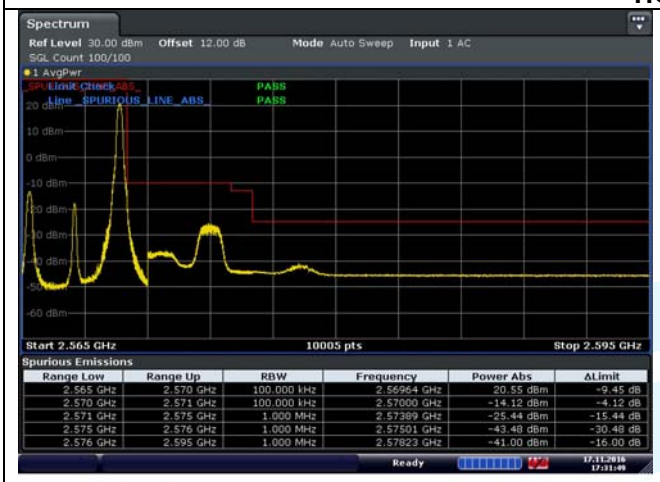
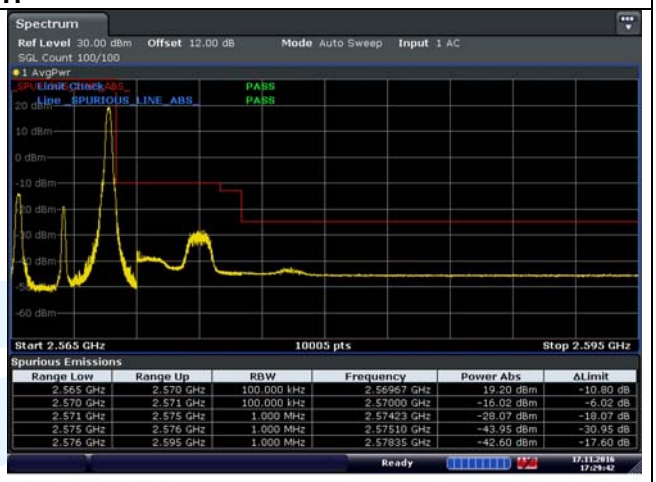
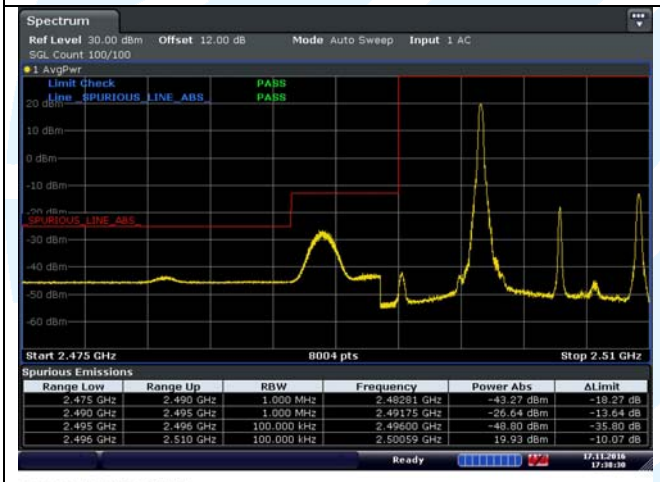
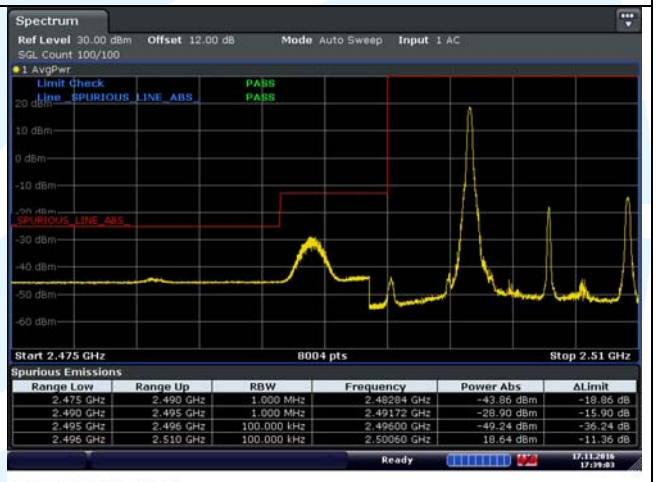
HCH	
	

LTE_ Band 7_Channel Bandwidth: 10 MHz_1RB#0	
QPSK	16QAM
LCH	
	
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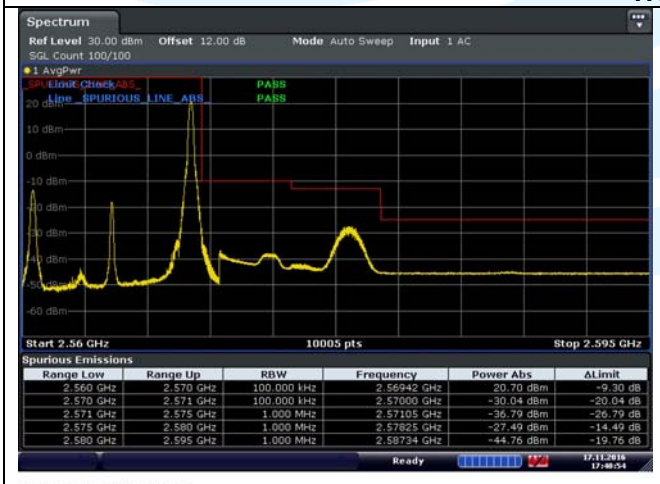
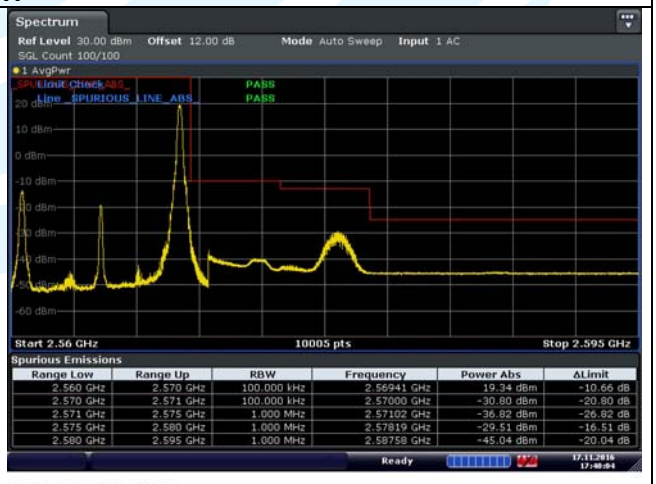
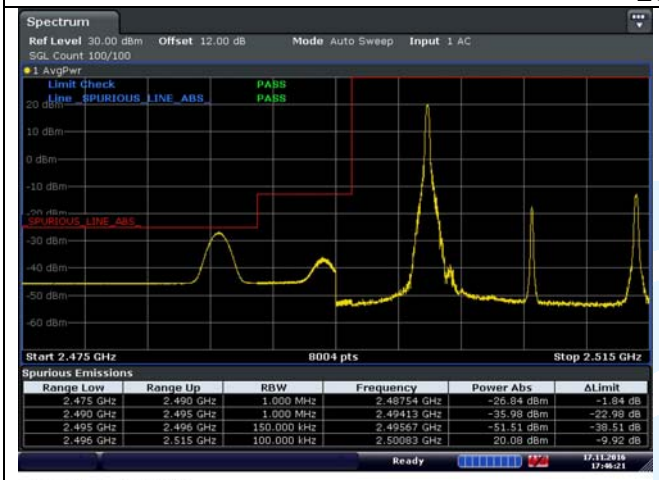
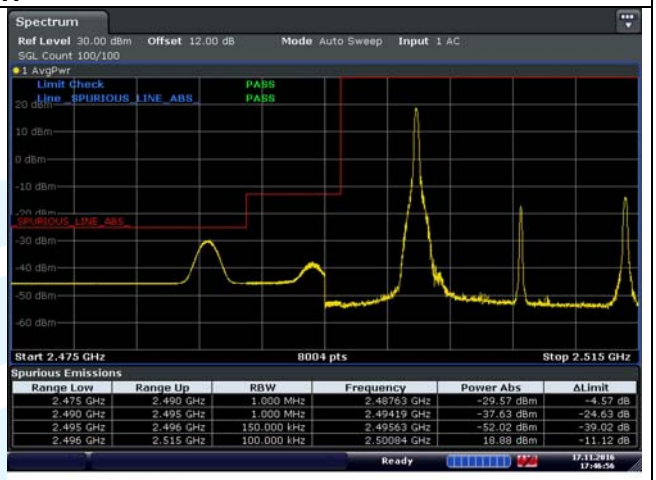
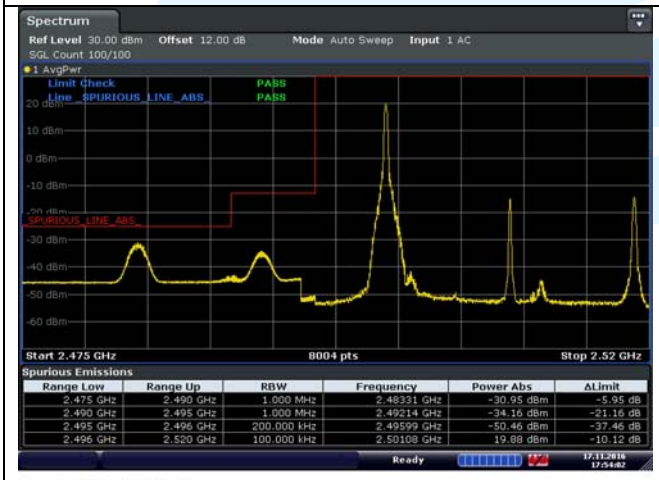
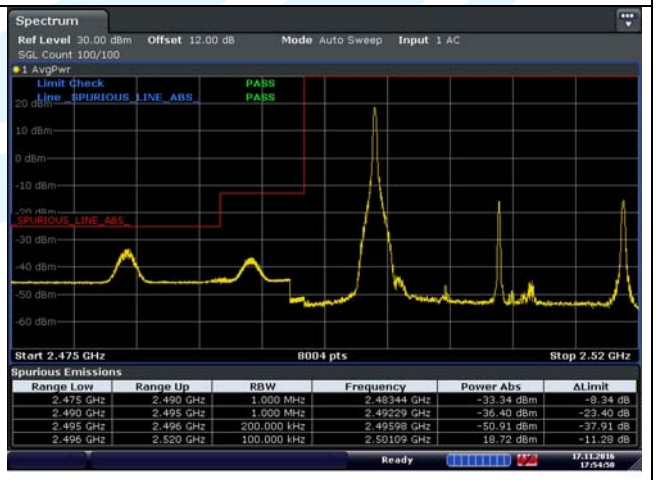
	

LTE_ Band 7_Channel Bandwidth: 15 MHz_1RB#0	
QPSK	**16QAM**
LCH	
	
HCH	
	

LTE_ Band 7_Channel Bandwidth: 20 MHz_1RB#0	
QPSK	**16QAM**
LCH	
	

HCH

LTE_ Band 7_Channel Bandwidth: 5 MHz_25RB#0

QPSK	16QAM

LCH

HCH

LTE_ Band 7_Channel Bandwidth: 10 MHz_50RB#0	
QPSK	**16QAM**
LCH	
	
HCH	
	

LTE_ Band 7_Channel Bandwidth: 15 MHz_75RB#0	
QPSK	**16QAM**
LCH	
	

HCH

LTE_ Band 7_Channel Bandwidth: 20 MHz_100RB#0

QPSK	16QAM

LCH

HCH

5.6 Spurious emissions at antenna terminals

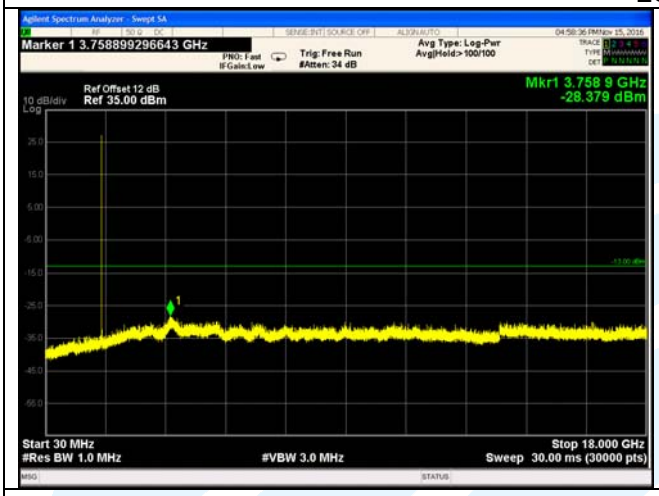
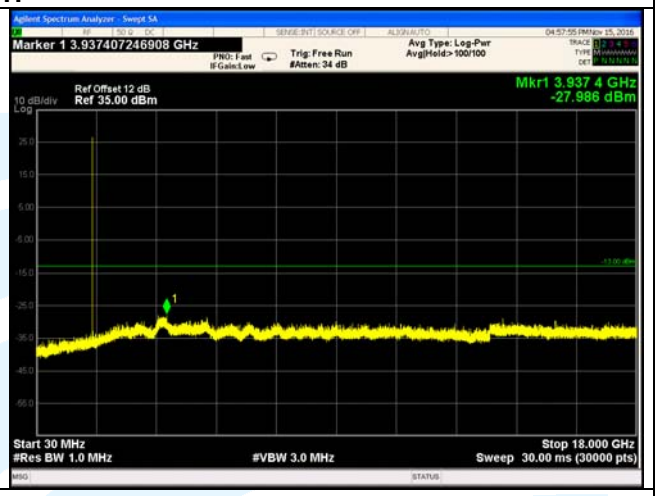
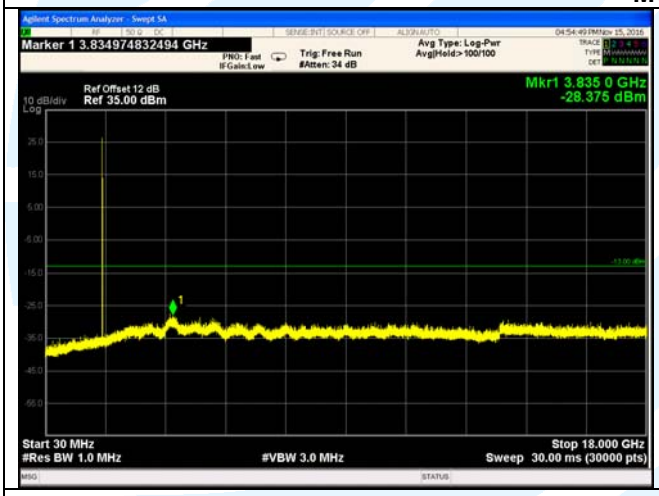
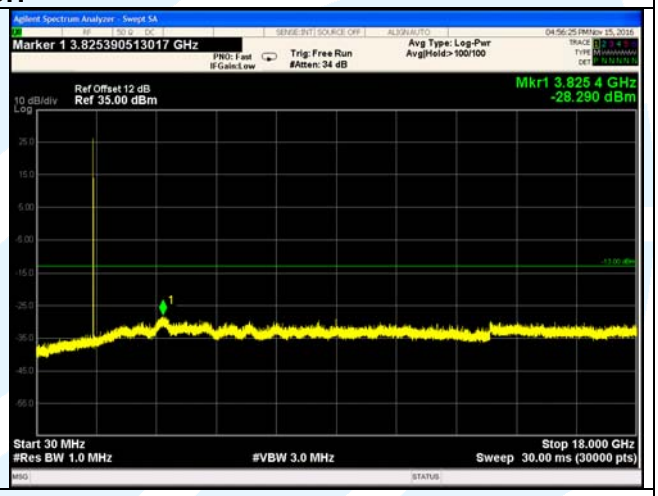
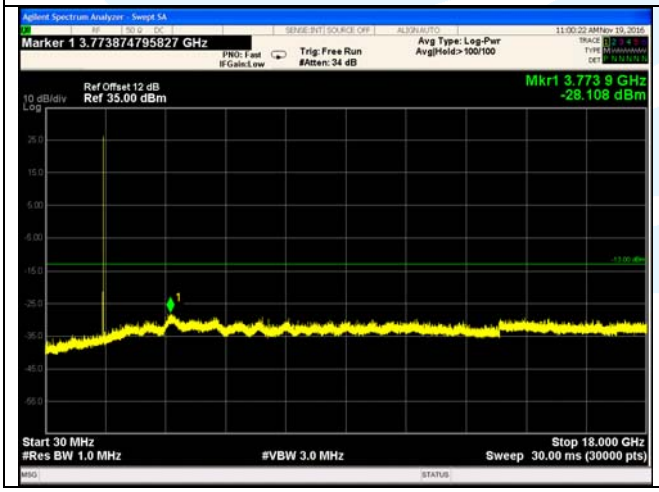
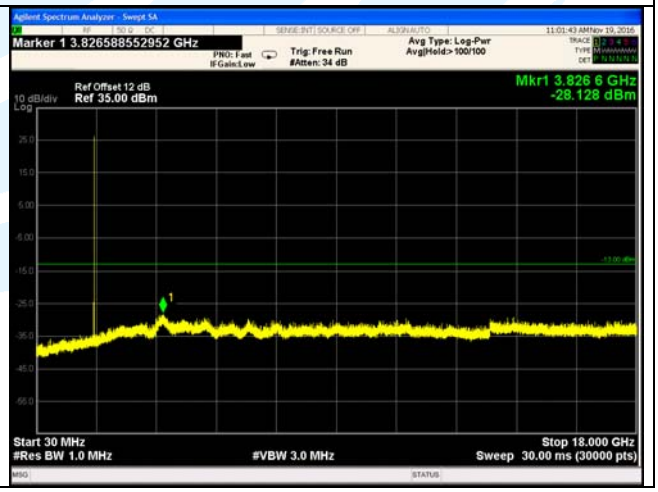
Test Requirement:	FCC 47 CFR Part 2.1051 & FCC 47 CFR Part 27.53(h)(1)/(m)(4)
Test Method:	ANSI/TIA/EIA-603-D 2010 & KDB 971168 D01v02r02
Limit:	**FCC 47 CFR Part 27.53(h)(1)**: Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 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 log10 (P) dB. The emission limit equal to –13 dBm. **FCC 47 CFR Part 27.53(m)(4)**: For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.
Test Procedure:	The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range. b. Measuring frequency range is from 9 kHz to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower. Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz. Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.
Test Setup:	Refer to section 4.1.1(2) for details.
Instruments Used:	Refer to section 3 for details
Test Mode:	Link mode
Test Results:	Pass

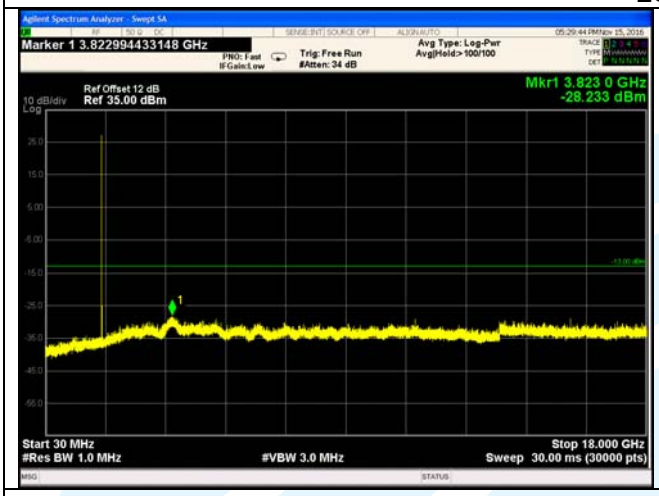
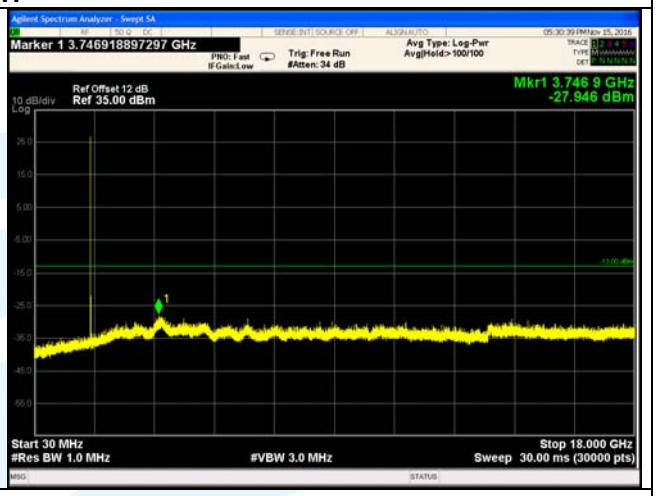
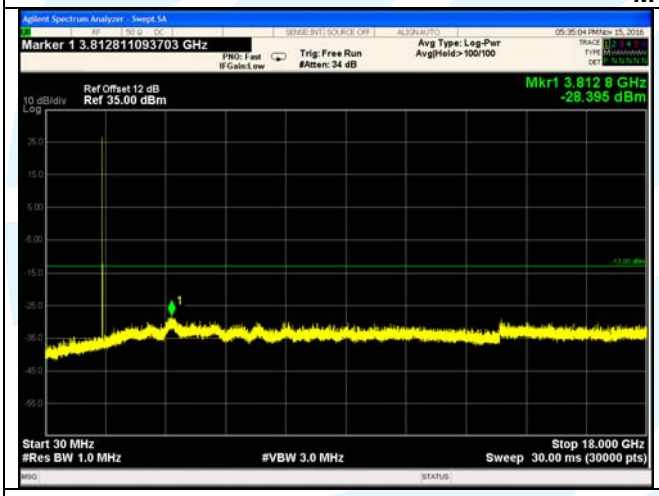
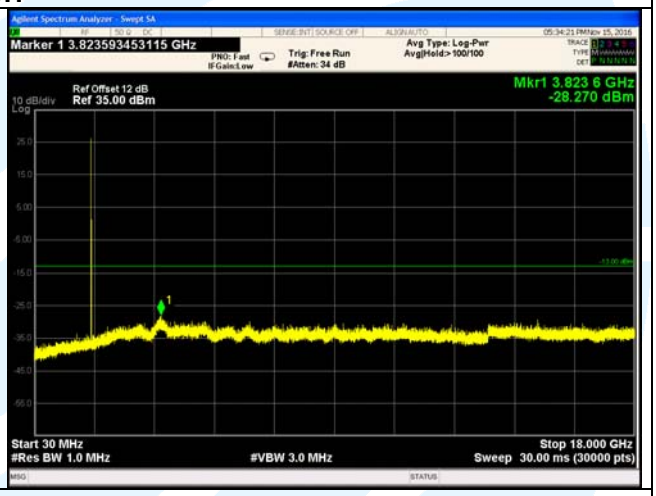
The test plot as follows:

Spurious Emission Test Data (9 KHz ~ 30 MHz):

The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

Spurious Emission Test Data (Above 30MHz):

LTE_ Band 4_Channel Bandwidth: 1.4 MHz_1RB#0	
QPSK	**16QAM**
LCH	
	
MCH	
	
HCH	
	

LTE_ Band 4_Channel Bandwidth: 3 MHz_1RB#0	
QPSK	**16QAM**
LCH	
	
MCH	
	
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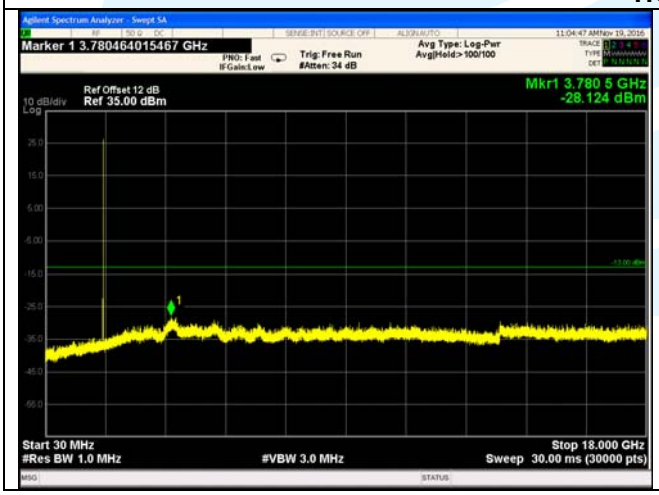
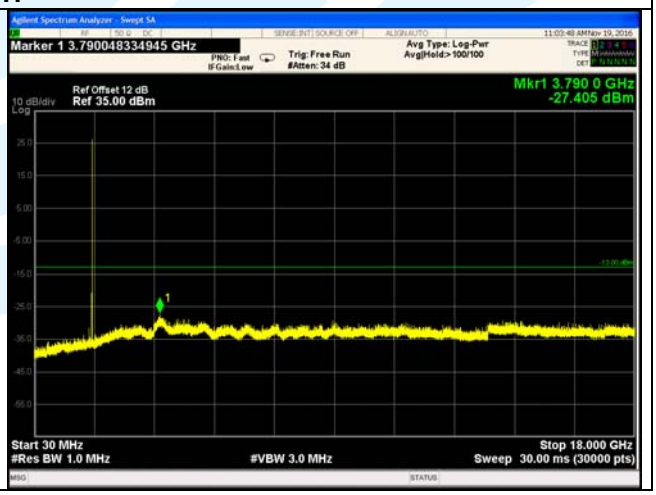
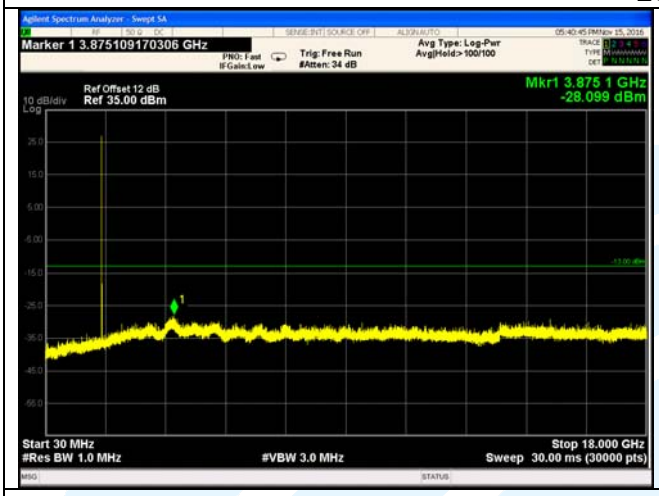
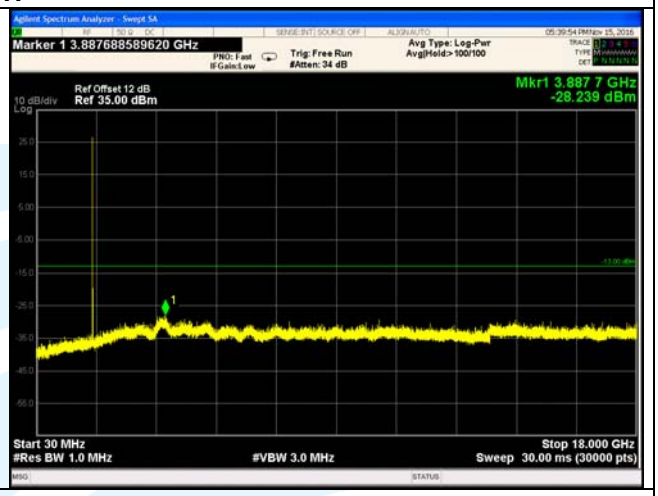
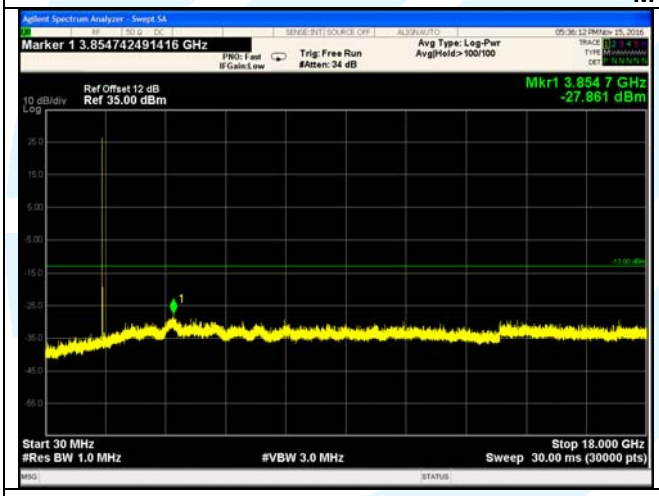
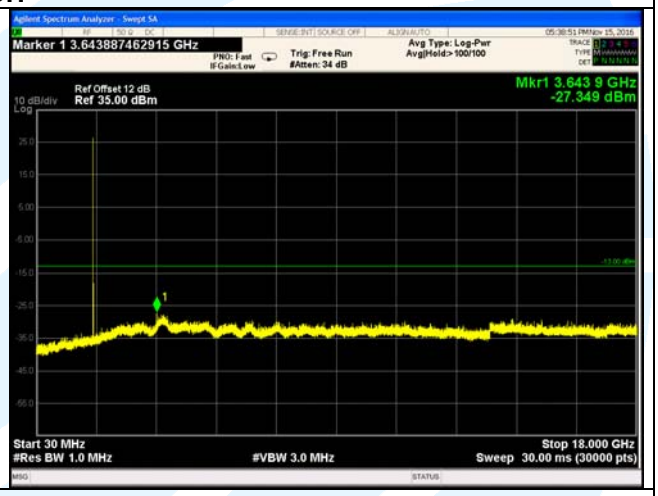
	

LTE_ Band 4_Channel Bandwidth: 5 MHz_1RB#0	
QPSK	**16QAM**
LCH	
	
MCH	
	
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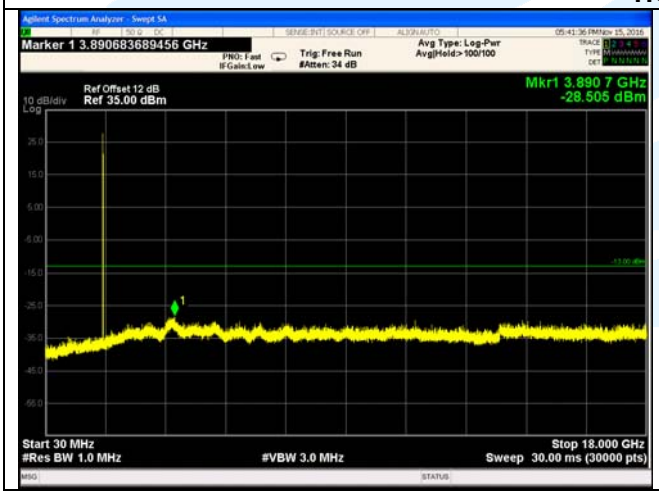
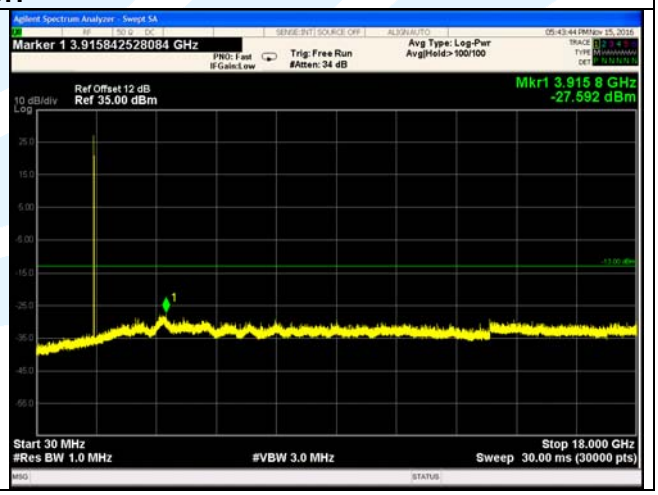
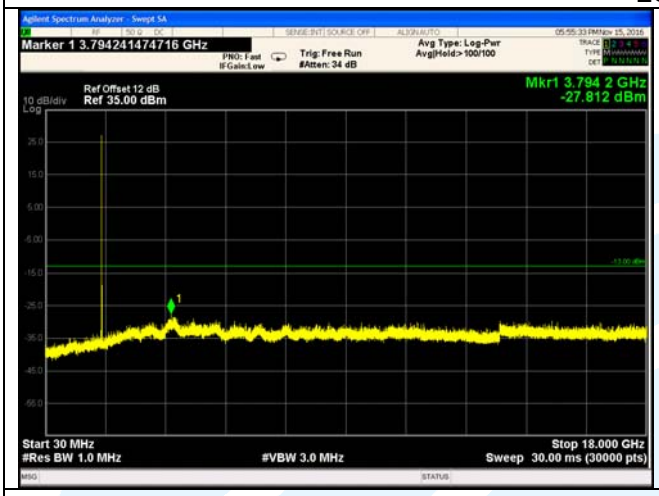
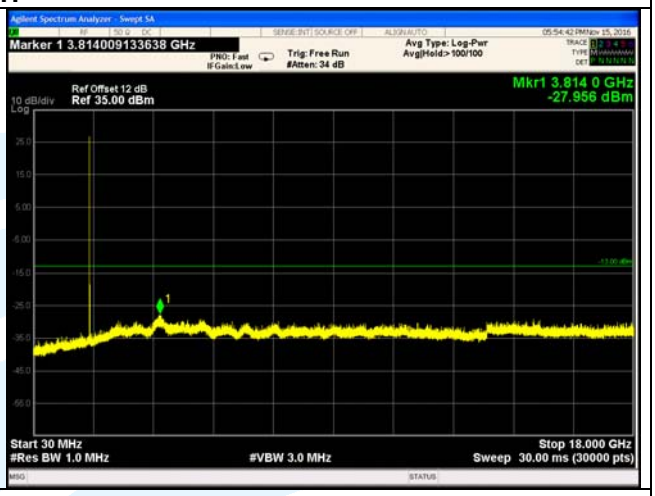
	

LTE_ Band 4_Channel Bandwidth: 10 MHz_1RB#0	
QPSK	**16QAM**
LCH	
	
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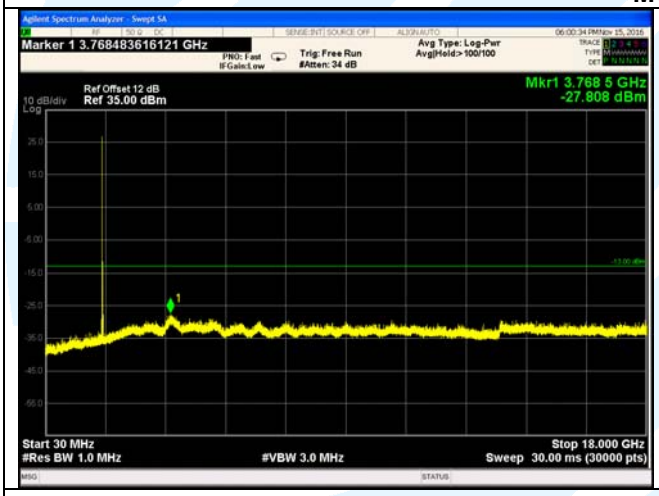	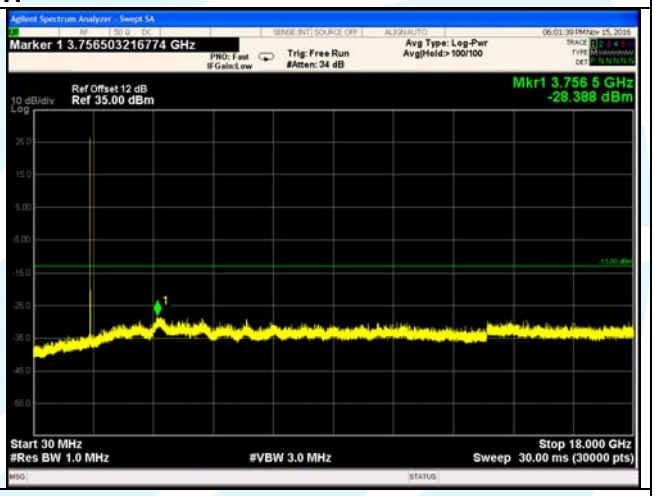
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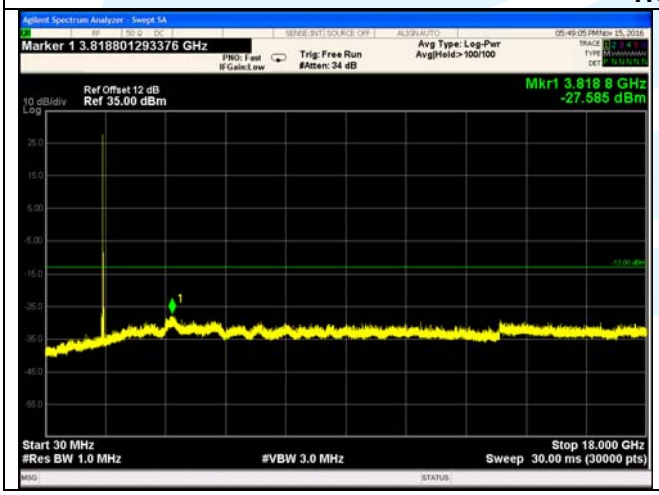
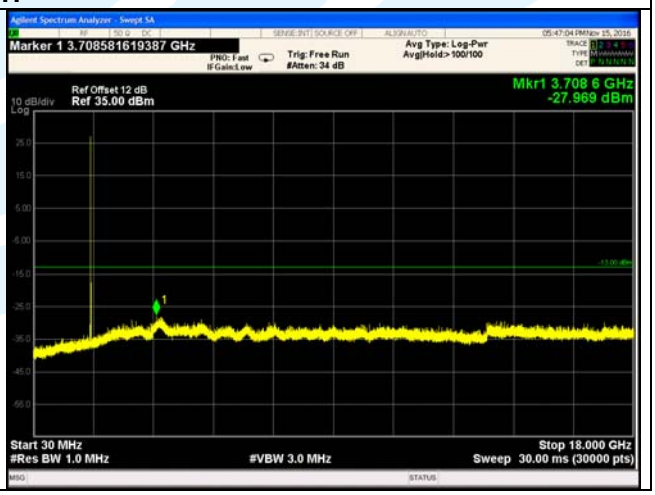
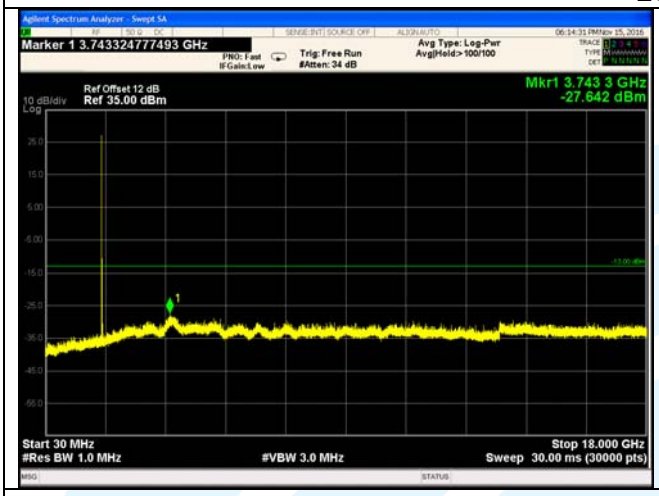
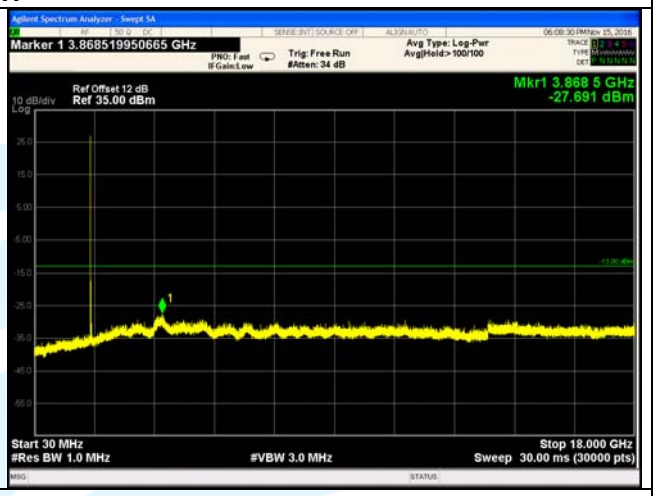
	

LTE_ Band 4_Channel Bandwidth: 15 MHz_1RB#0	
QPSK	**16QAM**
LCH	
	
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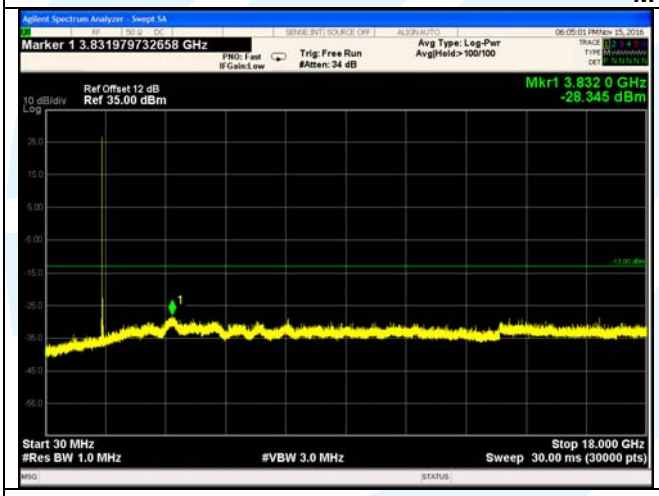	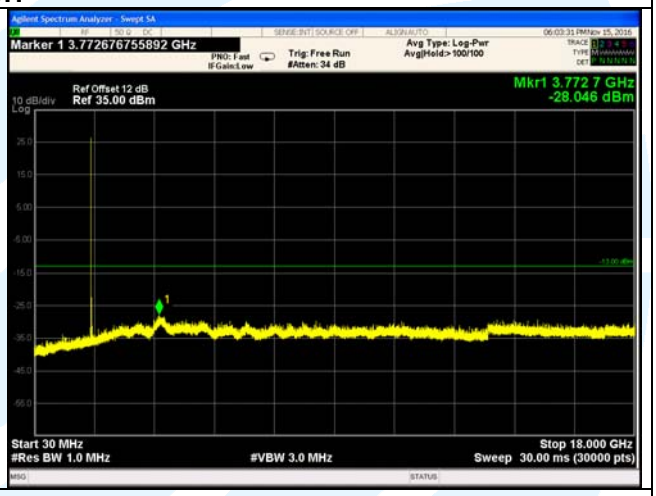
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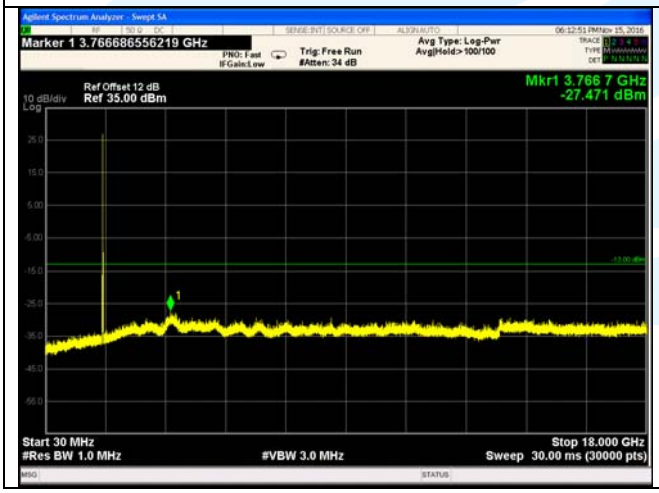
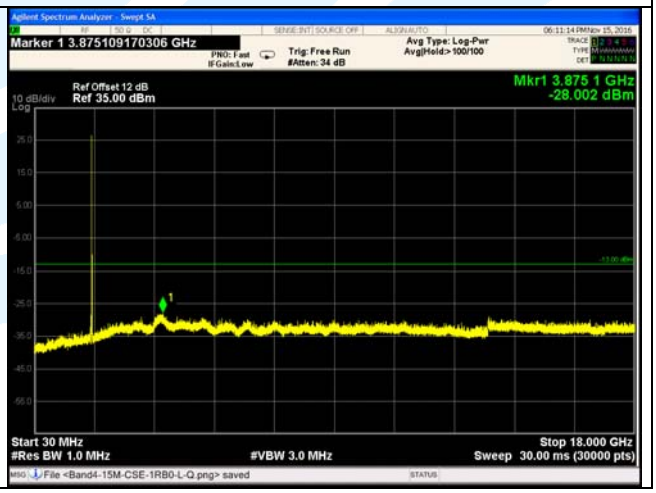
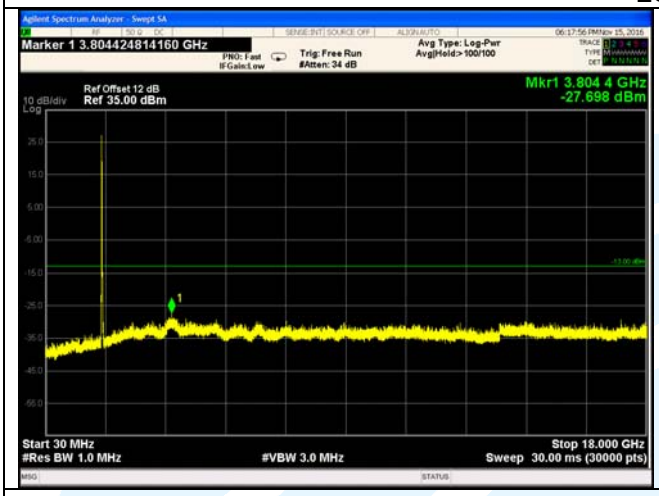
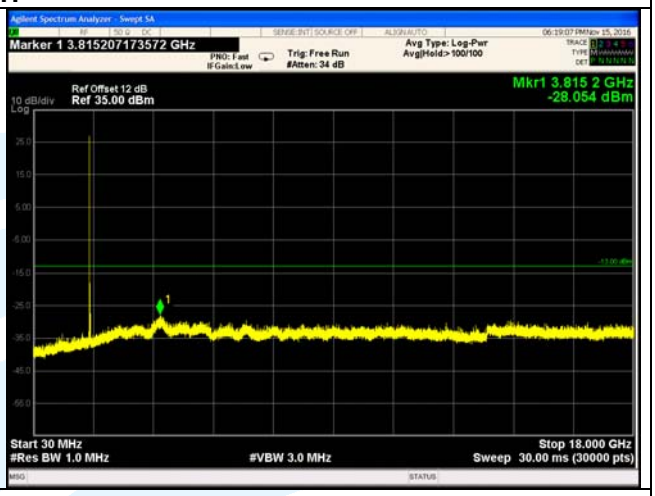
	

LTE_ Band 4_Channel Bandwidth: 20 MHz_1RB#0	
QPSK	**16QAM**
LCH	
	
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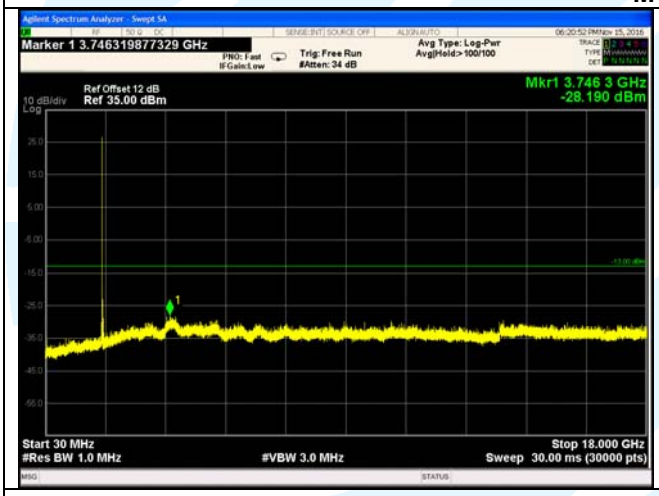	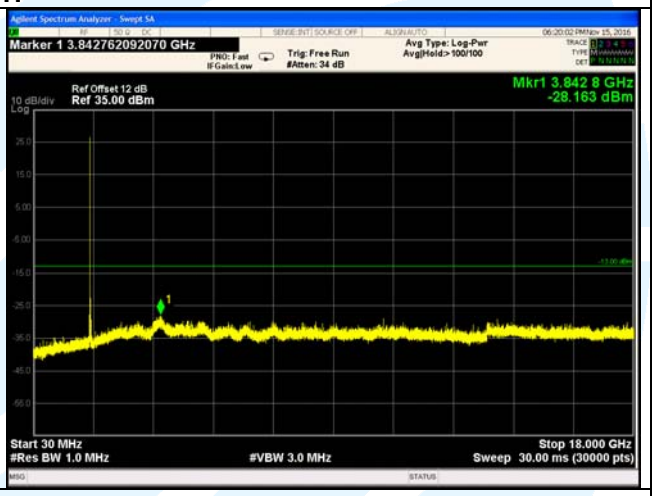
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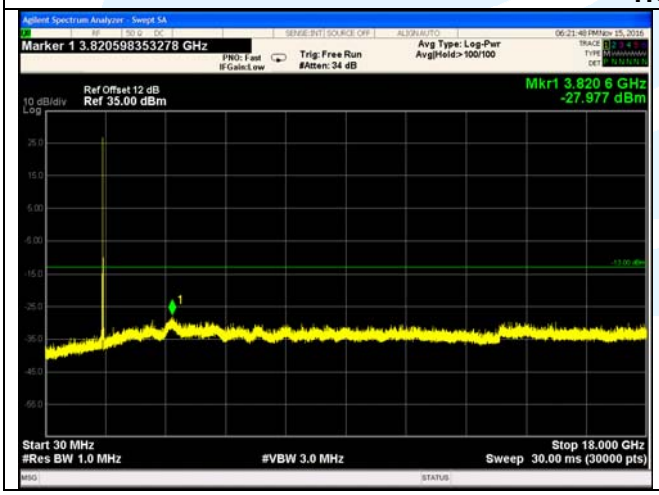
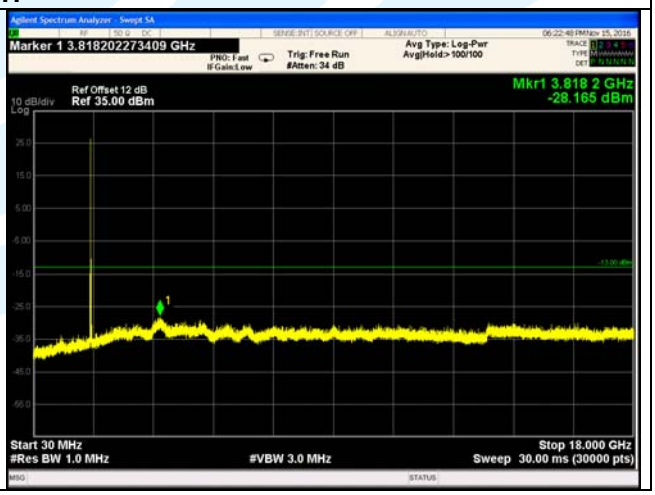
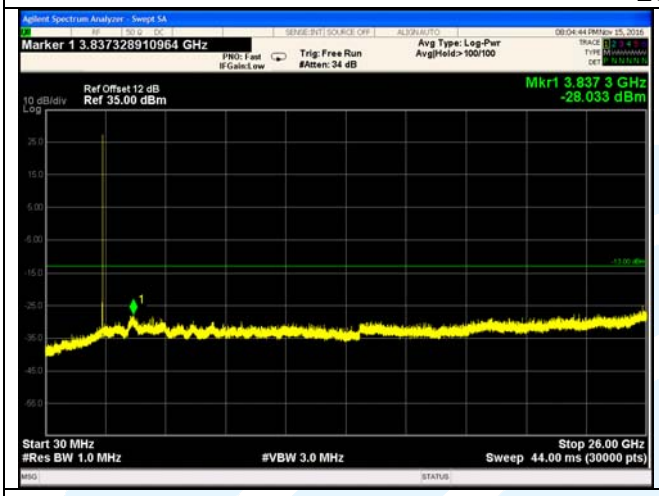
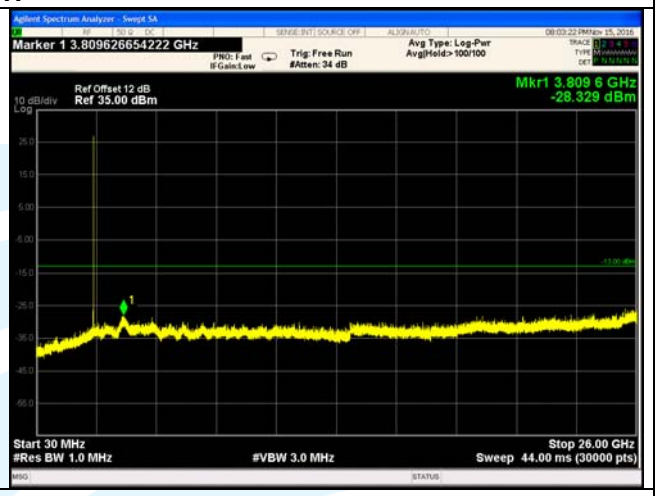
	

LTE_ Band 7_Channel Bandwidth: 5 MHz_1RB#0	
QPSK	**16QAM**
LCH	
	
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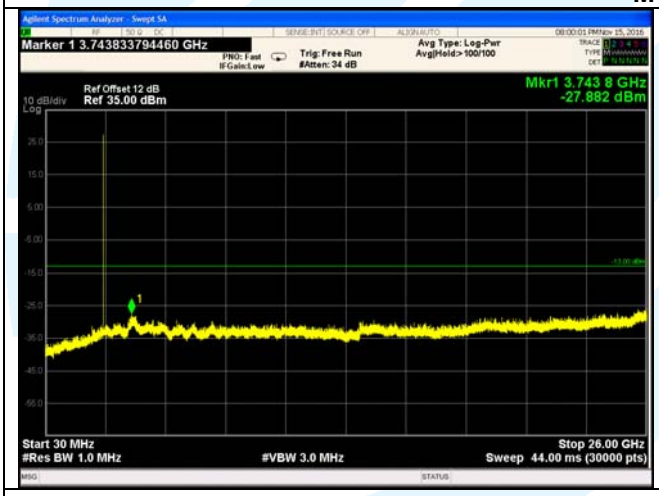	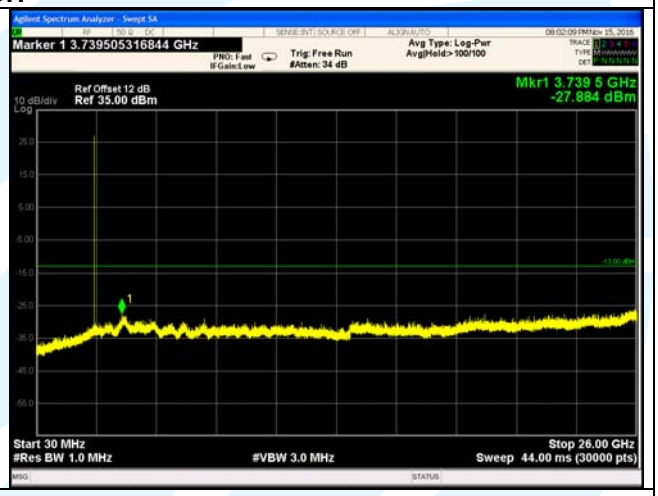
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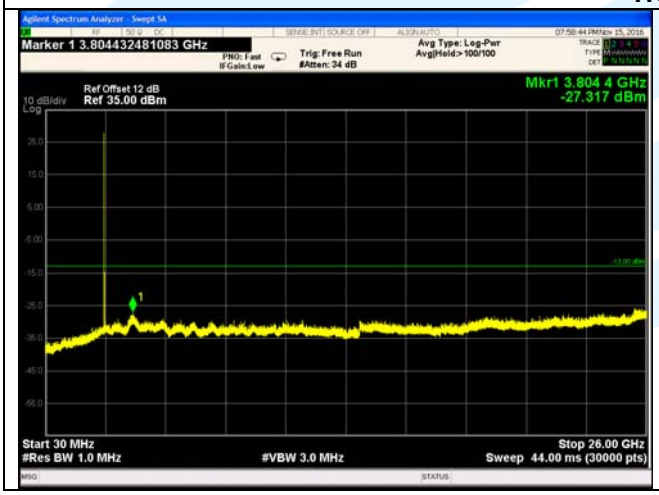
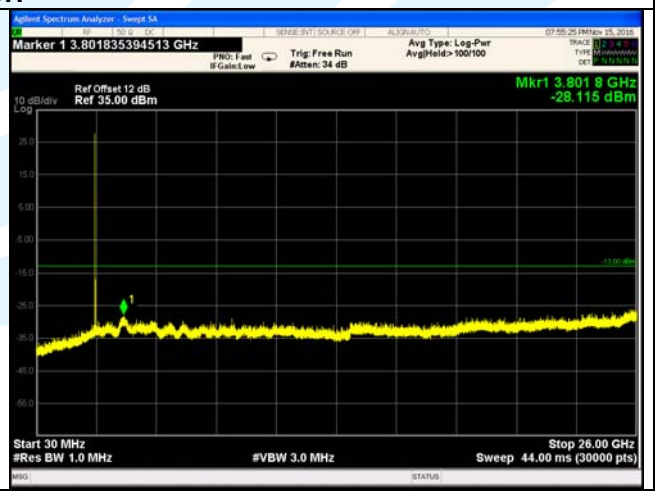
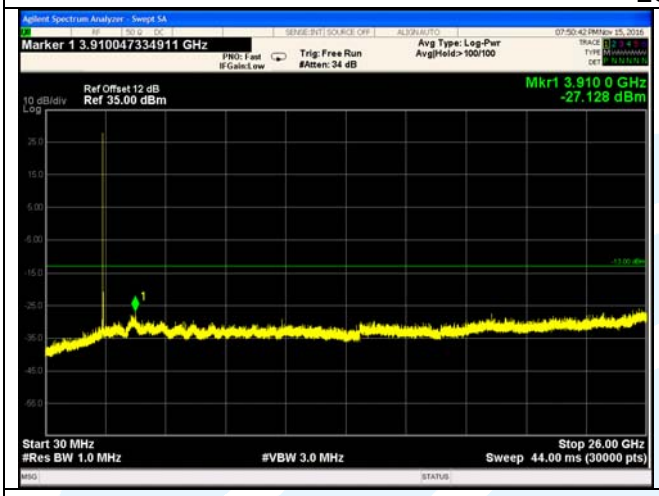
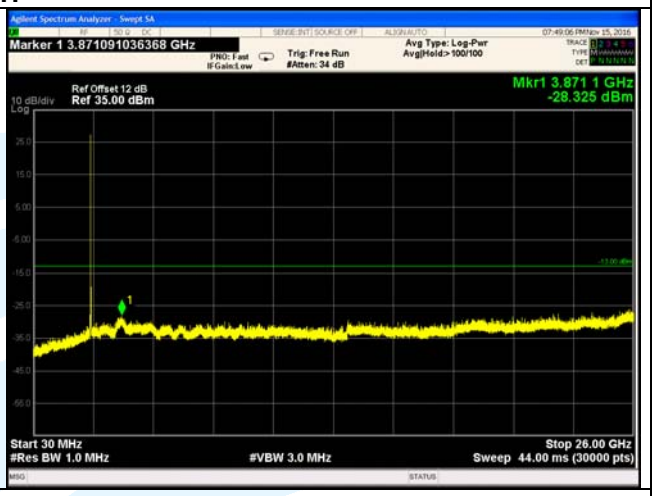
	

LTE_ Band 7_Channel Bandwidth: 10 MHz_1RB#0	
QPSK	**16QAM**
LCH	
	
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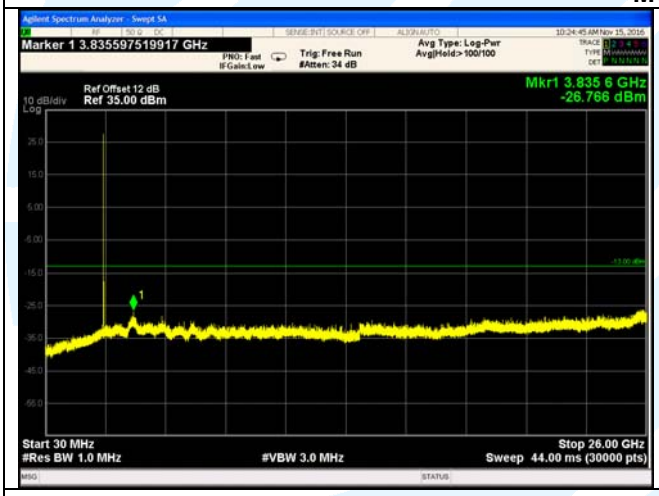	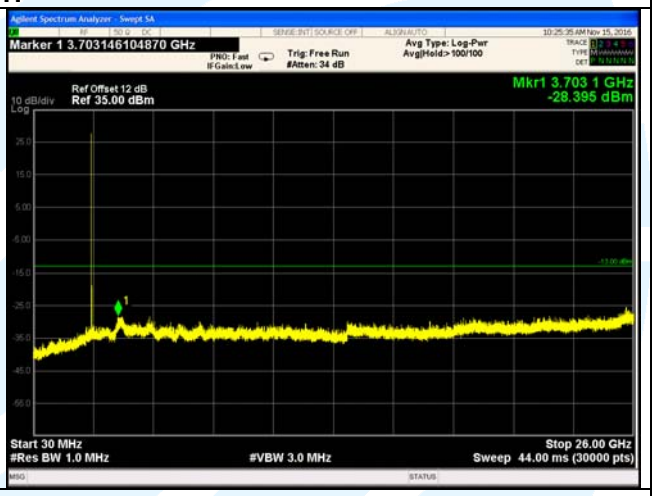
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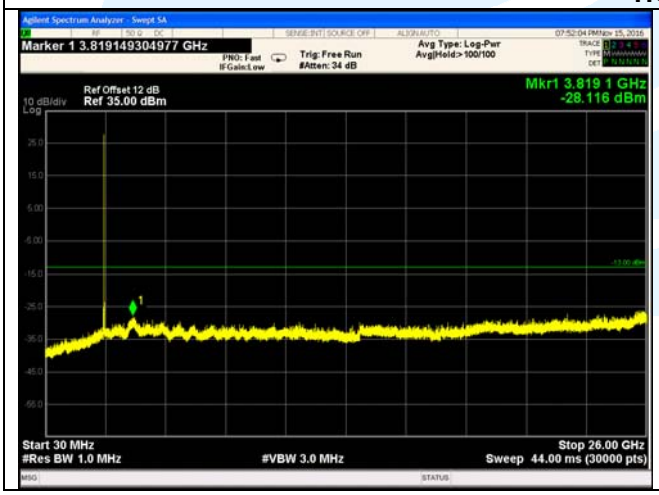
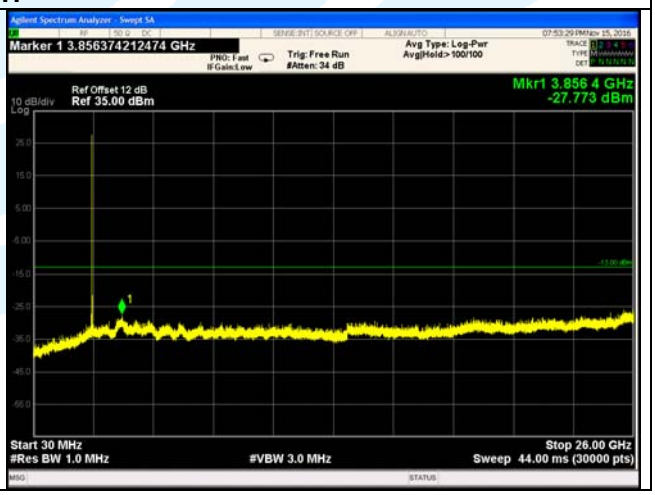
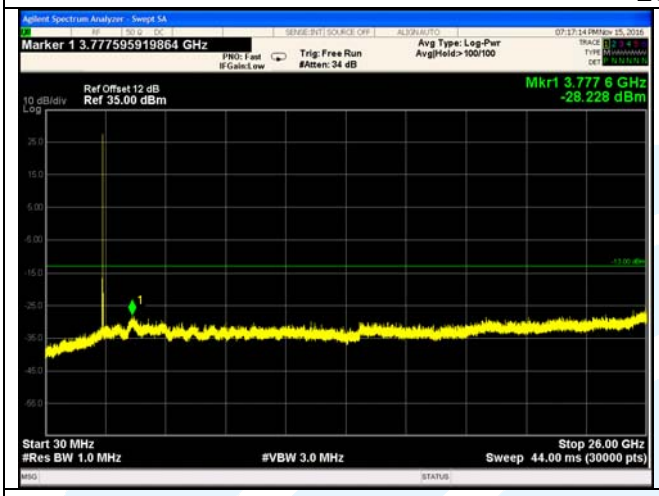
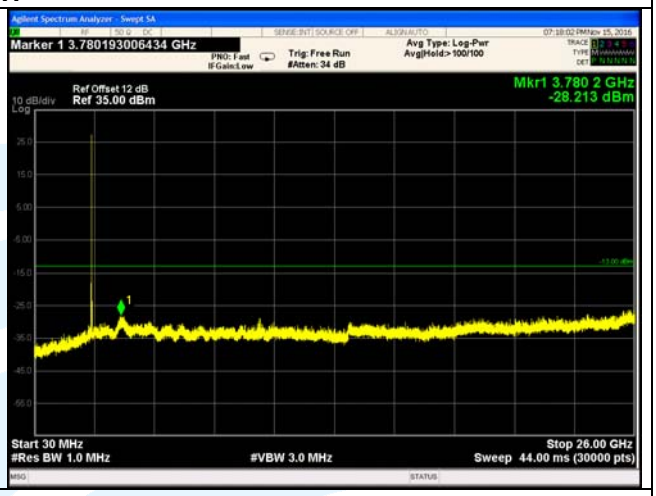
	

LTE_ Band 7_Channel Bandwidth: 15 MHz_1RB#0	
QPSK	**16QAM**
LCH	
	
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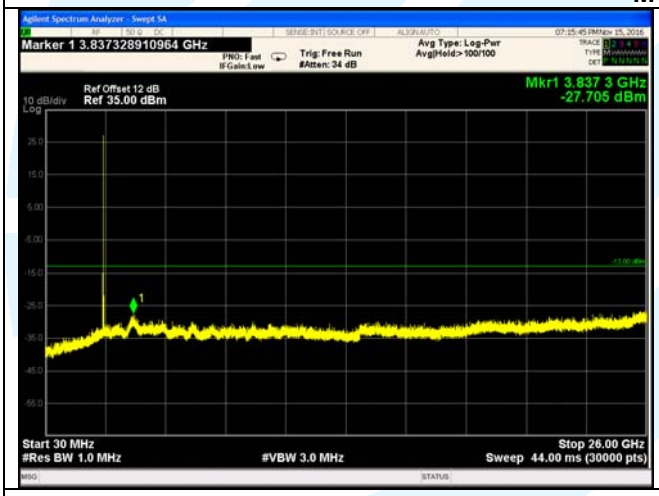	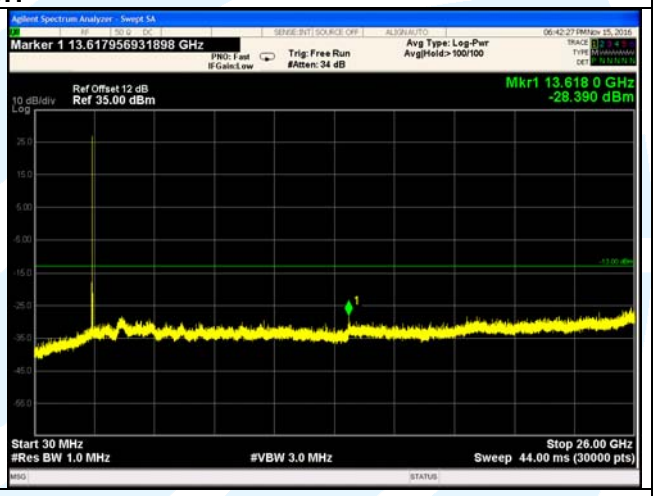
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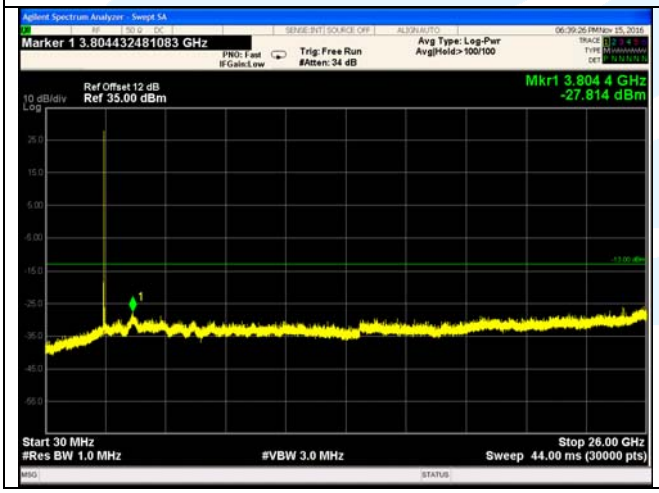
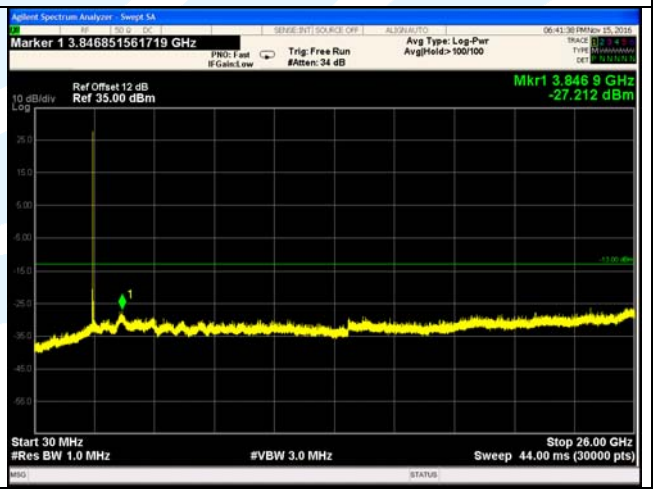
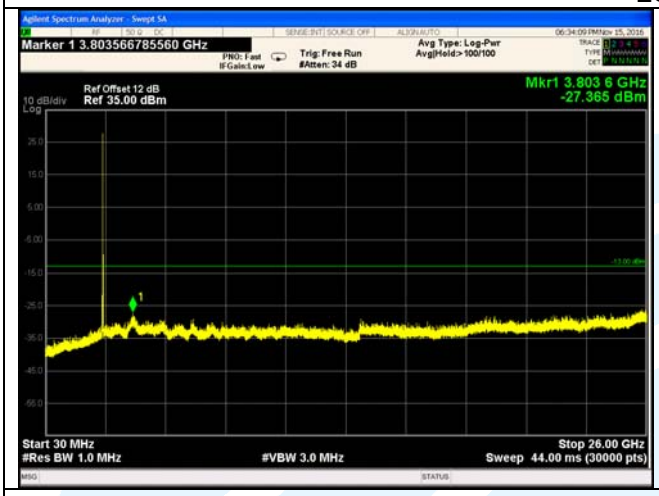
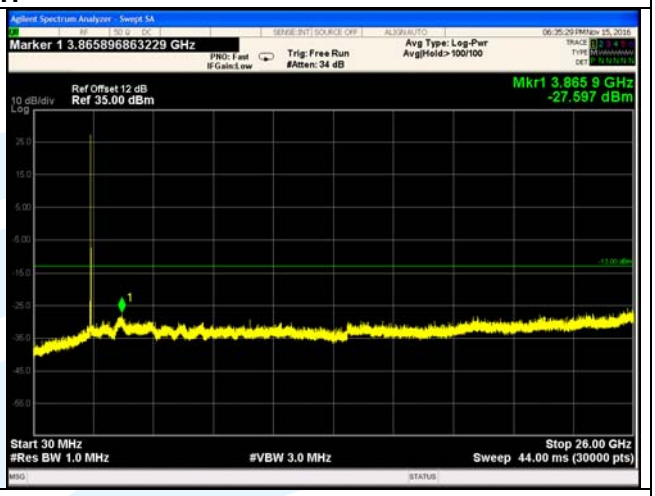
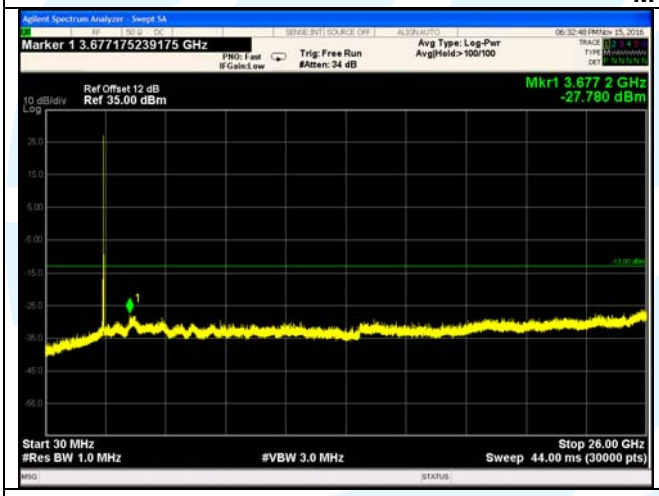
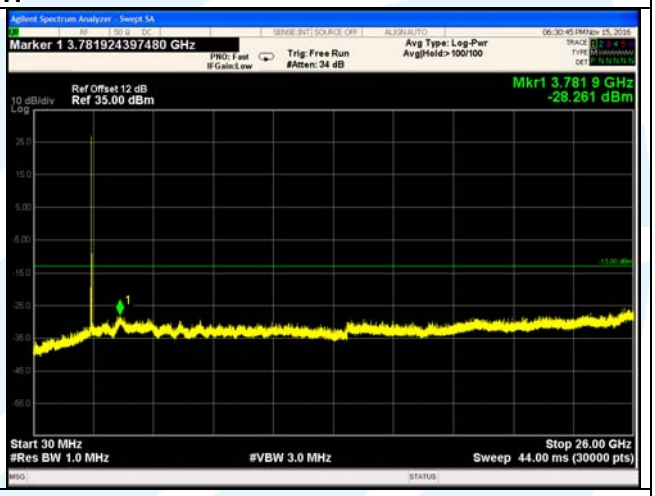
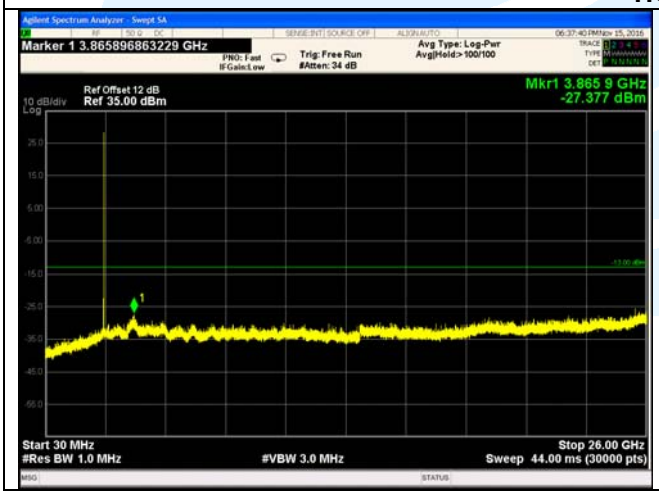
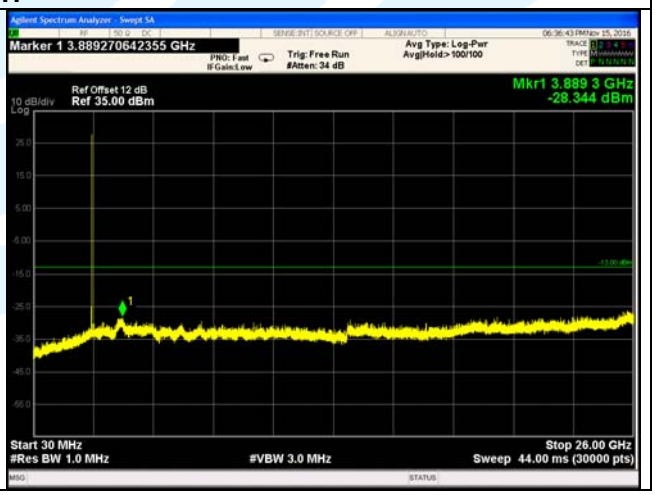
	

LTE_ Band 7_Channel Bandwidth: 20 MHz_1RB#0	
QPSK	**16QAM**
LCH	
	
MCH	
	
HCH	
	

5.7 Field strength of spurious radiation

Test Requirement: FCC 47 CFR Part 2.1053 & FCC 47 CFR Part 27.53(h)/(m)

Test Method: ANSI/TIA/EIA-603-D 2010 & KDB 971168 D01v02r02

Limit:

FCC 47 CFR Part 27.53(h)(1): 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 log10 (P) dB. The emission limit equal to –13 dBm.

FCC 47 CFR Part 27.53(m)(4): For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Test Procedure:

1. Scan up to 10th harmonic, find the maximum radiation frequency to measure.
2. The technique used to find the Spurious Emissions of the transmitter was the antenna substitution method. Substitution method was performed to determine the actual ERP/EIRP emission levels of the EUT.

Test procedure as below:

1) The EUT was powered ON and placed on a 1.5m high table at a 3 meter fully Anechoic Chamber. The antenna of the transmitter was extended to its maximum length. Modulation mode and the measuring receiver shall be tuned to the frequency of the transmitter under test.
2) The EUT was set 3 meters (above 18GHz the distance is 1 meter) away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3) The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made.
4) Steps 1) to 3) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.
5) The transmitter was then removed and replaced with another antenna. The center of the antenna was approximately at the same location as the center of the transmitter.
6) A signal at the disturbance was fed to the substitution antenna by means of a non-radiating cable. With both the substitution and the receive antennas horizontally polarized, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver. The level of the signal generator was adjusted until the measured field strength level in step 3) is obtained for this set of conditions.
7) The output power into the substitution antenna was then measured.
8) Steps 6) and 7) were repeated with both antennas polarized.
9) Calculate power in dBm by the following formula:

ERP(dBm) = Pg(dBm) – cable loss (dB) + antenna gain (dBd)
EIRP(dBm) = Pg(dBm) – cable loss (dB) + antenna gain (dBi)
EIRP=ERP+2.15dB

where:
Pg is the generator output power into the substitution antenna.

10) Test the EUT in the lowest channel, the middle channel the Highest channel

11) The radiation measurements are performed in X, Y, Z axis positioning for EUT operation mode, and found the Z axis positioning which it is worse case.
12) Repeat above procedures until all frequencies measured was complete.

Receiver Setup:

Frequency	Detector	RBW	VBW	Remark
0.009MHz-30MHz	Peak	10kHz	30kHz	Peak
30MHz-1GHz	Peak	100kHz	300kHz	Peak
Above 1GHz	Peak	1MHz	3MHz	Peak

Test Setup: Refer to section 4.1.2 for details.

Instruments Used: Refer to section 3 for details

Test Mode: Link mode

Test Results: Pass

Test Data:

5.7.1 Spurious Emission Test Data (9 KHz ~ 30 MHz)

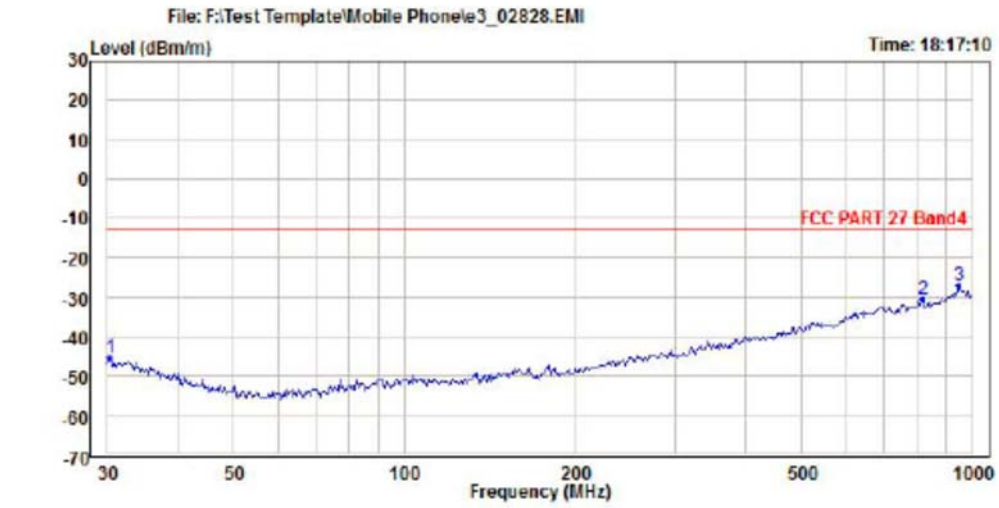
The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

5.7.2 Spurious Emission Test Data (Above 18 GHz)

The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

5.7.3 Spurious Emission Test Data (30 MHz ~ 1 GHz)

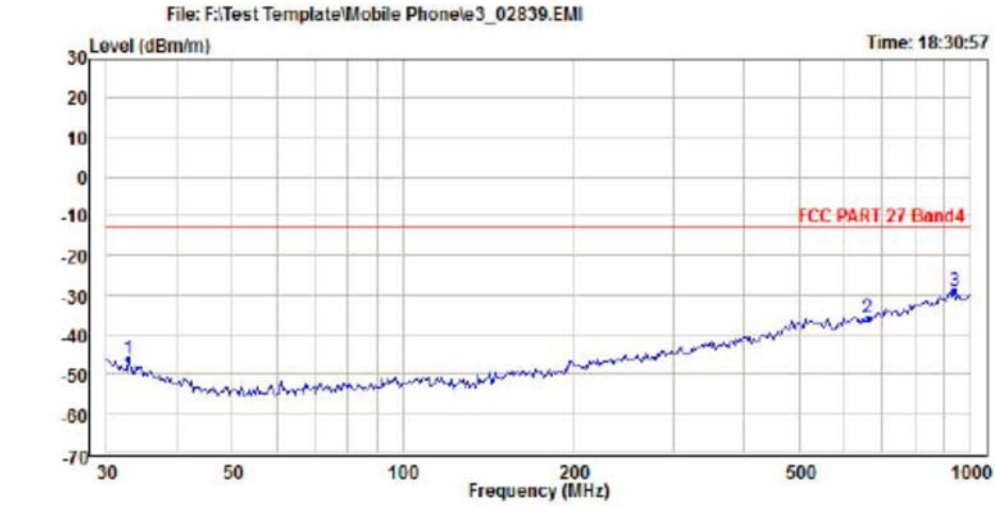
LTE Band 4; Bandwidth 1.4MHz; Modulation: QPSK; RB:1; Mid Channel: 20175/1732.5MHz_Horizontal



Condition : limit\FCC\FCC PART 27 Band4.csv 3m Horizontal
Temp.(C)/Hum.(%): 24.3(C) / 58%
Press : 100.29kPa
Product : Mobile Phone
Model No. : 2016102
Power Rating : 3.85V@Battery
Test Engineer : Kevin Liang
Test Mode : LTE_Band4_1.4MBW_QPSK_Mid_1RB2

	Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	30.211560	-72.22	16.48	10.38	-45.36	-13.00	-32.36	Peak	Horizontal
2	821.38710	-67.33	23.21	13.70	-30.42	-13.00	-17.42	Peak	Horizontal
3	PP952.00010	-66.33	25.04	14.11	-27.18	-13.00	-14.18	Peak	Horizontal

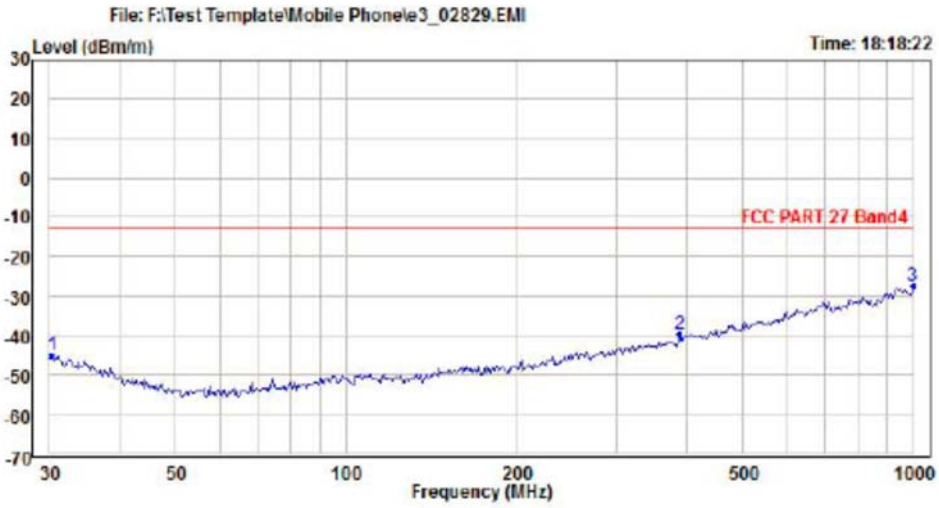
LTE Band 4; Bandwidth 1.4MHz; Modulation: QPSK; RB:1; Mid Channel: 20175/1732.5MHz_Vertical



Condition : limit\FCC\FCC PART 27 Band4.csv 3m Vertical
Temp.(C)/Hum.(%): 24.3(C) / 58%
Press : 100.29kPa
Product : Mobile Phone
Model No. : 2016102
Power Rating : 3.85V@Battery
Test Engineer : Kevin Liang
Test Mode : LTE_Band4_1.4MBW_QPSK_Mid_1RB2

	Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	32.869680	-70.68	14.05	10.42	-46.21	-13.00	-33.21	Peak	Vertical
2	660.60250	-68.86	19.88	13.25	-35.73	-13.00	-22.73	Peak	Vertical
3	PP938.71390	-66.99	23.79	14.08	-29.12	-13.00	-16.12	Peak	Vertical

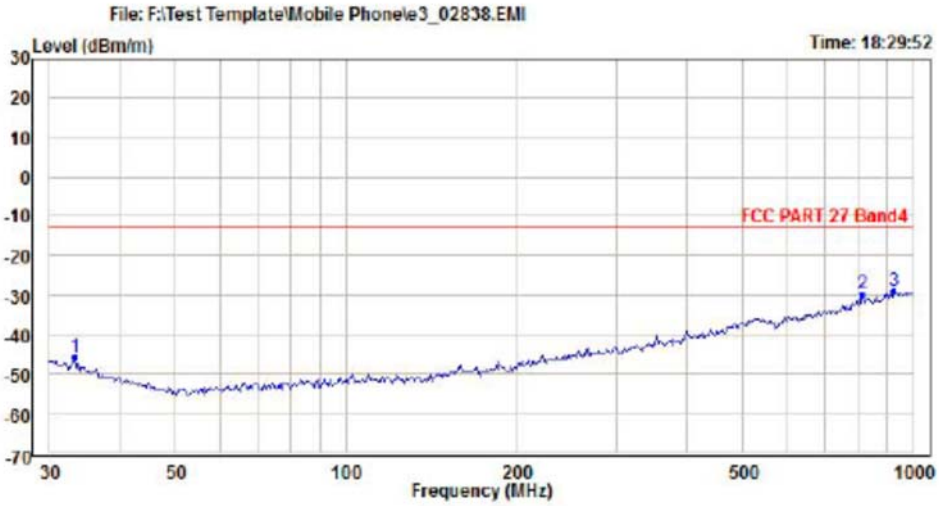
LTE Band 4; Bandwidth 3MHz; Modulation: QPSK; RB:1; Mid Channel: 20175/1732.5MHz_Horizontal




```
Condition       : limit\FCC\FCC PART 27 Band4.csv 3m Horizontal
Temp.(C)/Hum.(%): 24.3(C) / 58%
Press           : 100.29kPa
Product         : Mobile Phone
Model No.       : 2016102
Power Rating    : 3.85V@Battery
Test Engineer   : Kevin Liang
Test Mode       : LTE_Band4_3MBW_QPSK_Mid_1RB7
```

	Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	30.211560	-71.80	16.48	10.38	-44.94	-13.00	-31.94	Peak	Horizontal
2	387.25650	-68.63	16.53	12.37	-39.73	-13.00	-26.73	Peak	Horizontal
3	PP1000.0000	-65.85	24.40	14.12	-27.33	-13.00	-14.33	Peak	Horizontal

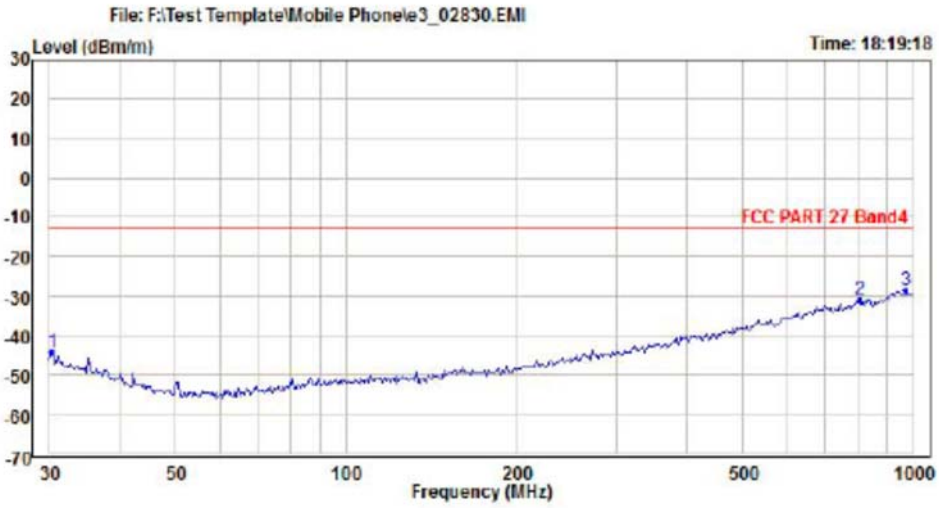
LTE Band 4; Bandwidth 3MHz; Modulation: QPSK; RB:1; Mid Channel: 20175/1732.5MHz_Vertical



Condition : limit\FCC\FCC PART 27 Band4.csv 3m Vertical
Temp.(C)/Hum.(%): 24.3(C) / 58%
Press : 100.29kPa
Product : Mobile Phone
Model No. : 2016102
Power Rating : 3.85V@Battery
Test Engineer : Kevin Liang
Test Mode : LTE_Band4_3MBW_QPSK_Mid_1RB7

	Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	33.101470	-70.11	13.93	10.43	-45.75	-13.00	-32.75	Peak	Vertical
2	815.63530	-66.14	22.78	13.68	-29.68	-13.00	-16.68	Peak	Vertical
3	PP925.61320	-67.00	23.90	14.04	-29.06	-13.00	-16.06	Peak	Vertical

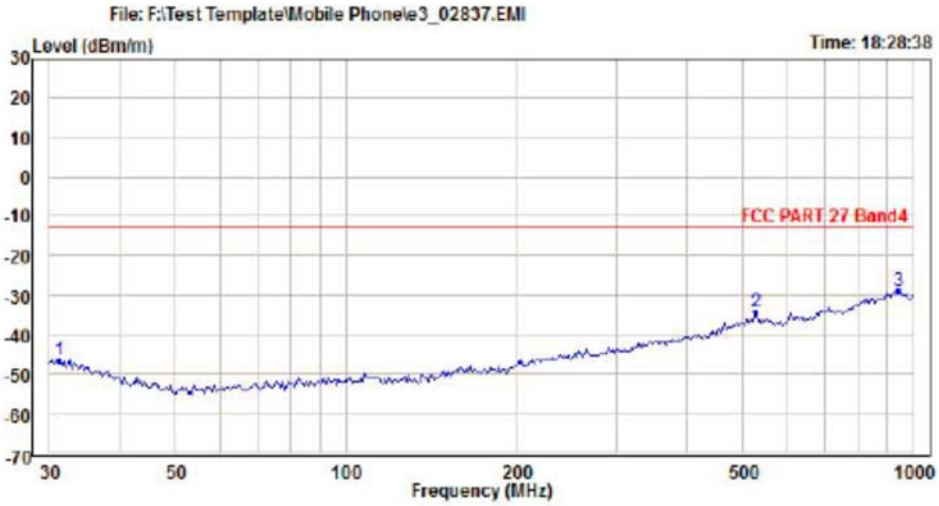
LTE Band 4; Bandwidth 5MHz; Modulation: QPSK; RB:1; Mid Channel: 20175/1732.5MHz_Horizontal




```
Condition       : limit\FCC\FCC PART 27 Band4.csv 3m Horizontal
Temp.(C)/Hum.(%): 24.3(C) / 58%
Press           : 100.29kPa
Product         : Mobile Phone
Model No.       : 2016102
Power Rating    : 3.85V@Battery
Test Engineer   : Kevin Liang
Test Mode       : LTE_Band4_5MBW_QPSK_Mid_1RB12
```

	Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	30.211560	-71.03	16.48	10.38	-44.17	-13.00	-31.17	Peak	Horizontal
2	804.25230	-67.79	23.28	13.64	-30.87	-13.00	-17.87	Peak	Horizontal
3	PP972.28270	-67.10	24.48	14.11	-28.51	-13.00	-15.51	Peak	Horizontal

LTE Band 4; Bandwidth 5MHz; Modulation: QPSK; RB:1; Mid Channel: 20175/1732.5MHz_Vertical

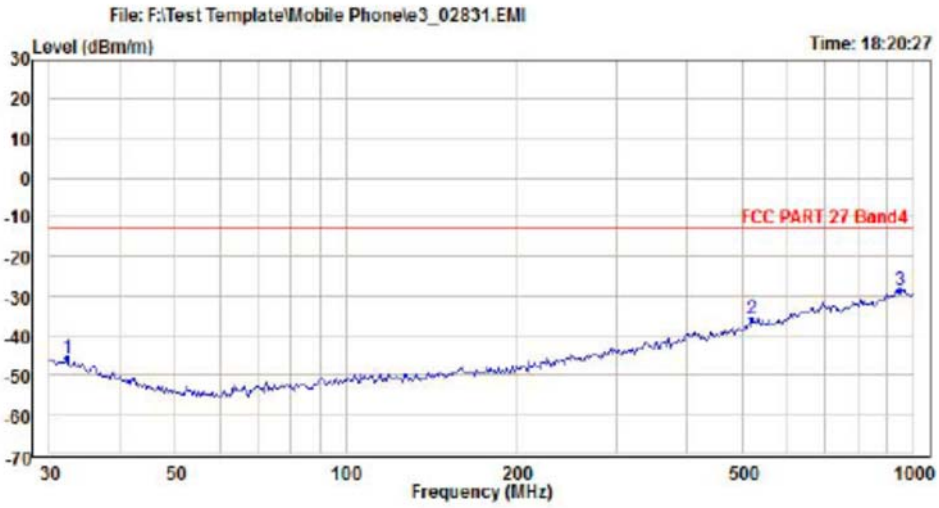


Condition : limit\FCC\FCC PART 27 Band4.csv 3m Vertical
Temp.(C)/Hum.(%): 24.3(C) / 58%
Press : 100.29kPa
Product : Mobile Phone
Model No. : 2016102
Power Rating : 3.85V@Battery
Test Engineer : Kevin Liang
Test Mode : LTE_Band4_5MBW_QPSK_Mid_1RB12

	Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	31.291930	-71.77	14.90	10.40	-46.47	-13.00	-33.47	Peak	Vertical
2	527.57070	-67.32	20.04	12.84	-34.44	-13.00	-21.44	Peak	Vertical
3	PP945.33360	-66.65	23.74	14.10	-28.81	-13.00	-15.81	Peak	Vertical

LTE Band 4; Bandwidth 10MHz; Modulation: QPSK; RB:1; Mid Channel: 20175/1732.5MHz_Horizontal

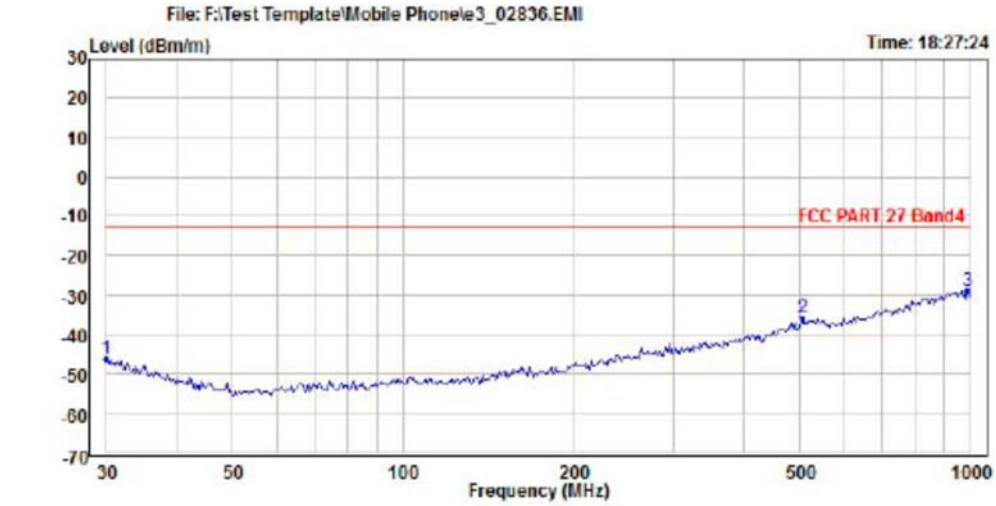
UnionTrust




```
Condition       : limit\FCC\FCC PART 27 Band4.csv 3m Horizontal
Temp.(C)/Hum.(%): 24.3(C) / 58%
Press           : 100.29kPa
Product         : Mobile Phone
Model No.       : 2016102
Power Rating    : 3.85V@Battery
Test Engineer   : Kevin Liang
Test Mode       : LTE_Band4_10MBW_QPSK_Mid_1RB24
```

	Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	32.183990	-71.43	15.40	10.41	-45.62	-13.00	-32.62	Peak	Horizontal
2	520.20790	-67.94	19.53	12.82	-35.59	-13.00	-22.59	Peak	Horizontal
3	PP952.00010	-67.61	25.04	14.11	-28.46	-13.00	-15.46	Peak	Horizontal

LTE Band 4; Bandwidth 10MHz; Modulation: QPSK; RB:1; Mid Channel: 20175/1732.5MHz_Vertical

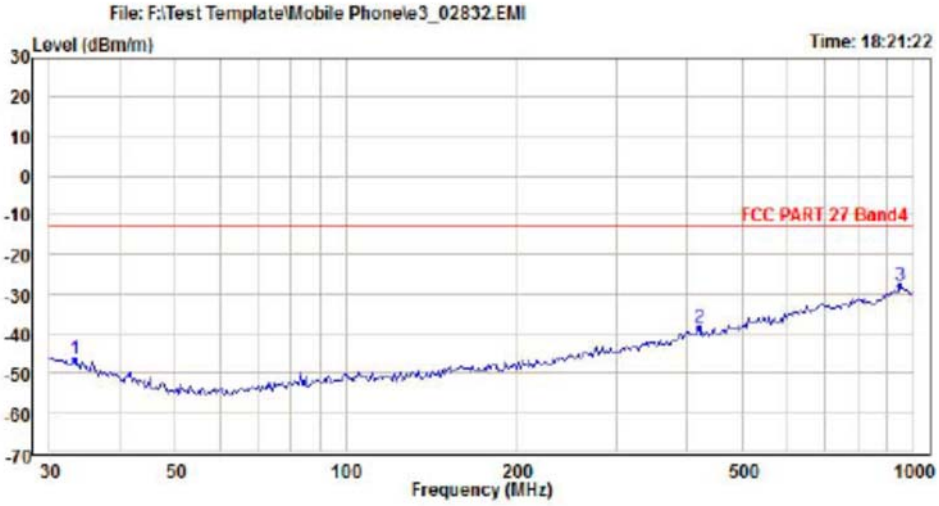


Condition : limit\FCC\FCC PART 27 Band4.csv 3m Vertical
Temp.(C)/Hum.(%): 24.3(C) / 58%
Press : 100.29kPa
Product : Mobile Phone
Model No. : 2016102
Power Rating : 3.85V@Battery
Test Engineer : Kevin Liang
Test Mode : LTE_Band4_10MBW_QPSK_Mid_1RB24

	Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	30.000000	-72.11	15.60	10.38	-46.13	-13.00	-33.13	Peak	Vertical
2	505.78910	-67.78	19.33	12.79	-35.66	-13.00	-22.66	Peak	Vertical
3	PP992.99740	-66.41	23.44	14.12	-28.85	-13.00	-15.85	Peak	Vertical

LTE Band 4; Bandwidth 15MHz; Modulation: QPSK; RB:1; Mid Channel: 20175/1732.5MHz_Horizontal

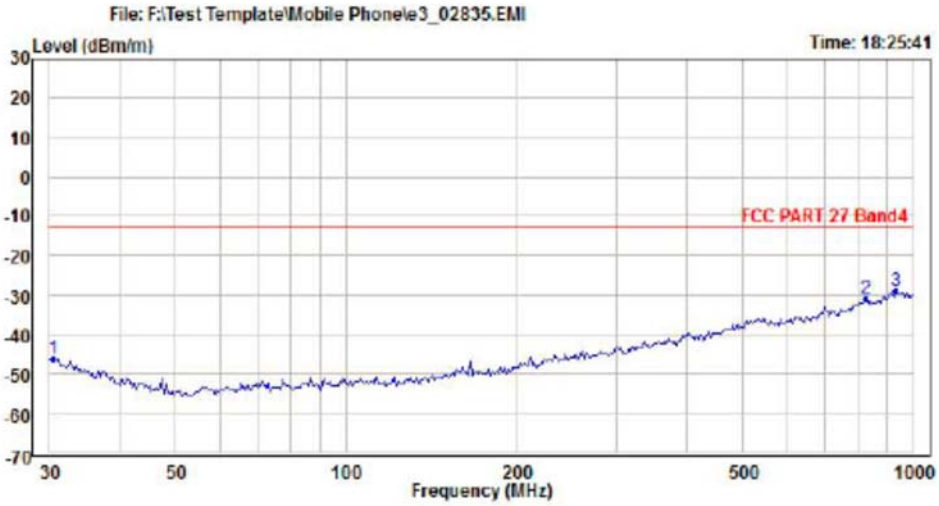
UnionTrust




```
Condition       : limit\FCC\FCC PART 27 Band4.csv 3m Horizontal
Temp.(C)/Hum.(%): 24.3(C) / 58%
Press           : 100.29kPa
Product         : Mobile Phone
Model No.       : 2016102
Power Rating    : 3.85V@Battery
Test Engineer   : Kevin Liang
Test Mode       : LTE_Band4_15MBW_QPSK_Mid_1RB37
```

	Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	33.101470	-71.91	14.89	10.43	-46.59	-13.00	-33.59	Peak	Horizontal
2	418.37840	-67.96	17.18	12.49	-38.29	-13.00	-25.29	Peak	Horizontal
3	PP952.00010	-67.06	25.04	14.11	-27.91	-13.00	-14.91	Peak	Horizontal

LTE Band 4; Bandwidth 15MHz; Modulation: QPSK; RB:1; Mid Channel: 20175/1732.5MHz_Vertical

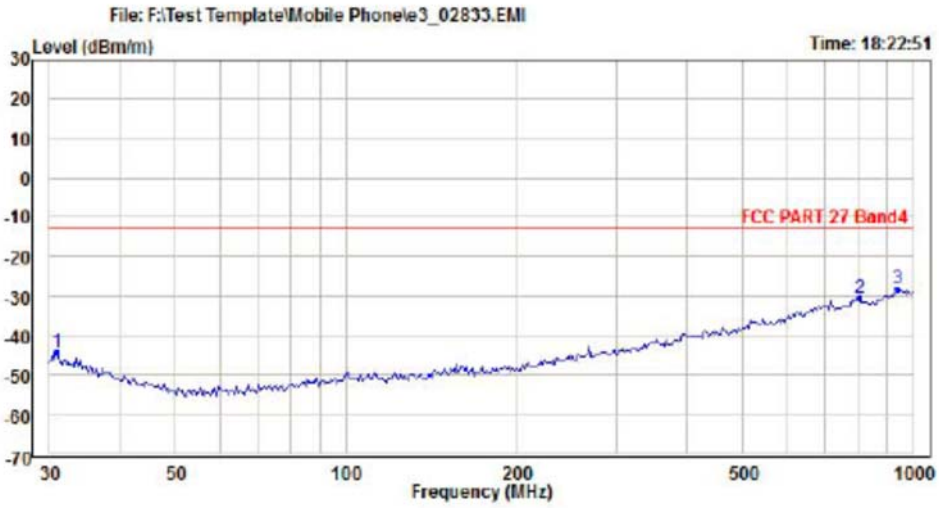


Condition : limit\FCC\FCC PART 27 Band4.csv 3m Vertical
Temp.(C)/Hum.(%): 24.3(C) / 58%
Press : 100.29kPa
Product : Mobile Phone
Model No. : 2016102
Power Rating : 3.85V@Battery
Test Engineer : Kevin Liang
Test Mode : LTE_Band4_15MBW_QPSK_Mid_1RB37

	Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	30.424610	-71.62	15.37	10.39	-45.86	-13.00	-32.86	Peak	Vertical
2	827.17940	-67.36	22.97	13.72	-30.67	-13.00	-17.67	Peak	Vertical
3	PP932.14050	-66.96	23.84	14.06	-29.06	-13.00	-16.06	Peak	Vertical

LTE Band 4; Bandwidth 20MHz; Modulation: QPSK; RB:1; Mid Channel: 20175/1732.5MHz_Horizontal

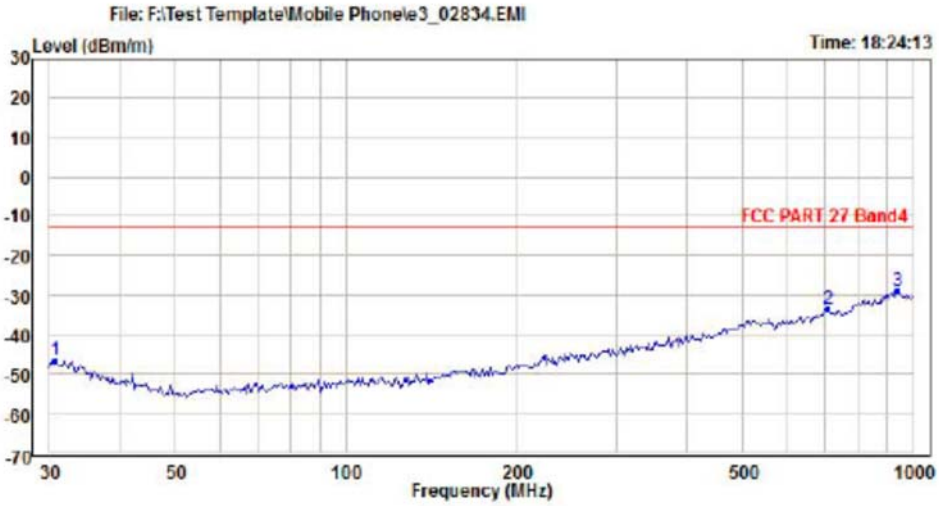
UnionTrust




```
Condition       : limit\FCC\FCC PART 27 Band4.csv 3m Horizontal
Temp.(C)/Hum.(%): 24.3(C) / 58%
Press           : 100.29kPa
Product         : Mobile Phone
Model No.       : 2016102
Power Rating    : 3.85V@Battery
Test Engineer   : Kevin Liang
Test Mode       : LTE_Band4_20MBW_QPSK_Mid_1RB50
```

	Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	30.855220	-70.62	16.13	10.39	-44.10	-13.00	-31.10	Peak	Horizontal
2	804.25230	-67.50	23.28	13.64	-30.58	-13.00	-17.58	Peak	Horizontal
3	PP938.71390	-66.87	24.60	14.08	-28.19	-13.00	-15.19	Peak	Horizontal

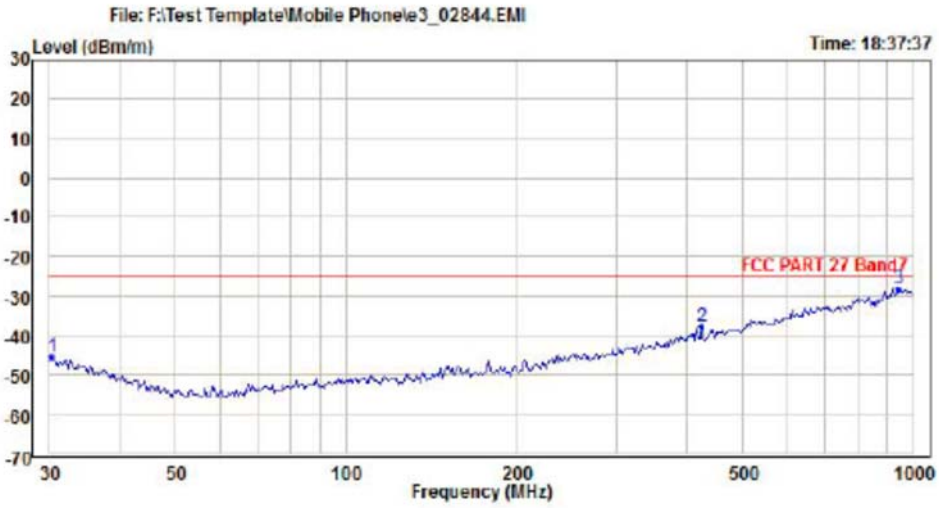
LTE Band 4; Bandwidth 20MHz; Modulation: QPSK; RB:1; Mid Channel: 20175/1732.5MHz_Vertical



Condition : limit\FCC\FCC PART 27 Band4.csv 3m Vertical
Temp.(C)/Hum.(%): 24.3(C) / 58%
Press : 100.29kPa
Product : Mobile Phone
Model No. : 2016102
Power Rating : 3.85V@Battery
Test Engineer : Kevin Liang
Test Mode : LTE_Band4_20MBW_QPSK_Mid_1RB50

	Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	30.639160	-71.92	15.25	10.39	-46.28	-13.00	-33.28	Peak	Vertical
2	708.69410	-67.97	21.23	13.42	-33.32	-13.00	-20.32	Peak	Vertical
3	PP938.71390	-66.79	23.79	14.08	-28.92	-13.00	-15.92	Peak	Vertical

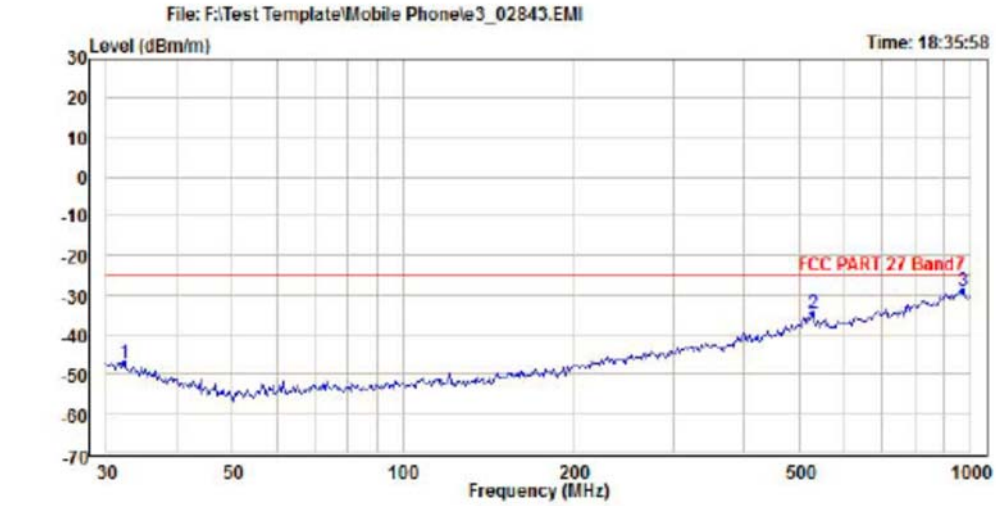
LTE Band 7; Bandwidth 5.0 MHz; Modulation: QPSK; RB:1;Mid Channel: 21100/2535MHz_Horizontal




```
Condition       : limit\FCC\FCC PART 27 Band7.csv 3m Horizontal
Temp.(C)/Hum.(%): 24.3(C) / 58%
Press           : 100.29kPa
Product         : Mobile Phone
Model No.       : 2016102
Power Rating    : 3.85V@Battery
Test Engineer   : Kevin Liang
Test Mode       : LTE_Band7_5MBW_QPSK_Mid_1RB12
```

	Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	30.211560	-72.33	16.48	10.38	-45.47	-25.00	-20.47	Peak	Horizontal
2	424.29990	-67.46	17.11	12.51	-37.84	-25.00	-12.84	Peak	Horizontal
3	PP945.33360	-67.05	24.89	14.10	-28.06	-25.00	-3.06	Peak	Horizontal

LTE Band 7; Bandwidth 5.0 MHz; Modulation: QPSK; RB:1; Mid Channel: 21100/2535MHz_Vertical

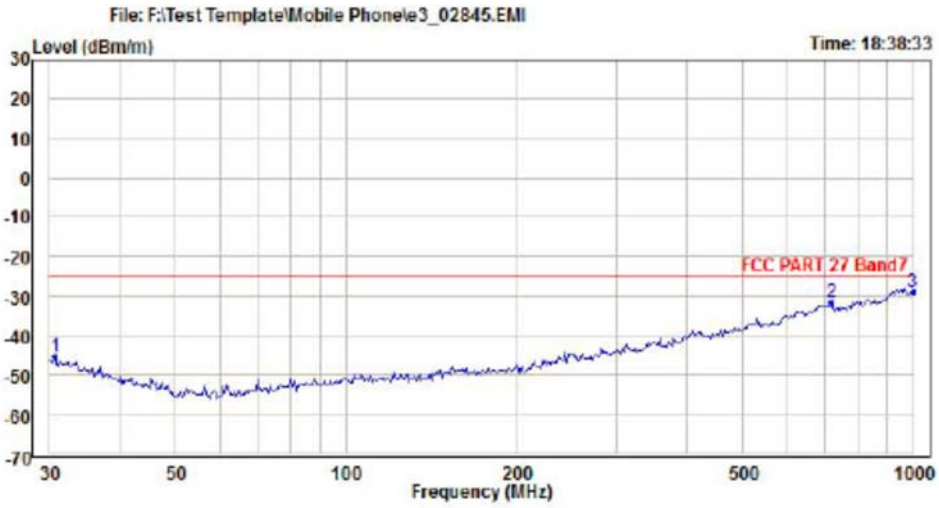


Condition : limit\FCC\FCC PART 27 Band7.csv 3m Vertical
Temp.(C)/Hum.(%): 24.3(C) / 58%
Press : 100.29kPa
Product : Mobile Phone
Model No. : 2016102
Power Rating : 3.85V@Battery
Test Engineer : Kevin Liang
Test Mode : LTE_Band7_5MBW_QPSK_Mid_1RB12

	Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	32.183990	-71.86	14.42	10.41	-47.03	-25.00	-22.03	Peak	Vertical
2	527.57070	-67.66	20.04	12.84	-34.78	-25.00	-9.78	Peak	Vertical
3	PP972.28270	-66.46	23.34	14.11	-29.01	-25.00	-4.01	Peak	Vertical

LTE Band 7; Bandwidth 10 MHz; Modulation: QPSK; RB:1;Mid Channel: 21100/2535MHz_Horizontal

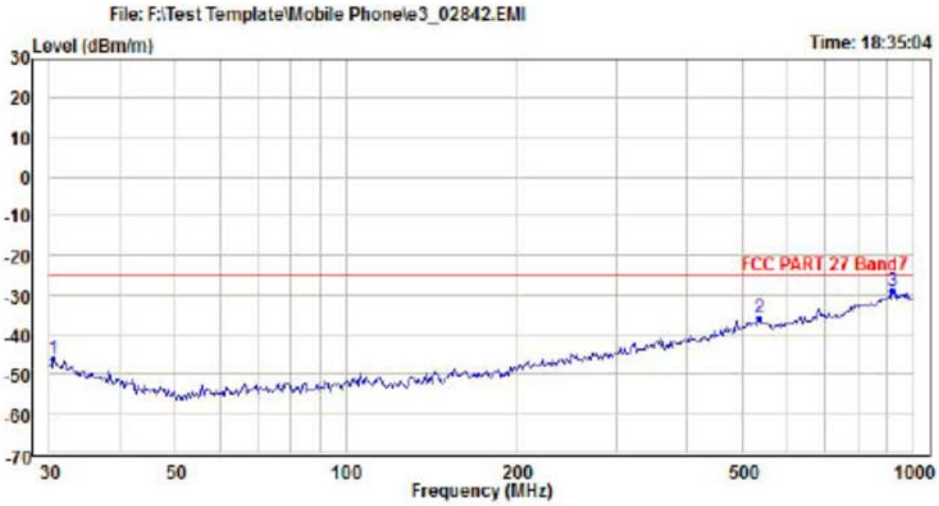
UnionTrust




```
Condition       : limit\FCC\FCC PART 27 Band7.csv 3m Horizontal
Temp.(C)/Hum.(%): 24.3(C) / 58%
Press           : 100.29kPa
Product         : Mobile Phone
Model No.       : 2016102
Power Rating    : 3.85V@Battery
Test Engineer   : Kevin Liang
Test Mode       : LTE_Band7_10MBW_QPSK_Mid_1RB24
```

	Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	30.639160	-71.89	16.25	10.39	-45.25	-25.00	-20.25	Peak	Horizontal
2	718.72460	-67.57	22.45	13.42	-31.70	-25.00	-6.70	Peak	Horizontal
3	PP1000.0000	-67.59	24.40	14.12	-29.07	-25.00	-4.07	Peak	Horizontal

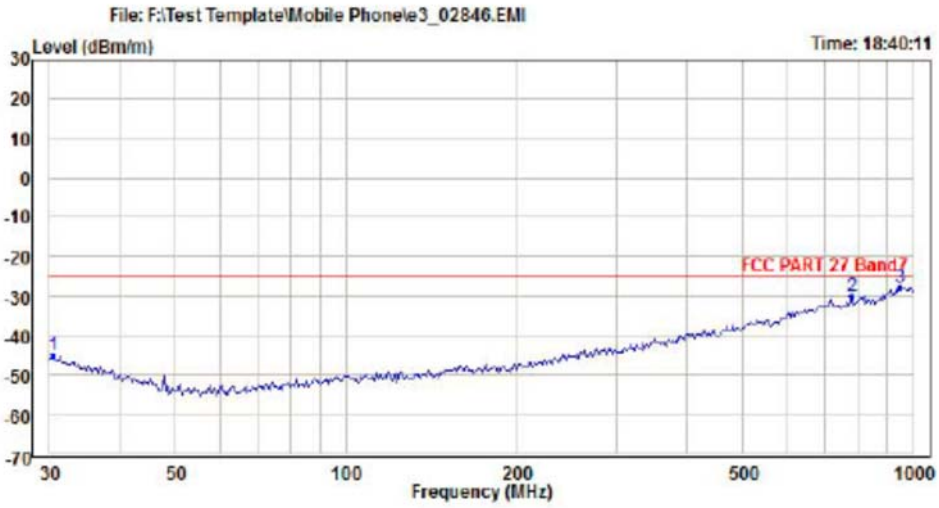
LTE Band 7; Bandwidth 10 MHz; Modulation: QPSK; RB:1; Mid Channel: 21100/2535MHz_Vertical




```
Condition       : limit\FCC\FCC PART 27 Band7.csv 3m Vertical
Temp.(C)/Hum.(%): 24.3(C) / 58%
Press           : 100.29kPa
Product         : Mobile Phone
Model No.       : 2016102
Power Rating    : 3.85V@Battery
Test Engineer   : Kevin Liang
Test Mode       : LTE_Band7_10MBW_QPSK_Mid_1RB24
```

	Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	30.424610	-71.82	15.37	10.39	-46.06	-25.00	-21.06	Peak	Vertical
2	535.03770	-68.38	19.86	12.85	-35.67	-25.00	-10.67	Peak	Vertical
3	PP919.13150	-66.81	23.85	14.02	-28.94	-25.00	-3.94	Peak	Vertical

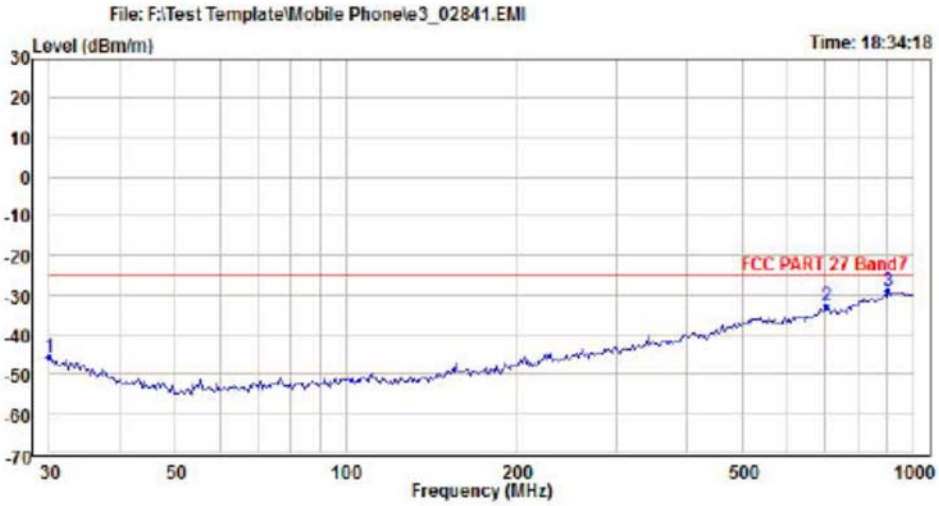
LTE Band 7; Bandwidth 15 MHz; Modulation: QPSK; RB:1;Mid Channel: 21100/2535MHz_Horizontal




```
Condition       : limit\FCC\FCC PART 27 Band7.csv 3m Horizontal
Temp.(C)/Hum.(%): 24.3(C) / 58%
Press           : 100.29kPa
Product         : Mobile Phone
Model No.       : 2016102
Power Rating    : 3.85V@Battery
Test Engineer   : Kevin Liang
Test Mode       : LTE_Band7_15MBW_QPSK_Mid_1RB37
```

	Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	30.424610	-71.68	16.37	10.39	-44.92	-25.00	-19.92	Peak	Horizontal
2	781.96060	-66.54	22.87	13.57	-30.10	-25.00	-5.10	Peak	Horizontal
3	PP952.00010	-66.77	25.04	14.11	-27.62	-25.00	-2.62	Peak	Horizontal

LTE Band 7; Bandwidth 15 MHz; Modulation: QPSK; RB:1; Mid Channel: 21100/2535MHz_Vertical




```
Condition       : limit\FCC\FCC PART 27 Band7.csv 3m Vertical
Temp.(C)/Hum.(%): 24.3(C) / 58%
Press           : 100.29kPa
Product         : Mobile Phone
Model No.       : 2016102
Power Rating    : 3.85V@Battery
Test Engineer   : Kevin Liang
Test Mode       : LTE_Band7_15MBW_QPSK_Mid_1RB37
```

	Freq	Read Level	Ant Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBm	dB/m	dB	dBm/m	dBm/m	dB		
1	30.000000	-71.82	15.60	10.38	-45.84	-25.00	-20.84	Peak	Vertical
2	703.73140	-67.44	21.27	13.41	-32.76	-25.00	-7.76	Peak	Vertical
3	PP906.30410	-66.58	23.75	13.98	-28.85	-25.00	-3.85	Peak	Vertical