Appendix Test Data

Report No.:	18220WC30180202	Test Sample No.:	1-2-2
Start Test Date:	2023.8.25	Finish Test Date:	2023.9.1
Test Engineer:	Rick Luo	Auditor:	Edward.Pan
Temperature:	24.3℃	Relative Humidity:	57 %
Pressure:	101kPa		

Appendix A: Conducted Output Power

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	40265	1RB#0	20.93	PASS
Band41	5MHz	QPSK	40265	1RB#12	21.18	PASS
Band41	5MHz	QPSK	40265	1RB#24	20.95	PASS
Band41	5MHz	QPSK	40265	12RB#0	20.13	PASS
Band41	5MHz	QPSK	40265	12RB#6	20.14	PASS
Band41	5MHz	QPSK	40265	12RB#13	20.25	PASS
Band41	5MHz	QPSK	40265	25RB#0	20.23	PASS
Band41	5MHz	QPSK	40690	1RB#0	20.75	PASS
Band41	5MHz	QPSK	40690	1RB#12	20.88	PASS
Band41	5MHz	QPSK	40690	1RB#24	20.75	PASS
Band41	5MHz	QPSK	40690	12RB#0	20.05	PASS
Band41	5MHz	QPSK	40690	12RB#6	20.13	PASS
Band41	5MHz	QPSK	40690	12RB#13	19.99	PASS
Band41	5MHz	QPSK	40690	25RB#0	20.04	PASS
Band41	5MHz	QPSK	41215	1RB#0	20.68	PASS
Band41	5MHz	QPSK	41215	1RB#12	21.00	PASS
Band41	5MHz	QPSK	41215	1RB#24	20.79	PASS
Band41	5MHz	QPSK	41215	12RB#0	19.86	PASS
Band41	5MHz	QPSK	41215	12RB#6	19.96	PASS
Band41	5MHz	QPSK	41215	12RB#13	19.97	PASS
Band41	5MHz	QPSK	41215	25RB#0	19.93	PASS

Band41	5MHz	16QAM	40265	1RB#0	20.07	PASS
Band41	5MHz	16QAM	40265	1RB#12	20.26	PASS
Band41	5MHz	16QAM	40265	1RB#24	20.18	PASS
Band41	5MHz	16QAM	40265	12RB#0	19.10	PASS
Band41	5MHz	16QAM	40265	12RB#6	19.10	PASS
Band41	5MHz	16QAM	40265	12RB#13	19.25	PASS
Band41	5MHz	16QAM	40265	25RB#0	19.21	PASS
Band41	5MHz	16QAM	40690	1RB#0	19.95	PASS
Band41	5MHz	16QAM	40690	1RB#12	19.93	PASS
Band41	5MHz	16QAM	40690	1RB#24	19.93	PASS
Band41	5MHz	16QAM	40690	12RB#0	19.02	PASS
Band41	5MHz	16QAM	40690	12RB#6	19.01	PASS
Band41	5MHz	16QAM	40690	12RB#13	18.95	PASS
Band41	5MHz	16QAM	40690	25RB#0	19.04	PASS
Band41	5MHz	16QAM	41215	1RB#0	20.00	PASS
Band41	5MHz	16QAM	41215	1RB#12	20.16	PASS
Band41	5MHz	16QAM	41215	1RB#24	19.84	PASS
Band41	5MHz	16QAM	41215	12RB#0	18.86	PASS
Band41	5MHz	16QAM	41215	12RB#6	18.95	PASS
Band41	5MHz	16QAM	41215	12RB#13	18.95	PASS
Band41	5MHz	16QAM	41215	25RB#0	18.94	PASS
Band41	10MHz	QPSK	40290	1RB#0	21.08	PASS
Band41	10MHz	QPSK	40290	1RB#24	21.28	PASS
Band41	10MHz	QPSK	40290	1RB#49	21.05	PASS
Band41	10MHz	QPSK	40290	25RB#0	20.32	PASS
Band41	10MHz	QPSK	40290	25RB#12	20.32	PASS
Band41	10MHz	QPSK	40290	25RB#25	20.37	PASS
Band41	10MHz	QPSK	40290	50RB#0	20.37	PASS
Band41	10MHz	QPSK	40690	1RB#0	20.78	PASS
Band41	10MHz	QPSK	40690	1RB#24	20.82	PASS
Band41	10MHz	QPSK	40690	1RB#49	20.64	PASS
Band41	10MHz	QPSK	40690	25RB#0	20.06	PASS
Band41	10MHz	QPSK	40690	25RB#12	20.05	PASS
Band41	10MHz	QPSK	40690	25RB#25	20.11	PASS
Band41	10MHz	QPSK	40690	50RB#0	20.10	PASS
Band41	10MHz	QPSK	41190	1RB#0	20.71	PASS
Band41	10MHz	QPSK	41190	1RB#24	20.97	PASS

Band41	10MHz	QPSK	41190	1RB#49	20.76	PASS
Band41	10MHz	QPSK	41190	25RB#0	19.94	PASS
Band41	10MHz	QPSK	41190	25RB#12	19.94	PASS
Band41	10MHz	QPSK	41190	25RB#25	19.96	PASS
Band41	10MHz	QPSK	41190	50RB#0	19.91	PASS
Band41	10MHz	16QAM	40290	1RB#0	20.41	PASS
Band41	10MHz	16QAM	40290	1RB#24	20.44	PASS
Band41	10MHz	16QAM	40290	1RB#49	20.41	PASS
Band41	10MHz	16QAM	40290	25RB#0	19.35	PASS
Band41	10MHz	16QAM	40290	25RB#12	19.35	PASS
Band41	10MHz	16QAM	40290	25RB#25	19.44	PASS
Band41	10MHz	16QAM	40290	50RB#0	19.40	PASS
Band41	10MHz	16QAM	40690	1RB#0	20.22	PASS
Band41	10MHz	16QAM	40690	1RB#24	19.98	PASS
Band41	10MHz	16QAM	40690	1RB#49	19.80	PASS
Band41	10MHz	16QAM	40690	25RB#0	18.98	PASS
Band41	10MHz	16QAM	40690	25RB#12	19.24	PASS
Band41	10MHz	16QAM	40690	25RB#25	19.26	PASS
Band41	10MHz	16QAM	40690	50RB#0	19.19	PASS
Band41	10MHz	16QAM	41190	1RB#0	20.01	PASS
Band41	10MHz	16QAM	41190	1RB#24	20.36	PASS
Band41	10MHz	16QAM	41190	1RB#49	20.15	PASS
Band41	10MHz	16QAM	41190	25RB#0	18.93	PASS
Band41	10MHz	16QAM	41190	25RB#12	18.92	PASS
Band41	10MHz	16QAM	41190	25RB#25	19.11	PASS
Band41	10MHz	16QAM	41190	50RB#0	18.90	PASS
Band41	15MHz	QPSK	40315	1RB#0	21.05	PASS
Band41	15MHz	QPSK	40315	1RB#38	21.15	PASS
Band41	15MHz	QPSK	40315	1RB#74	21.09	PASS
Band41	15MHz	QPSK	40315	38RB#0	20.36	PASS
Band41	15MHz	QPSK	40315	38RB#18	20.34	PASS
Band41	15MHz	QPSK	40315	38RB#37	20.33	PASS
Band41	15MHz	QPSK	40315	75RB#0	20.30	PASS
Band41	15MHz	QPSK	40690	1RB#0	20.80	PASS
Band41	15MHz	QPSK	40690	1RB#38	20.81	PASS
Band41	15MHz	QPSK	40690	1RB#74	20.73	PASS
Band41	15MHz	QPSK	40690	38RB#0	20.17	PASS

Band41	15MHz	QPSK	40690	38RB#18	20.15	PASS
Band41	15MHz	QPSK	40690	38RB#37	20.14	PASS
Band41	15MHz	QPSK	40690	75RB#0	20.07	PASS
Band41	15MHz	QPSK	41165	1RB#0	20.70	PASS
Band41	15MHz	QPSK	41165	1RB#38	20.81	PASS
Band41	15MHz	QPSK	41165	1RB#74	20.89	PASS
Band41	15MHz	QPSK	41165	38RB#0	20.02	PASS
Band41	15MHz	QPSK	41165	38RB#18	19.87	PASS
Band41	15MHz	QPSK	41165	38RB#37	19.83	PASS
Band41	15MHz	QPSK	41165	75RB#0	19.91	PASS
Band41	15MHz	16QAM	40315	1RB#0	20.39	PASS
Band41	15MHz	16QAM	40315	1RB#38	20.51	PASS
Band41	15MHz	16QAM	40315	1RB#74	20.54	PASS
Band41	15MHz	16QAM	40315	38RB#0	20.34	PASS
Band41	15MHz	16QAM	40315	38RB#18	20.33	PASS
Band41	15MHz	16QAM	40315	38RB#37	20.32	PASS
Band41	15MHz	16QAM	40315	75RB#0	19.41	PASS
Band41	15MHz	16QAM	40690	1RB#0	20.22	PASS
Band41	15MHz	16QAM	40690	1RB#38	20.17	PASS
Band41	15MHz	16QAM	40690	1RB#74	20.09	PASS
Band41	15MHz	16QAM	40690	38RB#0	20.16	PASS
Band41	15MHz	16QAM	40690	38RB#18	20.14	PASS
Band41	15MHz	16QAM	40690	38RB#37	20.06	PASS
Band41	15MHz	16QAM	40690	75RB#0	19.29	PASS
Band41	15MHz	16QAM	41165	1RB#0	20.09	PASS
Band41	15MHz	16QAM	41165	1RB#38	19.88	PASS
Band41	15MHz	16QAM	41165	1RB#74	20.14	PASS
Band41	15MHz	16QAM	41165	38RB#0	20.01	PASS
Band41	15MHz	16QAM	41165	38RB#18	19.86	PASS
Band41	15MHz	16QAM	41165	38RB#37	19.82	PASS
Band41	15MHz	16QAM	41165	75RB#0	19.05	PASS
Band41	20MHz	QPSK	40340	1RB#0	21.10	PASS
Band41	20MHz	QPSK	40340	1RB#49	21.31	PASS
Band41	20MHz	QPSK	40340	1RB#99	20.97	PASS
Band41	20MHz	QPSK	40340	50RB#0	20.42	PASS
Band41	20MHz	QPSK	40340	50RB#25	20.30	PASS
Band41	20MHz	QPSK	40340	50RB#50	20.46	PASS

Band41	20MHz	QPSK	40340	100RB#0	20.46	PASS
Band41	20MHz	QPSK	40690	1RB#0	20.95	PASS
Band41	20MHz	QPSK	40690	1RB#49	20.87	PASS
Band41	20MHz	QPSK	40690	1RB#99	20.71	PASS
Band41	20MHz	QPSK	40690	50RB#0	20.23	PASS
Band41	20MHz	QPSK	40690	50RB#25	20.24	PASS
Band41	20MHz	QPSK	40690	50RB#50	20.11	PASS
Band41	20MHz	QPSK	40690	100RB#0	20.23	PASS
Band41	20MHz	QPSK	41140	1RB#0	20.73	PASS
Band41	20MHz	QPSK	41140	1RB#49	20.93	PASS
Band41	20MHz	QPSK	41140	1RB#99	20.86	PASS
Band41	20MHz	QPSK	41140	50RB#0	20.02	PASS
Band41	20MHz	QPSK	41140	50RB#25	20.03	PASS
Band41	20MHz	QPSK	41140	50RB#50	20.02	PASS
Band41	20MHz	QPSK	41140	100RB#0	19.91	PASS
Band41	20MHz	16QAM	40340	1RB#0	20.80	PASS
Band41	20MHz	16QAM	40340	1RB#49	21.23	PASS
Band41	20MHz	16QAM	40340	1RB#99	20.71	PASS
Band41	20MHz	16QAM	40340	50RB#0	19.41	PASS
Band41	20MHz	16QAM	40340	50RB#25	19.47	PASS
Band41	20MHz	16QAM	40340	50RB#50	19.44	PASS
Band41	20MHz	16QAM	40340	100RB#0	19.42	PASS
Band41	20MHz	16QAM	40690	1RB#0	20.41	PASS
Band41	20MHz	16QAM	40690	1RB#49	20.76	PASS
Band41	20MHz	16QAM	40690	1RB#99	20.45	PASS
Band41	20MHz	16QAM	40690	50RB#0	19.39	PASS
Band41	20MHz	16QAM	40690	50RB#25	19.24	PASS
Band41	20MHz	16QAM	40690	50RB#50	19.21	PASS
Band41	20MHz	16QAM	40690	100RB#0	19.21	PASS
Band41	20MHz	16QAM	41140	1RB#0	20.61	PASS
Band41	20MHz	16QAM	41140	1RB#49	20.85	PASS
Band41	20MHz	16QAM	41140	1RB#99	20.62	PASS
Band41	20MHz	16QAM	41140	50RB#0	19.14	PASS
Band41	20MHz	16QAM	41140	50RB#25	19.14	PASS
Band41	20MHz	16QAM	41140	50RB#50	19.17	PASS
Band41	20MHz	16QAM	41140	100RB#0	19.11	PASS

Appendix B: Peak-to-Average Ratio(CCDF)

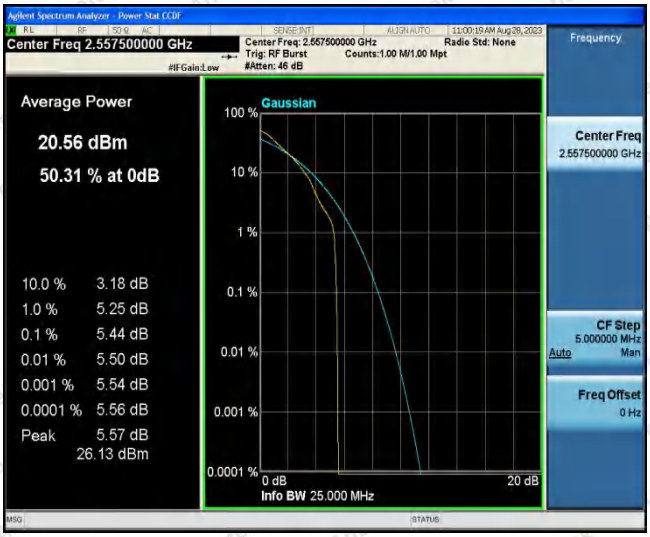
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	40265	1RB#0	5.44	13	PASS
Band41	5MHz	QPSK	40265	25RB#0	5.31	13	PASS
Band41	5MHz	QPSK	40690	1RB#0	4.76	13	PASS
Band41	5MHz	QPSK	40690	25RB#0	5.32	13	PASS
Band41	5MHz	QPSK	41215	1RB#0	4.89	13	PASS
Band41	5MHz	QPSK	41215	25RB#0	5.35	13	PASS
Band41	5MHz	16QAM	40265	1RB#0	5.91	13	PASS
Band41	5MHz	16QAM	40265	25RB#0	6.17	13	PASS
Band41	5MHz	16QAM	40690	1RB#0	5.76	13	PASS
Band41	5MHz	16QAM	40690	25RB#0	6.17	13	PASS
Band41	5MHz	16QAM	41215	1RB#0	5.89	13	PASS
Band41	5MHz	16QAM	41215	25RB#0	6.20	13	PASS
Band41	10MHz	QPSK	40290	1RB#0	5.05	13	PASS
Band41	10MHz	QPSK	40290	50RB#0	5.42	13	PASS
Band41	10MHz	QPSK	40690	1RB#0	5.92	13	PASS
Band41	10MHz	QPSK	40690	50RB#0	5.45	13	PASS
Band41	10MHz	QPSK	41190	1RB#0	4.73	13	PASS
Band41	10MHz	QPSK	41190	50RB#0	5.45	13	PASS
Band41	10MHz	16QAM	40290	1RB#0	6.09	13	PASS
Band41	10MHz	16QAM	40290	50RB#0	6.17	13	PASS
Band41	10MHz	16QAM	40690	1RB#0	5.86	13	PASS
Band41	10MHz	16QAM	40690	50RB#0	6.16	13	PASS
Band41	10MHz	16QAM	41190	1RB#0	5.92	13	PASS
Band41	10MHz	16QAM	41190	50RB#0	6.18	13	PASS
Band41	15MHz	QPSK	40315	1RB#0	5.04	13	PASS
Band41	15MHz	QPSK	40315	75RB#0	5.65	13	PASS
Band41	15MHz	QPSK	40690	1RB#0	4.83	13	PASS
Band41	15MHz	QPSK	40690	75RB#0	5.68	13	PASS
Band41	15MHz	QPSK	41165	1RB#0	5.09	13	PASS
Band41	15MHz	QPSK	41165	75RB#0	5.68	13	PASS
Band41	15MHz	16QAM	40315	1RB#0	6.11	13	PASS
Band41	15MHz	16QAM	40315	75RB#0	6.26	13	PASS
Band41	15MHz	16QAM	40690	1RB#0	6.51	13	PASS
Band41	15MHz	16QAM	40690	75RB#0	6.26	13	PASS

Band41	15MHz	16QAM	41165	1RB#0	6.03	13	PASS
Band41	15MHz	16QAM	41165	75RB#0	6.24	13	PASS
Band41	20MHz	QPSK	40340	1RB#0	4.78	13	PASS
Band41	20MHz	QPSK	40340	100RB#0	5.23	13	PASS
Band41	20MHz	QPSK	40690	1RB#0	4.77	13	PASS
Band41	20MHz	QPSK	40690	100RB#0	5.23	13	PASS
Band41	20MHz	QPSK	41140	1RB#0	4.92	13	PASS
Band41	20MHz	QPSK	41140	100RB#0	5.26	13	PASS
Band41	20MHz	16QAM	40340	1RB#0	5.84	13	PASS
Band41	20MHz	16QAM	40340	100RB#0	6.14	13	PASS
Band41	20MHz	16QAM	40690	1RB#0	6.14	13	PASS
Band41	20MHz	16QAM	40690	100RB#0	6.11	13	PASS
Band41	20MHz	16QAM	41140	1RB#0	5.94	13	PASS
Band41	20MHz	16QAM	41140	100RB#0	6.09	13	PASS

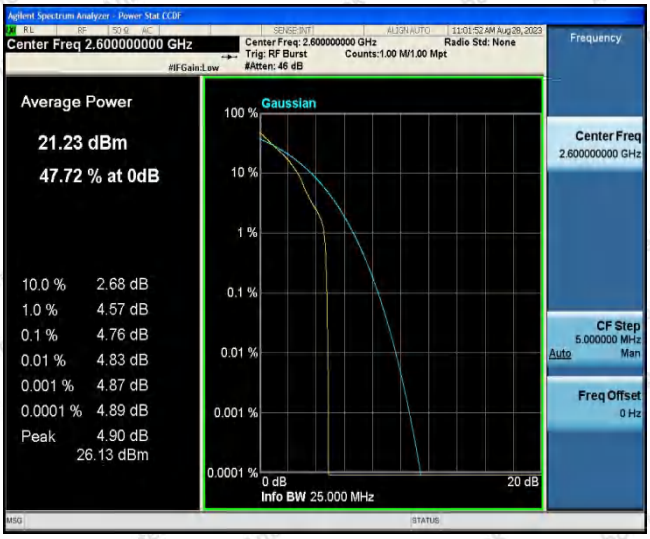
Test Graphs

Band41-5MHz-QPSK-40265-1RB#0

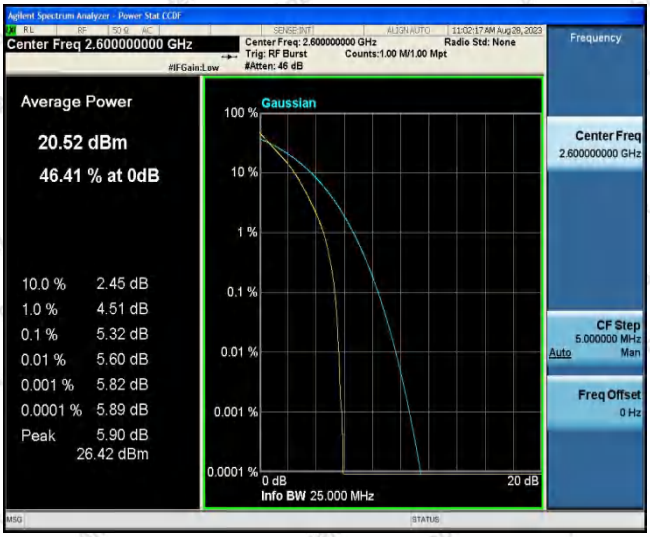


Band41-5MHz-QPSK-40265-25RB#0

Band41-5MHz-QPSK-40690-1RB#0

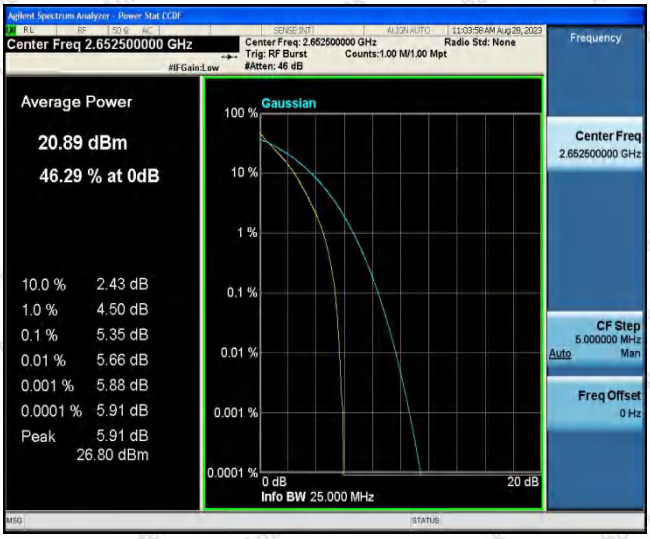


Band41-5MHz-QPSK-40690-25RB#0

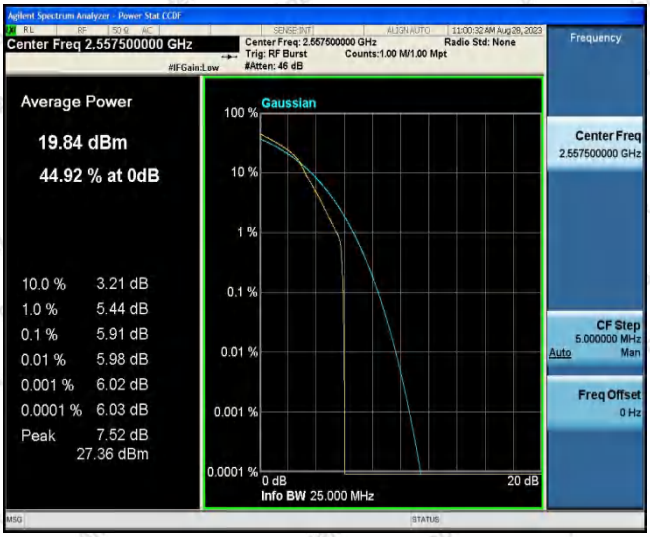


Band41-5MHz-QPSK-41215-1RB#0

Band41-5MHz-QPSK-41215-25RB#0



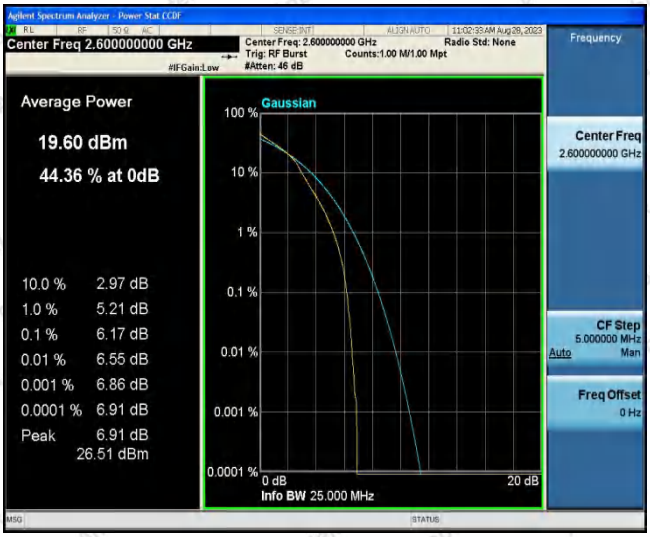
Band41-5MHz-16QAM-40265-1RB#0



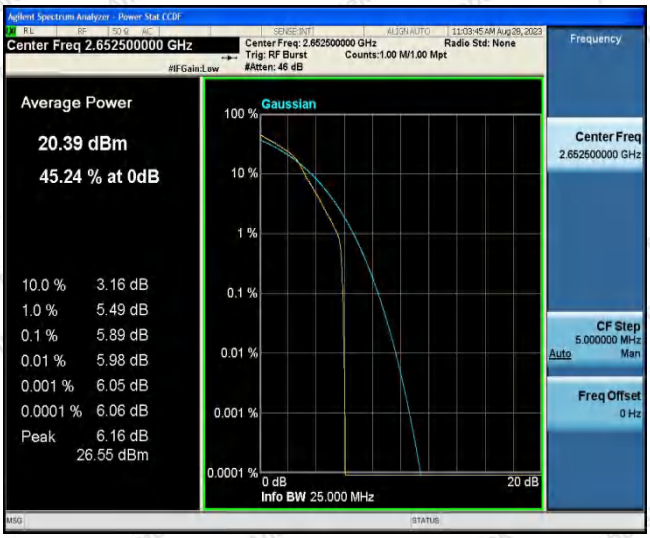
Band41-5MHz-16QAM-40265-25RB#0

Band41-5MHz-16QAM-40690-1RB#0

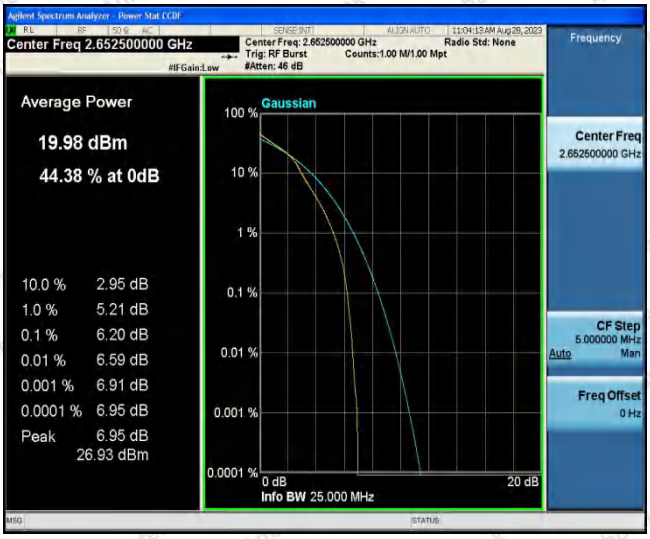
Band41-5MHz-16QAM-40690-25RB#0



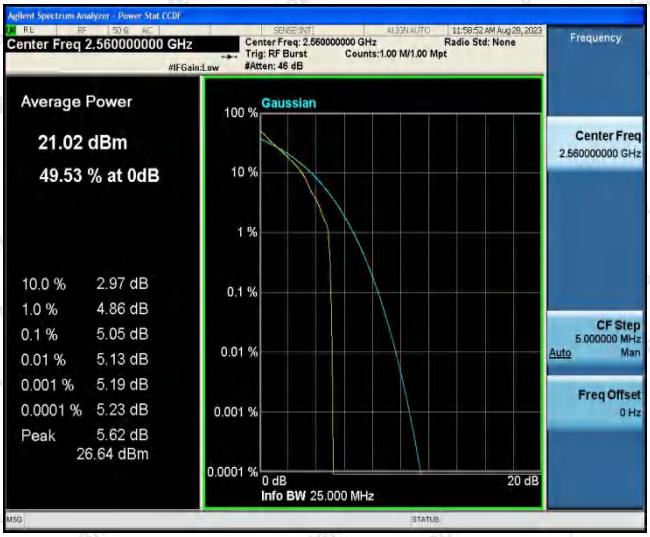
Band41-5MHz-16QAM-41215-1RB#0



Band41-5MHz-16QAM-41215-25RB#0

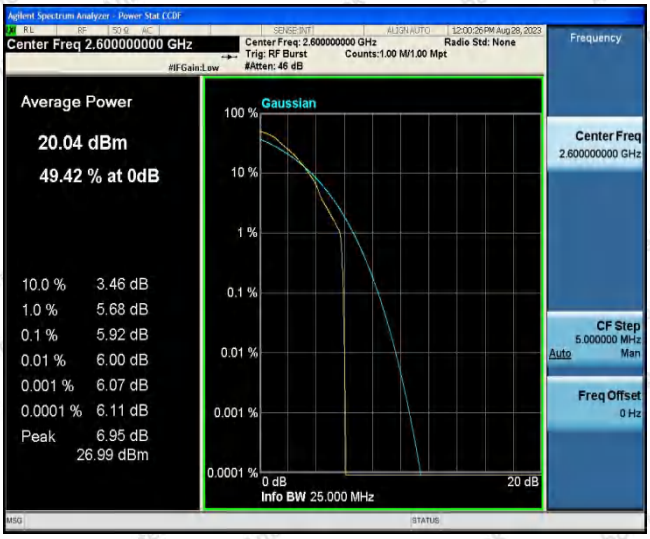


Band41-10MHz-QPSK-40290-1RB#0

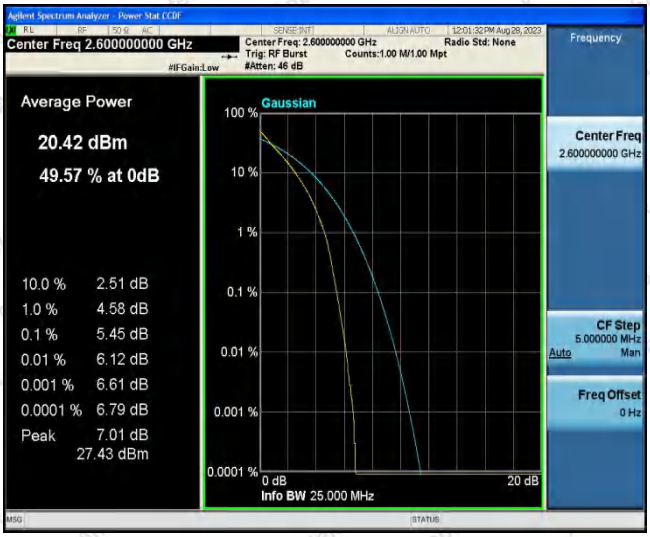


Band41-10MHz-QPSK-40290-50RB#0

Band41-10MHz-QPSK-40690-1RB#0

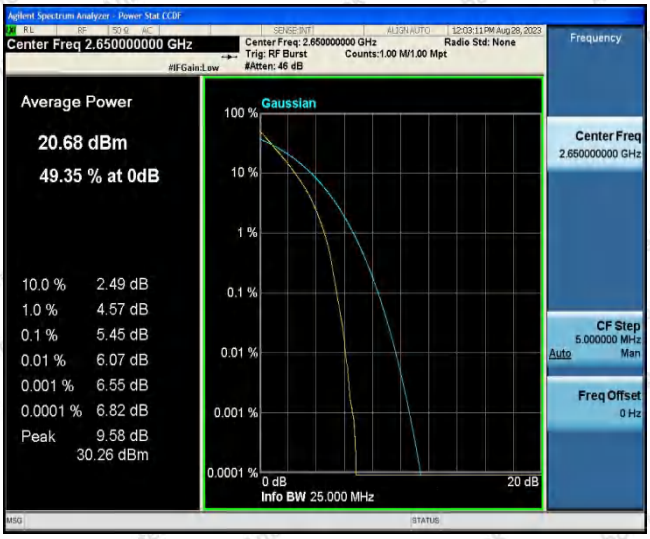


Band41-10MHz-QPSK-40690-50RB#0

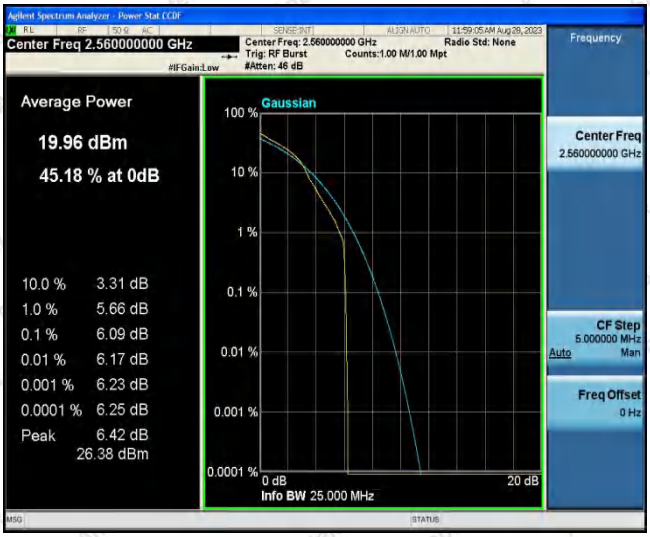


Band41-10MHz-QPSK-41190-1RB#0

Band41-10MHz-QPSK-41190-50RB#0

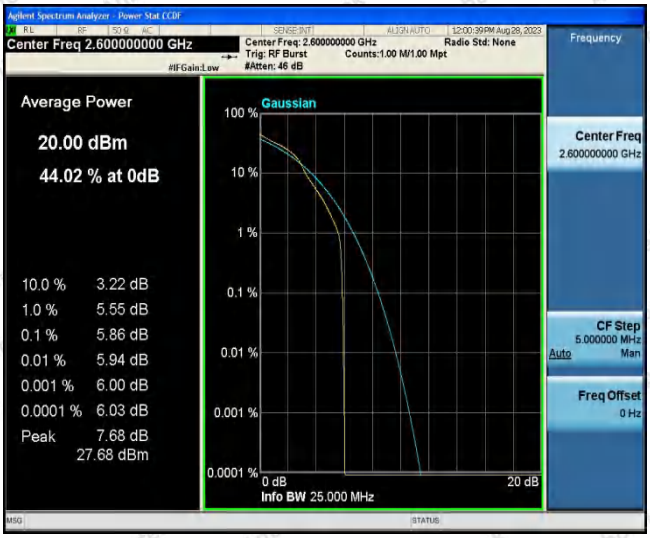


Band41-10MHz-16QAM-40290-1RB#0

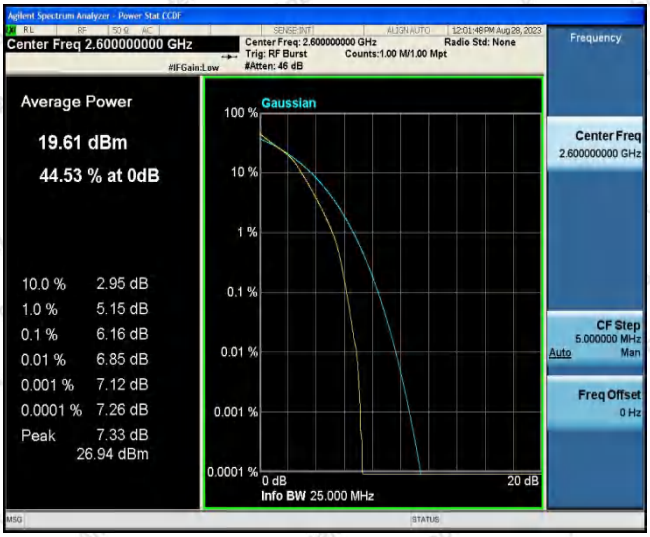


Band41-10MHz-16QAM-40290-50RB#0

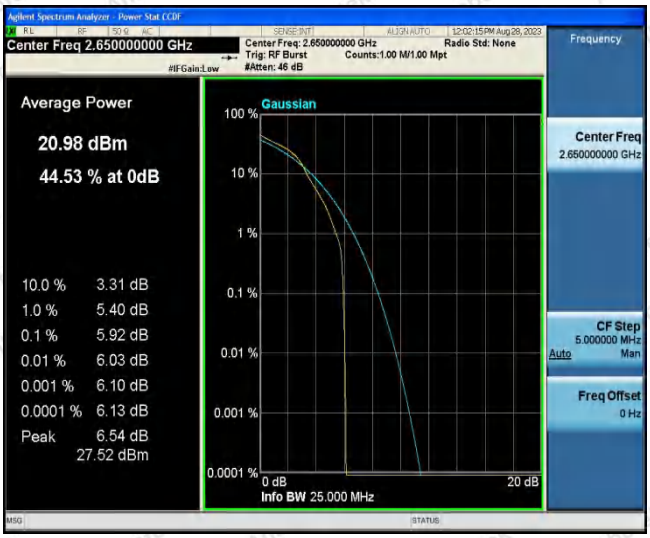
Band41-10MHz-16QAM-40690-1RB#0



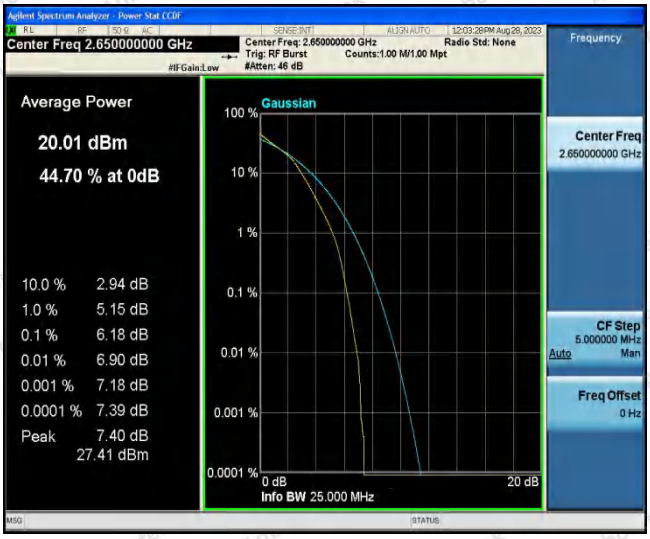
Band41-10MHz-16QAM-40690-50RB#0



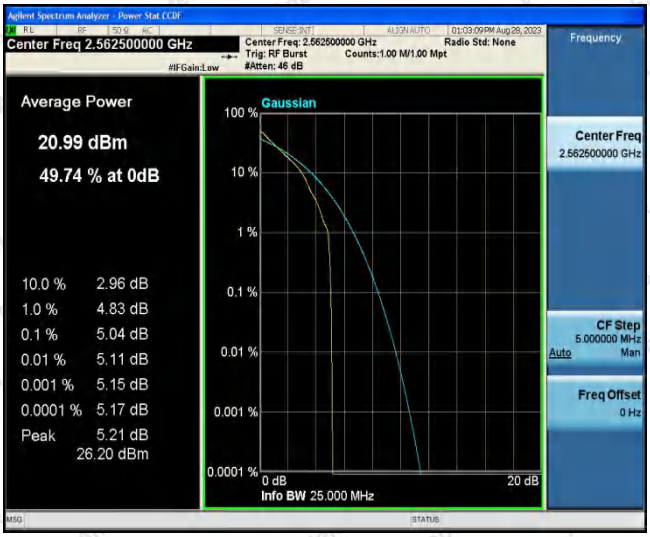
Band41-10MHz-16QAM-41190-1RB#0



Band41-10MHz-16QAM-41190-50RB#0



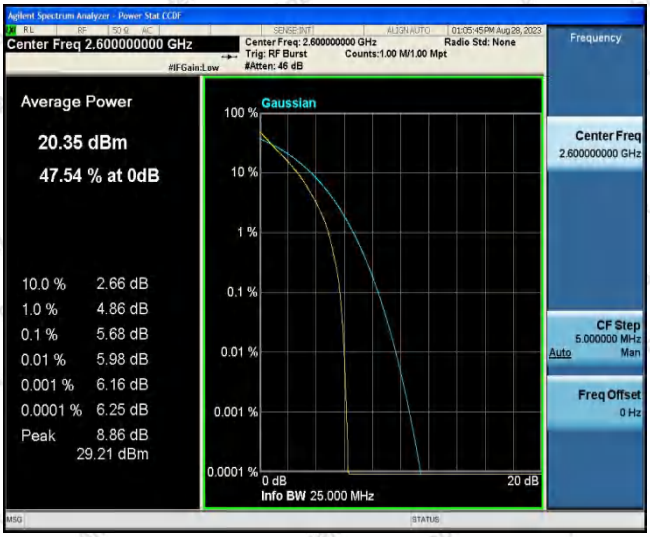
Band41-15MHz-QPSK-40315-1RB#0



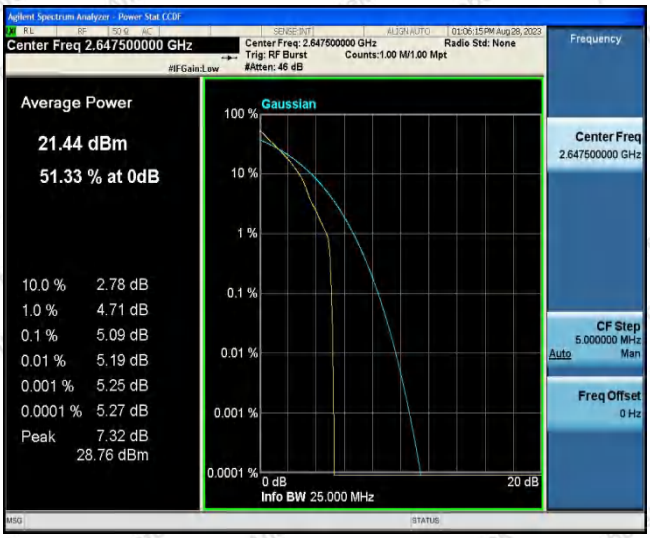
Band41-15MHz-QPSK-40315-75RB#0

Band41-15MHz-QPSK-40690-1RB#0

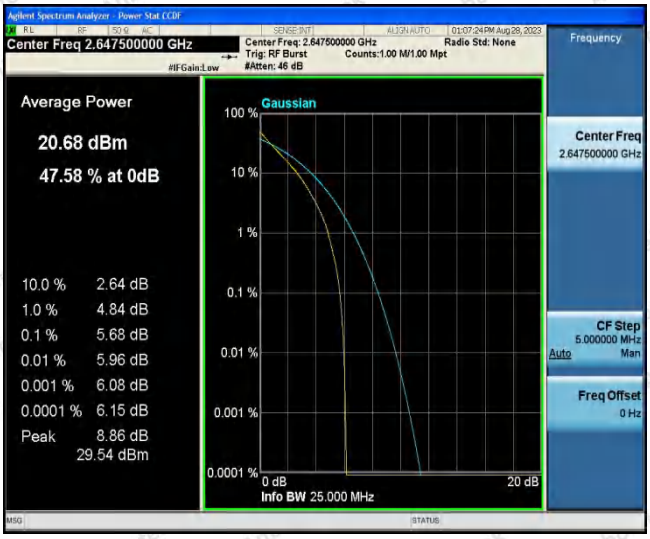
Band41-15MHz-QPSK-40690-75RB#0



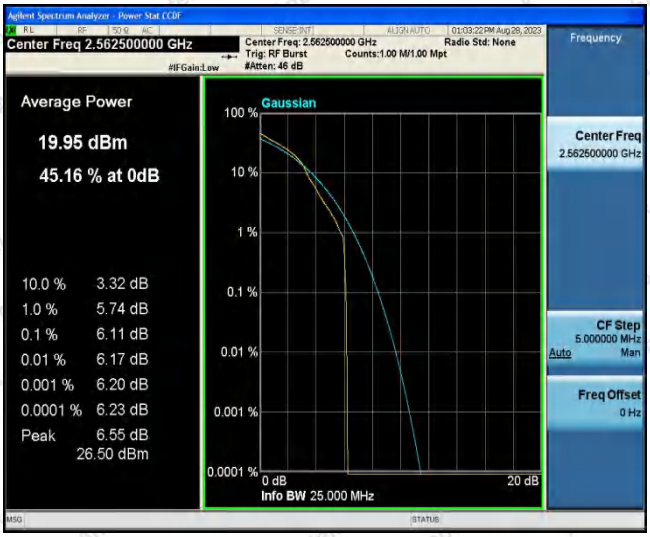
Band41-15MHz-QPSK-41165-1RB#0



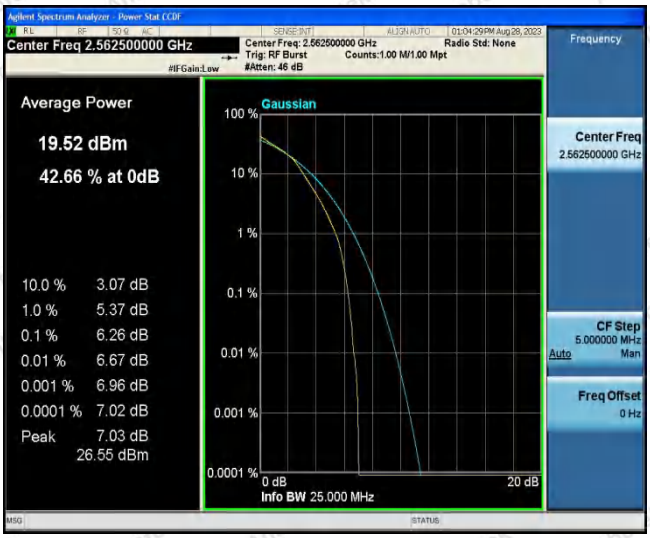
Band41-15MHz-QPSK-41165-75RB#0



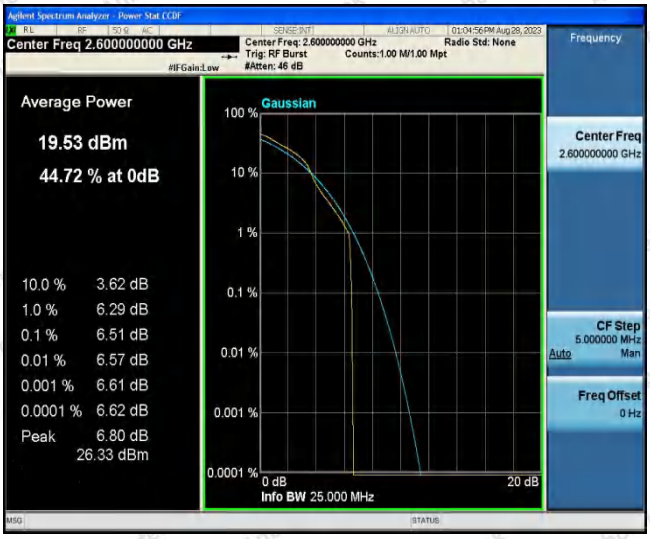
Band41-15MHz-16QAM-40315-1RB#0



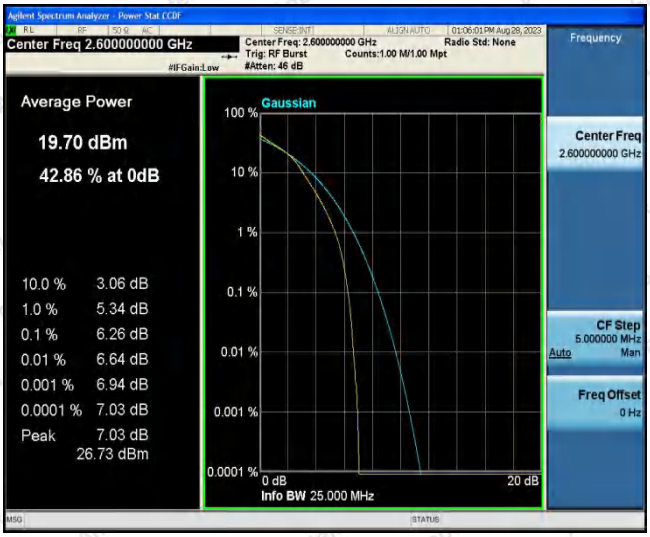
Band41-15MHz-16QAM-40315-75RB#0



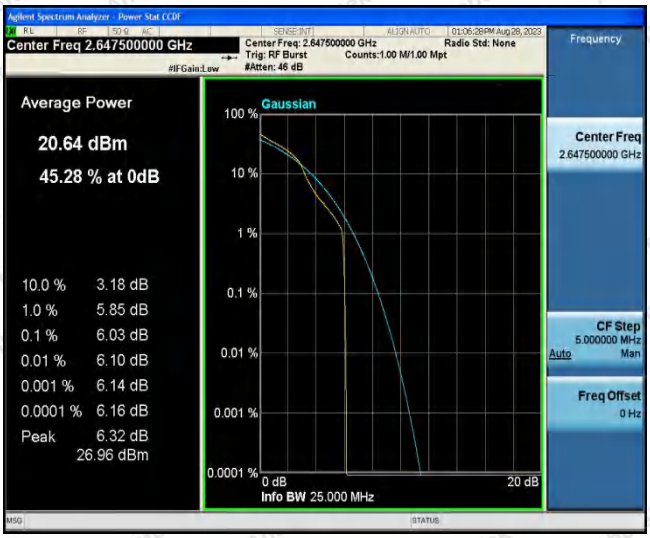
Band41-15MHz-16QAM-40690-1RB#0



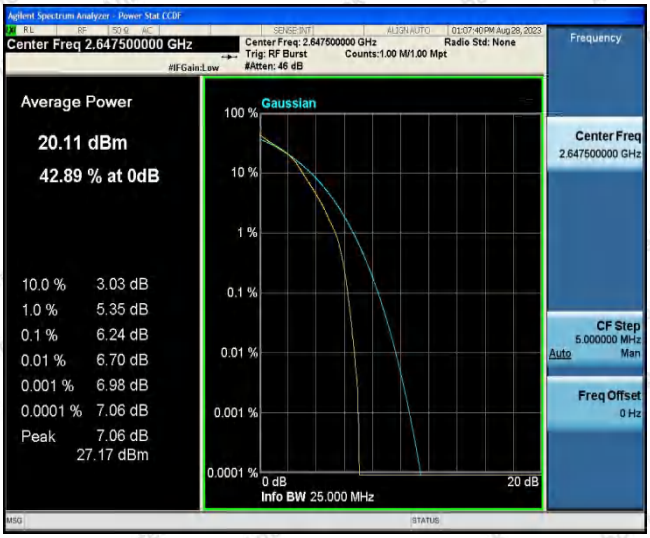
Band41-15MHz-16QAM-40690-75RB#0



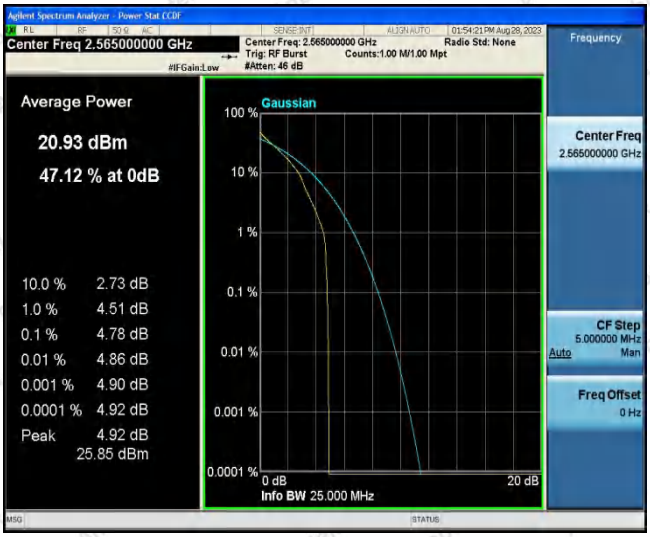
Band41-15MHz-16QAM-41165-1RB#0



Band41-15MHz-16QAM-41165-75RB#0

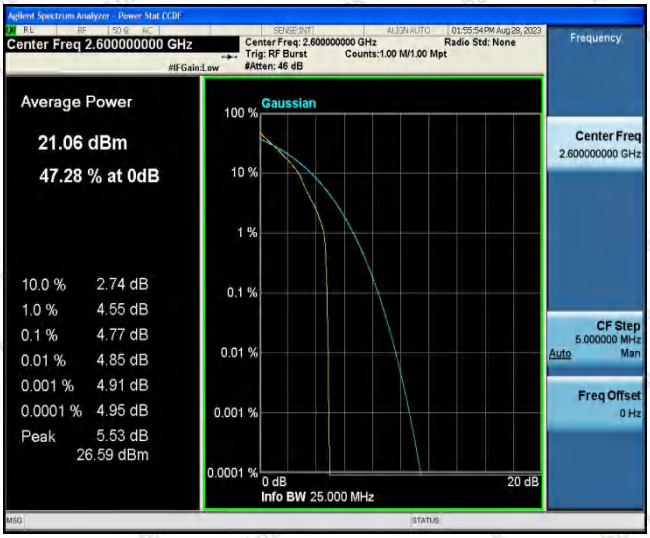


Band41-20MHz-QPSK-40340-1RB#0

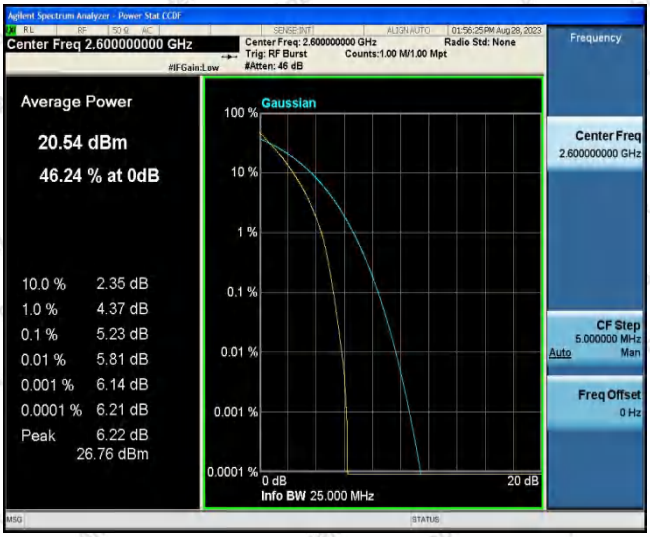


Band41-20MHz-QPSK-40340-100RB#0

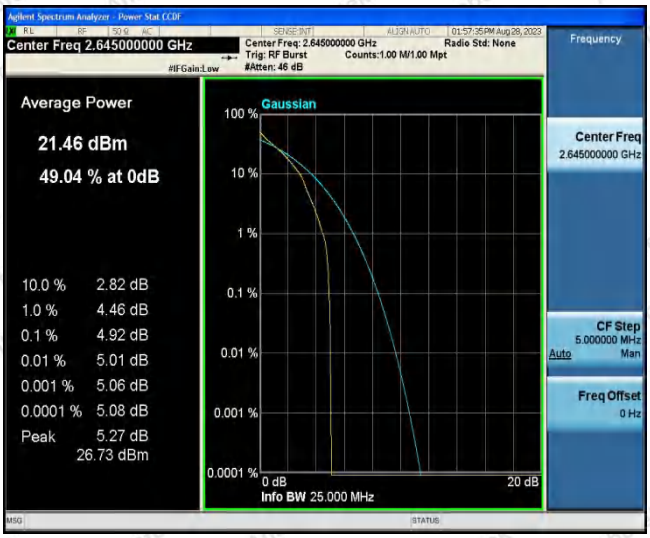
Band41-20MHz-QPSK-40690-1RB#0



Band41-20MHz-QPSK-40690-100RB#0

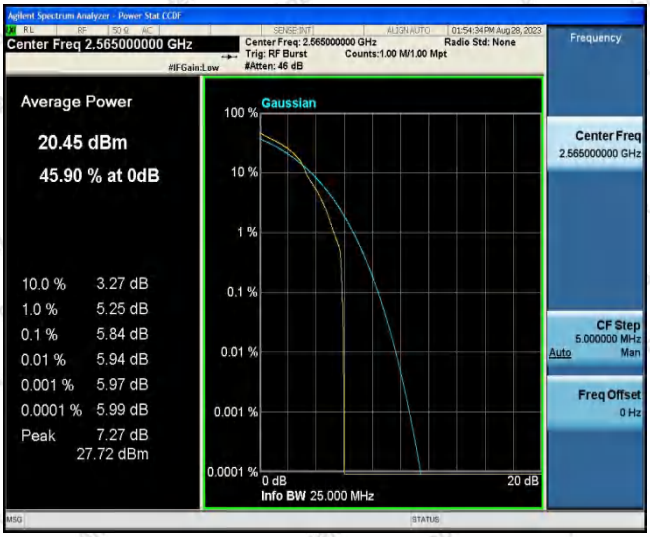


Band41-20MHz-QPSK-41140-1RB#0



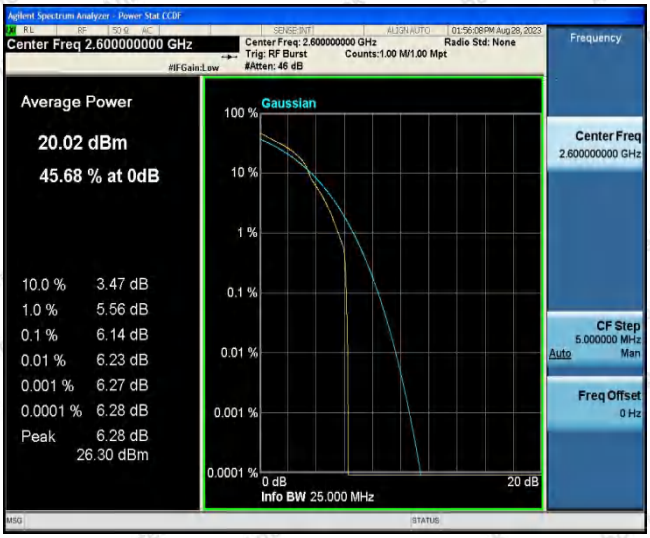
Band41-20MHz-QPSK-41140-100RB#0

Band41-20MHz-16QAM-40340-1RB#0

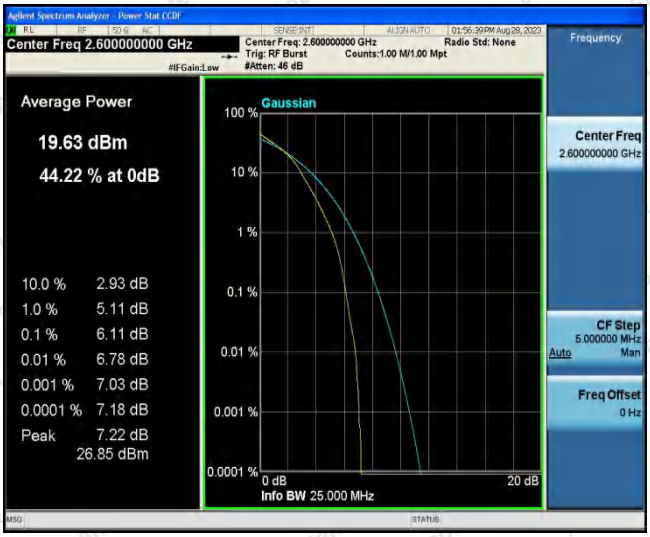


Band41-20MHz-16QAM-40340-100RB#0

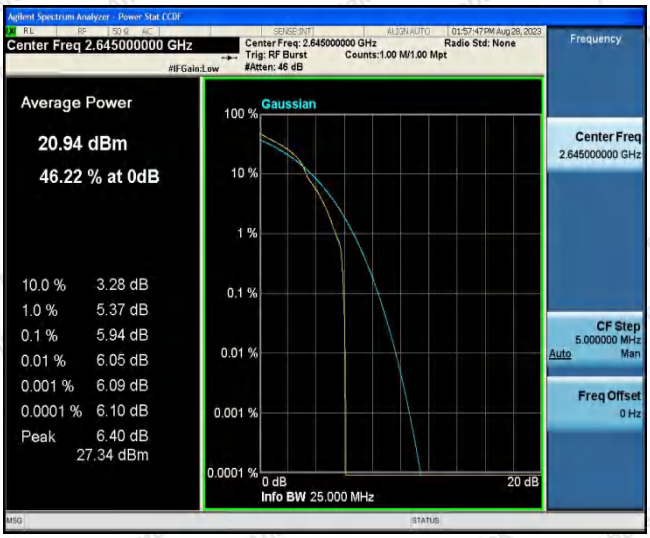
Band41-20MHz-16QAM-40690-1RB#0



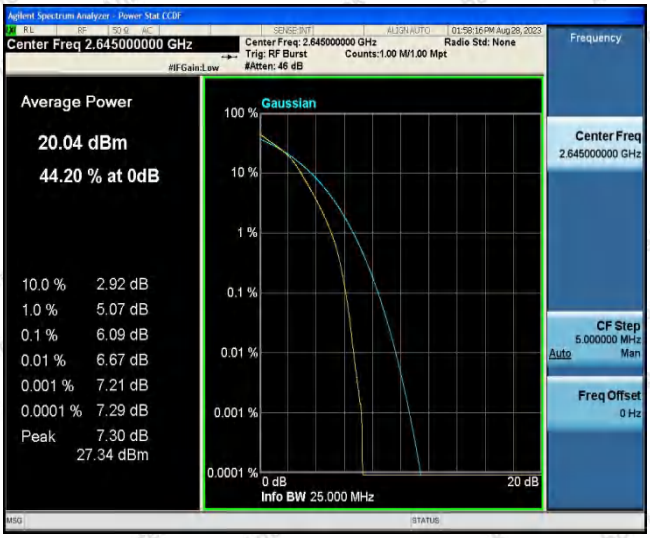
Band41-20MHz-16QAM-40690-100RB#0



Band41-20MHz-16QAM-41140-1RB#0



Band41-20MHz-16QAM-41140-100RB#0


Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 2.645000000 GHz
Center Freq: 2.645000000 GHz
Trig: RF Burst
#Atten: 46 dB
Counts:1.00 M/1.00 Mpt
Radio Std: None
Frequency
Average Power
20.04 dBm
44.20 % at 0dB
10.0 % 2.92 dB
1.0 % 5.07 dB
0.1 % 6.09 dB
0.01 % 6.67 dB
0.001 % 7.21 dB
0.0001 % 7.29 dB
Peak 7.30 dB
27.34 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Center Freq
2.645000000 GHz
CF Step
5.000000 MHz
Auto Man
Freq Offset
0 Hz

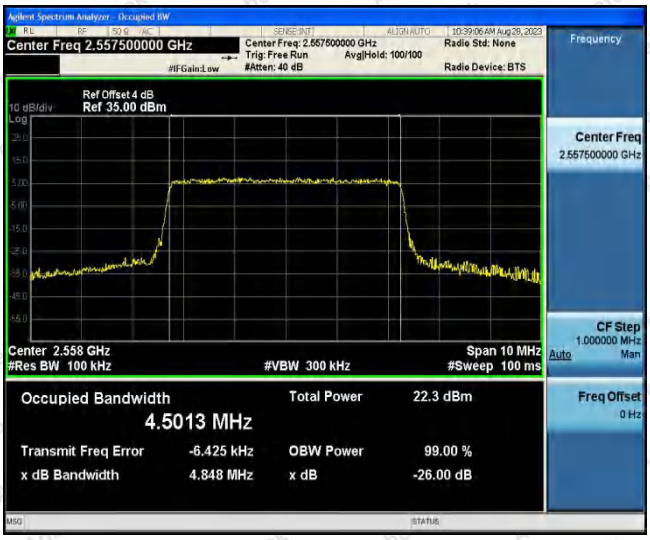
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

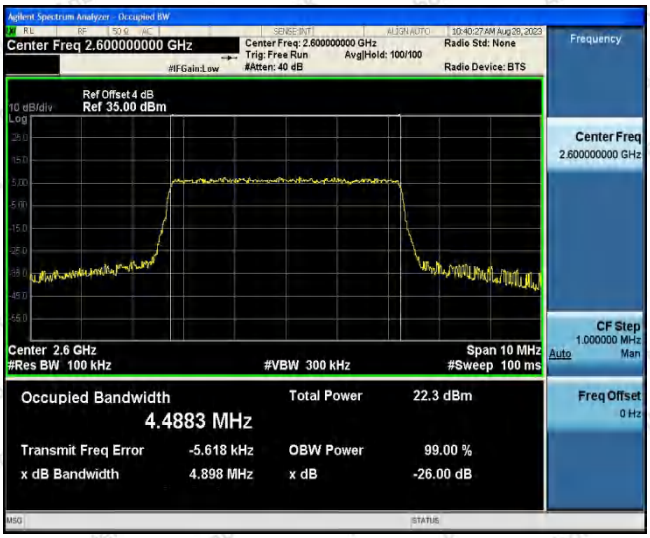
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	40265	25RB#0	4.5013	4.848	PASS
Band41	5MHz	QPSK	40690	25RB#0	4.4883	4.898	PASS
Band41	5MHz	QPSK	41215	25RB#0	4.4878	4.837	PASS
Band41	5MHz	16QAM	40265	25RB#0	4.4922	4.820	PASS
Band41	5MHz	16QAM	40690	25RB#0	4.4856	4.842	PASS
Band41	5MHz	16QAM	41215	25RB#0	4.4740	4.829	PASS
Band41	10MHz	QPSK	40290	50RB#0	8.9439	9.498	PASS
Band41	10MHz	QPSK	40690	50RB#0	8.9494	9.473	PASS
Band41	10MHz	QPSK	41190	50RB#0	8.9319	9.507	PASS
Band41	10MHz	16QAM	40290	50RB#0	8.9600	9.518	PASS
Band41	10MHz	16QAM	40690	50RB#0	8.9552	9.504	PASS
Band41	10MHz	16QAM	41190	50RB#0	8.9704	9.505	PASS
Band41	15MHz	QPSK	40315	75RB#0	13.468	14.23	PASS
Band41	15MHz	QPSK	40690	75RB#0	13.395	14.22	PASS
Band41	15MHz	QPSK	41165	75RB#0	13.452	14.22	PASS
Band41	15MHz	16QAM	40315	75RB#0	13.441	14.21	PASS
Band41	15MHz	16QAM	40690	75RB#0	13.448	14.25	PASS
Band41	15MHz	16QAM	41165	75RB#0	13.416	14.25	PASS
Band41	20MHz	QPSK	40340	100RB#0	17.890	18.91	PASS
Band41	20MHz	QPSK	40690	100RB#0	17.892	18.92	PASS
Band41	20MHz	QPSK	41140	100RB#0	17.870	18.95	PASS
Band41	20MHz	16QAM	40340	100RB#0	17.874	18.94	PASS
Band41	20MHz	16QAM	40690	100RB#0	17.888	18.93	PASS
Band41	20MHz	16QAM	41140	100RB#0	17.902	18.92	PASS

Test Graphs

Band41-5MHz-QPSK-40265-25RB#0



Band41-5MHz-QPSK-40690-25RB#0

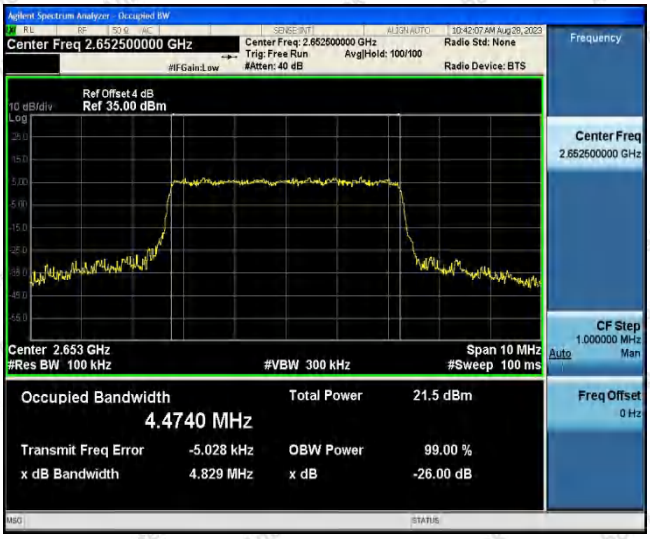


Band41-5MHz-QPSK-41215-25RB#0

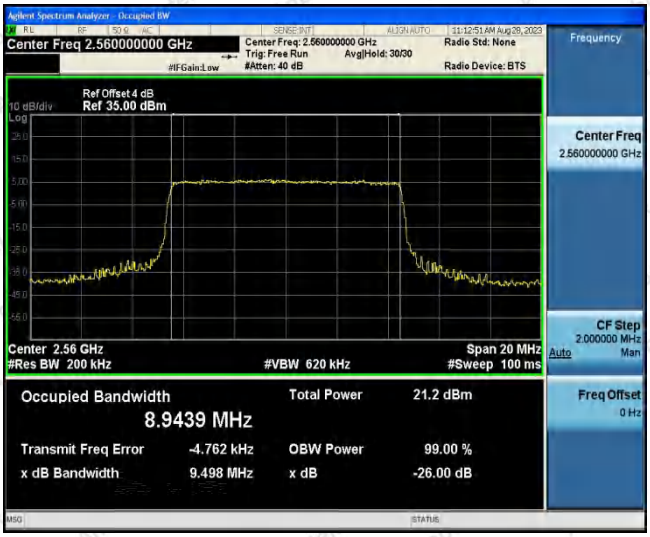
Band41-5MHz-16QAM-40265-25RB#0

Band41-5MHz-16QAM-40690-25RB#0

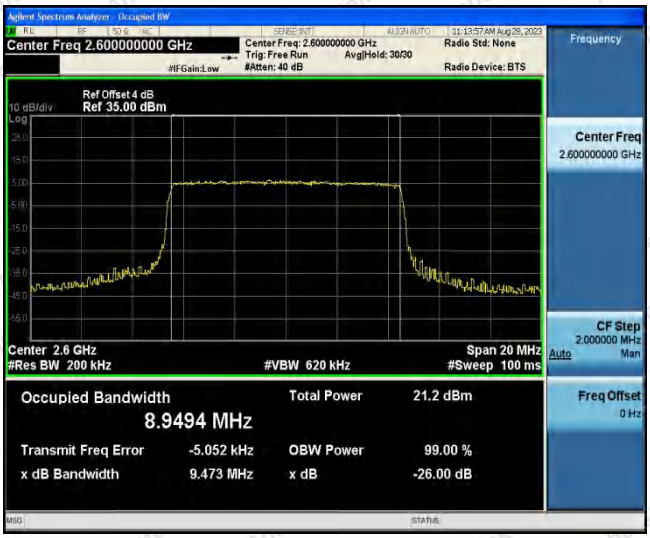
Band41-5MHz-16QAM-41215-25RB#0



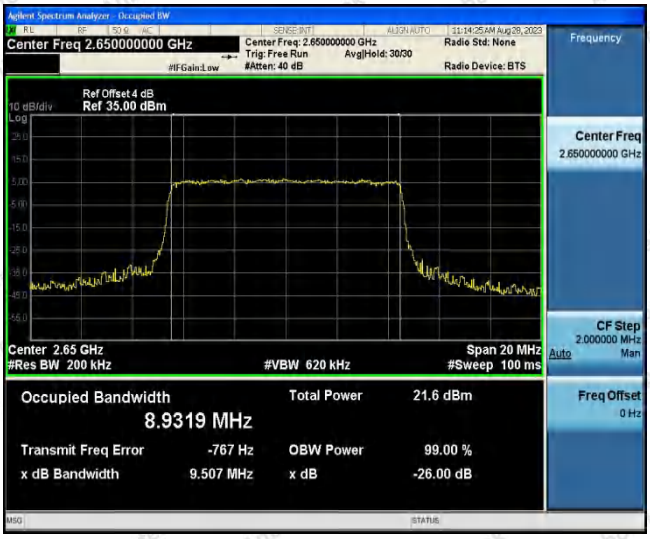
Band41-10MHz-QPSK-40290-50RB#0



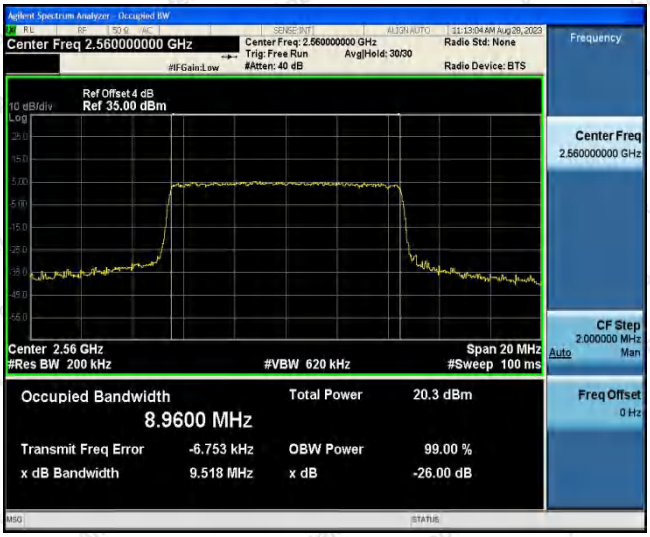
Band41-10MHz-QPSK-40690-50RB#0



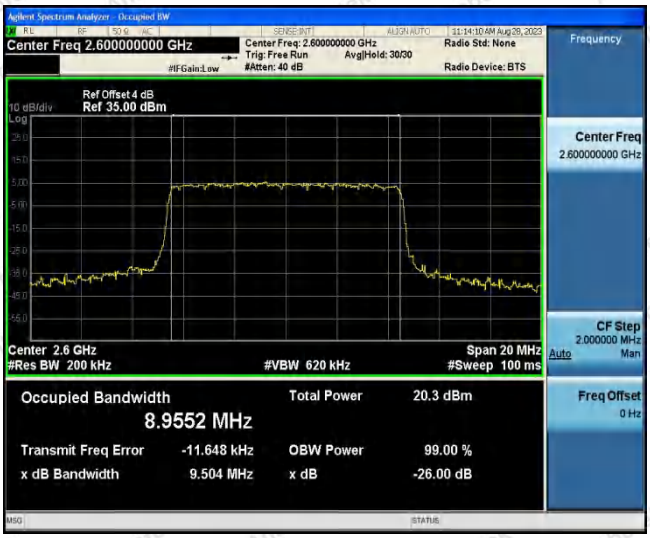
Band41-10MHz-QPSK-41190-50RB#0



Band41-10MHz-16QAM-40290-50RB#0



Band41-10MHz-16QAM-40690-50RB#0



Band41-10MHz-16QAM-41190-50RB#0

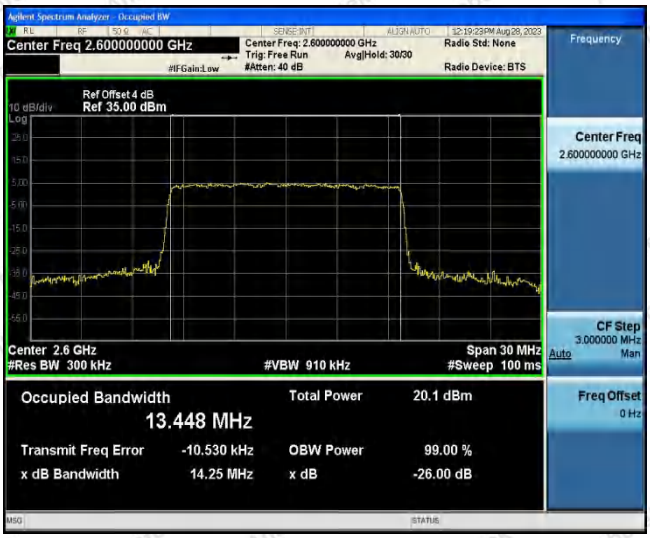
Band41-15MHz-QPSK-40315-75RB#0

Band41-15MHz-QPSK-40690-75RB#0

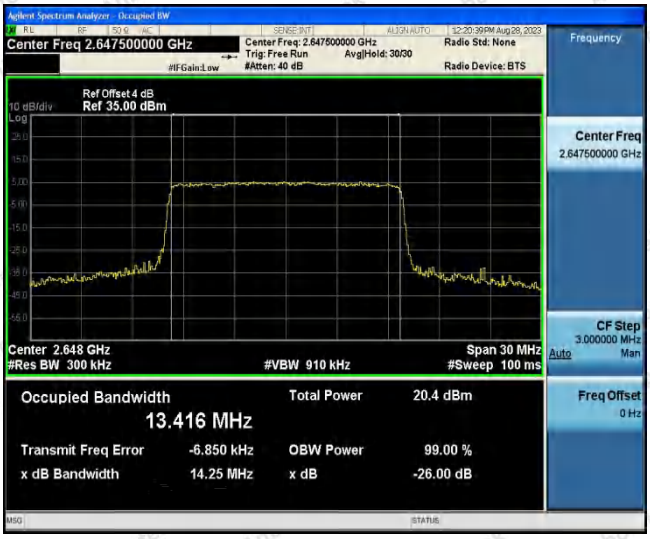
Band41-15MHz-QPSK-41165-75RB#0

Band41-15MHz-16QAM-40315-75RB#0

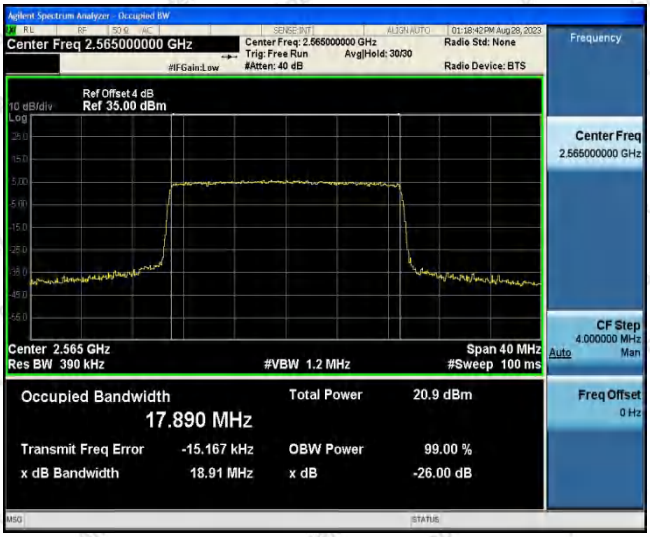
Band41-15MHz-16QAM-40690-75RB#0



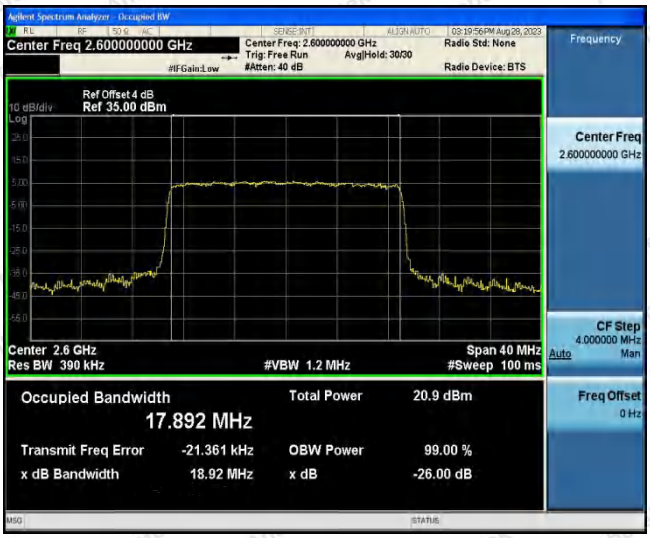
Band41-15MHz-16QAM-41165-75RB#0



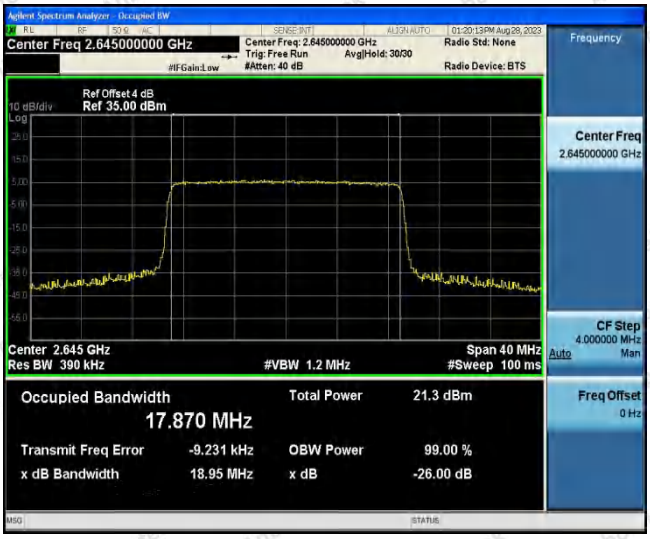
Band41-20MHz-QPSK-40340-100RB#0



Band41-20MHz-QPSK-40690-100RB#0

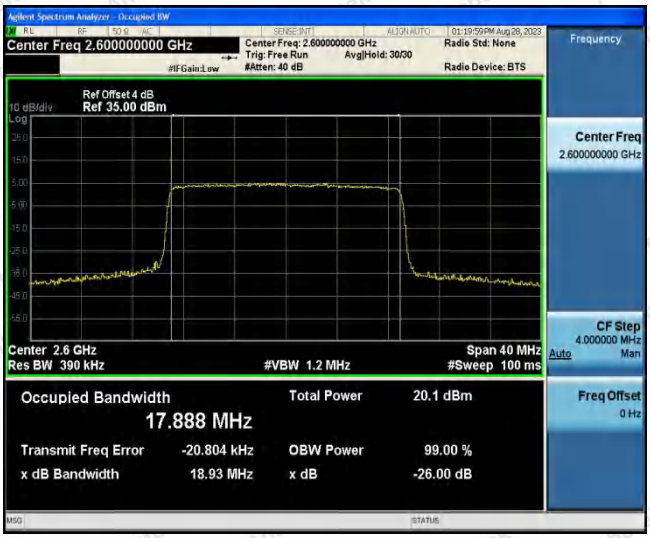


Band41-20MHz-QPSK-41140-100RB#0



Band41-20MHz-16QAM-40340-100RB#0

Band41-20MHz-16QAM-40690-100RB#0



Band41-20MHz-16QAM-41140-100RB#0

Agilent Spectrum Analyzer - Occupied BW
Center Freq 2.645000000 GHz
Center Freq: 2.645000000 GHz
Trig: Free Run
Avg|Hold: 30/30
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
Ref Offset 4 dB
10 dB/div
Ref 35.00 dBm
Log
Center 2.645 GHz
Res BW 390 kHz
#VBW 1.2 MHz
Span 40 MHz
#Sweep 100 ms
Occupied Bandwidth
17.902 MHz
Total Power 20.3 dBm
Transmit Freq Error -16.190 kHz
OBW Power 99.00 %
x dB Bandwidth 18.92 MHz
x dB -26.00 dB
Frequency
Center Freq
2.645000000 GHz
CF Step
4.000000 MHz
Auto Man
Freq Offset
0 Hz

Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
41(2555-2655)	5MHz	QPSK	40265	1RB#0	-40.42	PASS
41(2555-2655)	5MHz	16QAM	40265	1RB#0	-27.15	PASS
41(2555-2655)	5MHz	QPSK	40265	1RB#24	-58.28	PASS
41(2555-2655)	5MHz	16QAM	40265	1RB#24	-59.04	PASS
41(2555-2655)	5MHz	QPSK	40265	25RB#0	-37.59	PASS
41(2555-2655)	5MHz	16QAM	40265	25RB#0	-35.34	PASS
41(2555-2655)	5MHz	QPSK	41215	1RB#0	-37.23	PASS
41(2555-2655)	5MHz	16QAM	41215	1RB#0	-54.52	PASS
41(2555-2655)	5MHz	QPSK	41215	1RB#24	-18.88	PASS
41(2555-2655)	5MHz	16QAM	41215	1RB#24	-21.25	PASS
41(2555-2655)	5MHz	QPSK	41215	25RB#0	-37.33	PASS
41(2555-2655)	5MHz	16QAM	41215	25RB#0	-36.09	PASS
41(2555-2655)	10MHz	QPSK	40290	1RB#0	-39.55	PASS
41(2555-2655)	10MHz	16QAM	40290	1RB#0	-39.74	PASS
41(2555-2655)	10MHz	QPSK	40290	1RB#49	-37.25	PASS
41(2555-2655)	10MHz	QPSK	40290	50RB#0	-37.46	PASS
41(2555-2655)	10MHz	QPSK	41190	1RB#0	-39.66	PASS
41(2555-2655)	10MHz	16QAM	41190	1RB#0	-52.01	PASS
41(2555-2655)	10MHz	QPSK	41190	1RB#49	-25.45	PASS
41(2555-2655)	10MHz	16QAM	40290	50RB#0	-36.83	PASS
41(2555-2655)	10MHz	16QAM	40290	1RB#49	-38.98	PASS
41(2555-2655)	10MHz	16QAM	41190	1RB#49	-27.65	PASS
41(2555-2655)	10MHz	QPSK	41190	50RB#0	-50.76	PASS
41(2555-2655)	10MHz	16QAM	41190	50RB#0	-50.61	PASS
41(2555-2655)	15MHz	QPSK	40315	1RB#0	-38.49	PASS
41(2555-2655)	15MHz	16QAM	40315	1RB#0	-38.85	PASS
41(2555-2655)	15MHz	QPSK	40315	1RB#74	-36.01	PASS
41(2555-2655)	15MHz	16QAM	40315	1RB#74	-38.10	PASS
41(2555-2655)	15MHz	QPSK	40315	75RB#0	-36.63	PASS
41(2555-2655)	15MHz	QPSK	41165	1RB#0	-50.44	PASS
41(2555-2655)	15MHz	16QAM	41165	1RB#0	-50.53	PASS
41(2555-2655)	15MHz	QPSK	41165	1RB#74	-26.33	PASS
41(2555-2655)	15MHz	QPSK	41165	75RB#0	-48.33	PASS
41(2555-2655)	15MHz	16QAM	41165	75RB#0	-48.21	PASS
41(2555-2655)	20MHz	QPSK	40340	1RB#0	-38.34	PASS
41(2555-2655)	15MHz	16QAM	40315	75RB#0	-35.65	PASS

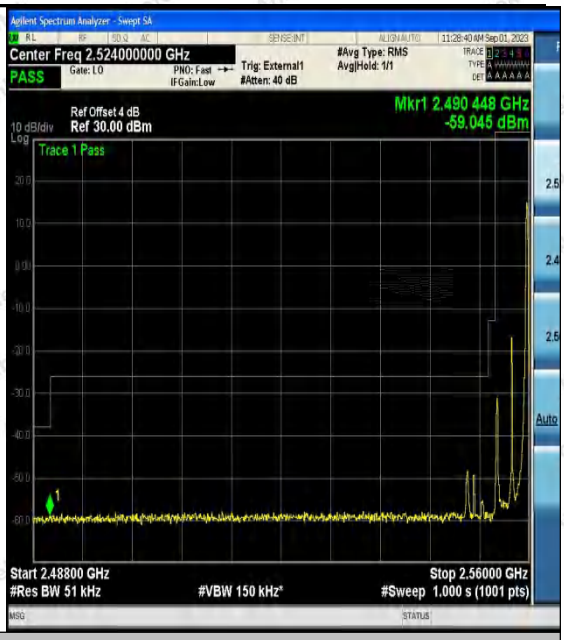
41(2555-2655)	15MHz	16QAM	41165	1RB#74	-28.00	PASS
41(2555-2655)	20MHz	16QAM	40340	1RB#0	-38.34	PASS
41(2555-2655)	20MHz	QPSK	40340	1RB#99	-38.71	PASS
41(2555-2655)	20MHz	16QAM	40340	1RB#99	-39.16	PASS
41(2555-2655)	20MHz	16QAM	40340	100RB#0	-36.35	PASS
41(2555-2655)	20MHz	QPSK	41140	1RB#0	-36.76	PASS
41(2555-2655)	20MHz	16QAM	41140	1RB#0	-49.45	PASS
41(2555-2655)	20MHz	QPSK	40340	100RB#0	-36.58	PASS
41(2555-2655)	20MHz	QPSK	41140	1RB#99	-28.20	PASS
41(2555-2655)	20MHz	16QAM	41140	1RB#99	-28.73	PASS
41(2555-2655)	20MHz	QPSK	41140	100RB#0	-48.42	PASS
41(2555-2655)	20MHz	16QAM	41140	100RB#0	-48.09	PASS

Test Graphs

Band41_5MHz_QPSK_40265_1RB#0

Band41_5MHz_16QAM_40265_1RB#0

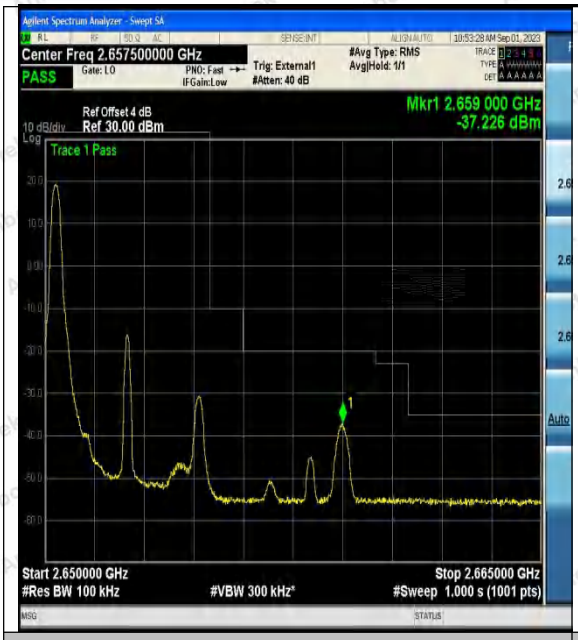
Band41_5MHz_QPSK_40265_1RB#24



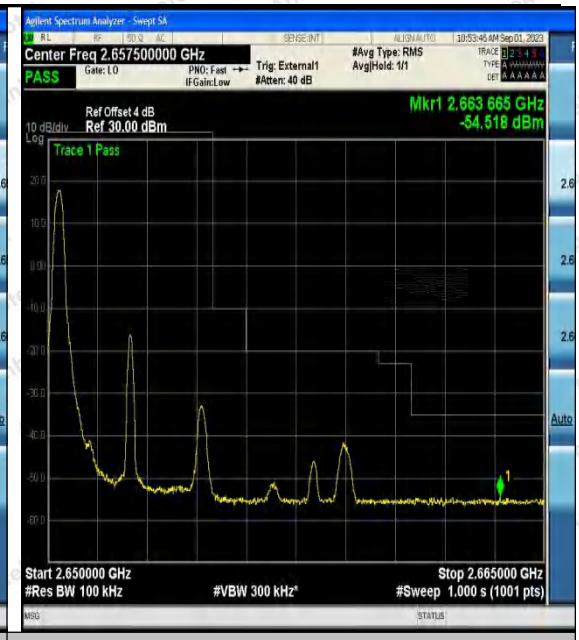
Band41_5MHz_16QAM_40265_1RB#24

Band41_5MHz_QPSK_40265_25RB#0

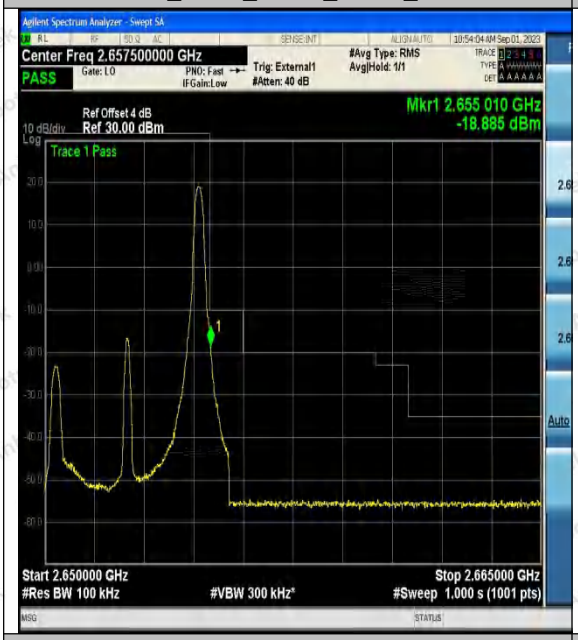
Band41_5MHz_16QAM_40265_25RB#0



Band41_5MHz_QPSK_41215_1RB#0



Band41_5MHz_16QAM_41215_1RB#0

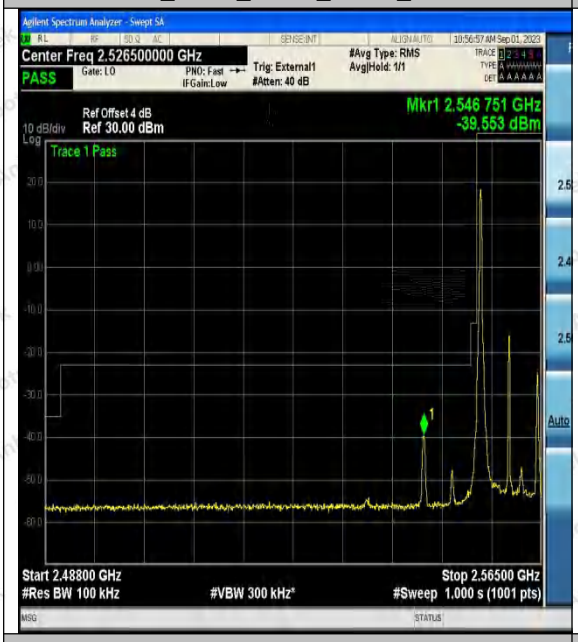


Band41_5MHz_QPSK_41215_1RB#24

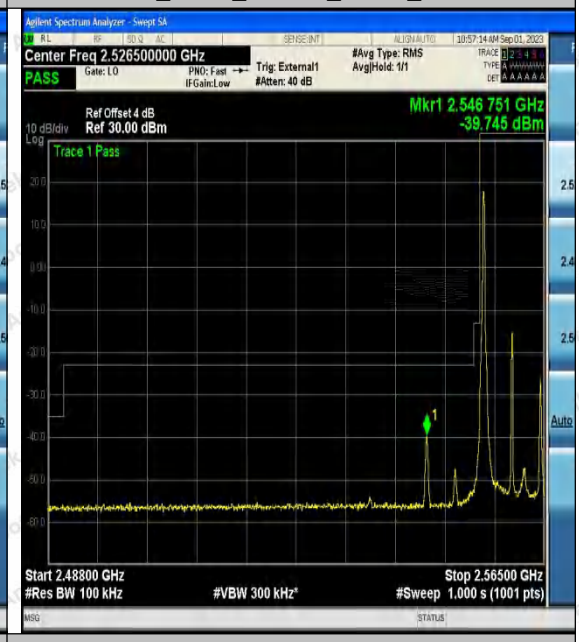
Band41_5MHz_16QAM_41215_1RB#24

Band41_5MHz_QPSK_41215_25RB#0

Band41_5MHz_16QAM_41215_25RB#0



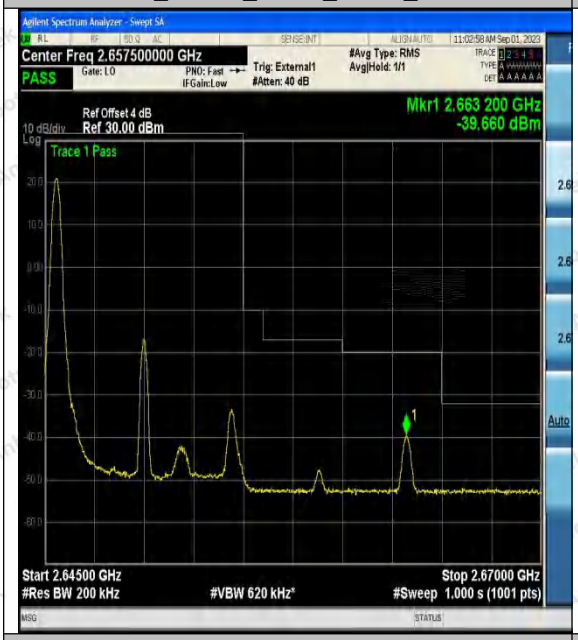
Band41_10MHz_QPSK_40290_1RB#0



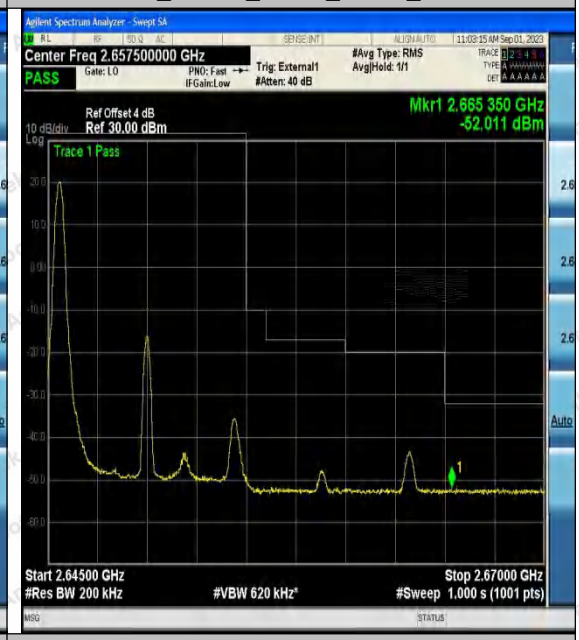
Band41_10MHz_16QAM_40290_1RB#0

Band41_10MHz_QPSK_40290_1RB#49

Band41_10MHz_QPSK_40290_50RB#0



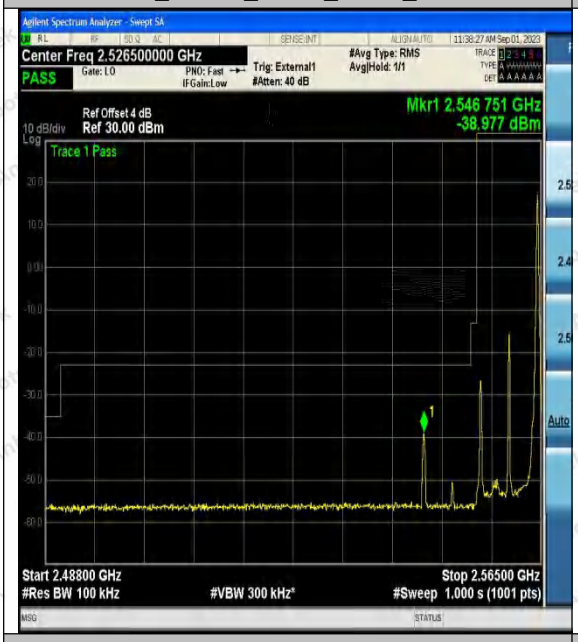
Band41_10MHz_QPSK_41190_1RB#0



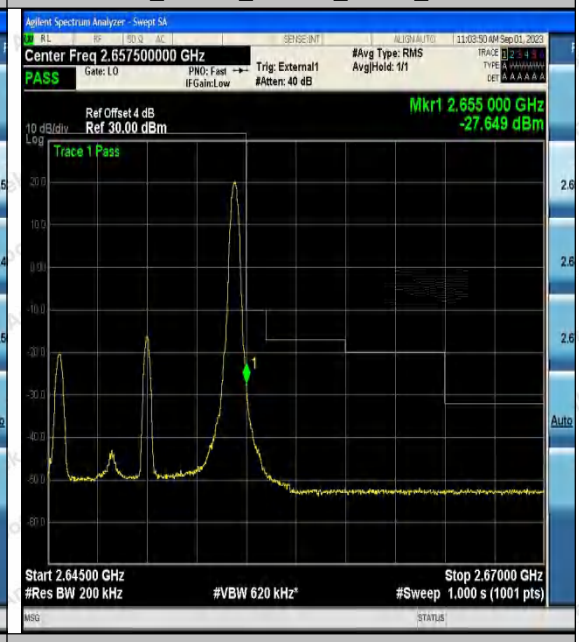
Band41_10MHz_16QAM_41190_1RB#0

Band41_10MHz_QPSK_41190_1RB#49

Band41_10MHz_16QAM_40290_50RB#0



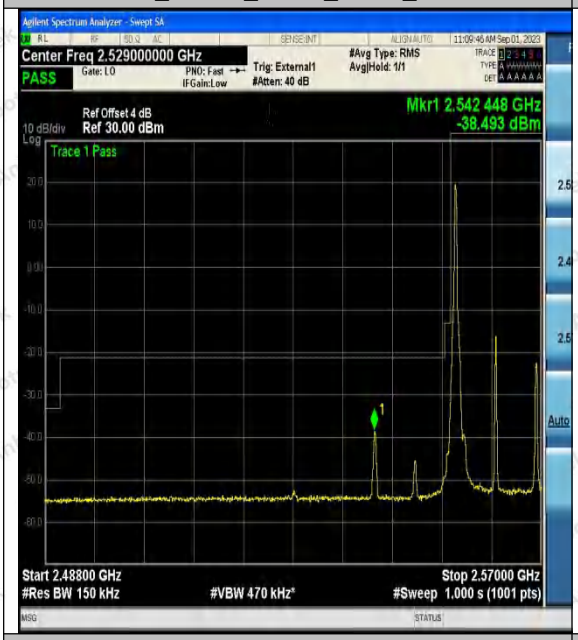
Band41_10MHz_16QAM_40290_1RB#49



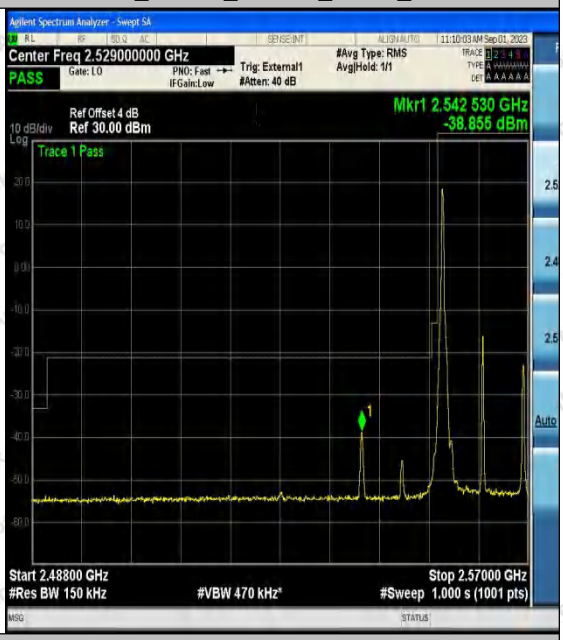
Band41_10MHz_16QAM_41190_1RB#49

Band41_10MHz_QPSK_41190_50RB#0

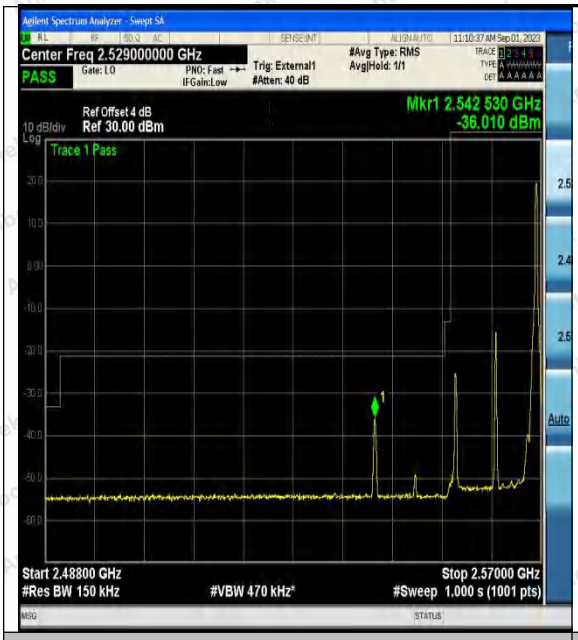
Band41_10MHz_16QAM_41190_50RB#0



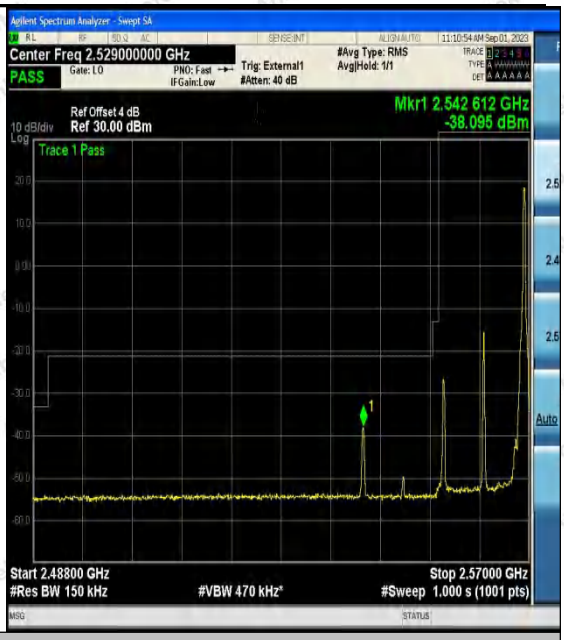
Band41_15MHz_QPSK_40315_1RB#0



Band41_15MHz_16QAM_40315_1RB#0

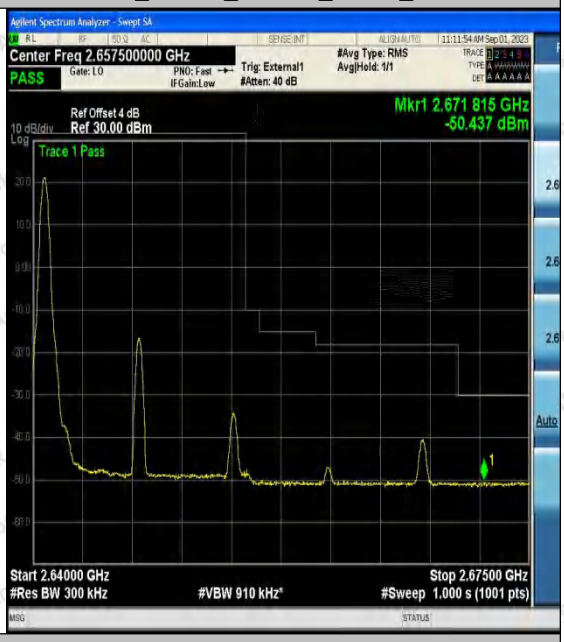


Band41_15MHz_QPSK_40315_1RB#74



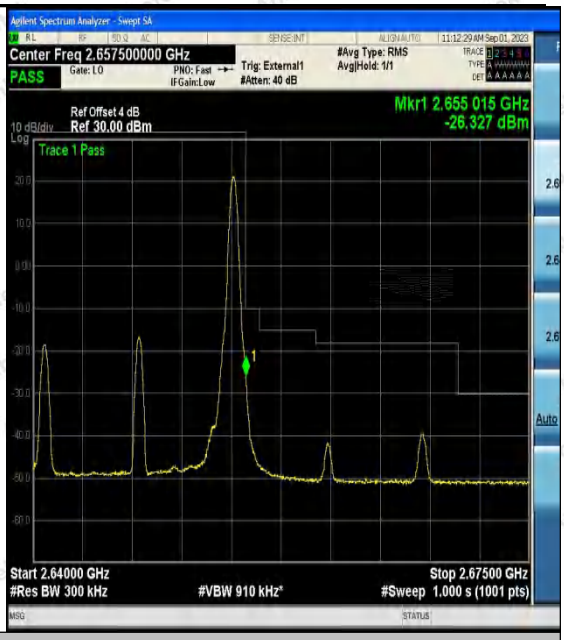
Band41_15MHz_16QAM_40315_1RB#74

Band41_15MHz_QPSK_40315_75RB#0



Band41_15MHz_QPSK_41165_1RB#0

Band41_15MHz_16QAM_41165_1RB#0



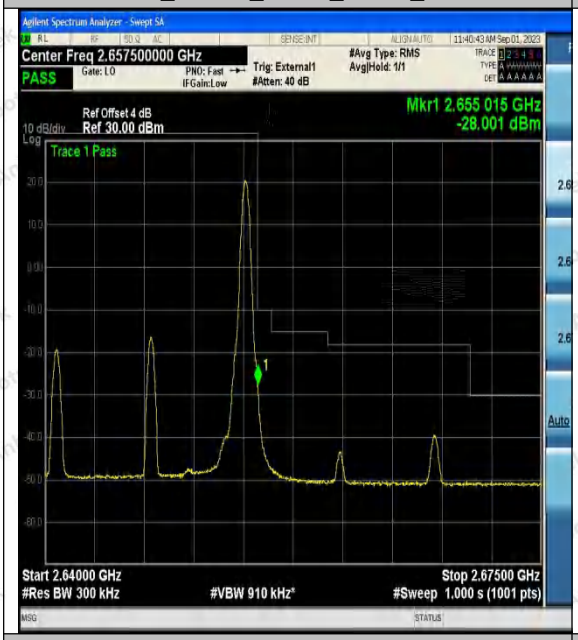
Band41_15MHz_QPSK_41165_1RB#74

Band41_15MHz_QPSK_41165_75RB#0

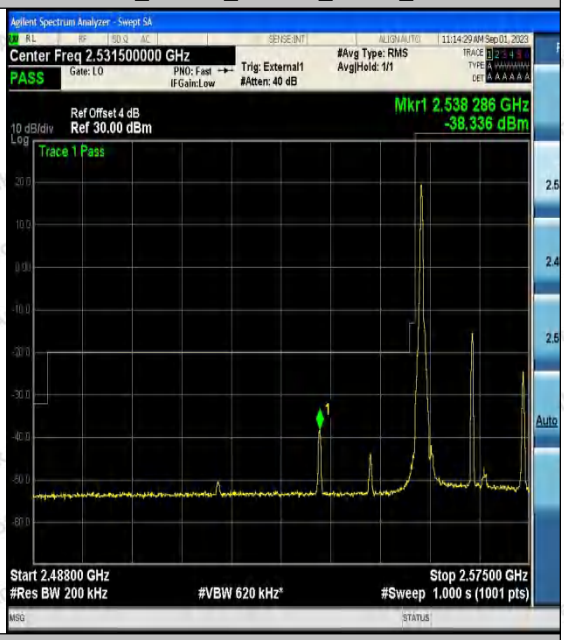
Band41_15MHz_16QAM_41165_75RB#0

Band41_20MHz_QPSK_40340_1RB#0

Band41_15MHz_16QAM_40315_75RB#0

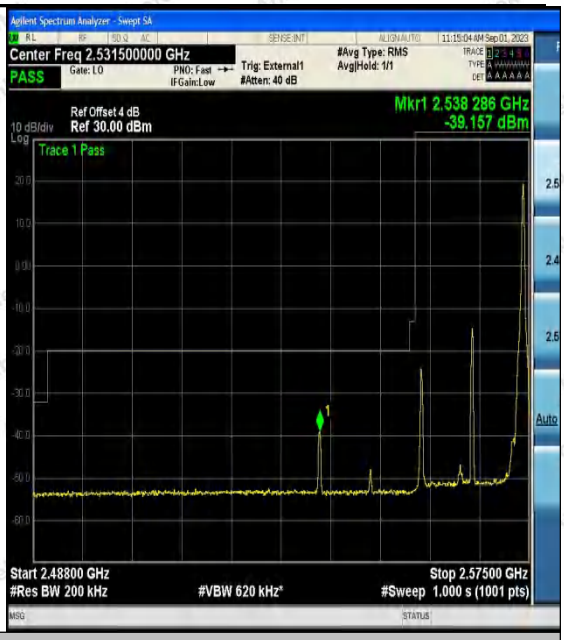


Band41_15MHz_16QAM_41165_1RB#74



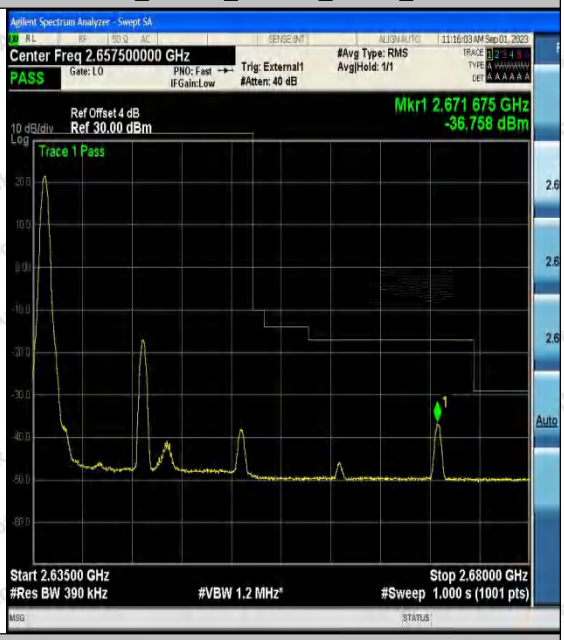
Band41_20MHz_16QAM_40340_1RB#0

Band41_20MHz_QPSK_40340_1RB#99



Band41_20MHz_16QAM_40340_1RB#99

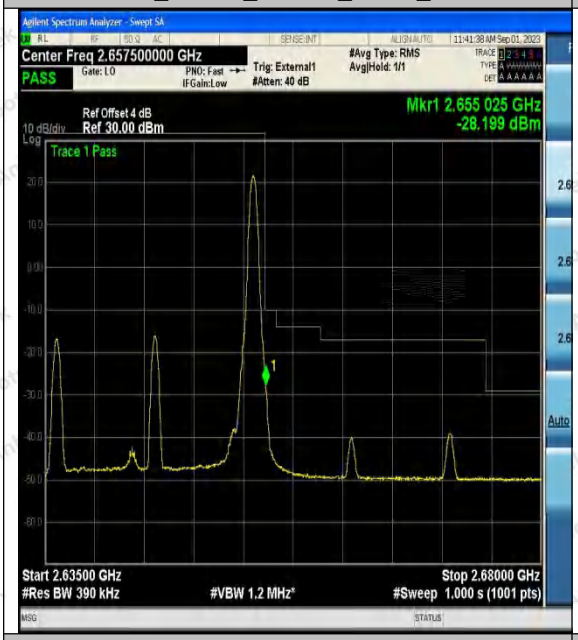
Band41_20MHz_16QAM_40340_100RB#0



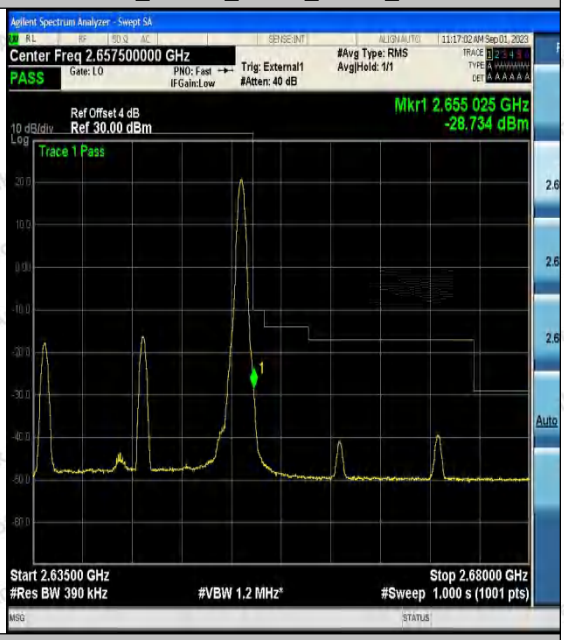
Band41_20MHz_QPSK_41140_1RB#0

Band41_20MHz_16QAM_41140_1RB#0

Band41_20MHz_QPSK_40340_100RB#0



Band41_20MHz_QPSK_41140_1RB#99



Band41_20MHz_16QAM_41140_1RB#99

Band41_20MHz_QPSK_41140_100RB#0

Band41_20MHz_16QAM_41140_100RB#0

Appendix E: Conducted Spurious Emission

Test Result

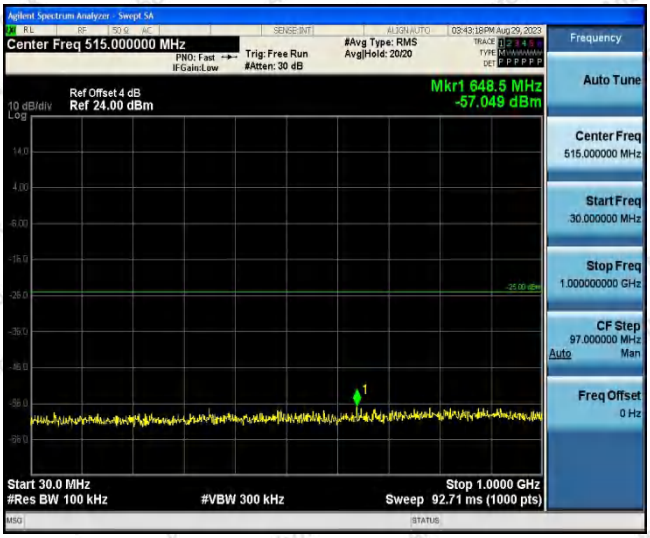
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band41	5MHz	QPSK	40265	1RB#0	Range1:30~1000MHz	-57.05	PASS
Band41	5MHz	QPSK	40265	1RB#0	Range2:1000~27000MHz	-32.85	PASS
Band41	5MHz	QPSK	40690	1RB#0	Range1:30~1000MHz	-54.87	PASS
Band41	5MHz	QPSK	40690	1RB#0	Range2:1000~27000MHz	-33.26	PASS
Band41	5MHz	QPSK	41215	1RB#0	Range1:30~1000MHz	-53.02	PASS
Band41	5MHz	QPSK	41215	1RB#0	Range2:1000~27000MHz	-32.71	PASS
Band41	5MHz	16QAM	40265	1RB#0	Range1:30~1000MHz	-56.87	PASS
Band41	5MHz	16QAM	40265	1RB#0	Range2:1000~27000MHz	-33.32	PASS
Band41	5MHz	16QAM	40690	1RB#0	Range1:30~1000MHz	-54.9	PASS
Band41	5MHz	16QAM	40690	1RB#0	Range2:1000~27000MHz	-33.58	PASS
Band41	5MHz	16QAM	41215	1RB#0	Range1:30~1000MHz	-56.64	PASS
Band41	5MHz	16QAM	41215	1RB#0	Range2:1000~27000MHz	-32.28	PASS
Band41	10MHz	QPSK	40290	1RB#0	Range1:30~1000MHz	-56.64	PASS
Band41	10MHz	QPSK	40290	1RB#0	Range2:1000~27000MHz	-33.04	PASS
Band41	10MHz	QPSK	40690	1RB#0	Range1:30~1000MHz	-56.05	PASS
Band41	10MHz	QPSK	40690	1RB#0	Range2:1000~27000MHz	-32.77	PASS
Band41	10MHz	QPSK	41190	1RB#0	Range1:30~1000MHz	-54.99	PASS
Band41	10MHz	QPSK	41190	1RB#0	Range2:1000~27000MHz	-33.16	PASS

Band41	10MHz	16QAM	40290	1RB#0	Range1:30~1000MHz	-56.69	PASS
Band41	10MHz	16QAM	40290	1RB#0	Range2:1000~27000MHz	-33	PASS
Band41	10MHz	16QAM	40690	1RB#0	Range1:30~1000MHz	-56.82	PASS
Band41	10MHz	16QAM	40690	1RB#0	Range2:1000~27000MHz	-32.46	PASS
Band41	10MHz	16QAM	41190	1RB#0	Range1:30~1000MHz	-56.28	PASS
Band41	10MHz	16QAM	41190	1RB#0	Range2:1000~27000MHz	-33.29	PASS
Band41	15MHz	QPSK	40315	1RB#0	Range1:30~1000MHz	-56.52	PASS
Band41	15MHz	QPSK	40315	1RB#0	Range2:1000~27000MHz	-32.92	PASS
Band41	15MHz	QPSK	40690	1RB#0	Range1:30~1000MHz	-54.32	PASS
Band41	15MHz	QPSK	40690	1RB#0	Range2:1000~27000MHz	-32.51	PASS
Band41	15MHz	QPSK	41165	1RB#0	Range1:30~1000MHz	-53.95	PASS
Band41	15MHz	QPSK	41165	1RB#0	Range2:1000~27000MHz	-31.06	PASS
Band41	15MHz	16QAM	40315	1RB#0	Range1:30~1000MHz	-56.41	PASS
Band41	15MHz	16QAM	40315	1RB#0	Range2:1000~27000MHz	-33.23	PASS
Band41	15MHz	16QAM	40690	1RB#0	Range1:30~1000MHz	-53.74	PASS
Band41	15MHz	16QAM	40690	1RB#0	Range2:1000~27000MHz	-32.65	PASS
Band41	15MHz	16QAM	41165	1RB#0	Range1:30~1000MHz	-56.43	PASS
Band41	15MHz	16QAM	41165	1RB#0	Range2:1000~27000MHz	-29.47	PASS
Band41	20MHz	QPSK	40340	1RB#0	Range1:30~1000MHz	-56.65	PASS
Band41	20MHz	QPSK	40340	1RB#0	Range2:1000~27000MHz	-32.74	PASS
Band41	20MHz	QPSK	40690	1RB#0	Range1:30~1000MHz	-56.71	PASS
Band41	20MHz	QPSK	40690	1RB#0	Range2:1000~	-33.6	PASS

					27000MHz	6	
Band41	20MHz	QPSK	41140	1RB#0	Range1:30~1000MHz	-57.17	PASS
Band41	20MHz	QPSK	41140	1RB#0	Range2:1000~27000MHz	-32.93	PASS
Band41	20MHz	16QAM	40340	1RB#0	Range1:30~1000MHz	-57.24	PASS
Band41	20MHz	16QAM	40340	1RB#0	Range2:1000~27000MHz	-32	PASS
Band41	20MHz	16QAM	40690	1RB#0	Range1:30~1000MHz	-53.08	PASS
Band41	20MHz	16QAM	40690	1RB#0	Range2:1000~27000MHz	-31.5	PASS
Band41	20MHz	16QAM	41140	1RB#0	Range1:30~1000MHz	-54.06	PASS
Band41	20MHz	16QAM	41140	1RB#0	Range2:1000~27000MHz	-30.01	PASS

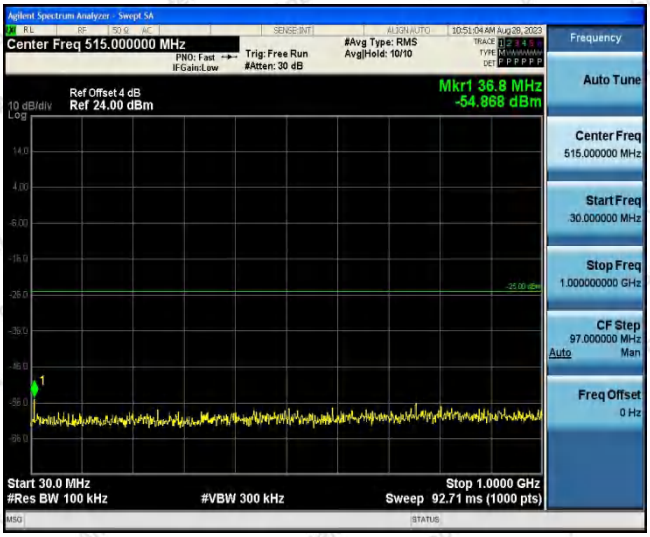
Test Graphs

Band41-5MHz-QPSK-40265-1RB#0-Range1:30~1000MHz



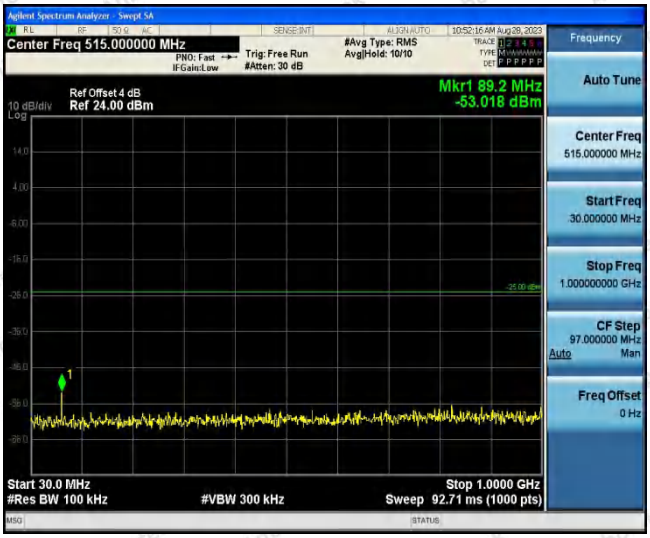
Band41-5MHz-QPSK-40265-1RB#0-Range2:1000~27000MHz

Band41-5MHz-QPSK-40690-1RB#0-Range1:30~1000MHz



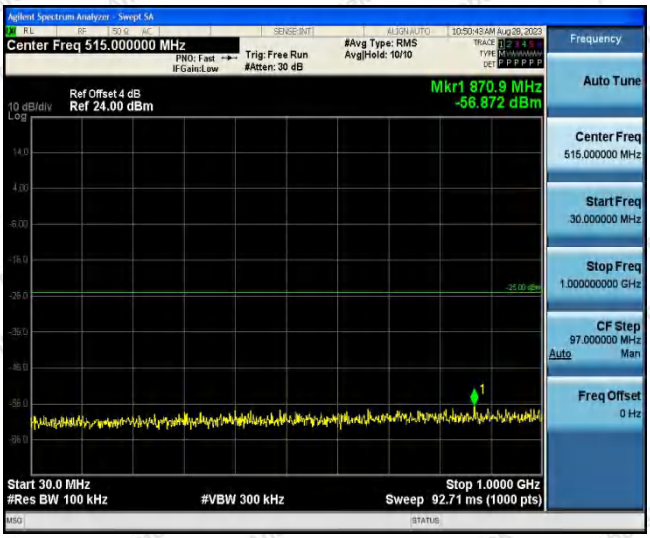
Band41-5MHz-QPSK-40690-1RB#0-Range2:1000~27000MHz

Band41-5MHz-QPSK-41215-1RB#0-Range1:30~1000MHz

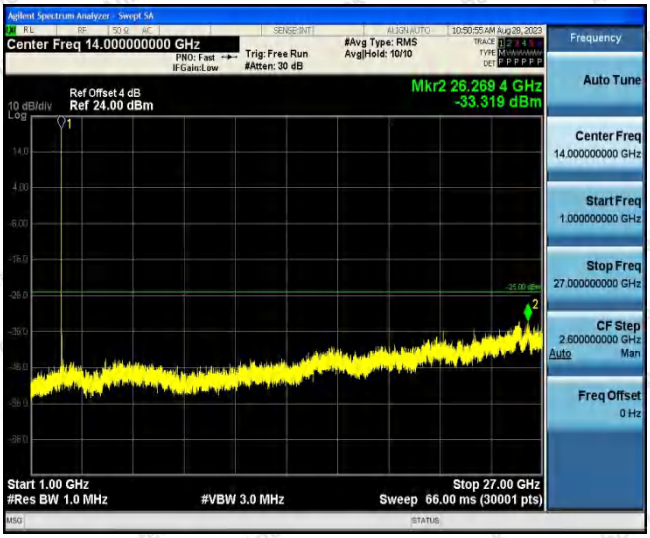


Band41-5MHz-QPSK-41215-1RB#0-Range2:1000~27000MHz

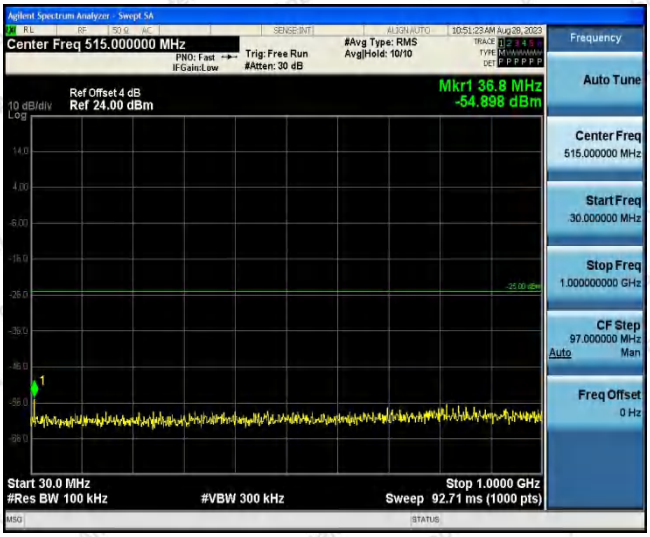
Band41-5MHz-16QAM-40265-1RB#0-Range1:30~1000MHz



Band41-5MHz-16QAM-40265-1RB#0-Range2:1000~27000MHz

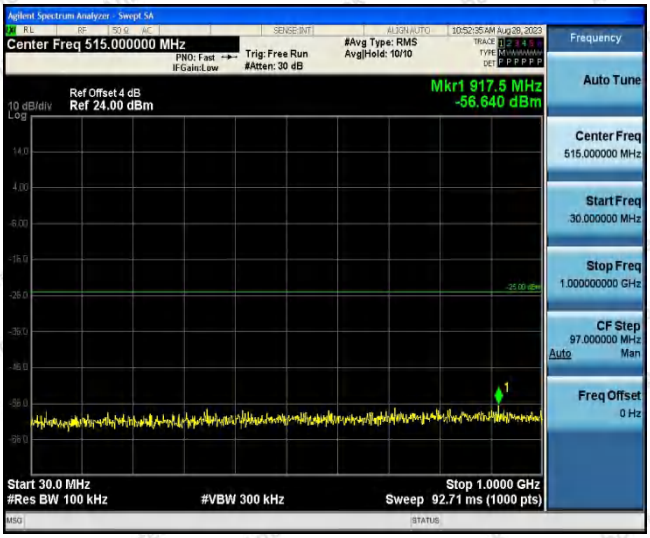


Band41-5MHz-16QAM-40690-1RB#0-Range1:30~1000MHz



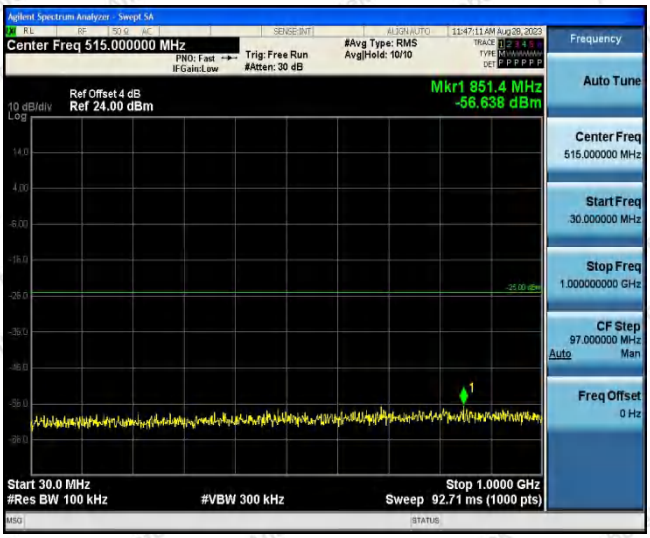
Band41-5MHz-16QAM-40690-1RB#0-Range2:1000~27000MHz

Band41-5MHz-16QAM-41215-1RB#0-Range1:30~1000MHz



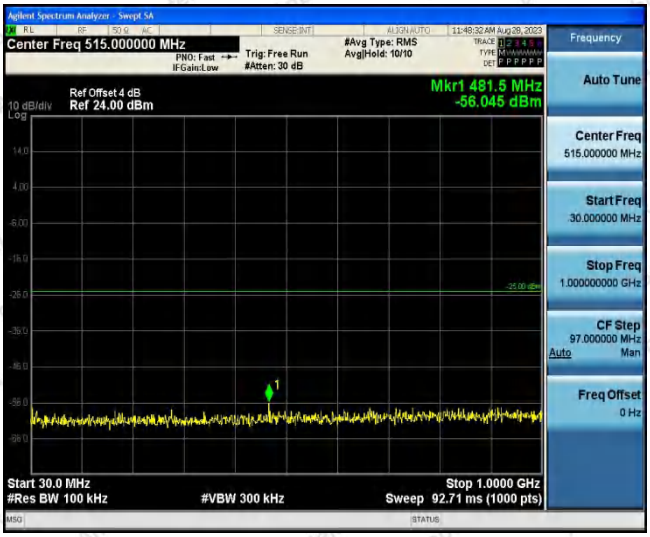
Band41-5MHz-16QAM-41215-1RB#0-Range2:1000~27000MHz

Band41-10MHz-QPSK-40290-1RB#0-Range1:30~1000MHz



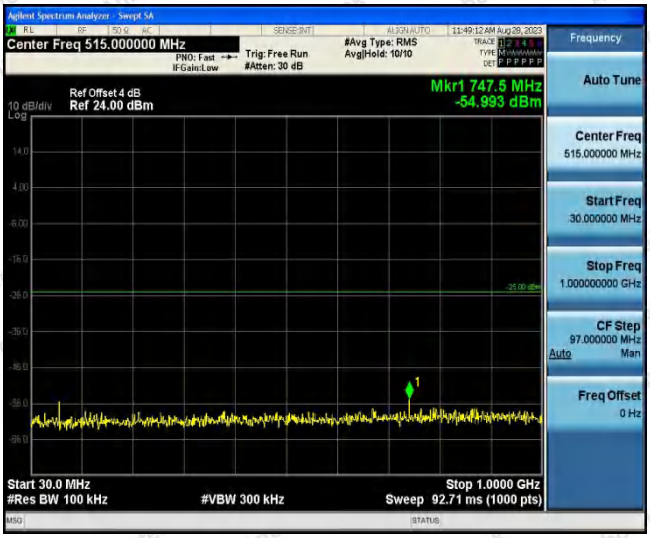
Band41-10MHz-QPSK-40290-1RB#0-Range2:1000~27000MHz

Band41-10MHz-QPSK-40690-1RB#0-Range1:30~1000MHz



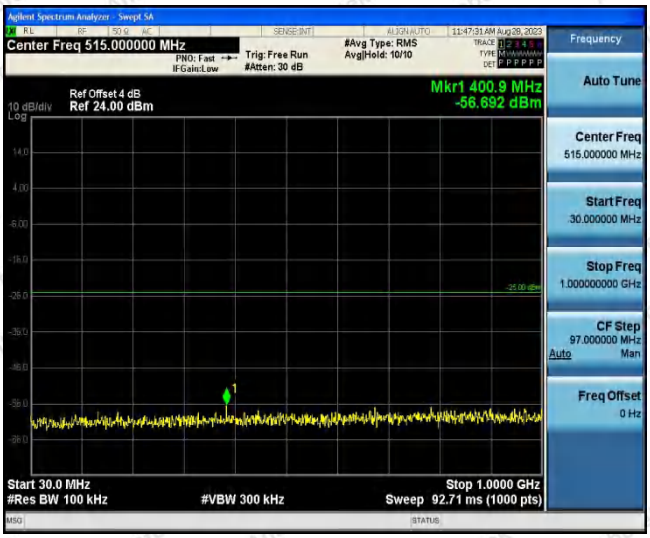
Band41-10MHz-QPSK-40690-1RB#0-Range2:1000~27000MHz

Band41-10MHz-QPSK-41190-1RB#0-Range1:30~1000MHz



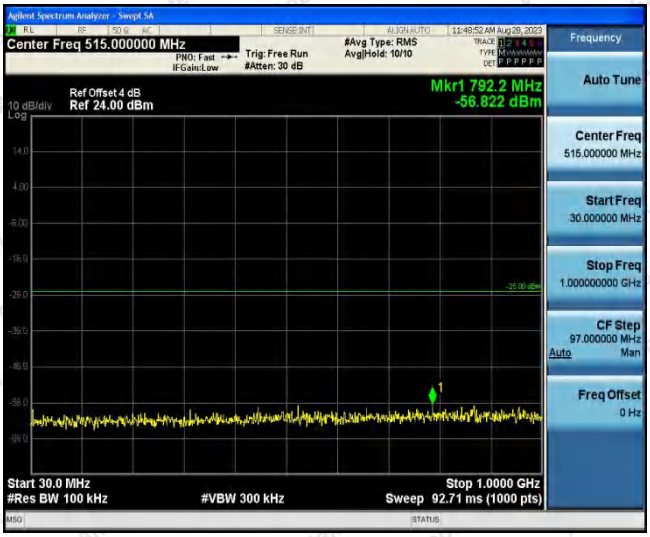
Band41-10MHz-QPSK-41190-1RB#0-Range2:1000~27000MHz

Band41-10MHz-16QAM-40290-1RB#0-Range1:30~1000MHz



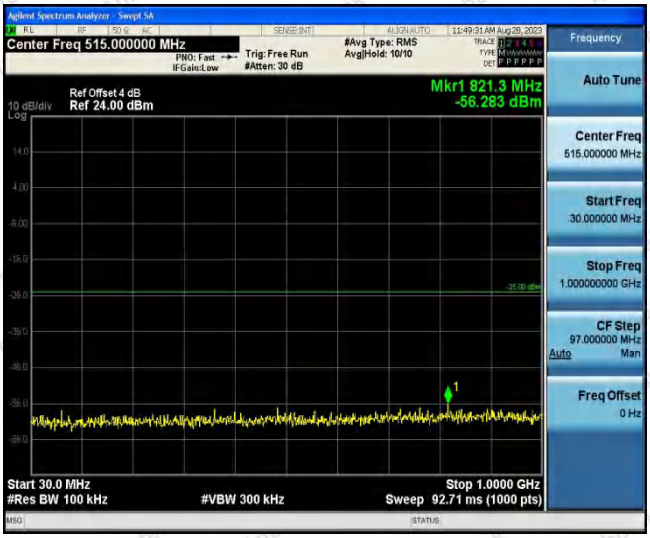
Band41-10MHz-16QAM-40290-1RB#0-Range2:1000~27000MHz

Band41-10MHz-16QAM-40690-1RB#0-Range1:30~1000MHz



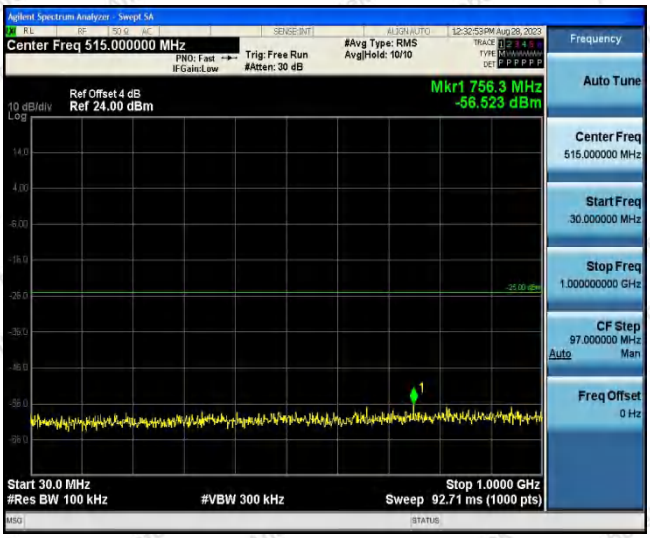
Band41-10MHz-16QAM-40690-1RB#0-Range2:1000~27000MHz

Band41-10MHz-16QAM-41190-1RB#0-Range1:30~1000MHz



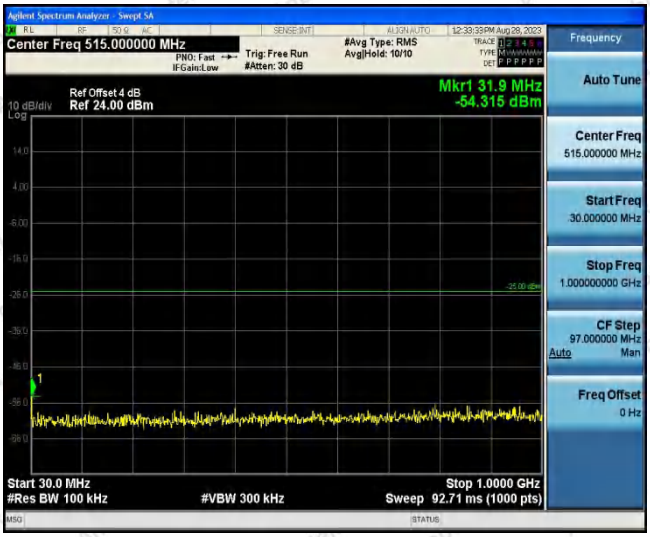
Band41-10MHz-16QAM-41190-1RB#0-Range2:1000~27000MHz

Band41-15MHz-QPSK-40315-1RB#0-Range1:30~1000MHz

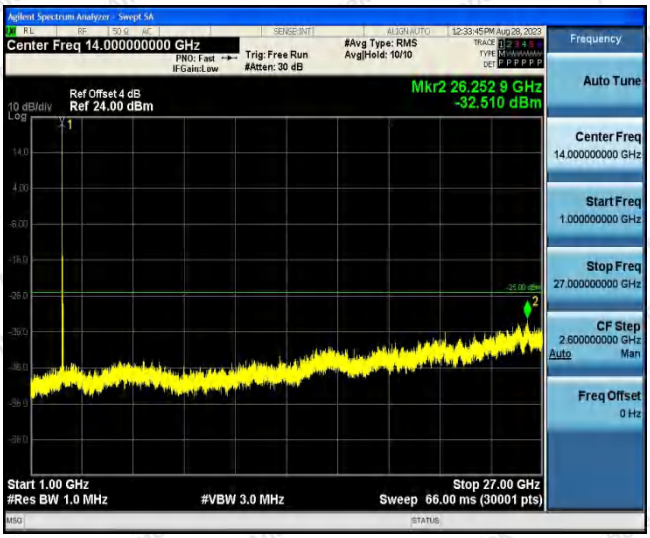


Band41-15MHz-QPSK-40315-1RB#0-Range2:1000~27000MHz

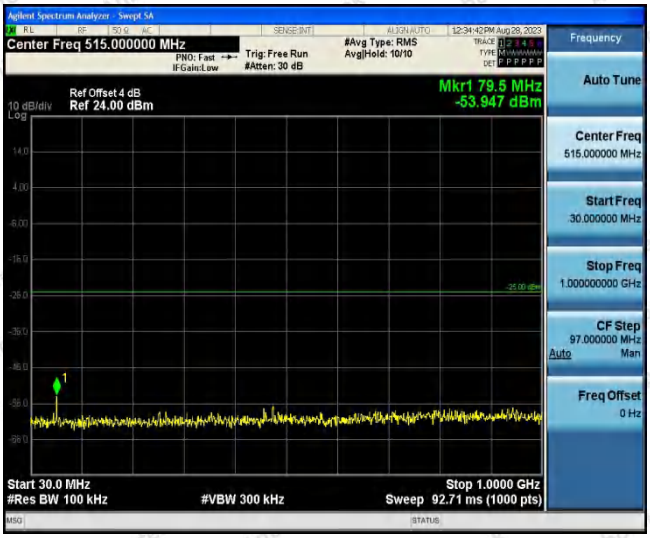
Band41-15MHz-QPSK-40690-1RB#0-Range1:30~1000MHz



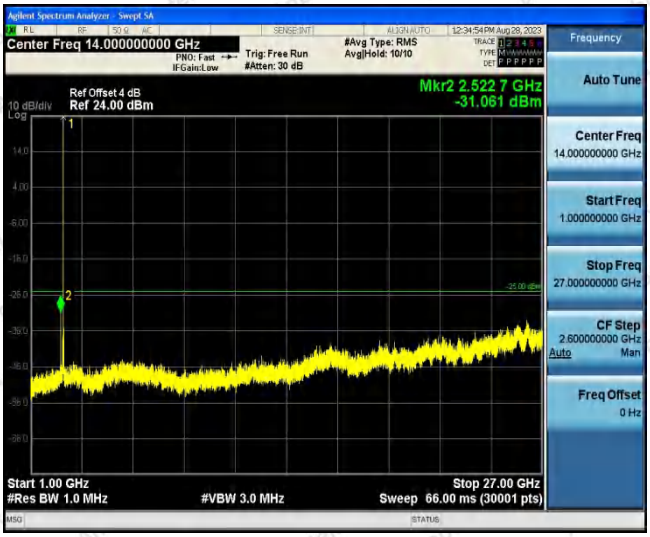
Band41-15MHz-QPSK-40690-1RB#0-Range2:1000~27000MHz



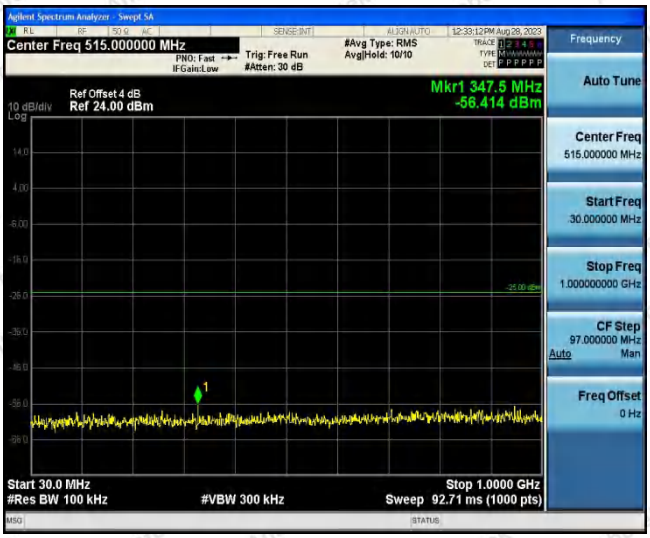
Band41-15MHz-QPSK-41165-1RB#0-Range1:30~1000MHz



Band41-15MHz-QPSK-41165-1RB#0-Range2:1000~27000MHz

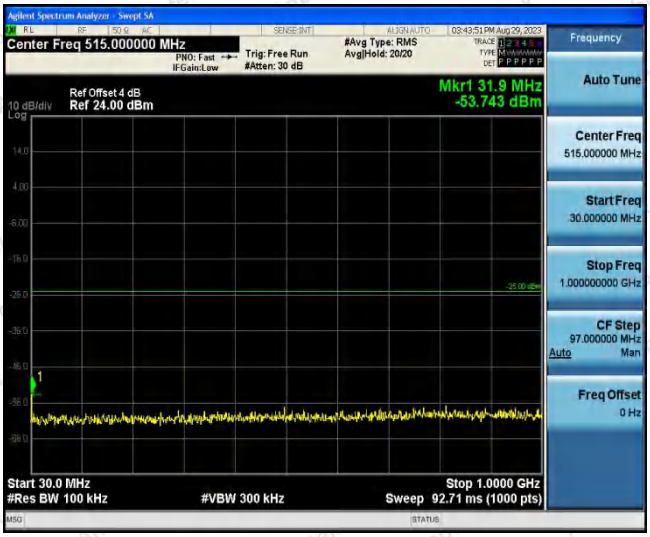


Band41-15MHz-16QAM-40315-1RB#0-Range1:30~1000MHz

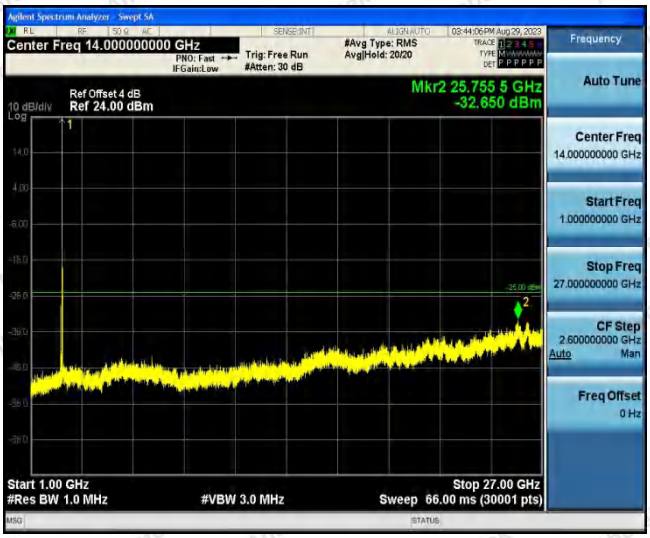


Band41-15MHz-16QAM-40315-1RB#0-Range2:1000~27000MHz

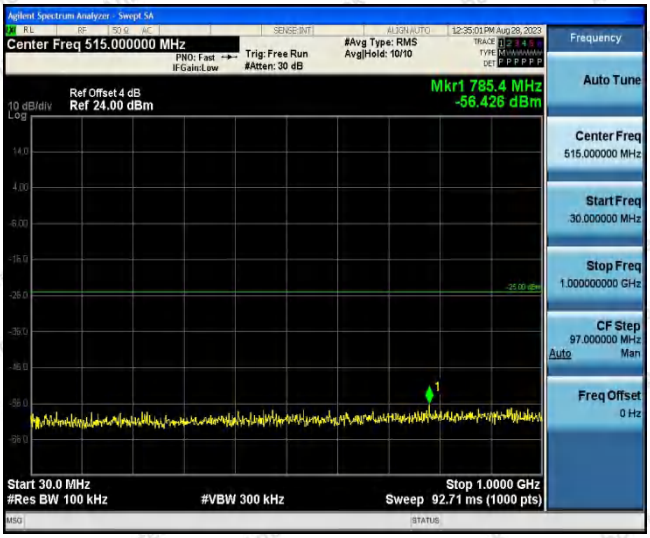
Band41-15MHz-16QAM-40690-1RB#0-Range1:30~1000MHz



Band41-15MHz-16QAM-40690-1RB#0-Range2:1000~27000MHz

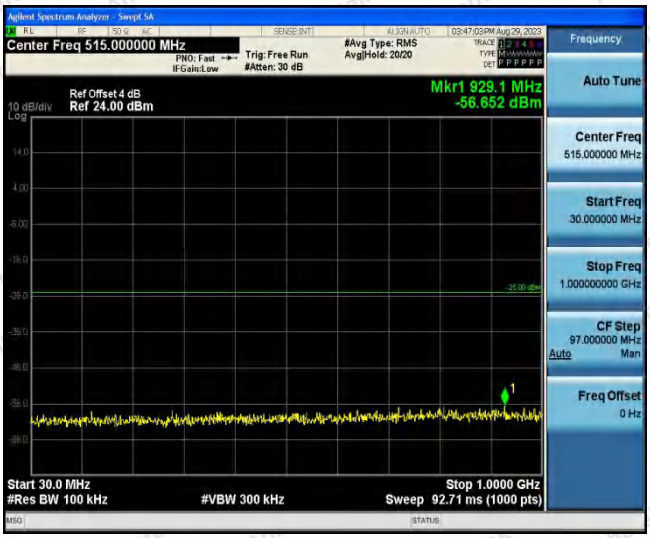


Band41-15MHz-16QAM-41165-1RB#0-Range1:30~1000MHz



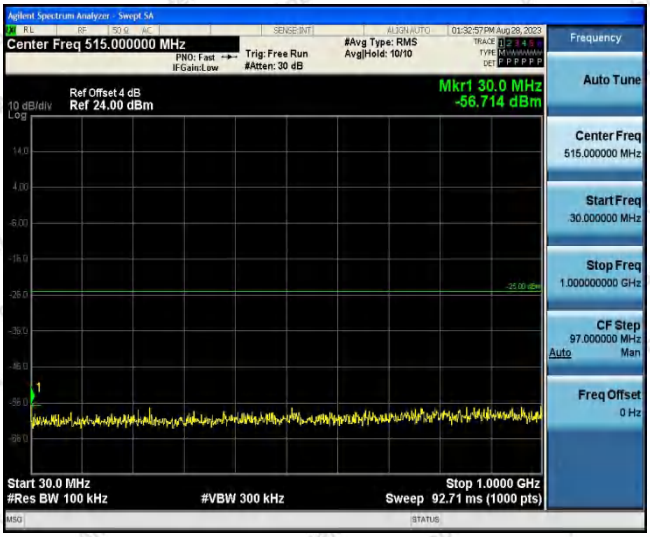
Band41-15MHz-16QAM-41165-1RB#0-Range2:1000~27000MHz

Band41-20MHz-QPSK-40340-1RB#0-Range1:30~1000MHz

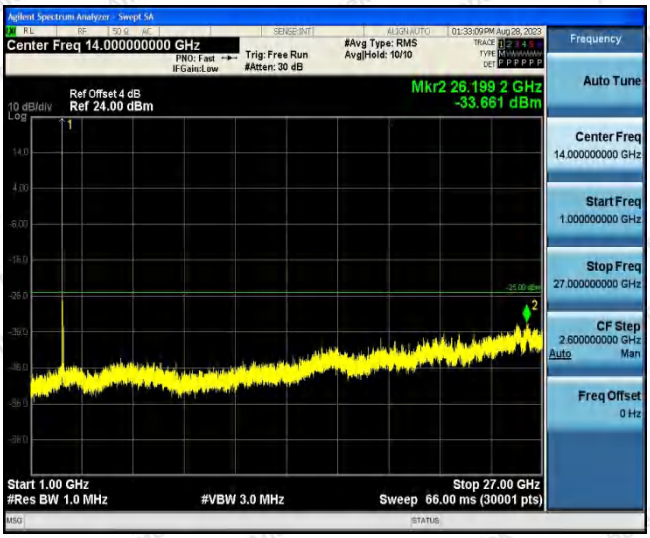


Band41-20MHz-QPSK-40340-1RB#0-Range2:1000~27000MHz

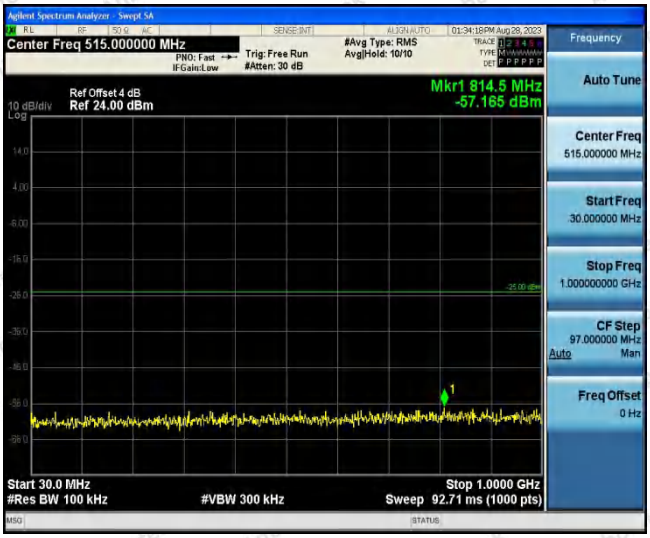
Band41-20MHz-QPSK-40690-1RB#0-Range1:30~1000MHz



Band41-20MHz-QPSK-40690-1RB#0-Range2:1000~27000MHz

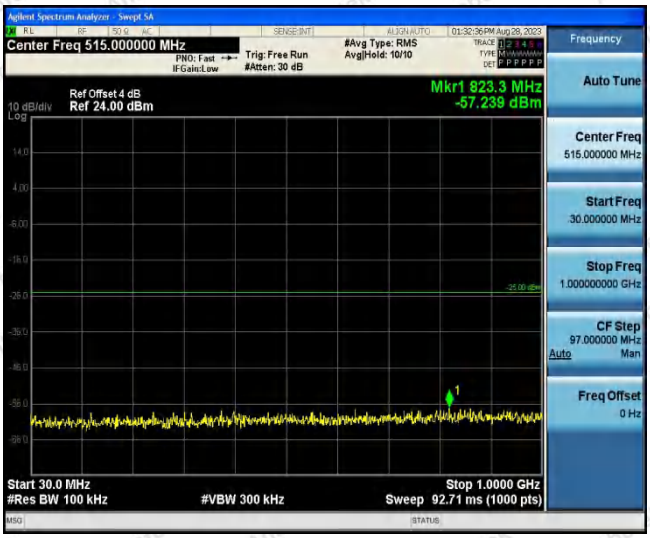


Band41-20MHz-QPSK-41140-1RB#0-Range1:30~1000MHz



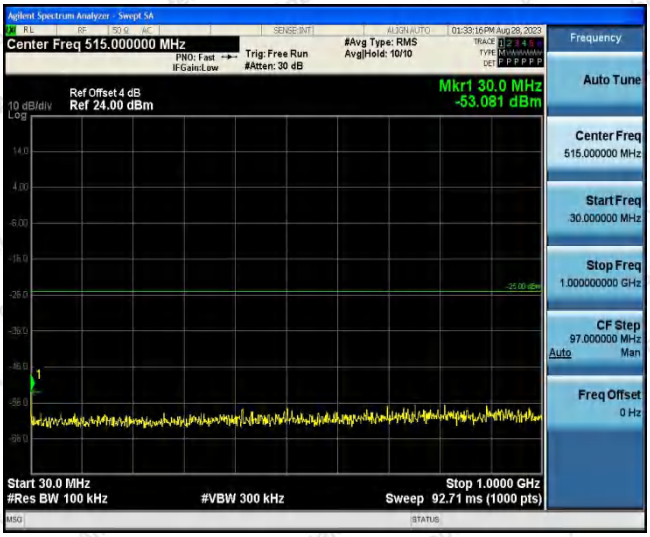
Band41-20MHz-QPSK-41140-1RB#0-Range2:1000~27000MHz

Band41-20MHz-16QAM-40340-1RB#0-Range1:30~1000MHz



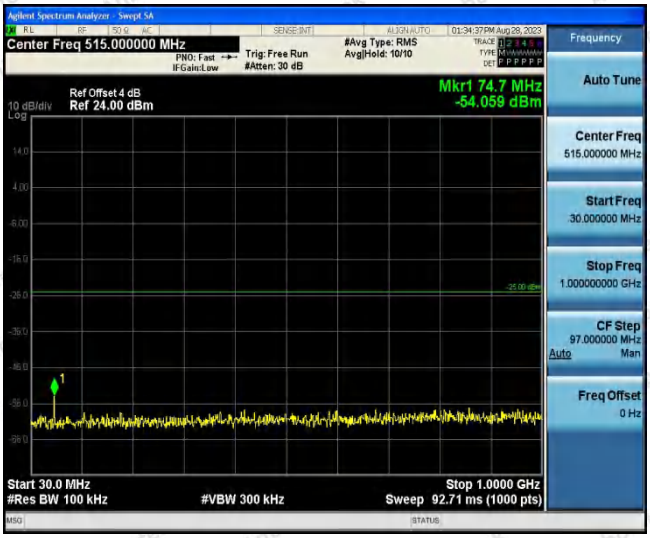
Band41-20MHz-16QAM-40340-1RB#0-Range2:1000~27000MHz

Band41-20MHz-16QAM-40690-1RB#0-Range1:30~1000MHz



Band41-20MHz-16QAM-40690-1RB#0-Range2:1000~27000MHz

Band41-20MHz-16QAM-41140-1RB#0-Range1:30~1000MHz



Band41-20MHz-16QAM-41140-1RB#0-Range2:1000~27000MHz

Appendix F: Frequency stability VS Voltage measurement

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	5MHz	QPSK	40265	25RB#0	VL	NT	-7.31	-0.002858	±2.5	PASS
Band41	5MHz	QPSK	40265	25RB#0	VN	NT	-10.63	-0.004156	±2.5	PASS
Band41	5MHz	QPSK	40265	25RB#0	VH	NT	-12.79	-0.005001	±2.5	PASS
Band41	5MHz	QPSK	40690	25RB#0	VL	NT	-5.92	-0.002277	±2.5	PASS
Band41	5MHz	QPSK	40690	25RB#0	VN	NT	-7.78	-0.002992	±2.5	PASS
Band41	5MHz	QPSK	40690	25RB#0	VH	NT	7.34	0.002823	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	VL	NT	7.85	0.002959	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	VN	NT	4.48	0.001689	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	VH	NT	5.82	0.002194	±2.5	PASS
Band41	5MHz	16QAM	40265	25RB#0	VL	NT	-6.87	-0.002686	±2.5	PASS
Band41	5MHz	16QAM	40265	25RB#0	VN	NT	-7.20	-0.002815	±2.5	PASS
Band41	5MHz	16QAM	40265	25RB#0	VH	NT	-7.74	-0.003026	±2.5	PASS
Band41	5MHz	16QAM	40690	25RB#0	VL	NT	6.72	0.002585	±2.5	PASS
Band41	5MHz	16QAM	40690	25RB#0	VN	NT	6.51	0.002504	±2.5	PASS
Band41	5MHz	16QAM	40690	25RB#0	VH	NT	-6.52	-0.002508	±2.5	PASS
Band41	5MHz	16QAM	41215	25RB#0	VL	NT	-8.24	-0.003107	±2.5	PASS
Band41	5MHz	16QAM	41215	25RB#0	VN	NT	8.64	0.003257	±2.5	PASS

Band41	5MHz	16QAM	41215	25RB#0	VH	NT	8.87	0.003344	±2.5	PASS
Band41	10MHz	QPSK	40290	50RB#0	VL	NT	-5.87	-0.002293	±2.5	PASS
Band41	10MHz	QPSK	40290	50RB#0	VN	NT	11.19	0.004371	±2.5	PASS
Band41	10MHz	QPSK	40290	50RB#0	VH	NT	7.08	0.002766	±2.5	PASS
Band41	10MHz	QPSK	40690	50RB#0	VL	NT	5.92	0.002277	±2.5	PASS
Band41	10MHz	QPSK	40690	50RB#0	VN	NT	8.90	0.003423	±2.5	PASS
Band41	10MHz	QPSK	40690	50RB#0	VH	NT	4.72	0.001815	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	VL	NT	-14.36	-0.005419	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	VN	NT	-17.57	-0.006630	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	VH	NT	-8.61	-0.003249	±2.5	PASS
Band41	10MHz	16QAM	40290	50RB#0	VL	NT	-5.21	-0.002035	±2.5	PASS
Band41	10MHz	16QAM	40290	50RB#0	VN	NT	5.14	0.002008	±2.5	PASS
Band41	10MHz	16QAM	40290	50RB#0	VH	NT	9.47	0.003699	±2.5	PASS
Band41	10MHz	16QAM	40690	50RB#0	VL	NT	8.47	0.003258	±2.5	PASS
Band41	10MHz	16QAM	40690	50RB#0	VN	NT	7.44	0.002862	±2.5	PASS
Band41	10MHz	16QAM	40690	50RB#0	VH	NT	-71.57	-0.027527	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	VL	NT	9.57	0.003611	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	VN	NT	7.28	0.002747	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	VH	NT	10.70	0.004038	±2.5	PASS
Band41	15MHz	QPSK	40315	75RB#0	VL	NT	7.02	0.002740	±2.5	PASS
Band41	15MHz	QPSK	40315	75RB#0	VN	NT	11.69	0.004562	±2.5	PASS
Band4	15MHz	QPSK	40315	75RB#0	VH	NT	10.83	0.004226	±2.5	PASS

1										
Band4 1	15MHz	QPSK	40690	75RB#0	VL	NT	-4.59	-0.001765	±2.5	PASS
Band4 1	15MHz	QPSK	40690	75RB#0	VN	NT	7.52	0.002892	±2.5	PASS
Band4 1	15MHz	QPSK	40690	75RB#0	VH	NT	6.87	0.002642	±2.5	PASS
Band4 1	15MHz	QPSK	41165	75RB#0	VL	NT	-13.03	-0.004922	±2.5	PASS
Band4 1	15MHz	QPSK	41165	75RB#0	VN	NT	-7.75	-0.002927	±2.5	PASS
Band4 1	15MHz	QPSK	41165	75RB#0	VH	NT	-9.31	-0.003517	±2.5	PASS
Band4 1	15MHz	16QAM	40315	75RB#0	VL	NT	7.15	0.002790	±2.5	PASS
Band4 1	15MHz	16QAM	40315	75RB#0	VN	NT	8.64	0.003372	±2.5	PASS
Band4 1	15MHz	16QAM	40315	75RB#0	VH	NT	11.30	0.004410	±2.5	PASS
Band4 1	15MHz	16QAM	40690	75RB#0	VL	NT	6.35	0.002442	±2.5	PASS
Band4 1	15MHz	16QAM	40690	75RB#0	VN	NT	9.30	0.003577	±2.5	PASS
Band4 1	15MHz	16QAM	40690	75RB#0	VH	NT	7.57	0.002912	±2.5	PASS
Band4 1	15MHz	16QAM	41165	75RB#0	VL	NT	-9.97	-0.003766	±2.5	PASS
Band4 1	15MHz	16QAM	41165	75RB#0	VN	NT	-7.54	-0.002848	±2.5	PASS
Band4 1	15MHz	16QAM	41165	75RB#0	VH	NT	-8.47	-0.003199	±2.5	PASS
Band4 1	20MHz	QPSK	40340	100RB#0	VL	NT	-6.55	-0.002554	±2.5	PASS
Band4 1	20MHz	QPSK	40340	100RB#0	VN	NT	6.42	0.002503	±2.5	PASS
Band4 1	20MHz	QPSK	40340	100RB#0	VH	NT	-10.21	-0.003981	±2.5	PASS
Band4 1	20MHz	QPSK	40690	100RB#0	VL	NT	7.34	0.002823	±2.5	PASS
Band4 1	20MHz	QPSK	40690	100RB#0	VN	NT	11.99	0.004612	±2.5	PASS
Band4 1	20MHz	QPSK	40690	100RB#0	VH	NT	-7.97	-0.003065	±2.5	PASS

Band41	20MHz	QPSK	41140	100RB#0	VL	NT	7.82	0.002957	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VN	NT	10.01	0.003784	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VH	NT	9.23	0.003490	±2.5	PASS
Band41	20MHz	16QAM	40340	100RB#0	VL	NT	-5.46	-0.002129	±2.5	PASS
Band41	20MHz	16QAM	40340	100RB#0	VN	NT	-10.96	-0.004273	±2.5	PASS
Band41	20MHz	16QAM	40340	100RB#0	VH	NT	-7.94	-0.003096	±2.5	PASS
Band41	20MHz	16QAM	40690	100RB#0	VL	NT	-9.77	-0.003758	±2.5	PASS
Band41	20MHz	16QAM	40690	100RB#0	VN	NT	8.37	0.003219	±2.5	PASS
Band41	20MHz	16QAM	40690	100RB#0	VH	NT	9.13	0.003512	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VL	NT	9.38	0.003546	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VN	NT	9.14	0.003456	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VH	NT	6.04	0.002284	±2.5	PASS

Appendix G: Frequency stability VS Temperature measurement

Test Result

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	5MHz	QPSK	40265	25RB#0	NV	-30	-8.75	-0.003421	±2.5	PASS
Band41	5MHz	QPSK	40265	25RB#0	NV	-20	-6.85	-0.002678	±2.5	PASS
Band41	5MHz	QPSK	40265	25RB#0	NV	0	-5.75	-0.002248	±2.5	PASS
Band41	5MHz	QPSK	40265	25RB#0	NV	10	-5.02	-0.001963	±2.5	PASS
Band41	5MHz	QPSK	40265	25RB#0	NV	20	-7.25	-0.002835	±2.5	PASS
Band41	5MHz	QPSK	40690	25RB#0	NV	-30	7.71	0.002965	±2.5	PASS
Band41	5MHz	QPSK	40690	25RB#0	NV	-20	9.41	0.003619	±2.5	PASS
Band41	5MHz	QPSK	40690	25RB#0	NV	0	4.08	0.001569	±2.5	PASS
Band41	5MHz	QPSK	40690	25RB#0	NV	10	7.27	0.002796	±2.5	PASS
Band41	5MHz	QPSK	40690	25RB#0	NV	20	9.57	0.003681	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	NV	-30	-5.26	-0.001983	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	NV	-20	10.27	0.003872	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	NV	0	6.72	0.002533	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	NV	10	9.77	0.003683	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	NV	20	7.62	0.002873	±2.5	PASS
Band41	5MHz	16QAM	40265	25RB#0	NV	-30	-8.24	-0.003222	±2.5	PASS
Band41	5MHz	16QAM	40265	25RB#0	NV	-20	-9.84	-0.003848	±2.5	PASS
Band4	5MHz	16QAM	40265	25RB#0	NV	0	-7.93	-0.003101	±2.5	PASS

1										
Band4 1	5MHz	16QAM	40265	25RB#0	NV	10	-8.05	-0.003148	±2.5	PASS
Band4 1	5MHz	16QAM	40265	25RB#0	NV	20	-10.77	-0.004211	±2.5	PASS
Band4 1	5MHz	16QAM	40690	25RB#0	NV	-30	7.45	0.002865	±2.5	PASS
Band4 1	5MHz	16QAM	40690	25RB#0	NV	-20	4.32	0.001662	±2.5	PASS
Band4 1	5MHz	16QAM	40690	25RB#0	NV	0	6.01	0.002312	±2.5	PASS
Band4 1	5MHz	16QAM	40690	25RB#0	NV	10	8.11	0.003119	±2.5	PASS
Band4 1	5MHz	16QAM	40690	25RB#0	NV	20	8.01	0.003081	±2.5	PASS
Band4 1	5MHz	16QAM	41215	25RB#0	NV	-30	11.77	0.004437	±2.5	PASS
Band4 1	5MHz	16QAM	41215	25RB#0	NV	-20	-6.31	-0.002379	±2.5	PASS
Band4 1	5MHz	16QAM	41215	25RB#0	NV	0	5.94	0.002239	±2.5	PASS
Band4 1	5MHz	16QAM	41215	25RB#0	NV	10	-10.21	-0.003849	±2.5	PASS
Band4 1	5MHz	16QAM	41215	25RB#0	NV	20	9.60	0.003619	±2.5	PASS
Band4 1	10MHz	QPSK	40290	50RB#0	NV	-30	-3.83	-0.001496	±2.5	PASS
Band4 1	10MHz	QPSK	40290	50RB#0	NV	-20	6.95	0.002715	±2.5	PASS
Band4 1	10MHz	QPSK	40290	50RB#0	NV	0	6.47	0.002527	±2.5	PASS
Band4 1	10MHz	QPSK	40290	50RB#0	NV	10	6.28	0.002453	±2.5	PASS
Band4 1	10MHz	QPSK	40290	50RB#0	NV	20	-61.11	-0.023871	±2.5	PASS
Band4 1	10MHz	QPSK	40690	50RB#0	NV	-30	-6.79	-0.002612	±2.5	PASS
Band4 1	10MHz	QPSK	40690	50RB#0	NV	-20	4.84	0.001862	±2.5	PASS
Band4 1	10MHz	QPSK	40690	50RB#0	NV	0	-6.59	-0.002535	±2.5	PASS
Band4 1	10MHz	QPSK	40690	50RB#0	NV	10	10.60	0.004077	±2.5	PASS

Band41	10MHz	QPSK	40690	50RB#0	NV	20	8.77	0.003373	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	NV	-30	-13.68	-0.005162	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	NV	-20	-12.79	-0.004826	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	NV	0	-10.94	-0.004128	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	NV	10	-13.49	-0.005091	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	NV	20	-12.35	-0.004660	±2.5	PASS
Band41	10MHz	16QAM	40290	50RB#0	NV	-30	7.93	0.003098	±2.5	PASS
Band41	10MHz	16QAM	40290	50RB#0	NV	-20	8.51	0.003324	±2.5	PASS
Band41	10MHz	16QAM	40290	50RB#0	NV	0	6.37	0.002488	±2.5	PASS
Band41	10MHz	16QAM	40290	50RB#0	NV	10	3.63	0.001418	±2.5	PASS
Band41	10MHz	16QAM	40290	50RB#0	NV	20	7.27	0.002840	±2.5	PASS
Band41	10MHz	16QAM	40690	50RB#0	NV	-30	4.98	0.001915	±2.5	PASS
Band41	10MHz	16QAM	40690	50RB#0	NV	-20	6.25	0.002404	±2.5	PASS
Band41	10MHz	16QAM	40690	50RB#0	NV	0	5.29	0.002035	±2.5	PASS
Band41	10MHz	16QAM	40690	50RB#0	NV	10	7.87	0.003027	±2.5	PASS
Band41	10MHz	16QAM	40690	50RB#0	NV	20	7.98	0.003069	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	NV	-30	14.98	0.005653	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	NV	-20	7.81	0.002947	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	NV	0	-4.36	-0.001645	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	NV	10	7.71	0.002909	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	NV	20	-10.41	-0.003928	±2.5	PASS
Band4	15MHz	QPSK	40315	75RB#0	NV	-30	6.95	0.002712	±2.5	PASS

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Band41	15MHz	QPSK	40315	75RB#0	NV	-20	10.83	0.004226	±2.5	PASS
Band41	15MHz	QPSK	40315	75RB#0	NV	0	8.21	0.003204	±2.5	PASS
Band41	15MHz	QPSK	40315	75RB#0	NV	10	7.52	0.002935	±2.5	PASS
Band41	15MHz	QPSK	40315	75RB#0	NV	20	9.56	0.003731	±2.5	PASS
Band41	15MHz	QPSK	40690	75RB#0	NV	-30	8.23	0.003165	±2.5	PASS
Band41	15MHz	QPSK	40690	75RB#0	NV	-20	10.26	0.003946	±2.5	PASS
Band41	15MHz	QPSK	40690	75RB#0	NV	0	10.91	0.004196	±2.5	PASS
Band41	15MHz	QPSK	40690	75RB#0	NV	10	7.05	0.002712	±2.5	PASS
Band41	15MHz	QPSK	40690	75RB#0	NV	20	8.90	0.003423	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	NV	-30	-10.67	-0.004030	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	NV	-20	-10.47	-0.003955	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	NV	0	-6.44	-0.002432	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	NV	10	-5.65	-0.002134	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	NV	20	-8.43	-0.003184	±2.5	PASS
Band41	15MHz	16QAM	40315	75RB#0	NV	-30	5.06	0.001975	±2.5	PASS
Band41	15MHz	16QAM	40315	75RB#0	NV	-20	7.60	0.002966	±2.5	PASS
Band41	15MHz	16QAM	40315	75RB#0	NV	0	9.77	0.003813	±2.5	PASS
Band41	15MHz	16QAM	40315	75RB#0	NV	10	8.87	0.003461	±2.5	PASS
Band41	15MHz	16QAM	40315	75RB#0	NV	20	8.74	0.003411	±2.5	PASS
Band41	15MHz	16QAM	40690	75RB#0	NV	-30	7.50	0.002885	±2.5	PASS
Band41	15MHz	16QAM	40690	75RB#0	NV	-20	14.29	0.005496	±2.5	PASS

Band41	15MHz	16QAM	40690	75RB#0	NV	0	-5.06	-0.001946	±2.5	PASS
Band41	15MHz	16QAM	40690	75RB#0	NV	10	6.37	0.002450	±2.5	PASS
Band41	15MHz	16QAM	40690	75RB#0	NV	20	6.38	0.002454	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	NV	-30	-10.14	-0.003830	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	NV	-20	-6.38	-0.002410	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	NV	0	-6.08	-0.002297	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	NV	10	-8.03	-0.003033	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	NV	20	-9.81	-0.003705	±2.5	PASS
Band41	20MHz	QPSK	40340	100RB#0	NV	-30	-8.10	-0.003158	±2.5	PASS
Band41	20MHz	QPSK	40340	100RB#0	NV	-20	-9.90	-0.003860	±2.5	PASS
Band41	20MHz	QPSK	40340	100RB#0	NV	0	-9.48	-0.003696	±2.5	PASS
Band41	20MHz	QPSK	40340	100RB#0	NV	10	-6.35	-0.002476	±2.5	PASS
Band41	20MHz	QPSK	40340	100RB#0	NV	20	-10.94	-0.004265	±2.5	PASS
Band41	20MHz	QPSK	40690	100RB#0	NV	-30	7.94	0.003054	±2.5	PASS
Band41	20MHz	QPSK	40690	100RB#0	NV	-20	7.90	0.003038	±2.5	PASS
Band41	20MHz	QPSK	40690	100RB#0	NV	0	12.70	0.004885	±2.5	PASS
Band41	20MHz	QPSK	40690	100RB#0	NV	10	8.04	0.003092	±2.5	PASS
Band41	20MHz	QPSK	40690	100RB#0	NV	20	8.75	0.003365	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-30	9.01	0.003406	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-20	7.58	0.002866	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	0	-8.61	-0.003255	±2.5	PASS
Band4	20MHz	QPSK	41140	100RB#0	NV	10	6.07	0.002295	±2.5	PASS

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Band4 1	20MHz	QPSK	41140	100RB#0	NV	20	7.22	0.002730	±2.5	PASS
Band4 1	20MHz	16QAM	40340	100RB#0	NV	-30	-4.85	-0.001891	±2.5	PASS
Band4 1	20MHz	16QAM	40340	100RB#0	NV	-20	-6.58	-0.002565	±2.5	PASS
Band4 1	20MHz	16QAM	40340	100RB#0	NV	0	-2.75	-0.001072	±2.5	PASS
Band4 1	20MHz	16QAM	40340	100RB#0	NV	10	-4.45	-0.001735	±2.5	PASS
Band4 1	20MHz	16QAM	40340	100RB#0	NV	20	-6.68	-0.002604	±2.5	PASS
Band4 1	20MHz	16QAM	40690	100RB#0	NV	-30	8.58	0.003300	±2.5	PASS
Band4 1	20MHz	16QAM	40690	100RB#0	NV	-20	5.15	0.001981	±2.5	PASS
Band4 1	20MHz	16QAM	40690	100RB#0	NV	0	4.73	0.001819	±2.5	PASS
Band4 1	20MHz	16QAM	40690	100RB#0	NV	10	8.00	0.003077	±2.5	PASS
Band4 1	20MHz	16QAM	40690	100RB#0	NV	20	5.12	0.001969	±2.5	PASS
Band4 1	20MHz	16QAM	41140	100RB#0	NV	-30	7.47	0.002824	±2.5	PASS
Band4 1	20MHz	16QAM	41140	100RB#0	NV	-20	8.40	0.003176	±2.5	PASS
Band4 1	20MHz	16QAM	41140	100RB#0	NV	0	6.37	0.002408	±2.5	PASS
Band4 1	20MHz	16QAM	41140	100RB#0	NV	10	9.17	0.003467	±2.5	PASS
Band4 1	20MHz	16QAM	41140	100RB#0	NV	20	7.68	0.002904	±2.5	PASS

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