Appendix M: Test Data for E-UTRA Band 41

Product Name: Smart Phone

Test Model: HPPH88C

Environmental Conditions

Temperature:	24.2°C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng

M.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	20.79	PASS
Band41	5MHz	16QAM	39675	1RB#0	20.56	PASS
Band41	5MHz	QPSK	39675	1RB#12	20.83	PASS
Band41	5MHz	16QAM	39675	1RB#12	20.93	PASS
Band41	5MHz	QPSK	39675	1RB#24	21.14	PASS
Band41	5MHz	16QAM	39675	1RB#24	20.66	PASS
Band41	5MHz	QPSK	39675	12RB#0	20.33	PASS
Band41	5MHz	16QAM	39675	12RB#0	19.63	PASS
Band41	5MHz	QPSK	39675	12RB#6	20.35	PASS
Band41	5MHz	16QAM	39675	12RB#6	19.65	PASS
Band41	5MHz	QPSK	39675	12RB#13	20.37	PASS
Band41	5MHz	16QAM	39675	12RB#13	19.63	PASS
Band41	5MHz	QPSK	39675	25RB#0	20.34	PASS
Band41	5MHz	16QAM	39675	25RB#0	19.54	PASS
Band41	5MHz	QPSK	40620	1RB#0	21.40	PASS
Band41	5MHz	16QAM	40620	1RB#0	21.04	PASS
Band41	5MHz	QPSK	40620	1RB#12	21.51	PASS
Band41	5MHz	16QAM	40620	1RB#12	21.94	PASS
Band41	5MHz	QPSK	40620	1RB#24	21.74	PASS
Band41	5MHz	16QAM	40620	1RB#24	21.69	PASS
Band41	5MHz	QPSK	40620	12RB#0	20.84	PASS
Band41	5MHz	16QAM	40620	12RB#0	19.97	PASS
Band41	5MHz	QPSK	40620	12RB#6	20.86	PASS
Band41	5MHz	16QAM	40620	12RB#6	19.95	PASS
Band41	5MHz	QPSK	40620	12RB#13	20.93	PASS
Band41	5MHz	16QAM	40620	12RB#13	20.01	PASS
Band41	5MHz	QPSK	40620	25RB#0	20.92	PASS
Band41	5MHz	16QAM	40620	25RB#0	20.06	PASS
Band41	5MHz	QPSK	41565	1RB#0	21.51	PASS
Band41	5MHz	16QAM	41565	1RB#0	21.02	PASS
Band41	5MHz	QPSK	41565	1RB#12	21.48	PASS
Band41	5MHz	16QAM	41565	1RB#12	21.23	PASS
Band41	5MHz	QPSK	41565	1RB#24	21.50	PASS
Band41	5MHz	16QAM	41565	1RB#24	20.89	PASS
Band41	5MHz	QPSK	41565	12RB#0	20.55	PASS

Band41	5MHz	16QAM	41565	12RB#0	19.81	PASS
Band41	5MHz	QPSK	41565	12RB#6	20.56	PASS
Band41	5MHz	16QAM	41565	12RB#6	19.77	PASS
Band41	5MHz	QPSK	41565	12RB#13	20.63	PASS
Band41	5MHz	16QAM	41565	12RB#13	19.86	PASS
Band41	5MHz	QPSK	41565	25RB#0	20.55	PASS
Band41	5MHz	16QAM	41565	25RB#0	19.82	PASS
Band41	10MHz	QPSK	39700	1RB#0	21.90	PASS
Band41	10MHz	16QAM	39700	1RB#0	21.62	PASS
Band41	10MHz	QPSK	39700	1RB#24	21.97	PASS
Band41	10MHz	16QAM	39700	1RB#24	21.66	PASS
Band41	10MHz	QPSK	39700	1RB#49	22.22	PASS
Band41	10MHz	16QAM	39700	1RB#49	21.97	PASS
Band41	10MHz	QPSK	39700	25RB#0	20.93	PASS
Band41	10MHz	16QAM	39700	25RB#0	20.16	PASS
Band41	10MHz	QPSK	39700	25RB#12	20.94	PASS
Band41	10MHz	16QAM	39700	25RB#12	20.16	PASS
Band41	10MHz	QPSK	39700	25RB#25	21.12	PASS
Band41	10MHz	16QAM	39700	25RB#25	20.34	PASS
Band41	10MHz	QPSK	39700	50RB#0	21.05	PASS
Band41	10MHz	16QAM	39700	50RB#0	20.26	PASS
Band41	10MHz	QPSK	40620	1RB#0	21.70	PASS
Band41	10MHz	16QAM	40620	1RB#0	21.42	PASS
Band41	10MHz	QPSK	40620	1RB#24	21.78	PASS
Band41	10MHz	16QAM	40620	1RB#24	21.42	PASS
Band41	10MHz	QPSK	40620	1RB#49	21.96	PASS
Band41	10MHz	16QAM	40620	1RB#49	21.46	PASS
Band41	10MHz	QPSK	40620	25RB#0	20.72	PASS
Band41	10MHz	16QAM	40620	25RB#0	19.92	PASS
Band41	10MHz	QPSK	40620	25RB#12	20.73	PASS
Band41	10MHz	16QAM	40620	25RB#12	19.92	PASS
Band41	10MHz	QPSK	40620	25RB#25	20.88	PASS
Band41	10MHz	16QAM	40620	25RB#25	20.06	PASS
Band41	10MHz	QPSK	40620	50RB#0	20.73	PASS
Band41	10MHz	16QAM	40620	50RB#0	20.02	PASS
Band41	10MHz	QPSK	41540	1RB#0	21.87	PASS
Band41	10MHz	16QAM	41540	1RB#0	21.48	PASS
Band41	10MHz	QPSK	41540	1RB#24	21.76	PASS
Band41	10MHz	16QAM	41540	1RB#24	21.45	PASS
Band41	10MHz	QPSK	41540	1RB#49	21.80	PASS

Band41	10MHz	16QAM	41540	1RB#49	21.30	PASS
Band41	10MHz	QPSK	41540	25RB#0	20.73	PASS
Band41	10MHz	16QAM	41540	25RB#0	19.89	PASS
Band41	10MHz	QPSK	41540	25RB#12	20.74	PASS
Band41	10MHz	16QAM	41540	25RB#12	19.87	PASS
Band41	10MHz	QPSK	41540	25RB#25	20.75	PASS
Band41	10MHz	16QAM	41540	25RB#25	19.87	PASS
Band41	10MHz	QPSK	41540	50RB#0	20.75	PASS
Band41	10MHz	16QAM	41540	50RB#0	19.94	PASS
Band41	15MHz	QPSK	39725	1RB#0	21.47	PASS
Band41	15MHz	16QAM	39725	1RB#0	20.86	PASS
Band41	15MHz	QPSK	39725	1RB#38	21.67	PASS
Band41	15MHz	16QAM	39725	1RB#38	20.95	PASS
Band41	15MHz	QPSK	39725	1RB#74	22.09	PASS
Band41	15MHz	16QAM	39725	1RB#74	21.51	PASS
Band41	15MHz	QPSK	39725	38RB#0	20.81	PASS
Band41	15MHz	16QAM	39725	38RB#0	20.80	PASS
Band41	15MHz	QPSK	39725	38RB#18	20.80	PASS
Band41	15MHz	16QAM	39725	38RB#18	20.79	PASS
Band41	15MHz	QPSK	39725	38RB#37	21.25	PASS
Band41	15MHz	16QAM	39725	38RB#37	21.24	PASS
Band41	15MHz	QPSK	39725	75RB#0	21.24	PASS
Band41	15MHz	16QAM	39725	75RB#0	20.39	PASS
Band41	15MHz	QPSK	40620	1RB#0	21.71	PASS
Band41	15MHz	16QAM	40620	1RB#0	21.32	PASS
Band41	15MHz	QPSK	40620	1RB#38	21.78	PASS
Band41	15MHz	16QAM	40620	1RB#38	21.42	PASS
Band41	15MHz	QPSK	40620	1RB#74	22.03	PASS
Band41	15MHz	16QAM	40620	1RB#74	21.58	PASS
Band41	15MHz	QPSK	40620	38RB#0	20.75	PASS
Band41	15MHz	16QAM	40620	38RB#0	20.76	PASS
Band41	15MHz	QPSK	40620	38RB#18	20.76	PASS
Band41	15MHz	16QAM	40620	38RB#18	20.76	PASS
Band41	15MHz	QPSK	40620	38RB#37	20.76	PASS
Band41	15MHz	16QAM	40620	38RB#37	20.76	PASS
Band41	15MHz	QPSK	40620	75RB#0	20.76	PASS
Band41	15MHz	16QAM	40620	75RB#0	20.07	PASS
Band41	15MHz	QPSK	41515	1RB#0	21.82	PASS
Band41	15MHz	16QAM	41515	1RB#0	21.46	PASS
Band41	15MHz	QPSK	41515	1RB#38	21.77	PASS

Band41	15MHz	16QAM	41515	1RB#38	21.41	PASS
Band41	15MHz	QPSK	41515	1RB#74	21.67	PASS
Band41	15MHz	16QAM	41515	1RB#74	21.27	PASS
Band41	15MHz	QPSK	41515	38RB#0	20.77	PASS
Band41	15MHz	16QAM	41515	38RB#0	20.78	PASS
Band41	15MHz	QPSK	41515	38RB#18	20.78	PASS
Band41	15MHz	16QAM	41515	38RB#18	20.78	PASS
Band41	15MHz	QPSK	41515	38RB#37	20.78	PASS
Band41	15MHz	16QAM	41515	38RB#37	20.78	PASS
Band41	15MHz	QPSK	41515	75RB#0	20.78	PASS
Band41	15MHz	16QAM	41515	75RB#0	20.00	PASS
Band41	20MHz	QPSK	39750	1RB#0	21.56	PASS
Band41	20MHz	16QAM	39750	1RB#0	21.04	PASS
Band41	20MHz	QPSK	39750	1RB#49	21.89	PASS
Band41	20MHz	16QAM	39750	1RB#49	21.27	PASS
Band41	20MHz	QPSK	39750	1RB#99	22.32	PASS
Band41	20MHz	16QAM	39750	1RB#99	21.98	PASS
Band41	20MHz	QPSK	39750	50RB#0	20.66	PASS
Band41	20MHz	16QAM	39750	50RB#0	20.09	PASS
Band41	20MHz	QPSK	39750	50RB#25	20.66	PASS
Band41	20MHz	16QAM	39750	50RB#25	20.08	PASS
Band41	20MHz	QPSK	39750	50RB#50	21.29	PASS
Band41	20MHz	16QAM	39750	50RB#50	20.56	PASS
Band41	20MHz	QPSK	39750	100RB#0	20.94	PASS
Band41	20MHz	16QAM	39750	100RB#0	20.33	PASS
Band41	20MHz	QPSK	40620	1RB#0	21.40	PASS
Band41	20MHz	16QAM	40620	1RB#0	21.12	PASS
Band41	20MHz	QPSK	40620	1RB#49	21.69	PASS
Band41	20MHz	16QAM	40620	1RB#49	21.26	PASS
Band41	20MHz	QPSK	40620	1RB#99	21.76	PASS
Band41	20MHz	16QAM	40620	1RB#99	21.50	PASS
Band41	20MHz	QPSK	40620	50RB#0	20.73	PASS
Band41	20MHz	16QAM	40620	50RB#0	20.08	PASS
Band41	20MHz	QPSK	40620	50RB#25	20.74	PASS
Band41	20MHz	16QAM	40620	50RB#25	20.08	PASS
Band41	20MHz	QPSK	40620	50RB#50	20.97	PASS
Band41	20MHz	16QAM	40620	50RB#50	20.35	PASS
Band41	20MHz	QPSK	40620	100RB#0	20.81	PASS
Band41	20MHz	16QAM	40620	100RB#0	20.06	PASS
Band41	20MHz	QPSK	41490	1RB#0	21.44	PASS

Band41	20MHz	16QAM	41490	1RB#0	21.45	PASS
Band41	20MHz	QPSK	41490	1RB#49	21.41	PASS
Band41	20MHz	16QAM	41490	1RB#49	21.43	PASS
Band41	20MHz	QPSK	41490	1RB#99	21.50	PASS
Band41	20MHz	16QAM	41490	1RB#99	21.47	PASS
Band41	20MHz	QPSK	41490	50RB#0	20.77	PASS
Band41	20MHz	16QAM	41490	50RB#0	20.07	PASS
Band41	20MHz	QPSK	41490	50RB#25	20.75	PASS
Band41	20MHz	16QAM	41490	50RB#25	20.07	PASS
Band41	20MHz	QPSK	41490	50RB#50	20.62	PASS
Band41	20MHz	16QAM	41490	50RB#50	20.07	PASS
Band41	20MHz	QPSK	41490	100RB#0	20.72	PASS
Band41	20MHz	16QAM	41490	100RB#0	19.98	PASS

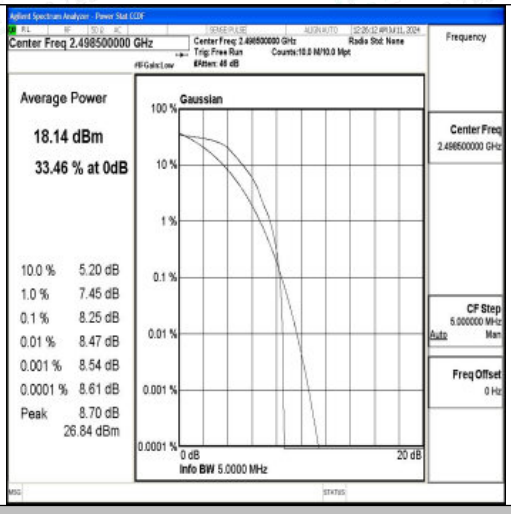
M.2 Peak-to-Average Ratio(CCDF)

Test Result

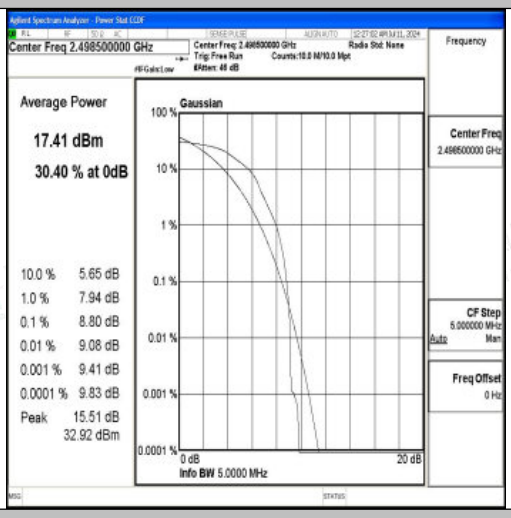
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	8.25	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	8.80	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	8.98	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	9.54	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	8.60	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	9.07	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	8.96	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	9.75	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	8.33	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	8.59	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	9.06	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	9.62	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	7.99	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	8.61	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	9.24	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.59	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	8.47	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	8.93	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	9.18	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.65	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	8.24	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	8.77	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.05	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.67	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	8.22	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	8.51	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	9.40	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	10.06	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	8.58	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	9.20	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	9.44	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	9.60	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	8.18	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	8.83	13	PASS

Band41	15MHz	QPSK	41515	75RB#0	9.23	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	9.65	13	PASS
Band41	20MHz	QPSK	39750	1RB#0	8.10	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	8.64	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	8.95	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.40	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	8.03	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	9.29	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	9.09	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.83	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	7.99	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	8.37	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	9.21	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.65	13	PASS

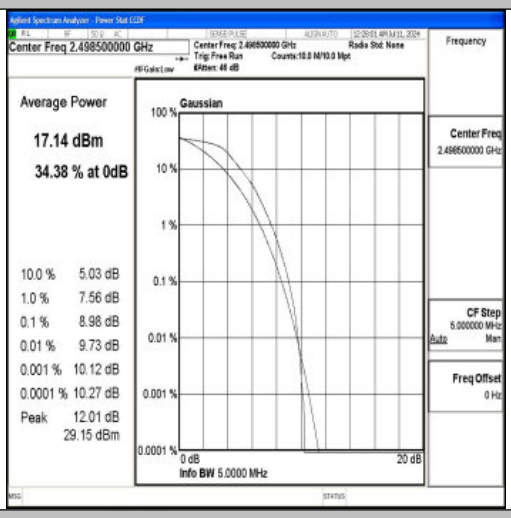
Test Graphs



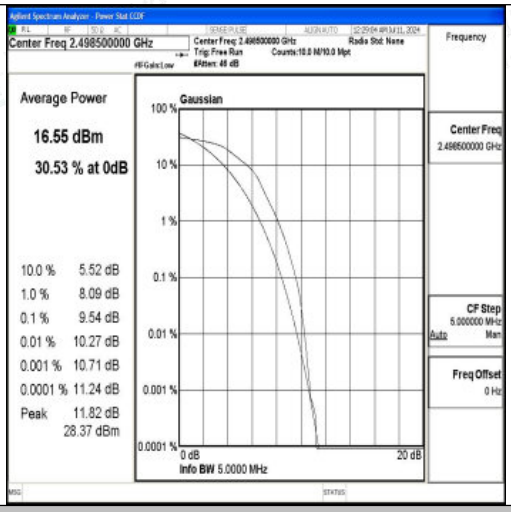
Band41-5MHz-QPSK-39675-1RB#0-PASS



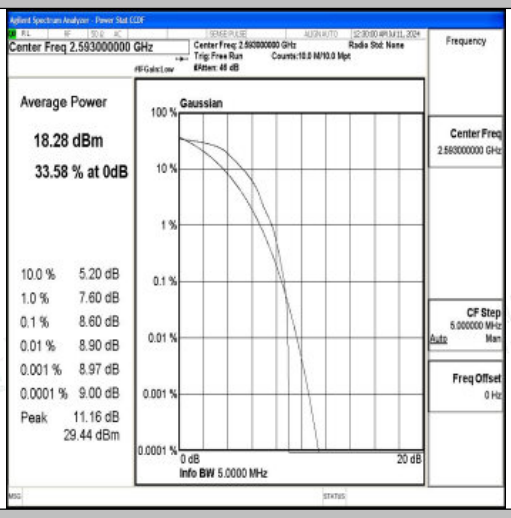
Band41-5MHz-16QAM-39675-1RB#0-PASS



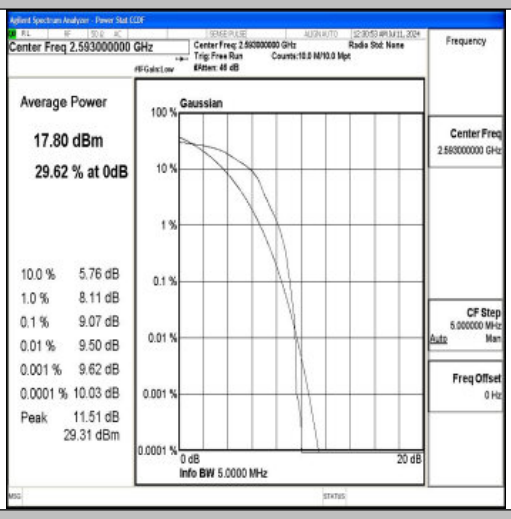
Band41-5MHz-QPSK-39675-25RB#0-PASS



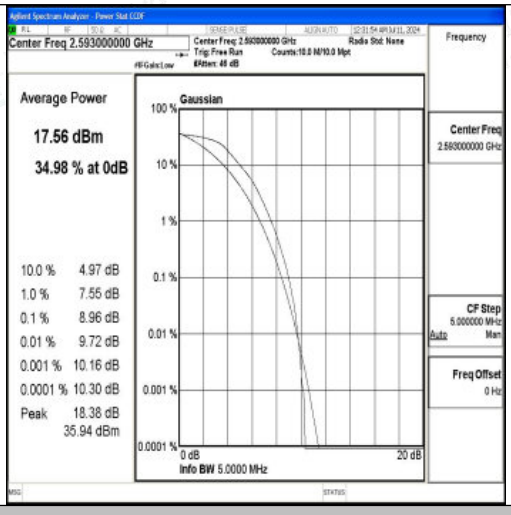
Band41-5MHz-16QAM-39675-25RB#0-PASS



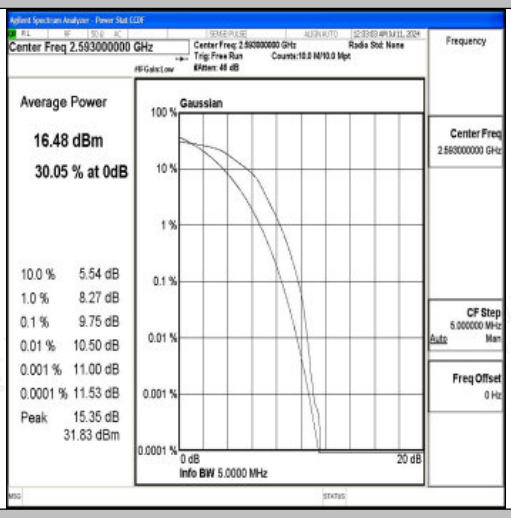
Band41-5MHz-QPSK-40620-1RB#0-PASS



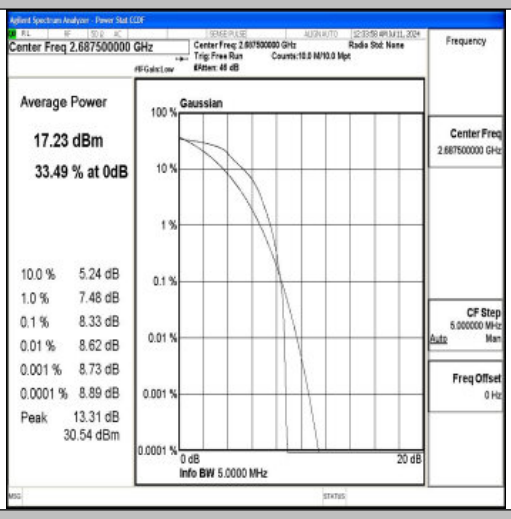
Band41-5MHz-16QAM-40620-1RB#0-PASS



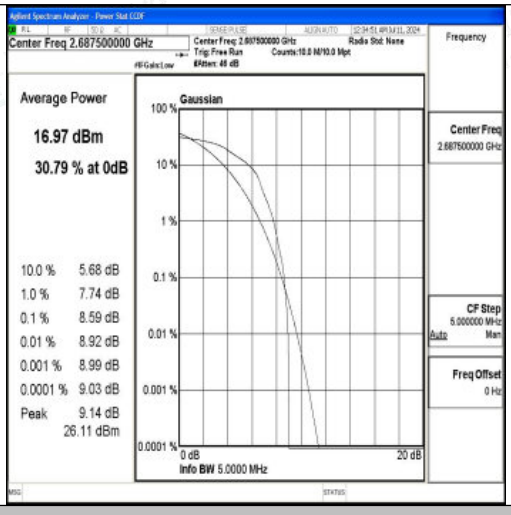
Band41-5MHz-QPSK-40620-25RB#0-PASS



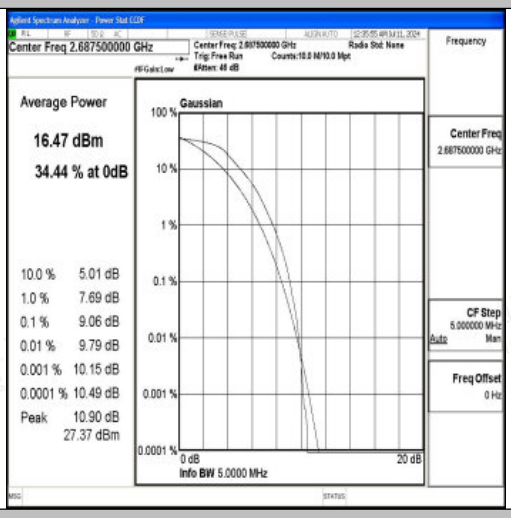
Band41-5MHz-16QAM-40620-25RB#0-PASS



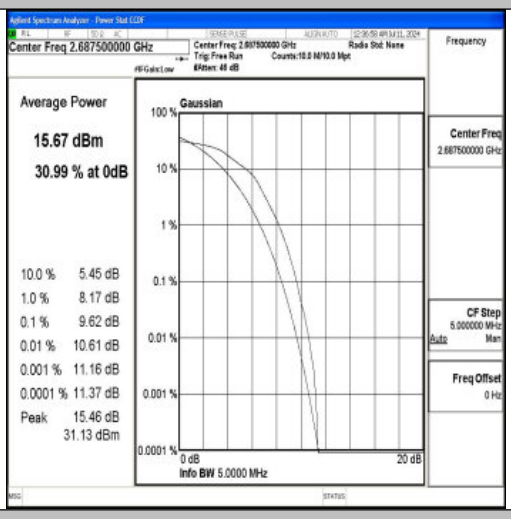
Band41-5MHz-QPSK-41565-1RB#0-PASS



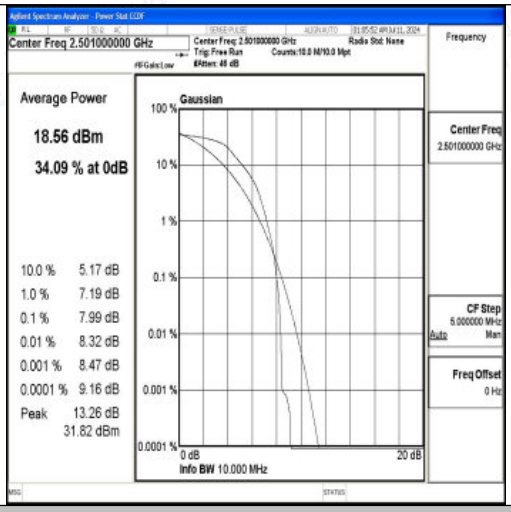
Band41-5MHz-16QAM-41565-1RB#0-PASS



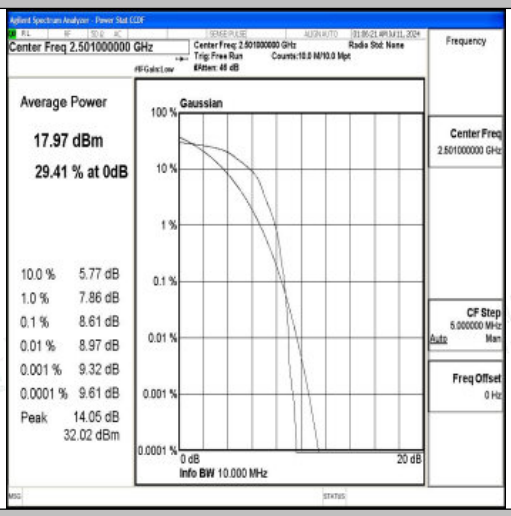
Band41-5MHz-QPSK-41565-25RB#0-PASS



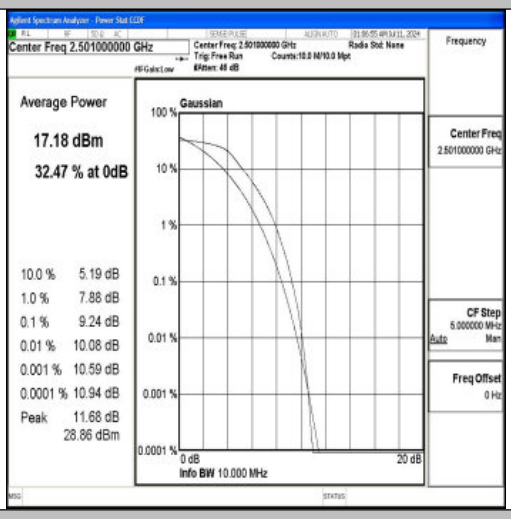
Band41-5MHz-16QAM-41565-25RB#0-PASS



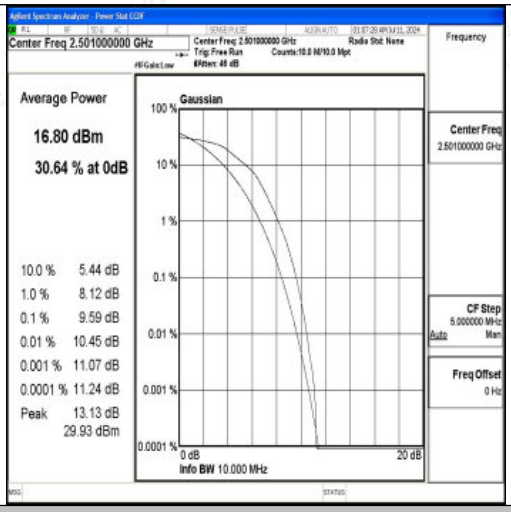
Band41-10MHz-QPSK-39700-1RB#0-PASS



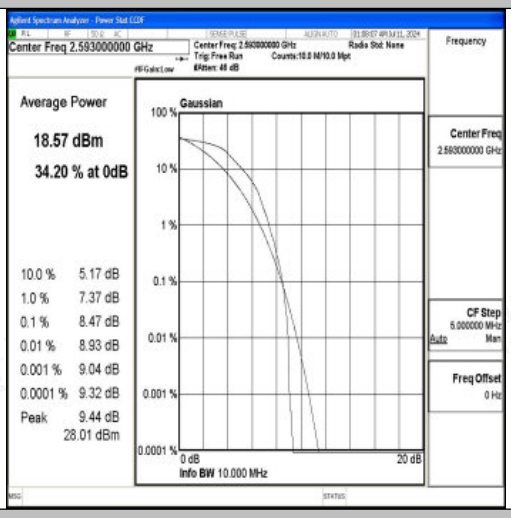
Band41-10MHz-16QAM-39700-1RB#0-PASS



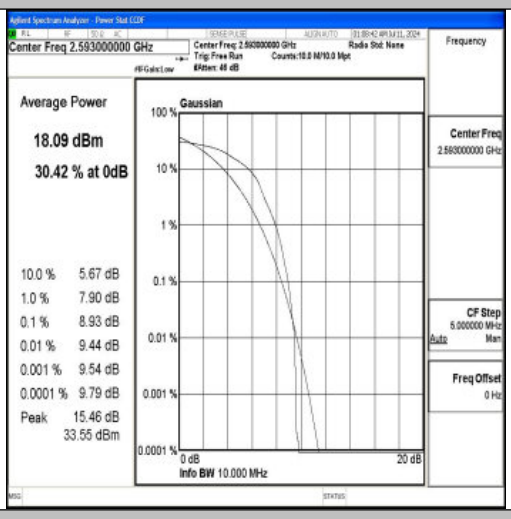
Band41-10MHz-QPSK-39700-50RB#0-PASS



Band41-10MHz-16QAM-39700-50RB#0-PASS



Band41-10MHz-QPSK-40620-1RB#0-PASS



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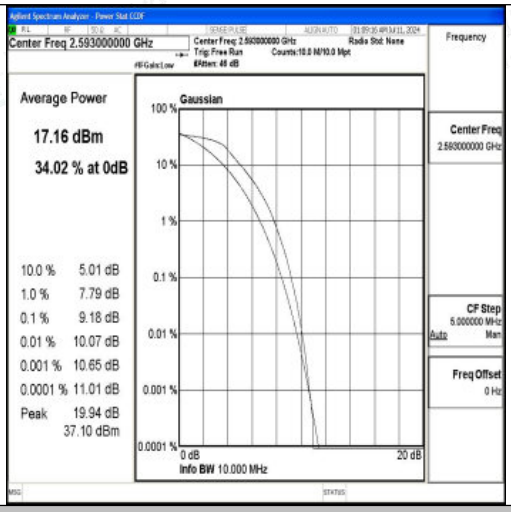
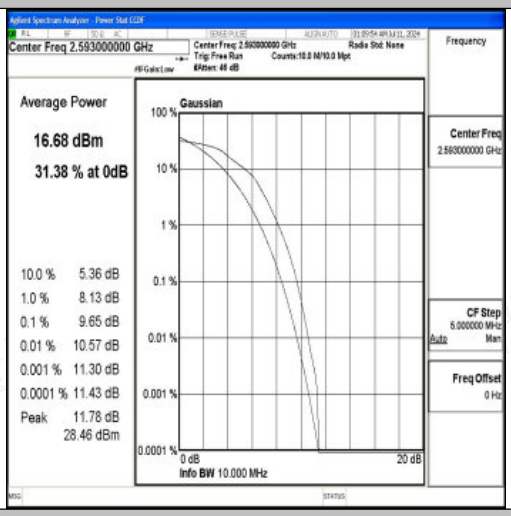
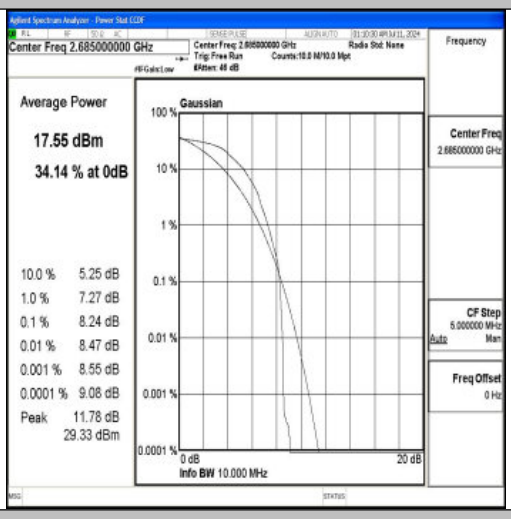


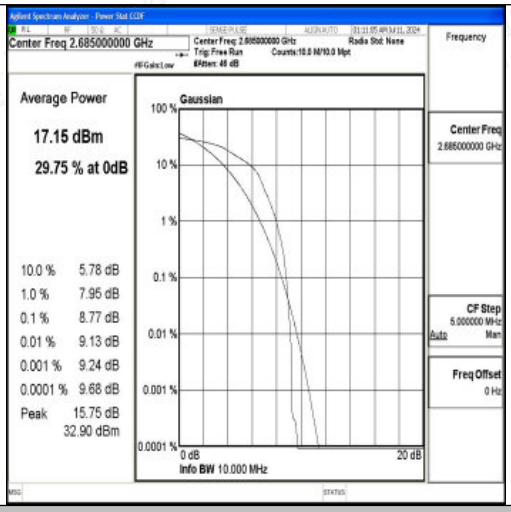
Band41-10MHz-QPSK-40620-50RB#0-PASS



Band41-10MHz-16QAM-40620-50RB#0-PASS



Band41-10MHz-QPSK-41540-1RB#0-PASS



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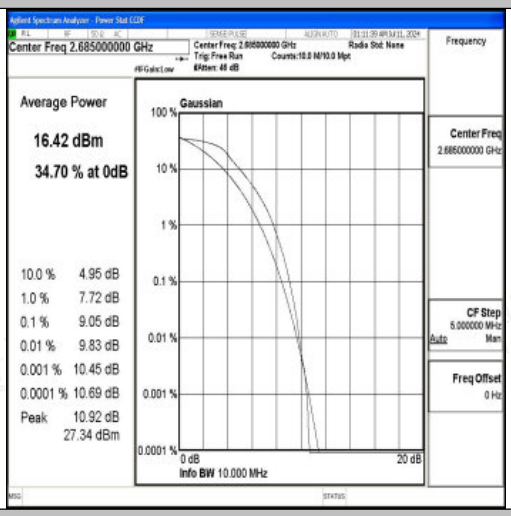

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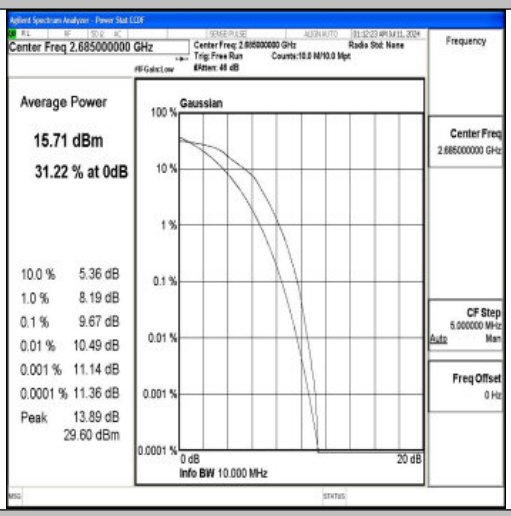

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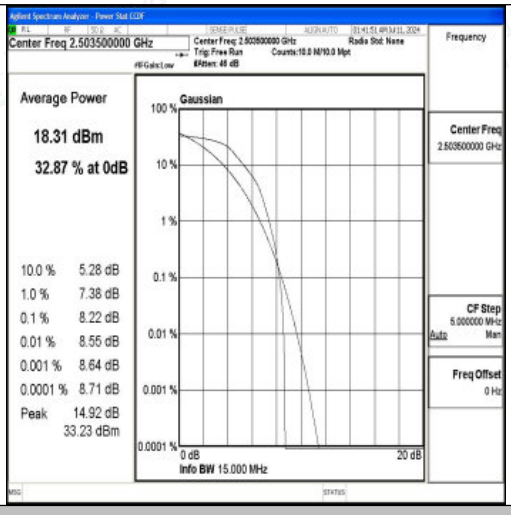

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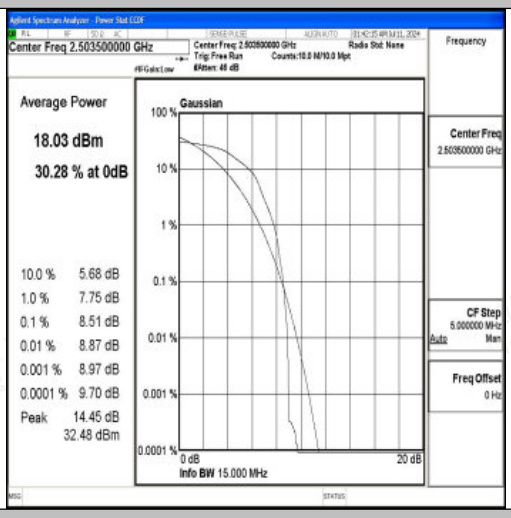

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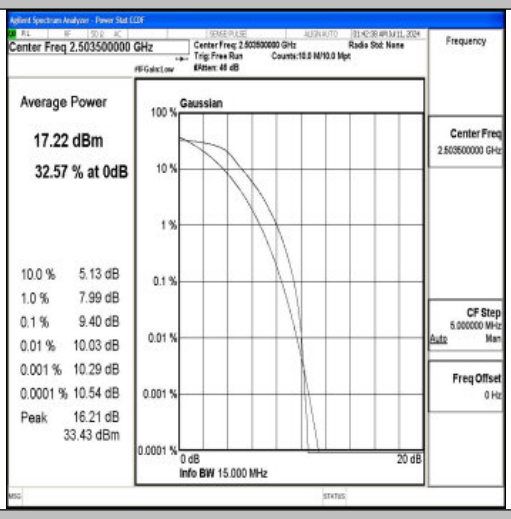
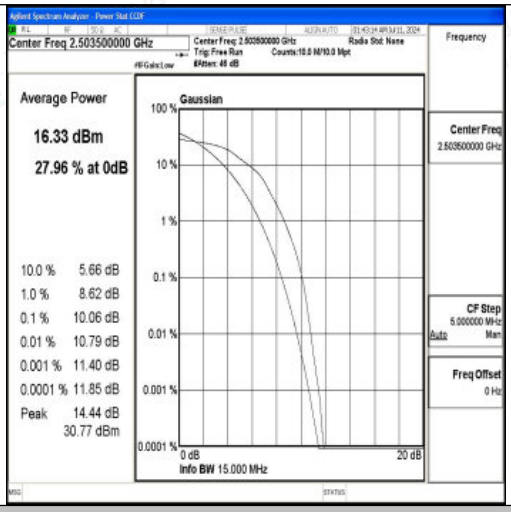
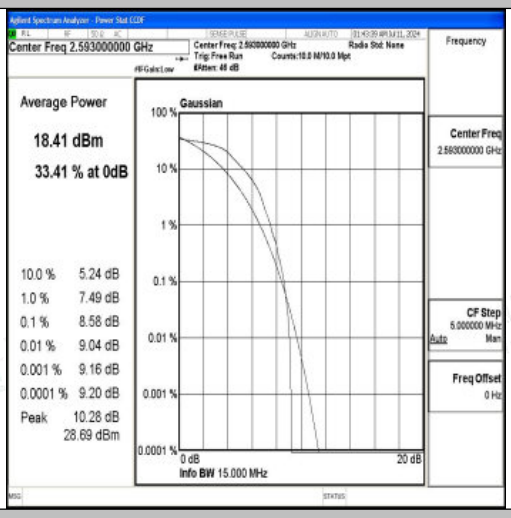


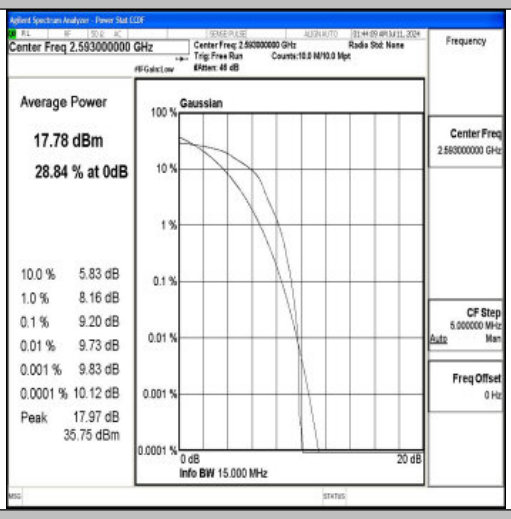
Band41-15MHz-QPSK-39725-75RB#0-PASS



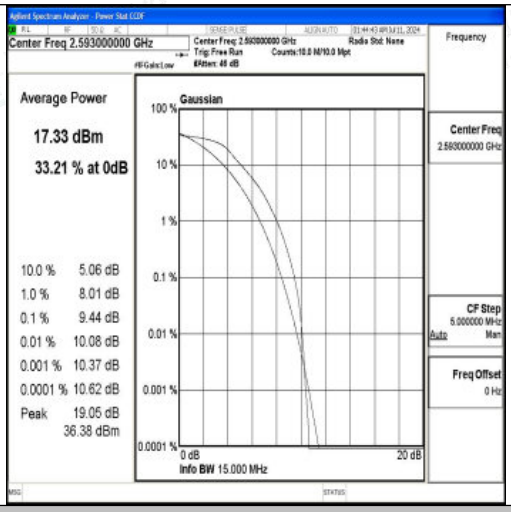
Band41-15MHz-16QAM-39725-75RB#0-PASS



Band41-15MHz-QPSK-40620-1RB#0-PASS



Band41-15MHz-16QAM-40620-1RB#0-PASS



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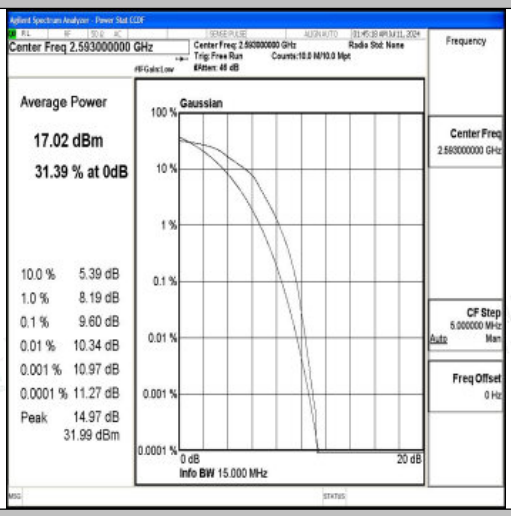

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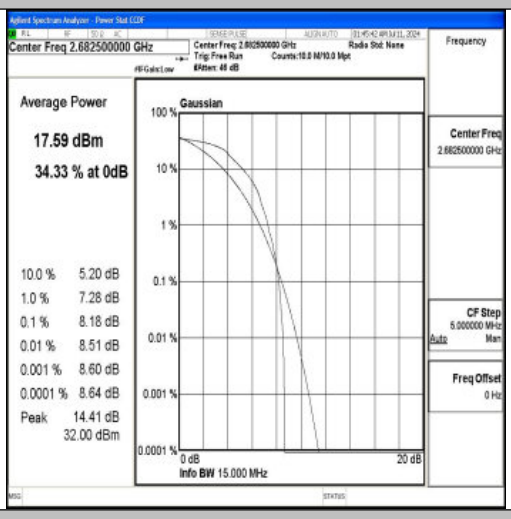

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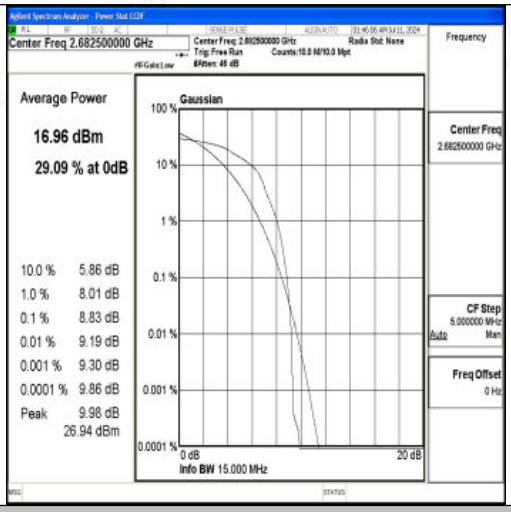

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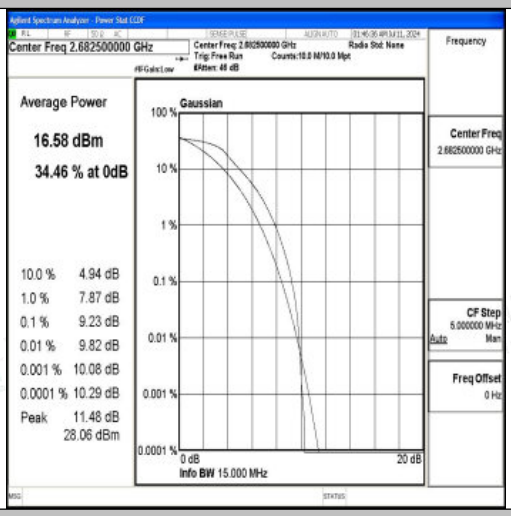

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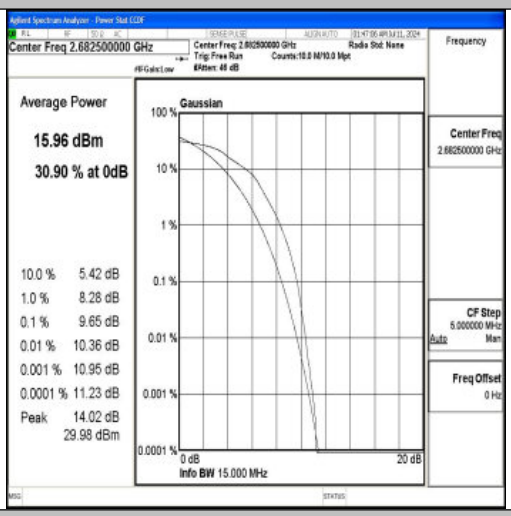

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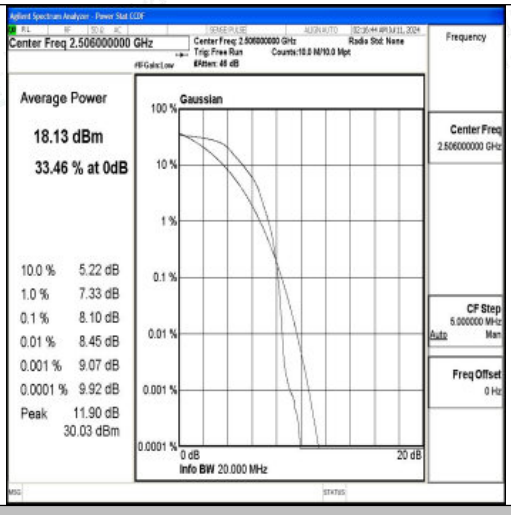
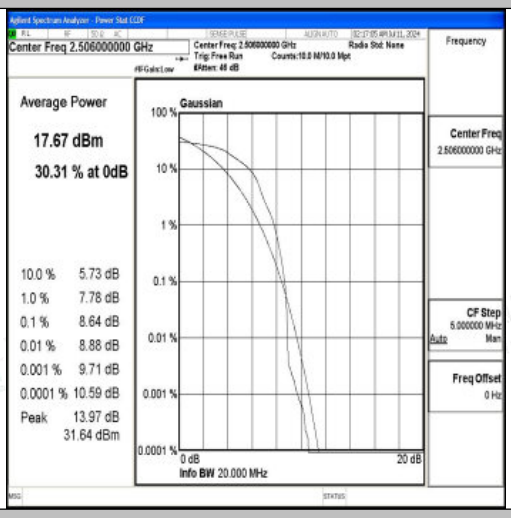
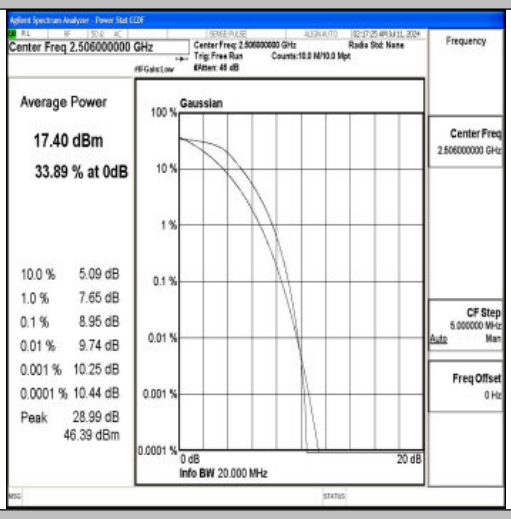


Band41-20MHz-QPSK-39750-1RB#0-PASS



Band41-20MHz-16QAM-39750-1RB#0-PASS



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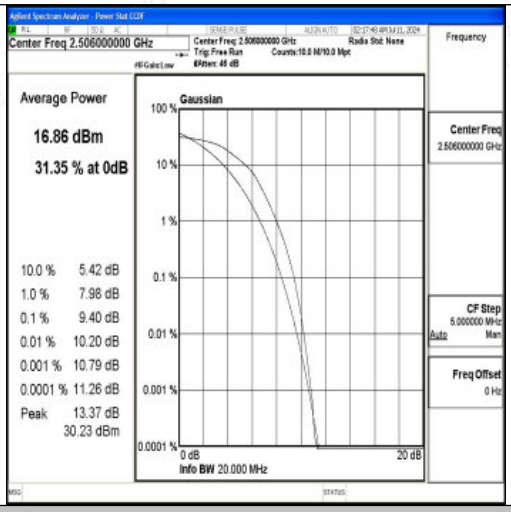

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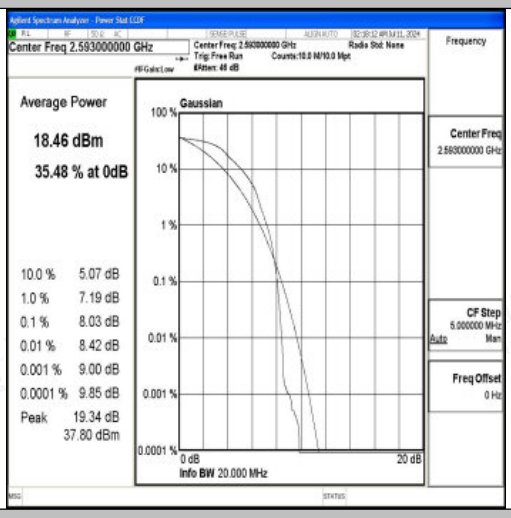
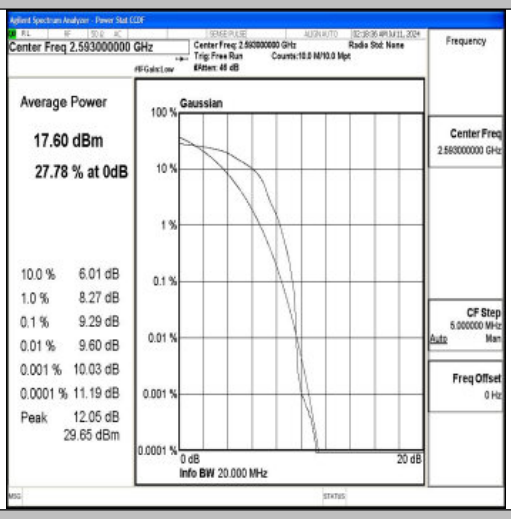


Band41-20MHz-QPSK-40620-1RB#0-PASS



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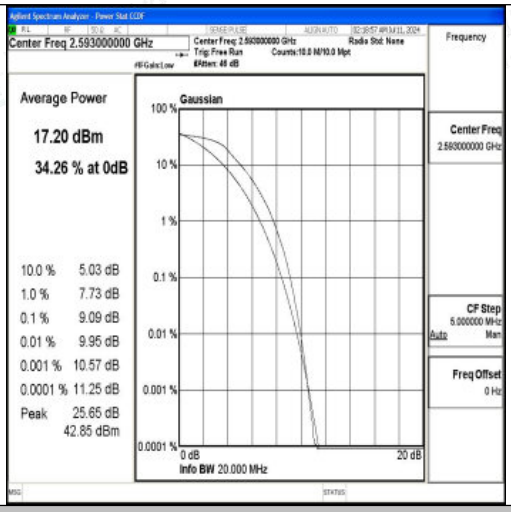

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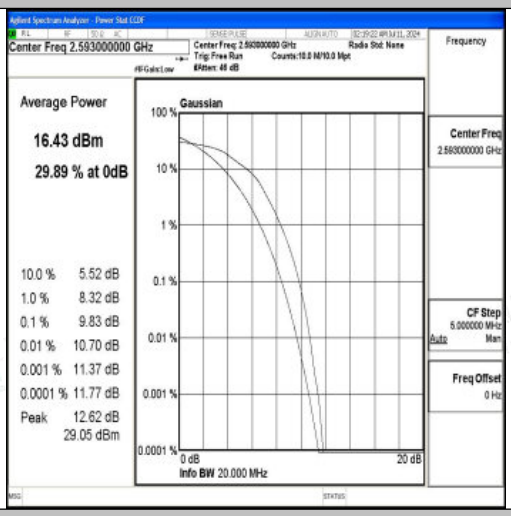

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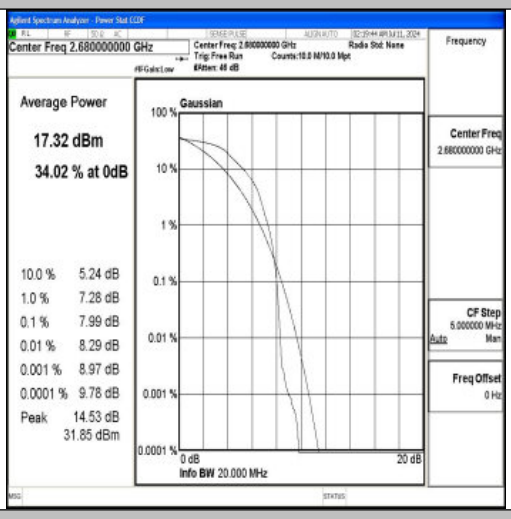
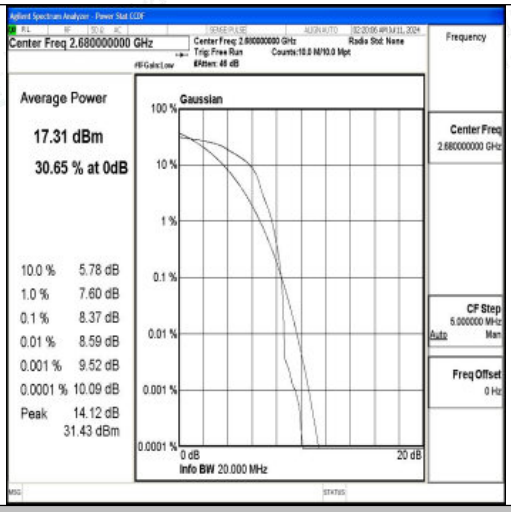
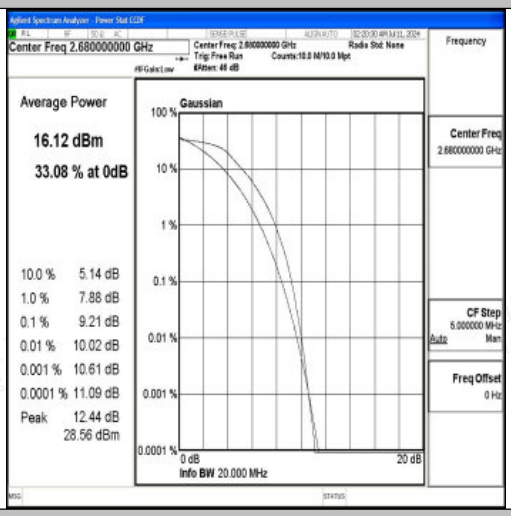


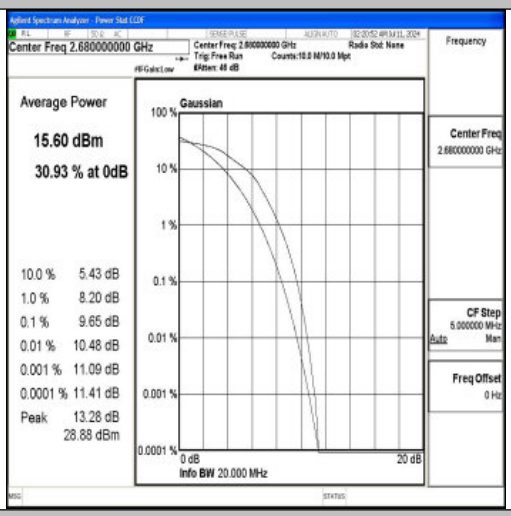
Band41-20MHz-QPSK-41490-1RB#0-PASS



Band41-20MHz-16QAM-41490-1RB#0-PASS



Band41-20MHz-QPSK-41490-100RB#0-PASS



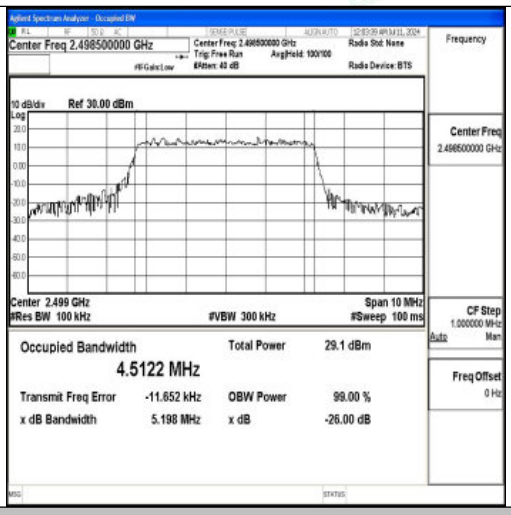
Band41-20MHz-16QAM-41490-100RB#0-PASS

M.3 26dB Bandwidth and Occupied Bandwidth

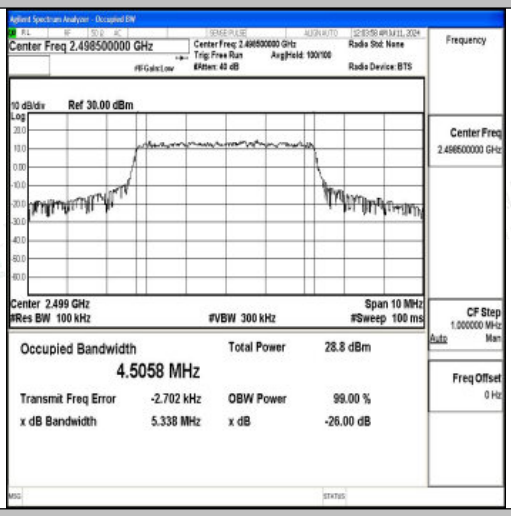
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.5122	5.198	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.5058	5.338	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.5209	5.224	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.5152	5.336	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.5016	5.235	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.5000	5.213	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9891	10.07	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9855	10.13	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9950	10.00	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.9981	10.11	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.0526	10.28	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.0244	10.98	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.545	16.07	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.504	15.57	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.505	16.07	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.486	15.29	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.541	15.39	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.491	15.33	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.961	20.73	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.955	20.43	PASS
Band41	20MHz	QPSK	40620	100RB#0	18.032	21.02	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.986	20.54	PASS
Band41	20MHz	QPSK	41490	100RB#0	18.026	20.37	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.991	20.14	PASS

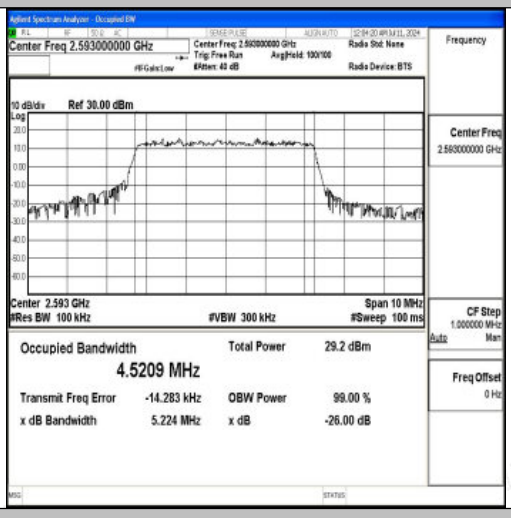
Test Graphs



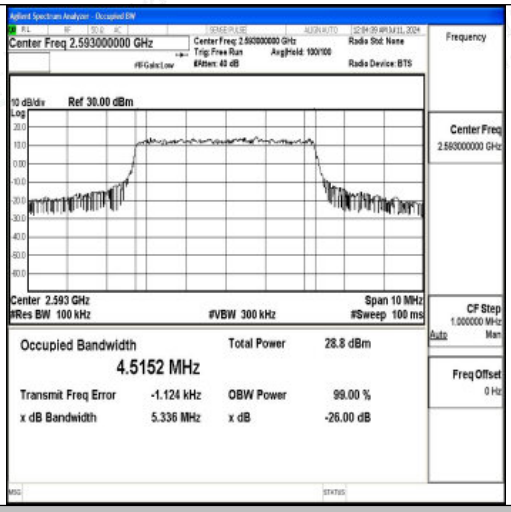
Band41-5MHz-QPSK-39675-25RB#0-PASS



Band41-5MHz-16QAM-39675-25RB#0-PASS



Band41-5MHz-QPSK-40620-25RB#0-PASS



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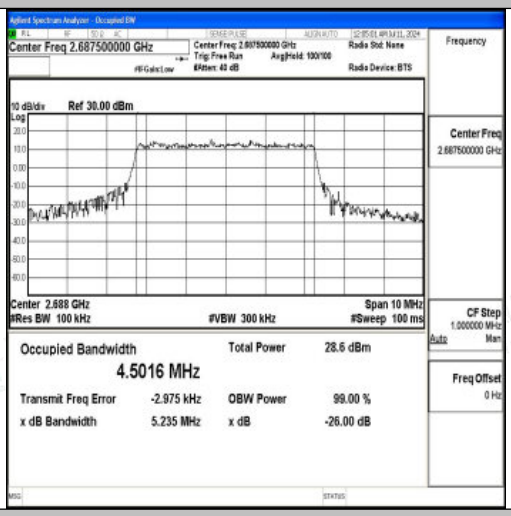

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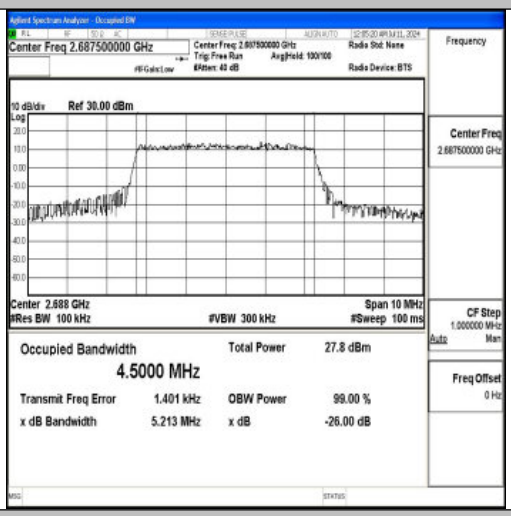

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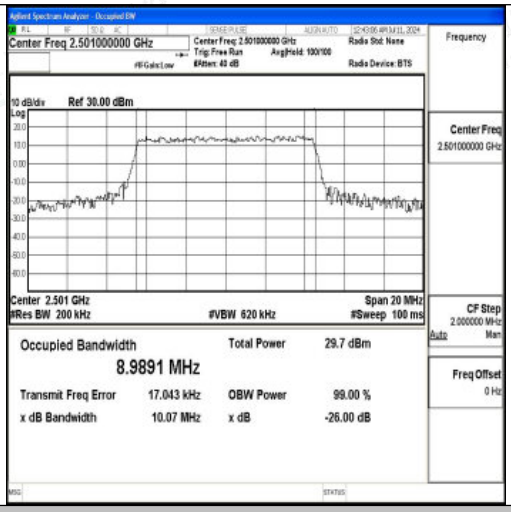
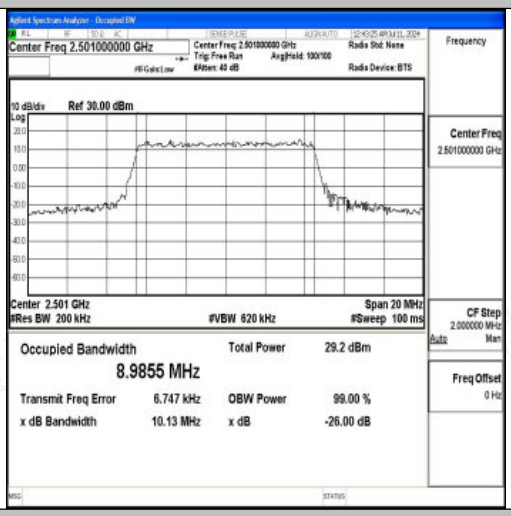
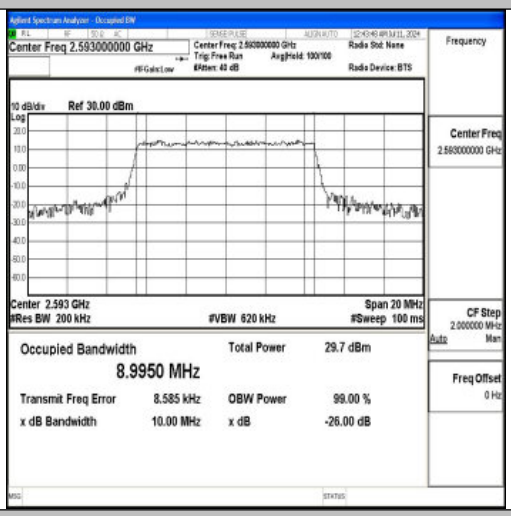


Band41-10MHz-QPSK-39700-50RB#0-PASS



Band41-10MHz-16QAM-39700-50RB#0-PASS



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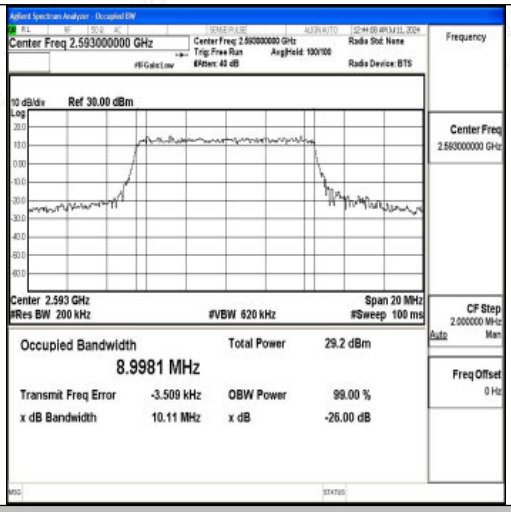

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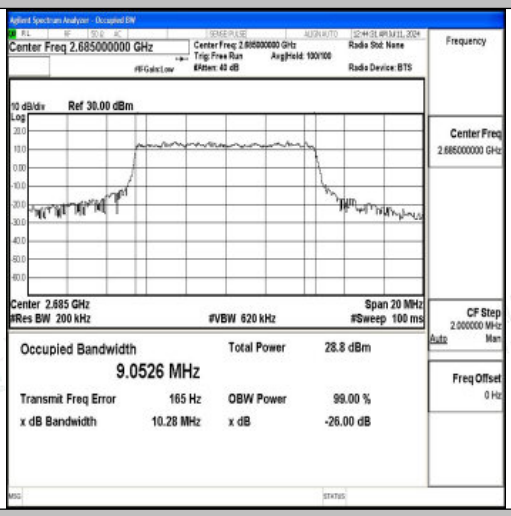
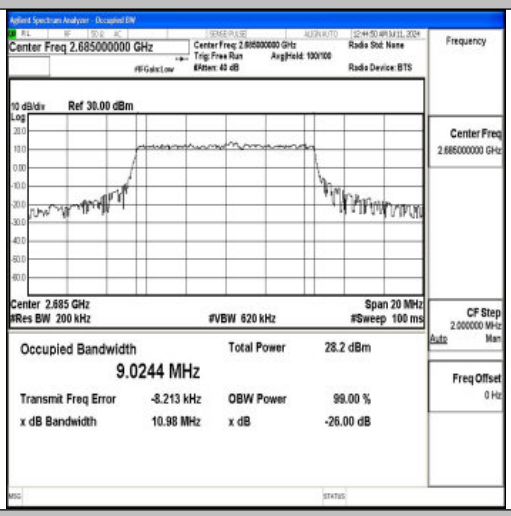
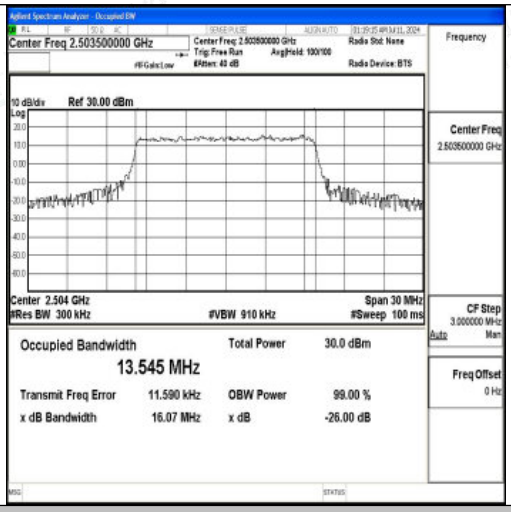


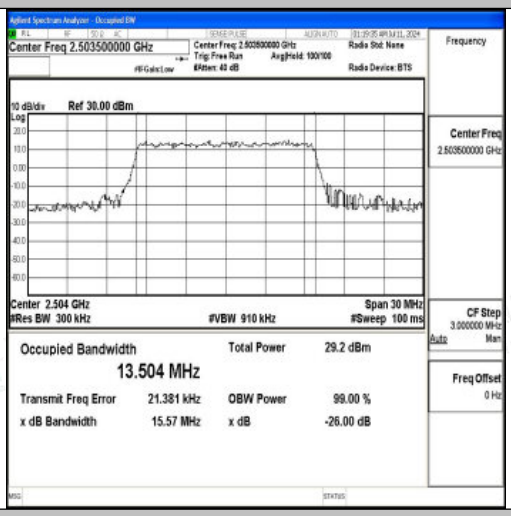
Band41-10MHz-QPSK-41540-50RB#0-PASS



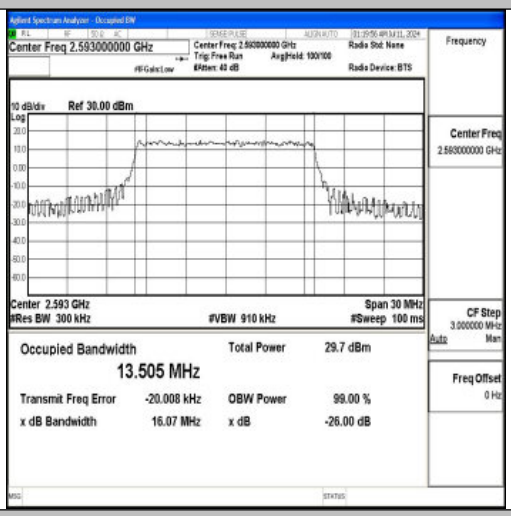
Band41-10MHz-16QAM-41540-50RB#0-PASS



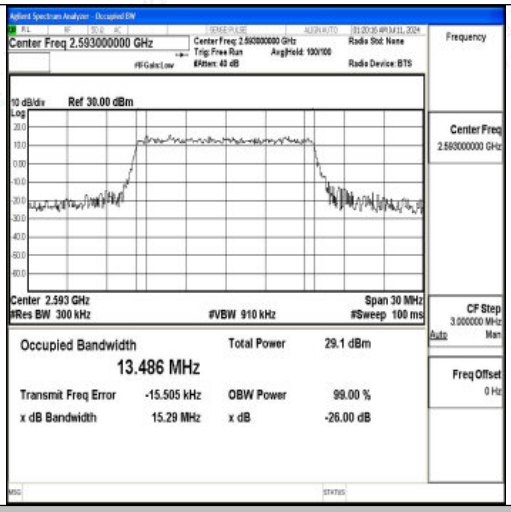
Band41-15MHz-QPSK-39725-75RB#0-PASS



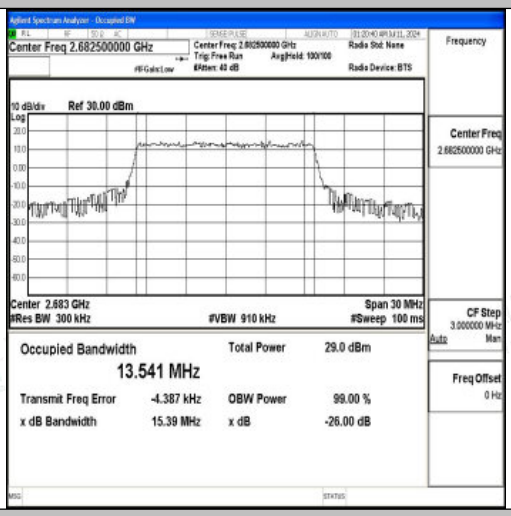
Band41-15MHz-16QAM-39725-75RB#0-PASS



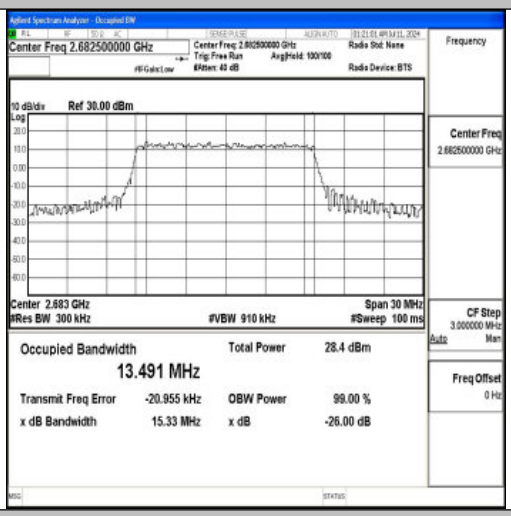
Band41-15MHz-QPSK-40620-75RB#0-PASS



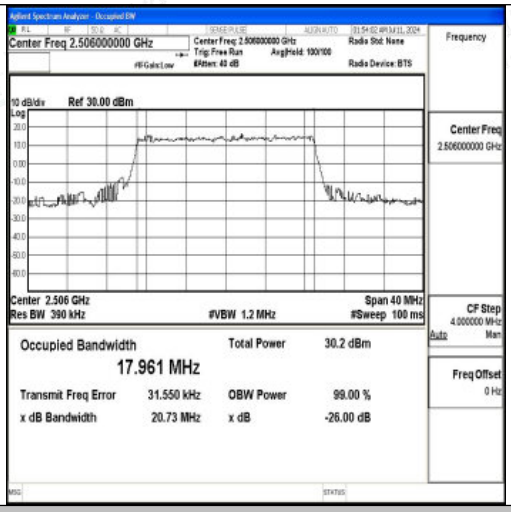
Band41-15MHz-16QAM-40620-75RB#0-PASS



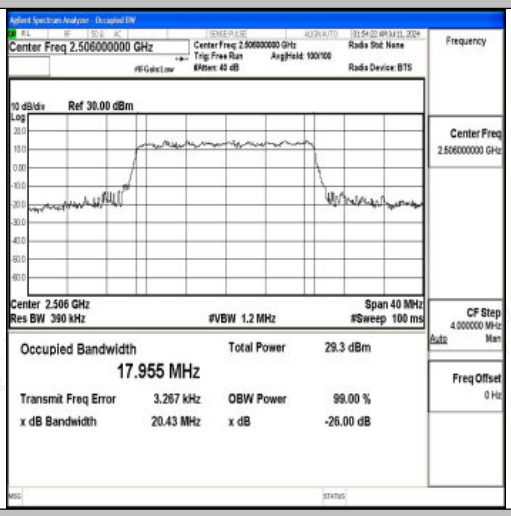
Band41-15MHz-QPSK-41515-75RB#0-PASS



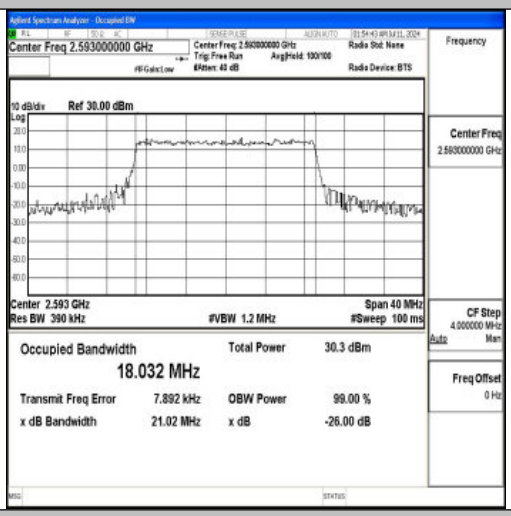
Band41-15MHz-16QAM-41515-75RB#0-PASS



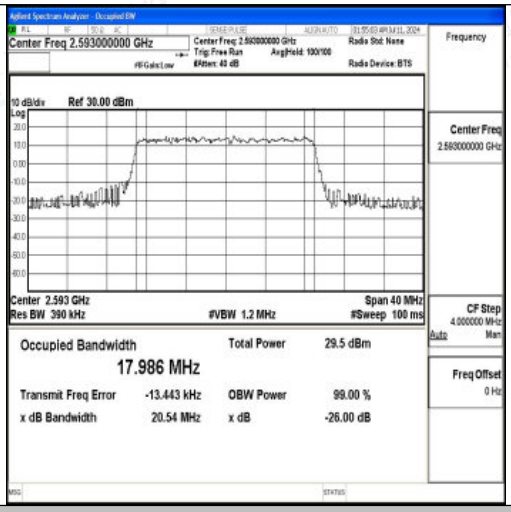
Band41-20MHz-QPSK-39750-100RB#0-PASS



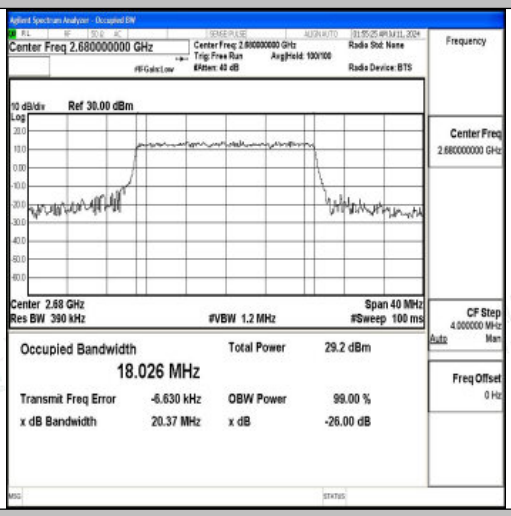
Band41-20MHz-16QAM-39750-100RB#0-PASS



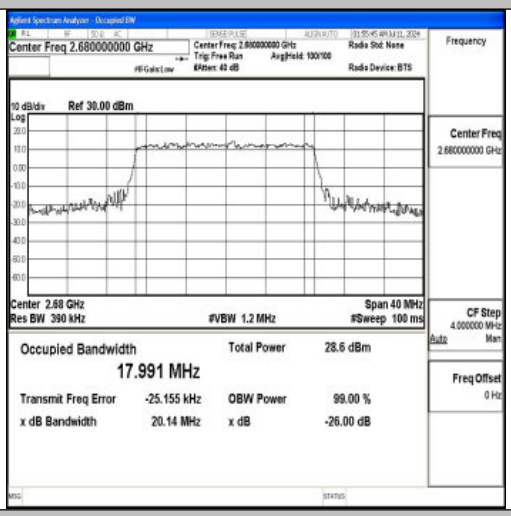
Band41-20MHz-QPSK-40620-100RB#0-PASS



Band41-20MHz-16QAM-40620-100RB#0-PASS



Band41-20MHz-QPSK-41490-100RB#0-PASS



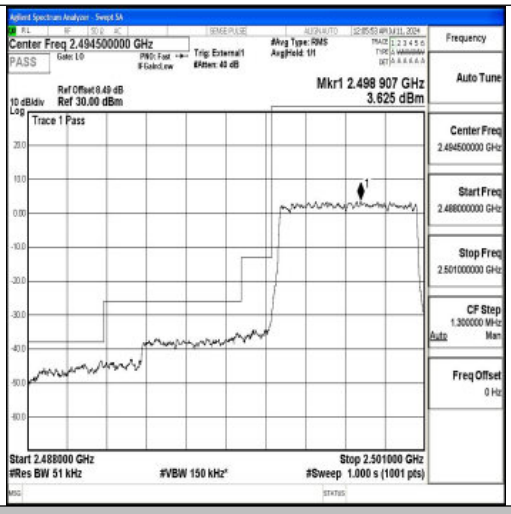
Band41-20MHz-16QAM-41490-100RB#0-PASS

M.4 Band Edge

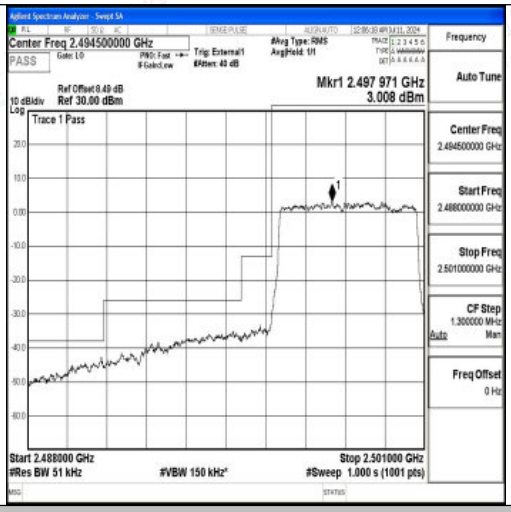
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	2490.42	-43.51	PASS
Band41	5MHz	16QAM	39675	25RB#0	2490.41	-42.78	PASS
Band41	5MHz	QPSK	41565	25RB#0	2696.19	-44.56	PASS
Band41	5MHz	16QAM	41565	25RB#0	2696.07	-45.65	PASS
Band41	10MHz	QPSK	39700	50RB#0	2490.39	-36.17	PASS
Band41	10MHz	16QAM	39700	50RB#0	2490.45	-37.07	PASS
Band41	10MHz	QPSK	41540	50RB#0	2700.55	-40.86	PASS
Band41	10MHz	16QAM	41540	50RB#0	2700.10	-41.94	PASS
Band41	15MHz	QPSK	39725	75RB#0	2489.61	-33.85	PASS
Band41	15MHz	16QAM	39725	75RB#0	2489.47	-33.73	PASS
Band41	15MHz	QPSK	41515	75RB#0	2706.19	-39.60	PASS
Band41	15MHz	16QAM	41515	75RB#0	2706.05	-40.08	PASS
Band41	20MHz	QPSK	39750	100RB#0	2489.34	-33.29	PASS
Band41	20MHz	16QAM	39750	100RB#0	2489.37	-33.24	PASS
Band41	20MHz	QPSK	41490	100RB#0	2710.46	-39.79	PASS
Band41	20MHz	16QAM	41490	100RB#0	2710.10	-40.61	PASS

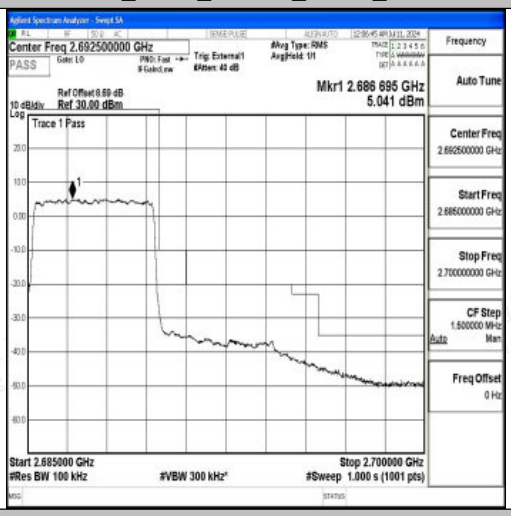
Test Graphs



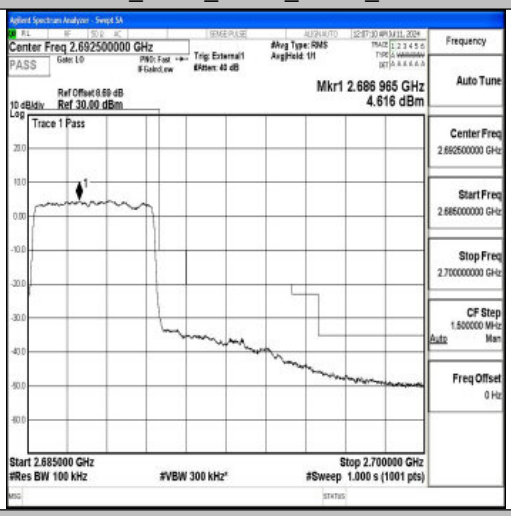
Band41_5MHz_QPSK_39675_25RB#0



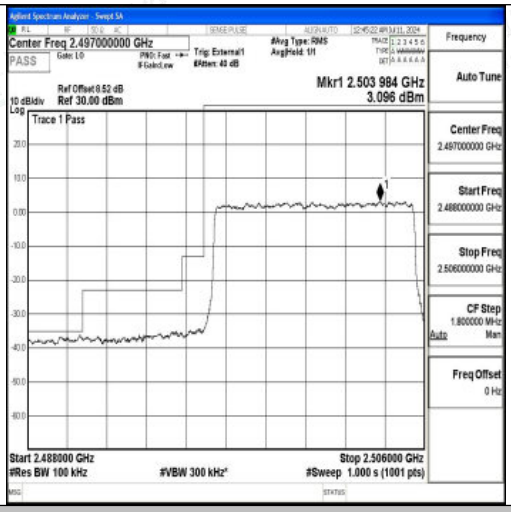
Band41_5MHz_16QAM_39675_25RB#0



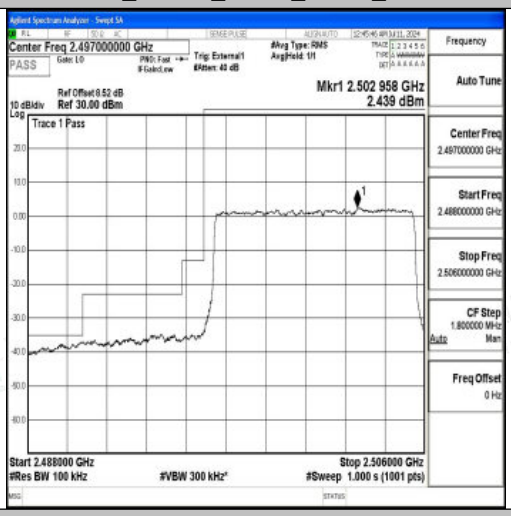
Band41_5MHz_QPSK_41565_25RB#0



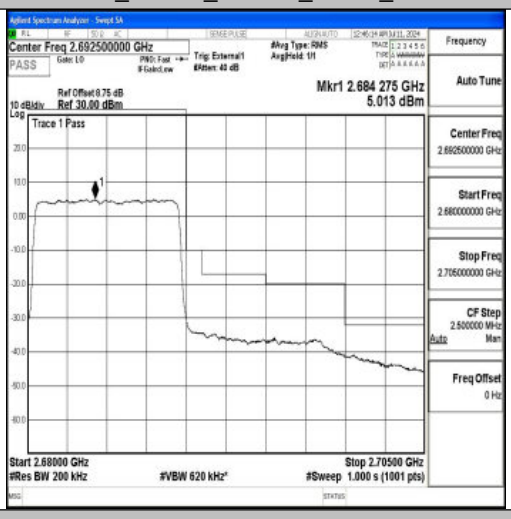
Band41_5MHz_16QAM_41565_25RB#0



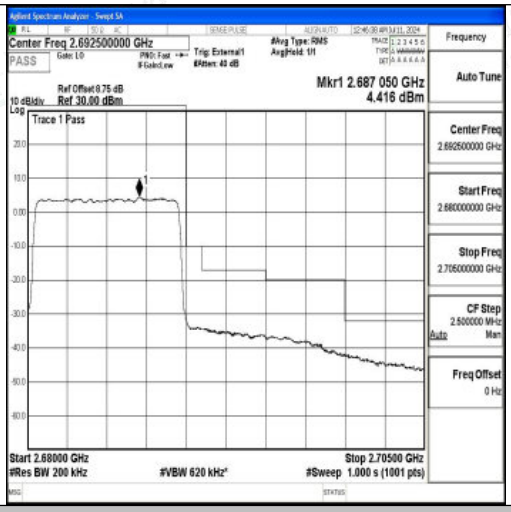
Band41_10MHz_QPSK_39700_50RB#0



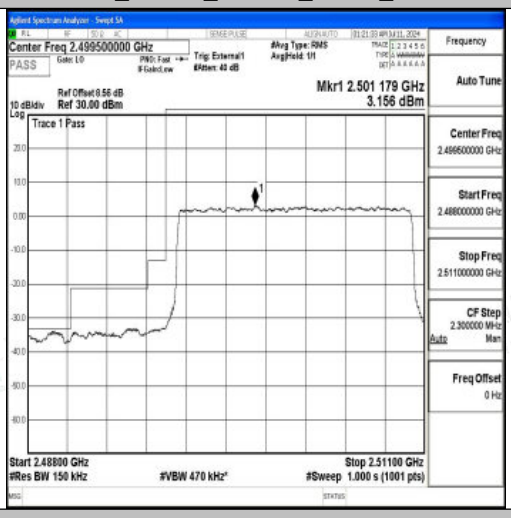
Band41_10MHz_16QAM_39700_50RB#0



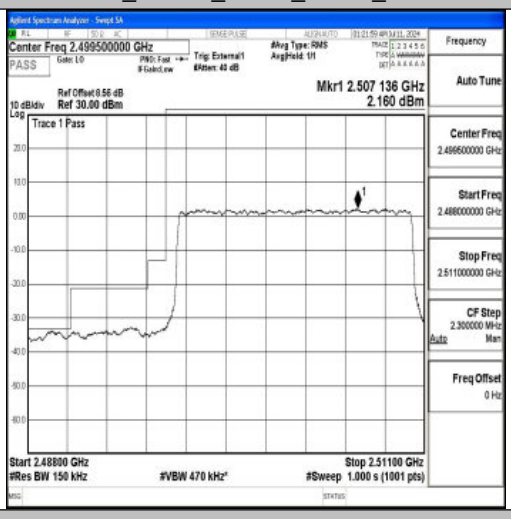
Band41_10MHz_QPSK_41540_50RB#0



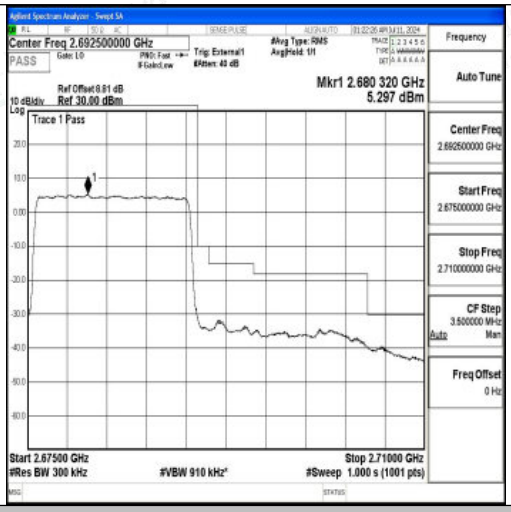
Band41_10MHz_16QAM_41540_50RB#0



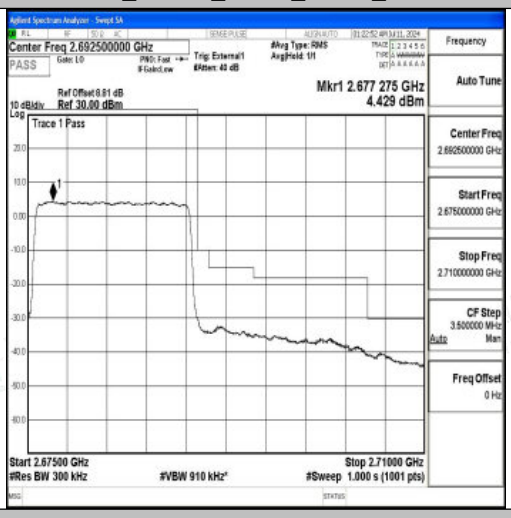
Band41_15MHz_QPSK_39725_75RB#0



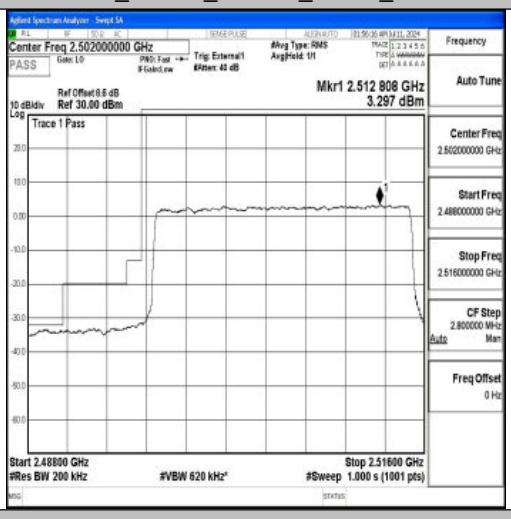
Band41_15MHz_16QAM_39725_75RB#0



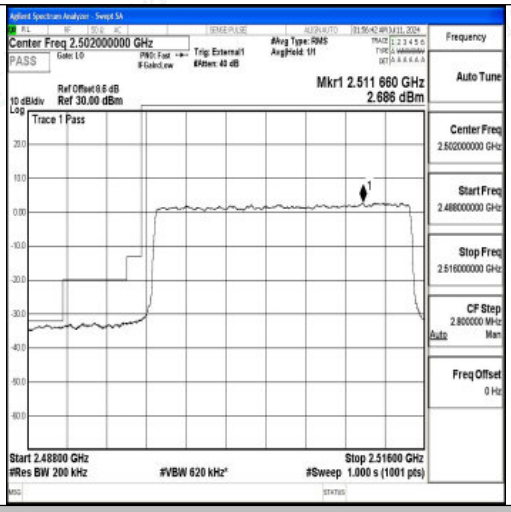
Band41_15MHz_QPSK_41515_75RB#0



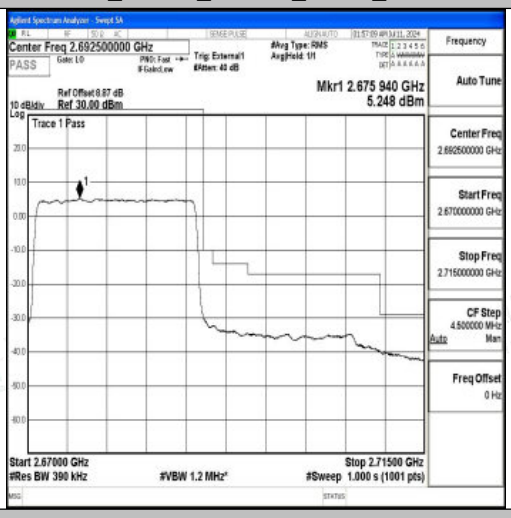
Band41_15MHz_16QAM_41515_75RB#0



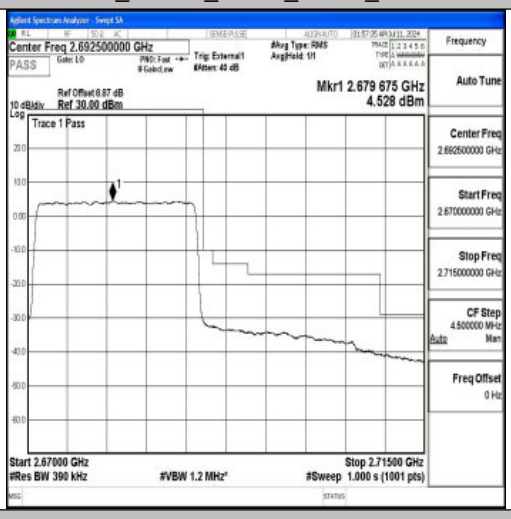
Band41_20MHz_QPSK_39750_100RB#0



Band41_20MHz_16QAM_39750_100RB#0



Band41_20MHz_QPSK_41490_100RB#0



Band41_20MHz_16QAM_41490_100RB#0

M.5 Conducted Spurious Emission

Test Result

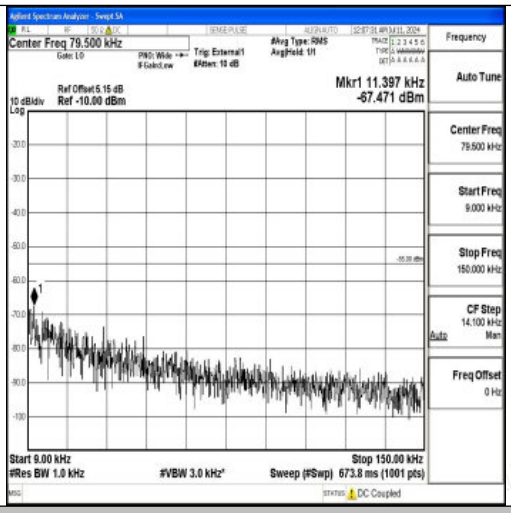
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	0.009~0.15	-67.47	PASS
Band41	5MHz	QPSK	39675	1RB#0	0.15~30	-59.56	PASS
Band41	5MHz	QPSK	39675	1RB#0	30~1000	-62.91	PASS
Band41	5MHz	QPSK	39675	1RB#0	1000~20000	-33.05	PASS
Band41	5MHz	QPSK	39675	1RB#0	20000~27000	-34.67	PASS
Band41	5MHz	16QAM	39675	1RB#0	0.009~0.15	-68.67	PASS
Band41	5MHz	16QAM	39675	1RB#0	0.15~30	-61.77	PASS
Band41	5MHz	16QAM	39675	1RB#0	30~1000	-62.79	PASS
Band41	5MHz	16QAM	39675	1RB#0	1000~20000	-33.05	PASS
Band41	5MHz	16QAM	39675	1RB#0	20000~27000	-35.44	PASS
Band41	5MHz	QPSK	40620	1RB#0	0.009~0.15	-66.45	PASS
Band41	5MHz	QPSK	40620	1RB#0	0.15~30	-61.94	PASS
Band41	5MHz	QPSK	40620	1RB#0	30~1000	-62.81	PASS
Band41	5MHz	QPSK	40620	1RB#0	1000~20000	-33.48	PASS
Band41	5MHz	QPSK	40620	1RB#0	20000~27000	-35.45	PASS
Band41	5MHz	16QAM	40620	1RB#0	0.009~0.15	-67.85	PASS
Band41	5MHz	16QAM	40620	1RB#0	0.15~30	-59.33	PASS
Band41	5MHz	16QAM	40620	1RB#0	30~1000	-62.65	PASS
Band41	5MHz	16QAM	40620	1RB#0	1000~20000	-33.20	PASS
Band41	5MHz	16QAM	40620	1RB#0	20000~27000	-35.16	PASS
Band41	5MHz	QPSK	41565	1RB#0	0.009~0.15	-66.36	PASS
Band41	5MHz	QPSK	41565	1RB#0	0.15~30	-61.42	PASS
Band41	5MHz	QPSK	41565	1RB#0	30~1000	-62.69	PASS
Band41	5MHz	QPSK	41565	1RB#0	1000~20000	-33.32	PASS
Band41	5MHz	QPSK	41565	1RB#0	20000~27000	-35.14	PASS
Band41	5MHz	16QAM	41565	1RB#0	0.009~0.15	-68.04	PASS
Band41	5MHz	16QAM	41565	1RB#0	0.15~30	-59.89	PASS
Band41	5MHz	16QAM	41565	1RB#0	30~1000	-62.80	PASS
Band41	5MHz	16QAM	41565	1RB#0	1000~20000	-33.07	PASS
Band41	5MHz	16QAM	41565	1RB#0	20000~27000	-35.16	PASS
Band41	10MHz	QPSK	39700	1RB#0	0.009~0.15	-68.44	PASS
Band41	10MHz	QPSK	39700	1RB#0	0.15~30	-59.19	PASS
Band41	10MHz	QPSK	39700	1RB#0	30~1000	-62.68	PASS
Band41	10MHz	QPSK	39700	1RB#0	1000~20000	-32.72	PASS

Band41	10MHz	QPSK	39700	1RB#0	20000~27000	-35.24	PASS
Band41	10MHz	16QAM	39700	1RB#0	0.009~0.15	-67.72	PASS
Band41	10MHz	16QAM	39700	1RB#0	0.15~30	-59.54	PASS
Band41	10MHz	16QAM	39700	1RB#0	30~1000	-63.21	PASS
Band41	10MHz	16QAM	39700	1RB#0	1000~20000	-32.94	PASS
Band41	10MHz	16QAM	39700	1RB#0	20000~27000	-35.04	PASS
Band41	10MHz	QPSK	40620	1RB#0	0.009~0.15	-68.03	PASS
Band41	10MHz	QPSK	40620	1RB#0	0.15~30	-60.98	PASS
Band41	10MHz	QPSK	40620	1RB#0	30~1000	-62.89	PASS
Band41	10MHz	QPSK	40620	1RB#0	1000~20000	-33.33	PASS
Band41	10MHz	QPSK	40620	1RB#0	20000~27000	-35.36	PASS
Band41	10MHz	16QAM	40620	1RB#0	0.009~0.15	-69.45	PASS
Band41	10MHz	16QAM	40620	1RB#0	0.15~30	-60.03	PASS
Band41	10MHz	16QAM	40620	1RB#0	30~1000	-63.03	PASS
Band41	10MHz	16QAM	40620	1RB#0	1000~20000	-33.18	PASS
Band41	10MHz	16QAM	40620	1RB#0	20000~27000	-35.54	PASS
Band41	10MHz	QPSK	41540	1RB#0	0.009~0.15	-68.17	PASS
Band41	10MHz	QPSK	41540	1RB#0	0.15~30	-61.53	PASS
Band41	10MHz	QPSK	41540	1RB#0	30~1000	-62.77	PASS
Band41	10MHz	QPSK	41540	1RB#0	1000~20000	-33.31	PASS
Band41	10MHz	QPSK	41540	1RB#0	20000~27000	-35.33	PASS
Band41	10MHz	16QAM	41540	1RB#0	0.009~0.15	-68.64	PASS
Band41	10MHz	16QAM	41540	1RB#0	0.15~30	-58.73	PASS
Band41	10MHz	16QAM	41540	1RB#0	30~1000	-63.07	PASS
Band41	10MHz	16QAM	41540	1RB#0	1000~20000	-33.28	PASS
Band41	10MHz	16QAM	41540	1RB#0	20000~27000	-35.25	PASS
Band41	15MHz	QPSK	39725	1RB#0	0.009~0.15	-67.63	PASS
Band41	15MHz	QPSK	39725	1RB#0	0.15~30	-59.25	PASS
Band41	15MHz	QPSK	39725	1RB#0	30~1000	-62.87	PASS
Band41	15MHz	QPSK	39725	1RB#0	1000~20000	-33.44	PASS
Band41	15MHz	QPSK	39725	1RB#0	20000~27000	-35.37	PASS
Band41	15MHz	16QAM	39725	1RB#0	0.009~0.15	-65.18	PASS
Band41	15MHz	16QAM	39725	1RB#0	0.15~30	-60.82	PASS
Band41	15MHz	16QAM	39725	1RB#0	30~1000	-62.60	PASS
Band41	15MHz	16QAM	39725	1RB#0	1000~20000	-33.31	PASS
Band41	15MHz	16QAM	39725	1RB#0	20000~27000	-35.23	PASS
Band41	15MHz	QPSK	40620	1RB#0	0.009~0.15	-68.15	PASS
Band41	15MHz	QPSK	40620	1RB#0	0.15~30	-59.26	PASS
Band41	15MHz	QPSK	40620	1RB#0	30~1000	-62.75	PASS
Band41	15MHz	QPSK	40620	1RB#0	1000~20000	-33.17	PASS

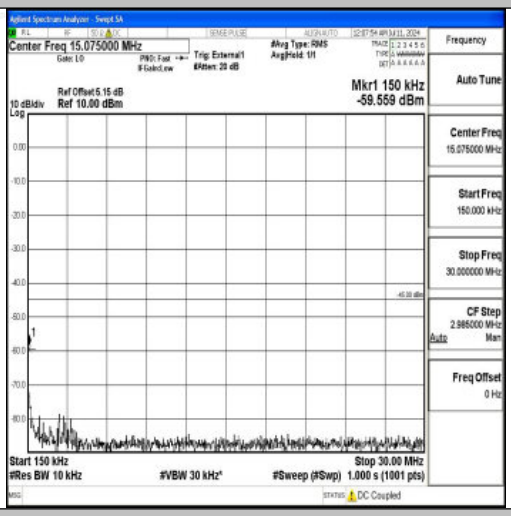
Band41	15MHz	QPSK	40620	1RB#0	20000~27000	-35.21	PASS
Band41	15MHz	16QAM	40620	1RB#0	0.009~0.15	-68.70	PASS
Band41	15MHz	16QAM	40620	1RB#0	0.15~30	-62.16	PASS
Band41	15MHz	16QAM	40620	1RB#0	30~1000	-62.82	PASS
Band41	15MHz	16QAM	40620	1RB#0	1000~20000	-33.23	PASS
Band41	15MHz	16QAM	40620	1RB#0	20000~27000	-35.29	PASS
Band41	15MHz	QPSK	41515	1RB#0	0.009~0.15	-67.00	PASS
Band41	15MHz	QPSK	41515	1RB#0	0.15~30	-60.95	PASS
Band41	15MHz	QPSK	41515	1RB#0	30~1000	-62.44	PASS
Band41	15MHz	QPSK	41515	1RB#0	1000~20000	-32.99	PASS
Band41	15MHz	QPSK	41515	1RB#0	20000~27000	-35.12	PASS
Band41	15MHz	16QAM	41515	1RB#0	0.009~0.15	-67.30	PASS
Band41	15MHz	16QAM	41515	1RB#0	0.15~30	-61.63	PASS
Band41	15MHz	16QAM	41515	1RB#0	30~1000	-62.53	PASS
Band41	15MHz	16QAM	41515	1RB#0	1000~20000	-33.31	PASS
Band41	15MHz	16QAM	41515	1RB#0	20000~27000	-35.29	PASS
Band41	20MHz	QPSK	39750	1RB#0	0.009~0.15	-67.29	PASS
Band41	20MHz	QPSK	39750	1RB#0	0.15~30	-61.08	PASS
Band41	20MHz	QPSK	39750	1RB#0	30~1000	-62.59	PASS
Band41	20MHz	QPSK	39750	1RB#0	1000~20000	-33.31	PASS
Band41	20MHz	QPSK	39750	1RB#0	20000~27000	-35.28	PASS
Band41	20MHz	16QAM	39750	1RB#0	0.009~0.15	-69.58	PASS
Band41	20MHz	16QAM	39750	1RB#0	0.15~30	-59.84	PASS
Band41	20MHz	16QAM	39750	1RB#0	30~1000	-62.63	PASS
Band41	20MHz	16QAM	39750	1RB#0	1000~20000	-33.25	PASS
Band41	20MHz	16QAM	39750	1RB#0	20000~27000	-35.30	PASS
Band41	20MHz	QPSK	40620	1RB#0	0.009~0.15	-67.66	PASS
Band41	20MHz	QPSK	40620	1RB#0	0.15~30	-60.89	PASS
Band41	20MHz	QPSK	40620	1RB#0	30~1000	-62.76	PASS
Band41	20MHz	QPSK	40620	1RB#0	1000~20000	-32.99	PASS
Band41	20MHz	QPSK	40620	1RB#0	20000~27000	-35.56	PASS
Band41	20MHz	16QAM	40620	1RB#0	0.009~0.15	-68.11	PASS
Band41	20MHz	16QAM	40620	1RB#0	0.15~30	-59.67	PASS
Band41	20MHz	16QAM	40620	1RB#0	30~1000	-62.65	PASS
Band41	20MHz	16QAM	40620	1RB#0	1000~20000	-33.24	PASS
Band41	20MHz	16QAM	40620	1RB#0	20000~27000	-35.53	PASS
Band41	20MHz	QPSK	41490	1RB#0	0.009~0.15	-65.19	PASS
Band41	20MHz	QPSK	41490	1RB#0	0.15~30	-59.28	PASS
Band41	20MHz	QPSK	41490	1RB#0	30~1000	-62.82	PASS
Band41	20MHz	QPSK	41490	1RB#0	1000~20000	-33.06	PASS

Band41	20MHz	QPSK	41490	1RB#0	20000~27000	-35.19	PASS
Band41	20MHz	16QAM	41490	1RB#0	0.009~0.15	-65.84	PASS
Band41	20MHz	16QAM	41490	1RB#0	0.15~30	-61.82	PASS
Band41	20MHz	16QAM	41490	1RB#0	30~1000	-62.98	PASS
Band41	20MHz	16QAM	41490	1RB#0	1000~20000	-32.97	PASS
Band41	20MHz	16QAM	41490	1RB#0	20000~27000	-35.12	PASS

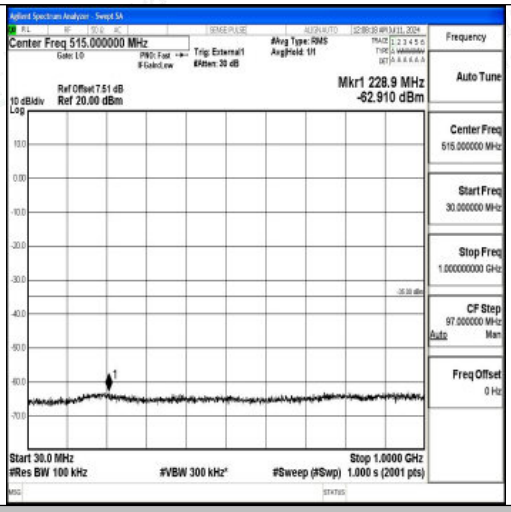
Test Graphs



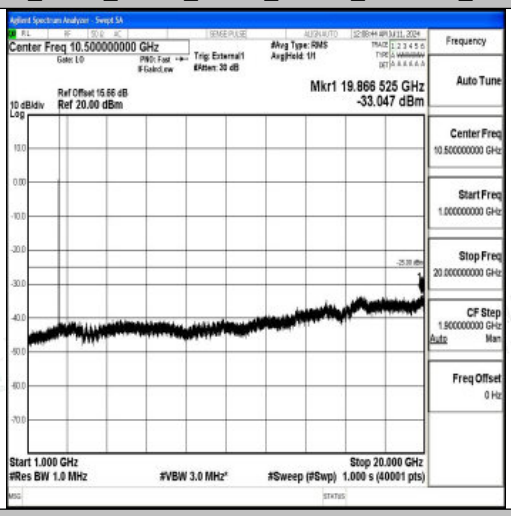
Band41_5MHz_QPSK_39675_1RB#0_0.009~0.15_0.009~0.15



Band41_5MHz_QPSK_39675_1RB#0_0.15~30_0.15~30



Band41_5MHz_QPSK_39675_1RB#0_30~1000_30~1000



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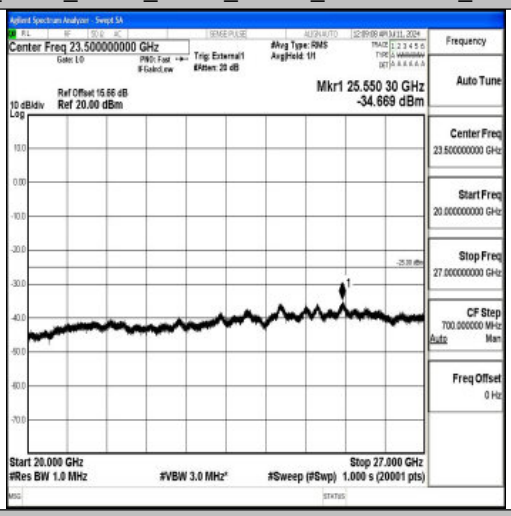

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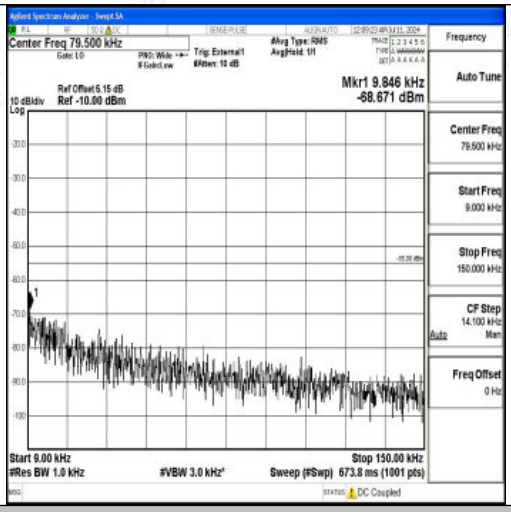

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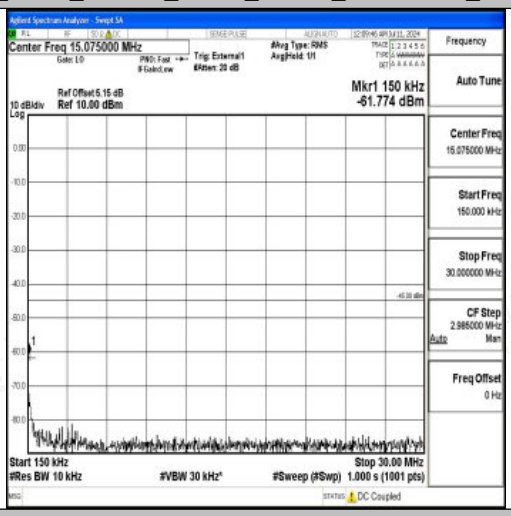

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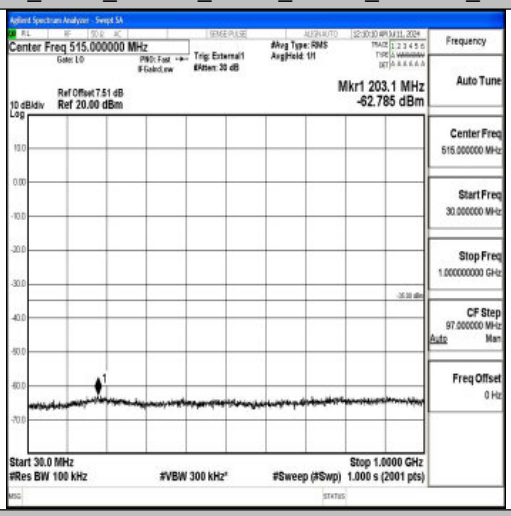

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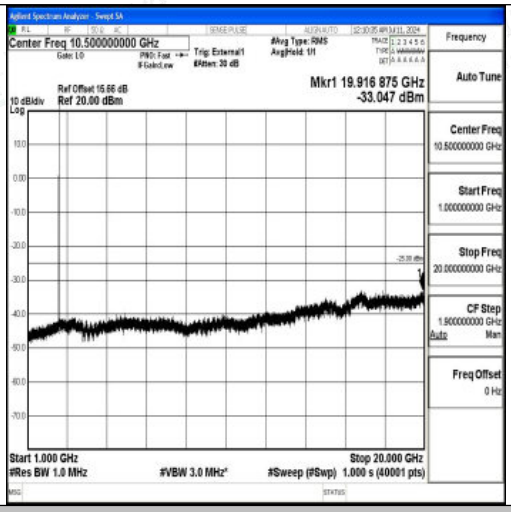

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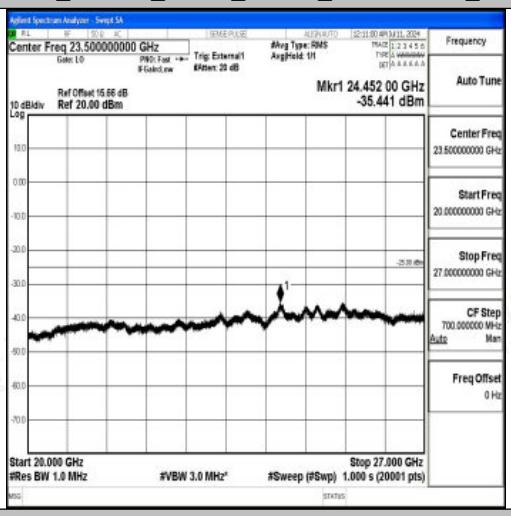

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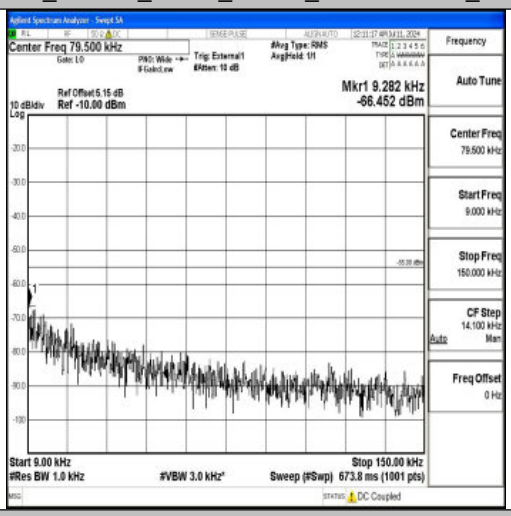

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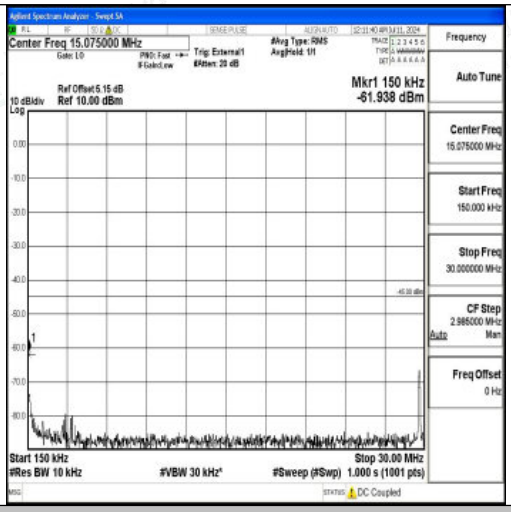

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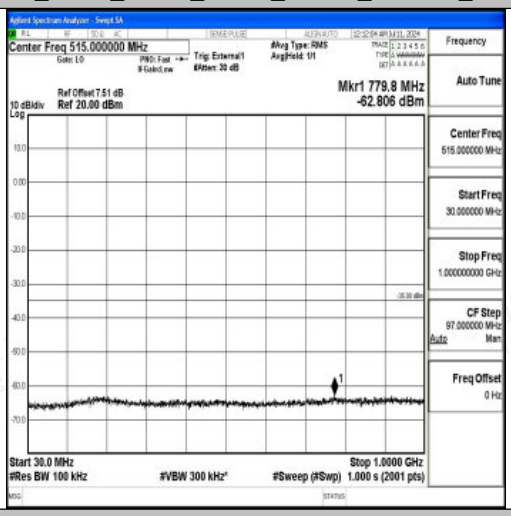

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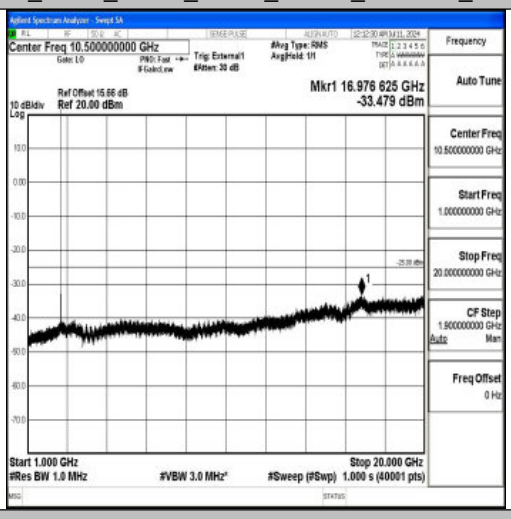

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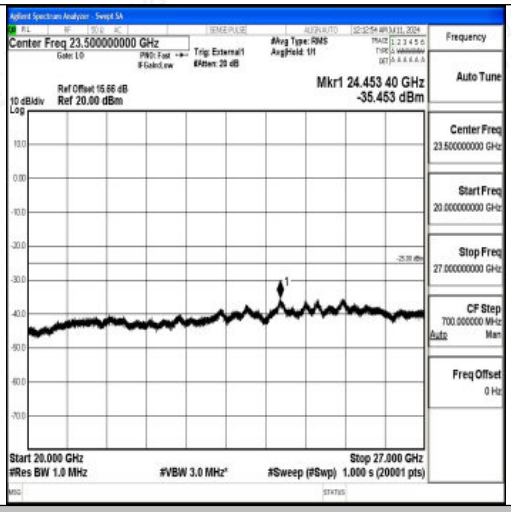
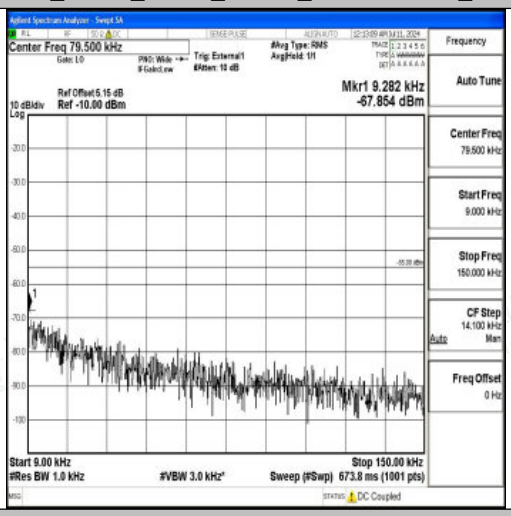


Band41_5MHz_QPSK_40620_1RB#0_20000~27000_20000~27000



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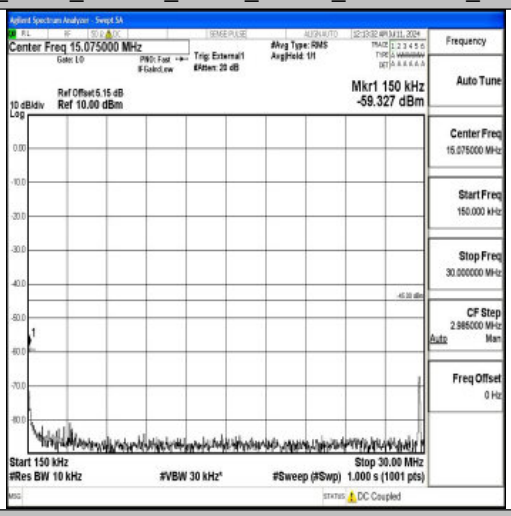

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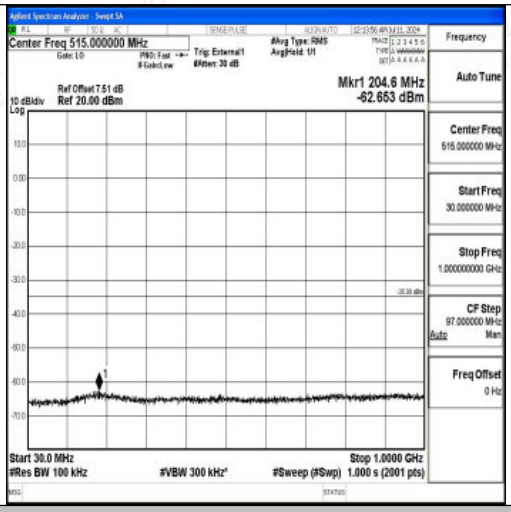

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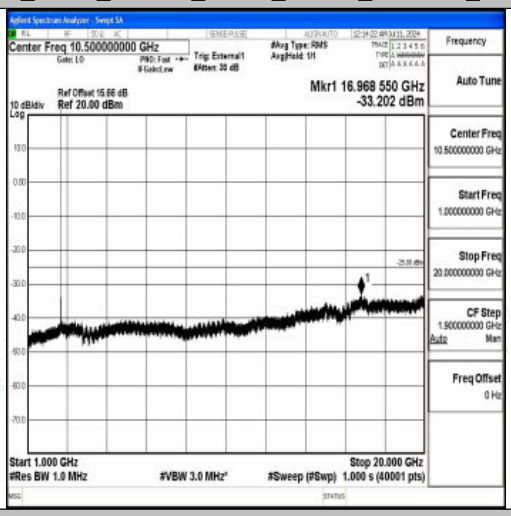

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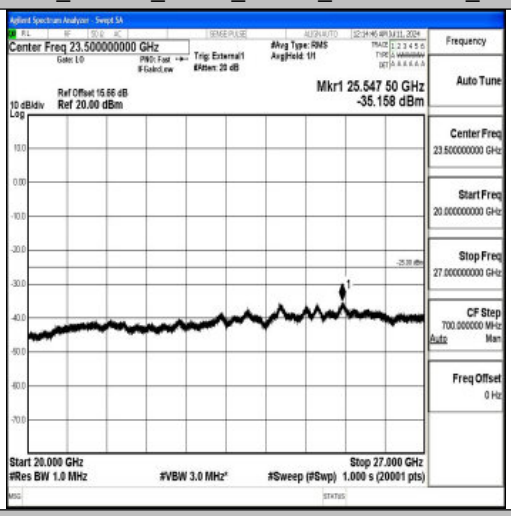

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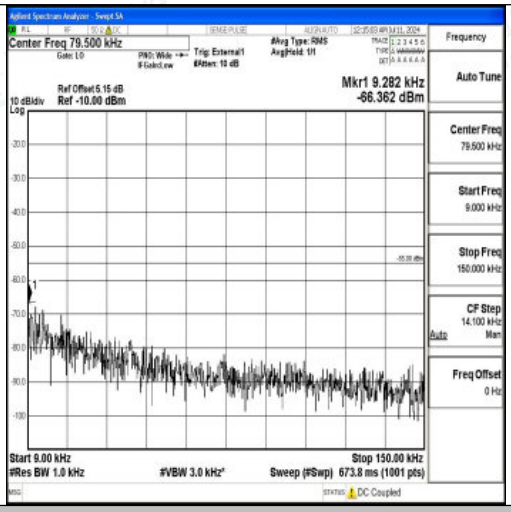

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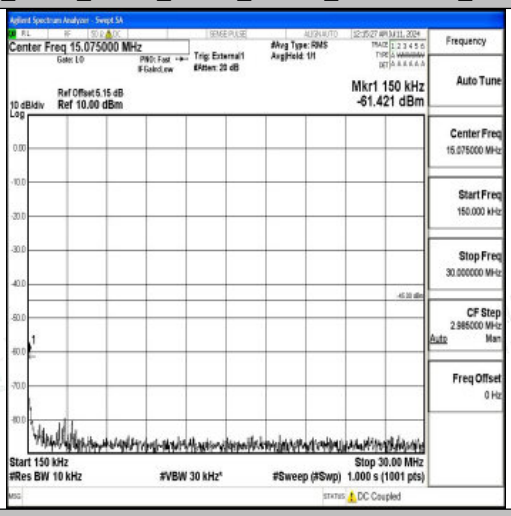

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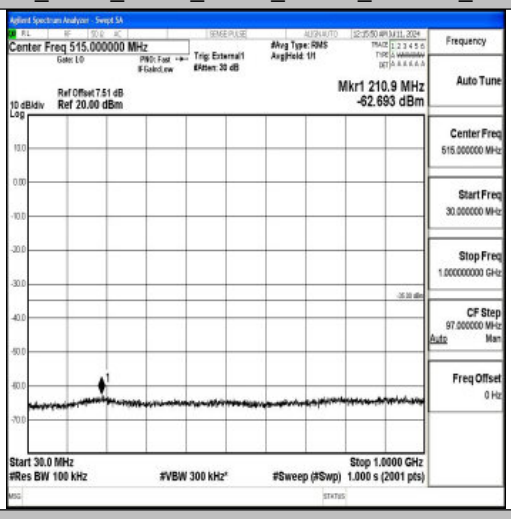

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