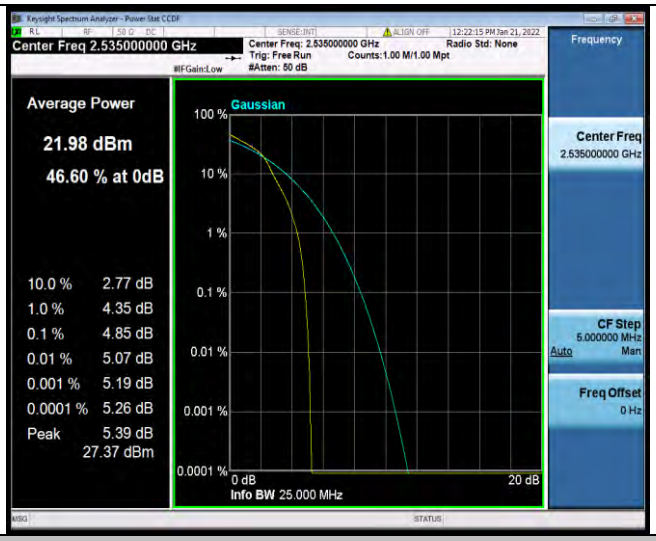
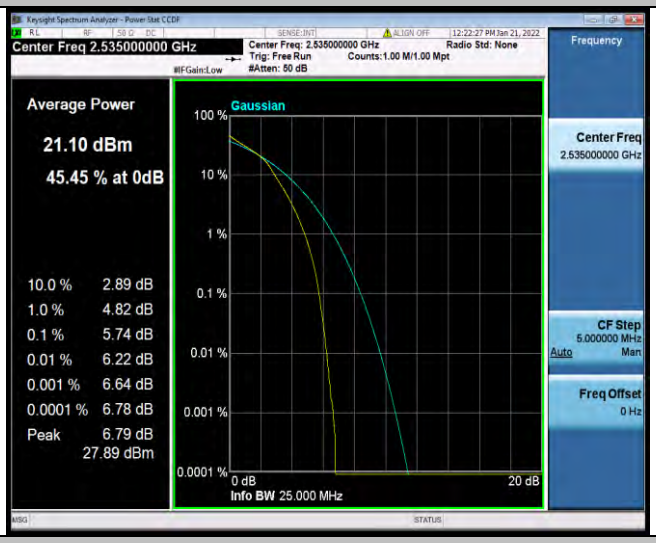
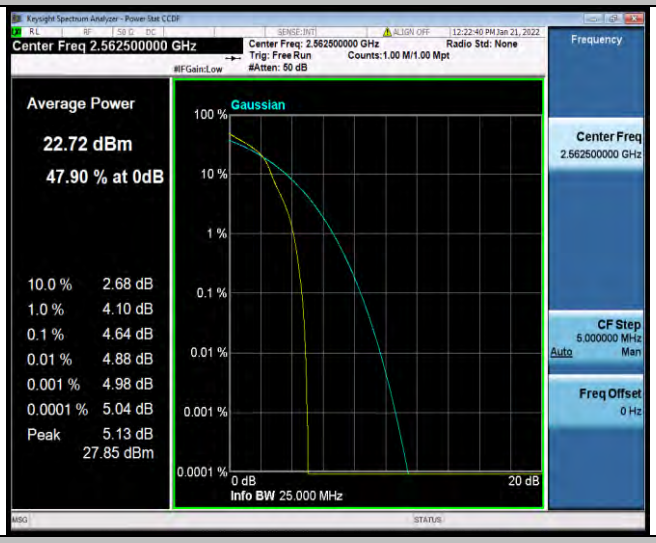


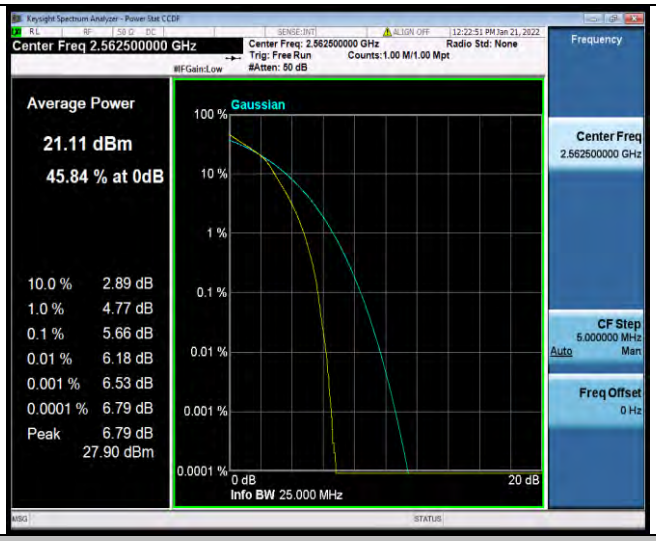
Band7-15MHz-64QAM-21100-75RB#0



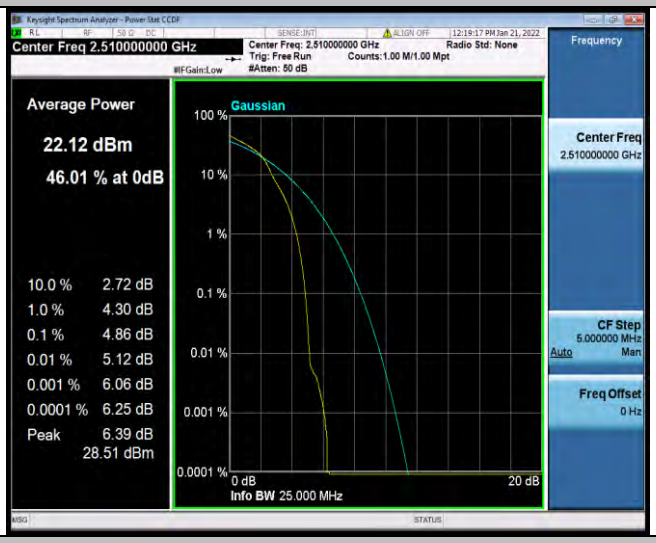
Band7-15MHz-64QAM-21375-1RB#0



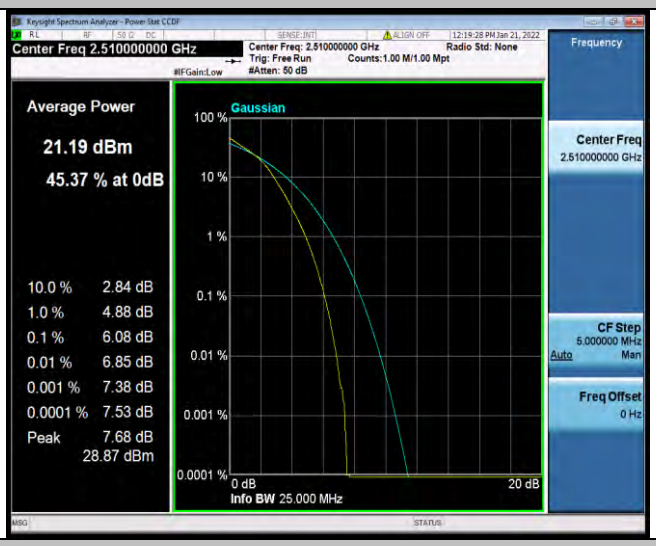
Band7-15MHz-64QAM-21375-75RB#0



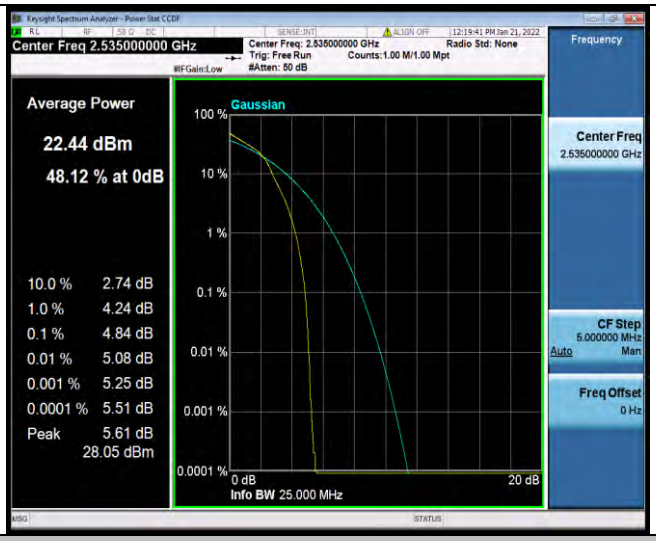
Band7-20MHz-64QAM-20850-1RB#0



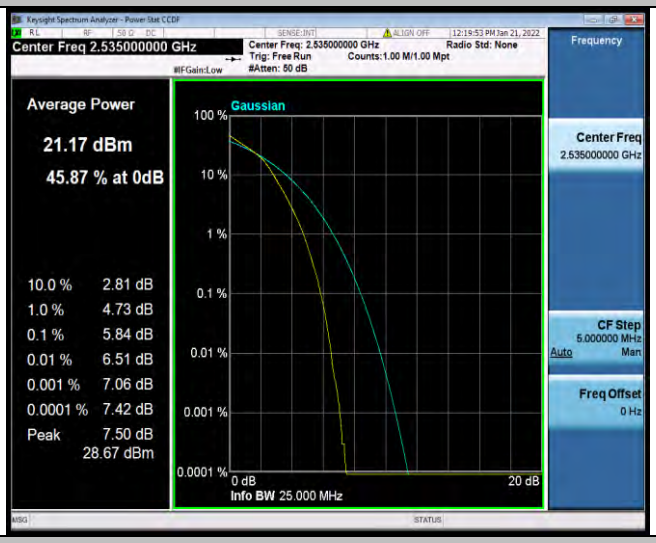
Band7-20MHz-64QAM-20850-100RB#0



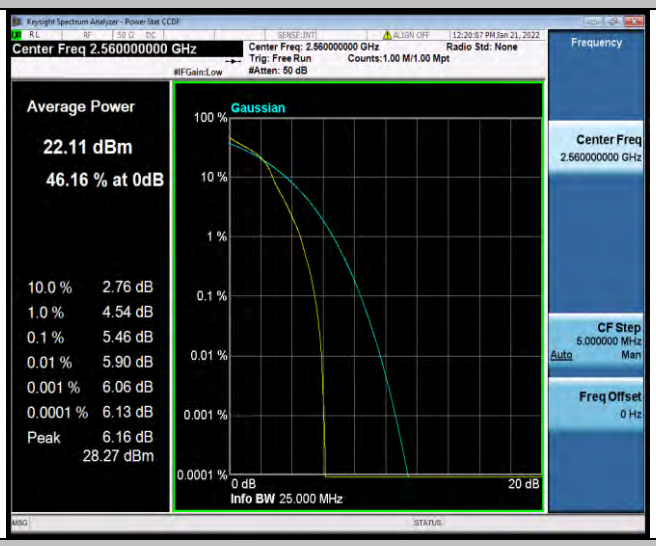
Band7-20MHz-64QAM-21100-1RB#0



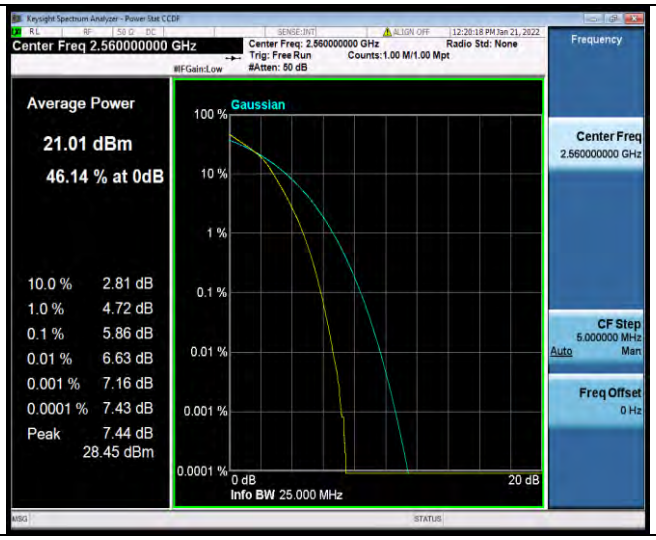
Band7-20MHz-64QAM-21100-100RB#0



Band7-20MHz-64QAM-21350-1RB#0



Band7-20MHz-64QAM-21350-100RB#0


Keysight Spectrum Analyzer - Power Stat CCDF
Center Freq 2.560000000 GHz
Center Freq: 2.560000000 GHz
Trig: Free Run
#Atten: 50 dB
Counts: 1.00 M/1.00 Mpt
Radio Std: None
12:28:18 PM Jan 21, 2022
Frequency
Average Power
21.01 dBm
46.14 % at 0dB
10.0 % 2.81 dB
1.0 % 4.72 dB
0.1 % 5.86 dB
0.01 % 6.63 dB
0.001 % 7.16 dB
0.0001 % 7.43 dB
Peak 7.44 dB
28.45 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Center Freq
2.560000000 GHz
CF Step
5.000000 MHz
Auto
Man
Freq Offset
0 Hz

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

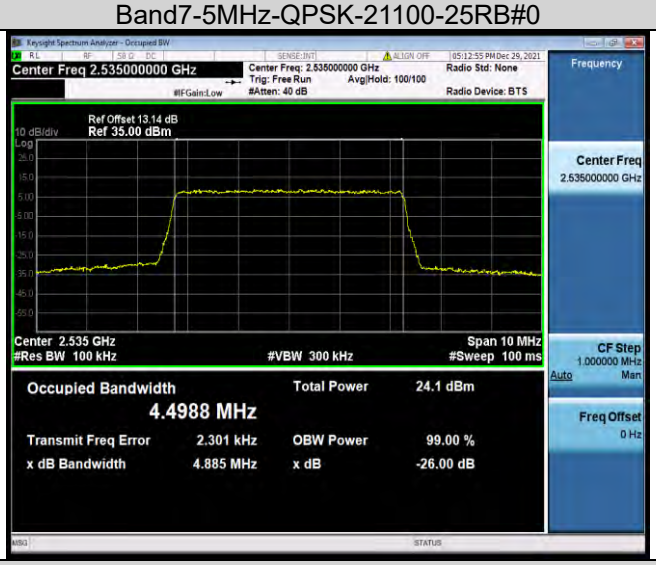
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.4933	4.892	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4988	4.885	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5041	4.868	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4982	4.872	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.4996	4.862	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5055	4.861	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9925	9.556	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9868	9.608	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9751	9.578	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9735	9.623	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9818	9.604	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9737	9.587	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.482	14.33	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.466	14.37	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.444	14.24	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.478	14.32	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.458	14.32	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.447	14.33	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.987	19.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.970	19.07	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.943	19.01	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.977	19.06	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.985	19.06	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.936	19.02	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	64QAM	20775	25RB#0	4.4989	4.866	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.4986	4.935	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.5045	4.852	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.9756	9.578	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.9804	9.565	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.9658	9.572	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.460	14.31	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.459	14.35	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.464	14.32	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.978	19.06	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.983	19.03	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.968	19.05	PASS

Test Graphs

Band7-5MHz-QPSK-20775-25RB#0

Band7-5MHz-QPSK-21100-25RB#0



Band7-5MHz-QPSK-21425-25RB#0

Band7-5MHz-16QAM-20775-25RB#0

Band7-5MHz-16QAM-21100-25RB#0

Band7-5MHz-16QAM-21425-25RB#0

Band7-10MHz-QPSK-20800-50RB#0

Band7-10MHz-QPSK-21100-50RB#0

Band7-10MHz-QPSK-21400-50RB#0

Band7-10MHz-16QAM-20800-50RB#0

Band7-10MHz-16QAM-21100-50RB#0

Band7-10MHz-16QAM-21400-50RB#0

Band7-15MHz-QPSK-20825-75RB#0

Band7-15MHz-QPSK-21100-75RB#0

Band7-15MHz-QPSK-21375-75RB#0

Band7-15MHz-16QAM-20825-75RB#0

Band7-15MHz-16QAM-21100-75RB#0

Band7-15MHz-16QAM-21375-75RB#0

Band7-20MHz-QPSK-20850-100RB#0

Band7-20MHz-QPSK-21100-100RB#0

Band7-20MHz-QPSK-21350-100RB#0

Band7-20MHz-16QAM-20850-100RB#0

Band7-20MHz-16QAM-21100-100RB#0

Band7-20MHz-16QAM-21350-100RB#0

Band7-5MHz-64QAM-20775-25RB#0

Band7-5MHz-64QAM-21100-25RB#0

Band7-5MHz-64QAM-21425-25RB#0

Band7-10MHz-64QAM-20800-50RB#0

Band7-10MHz-64QAM-21100-50RB#0

Band7-10MHz-64QAM-21400-50RB#0

Band7-15MHz-64QAM-20825-75RB#0

Band7-15MHz-64QAM-21100-75RB#0

Band7-15MHz-64QAM-21375-75RB#0

Band7-20MHz-64QAM-20850-100RB#0

Band7-20MHz-64QAM-21100-100RB#0

Band7-20MHz-64QAM-21350-100RB#0

Keysight Spectrum Analyzer - Occupied BW
Center Freq 2.560000000 GHz
Center Freq: 2.560000000 GHz
Trig: Free Run
Avg|Hold: 30/30
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
12:24:32 PM Jan 21, 2022
Ref Offset 13.12 dB
10 dB/div
Ref 35.00 dBm
Log
Center 2.56 GHz
#Res BW 390 kHz
#VBW 1.2 MHz
Span 40 MHz
#Sweep 100 ms
Occupied Bandwidth
17.968 MHz
Total Power 21.6 dBm
Transmit Freq Error 17.932 kHz
OBW Power 99.00 %
x dB Bandwidth 19.05 MHz
x dB -26.00 dB
Frequency
Center Freq
2.560000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-47.19,-42.78,-42.74,-15.34	PASS
Band7	5MHz	QPSK	20775	25RB#0	-43.94,-38.06,-34.91,-27.40	PASS
Band7	5MHz	QPSK	21425	1RB#24	-17.02,-43.26,-47.55,-46.89	PASS
Band7	5MHz	QPSK	21425	25RB#0	-28.07,-36.36,-43.35,-43.98	PASS
Band7	5MHz	16QAM	20775	1RB#0	-47.15,-44.13,-44.13,-16.38	PASS
Band7	5MHz	16QAM	20775	25RB#0	-44.63,-40.95,-34.91,-26.99	PASS
Band7	5MHz	16QAM	21425	1RB#24	-17.91,-44.03,-47.35,-47.26	PASS
Band7	5MHz	16QAM	21425	25RB#0	-28.82,-35.87,-43.74,-44.71	PASS
Band7	10MHz	QPSK	20800	1RB#0	-44.35,-41.57,-41.10,-18.93	PASS
Band7	10MHz	QPSK	20800	50RB#0	-42.86,-35.60,-33.42,-28.89	PASS
Band7	10MHz	QPSK	21400	1RB#49	-18.81,-40.83,-43.25,-44.46	PASS
Band7	10MHz	QPSK	21400	50RB#0	-30.48,-35.28,-36.84,-42.33	PASS
Band7	10MHz	16QAM	20800	1RB#0	-44.45,-41.58,-41.78,-18.95	PASS
Band7	10MHz	16QAM	20800	50RB#0	-42.51,-35.45,-33.24,-29.77	PASS
Band7	10MHz	16QAM	21400	1RB#49	-18.96,-41.71,-43.48,-44.34	PASS
Band7	10MHz	16QAM	21400	50RB#0	-31.20,-35.20,-37.49,-42.49	PASS
Band7	15MHz	QPSK	20825	1RB#0	-40.57,-38.71,-40.77,-18.35	PASS
Band7	15MHz	QPSK	20825	75RB#0	-36.66,-33.68,-31.89,-29.17	PASS
Band7	15MHz	QPSK	21375	1RB#74	-19.08,-41.27,-39.63,-42.66	PASS
Band7	15MHz	QPSK	21375	75RB#0	-30.82,-33.24,-35.51,-41.27	PASS
Band7	15MHz	16QAM	20825	1RB#0	-40.89,-39.06,-41.14,-18.50	PASS
Band7	15MHz	16QAM	20825	75RB#0	-37.85,-33.63,-31.70,-29.34	PASS
Band7	15MHz	16QAM	21375	1RB#74	-20.00,-41.27,-39.94,-42.63	PASS
Band7	15MHz	16QAM	21375	75RB#0	-32.56,-34.95,-36.80,-41.50	PASS
Band7	20MHz	QPSK	20850	1RB#0	-40.62,-36.16,-39.80,-21.53	PASS
Band7	20MHz	QPSK	20850	100RB#0	-35.92,-33.91,-32.11,-30.23	PASS
Band7	20MHz	QPSK	21350	1RB#99	-20.75,-39.66,-36.96,-41.69	PASS
Band7	20MHz	QPSK	21350	100RB#0	-31.85,-34.99,-36.87,-41.42	PASS
Band7	20MHz	16QAM	20850	1RB#0	-41.23,-36.68,-39.99,-21.78	PASS
Band7	20MHz	16QAM	20850	100RB#0	-36.33,-33.96,-32.25,-30.65	PASS
Band7	20MHz	16QAM	21350	1RB#99	-21.98,-36.27,-37.35,-41.68	PASS
Band7	20MHz	16QAM	21350	100RB#0	-32.64,-34.98,-36.62,-41.37	PASS
Band7	5MHz	64QAM	20775	1RB#0	-47.03,-45.26,-42.05,-15.29	PASS
Band7	5MHz	64QAM	20775	25RB#0	-45.18,-41.37,-34.34,-27.17	PASS
Band7	5MHz	64QAM	21425	1RB#24	-17.79,-41.59,-47.33,-47.12	PASS
Band7	5MHz	64QAM	21425	25RB#0	-26.51,-32.54,-44.11,-45.24	PASS
Band7	10MHz	64QAM	20800	1RB#0	-44.29,-41.39,-39.14,-18.69	PASS
Band7	10MHz	64QAM	20800	50RB#0	-42.91,-36.63,-34.27,-30.17	PASS
Band7	10MHz	64QAM	21400	1RB#49	-18.54,-38.31,-39.82,-44.32	PASS
Band7	10MHz	64QAM	21400	50RB#0	-28.43,-31.41,-35.78,-42.82	PASS
Band7	15MHz	64QAM	20825	1RB#0	-40.02,-38.59,-40.55,-18.28	PASS
Band7	15MHz	64QAM	20825	75RB#0	-39.46,-34.79,-33.01,-29.93	PASS
Band7	15MHz	64QAM	21375	1RB#74	-19.73,-40.86,-38.12,-42.61	PASS
Band7	15MHz	64QAM	21375	75RB#0	-28.29,-30.06,-32.63,-41.54	PASS

Band7	20MHz	64QAM	20850	1RB#0	-40.85,-37.73,-39.43,-21.15	PASS
Band7	20MHz	64QAM	20850	100RB#0	-36.96,-34.43,-32.85,-30.72	PASS
Band7	20MHz	64QAM	21350	1RB#99	-20.98,-38.10,-37.93,-41.42	PASS
Band7	20MHz	64QAM	21350	100RB#0	-29.36,-30.73,-32.66,-40.90	PASS

Test Graphs

Band7-5MHz-QPSK-20775-1RB#0

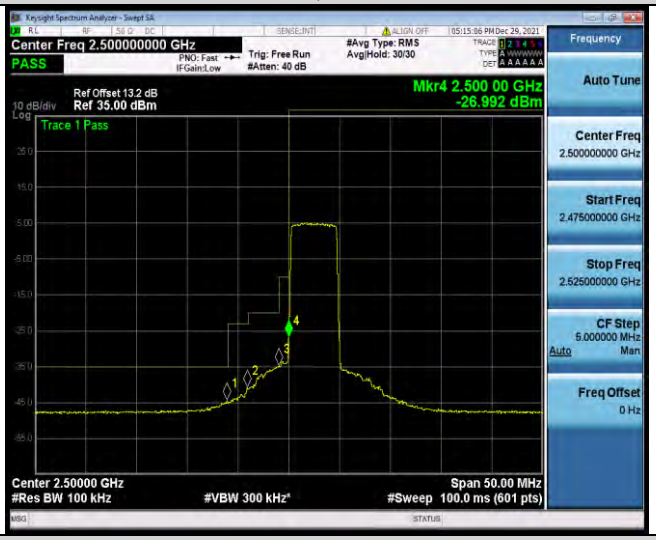
Band7-5MHz-QPSK-20775-25RB#0

Band7-5MHz-QPSK-21425-1RB#24

Band7-5MHz-QPSK-21425-25RB#0

Band7-5MHz-16QAM-20775-1RB#0

Band7-5MHz-16QAM-20775-25RB#0



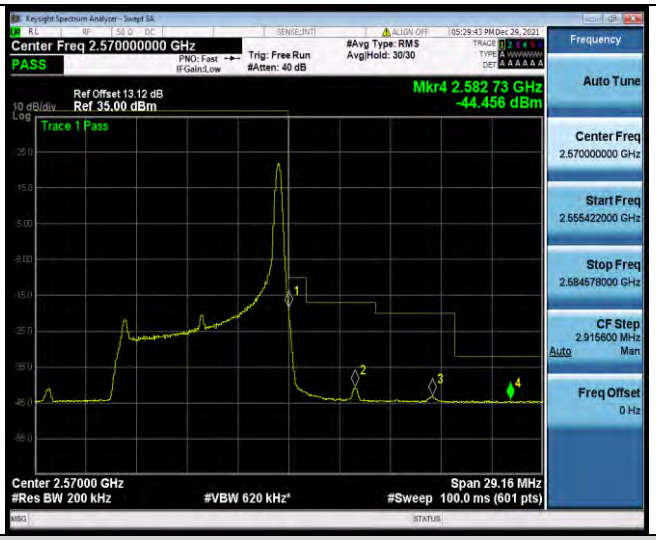
Band7-5MHz-16QAM-21425-1RB#24

Band7-5MHz-16QAM-21425-25RB#0

Band7-10MHz-QPSK-20800-1RB#0

Band7-10MHz-QPSK-20800-50RB#0

Band7-10MHz-QPSK-21400-1RB#49



Band7-10MHz-QPSK-21400-50RB#0

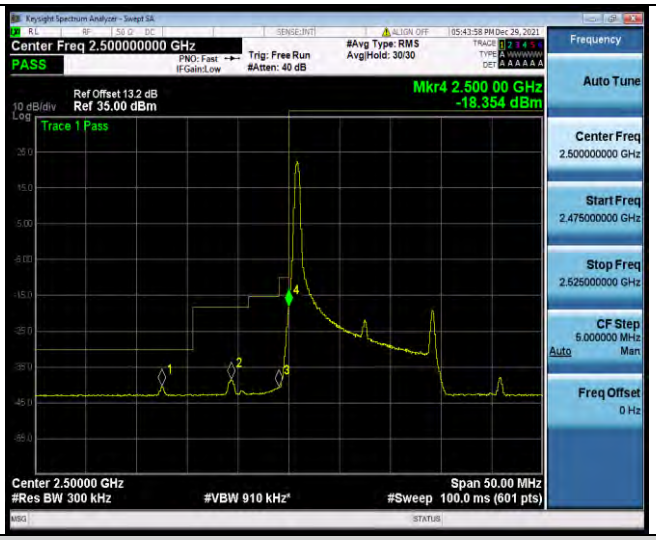
Band7-10MHz-16QAM-20800-1RB#0

Band7-10MHz-16QAM-20800-50RB#0

Band7-10MHz-16QAM-21400-1RB#49

Band7-10MHz-16QAM-21400-50RB#0

Band7-15MHz-QPSK-20825-1RB#0

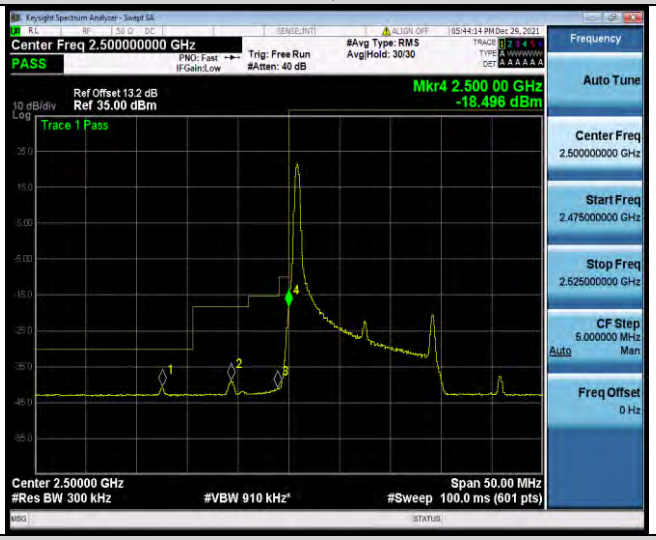


Band7-15MHz-QPSK-20825-75RB#0

Band7-15MHz-QPSK-21375-1RB#74

Band7-15MHz-QPSK-21375-75RB#0

Band7-15MHz-16QAM-20825-1RB#0

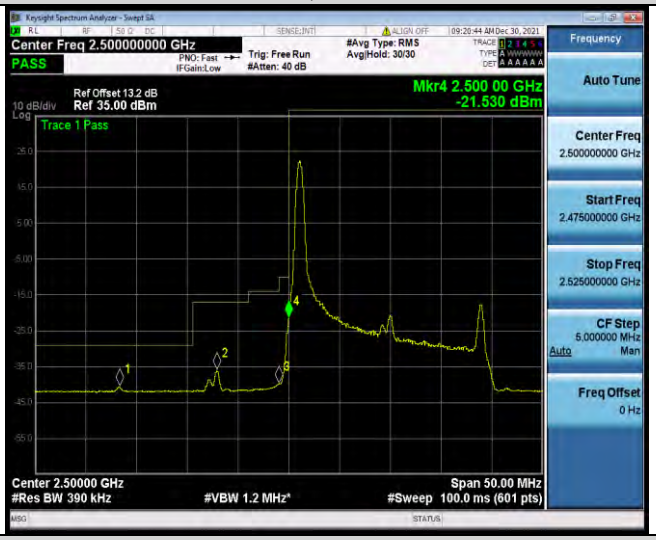


Band7-15MHz-16QAM-20825-75RB#0

Band7-15MHz-16QAM-21375-1RB#74

Band7-15MHz-16QAM-21375-75RB#0

Band7-20MHz-QPSK-20850-1RB#0

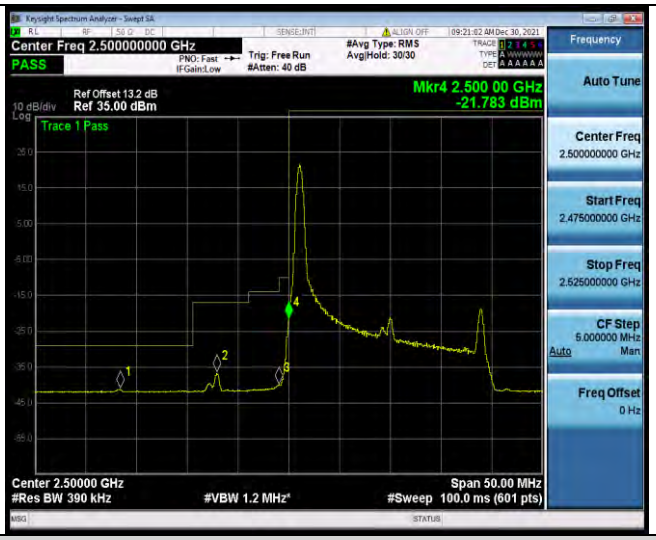


Band7-20MHz-QPSK-20850-100RB#0

Band7-20MHz-QPSK-21350-1RB#99

Band7-20MHz-QPSK-21350-100RB#0

Band7-20MHz-16QAM-20850-1RB#0



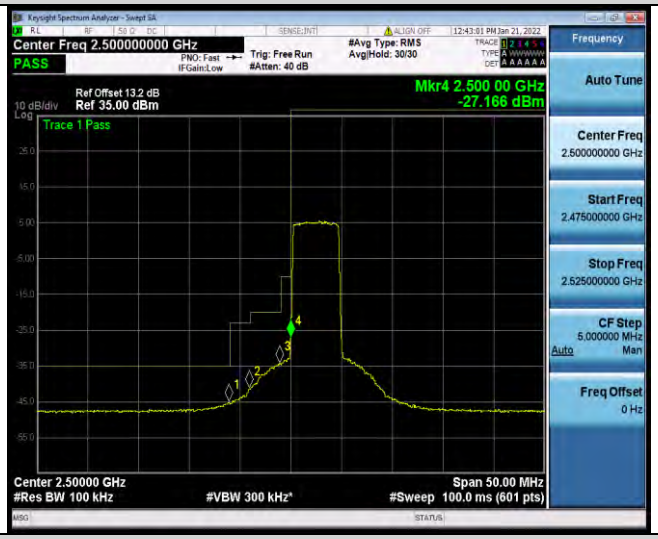
Band7-20MHz-16QAM-20850-100RB#0

Band7-20MHz-16QAM-21350-1RB#99

Band7-20MHz-16QAM-21350-100RB#0

Band7-5MHz-64QAM-20775-1RB#0

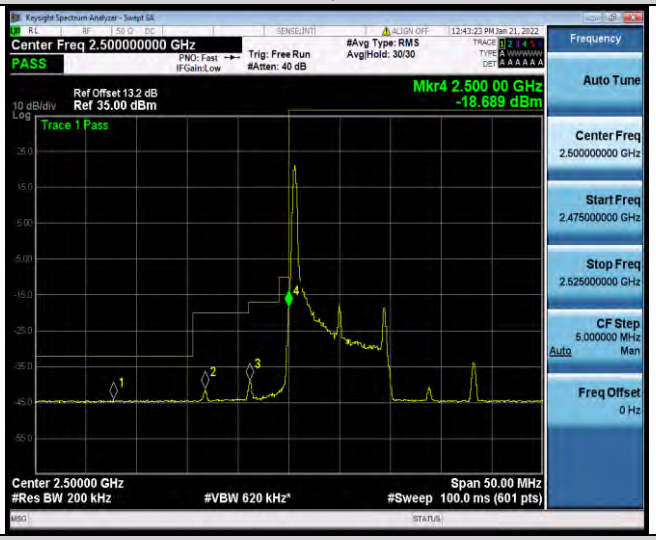
Band7-5MHz-64QAM-20775-25RB#0



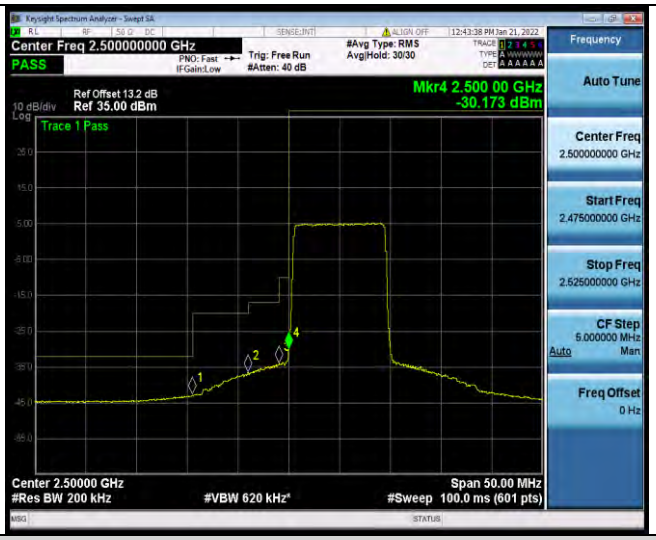
Band7-5MHz-64QAM-21425-1RB#24

Band7-5MHz-64QAM-21425-25RB#0

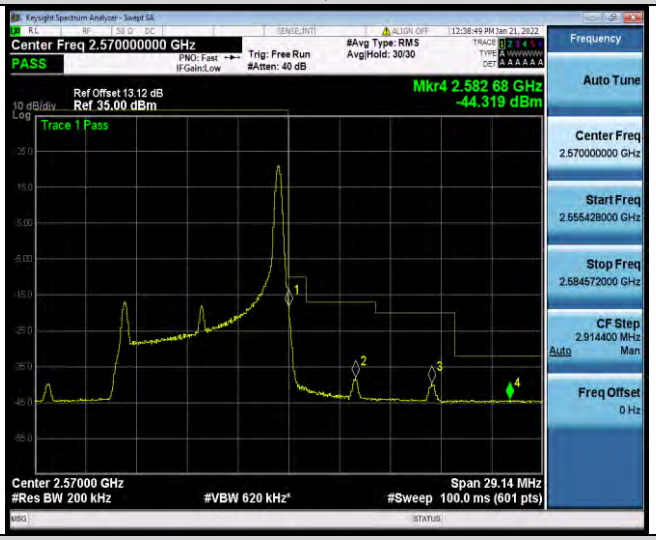
Band7-10MHz-64QAM-20800-1RB#0



Band7-10MHz-64QAM-20800-50RB#0



Band7-10MHz-64QAM-21400-1RB#49



Band7-10MHz-64QAM-21400-50RB#0

Band7-15MHz-64QAM-20825-1RB#0