



LTE Band 5					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	5.09	<=13	PASS
	Low	16QAM	5.81	<=13	PASS
	Mid	QPSK	5.44	<=13	PASS
	Mid	16QAM	6.11	<=13	PASS
	High	QPSK	4.93	<=13	PASS
	High	16QAM	6.12	<=13	PASS
3	Low	QPSK	5.15	<=13	PASS
	Low	16QAM	5.94	<=13	PASS
	Mid	QPSK	5.49	<=13	PASS
	Mid	16QAM	6.25	<=13	PASS
	High	QPSK	5.45	<=13	PASS
	High	16QAM	6.19	<=13	PASS
5	Low	QPSK	5.39	<=13	PASS
	Low	16QAM	6.01	<=13	PASS
	Mid	QPSK	5.67	<=13	PASS
	Mid	16QAM	6.22	<=13	PASS
	High	QPSK	5.57	<=13	PASS
	High	16QAM	6.12	<=13	PASS
10	Low	QPSK	5.44	<=13	PASS
	Low	16QAM	6.11	<=13	PASS
	Mid	QPSK	5.65	<=13	PASS
	Mid	16QAM	6.22	<=13	PASS
	High	QPSK	5.46	<=13	PASS
	High	16QAM	6.09	<=13	PASS



LTE Band 7					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
5	Low	QPSK	4.51	<=13	PASS
	Low	16QAM	5.31	<=13	PASS
	Mid	QPSK	4.76	<=13	PASS
	Mid	16QAM	5.48	<=13	PASS
	High	QPSK	4.50	<=13	PASS
	High	16QAM	5.18	<=13	PASS
10	Low	QPSK	4.80	<=13	PASS
	Low	16QAM	5.58	<=13	PASS
	Mid	QPSK	4.78	<=13	PASS
	Mid	16QAM	5.50	<=13	PASS
	High	QPSK	4.50	<=13	PASS
	High	16QAM	5.36	<=13	PASS
15	Low	QPSK	4.51	<=13	PASS
	Low	16QAM	5.37	<=13	PASS
	Mid	QPSK	4.48	<=13	PASS
	Mid	16QAM	5.23	<=13	PASS
	High	QPSK	4.20	<=13	PASS
	High	16QAM	5.09	<=13	PASS
20	Low	QPSK	4.75	<=13	PASS
	Low	16QAM	5.56	<=13	PASS
	Mid	QPSK	4.70	<=13	PASS
	Mid	16QAM	5.45	<=13	PASS
	High	QPSK	4.51	<=13	PASS
	High	16QAM	5.36	<=13	PASS





LTE Band 38					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
5	Low	QPSK	10.52	<=13	PASS
	Low	16QAM	8.54	<=13	PASS
	Mid	QPSK	9.67	<=13	PASS
	Mid	16QAM	10.32	<=13	PASS
	High	QPSK	8.04	<=13	PASS
	High	16QAM	10.65	<=13	PASS
10	Low	QPSK	7.99	<=13	PASS
	Low	16QAM	8.20	<=13	PASS
	Mid	QPSK	7.80	<=13	PASS
	Mid	16QAM	9.23	<=13	PASS
	High	QPSK	7.74	<=13	PASS
	High	16QAM	8.65	<=13	PASS
15	Low	QPSK	8.33	<=13	PASS
	Low	16QAM	9.89	<=13	PASS
	Mid	QPSK	10.05	<=13	PASS
	Mid	16QAM	11.03	<=13	PASS
	High	QPSK	9.27	<=13	PASS
	High	16QAM	8.72	<=13	PASS
20	Low	QPSK	8.27	<=13	PASS
	Low	16QAM	8.60	<=13	PASS
	Mid	QPSK	10.56	<=13	PASS
	Mid	16QAM	9.58	<=13	PASS
	High	QPSK	8.20	<=13	PASS
	High	16QAM	9.17	<=13	PASS



LTE Band 40, Block A					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
5	Low	QPSK	9.07	<=13	PASS
	Low	16QAM	9.24	<=13	PASS
	Mid	QPSK	9.40	<=13	PASS
	Mid	16QAM	9.01	<=13	PASS
	High	QPSK	8.96	<=13	PASS
	High	16QAM	9.00	<=13	PASS
10	Mid	QPSK	9.10	<=13	PASS
	Mid	16QAM	9.58	<=13	PASS

LTE Band 40, Block B					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
5	Low	QPSK	9.38	<=13	PASS
	Low	16QAM	9.12	<=13	PASS
	Mid	QPSK	8.69	<=13	PASS
	Mid	16QAM	9.10	<=13	PASS
	High	QPSK	9.88	<=13	PASS
	High	16QAM	9.28	<=13	PASS
10	Mid	QPSK	9.37	<=13	PASS
	Mid	16QAM	9.13	<=13	PASS



LTE Band 41					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
5	Low	QPSK	7.67	≤ 13	PASS
	Low	16QAM	11.37	≤ 13	PASS
	Mid	QPSK	9.48	≤ 13	PASS
	Mid	16QAM	8.43	≤ 13	PASS
	High	QPSK	6.94	≤ 13	PASS
	High	16QAM	10.99	≤ 13	PASS
10	Low	QPSK	8.31	≤ 13	PASS
	Low	16QAM	9.67	≤ 13	PASS
	Mid	QPSK	8.65	≤ 13	PASS
	Mid	16QAM	9.62	≤ 13	PASS
	High	QPSK	8.37	≤ 13	PASS
	High	16QAM	9.45	≤ 13	PASS
15	Low	QPSK	10.96	≤ 13	PASS
	Low	16QAM	8.04	≤ 13	PASS
	Mid	QPSK	7.84	≤ 13	PASS
	Mid	16QAM	10.27	≤ 13	PASS
	High	QPSK	5.93	≤ 13	PASS
	High	16QAM	7.59	≤ 13	PASS
20	Low	QPSK	9.03	≤ 13	PASS
	Low	16QAM	10.77	≤ 13	PASS
	Mid	QPSK	7.15	≤ 13	PASS
	Mid	16QAM	9.08	≤ 13	PASS
	High	QPSK	9.88	≤ 13	PASS
	High	16QAM	8.59	≤ 13	PASS





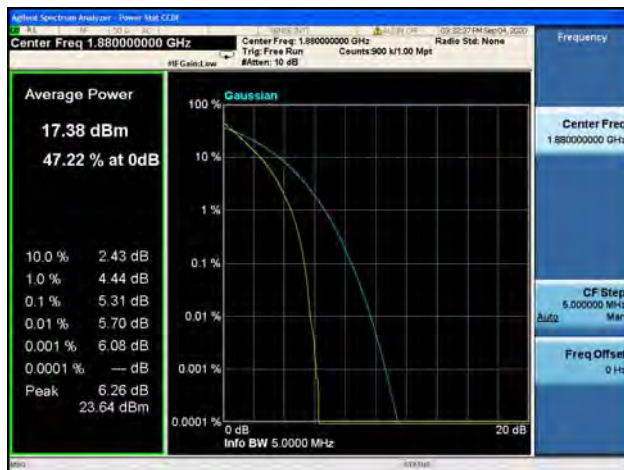
Band2 / 1.4MHz / Low CH / QPSK



Band2 / 1.4MHz / Low CH / 16QAM



Band2 / 1.4MHz / Mid CH / QPSK



Band2 / 1.4MHz / Mid CH / 16QAM



Band2 / 1.4MHz / High CH / QPSK



Band2 / 1.4MHz / High CH / 16QAM

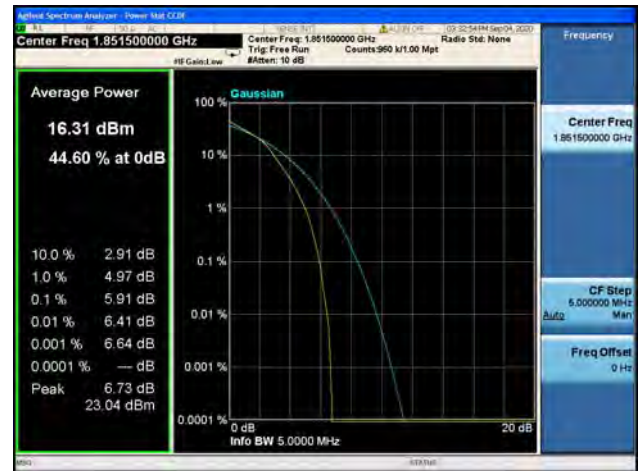




Band2 / 3MHz / Low CH / QPSK



Band2 / 3MHz / Low CH / 16QAM



Band2 / 3MHz / Mid CH / QPSK



Band2 / 3MHz / Mid CH / 16QAM



Band2 / 3MHz / High CH / QPSK



Band2 / 3MHz / High CH / 16QAM





Band2 / 5MHz / Low CH / QPSK



Band2 / 5MHz / Low CH / 16QAM



Band2 / 5MHz / Mid CH / QPSK



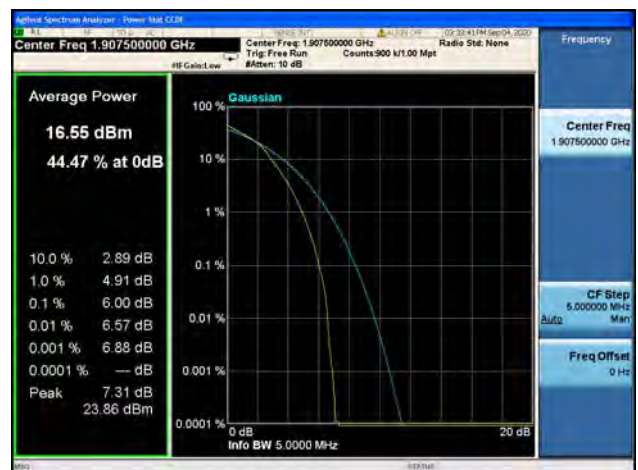
Band2 / 5MHz / Mid CH / 16QAM



Band2 / 5MHz / High CH / QPSK

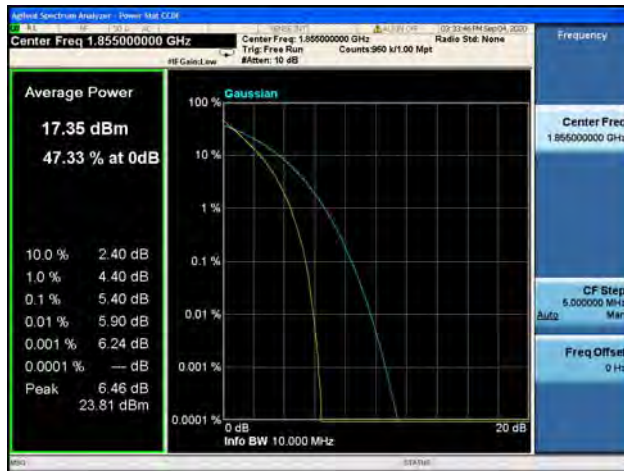


Band2 / 5MHz / High CH / 16QAM





Band2 / 10MHz / Low CH / QPSK



Band2 / 10MHz / Low CH / 16QAM



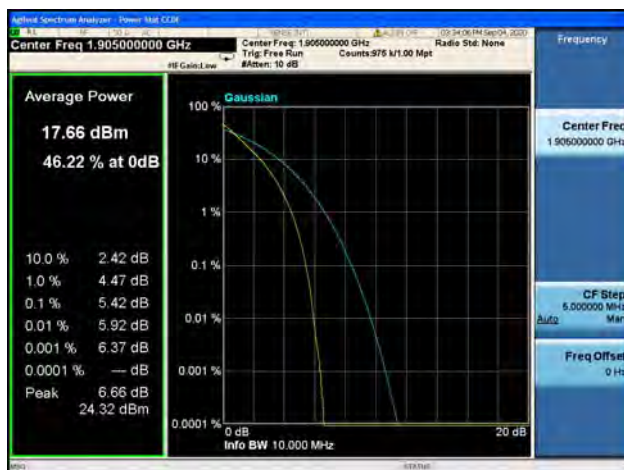
Band2 / 10MHz / Mid CH / QPSK



Band2 / 10MHz / Mid CH / 16QAM



Band2 / 10MHz / High CH / QPSK



Band2 / 10MHz / High CH / 16QAM





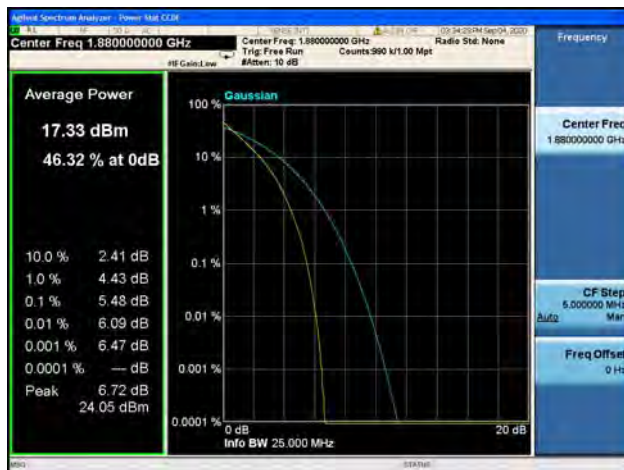
Band2 / 15MHz / Low CH / QPSK



Band2 / 15MHz / Low CH / 16QAM



Band2 / 15MHz / Mid CH / QPSK



Band2 / 15MHz / Mid CH / 16QAM



Band2 / 15MHz / High CH / QPSK



Band2 / 15MHz / High CH / 16QAM



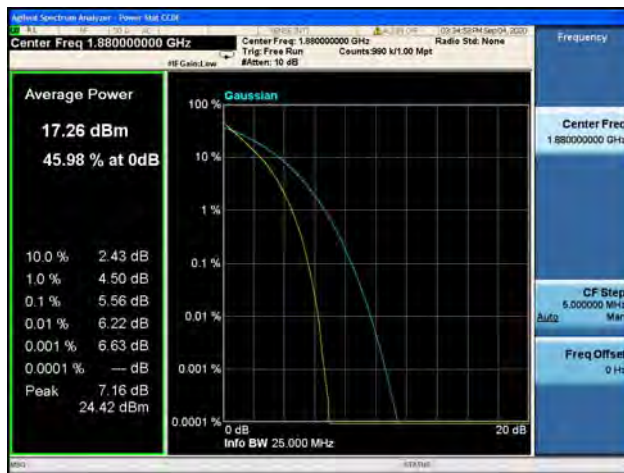
Band2 / 20MHz / Low CH / QPSK



Band2 / 20MHz / Low CH / 16QAM



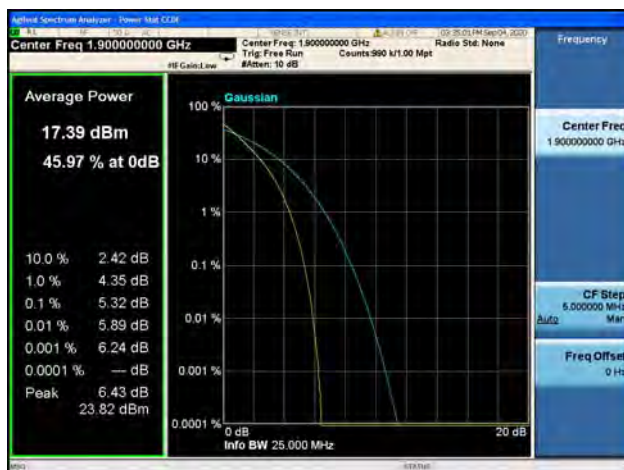
Band2 / 20MHz / Mid CH / QPSK



Band2 / 20MHz / Mid CH / 16QAM



Band2 / 20MHz / High CH / QPSK



Band2 / 20MHz / High CH / 16QAM





Band4 / 1.4MHz / Low CH / QPSK



Band4 / 1.4MHz / Low CH / 16QAM



Band4 / 1.4MHz / Mid CH / QPSK



Band4 / 1.4MHz / Mid CH / 16QAM



Band4 / 1.4MHz / High CH / QPSK



Band4 / 1.4MHz / High CH / 16QAM





Band4 / 3MHz / Low CH / QPSK



Band4 / 3MHz / Low CH / 16QAM



Band4 / 3MHz / Mid CH / QPSK



Band4 / 3MHz / Mid CH / 16QAM



Band4 / 3MHz / High CH / QPSK



Band4 / 3MHz / High CH / 16QAM





Band4 / 5MHz / Low CH / QPSK



Band4 / 5MHz / Low CH / 16QAM



Band4 / 5MHz / Mid CH / QPSK



Band4 / 5MHz / Mid CH / 16QAM



Band4 / 5MHz / High CH / QPSK



Band4 / 5MHz / High CH / 16QAM



Band4 / 10MHz / Low CH / QPSK



Band4 / 10MHz / Low CH / 16QAM



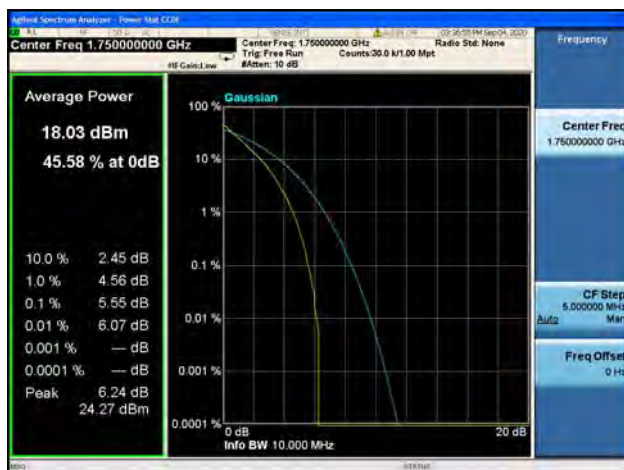
Band4 / 10MHz / Mid CH / QPSK



Band4 / 10MHz / Mid CH / 16QAM



Band4 / 10MHz / High CH / QPSK



Band4 / 10MHz / High CH / 16QAM



Band4 / 15MHz / Low CH / QPSK



Band4 / 15MHz / Low CH / 16QAM



Band4 / 15MHz / Mid CH / QPSK



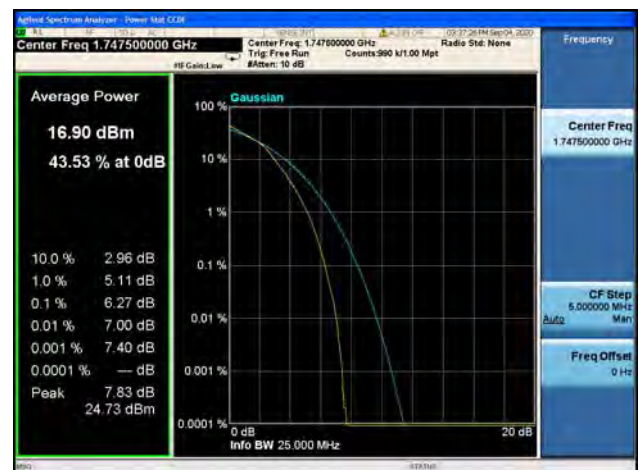
Band4 / 15MHz / Mid CH / 16QAM



Band4 / 15MHz / High CH / QPSK



Band4 / 15MHz / High CH / 16QAM





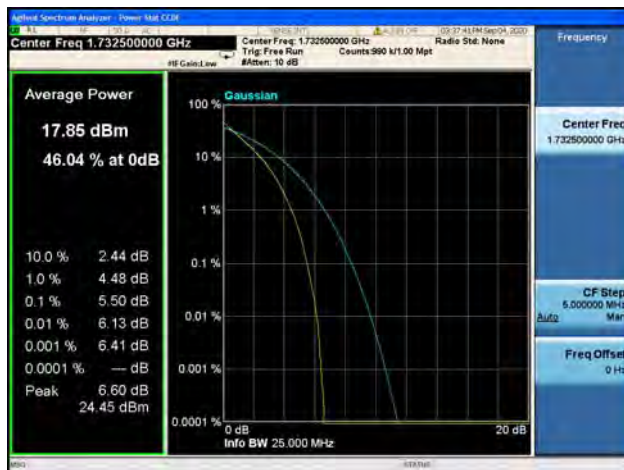
Band4 / 20MHz / Low CH / QPSK



Band4 / 20MHz / Low CH / 16QAM



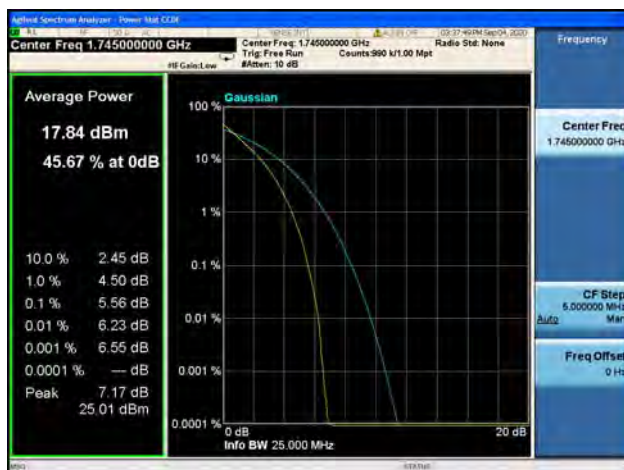
Band4 / 20MHz / Mid CH / QPSK



Band4 / 20MHz / Mid CH / 16QAM



Band4 / 20MHz / High CH / QPSK



Band4 / 20MHz / High CH / 16QAM





Band5 / 1.4MHz / Low CH / QPSK



Band5 / 1.4MHz / Low CH / 16QAM



Band5 / 1.4MHz / Mid CH / QPSK



Band5 / 1.4MHz / Mid CH / 16QAM



Band5 / 1.4MHz / High CH / QPSK



Band5 / 1.4MHz / High CH / 16QAM





Band5 / 3MHz / Low CH / QPSK



Band5 / 3MHz / Low CH / 16QAM



Band5 / 3MHz / Mid CH / QPSK



Band5 / 3MHz / Mid CH / 16QAM



Band5 / 3MHz / High CH / QPSK



Band5 / 3MHz / High CH / 16QAM





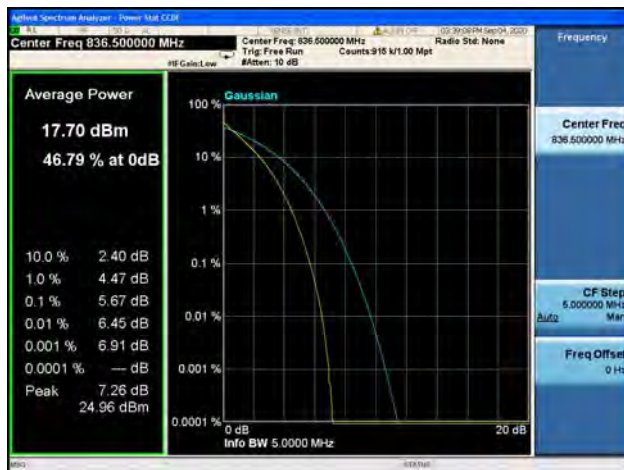
Band5 / 5MHz / Low CH / QPSK



Band5 / 5MHz / Low CH / 16QAM



Band5 / 5MHz / Mid CH / QPSK



Band5 / 5MHz / Mid CH / 16QAM



Band5 / 5MHz / High CH / QPSK



Band5 / 5MHz / High CH / 16QAM





Band5 / 10MHz / Low CH / QPSK



Band5 / 10MHz / Low CH / 16QAM



Band5 / 10MHz / Mid CH / QPSK



Band5 / 10MHz / Mid CH / 16QAM



Band5 / 10MHz / High CH / QPSK



Band5 / 10MHz / High CH / 16QAM



Band7 / 5MHz / Low CH / QPSK



Band7 / 5MHz / Low CH / 16QAM



Band7 / 5MHz / Mid CH / QPSK



Band7 / 5MHz / Mid CH / 16QAM



Band7 / 5MHz / High CH / QPSK



Band7 / 5MHz / High CH / 16QAM



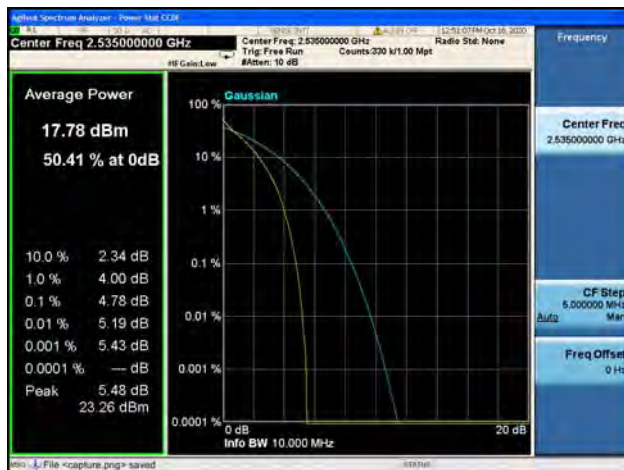
Band7 / 10MHz / Low CH / QPSK



Band7 / 10MHz / Low CH / 16QAM



Band7 / 10MHz / Mid CH / QPSK



Band7 / 10MHz / Mid CH / 16QAM



Band7 / 10MHz / High CH / QPSK



Band7 / 10MHz / High CH / 16QAM



Band7 / 15MHz / Low CH / QPSK



Band7 / 15MHz / Low CH / 16QAM



Band7 / 15MHz / Mid CH / QPSK



Band7 / 15MHz / Mid CH / 16QAM



Band7 / 15MHz / High CH / QPSK



Band7 / 15MHz / High CH / 16QAM





Band7 / 20MHz / Low CH / QPSK



Band7 / 20MHz / Low CH / 16QAM



Band7 / 20MHz / Mid CH / QPSK



Band7 / 20MHz / Mid CH / 16QAM



Band7 / 20MHz / High CH / QPSK



Band7 / 20MHz / High CH / 16QAM



Band38 / 5MHz / Low CH / QPSK



Band38 / 5MHz / Low CH / 16QAM



Band38 / 5MHz / Mid CH / QPSK



Band38 / 5MHz / Mid CH / 16QAM



Band38 / 5MHz / High CH / QPSK



Band38 / 5MHz / High CH / 16QAM

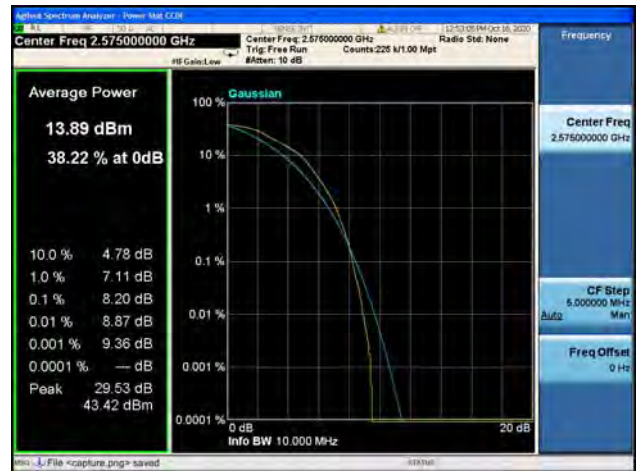




Band38 / 10MHz / Low CH / QPSK



Band38 / 10MHz / Low CH / 16QAM



Band38 / 10MHz / Mid CH / QPSK



Band38 / 10MHz / Mid CH / 16QAM



Band38 / 10MHz / High CH / QPSK



Band38 / 10MHz / High CH / 16QAM





Band38 / 15MHz / Low CH / QPSK



Band38 / 15MHz / Low CH / 16QAM



Band38 / 15MHz / Mid CH / QPSK



Band38 / 15MHz / Mid CH / 16QAM



Band38 / 15MHz / High CH / QPSK



Band38 / 15MHz / High CH / 16QAM



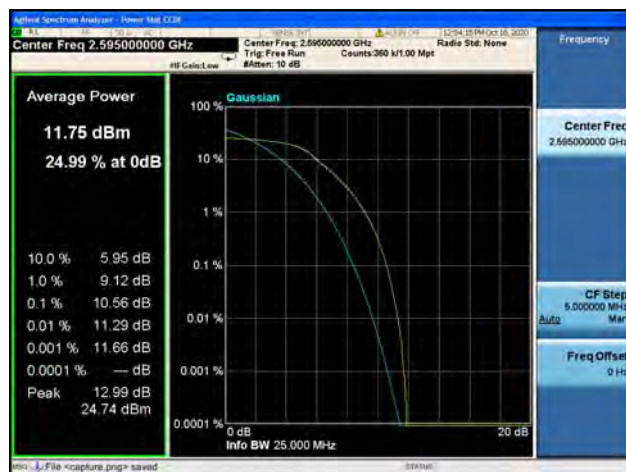
Band38 / 20MHz / Low CH / QPSK



Band38 / 20MHz / Low CH / 16QAM



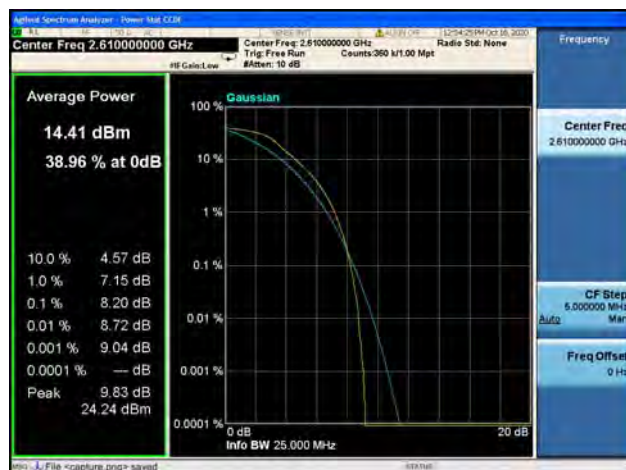
Band38 / 20MHz / Mid CH / QPSK



Band38 / 20MHz / Mid CH / 16QAM



Band38 / 20MHz / High CH / QPSK



Band38 / 20MHz / High CH / 16QAM



Band40/ Block A / 5MHz / Low CH / QPSK



Band40/ Block A / 5MHz / Low CH / 16QAM



Band40/ Block A / 5MHz / Mid CH / QPSK



Band40/ Block A / 5MHz / Mid CH / 16QAM



Band40/ Block A / 5MHz / High CH / QPSK



Band40/ Block A / 5MHz / High CH / 16QAM





Band40/ Block A / 10MHz / Mid CH / QPSK



Band40/ Block A / 10MHz / Mid CH / 16QAM



Band40/ Block B / 5MHz / Low CH / QPSK



Band40/ Block B / 5MHz / Low CH / 16QAM



Band40/ Block B / 5MHz / Mid CH / QPSK



Band40/ Block B / 5MHz / Mid CH / 16QAM



Band40/ Block B / 5MHz / High CH / QPSK

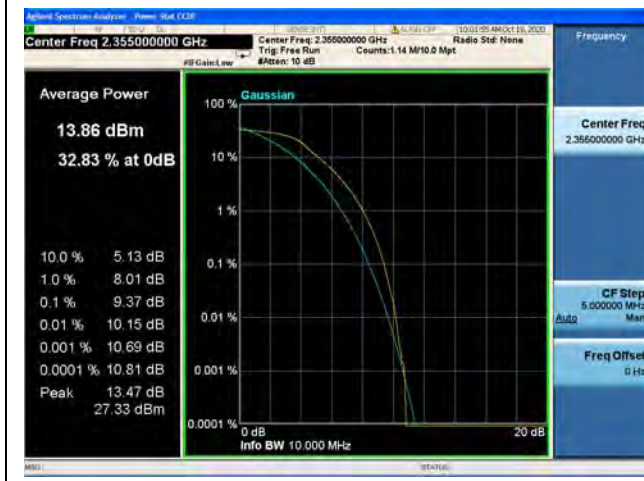


Band40/ Block B / 5MHz / High CH / 16QAM





Band40/ Block B / 10MHz / Mid CH / QPSK



Band40/ Block B / 10MHz / Mid CH / 16QAM



Band41 / 5MHz / Low CH / QPSK



Band41 / 5MHz / Low CH / 16QAM



Band41 / 5MHz / Mid CH / QPSK



Band41 / 5MHz / Mid CH / 16QAM



Band41 / 5MHz / High CH / QPSK



Band41 / 5MHz / High CH / 16QAM



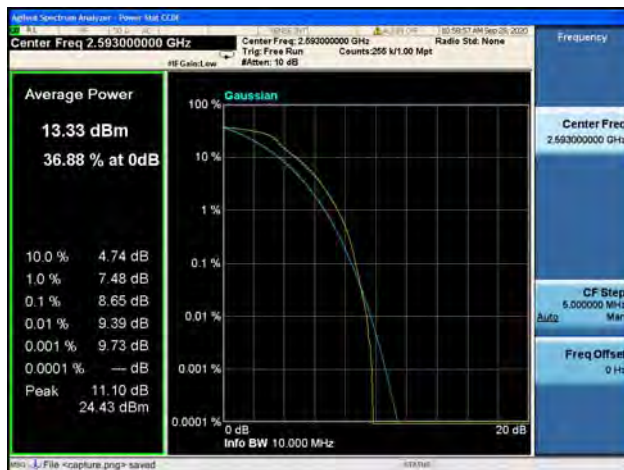
Band41 / 10MHz / Low CH / QPSK



Band41 / 10MHz / Low CH / 16QAM



Band41 / 10MHz / Mid CH / QPSK



Band41 / 10MHz / Mid CH / 16QAM



Band41 / 10MHz / High CH / QPSK



Band41 / 10MHz / High CH / 16QAM



Band41 / 15MHz / Low CH / QPSK



Band41 / 15MHz / Low CH / 16QAM



Band41 / 15MHz / Mid CH / QPSK



Band41 / 15MHz / Mid CH / 16QAM



Band41 / 15MHz / High CH / QPSK



Band41 / 15MHz / High CH / 16QAM





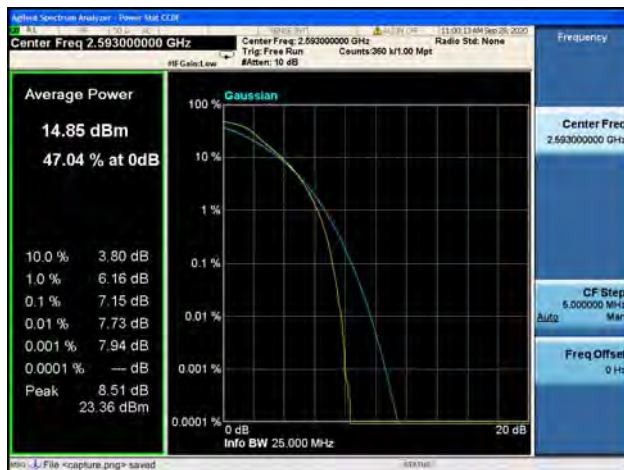
Band41 / 20MHz / Low CH / QPSK



Band41 / 20MHz / Low CH / 16QAM



Band41 / 20MHz / Mid CH / QPSK



Band41 / 20MHz / Mid CH / 16QAM



Band41 / 20MHz / High CH / QPSK



Band41 / 20MHz / High CH / 16QAM



2.5. Conducted Spurious Emissions

2.5.1. Requirement

According to FCC section 2.1051, 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. This calculated to be -13dBm.

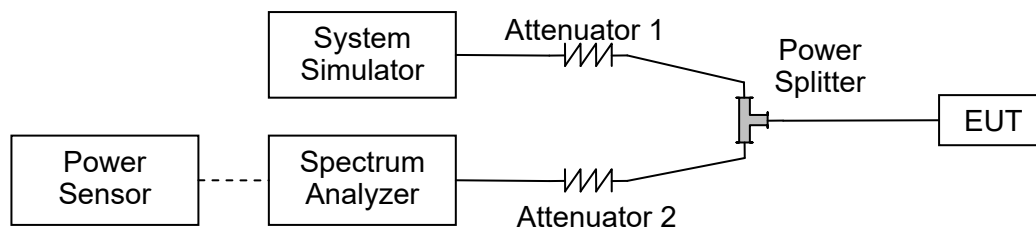
Additional requirement for LTE Band 7/38/41:

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 $55 + 10 \log(P)$ dB. This calculated to be -25dBm.

Additional requirement for LTE Band 30/40:

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $70 + 10 \log(P)$ dB. This calculated to be -40dBm.

2.5.2. Test Description



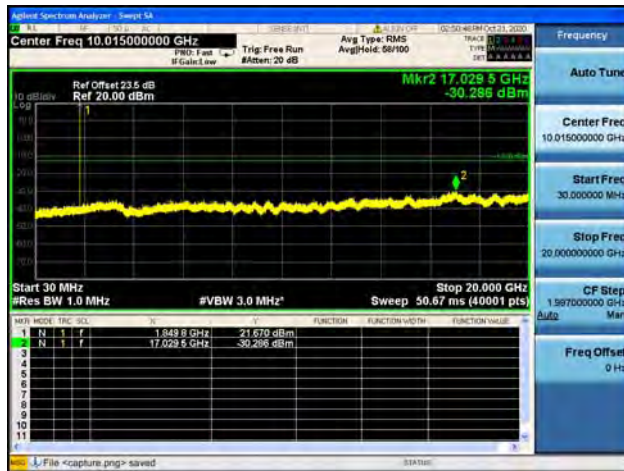
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.5.3. Test procedure

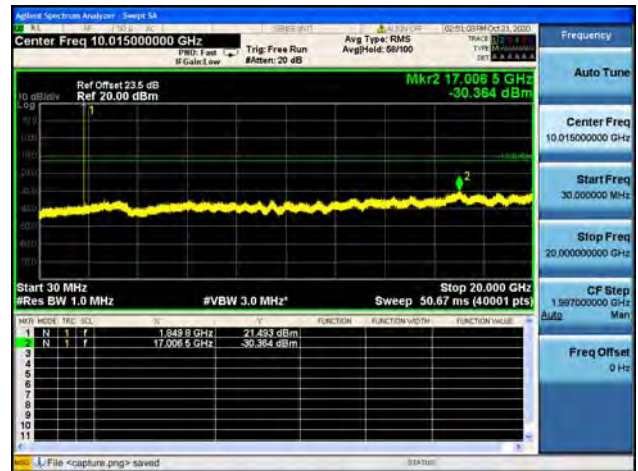
KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.

2.5.4. Test Result

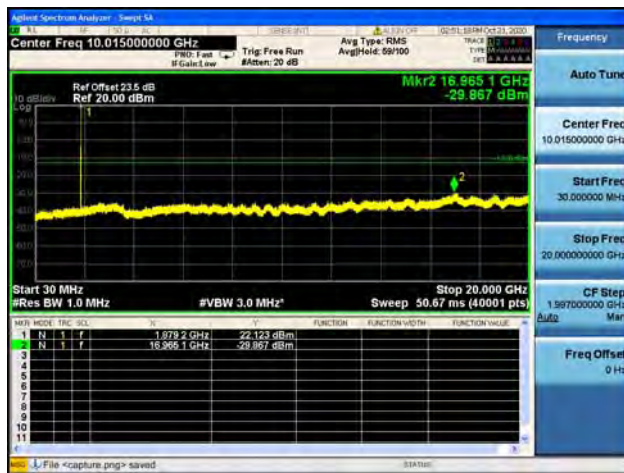
Band2 / 1.4MHz / Low CH / QPSK



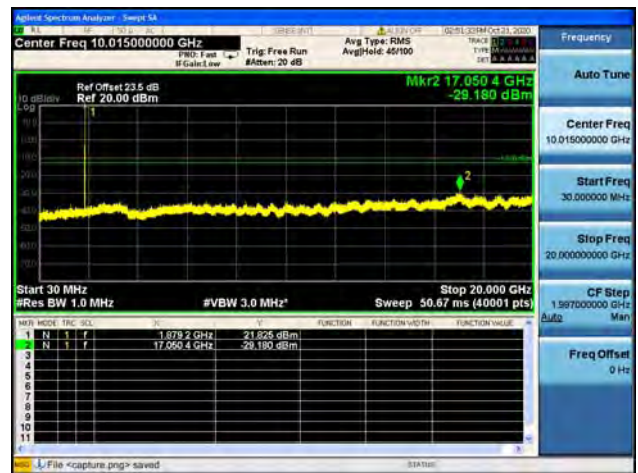
Band2 / 1.4MHz / Low CH / 16QAM



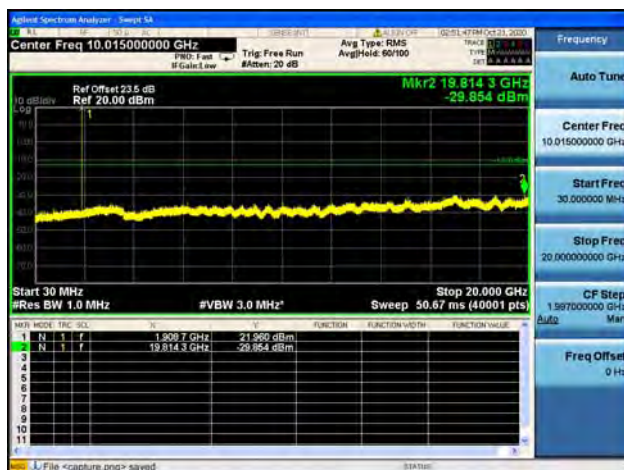
Band2 / 1.4MHz / Mid CH / QPSK



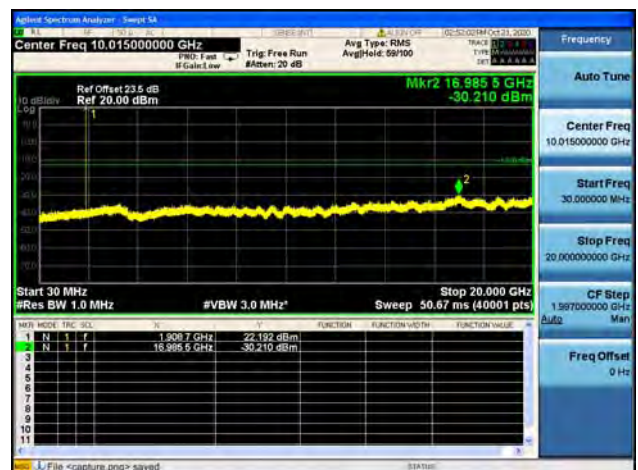
Band2 / 1.4MHz / Mid CH / 16QAM



Band2 / 1.4MHz / High CH / QPSK

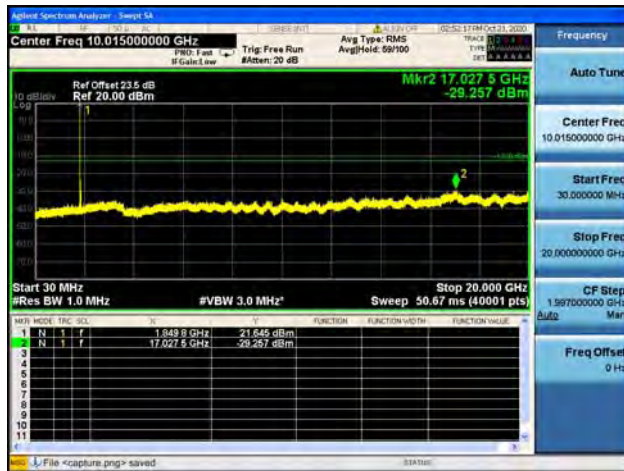


Band2 / 1.4MHz / High CH / 16QAM





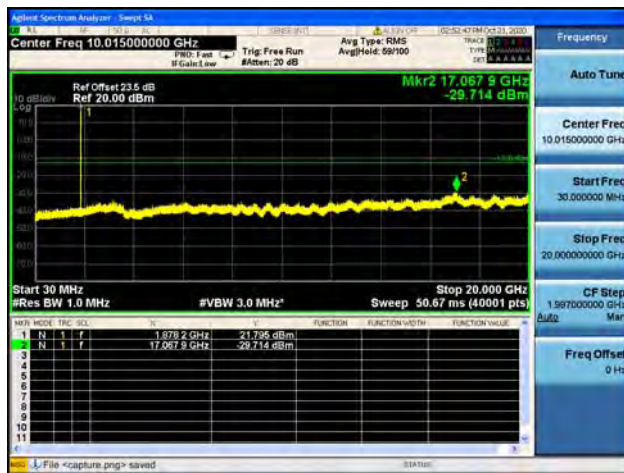
Band2 / 3MHz / Low CH / QPSK



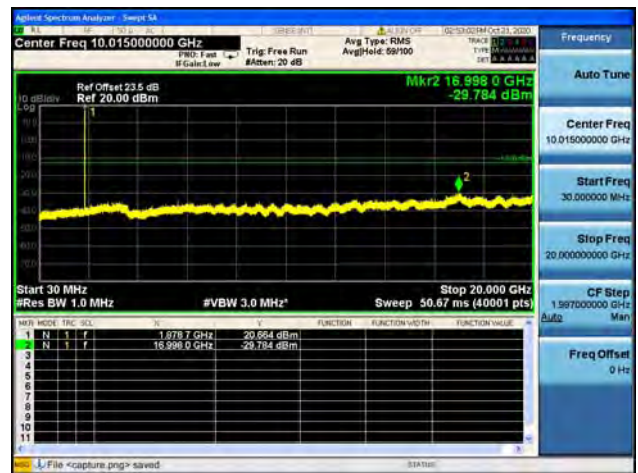
Band2 / 3MHz / Low CH / 16QAM



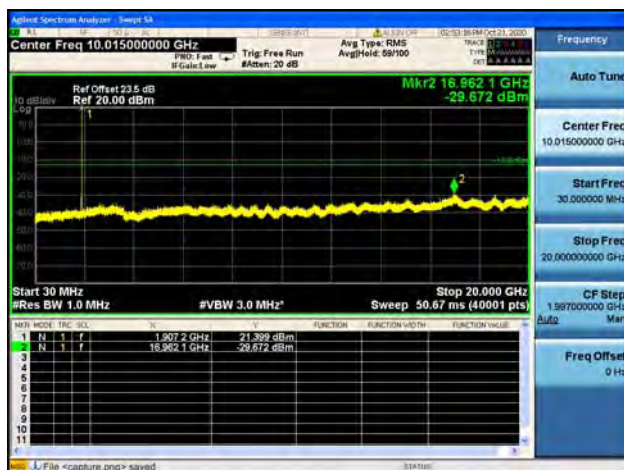
Band2 / 3MHz / Mid CH / QPSK



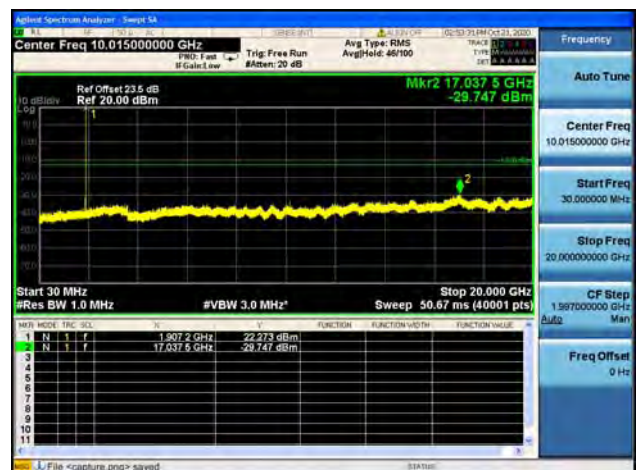
Band2 / 3MHz / Mid CH / 16QAM



Band2 / 3MHz / High CH / QPSK

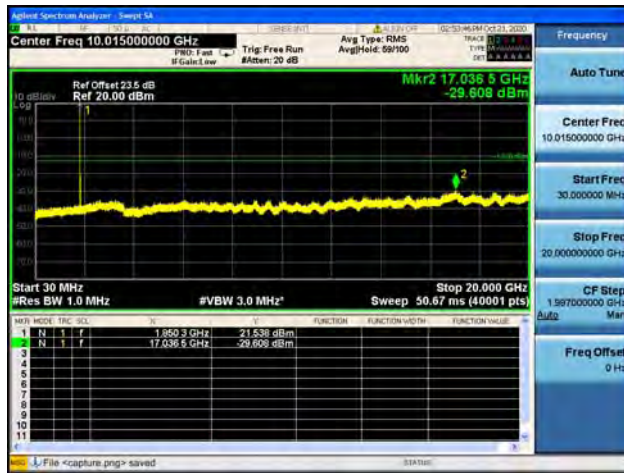


Band2 / 3MHz / High CH / 16QAM

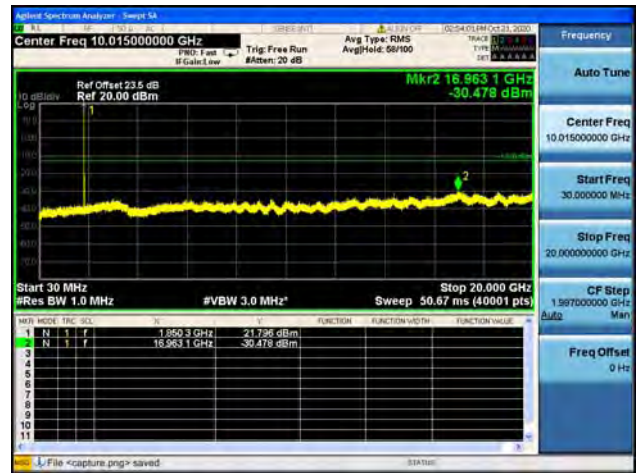




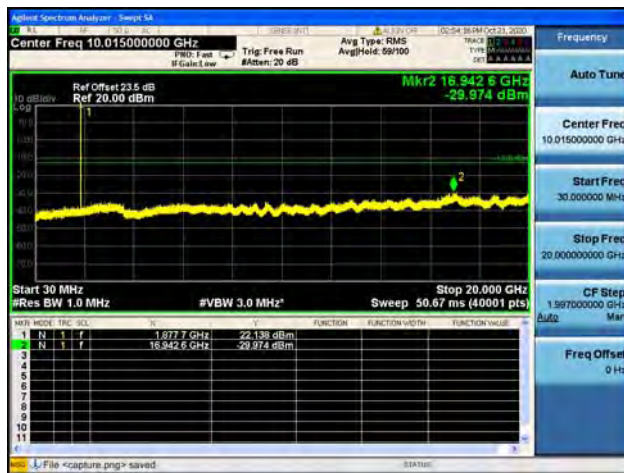
Band2 / 5MHz / Low CH / QPSK



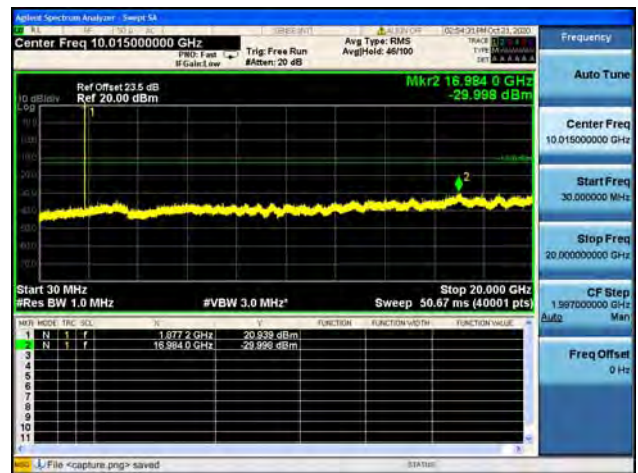
Band2 / 5MHz / Low CH / 16QAM



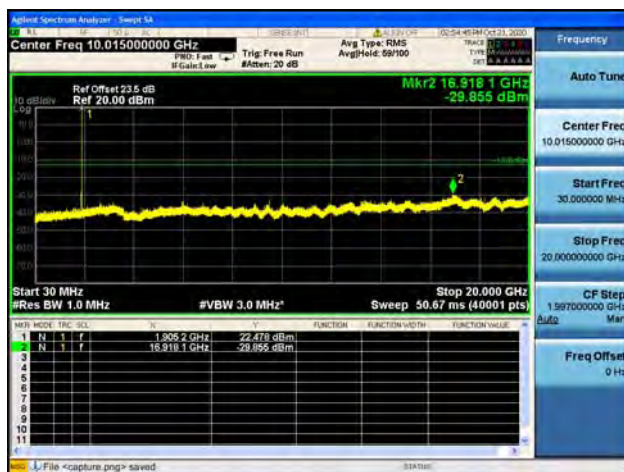
Band2 / 5MHz / Mid CH / QPSK



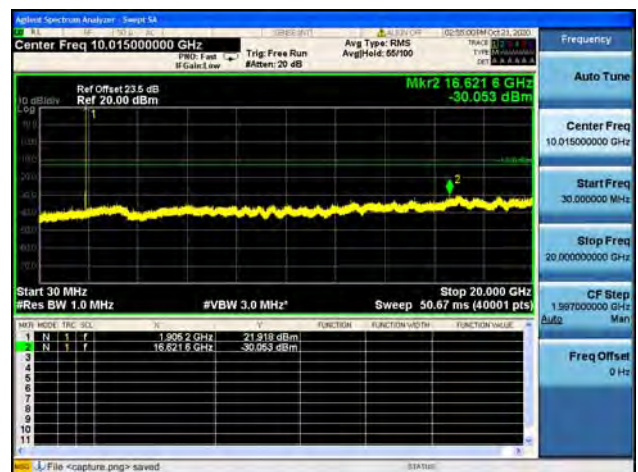
Band2 / 5MHz / Mid CH / 16QAM



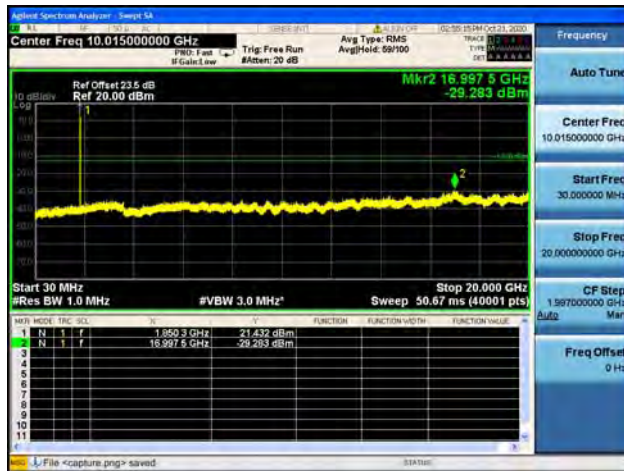
Band2 / 5MHz / High CH / QPSK



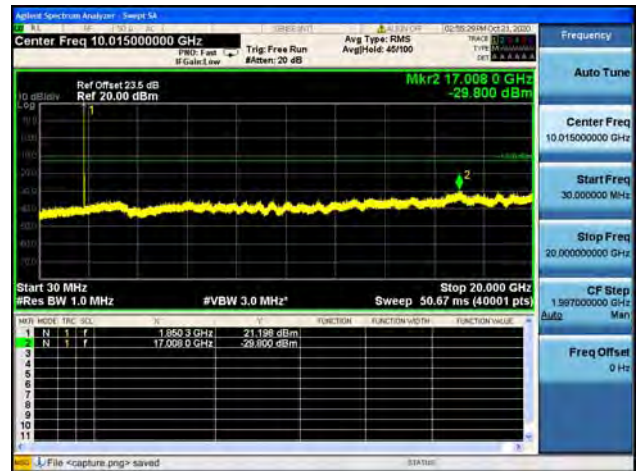
Band2 / 5MHz / High CH / 16QAM



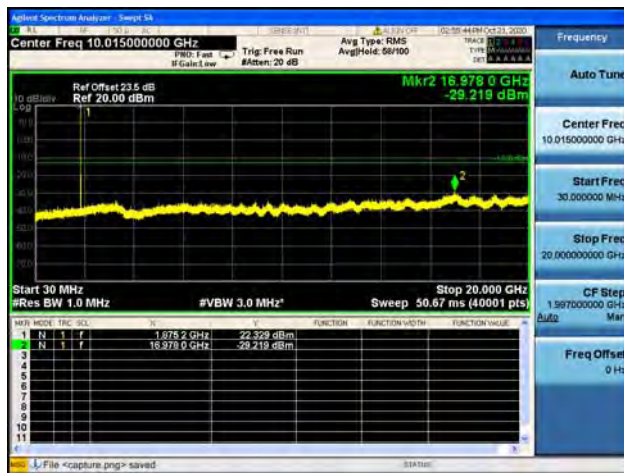
Band2 / 10MHz / Low CH / QPSK



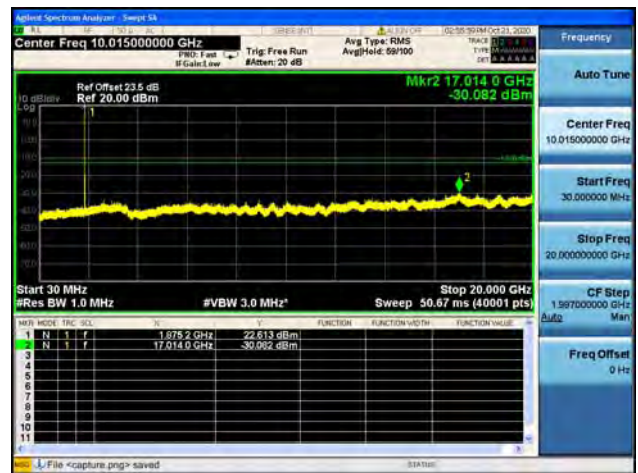
Band2 / 10MHz / Low CH / 16QAM



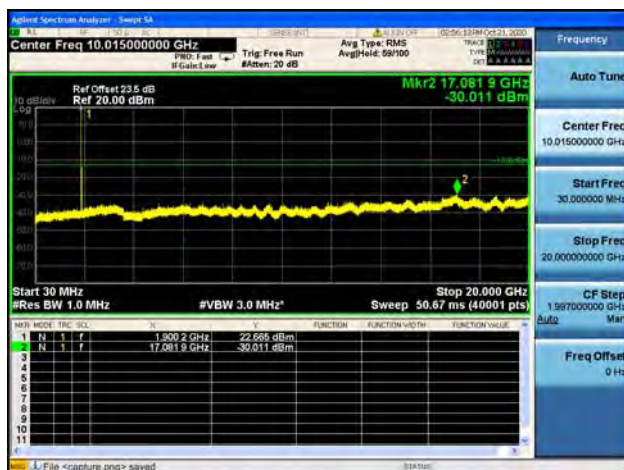
Band2 / 10MHz / Mid CH / QPSK



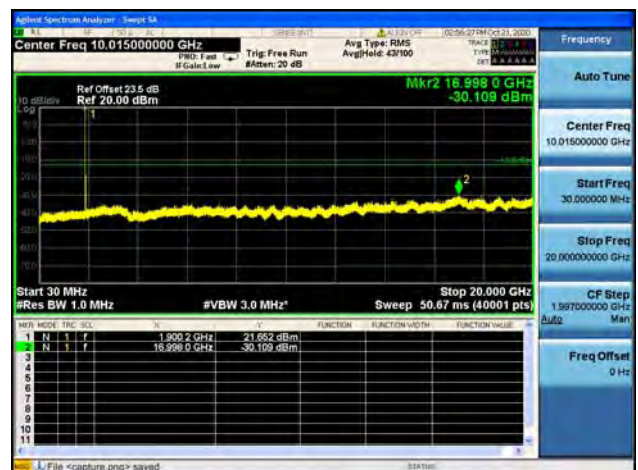
Band2 / 10MHz / Mid CH / 16QAM



Band2 / 10MHz / High CH / QPSK

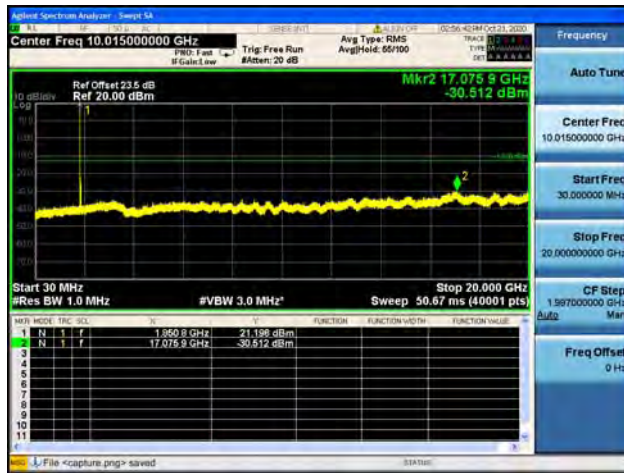


Band2 / 10MHz / High CH / 16QAM

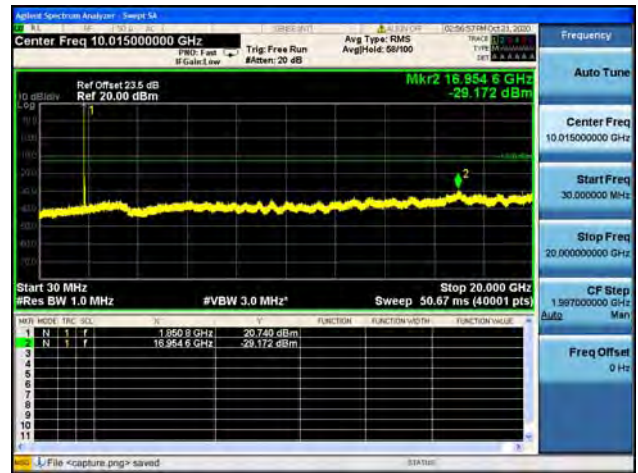




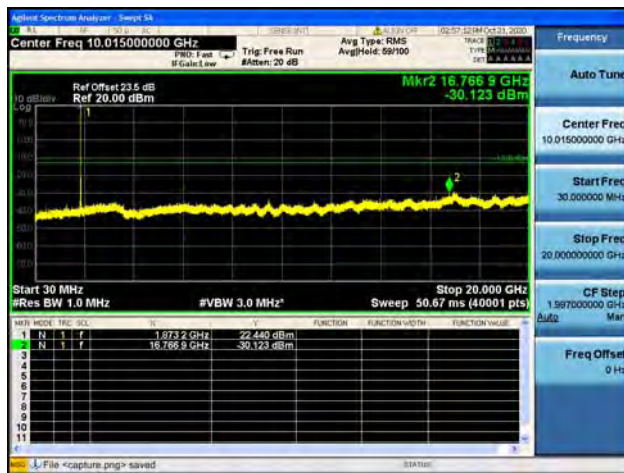
Band2 / 15MHz / Low CH / QPSK



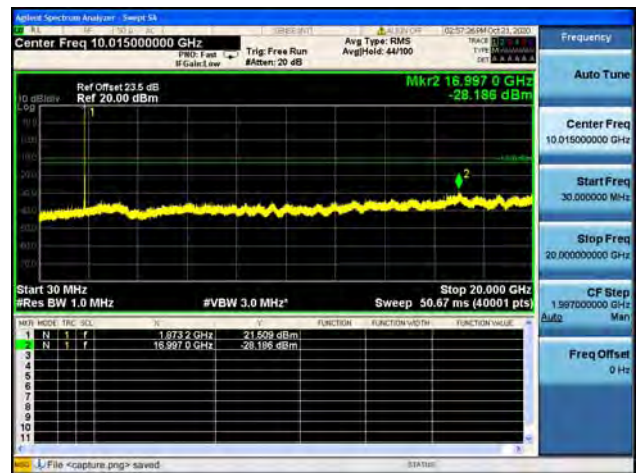
Band2 / 15MHz / Low CH / 16QAM



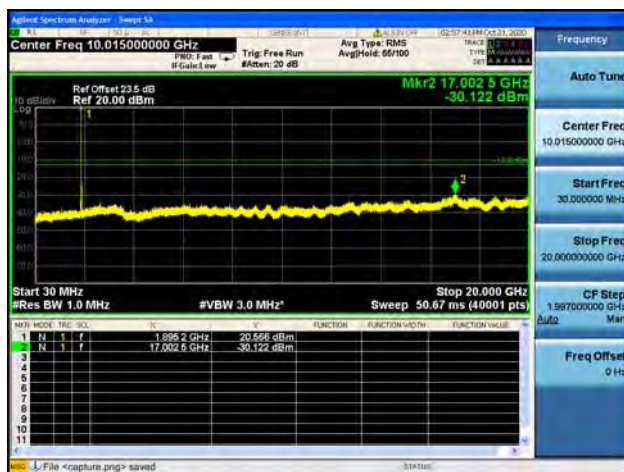
Band2 / 15MHz / Mid CH / QPSK



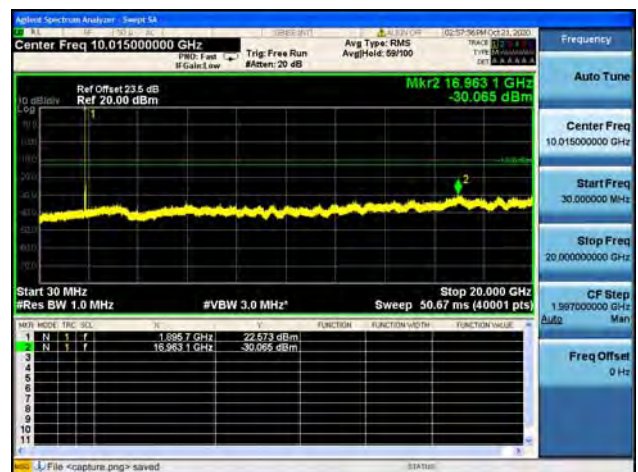
Band2 / 15MHz / Mid CH / 16QAM



Band2 / 15MHz / High CH / QPSK

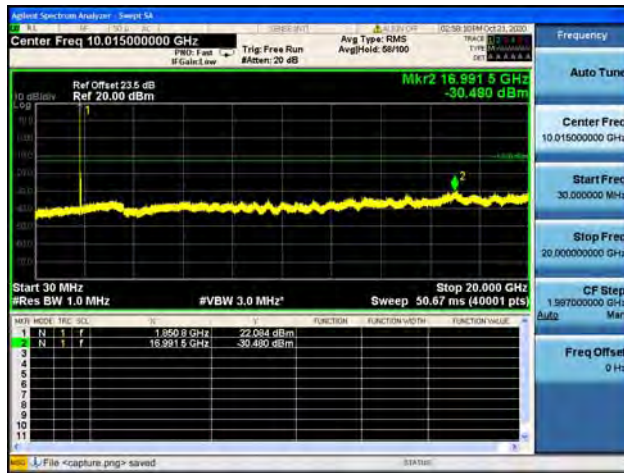


Band2 / 15MHz / High CH / 16QAM

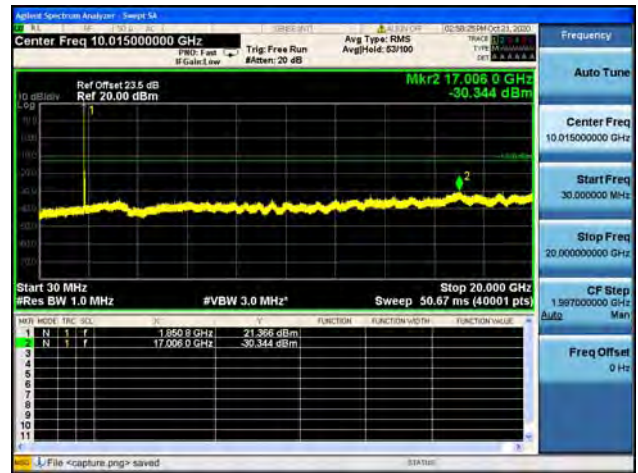




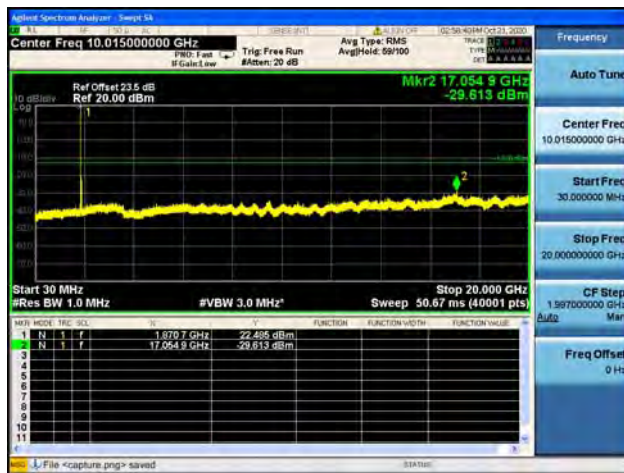
Band2 / 20MHz / Low CH / QPSK



Band2 / 20MHz / Low CH / 16QAM



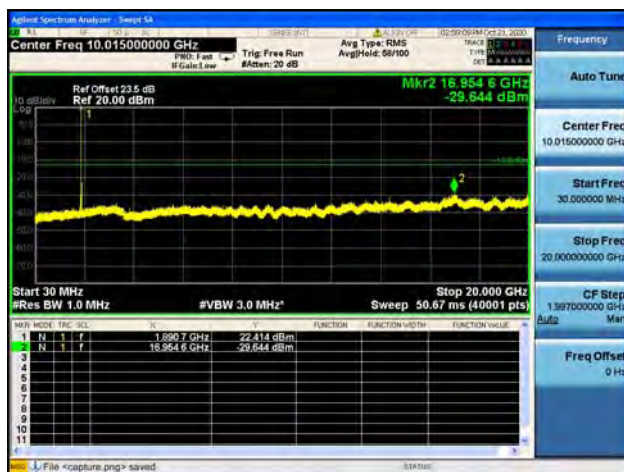
Band2 / 20MHz / Mid CH / QPSK



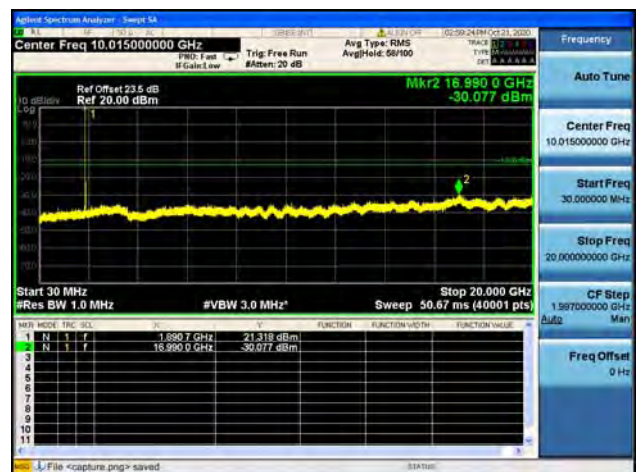
Band2 / 20MHz / Mid CH / 16QAM



Band2 / 20MHz / High CH / QPSK

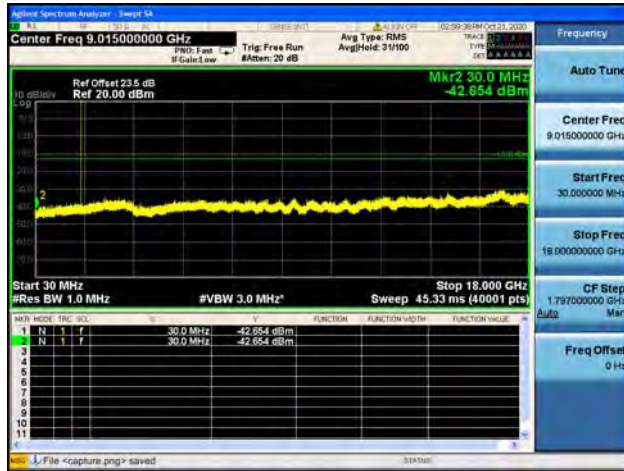


Band2 / 20MHz / High CH / 16QAM

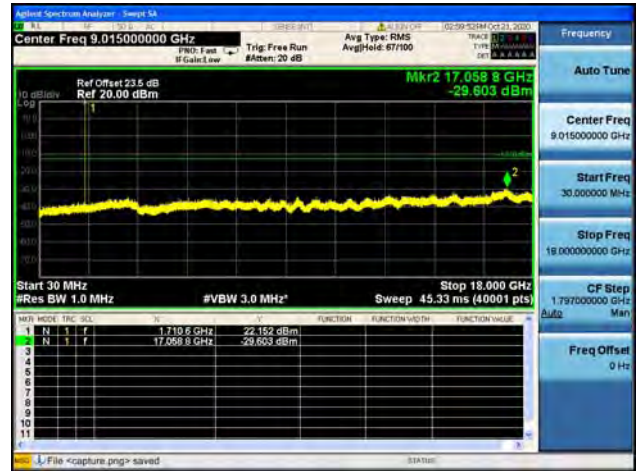




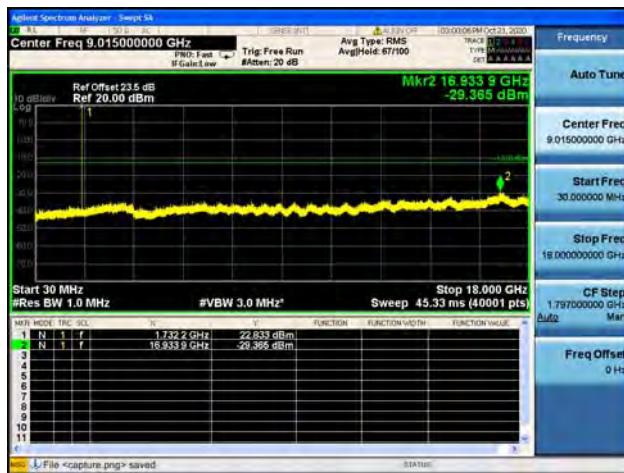
Band4 / 1.4MHz / Low CH / QPSK



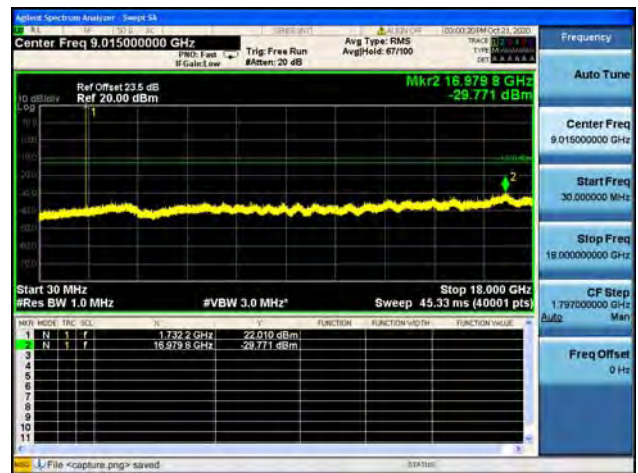
Band4 / 1.4MHz / Low CH / 16QAM



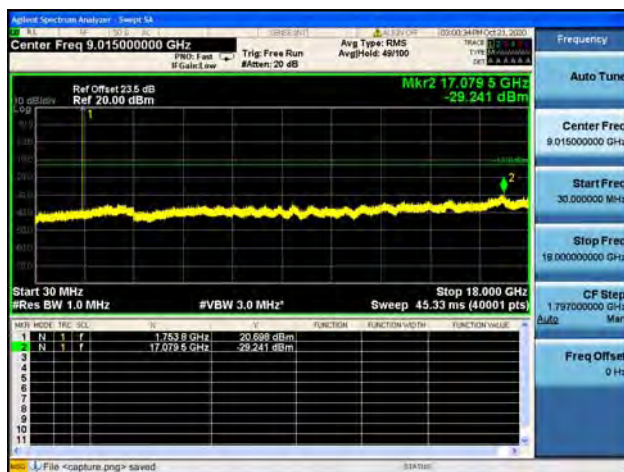
Band4 / 1.4MHz / Mid CH / QPSK



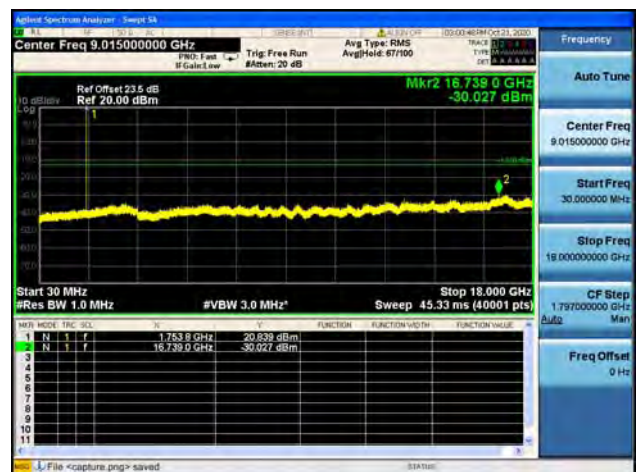
Band4 / 1.4MHz / Mid CH / 16QAM



Band4 / 1.4MHz / High CH / QPSK

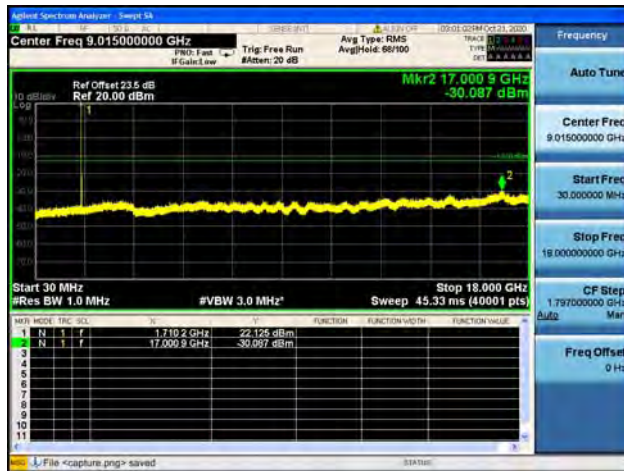


Band4 / 1.4MHz / High CH / 16QAM

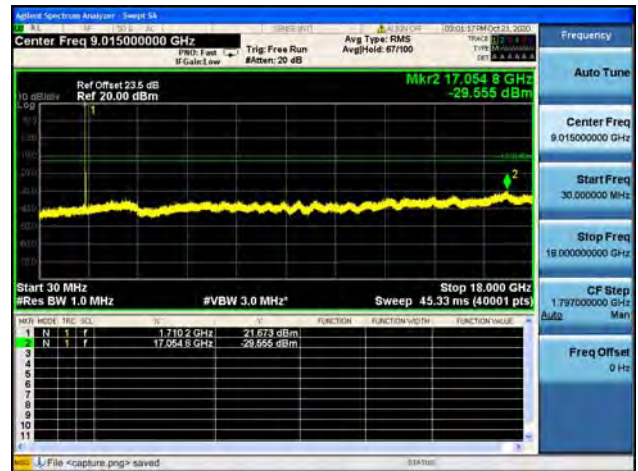




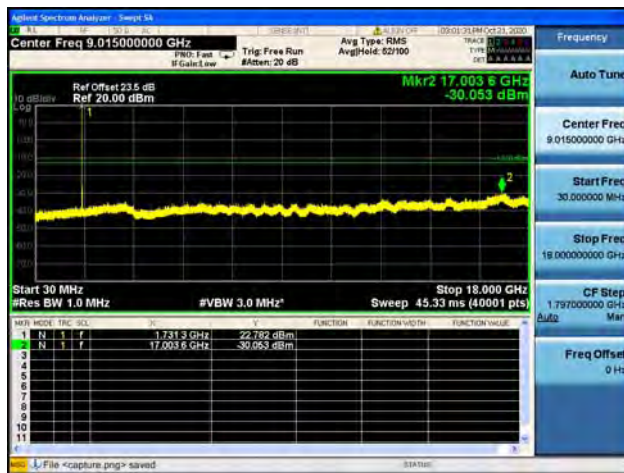
Band4 / 3MHz / Low CH / QPSK



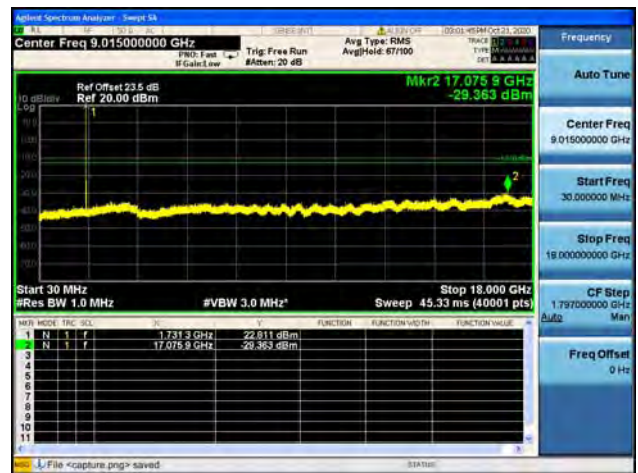
Band4 / 3MHz / Low CH / 16QAM



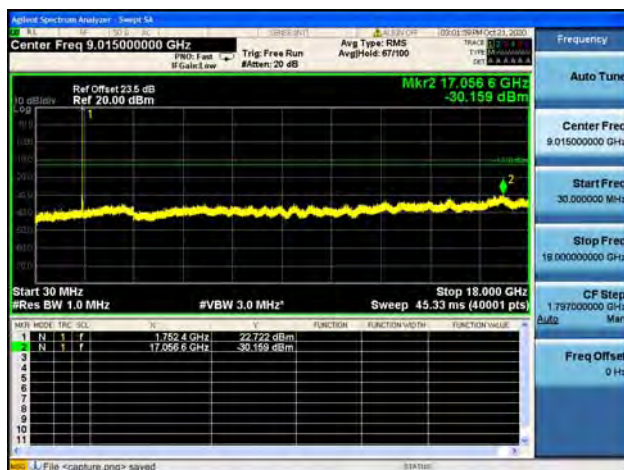
Band4 / 3MHz / Mid CH / QPSK



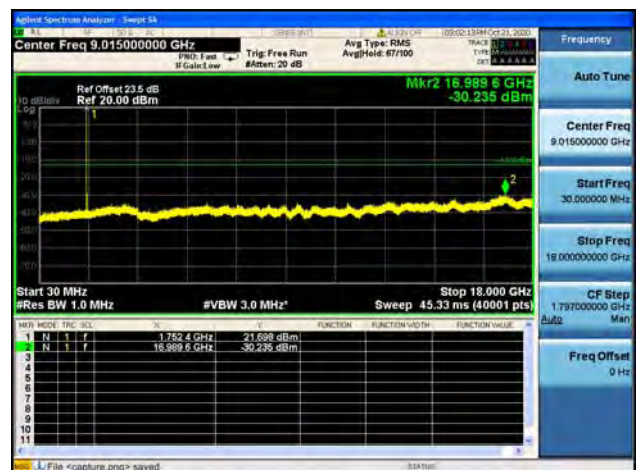
Band4 / 3MHz / Mid CH / 16QAM



Band4 / 3MHz / High CH / QPSK

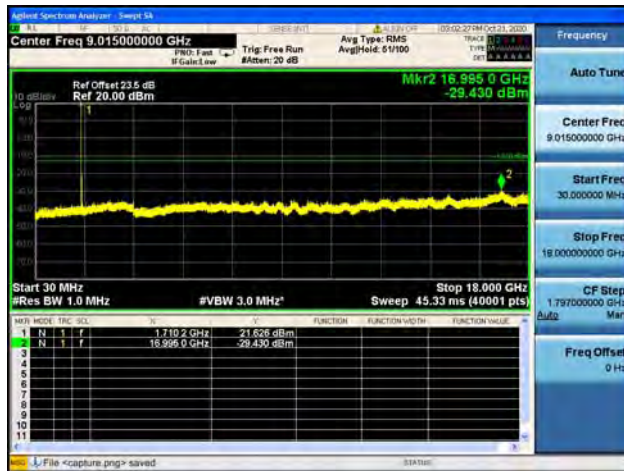


Band4 / 3MHz / High CH / 16QAM





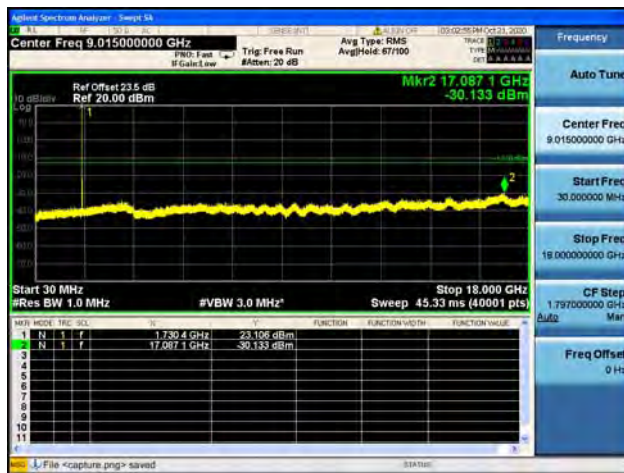
Band4 / 5MHz / Low CH / QPSK



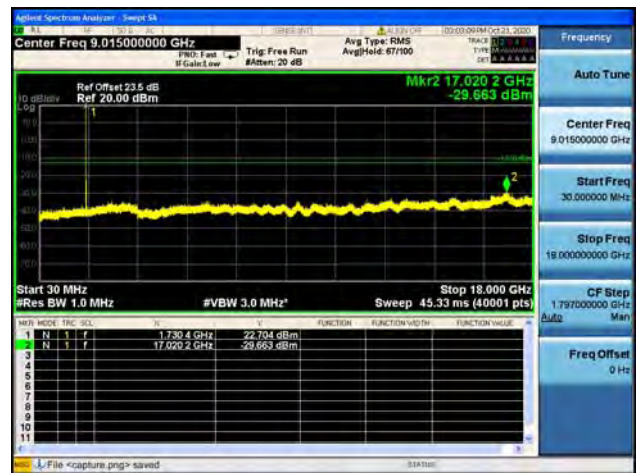
Band4 / 5MHz / Low CH / 16QAM



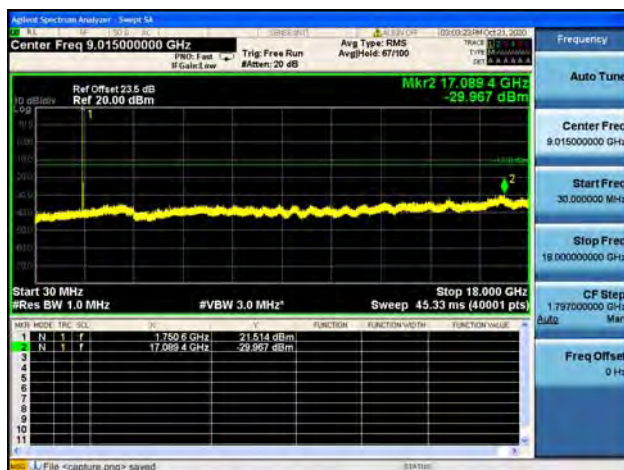
Band4 / 5MHz / Mid CH / QPSK



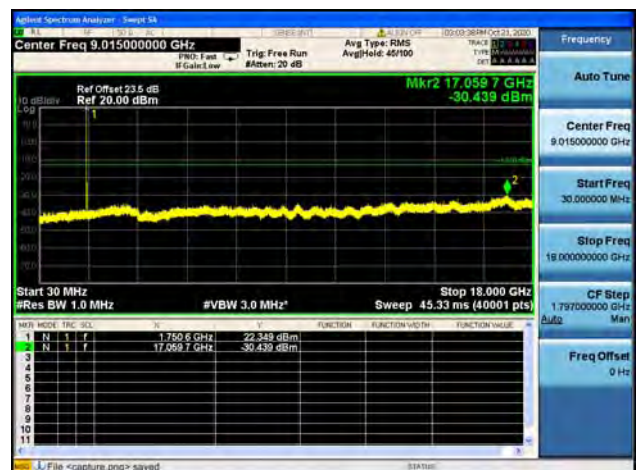
Band4 / 5MHz / Mid CH / 16QAM



Band4 / 5MHz / High CH / QPSK

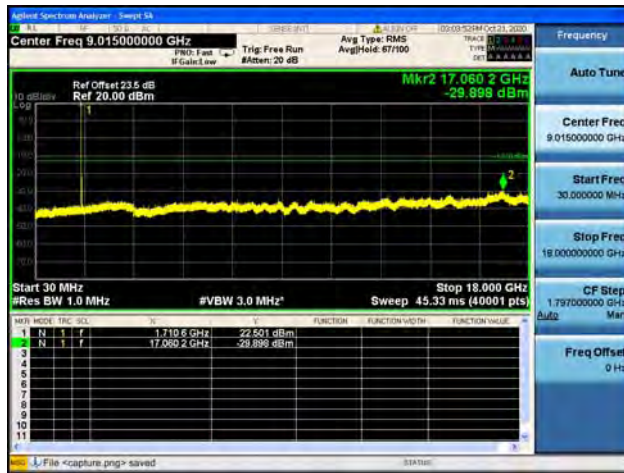


Band4 / 5MHz / High CH / 16QAM

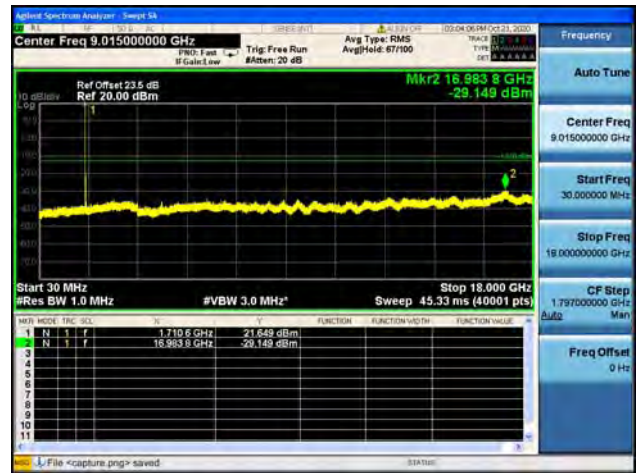




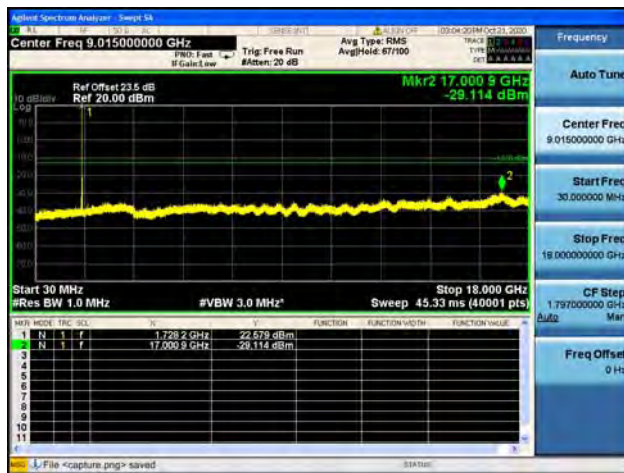
Band4 / 10MHz / Low CH / QPSK



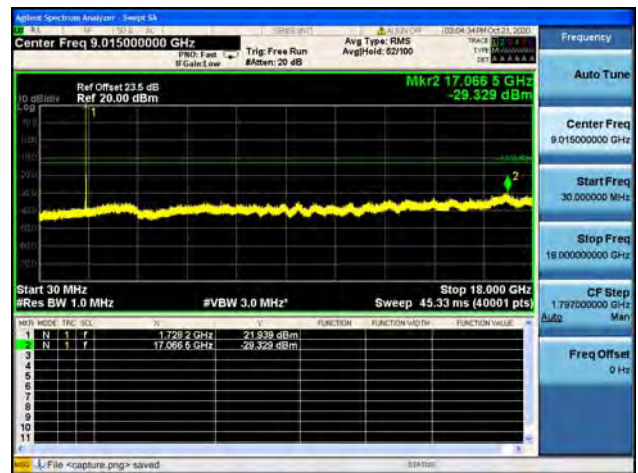
Band4 / 10MHz / Low CH / 16QAM



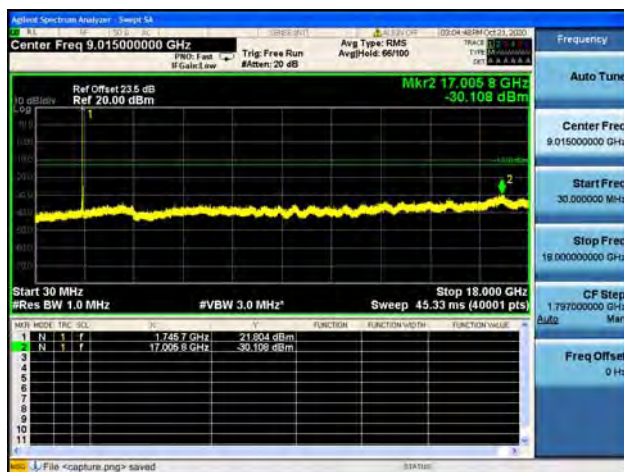
Band4 / 10MHz / Mid CH / QPSK



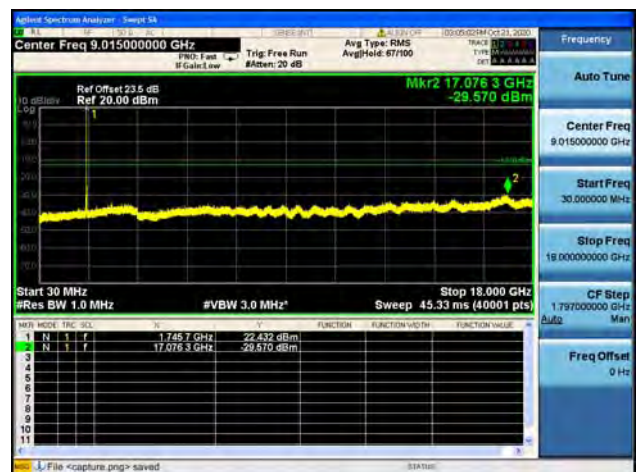
Band4 / 10MHz / Mid CH / 16QAM



Band4 / 10MHz / High CH / QPSK

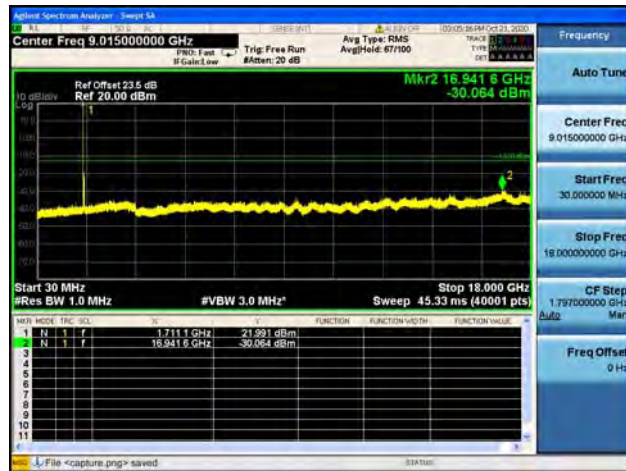


Band4 / 10MHz / High CH / 16QAM

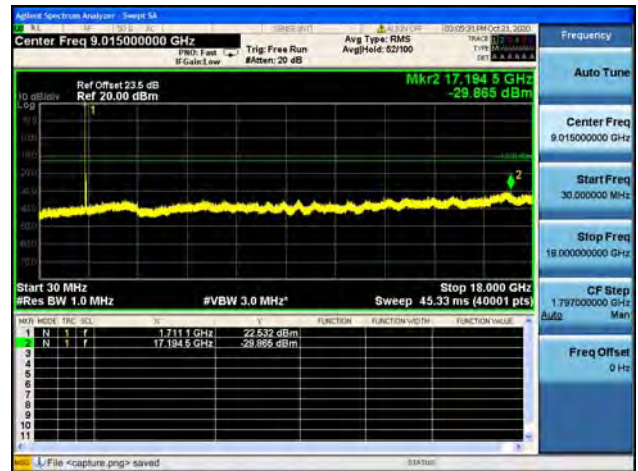




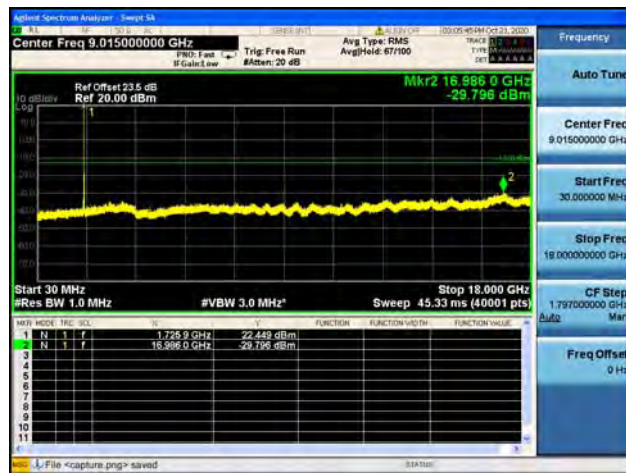
Band4 / 15MHz / Low CH / QPSK



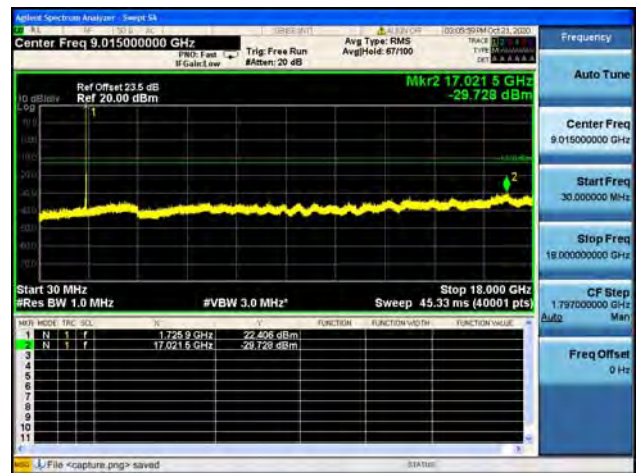
Band4 / 15MHz / Low CH / 16QAM



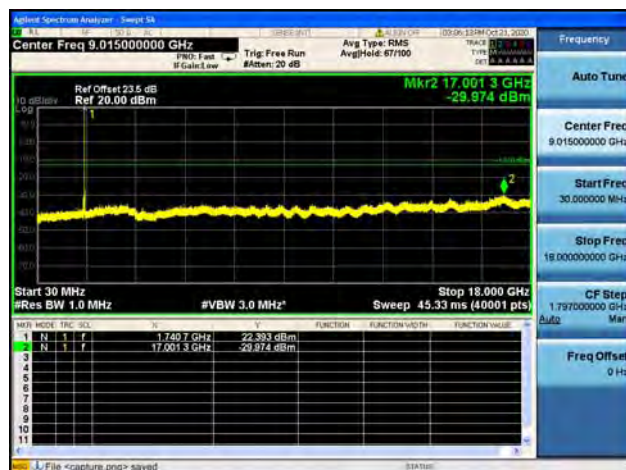
Band4 / 15MHz / Mid CH / QPSK



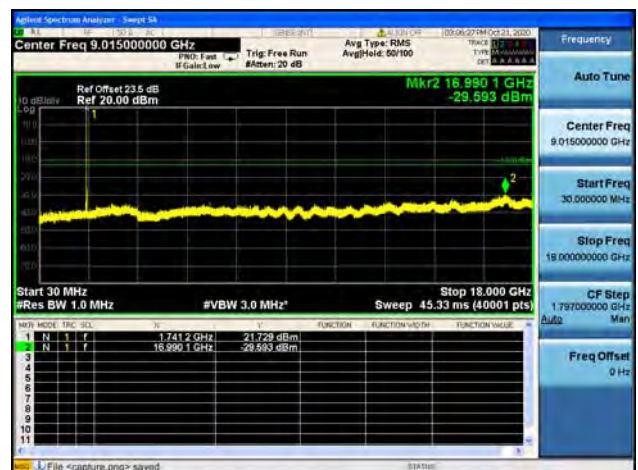
Band4 / 15MHz / Mid CH / 16QAM



Band4 / 15MHz / High CH / QPSK

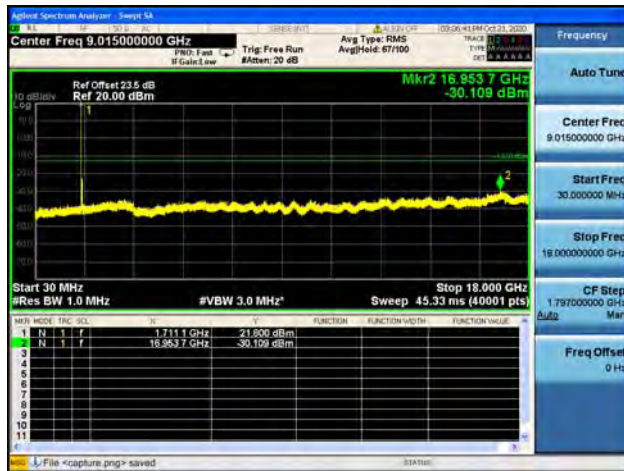


Band4 / 15MHz / High CH / 16QAM

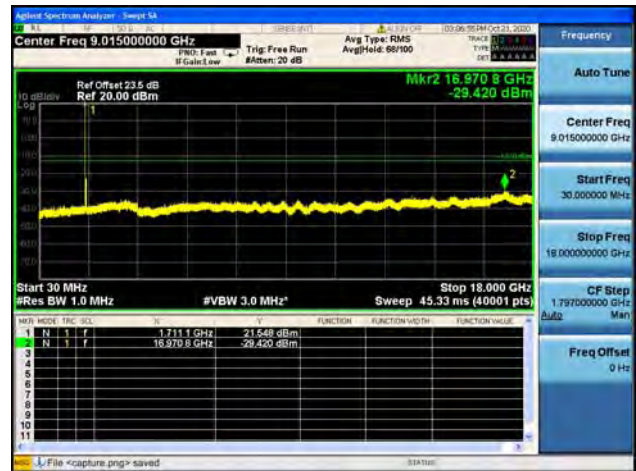




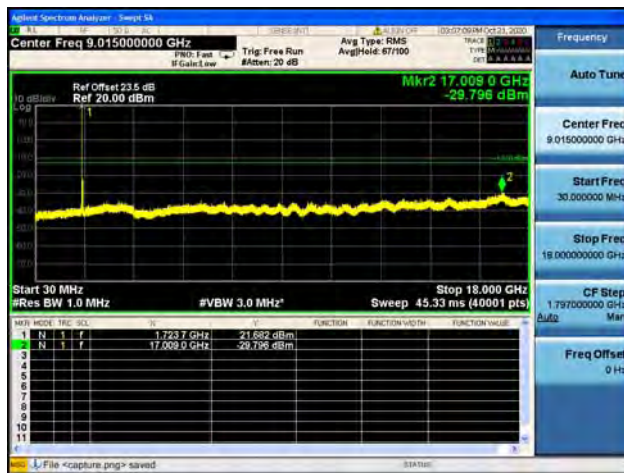
Band4 / 20MHz / Low CH / QPSK



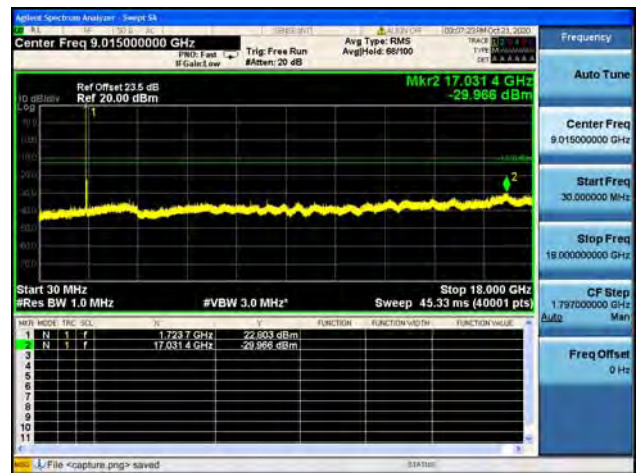
Band4 / 20MHz / Low CH / 16QAM



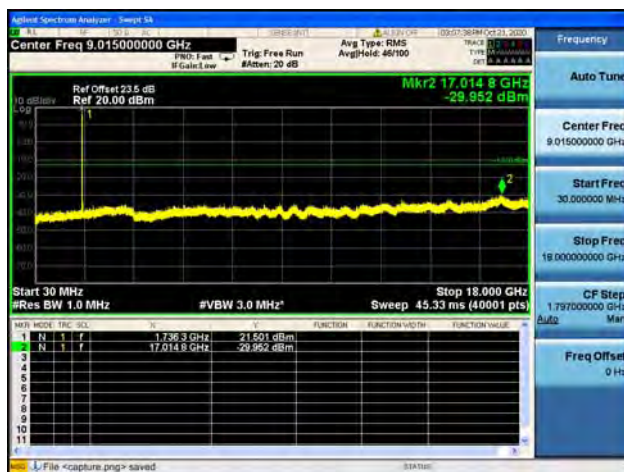
Band4 / 20MHz / Mid CH / QPSK



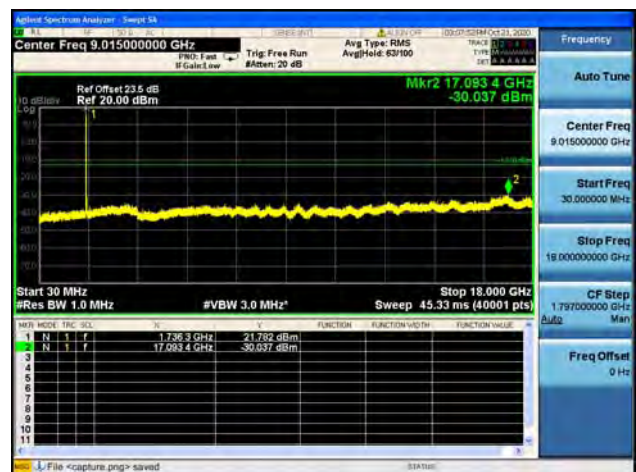
Band4 / 20MHz / Mid CH / 16QAM



Band4 / 20MHz / High CH / QPSK



Band4 / 20MHz / High CH / 16QAM

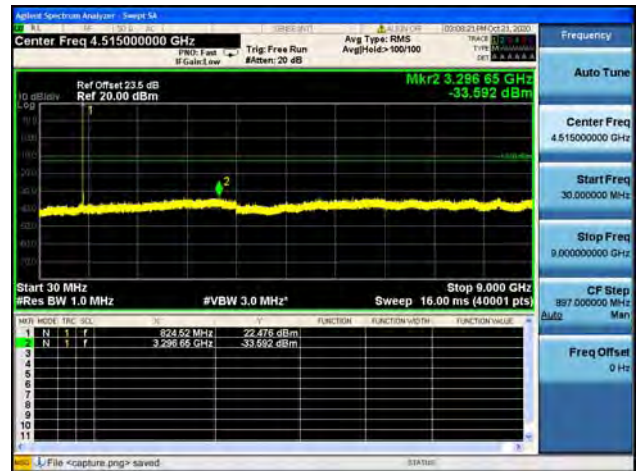




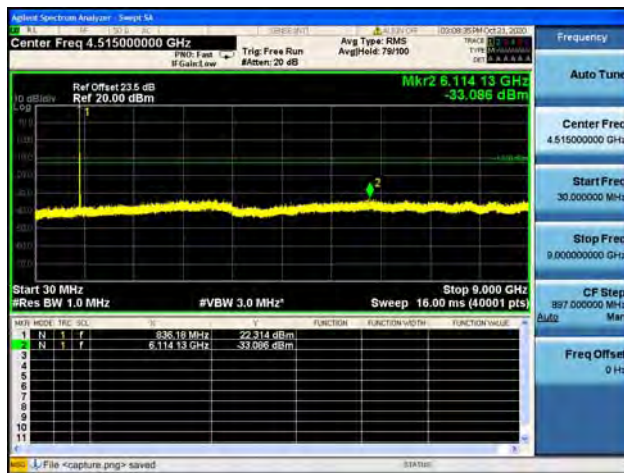
Band5 / 1.4MHz / Low CH / QPSK



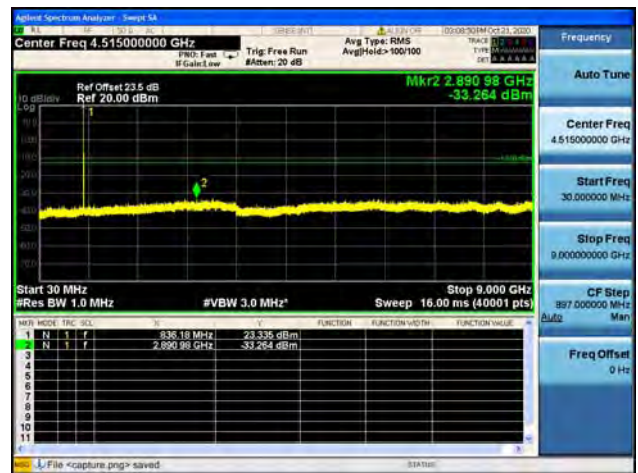
Band5 / 1.4MHz / Low CH / 16QAM



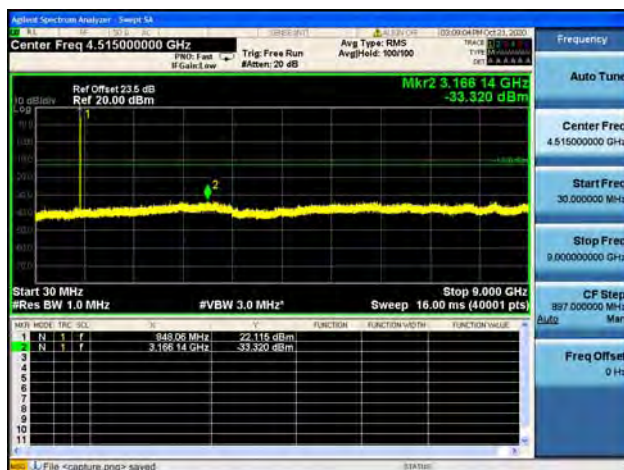
Band5 / 1.4MHz / Mid CH / QPSK



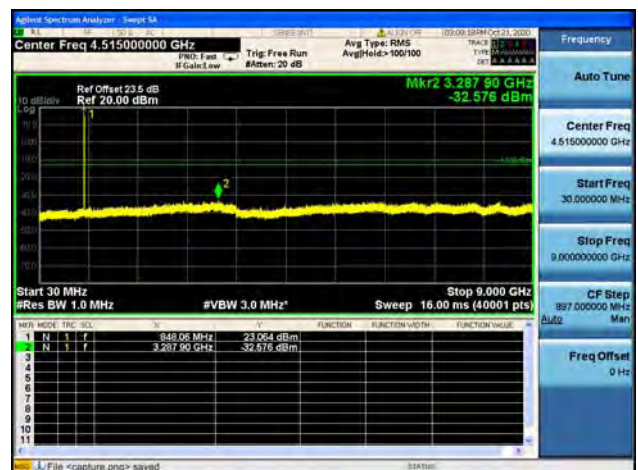
Band5 / 1.4MHz / Mid CH / 16QAM



Band5 / 1.4MHz / High CH / QPSK

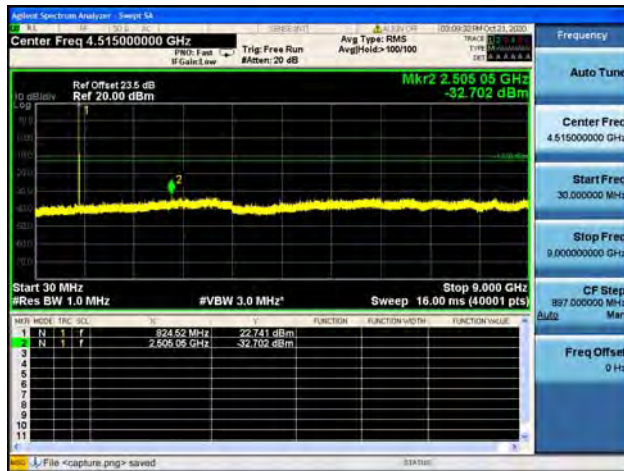


Band5 / 1.4MHz / High CH / 16QAM

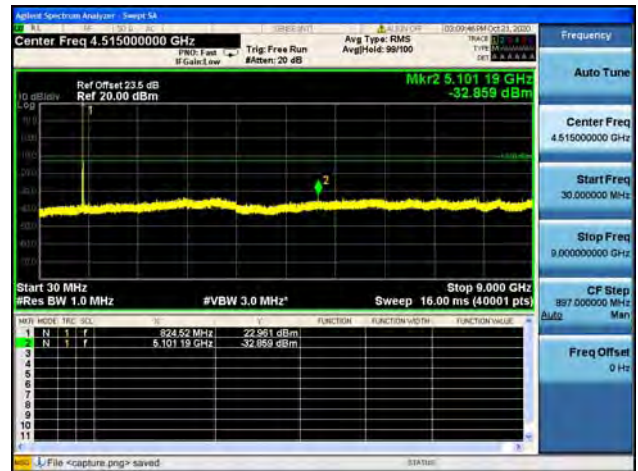




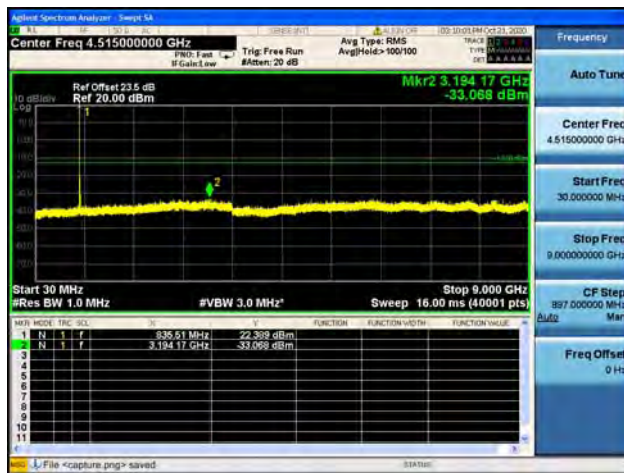
Band5 / 3MHz / Low CH / QPSK



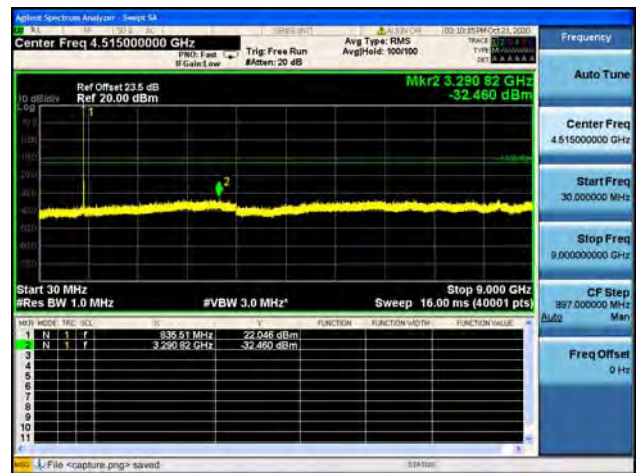
Band5 / 3MHz / Low CH / 16QAM



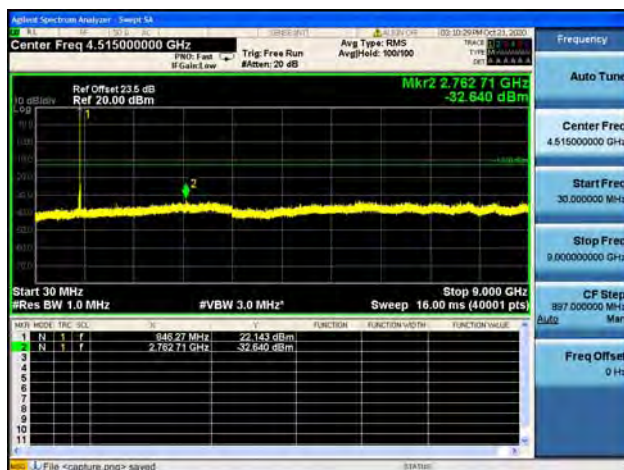
Band5 / 3MHz / Mid CH / QPSK



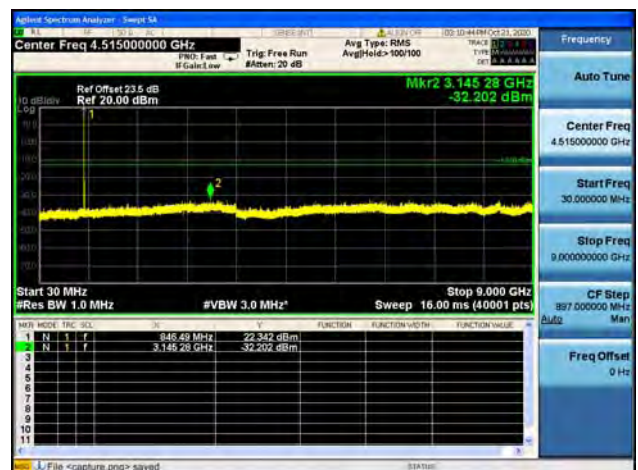
Band5 / 3MHz / Mid CH / 16QAM



Band5 / 3MHz / High CH / QPSK

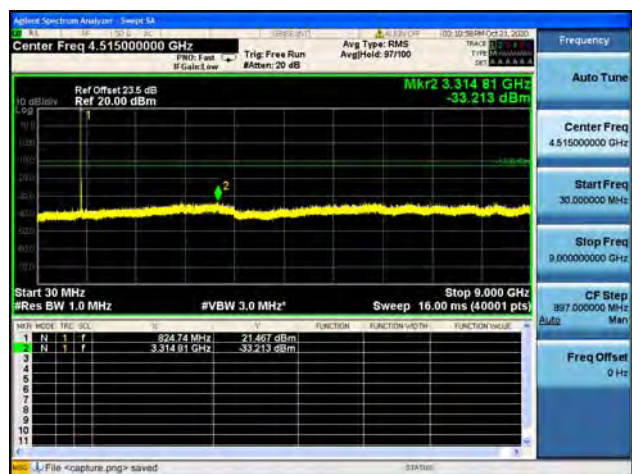


Band5 / 3MHz / High CH / 16QAM

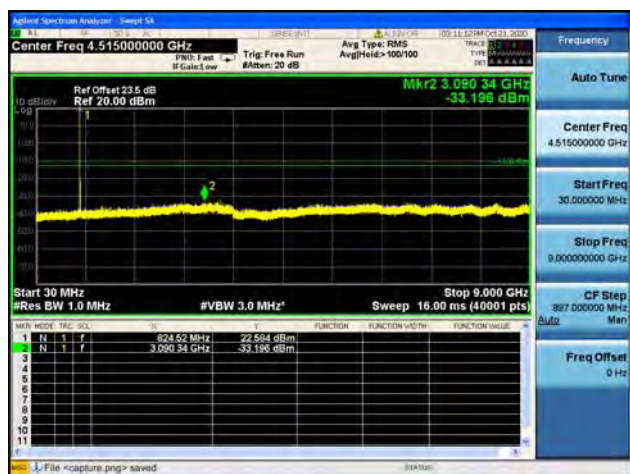




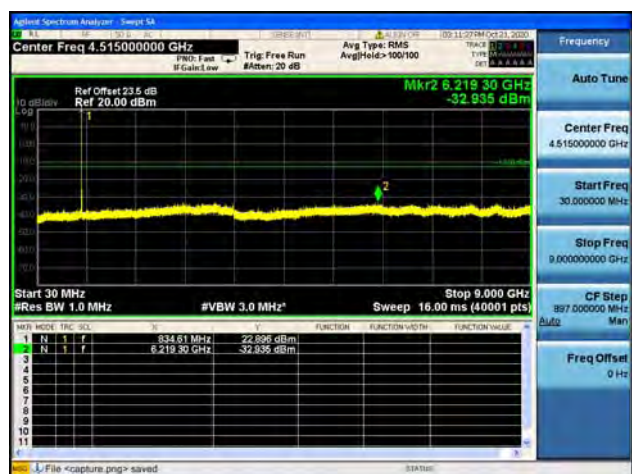
Band5 / 5MHz / Low CH / QPSK



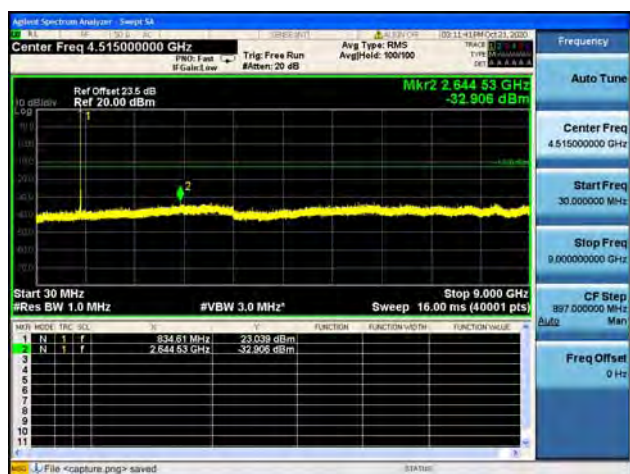
Band5 / 5MHz / Low CH / 16QAM



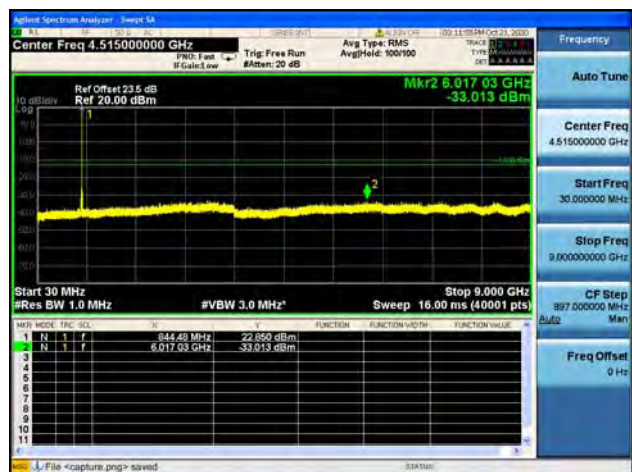
Band5 / 5MHz / Mid CH / QPSK



Band5 / 5MHz / Mid CH / 16QAM



Band5 / 5MHz / High CH / QPSK

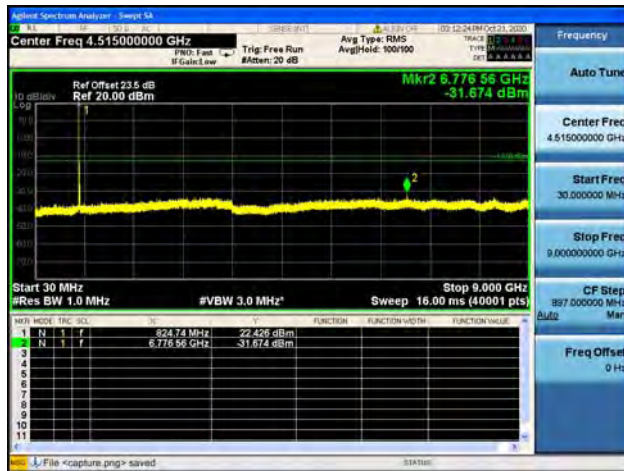


Band5 / 5MHz / High CH / 16QAM

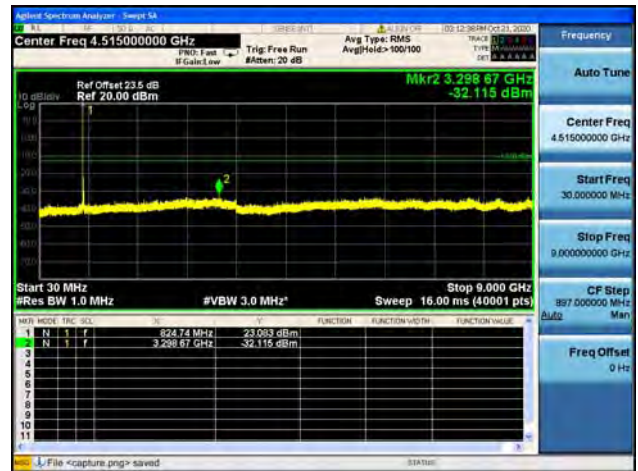




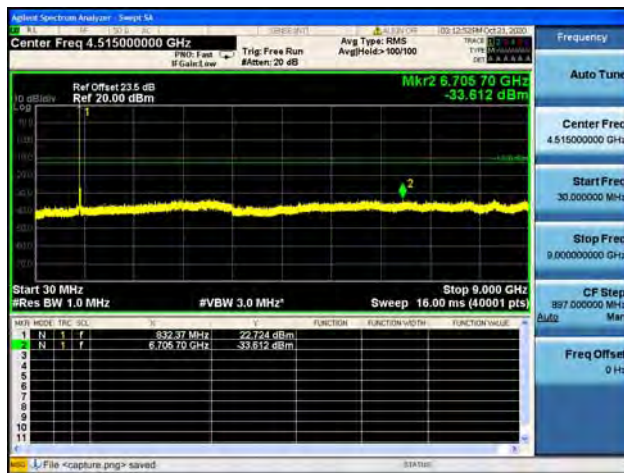
Band5 / 10MHz / Low CH / QPSK



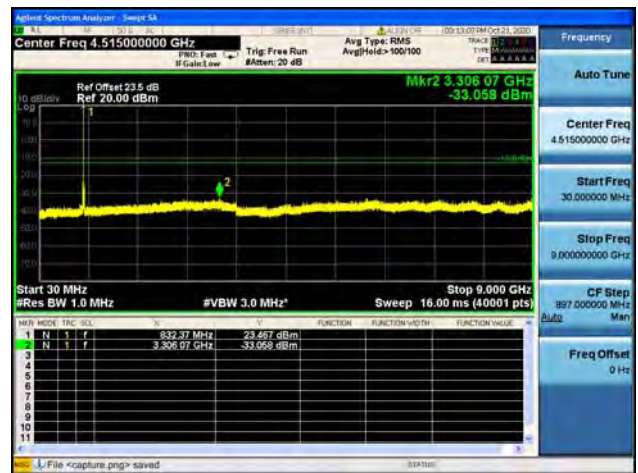
Band5 / 10MHz / Low CH / 16QAM



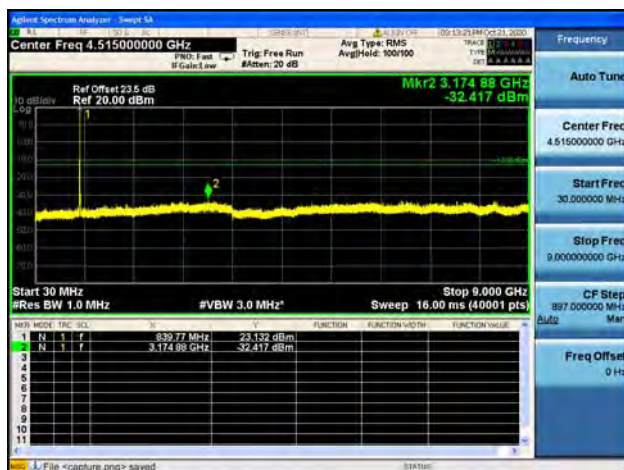
Band5 / 10MHz / Mid CH / QPSK



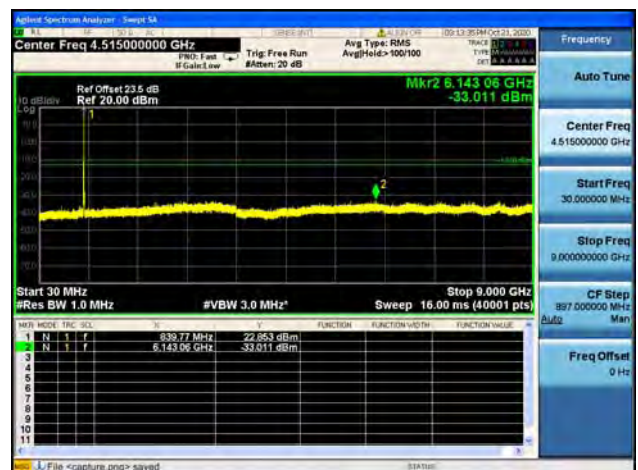
Band5 / 10MHz / Mid CH / 16QAM



Band5 / 10MHz / High CH / QPSK



Band5 / 10MHz / High CH / 16QAM





The figure displays two side-by-side screenshots of the Agilent Spectrum Analyzer software interface, showing the analysis of a signal spectrum.

Left Screenshot:

- Marker 2:** 17.00302250000 GHz, -37.777 dBm.
- Ref Offset:** 23.5 dB, Ref 25.00 dBm.
- Start:** 30 MHz, #Res BW 1.0 MHz.
- Stop:** 20.000 GHz.
- Sweep:** 50.67 ms (40001 pts).
- Table:**

Mkr	Hz	dBm	Function	Function Width	Function Value
1	17.0030225	-37.777	dBm		
2	17.0030225	-37.777	dBm		

Right Screenshot:

- Marker 1:** 25.146500000000 GHz, -31.684 dBm.
- Ref Offset:** 23.5 dB, Ref 25.00 dBm.
- Start:** 20.000 GHz, #Res BW 1.0 MHz.
- Stop:** 26.000 GHz.
- Sweep:** 16.00 ms (40001 pts).
- Table:**

Mkr	Hz	dBm	Function	Function Width	Function Value
1	25.146500000	-31.684	dBm		

Agilent Spectrum Analyzer - Swept SA

Marker 2 16.9940157500000 GHz
 Ref Offset 23.5 dB
 Ref 25.00 dBm
 Mkr2 16.994 0 GHz
 -37.520 dBm

Start 30 MHz
 #Res BW 1.0 MHz
 #VBW 3.0 MHz*
 Sweep 50.67 ms (40001 pts)

MNR	MODE	TRIG	SQL	F	F	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.502 3 GHz	15.232 dBm			
2	N	1	f	16.994 0 GHz	-37.520 dBm			

Peak Search
 NextPeak
 Next Pk Right
 Next Pk Left
 Marker Delta
 Mkr--CF
 Mkr--Ref Lvl
 More
 1 of 2

Agilent Spectrum Analyzer - Swept SA

Marker 1 25.6557500000000 GHz
 Ref Offset 23.5 dB
 Ref 25.00 dBm
 Mkr1 25.655 75 GHz
 -31.633 dBm

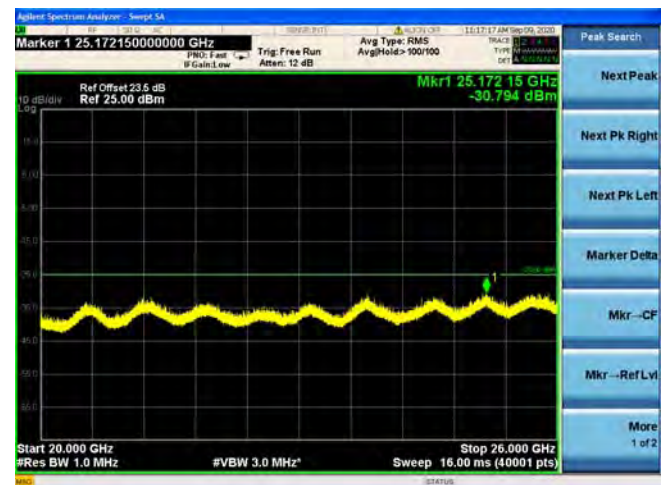
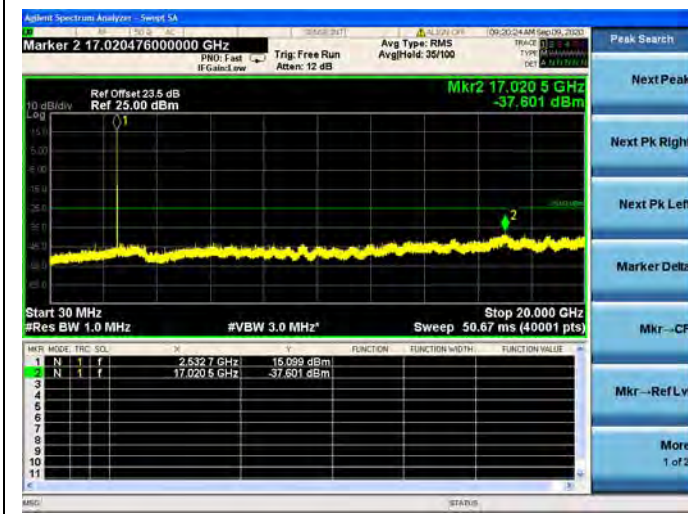
Start 20.000 GHz
 #Res BW 1.0 MHz
 #VBW 3.0 MHz*
 Sweep 16.00 ms (40001 pts)

MNR	MODE	TRIG	SQL	F	F	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	25.655 75 GHz	-31.633 dBm			

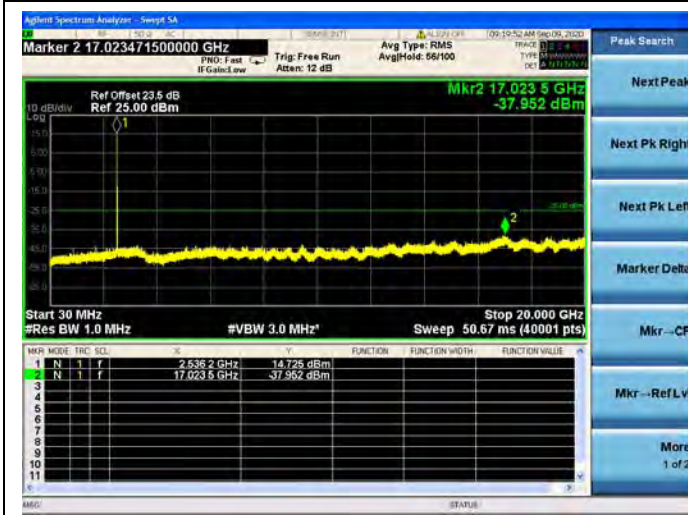
Peak Search
 NextPeak
 Next Pk Right
 Next Pk Left
 Marker Delta
 Mkr--CF
 Mkr--Ref Lvl
 More
 1 of 2



Band 7 / 5MHz / Mid CH / QPSK

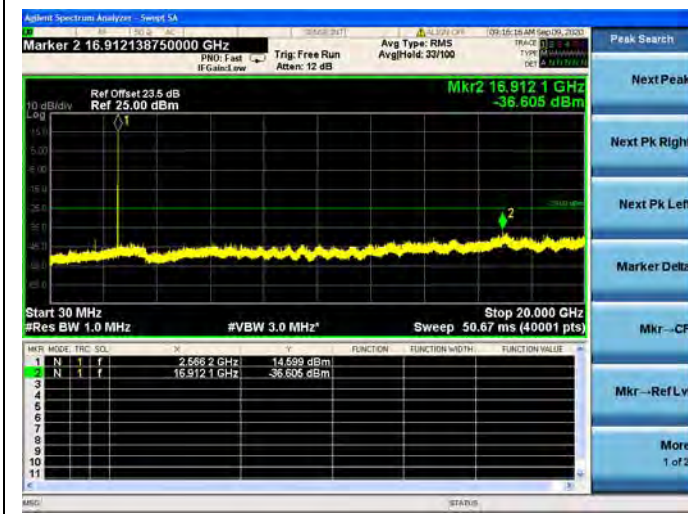


Band 7 / 5MHz / Mid CH / 16QAM

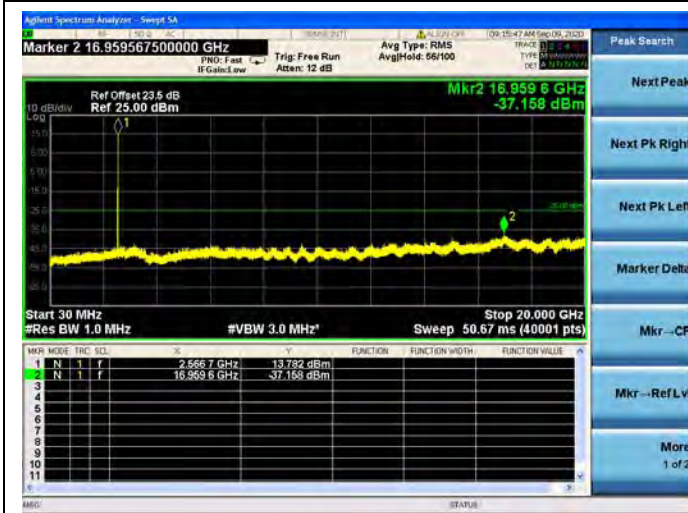




Band 7 / 5MHz / High CH / QPSK



Band 7 / 5MHz / High CH / 16QAM





Ref Offset 23.5 dB
 Ref 25.00 dBm
 Mkr2 16.992 5 GHz
 -36.648 dBm

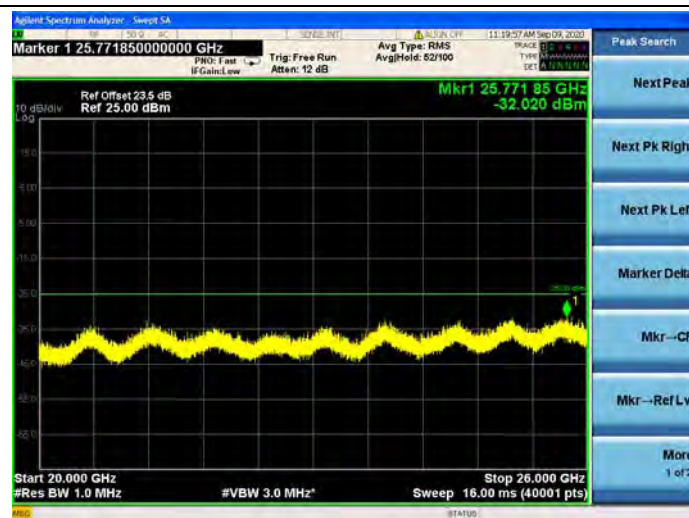
10 dB/div
 Log

Start 30 MHz
 #Res BW 1.0 MHz
 #VBW 3.0 MHz*
 Stop 20.000 GHz
 Sweep 50.67 ms (40001 pts)

Mkr	Mode	Trig	SQL	F	F	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.507 3 GHz	12.959 dBm			
2	N	1	f	16.992 5 GHz	-36.648 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

Peak Search
 Next Peak
 Next Pk Right
 Next Pk Left
 Marker Delta
 Mkr--CF
 Mkr--Ref Lvl
 More...
 1 of 2

STATUS



The screenshot displays a Vector Signal Analyzer (VSA) interface. At the top, the title bar reads "Signal Spectrum Analyzer - Sweep SA". The main display area shows a spectrum plot with a yellow trace. The plot has a vertical axis labeled "10 dB/dB" and a horizontal axis labeled "MHz". A reference signal is marked at "Ref Offset 23.5 dB" and "Ref 25.00 dBm". A peak is labeled "Mkr2 16.989 0 GHz" with a value of "-38.627 dBm". The plot also shows "Start 30 MHz", "Stop 20.000 GHz", "Res BW 1.0 MHz", and "Sweep 50.67 ms (40001 pts)".

Below the plot, there is a table with the following data:

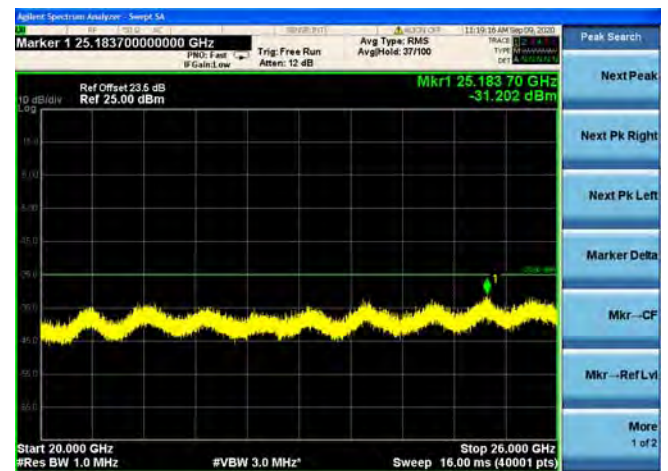
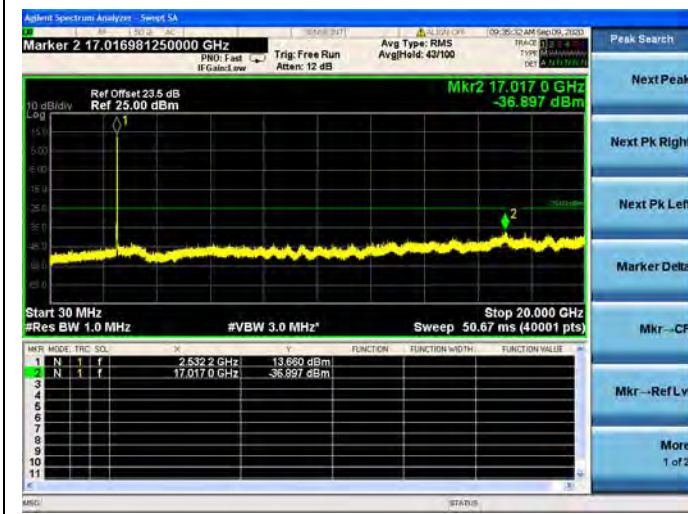
MARK	MODE	FREQ	SQL	dB	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f		2.503 3 GHz			-13.567 dBm
2	N	1	f		16.989 0 GHz			-38.627 dBm
3								
4								
5								
6								
7								
8								
9								
10								
11								

On the right side of the interface, there is a "Peak Search" section with buttons for "Next Peak", "Next Pk Right", "Next Pk Left", "Marker Delta", "Mkr--CF", "Mkr--Ref Lvl", and "More". The "More" button is partially visible at the bottom.

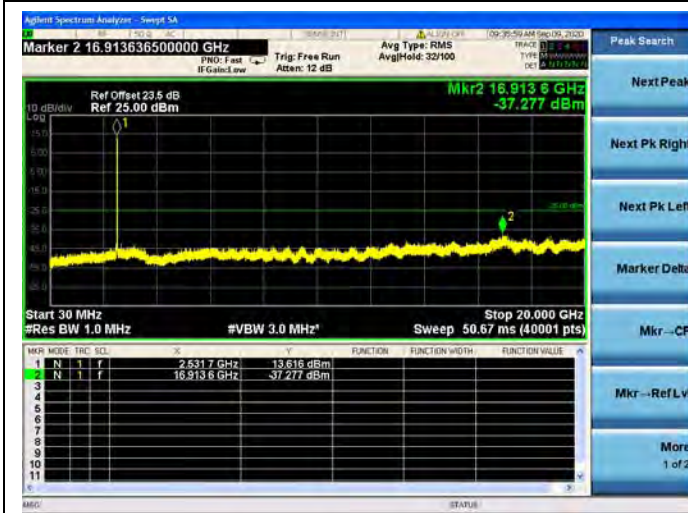




Band 7 / 10MHz / Mid CH / QPSK



Band 7 / 10MHz / Mid CH / 16QAM

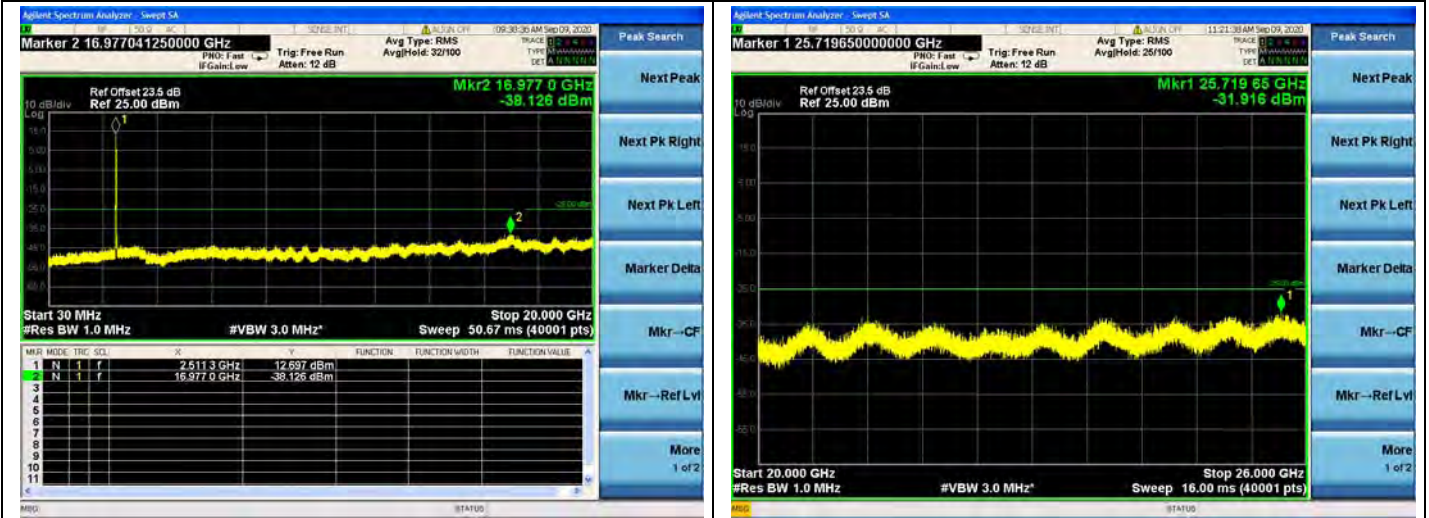


Band 7 / 10MHz / High CH / QPSK





Band 7 / 15MHz / Low CH / QPSK



Band 7 / 15MHz / Low CH / 16QAM

