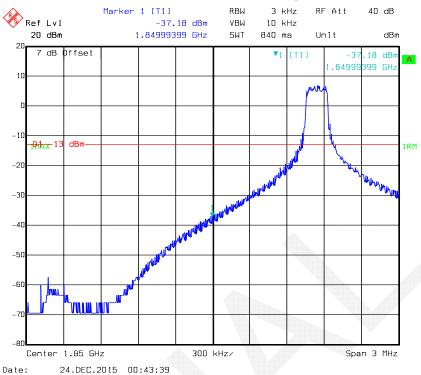
# QPSK-10M Full RB, Left Band Edge



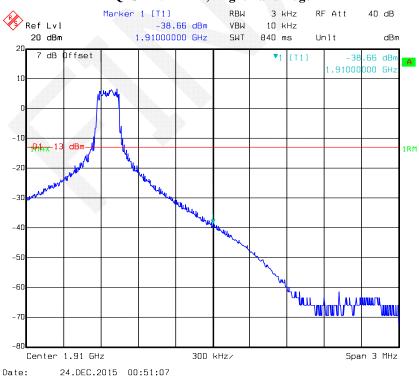
### QPSK-10M Full RB, Right Band Edge



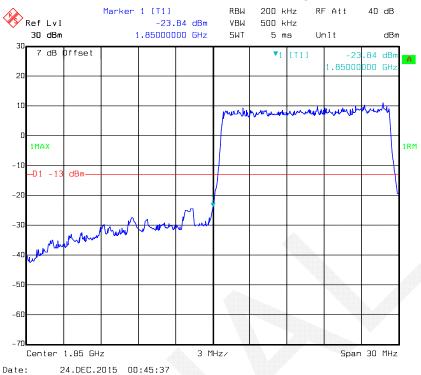
# QPSK-15M 1RB, Left Band Edge



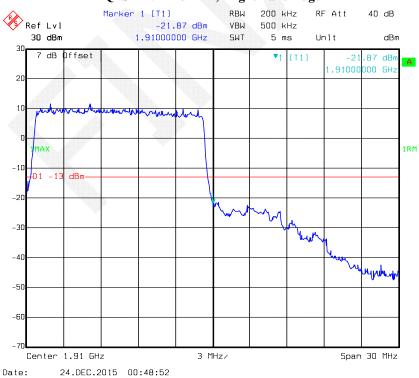
### QPSK-15M 1RB, Right Band Edge



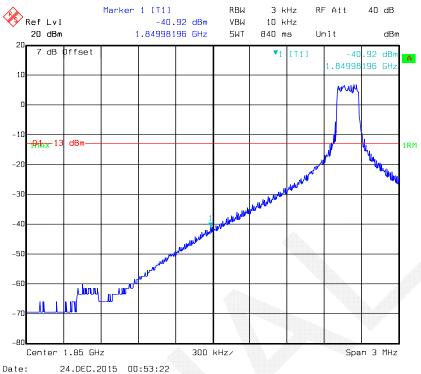
### QPSK-15M Full RB, Left Band Edge



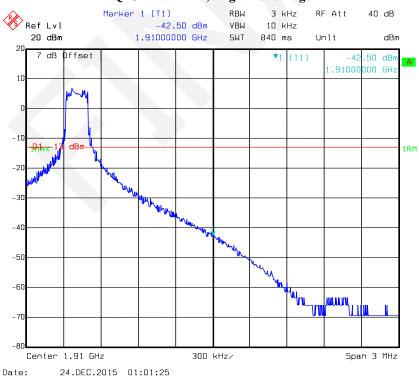
### QPSK-15M Full RB, Right Band Edge



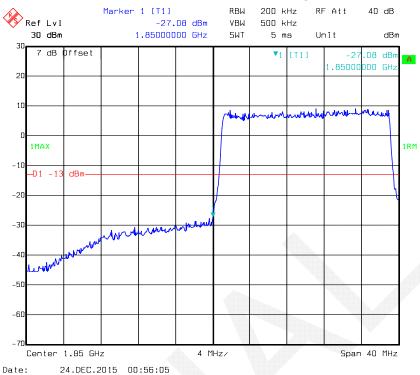
# QPSK-20M 1RB, Left Band Edge



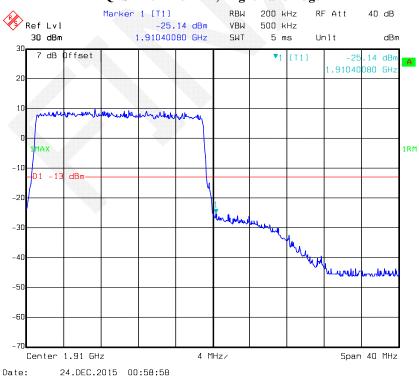
### QPSK-20M 1RB, Right Band Edge



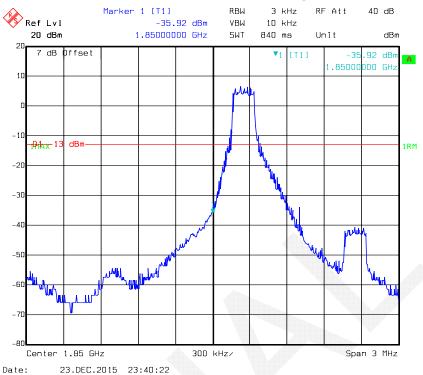
### QPSK-20M Full RB, Left Band Edge



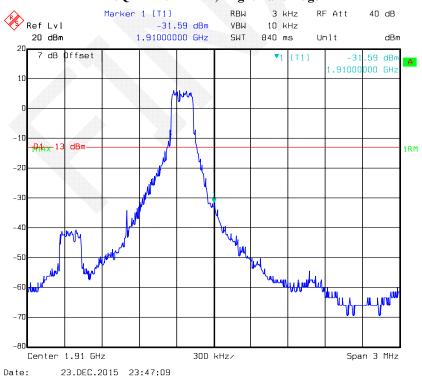
### QPSK-20M Full RB, Right Band Edge



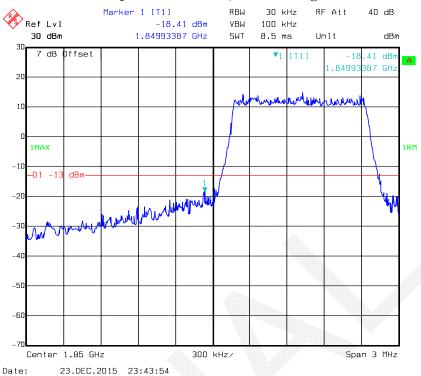
### 16QAM -1.4M 1RB, Left Band Edge



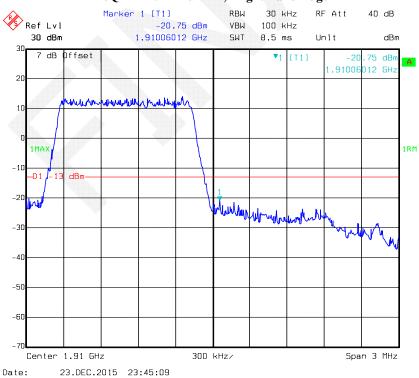
### 16QAM -1.4M 1RB, Right Band Edge



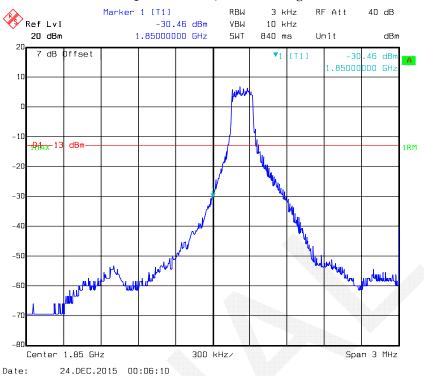
### 16QAM -1.4M Full RB, Left Band Edge



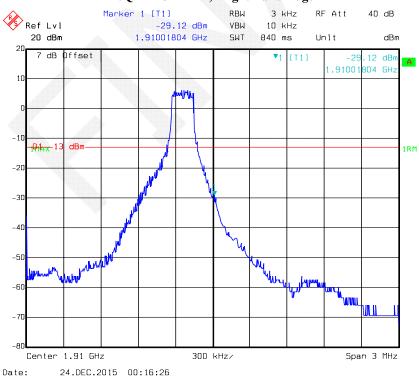
### 16QAM -1.4M Full RB, Right Band Edge



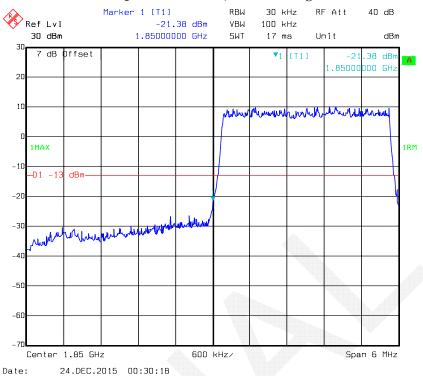
# 16QAM -3M 1RB, Left Band Edge



### 16QAM -3M 1RB, Right Band Edge



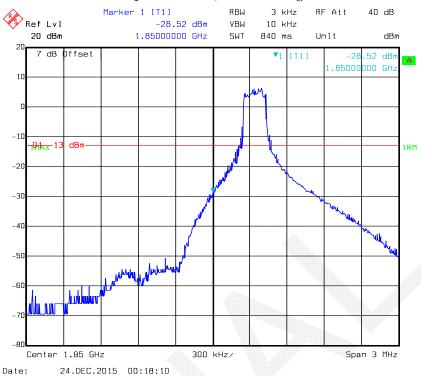
### 16QAM -3M Full RB, Left Band Edge



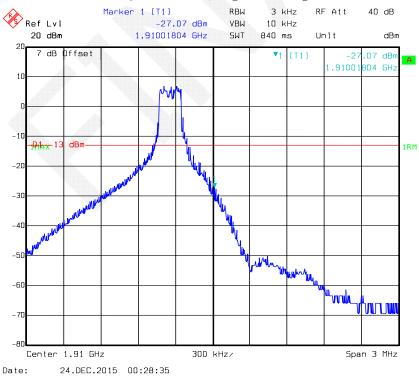
### 16QAM -3M Full RB, Right Band Edge



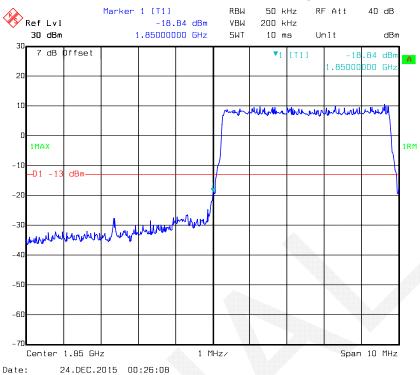
# 16QAM -5M 1RB, Left Band Edge



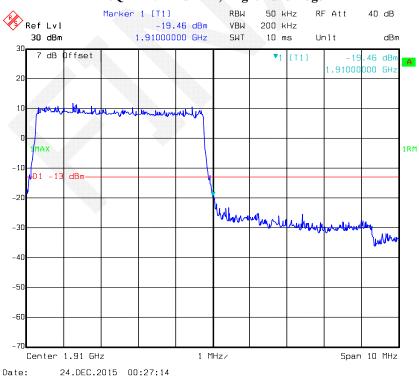
### 16QAM -5M 1RB, Right Band Edge



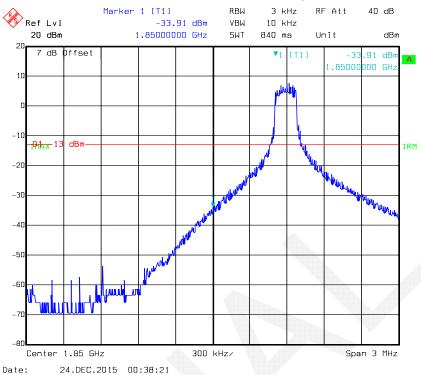
### 16QAM -5M Full RB, Left Band Edge



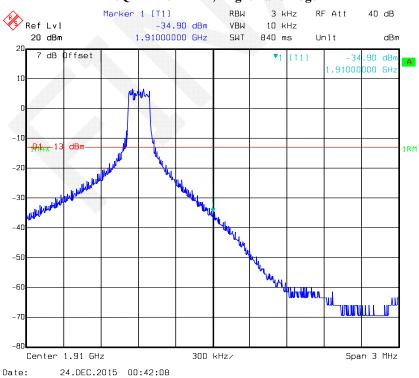
### 16QAM -5M Full RB, Right Band Edge



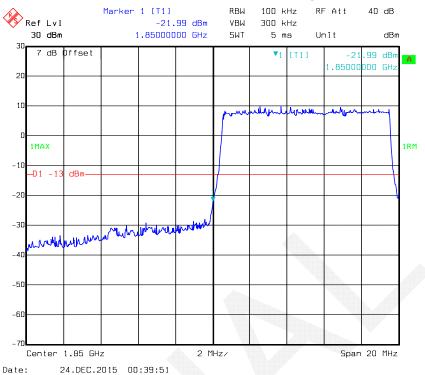
# 16QAM -10M 1RB, Left Band Edge



### 16QAM -10M 1RB, Right Band Edge



# 16QAM -10M Full RB, Left Band Edge



### 16QAM -10M Full RB, Right Band Edge

