



Appendix D: Test Data for E-UTRA Band 7

Product Name: 4G module

Test Model: TM18NA

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Eason Zhou
Supervised by:	Nick Peng





D.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	20.61	PASS
Band7	5MHz	16QAM	20775	1RB#0	19.21	PASS
Band7	5MHz	QPSK	20775	1RB#12	20.90	PASS
Band7	5MHz	16QAM	20775	1RB#12	19.26	PASS
Band7	5MHz	QPSK	20775	1RB#24	20.48	PASS
Band7	5MHz	16QAM	20775	1RB#24	19.36	PASS
Band7	5MHz	QPSK	20775	12RB#0	19.81	PASS
Band7	5MHz	16QAM	20775	12RB#0	19.05	PASS
Band7	5MHz	QPSK	20775	12RB#6	19.91	PASS
Band7	5MHz	16QAM	20775	12RB#6	19.04	PASS
Band7	5MHz	QPSK	20775	12RB#13	19.81	PASS
Band7	5MHz	16QAM	20775	12RB#13	19.04	PASS
Band7	5MHz	QPSK	20775	25RB#0	19.80	PASS
Band7	5MHz	16QAM	20775	25RB#0	19.10	PASS
Band7	5MHz	QPSK	21100	1RB#0	20.76	PASS
Band7	5MHz	16QAM	21100	1RB#0	19.79	PASS
Band7	5MHz	QPSK	21100	1RB#12	20.66	PASS
Band7	5MHz	16QAM	21100	1RB#12	19.52	PASS
Band7	5MHz	QPSK	21100	1RB#24	20.64	PASS
Band7	5MHz	16QAM	21100	1RB#24	19.50	PASS
Band7	5MHz	QPSK	21100	12RB#0	19.79	PASS
Band7	5MHz	16QAM	21100	12RB#0	18.93	PASS
Band7	5MHz	QPSK	21100	12RB#6	19.83	PASS
Band7	5MHz	16QAM	21100	12RB#6	19.13	PASS
Band7	5MHz	QPSK	21100	12RB#13	19.65	PASS
Band7	5MHz	16QAM	21100	12RB#13	18.95	PASS
Band7	5MHz	QPSK	21100	25RB#0	19.75	PASS
Band7	5MHz	16QAM	21100	25RB#0	18.78	PASS
Band7	5MHz	QPSK	21425	1RB#0	21.05	PASS
Band7	5MHz	16QAM	21425	1RB#0	20.45	PASS
Band7	5MHz	QPSK	21425	1RB#12	21.36	PASS
Band7	5MHz	16QAM	21425	1RB#12	20.51	PASS
Band7	5MHz	QPSK	21425	1RB#24	21.07	PASS
Band7	5MHz	16QAM	21425	1RB#24	20.58	PASS
Band7	5MHz	QPSK	21425	12RB#0	20.92	PASS



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Band7	5MHz	16QAM	21425	12RB#0	20.16	PASS
Band7	5MHz	QPSK	21425	12RB#6	20.90	PASS
Band7	5MHz	16QAM	21425	12RB#6	20.16	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.01	PASS
Band7	5MHz	16QAM	21425	12RB#13	20.23	PASS
Band7	5MHz	QPSK	21425	25RB#0	20.93	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.27	PASS
Band7	10MHz	QPSK	20800	1RB#0	20.32	PASS
Band7	10MHz	16QAM	20800	1RB#0	20.29	PASS
Band7	10MHz	QPSK	20800	1RB#24	20.57	PASS
Band7	10MHz	16QAM	20800	1RB#24	20.38	PASS
Band7	10MHz	QPSK	20800	1RB#49	21.01	PASS
Band7	10MHz	16QAM	20800	1RB#49	20.45	PASS
Band7	10MHz	QPSK	20800	25RB#0	20.43	PASS
Band7	10MHz	16QAM	20800	25RB#0	19.61	PASS
Band7	10MHz	QPSK	20800	25RB#12	20.45	PASS
Band7	10MHz	16QAM	20800	25RB#12	19.60	PASS
Band7	10MHz	QPSK	20800	25RB#25	20.56	PASS
Band7	10MHz	16QAM	20800	25RB#25	19.76	PASS
Band7	10MHz	QPSK	20800	50RB#0	20.53	PASS
Band7	10MHz	16QAM	20800	50RB#0	19.75	PASS
Band7	10MHz	QPSK	21100	1RB#0	21.63	PASS
Band7	10MHz	16QAM	21100	1RB#0	20.68	PASS
Band7	10MHz	QPSK	21100	1RB#24	21.42	PASS
Band7	10MHz	16QAM	21100	1RB#24	20.53	PASS
Band7	10MHz	QPSK	21100	1RB#49	21.15	PASS
Band7	10MHz	16QAM	21100	1RB#49	19.78	PASS
Band7	10MHz	QPSK	21100	25RB#0	20.76	PASS
Band7	10MHz	16QAM	21100	25RB#0	19.89	PASS
Band7	10MHz	QPSK	21100	25RB#12	20.58	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.06	PASS
Band7	10MHz	QPSK	21100	25RB#25	20.34	PASS
Band7	10MHz	16QAM	21100	25RB#25	19.73	PASS
Band7	10MHz	QPSK	21100	50RB#0	20.43	PASS
Band7	10MHz	16QAM	21100	50RB#0	19.81	PASS
Band7	10MHz	QPSK	21400	1RB#0	20.84	PASS
Band7	10MHz	16QAM	21400	1RB#0	20.69	PASS
Band7	10MHz	QPSK	21400	1RB#24	21.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	21.39	PASS



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Band7	10MHz	16QAM	21400	1RB#49	21.02	PASS
Band7	10MHz	QPSK	21400	25RB#0	20.73	PASS
Band7	10MHz	16QAM	21400	25RB#0	19.97	PASS
Band7	10MHz	QPSK	21400	25RB#12	20.80	PASS
Band7	10MHz	16QAM	21400	25RB#12	19.96	PASS
Band7	10MHz	QPSK	21400	25RB#25	20.89	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.02	PASS
Band7	10MHz	QPSK	21400	50RB#0	20.79	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.06	PASS
Band7	15MHz	QPSK	20825	1RB#0	20.30	PASS
Band7	15MHz	16QAM	20825	1RB#0	20.27	PASS
Band7	15MHz	QPSK	20825	1RB#38	20.68	PASS
Band7	15MHz	16QAM	20825	1RB#38	20.67	PASS
Band7	15MHz	QPSK	20825	1RB#74	20.98	PASS
Band7	15MHz	16QAM	20825	1RB#74	20.83	PASS
Band7	15MHz	QPSK	20825	38RB#0	20.59	PASS
Band7	15MHz	16QAM	20825	38RB#0	20.58	PASS
Band7	15MHz	QPSK	20825	38RB#18	20.57	PASS
Band7	15MHz	16QAM	20825	38RB#18	20.57	PASS
Band7	15MHz	QPSK	20825	38RB#37	20.56	PASS
Band7	15MHz	16QAM	20825	38RB#37	20.56	PASS
Band7	15MHz	QPSK	20825	75RB#0	20.55	PASS
Band7	15MHz	16QAM	20825	75RB#0	19.77	PASS
Band7	15MHz	QPSK	21100	1RB#0	21.28	PASS
Band7	15MHz	16QAM	21100	1RB#0	20.98	PASS
Band7	15MHz	QPSK	21100	1RB#38	21.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	20.78	PASS
Band7	15MHz	QPSK	21100	1RB#74	21.10	PASS
Band7	15MHz	16QAM	21100	1RB#74	20.64	PASS
Band7	15MHz	QPSK	21100	38RB#0	20.62	PASS
Band7	15MHz	16QAM	21100	38RB#0	20.63	PASS
Band7	15MHz	QPSK	21100	38RB#18	20.63	PASS
Band7	15MHz	16QAM	21100	38RB#18	20.53	PASS
Band7	15MHz	QPSK	21100	38RB#37	20.50	PASS
Band7	15MHz	16QAM	21100	38RB#37	20.51	PASS
Band7	15MHz	QPSK	21100	75RB#0	20.51	PASS
Band7	15MHz	16QAM	21100	75RB#0	19.83	PASS
Band7	15MHz	QPSK	21375	1RB#0	20.90	PASS
Band7	15MHz	16QAM	21375	1RB#0	20.55	PASS
Band7	15MHz	QPSK	21375	1RB#38	20.89	PASS



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Band7	15MHz	16QAM	21375	1RB#38	20.66	PASS
Band7	15MHz	QPSK	21375	1RB#74	21.03	PASS
Band7	15MHz	16QAM	21375	1RB#74	20.81	PASS
Band7	15MHz	QPSK	21375	38RB#0	20.73	PASS
Band7	15MHz	16QAM	21375	38RB#0	20.71	PASS
Band7	15MHz	QPSK	21375	38RB#18	20.71	PASS
Band7	15MHz	16QAM	21375	38RB#18	20.78	PASS
Band7	15MHz	QPSK	21375	38RB#37	20.78	PASS
Band7	15MHz	16QAM	21375	38RB#37	20.77	PASS
Band7	15MHz	QPSK	21375	75RB#0	20.77	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	20.31	PASS
Band7	20MHz	16QAM	20850	1RB#0	20.06	PASS
Band7	20MHz	QPSK	20850	1RB#49	20.87	PASS
Band7	20MHz	16QAM	20850	1RB#49	20.32	PASS
Band7	20MHz	QPSK	20850	1RB#99	21.77	PASS
Band7	20MHz	16QAM	20850	1RB#99	20.61	PASS
Band7	20MHz	QPSK	20850	50RB#0	20.39	PASS
Band7	20MHz	16QAM	20850	50RB#0	19.89	PASS
Band7	20MHz	QPSK	20850	50RB#25	20.39	PASS
Band7	20MHz	16QAM	20850	50RB#25	19.89	PASS
Band7	20MHz	QPSK	20850	50RB#50	20.80	PASS
Band7	20MHz	16QAM	20850	50RB#50	20.12	PASS
Band7	20MHz	QPSK	20850	100RB#0	20.70	PASS
Band7	20MHz	16QAM	20850	100RB#0	19.91	PASS
Band7	20MHz	QPSK	21100	1RB#0	21.79	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.58	PASS
Band7	20MHz	QPSK	21100	1RB#49	21.43	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.07	PASS
Band7	20MHz	QPSK	21100	1RB#99	21.30	PASS
Band7	20MHz	16QAM	21100	1RB#99	20.85	PASS
Band7	20MHz	QPSK	21100	50RB#0	20.60	PASS
Band7	20MHz	16QAM	21100	50RB#0	19.98	PASS
Band7	20MHz	QPSK	21100	50RB#25	20.89	PASS
Band7	20MHz	16QAM	21100	50RB#25	20.00	PASS
Band7	20MHz	QPSK	21100	50RB#50	20.58	PASS
Band7	20MHz	16QAM	21100	50RB#50	19.70	PASS
Band7	20MHz	QPSK	21100	100RB#0	20.59	PASS
Band7	20MHz	16QAM	21100	100RB#0	19.85	PASS
Band7	20MHz	QPSK	21350	1RB#0	20.82	PASS



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Band7	20MHz	16QAM	21350	1RB#0	20.44	PASS
Band7	20MHz	QPSK	21350	1RB#49	20.76	PASS
Band7	20MHz	16QAM	21350	1RB#49	20.62	PASS
Band7	20MHz	QPSK	21350	1RB#99	21.43	PASS
Band7	20MHz	16QAM	21350	1RB#99	20.81	PASS
Band7	20MHz	QPSK	21350	50RB#0	20.57	PASS
Band7	20MHz	16QAM	21350	50RB#0	19.92	PASS
Band7	20MHz	QPSK	21350	50RB#25	20.57	PASS
Band7	20MHz	16QAM	21350	50RB#25	19.92	PASS
Band7	20MHz	QPSK	21350	50RB#50	20.89	PASS
Band7	20MHz	16QAM	21350	50RB#50	20.23	PASS
Band7	20MHz	QPSK	21350	100RB#0	20.73	PASS
Band7	20MHz	16QAM	21350	100RB#0	19.93	PASS





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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	4.51	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	4.82	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.10	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.70	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	4.51	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.36	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.34	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.00	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	4.54	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	4.85	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.07	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.72	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	4.36	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	4.64	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.11	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.73	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	4.41	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	5.17	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.33	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.05	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	4.58	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	4.92	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.09	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.82	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	4.35	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	4.63	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.40	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.86	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	4.34	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.24	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.59	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.10	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	4.62	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	4.95	13	PASS



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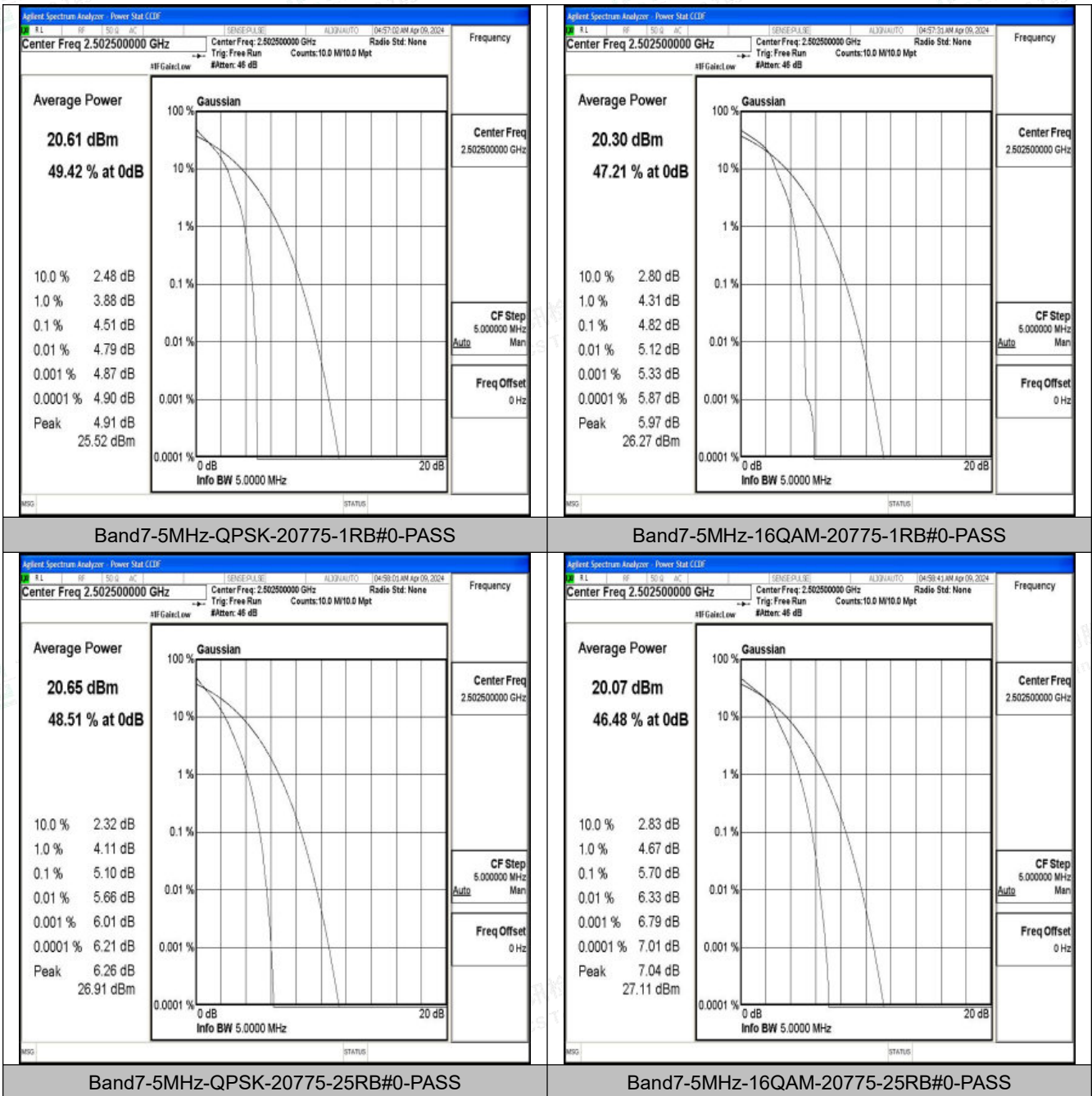


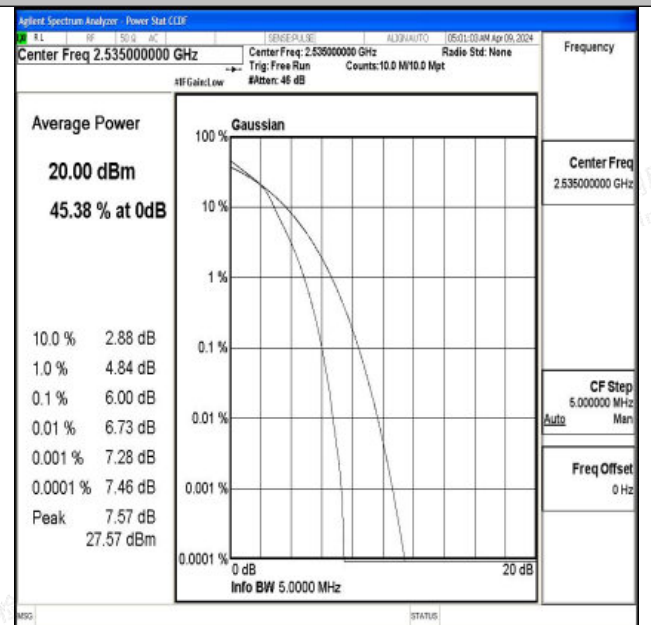
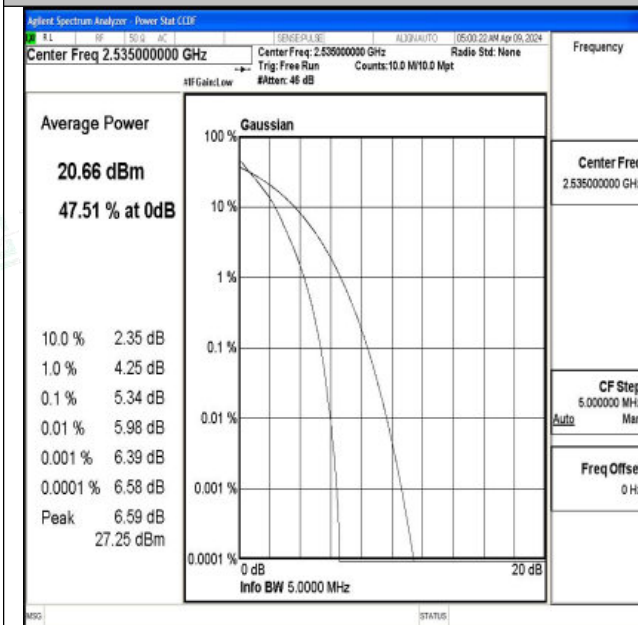
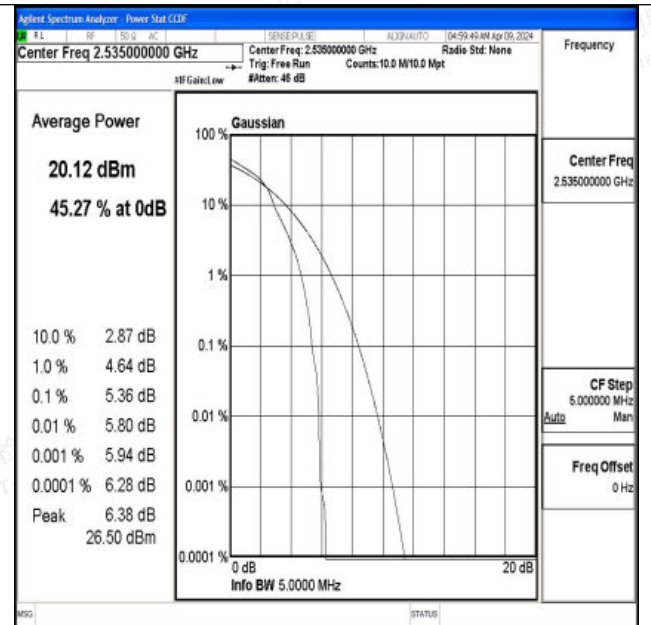
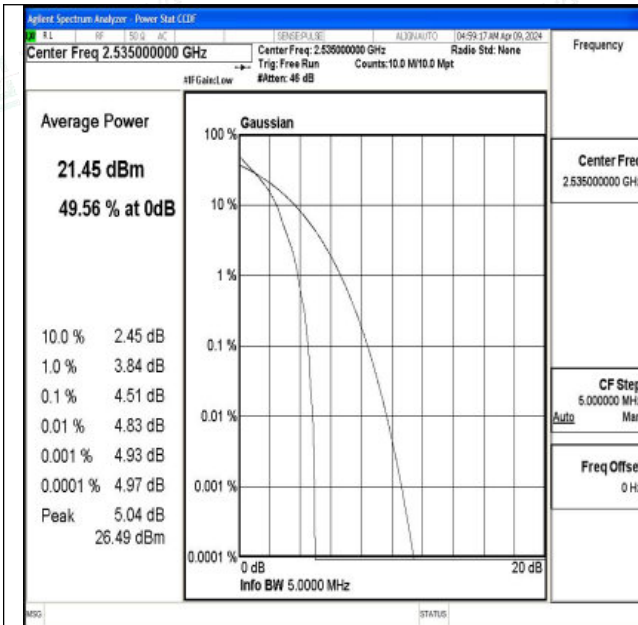
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Band7	20MHz	16QAM	20850	1RB#0	4.71	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.14	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.83	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.04	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.21	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.28	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.05	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.54	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.00	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.16	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.88	13	PASS

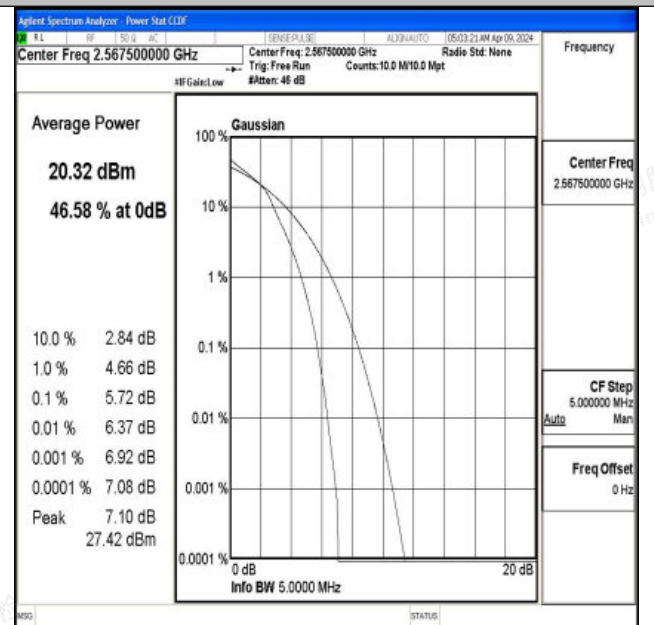
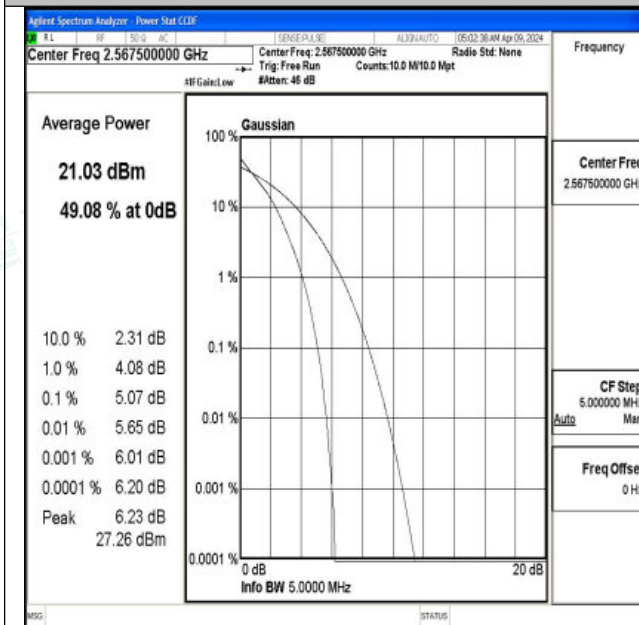
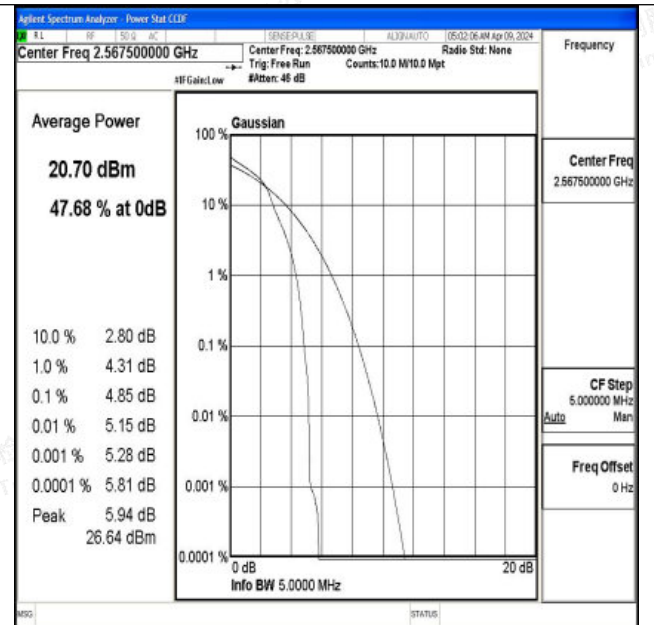
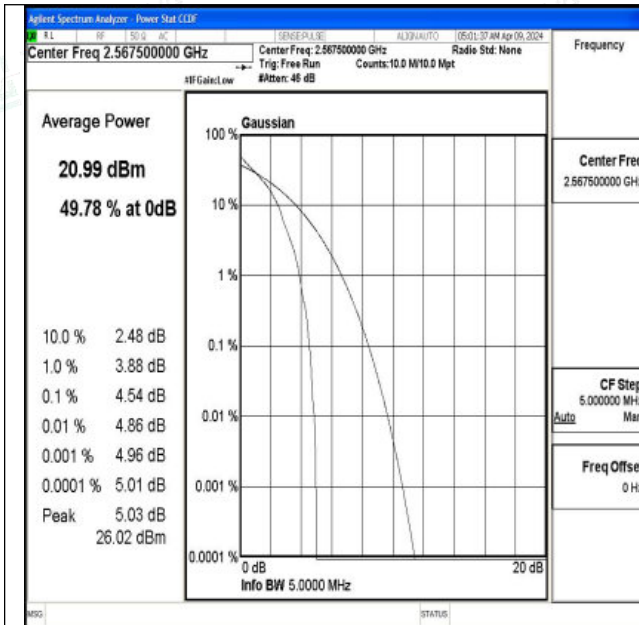




Test Graphs





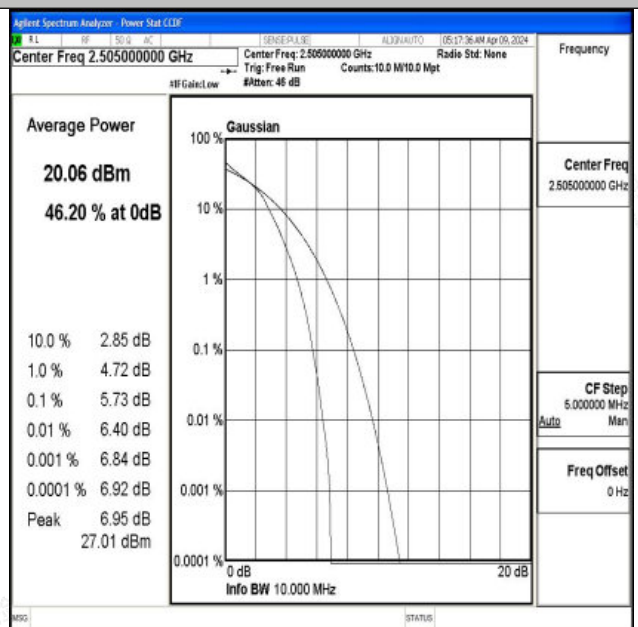
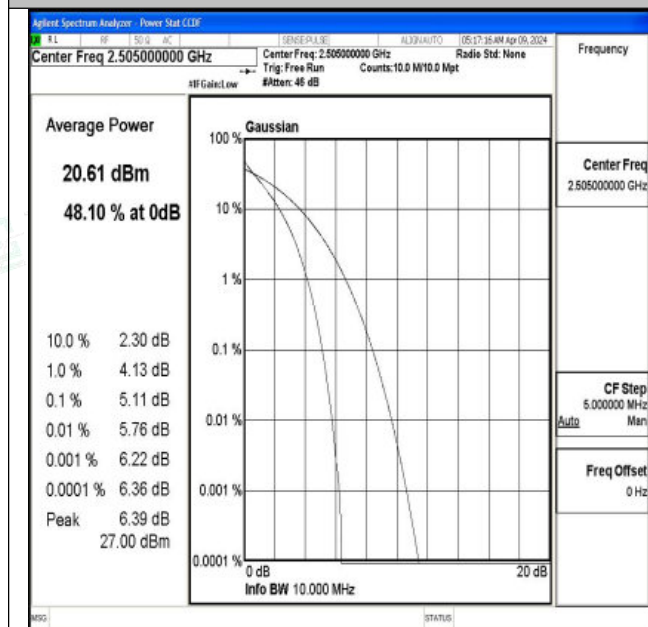
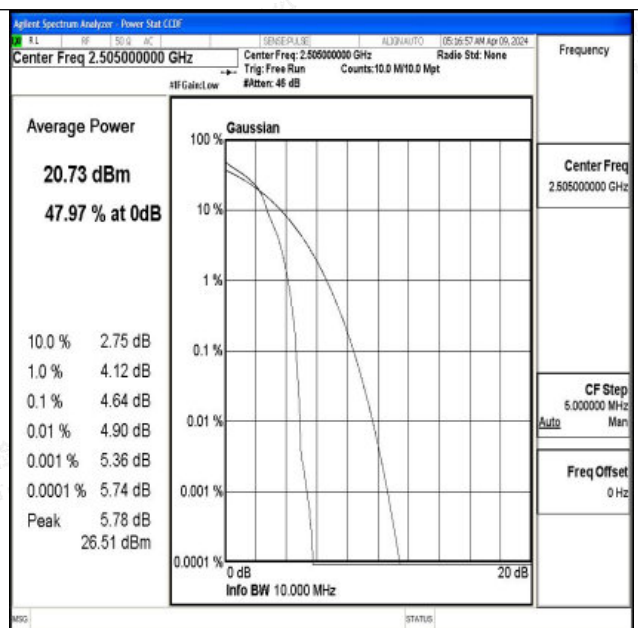
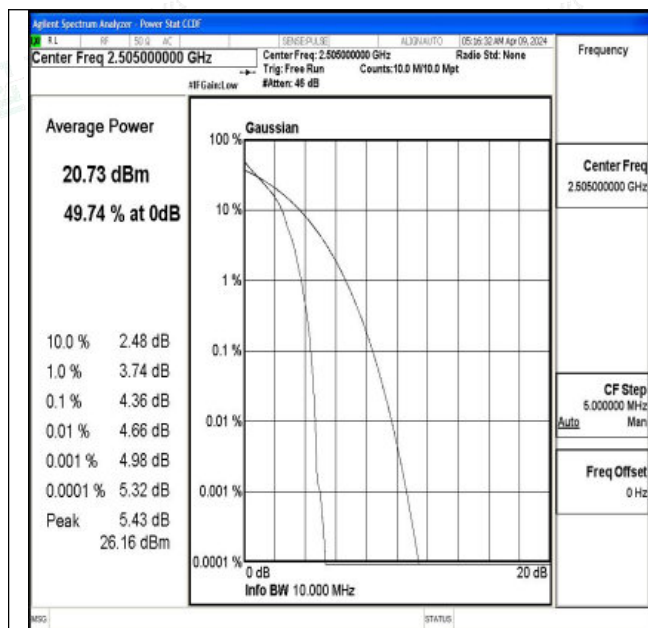


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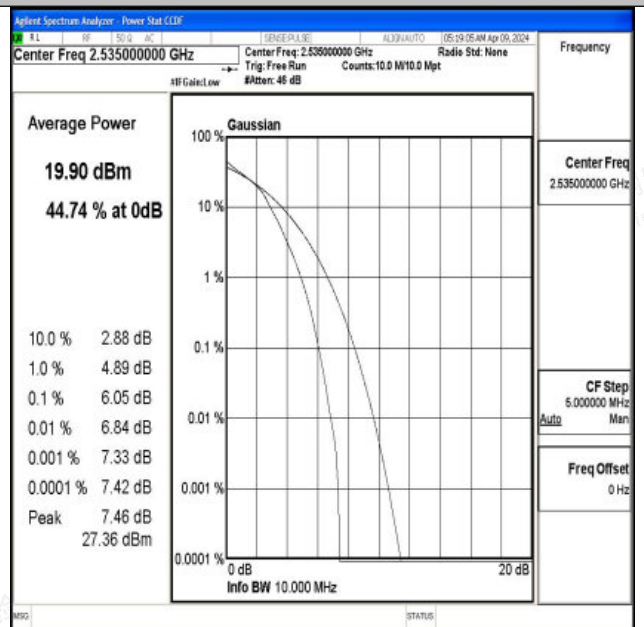
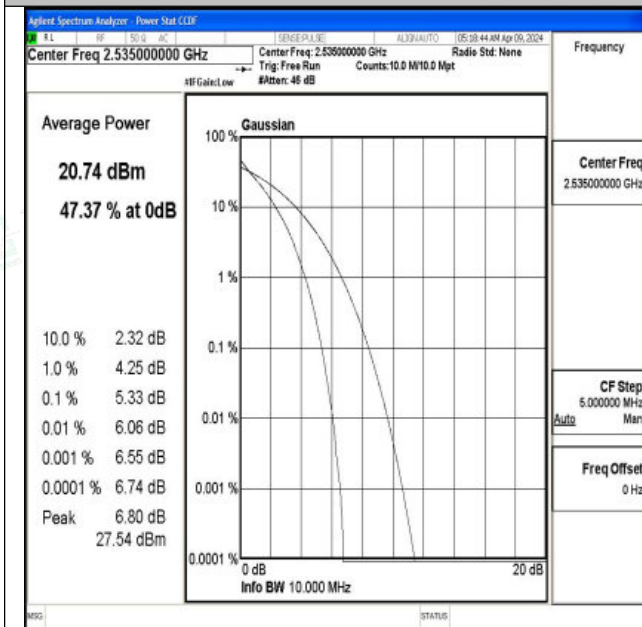
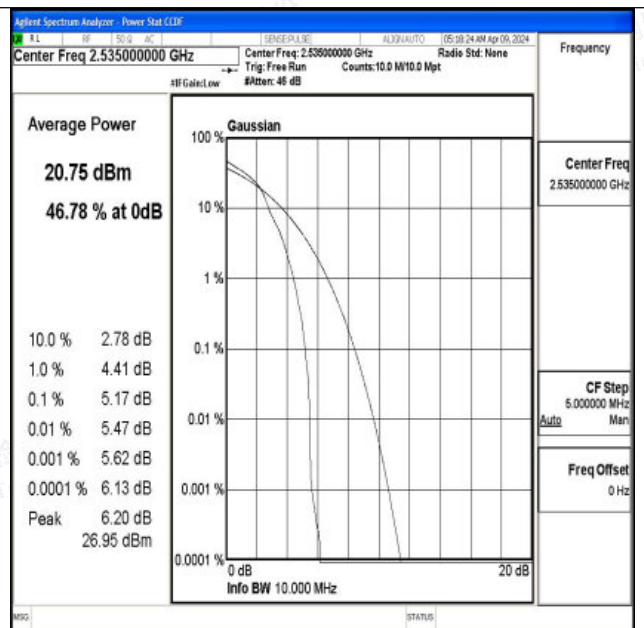
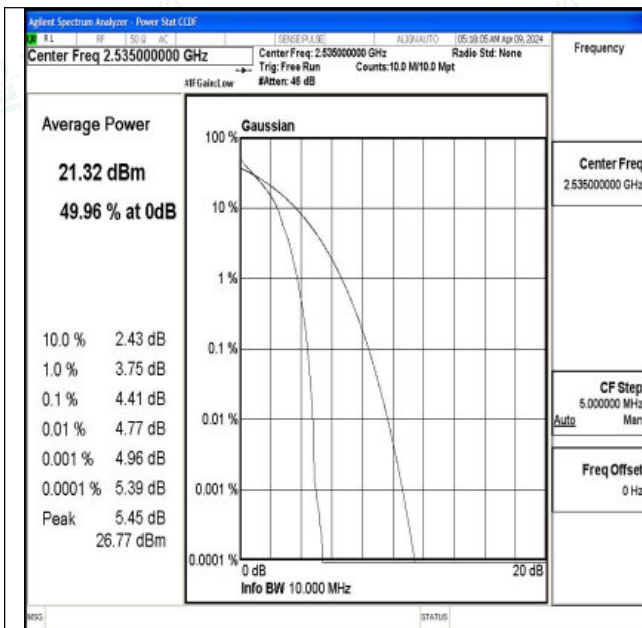


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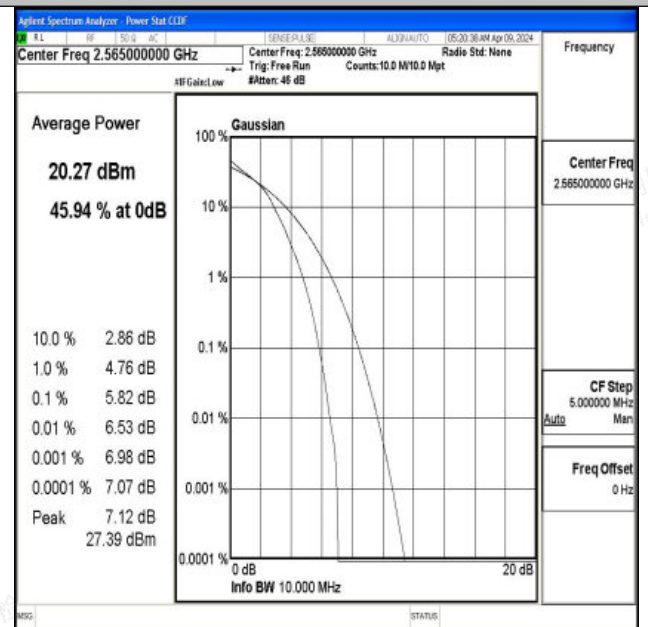
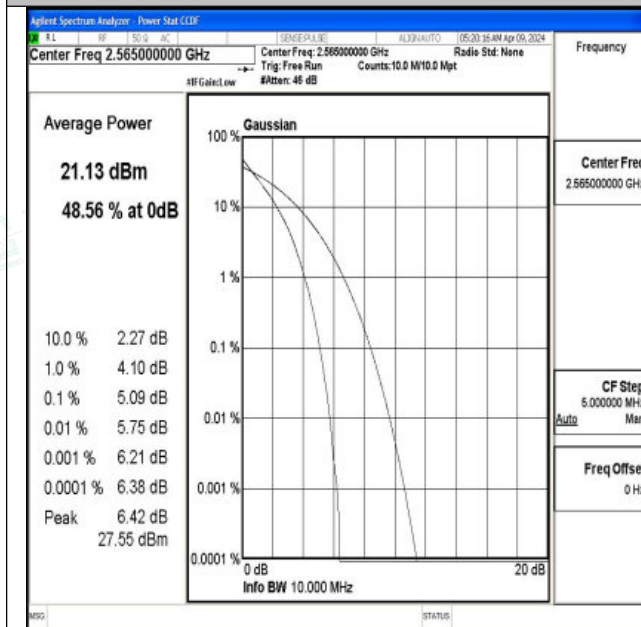
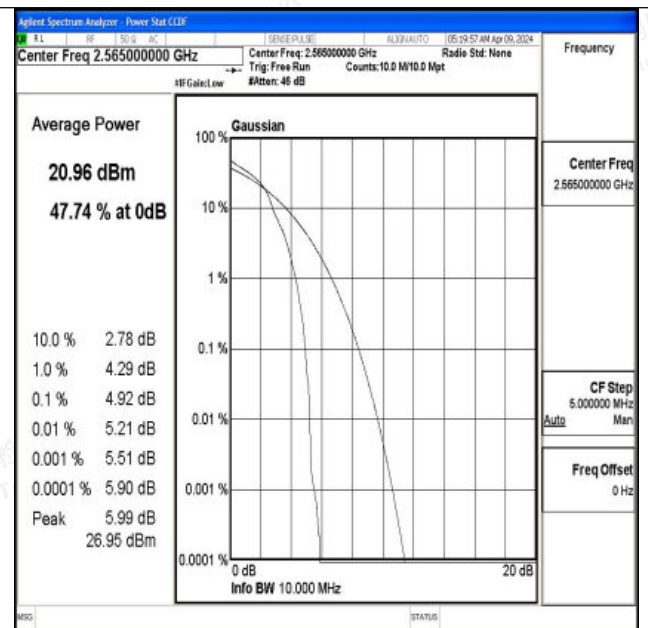
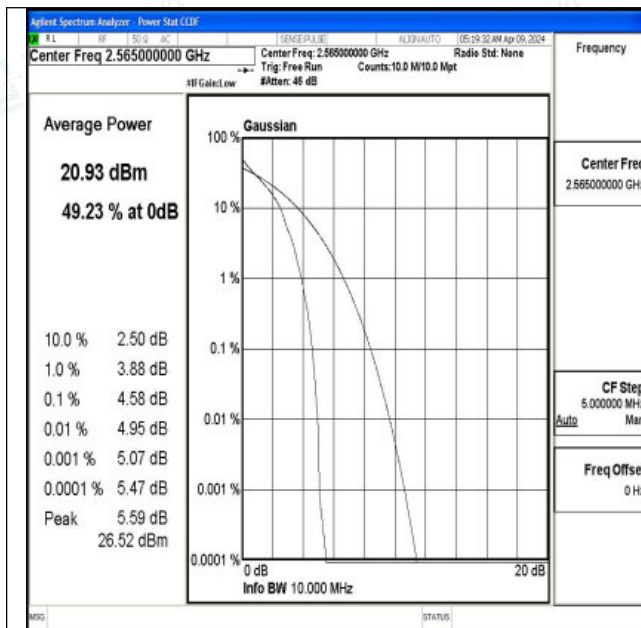


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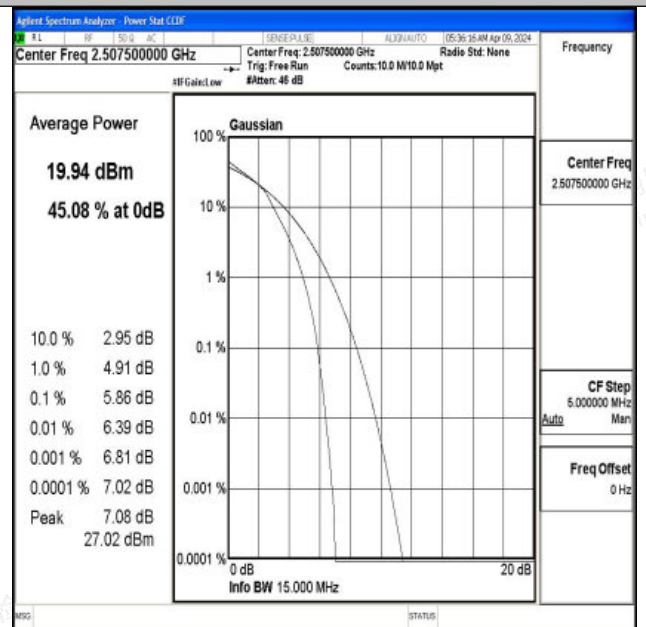
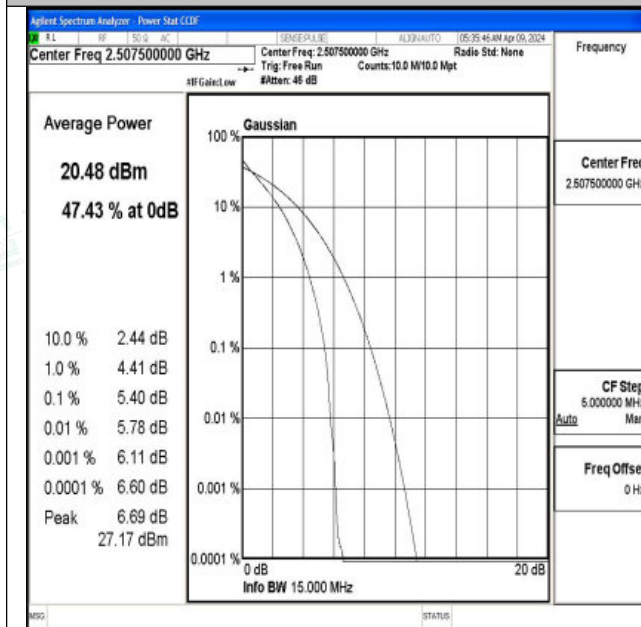
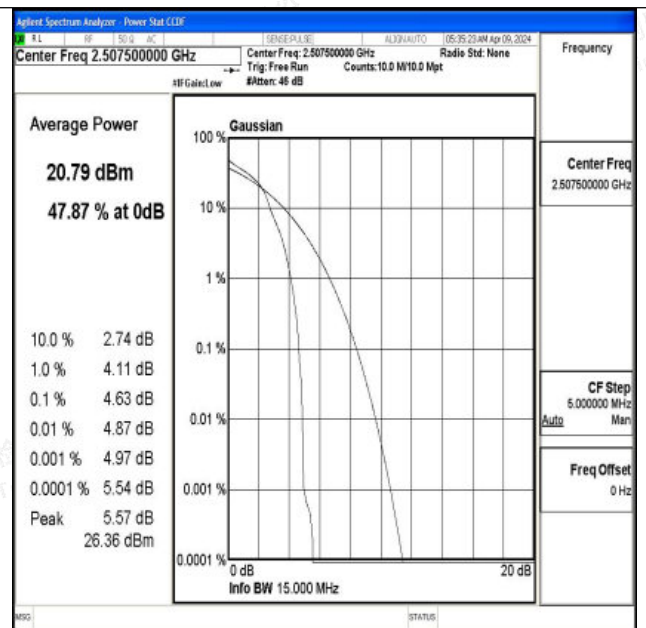
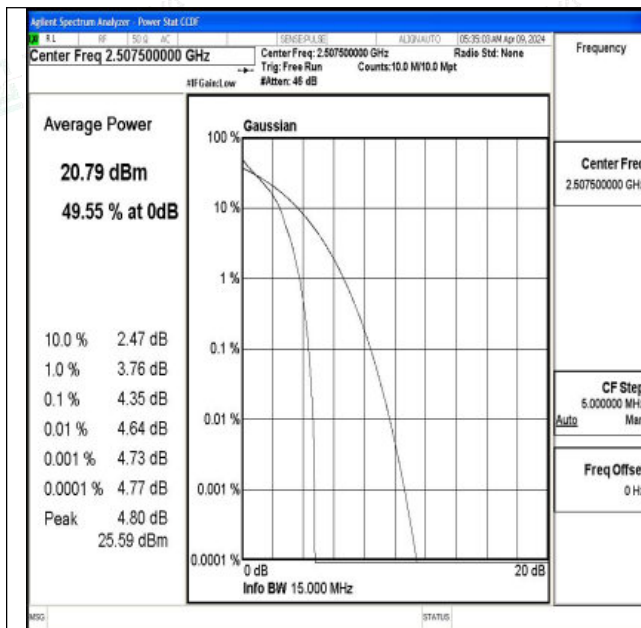


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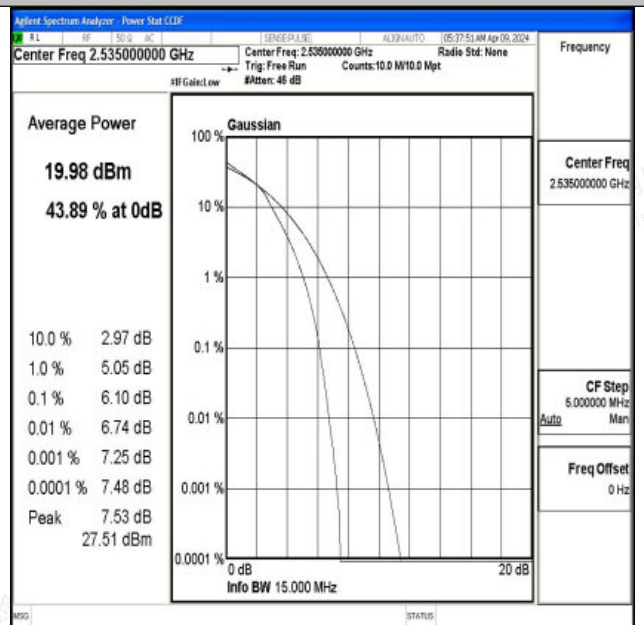
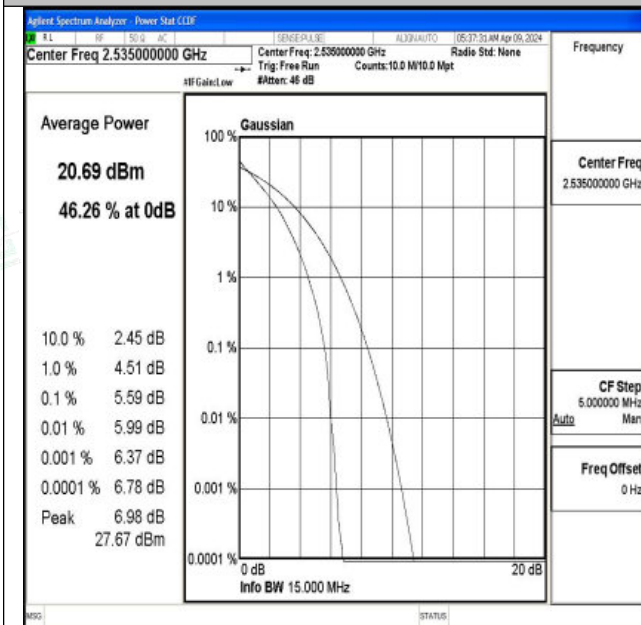
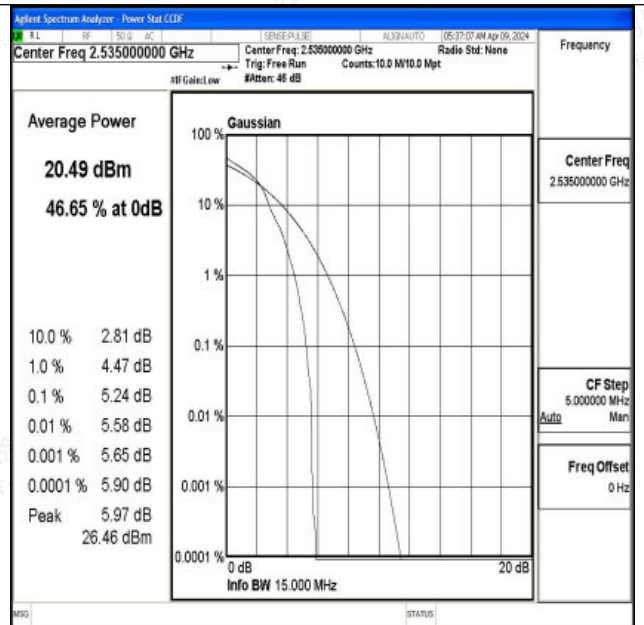
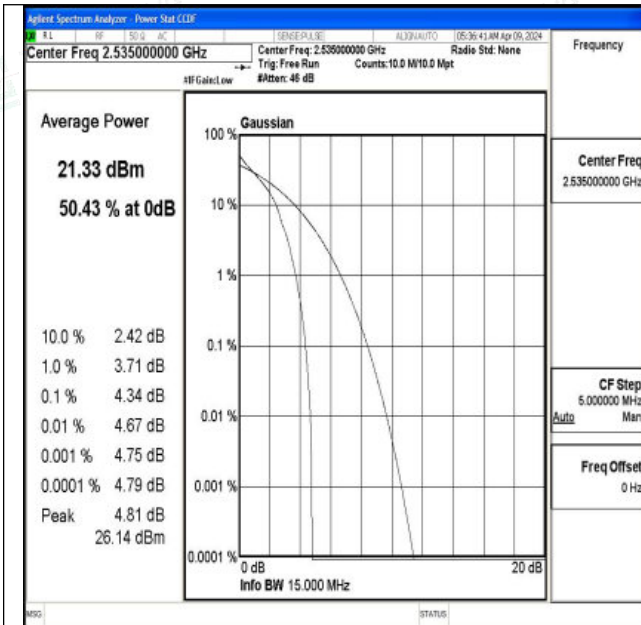


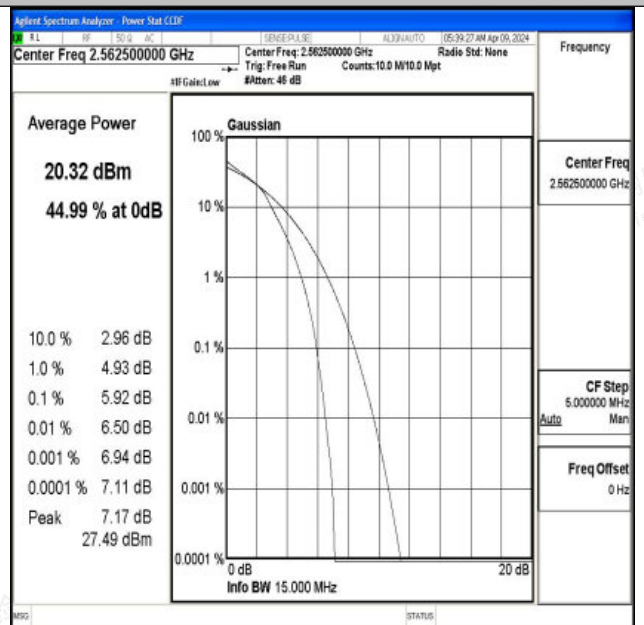
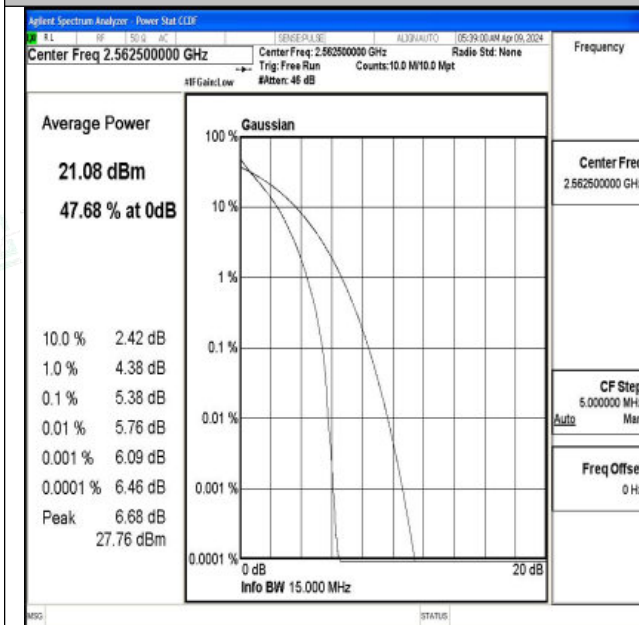
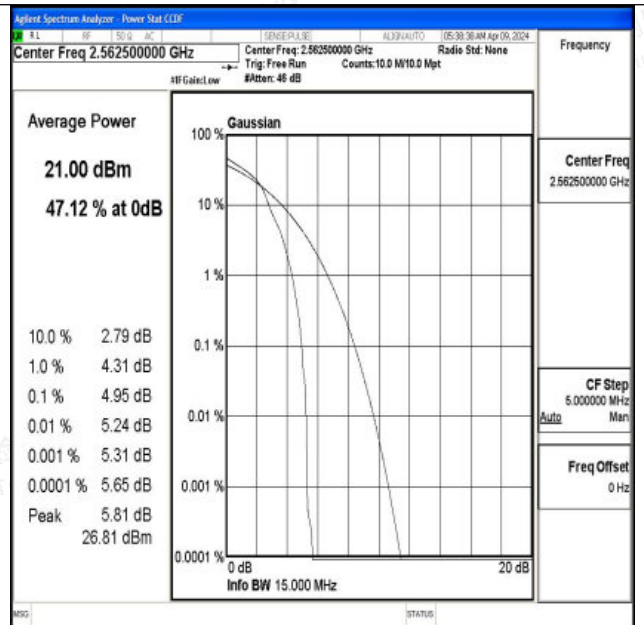
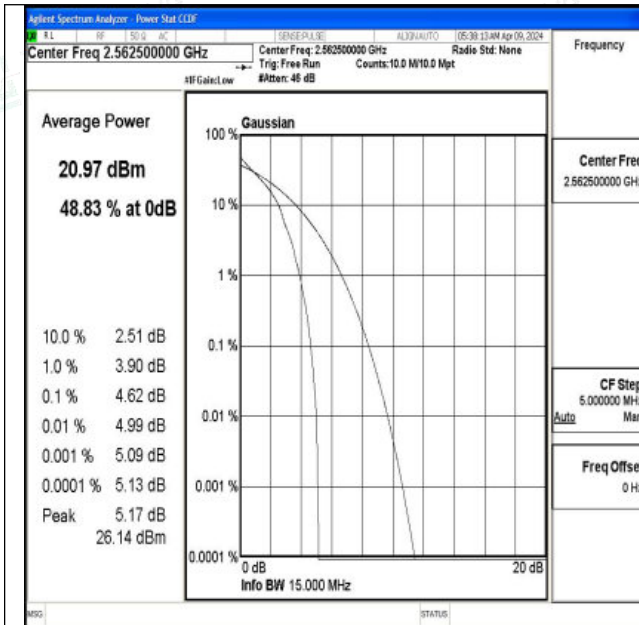
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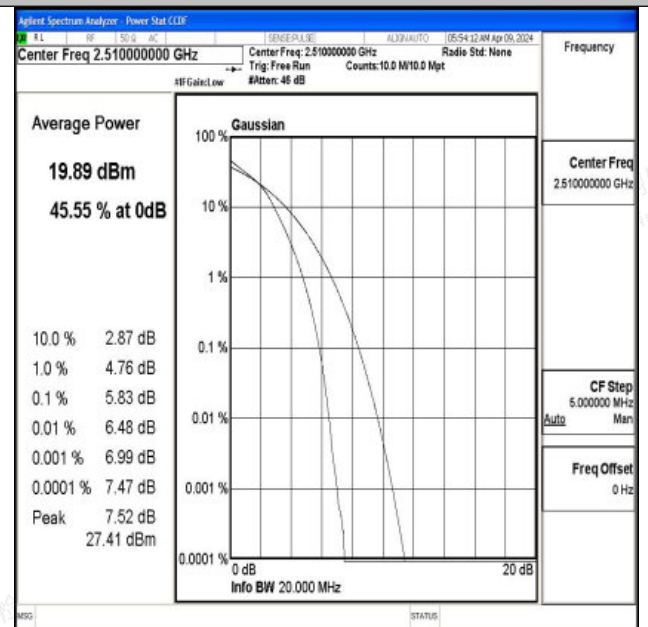
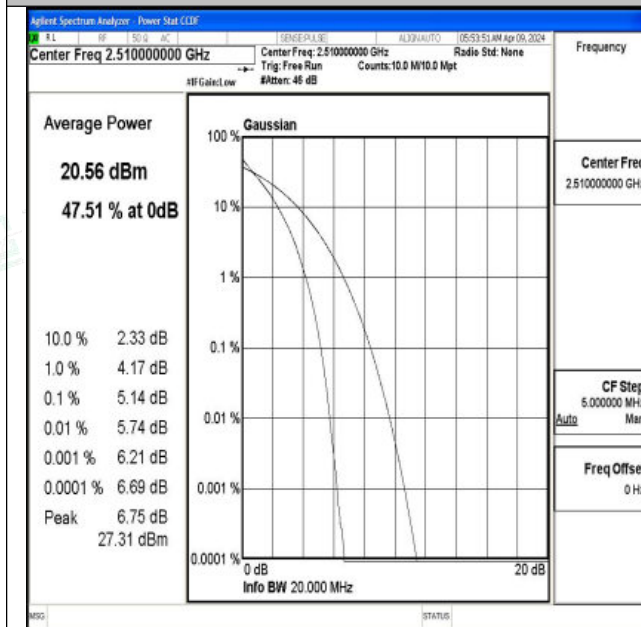
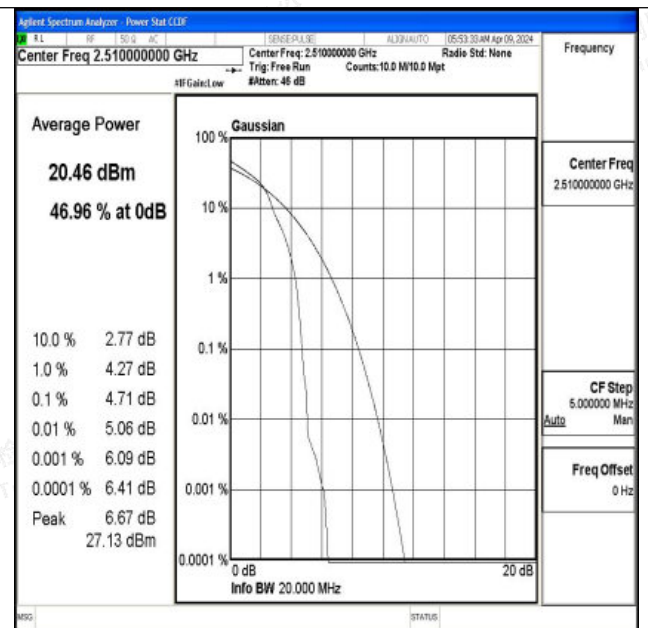
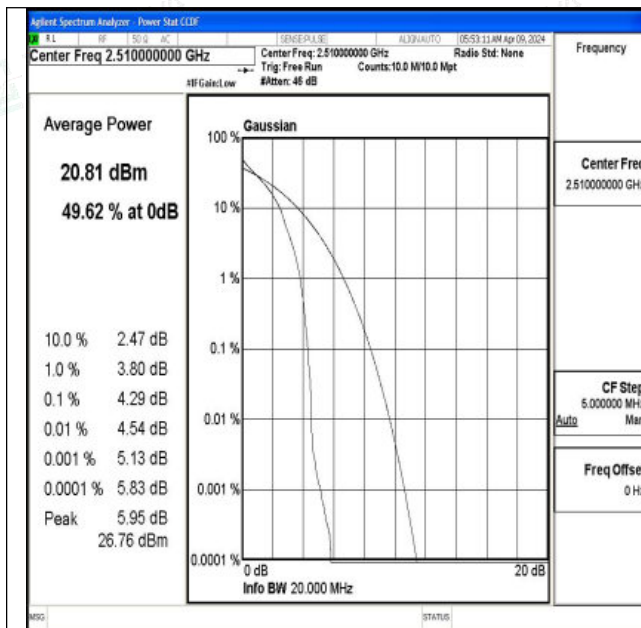
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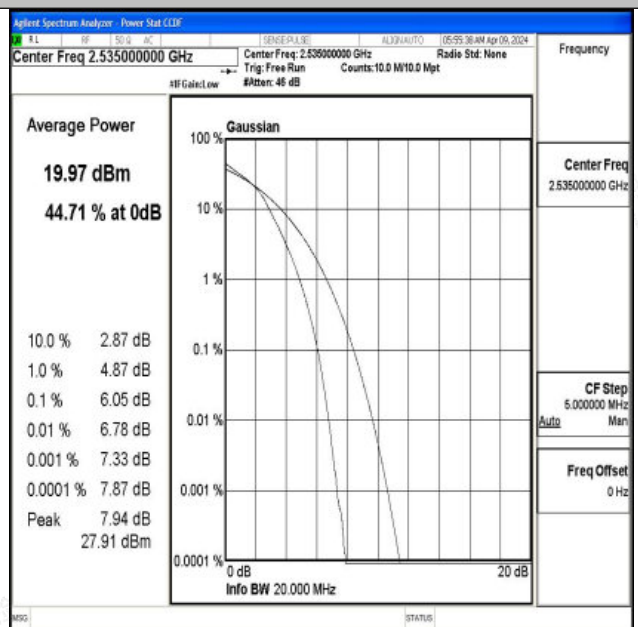
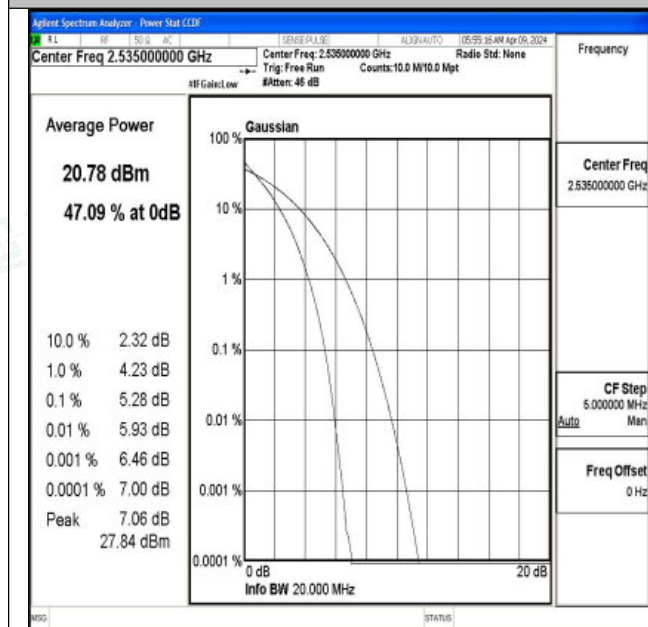
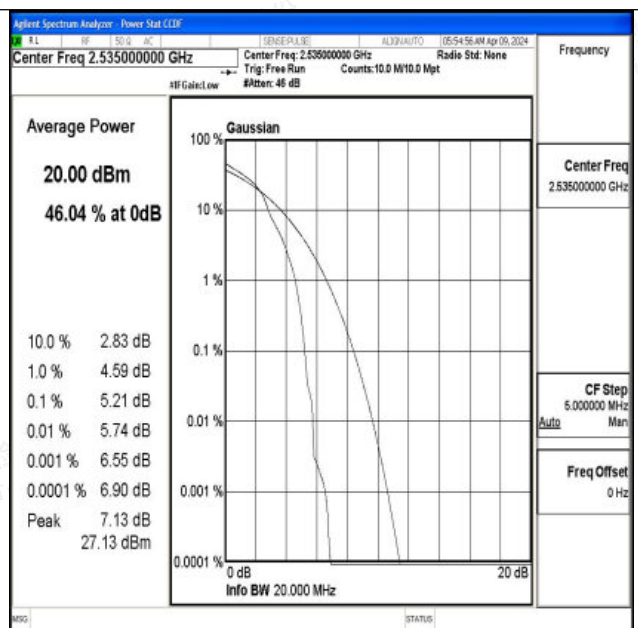
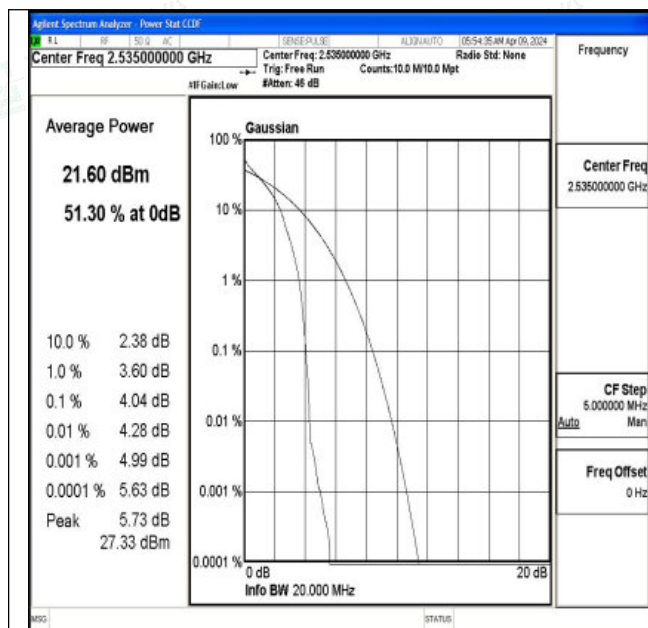


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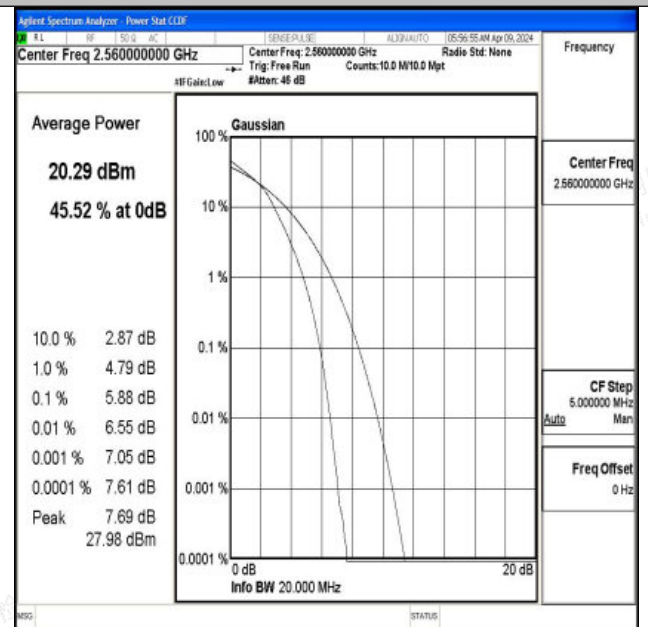
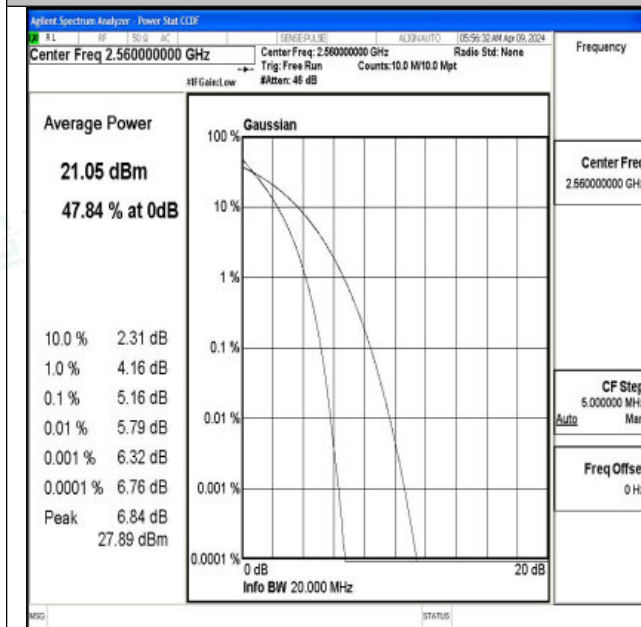
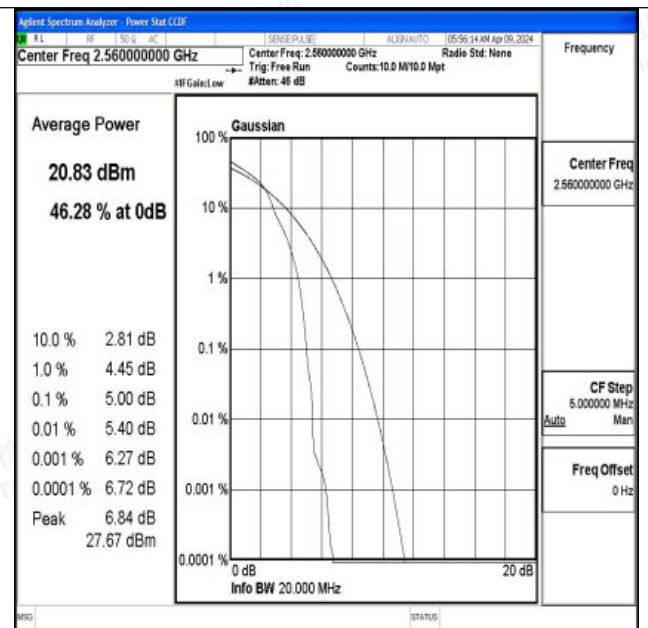
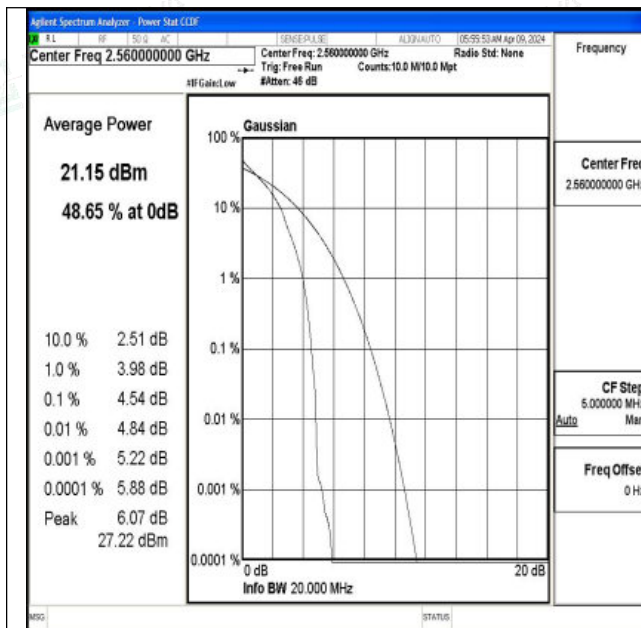


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D.3 26dB Bandwidth and Occupied Bandwidth

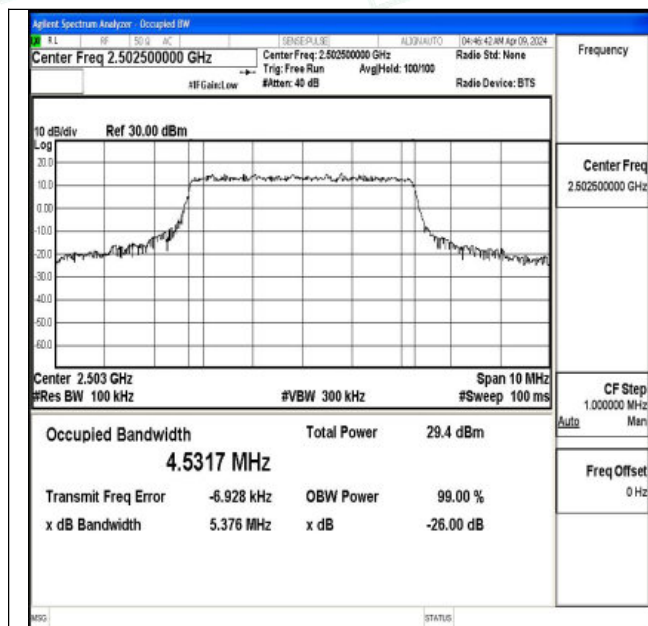
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5317	5.376	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5160	5.252	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5373	5.179	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5182	5.294	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5099	5.416	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5334	5.443	PASS
Band7	10MHz	QPSK	20800	50RB#0	9.0143	10.16	PASS
Band7	10MHz	16QAM	20800	50RB#0	9.0128	10.25	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9953	10.02	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9887	10.17	PASS
Band7	10MHz	QPSK	21400	50RB#0	9.0291	10.16	PASS
Band7	10MHz	16QAM	21400	50RB#0	9.0264	10.47	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.509	15.42	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.496	14.93	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.505	15.41	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.484	15.01	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.524	15.59	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.499	14.84	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.059	19.94	PASS
Band7	20MHz	16QAM	20850	100RB#0	18.076	20.24	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.981	20.20	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.989	19.98	PASS
Band7	20MHz	QPSK	21350	100RB#0	18.029	19.97	PASS
Band7	20MHz	16QAM	21350	100RB#0	18.015	20.48	PASS

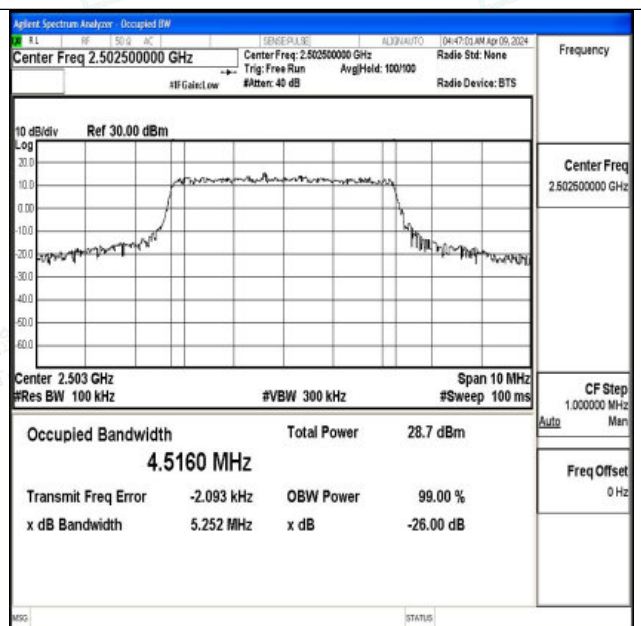




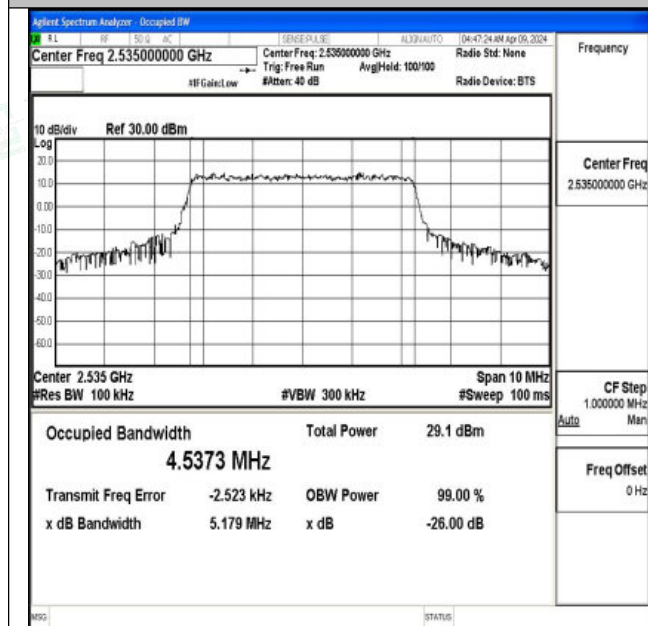
Test Graphs



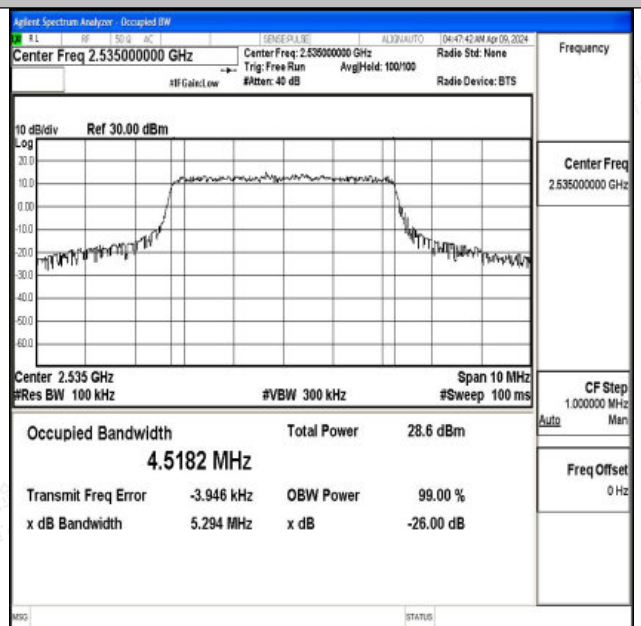
Band7-5MHz-QPSK-20775-25RB#0-PASS



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



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

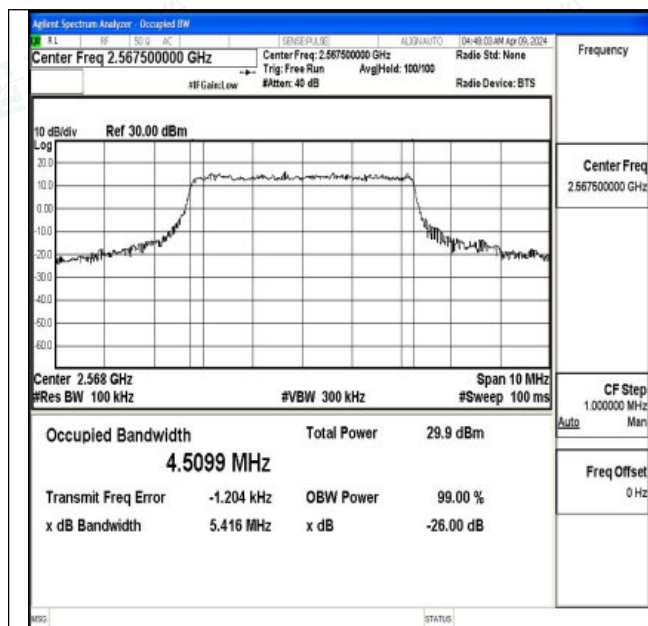


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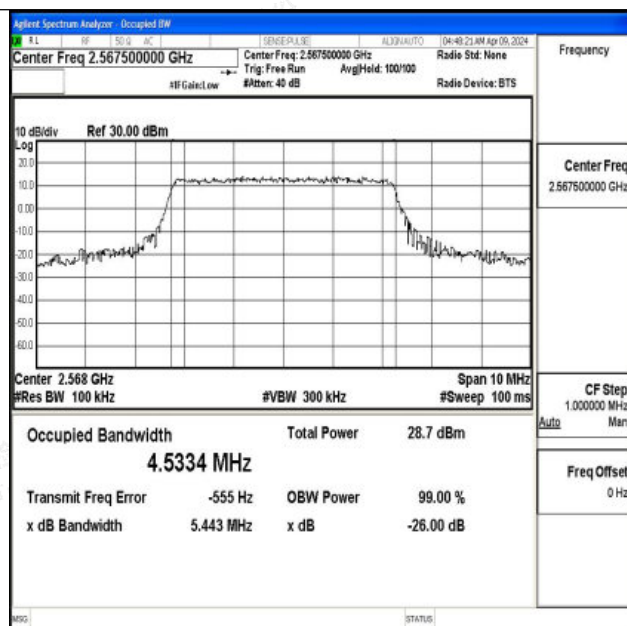
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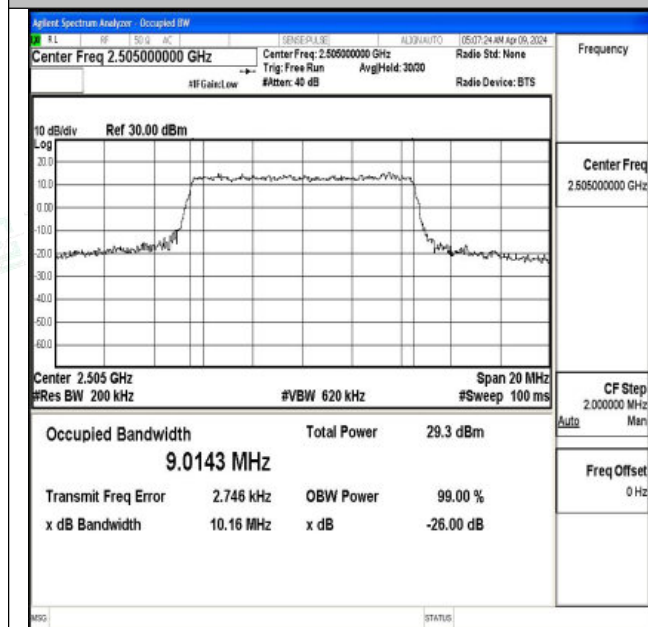
Scan code to check authenticity



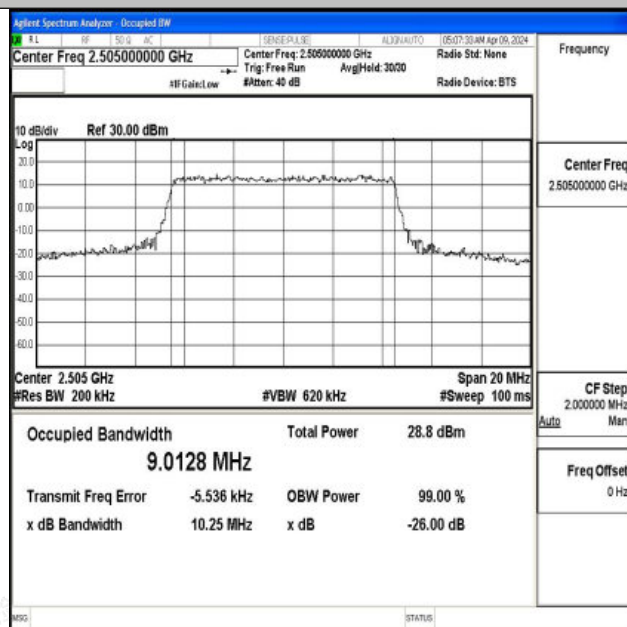
Band7-5MHz-QPSK-21425-25RB#0-PASS



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



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



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

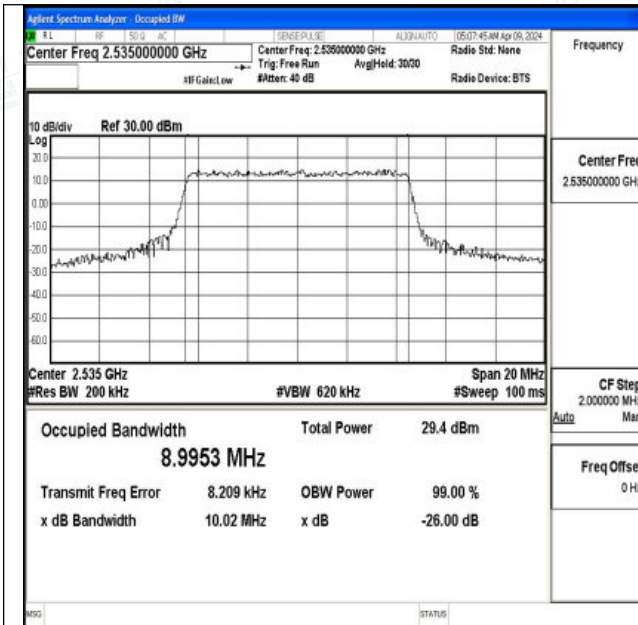


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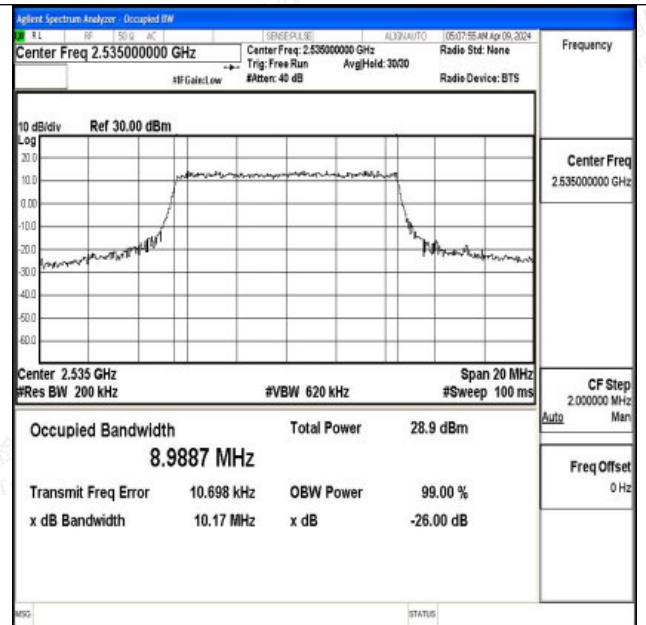
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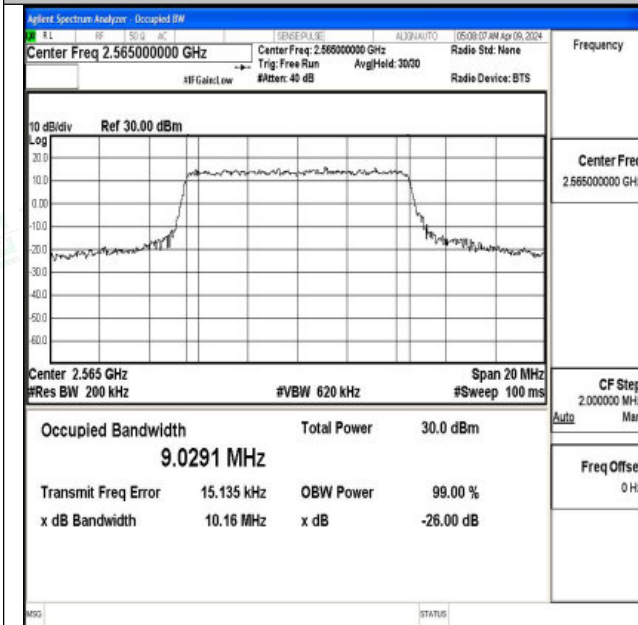
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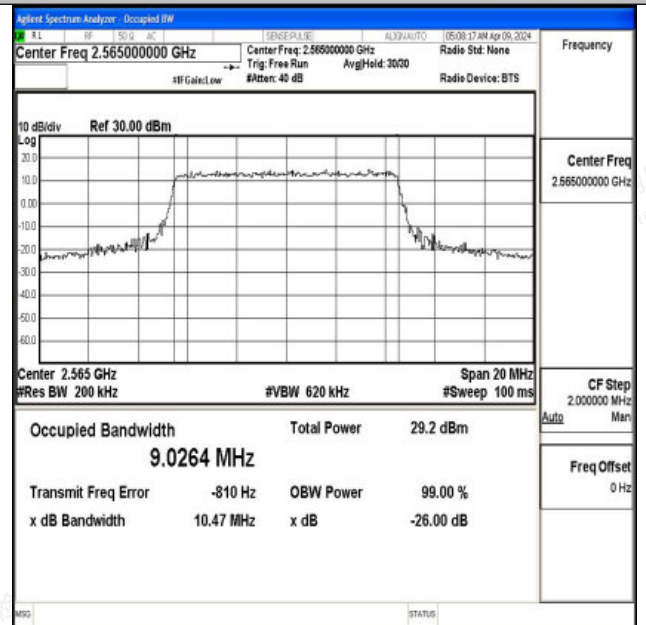
Band7-10MHz-QPSK-21100-50RB#0-PASS



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



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



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

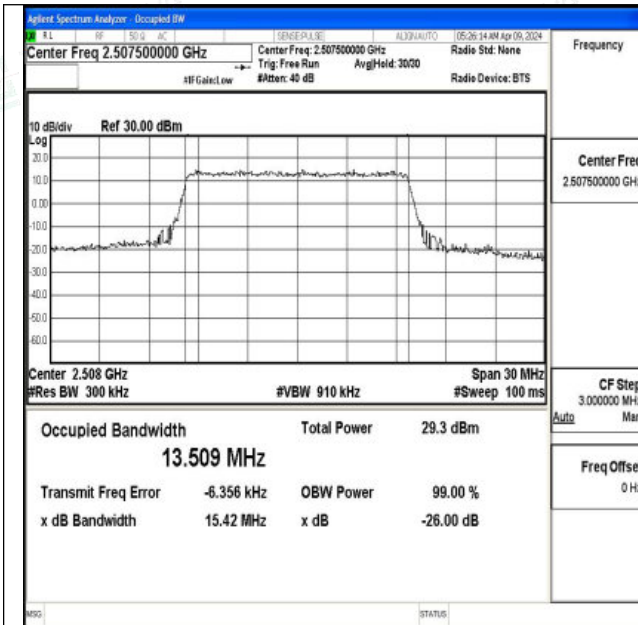


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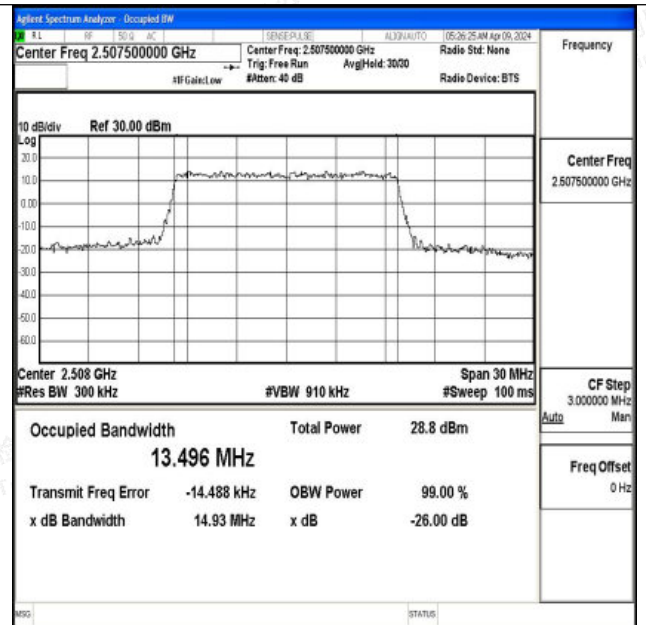
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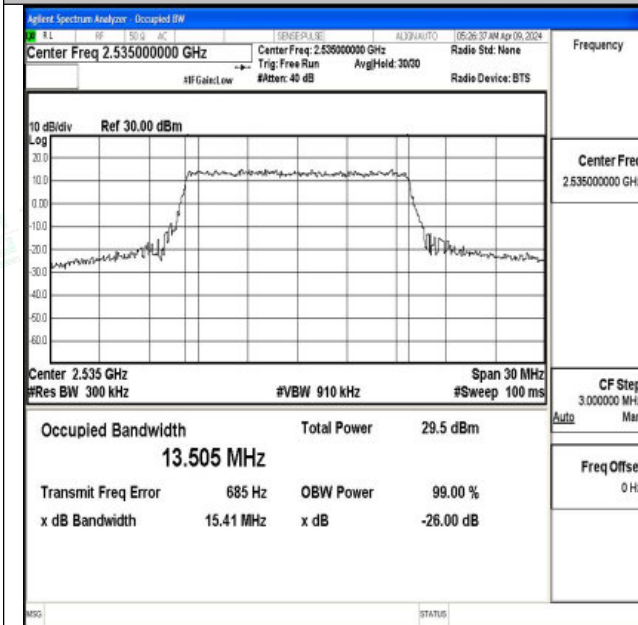
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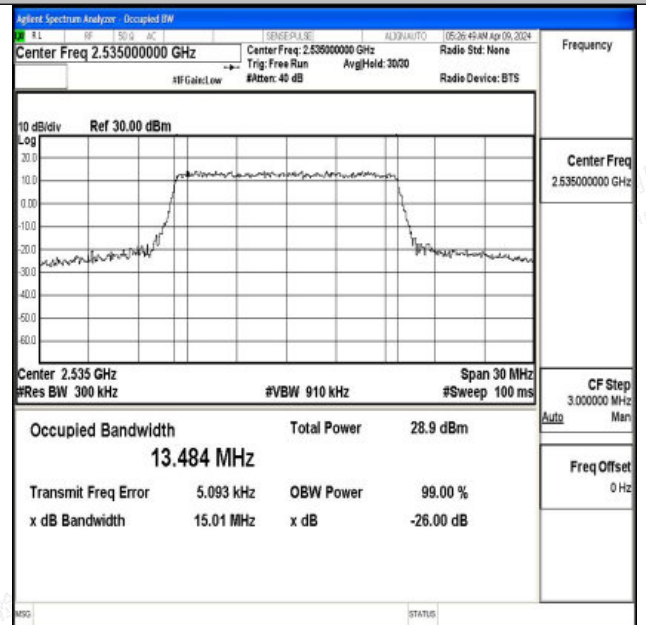
Band7-15MHz-QPSK-20825-75RB#0-PASS



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



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



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

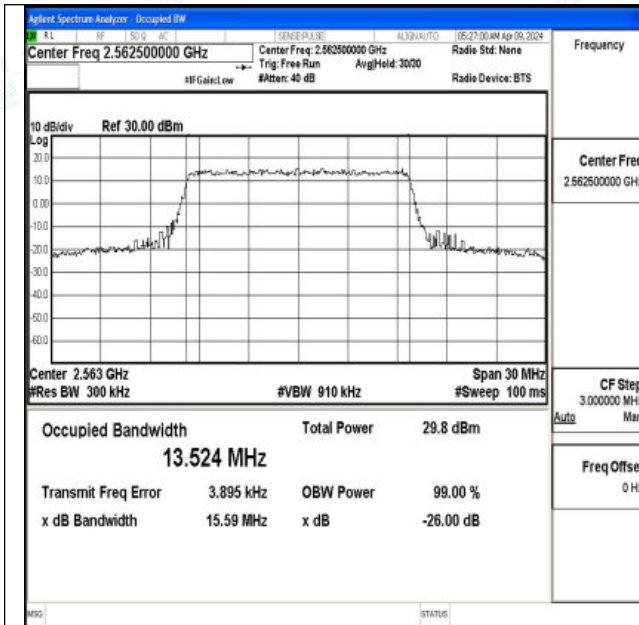


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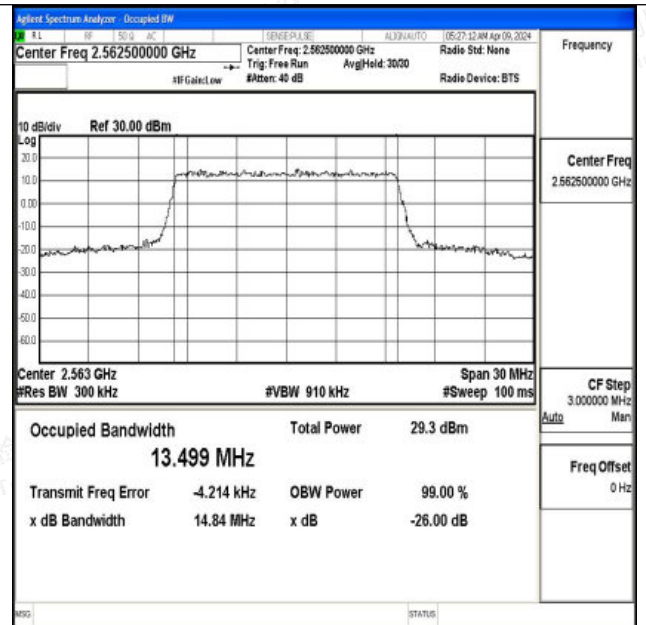
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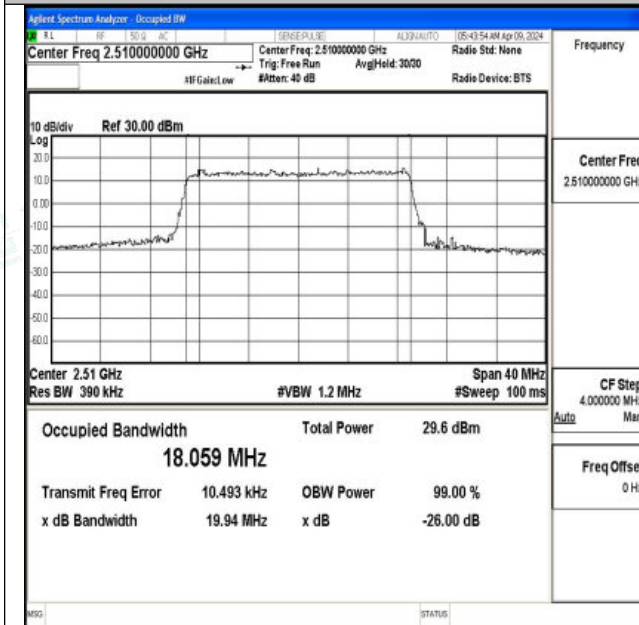
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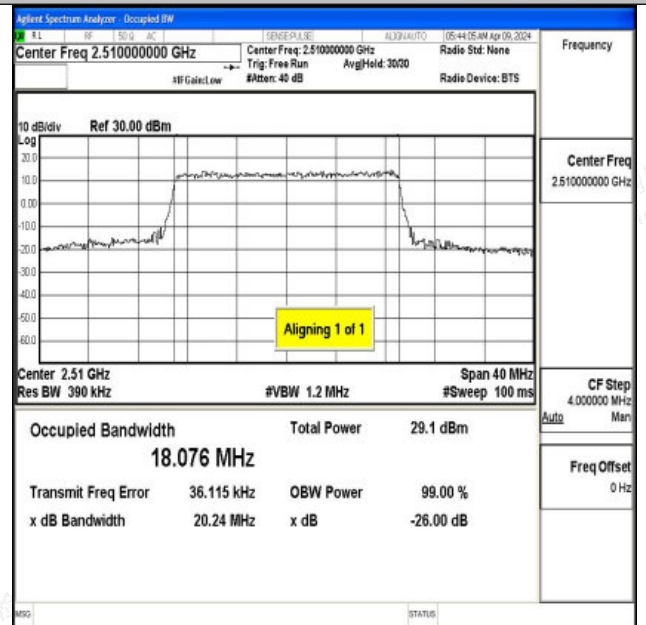
Band7-15MHz-QPSK-21375-75RB#0-PASS



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



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



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

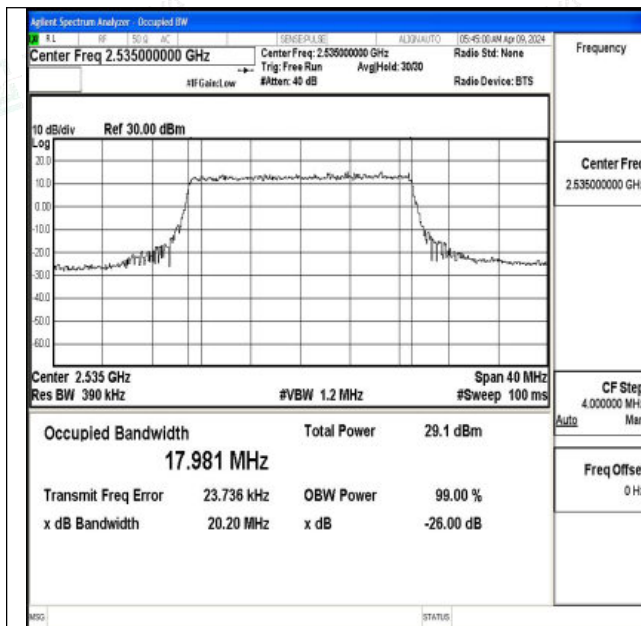


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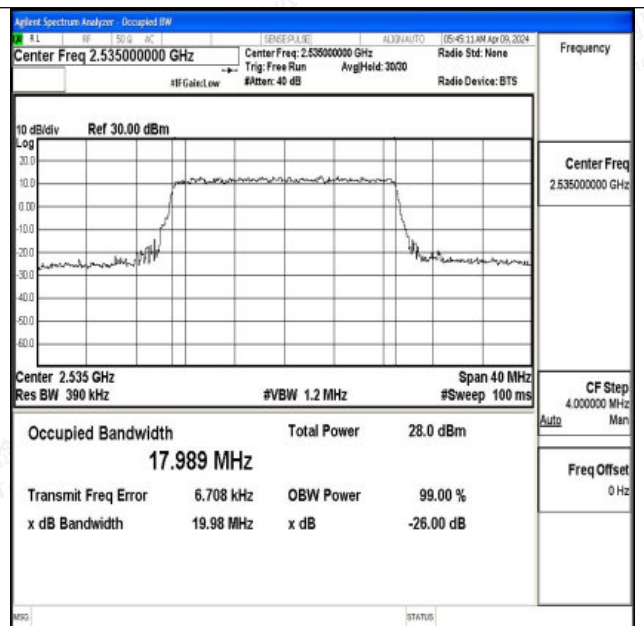
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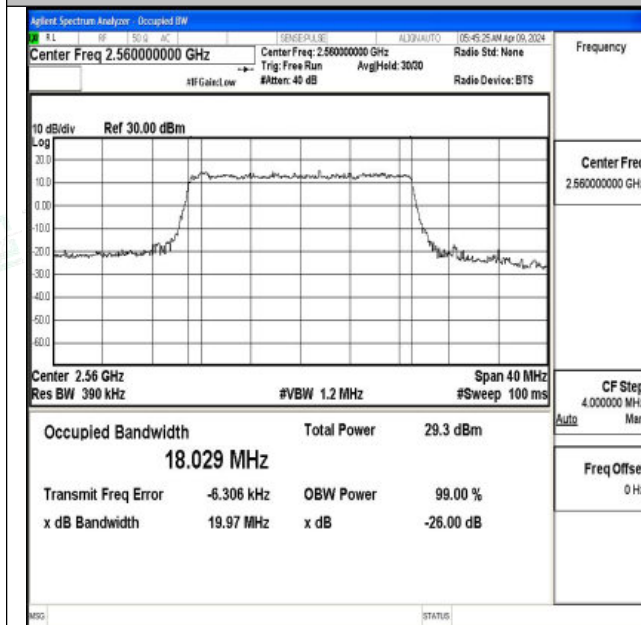
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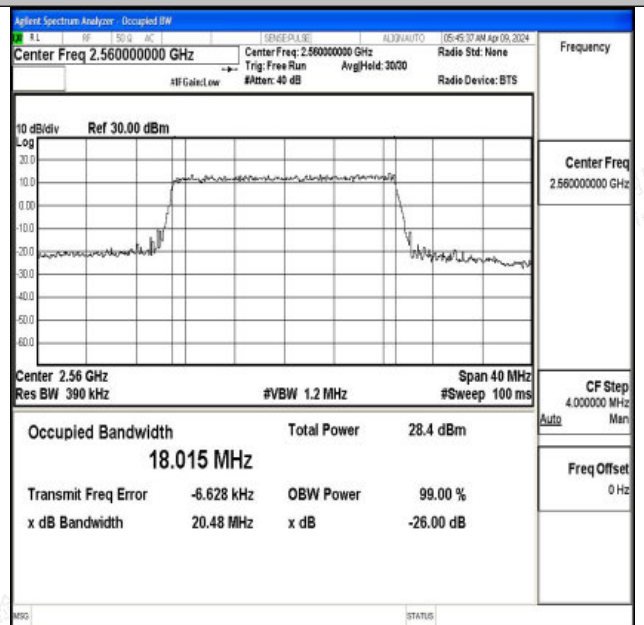
Band7-20MHz-QPSK-21100-100RB#0-PASS



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



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



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



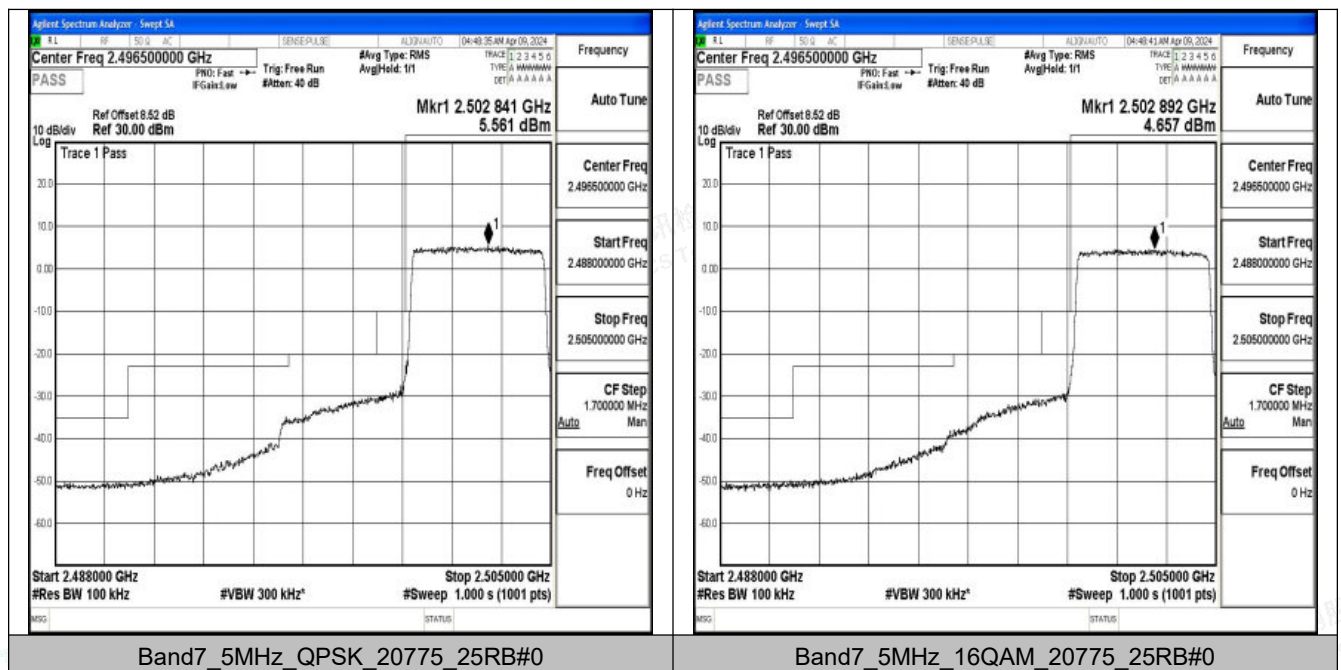


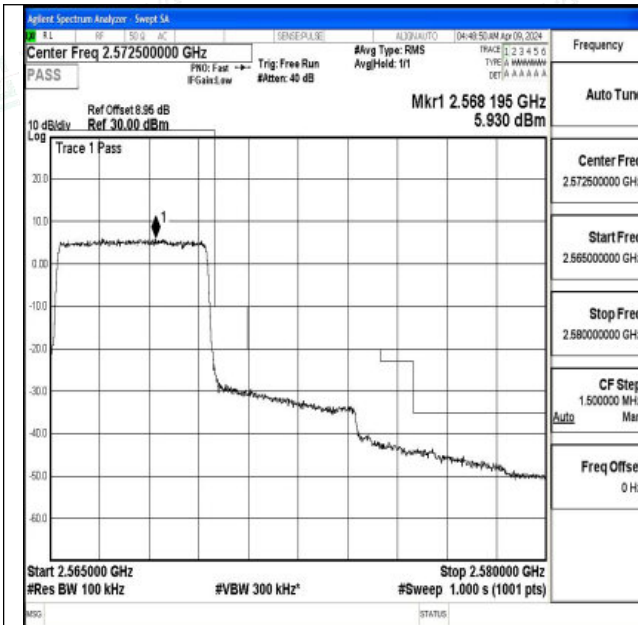
D.4 Band Edge

Test Result

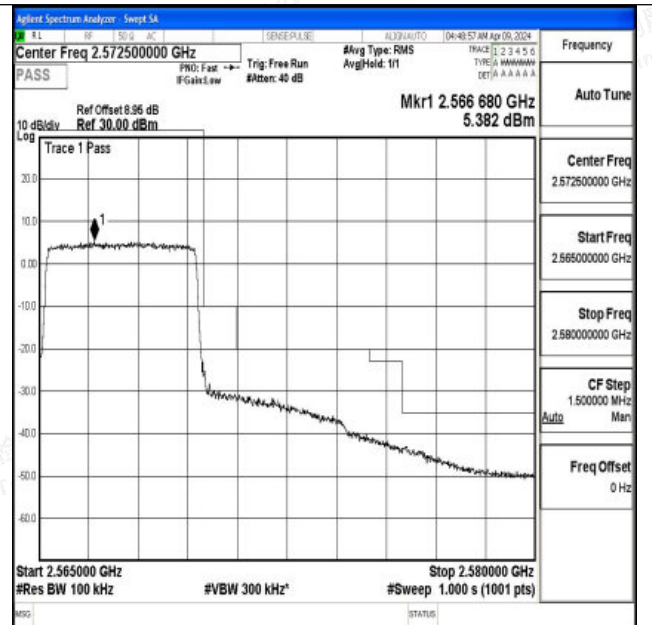
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	-30.27	PASS
Band7	5MHz	16QAM	20775	25RB#0	-30.77	PASS
Band7	5MHz	QPSK	21425	25RB#0	-43.58	PASS
Band7	5MHz	16QAM	21425	25RB#0	-42.97	PASS
Band7	10MHz	QPSK	20800	50RB#0	-42.08	PASS
Band7	10MHz	16QAM	20800	50RB#0	-41.75	PASS
Band7	10MHz	QPSK	21400	50RB#0	-42.15	PASS
Band7	10MHz	16QAM	21400	50RB#0	-40.45	PASS
Band7	15MHz	QPSK	20825	75RB#0	-26.88	PASS
Band7	15MHz	16QAM	20825	75RB#0	-27.89	PASS
Band7	15MHz	QPSK	21375	75RB#0	-41.38	PASS
Band7	15MHz	16QAM	21375	75RB#0	-40.12	PASS
Band7	20MHz	QPSK	20850	100RB#0	-29.70	PASS
Band7	20MHz	16QAM	20850	100RB#0	-29.92	PASS
Band7	20MHz	QPSK	21350	100RB#0	-43.04	PASS
Band7	20MHz	16QAM	21350	100RB#0	-42.34	PASS

Test Graphs

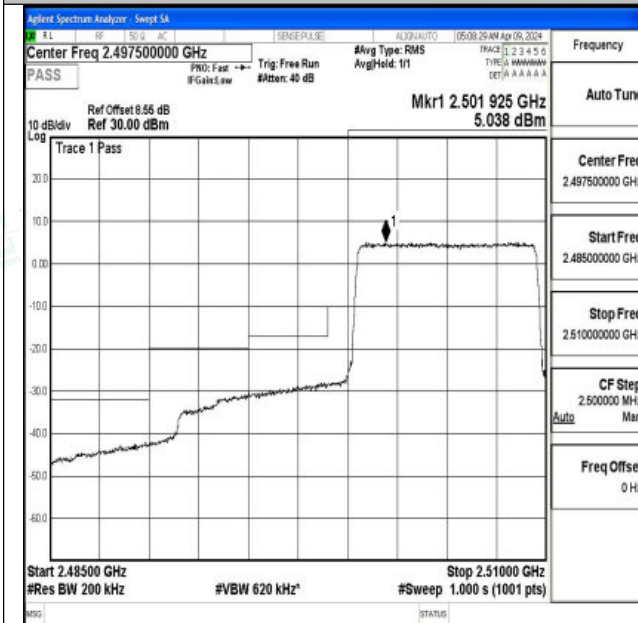




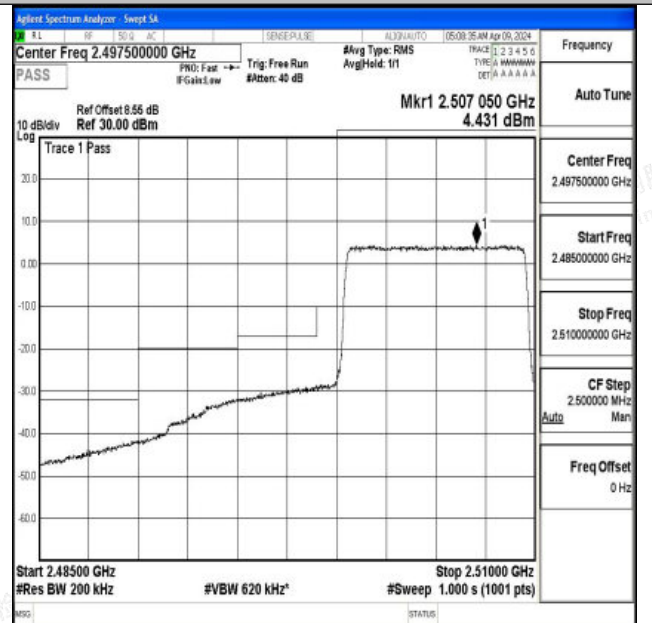
Band7_5MHz_QPSK_21425_25RB#0



Band7_5MHz_16QAM_21425_25RB#0



Band7_10MHz_QPSK_20800_50RB#0



Band7_10MHz_16QAM_20800_50RB#0

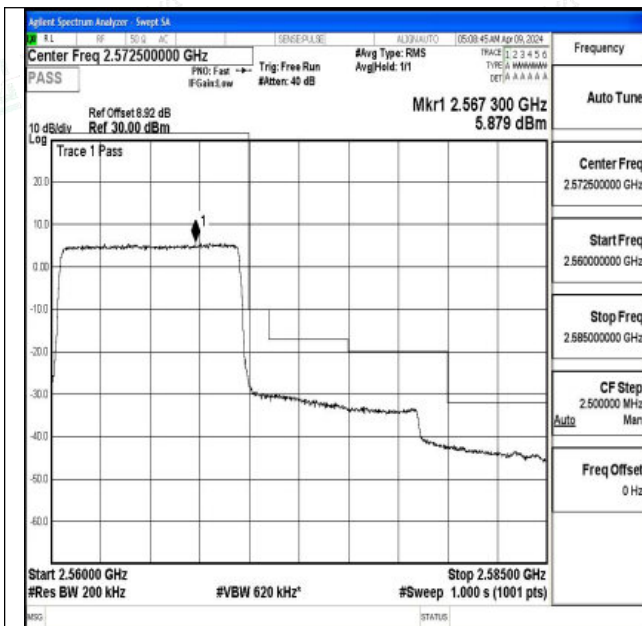


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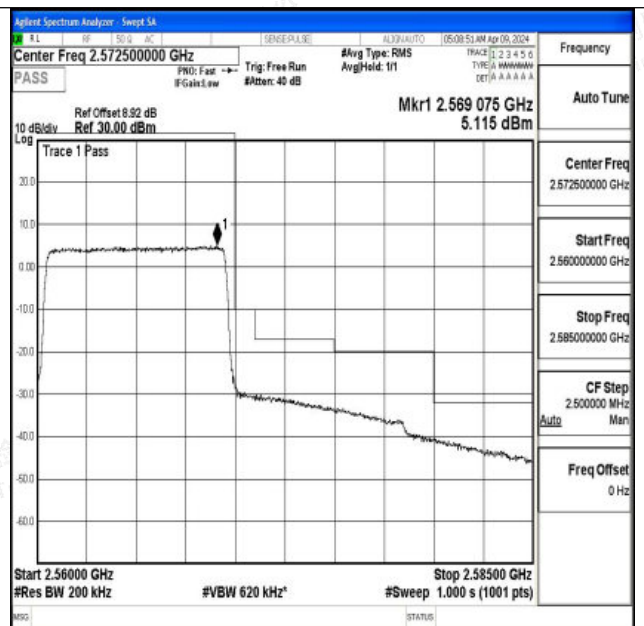
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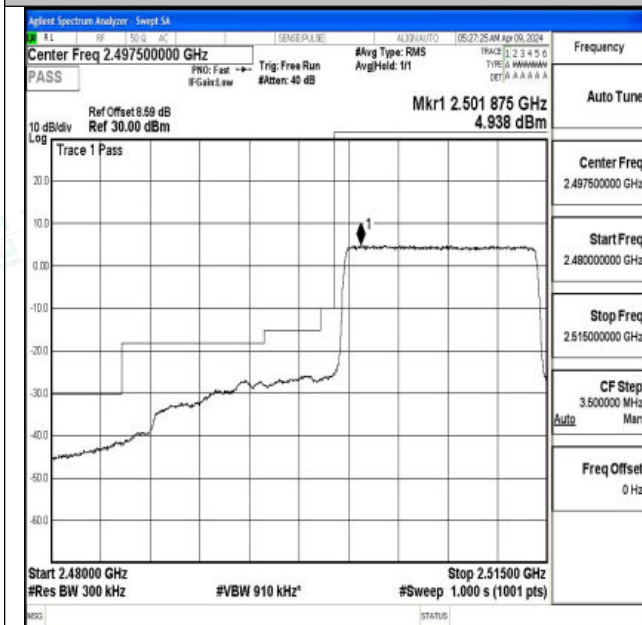
Scan code to check authenticity



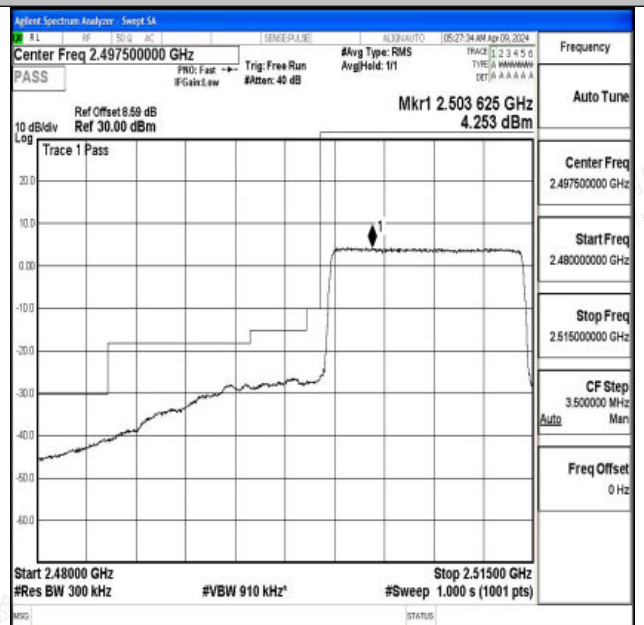
Band7_10MHz_QPSK_21400_50RB#0



Band7_10MHz_16QAM_21400_50RB#0



Band7_15MHz_QPSK_20825_75RB#0



Band7_15MHz_16QAM_20825_75RB#0

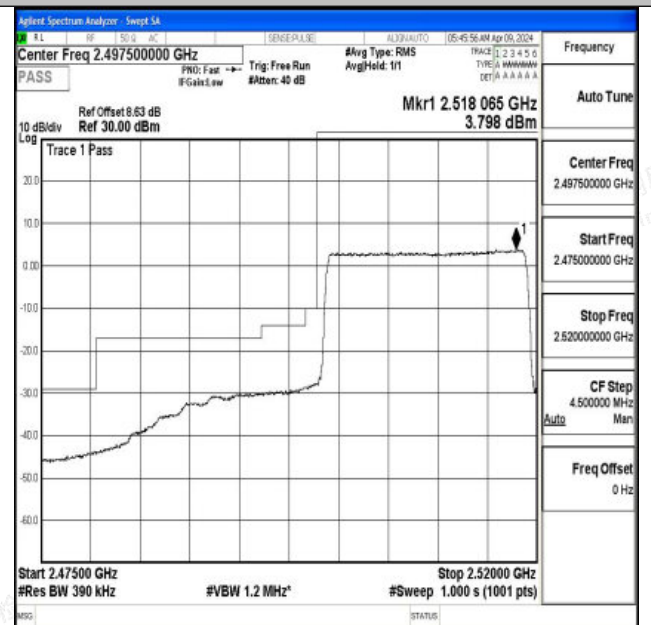
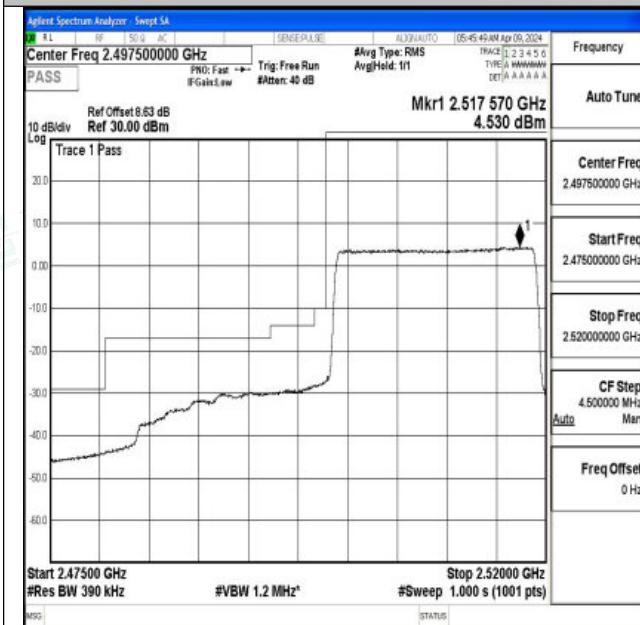
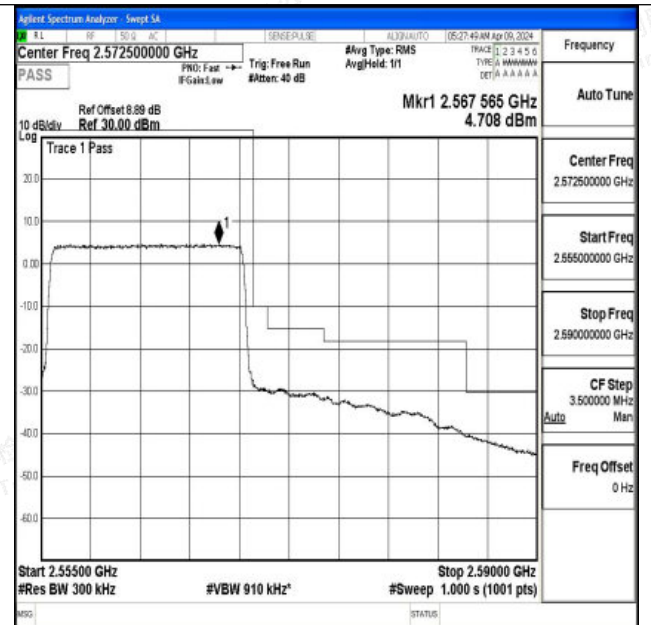
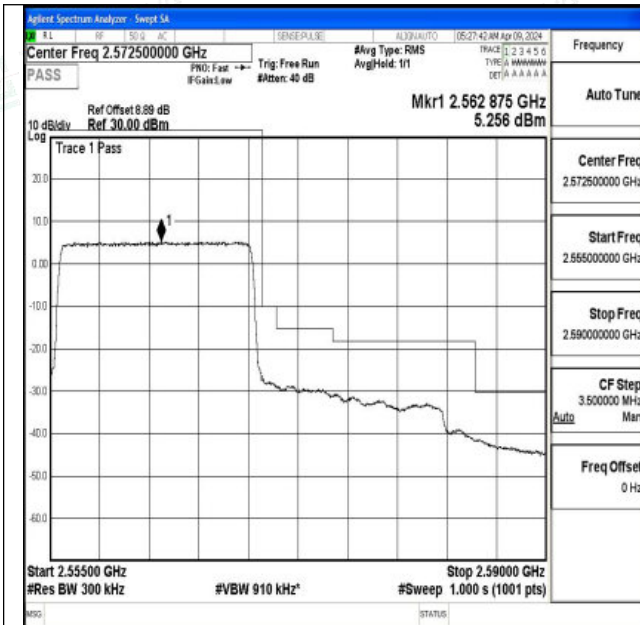


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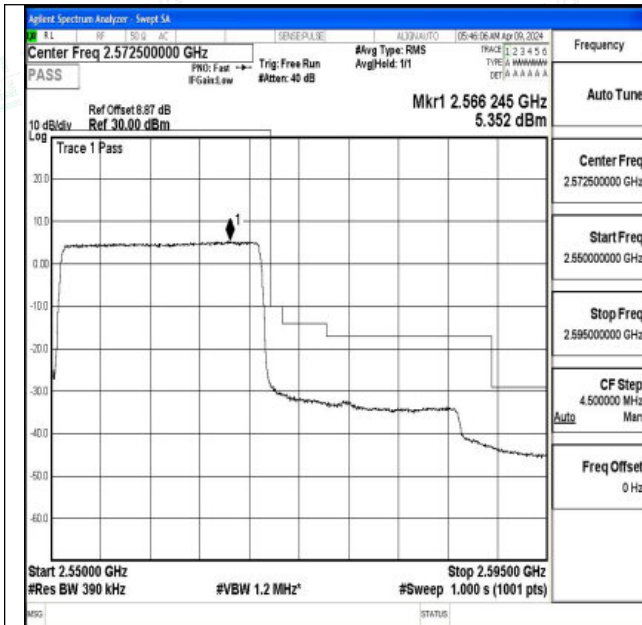


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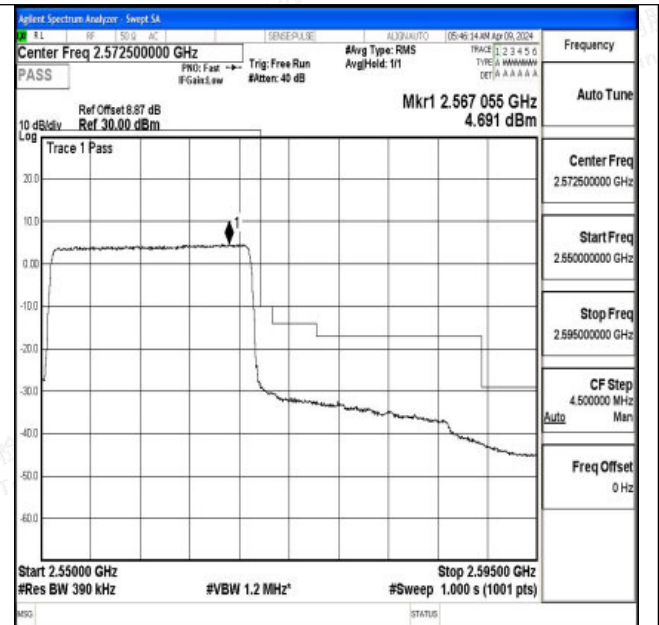
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Band7_20MHz_QPSK_21350_100RB#0



Band7_20MHz_16QAM_21350_100RB#0





D.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	0.009~0.15	-65.74	PASS
Band7	5MHz	QPSK	20775	1RB#0	0.15~30	-62.58	PASS
Band7	5MHz	QPSK	20775	1RB#0	30~1000	-62.36	PASS
Band7	5MHz	QPSK	20775	1RB#0	1000~20000	-33.22	PASS
Band7	5MHz	QPSK	20775	1RB#0	20000~27000	-35.25	PASS
Band7	5MHz	16QAM	20775	1RB#0	0.009~0.15	-67.74	PASS
Band7	5MHz	16QAM	20775	1RB#0	0.15~30	-60.98	PASS
Band7	5MHz	16QAM	20775	1RB#0	30~1000	-62.01	PASS
Band7	5MHz	16QAM	20775	1RB#0	1000~20000	-33.16	PASS
Band7	5MHz	16QAM	20775	1RB#0	20000~27000	-35.32	PASS
Band7	5MHz	QPSK	21100	1RB#0	0.009~0.15	-67.18	PASS
Band7	5MHz	QPSK	21100	1RB#0	0.15~30	-63.68	PASS
Band7	5MHz	QPSK	21100	1RB#0	30~1000	-61.80	PASS
Band7	5MHz	QPSK	21100	1RB#0	1000~20000	-33.06	PASS
Band7	5MHz	QPSK	21100	1RB#0	20000~27000	-35.11	PASS
Band7	5MHz	16QAM	21100	1RB#0	0.009~0.15	-69.65	PASS
Band7	5MHz	16QAM	21100	1RB#0	0.15~30	-62.56	PASS
Band7	5MHz	16QAM	21100	1RB#0	30~1000	-62.20	PASS
Band7	5MHz	16QAM	21100	1RB#0	1000~20000	-32.41	PASS
Band7	5MHz	16QAM	21100	1RB#0	20000~27000	-35.22	PASS
Band7	5MHz	QPSK	21425	1RB#0	0.009~0.15	-63.73	PASS
Band7	5MHz	QPSK	21425	1RB#0	0.15~30	-61.60	PASS
Band7	5MHz	QPSK	21425	1RB#0	30~1000	-62.06	PASS
Band7	5MHz	QPSK	21425	1RB#0	1000~20000	-33.48	PASS
Band7	5MHz	QPSK	21425	1RB#0	20000~27000	-35.04	PASS
Band7	5MHz	16QAM	21425	1RB#0	0.009~0.15	-69.64	PASS
Band7	5MHz	16QAM	21425	1RB#0	0.15~30	-61.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	30~1000	-62.40	PASS
Band7	5MHz	16QAM	21425	1RB#0	1000~20000	-32.83	PASS
Band7	5MHz	16QAM	21425	1RB#0	20000~27000	-35.33	PASS
Band7	10MHz	QPSK	20800	1RB#0	0.009~0.15	-70.02	PASS
Band7	10MHz	QPSK	20800	1RB#0	0.15~30	-61.75	PASS
Band7	10MHz	QPSK	20800	1RB#0	30~1000	-61.98	PASS
Band7	10MHz	QPSK	20800	1RB#0	1000~20000	-33.11	PASS



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Band7	10MHz	QPSK	20800	1RB#0	20000~27000	-35.43	PASS
Band7	10MHz	16QAM	20800	1RB#0	0.009~0.15	-68.71	PASS
Band7	10MHz	16QAM	20800	1RB#0	0.15~30	-59.72	PASS
Band7	10MHz	16QAM	20800	1RB#0	30~1000	-62.39	PASS
Band7	10MHz	16QAM	20800	1RB#0	1000~20000	-33.28	PASS
Band7	10MHz	16QAM	20800	1RB#0	20000~27000	-35.33	PASS
Band7	10MHz	QPSK	21100	1RB#0	0.009~0.15	-69.49	PASS
Band7	10MHz	QPSK	21100	1RB#0	0.15~30	-61.54	PASS
Band7	10MHz	QPSK	21100	1RB#0	30~1000	-62.15	PASS
Band7	10MHz	QPSK	21100	1RB#0	1000~20000	-32.95	PASS
Band7	10MHz	QPSK	21100	1RB#0	20000~27000	-35.06	PASS
Band7	10MHz	16QAM	21100	1RB#0	0.009~0.15	-68.66	PASS
Band7	10MHz	16QAM	21100	1RB#0	0.15~30	-61.90	PASS
Band7	10MHz	16QAM	21100	1RB#0	30~1000	-61.84	PASS
Band7	10MHz	16QAM	21100	1RB#0	1000~20000	-33.19	PASS
Band7	10MHz	16QAM	21100	1RB#0	20000~27000	-35.03	PASS
Band7	10MHz	QPSK	21400	1RB#0	0.009~0.15	-68.10	PASS
Band7	10MHz	QPSK	21400	1RB#0	0.15~30	-63.26	PASS
Band7	10MHz	QPSK	21400	1RB#0	30~1000	-62.11	PASS
Band7	10MHz	QPSK	21400	1RB#0	1000~20000	-33.12	PASS
Band7	10MHz	QPSK	21400	1RB#0	20000~27000	-35.24	PASS
Band7	10MHz	16QAM	21400	1RB#0	0.009~0.15	-68.41	PASS
Band7	10MHz	16QAM	21400	1RB#0	0.15~30	-61.30	PASS
Band7	10MHz	16QAM	21400	1RB#0	30~1000	-62.34	PASS
Band7	10MHz	16QAM	21400	1RB#0	1000~20000	-33.38	PASS
Band7	10MHz	16QAM	21400	1RB#0	20000~27000	-35.23	PASS
Band7	15MHz	QPSK	20825	1RB#0	0.009~0.15	-67.71	PASS
Band7	15MHz	QPSK	20825	1RB#0	0.15~30	-63.14	PASS
Band7	15MHz	QPSK	20825	1RB#0	30~1000	-62.01	PASS
Band7	15MHz	QPSK	20825	1RB#0	1000~20000	-33.28	PASS
Band7	15MHz	QPSK	20825	1RB#0	20000~27000	-34.93	PASS
Band7	15MHz	16QAM	20825	1RB#0	0.009~0.15	-68.40	PASS
Band7	15MHz	16QAM	20825	1RB#0	0.15~30	-62.97	PASS
Band7	15MHz	16QAM	20825	1RB#0	30~1000	-62.08	PASS
Band7	15MHz	16QAM	20825	1RB#0	1000~20000	-33.32	PASS
Band7	15MHz	16QAM	20825	1RB#0	20000~27000	-34.99	PASS
Band7	15MHz	QPSK	21100	1RB#0	0.009~0.15	-67.08	PASS
Band7	15MHz	QPSK	21100	1RB#0	0.15~30	-65.11	PASS
Band7	15MHz	QPSK	21100	1RB#0	30~1000	-62.13	PASS
Band7	15MHz	QPSK	21100	1RB#0	1000~20000	-33.05	PASS



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Band7	15MHz	QPSK	21100	1RB#0	20000~27000	-34.85	PASS
Band7	15MHz	16QAM	21100	1RB#0	0.009~0.15	-67.27	PASS
Band7	15MHz	16QAM	21100	1RB#0	0.15~30	-59.57	PASS
Band7	15MHz	16QAM	21100	1RB#0	30~1000	-62.37	PASS
Band7	15MHz	16QAM	21100	1RB#0	1000~20000	-32.96	PASS
Band7	15MHz	16QAM	21100	1RB#0	20000~27000	-35.35	PASS
Band7	15MHz	QPSK	21375	1RB#0	0.009~0.15	-70.32	PASS
Band7	15MHz	QPSK	21375	1RB#0	0.15~30	-61.98	PASS
Band7	15MHz	QPSK	21375	1RB#0	30~1000	-62.13	PASS
Band7	15MHz	QPSK	21375	1RB#0	1000~20000	-33.24	PASS
Band7	15MHz	QPSK	21375	1RB#0	20000~27000	-35.27	PASS
Band7	15MHz	16QAM	21375	1RB#0	0.009~0.15	-67.75	PASS
Band7	15MHz	16QAM	21375	1RB#0	0.15~30	-62.38	PASS
Band7	15MHz	16QAM	21375	1RB#0	30~1000	-62.16	PASS
Band7	15MHz	16QAM	21375	1RB#0	1000~20000	-32.72	PASS
Band7	15MHz	16QAM	21375	1RB#0	20000~27000	-35.46	PASS
Band7	20MHz	QPSK	20850	1RB#0	0.009~0.15	-65.80	PASS
Band7	20MHz	QPSK	20850	1RB#0	0.15~30	-62.12	PASS
Band7	20MHz	QPSK	20850	1RB#0	30~1000	-61.97	PASS
Band7	20MHz	QPSK	20850	1RB#0	1000~20000	-33.06	PASS
Band7	20MHz	QPSK	20850	1RB#0	20000~27000	-35.28	PASS
Band7	20MHz	16QAM	20850	1RB#0	0.009~0.15	-69.92	PASS
Band7	20MHz	16QAM	20850	1RB#0	0.15~30	-61.89	PASS
Band7	20MHz	16QAM	20850	1RB#0	30~1000	-61.99	PASS
Band7	20MHz	16QAM	20850	1RB#0	1000~20000	-33.21	PASS
Band7	20MHz	16QAM	20850	1RB#0	20000~27000	-35.21	PASS
Band7	20MHz	QPSK	21100	1RB#0	0.009~0.15	-69.44	PASS
Band7	20MHz	QPSK	21100	1RB#0	0.15~30	-63.45	PASS
Band7	20MHz	QPSK	21100	1RB#0	30~1000	-62.27	PASS
Band7	20MHz	QPSK	21100	1RB#0	1000~20000	-33.19	PASS
Band7	20MHz	QPSK	21100	1RB#0	20000~27000	-35.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	0.009~0.15	-66.04	PASS
Band7	20MHz	16QAM	21100	1RB#0	0.15~30	-62.97	PASS
Band7	20MHz	16QAM	21100	1RB#0	30~1000	-62.16	PASS
Band7	20MHz	16QAM	21100	1RB#0	1000~20000	-32.95	PASS
Band7	20MHz	16QAM	21100	1RB#0	20000~27000	-35.38	PASS
Band7	20MHz	QPSK	21350	1RB#0	0.009~0.15	-64.10	PASS
Band7	20MHz	QPSK	21350	1RB#0	0.15~30	-62.18	PASS
Band7	20MHz	QPSK	21350	1RB#0	30~1000	-62.34	PASS
Band7	20MHz	QPSK	21350	1RB#0	1000~20000	-33.24	PASS



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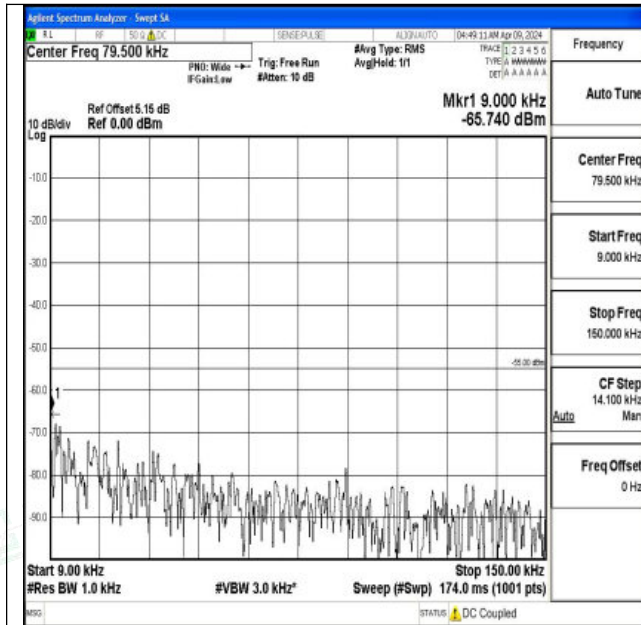
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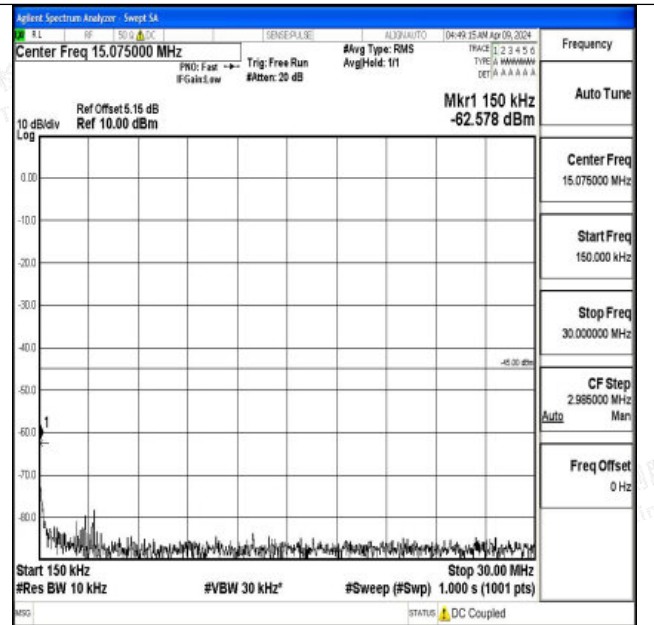


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Band7	20MHz	16QAM	21350	1RB#0	0.009~0.15	-66.43	PASS
Band7	20MHz	16QAM	21350	1RB#0	0.15~30	-60.91	PASS
Band7	20MHz	16QAM	21350	1RB#0	30~1000	-62.34	PASS
Band7	20MHz	16QAM	21350	1RB#0	1000~20000	-33.45	PASS
Band7	20MHz	16QAM	21350	1RB#0	20000~27000	-35.42	PASS

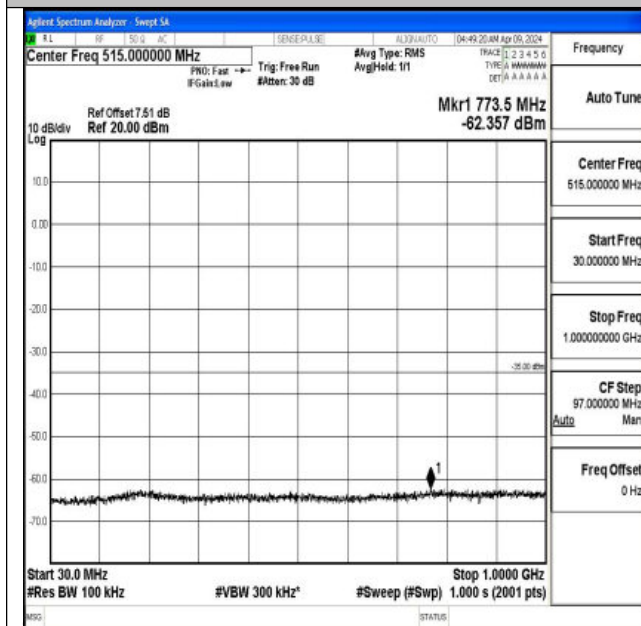
Test Graphs



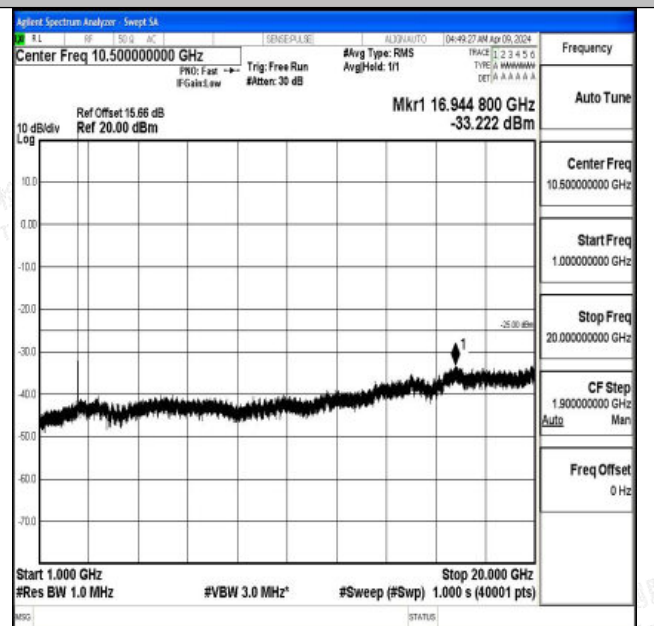
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Band7_5MHz_QPSK_20775_1RB#0_0.15~30_0.15~30

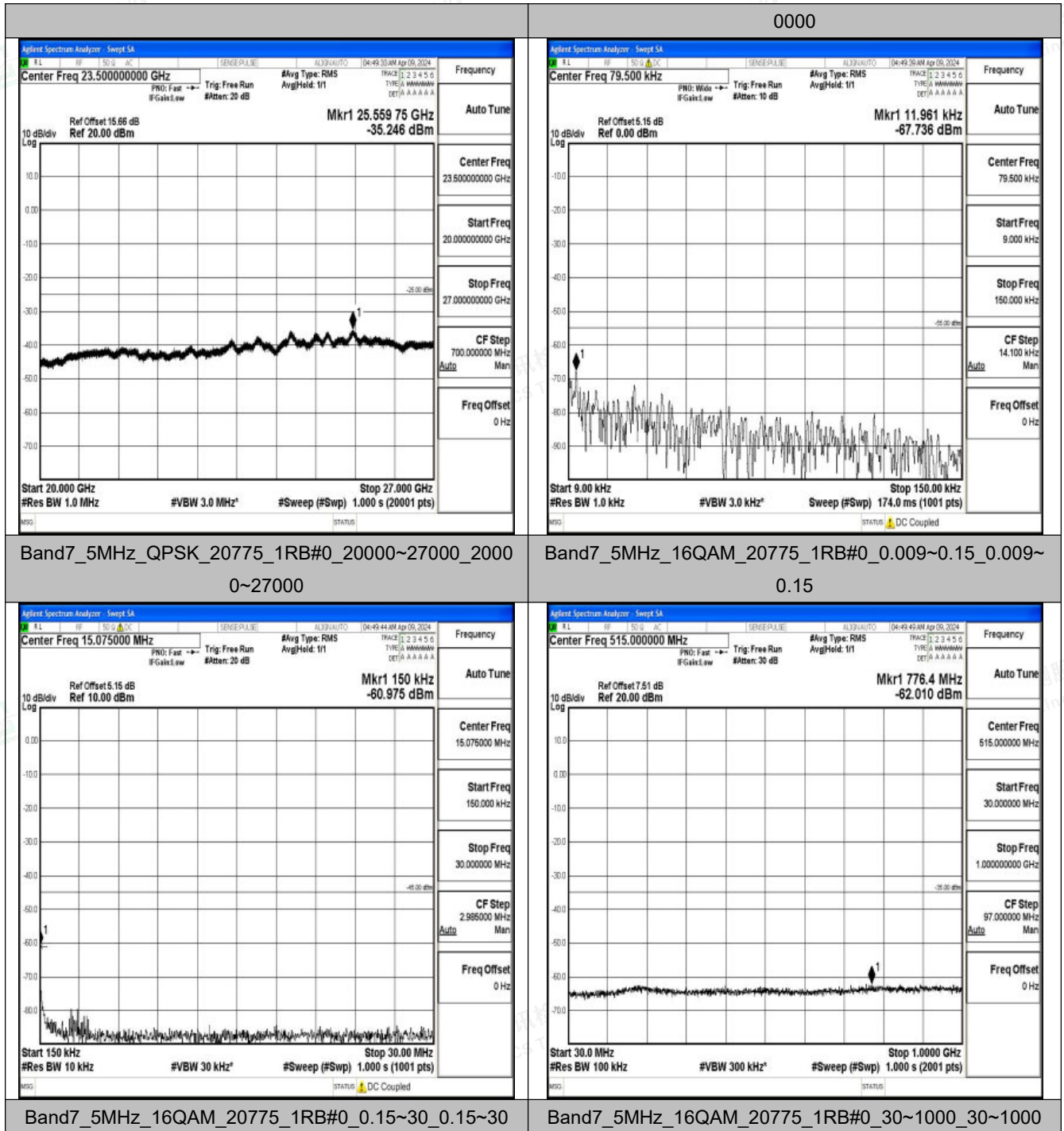


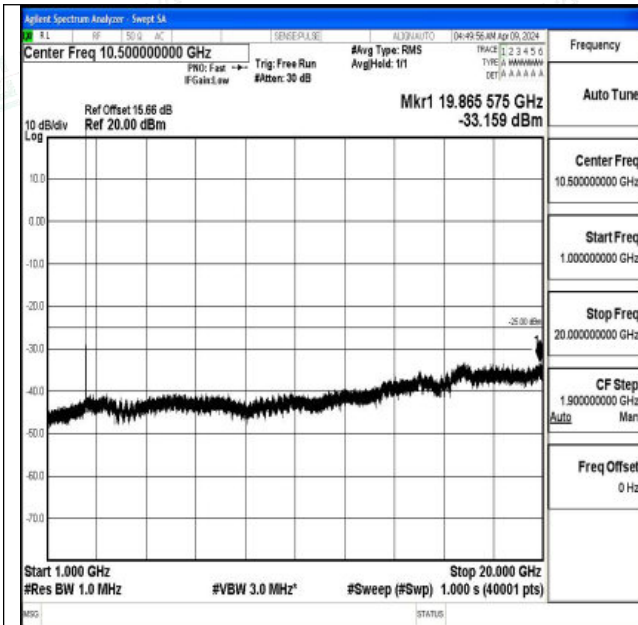
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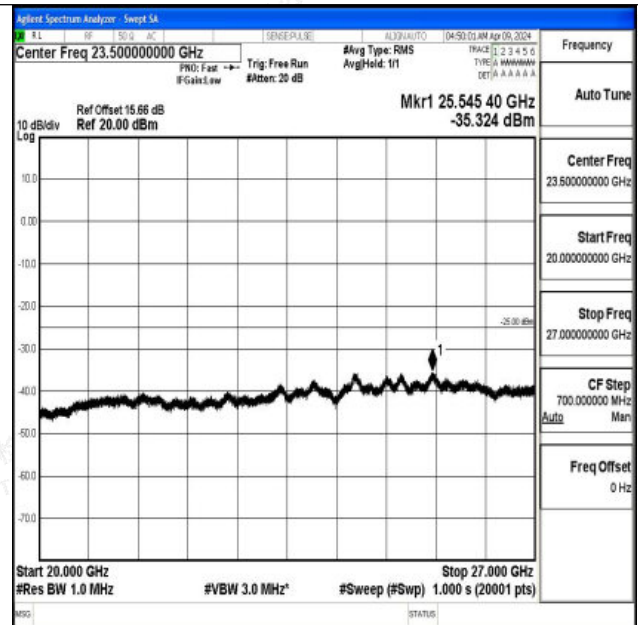
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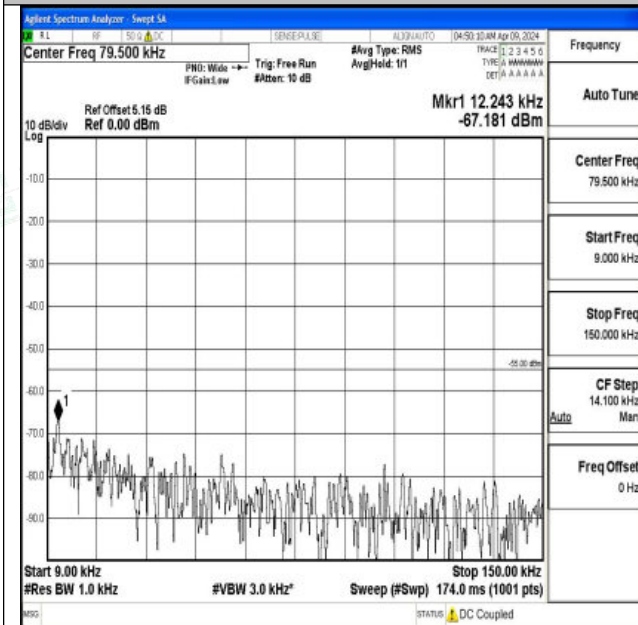




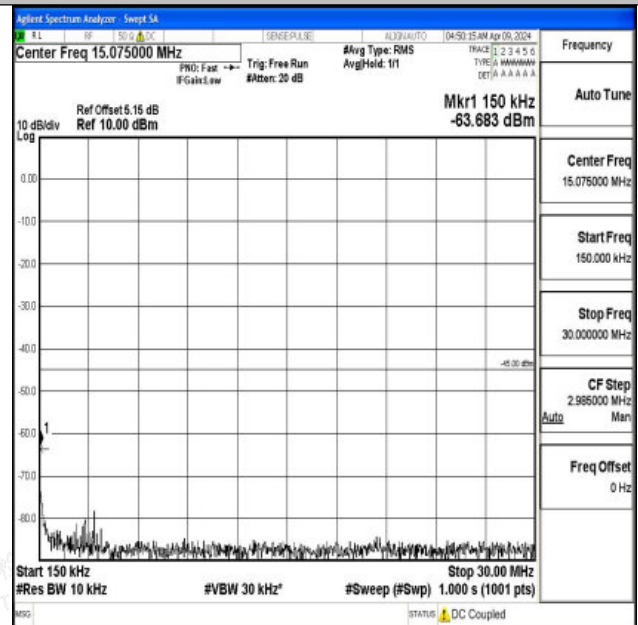
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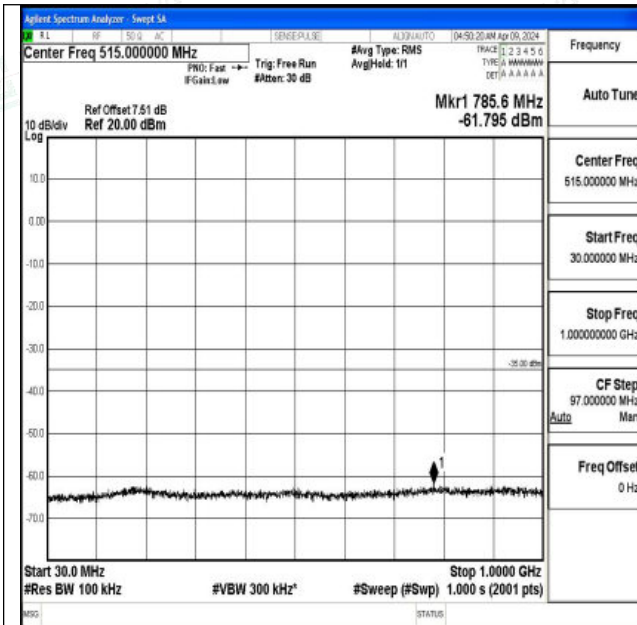


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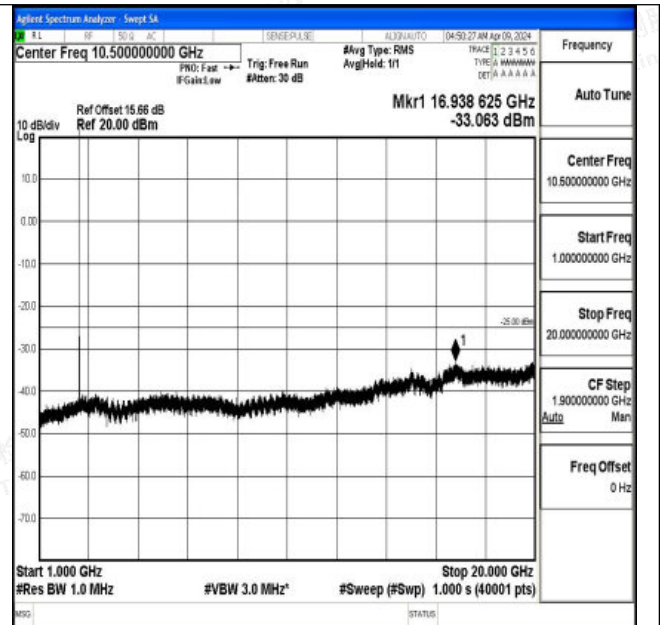


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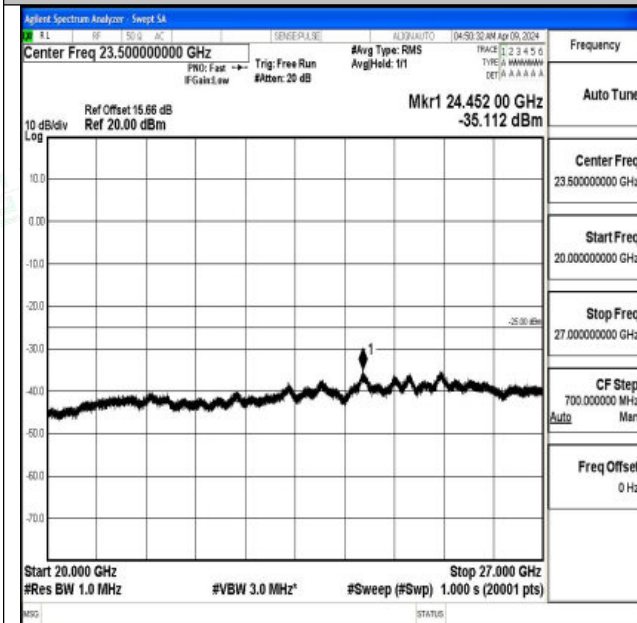




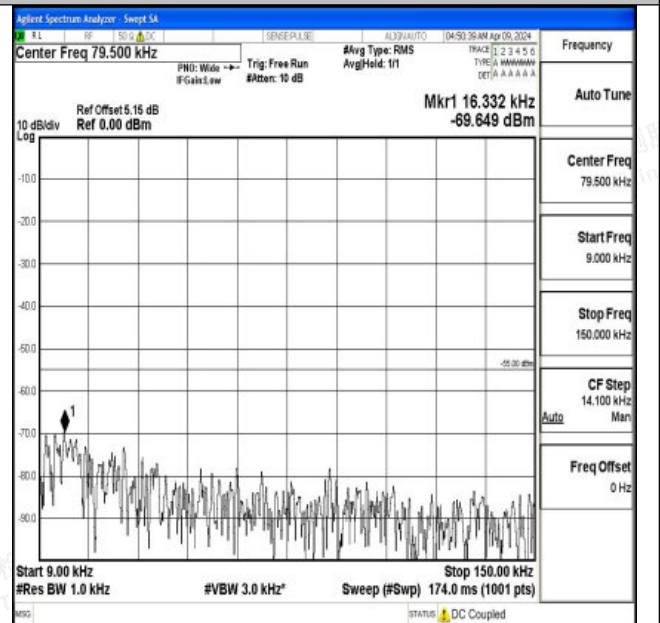
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Band7_5MHz_QPSK_21100_1RB#0_1000~20000_1000~2000



Band7_5MHz_QPSK_21100_1RB#0_20000~27000_2000



Band7_5MHz_16QAM_21100_1RB#0_0.009~0.15_0.009~0.15

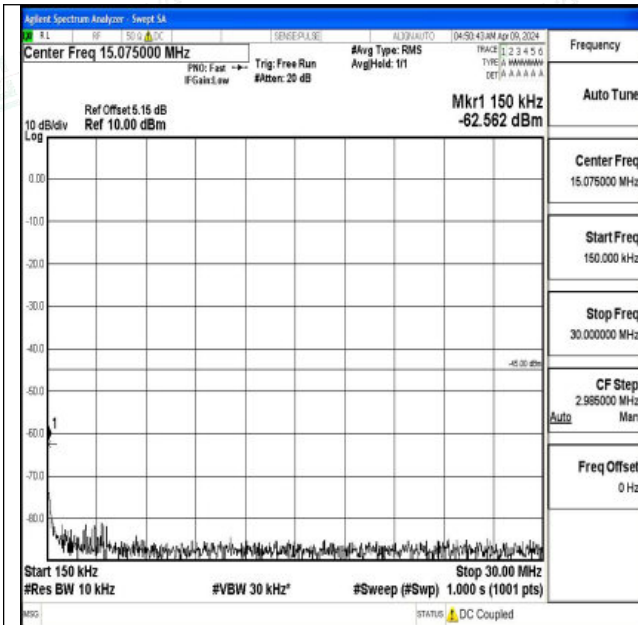


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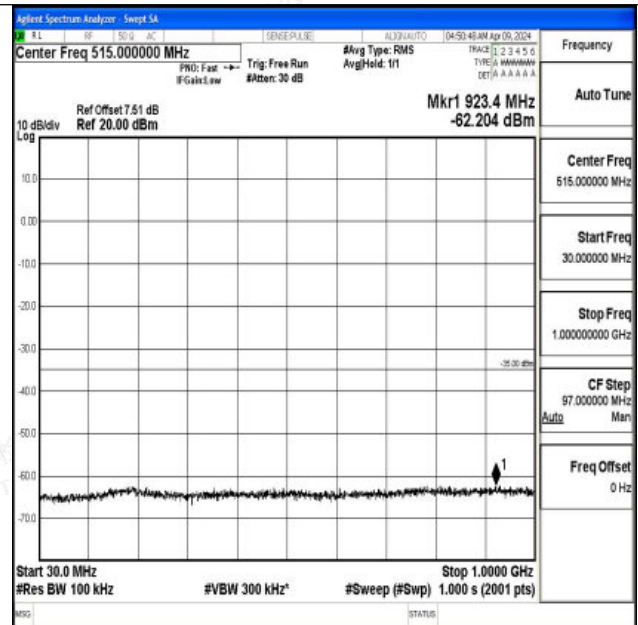
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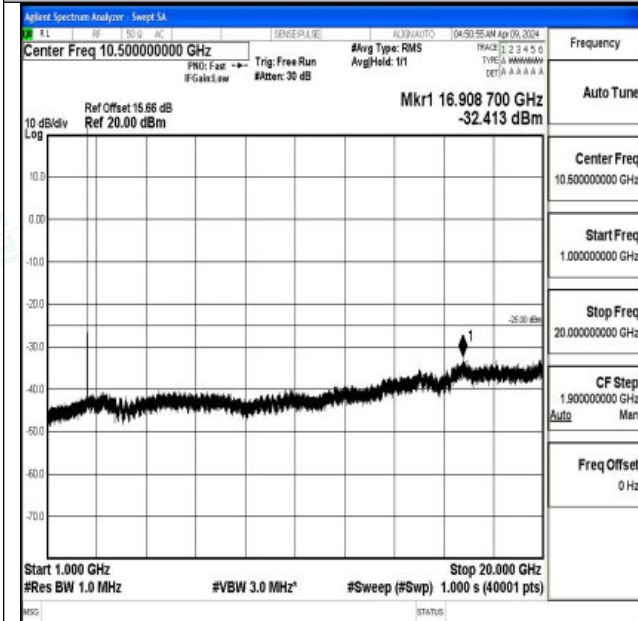
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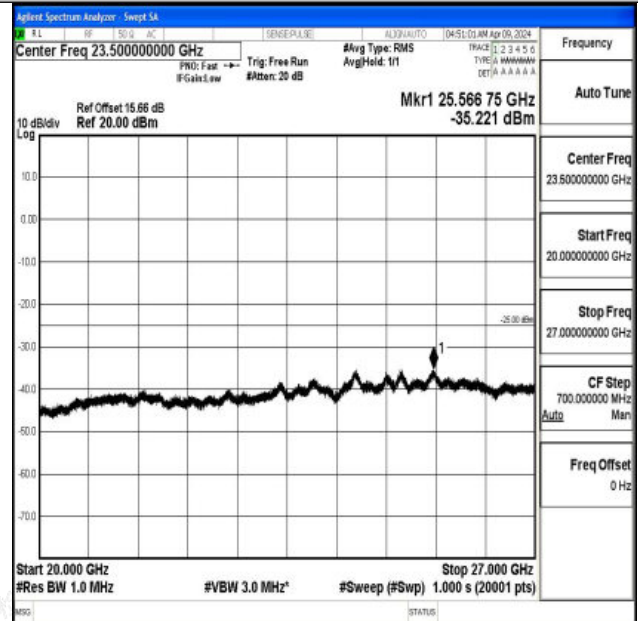
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Band7_5MHz_16QAM_21100_1RB#0_30~1000_30~1000



Band7_5MHz_16QAM_21100_1RB#0_1000~20000_1000~20000



Band7_5MHz_16QAM_21100_1RB#0_20000~27000_20000~27000



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