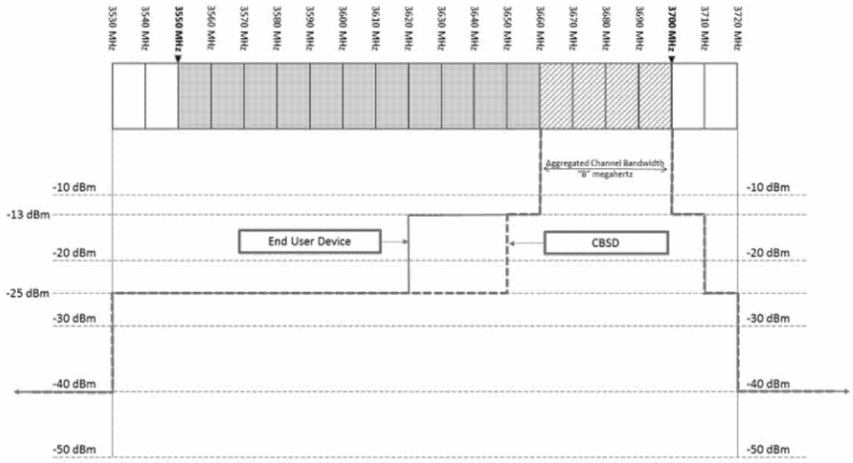
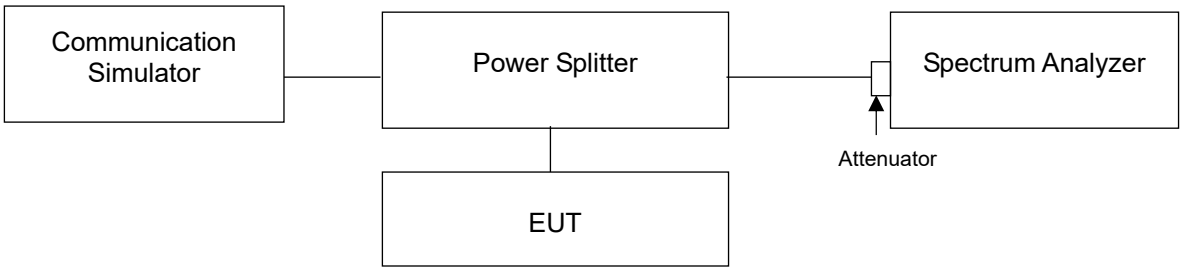
4.7 Conducted Spurious Emissions

4.7.1 Limits of Conducted Spurious Emissions Measurement

For CBSD power of any emissions outside the Fundamental	Limit
Within 0-10MHz above the Assigned Channel	-13 dBm/MHz
Within 0-10MHz below the Assigned Channel	
Greater than 10MHz above the Assigned Channel	-25 dBm/MHz
Greater than 10MHz below the Assigned Channel	
Power of any emission below 3530MHz	-40 dBm/MHz
Power of any emission above 3720MHz	



4.7.2 Test Setup



4.7.3 Test Instruments

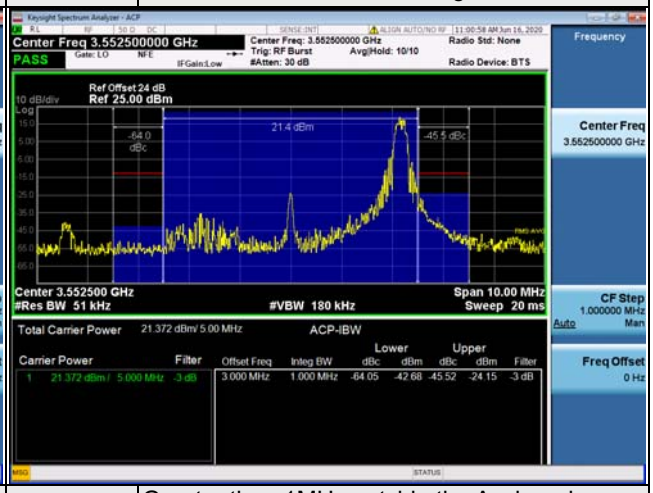
Refer to section 4.1.3 to get information of above instrument.

4.7.4 Test Procedure

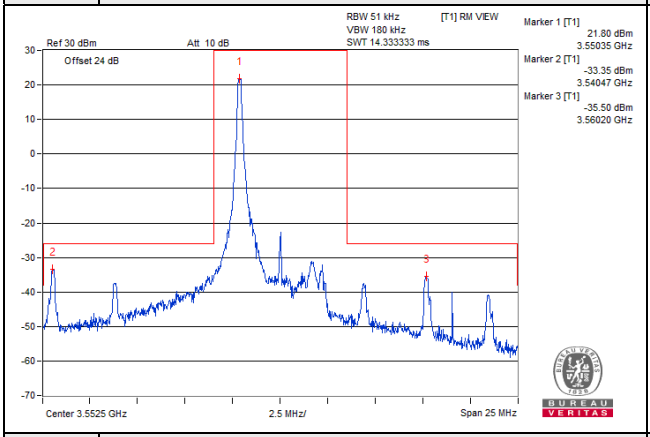
a. The EUT makes a phone call to the communication simulator.
b. Measuring frequency range is from 9 kHz to 37.5 GHz. 20dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.
c. Set RMS detection and a free-running sweep.

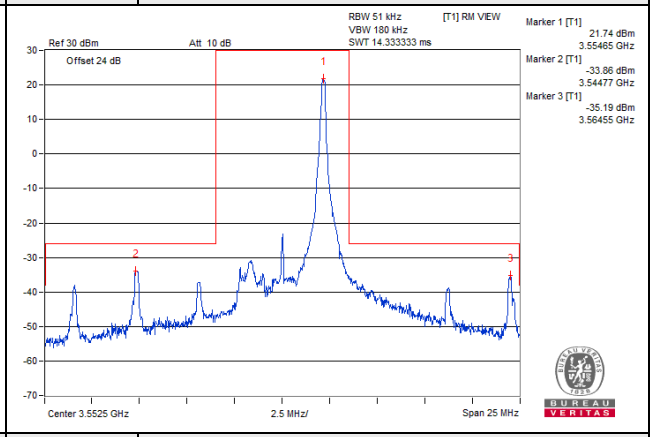
4.7.5 Test Results

LTE Band 48			
Channel Bandwidth 5MHz QPSK			
Low Channel 3552.5MHz			
1 RB-0	Within 1MHz outside the designated channel	1 RB-Max	Within 1MHz outside the designated channel

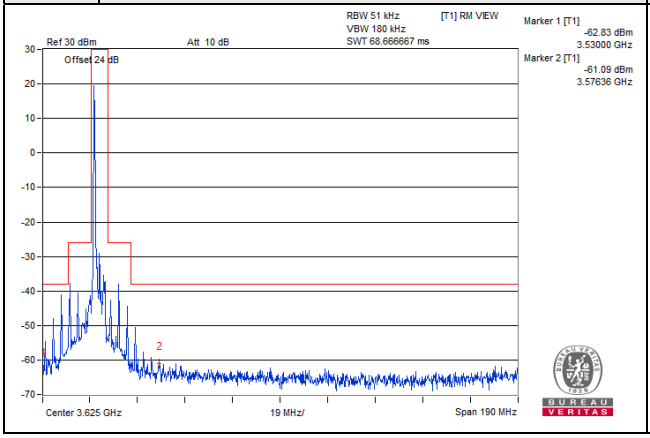


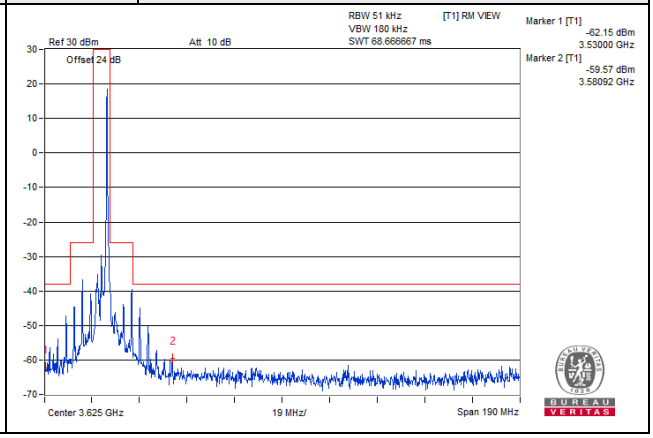
1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel



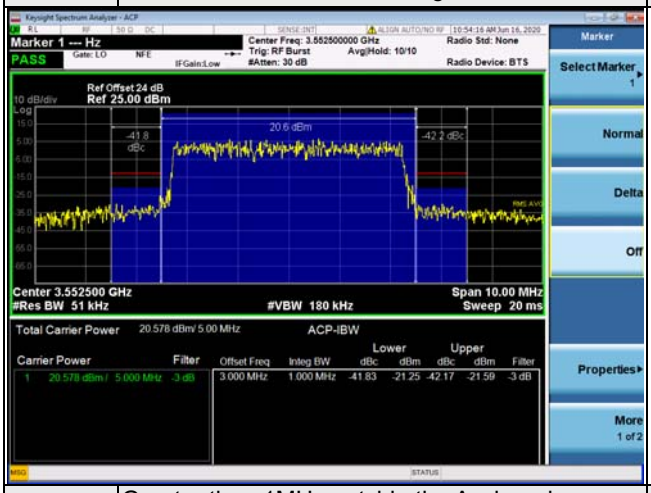
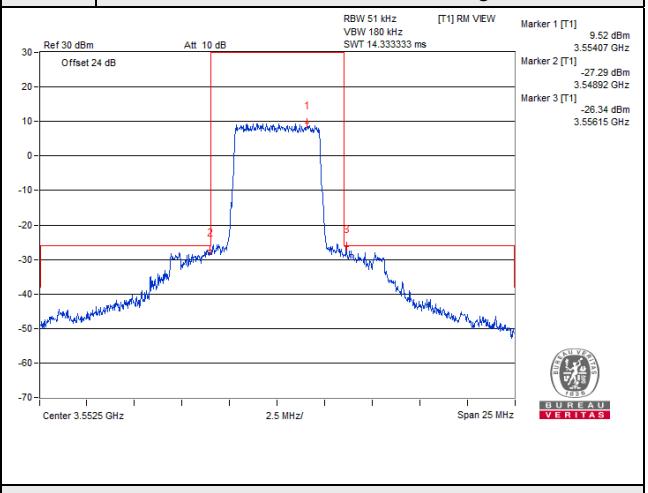
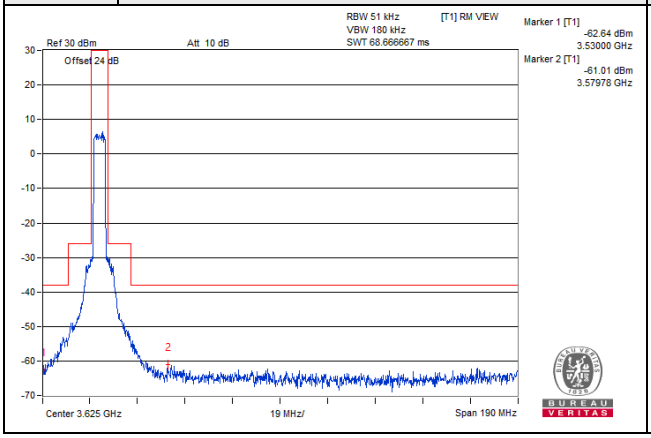


1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel

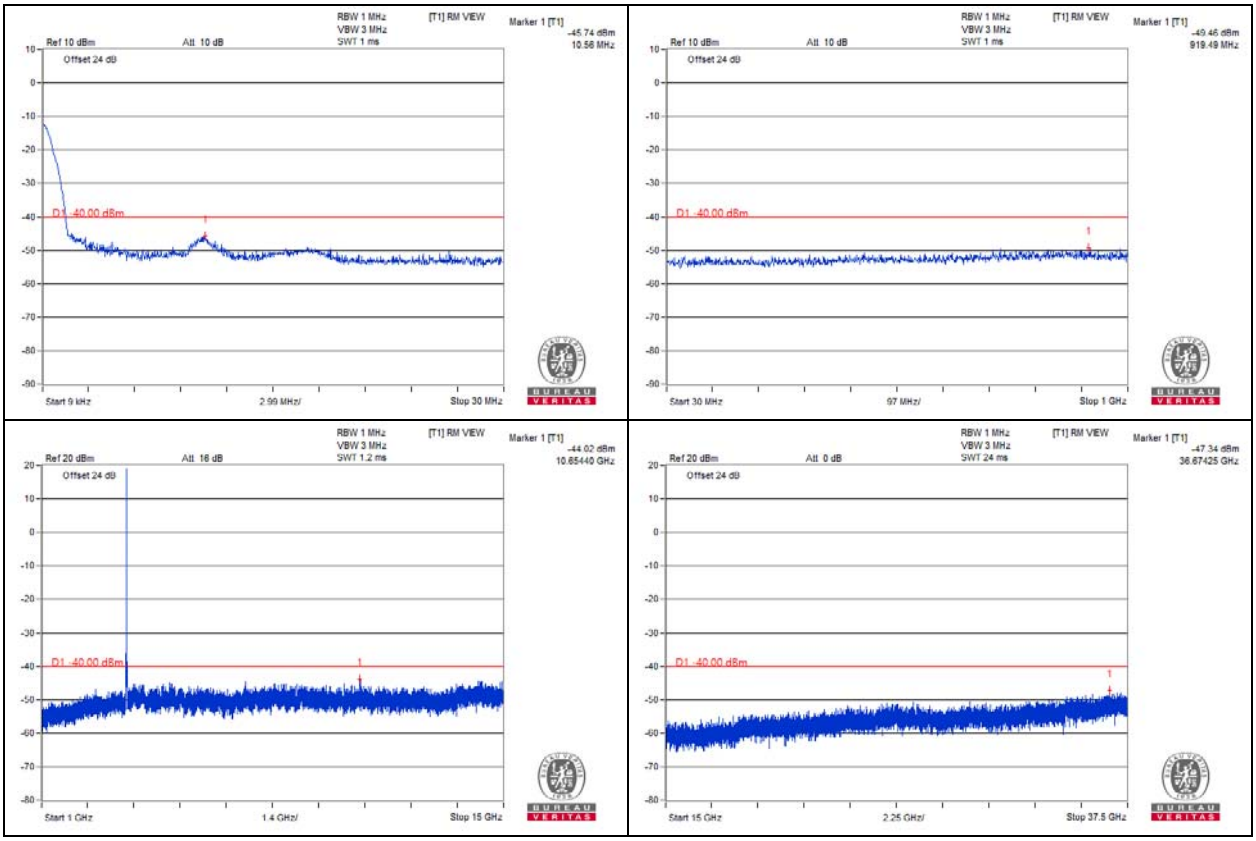




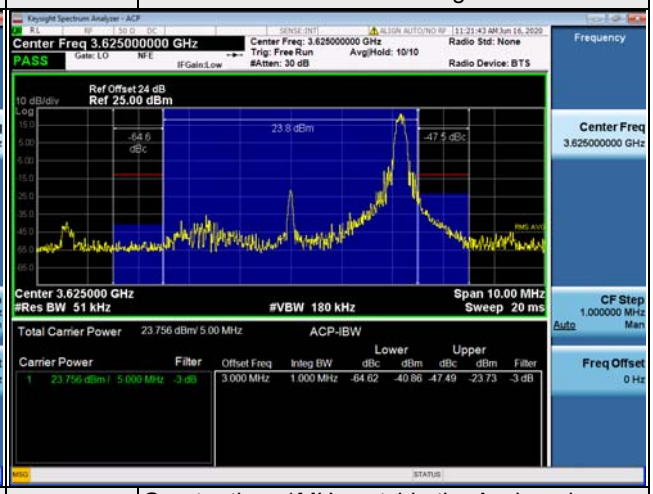
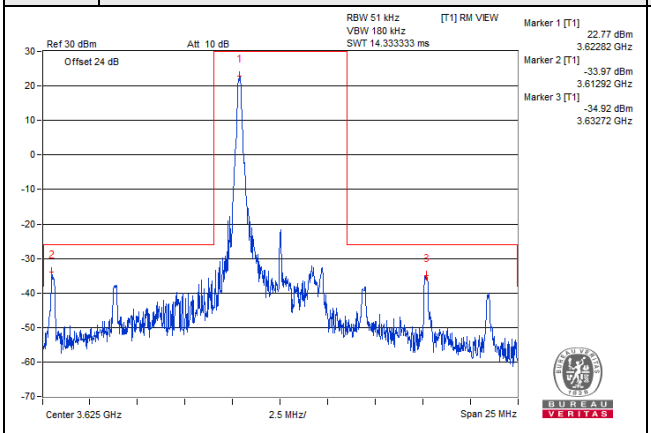
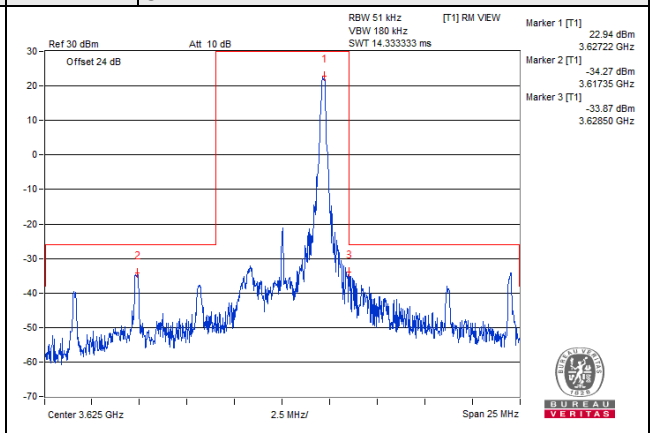
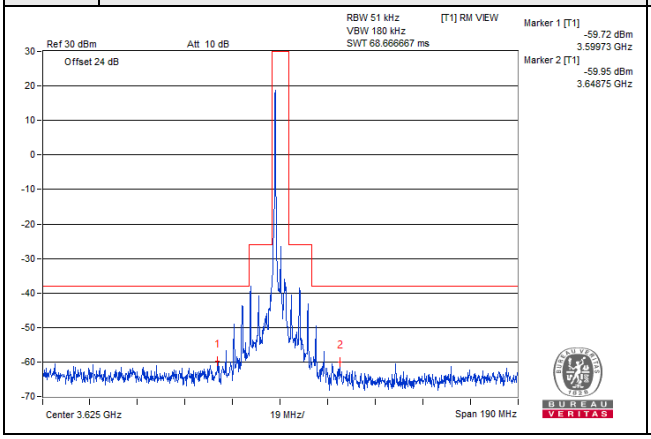
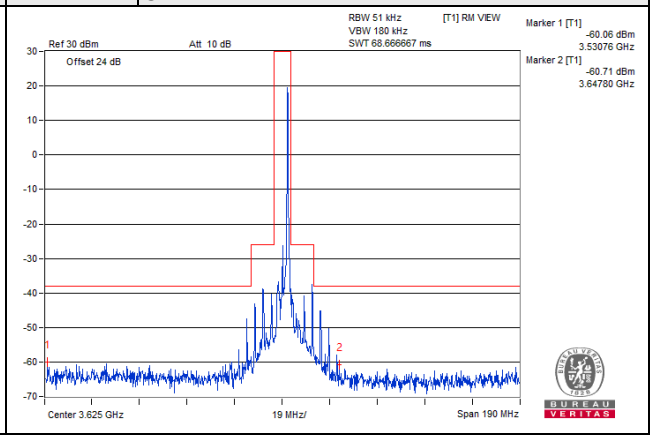
NOTE:
1MHz outside of designated channel needs to reduce the limit, When measured RBW less than 1MHz.
Within 1-10MHz above the Assigned channel Limit is -13+10*Log(51kHz/1MHz) = -25.92 dBm
Within 1-10MHz below the Assigned channel Limit is -13+10*Log(51kHz/1MHz) = -25.92 dBm
10MHz above the Assigned channel Limit is -25+10*Log(51kHz/1MHz) = -37.92 dBm
10MHz below the Assigned channel Limit is -25+10*Log(51kHz/1MHz) = -37.92 dBm

LTE Band 48			
Channel Bandwidth 5MHz QPSK			
Low Channel 3552.5MHz			
Full RB	Within 1MHz outside the designated channel	Full RB	Greater than 1MHz outside the Assigned Channel
		
Full RB	Greater than 1MHz outside the Assigned Channel		
			

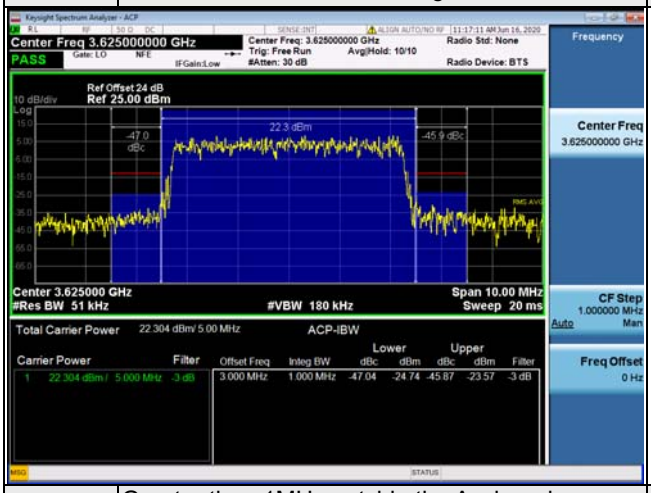
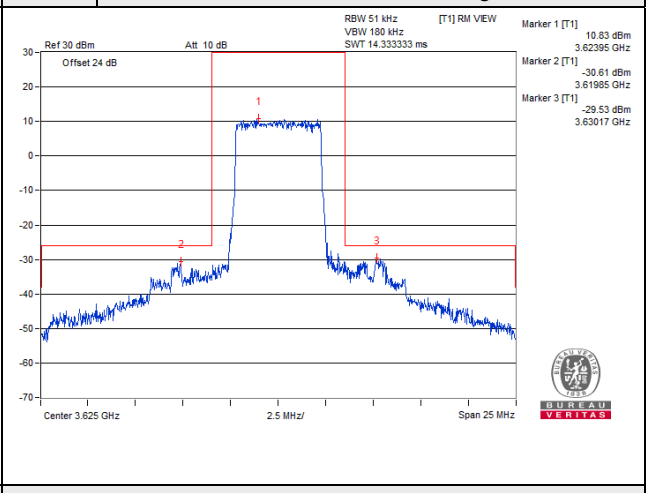
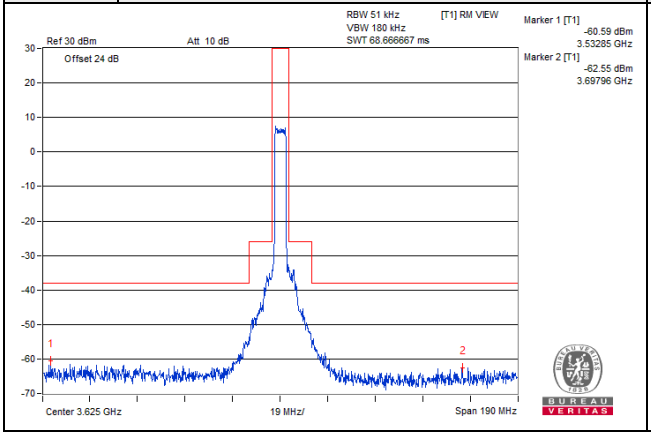
NOTE:
1MHz outside of designated channel needs to reduce the limit, When measured RBW less than 1MHz.
Within 1-10MHz above the Assigned channel Limit is -13+10*Log(51kHz/1MHz) = -25.92 dBm
Within 1-10MHz below the Assigned channel Limit is -13+10*Log(51kHz/1MHz) = -25.92 dBm
10MHz above the Assigned channel Limit is -25+10*Log(51kHz/1MHz) = -37.92 dBm
10MHz below the Assigned channel Limit is -25+10*Log(51kHz/1MHz) = -37.92 dBm



Note: The signal of 9kHz is IF signal from test instrument.

Channel Bandwidth 5MHz QPSK			
Middle Channel 3625MHz			
1 RB-0	Within 1MHz outside the designated channel	1 RB-Max	Within 1MHz outside the designated channel
			
1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel
			
1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel
			

NOTE:
1MHz outside of designated channel needs to reduce the limit, When measured RBW less than 1MHz.
Within 1-10MHz above the Assigned channel Limit is -13+10*Log(51kHz/1MHz) = -25.92 dBm
Within 1-10MHz below the Assigned channel Limit is -13+10*Log(51kHz/1MHz) = -25.92 dBm
10MHz above the Assigned channel Limit is -25+10*Log(51kHz/1MHz) = -37.92 dBm
10MHz below the Assigned channel Limit is -25+10*Log(51kHz/1MHz) = -37.92 dBm

LTE Band 48			
Middle Channel 3625MHz			
Low Channel 3625MHz			
Full RB	Within 1MHz outside the designated channel	Full RB	Greater than 1MHz outside the Assigned Channel
		
Full RB	Greater than 1MHz outside the Assigned Channel		
			

NOTE:
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Within 1-10MHz below the Assigned channel Limit is -13+10*Log(51kHz/1MHz) = -25.92 dBm
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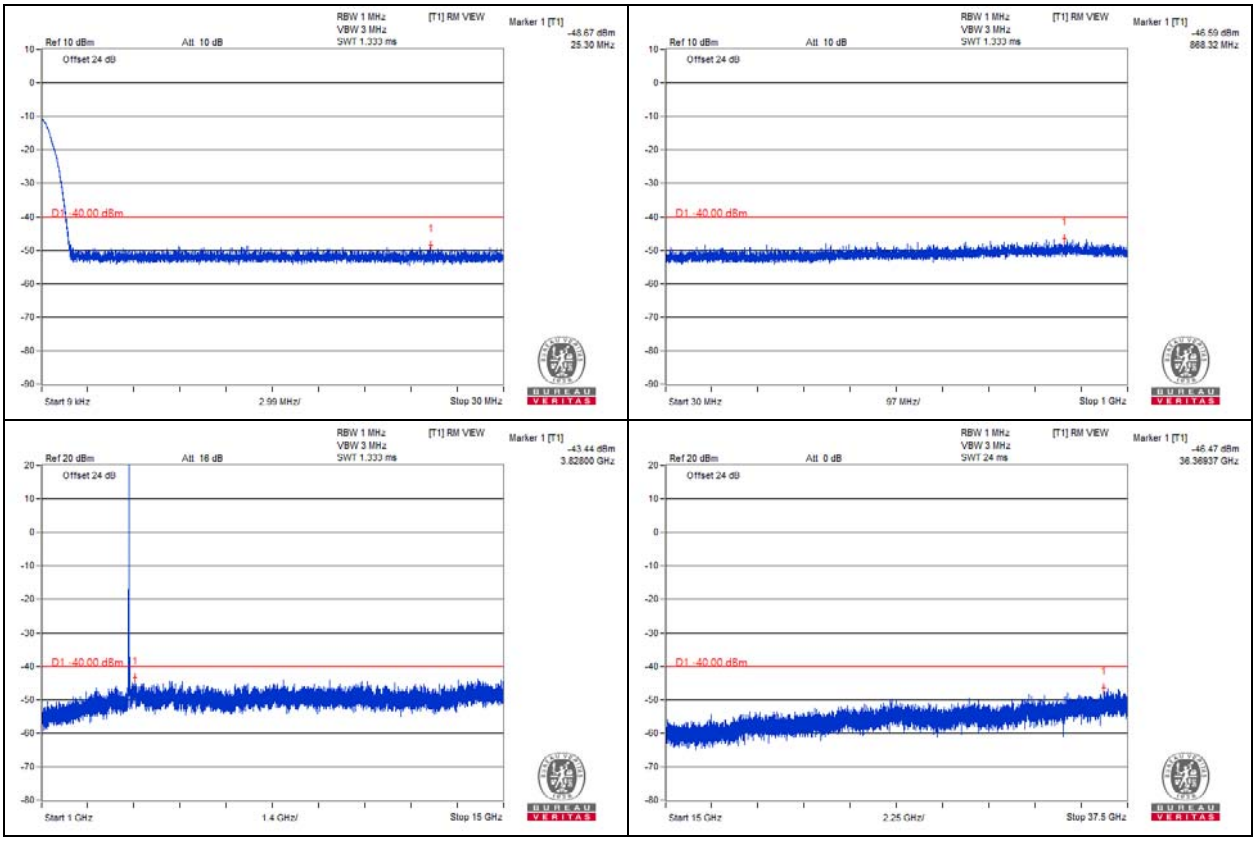
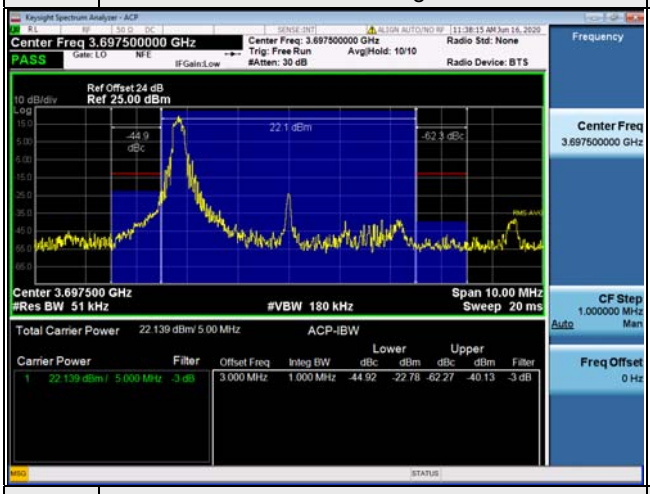
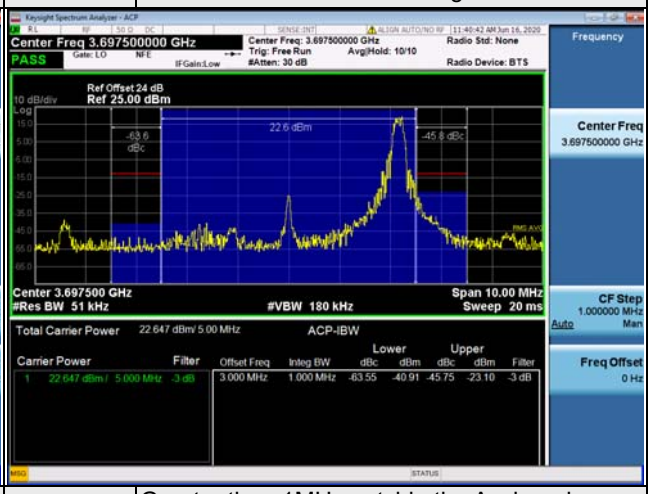
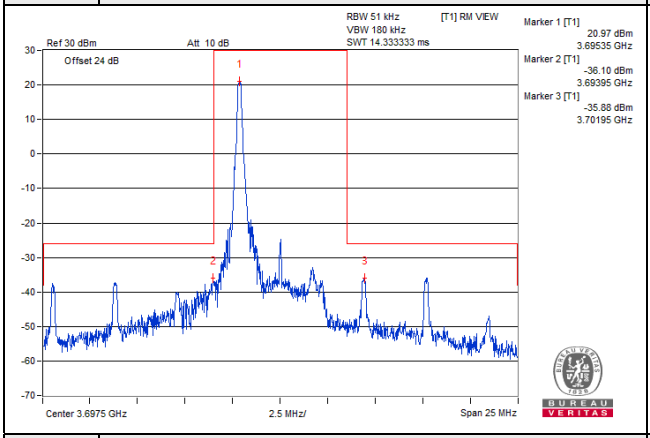
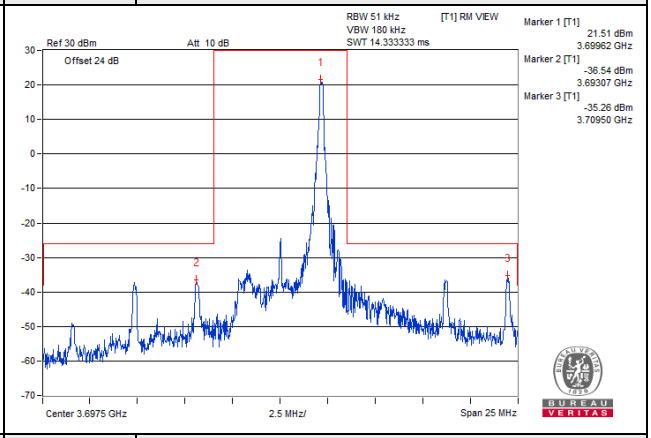
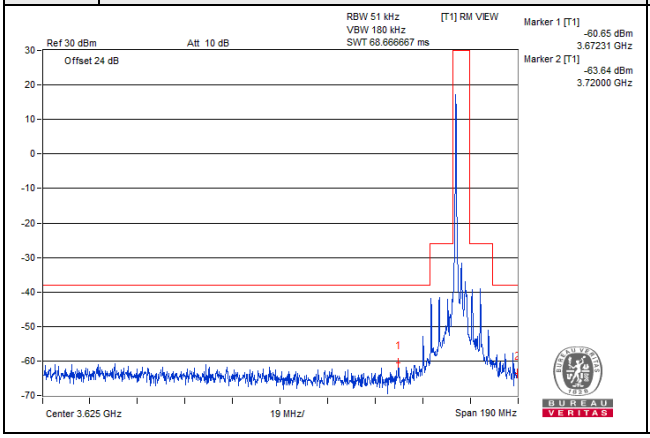
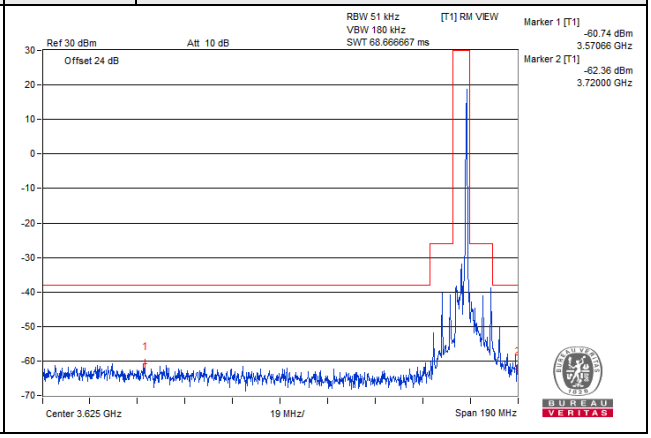


Note: The signal of 9kHz is IF signal from test instrument.

Channel Bandwidth 5MHz QPSK			
High Channel 3697.5MHz			
1 RB-0	Within 1MHz outside the designated channel	1 RB-Max	Within 1MHz outside the designated channel
			
1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel
			
1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel
			

NOTE:
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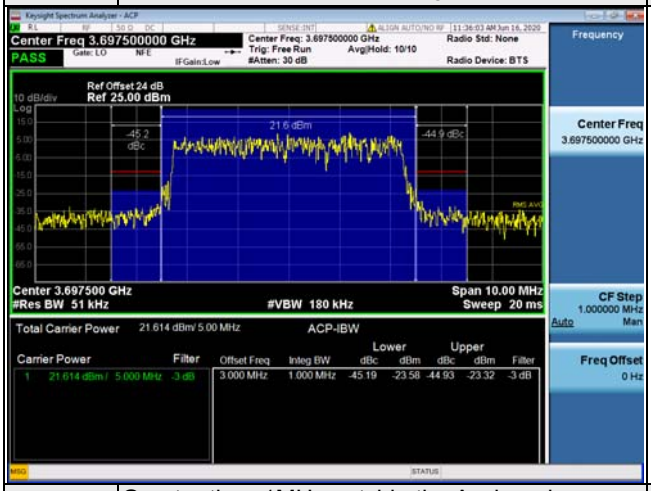
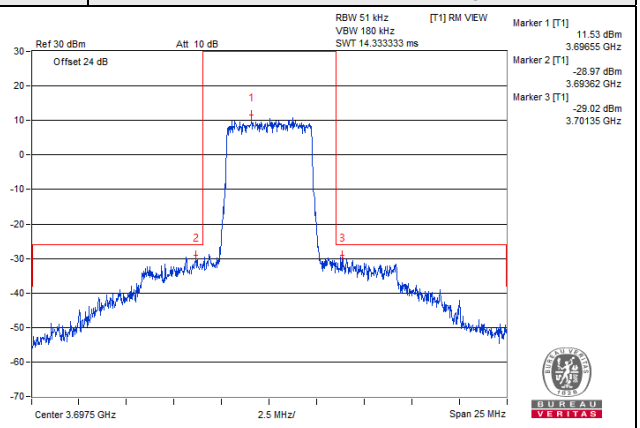
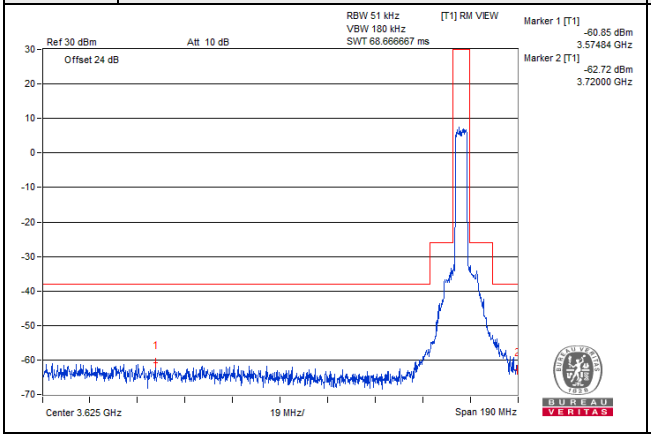
10MHz below the Assigned channel Limit is -25+10*Log(51kHz/1MHz) = -37.92 dBm

LTE Band 48			
High Channel 3697.5MHz			
Full RB	Within 1MHz outside the designated channel	Full RB	Greater than 1MHz outside the Assigned Channel
		
Full RB	Greater than 1MHz outside the Assigned Channel		
			

NOTE:
1MHz outside of designated channel needs to reduce the limit, When measured RBW less than 1MHz.
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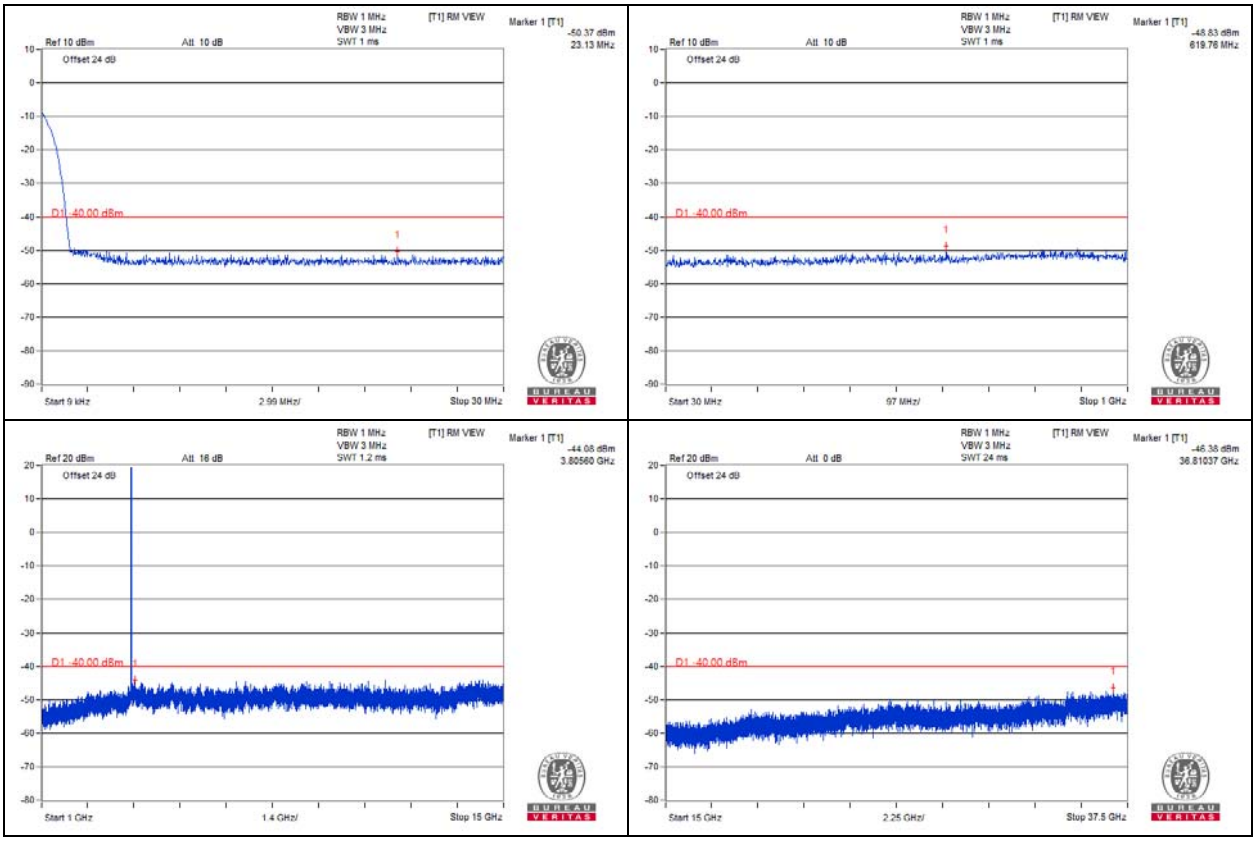
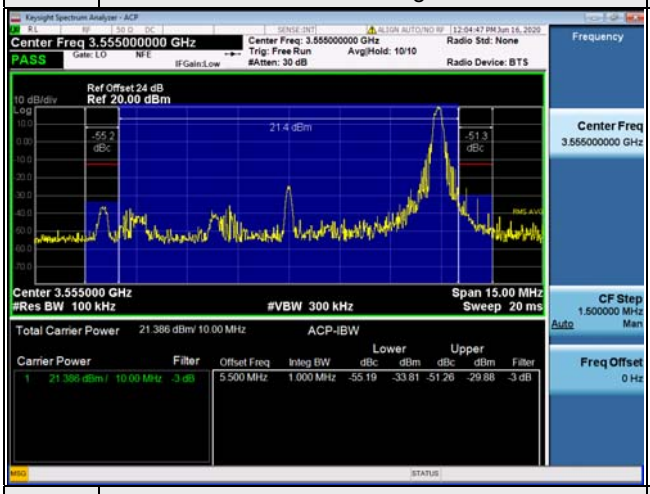
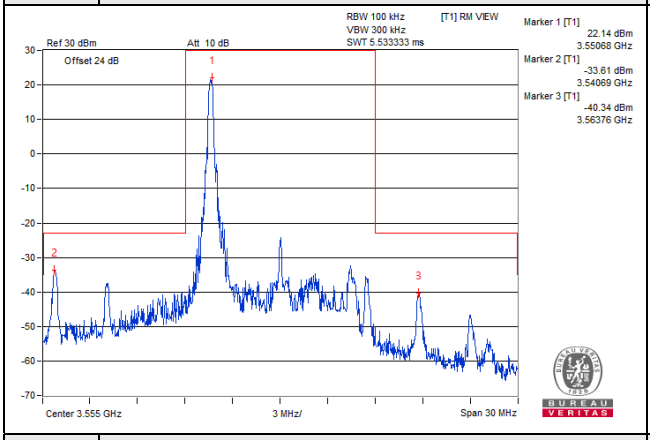
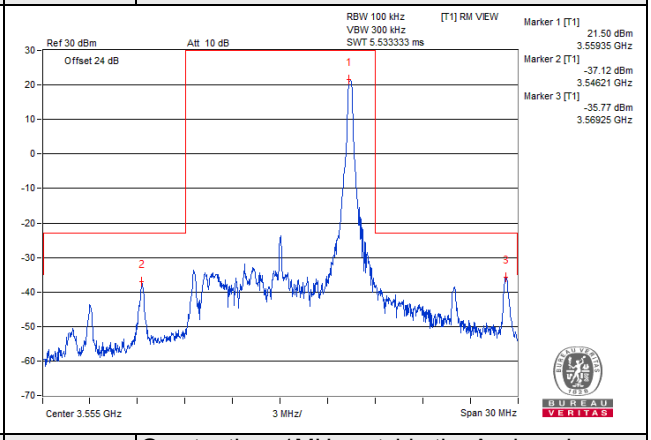
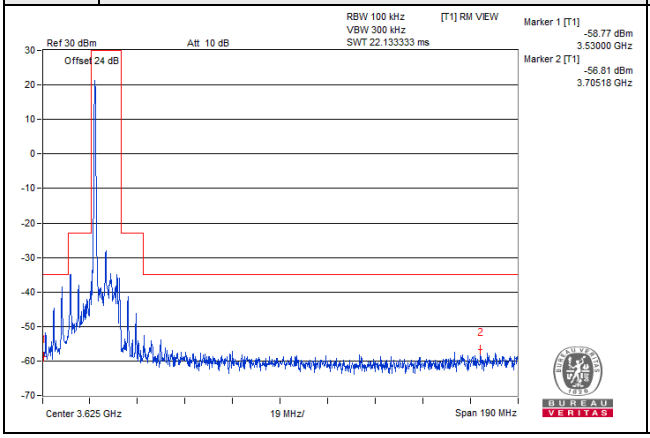
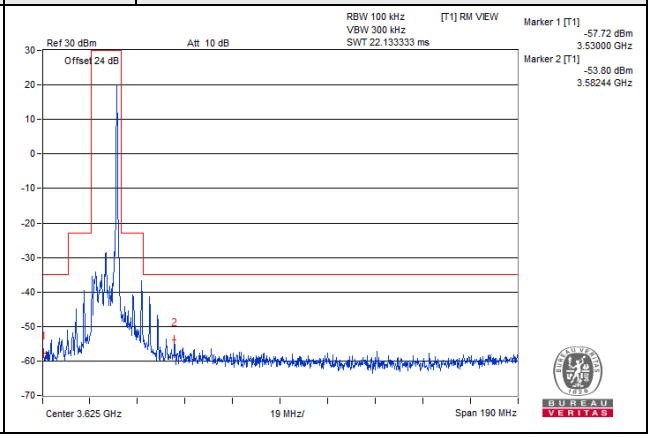
10MHz below the Assigned channel Limit is -25+10*Log(51kHz/1MHz) = -37.92 dBm



Note: The signal of 9kHz is IF signal from test instrument.

Channel Bandwidth 10MHz QPSK			
Low Channel 3555MHz			
1 RB-0	Within 1MHz outside the designated channel	1 RB-Max	Within 1MHz outside the designated channel
			
1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel
			
1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel
			

NOTE:
1MHz outside of designated channel needs to reduce the limit, When measured RBW less than 1MHz.
Within 1-10MHz above the Assigned channel Limit is -13+10*Log(100kHz/1MHz) = -23 dBm
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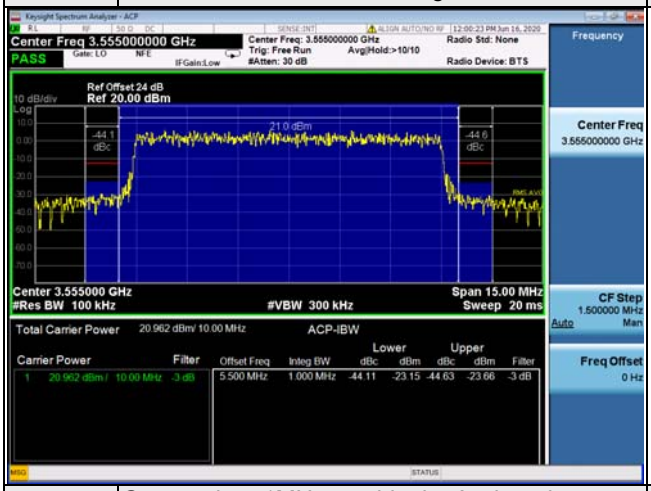
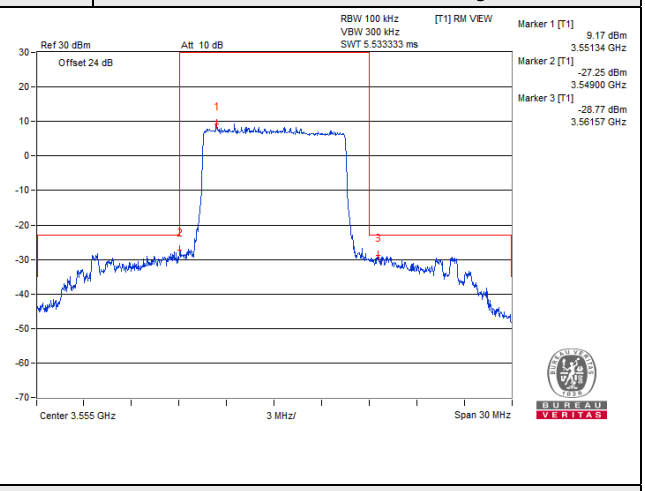
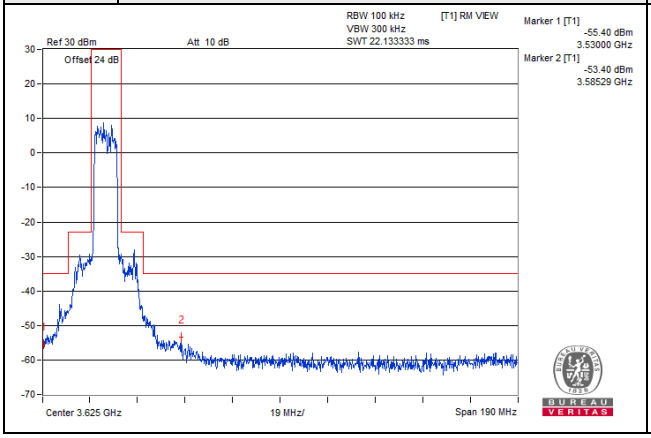
10MHz below the Assigned channel Limit is -25+10*Log(100kHz/1MHz) = -35 dBm

Channel Bandwidth 10MHz QPSK			
Low Channel 3555MHz			
Full RB	Within 1MHz outside the designated channel	Full RB	Greater than 1MHz outside the Assigned Channel
		
Full RB	Greater than 1MHz outside the Assigned Channel		
			

NOTE:
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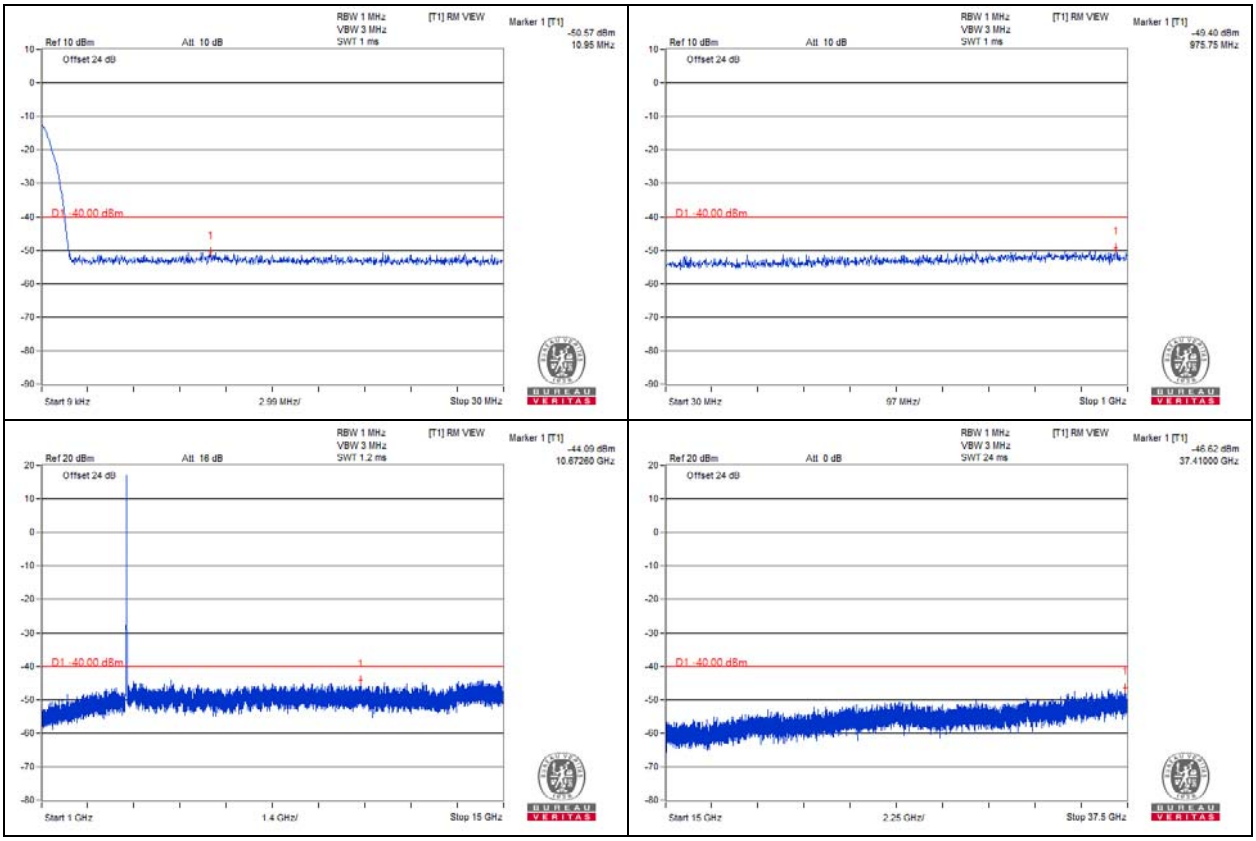
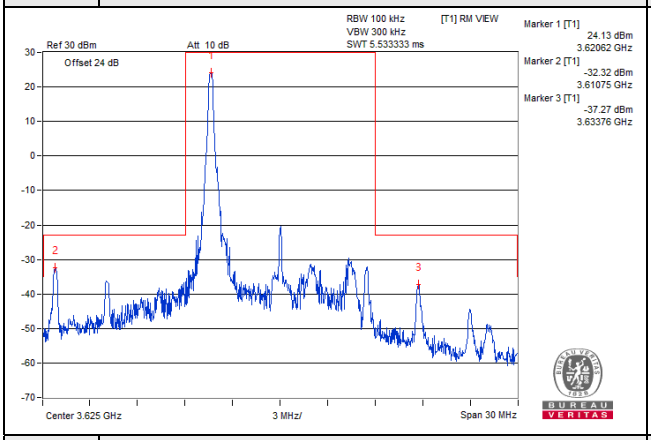
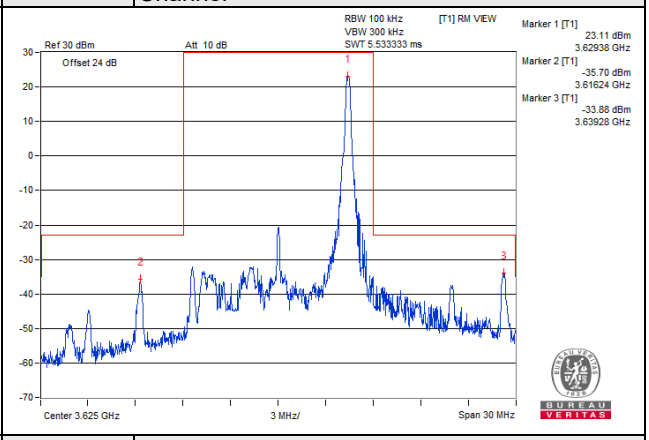


Note: The signal of 9kHz is IF signal from test instrument.

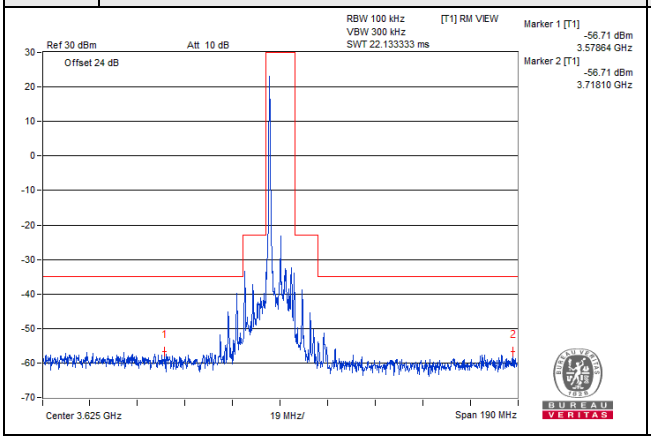
Channel Bandwidth 10MHz QPSK			
Middle Channel 3625MHz			
1 RB-0	Within 1MHz outside the designated channel	1 RB-Max	Within 1MHz outside the designated channel

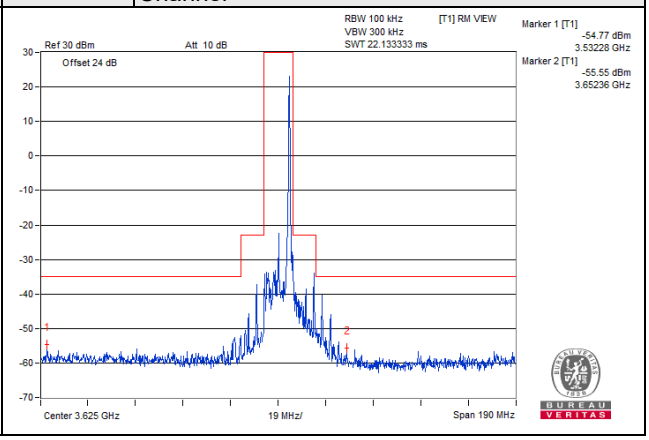
1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel



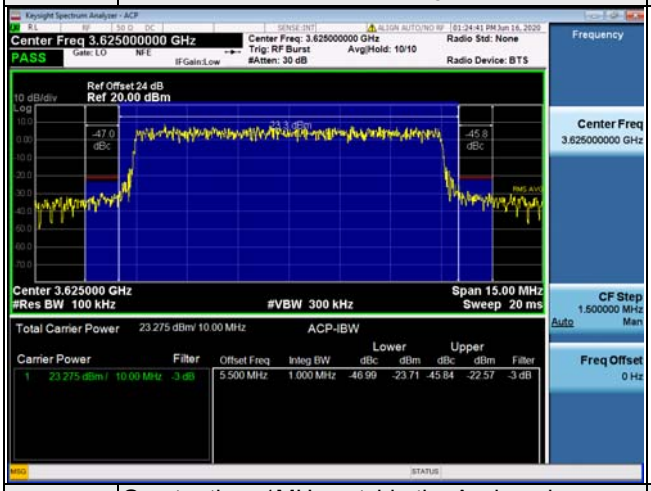
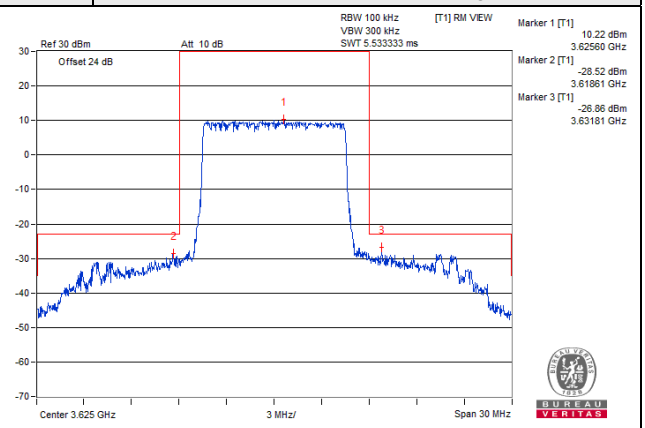
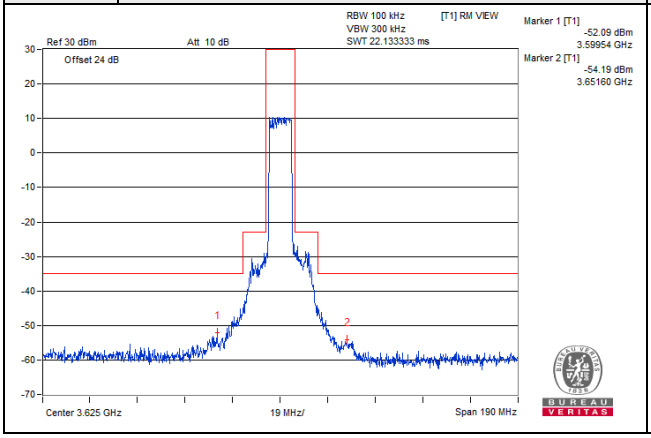


1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel

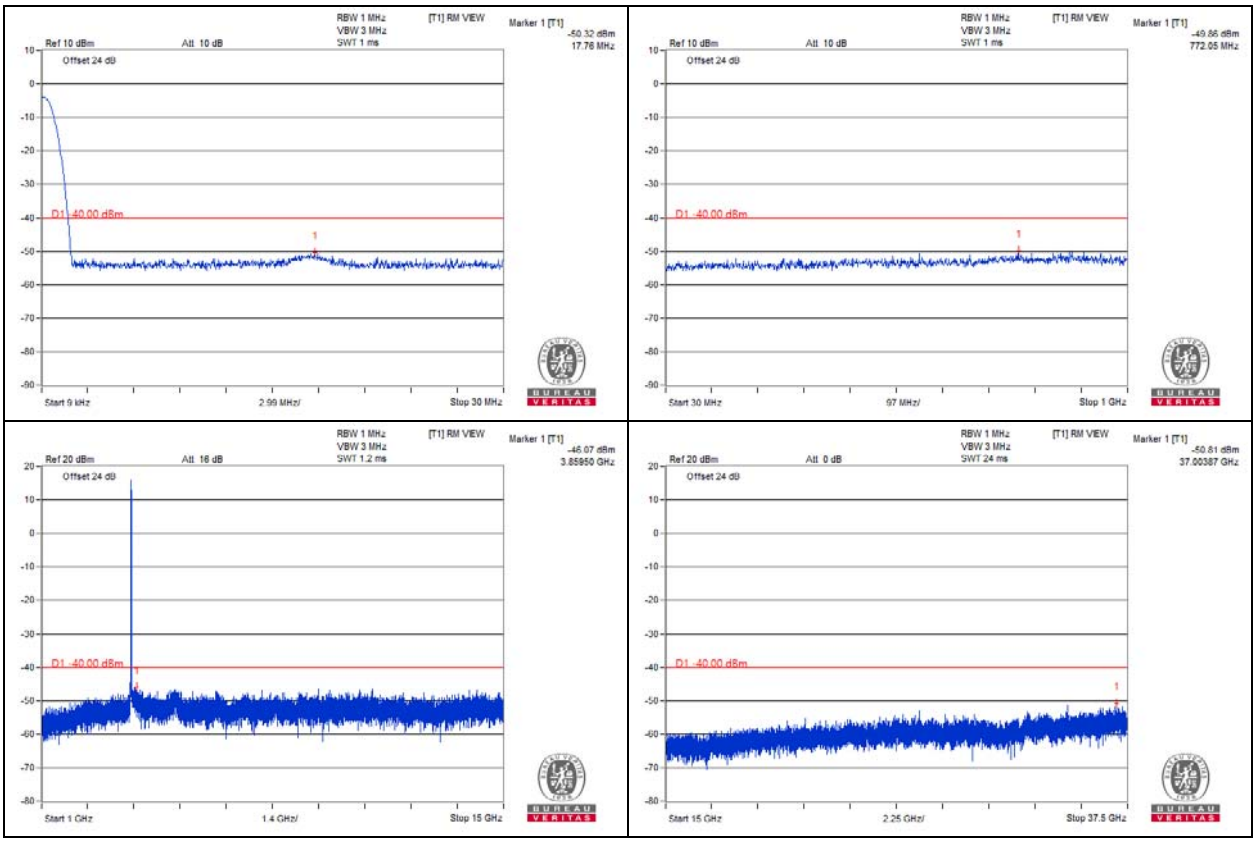




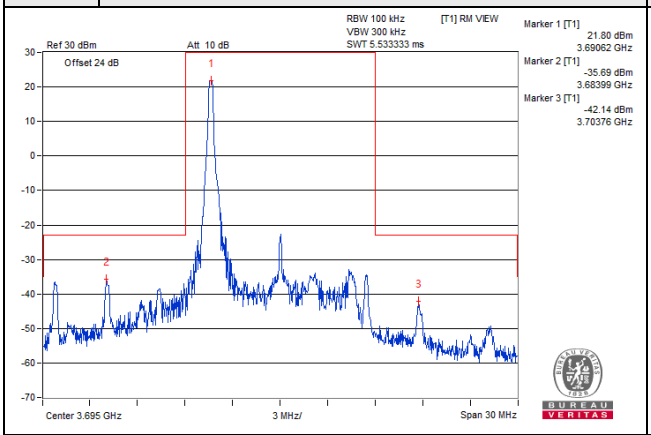
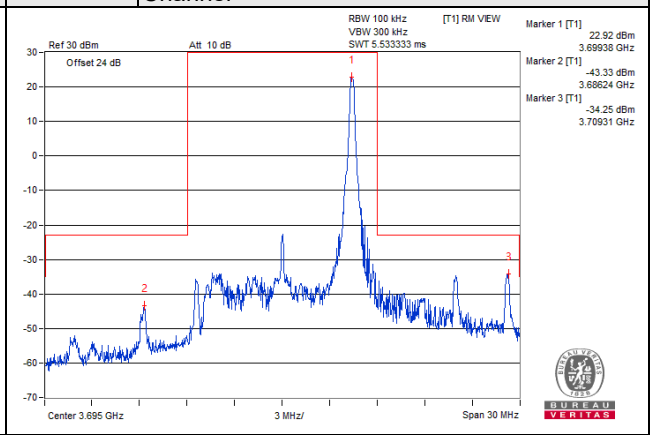
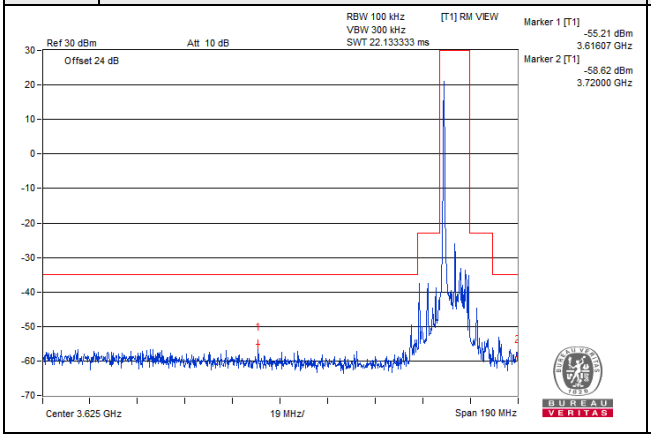
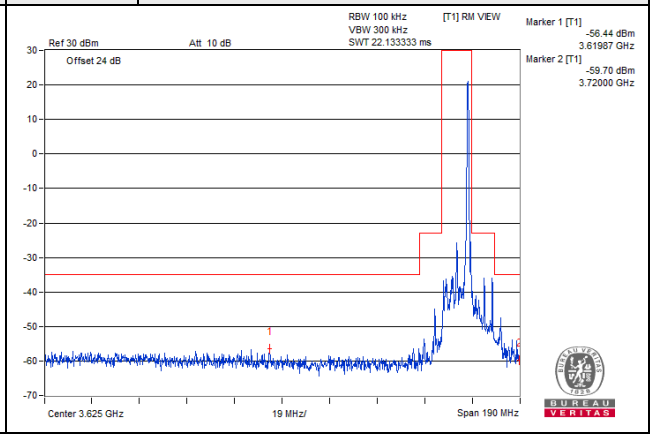
NOTE:
1MHz outside of designated channel needs to reduce the limit, When measured RBW less than 1MHz.
Within 1-10MHz above the Assigned channel Limit is -13+10*Log(100kHz/1MHz) = -23 dBm
Within 1-10MHz below the Assigned channel Limit is -13+10*Log(100kHz/1MHz) = -23 dBm
10MHz above the Assigned channel Limit is -25+10*Log(100kHz/1MHz) = -35 dBm
10MHz below the Assigned channel Limit is -25+10*Log(100kHz/1MHz) = -35 dBm

Channel Bandwidth 10MHz QPSK			
Middle Channel 3625MHz			
Full RB	Within 1MHz outside the designated channel	Full RB	Greater than 1MHz outside the Assigned Channel
		
Full RB	Greater than 1MHz outside the Assigned Channel		
			

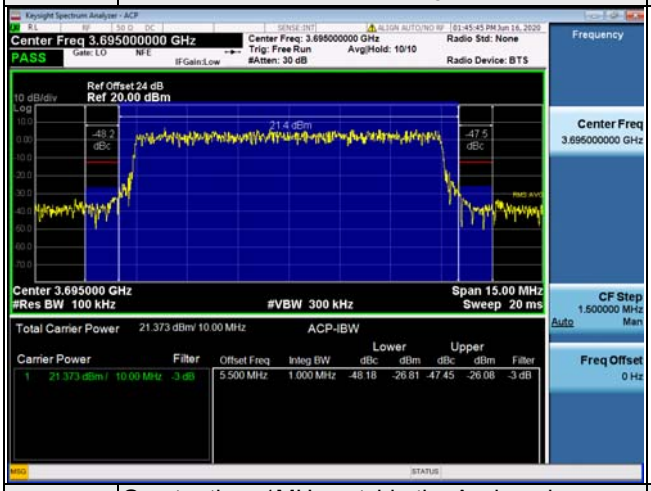
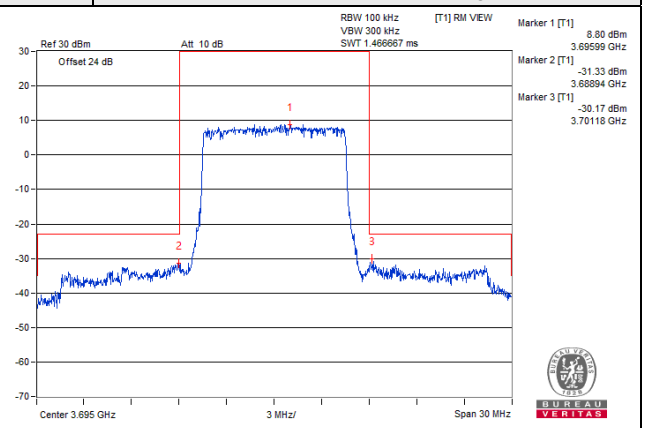
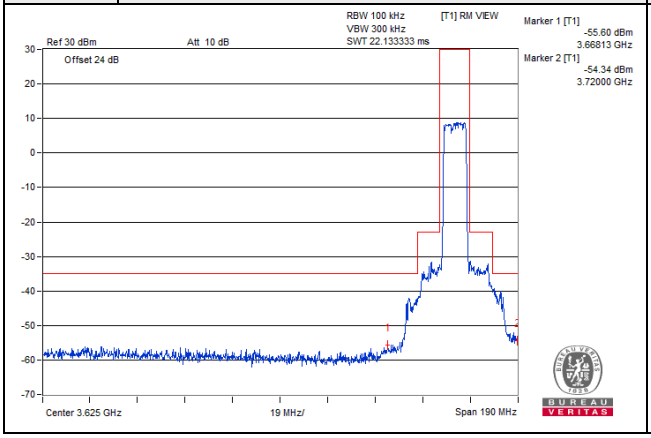
NOTE:
1MHz outside of designated channel needs to reduce the limit, When measured RBW less than 1MHz.
Within 1-10MHz above the Assigned channel Limit is -13+10*Log(100kHz/1MHz) = -23 dBm
Within 1-10MHz below the Assigned channel Limit is -13+10*Log(100kHz/1MHz) = -23 dBm
10MHz above the Assigned channel Limit is -25+10*Log(100kHz/1MHz) = -35 dBm
10MHz below the Assigned channel Limit is -25+10*Log(100kHz/1MHz) = -35 dBm



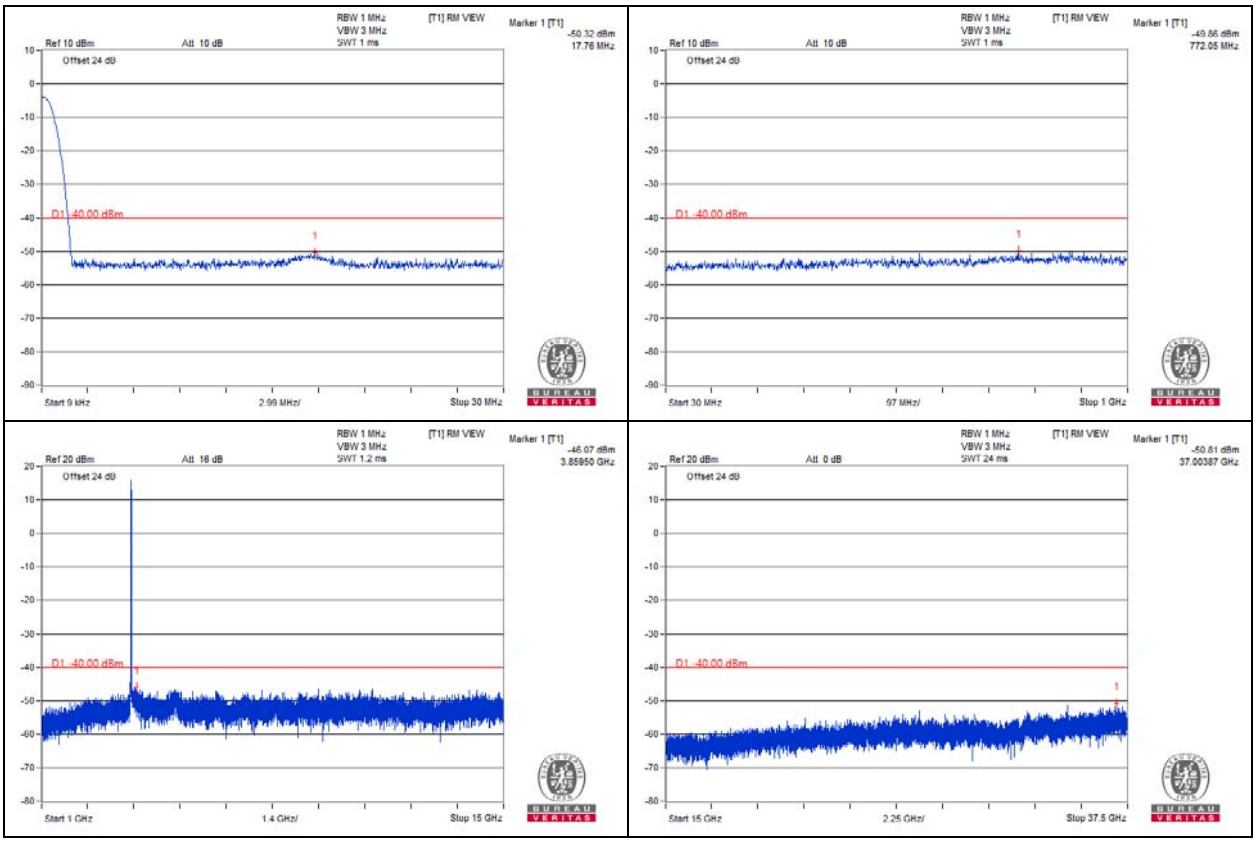
Note: The signal of 9kHz is IF signal from test instrument.

Channel Bandwidth 10MHz QPSK			
High Channel 3695MHz			
1 RB-0	Within 1MHz outside the designated channel	1 RB-Max	Within 1MHz outside the designated channel
1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel
			
1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel
			

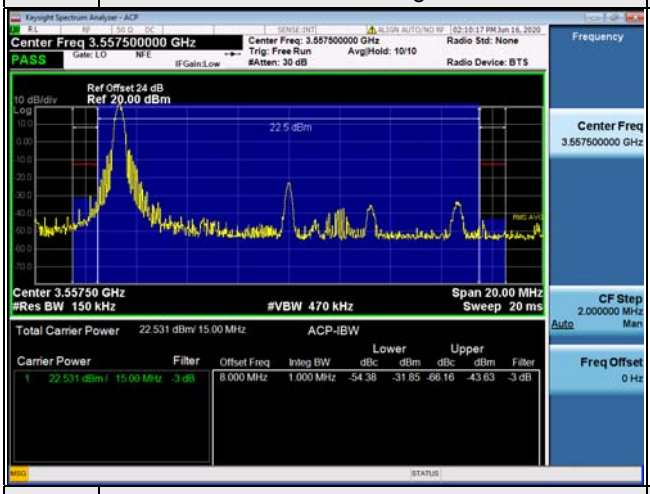
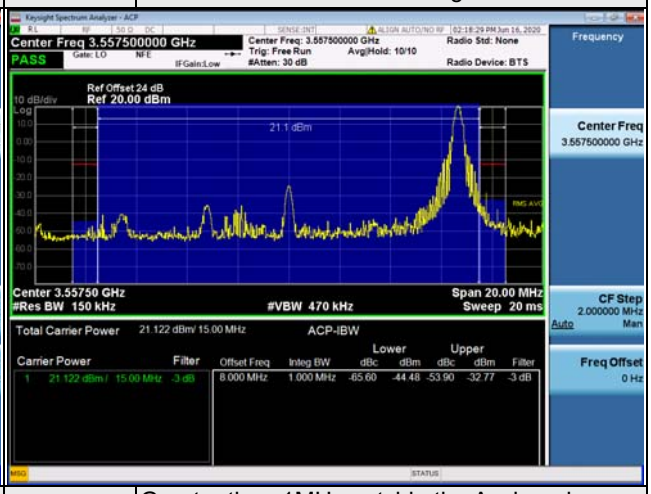
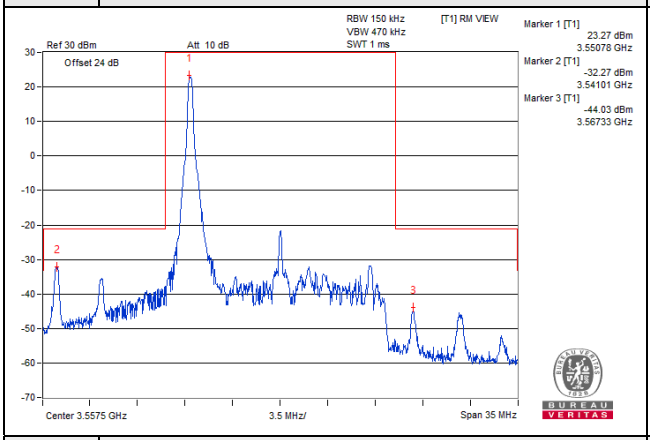
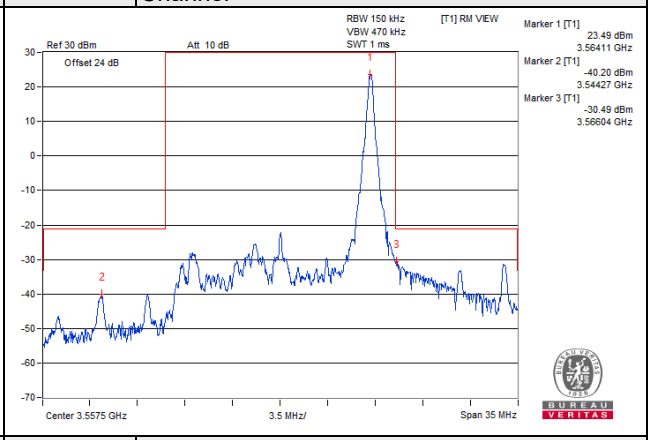
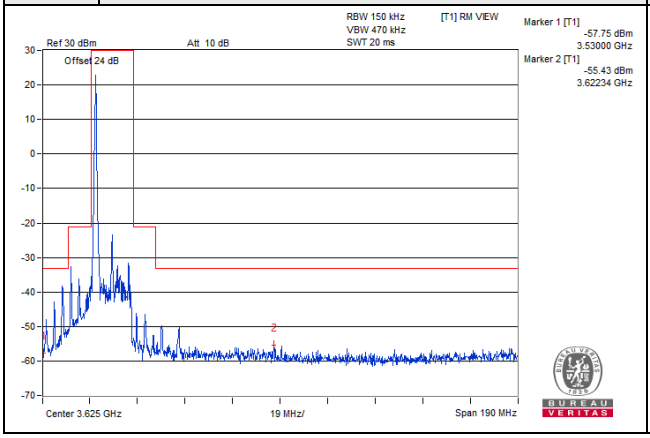
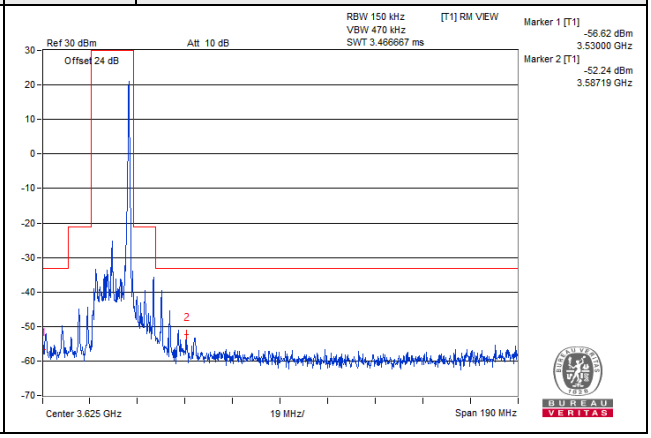
NOTE:
1MHz outside of designated channel needs to reduce the limit, When measured RBW less than 1MHz.
Within 1-10MHz above the Assigned channel Limit is -13+10*Log(100kHz/1MHz) = -23 dBm
Within 1-10MHz below the Assigned channel Limit is -13+10*Log(100kHz/1MHz) = -23 dBm
10MHz above the Assigned channel Limit is -25+10*Log(100kHz/1MHz) = -35 dBm
10MHz below the Assigned channel Limit is -25+10*Log(100kHz/1MHz) = -35 dBm

Channel Bandwidth 10MHz QPSK			
High Channel 3695MHz			
Full RB	Within 1MHz outside the designated channel	Full RB	Greater than 1MHz outside the Assigned Channel
		
Full RB	Greater than 1MHz outside the Assigned Channel		
			

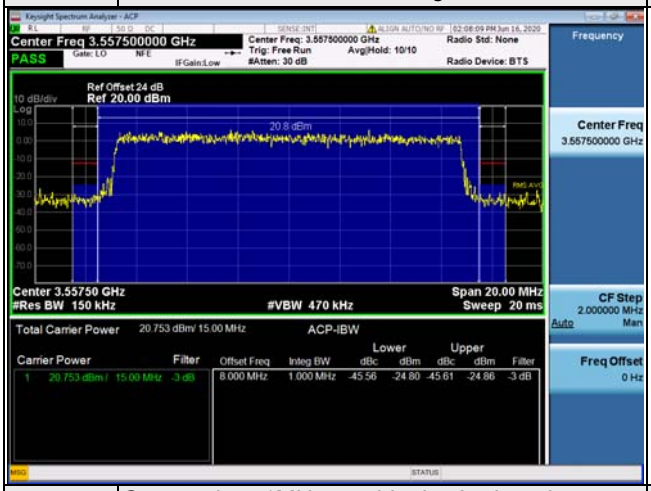
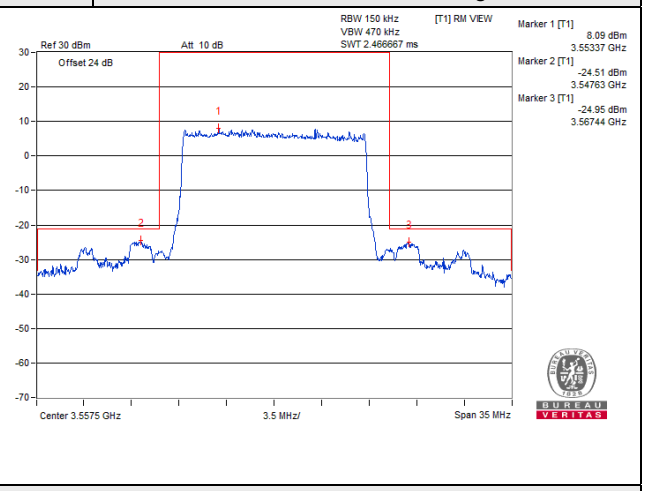
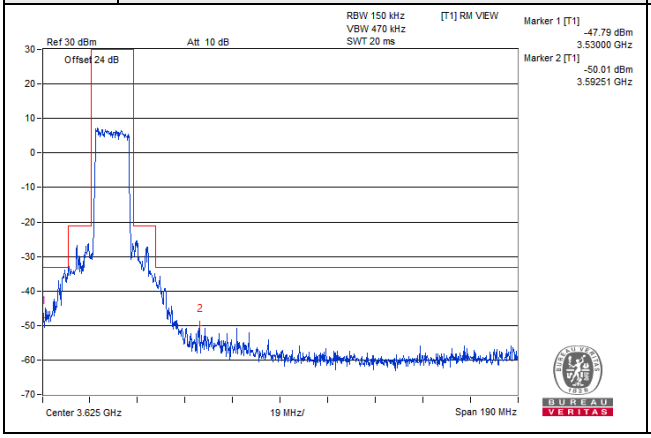
NOTE:
1MHz outside of designated channel needs to reduce the limit, When measured RBW less than 1MHz.
Within 1-10MHz above the Assigned channel Limit is -13+10*Log(100kHz/1MHz) = -23 dBm
Within 1-10MHz below the Assigned channel Limit is -13+10*Log(100kHz/1MHz) = -23 dBm
10MHz above the Assigned channel Limit is -25+10*Log(100kHz/1MHz) = -35 dBm
10MHz below the Assigned channel Limit is -25+10*Log(100kHz/1MHz) = -35 dBm



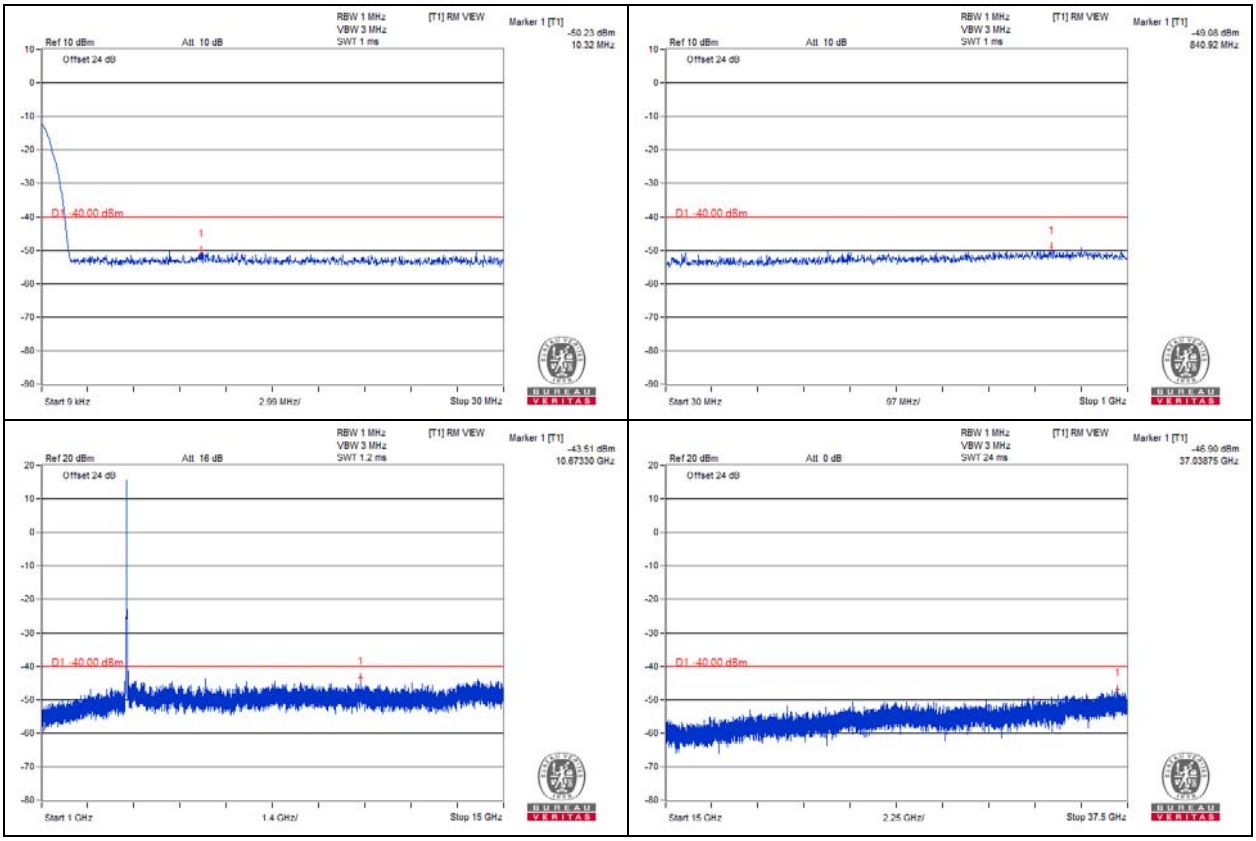
Note: The signal of 9kHz is IF signal from test instrument.

Channel Bandwidth 15MHz QPSK			
Low Channel 3557.5MHz			
1 RB-0	Within 1MHz outside the designated channel	1 RB-Max	Within 1MHz outside the designated channel
			
1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel
			
1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel
			

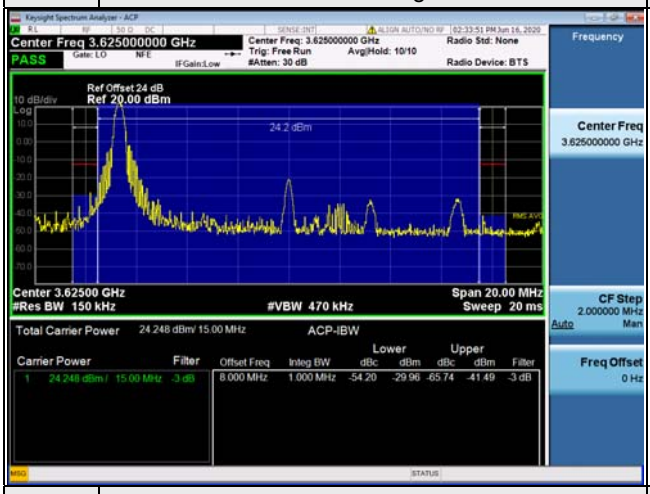
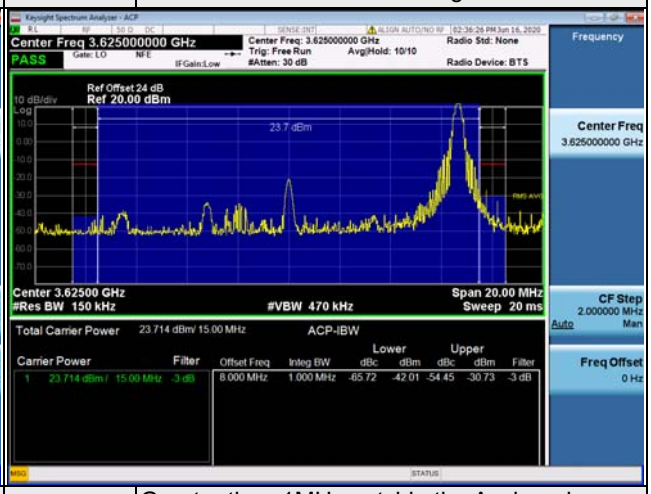
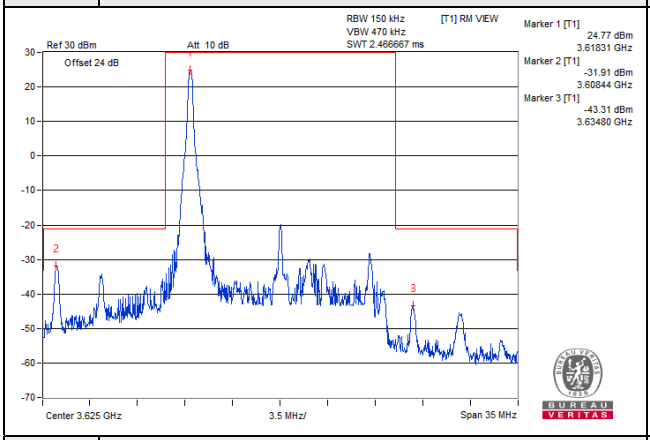
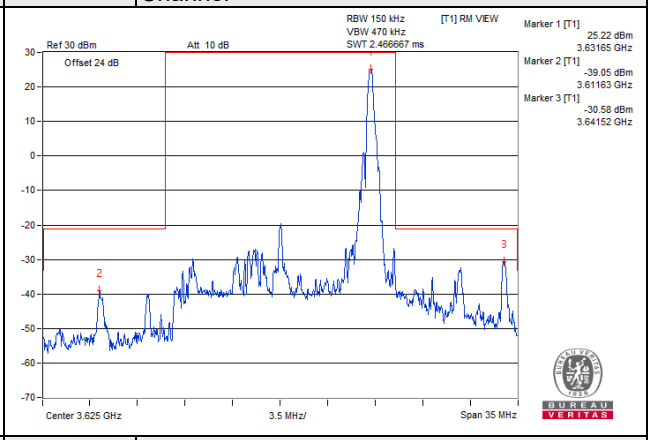
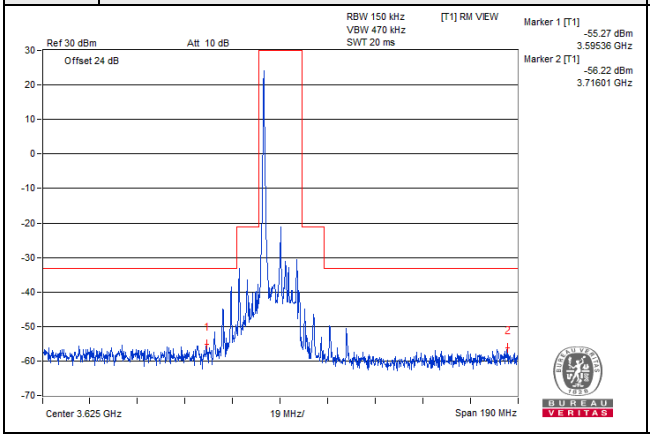
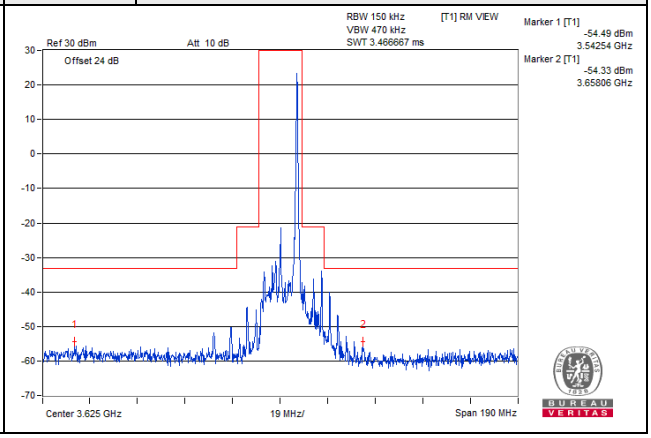
NOTE:
1MHz outside of designated channel needs to reduce the limit, When measured RBW less than 1MHz.
Within 1-10MHz above the Assigned channel Limit is -13+10*Log(150kHz/1MHz) = -21.24 dBm
Within 1-10MHz below the Assigned channel Limit is -13+10*Log(150kHz/1MHz) = -21.24dBm
10MHz above the Assigned channel Limit is -25+10*Log(150kHz/1MHz) = -33.24 dBm
10MHz below the Assigned channel Limit is -25+10*Log(150kHz/1MHz) = -33.24 dBm

Channel Bandwidth 15MHz QPSK			
Low Channel 3557.5MHz			
Full RB	Within 1MHz outside the designated channel	Full RB	Greater than 1MHz outside the Assigned Channel
		
Full RB	Greater than 1MHz outside the Assigned Channel		
			

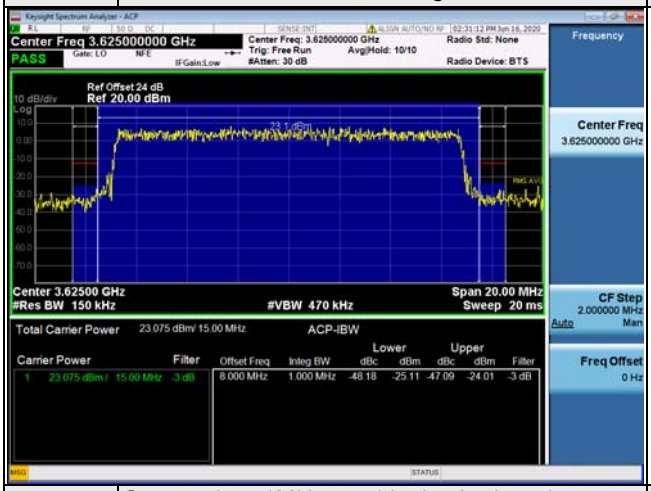
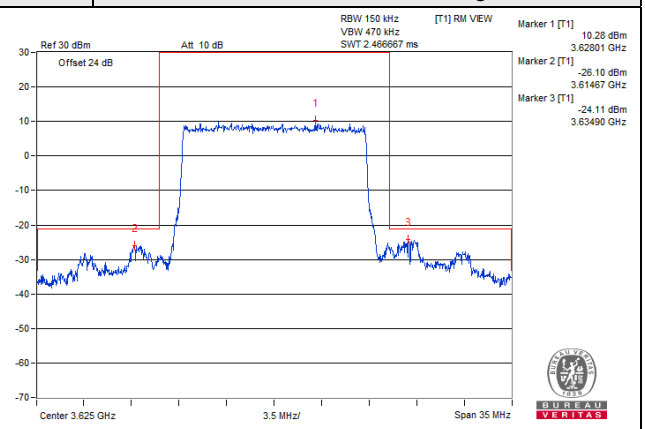
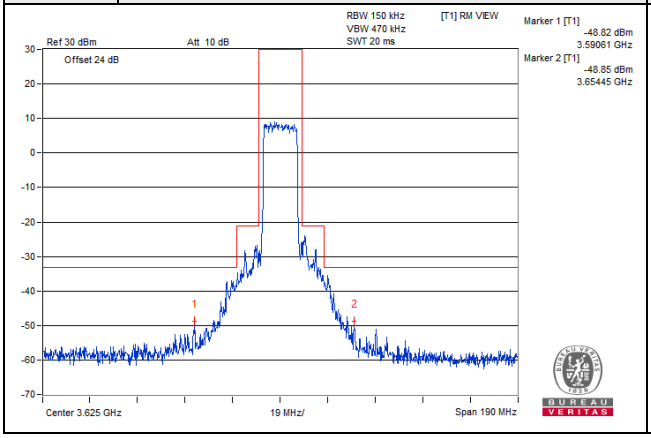
NOTE:
1MHz outside of designated channel needs to reduce the limit, When measured RBW less than 1MHz.
Within 1-10MHz above the Assigned channel Limit is -13+10*Log(150kHz/1MHz) = -21.24 dBm
Within 1-10MHz below the Assigned channel Limit is -13+10*Log(150kHz/1MHz) = -21.24dBm
10MHz above the Assigned channel Limit is -25+10*Log(150kHz/1MHz) = -33.24 dBm
10MHz below the Assigned channel Limit is -25+10*Log(150kHz/1MHz) = -33.24 dBm



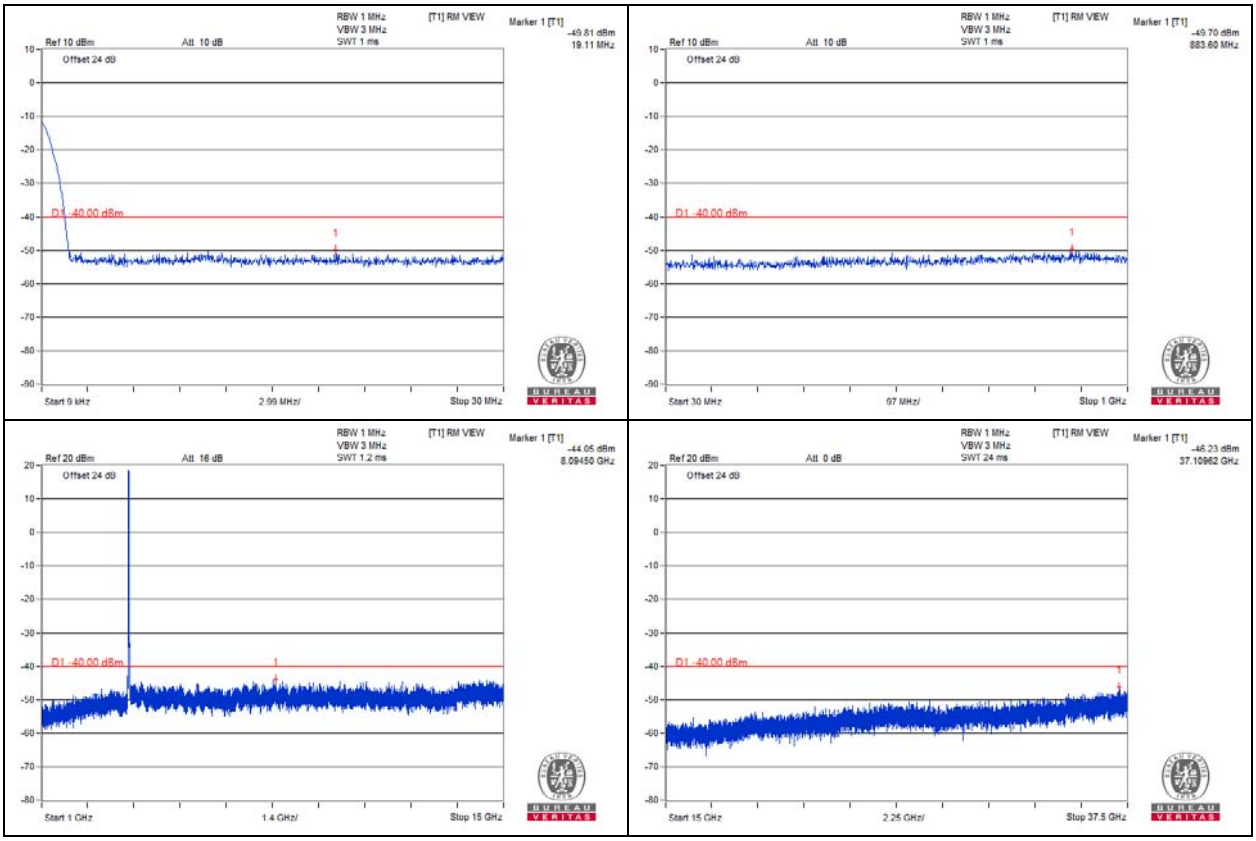
Note: The signal of 9kHz is IF signal from test instrument.

Channel Bandwidth 15MHz QPSK			
Middle Channel 3625MHz			
1 RB-0	Within 1MHz outside the designated channel	1 RB-Max	Within 1MHz outside the designated channel
				
1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel
				
1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel
				

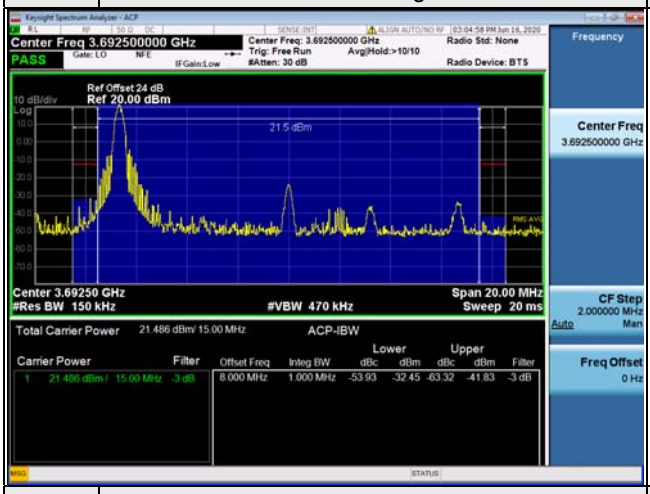
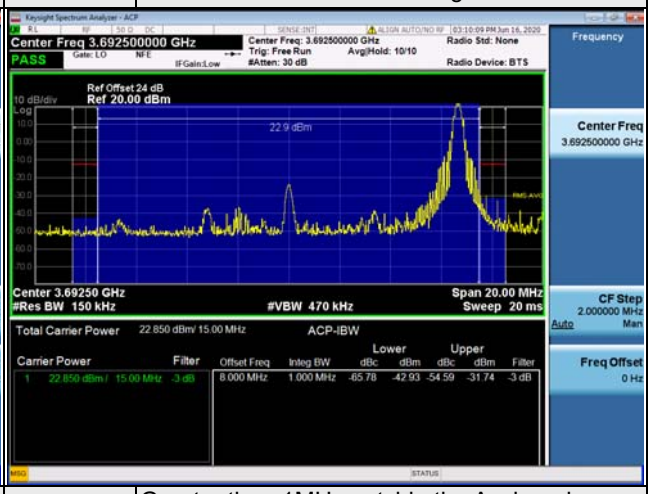
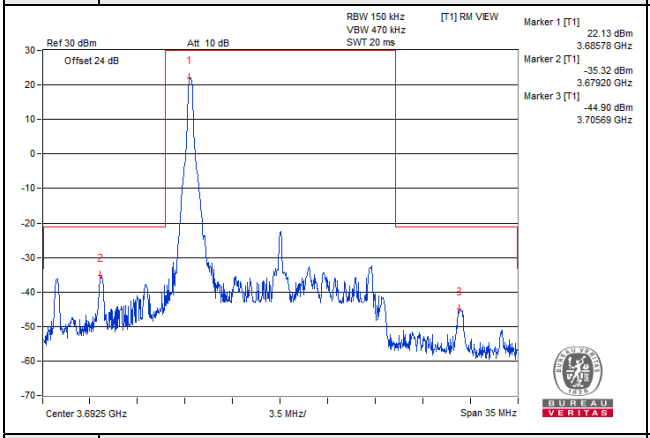
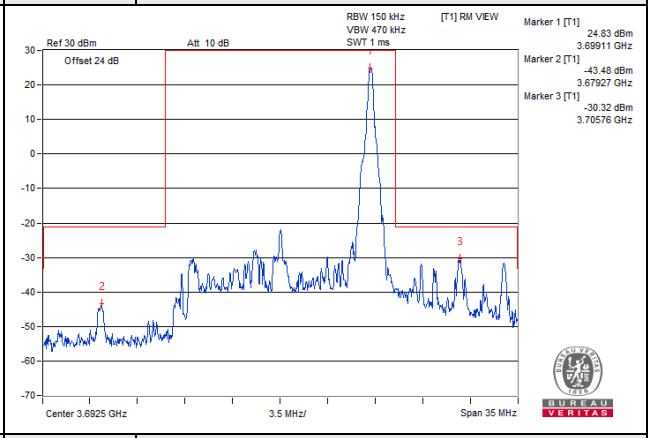
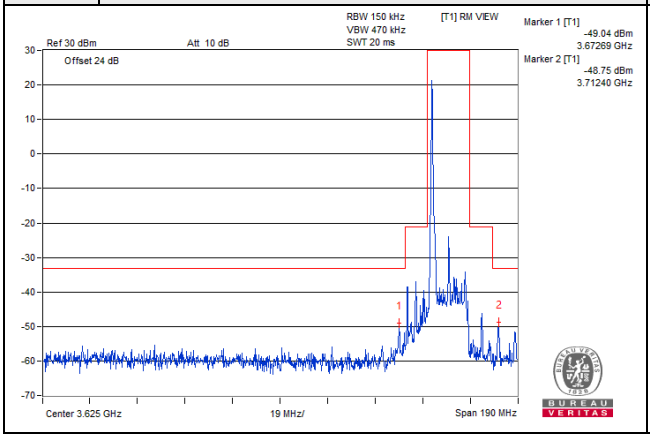
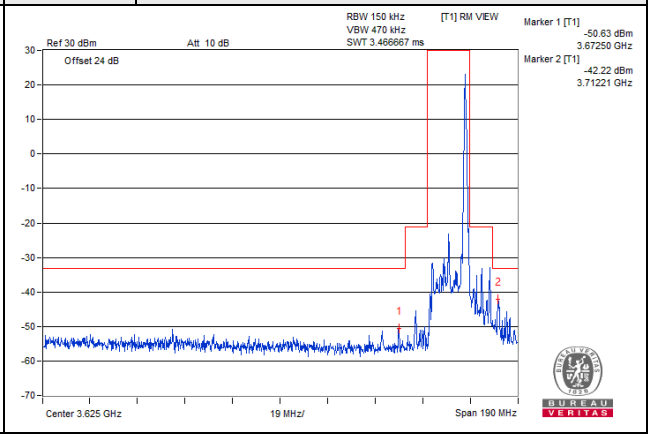
NOTE:
1MHz outside of designated channel needs to reduce the limit, When measured RBW less than 1MHz.
Within 1-10MHz above the Assigned channel Limit is -13+10*Log(150kHz/1MHz) = -21.24 dBm
Within 1-10MHz below the Assigned channel Limit is -13+10*Log(150kHz/1MHz) = -21.24dBm
10MHz above the Assigned channel Limit is -25+10*Log(150kHz/1MHz) = -33.24 dBm
10MHz below the Assigned channel Limit is -25+10*Log(150kHz/1MHz) = -33.24 dBm

Channel Bandwidth 15MHz QPSK			
Middle Channel 3625MHz			
Full RB	Within 1MHz outside the designated channel	Full RB	Greater than 1MHz outside the Assigned Channel
		
Full RB	Greater than 1MHz outside the Assigned Channel		
			

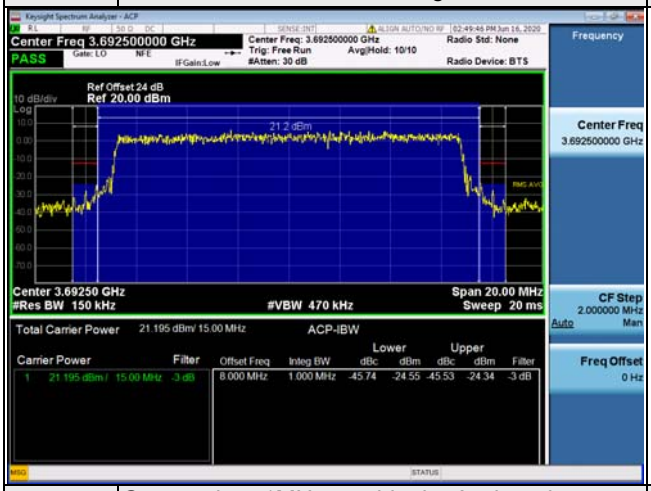
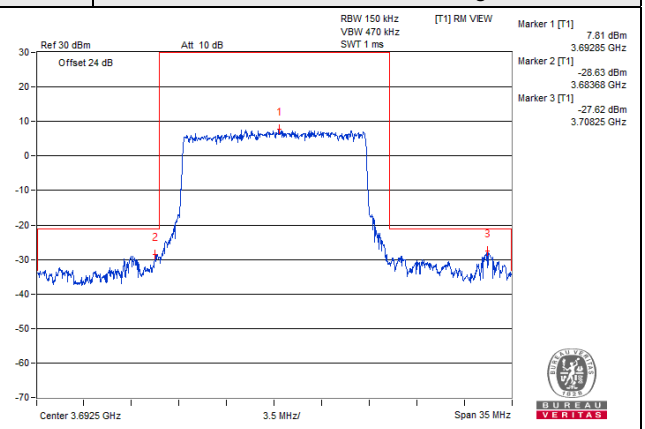
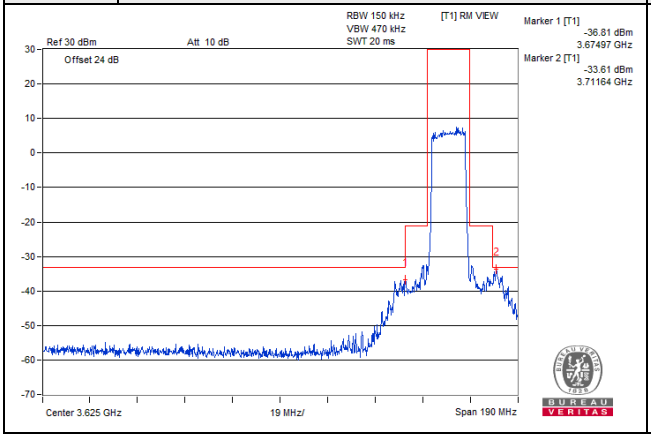
NOTE:
1MHz outside of designated channel needs to reduce the limit, When measured RBW less than 1MHz.
Within 1-10MHz above the Assigned channel Limit is -13+10*Log(150kHz/1MHz) = -21.24 dBm
Within 1-10MHz below the Assigned channel Limit is -13+10*Log(150kHz/1MHz) = -21.24dBm
10MHz above the Assigned channel Limit is -25+10*Log(150kHz/1MHz) = -33.24 dBm
10MHz below the Assigned channel Limit is -25+10*Log(150kHz/1MHz) = -33.24 dBm



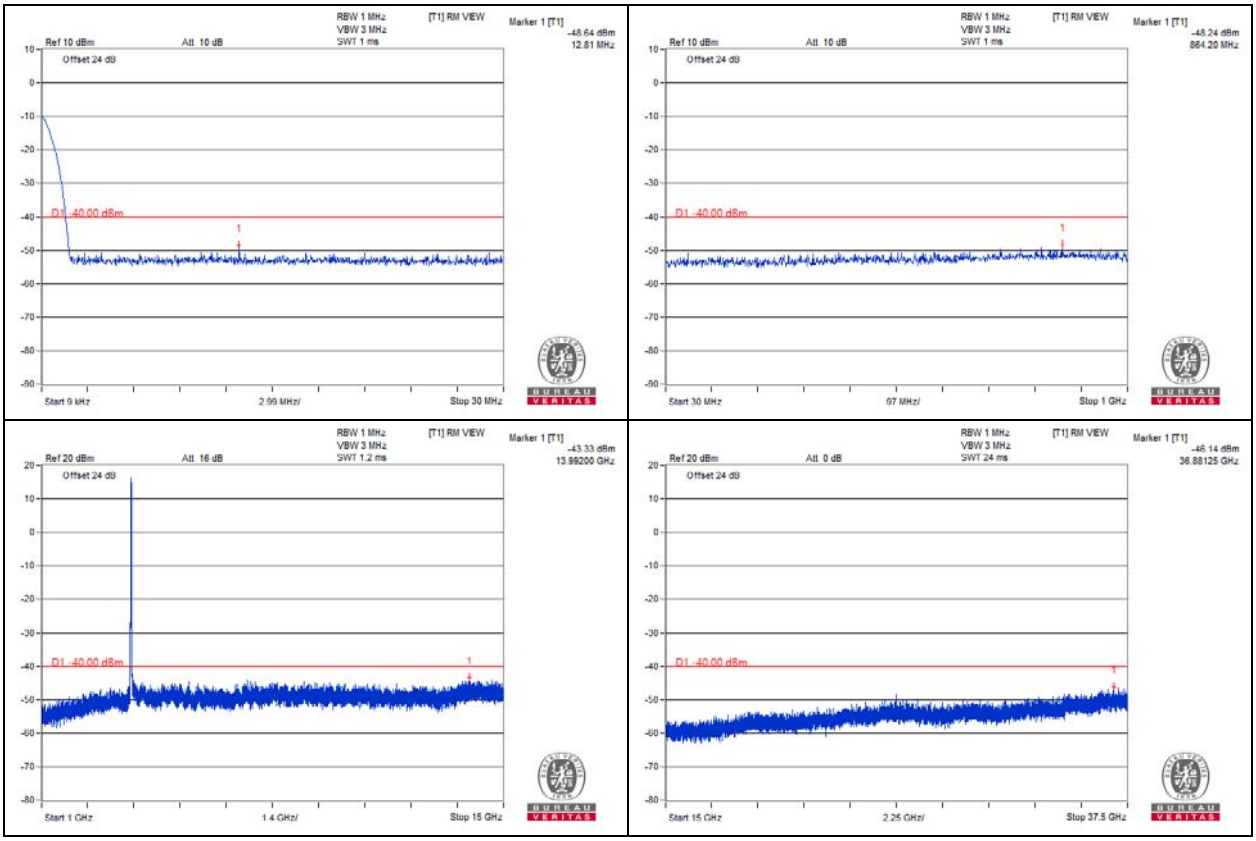
Note: The signal of 9kHz is IF signal from test instrument.

Channel Bandwidth 15MHz QPSK			
High Channel 3692.5MHz			
1 RB-0	Within 1MHz outside the designated channel	1 RB-Max	Within 1MHz outside the designated channel
			
1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel
			
1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel
			

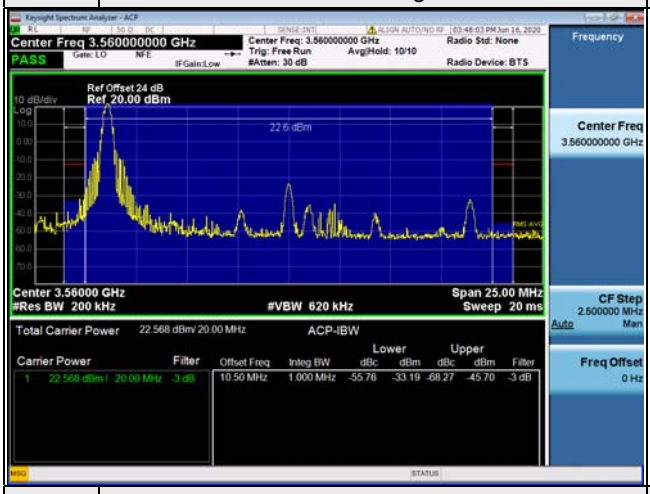
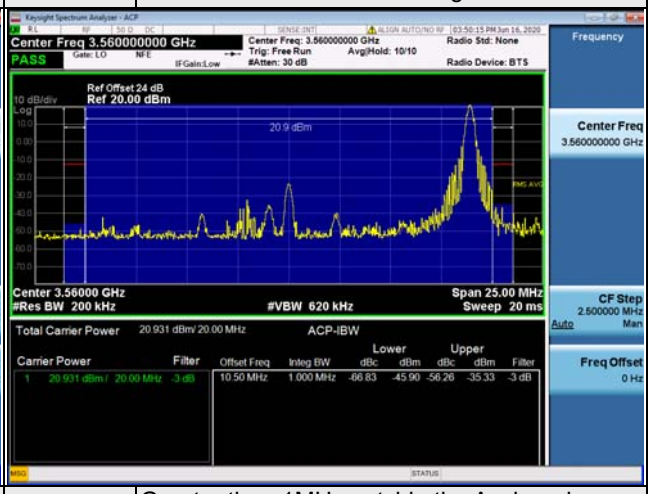
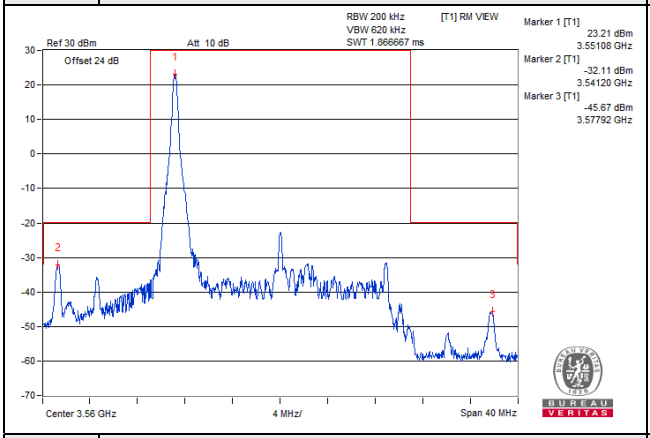
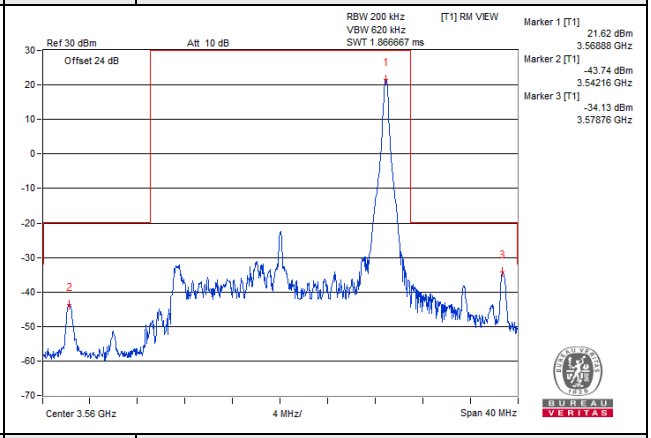
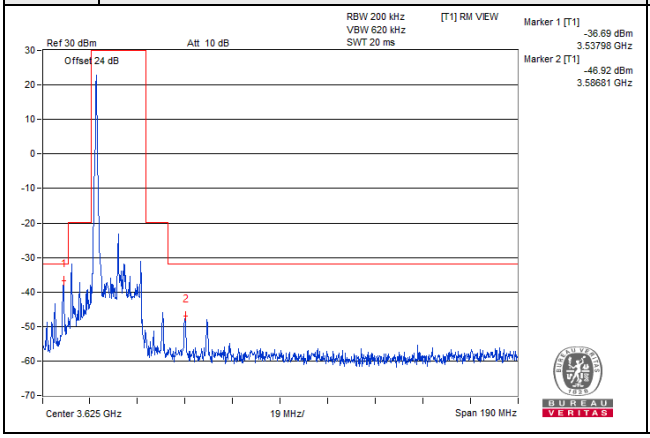
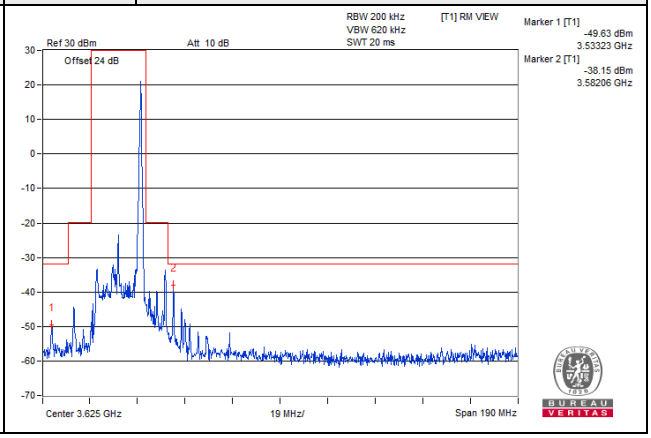
NOTE:
1MHz outside of designated channel needs to reduce the limit, When measured RBW less than 1MHz.
Within 1-10MHz above the Assigned channel Limit is -13+10*Log(150kHz/1MHz) = -21.24 dBm
Within 1-10MHz below the Assigned channel Limit is -13+10*Log(150kHz/1MHz) = -21.24dBm
10MHz above the Assigned channel Limit is -25+10*Log(150kHz/1MHz) = -33.24 dBm
10MHz below the Assigned channel Limit is -25+10*Log(150kHz/1MHz) = -33.24 dBm

Channel Bandwidth 15MHz QPSK			
High Channel 3692.5MHz			
Full RB	Within 1MHz outside the designated channel	Full RB	Greater than 1MHz outside the Assigned Channel
		
Full RB	Greater than 1MHz outside the Assigned Channel		
			

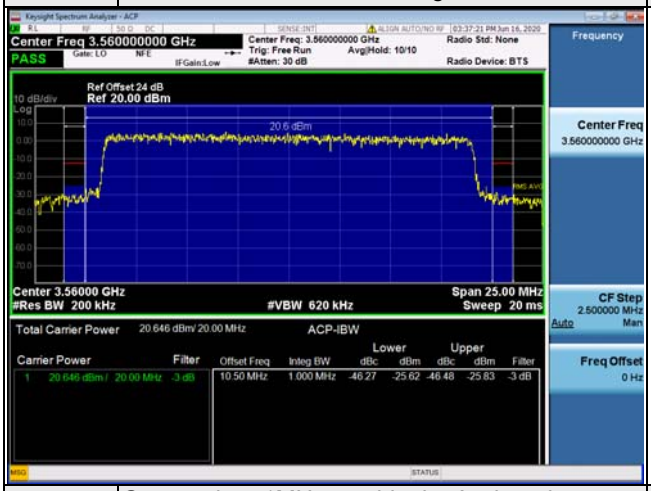
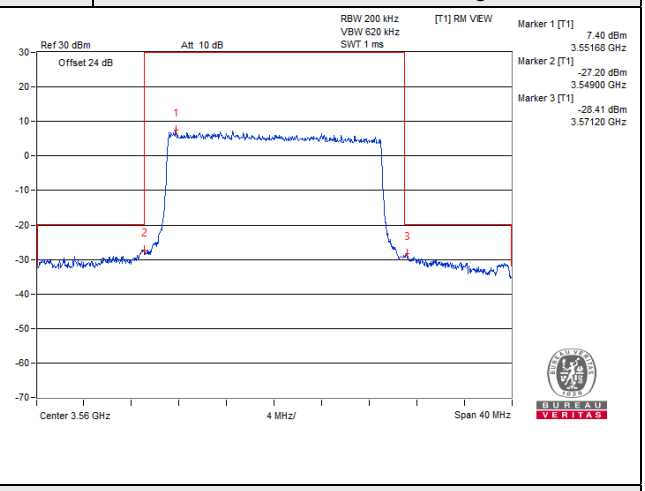
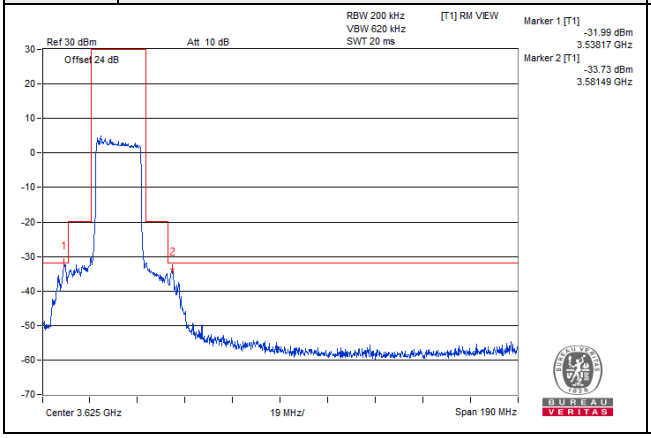
NOTE:
1MHz outside of designated channel needs to reduce the limit, When measured RBW less than 1MHz.
Within 1-10MHz above the Assigned channel Limit is -13+10*Log(150kHz/1MHz) = -21.24 dBm
Within 1-10MHz below the Assigned channel Limit is -13+10*Log(150kHz/1MHz) = -21.24dBm
10MHz above the Assigned channel Limit is -25+10*Log(150kHz/1MHz) = -33.24 dBm
10MHz below the Assigned channel Limit is -25+10*Log(150kHz/1MHz) = -33.24 dBm



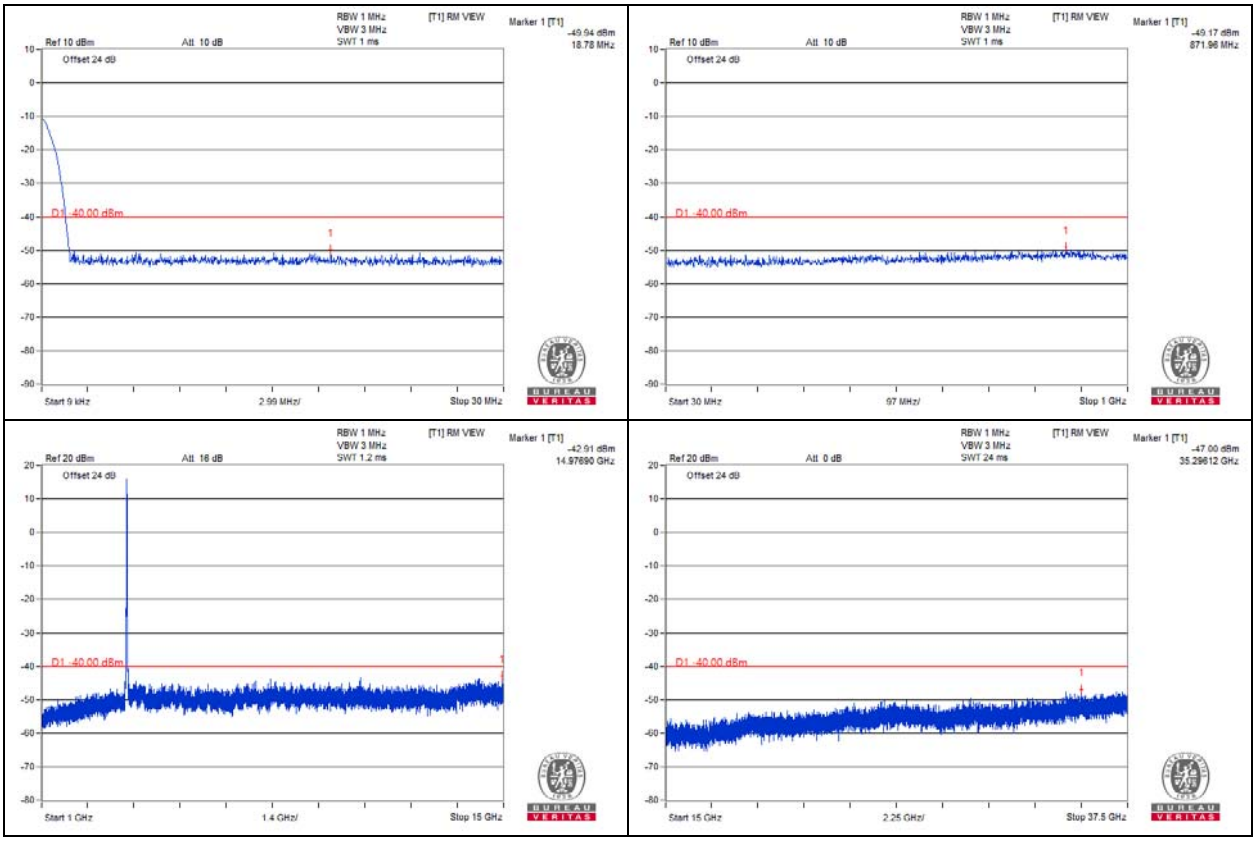
Note: The signal of 9kHz is IF signal from test instrument.

Channel Bandwidth 20MHz QPSK			
Low Channel 3560MHz			
1 RB-0	Within 1MHz outside the designated channel	1 RB-Max	Within 1MHz outside the designated channel
		
1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel
		
1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel
		

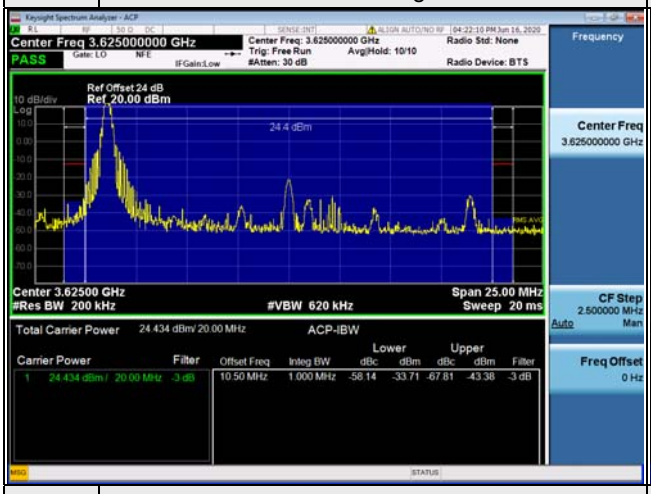
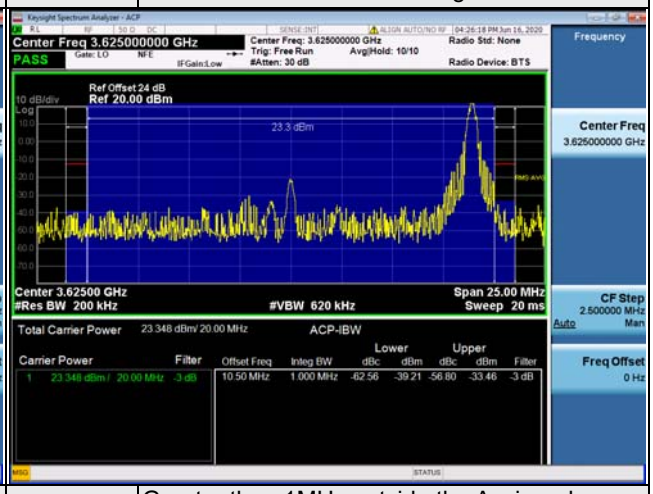
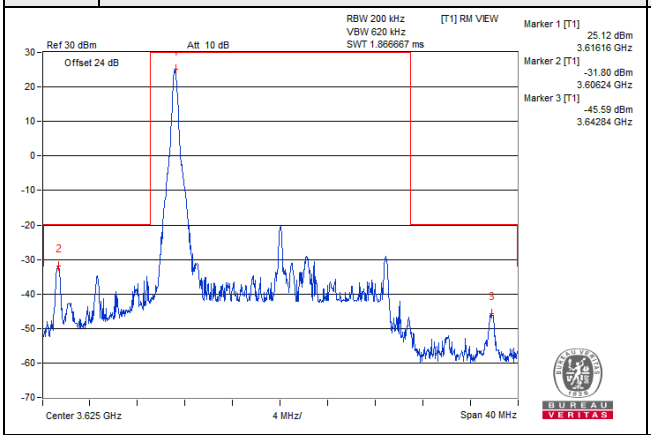
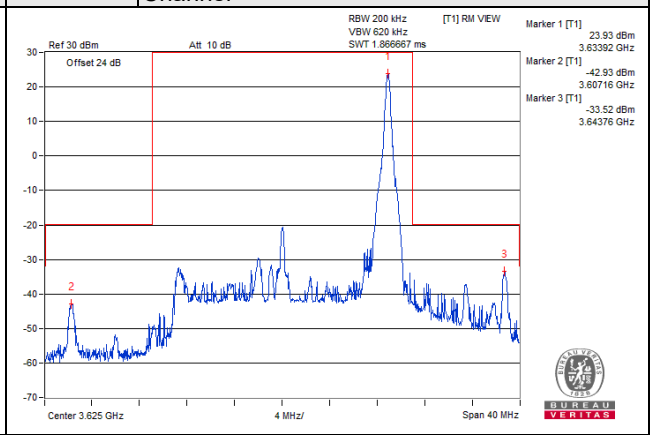
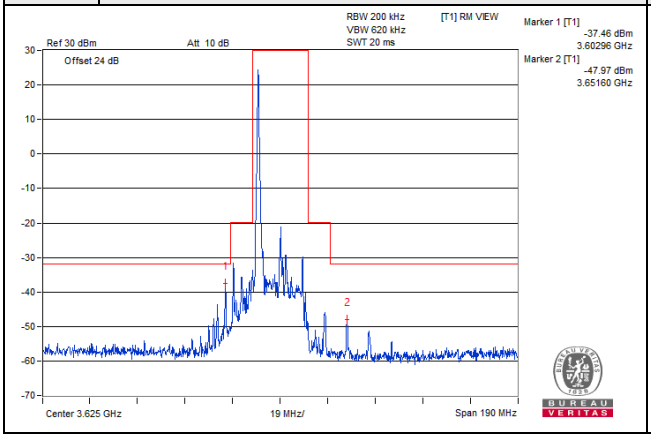
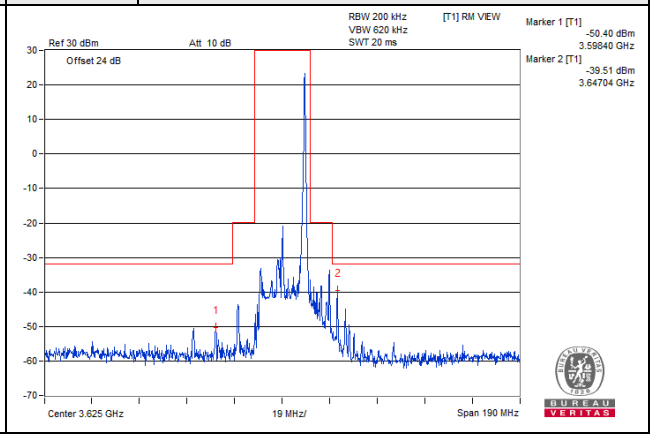
NOTE:
1MHz outside of designated channel needs to reduce the limit, When measured RBW less than 1MHz.
Within 1-10MHz above the Assigned channel Limit is -13+10*Log(200kHz/1MHz) = -19.99 dBm
Within 1-10MHz below the Assigned channel Limit is -13+10*Log(200kHz/1MHz) = -19.99dBm
10MHz above the Assigned channel Limit is -25+10*Log(200kHz/1MHz) = -31.99 dBm
10MHz below the Assigned channel Limit is -25+10*Log(200kHz/1MHz) = -31.99 dBm

Channel Bandwidth 20MHz QPSK			
Low Channel 3560MHz			
Full RB	Within 1MHz outside the designated channel	Full RB	Greater than 1MHz outside the Assigned Channel
		
Full RB	Greater than 1MHz outside the Assigned Channel		
			

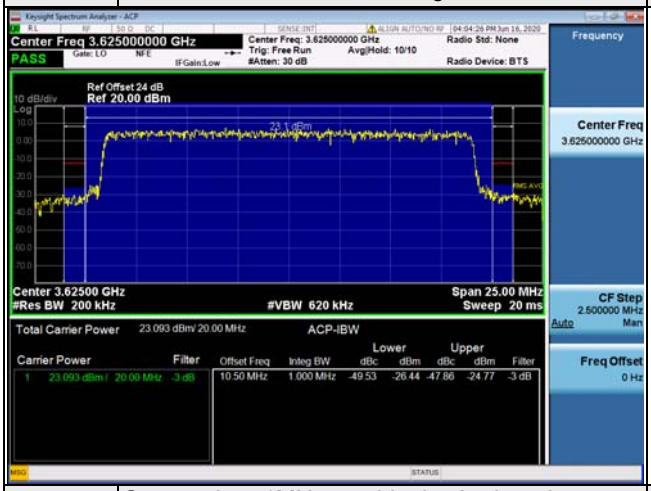
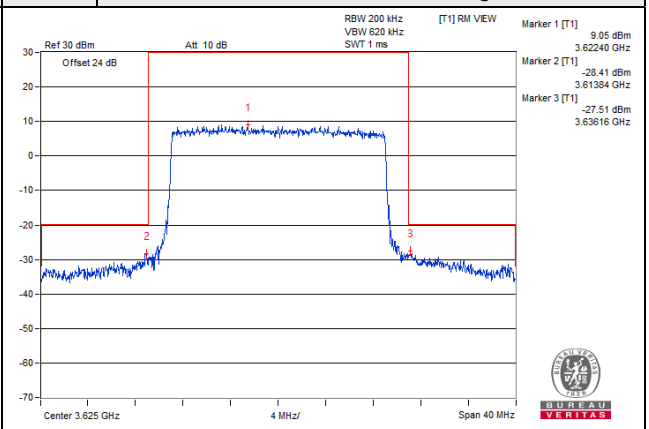
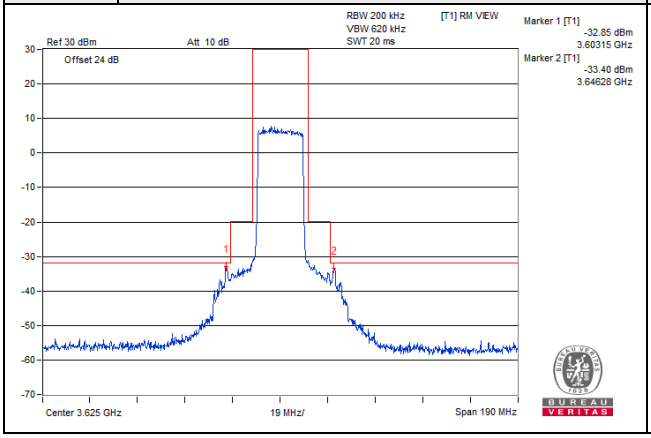
NOTE:
1MHz outside of designated channel needs to reduce the limit, When measured RBW less than 1MHz.
Within 1-10MHz above the Assigned channel Limit is -13+10*Log(200kHz/1MHz) = -19.99 dBm
Within 1-10MHz below the Assigned channel Limit is -13+10*Log(200kHz/1MHz) = -19.99dBm
10MHz above the Assigned channel Limit is -25+10*Log(200kHz/1MHz) = -31.99 dBm
10MHz below the Assigned channel Limit is -25+10*Log(200kHz/1MHz) = -31.99 dBm



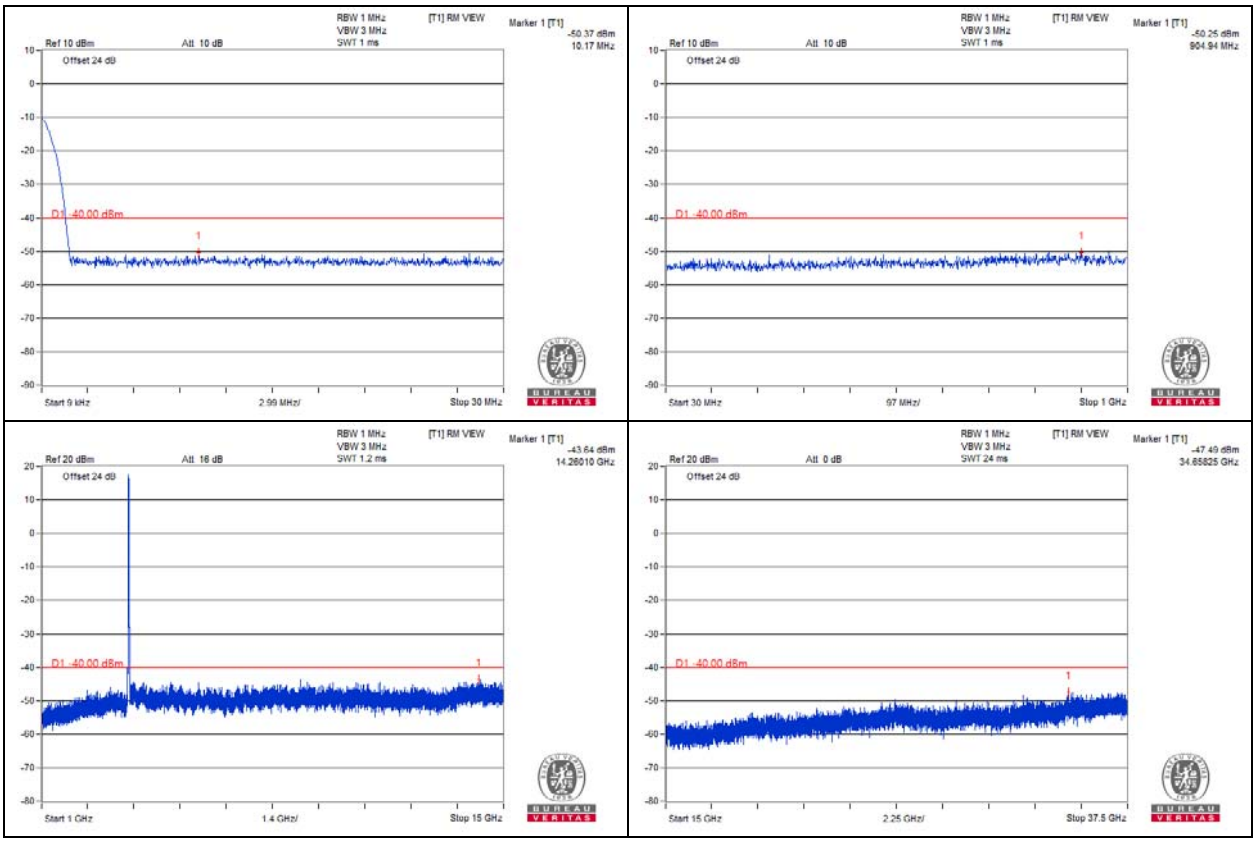
Note: The signal of 9kHz is IF signal from test instrument.

Channel Bandwidth 20MHz QPSK			
Middle Channel 3625MHz			
1 RB-0	Within 1MHz outside the designated channel	1 RB-Max	Within 1MHz outside the designated channel
			
1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel
			
1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel
			

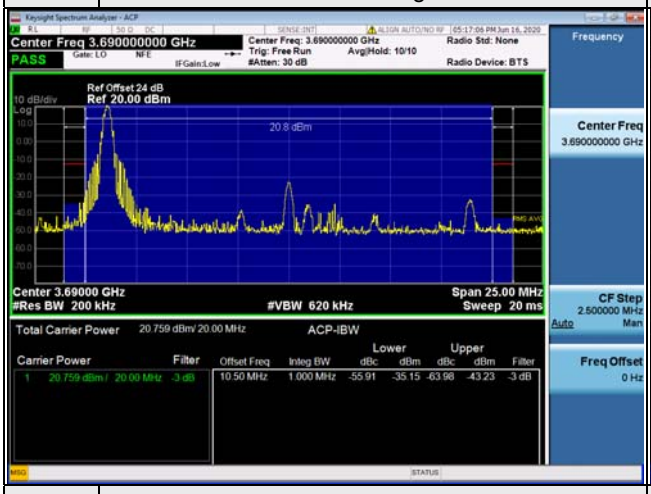
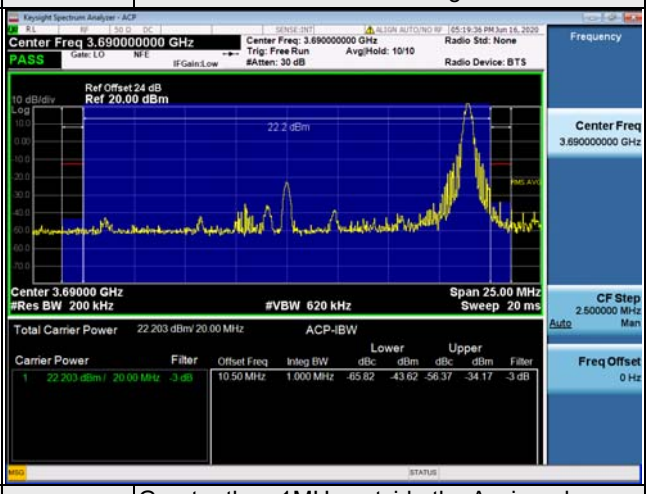
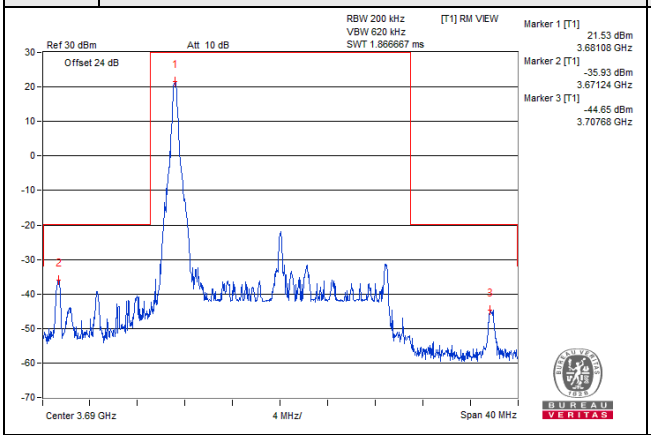
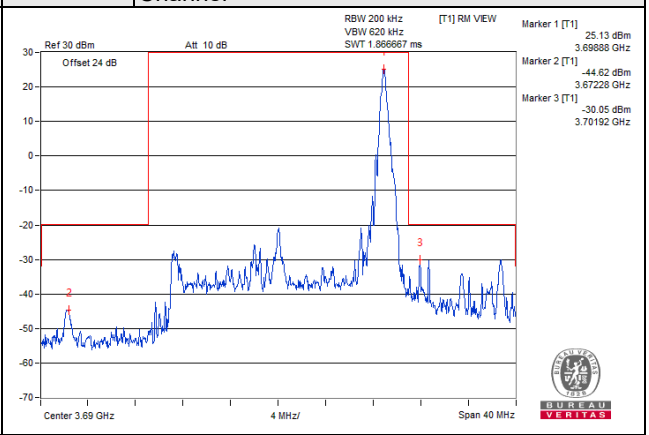
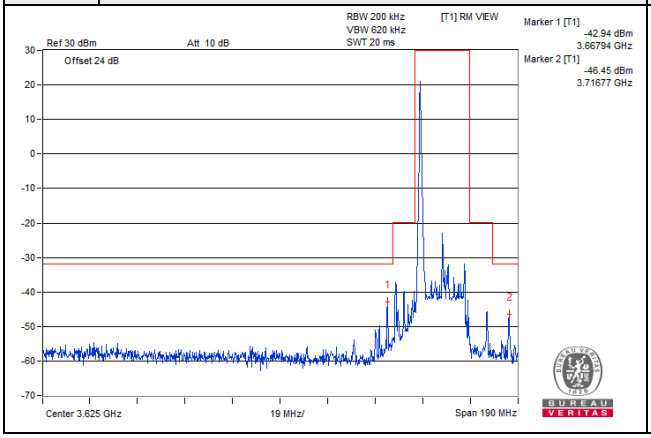
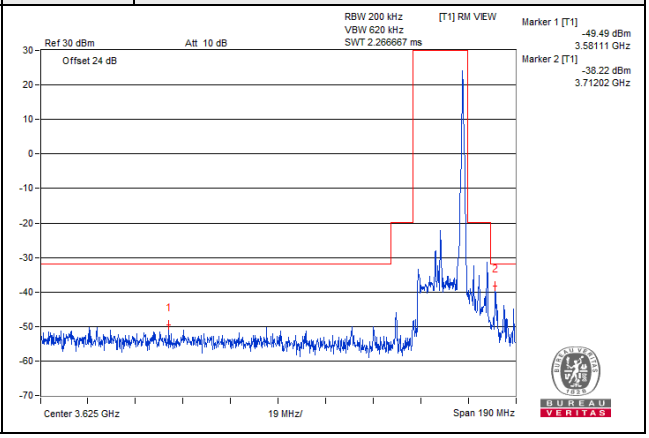
NOTE:
1MHz outside of designated channel needs to reduce the limit, When measured RBW less than 1MHz.
Within 1-10MHz above the Assigned channel Limit is -13+10*Log(200kHz/1MHz) = -19.99 dBm
Within 1-10MHz below the Assigned channel Limit is -13+10*Log(200kHz/1MHz) = -19.99dBm
10MHz above the Assigned channel Limit is -25+10*Log(200kHz/1MHz) = -31.99 dBm
10MHz below the Assigned channel Limit is -25+10*Log(200kHz/1MHz) = -31.99 dBm

Channel Bandwidth 20MHz QPSK			
Middle Channel 3625MHz			
Full RB	Within 1MHz outside the designated channel	Full RB	Greater than 1MHz outside the Assigned Channel
		
Full RB	Greater than 1MHz outside the Assigned Channel		
			

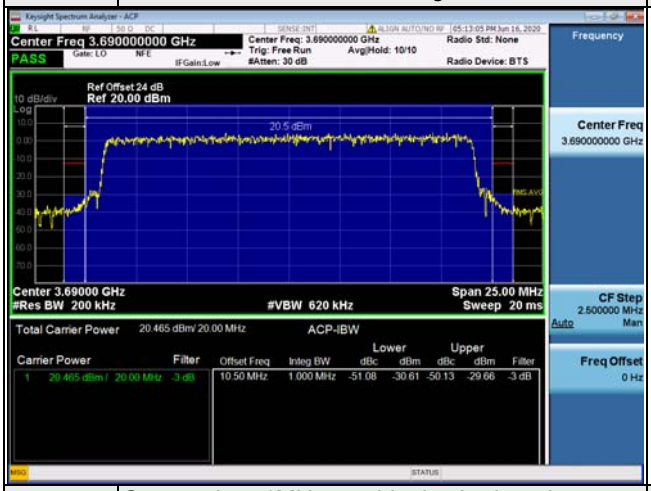
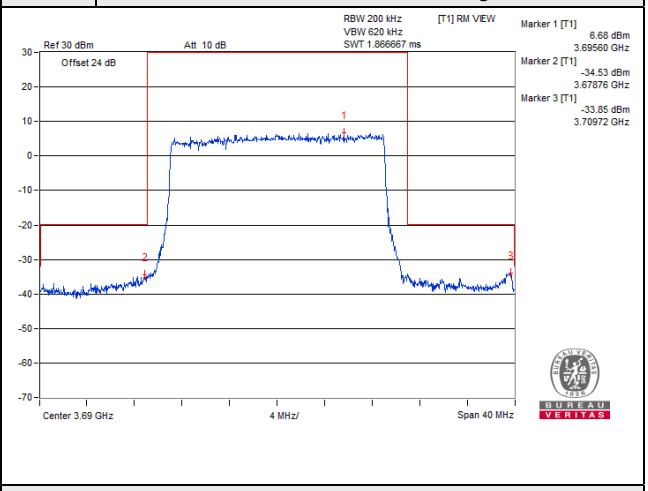
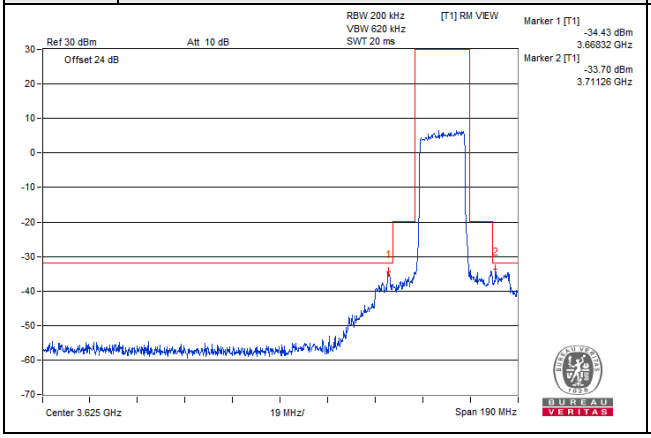
NOTE:
1MHz outside of designated channel needs to reduce the limit, When measured RBW less than 1MHz.
Within 1-10MHz above the Assigned channel Limit is -13+10*Log(200kHz/1MHz) = -19.99 dBm
Within 1-10MHz below the Assigned channel Limit is -13+10*Log(200kHz/1MHz) = -19.99dBm
10MHz above the Assigned channel Limit is -25+10*Log(200kHz/1MHz) = -31.99 dBm
10MHz below the Assigned channel Limit is -25+10*Log(200kHz/1MHz) = -31.99 dBm



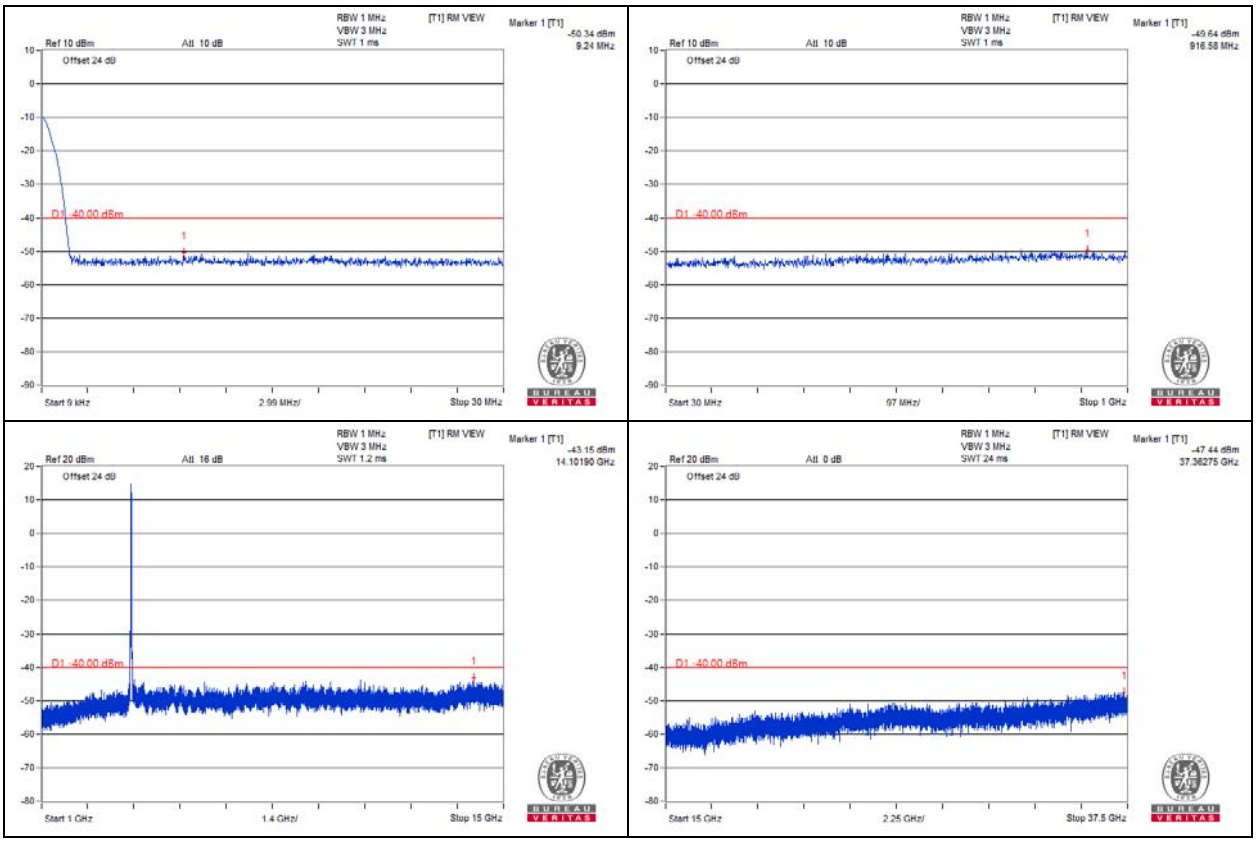
Note: The signal of 9kHz is IF signal from test instrument.

Channel Bandwidth 20MHz QPSK			
High Channel 3690MHz			
1 RB-0	Within 1MHz outside the designated channel	1 RB-Max	Within 1MHz outside the designated channel
		
1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel
		
1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel
		

NOTE:
1MHz outside of designated channel needs to reduce the limit, When measured RBW less than 1MHz.
Within 1-10MHz above the Assigned channel Limit is -13+10*Log(200kHz/1MHz) = -19.99 dBm
Within 1-10MHz below the Assigned channel Limit is -13+10*Log(200kHz/1MHz) = -19.99dBm
10MHz above the Assigned channel Limit is -25+10*Log(200kHz/1MHz) = -31.99 dBm
10MHz below the Assigned channel Limit is -25+10*Log(200kHz/1MHz) = -31.99 dBm

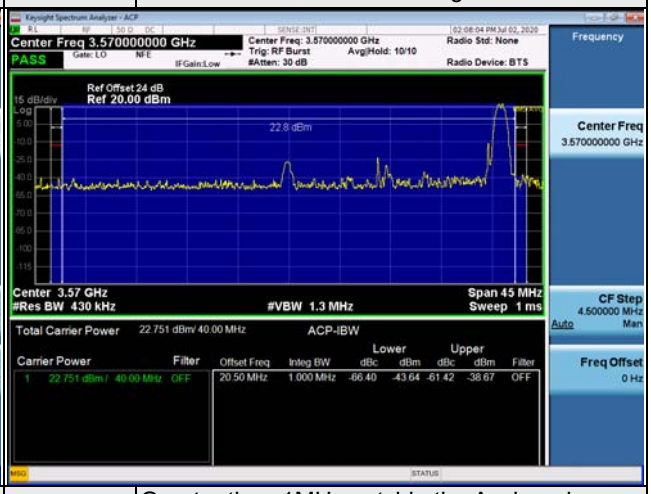
Channel Bandwidth 20MHz QPSK			
High Channel 3690MHz			
Full RB	Within 1MHz outside the designated channel	Full RB	Greater than 1MHz outside the Assigned Channel
		
Full RB	Greater than 1MHz outside the Assigned Channel		
			

NOTE:
1MHz outside of designated channel needs to reduce the limit, When measured RBW less than 1MHz.
Within 1-10MHz above the Assigned channel Limit is -13+10*Log(200kHz/1MHz) = -19.99 dBm
Within 1-10MHz below the Assigned channel Limit is -13+10*Log(200kHz/1MHz) = -19.99dBm
10MHz above the Assigned channel Limit is -25+10*Log(200kHz/1MHz) = -31.99 dBm
10MHz below the Assigned channel Limit is -25+10*Log(200kHz/1MHz) = -31.99 dBm

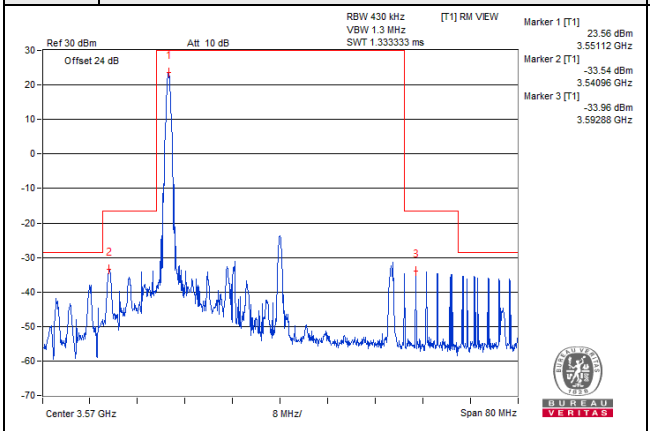


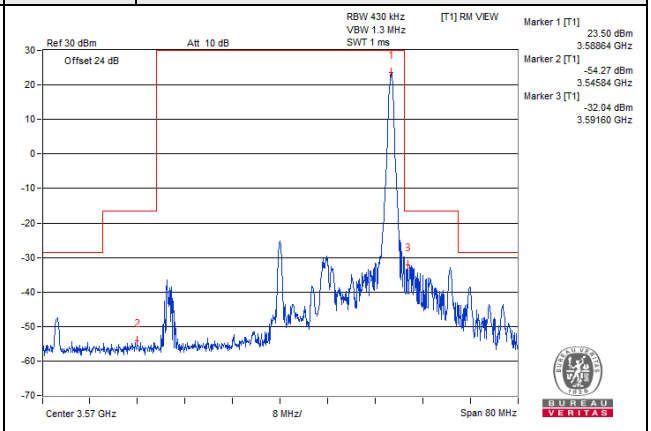
Note: The signal of 9kHz is IF signal from test instrument.

Channel Bandwidth 20MHz+20MHz QPSK			
Worse case 3560+3579.8MHz			
1 RB-0	Within 1MHz outside the designated channel	1 RB-Max	Within 1MHz outside the designated channel

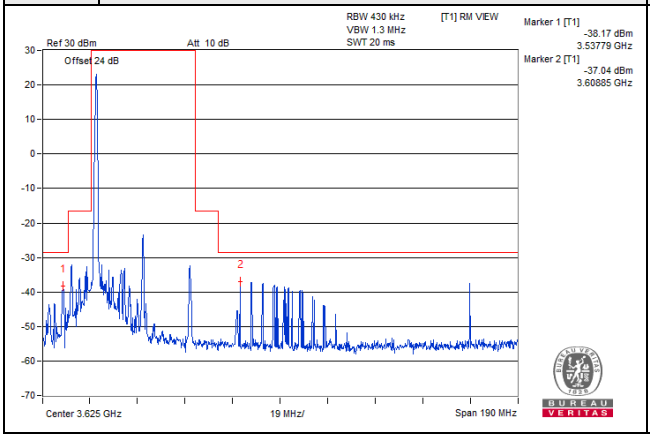


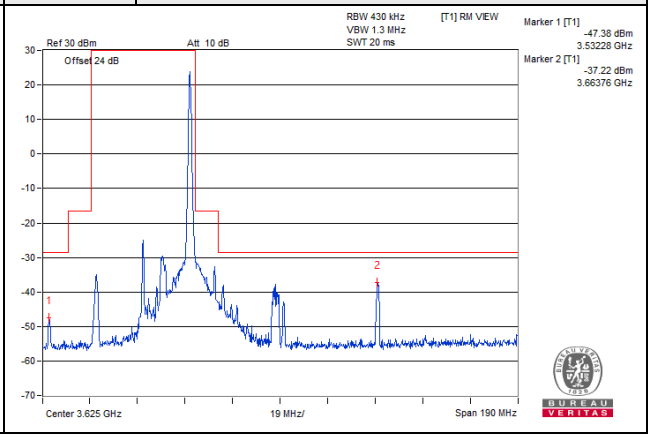
1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel



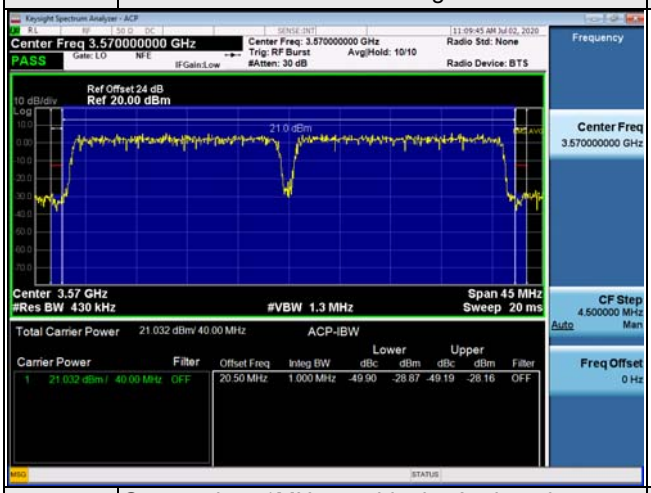
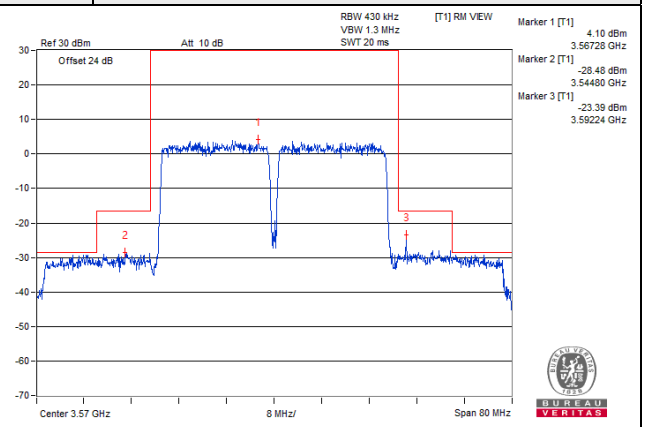
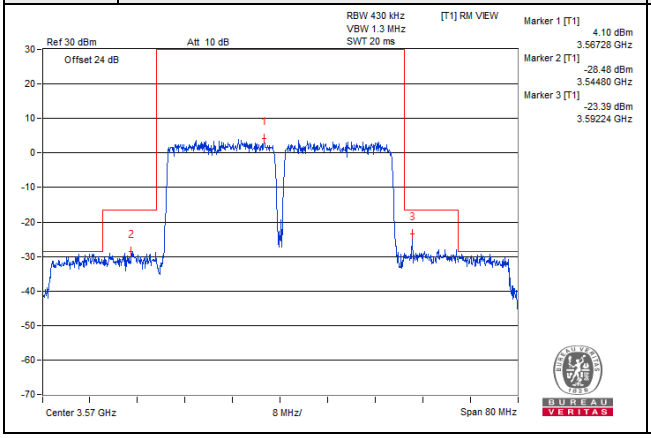


1 RB-0	Greater than 1MHz outside the Assigned Channel	1 RB-Max	Greater than 1MHz outside the Assigned Channel

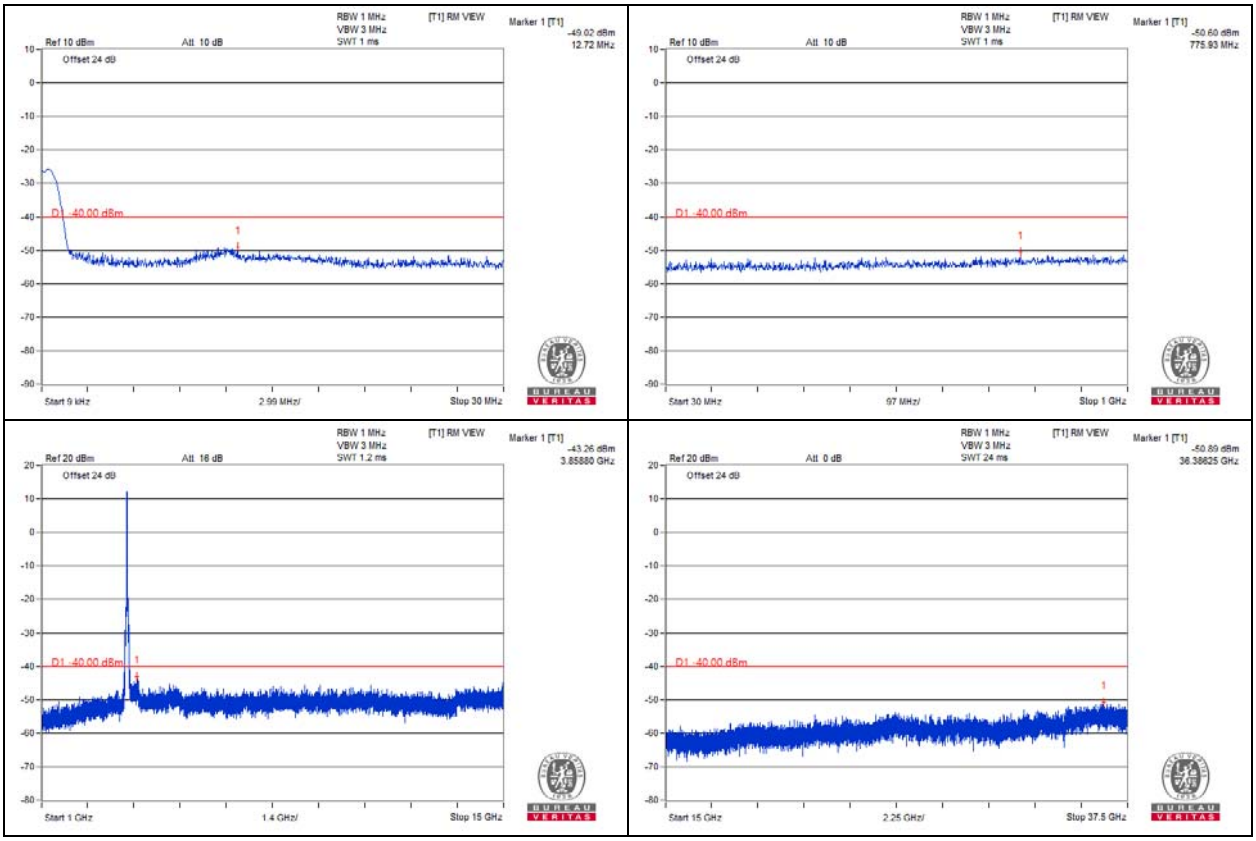




NOTE:
1MHz outside of designated channel needs to reduce the limit, When measured RBW less than 1MHz.
Within 1-10MHz above the Assigned channel Limit is -13+10*Log(430kHz/1MHz) = -16.66 dBm
Within 1-10MHz below the Assigned channel Limit is -13+10*Log(430kHz/1MHz) = -16.66 dBm
10MHz above the Assigned channel Limit is -25+10*Log(430kHz/1MHz) = -28.66 dBm
10MHz below the Assigned channel Limit is -25+10*Log(430kHz/1MHz) = -28.66 dBm

Channel Bandwidth 20MHz+20MHz QPSK			
Worse case 3560+3579.8MHz			
Full RB	Within 1MHz outside the designated channel	Full RB	Greater than 1MHz outside the Assigned Channel
		
Full RB	Greater than 1MHz outside the Assigned Channel		
			

NOTE:
1MHz outside of designated channel needs to reduce the limit, When measured RBW less than 1MHz.
Within 1-10MHz above the Assigned channel Limit is -13+10*Log(430kHz/1MHz) = -16.66 dBm
Within 1-10MHz below the Assigned channel Limit is -13+10*Log(430kHz/1MHz) = -16.66 dBm
10MHz above the Assigned channel Limit is -25+10*Log(430kHz/1MHz) = -28.66 dBm
10MHz below the Assigned channel Limit is -25+10*Log(430kHz/1MHz) = -28.66 dBm



Note: The signal of 9kHz is IF signal from test instrument.

4.8 Radiated Emission Measurement

4.8.1 Limits of Radiated Emission Measurement

The power of any emissions below 3530 MHz or above 3720 MHz shall not exceed −40dBm/MHz.

4.8.2 Test Instruments

Refer to section 4.1.3 to get information of above instrument.

4.8.3 Test Procedures

a. The field strength was measured with Spectrum Analyzer.

b. Measurement in the semi-anechoic chamber, EUT placed on the 0.8m/1.5m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The “Read Value” is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor.

c. Perform a field strength measurement and then mathematically convert the measured field strength level to EIRP level.

d. Follow ANSI 63.26 section 5.2.7 d), EIRP Value (dBm) = Read Value (dBμV/m) - Correction Factor @ 3m

e. Correction Factor (dB) @ 3m = 20log(D) − 104.8; where D is the measurement distance @3m =-95.26dB

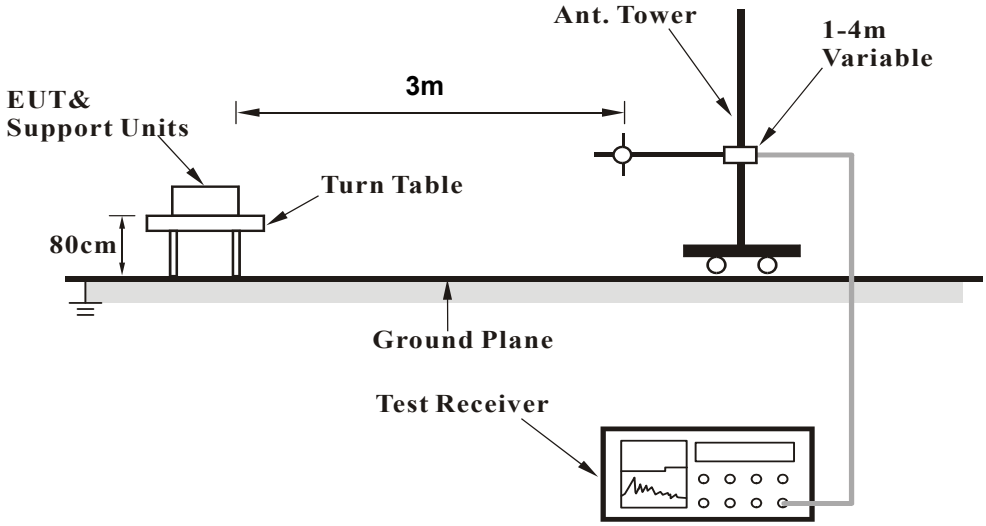
NOTE: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

4.8.4 Deviation from Test Standard

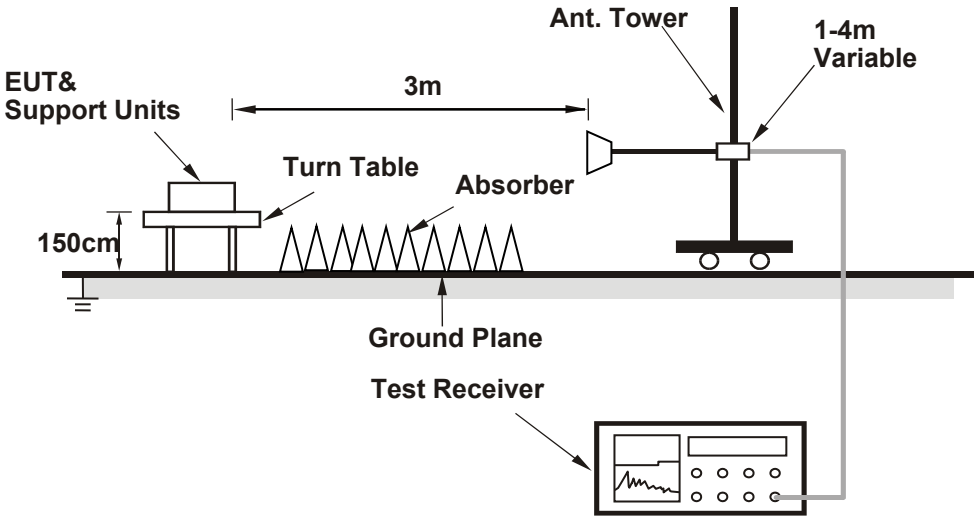
No deviation.

4.8.5 Test Setup

<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.8.6 Test Results

Single Carrier

Below 1GHz Data：

5MHz

Mode	TX Low	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	42.58	35.8	-95.26	-59.46	-40	-19.46
2	84.36	32.6	-95.26	-62.66	-40	-22.66
3	111.48	38.38	-95.26	-56.88	-40	-16.88
4	148.73	32.41	-95.26	-62.85	-40	-22.85
5	196.76	33.31	-95.26	-61.95	-40	-21.95
6	423.45	28.56	-95.26	-66.70	-40	-26.70
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	43.97	38.32	-95.26	-56.94	-40	-16.94
2	62.37	35.12	-95.26	-60.14	-40	-20.14
3	90.59	34.66	-95.26	-60.60	-40	-20.60
4	111.83	31.76	-95.26	-63.50	-40	-23.50
5	196.04	34.25	-95.26	-61.01	-40	-21.01
6	225.01	27.64	-95.26	-67.62	-40	-27.62

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

Mode	TX Middle	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	42.48	35.45	-95.26	-59.81	-40	-19.81
2	84.17	32.29	-95.26	-62.97	-40	-22.97
3	111.13	38	-95.26	-57.26	-40	-17.26
4	148.32	32.02	-95.26	-63.24	-40	-23.24
5	196.62	32.9	-95.26	-62.36	-40	-22.36
6	423.02	28.45	-95.26	-66.81	-40	-26.81
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	43.91	37.83	-95.26	-57.43	-40	-17.43
2	62.35	34.84	-95.26	-60.42	-40	-20.42
3	90.29	34.58	-95.26	-60.68	-40	-20.68
4	111.47	31.76	-95.26	-63.50	-40	-23.50
5	195.95	34.15	-95.26	-61.11	-40	-21.11
6	224.85	27.51	-95.26	-67.75	-40	-27.75

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

Mode	TX High	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	42.13	35.31	-95.26	-59.95	-40	-19.95
2	83.93	32.56	-95.26	-62.70	-40	-22.70
3	111.02	38.25	-95.26	-57.01	-40	-17.01
4	148.47	32	-95.26	-63.26	-40	-23.26
5	196.34	33.24	-95.26	-62.02	-40	-22.02
6	422.99	28.07	-95.26	-67.19	-40	-27.19
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	43.91	38.24	-95.26	-57.02	-40	-17.02
2	61.9	34.65	-95.26	-60.61	-40	-20.61
3	90.58	34.49	-95.26	-60.77	-40	-20.77
4	111.61	31.3	-95.26	-63.96	-40	-23.96
5	196	33.76	-95.26	-61.50	-40	-21.50
6	224.97	27.47	-95.26	-67.79	-40	-27.79

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

10MHz

Mode	TX Low	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	42.16	35.67	-95.26	-59.59	-40	-19.59
2	84.2	32.31	-95.26	-62.95	-40	-22.95
3	111.3	38.13	-95.26	-57.13	-40	-17.13
4	148.47	31.98	-95.26	-63.28	-40	-23.28
5	196.67	33.04	-95.26	-62.22	-40	-22.22
6	423.05	28.13	-95.26	-67.13	-40	-27.13
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	43.82	38.12	-95.26	-57.14	-40	-17.14
2	62.12	34.66	-95.26	-60.60	-40	-20.60
3	90.54	34.54	-95.26	-60.72	-40	-20.72
4	111.44	31.65	-95.26	-63.61	-40	-23.61
5	195.79	34.13	-95.26	-61.13	-40	-21.13
6	224.77	27.5	-95.26	-67.76	-40	-27.76

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

Mode	TX Middle	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	42.52	35.46	-95.26	-59.80	-40	-19.80
2	83.95	32.47	-95.26	-62.79	-40	-22.79
3	111.01	38.34	-95.26	-56.92	-40	-16.92
4	148.72	32.34	-95.26	-62.92	-40	-22.92
5	196.41	32.99	-95.26	-62.27	-40	-22.27
6	423.04	28.25	-95.26	-67.01	-40	-27.01
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	43.93	38.29	-95.26	-56.97	-40	-16.97
2	61.91	34.8	-95.26	-60.46	-40	-20.46
3	90.42	34.34	-95.26	-60.92	-40	-20.92
4	111.54	31.66	-95.26	-63.60	-40	-23.60
5	196.03	33.93	-95.26	-61.33	-40	-21.33
6	224.81	27.37	-95.26	-67.89	-40	-27.89

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

Mode	TX High	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	42.1	35.63	-95.26	-59.63	-40	-19.63
2	83.99	32.36	-95.26	-62.90	-40	-22.90
3	111.38	38.08	-95.26	-57.18	-40	-17.18
4	148.41	32	-95.26	-63.26	-40	-23.26
5	196.3	33.2	-95.26	-62.06	-40	-22.06
6	423.1	28.13	-95.26	-67.13	-40	-27.13
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	43.79	38.12	-95.26	-57.14	-40	-17.14
2	62.06	34.78	-95.26	-60.48	-40	-20.48
3	90.15	34.58	-95.26	-60.68	-40	-20.68
4	111.38	31.65	-95.26	-63.61	-40	-23.61
5	195.98	33.98	-95.26	-61.28	-40	-21.28
6	224.58	27.54	-95.26	-67.72	-40	-27.72

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

15MHz

Mode	TX Low	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	42.23	35.74	-95.26	-59.52	-40	-19.52
2	83.89	32.42	-95.26	-62.84	-40	-22.84
3	111.21	38.33	-95.26	-56.93	-40	-16.93
4	148.28	31.97	-95.26	-63.29	-40	-23.29
5	196.72	33.04	-95.26	-62.22	-40	-22.22
6	423.24	28.14	-95.26	-67.12	-40	-27.12
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	43.77	38.16	-95.26	-57.10	-40	-17.10
2	62.07	35.06	-95.26	-60.20	-40	-20.20
3	90.16	34.19	-95.26	-61.07	-40	-21.07
4	111.75	31.29	-95.26	-63.97	-40	-23.97
5	195.87	34.08	-95.26	-61.18	-40	-21.18
6	224.64	27.43	-95.26	-67.83	-40	-27.83

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

Mode	TX Middle	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	42.12	35.74	-95.26	-59.52	-40	-19.52
2	84.16	32.44	-95.26	-62.82	-40	-22.82
3	111.11	38.25	-95.26	-57.01	-40	-17.01
4	148.5	32.01	-95.26	-63.25	-40	-23.25
5	196.76	33.14	-95.26	-62.12	-40	-22.12
6	423.11	28.11	-95.26	-67.15	-40	-27.15
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	43.58	37.93	-95.26	-57.33	-40	-17.33
2	62.22	35.09	-95.26	-60.17	-40	-20.17
3	90.55	34.33	-95.26	-60.93	-40	-20.93
4	111.49	31.68	-95.26	-63.58	-40	-23.58
5	195.66	33.81	-95.26	-61.45	-40	-21.45
6	224.65	27.29	-95.26	-67.97	-40	-27.97

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

Mode	TX High	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	42.08	35.62	-95.26	-59.64	-40	-19.64
2	84.35	32.46	-95.26	-62.80	-40	-22.80
3	111.28	38.08	-95.26	-57.18	-40	-17.18
4	148.67	32.11	-95.26	-63.15	-40	-23.15
5	196.44	33.1	-95.26	-62.16	-40	-22.16
6	423.44	28.56	-95.26	-66.70	-40	-26.70
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	43.72	38.16	-95.26	-57.10	-40	-17.10
2	62.02	34.88	-95.26	-60.38	-40	-20.38
3	90.38	34.21	-95.26	-61.05	-40	-21.05
4	111.62	31.67	-95.26	-63.59	-40	-23.59
5	195.8	33.82	-95.26	-61.44	-40	-21.44
6	224.73	27.27	-95.26	-67.99	-40	-27.99

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

20MHz

Mode	TX Low	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	42.56	35.69	-95.26	-59.57	-40	-19.57
2	83.95	32.36	-95.26	-62.90	-40	-22.90
3	111.31	38.11	-95.26	-57.15	-40	-17.15
4	148.68	32.12	-95.26	-63.14	-40	-23.14
5	196.32	33.19	-95.26	-62.07	-40	-22.07
6	423.27	28.31	-95.26	-66.95	-40	-26.95
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	43.53	38.28	-95.26	-56.98	-40	-16.98
2	61.92	34.71	-95.26	-60.55	-40	-20.55
3	90.5	34.65	-95.26	-60.61	-40	-20.61
4	111.67	31.73	-95.26	-63.53	-40	-23.53
5	195.61	33.78	-95.26	-61.48	-40	-21.48
6	224.74	27.43	-95.26	-67.83	-40	-27.83

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

Mode	TX Middle	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	42.31	35.5	-95.26	-59.76	-40	-19.76
2	84.05	32.27	-95.26	-62.99	-40	-22.99
3	111.04	37.88	-95.26	-57.38	-40	-17.38
4	148.39	32.17	-95.26	-63.09	-40	-23.09
5	196.58	32.9	-95.26	-62.36	-40	-22.36
6	422.98	28.29	-95.26	-66.97	-40	-26.97
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	43.7	38.13	-95.26	-57.13	-40	-17.13
2	61.88	34.71	-95.26	-60.55	-40	-20.55
3	90.59	34.27	-95.26	-60.99	-40	-20.99
4	111.39	31.69	-95.26	-63.57	-40	-23.57
5	195.93	33.81	-95.26	-61.45	-40	-21.45
6	224.8	27.41	-95.26	-67.85	-40	-27.85

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

Mode	TX High	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	42.29	35.45	-95.26	-59.81	-40	-19.81
2	83.95	32.34	-95.26	-62.92	-40	-22.92
3	111.4	38.03	-95.26	-57.23	-40	-17.23
4	148.69	32.09	-95.26	-63.17	-40	-23.17
5	196.26	33.16	-95.26	-62.10	-40	-22.10
6	423.44	28.21	-95.26	-67.05	-40	-27.05
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	43.59	38.3	-95.26	-56.96	-40	-16.96
2	62.2	34.74	-95.26	-60.52	-40	-20.52
3	90.17	34.18	-95.26	-61.08	-40	-21.08
4	111.63	31.61	-95.26	-63.65	-40	-23.65
5	195.9	33.76	-95.26	-61.50	-40	-21.50
6	224.69	27.15	-95.26	-68.11	-40	-28.11

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

20MHz+20MHz

Mode	Worse case	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	42.5	35.48	-95.26	-59.78	-40	-19.78
2	84.22	32.19	-95.26	-63.07	-40	-23.07
3	111.01	38.05	-95.26	-57.21	-40	-17.21
4	148.56	32.06	-95.26	-63.20	-40	-23.20
5	196.3	33.21	-95.26	-62.05	-40	-22.05
6	423.34	28.29	-95.26	-66.97	-40	-26.97
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	43.64	35.47	-95.26	-59.79	-40	-19.79
2	62.29	32.24	-95.26	-63.02	-40	-23.02
3	90.18	38.09	-95.26	-57.17	-40	-17.17
4	111.65	31.91	-95.26	-63.35	-40	-23.35
5	196.02	33.18	-95.26	-62.08	-40	-22.08
6	224.53	28.55	-95.26	-66.71	-40	-26.71

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

Above 1GHz Data：

5MHz

Mode	TX Low	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7105	36.77	-95.26	-58.49	-40	-18.49
2	10657.5	43.07	-95.26	-52.19	-40	-12.19
3	14210	46.52	-95.26	-48.74	-40	-8.74
4	**17762.5**	**48.52**	**-95.26**	**-46.74**	**-40**	**-6.74**
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7105	36.74	-95.26	-58.52	-40	-18.52
2	10657.5	43.01	-95.26	-52.25	-40	-12.25
3	14210	46.17	-95.26	-49.09	-40	-9.09
4	17762.5	48.39	-95.26	-46.87	-40	-6.87

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

Mode	TX Middle	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7250	36.73	-95.26	-58.53	-40	-18.53
2	10875	42.63	-95.26	-52.63	-40	-12.63
3	14500	46.3	-95.26	-48.96	-40	-8.96
4	18125	48.18	-95.26	-47.08	-40	-7.08
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7250	36.58	-95.26	-58.68	-40	-18.68
2	10875	42.93	-95.26	-52.33	-40	-12.33
3	14500	46.5	-95.26	-48.76	-40	-8.76
4	18125	48.34	-95.26	-46.92	-40	-6.92

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

Mode	TX High	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7395	36.56	-95.26	-58.70	-40	-18.70
2	11092.5	42.65	-95.26	-52.61	-40	-12.61
3	14790	46.49	-95.26	-48.77	-40	-8.77
4	18487.5	48.38	-95.26	-46.88	-40	-6.88
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7395	36.49	-95.26	-58.77	-40	-18.77
2	11092.5	42.93	-95.26	-52.33	-40	-12.33
3	14790	46.17	-95.26	-49.09	-40	-9.09
4	18487.5	48.36	-95.26	-46.90	-40	-6.90

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

10MHz

Mode	TX Low	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7110	36.36	-95.26	-58.90	-40	-18.90
2	10665	42.75	-95.26	-52.51	-40	-12.51
3	14220	46.18	-95.26	-49.08	-40	-9.08
4	17775	48.03	-95.26	-47.23	-40	-7.23
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7110	36.53	-95.26	-58.73	-40	-18.73
2	10665	42.77	-95.26	-52.49	-40	-12.49
3	14220	46.03	-95.26	-49.23	-40	-9.23
4	17775	48.5	-95.26	-46.76	-40	-6.76

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

Mode	TX Middle	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7250	36.49	-95.26	-58.77	-40	-18.77
2	10875	42.64	-95.26	-52.62	-40	-12.62
3	14500	46.46	-95.26	-48.80	-40	-8.80
4	18125	48.49	-95.26	-46.77	-40	-6.77
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7250	36.28	-95.26	-58.98	-40	-18.98
2	10875	42.67	-95.26	-52.59	-40	-12.59
3	14500	46.11	-95.26	-49.15	-40	-9.15
4	18125	48.1	-95.26	-47.16	-40	-7.16

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

Mode	TX High	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7390	36.48	-95.26	-58.78	-40	-18.78
2	11085	42.93	-95.26	-52.33	-40	-12.33
3	14780	46.17	-95.26	-49.09	-40	-9.09
4	18475	48.19	-95.26	-47.07	-40	-7.07
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7390	36.49	-95.26	-58.77	-40	-18.77
2	11085	42.94	-95.26	-52.32	-40	-12.32
3	14780	46.12	-95.26	-49.14	-40	-9.14
4	18475	48.22	-95.26	-47.04	-40	-7.04

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

15MHz

Mode	TX Low	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7115	36.36	-95.26	-58.90	-40	-18.90
2	10672.5	42.66	-95.26	-52.60	-40	-12.60
3	14230	46.42	-95.26	-48.84	-40	-8.84
4	17787.5	48.1	-95.26	-47.16	-40	-7.16
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7115	36.5	-95.26	-58.76	-40	-18.76
2	10672.5	42.99	-95.26	-52.27	-40	-12.27
3	14230	46.23	-95.26	-49.03	-40	-9.03
4	17787.5	48.1	-95.26	-47.16	-40	-7.16

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

Mode	TX Middle	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7250	36.28	-95.26	-58.98	-40	-18.98
2	10875	42.68	-95.26	-52.58	-40	-12.58
3	14500	46.5	-95.26	-48.76	-40	-8.76
4	18125	48.36	-95.26	-46.90	-40	-6.90
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7250	36.66	-95.26	-58.60	-40	-18.60
2	10875	43.01	-95.26	-52.25	-40	-12.25
3	14500	46.13	-95.26	-49.13	-40	-9.13
4	18125	48.12	-95.26	-47.14	-40	-7.14

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

Mode	TX High	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7385	36.57	-95.26	-58.69	-40	-18.69
2	11077.5	42.69	-95.26	-52.57	-40	-12.57
3	14770	46.2	-95.26	-49.06	-40	-9.06
4	18462.5	48.06	-95.26	-47.20	-40	-7.20
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7385	36.28	-95.26	-58.98	-40	-18.98
2	11077.5	42.69	-95.26	-52.57	-40	-12.57
3	14770	46.27	-95.26	-48.99	-40	-8.99
4	18462.5	48.11	-95.26	-47.15	-40	-7.15

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

20MHz

Mode	TX Low	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7120	36.63	-95.26	-58.63	-40	-18.63
2	10680	42.63	-95.26	-52.63	-40	-12.63
3	14240	46.04	-95.26	-49.22	-40	-9.22
4	17800	48.19	-95.26	-47.07	-40	-7.07
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7120	36.62	-95.26	-58.64	-40	-18.64
2	10680	42.71	-95.26	-52.55	-40	-12.55
3	14240	46.15	-95.26	-49.11	-40	-9.11
4	17800	48.32	-95.26	-46.94	-40	-6.94

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

Mode	TX Middle	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7250	36.71	-95.26	-58.55	-40	-18.55
2	10875	42.91	-95.26	-52.35	-40	-12.35
3	14500	46.5	-95.26	-48.76	-40	-8.76
4	18125	48.32	-95.26	-46.94	-40	-6.94
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7250	36.69	-95.26	-58.57	-40	-18.57
2	10875	42.68	-95.26	-52.58	-40	-12.58
3	14500	46.3	-95.26	-48.96	-40	-8.96
4	18125	48.27	-95.26	-46.99	-40	-6.99

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

Mode	TX High	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7380	36.68	-95.26	-58.58	-40	-18.58
2	11070	42.84	-95.26	-52.42	-40	-12.42
3	14760	46.32	-95.26	-48.94	-40	-8.94
4	18450	48.31	-95.26	-46.95	-40	-6.95
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7380	36.66	-95.26	-58.60	-40	-18.60
2	11070	43.03	-95.26	-52.23	-40	-12.23
3	14760	46.13	-95.26	-49.13	-40	-9.13
4	18450	48.1	-95.26	-47.16	-40	-7.16

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

20MHz+20MHz

Mode	Worse case	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7120	36.52	-95.26	-58.74	-40	-18.74
2	10680	36.55	-95.26	-58.71	-40	-18.71
3	14240	42.32	-95.26	-52.94	-40	-12.94
4	17800	43.33	-95.26	-51.93	-40	-11.93
Antenna Polarity & Test Distance: Vertical at 3 M						
No.	Freq. (MHz)	Reading (dB μ V/m)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	7120	36.52	-95.26	-58.74	-40	-18.74
2	10680	36.55	-95.26	-58.71	-40	-18.71
3	14240	42.32	-95.26	-52.94	-40	-12.94
4	17800	43.33	-95.26	-51.93	-40	-11.93

Remarks:

1. Follow ANSI 63.26 section 5.2.7 d), Emission Value (dBm) = E (dBμV/m) + Correction Factor @ 3m.

2. Correction Factor (dB) = 20log(D) − 104.8; where D is the measurement distance @3m

5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

Appendix – Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

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The address and road map of all our labs can be found in our web site also.

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