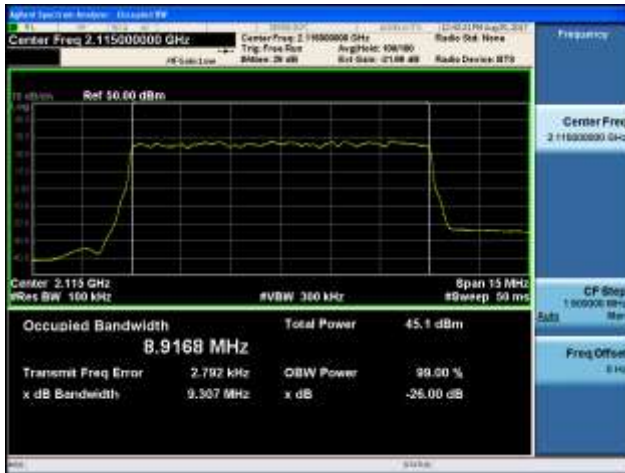
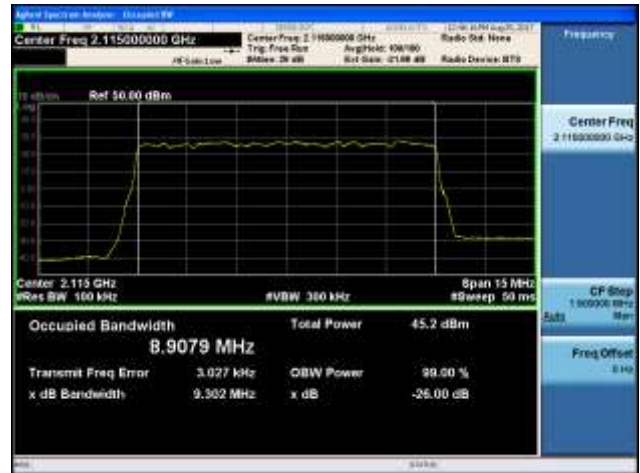


Band 66, BW 10MHz + BW 10MHz, Multi 2 carrier(Non-Contiguous), 4TX, Bottom

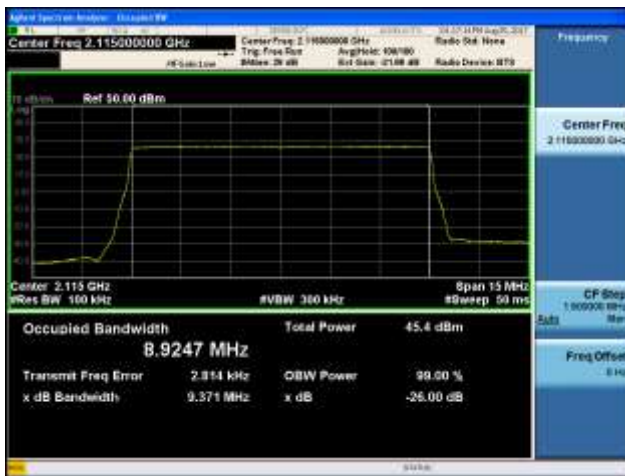
QPSK



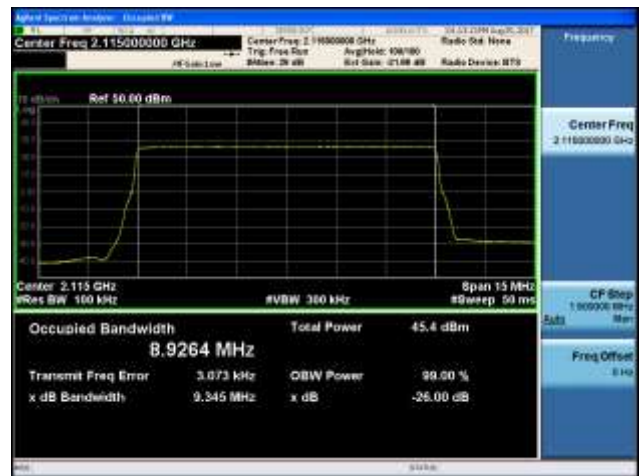
16QAM



64QAM

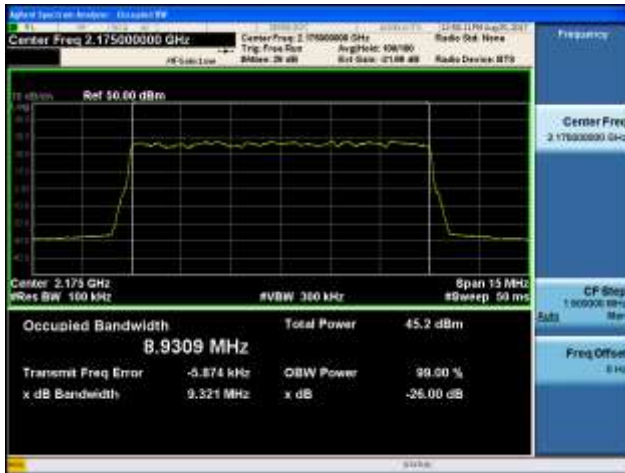


256QAM

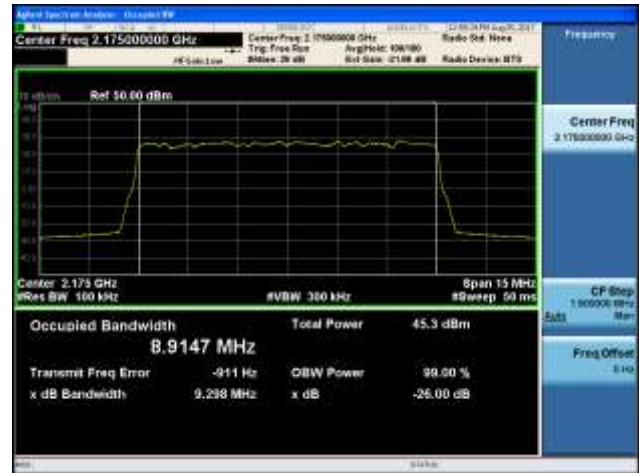


Band 66, BW 10MHz + BW 10MHz, Multi 2 carrier(Non-Contiguous), 4TX, Top

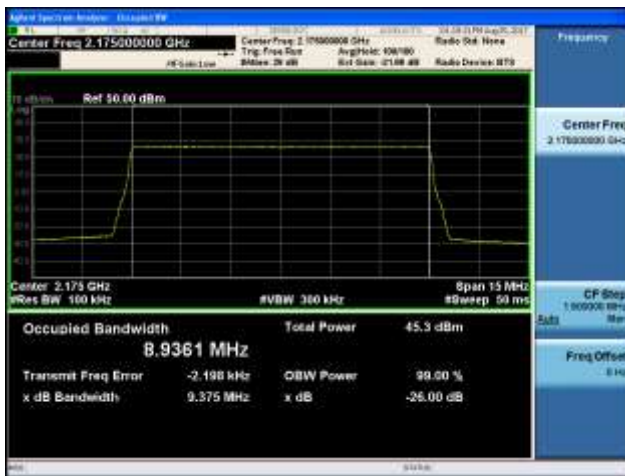
QPSK



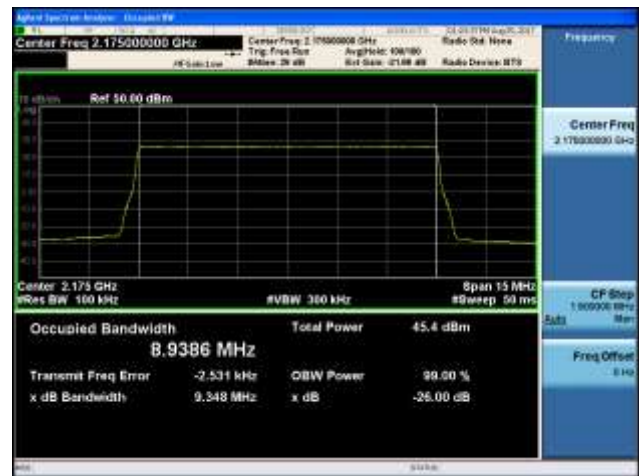
16QAM



64QAM

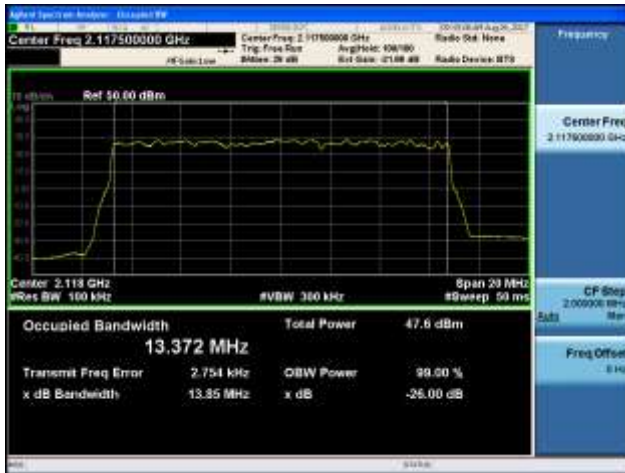


256QAM

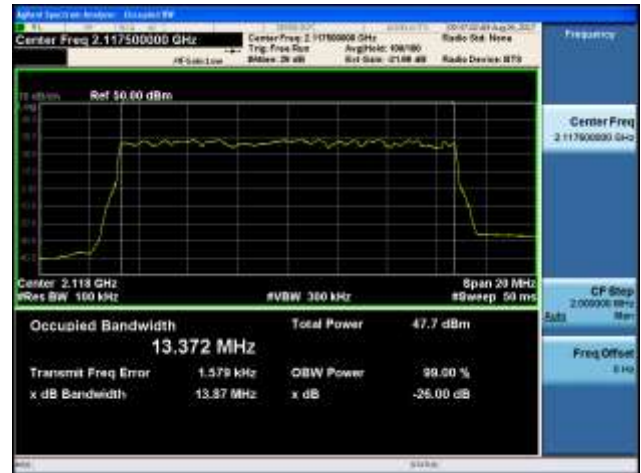


Band 66, BW 15MHz + BW 10MHz, Multi 2 carrier(Non-Contiguous), 2TX, Bottom

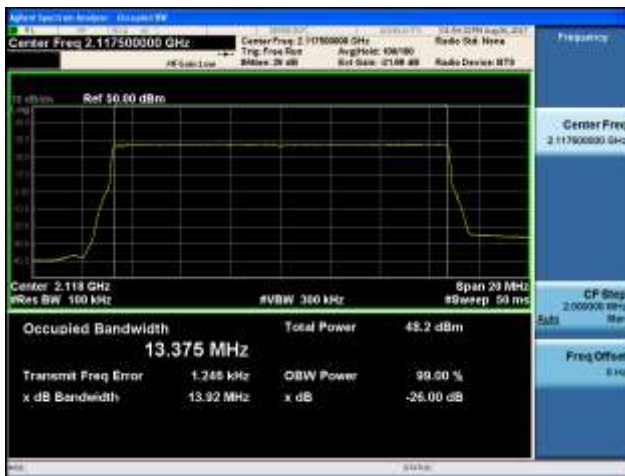
QPSK



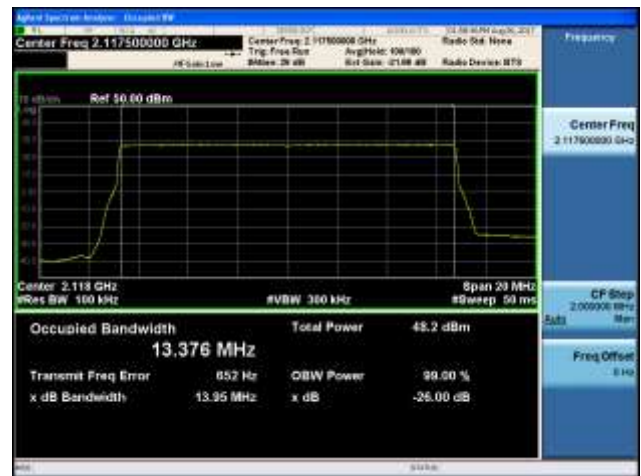
16QAM



64QAM

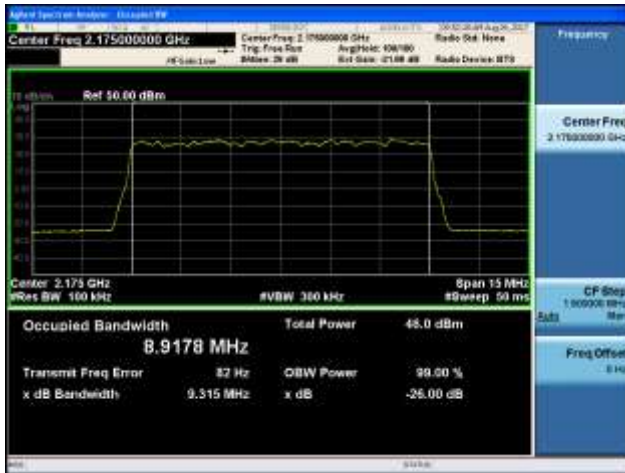


256QAM

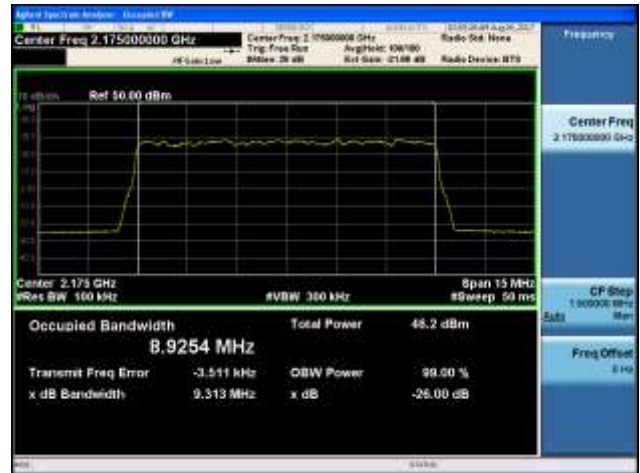


Band 66, BW 15MHz + BW 10MHz, Multi 2 carrier(Non-Contiguous), 2TX, Top

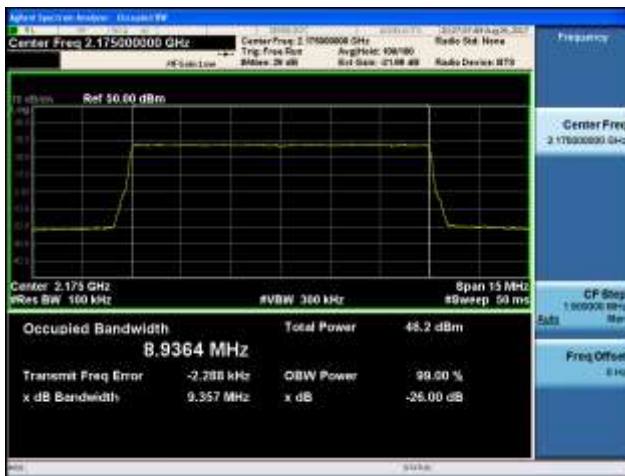
QPSK



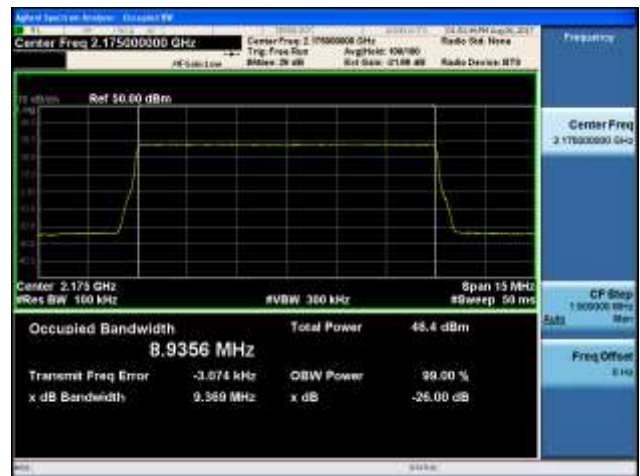
16QAM



64QAM

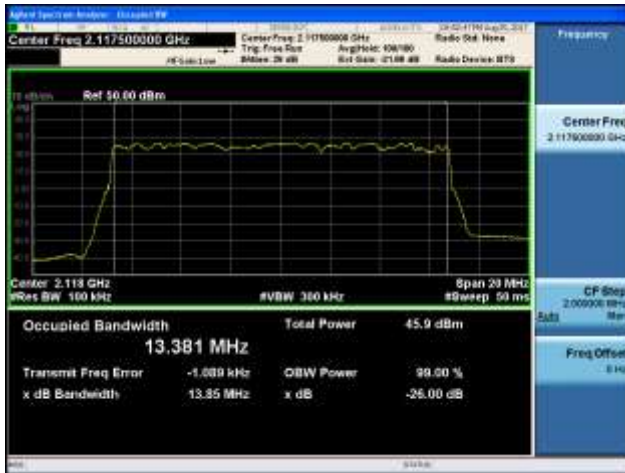


256QAM

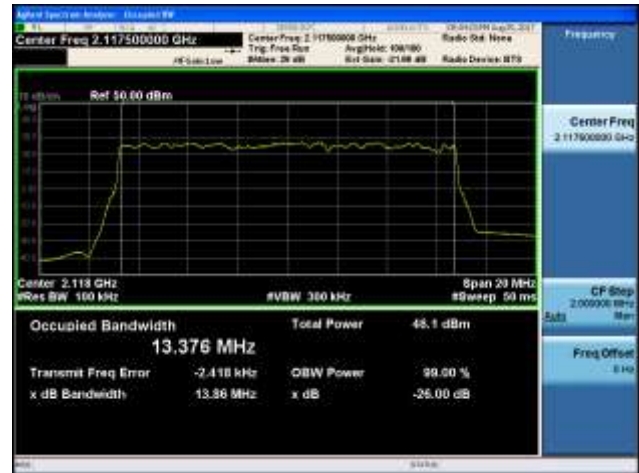


Band 66, BW 15MHz + BW 10MHz, Multi 2 carrier(Non-Contiguous), 4TX, Bottom

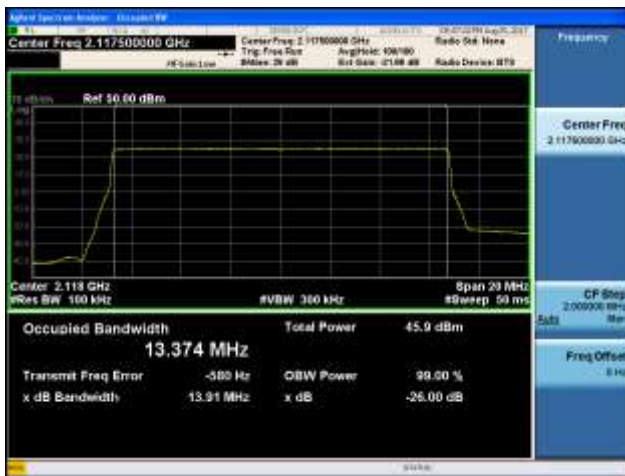
QPSK



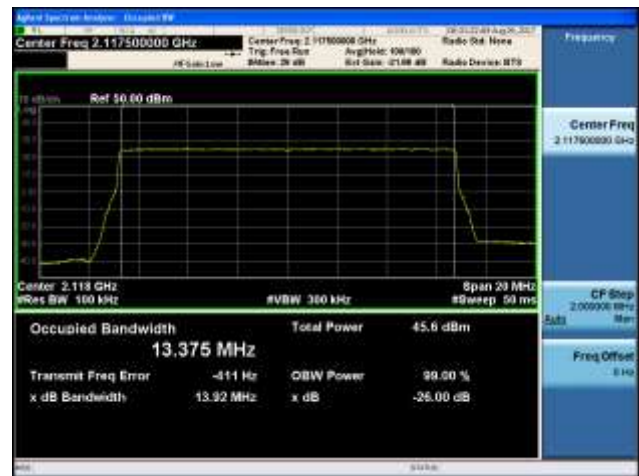
16QAM



64QAM

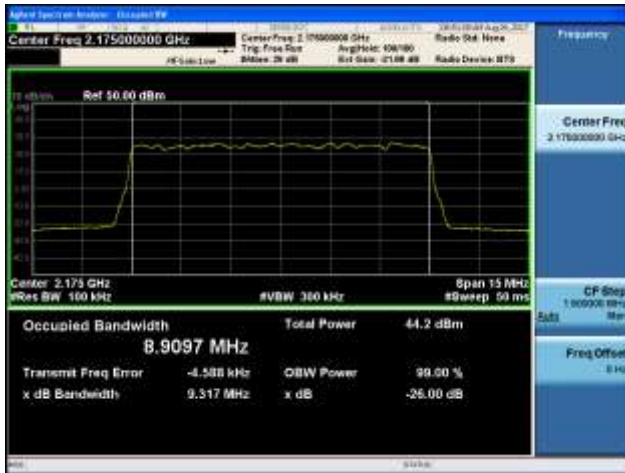


256QAM

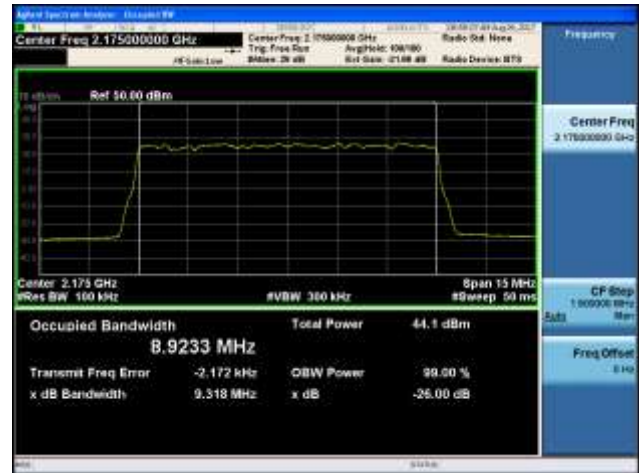


Band 66, BW 15MHz + BW 10MHz, Multi 2 carrier(Non-Contiguous), 4TX, Top

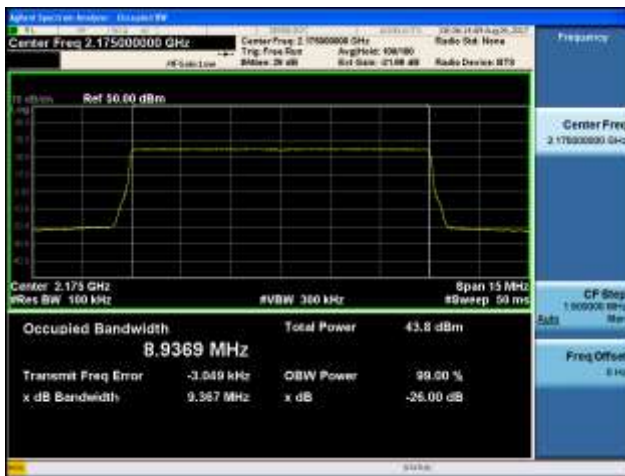
QPSK



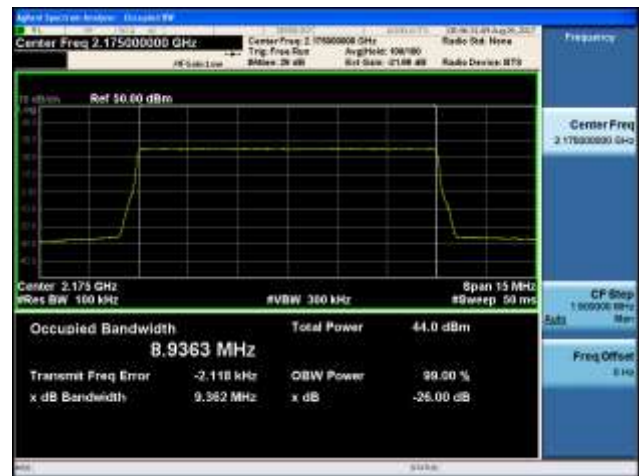
16QAM



64QAM

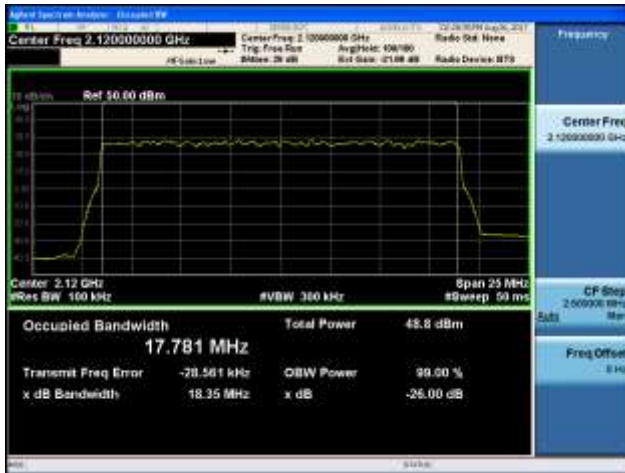


256QAM

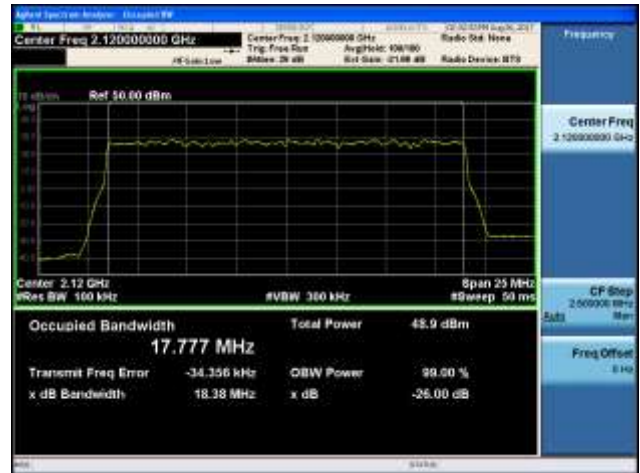


Band 66, BW 20MHz + BW 5MHz, Multi 2 carrier(Non-Contiguous), 2TX, Bottom

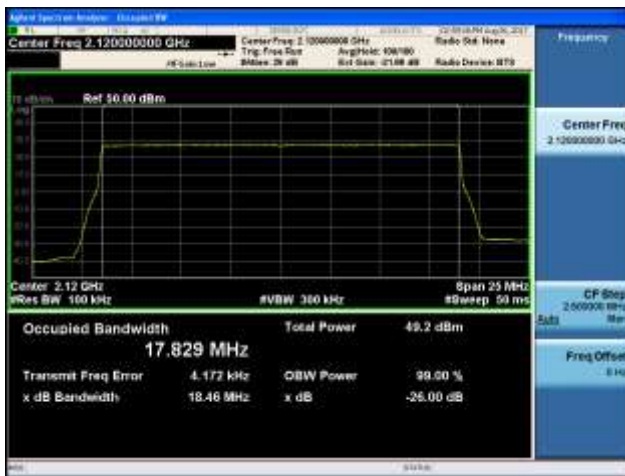
QPSK



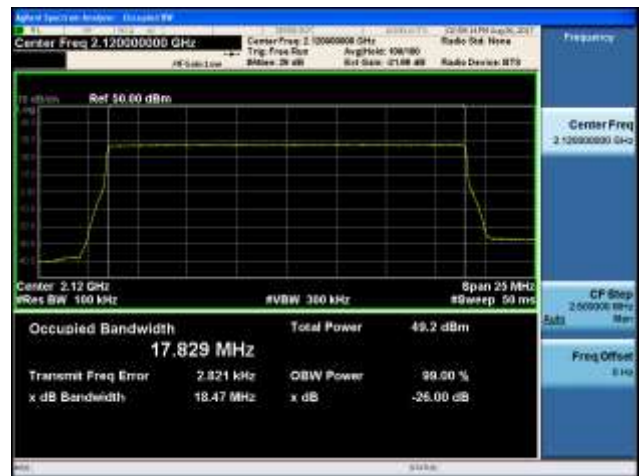
16QAM



64QAM



256QAM

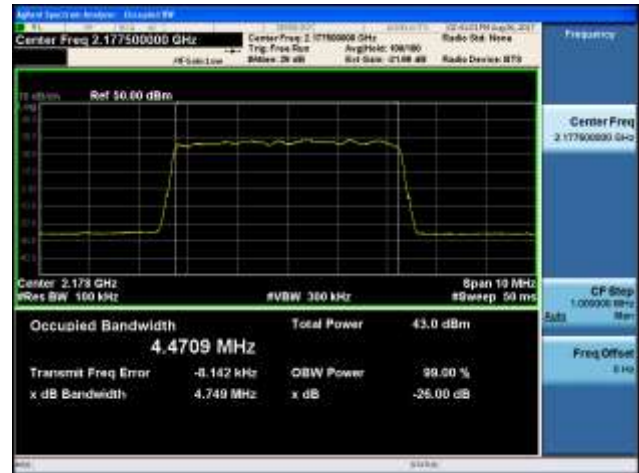


Band 66, BW 20MHz + BW 5MHz, Multi 2 carrier(Non-Contiguous), 2TX, Top

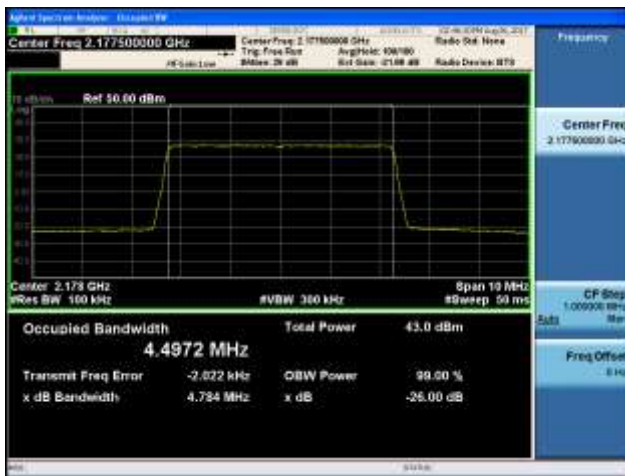
QPSK



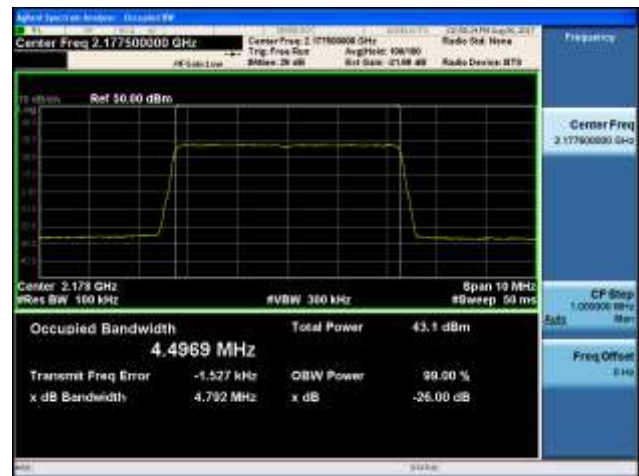
16QAM



64QAM

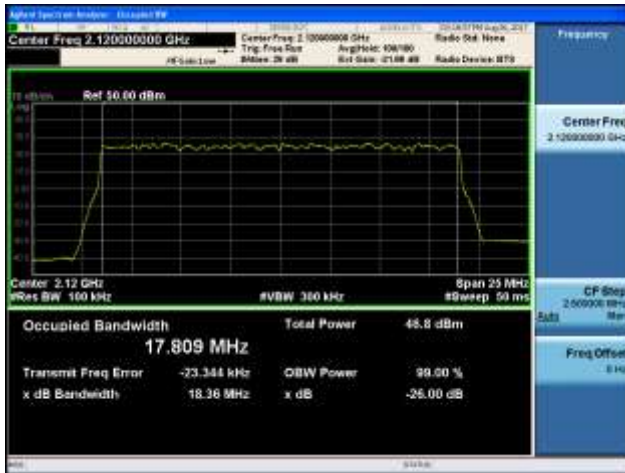


256QAM

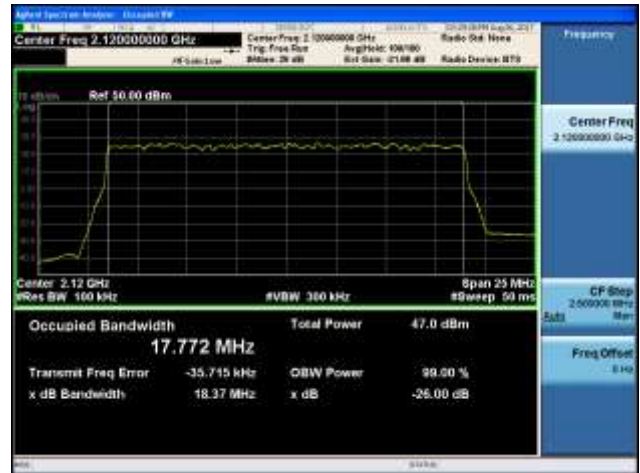


Band 66, BW 20MHz + BW 5MHz, Multi 2 carrier(Non-Contiguous), 4TX, Bottom

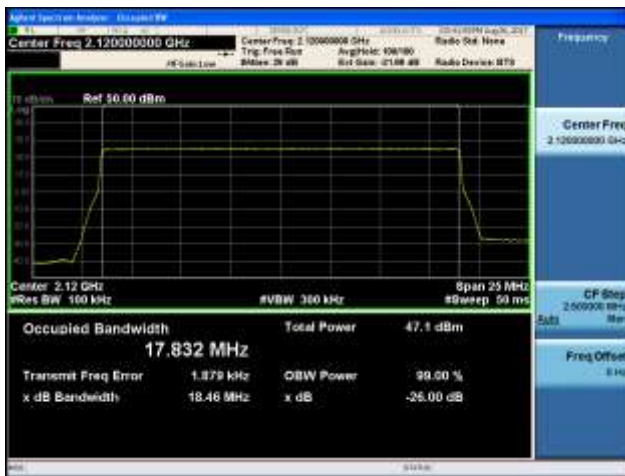
QPSK



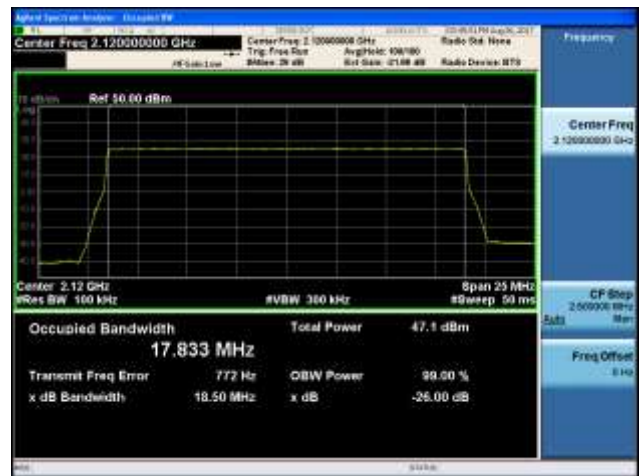
16QAM



64QAM

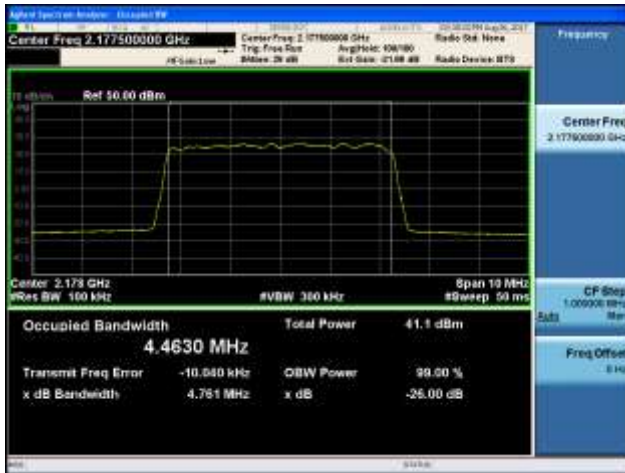


256QAM

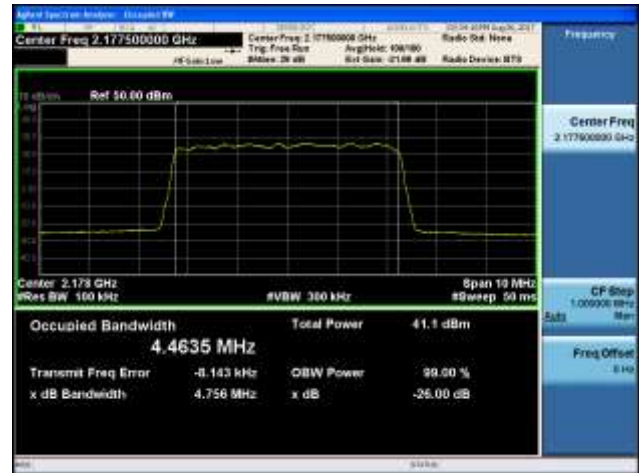


Band 66, BW 20MHz + BW 5MHz, Multi 2 carrier(Non-Contiguous), 4TX, Top

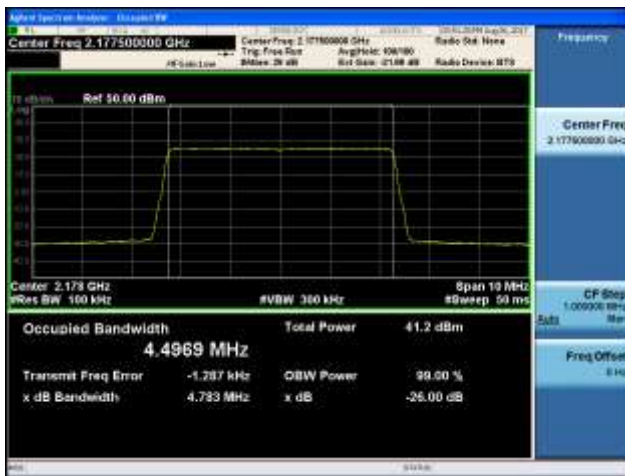
QPSK



16QAM



64QAM

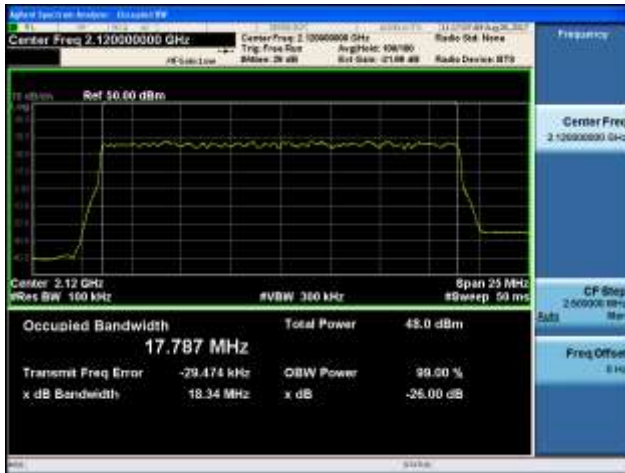


256QAM

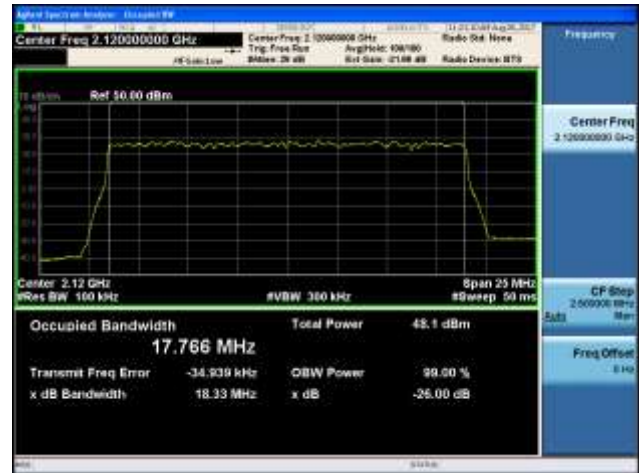


Band 66, BW 20MHz + BW 10MHz, Multi 2 carrier(Non-Contiguous), 2TX, Bottom

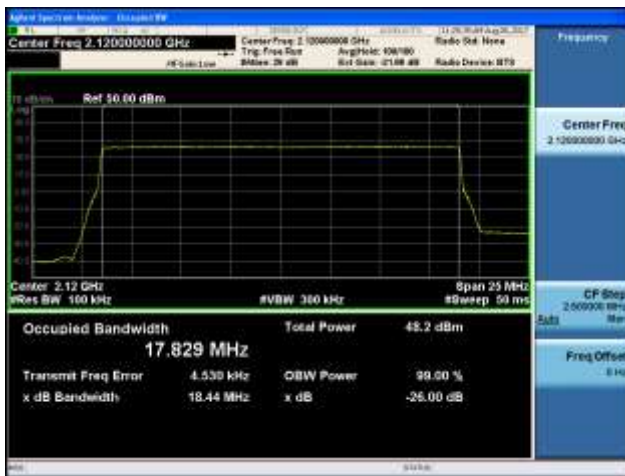
QPSK



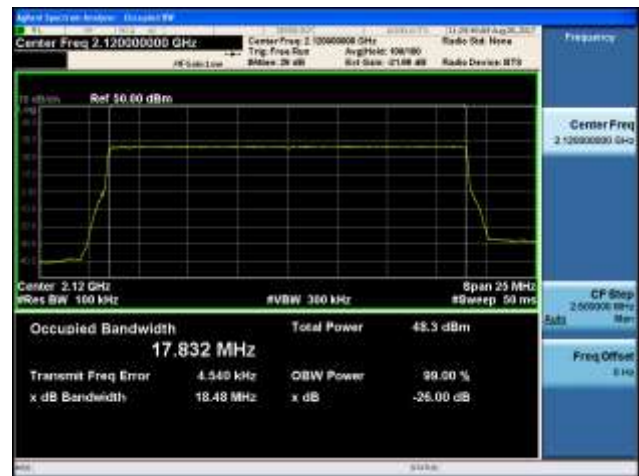
16QAM



64QAM

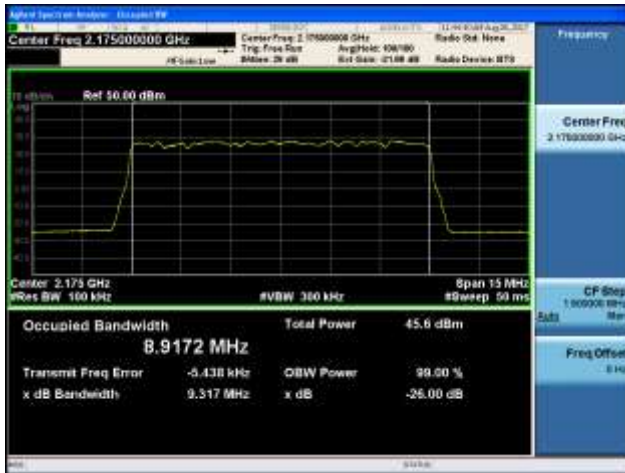


256QAM

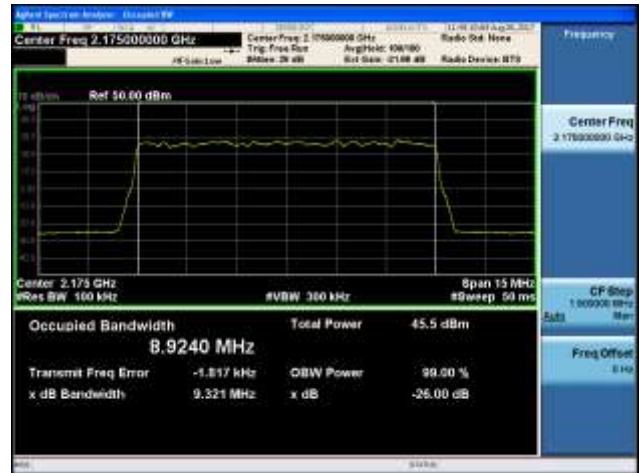


Band 66, BW 20MHz + BW 10MHz, Multi 2 carrier(Non-Contiguous), 2TX, Top

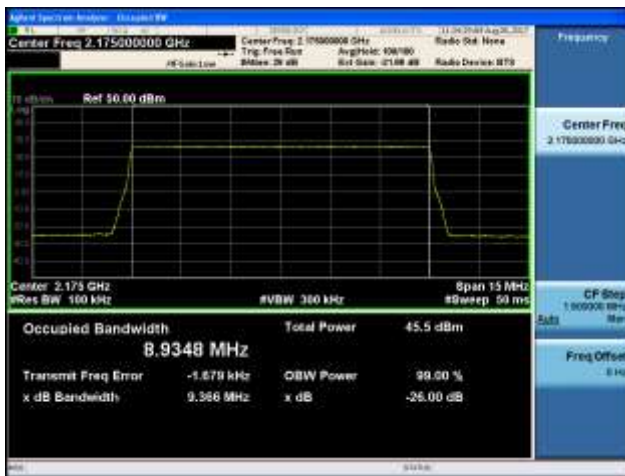
QPSK



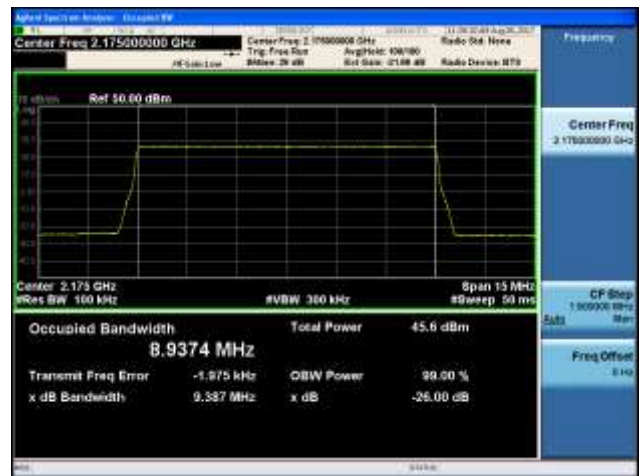
16QAM



64QAM

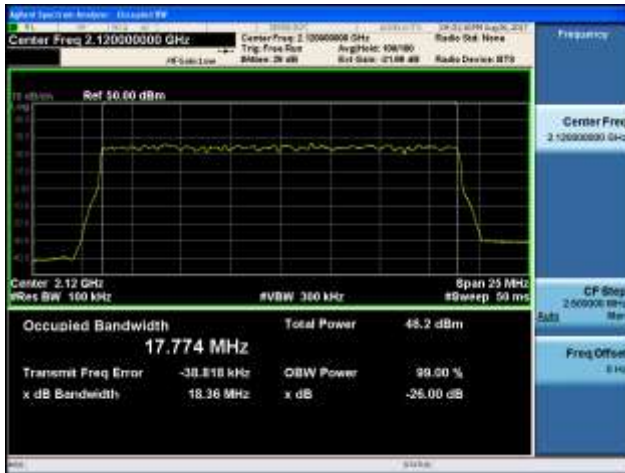


256QAM

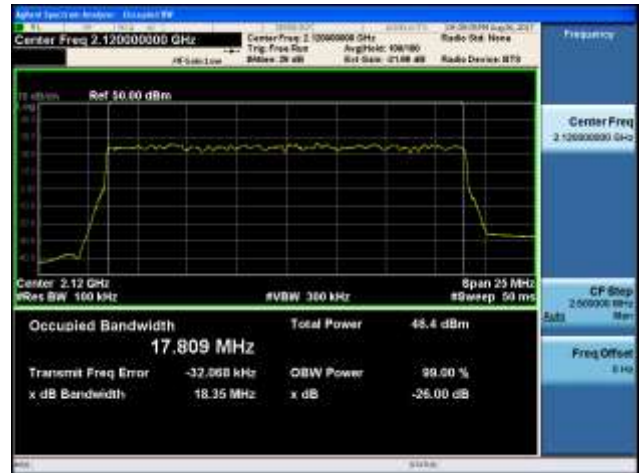


Band 66, BW 20MHz + BW 10MHz, Multi 2 carrier(Non-Contiguous), 4TX, Bottom

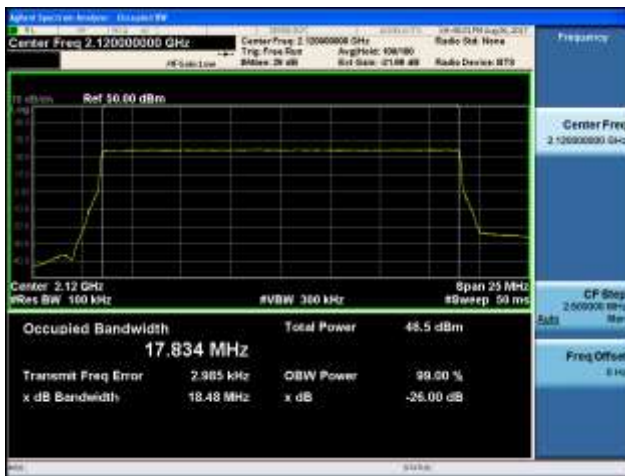
QPSK



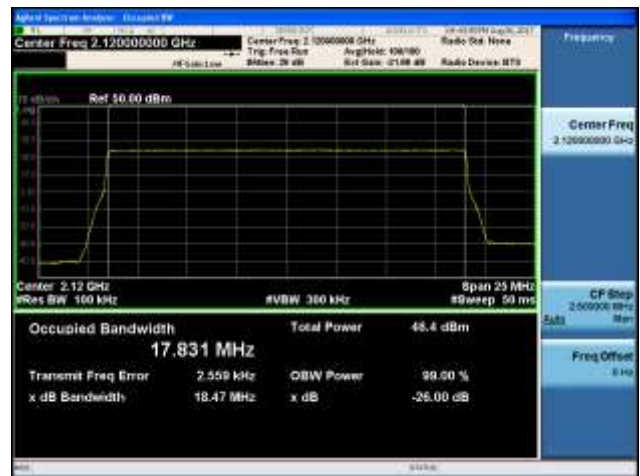
16QAM



64QAM

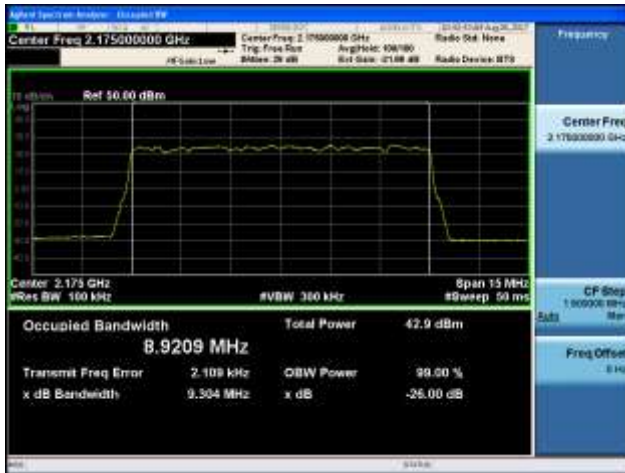


256QAM

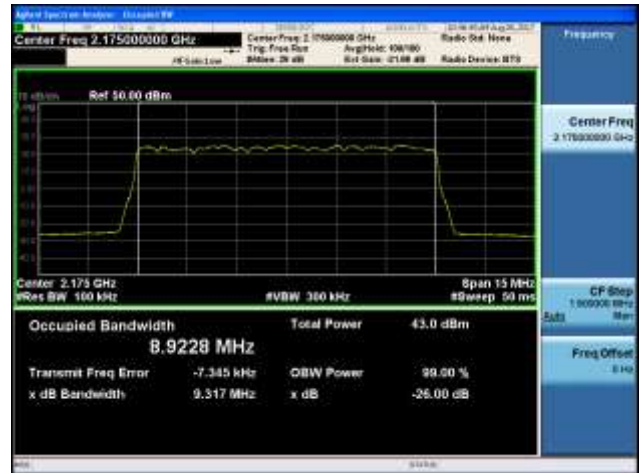


Band 66, BW 20MHz + BW 10MHz, Multi 2 carrier(Non-Contiguous), 4TX, Top

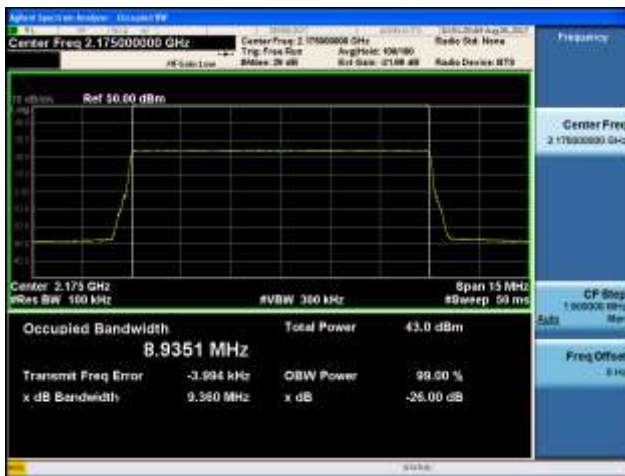
QPSK



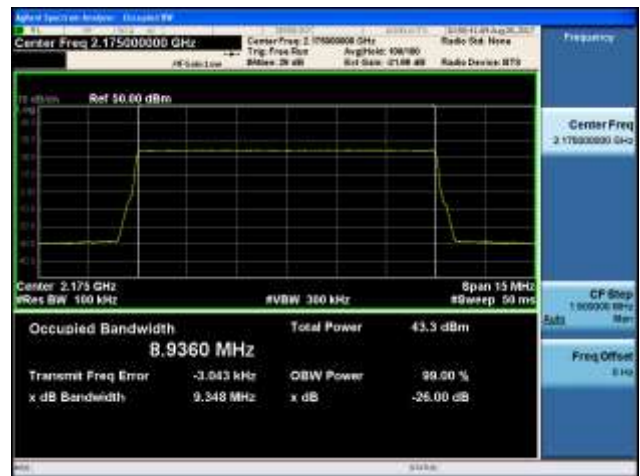
16QAM



64QAM

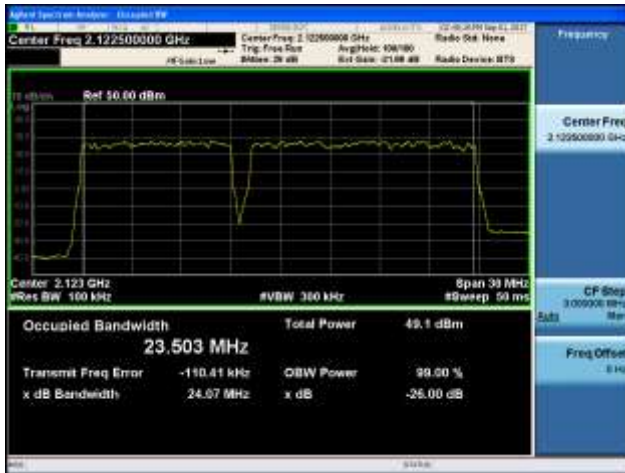


256QAM

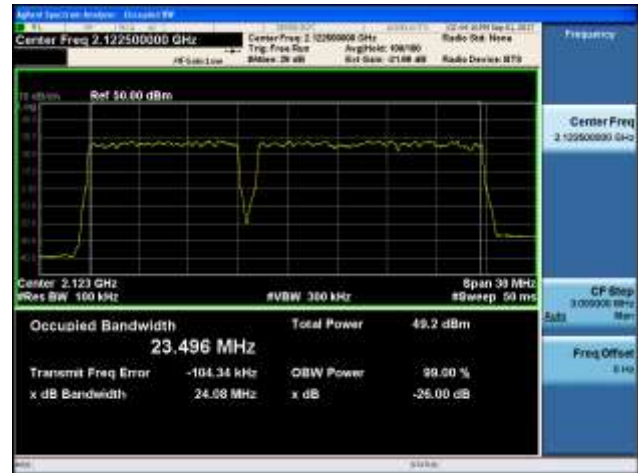


Band 66, BW 10MHz + BW 15MHz + BW 5MHz, Multi 2 carrier(Non-Contiguous), 2TX, Bottom

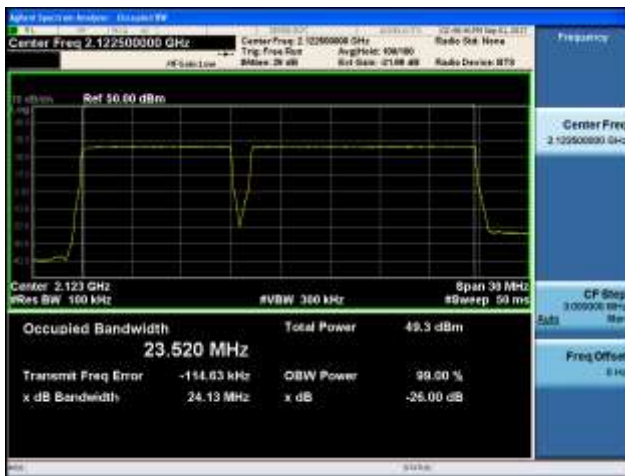
QPSK



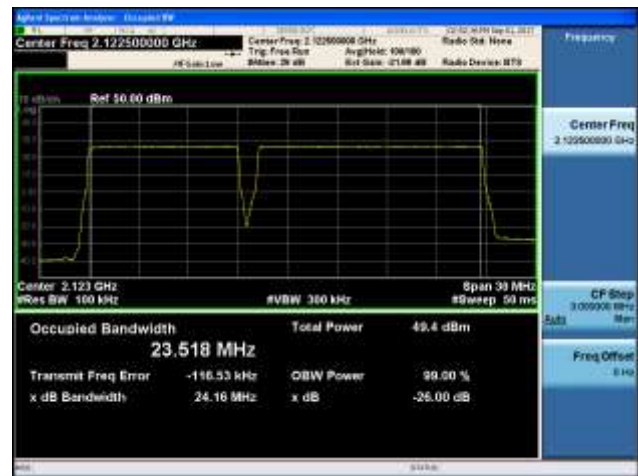
16QAM



64QAM



256QAM

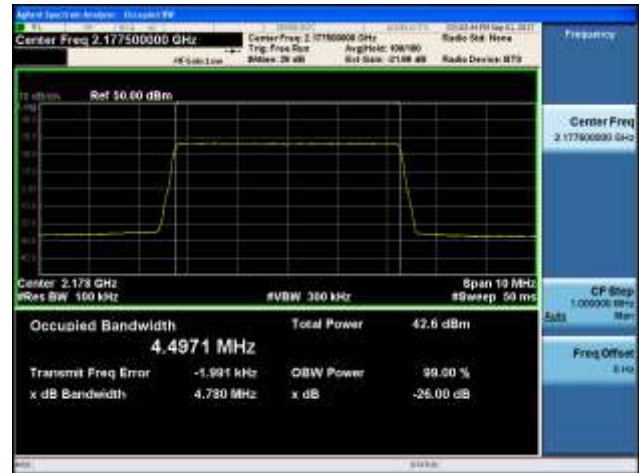


Band 66, BW 10MHz + BW 15MHz + BW 5MHz, Multi 2 carrier(Non-Contiguous), 2TX, Top

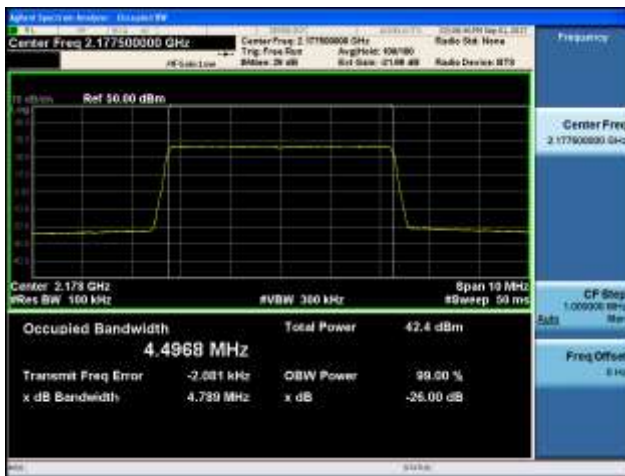
QPSK



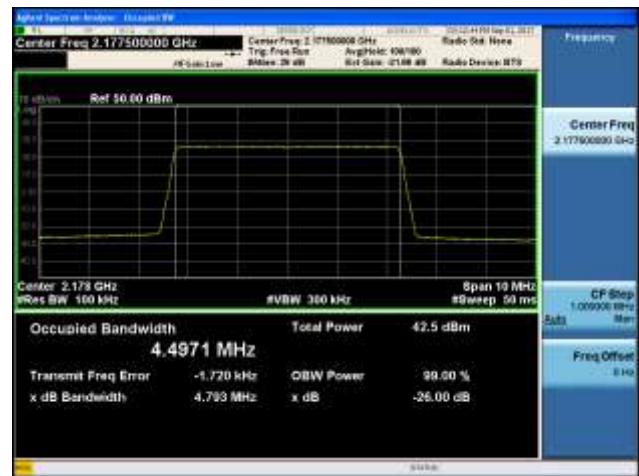
16QAM



64QAM

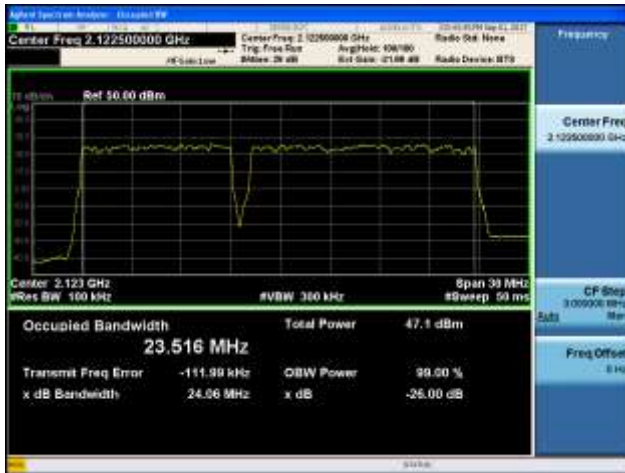


256QAM

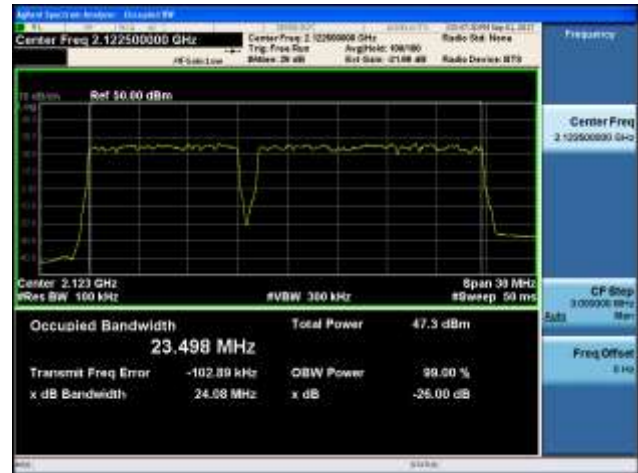


Band 66, BW 10MHz + BW 15MHz + BW 5MHz, Multi 2 carrier(Non-Contiguous), 4TX, Bottom

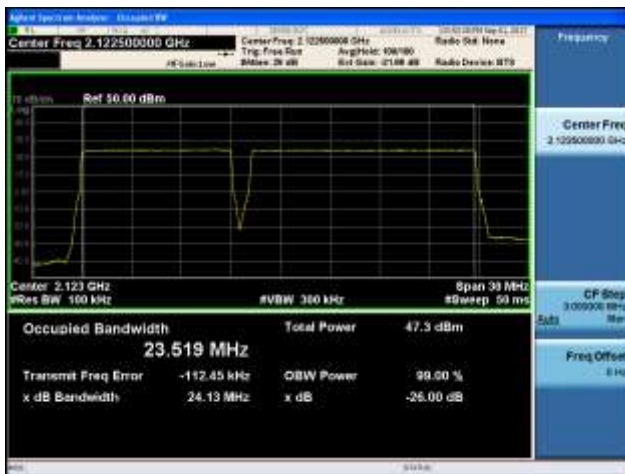
QPSK



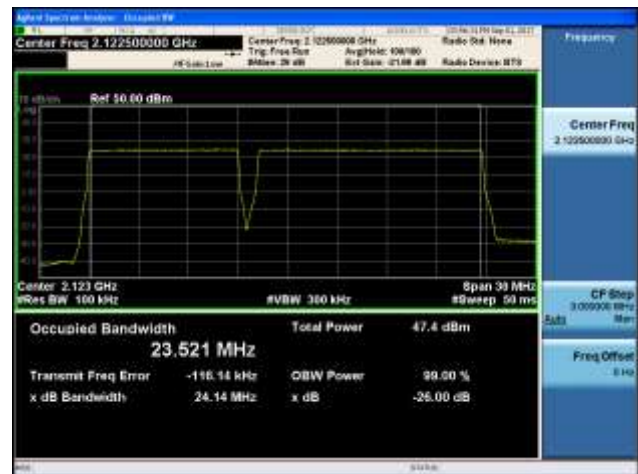
16QAM



64QAM

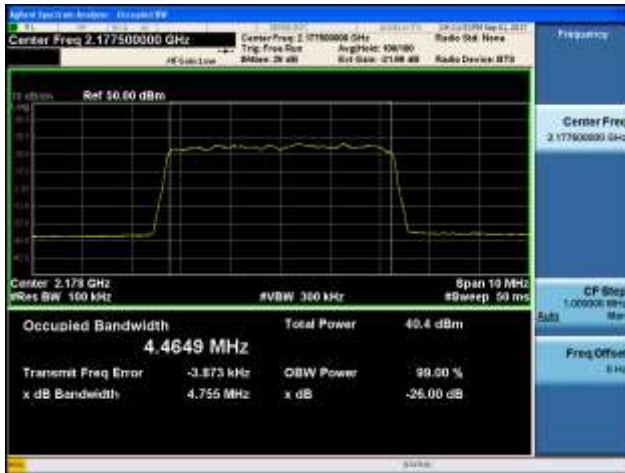


256QAM

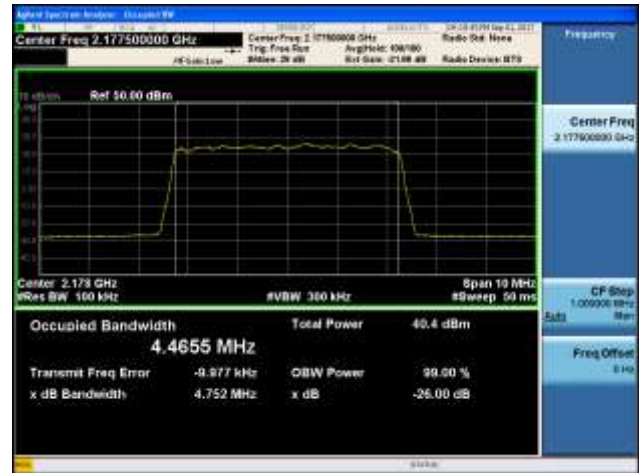


Band 66, BW 10MHz + BW 15MHz + BW 5MHz, Multi 2 carrier(Non-Contiguous), 4TX, Top

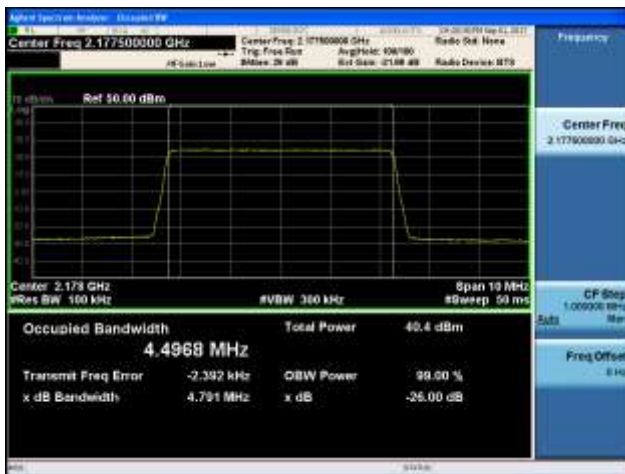
QPSK



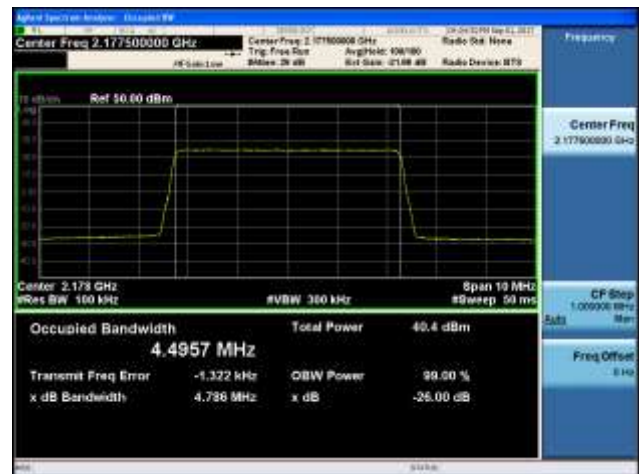
16QAM



64QAM

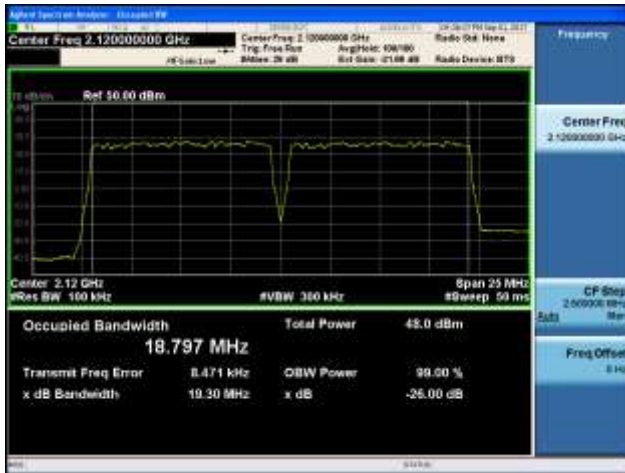


256QAM

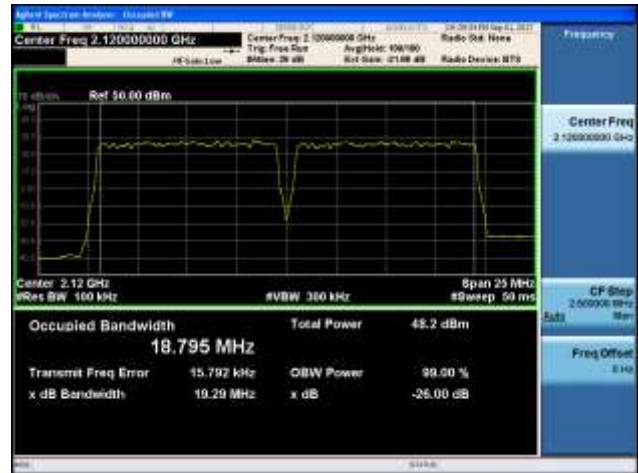


Band 66, BW 10MHz + BW 10MHz + BW 10MHz, Multi 2 carrier(Non-Contiguous), 2TX, Bottom

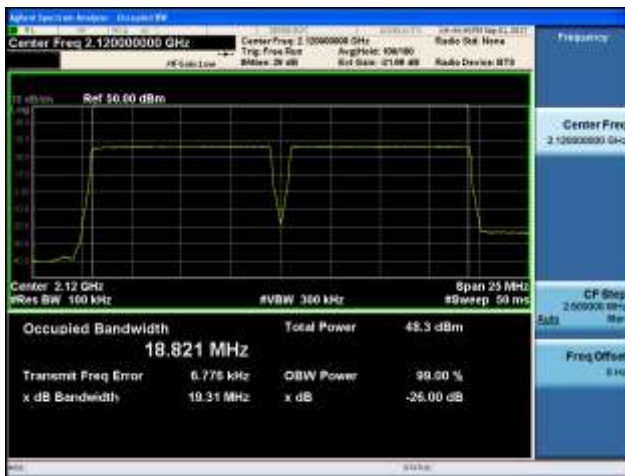
QPSK



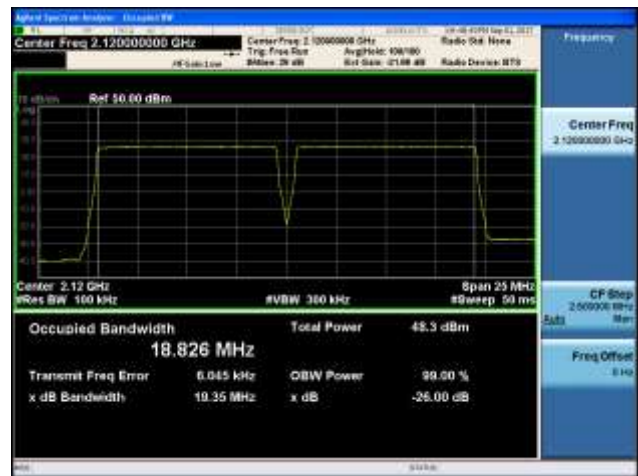
16QAM



64QAM

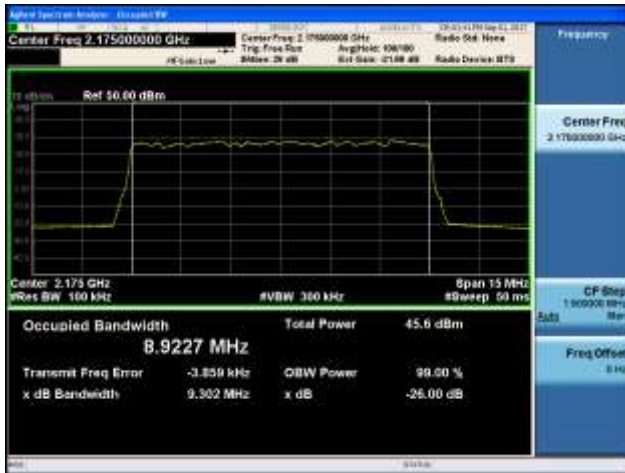


256QAM

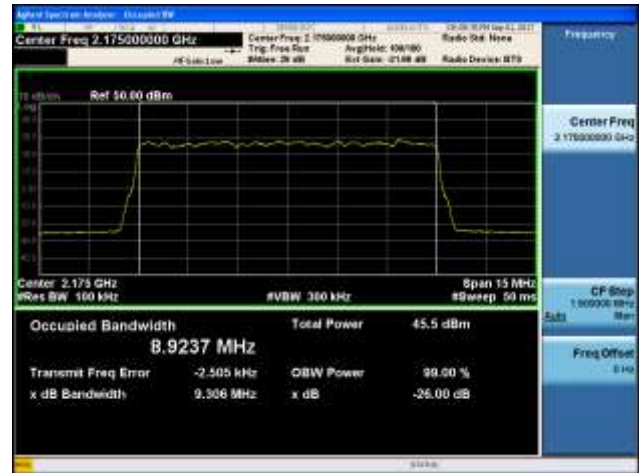


Band 66, BW 10MHz + BW 10MHz + BW 10MHz, Multi 2 carrier(Non-Contiguous), 2TX, Top

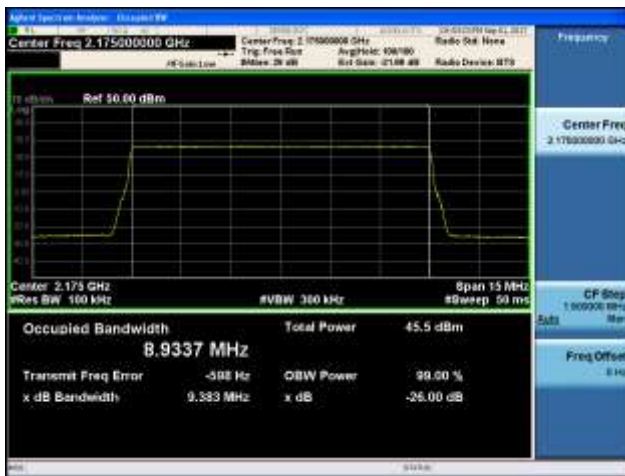
QPSK



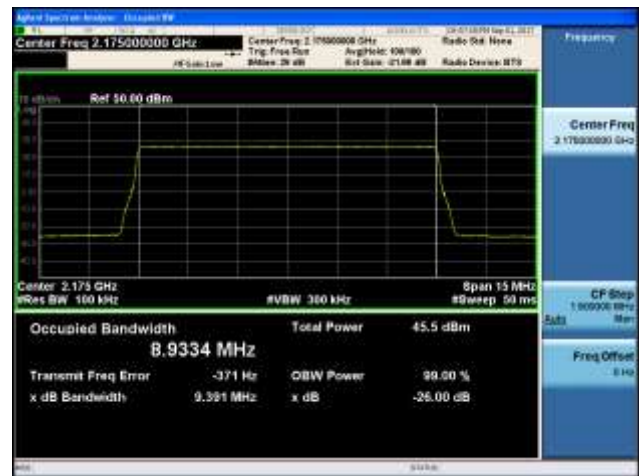
16QAM



64QAM

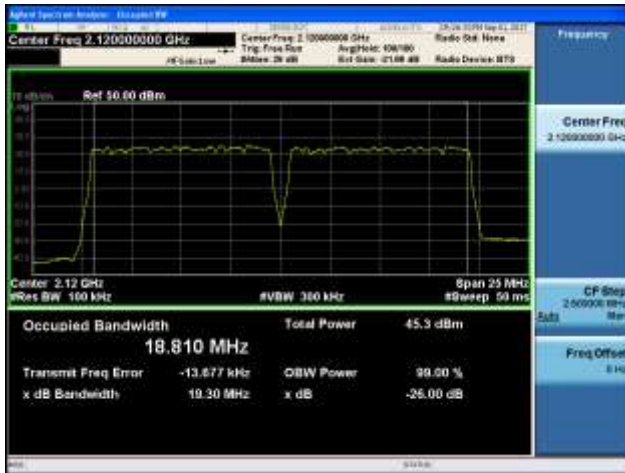


256QAM

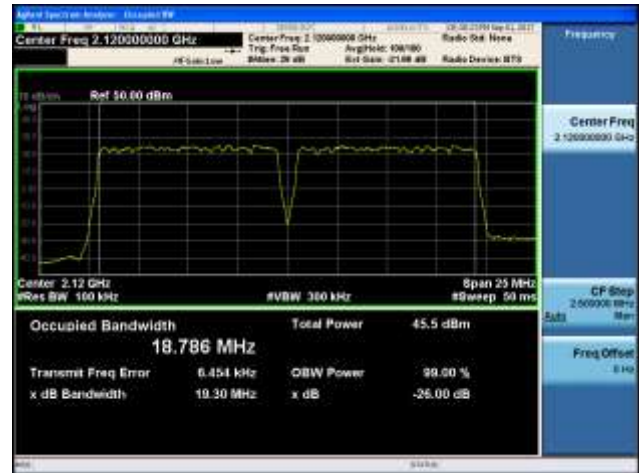


Band 66, BW 10MHz + BW 10MHz + BW 10MHz, Multi 2 carrier(Non-Contiguous), 4TX, Bottom

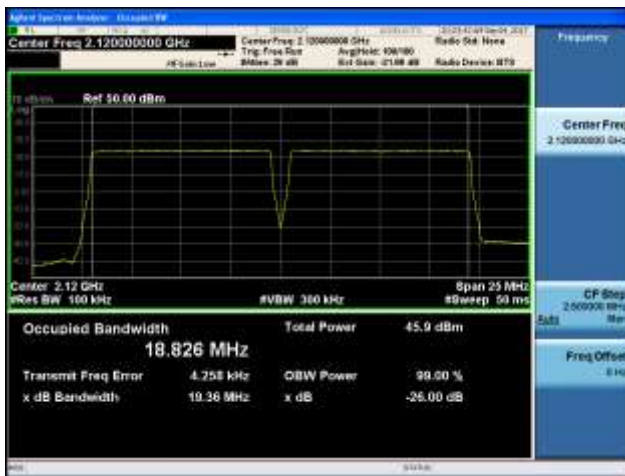
QPSK



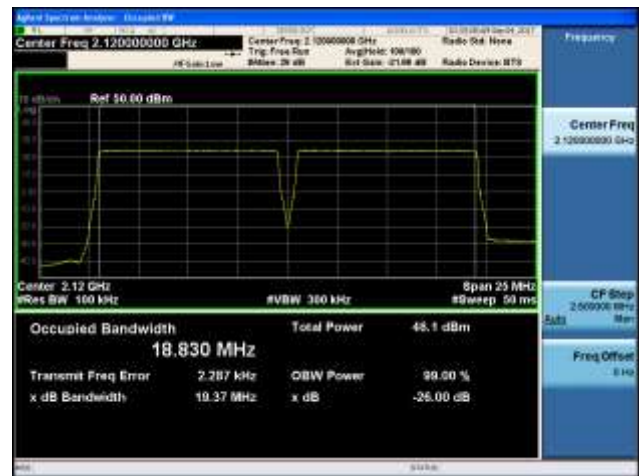
16QAM



64QAM

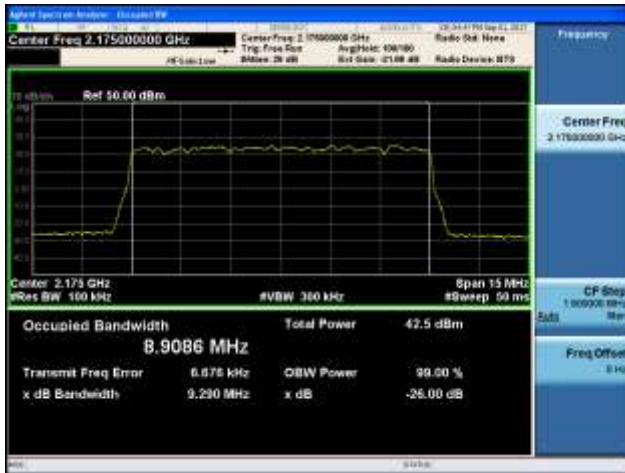


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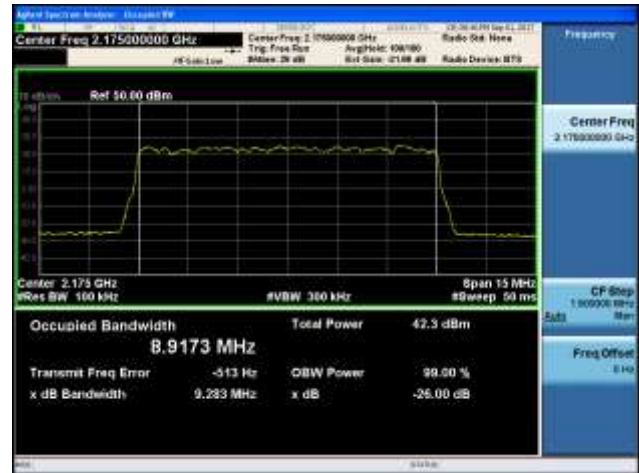


Band 66, BW 10MHz + BW 10MHz + BW 10MHz, Multi 2 carrier(Non-Contiguous), 4TX, Top

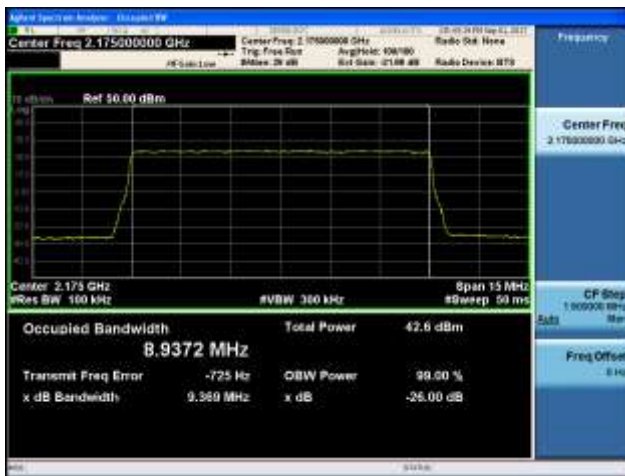
QPSK



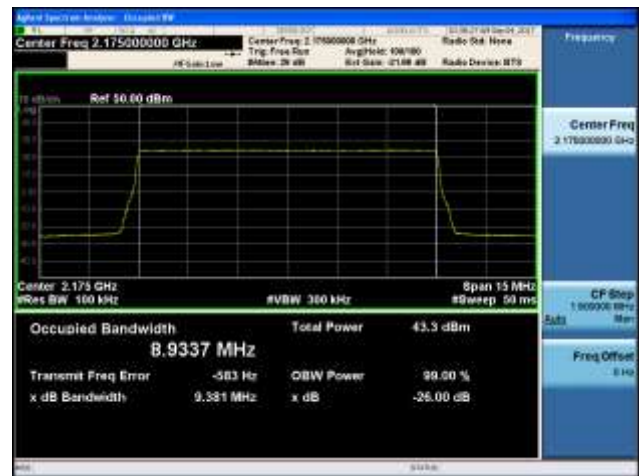
16QAM



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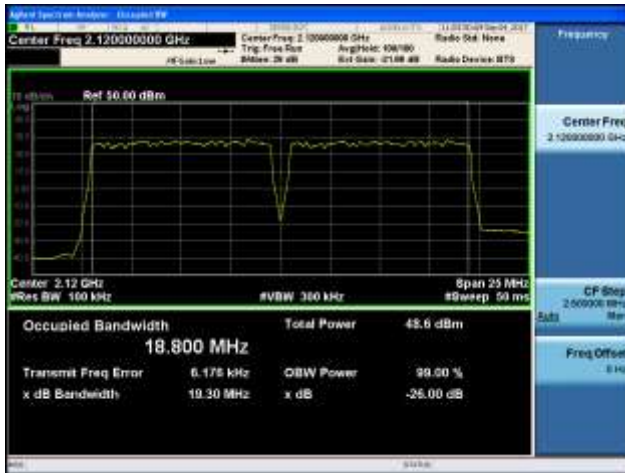


256QAM

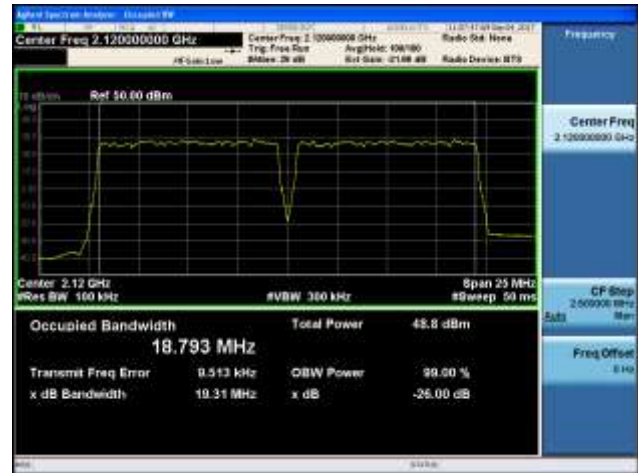


Band 66, BW 10MHz + BW 10MHz + BW 5MHz, Multi 2 carrier(Non-Contiguous), 2TX, Bottom

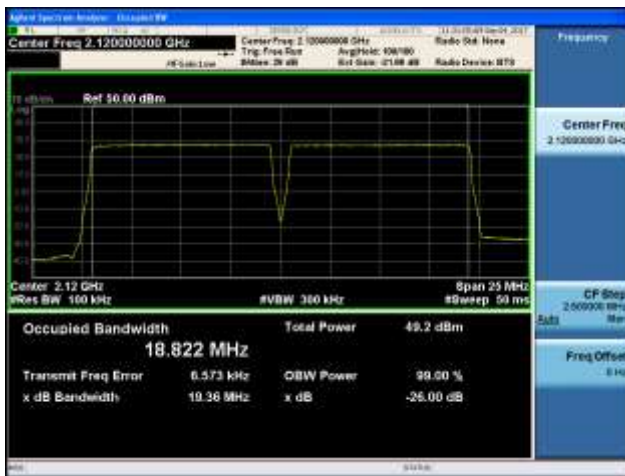
QPSK



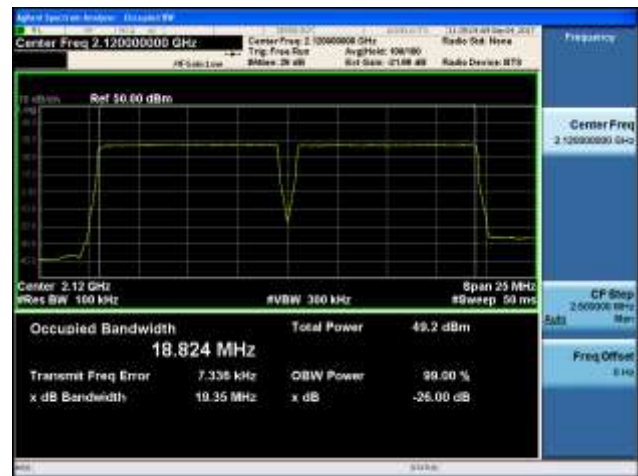
16QAM



64QAM

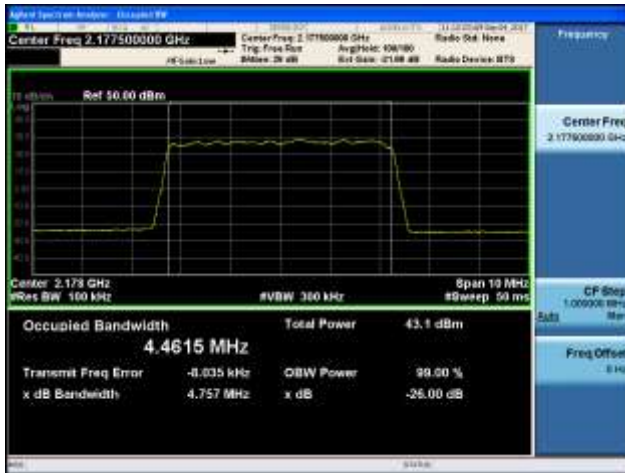


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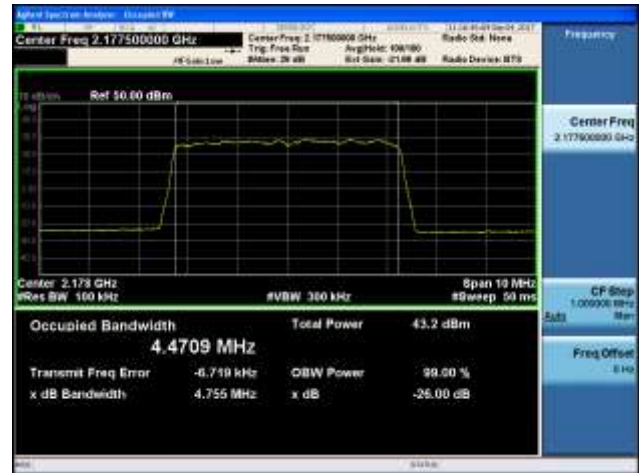


Band 66, BW 10MHz + BW 10MHz + BW 5MHz, Multi 2 carrier(Non-Contiguous), 2TX, Top

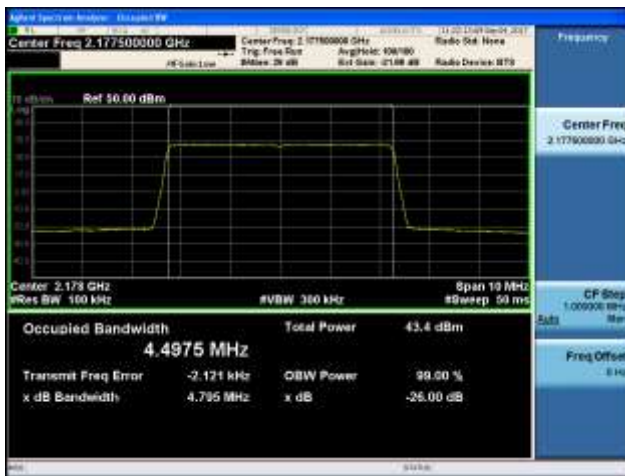
QPSK



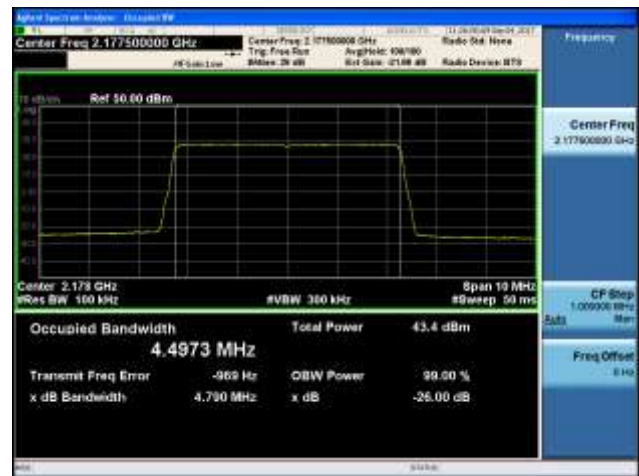
16QAM



64QAM

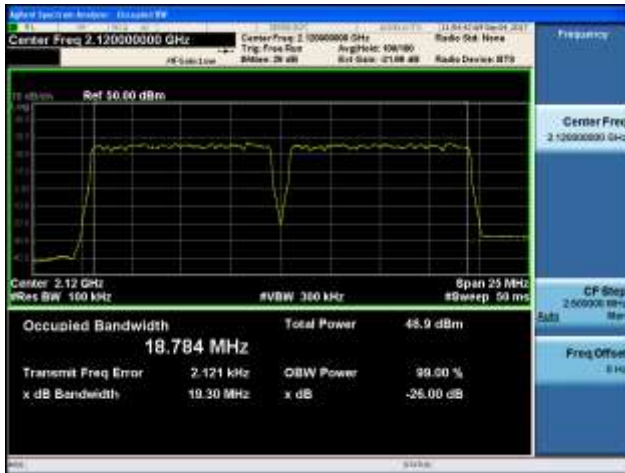


256QAM

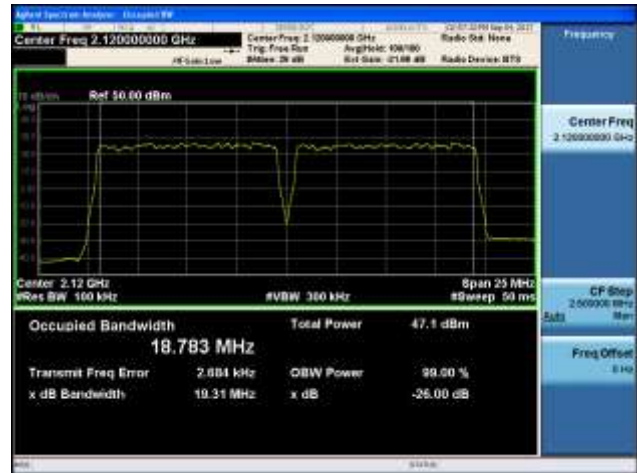


Band 66, BW 10MHz + BW 10MHz + BW 5MHz, Multi 2 carrier(Non-Contiguous), 4TX, Bottom

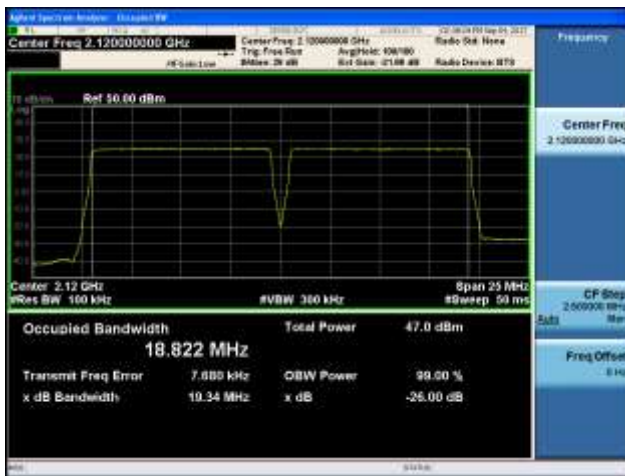
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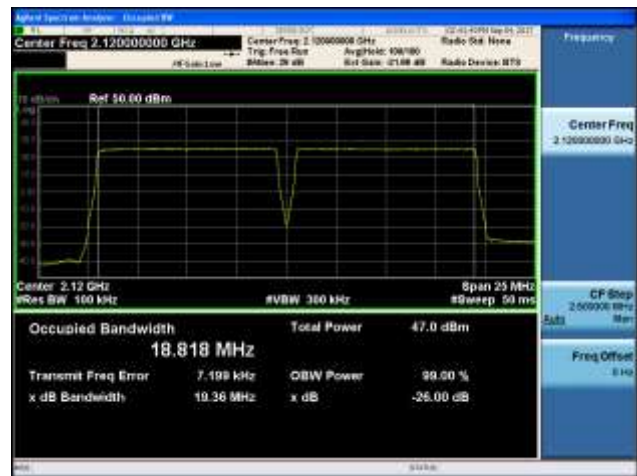
16QAM



64QAM

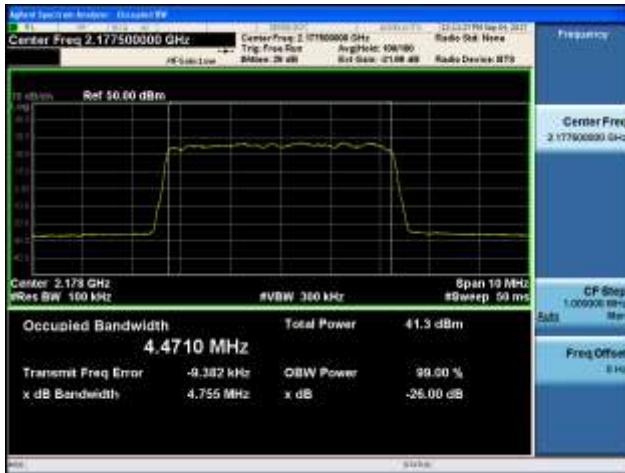


256QAM

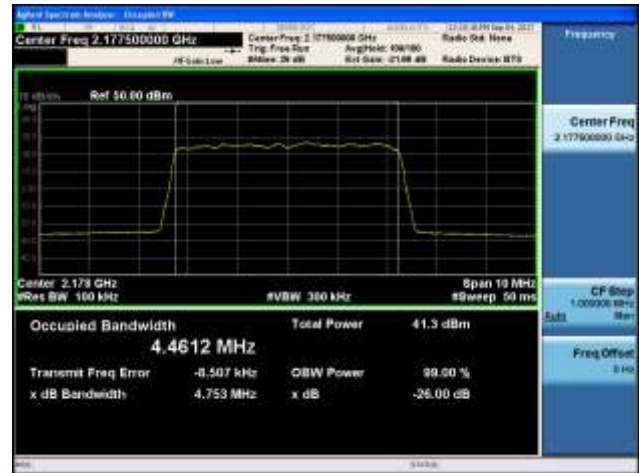


Band 66, BW 10MHz + BW 10MHz + BW 5MHz, Multi 2 carrier(Non-Contiguous), 4TX, Top

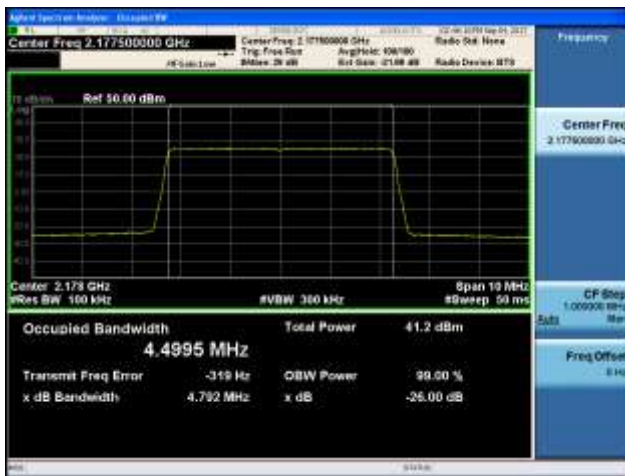
QPSK



16QAM



64QAM

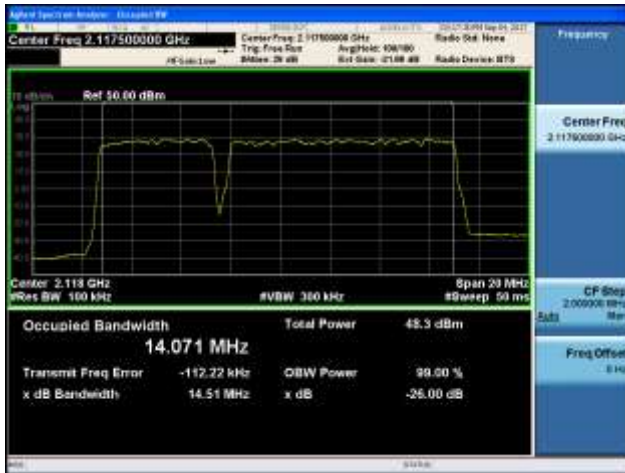


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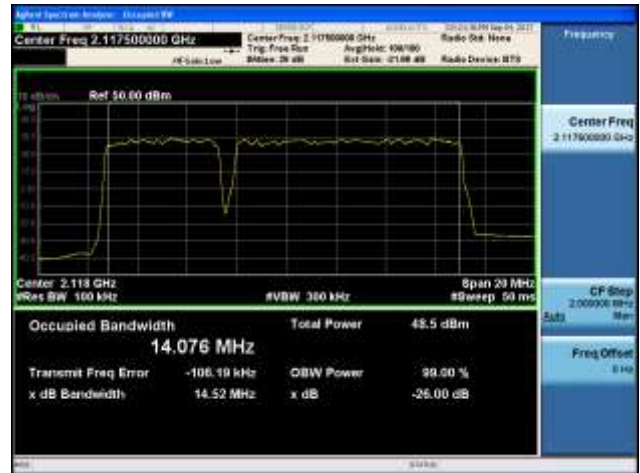


Band 66, BW 5MHz + BW 10MHz + BW 5MHz, Multi 2 carrier(Non-Contiguous), 2TX, Bottom

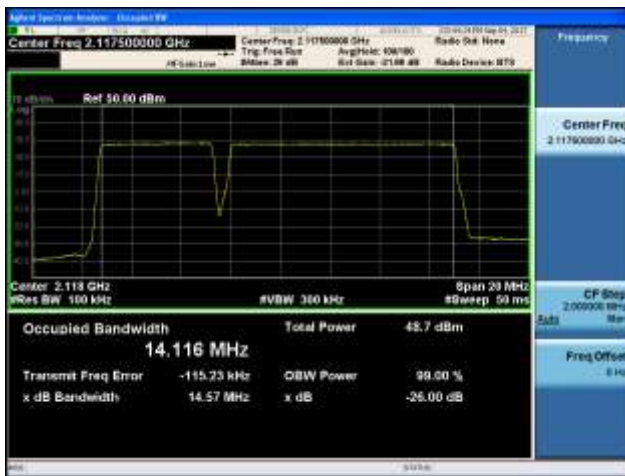
QPSK



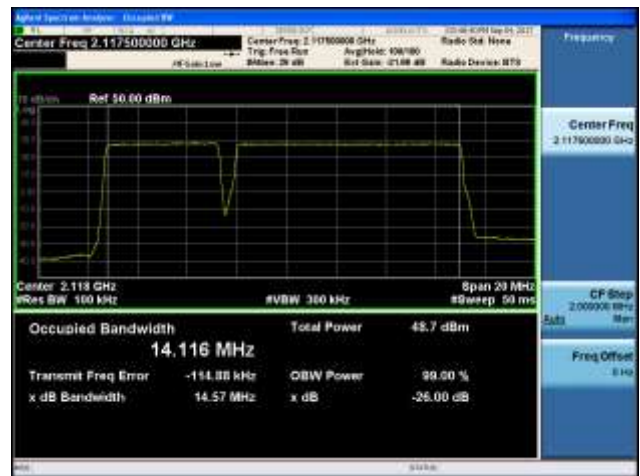
16QAM



64QAM



256QAM

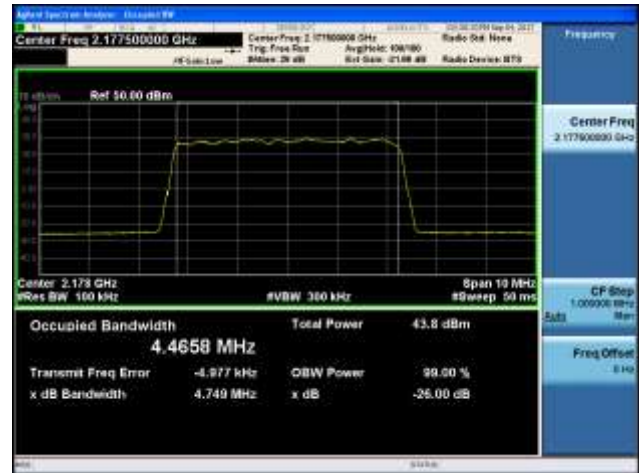


Band 66, BW 5MHz + BW 10MHz + BW 5MHz, Multi 2 carrier(Non-Contiguous), 2TX, Top

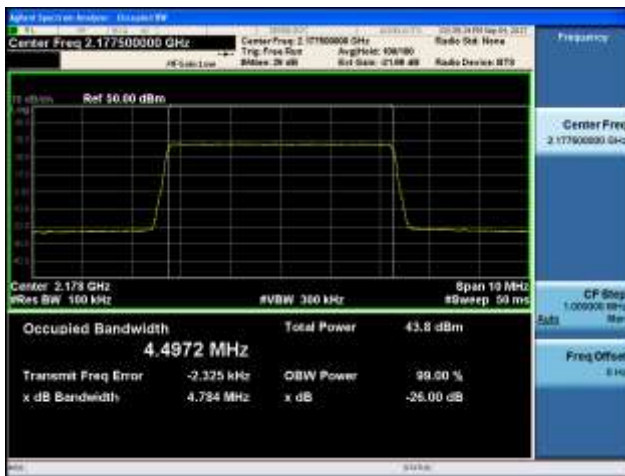
QPSK



16QAM



64QAM

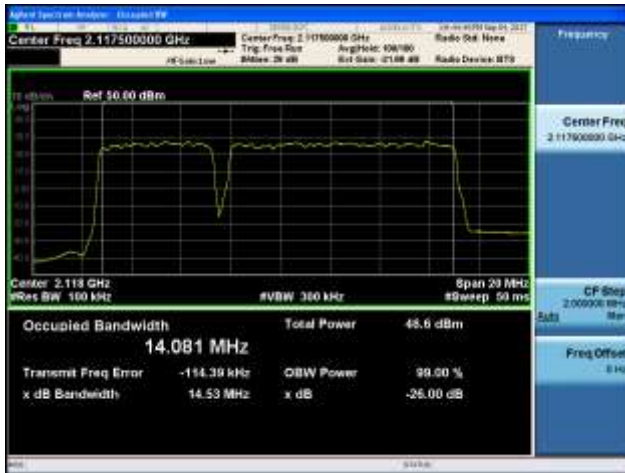


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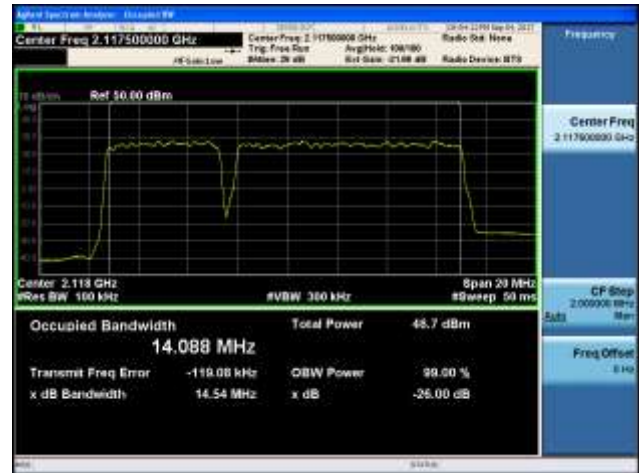


Band 66, BW 5MHz + BW 10MHz + BW 5MHz, Multi 2 carrier(Non-Contiguous), 4TX, Bottom

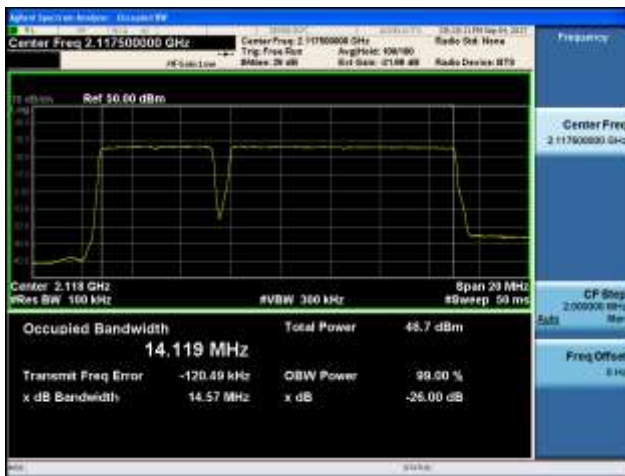
QPSK



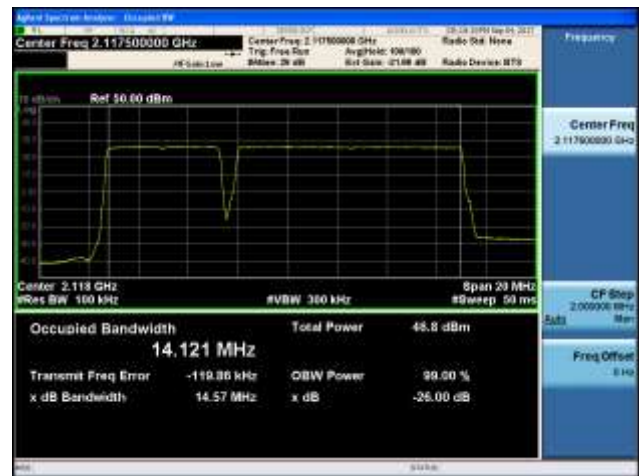
16QAM



64QAM



256QAM

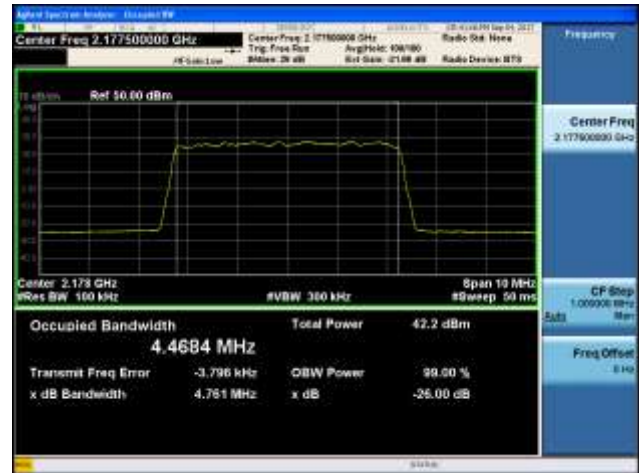


Band 66, BW 5MHz + BW 10MHz + BW 5MHz, Multi 2 carrier(Non-Contiguous), 4TX, Top

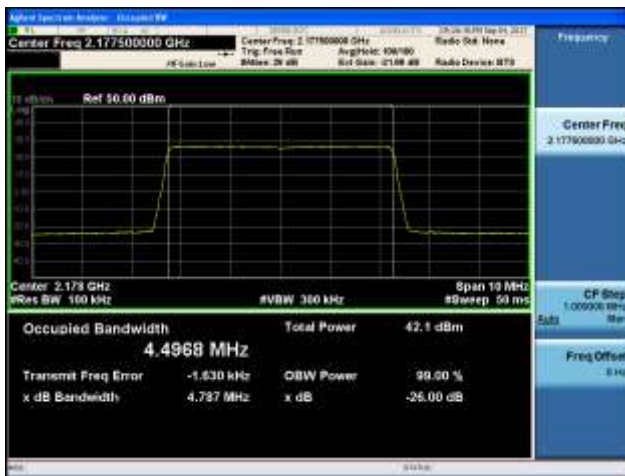
QPSK



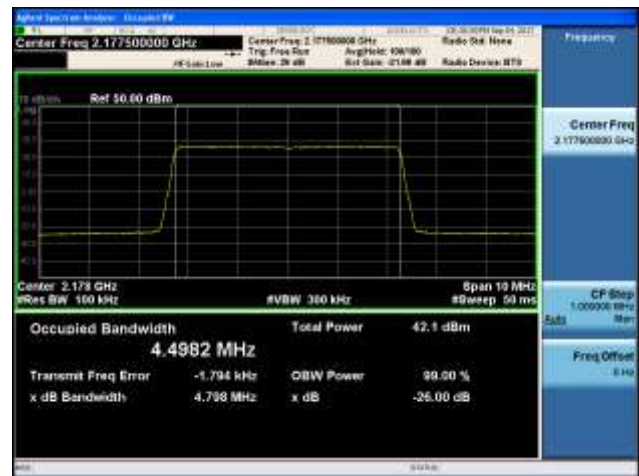
16QAM



64QAM



256QAM



6. Spurious Emission at Antenna Terminal

§ 27.53 Emission limitations for Broadband PCS equipment

The rules in this section govern the spectral characteristics of emissions in the Broadband Personal Communications Service.

(a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

(b) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 MHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

§ 27.53 Emission limits

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

(3) Measurement procedure. (i) Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

(ii) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the licensee's frequency block edges, both upper and lower, as the design permits.

(iii) The measurements of emission power can be expressed in peak or average values, provided they are expressed in the same parameters as the transmitter power.

Test Procedures :

The RF Output of the transceiver was connected to a spectrum analyzer through appropriate attenuation.

The resolution bandwidth of the spectrum analyzer was set at 100 kHz(below 1 GHz), 1 MHz(Above 1 GHz). Sufficient scans were taken to show any out of band emissions up to 10th harmonic.

Notes :

1. In 9 kHz - 10 kHz and 150 kHz - 30 MHz bands, RBW was reduced to 1% and 10% of the reference bandwidth for measuring unwanted emission level(typically, 100 kHz if the authorized frequency band is below 1 GHz) and power was integrated.(1% = +20 dB, 10% = +10 dB)
2. Because the test results are similar trend value for each port, attached plots were only the worst test result.

[Single Carrier]

Test port(Worst case)						
Band type	Bandwidth	Positions	Frequency	Power	Output port	Test Port
Band 66	10 MHz	Bottom	2115.0 MHz	80 W	2TX(1, 2)	Port 1
				40 W	4TX(1, 2, 3, 4)	Port 3
		Middle	2145.0 MHz	80 W	2TX(1, 2)	Port 1
				40 W	4TX(1, 2, 3, 4)	Port 3
		Top	2175.0 MHz	80 W	2TX(1, 2)	Port 1
				40 W	4TX(1, 2, 3, 4)	Port 3
	20 MHz	Bottom	2120.0 MHz	90 W	2TX(1, 2)	Port 1
				60 W	4TX(1, 2, 3, 4)	Port 3
		Middle	2145.0 MHz	90 W	2TX(1, 2)	Port 1
				60 W	4TX(1, 2, 3, 4)	Port 3
		Top	2170.0 MHz	90 W	2TX(1, 2)	Port 1
				60 W	4TX(1, 2, 3, 4)	Port 3

[Multi 2 Carrier]

Test port(Worst case)							
Type	Bandwidth positions		1 st FA	2 nd FA	Power Sum	Output port	Test Port
Band 66	Contiguous	Bottom	Bandwidth	5 MHz	10 MHz		
			Frequency	2112.5 MHz	2120.0 MHz		
			Output Power	30 W	60 W	2TX(1, 2)	Port 1
				20 W	40 W	4TX(1, 2, 3, 4)	Port 3
		Top	Bandwidth	5 MHz	10 MHz		
			Frequency	2167.5 MHz	2175.0 MHz		
			Output Power	30 W	60 W	2TX(1, 2)	Port 1
				20 W	40 W	4TX(1, 2, 3, 4)	Port 3
		Bottom	Bandwidth	5 MHz	20 MHz		
			Frequency	2112.5 MHz	2125.0 MHz		
			Output Power	18 W	72 W	2TX(1, 2)	Port 1
				12 W	48 W	4TX(1, 2, 3, 4)	Port 3
		Top	Bandwidth	5 MHz	20 MHz		
			Frequency	2157.5 MHz	2170.0 MHz		
			Output Power	18 W	72 W	2TX(1, 2)	Port 1
				12 W	48 W	4TX(1, 2, 3, 4)	Port 3
		Bottom	Bandwidth	10 MHz	10 MHz		
			Frequency	2115.0 MHz	2125.0 MHz		
			Output Power	45 W	45 W	2TX(1, 2)	Port 1
				30 W	30 W	4TX(1, 2, 3, 4)	Port 3
		Top	Bandwidth	10 MHz	10 MHz		
			Frequency	2165.0 MHz	2175.0 MHz		
			Output Power	45 W	45 W	2TX(1, 2)	Port 1
				30 W	30 W	4TX(1, 2, 3, 4)	Port 3
		Bottom	Bandwidth	10 MHz	15 MHz		
			Frequency	2115.0 MHz	2127.5 MHz		
			Output Power	36 W	54 W	2TX(1, 2)	Port 1
				24 W	36 W	4TX(1, 2, 3, 4)	Port 3
		Top	Bandwidth	10 MHz	15 MHz		
			Frequency	2160.0 MHz	2172.5 MHz		
			Output Power	36 W	54 W	2TX(1, 2)	Port 1
				24 W	36 W	4TX(1, 2, 3, 4)	Port 3
		Bottom	Bandwidth	10 MHz	20 MHz		
			Frequency	2115.0 MHz	2130.0 MHz		
			Output Power	30 W	60 W	2TX(1, 2)	Port 1
				20 W	40 W	4TX(1, 2, 3, 4)	Port 3
		Top	Bandwidth	10 MHz	20 MHz		
			Frequency	2155.0 MHz	2170.0 MHz		
			Output Power	30 W	60 W	2TX(1, 2)	Port 1
				20 W	40 W	4TX(1, 2, 3, 4)	Port 3

[Multi 3 Carrier]

Test port(Worst case)								
Type	Bandwidth positions		1 st FA	2 nd FA	3 rd FA	Power Sum	Output port	Test Port
Band 66	Contiguous	Bottom	Bandwidth	5 MHz	15 MHz	10 MHz		
			Frequency	2112.5 MHz	2122.5 MHz	2135.0 MHz		
			Output Power	15 W	45 W	30 W	90 W	2TX(1, 2) Port 1
		Middle	Bandwidth	5 MHz	15 MHz	10 MHz		
			Frequency	2130.0 MHz	2140.0 MHz	2152.5 MHz		
			Output Power	15 W	45 W	30 W	90 W	2TX(1, 2) Port 1
		Top	Bandwidth	5 MHz	15 MHz	10 MHz		
			Frequency	2147.5 MHz	2157.5 MHz	2175.0 MHz		
			Output Power	15 W	45 W	30 W	90 W	2TX(1, 2) Port 1
		Bottom	Bandwidth	10 MHz	10 MHz	10 MHz		
			Frequency	2115.0 MHz	2125.0 MHz	2135.0 MHz		
			Output Power	30 W	30 W	30 W	90 W	2TX(1, 2) Port 1
		Middle	Bandwidth	10 MHz	10 MHz	10 MHz		
			Frequency	2130.0 MHz	2140.0 MHz	2150.0 MHz		
			Output Power	30 W	30 W	30 W	90 W	2TX(1, 2) Port 1
		Top	Bandwidth	10 MHz	10 MHz	10 MHz		
			Frequency	2155.0 MHz	2165.0 MHz	2175.0 MHz		
			Output Power	30 W	30 W	30 W	90 W	2TX(1, 2) Port 1
		Bottom	Bandwidth	5 MHz	10 MHz	10 MHz		
			Frequency	2112.5 MHz	2120.0 MHz	2130.0 MHz		
			Output Power	18 W	36 W	36 W	90 W	2TX(1, 2) Port 1
		Middle	Bandwidth	5 MHz	10 MHz	10 MHz		
			Frequency	2132.5 MHz	2140.0 MHz	2150.0 MHz		
			Output Power	18 W	36 W	36 W	90 W	2TX(1, 2) Port 1
		Top	Bandwidth	5 MHz	10 MHz	10 MHz		
			Frequency	2157.5 MHz	2165.0 MHz	2175.0 MHz		
			Output Power	18 W	36 W	36 W	90 W	2TX(1, 2) Port 1
		Bottom	Bandwidth	5 MHz	10 MHz	5 MHz		
			Frequency	2112.5 MHz	2120.0 MHz	2127.5 MHz		
			Output Power	22 W	45 W	22 W	90 W	2TX(1, 2) Port 1
		Middle	Bandwidth	5 MHz	10 MHz	5 MHz		
			Frequency	2132.5 MHz	2140.0 MHz	2147.5 MHz		
			Output Power	22 W	45 W	22 W	90 W	2TX(1, 2) Port 1
		Top	Bandwidth	5 MHz	10 MHz	5 MHz		
			Frequency	2162.5 MHz	2170.0 MHz	2177.5 MHz		
			Output Power	22 W	45 W	22 W	90 W	2TX(1, 2) Port 1
		Bottom	Bandwidth	5 MHz	10 MHz	10 MHz		
			Frequency	2112.5 MHz	2122.5 MHz	2135.0 MHz		
			Output Power	15 W	45 W	30 W	90 W	2TX(1, 2) Port 1
		Middle	Bandwidth	5 MHz	10 MHz	10 MHz		
			Frequency	2130.0 MHz	2140.0 MHz	2152.5 MHz		
			Output Power	15 W	45 W	30 W	90 W	2TX(1, 2) Port 1
		Top	Bandwidth	5 MHz	10 MHz	10 MHz		
			Frequency	2147.5 MHz	2157.5 MHz	2175.0 MHz		
			Output Power	15 W	45 W	30 W	90 W	2TX(1, 2) Port 1

[Multi 2 Carrier]

Test port(Worst case)							
Type	Bandwidth positions		1 st FA	2 nd FA	Power Sum	Output port	Test Port
Band 66	Non-Contiguous	Bottom + Top	Bandwidth	10 MHz	5 MHz		
			Frequency	2115.0 MHz	2177.5 MHz		
			Output Power	60 W	30 W	90 W	2TX(1, 2) Port 1
				40 W	20 W	60 W	4TX(1, 2, 3, 4) Port 3
		Bottom + Top	Bandwidth	10 MHz	10 MHz		
			Frequency	2115.0 MHz	2175.0 MHz		
			Output Power	45 W	45 W	90 W	2TX(1, 2) Port 1
				30 W	30 W	60 W	4TX(1, 2, 3, 4) Port 3
		Bottom + Top	Bandwidth	15 MHz	10 MHz		
			Frequency	2117.5 MHz	2175.0 MHz		
			Output Power	54 W	36 W	90 W	2TX(1, 2) Port 1
				36 W	24 W	60 W	4TX(1, 2, 3, 4) Port 3
		Bottom + Top	Bandwidth	20 MHz	5 MHz		
			Frequency	2120.0 MHz	2177.5 MHz		
			Output Power	72 W	18 W	90 W	2TX(1, 2) Port 1
				48 W	12 W	60 W	4TX(1, 2, 3, 4) Port 3
		Bottom + Top	Bandwidth	20 MHz	10 MHz		
			Frequency	2120.0 MHz	2175.0 MHz		
			Output Power	60 W	30 W	90 W	2TX(1, 2) Port 1
				40 W	20 W	60 W	4TX(1, 2, 3, 4) Port 3

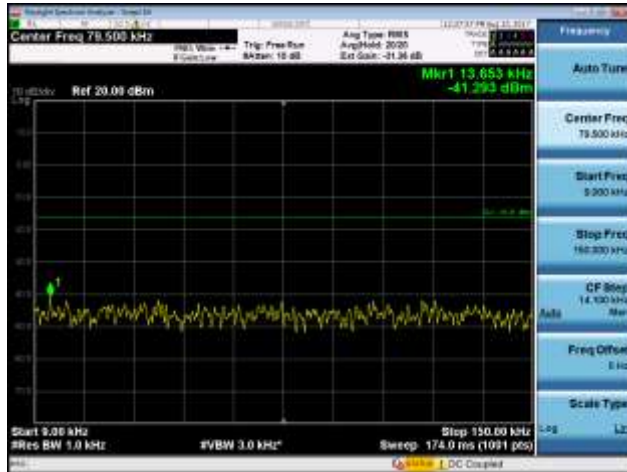
[Multi 3 Carrier]

Test port(Worst case)									
Type		Bandwidth positions		1 st FA	2 nd FA	3 rd FA	Power Sum	Output port	Test Port
Band 66	Non-Contiguous	Bottom + Top	Bandwidth	10 MHz	15 MHz	5 MHz			
			Frequency	2115.0 MHz	2127.5 MHz	2175.0 MHz			
			Output Power	30 W	45 W	15 W	90 W	2TX(1, 2)	Port 1 Port 3
				20 W	30 W	10 W	60 W	4TX(1, 2, 3, 4)	
		Bottom + Top	Bandwidth	10 MHz	10 MHz	10 MHz			
			Frequency	2115.0 MHz	2125.0 MHz	2175.0 MHz			
			Output Power	30 W	30 W	30 W	90 W	2TX(1, 2)	Port 1 Port 3
				20 W	20 W	20 W	60 W	4TX(1, 2, 3, 4)	
		Bottom + Top	Bandwidth	10 MHz	10 MHz	5 MHz			
			Frequency	2115.0 MHz	2125.0 MHz	2177.5 MHz			
			Output Power	36 W	36 W	18 W	90 W	2TX(1, 2)	Port 1 Port 3
				24 W	24 W	12 W	60 W	4TX(1, 2, 3, 4)	
		Bottom + Top	Bandwidth	5 MHz	10 MHz	5 MHz			
			Frequency	2112.5 MHz	2120.0 MHz	2177.5 MHz			
			Output Power	22 W	45 W	22 W	90 W	2TX(1, 2)	Port 1 Port 3
				15 W	30 W	15 W	60 W	4TX(1, 2, 3, 4)	

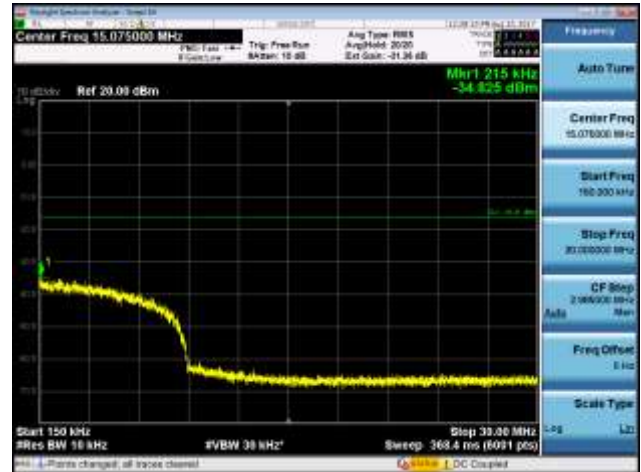
Spurious Emissions at antenna terminal

Band 66, BW 10MHz, Single 1 carrier, 2TX, Bottom
[QPSK]

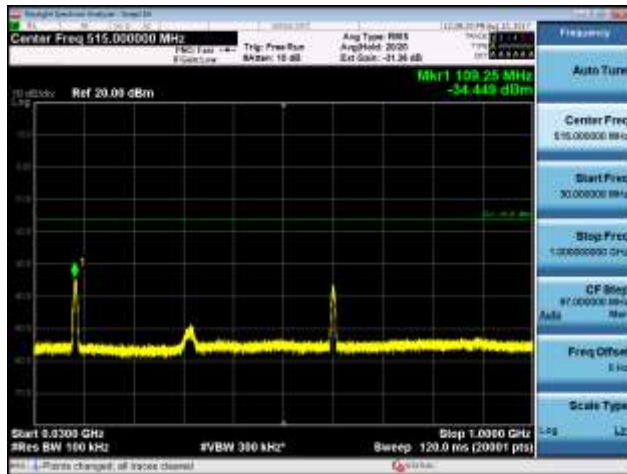
9 kHz - 150 kHz



150 kHz - 30 MHz



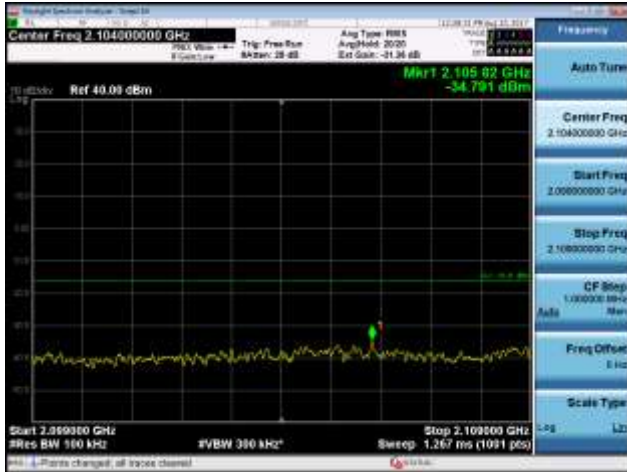
30 MHz - 1000 MHz



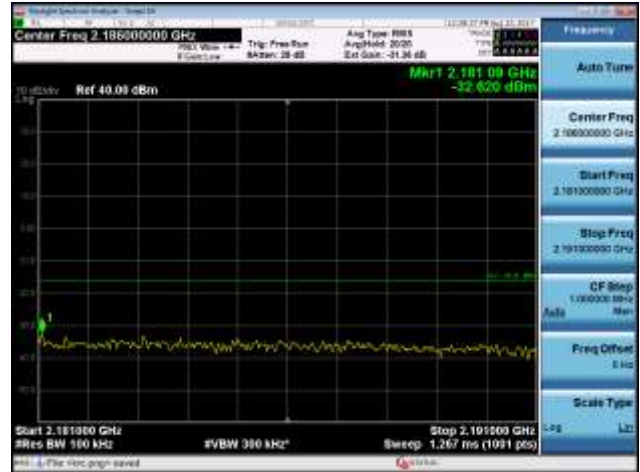
1000 MHz - 2099 MHz



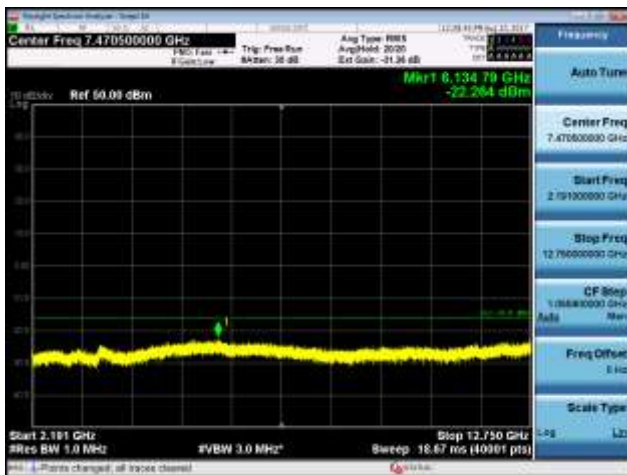
2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz

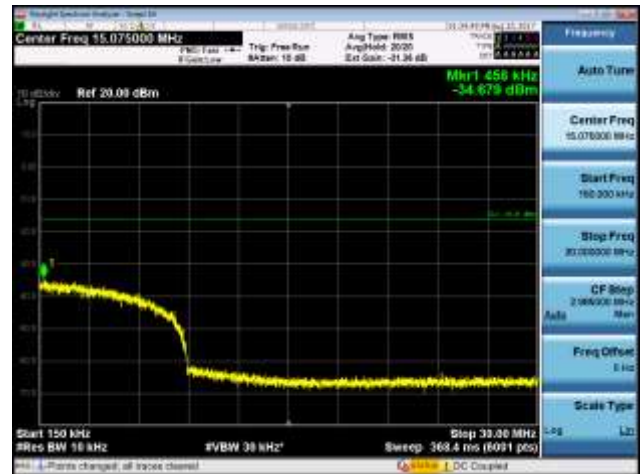


[16QAM]

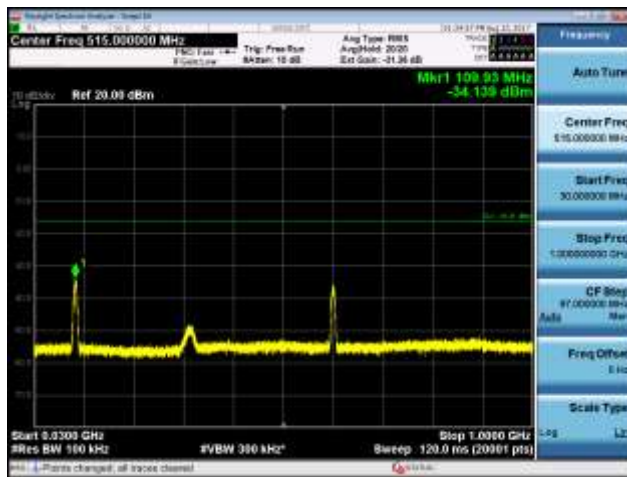
9 kHz - 150 kHz



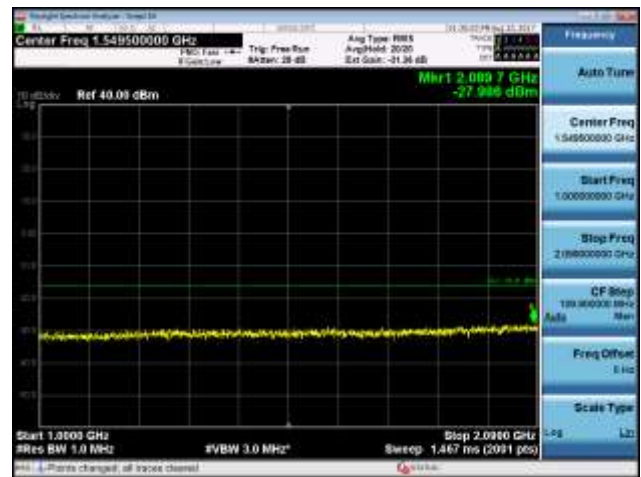
150 kHz - 30 MHz



30 MHz - 1000 MHz



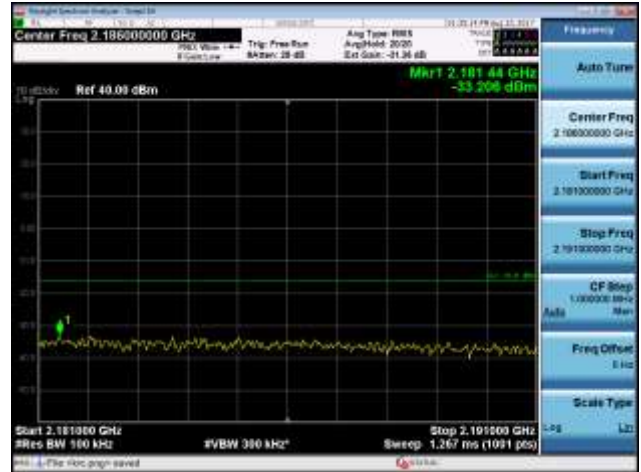
1000 MHz - 2099 MHz



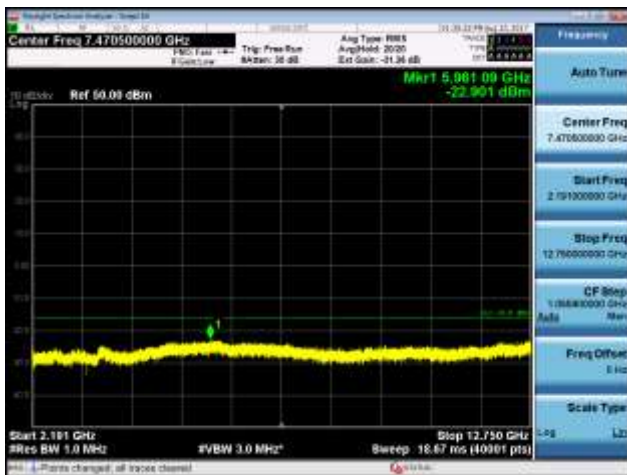
2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz

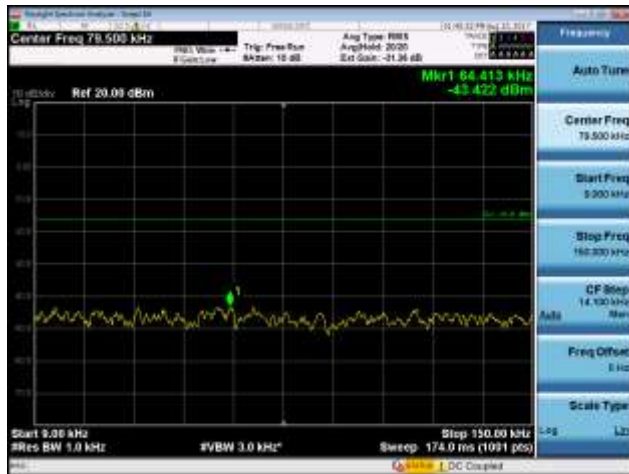


12.75 GHz - 26.5 GHz



[64QAM]

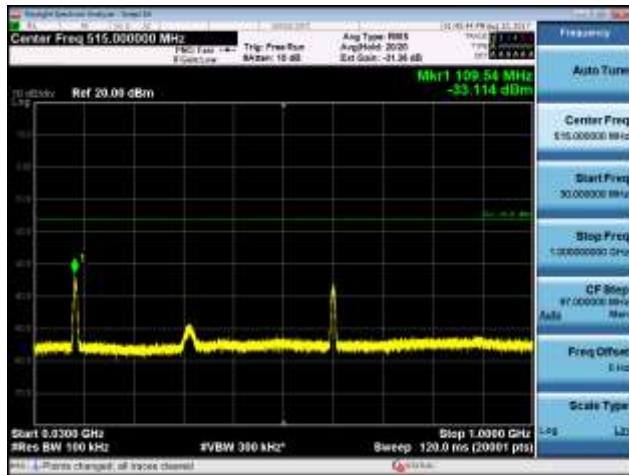
9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz



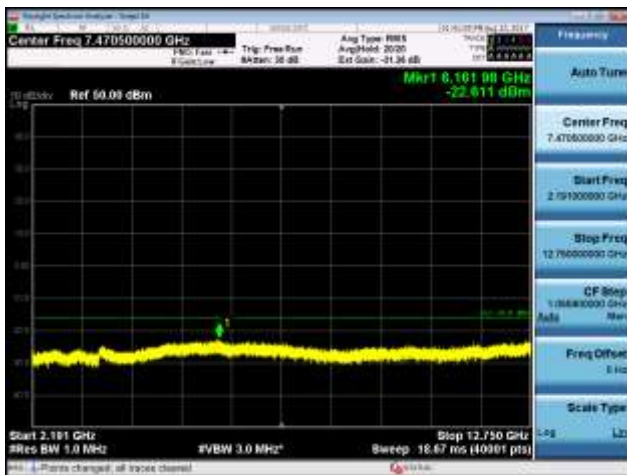
2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz

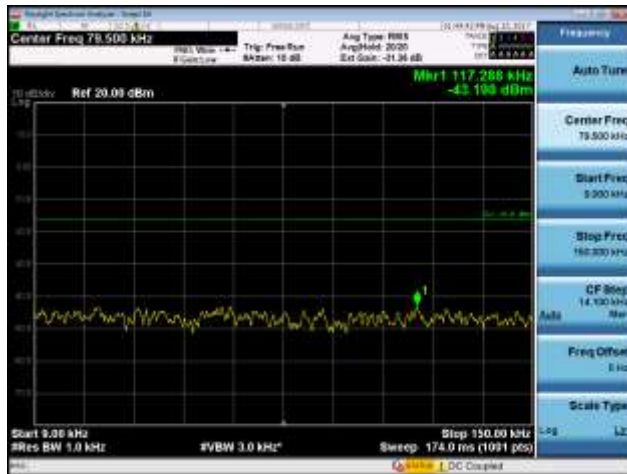


12.75 GHz - 26.5 GHz

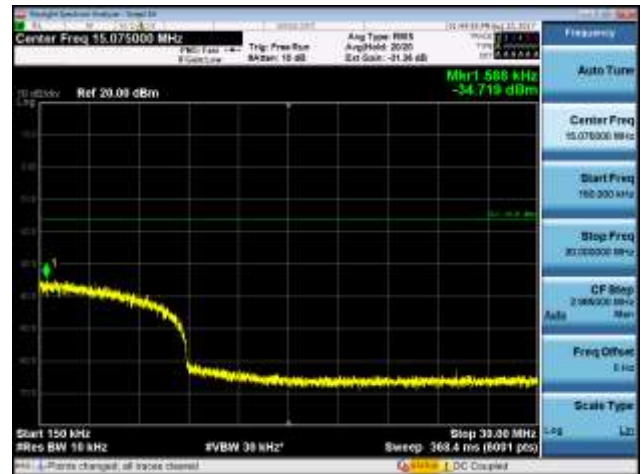


[256QAM]

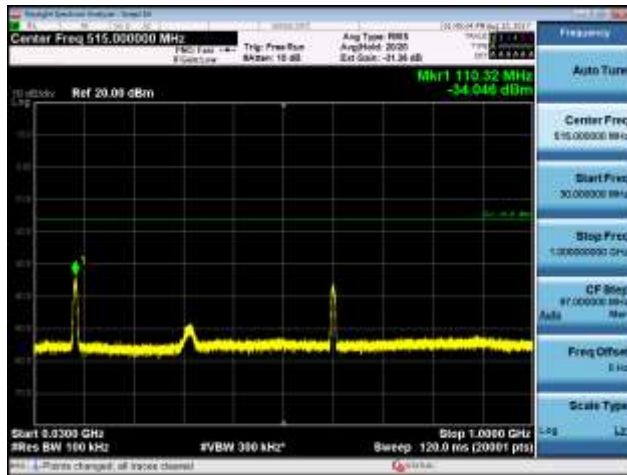
9 kHz - 150 kHz



150 kHz - 30 MHz



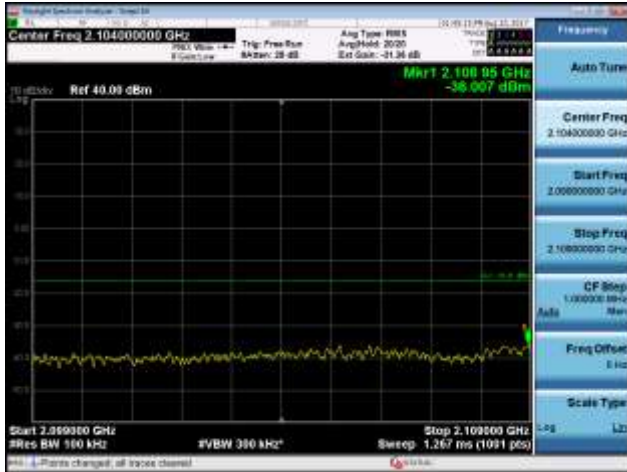
30 MHz - 1000 MHz



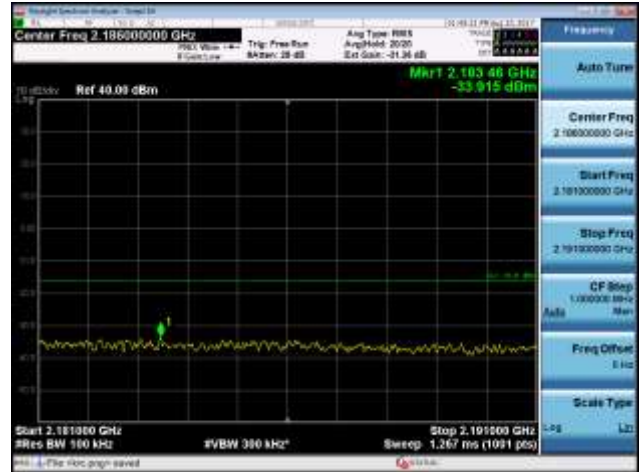
1000 MHz - 2099 MHz



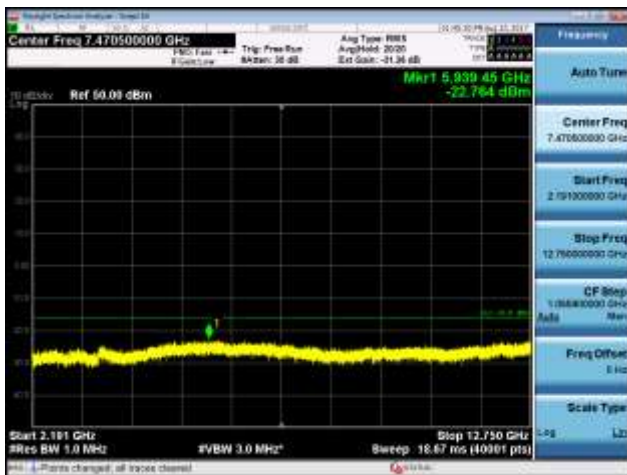
2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz

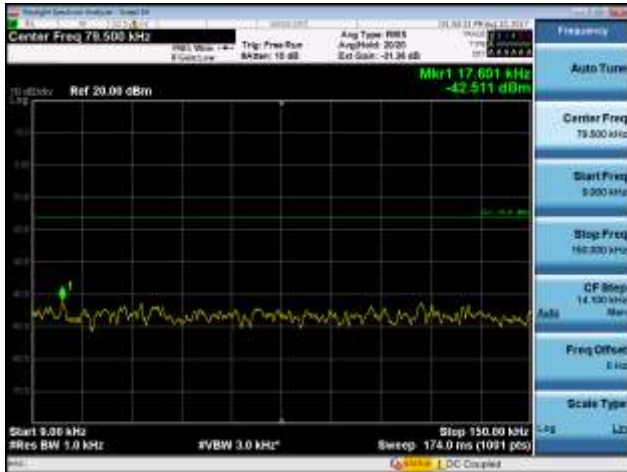


12.75 GHz - 26.5 GHz



Band 66, BW 10MHz, Single 1 carrier, 2TX, Middle
[QPSK]

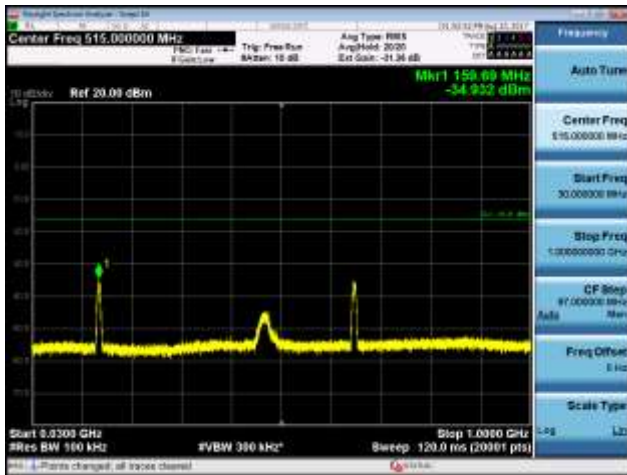
9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz



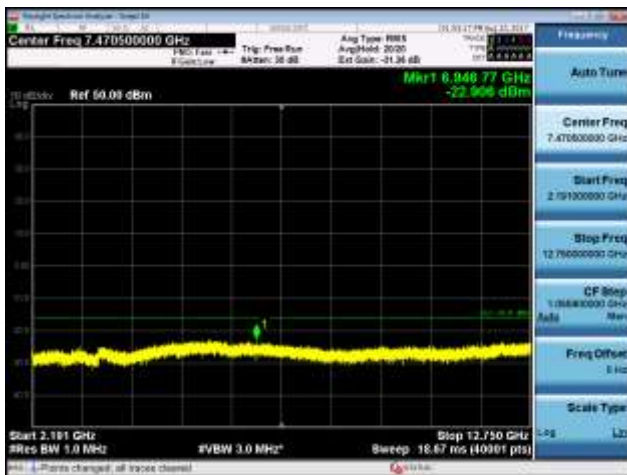
2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



[16QAM]

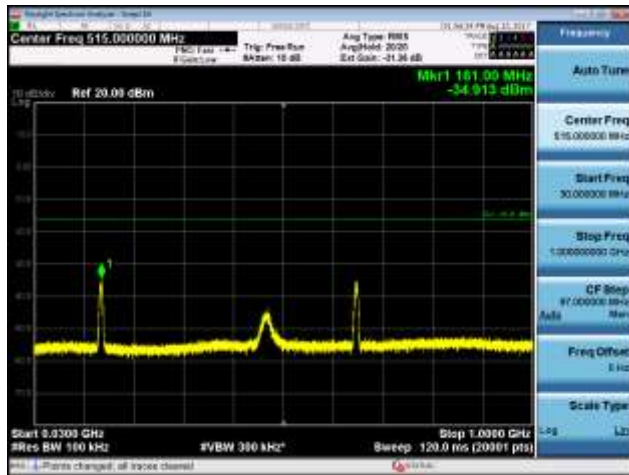
9 kHz - 150 kHz



150 kHz - 30 MHz



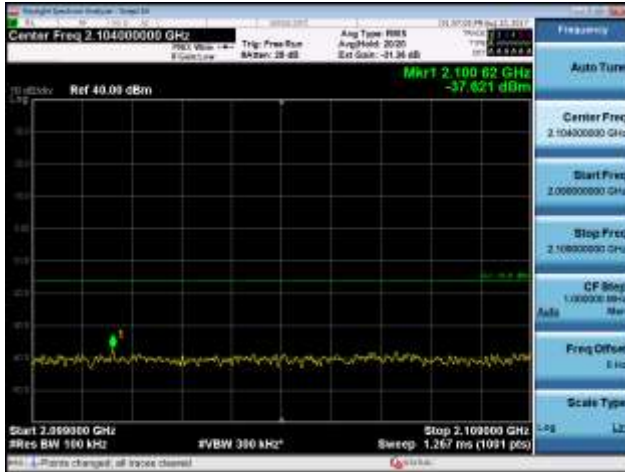
30 MHz - 1000 MHz



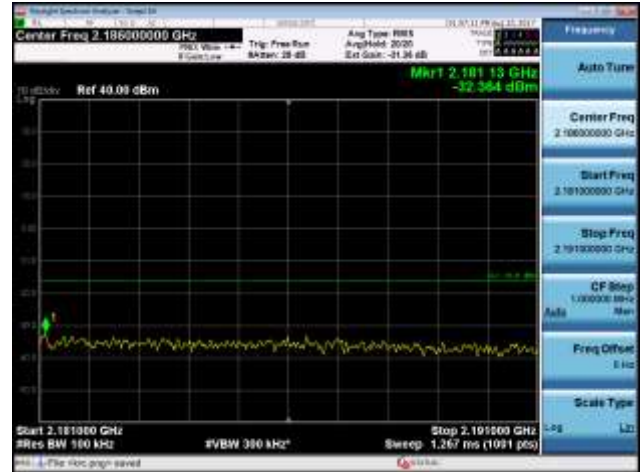
1000 MHz - 2099 MHz



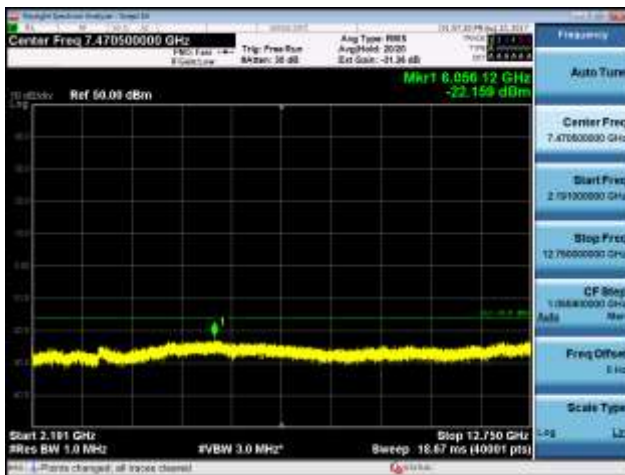
2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz

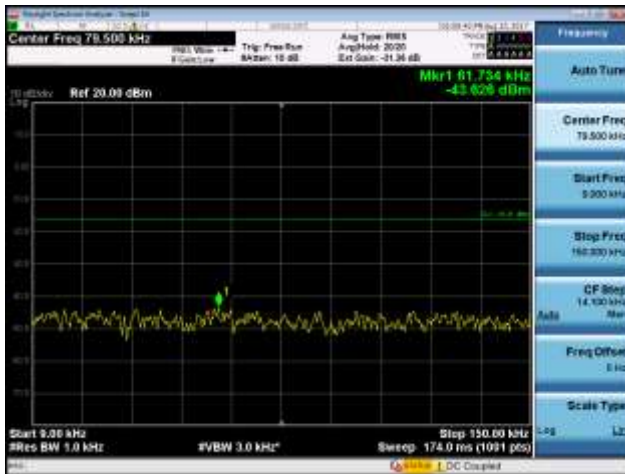


12.75 GHz - 26.5 GHz

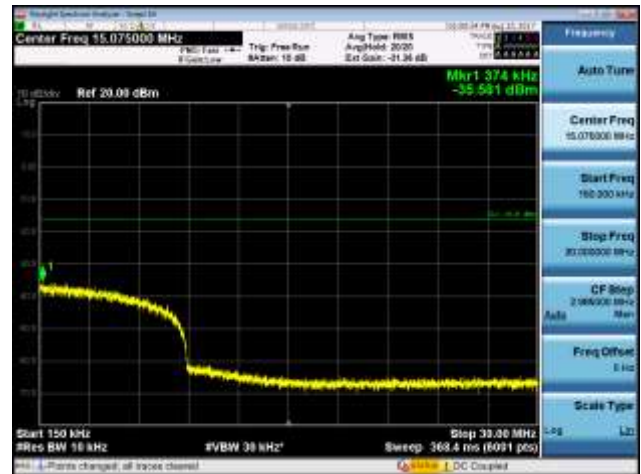


[64QAM]

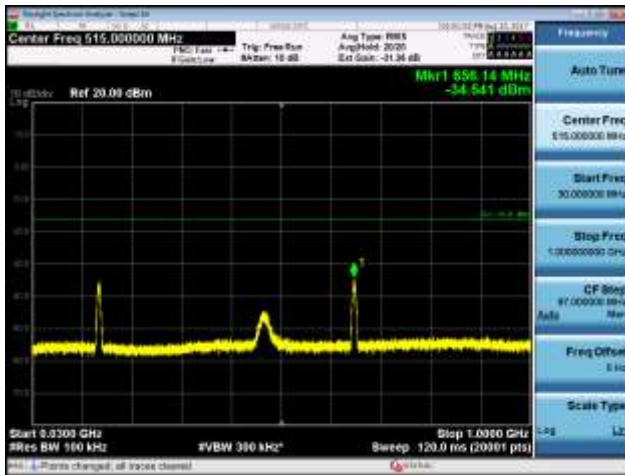
9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz



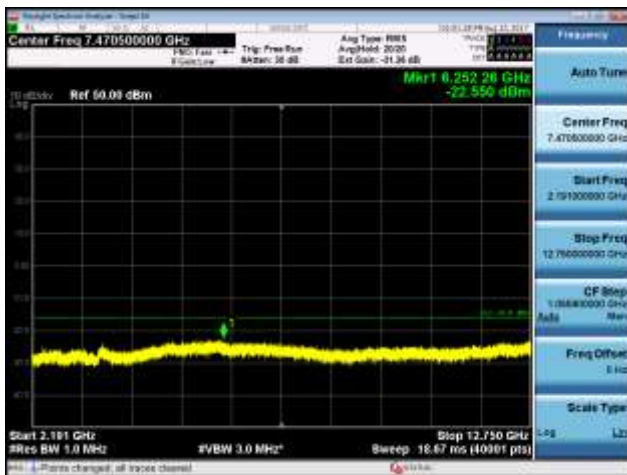
2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz

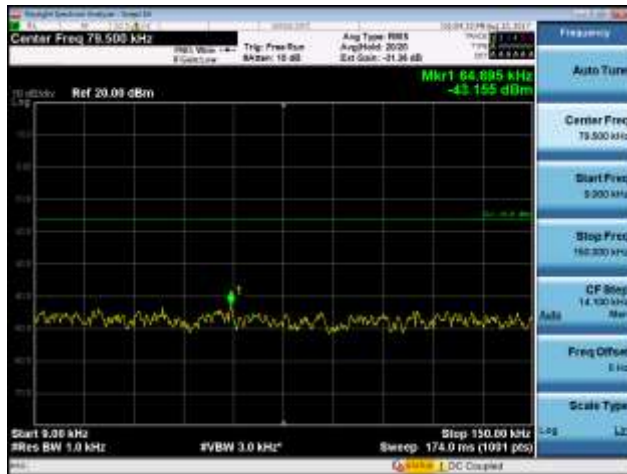


12.75 GHz - 26.5 GHz

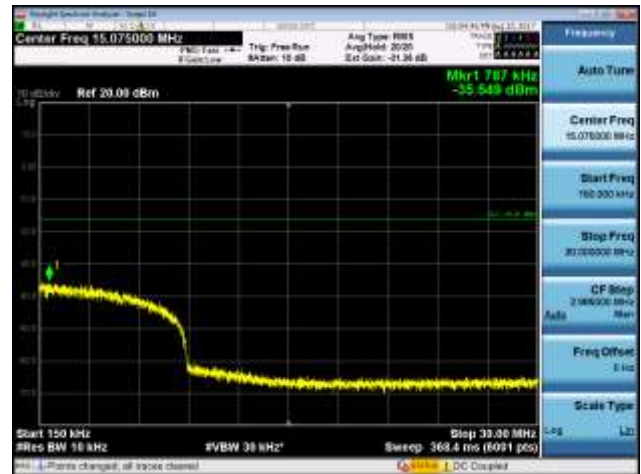


[256QAM]

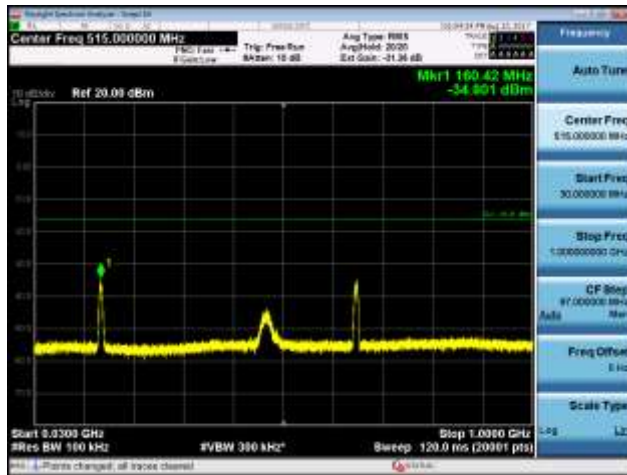
9 kHz - 150 kHz



150 kHz - 30 MHz



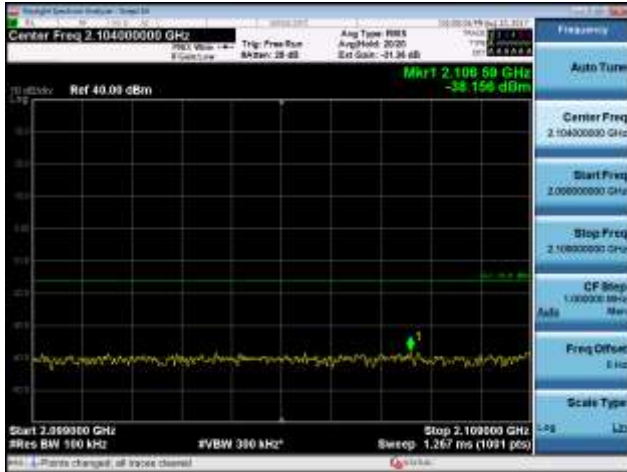
30 MHz - 1000 MHz



1000 MHz - 2099 MHz



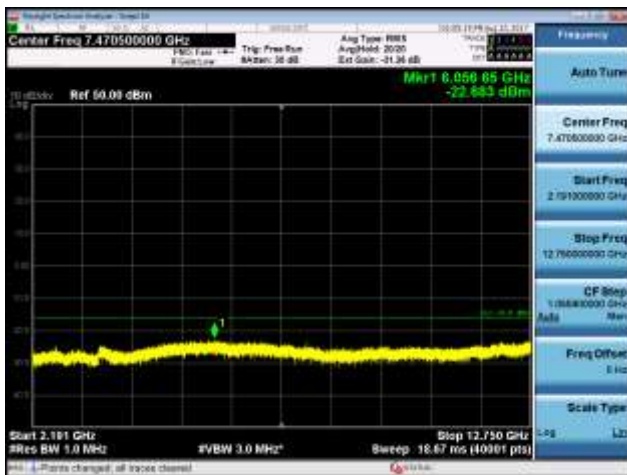
2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



Band 66, BW 10MHz, Single 1 carrier, 2TX, Top
[QPSK]

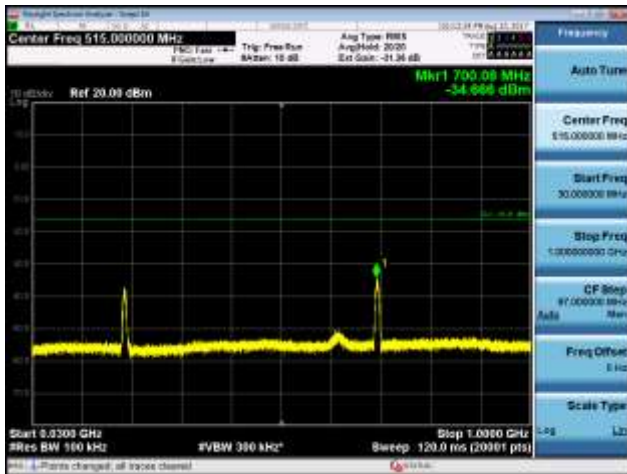
9 kHz - 150 kHz



150 kHz - 30 MHz



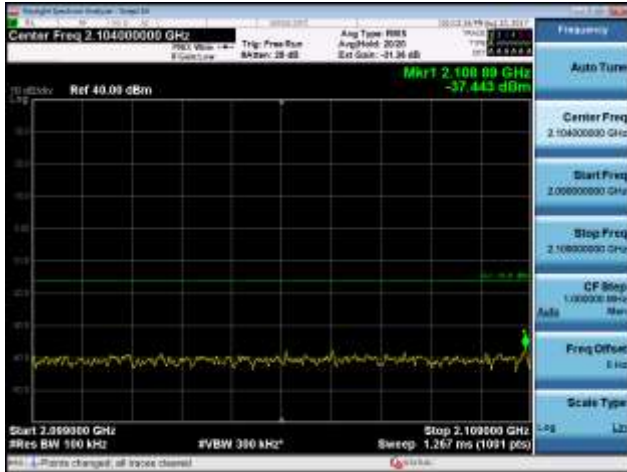
30 MHz - 1000 MHz



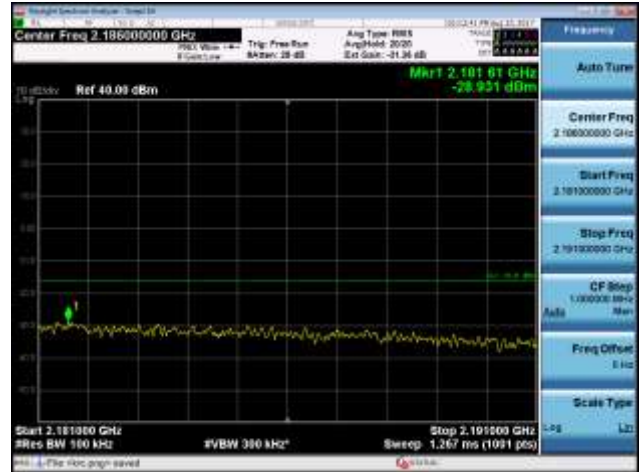
1000 MHz - 2099 MHz



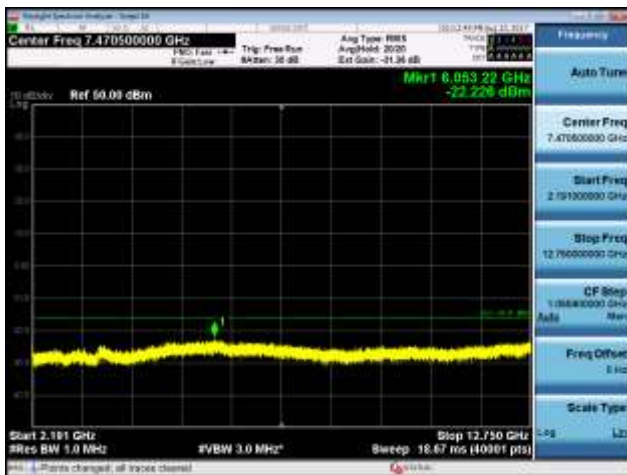
2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz

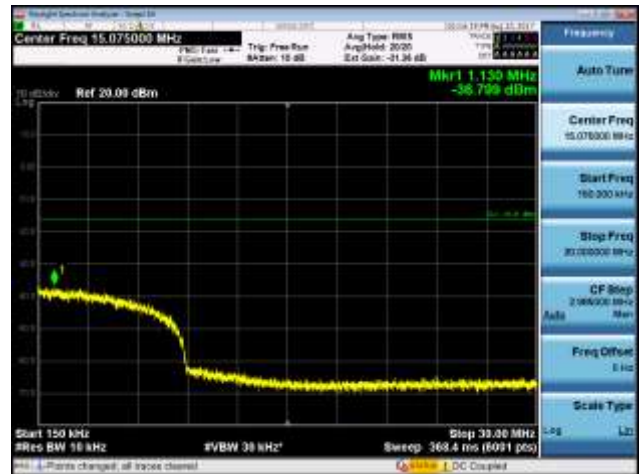


[16QAM]

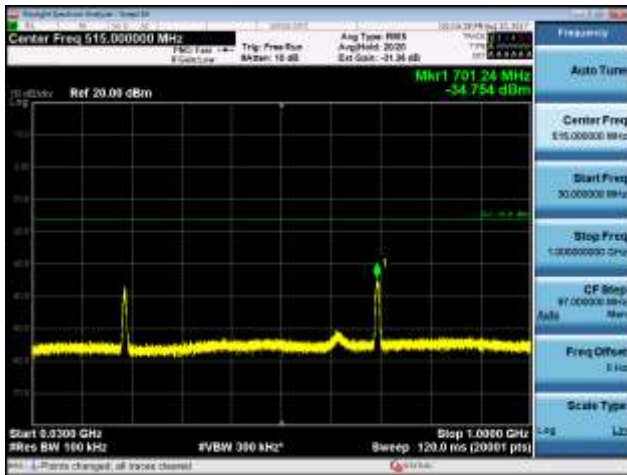
9 kHz - 150 kHz



150 kHz - 30 MHz



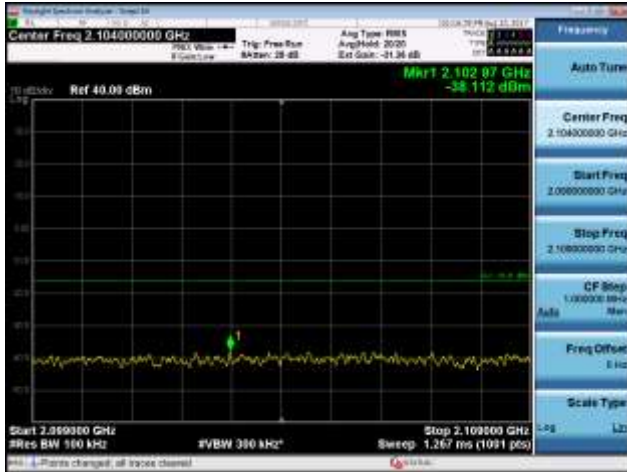
30 MHz - 1000 MHz



1000 MHz - 2099 MHz



2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



[64QAM]

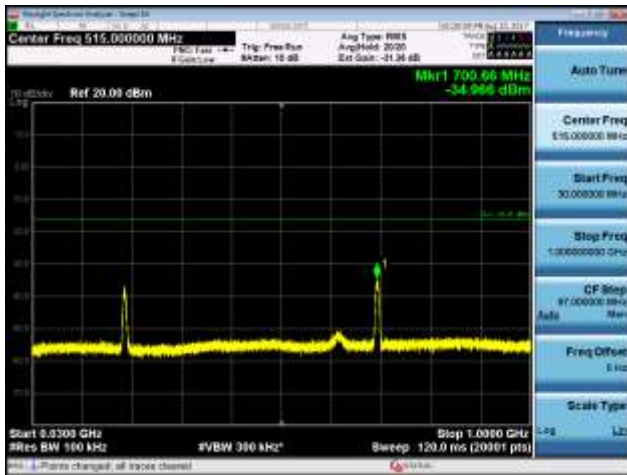
9 kHz - 150 kHz



150 kHz - 30 MHz



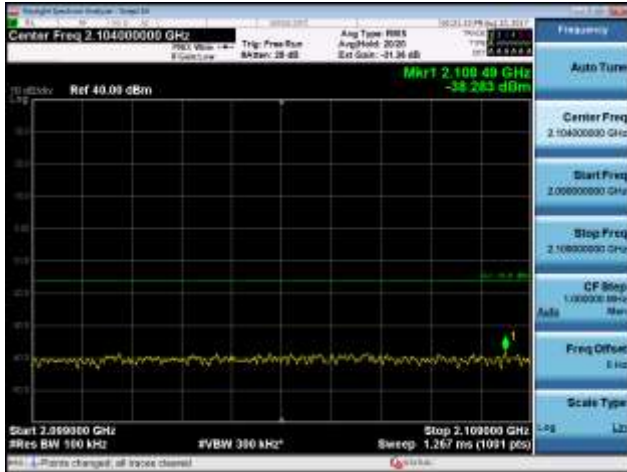
30 MHz - 1000 MHz



1000 MHz - 2099 MHz



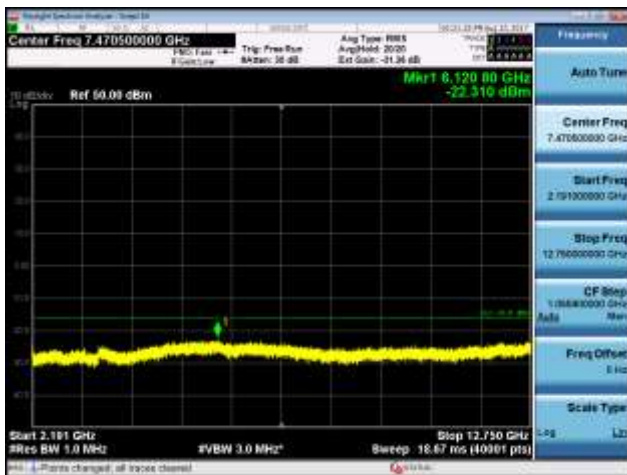
2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz

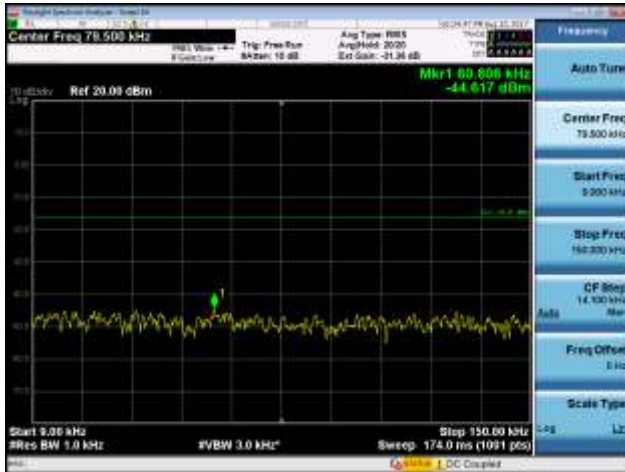


12.75 GHz - 26.5 GHz

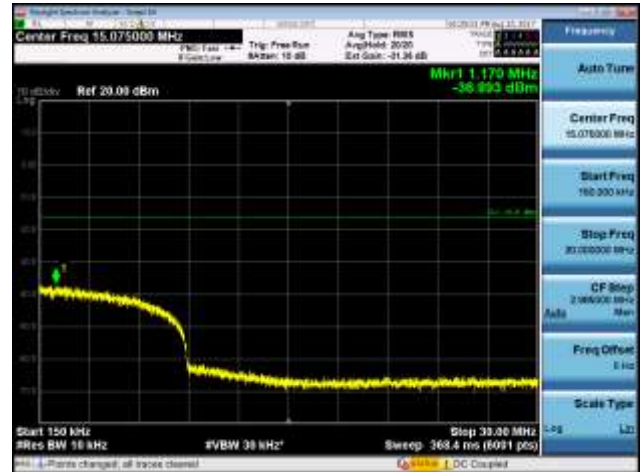


[256QAM]

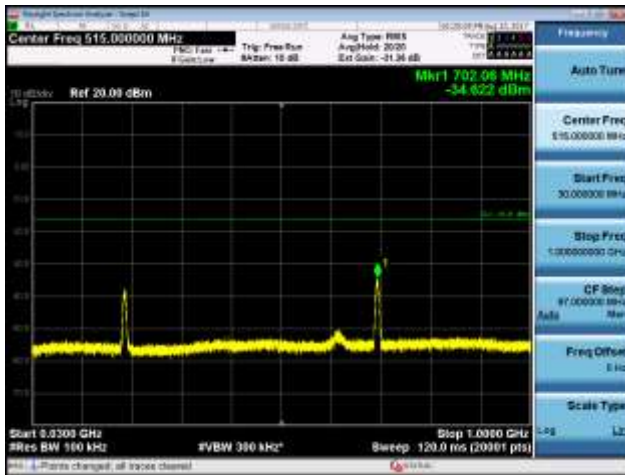
9 kHz - 150 kHz



150 kHz - 30 MHz



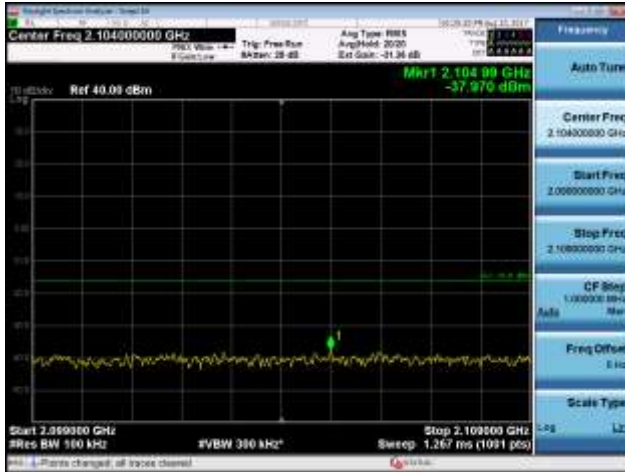
30 MHz - 1000 MHz



1000 MHz - 2099 MHz



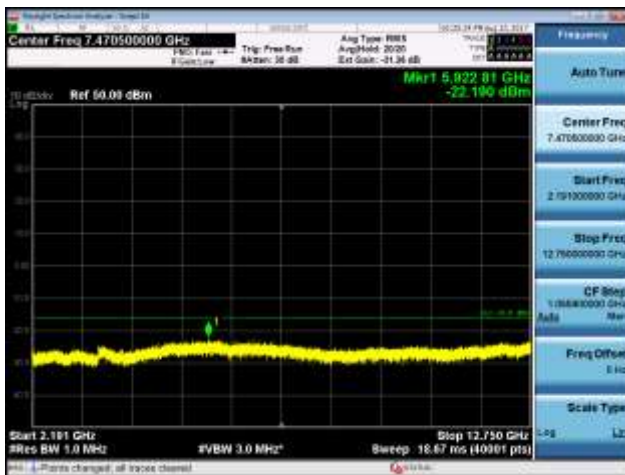
2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz

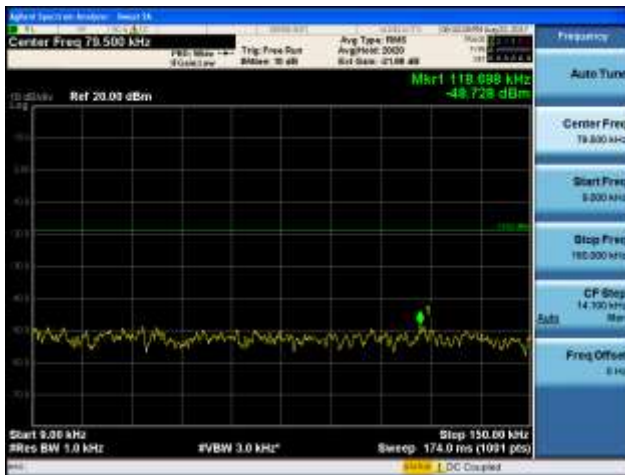


12.75 GHz - 26.5 GHz

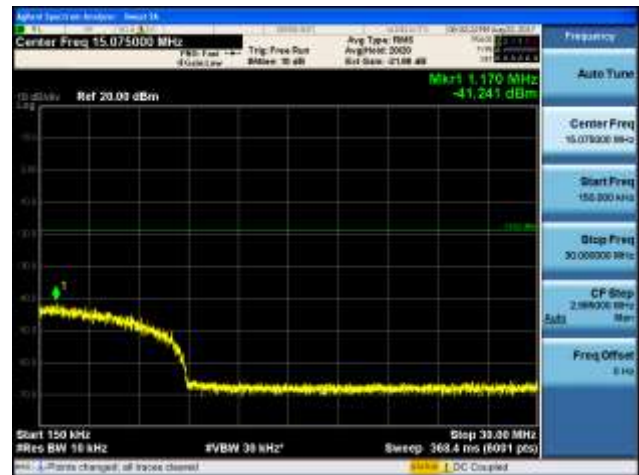


Band 66, BW 10MHz, Single 1 carrier, 4TX, Bottom
[QPSK]

9 kHz - 150 kHz



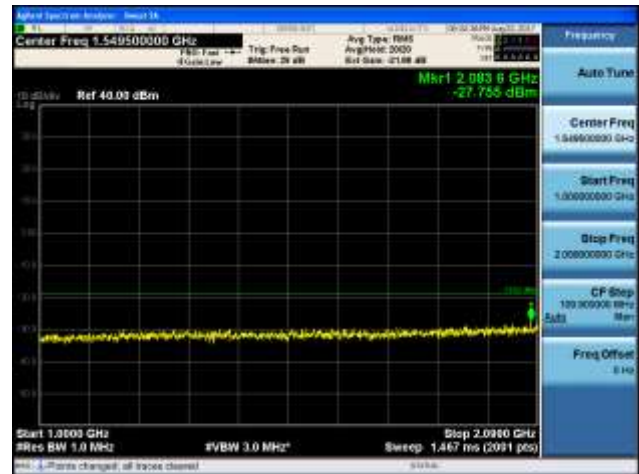
150 kHz - 30 MHz



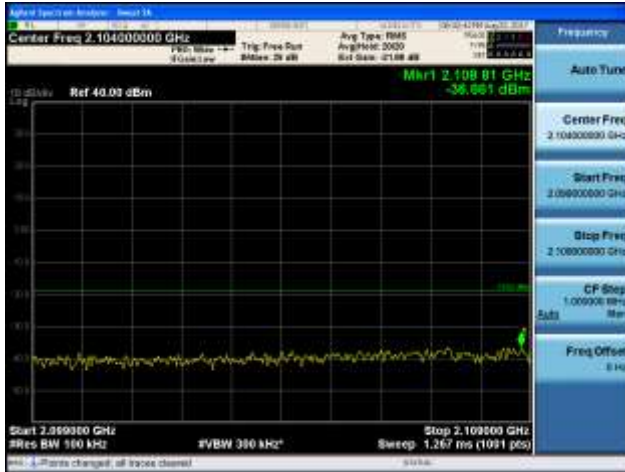
30 MHz - 1000 MHz



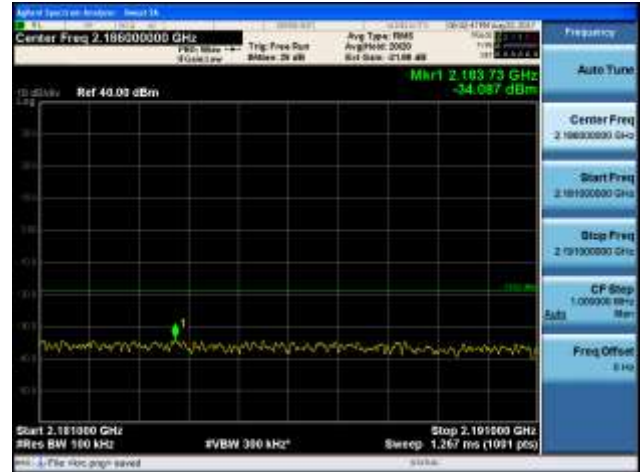
1000 MHz - 2099 MHz



2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz

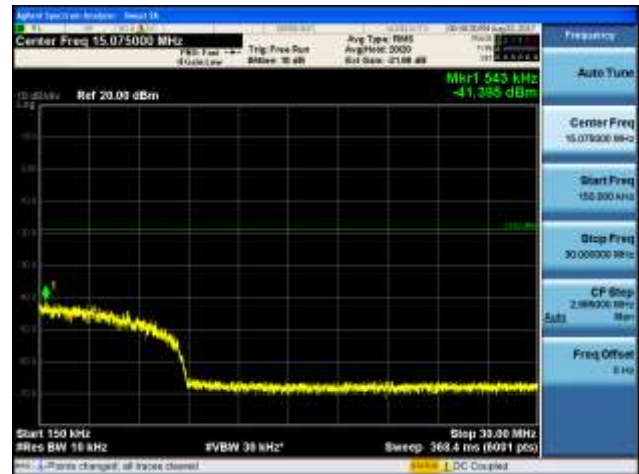


[16QAM]

9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1000 MHz



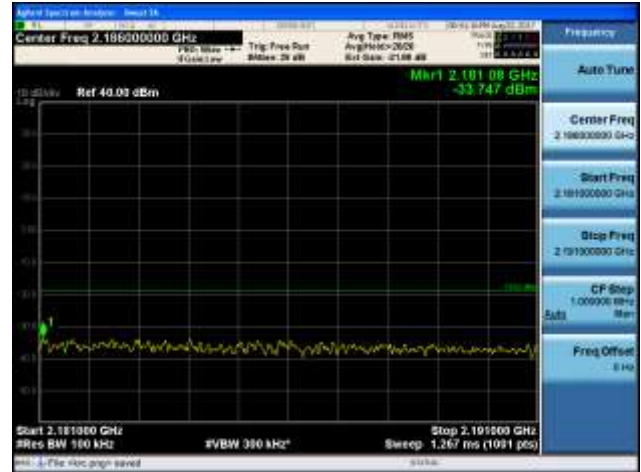
1000 MHz - 2099 MHz



2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz

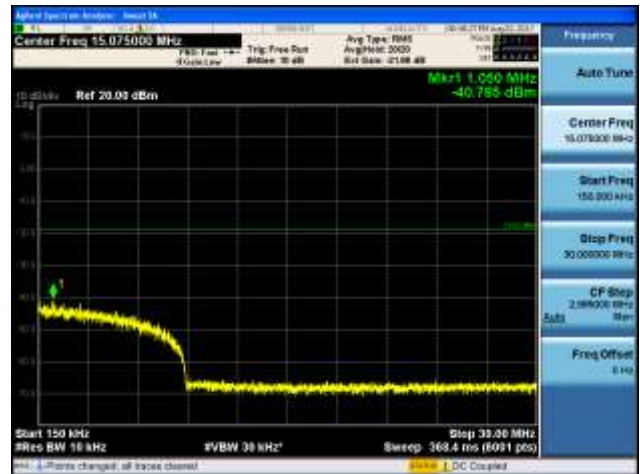


[64QAM]

9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1000 MHz



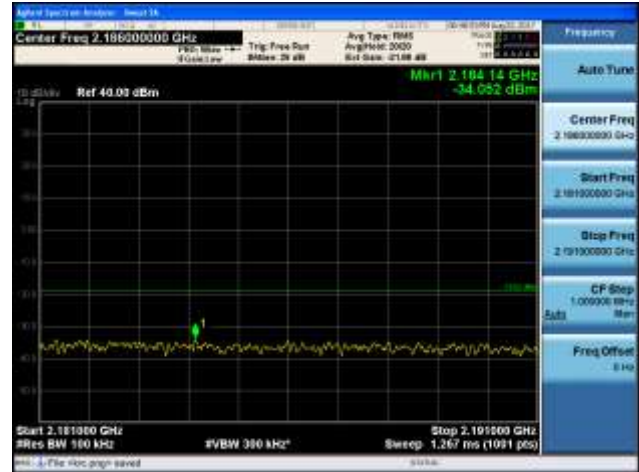
1000 MHz - 2099 MHz



2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz

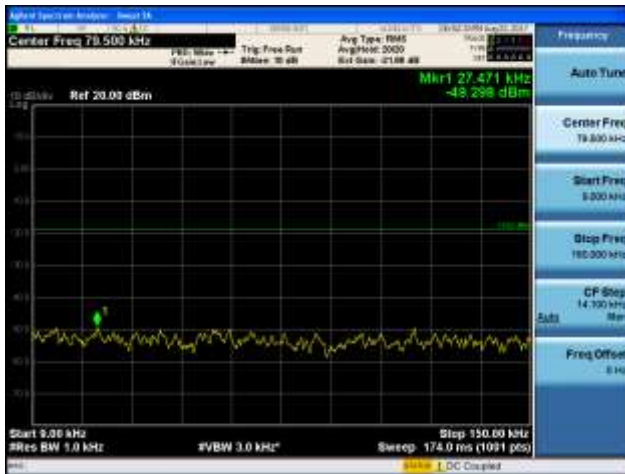


12.75 GHz - 26.5 GHz

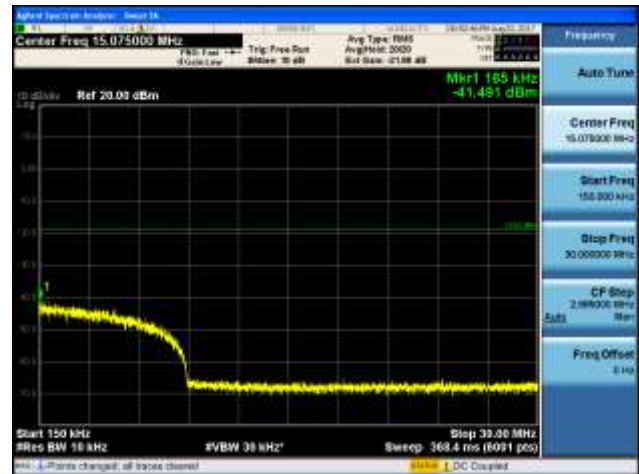


[256QAM]

9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1000 MHz



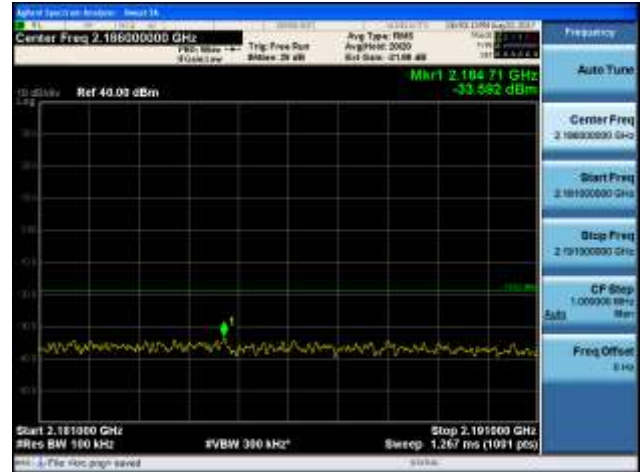
1000 MHz - 2099 MHz



2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz

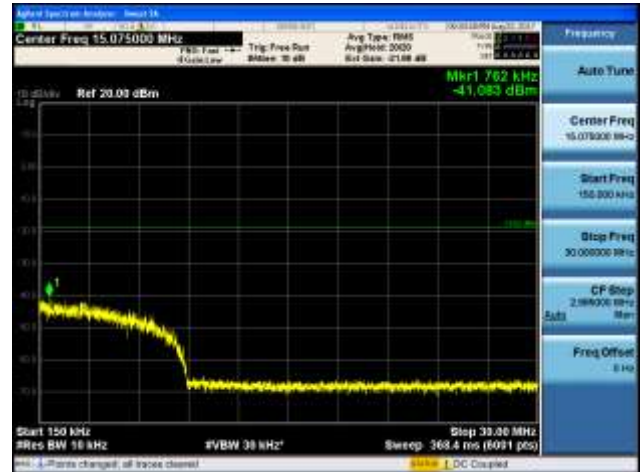


Band 66, BW 10MHz, Single 1 carrier, 4TX, Middle
[QPSK]

9 kHz - 150 kHz



150 kHz - 30 MHz



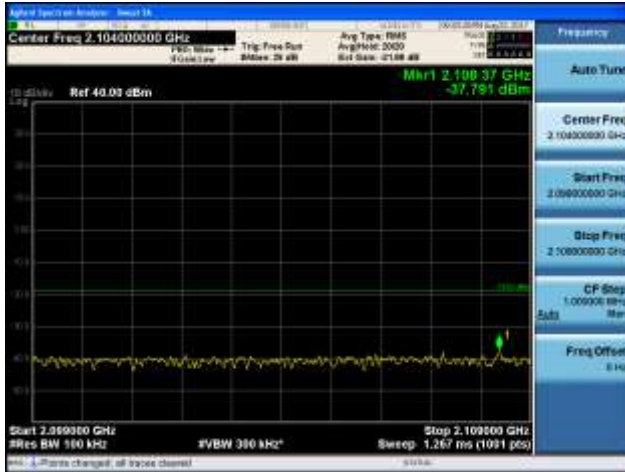
30 MHz - 1000 MHz



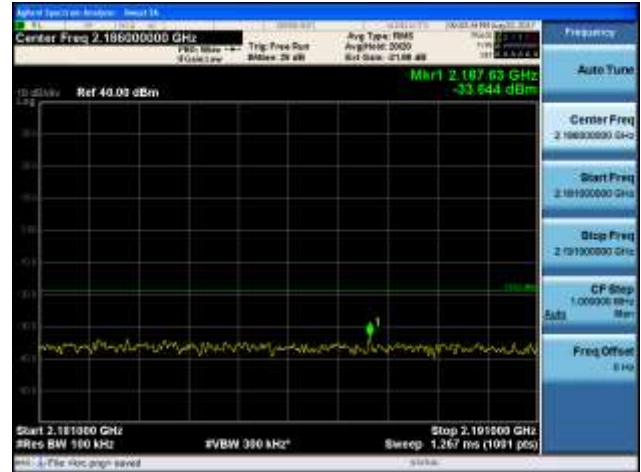
1000 MHz - 2099 MHz



2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz

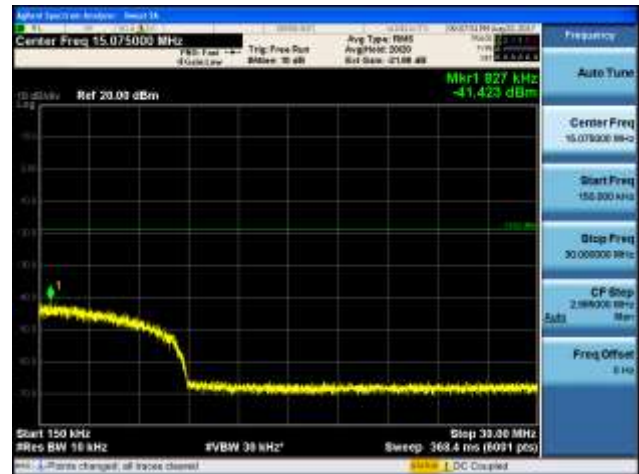


[16QAM]

9 kHz - 150 kHz



150 kHz - 30 MHz



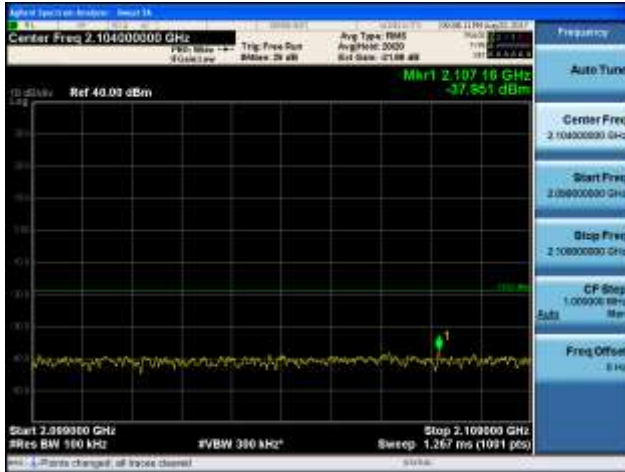
30 MHz - 1000 MHz



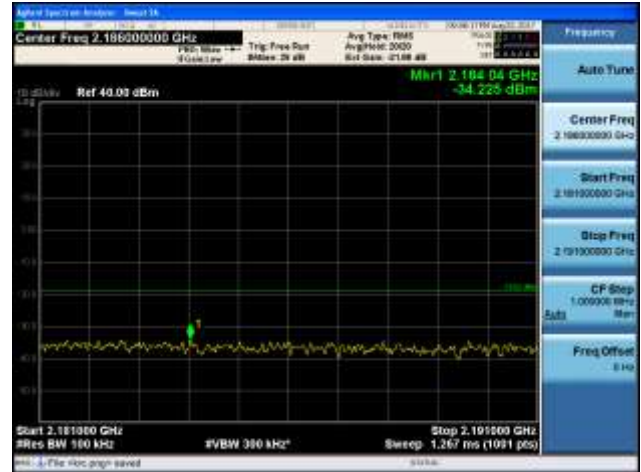
1000 MHz - 2099 MHz



2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz

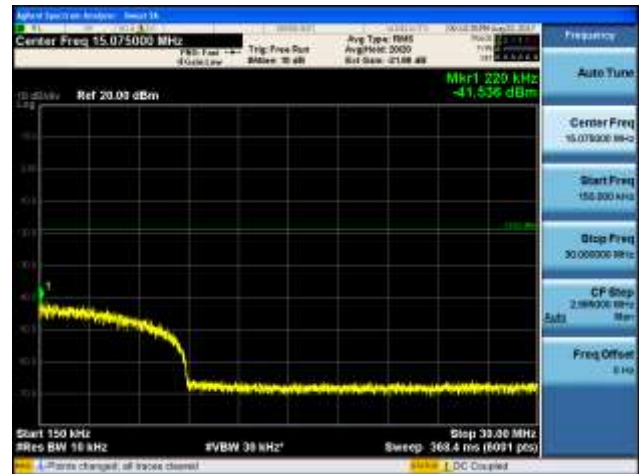


[64QAM]

9 kHz - 150 kHz



150 kHz - 30 MHz



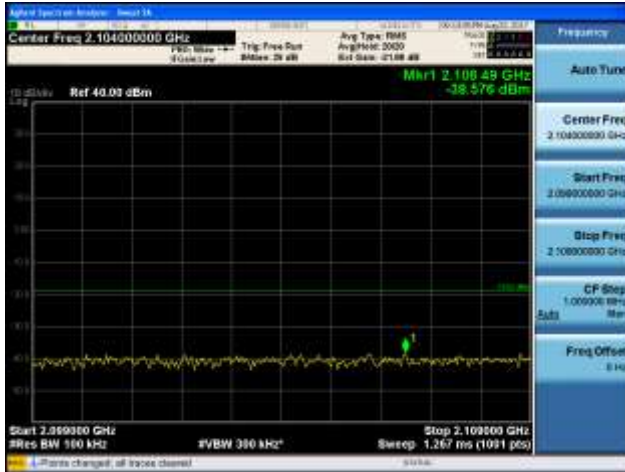
30 MHz - 1000 MHz



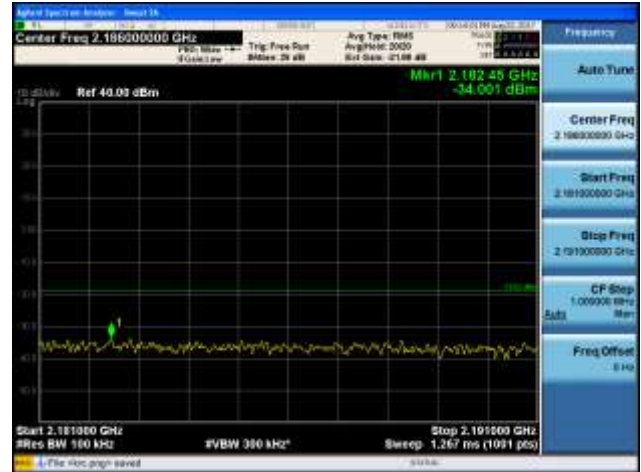
1000 MHz - 2099 MHz



2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz

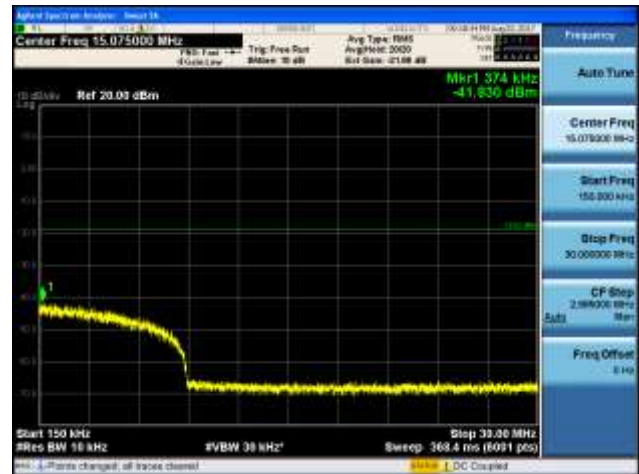


[256QAM]

9 kHz - 150 kHz



150 kHz - 30 MHz



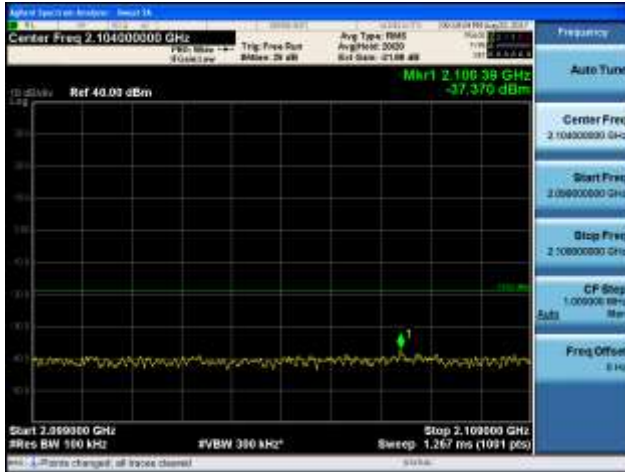
30 MHz - 1000 MHz



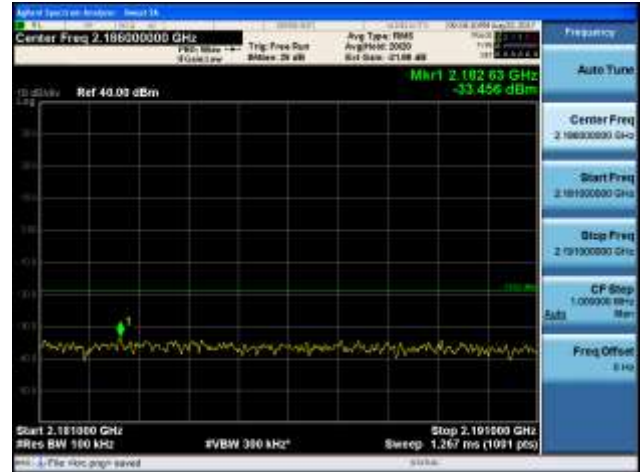
1000 MHz - 2099 MHz



2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz

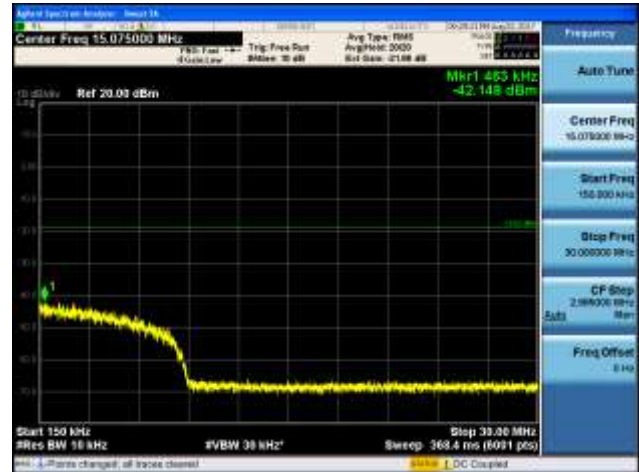


Band 66, BW 10MHz, Single 1 carrier, 4TX, Top
[QPSK]

9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1000 MHz



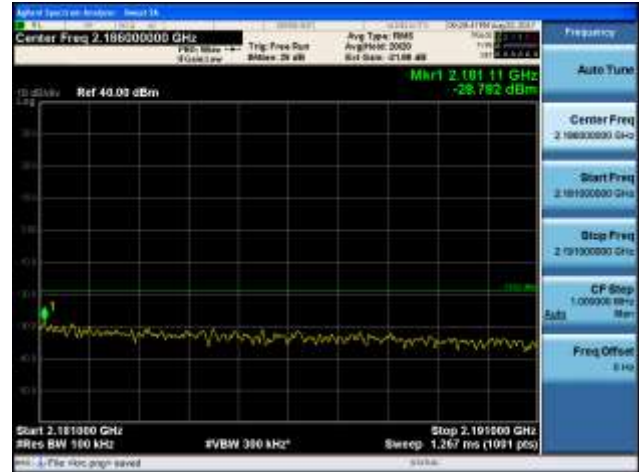
1000 MHz - 2099 MHz



2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz

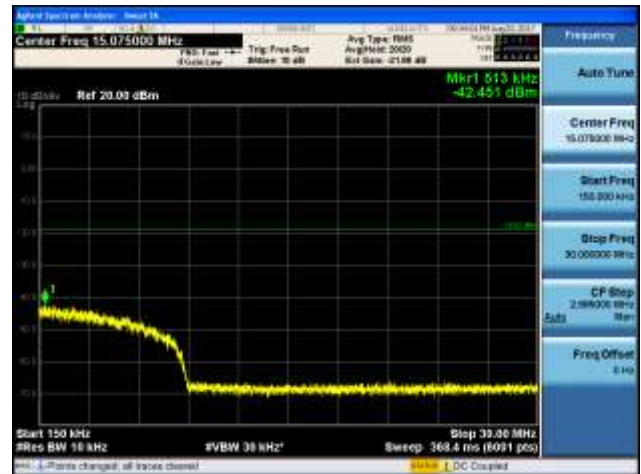


[16QAM]

9 kHz - 150 kHz



150 kHz - 30 MHz



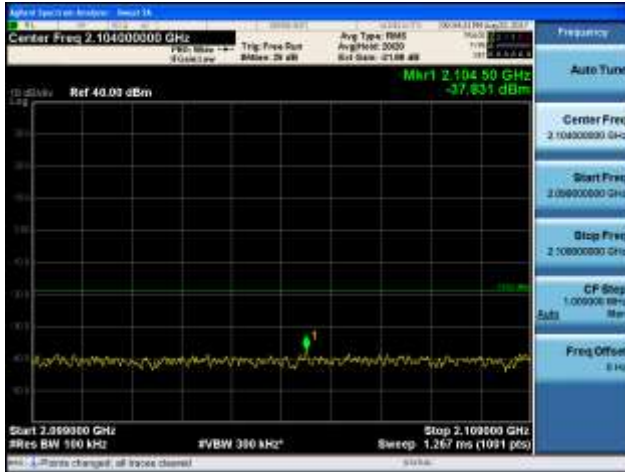
30 MHz - 1000 MHz



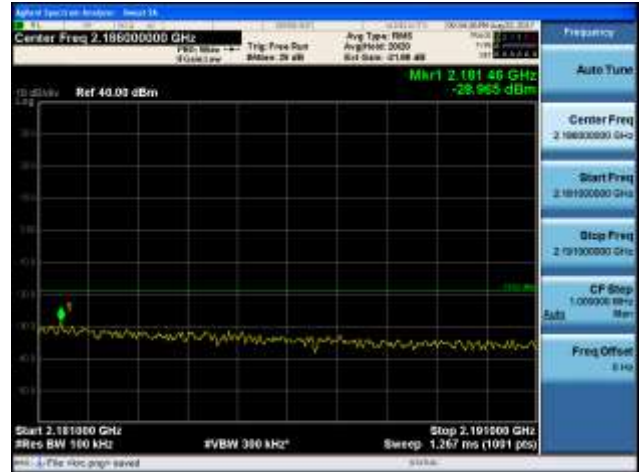
1000 MHz - 2099 MHz



2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz

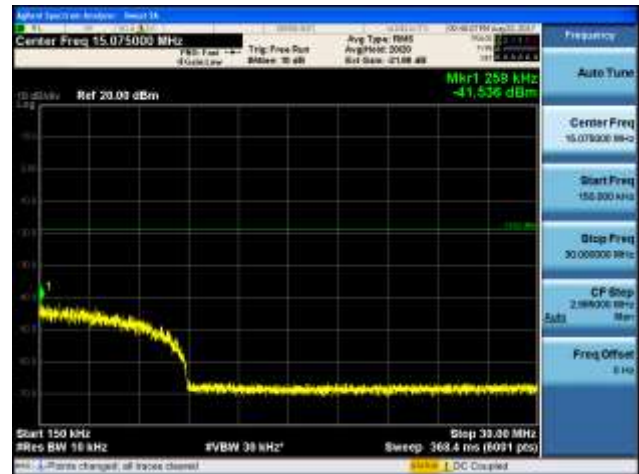


[64QAM]

9 kHz - 150 kHz



150 kHz - 30 MHz



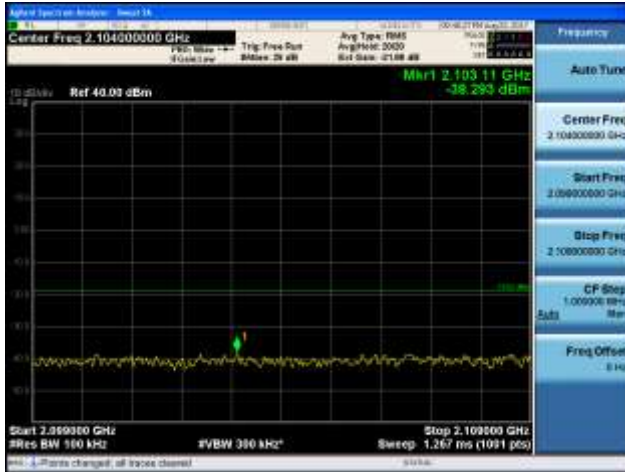
30 MHz - 1000 MHz



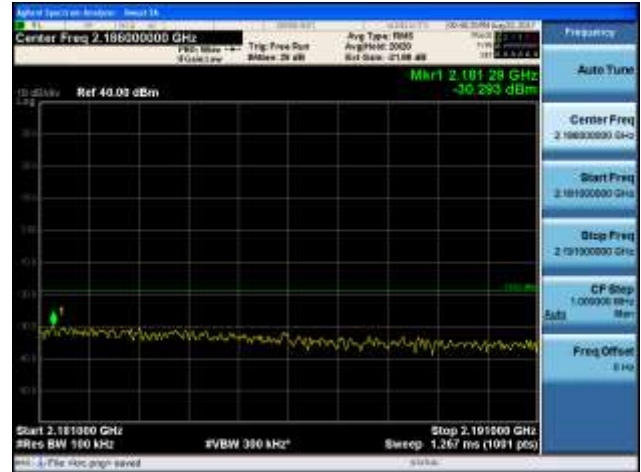
1000 MHz - 2099 MHz



2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz

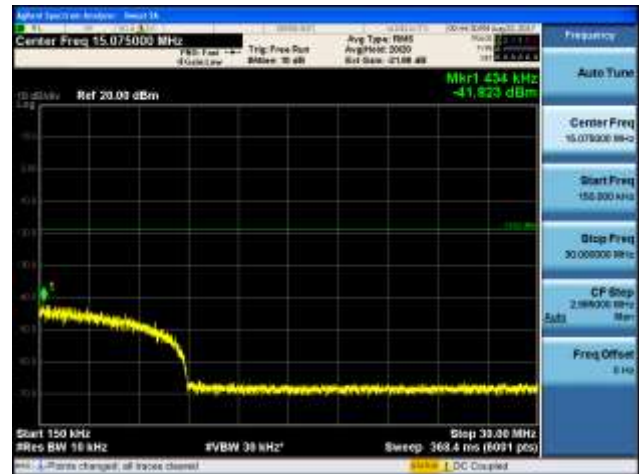


[256QAM]

9 kHz - 150 kHz



150 kHz - 30 MHz



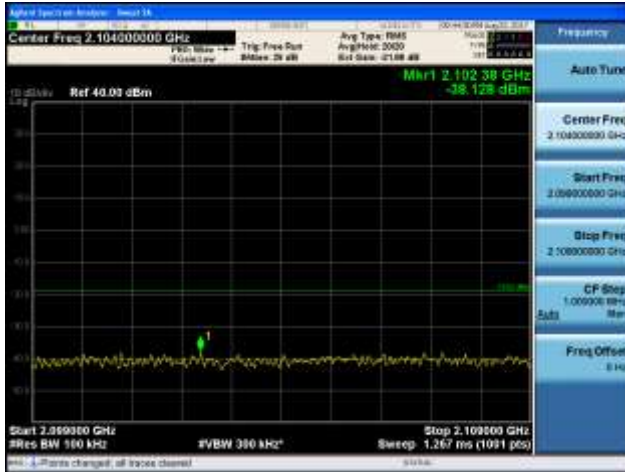
30 MHz - 1000 MHz



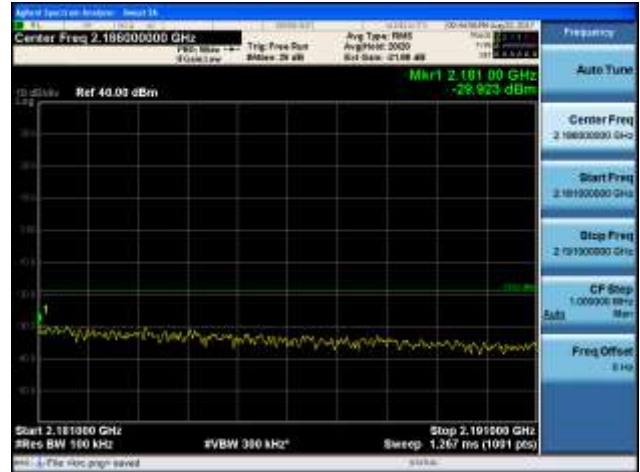
1000 MHz - 2099 MHz



2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz

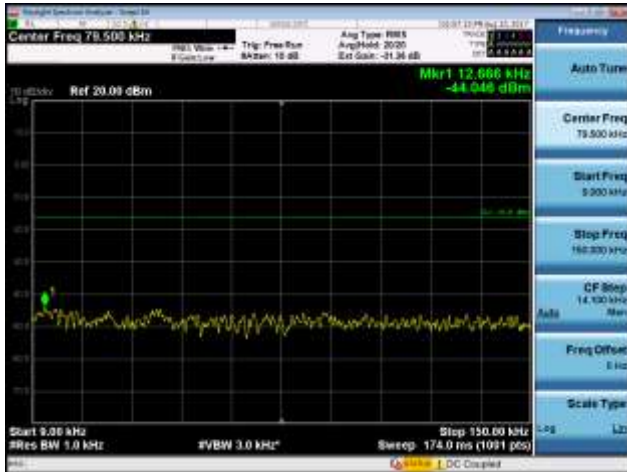


12.75 GHz - 26.5 GHz



Band 66, BW 20MHz, Single 1 carrier, 2TX, Bottom
[QPSK]

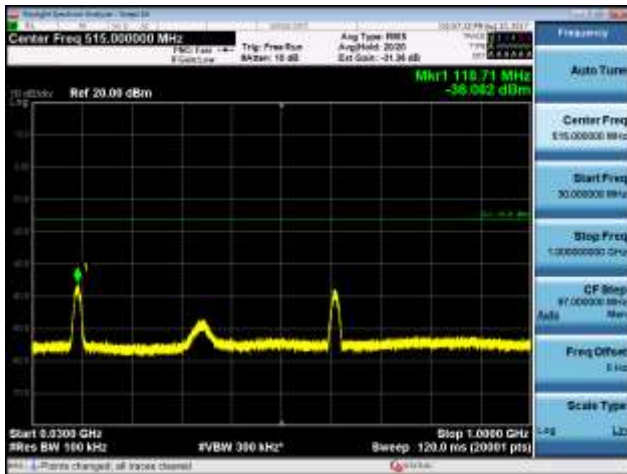
9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1000 MHz



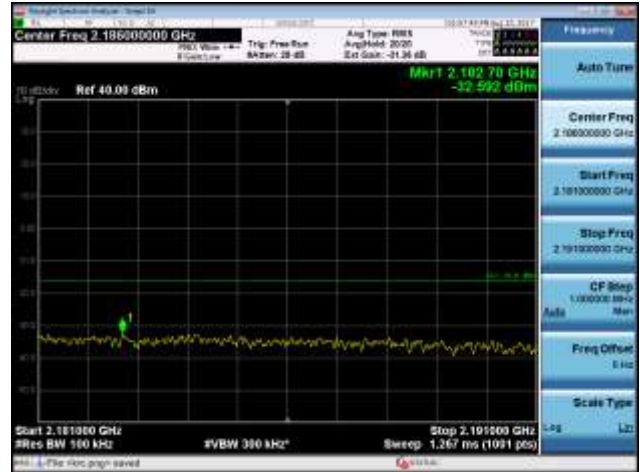
1000 MHz - 2099 MHz



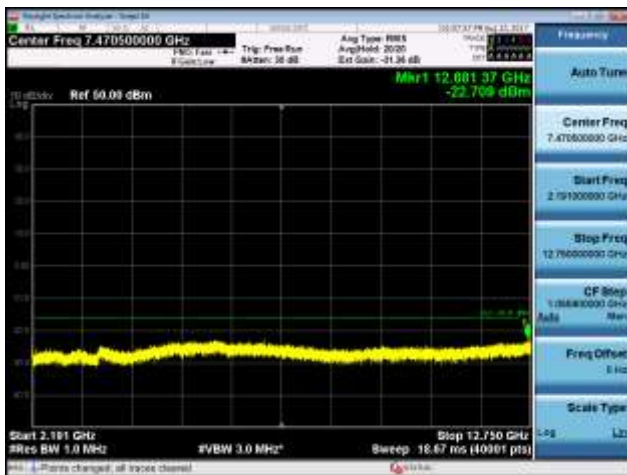
2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz

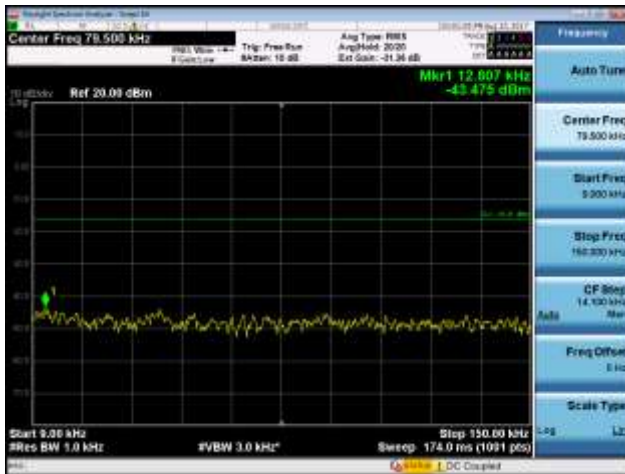


12.75 GHz - 26.5 GHz

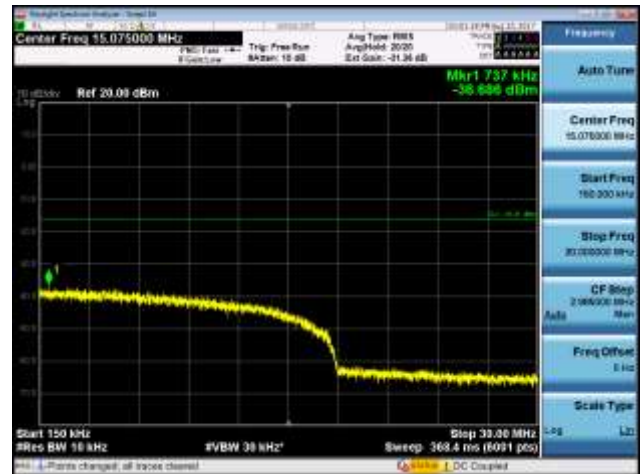


[16QAM]

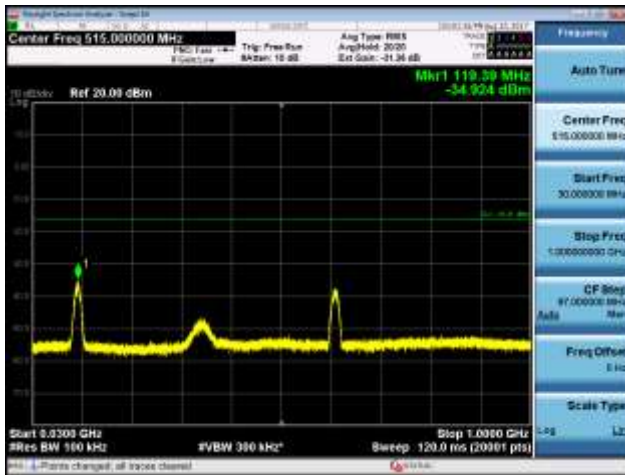
9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz





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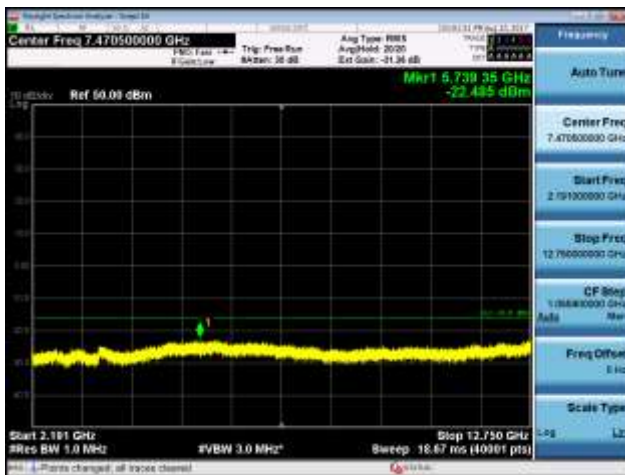
2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz

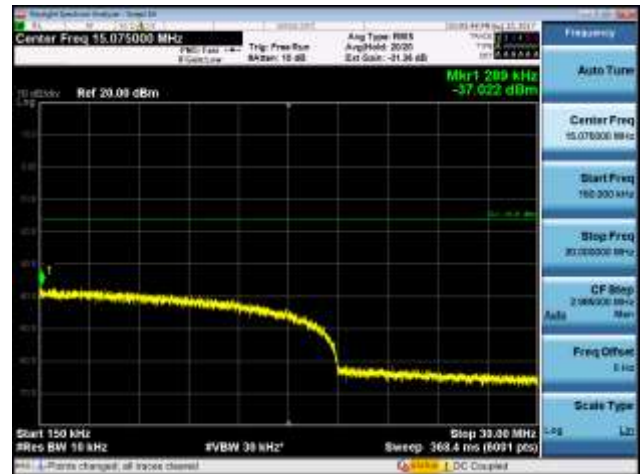


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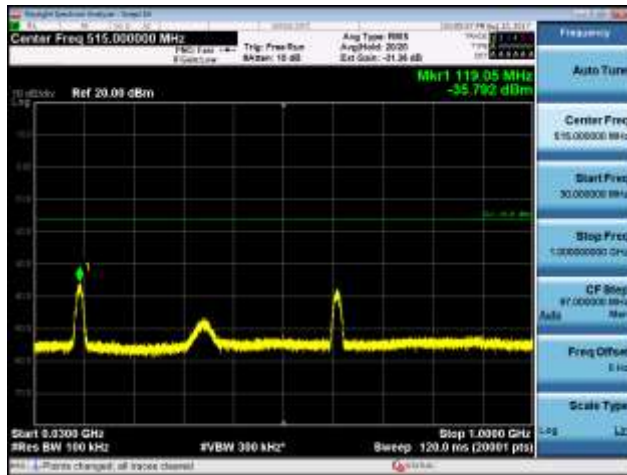
9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1000 MHz



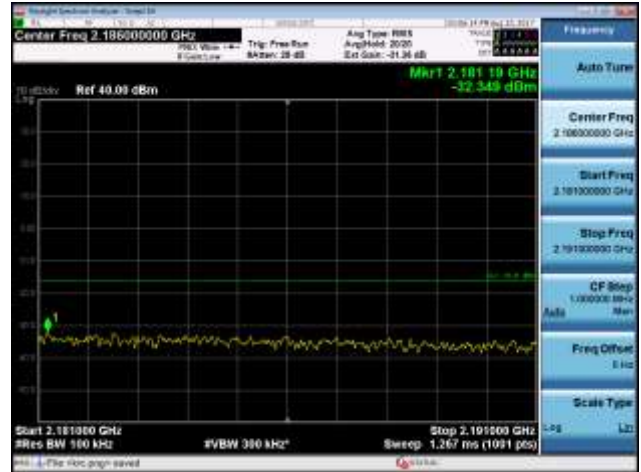
1000 MHz - 2099 MHz



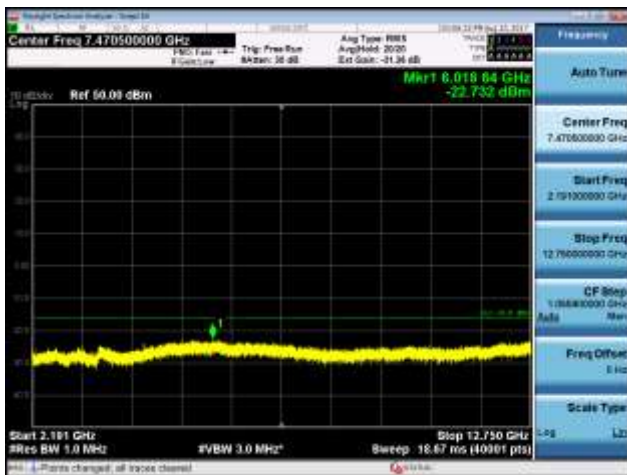
2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz

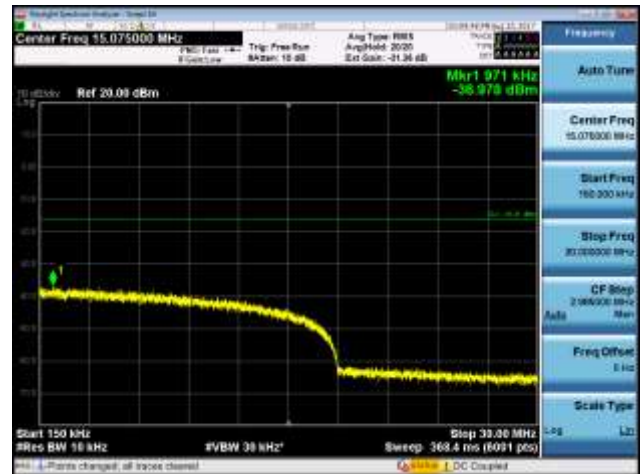


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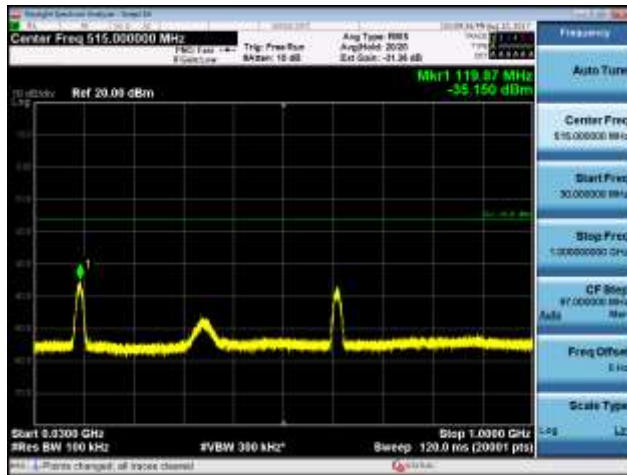
9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz



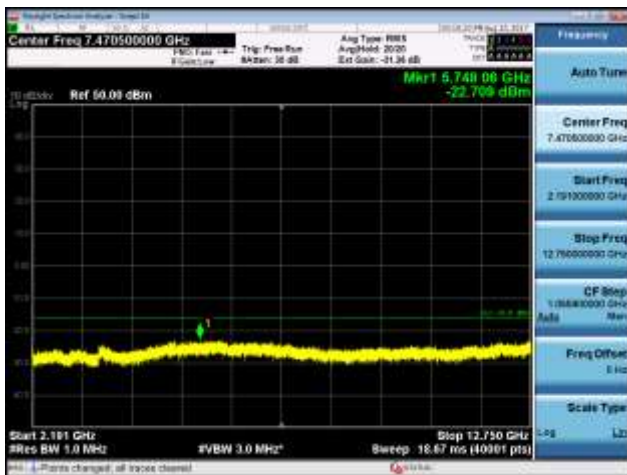
2099 MHz - 2109 MHz



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2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz

