

Test Data for E-UTRA Band 7

EUT: <u>iMat @Weigh -30 Smart office Vending machine</u>	Test Model: <u>W80-30</u>
Ambient Condition: <u>25 °C, 45 %RH, 101.325 kPa</u>	
Test Engineer: <u>Jack Zhou</u>	

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Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	24.00	24.21	PASS
Band7	5MHz	QPSK	20775	1RB#12	24.50	24.71	PASS
Band7	5MHz	QPSK	20775	1RB#24	24.37	24.58	PASS
Band7	5MHz	QPSK	20775	12RB#0	23.52	23.73	PASS
Band7	5MHz	QPSK	20775	12RB#6	23.51	23.72	PASS
Band7	5MHz	QPSK	20775	12RB#13	23.48	23.69	PASS
Band7	5MHz	QPSK	20775	25RB#0	23.43	23.64	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.78	23.99	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.99	24.20	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.75	23.96	PASS
Band7	5MHz	QPSK	21100	12RB#0	23.45	23.66	PASS
Band7	5MHz	QPSK	21100	12RB#6	23.25	23.46	PASS
Band7	5MHz	QPSK	21100	12RB#13	23.35	23.56	PASS
Band7	5MHz	QPSK	21100	25RB#0	23.36	23.57	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.46	23.67	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.36	23.57	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.76	22.97	PASS
Band7	5MHz	QPSK	21425	12RB#0	23.38	23.59	PASS
Band7	5MHz	QPSK	21425	12RB#6	23.35	23.56	PASS
Band7	5MHz	QPSK	21425	12RB#13	23.01	23.22	PASS
Band7	5MHz	QPSK	21425	25RB#0	23.19	23.40	PASS
Band7	5MHz	16QAM	20775	1RB#0	23.02	23.23	PASS
Band7	5MHz	16QAM	20775	1RB#12	23.56	23.77	PASS
Band7	5MHz	16QAM	20775	1RB#24	23.17	23.38	PASS
Band7	5MHz	16QAM	20775	12RB#0	22.44	22.65	PASS
Band7	5MHz	16QAM	20775	12RB#6	22.43	22.64	PASS
Band7	5MHz	16QAM	20775	12RB#13	22.44	22.65	PASS
Band7	5MHz	16QAM	20775	25RB#0	22.50	22.71	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.98	23.19	PASS
Band7	5MHz	16QAM	21100	1RB#12	23.21	23.42	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.93	23.14	PASS

Band7	5MHz	16QAM	21100	12RB#0	22.48	22.69	PASS
Band7	5MHz	16QAM	21100	12RB#6	22.48	22.69	PASS
Band7	5MHz	16QAM	21100	12RB#13	22.47	22.68	PASS
Band7	5MHz	16QAM	21100	25RB#0	22.22	22.43	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.47	22.68	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.51	22.72	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.95	22.16	PASS
Band7	5MHz	16QAM	21425	12RB#0	22.46	22.67	PASS
Band7	5MHz	16QAM	21425	12RB#6	22.33	22.54	PASS
Band7	5MHz	16QAM	21425	12RB#13	22.18	22.39	PASS
Band7	5MHz	16QAM	21425	25RB#0	22.31	22.52	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.12	23.33	PASS
Band7	10MHz	QPSK	20800	1RB#24	24.35	24.56	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.62	23.83	PASS
Band7	10MHz	QPSK	20800	25RB#0	23.66	23.87	PASS
Band7	10MHz	QPSK	20800	25RB#12	23.65	23.86	PASS
Band7	10MHz	QPSK	20800	25RB#25	23.61	23.82	PASS
Band7	10MHz	QPSK	20800	50RB#0	23.58	23.79	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.97	23.18	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.81	24.02	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.95	23.16	PASS
Band7	10MHz	QPSK	21100	25RB#0	23.46	23.67	PASS
Band7	10MHz	QPSK	21100	25RB#12	23.45	23.66	PASS
Band7	10MHz	QPSK	21100	25RB#25	23.43	23.64	PASS
Band7	10MHz	QPSK	21100	50RB#0	23.42	23.63	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.46	22.67	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.40	23.61	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.06	22.27	PASS
Band7	10MHz	QPSK	21400	25RB#0	23.11	23.32	PASS
Band7	10MHz	QPSK	21400	25RB#12	23.10	23.31	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.91	23.12	PASS
Band7	10MHz	QPSK	21400	50RB#0	23.02	23.23	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.32	22.53	PASS
Band7	10MHz	16QAM	20800	1RB#24	23.65	23.86	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.86	23.07	PASS
Band7	10MHz	16QAM	20800	25RB#0	22.69	22.90	PASS
Band7	10MHz	16QAM	20800	25RB#12	22.68	22.89	PASS

Band7	10MHz	16QAM	20800	25RB#25	22.64	22.85	PASS
Band7	10MHz	16QAM	20800	50RB#0	22.53	22.74	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.19	22.40	PASS
Band7	10MHz	16QAM	21100	1RB#24	23.03	23.24	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.14	22.35	PASS
Band7	10MHz	16QAM	21100	25RB#0	22.55	22.76	PASS
Band7	10MHz	16QAM	21100	25RB#12	22.54	22.75	PASS
Band7	10MHz	16QAM	21100	25RB#25	22.53	22.74	PASS
Band7	10MHz	16QAM	21100	50RB#0	22.38	22.59	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.70	21.91	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.68	22.89	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.38	21.59	PASS
Band7	10MHz	16QAM	21400	25RB#0	22.13	22.34	PASS
Band7	10MHz	16QAM	21400	25RB#12	22.12	22.33	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.99	22.20	PASS
Band7	10MHz	16QAM	21400	50RB#0	22.06	22.27	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.28	23.49	PASS
Band7	15MHz	QPSK	20825	1RB#38	24.39	24.60	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.72	23.93	PASS
Band7	15MHz	QPSK	20825	38RB#0	23.64	23.85	PASS
Band7	15MHz	QPSK	20825	38RB#18	23.59	23.80	PASS
Band7	15MHz	QPSK	20825	38RB#37	23.59	23.80	PASS
Band7	15MHz	QPSK	20825	75RB#0	23.58	23.79	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.09	23.30	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.67	23.88	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.12	23.33	PASS
Band7	15MHz	QPSK	21100	38RB#0	23.45	23.66	PASS
Band7	15MHz	QPSK	21100	38RB#18	23.42	23.63	PASS
Band7	15MHz	QPSK	21100	38RB#37	23.41	23.62	PASS
Band7	15MHz	QPSK	21100	75RB#0	23.41	23.62	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.81	23.02	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.27	23.48	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.16	22.37	PASS
Band7	15MHz	QPSK	21375	38RB#0	23.04	23.25	PASS
Band7	15MHz	QPSK	21375	38RB#18	23.00	23.21	PASS
Band7	15MHz	QPSK	21375	38RB#37	22.99	23.20	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.99	23.20	PASS

Band7	15MHz	16QAM	20825	1RB#0	22.49	22.70	PASS
Band7	15MHz	16QAM	20825	1RB#38	23.67	23.88	PASS
Band7	15MHz	16QAM	20825	1RB#74	23.00	23.21	PASS
Band7	15MHz	16QAM	20825	38RB#0	23.60	23.81	PASS
Band7	15MHz	16QAM	20825	38RB#18	23.59	23.80	PASS
Band7	15MHz	16QAM	20825	38RB#37	23.58	23.79	PASS
Band7	15MHz	16QAM	20825	75RB#0	22.61	22.82	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.42	22.63	PASS
Band7	15MHz	16QAM	21100	1RB#38	23.00	23.21	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.41	22.62	PASS
Band7	15MHz	16QAM	21100	38RB#0	23.43	23.64	PASS
Band7	15MHz	16QAM	21100	38RB#18	23.42	23.63	PASS
Band7	15MHz	16QAM	21100	38RB#37	23.41	23.62	PASS
Band7	15MHz	16QAM	21100	75RB#0	22.49	22.70	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.04	22.25	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.51	22.72	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.50	21.71	PASS
Band7	15MHz	16QAM	21375	38RB#0	23.02	23.23	PASS
Band7	15MHz	16QAM	21375	38RB#18	22.99	23.20	PASS
Band7	15MHz	16QAM	21375	38RB#37	22.99	23.20	PASS
Band7	15MHz	16QAM	21375	75RB#0	22.04	22.25	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.00	23.21	PASS
Band7	20MHz	QPSK	20850	1RB#49	24.42	24.63	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.24	23.45	PASS
Band7	20MHz	QPSK	20850	50RB#0	23.74	23.95	PASS
Band7	20MHz	QPSK	20850	50RB#25	23.73	23.94	PASS
Band7	20MHz	QPSK	20850	50RB#50	23.39	23.60	PASS
Band7	20MHz	QPSK	20850	100RB#0	23.51	23.72	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.91	23.12	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.69	23.90	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.89	23.10	PASS
Band7	20MHz	QPSK	21100	50RB#0	23.32	23.53	PASS
Band7	20MHz	QPSK	21100	50RB#25	23.33	23.54	PASS
Band7	20MHz	QPSK	21100	50RB#50	23.32	23.53	PASS
Band7	20MHz	QPSK	21100	100RB#0	23.31	23.52	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.97	23.18	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.29	23.50	PASS

Band7	20MHz	QPSK	21350	1RB#99	22.01	22.22	PASS
Band7	20MHz	QPSK	21350	50RB#0	23.17	23.38	PASS
Band7	20MHz	QPSK	21350	50RB#25	23.15	23.36	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.85	23.06	PASS
Band7	20MHz	QPSK	21350	100RB#0	23.00	23.21	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.06	22.27	PASS
Band7	20MHz	16QAM	20850	1RB#49	23.52	23.73	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.32	22.53	PASS
Band7	20MHz	16QAM	20850	50RB#0	22.78	22.99	PASS
Band7	20MHz	16QAM	20850	50RB#25	22.68	22.89	PASS
Band7	20MHz	16QAM	20850	50RB#50	22.51	22.72	PASS
Band7	20MHz	16QAM	20850	100RB#0	22.54	22.75	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.13	22.34	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.93	23.14	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.15	22.36	PASS
Band7	20MHz	16QAM	21100	50RB#0	22.40	22.61	PASS
Band7	20MHz	16QAM	21100	50RB#25	22.39	22.60	PASS
Band7	20MHz	16QAM	21100	50RB#50	22.39	22.60	PASS
Band7	20MHz	16QAM	21100	100RB#0	22.38	22.59	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.03	22.24	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.34	22.55	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.11	21.32	PASS
Band7	20MHz	16QAM	21350	50RB#0	22.21	22.42	PASS
Band7	20MHz	16QAM	21350	50RB#25	22.21	22.42	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.92	22.13	PASS
Band7	20MHz	16QAM	21350	100RB#0	22.05	22.26	PASS

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

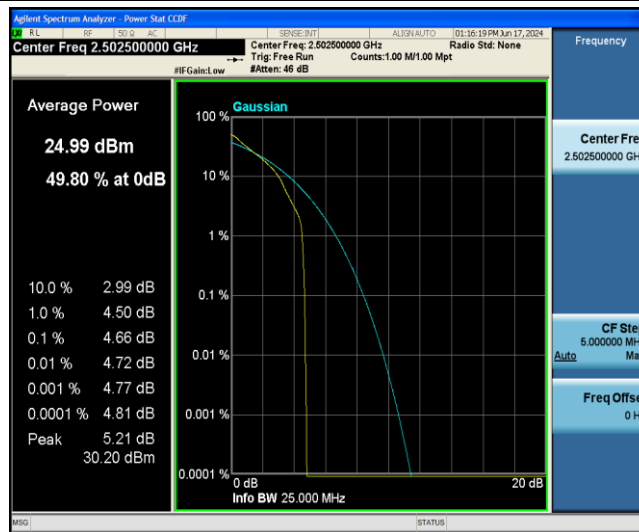
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	4.66	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.59	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	4.53	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.97	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	4.39	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.15	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.13	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.52	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.27	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.91	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	5.23	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.84	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	5.09	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	4.56	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	5.59	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.99	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	5.16	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	4.83	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	6.31	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.50	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	6.02	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.81	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	6.35	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.55	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	5.37	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	4.77	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	5.62	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.41	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	5.55	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.04	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.84	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.59	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.26	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.92	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	5.81	13	PASS

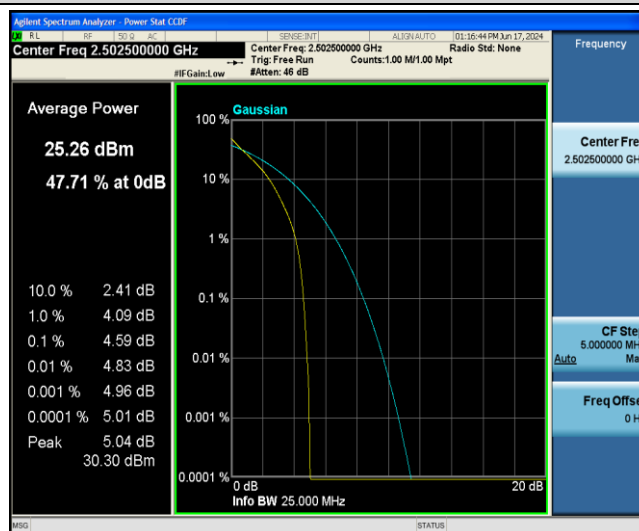
Band7	15MHz	16QAM	21375	75RB#0	5.98	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	5.32	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	4.70	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	5.47	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.22	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	5.00	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.92	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	5.96	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.57	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.75	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.86	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.54	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.66	13	PASS

Test Graphs

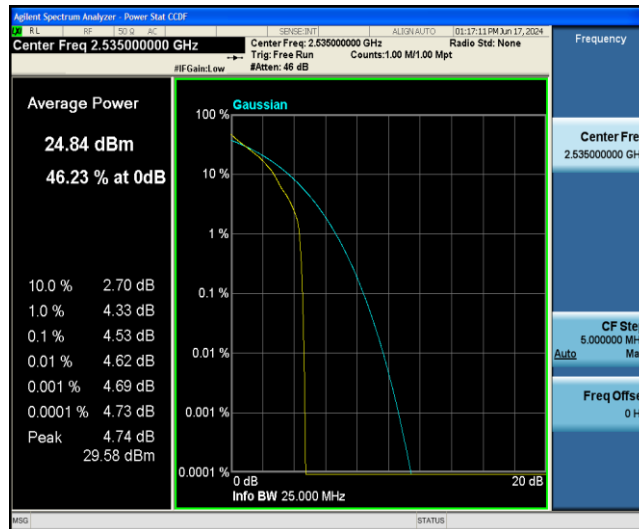
Band7-5MHz-QPSK-20775-1RB#0



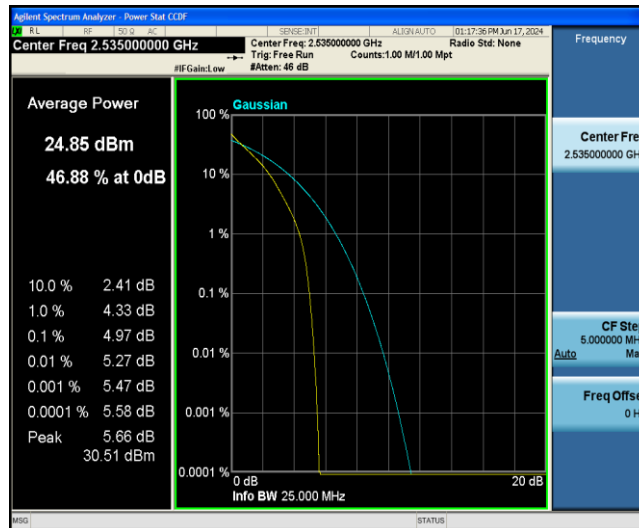
Band7-5MHz-QPSK-20775-25RB#0



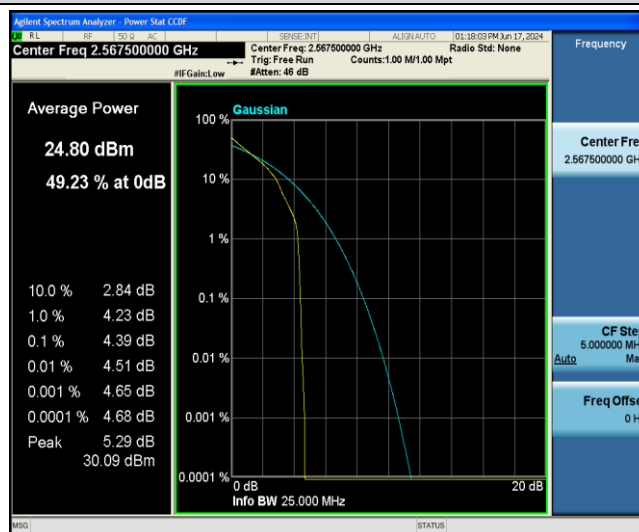
Band7-5MHz-QPSK-21100-1RB#0



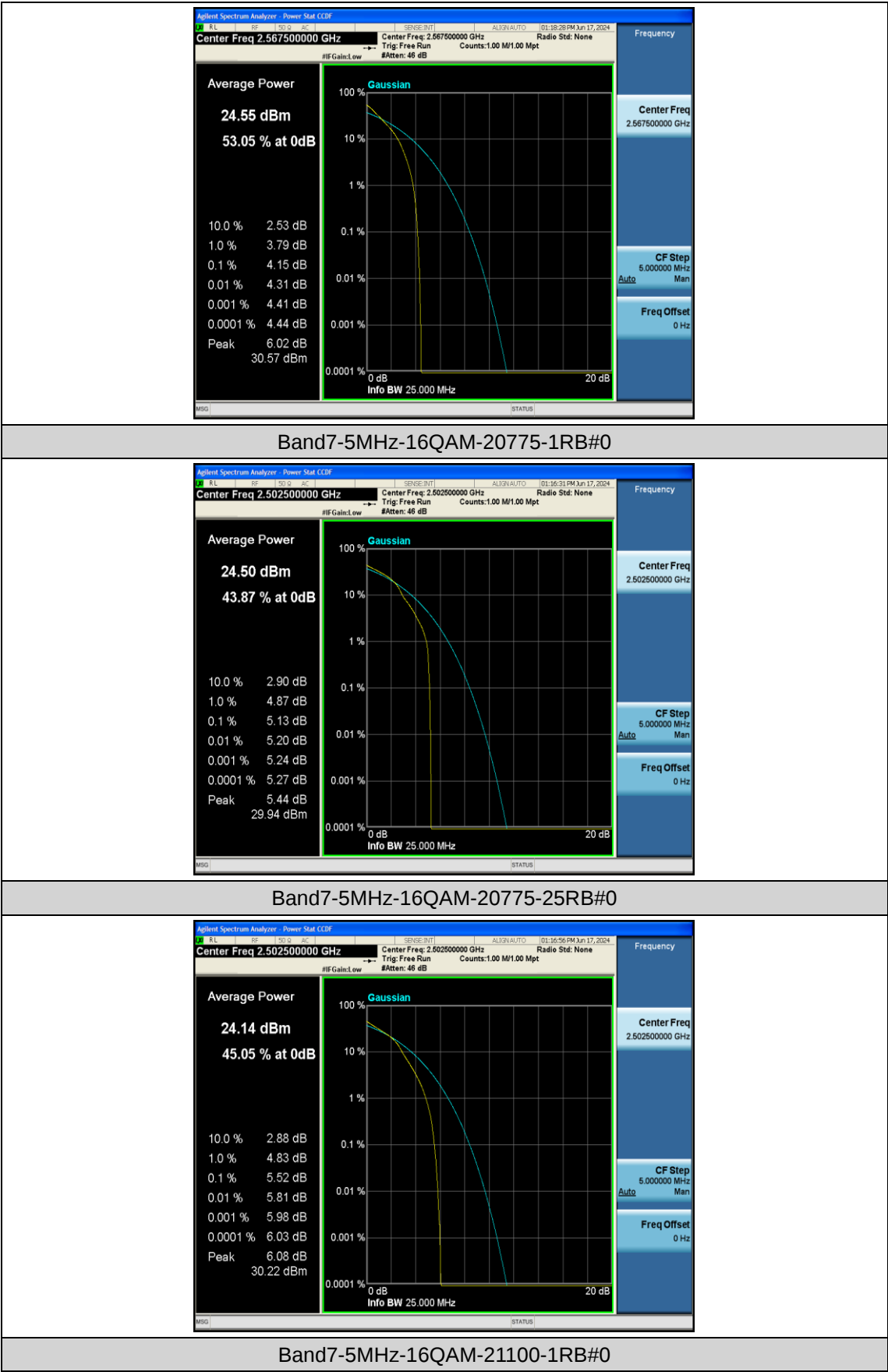
Band7-5MHz-QPSK-21100-25RB#0



Band7-5MHz-QPSK-21425-1RB#0



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



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

Agilent Spectrum Analyzer - Power Stat CLDF

Center Freq 2.502500000 GHz

Average Power

24.14 dBm

45.05 % at 0dB

10.0 % 2.88 dB

1.0 % 4.83 dB

0.1 % 5.52 dB

0.01 % 5.81 dB

0.001 % 5.98 dB

0.0001 % 6.03 dB

Peak 6.08 dB

30.22 dBm

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

0.0001 %

0 dB

20 dB

Info BW 25.000 MHz

Frequency

Center Freq

2.502500000 GHz

CF Step

5.000000 MHz

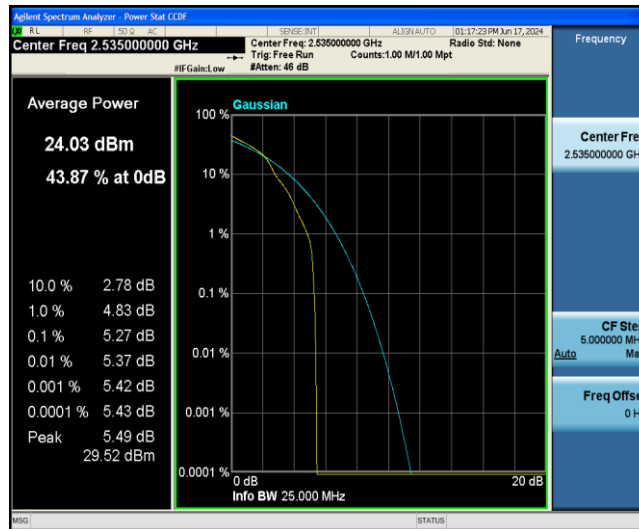
Auto

Man

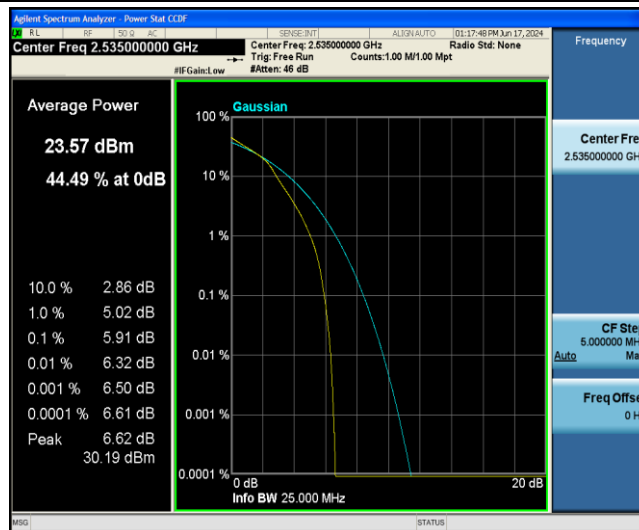
Freq Offset

0 Hz

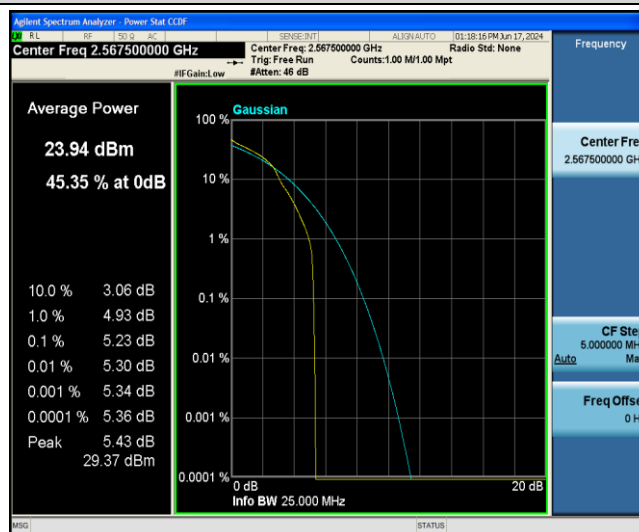
Band7-5MHz-16QAM-21100-1RB#0



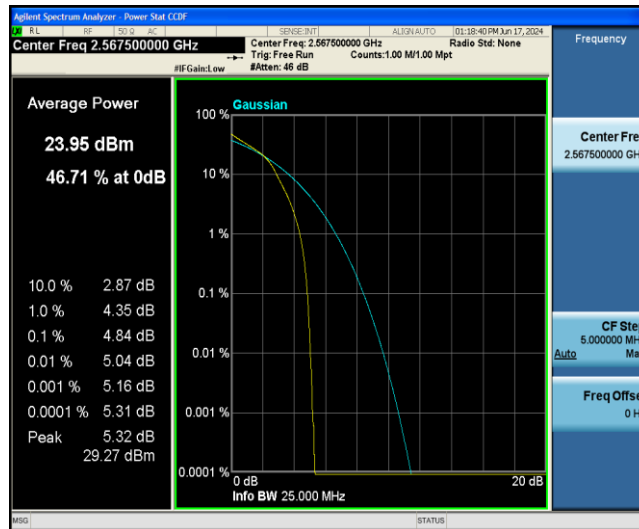
Band7-5MHz-16QAM-21100-25RB#0



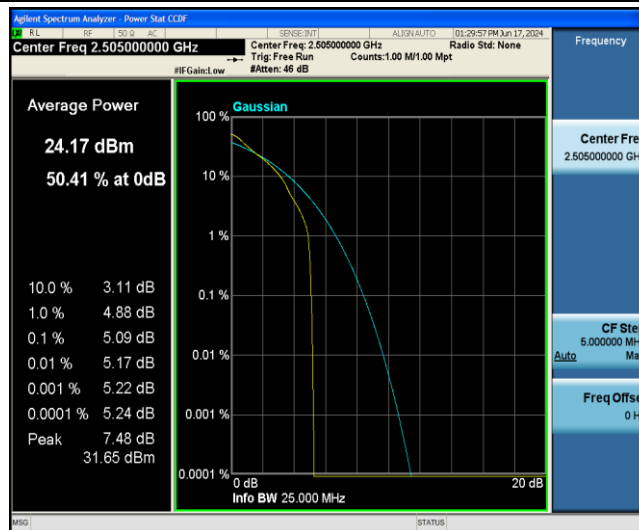
Band7-5MHz-16QAM-21425-1RB#0



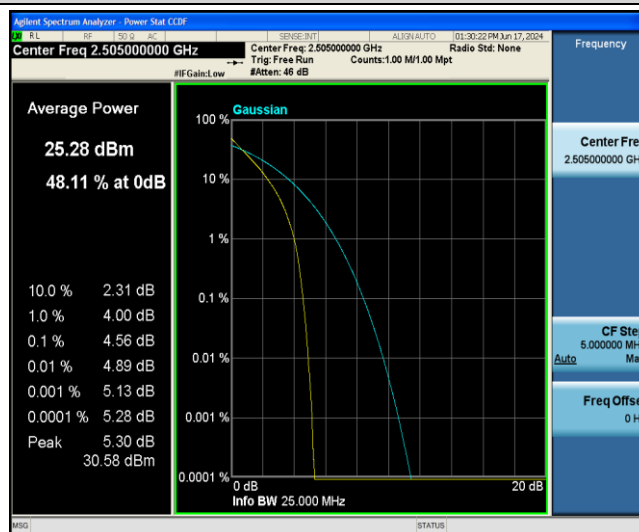
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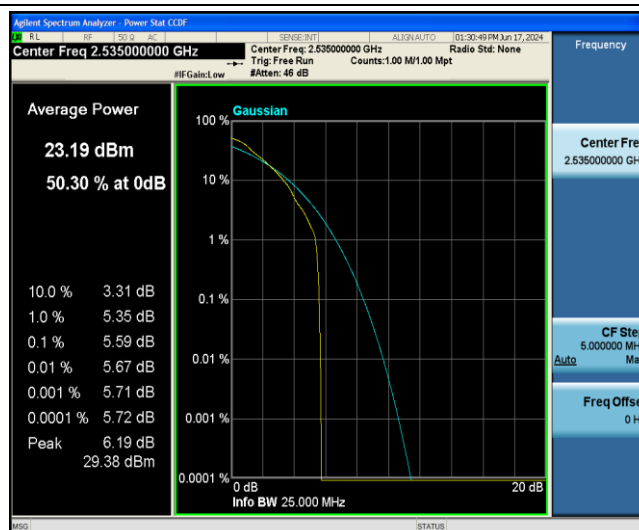
Band7-10MHz-QPSK-20800-1RB#0



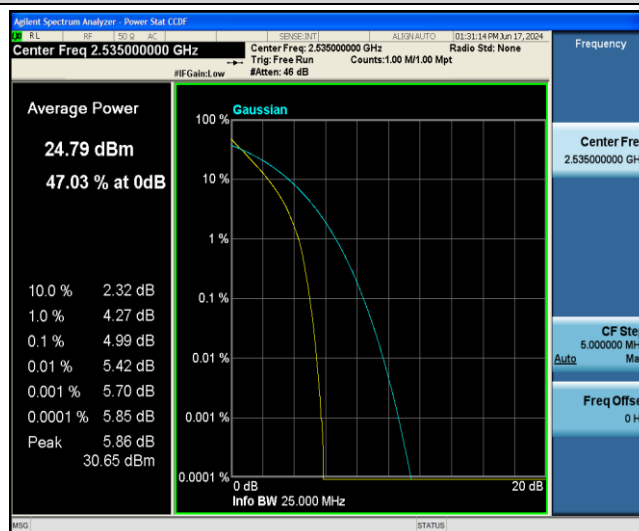
Band7-10MHz-QPSK-20800-50RB#0



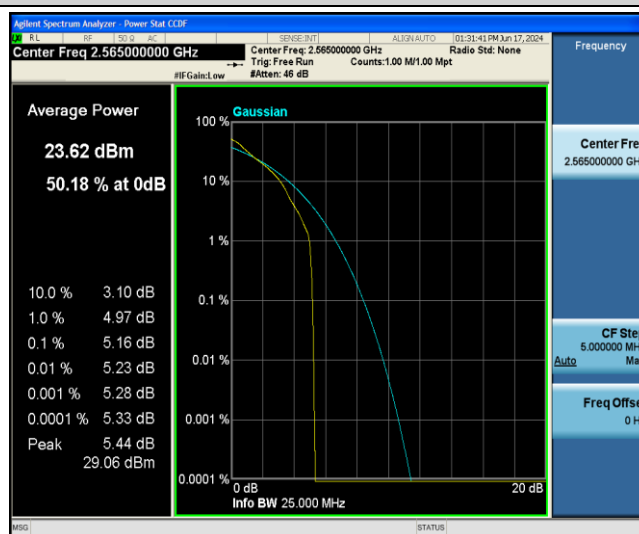
Band7-10MHz-QPSK-21100-1RB#0



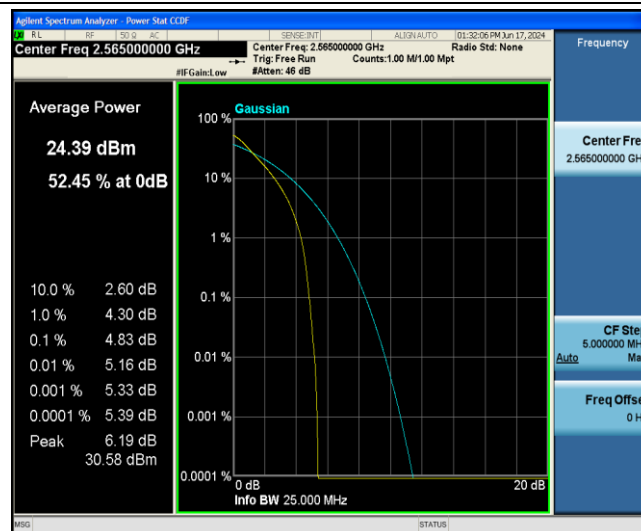
Band7-10MHz-QPSK-21100-50RB#0



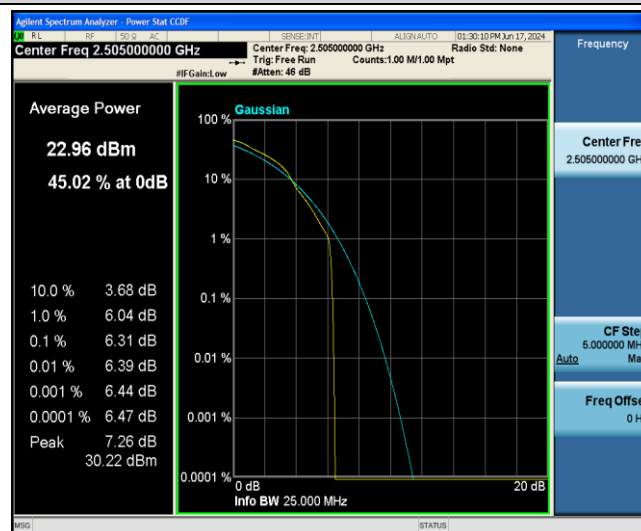
Band7-10MHz-QPSK-21400-1RB#0



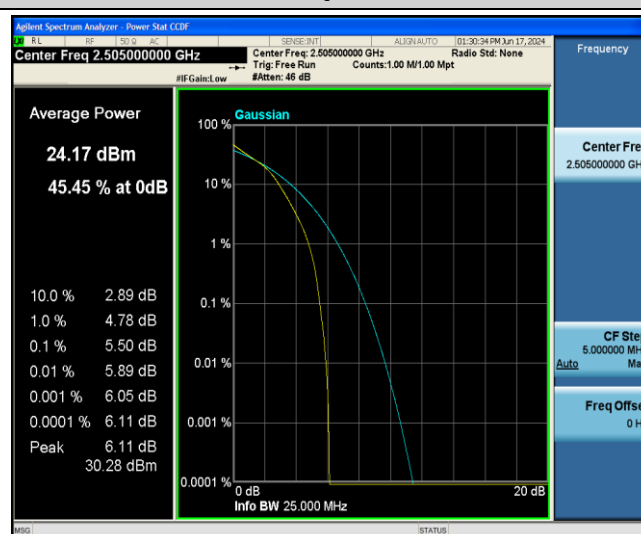
Band7-10MHz-QPSK-21400-50RB#0



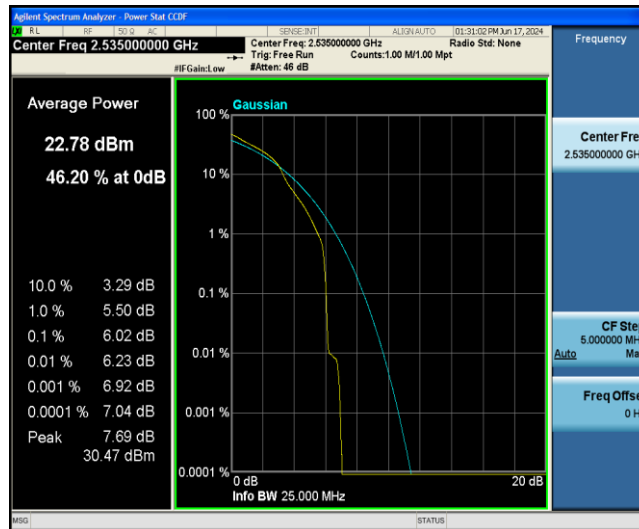
Band7-10MHz-16QAM-20800-1RB#0



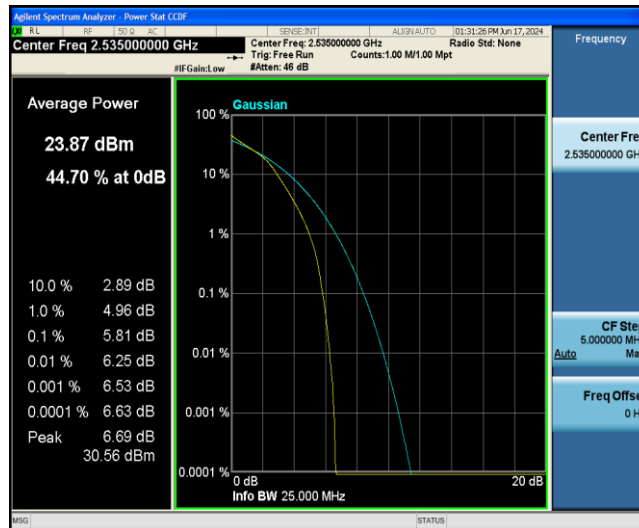
Band7-10MHz-16QAM-20800-50RB#0



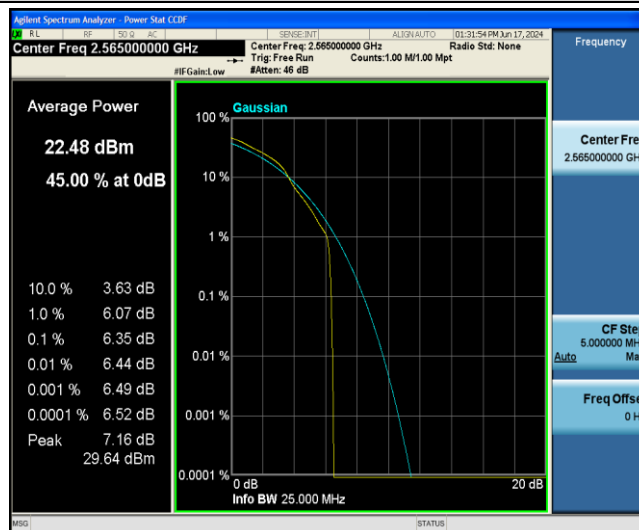
Band7-10MHz-16QAM-21100-1RB#0



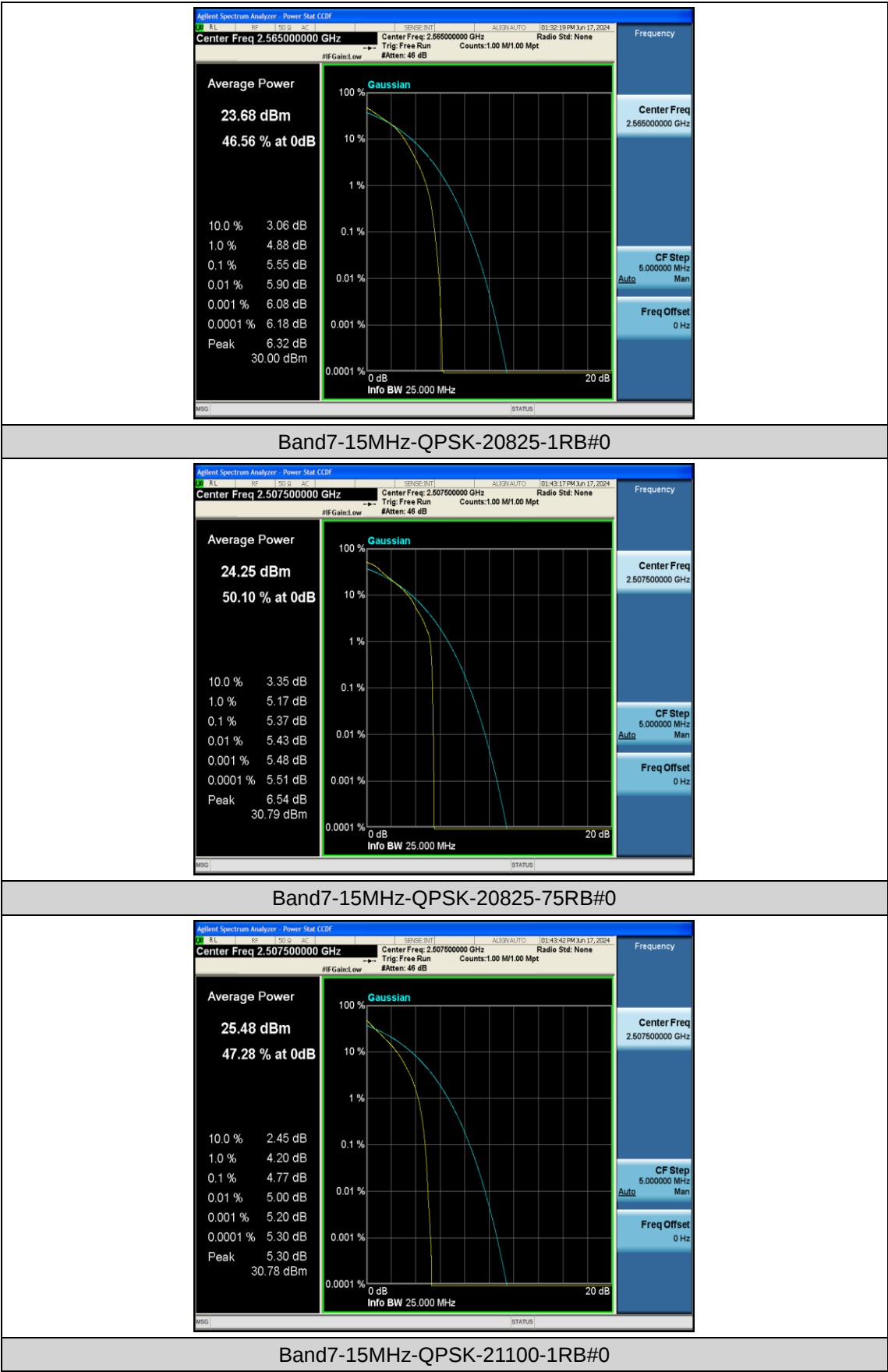
Band7-10MHz-16QAM-21100-50RB#0

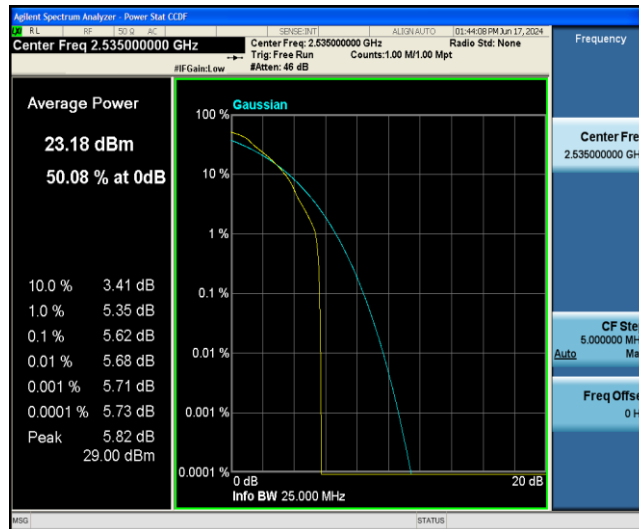


Band7-10MHz-16QAM-21400-1RB#0

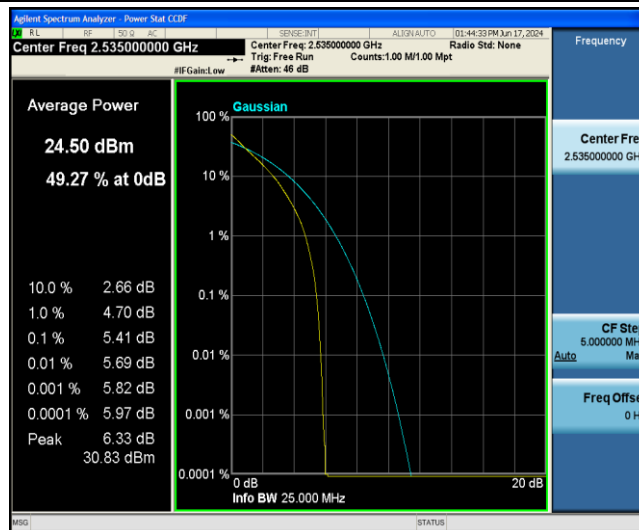


Band7-10MHz-16QAM-21400-50RB#0

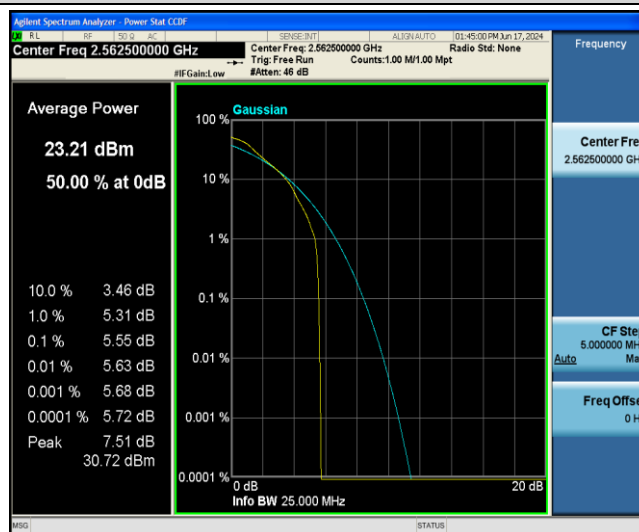




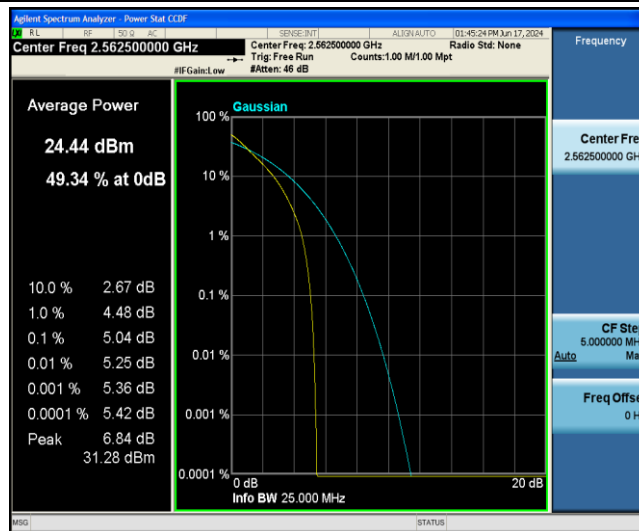
Band7-15MHz-QPSK-21100-75RB#0



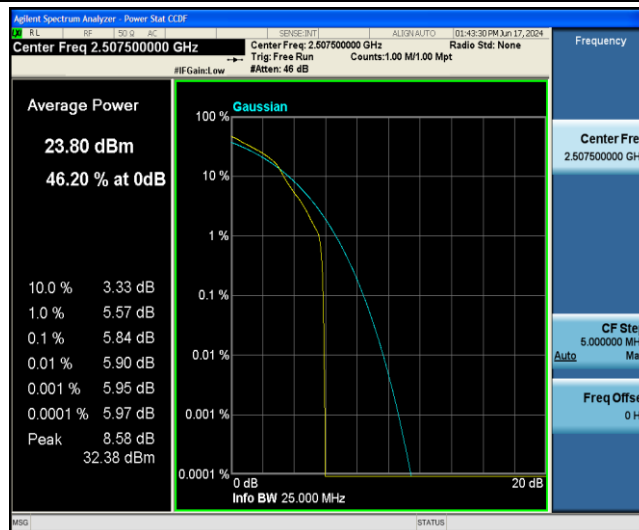
Band7-15MHz-QPSK-21375-1RB#0



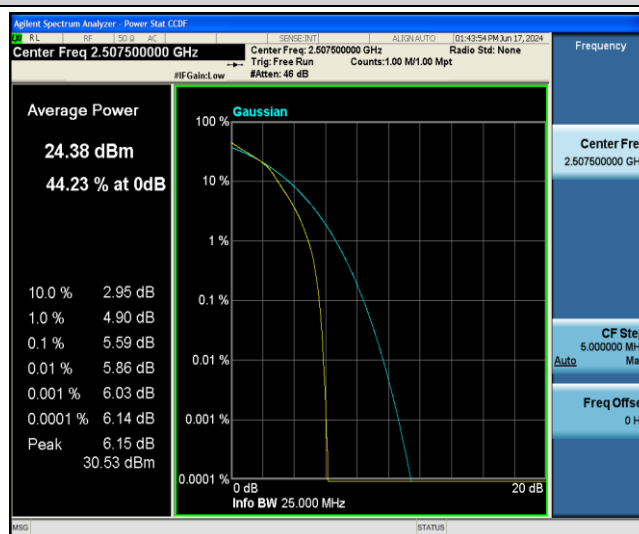
Band7-15MHz-QPSK-21375-75RB#0



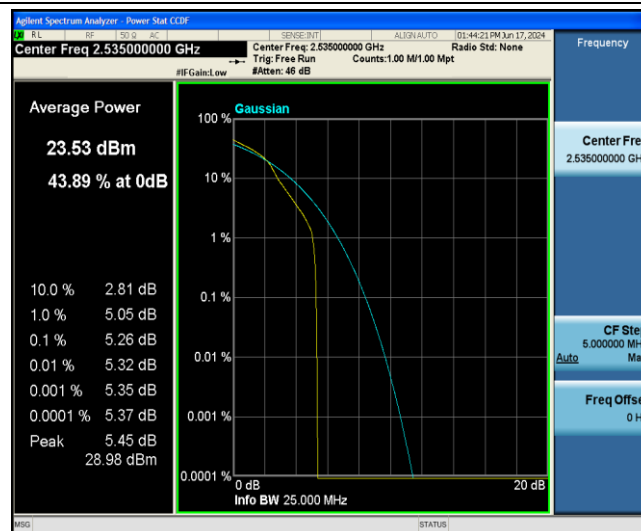
Band7-15MHz-16QAM-20825-1RB#0



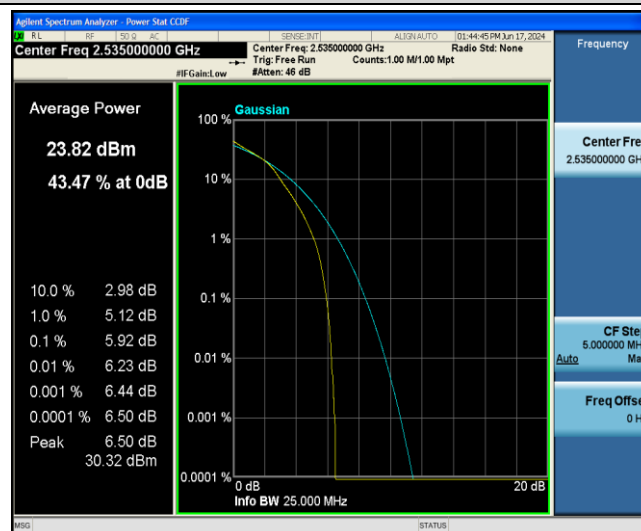
Band7-15MHz-16QAM-20825-75RB#0



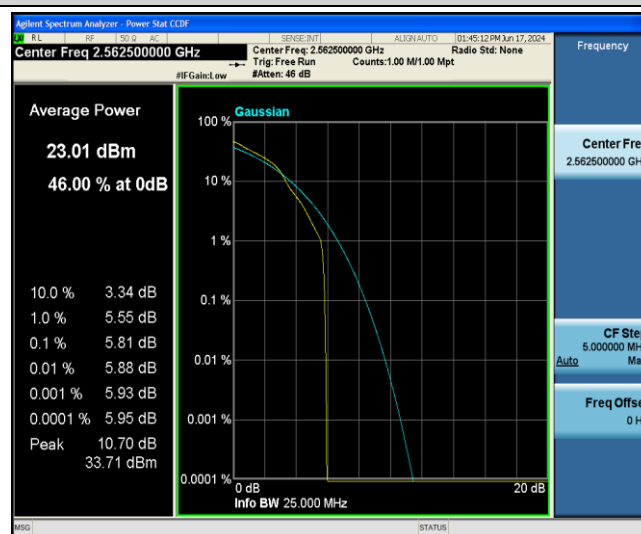
Band7-15MHz-16QAM-21100-1RB#0



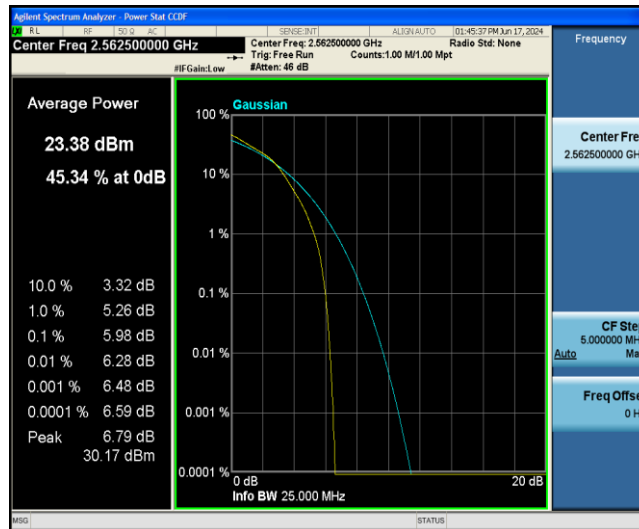
Band7-15MHz-16QAM-21100-75RB#0



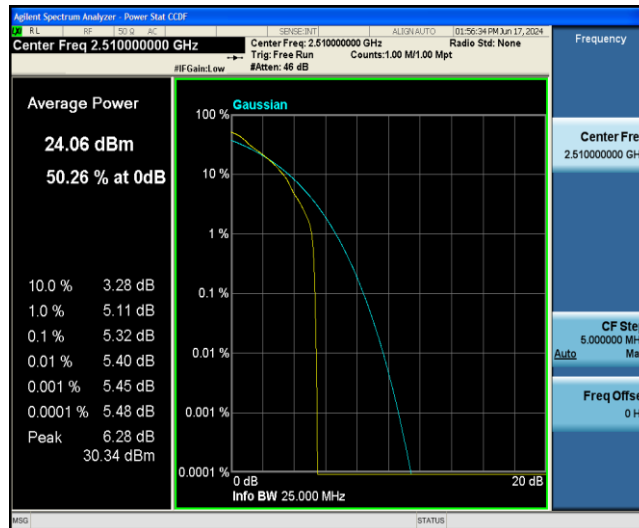
Band7-15MHz-16QAM-21375-1RB#0



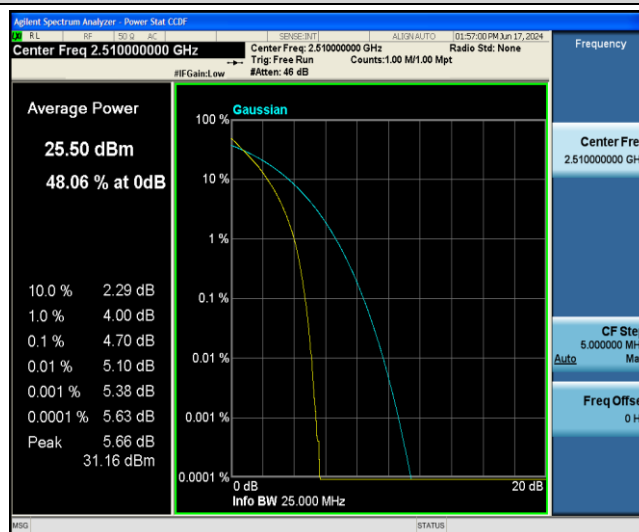
Band7-15MHz-16QAM-21375-75RB#0



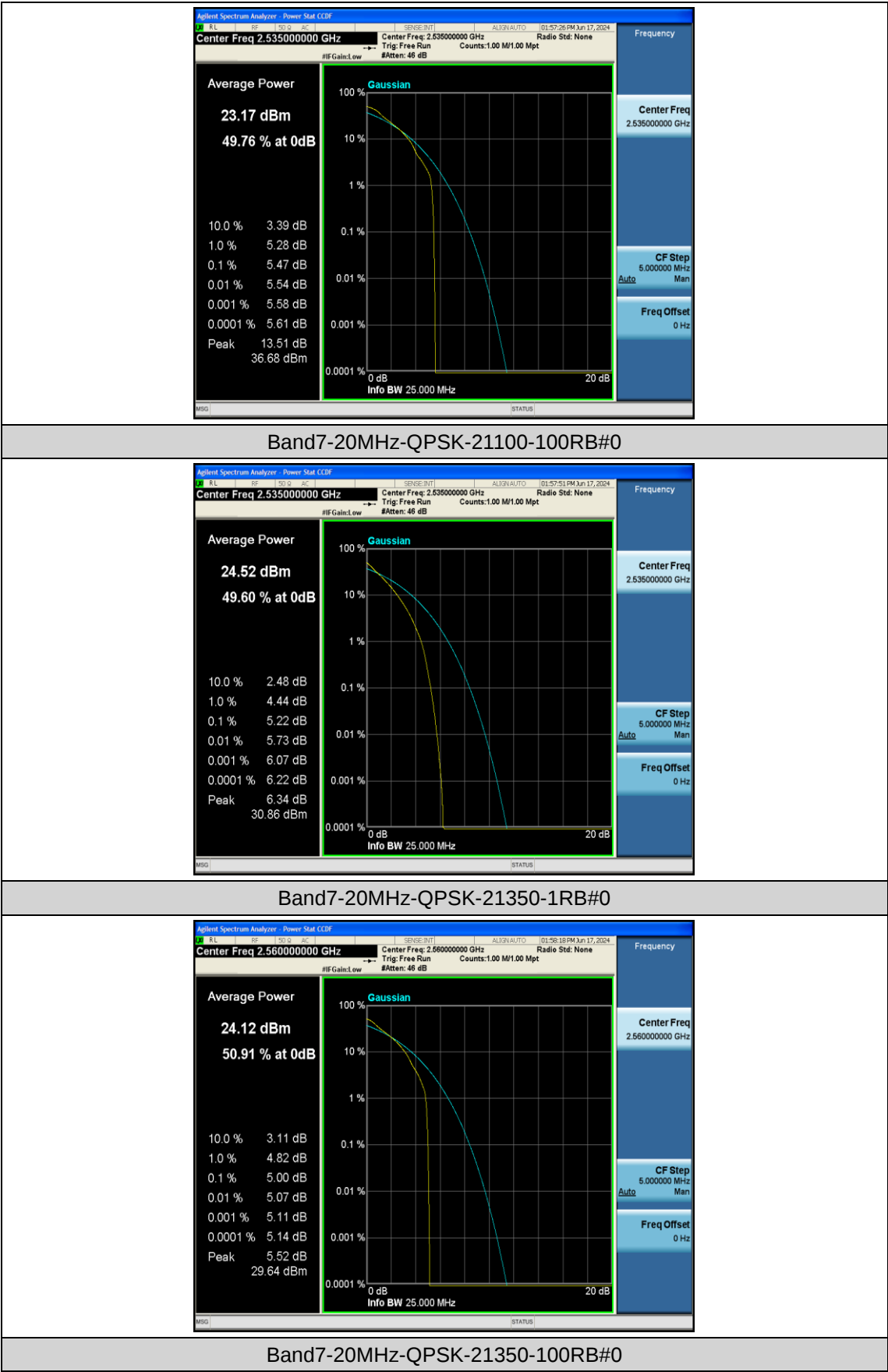
Band7-20MHz-QPSK-20850-1RB#0

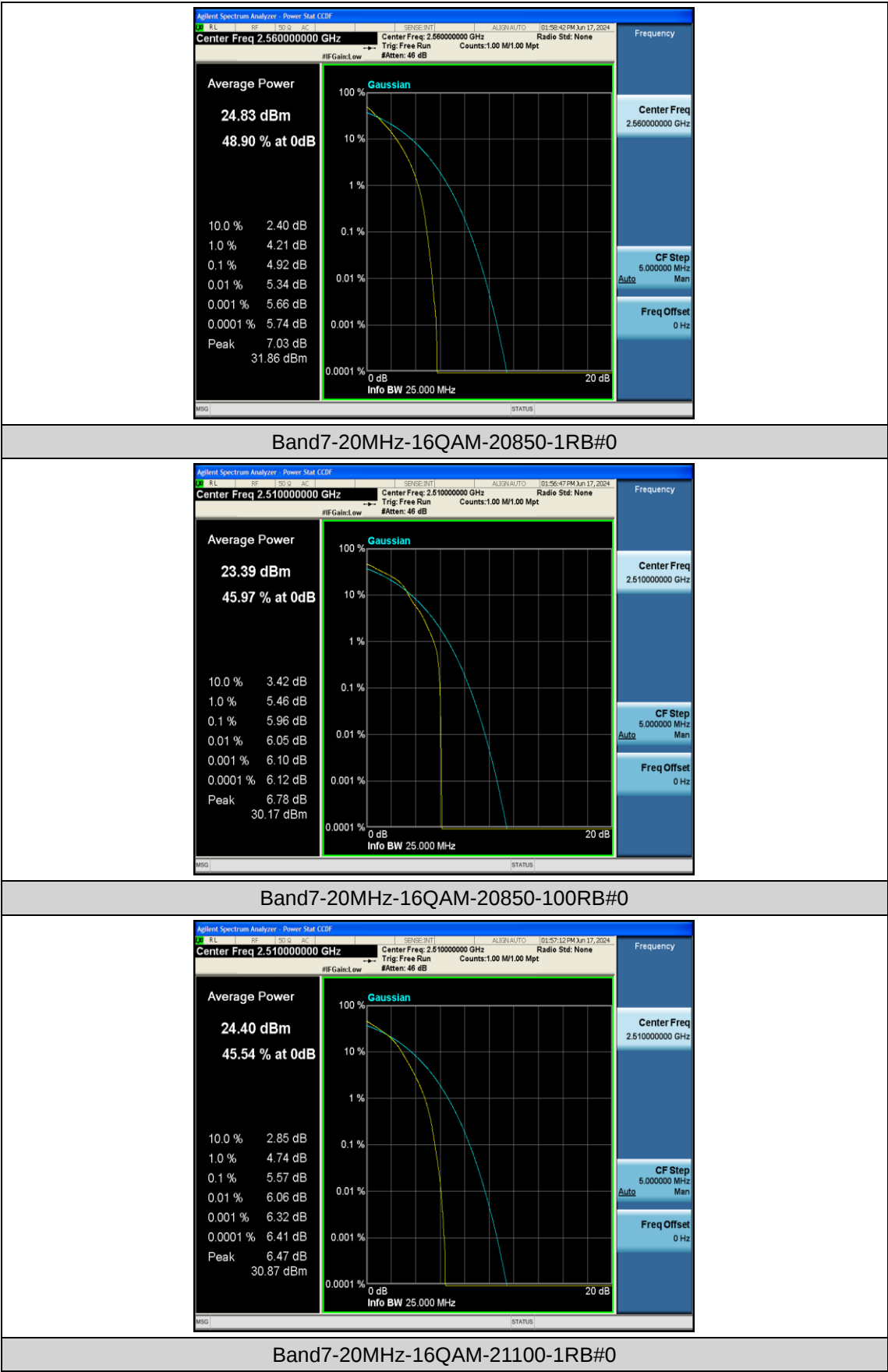


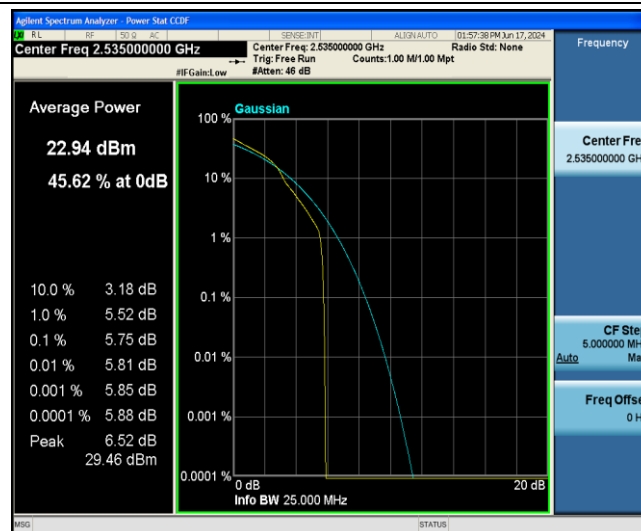
Band7-20MHz-QPSK-20850-100RB#0



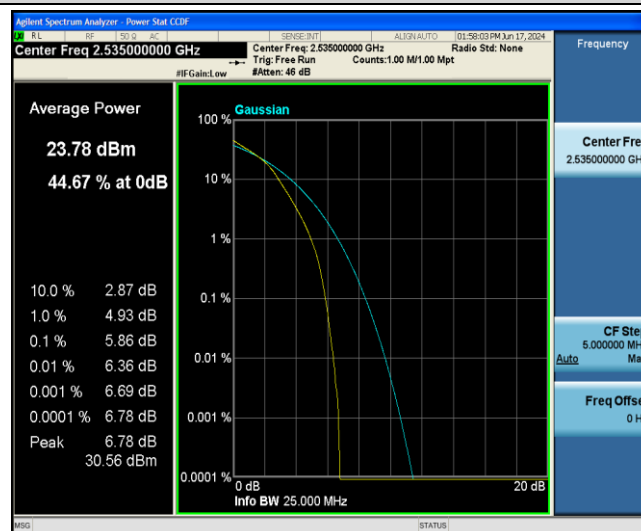
Band7-20MHz-QPSK-21100-1RB#0



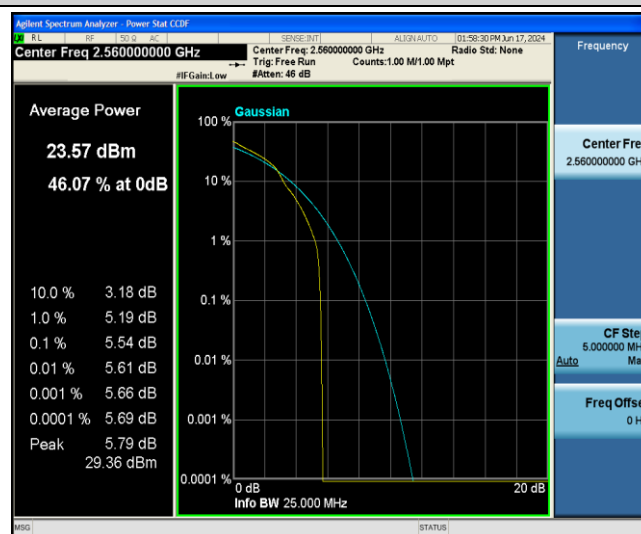




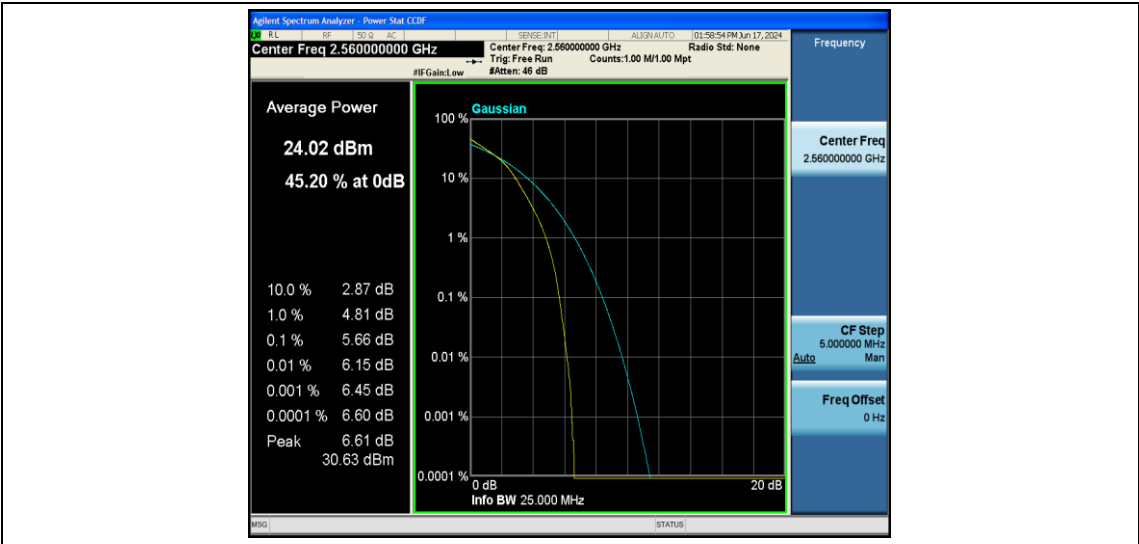
Band7-20MHz-16QAM-21100-100RB#0



Band7-20MHz-16QAM-21350-1RB#0



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



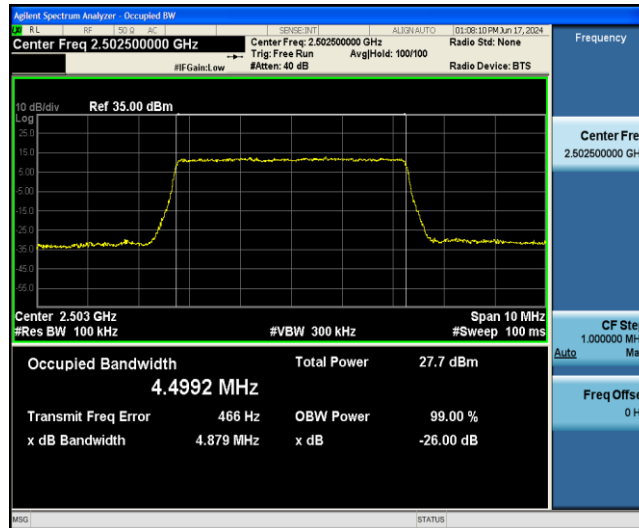
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

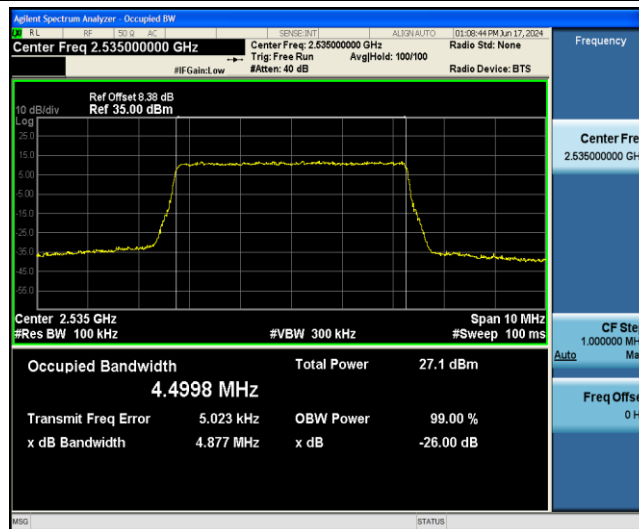
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.4992	4.879	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4998	4.877	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.4992	4.941	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4984	4.849	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.4989	4.905	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5027	4.894	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9579	9.563	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9703	9.543	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9542	9.550	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9452	9.532	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9606	9.514	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9476	9.519	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.436	14.29	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.445	14.27	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.447	14.29	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.420	14.25	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.443	14.26	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.425	14.27	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.873	18.92	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.909	18.99	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.898	18.96	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.875	18.93	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.910	18.95	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.891	18.95	PASS

Test Graphs

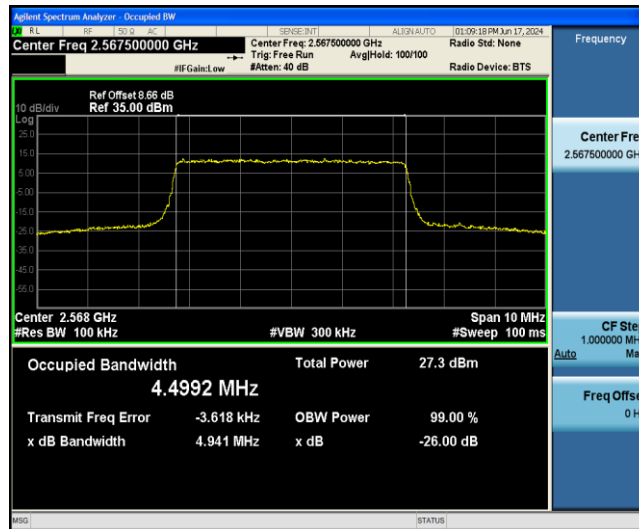
Band7-5MHz-QPSK-20775-25RB#0



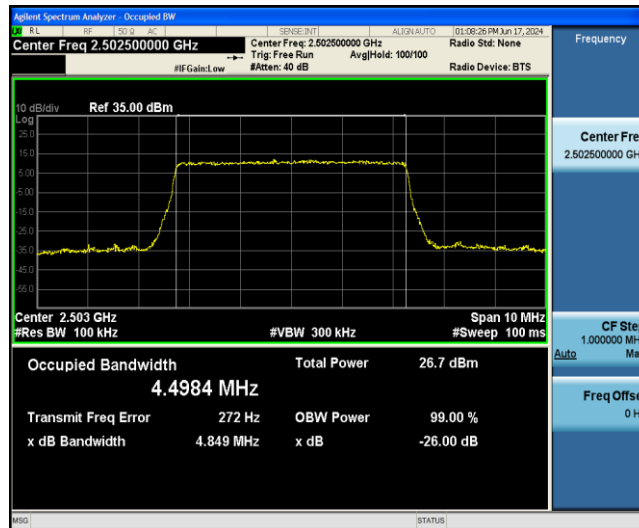
Band7-5MHz-QPSK-21100-25RB#0



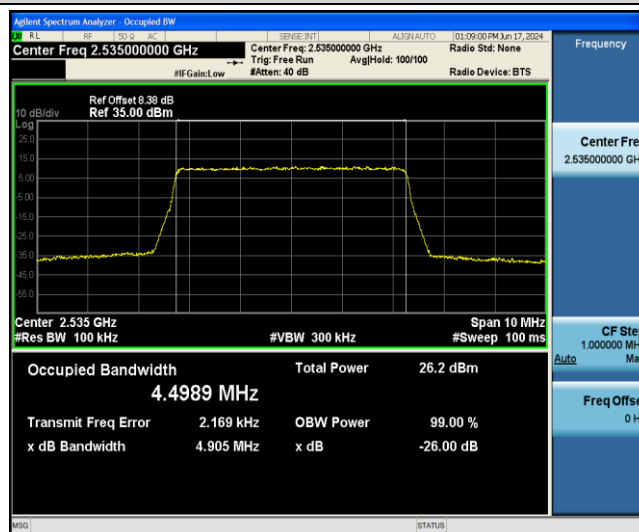
Band7-5MHz-QPSK-21425-25RB#0



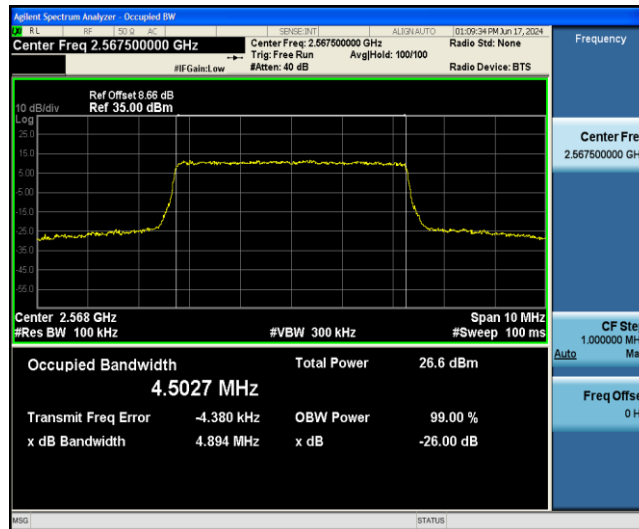
Band7-5MHz-16QAM-20775-25RB#0



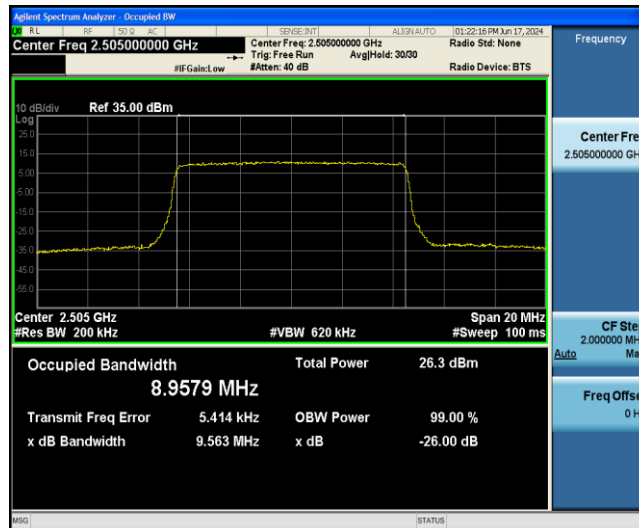
Band7-5MHz-16QAM-21100-25RB#0



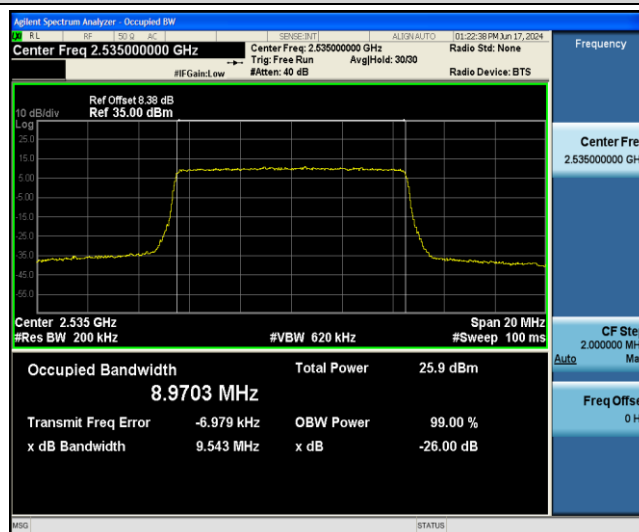
Band7-5MHz-16QAM-21425-25RB#0



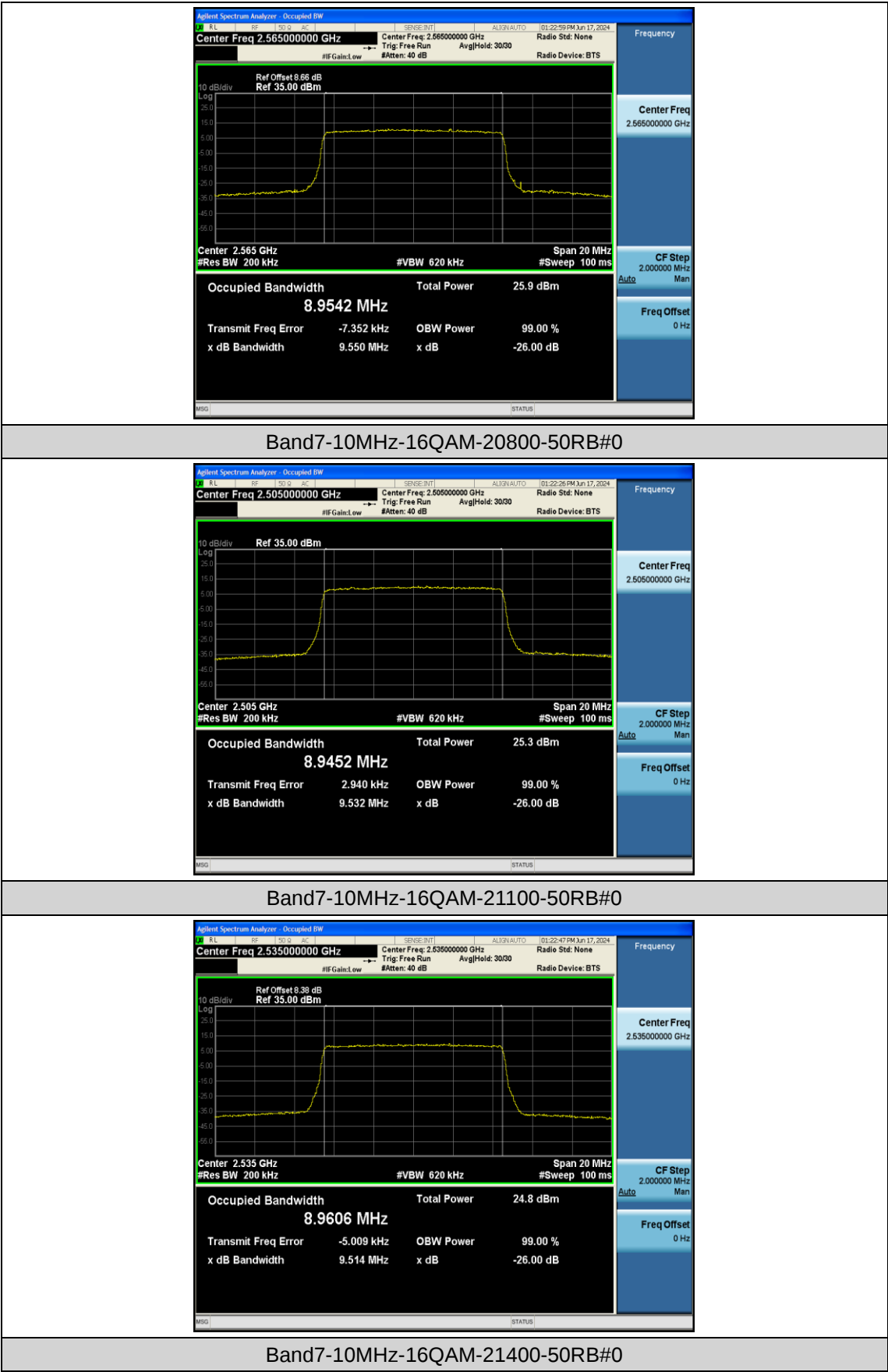
Band7-10MHz-QPSK-20800-50RB#0

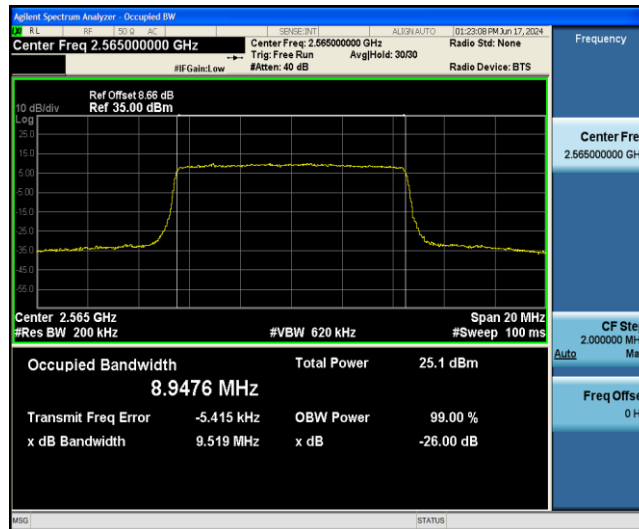


Band7-10MHz-QPSK-21100-50RB#0

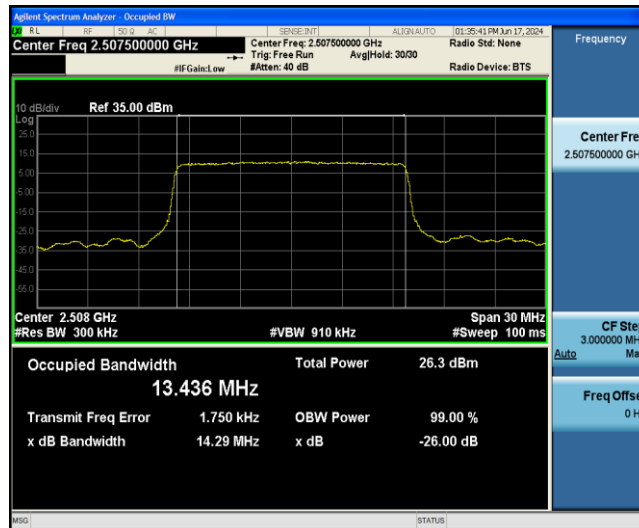


Band7-10MHz-QPSK-21400-50RB#0

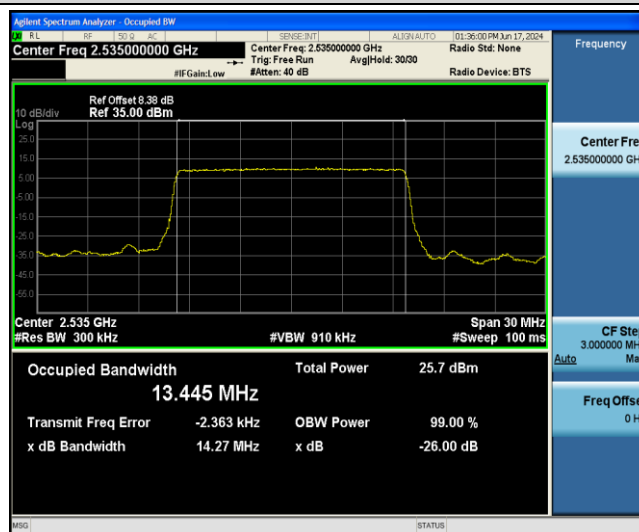




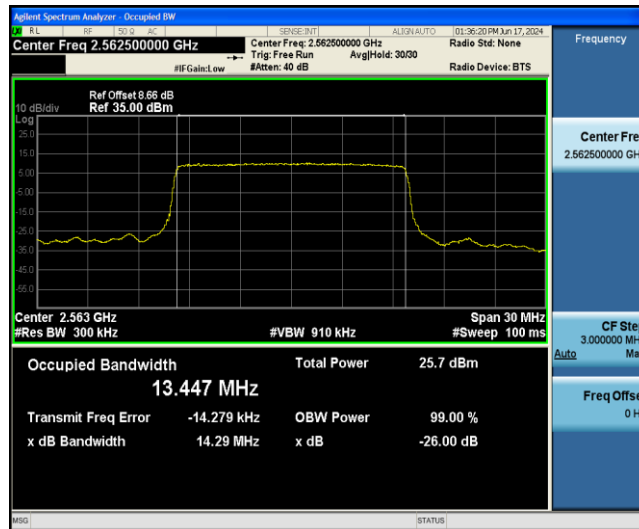
Band7-15MHz-QPSK-20825-75RB#0



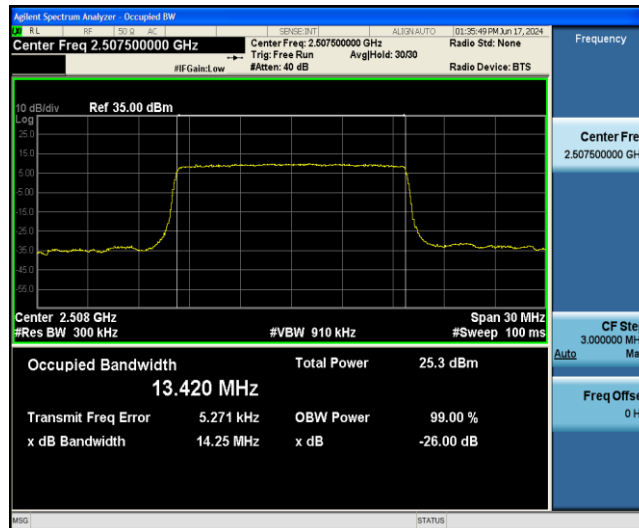
Band7-15MHz-QPSK-21100-75RB#0



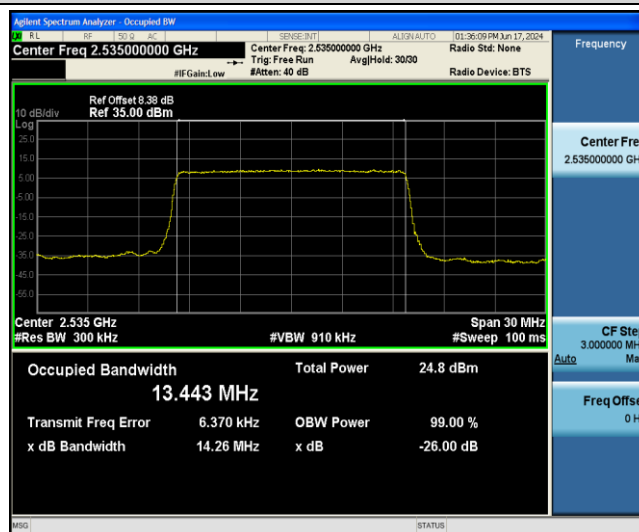
Band7-15MHz-QPSK-21375-75RB#0



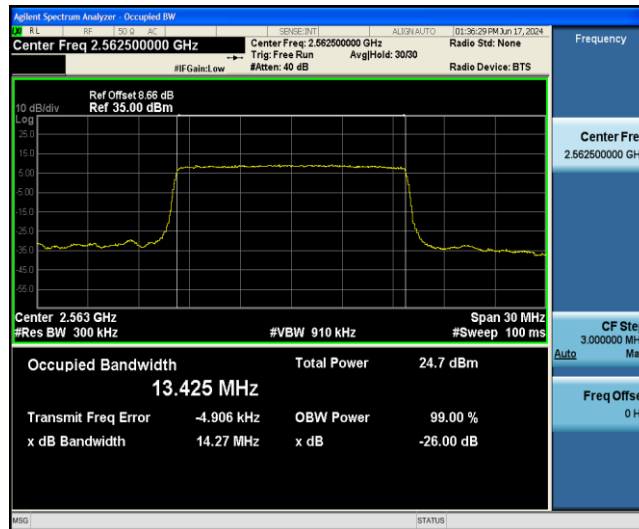
Band7-15MHz-16QAM-20825-75RB#0



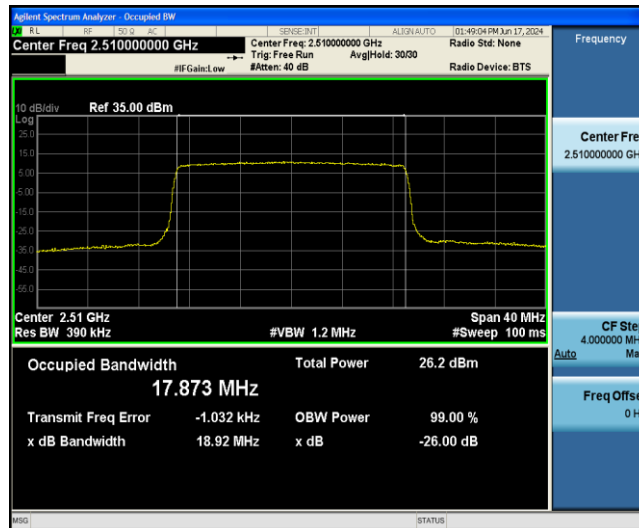
Band7-15MHz-16QAM-21100-75RB#0



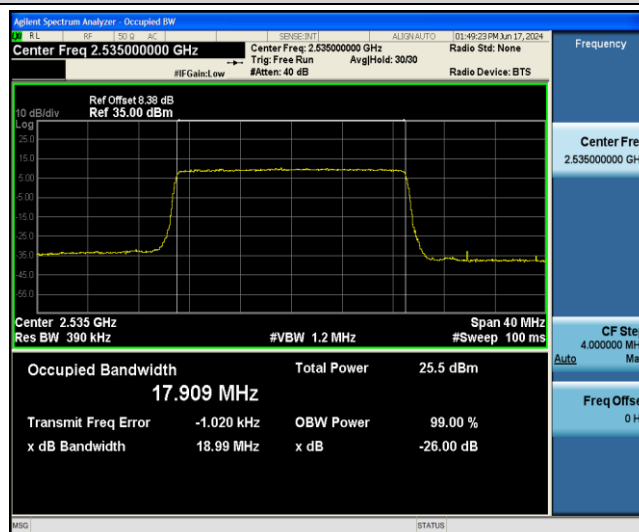
Band7-15MHz-16QAM-21375-75RB#0



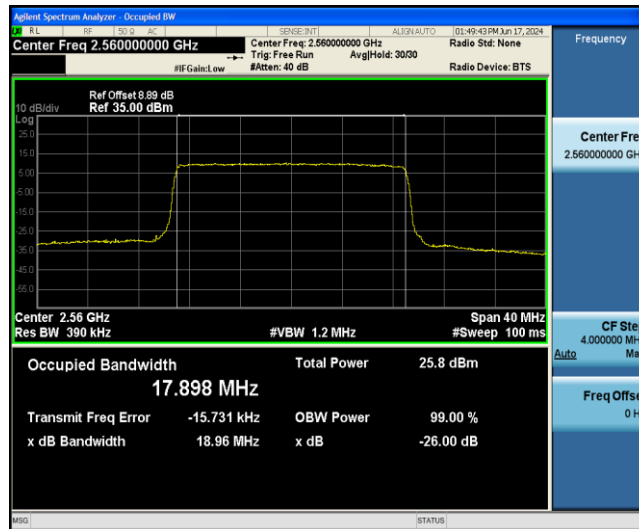
Band7-20MHz-QPSK-20850-100RB#0



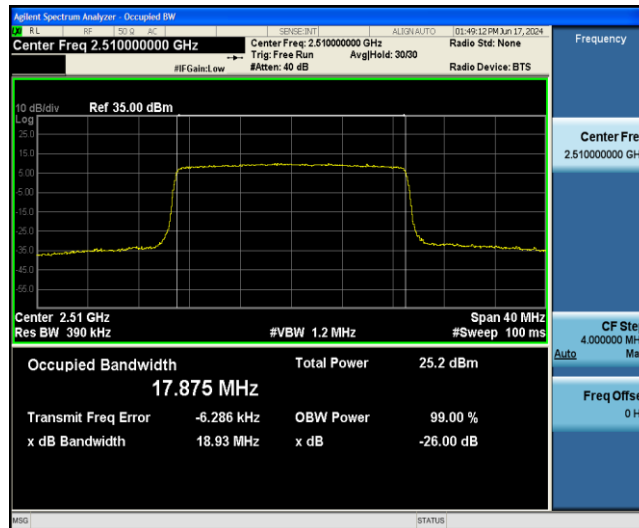
Band7-20MHz-QPSK-21100-100RB#0



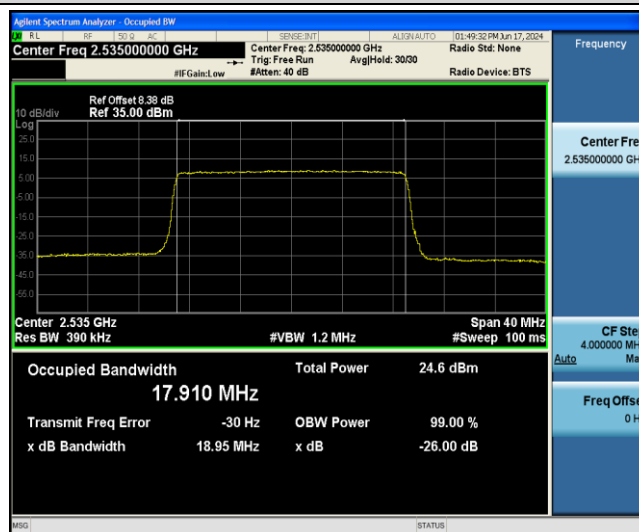
Band7-20MHz-QPSK-21350-100RB#0



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



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



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



Appendix D: Band Edge

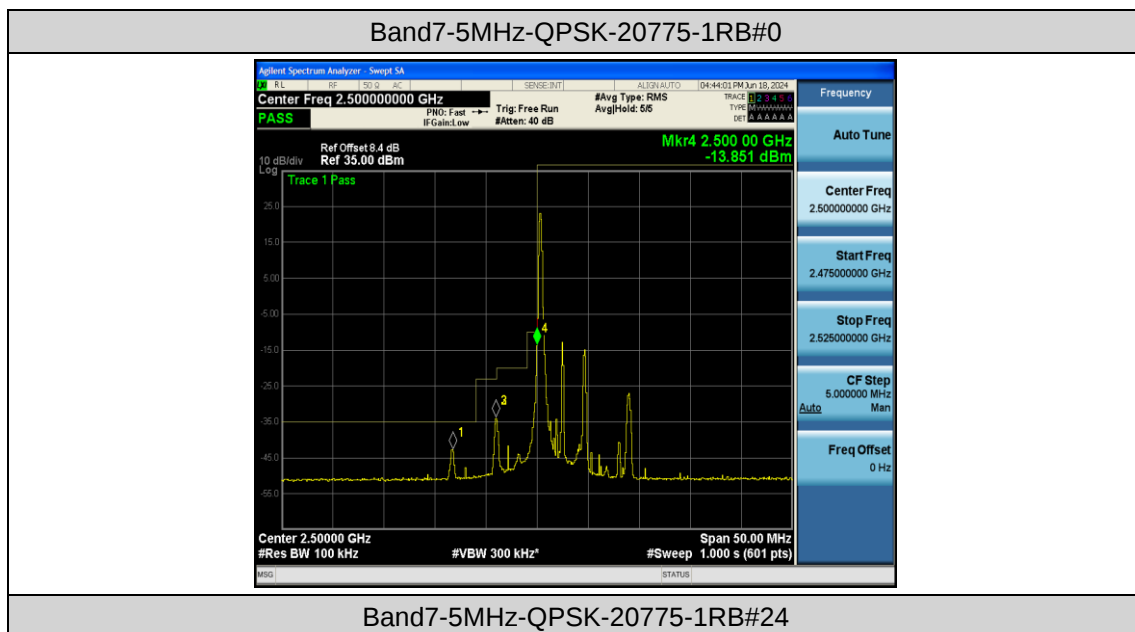
Test Result

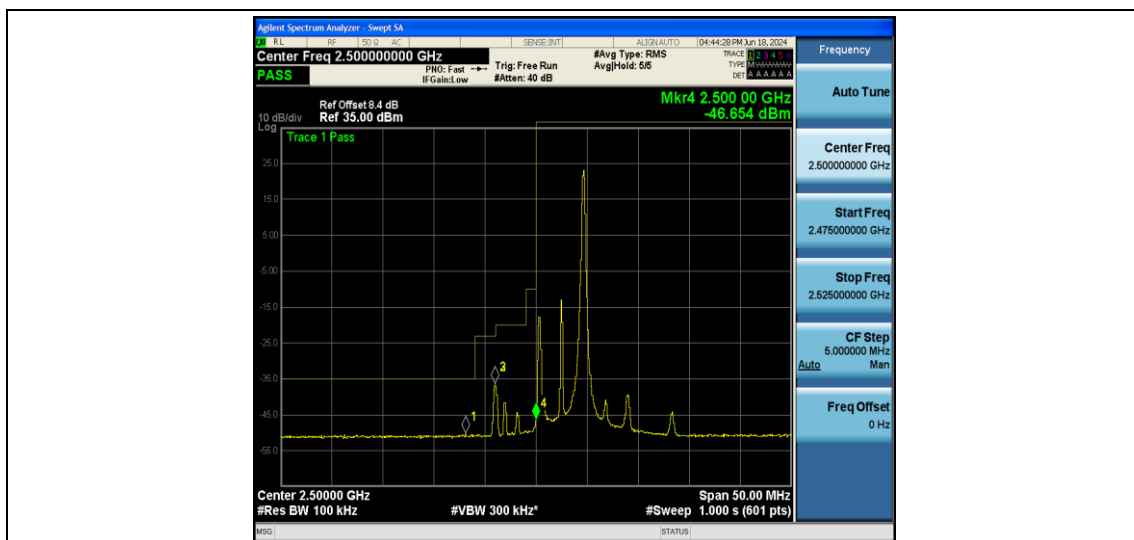
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band 7	5MHz	QPSK	20775	1RB#0	-42.81,-34.02,-34.02,-13.85	PASS
Band 7	5MHz	QPSK	20775	1RB#24	-50.43,-36.68,-36.68,-46.65	PASS
Band 7	5MHz	QPSK	20775	25RB#0	-42.76,-39.41,-36.20,-21.97	PASS
Band 7	5MHz	QPSK	21425	1RB#0	-45.32,-29.28,-48.97,-49.44	PASS
Band 7	5MHz	QPSK	21425	1RB#24	-13.84,-36.24,-47.32,-47.66	PASS
Band 7	5MHz	QPSK	21425	25RB#0	-20.10,-25.55,-41.25,-44.66	PASS
Band 7	5MHz	16QAM	20775	1RB#0	-44.68,-35.86,-35.86,-13.95	PASS
Band 7	5MHz	16QAM	20775	1RB#24	-50.63,-38.31,-38.31,-47.19	PASS
Band 7	5MHz	16QAM	20775	25RB#0	-44.54,-40.82,-37.41,-23.53	PASS
Band 7	5MHz	16QAM	21425	1RB#0	-47.04,-30.75,-49.95,-49.69	PASS
Band 7	5MHz	16QAM	21425	1RB#24	-14.82,-38.76,-48.66,-48.80	PASS
Band 7	5MHz	16QAM	21425	25RB#0	-21.59,-28.07,-43.30,-45.61	PASS
Band 7	10MHz	QPSK	20800	1RB#0	-39.24,-33.40,-24.84,-18.36	PASS
Band 7	10MHz	QPSK	20800	1RB#49	-46.21,-28.11,-41.02,-42.91	PASS
Band 7	10MHz	QPSK	20800	50RB#0	-39.63,-33.94,-31.51,-22.61	PASS
Band 7	10MHz	QPSK	21400	1RB#0	-37.43,-39.59,-36.25,-45.58	PASS
Band 7	10MHz	QPSK	21400	1RB#49	-17.05,-25.70,-37.89,-43.33	PASS
Band 7	10MHz	QPSK	21400	50RB#0	-24.50,-29.47,-33.72,-41.8	PASS

7					0	
Band 7	10MHz	16QAM	20800	1RB#0	-39.78,-34.69,-29.30,-18.77	PASS
Band 7	10MHz	16QAM	20800	1RB#49	-45.31,-27.44,-40.19,-42.92	PASS
Band 7	10MHz	16QAM	20800	50RB#0	-41.26,-36.07,-33.52,-25.78	PASS
Band 7	10MHz	16QAM	21400	1RB#0	-40.42,-40.94,-36.86,-45.68	PASS
Band 7	10MHz	16QAM	21400	1RB#49	-16.75,-26.34,-39.18,-43.43	PASS
Band 7	10MHz	16QAM	21400	50RB#0	-24.63,-31.70,-36.52,-42.96	PASS
Band 7	15MHz	QPSK	20825	1RB#0	-40.87,-43.51,-38.14,-25.96	PASS
Band 7	15MHz	QPSK	20825	1RB#74	-36.24,-43.86,-46.11,-45.95	PASS
Band 7	15MHz	QPSK	20825	75RB#0	-43.35,-40.92,-39.93,-32.68	PASS
Band 7	15MHz	QPSK	21375	1RB#0	-44.98,-45.19,-41.10,-45.30	PASS
Band 7	15MHz	QPSK	21375	1RB#74	-25.91,-37.66,-42.53,-45.41	PASS
Band 7	15MHz	QPSK	21375	75RB#0	-30.23,-35.78,-37.32,-44.76	PASS
Band 7	15MHz	16QAM	20825	1RB#0	-41.22,-45.10,-44.46,-26.35	PASS
Band 7	15MHz	16QAM	20825	1RB#74	-37.91,-44.67,-46.10,-45.92	PASS
Band 7	15MHz	16QAM	20825	75RB#0	-43.96,-42.75,-41.85,-35.86	PASS
Band 7	15MHz	16QAM	21375	1RB#0	-45.16,-45.43,-41.93,-45.34	PASS
Band 7	15MHz	16QAM	21375	1RB#74	-26.49,-39.67,-43.41,-45.42	PASS
Band 7	15MHz	16QAM	21375	75RB#0	-33.92,-38.18,-39.75,-44.87	PASS
Band 7	20MHz	QPSK	20850	1RB#0	-36.48,-31.55,-22.92,-17.15	PASS
Band 7	20MHz	QPSK	20850	1RB#99	-35.47,-40.21,-41.00,-41.00	PASS
Band 7	20MHz	QPSK	20850	100RB#0	-34.86,-32.02,-31.21,-27.11	PASS

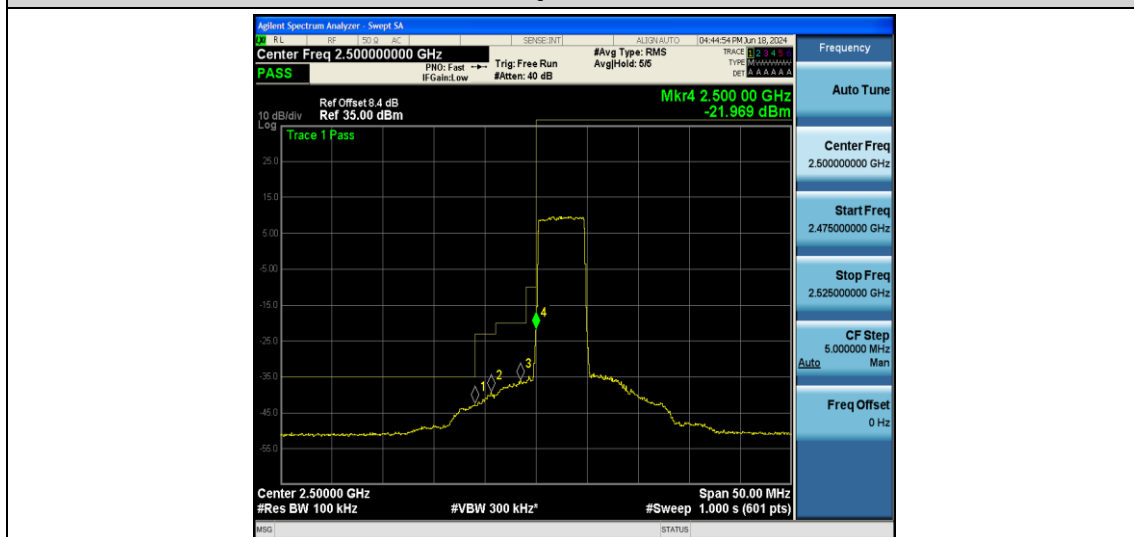
Band 7	20MHz	QPSK	21350	1RB#0	-39.88,-39.17,-37.27,-43.3 5	PASS
Band 7	20MHz	QPSK	21350	1RB#99	-18.35,-24.29,-34.18,-43.2 1	PASS
Band 7	20MHz	QPSK	21350	100RB#0	-27.71,-32.07,-34.42,-43.2 1	PASS
Band 7	20MHz	16QAM	20850	1RB#0	-35.64,-33.30,-21.03,-21.7 1	PASS
Band 7	20MHz	16QAM	20850	1RB#99	-36.45,-40.41,-42.03,-41.5 9	PASS
Band 7	20MHz	16QAM	20850	100RB#0	-36.90,-33.63,-32.03,-28.8 4	PASS
Band 7	20MHz	16QAM	21350	1RB#0	-43.31,-41.33,-37.94,-43.0 0	PASS
Band 7	20MHz	16QAM	21350	1RB#99	-21.48,-34.85,-40.61,-43.0 6	PASS
Band 7	20MHz	16QAM	21350	100RB#0	-28.50,-33.54,-36.04,-43.1 9	PASS

Test Graphs

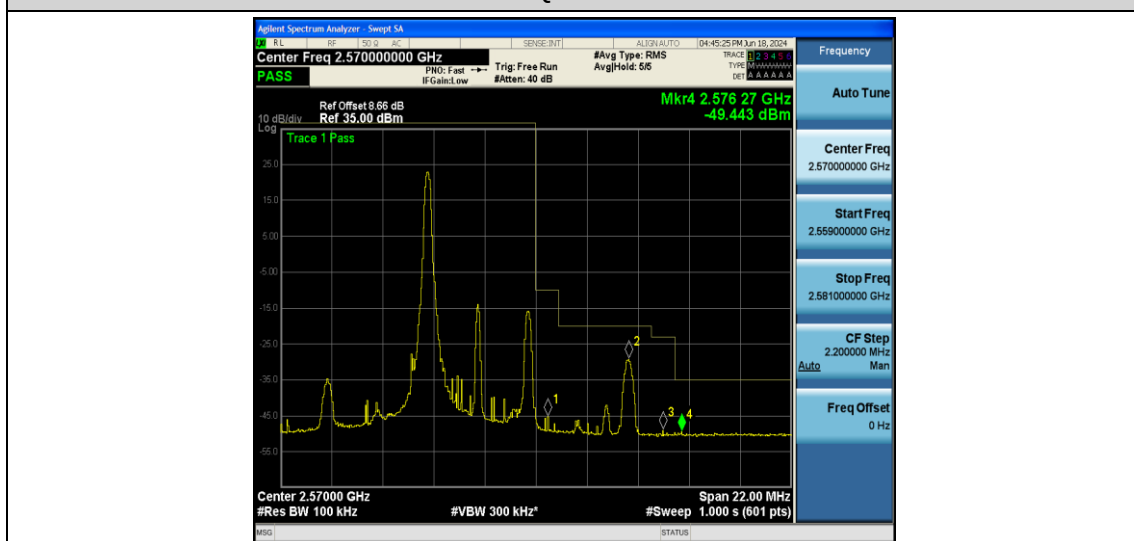




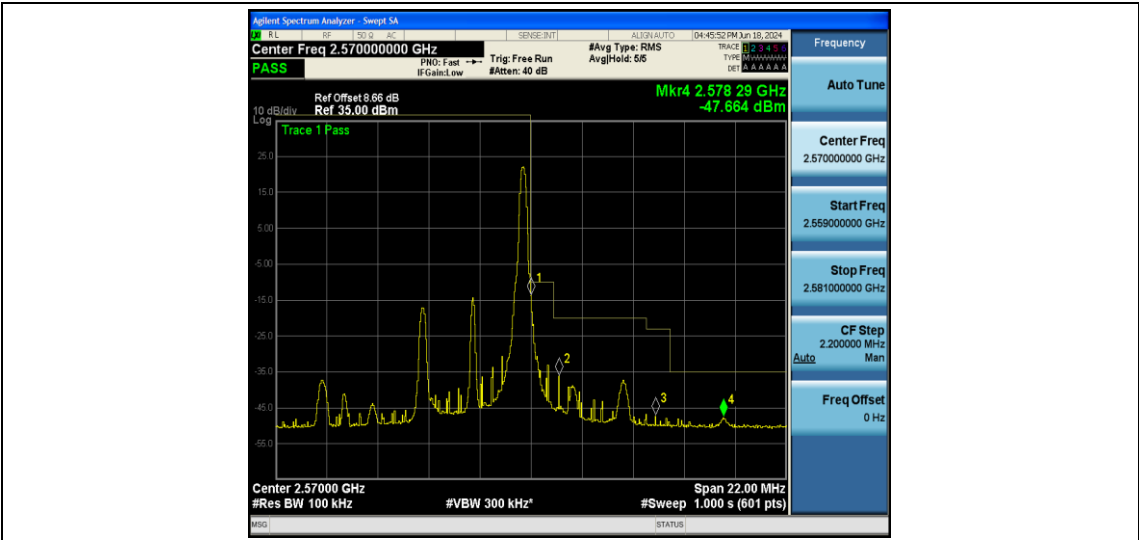
Band7-5MHz-QPSK-20775-25RB#0



Band7-5MHz-QPSK-21425-1RB#0



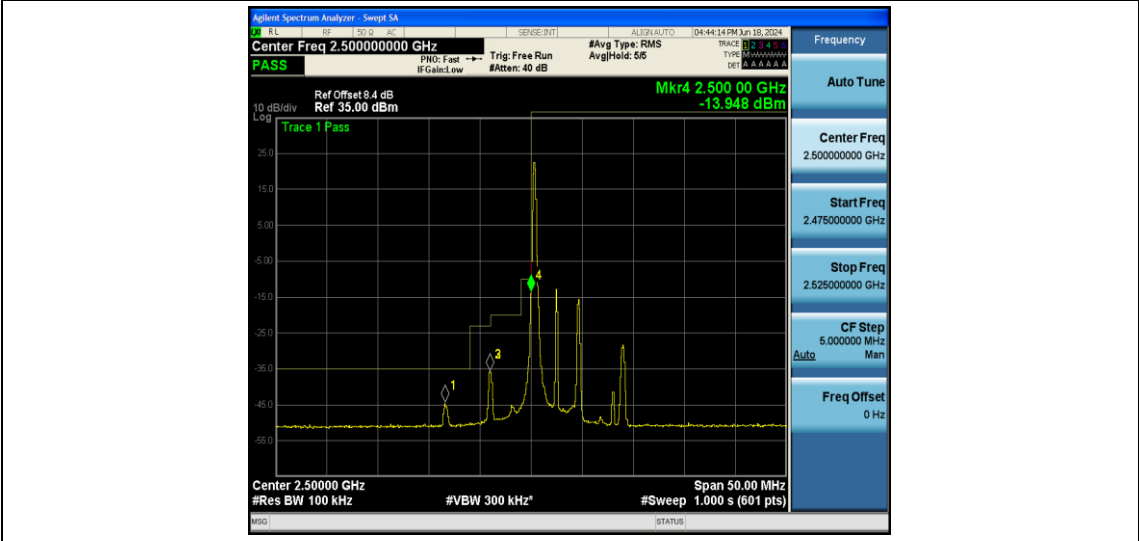
Band7-5MHz-QPSK-21425-1RB#24



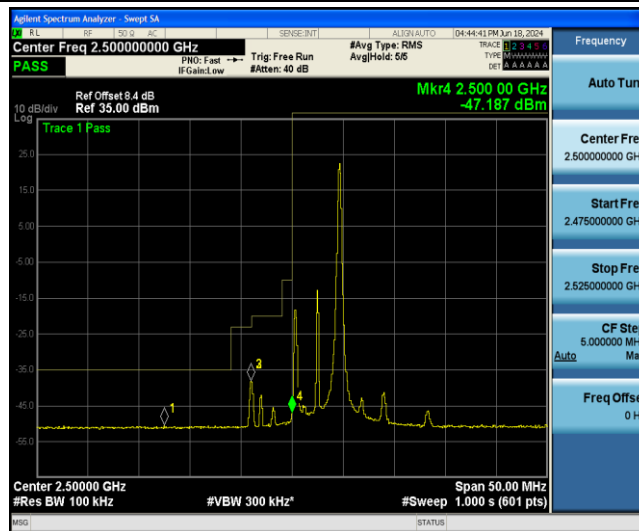
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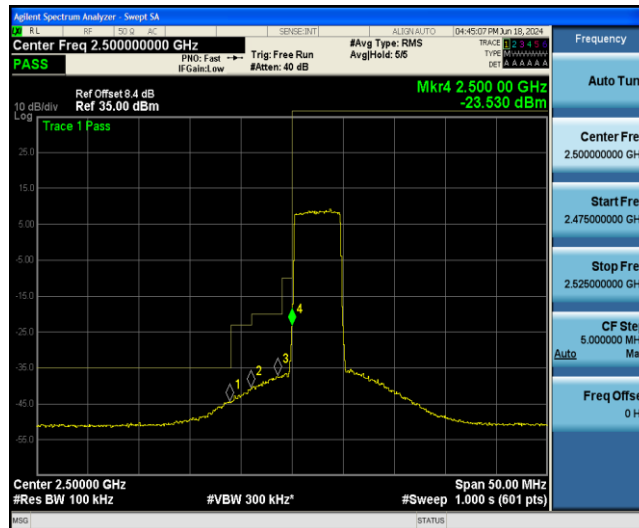
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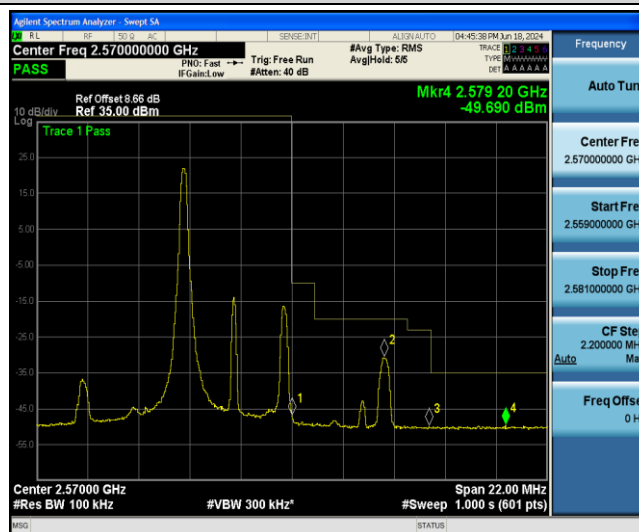
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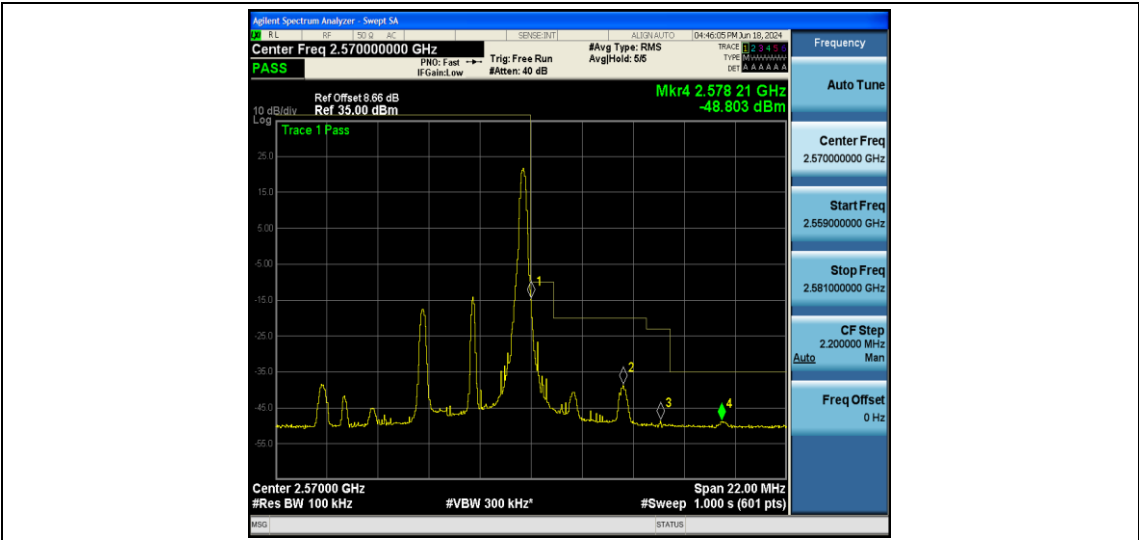
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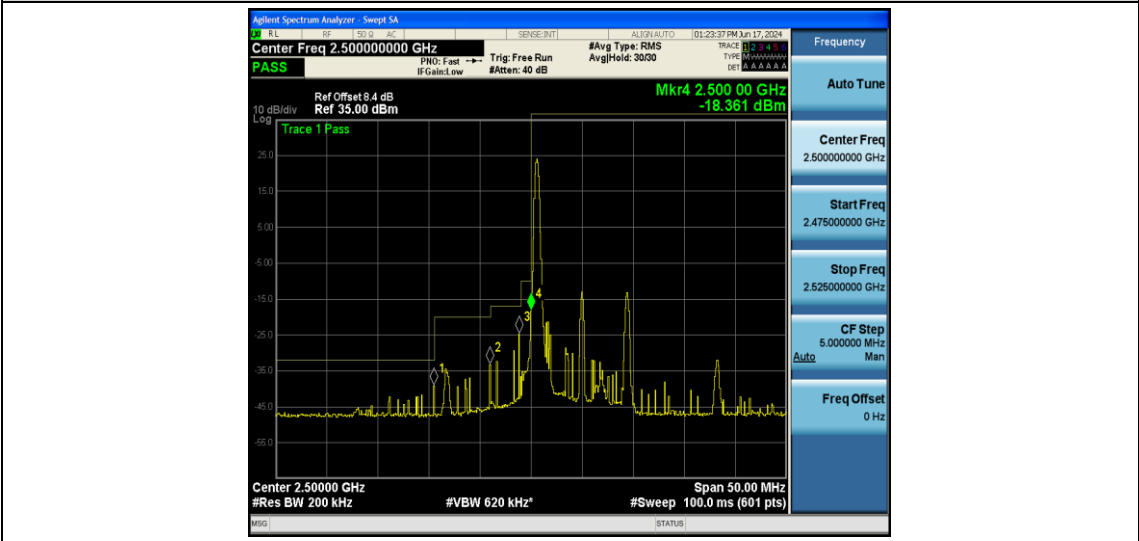
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Band7-5MHz-16QAM-21425-25RB#0



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



Band7-10MHz-QPSK-20800-1RB#49