

Test Data for E-UTRA Band 7

EUT: <u>Bus Validator</u> Test Model: <u>E60</u>
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, <u>101.325</u> kPa
Test Engineer: <u>Jack Zhou</u>

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Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	18.84	18.58	PASS
Band7	5MHz	QPSK	20775	1RB#12	18.98	18.72	PASS
Band7	5MHz	QPSK	20775	1RB#24	19.04	18.78	PASS
Band7	5MHz	QPSK	20775	12RB#0	17.79	17.53	PASS
Band7	5MHz	QPSK	20775	12RB#6	17.92	17.66	PASS
Band7	5MHz	QPSK	20775	12RB#13	17.96	17.7	PASS
Band7	5MHz	QPSK	20775	25RB#0	18.01	17.75	PASS
Band7	5MHz	QPSK	21100	1RB#0	18.69	18.43	PASS
Band7	5MHz	QPSK	21100	1RB#12	18.61	18.35	PASS
Band7	5MHz	QPSK	21100	1RB#24	18.51	18.25	PASS
Band7	5MHz	QPSK	21100	12RB#0	17.83	17.57	PASS
Band7	5MHz	QPSK	21100	12RB#6	17.80	17.54	PASS
Band7	5MHz	QPSK	21100	12RB#13	17.66	17.4	PASS
Band7	5MHz	QPSK	21100	25RB#0	17.75	17.49	PASS
Band7	5MHz	QPSK	21425	1RB#0	18.59	18.33	PASS
Band7	5MHz	QPSK	21425	1RB#12	18.58	18.32	PASS
Band7	5MHz	QPSK	21425	1RB#24	18.51	18.25	PASS
Band7	5MHz	QPSK	21425	12RB#0	17.64	17.38	PASS
Band7	5MHz	QPSK	21425	12RB#6	17.62	17.36	PASS
Band7	5MHz	QPSK	21425	12RB#13	17.59	17.33	PASS
Band7	5MHz	QPSK	21425	25RB#0	17.70	17.44	PASS
Band7	5MHz	16QAM	20775	1RB#0	17.53	17.27	PASS
Band7	5MHz	16QAM	20775	1RB#12	17.86	17.6	PASS
Band7	5MHz	16QAM	20775	1RB#24	17.40	17.14	PASS
Band7	5MHz	16QAM	20775	12RB#0	16.97	16.71	PASS
Band7	5MHz	16QAM	20775	12RB#6	17.04	16.78	PASS
Band7	5MHz	16QAM	20775	12RB#13	17.10	16.84	PASS
Band7	5MHz	16QAM	20775	25RB#0	17.21	16.95	PASS
Band7	5MHz	16QAM	21100	1RB#0	18.12	17.86	PASS
Band7	5MHz	16QAM	21100	1RB#12	18.00	17.74	PASS
Band7	5MHz	16QAM	21100	1RB#24	17.92	17.66	PASS

Band7	5MHz	16QAM	21100	12RB#0	16.98	16.72	PASS
Band7	5MHz	16QAM	21100	12RB#6	17.05	16.79	PASS
Band7	5MHz	16QAM	21100	12RB#13	16.90	16.64	PASS
Band7	5MHz	16QAM	21100	25RB#0	16.91	16.65	PASS
Band7	5MHz	16QAM	21425	1RB#0	17.10	16.84	PASS
Band7	5MHz	16QAM	21425	1RB#12	17.21	16.95	PASS
Band7	5MHz	16QAM	21425	1RB#24	17.11	16.85	PASS
Band7	5MHz	16QAM	21425	12RB#0	16.71	16.45	PASS
Band7	5MHz	16QAM	21425	12RB#6	16.71	16.45	PASS
Band7	5MHz	16QAM	21425	12RB#13	16.81	16.55	PASS
Band7	5MHz	16QAM	21425	25RB#0	16.89	16.63	PASS
Band7	10MHz	QPSK	20800	1RB#0	18.97	18.71	PASS
Band7	10MHz	QPSK	20800	1RB#24	19.06	18.8	PASS
Band7	10MHz	QPSK	20800	1RB#49	19.20	18.94	PASS
Band7	10MHz	QPSK	20800	25RB#0	18.17	17.91	PASS
Band7	10MHz	QPSK	20800	25RB#12	18.19	17.93	PASS
Band7	10MHz	QPSK	20800	25RB#25	18.21	17.95	PASS
Band7	10MHz	QPSK	20800	50RB#0	18.15	17.89	PASS
Band7	10MHz	QPSK	21100	1RB#0	18.95	18.69	PASS
Band7	10MHz	QPSK	21100	1RB#24	18.75	18.49	PASS
Band7	10MHz	QPSK	21100	1RB#49	18.74	18.48	PASS
Band7	10MHz	QPSK	21100	25RB#0	17.98	17.72	PASS
Band7	10MHz	QPSK	21100	25RB#12	18.00	17.74	PASS
Band7	10MHz	QPSK	21100	25RB#25	17.96	17.7	PASS
Band7	10MHz	QPSK	21100	50RB#0	17.76	17.5	PASS
Band7	10MHz	QPSK	21400	1RB#0	18.63	18.37	PASS
Band7	10MHz	QPSK	21400	1RB#24	18.48	18.22	PASS
Band7	10MHz	QPSK	21400	1RB#49	18.44	18.18	PASS
Band7	10MHz	QPSK	21400	25RB#0	17.72	17.46	PASS
Band7	10MHz	QPSK	21400	25RB#12	17.70	17.44	PASS
Band7	10MHz	QPSK	21400	25RB#25	17.59	17.33	PASS
Band7	10MHz	QPSK	21400	50RB#0	17.79	17.53	PASS
Band7	10MHz	16QAM	20800	1RB#0	18.08	17.82	PASS
Band7	10MHz	16QAM	20800	1RB#24	18.15	17.89	PASS
Band7	10MHz	16QAM	20800	1RB#49	18.27	18.01	PASS
Band7	10MHz	16QAM	20800	25RB#0	17.39	17.13	PASS
Band7	10MHz	16QAM	20800	25RB#12	17.41	17.15	PASS

Band7	10MHz	16QAM	20800	25RB#25	17.38	17.12	PASS
Band7	10MHz	16QAM	20800	50RB#0	17.26	17	PASS
Band7	10MHz	16QAM	21100	1RB#0	17.87	17.61	PASS
Band7	10MHz	16QAM	21100	1RB#24	17.73	17.47	PASS
Band7	10MHz	16QAM	21100	1RB#49	18.34	18.08	PASS
Band7	10MHz	16QAM	21100	25RB#0	17.14	16.88	PASS
Band7	10MHz	16QAM	21100	25RB#12	17.17	16.91	PASS
Band7	10MHz	16QAM	21100	25RB#25	17.63	17.37	PASS
Band7	10MHz	16QAM	21100	50RB#0	17.15	16.89	PASS
Band7	10MHz	16QAM	21400	1RB#0	17.77	17.51	PASS
Band7	10MHz	16QAM	21400	1RB#24	17.69	17.43	PASS
Band7	10MHz	16QAM	21400	1RB#49	17.65	17.39	PASS
Band7	10MHz	16QAM	21400	25RB#0	16.76	16.5	PASS
Band7	10MHz	16QAM	21400	25RB#12	16.75	16.49	PASS
Band7	10MHz	16QAM	21400	25RB#25	16.83	16.57	PASS
Band7	10MHz	16QAM	21400	50RB#0	16.74	16.48	PASS
Band7	15MHz	QPSK	20825	1RB#0	18.92	18.66	PASS
Band7	15MHz	QPSK	20825	1RB#38	19.19	18.93	PASS
Band7	15MHz	QPSK	20825	1RB#74	19.20	18.94	PASS
Band7	15MHz	QPSK	20825	38RB#0	18.28	18.02	PASS
Band7	15MHz	QPSK	20825	38RB#18	18.33	18.07	PASS
Band7	15MHz	QPSK	20825	38RB#37	18.34	18.08	PASS
Band7	15MHz	QPSK	20825	75RB#0	18.34	18.08	PASS
Band7	15MHz	QPSK	21100	1RB#0	18.96	18.7	PASS
Band7	15MHz	QPSK	21100	1RB#38	18.67	18.41	PASS
Band7	15MHz	QPSK	21100	1RB#74	18.76	18.5	PASS
Band7	15MHz	QPSK	21100	38RB#0	17.77	17.51	PASS
Band7	15MHz	QPSK	21100	38RB#18	17.71	17.45	PASS
Band7	15MHz	QPSK	21100	38RB#37	17.70	17.44	PASS
Band7	15MHz	QPSK	21100	75RB#0	17.70	17.44	PASS
Band7	15MHz	QPSK	21375	1RB#0	18.60	18.34	PASS
Band7	15MHz	QPSK	21375	1RB#38	18.58	18.32	PASS
Band7	15MHz	QPSK	21375	1RB#74	18.45	18.19	PASS
Band7	15MHz	QPSK	21375	38RB#0	17.86	17.6	PASS
Band7	15MHz	QPSK	21375	38RB#18	17.80	17.54	PASS
Band7	15MHz	QPSK	21375	38RB#37	17.78	17.52	PASS
Band7	15MHz	QPSK	21375	75RB#0	17.78	17.52	PASS

Band7	15MHz	16QAM	20825	1RB#0	18.06	17.8	PASS
Band7	15MHz	16QAM	20825	1RB#38	18.16	17.9	PASS
Band7	15MHz	16QAM	20825	1RB#74	18.43	18.17	PASS
Band7	15MHz	16QAM	20825	38RB#0	18.33	18.07	PASS
Band7	15MHz	16QAM	20825	38RB#18	18.34	18.08	PASS
Band7	15MHz	16QAM	20825	38RB#37	18.34	18.08	PASS
Band7	15MHz	16QAM	20825	75RB#0	17.30	17.04	PASS
Band7	15MHz	16QAM	21100	1RB#0	18.17	17.91	PASS
Band7	15MHz	16QAM	21100	1RB#38	18.01	17.75	PASS
Band7	15MHz	16QAM	21100	1RB#74	17.98	17.72	PASS
Band7	15MHz	16QAM	21100	38RB#0	17.71	17.45	PASS
Band7	15MHz	16QAM	21100	38RB#18	17.71	17.45	PASS
Band7	15MHz	16QAM	21100	38RB#37	17.70	17.44	PASS
Band7	15MHz	16QAM	21100	75RB#0	17.08	16.82	PASS
Band7	15MHz	16QAM	21375	1RB#0	17.71	17.45	PASS
Band7	15MHz	16QAM	21375	1RB#38	17.79	17.53	PASS
Band7	15MHz	16QAM	21375	1RB#74	17.69	17.43	PASS
Band7	15MHz	16QAM	21375	38RB#0	17.81	17.55	PASS
Band7	15MHz	16QAM	21375	38RB#18	17.79	17.53	PASS
Band7	15MHz	16QAM	21375	38RB#37	17.78	17.52	PASS
Band7	15MHz	16QAM	21375	75RB#0	16.85	16.59	PASS
Band7	20MHz	QPSK	20850	1RB#0	19.15	18.89	PASS
Band7	20MHz	QPSK	20850	1RB#49	19.42	19.16	PASS
Band7	20MHz	QPSK	20850	1RB#99	19.34	19.08	PASS
Band7	20MHz	QPSK	20850	50RB#0	18.08	17.82	PASS
Band7	20MHz	QPSK	20850	50RB#25	18.20	17.94	PASS
Band7	20MHz	QPSK	20850	50RB#50	18.32	18.06	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.29	18.03	PASS
Band7	20MHz	QPSK	21100	1RB#0	19.30	19.04	PASS
Band7	20MHz	QPSK	21100	1RB#49	18.83	18.57	PASS
Band7	20MHz	QPSK	21100	1RB#99	18.90	18.64	PASS
Band7	20MHz	QPSK	21100	50RB#0	17.86	17.6	PASS
Band7	20MHz	QPSK	21100	50RB#25	18.00	17.74	PASS
Band7	20MHz	QPSK	21100	50RB#50	17.77	17.51	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.69	17.43	PASS
Band7	20MHz	QPSK	21350	1RB#0	18.70	18.44	PASS
Band7	20MHz	QPSK	21350	1RB#49	18.76	18.5	PASS

Band7	20MHz	QPSK	21350	1RB#99	18.70	18.44	PASS
Band7	20MHz	QPSK	21350	50RB#0	17.60	17.34	PASS
Band7	20MHz	QPSK	21350	50RB#25	17.58	17.32	PASS
Band7	20MHz	QPSK	21350	50RB#50	17.58	17.32	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.55	17.29	PASS
Band7	20MHz	16QAM	20850	1RB#0	18.12	17.86	PASS
Band7	20MHz	16QAM	20850	1RB#49	18.15	17.89	PASS
Band7	20MHz	16QAM	20850	1RB#99	18.22	17.96	PASS
Band7	20MHz	16QAM	20850	50RB#0	17.27	17.01	PASS
Band7	20MHz	16QAM	20850	50RB#25	17.36	17.1	PASS
Band7	20MHz	16QAM	20850	50RB#50	17.50	17.24	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.32	17.06	PASS
Band7	20MHz	16QAM	21100	1RB#0	18.67	18.41	PASS
Band7	20MHz	16QAM	21100	1RB#49	18.24	17.98	PASS
Band7	20MHz	16QAM	21100	1RB#99	18.52	18.26	PASS
Band7	20MHz	16QAM	21100	50RB#0	17.01	16.75	PASS
Band7	20MHz	16QAM	21100	50RB#25	17.09	16.83	PASS
Band7	20MHz	16QAM	21100	50RB#50	16.79	16.53	PASS
Band7	20MHz	16QAM	21100	100RB#0	16.95	16.69	PASS
Band7	20MHz	16QAM	21350	1RB#0	17.60	17.34	PASS
Band7	20MHz	16QAM	21350	1RB#49	17.51	17.25	PASS
Band7	20MHz	16QAM	21350	1RB#99	17.54	17.28	PASS
Band7	20MHz	16QAM	21350	50RB#0	16.85	16.59	PASS
Band7	20MHz	16QAM	21350	50RB#25	16.67	16.41	PASS
Band7	20MHz	16QAM	21350	50RB#50	16.76	16.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	16.81	16.55	PASS

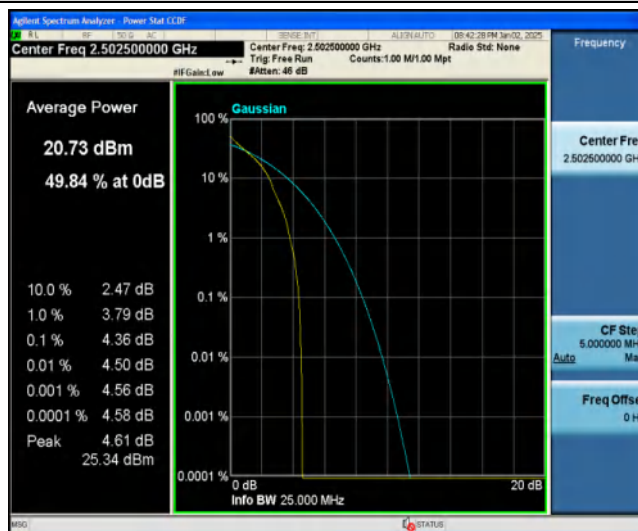
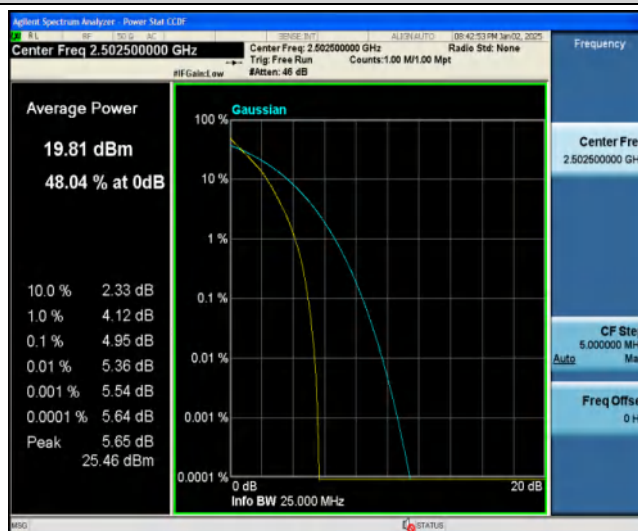
Appendix B: Peak-to-Average Ratio(CCDF)

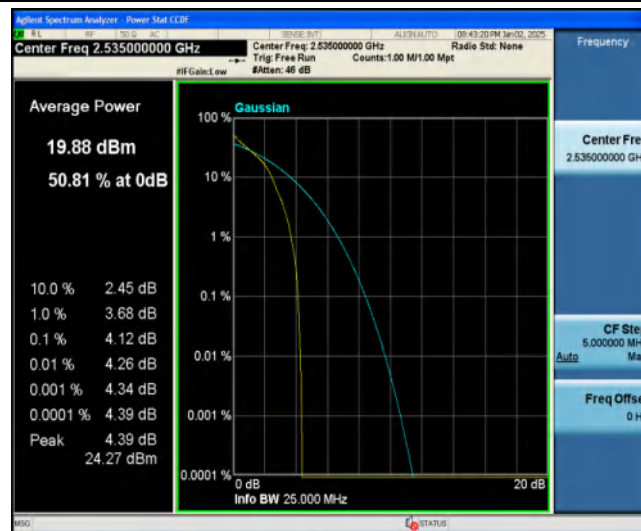
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	4.36	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.95	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	4.12	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.56	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	2.87	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	3.63	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.08	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.67	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	4.59	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.36	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	4.17	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.40	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	4.31	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.24	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	3.64	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.66	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	3.57	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	3.79	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	5.19	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.96	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	4.66	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.30	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	4.66	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	4.86	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	4.38	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.65	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	4.83	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.46	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	5.26	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.40	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.14	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.15	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.55	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.01	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	6.29	13	PASS

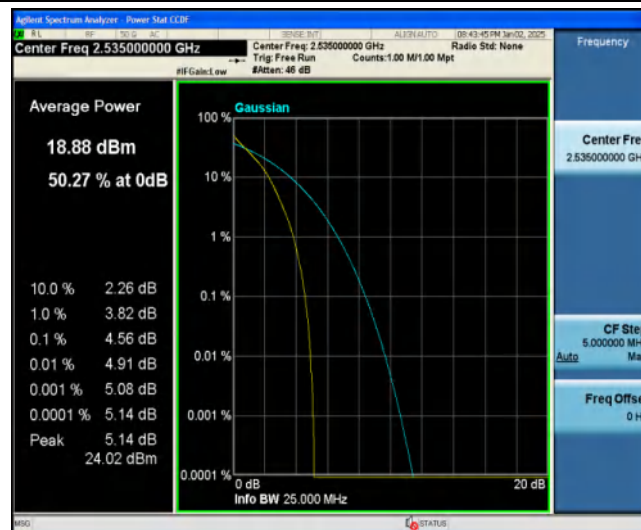
Band7	15MHz	16QAM	21375	75RB#0	6.06	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	4.17	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.49	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.14	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.22	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	5.01	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.23	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	4.94	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.26	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	4.81	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.87	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.78	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.99	13	PASS

Test Graphs

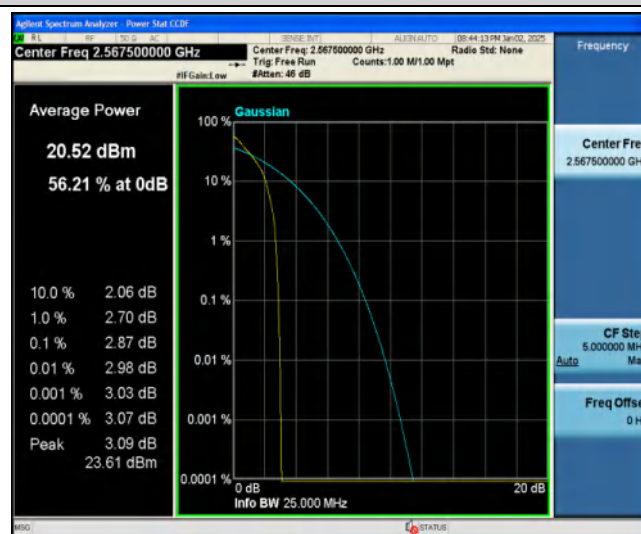
Band7-5MHz-QPSK-20775-1RB#0**Band7-5MHz-QPSK-20775-25RB#0****Band7-5MHz-QPSK-21100-1RB#0**



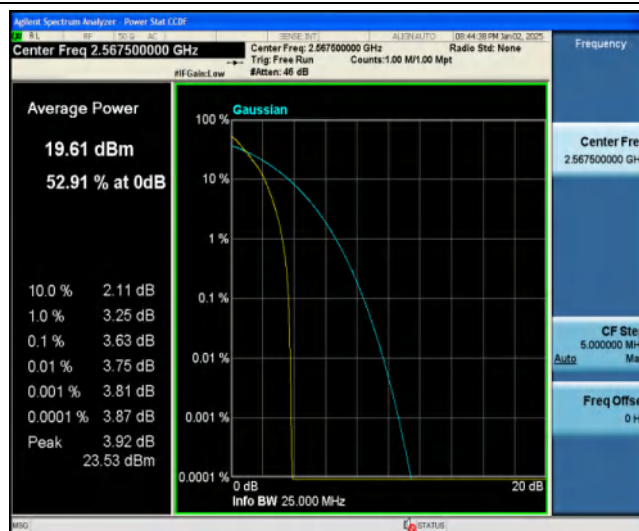
Band7-5MHz-QPSK-21100-25RB#0



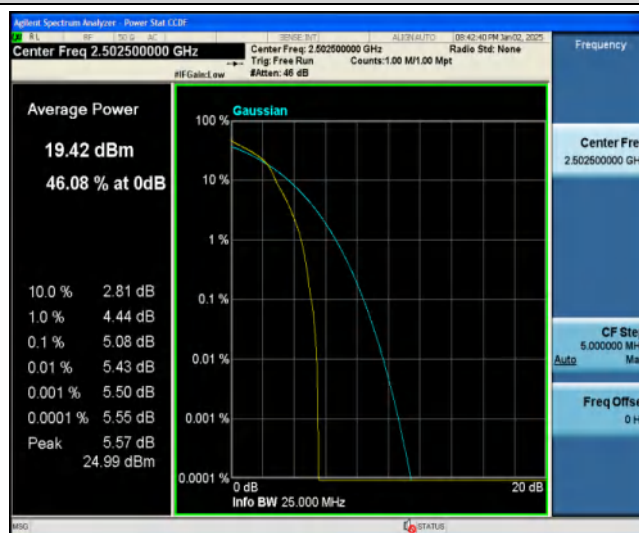
Band7-5MHz-QPSK-21425-1RB#0



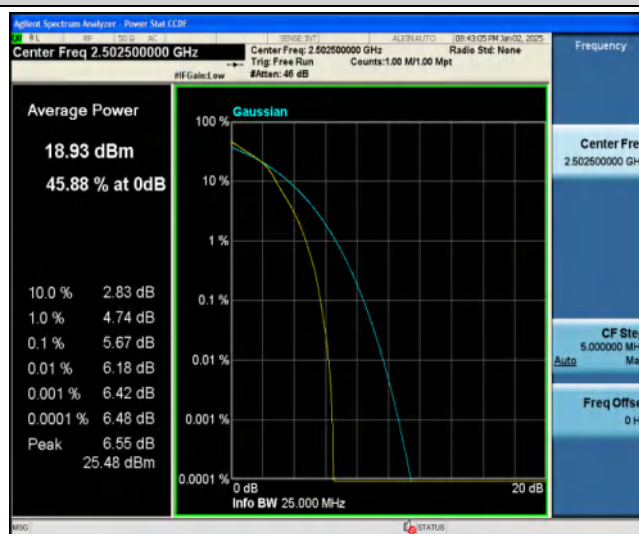
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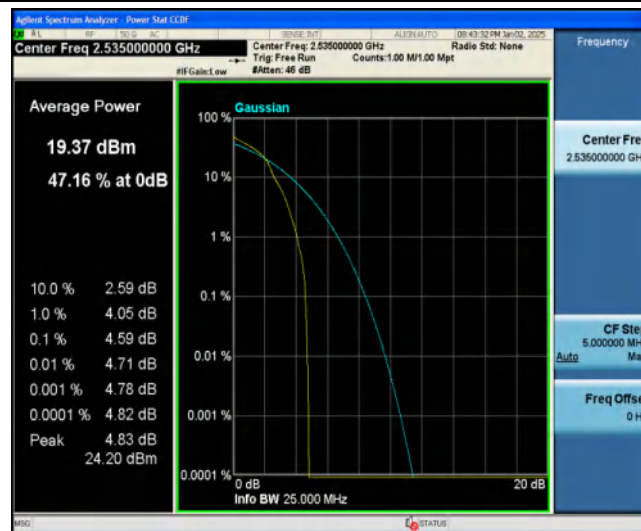
Band7-5MHz-16QAM-20775-1RB#0



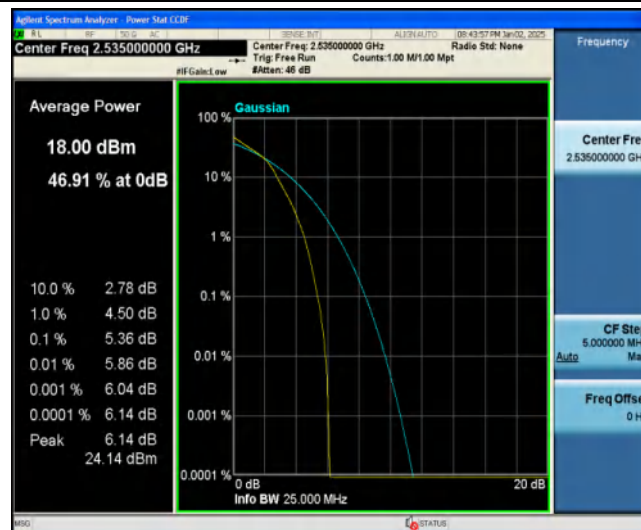
Band7-5MHz-16QAM-20775-25RB#0



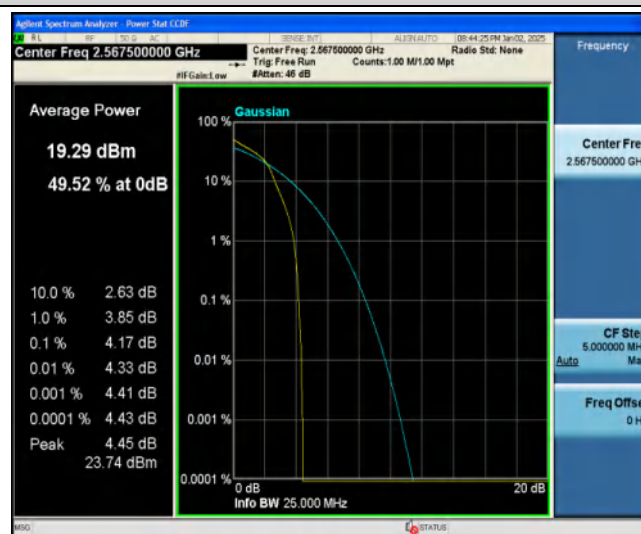
Band7-5MHz-16QAM-21100-1RB#0



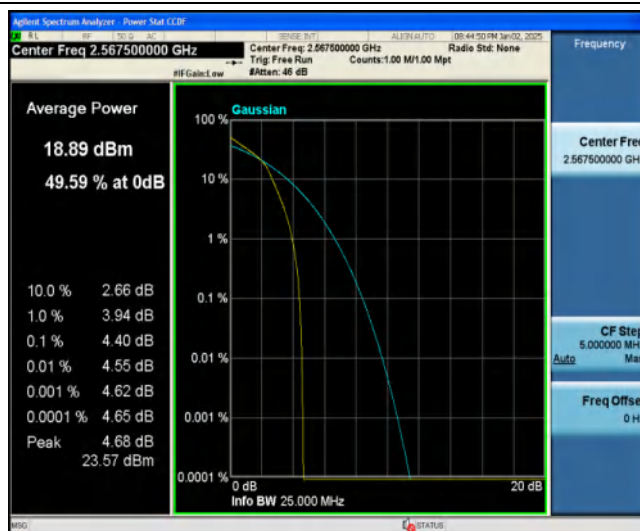
Band7-5MHz-16QAM-21100-25RB#0



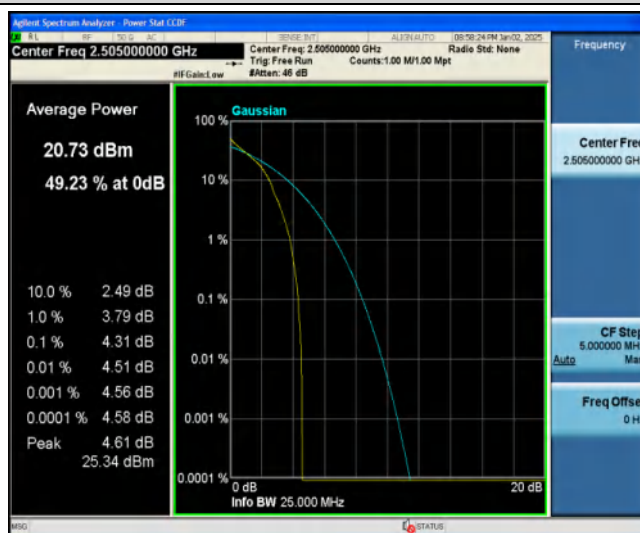
Band7-5MHz-16QAM-21425-1RB#0



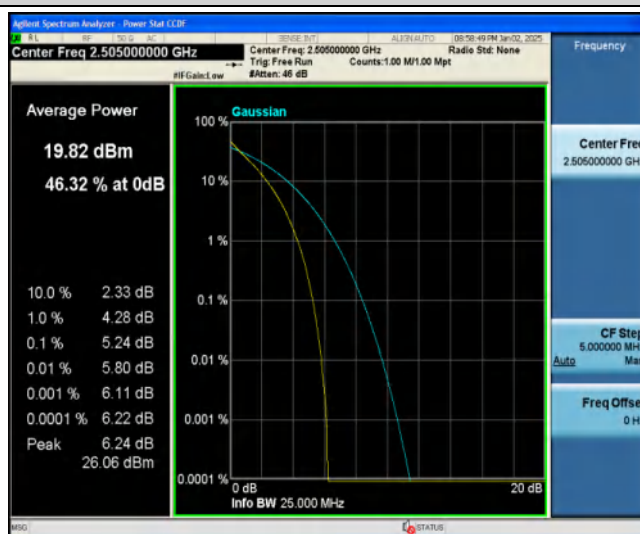
Band7-5MHz-16QAM-21425-25RB#0



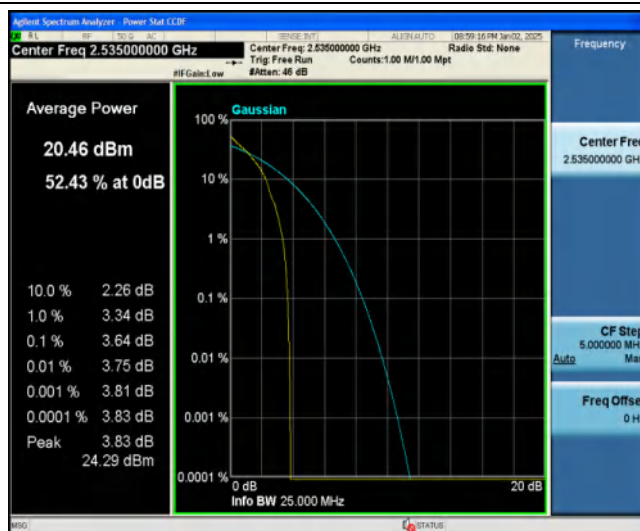
Band7-10MHz-QPSK-20800-1RB#0



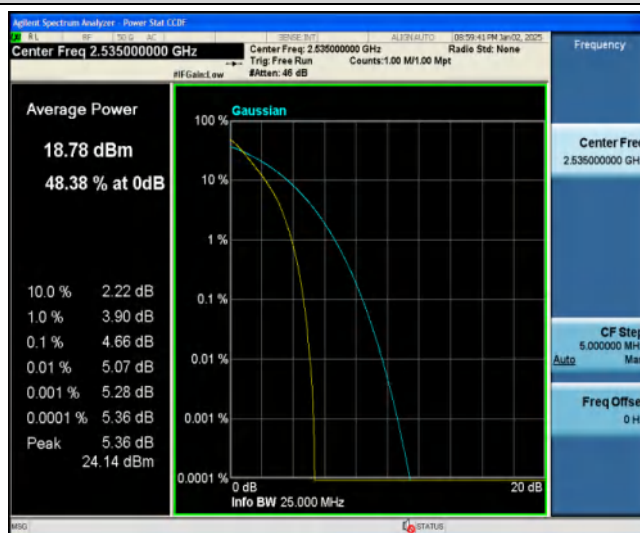
Band7-10MHz-QPSK-20800-50RB#0



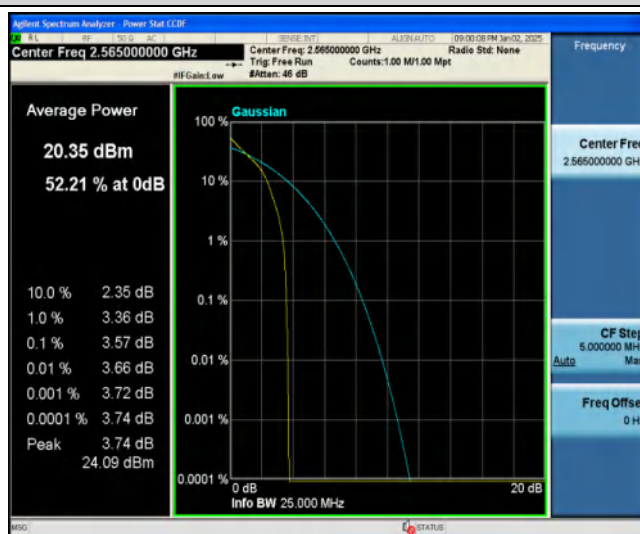
Band7-10MHz-QPSK-21100-1RB#0



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



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



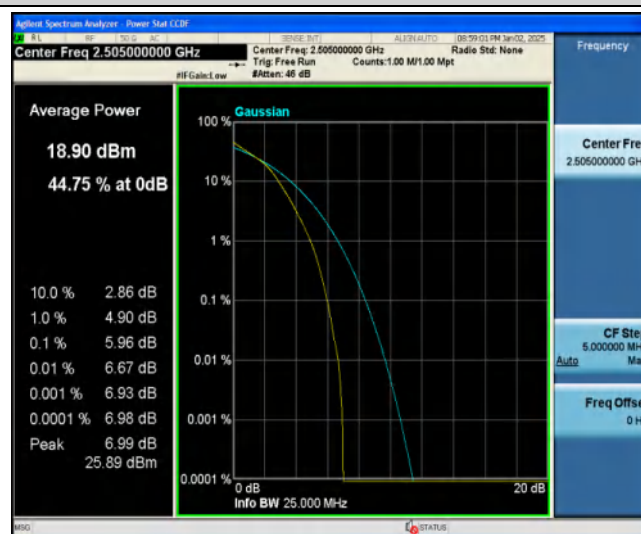
Band7-10MHz-QPSK-21400-50RB#0



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



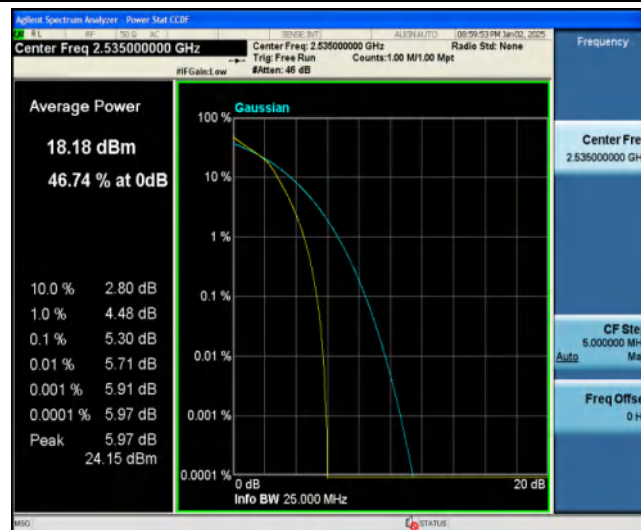
Band7-10MHz-16QAM-20800-50RB#0



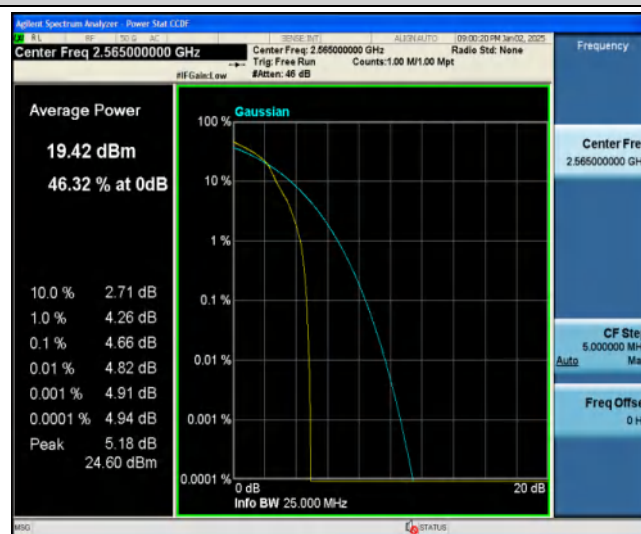
Band7-10MHz-16QAM-21100-1RB#0



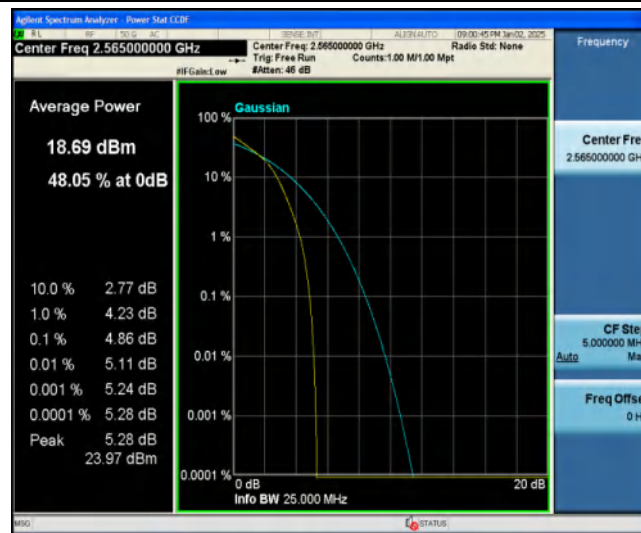
Band7-10MHz-16QAM-21100-50RB#0



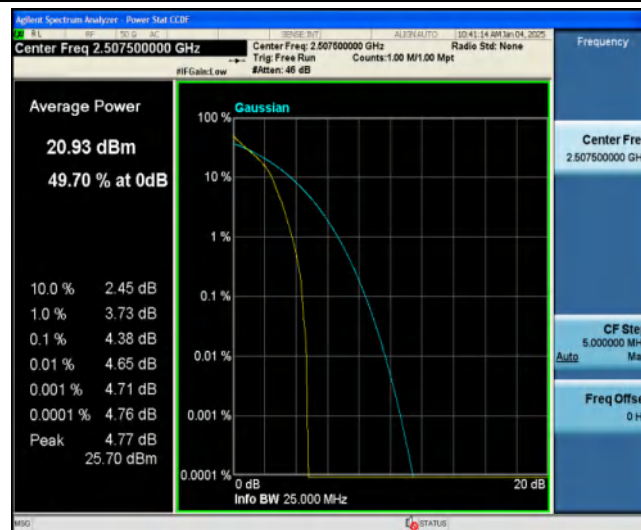
Band7-10MHz-16QAM-21400-1RB#0



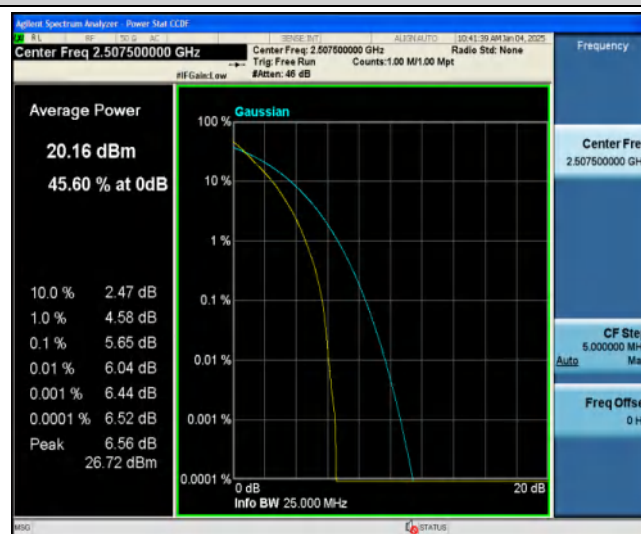
Band7-10MHz-16QAM-21400-50RB#0



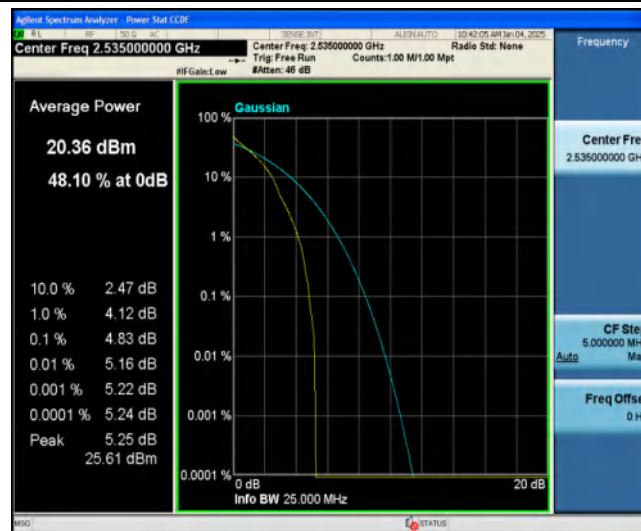
Band7-15MHz-QPSK-20825-1RB#0



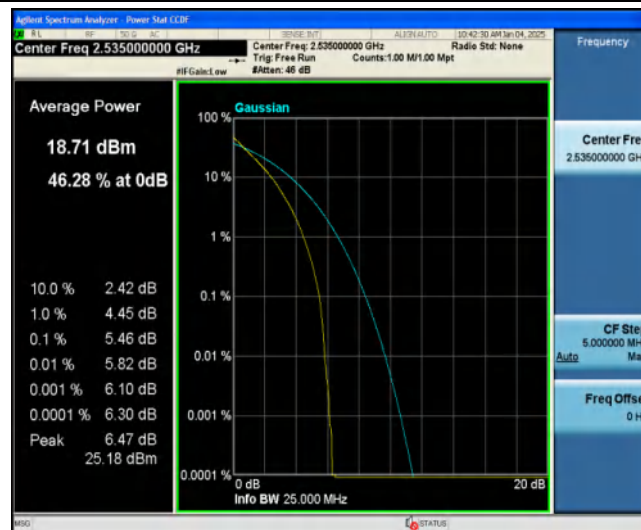
Band7-15MHz-QPSK-20825-75RB#0



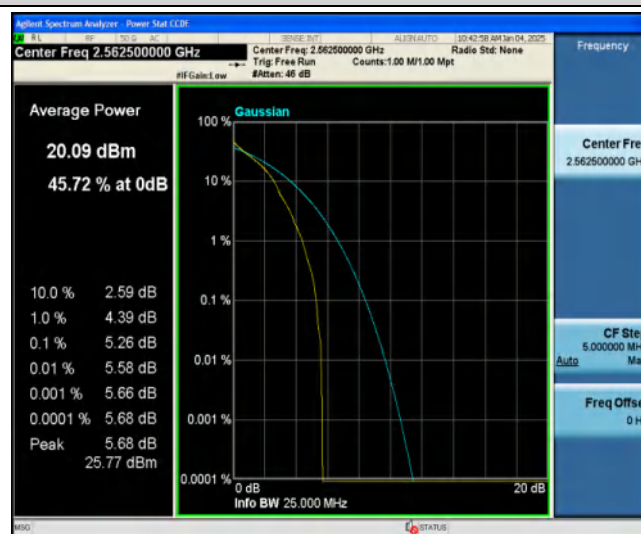
Band7-15MHz-QPSK-21100-1RB#0



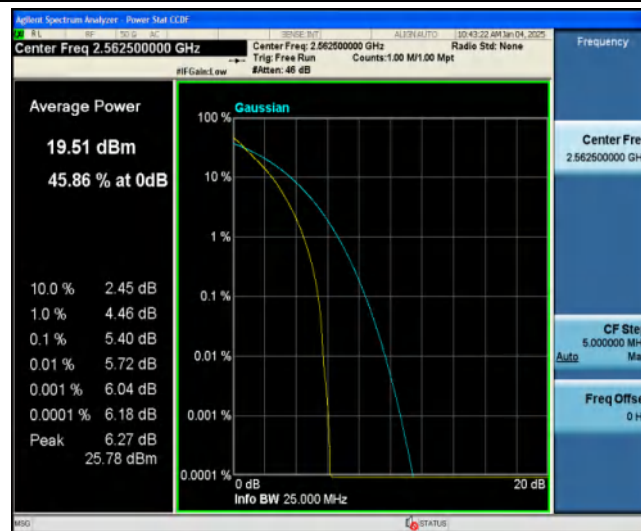
Band7-15MHz-QPSK-21100-75RB#0



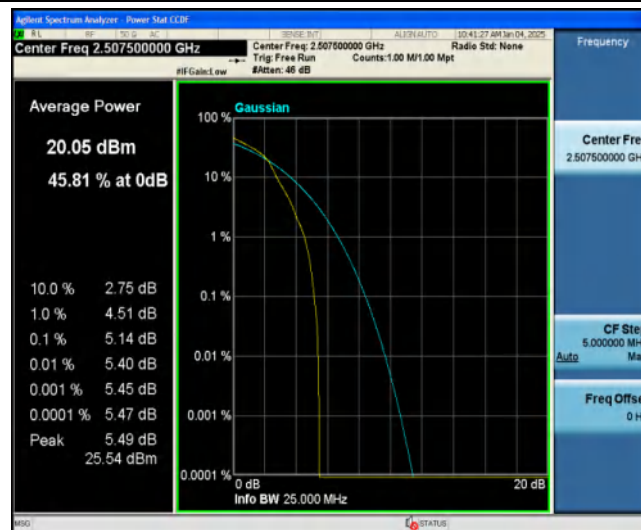
Band7-15MHz-QPSK-21375-1RB#0



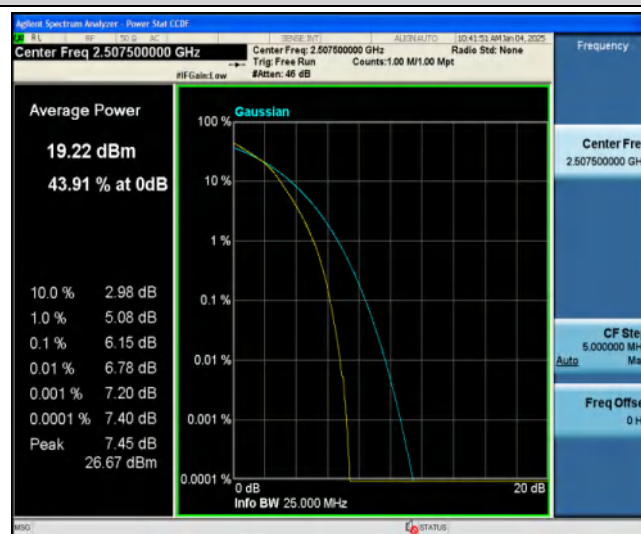
Band7-15MHz-QPSK-21375-75RB#0



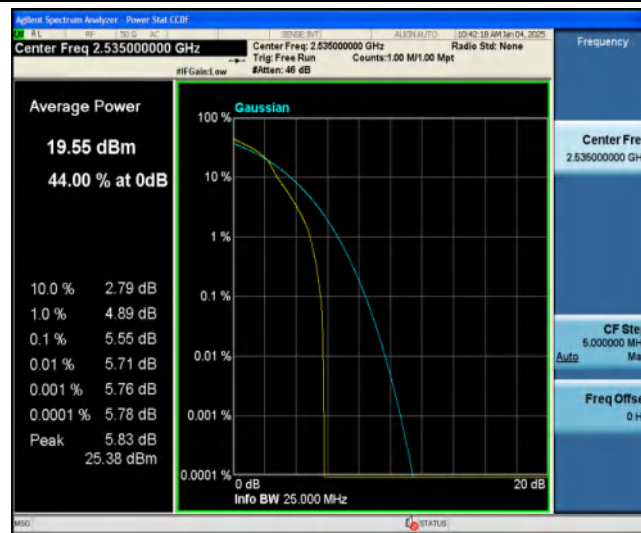
Band7-15MHz-16QAM-20825-1RB#0



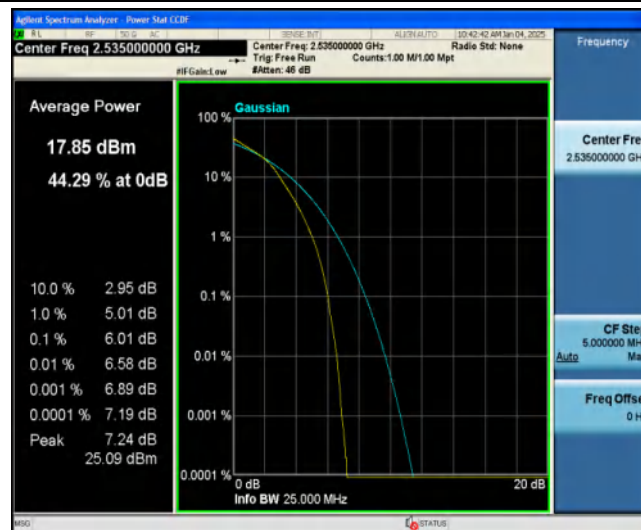
Band7-15MHz-16QAM-20825-75RB#0



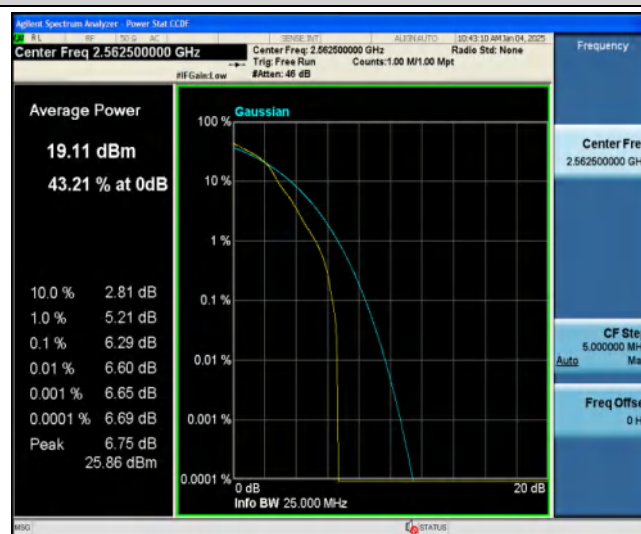
Band7-15MHz-16QAM-21100-1RB#0



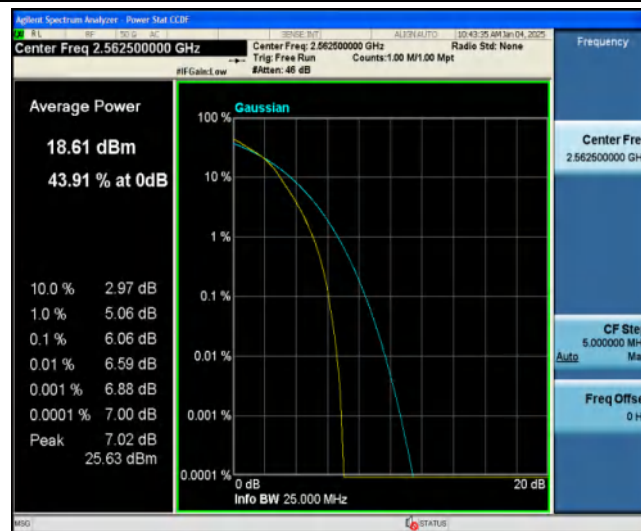
Band7-15MHz-16QAM-21100-75RB#0



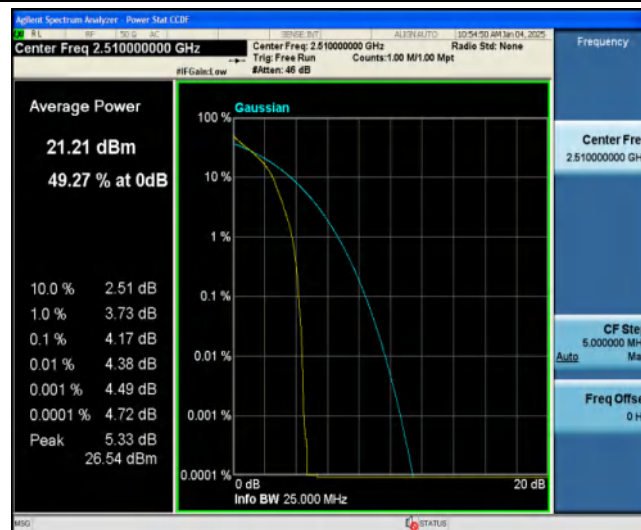
Band7-15MHz-16QAM-21375-1RB#0



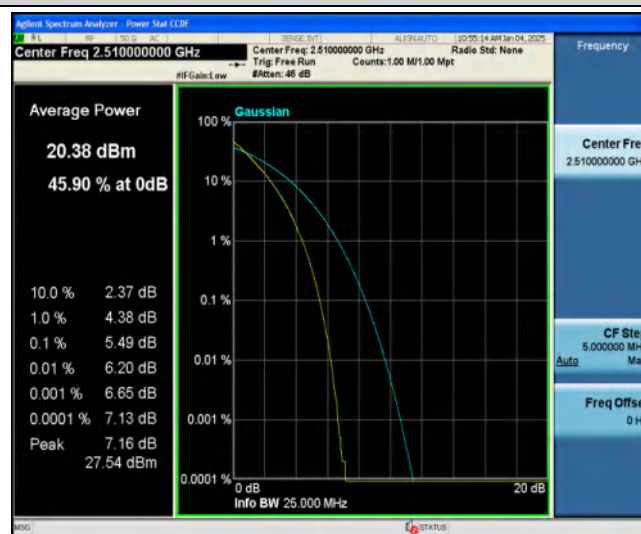
Band7-15MHz-16QAM-21375-75RB#0



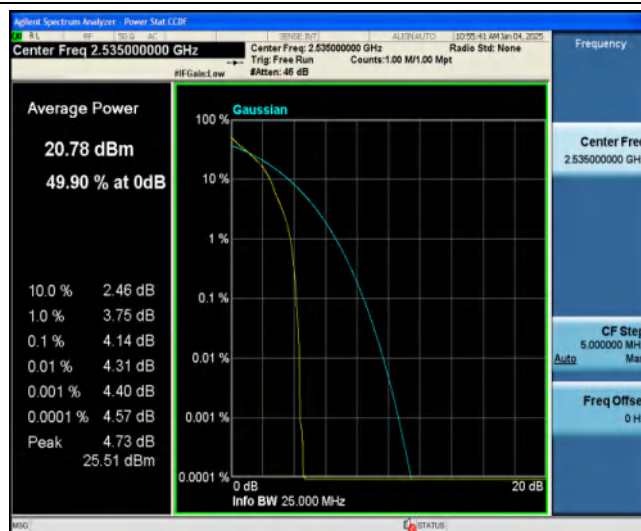
Band7-20MHz-QPSK-20850-1RB#0



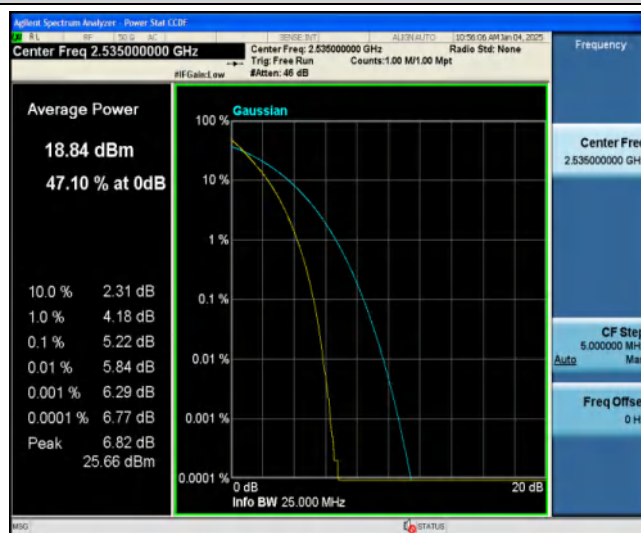
Band7-20MHz-QPSK-20850-100RB#0



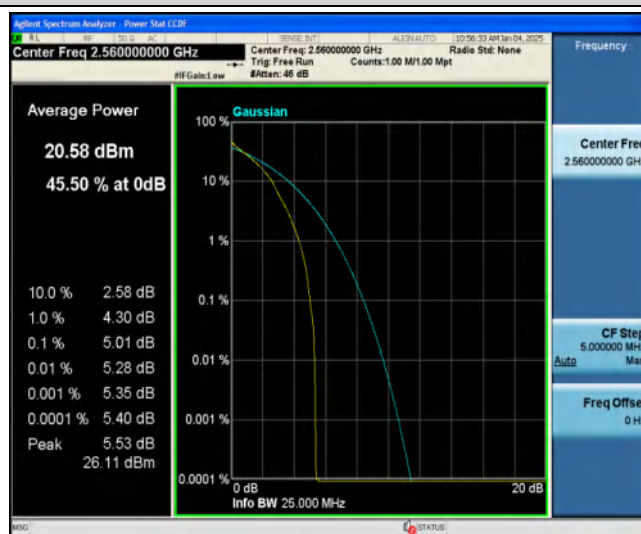
Band7-20MHz-QPSK-21100-1RB#0



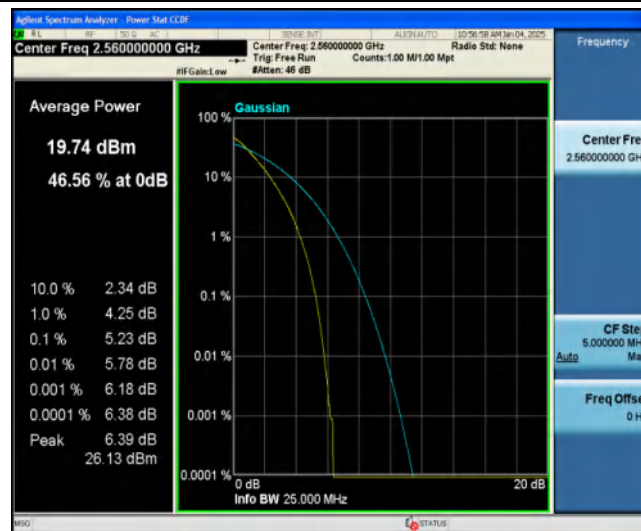
Band7-20MHz-QPSK-21100-100RB#0



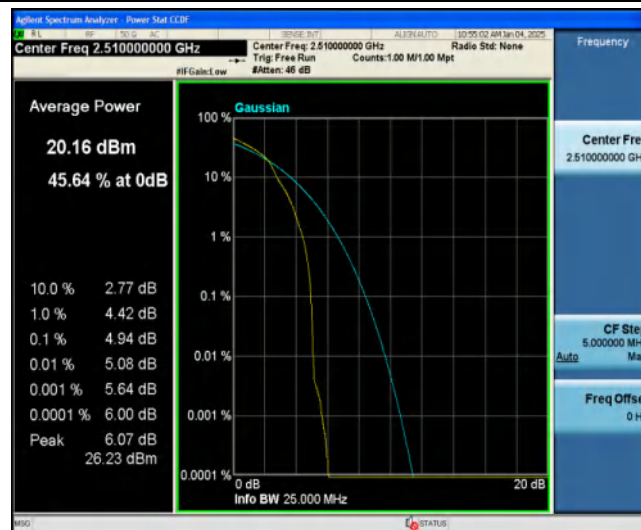
Band7-20MHz-QPSK-21350-1RB#0



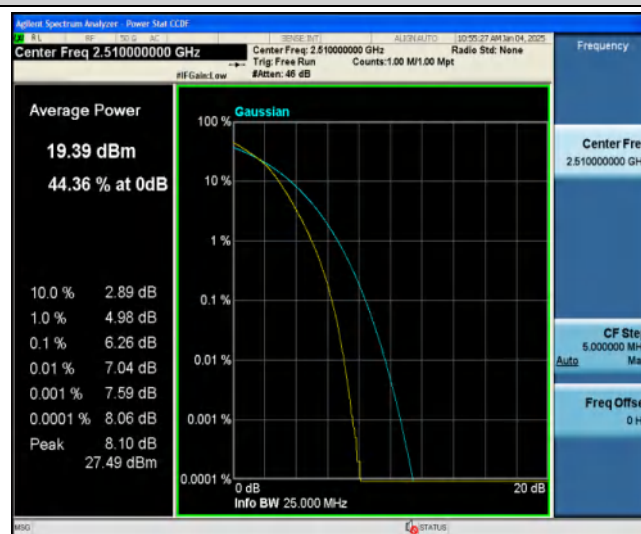
Band7-20MHz-QPSK-21350-100RB#0



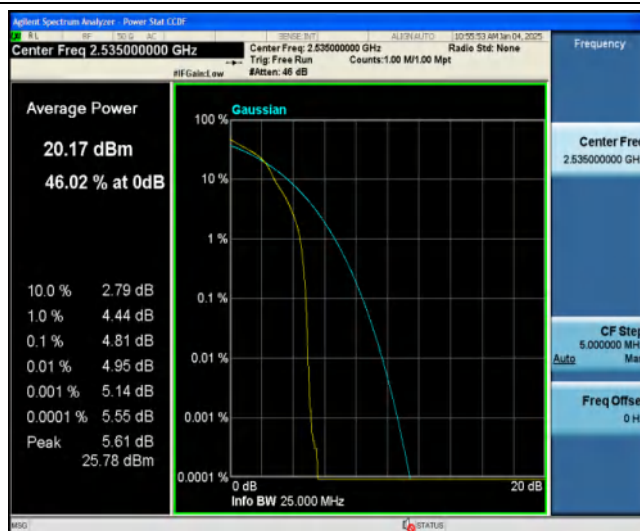
Band7-20MHz-16QAM-20850-1RB#0



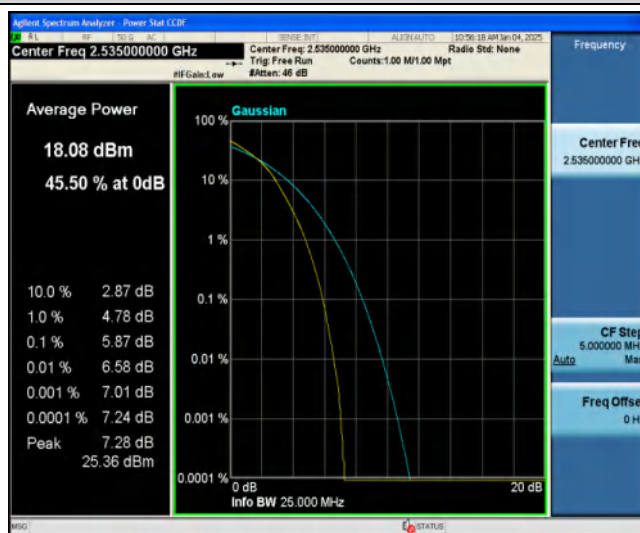
Band7-20MHz-16QAM-20850-100RB#0



Band7-20MHz-16QAM-21100-1RB#0



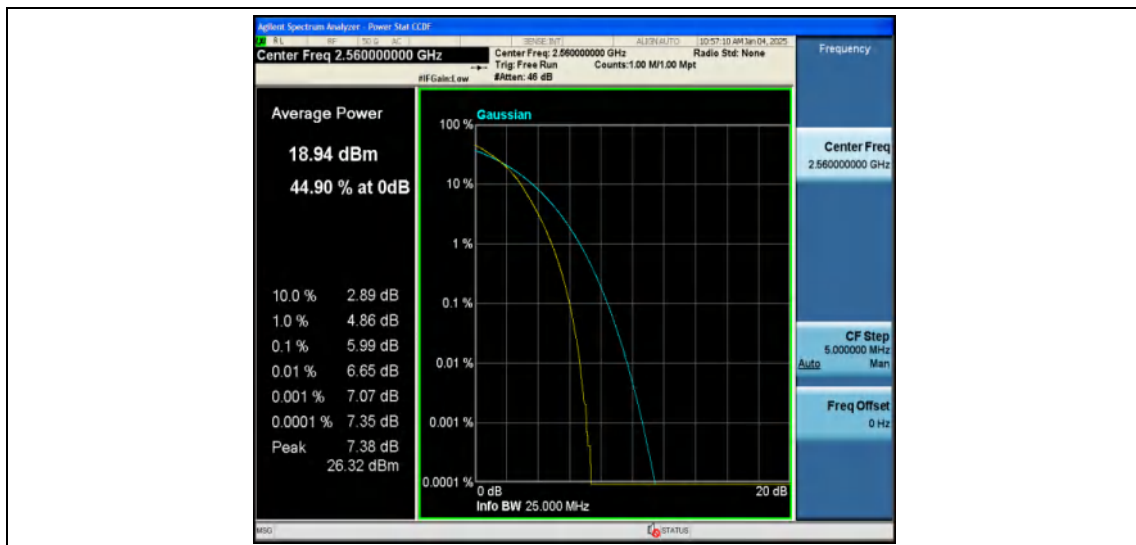
Band7-20MHz-16QAM-21100-100RB#0



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



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



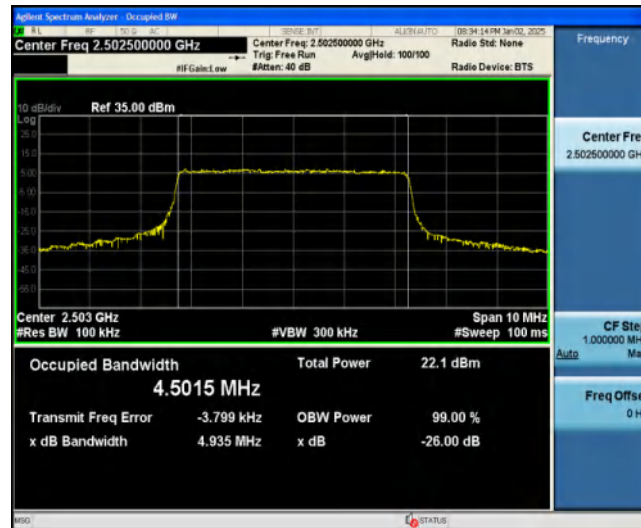
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

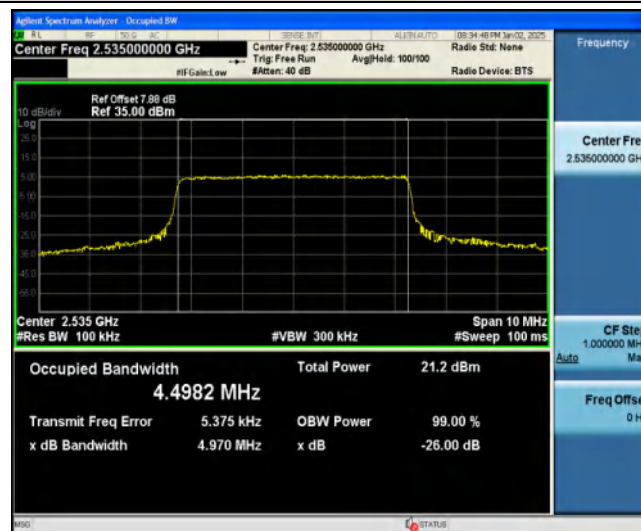
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5015	4.935	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4982	4.970	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5028	4.977	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4956	4.931	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.4990	4.984	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5057	4.963	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9868	9.564	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9907	9.608	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9814	9.650	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9690	9.562	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9804	9.654	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9664	9.589	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.468	14.28	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.449	14.39	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.470	14.45	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.454	14.27	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.448	14.30	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.462	14.33	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.966	18.98	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.939	19.04	PASS
Band7	20MHz	QPSK	21350	100RB#0	18.017	19.02	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.953	19.03	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.964	18.98	PASS
Band7	20MHz	16QAM	21350	100RB#0	18.016	19.03	PASS

Test Graphs

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



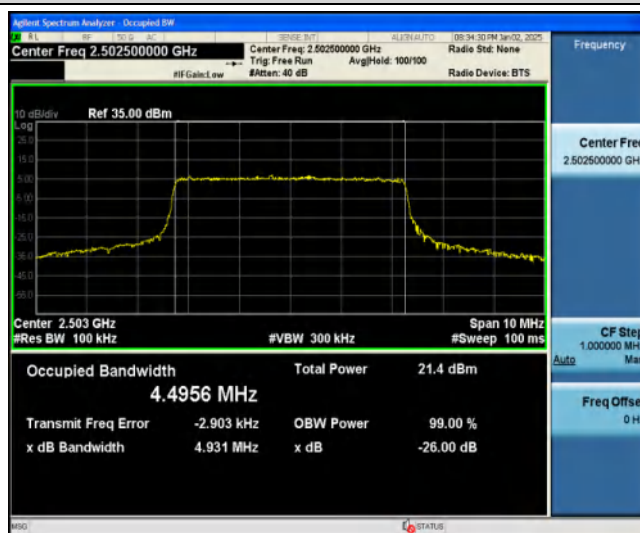
Band7-5MHz-QPSK-21100-25RB#0



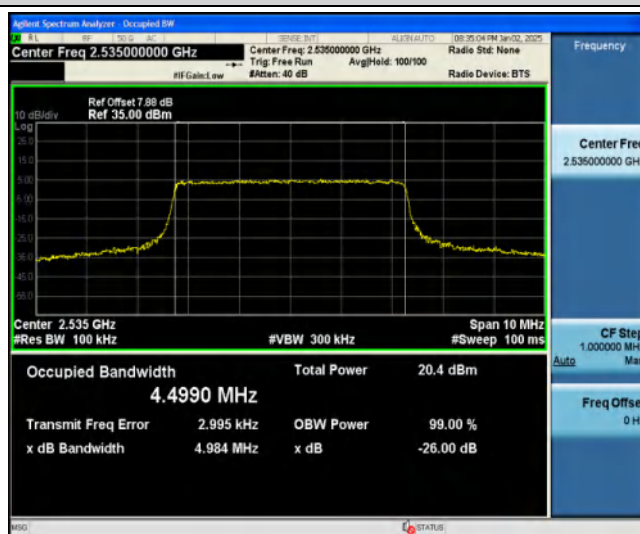
Band7-5MHz-QPSK-21425-25RB#0



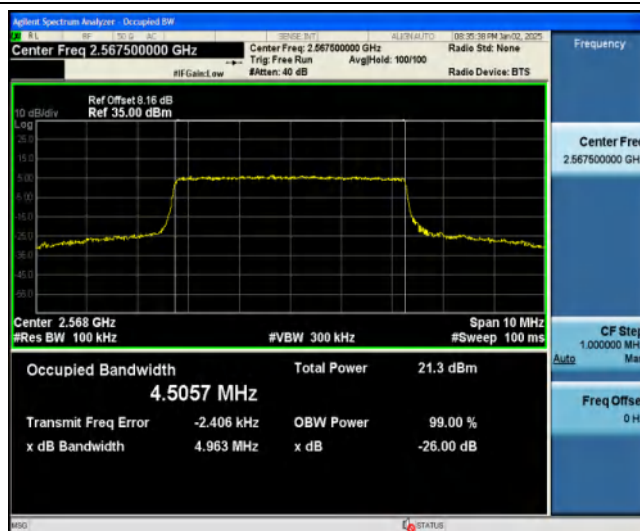
Band7-5MHz-16QAM-20775-25RB#0



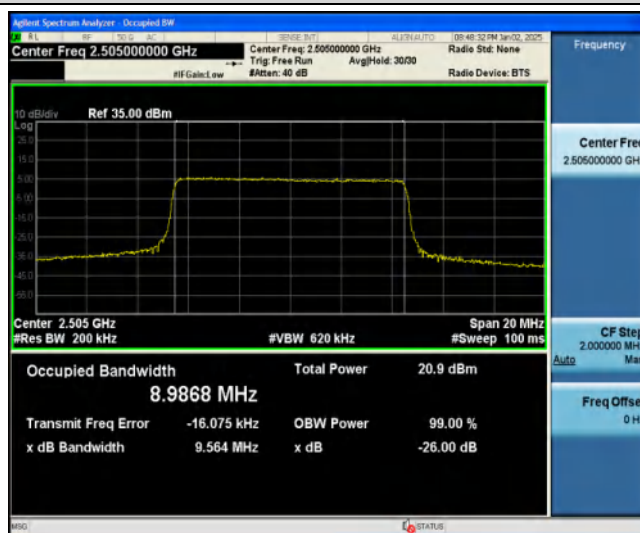
Band7-5MHz-16QAM-21100-25RB#0



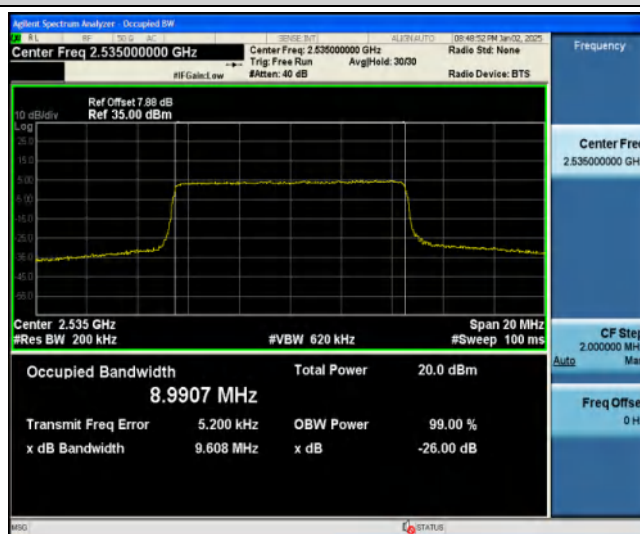
Band7-5MHz-16QAM-21425-25RB#0



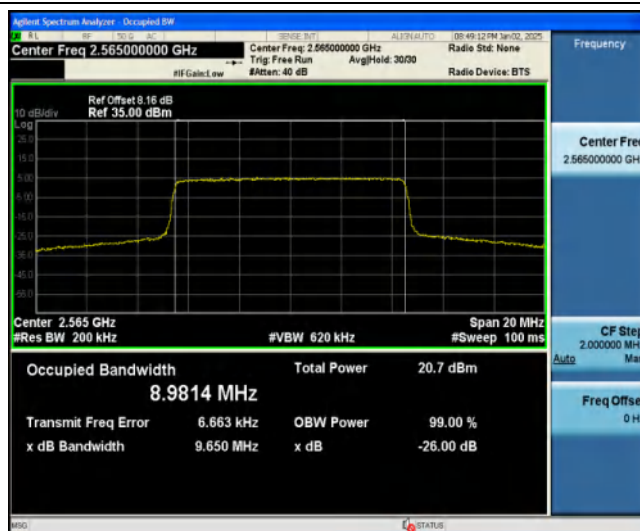
Band7-10MHz-QPSK-20800-50RB#0



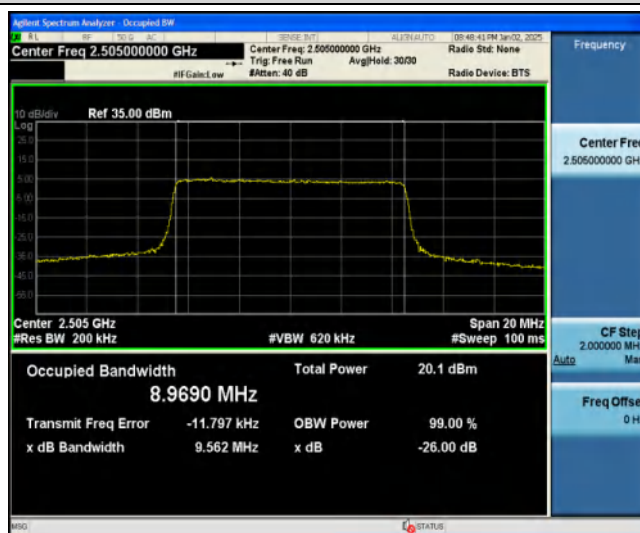
Band7-10MHz-QPSK-21100-50RB#0



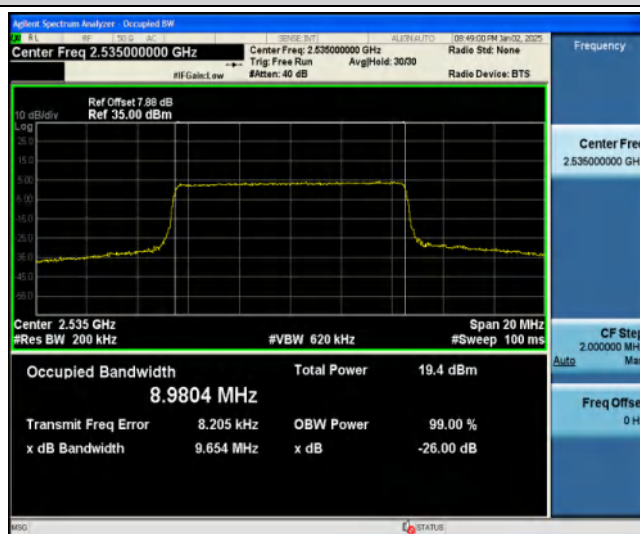
Band7-10MHz-QPSK-21400-50RB#0



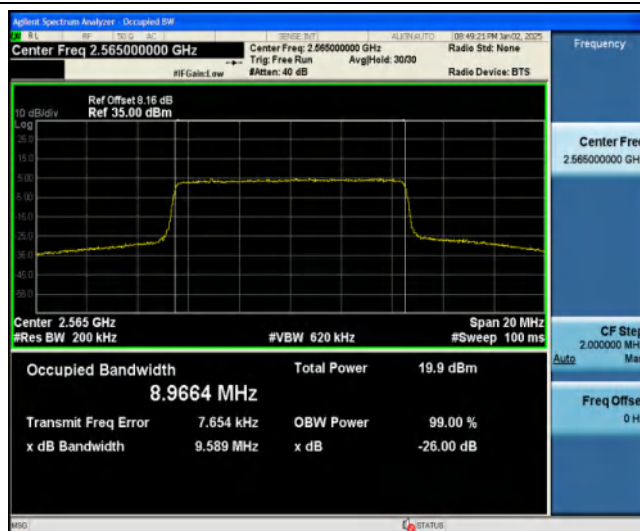
Band7-10MHz-16QAM-20800-50RB#0



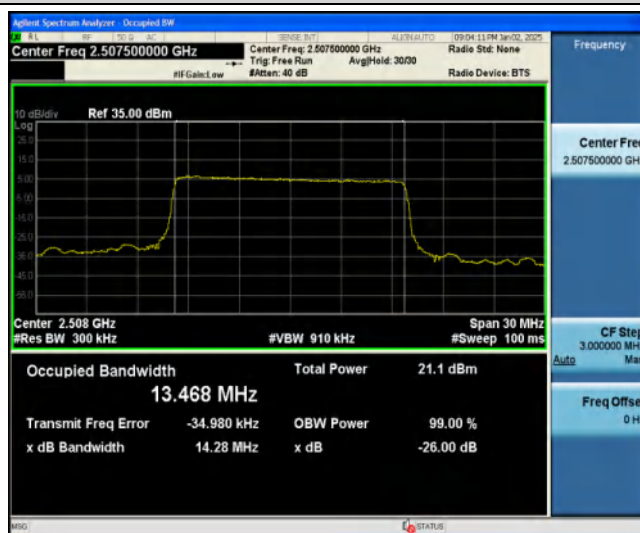
Band7-10MHz-16QAM-21100-50RB#0



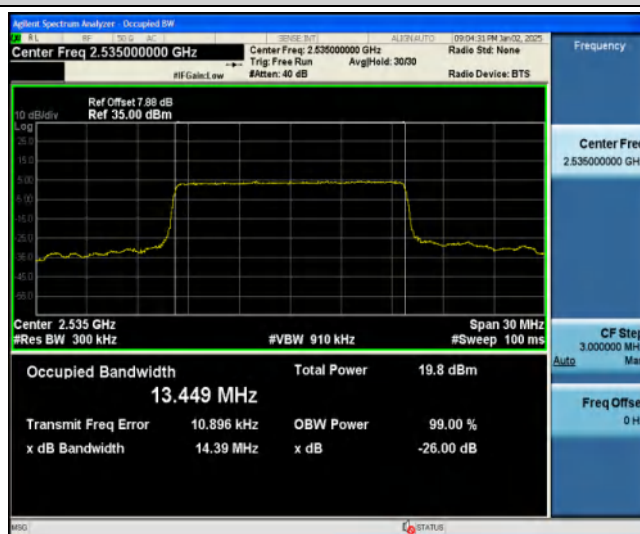
Band7-10MHz-16QAM-21400-50RB#0



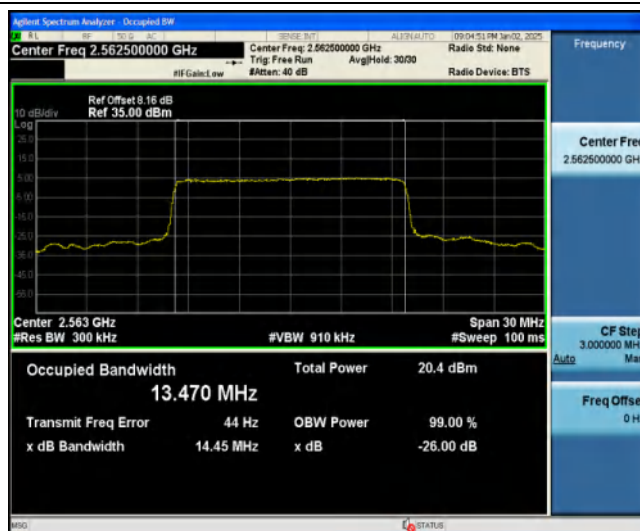
Band7-15MHz-QPSK-20825-75RB#0



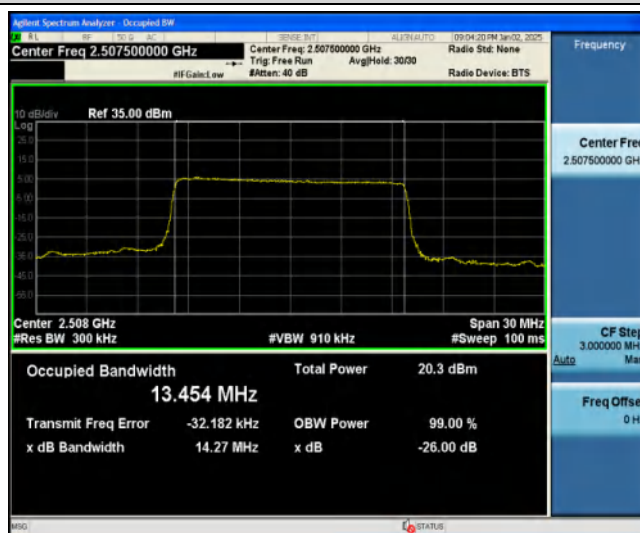
Band7-15MHz-QPSK-21100-75RB#0



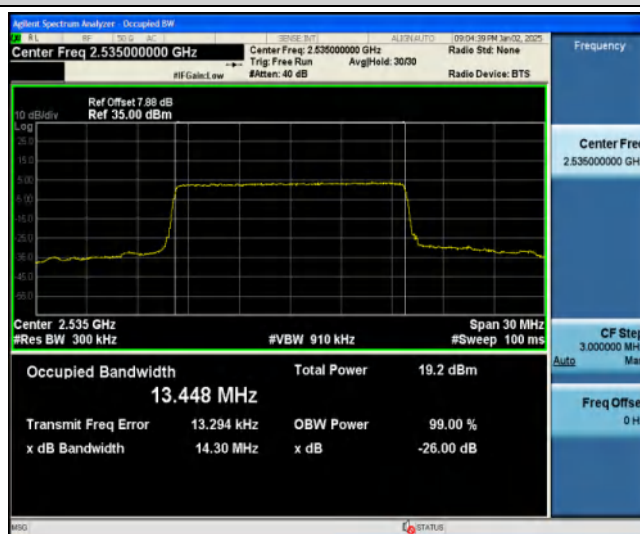
Band7-15MHz-QPSK-21375-75RB#0



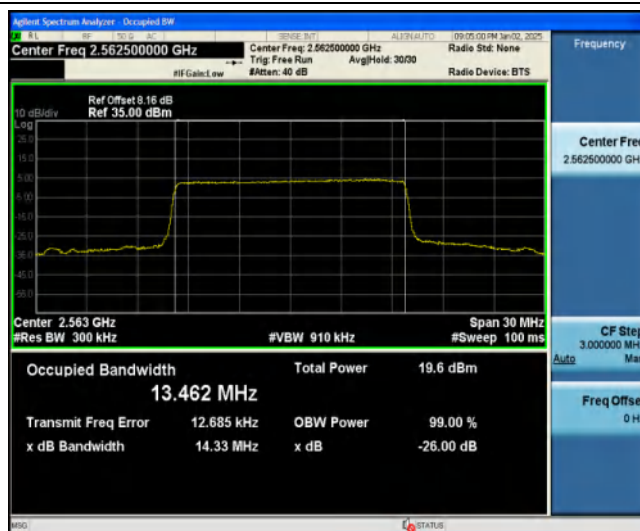
Band7-15MHz-16QAM-20825-75RB#0



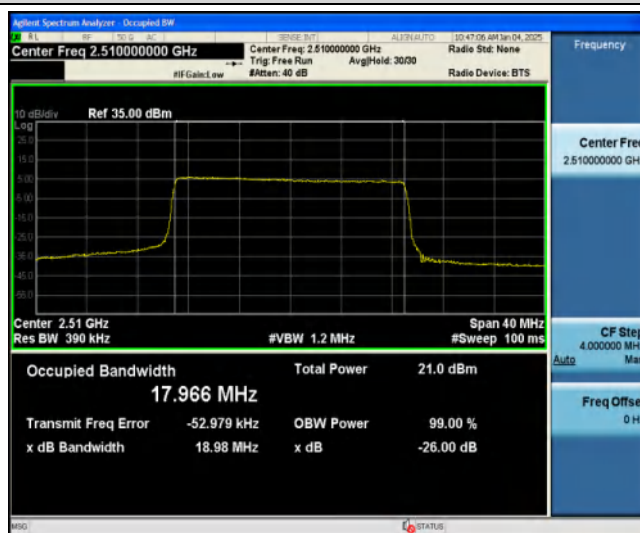
Band7-15MHz-16QAM-21100-75RB#0



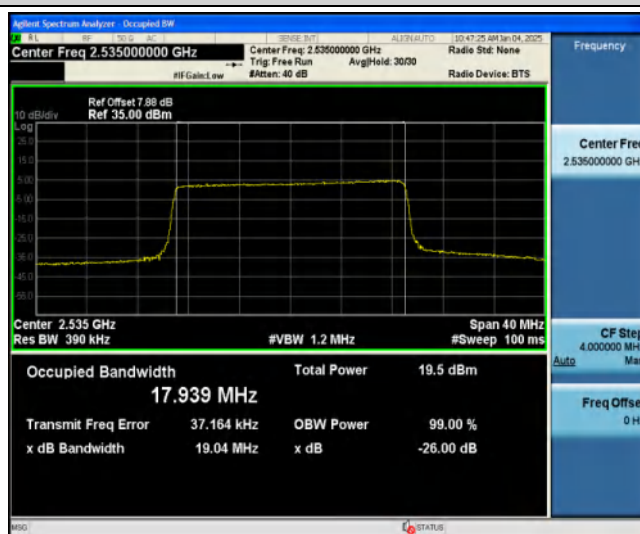
Band7-15MHz-16QAM-21375-75RB#0



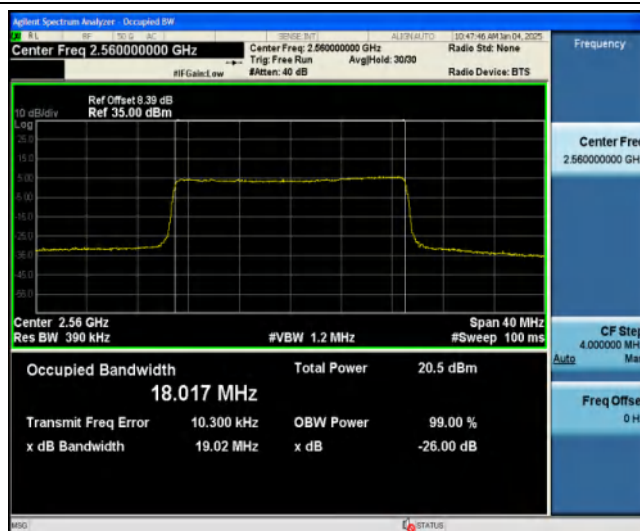
Band7-20MHz-QPSK-20850-100RB#0



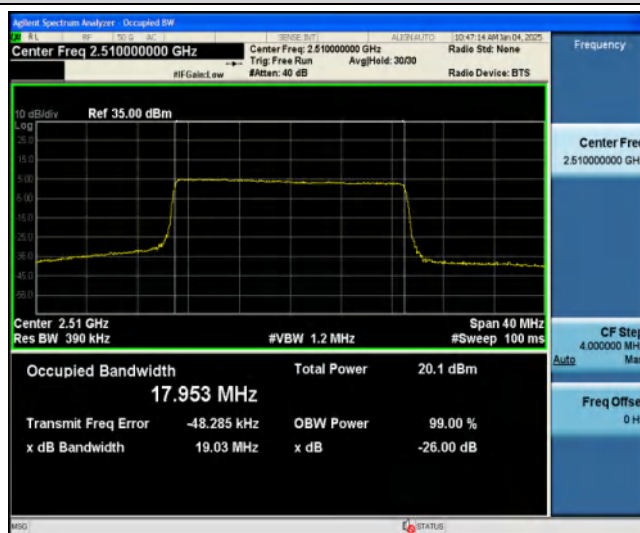
Band7-20MHz-QPSK-21100-100RB#0



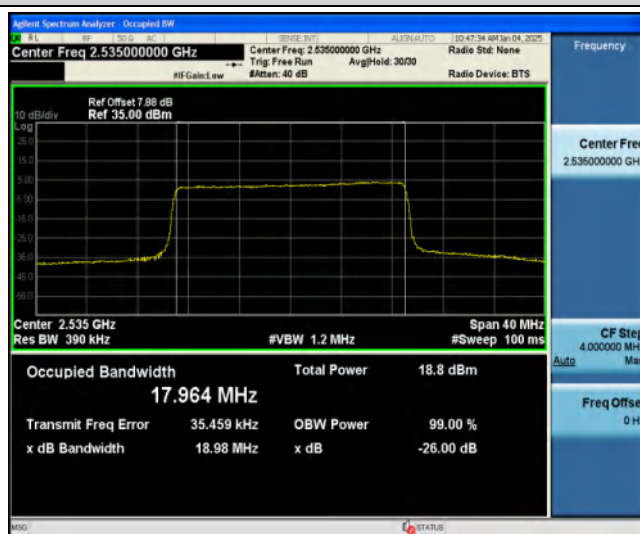
Band7-20MHz-QPSK-21350-100RB#0



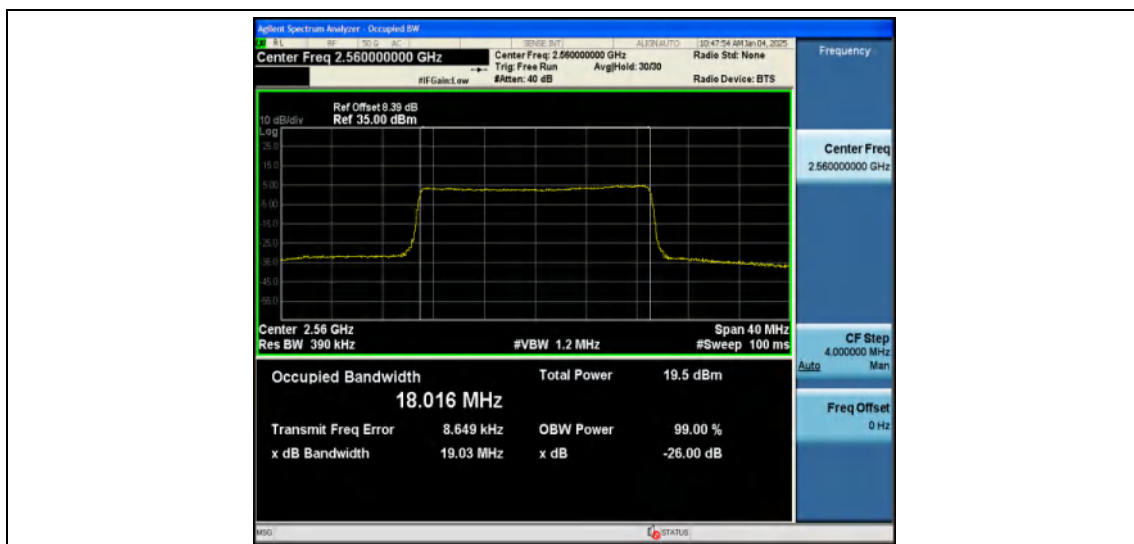
Band7-20MHz-16QAM-20850-100RB#0



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



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



Appendix D: Band Edge

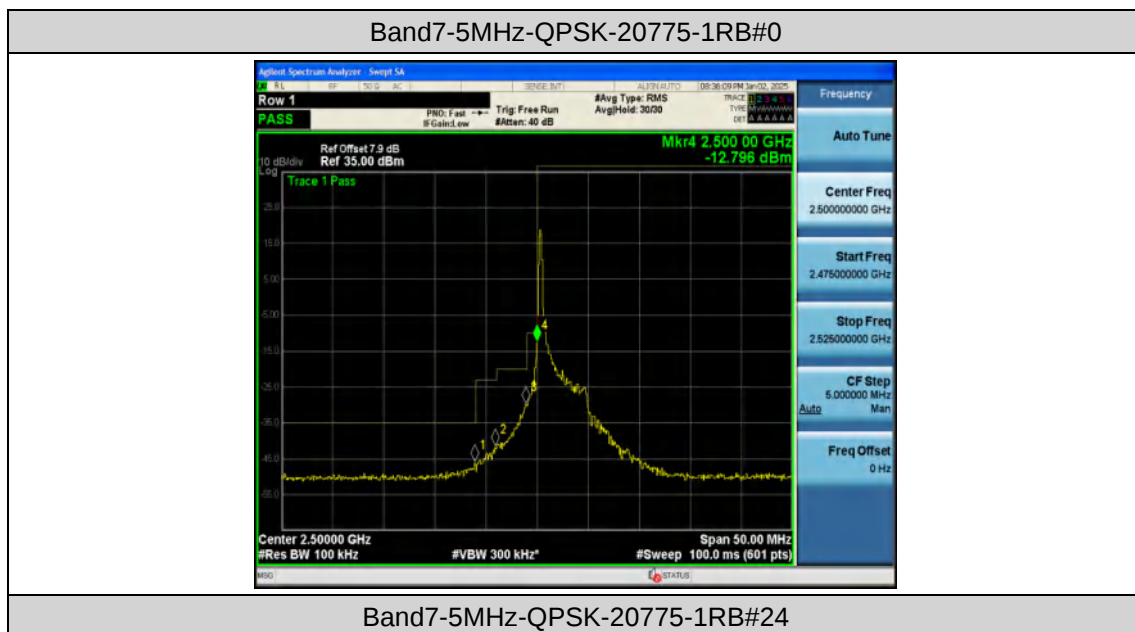
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band 7	5MHz	QPSK	20775	1RB#0	-46.13,-41.83,-29.94,-12.80	PASS
Band 7	5MHz	QPSK	20775	1RB#24	-45.92,-40.72,-33.57,-27.46	PASS
Band 7	5MHz	QPSK	20775	25RB#0	-44.25,-37.62,-31.44,-21.51	PASS
Band 7	5MHz	QPSK	21425	1RB#0	-30.51,-35.00,-45.49,-46.82	PASS
Band 7	5MHz	QPSK	21425	1RB#24	-12.59,-28.98,-44.71,-45.11	PASS
Band 7	5MHz	QPSK	21425	25RB#0	-21.17,-25.10,-43.95,-45.33	PASS
Band 7	5MHz	16QAM	20775	1RB#0	-47.55,-43.15,-33.98,-13.72	PASS
Band 7	5MHz	16QAM	20775	1RB#24	-46.88,-43.30,-35.90,-29.38	PASS
Band 7	5MHz	16QAM	20775	25RB#0	-45.80,-39.24,-31.83,-23.38	PASS
Band 7	5MHz	16QAM	21425	1RB#0	-28.55,-34.85,-45.02,-47.24	PASS
Band 7	5MHz	16QAM	21425	1RB#24	-11.90,-30.74,-44.69,-46.08	PASS
Band 7	5MHz	16QAM	21425	25RB#0	-20.12,-26.78,-43.78,-45.73	PASS
Band 7	10MHz	QPSK	20800	1RB#0	-47.10,-40.45,-28.40,-15.79	PASS
Band 7	10MHz	QPSK	20800	1RB#49	-46.59,-39.03,-34.15,-30.18	PASS
Band 7	10MHz	QPSK	20800	50RB#0	-44.45,-34.41,-31.69,-26.32	PASS
Band 7	10MHz	QPSK	21400	1RB#0	-31.51,-36.58,-37.19,-46.35	PASS
Band 7	10MHz	QPSK	21400	1RB#49	-14.12,-28.60,-39.75,-46.45	PASS
Band 7	10MHz	QPSK	21400	50RB#0	-23.40,-25.24,-30.45,-44.0	PASS

7					8	
Band 7	10MHz	16QAM	20800	1RB#0	-46.76,-39.80,-27.47,-16.17	PASS
Band 7	10MHz	16QAM	20800	1RB#49	-46.97,-38.72,-33.32,-28.56	PASS
Band 7	10MHz	16QAM	20800	50RB#0	-44.89,-35.64,-32.81,-27.81	PASS
Band 7	10MHz	16QAM	21400	1RB#0	-30.93,-35.46,-37.87,-46.15	PASS
Band 7	10MHz	16QAM	21400	1RB#49	-15.07,-28.04,-40.66,-46.18	PASS
Band 7	10MHz	16QAM	21400	50RB#0	-25.04,-26.63,-31.91,-44.67	PASS
Band 7	15MHz	QPSK	20825	1RB#0	-44.23,-37.13,-29.21,-15.68	PASS
Band 7	15MHz	QPSK	20825	1RB#74	-37.51,-38.32,-35.13,-32.32	PASS
Band 7	15MHz	QPSK	20825	75RB#0	-35.23,-30.17,-28.24,-25.10	PASS
Band 7	15MHz	QPSK	21375	1RB#0	-34.41,-37.21,-36.68,-44.78	PASS
Band 7	15MHz	QPSK	21375	1RB#74	-15.17,-28.26,-39.56,-44.66	PASS
Band 7	15MHz	QPSK	21375	75RB#0	-23.80,-24.66,-28.24,-44.33	PASS
Band 7	15MHz	16QAM	20825	1RB#0	-45.29,-36.72,-29.02,-17.06	PASS
Band 7	15MHz	16QAM	20825	1RB#74	-38.24,-37.66,-34.11,-30.98	PASS
Band 7	15MHz	16QAM	20825	75RB#0	-39.26,-32.86,-31.02,-27.64	PASS
Band 7	15MHz	16QAM	21375	1RB#0	-33.78,-36.68,-37.22,-44.78	PASS
Band 7	15MHz	16QAM	21375	1RB#74	-16.81,-28.34,-39.78,-44.62	PASS
Band 7	15MHz	16QAM	21375	75RB#0	-26.26,-27.48,-30.73,-43.88	PASS
Band 7	20MHz	QPSK	20850	1RB#0	-44.09,-39.34,-27.88,-18.10	PASS
Band 7	20MHz	QPSK	20850	1RB#99	-35.56,-37.05,-33.39,-30.53	PASS
Band 7	20MHz	QPSK	20850	100RB#0	-34.83,-32.25,-29.55,-28.00	PASS

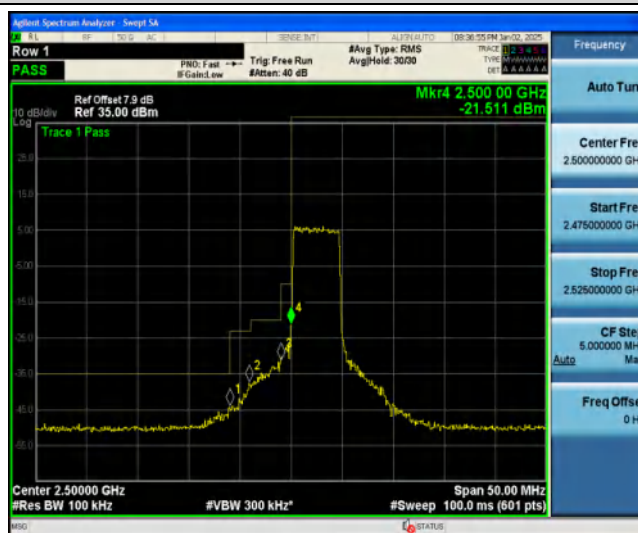
Band 7	20MHz	QPSK	21350	1RB#0	-32.92,-35.97,-38.94,-44.11	PASS
Band 7	20MHz	QPSK	21350	1RB#99	-17.48,-28.24,-39.17,-44.17	PASS
Band 7	20MHz	QPSK	21350	100RB#0	-27.02,-28.76,-32.65,-43.69	PASS
Band 7	20MHz	16QAM	20850	1RB#0	-44.72,-39.96,-28.30,-16.47	PASS
Band 7	20MHz	16QAM	20850	1RB#99	-35.38,-37.22,-33.70,-30.81	PASS
Band 7	20MHz	16QAM	20850	100RB#0	-37.29,-33.07,-31.61,-27.70	PASS
Band 7	20MHz	16QAM	21350	1RB#0	-35.64,-37.67,-38.53,-44.04	PASS
Band 7	20MHz	16QAM	21350	1RB#99	-17.28,-26.99,-39.21,-44.10	PASS
Band 7	20MHz	16QAM	21350	100RB#0	-28.67,-31.38,-33.98,-43.76	PASS

Test Graphs





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



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



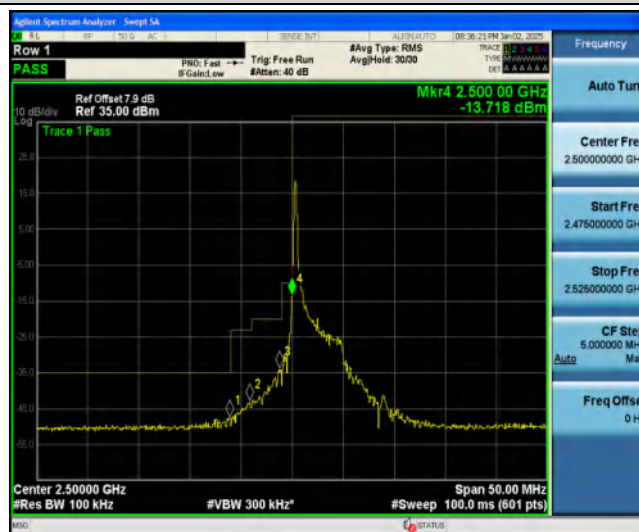
Band7-5MHz-QPSK-21425-1RB#24



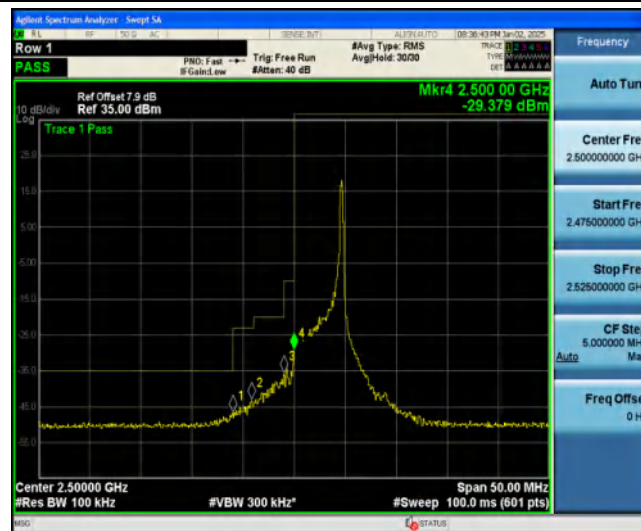
Band7-5MHz-QPSK-21425-25RB#0



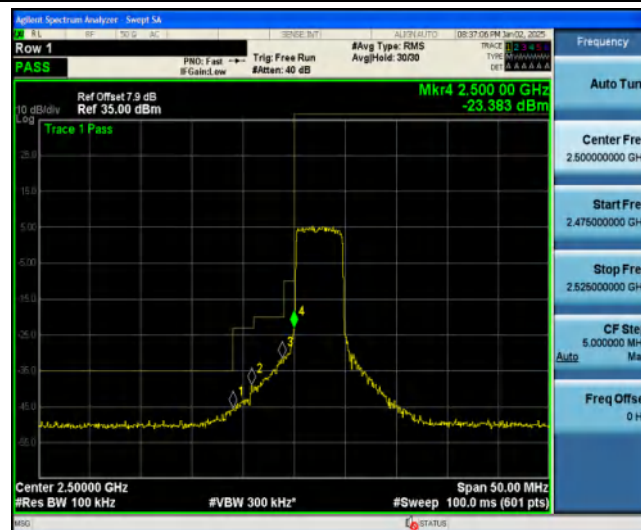
Band7-5MHz-16QAM-20775-1RB#0



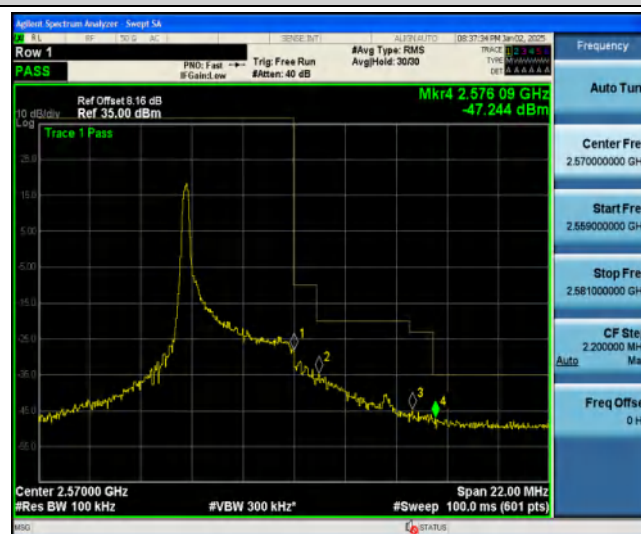
Band7-5MHz-16QAM-20775-1RB#24



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



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



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



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



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



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



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



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



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



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



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



Band7-10MHz-16QAM-20800-1RB#49



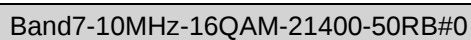
Band7-10MHz-16QAM-20800-50RB#0



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



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





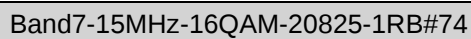
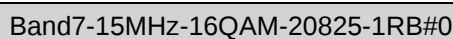
Band7-15MHz-QPSK-20825-75RB#0



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



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





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



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



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



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



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



Band7-20MHz-QPSK-20850-1RB#99



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



Band7-20MHz-QPSK-21350-1RB#0



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



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



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



Band7-20MHz-16QAM-20850-1RB#99



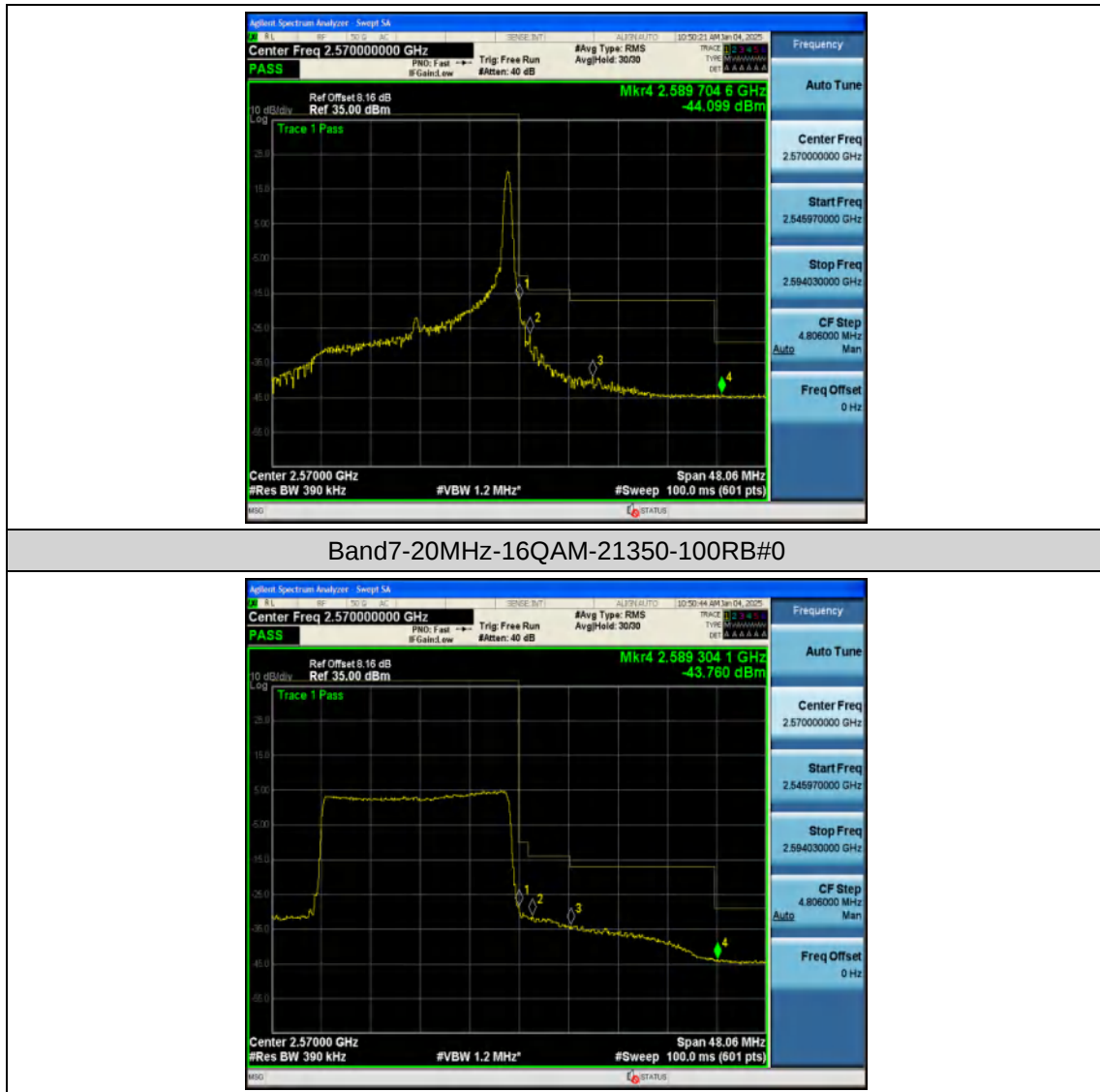
Band7-20MHz-16QAM-20850-100RB#0



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



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



Appendix E: Conducted Spurious Emission

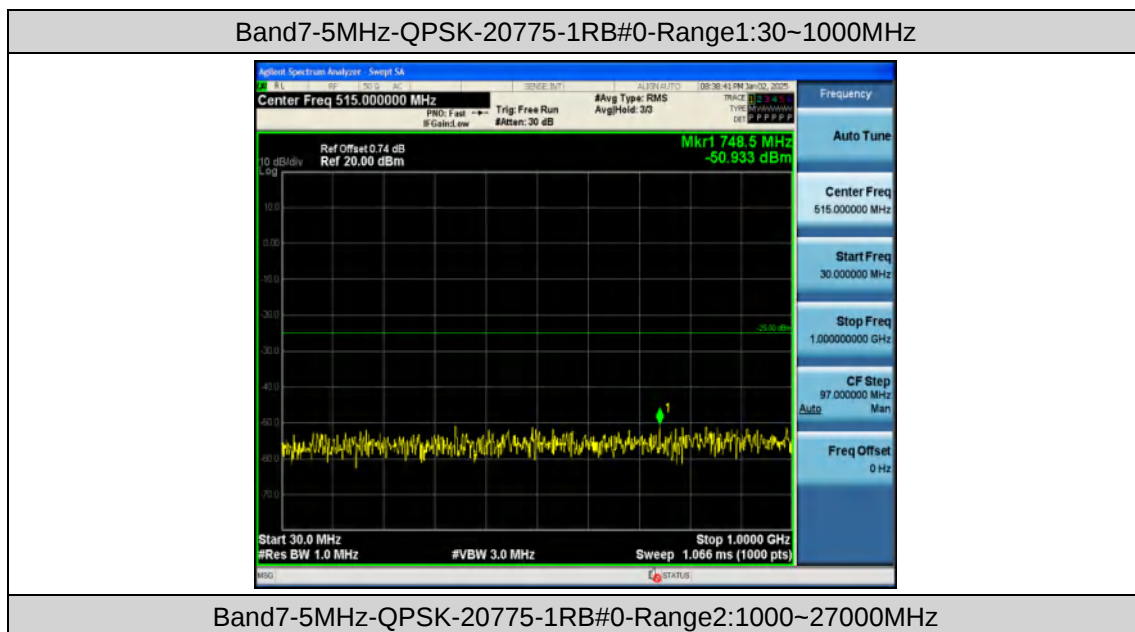
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band 7	5MHz	QPSK	20775	1RB#0	Range1:30~1000MHz	-50.93	PASS
Band 7	5MHz	QPSK	20775	1RB#0	Range2:1000~27000MHz	-33.13	PASS
Band 7	5MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-49.99	PASS
Band 7	5MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-32.21	PASS
Band 7	5MHz	QPSK	21425	1RB#0	Range1:30~1000MHz	-50.85	PASS
Band 7	5MHz	QPSK	21425	1RB#0	Range2:1000~27000MHz	-32.39	PASS
Band 7	5MHz	16QAM	20775	1RB#0	Range1:30~1000MHz	-50.65	PASS
Band 7	5MHz	16QAM	20775	1RB#0	Range2:1000~27000MHz	-32.13	PASS
Band 7	5MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-49.42	PASS
Band 7	5MHz	16QAM	21100	1RB#0	Range2:1000~27000MHz	-31.35	PASS
Band 7	5MHz	16QAM	21425	1RB#0	Range1:30~1000MHz	-50.28	PASS
Band 7	5MHz	16QAM	21425	1RB#0	Range2:1000~27000MHz	-32.67	PASS
Band 7	10MHz	QPSK	20800	1RB#0	Range1:30~1000MHz	-50.08	PASS
Band 7	10MHz	QPSK	20800	1RB#0	Range2:1000~27000MHz	-31.55	PASS
Band 7	10MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-50.28	PASS
Band 7	10MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-31.96	PASS
Band 7	10MHz	QPSK	21400	1RB#0	Range1:30~1000MHz	-49.47	PASS
Band 7	10MHz	QPSK	21400	1RB#0	Range2:1000~27000MHz	-32.6	PASS

7					Hz	8	S
Band 7	10MHz	16QAM	20800	1RB#0	Range1:30~1000MHz	-48.47	PAS S
Band 7	10MHz	16QAM	20800	1RB#0	Range2:1000~27000M Hz	-33.47	PAS S
Band 7	10MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-50.41	PAS S
Band 7	10MHz	16QAM	21100	1RB#0	Range2:1000~27000M Hz	-32.15	PAS S
Band 7	10MHz	16QAM	21400	1RB#0	Range1:30~1000MHz	-50.62	PAS S
Band 7	10MHz	16QAM	21400	1RB#0	Range2:1000~27000M Hz	-31.68	PAS S
Band 7	15MHz	QPSK	20825	1RB#0	Range1:30~1000MHz	-50.37	PAS S
Band 7	15MHz	QPSK	20825	1RB#0	Range2:1000~27000M Hz	-32.76	PAS S
Band 7	15MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-50.12	PAS S
Band 7	15MHz	QPSK	21100	1RB#0	Range2:1000~27000M Hz	-32.62	PAS S
Band 7	15MHz	QPSK	21375	1RB#0	Range1:30~1000MHz	-50.66	PAS S
Band 7	15MHz	QPSK	21375	1RB#0	Range2:1000~27000M Hz	-32.75	PAS S
Band 7	15MHz	16QAM	20825	1RB#0	Range1:30~1000MHz	-50.03	PAS S
Band 7	15MHz	16QAM	20825	1RB#0	Range2:1000~27000M Hz	-32.14	PAS S
Band 7	15MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-50.5	PAS S
Band 7	15MHz	16QAM	21100	1RB#0	Range2:1000~27000M Hz	-31.12	PAS S
Band 7	15MHz	16QAM	21375	1RB#0	Range1:30~1000MHz	-49.44	PAS S
Band 7	15MHz	16QAM	21375	1RB#0	Range2:1000~27000M Hz	-33.03	PAS S
Band 7	20MHz	QPSK	20850	1RB#0	Range1:30~1000MHz	-49.49	PAS S
Band 7	20MHz	QPSK	20850	1RB#0	Range2:1000~27000M Hz	-32.43	PAS S
Band 7	20MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-50.91	PAS S

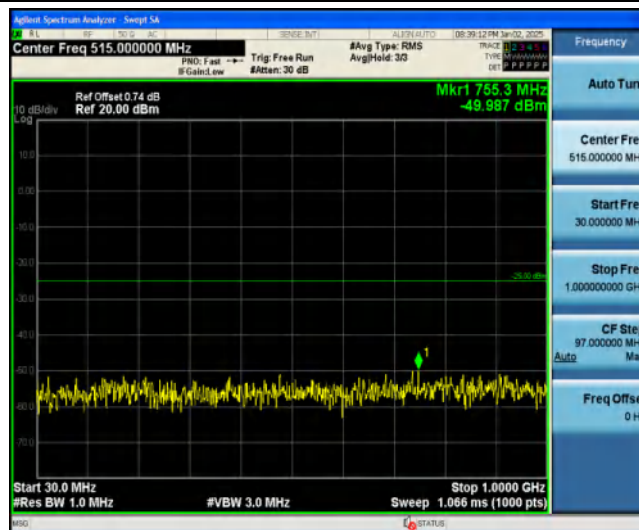
Band 7	20MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-32.31	PASS
Band 7	20MHz	QPSK	21350	1RB#0	Range1:30~1000MHz	-48.27	PASS
Band 7	20MHz	QPSK	21350	1RB#0	Range2:1000~27000MHz	-32.74	PASS
Band 7	20MHz	16QAM	20850	1RB#0	Range1:30~1000MHz	-51.68	PASS
Band 7	20MHz	16QAM	20850	1RB#0	Range2:1000~27000MHz	-33.53	PASS
Band 7	20MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-47.56	PASS
Band 7	20MHz	16QAM	21100	1RB#0	Range2:1000~27000MHz	-31.76	PASS
Band 7	20MHz	16QAM	21350	1RB#0	Range1:30~1000MHz	-46.27	PASS
Band 7	20MHz	16QAM	21350	1RB#0	Range2:1000~27000MHz	-33.07	PASS

Test Graphs





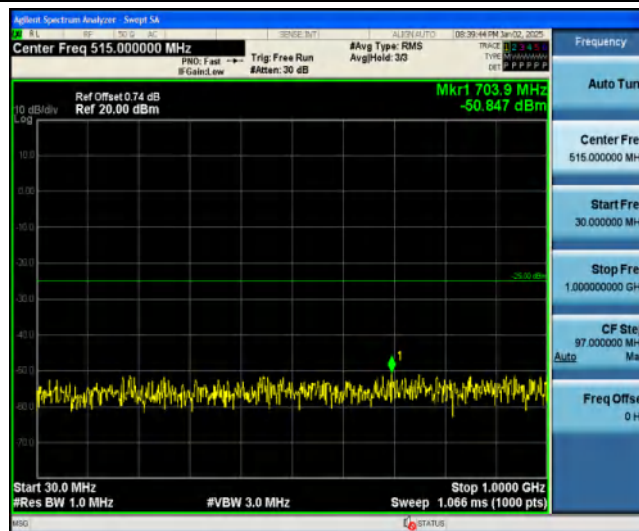
Band7-5MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



Band7-5MHz-QPSK-21100-1RB#0-Range2:1000~27000MHz



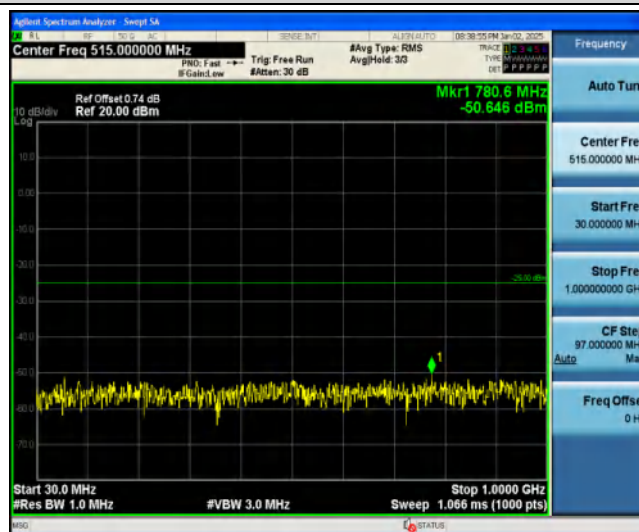
Band7-5MHz-QPSK-21425-1RB#0-Range1:30~1000MHz



Band7-5MHz-QPSK-21425-1RB#0-Range2:1000~27000MHz



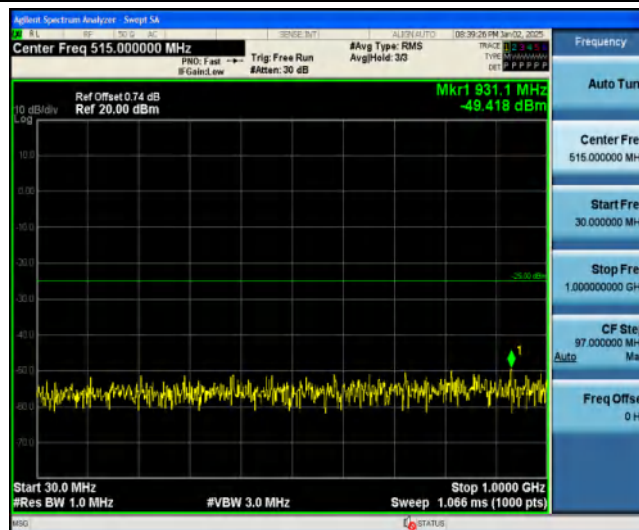
Band7-5MHz-16QAM-20775-1RB#0-Range1:30~1000MHz



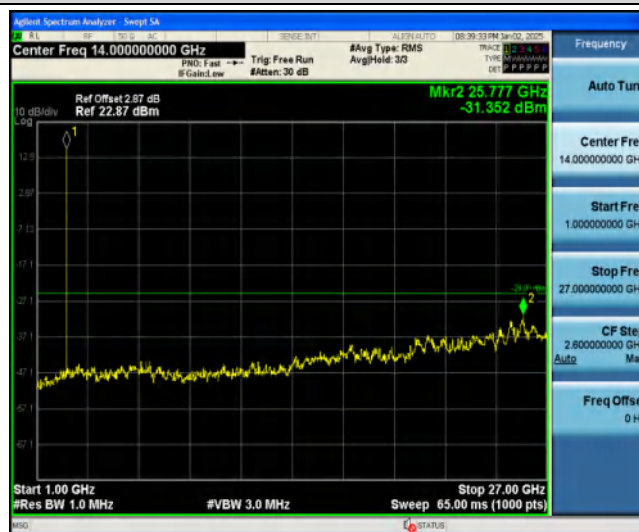
Band7-5MHz-16QAM-20775-1RB#0-Range2:1000~27000MHz



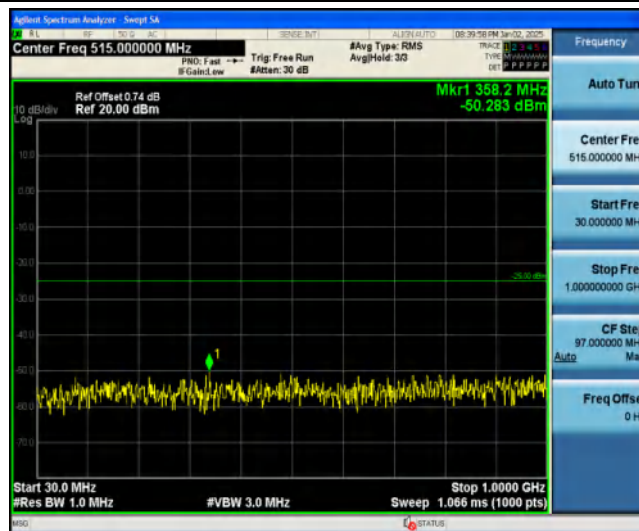
Band7-5MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



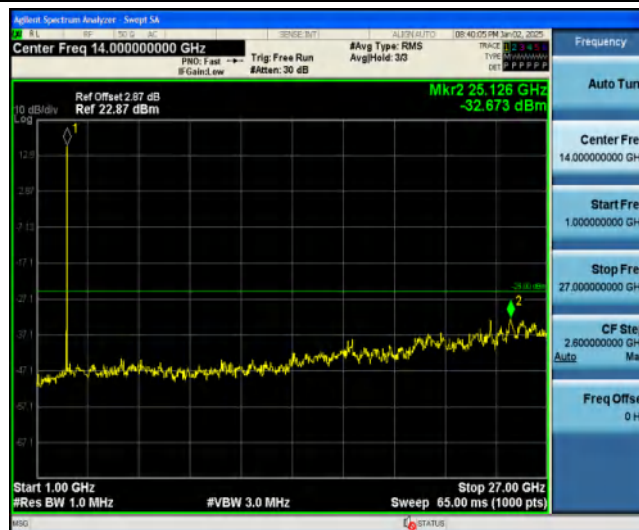
Band7-5MHz-16QAM-21100-1RB#0-Range2:1000~27000MHz



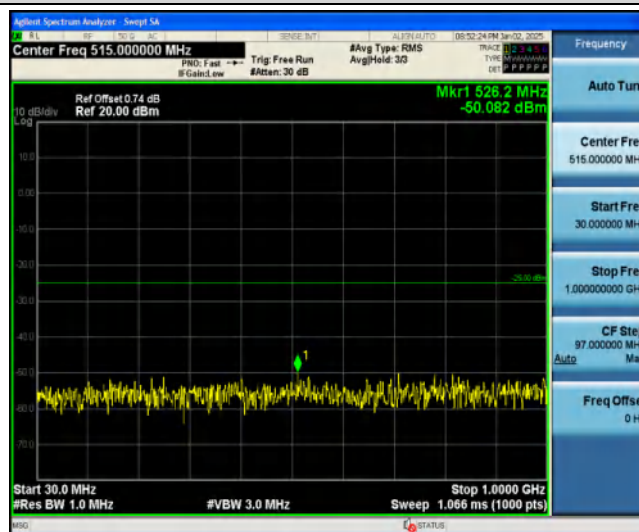
Band7-5MHz-16QAM-21425-1RB#0-Range1:30~1000MHz



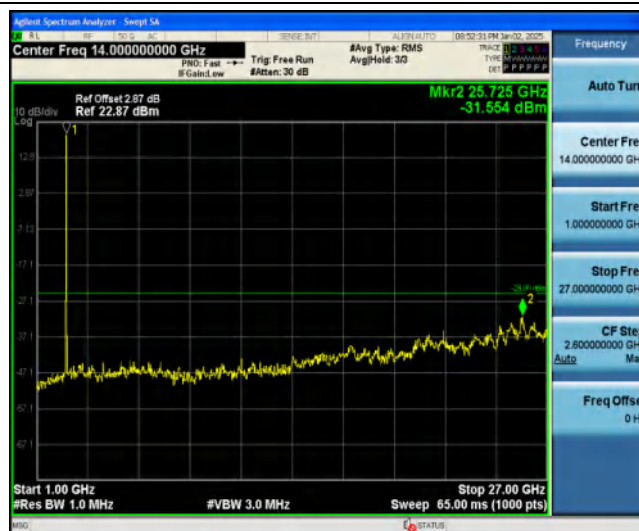
Band7-5MHz-16QAM-21425-1RB#0-Range2:1000~27000MHz



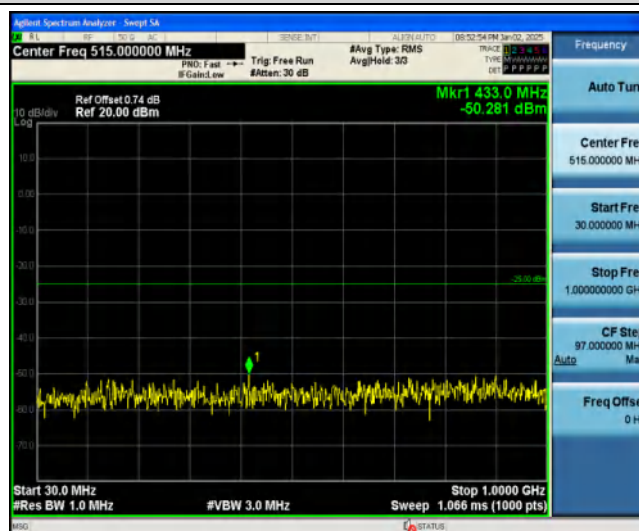
Band7-10MHz-QPSK-20800-1RB#0-Range1:30~1000MHz



Band7-10MHz-QPSK-20800-1RB#0-Range2:1000~27000MHz



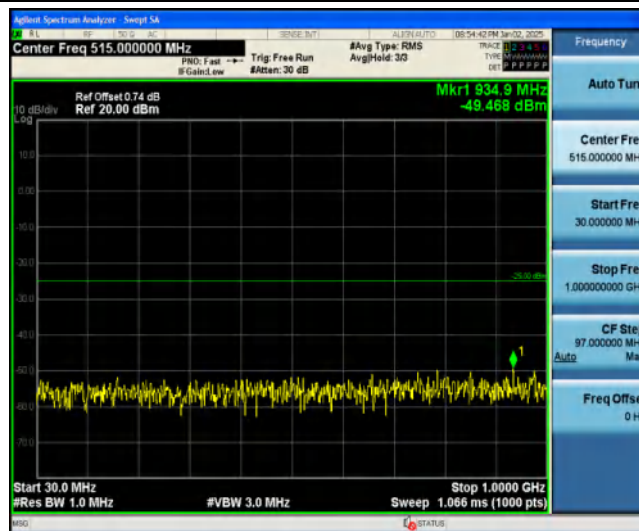
Band7-10MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



Band7-10MHz-QPSK-21100-1RB#0-Range2:1000~27000MHz



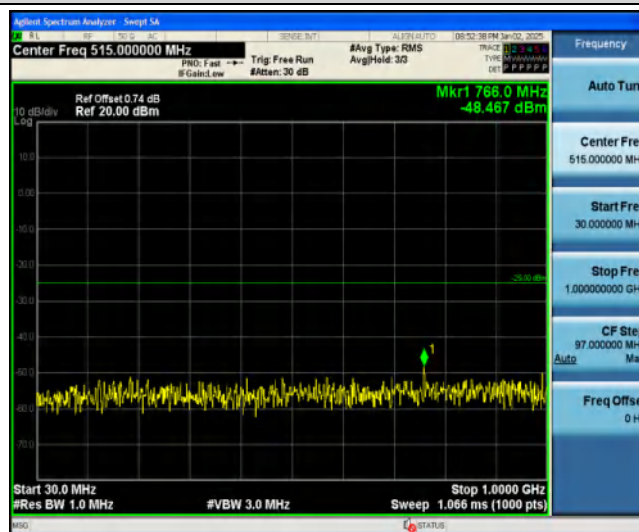
Band7-10MHz-QPSK-21400-1RB#0-Range1:30~1000MHz



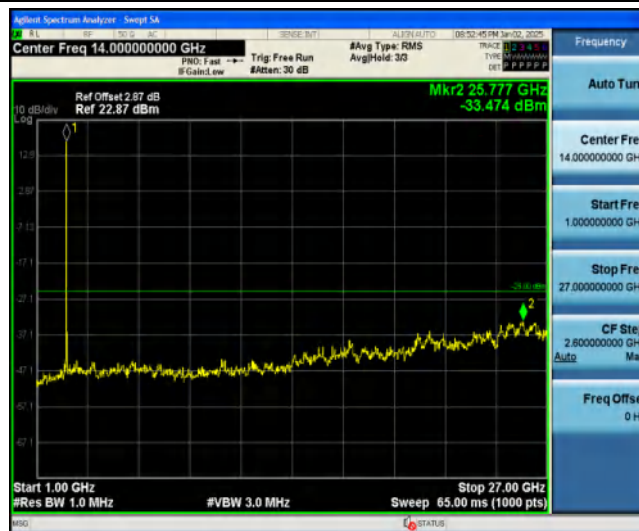
Band7-10MHz-QPSK-21400-1RB#0-Range2:1000~27000MHz



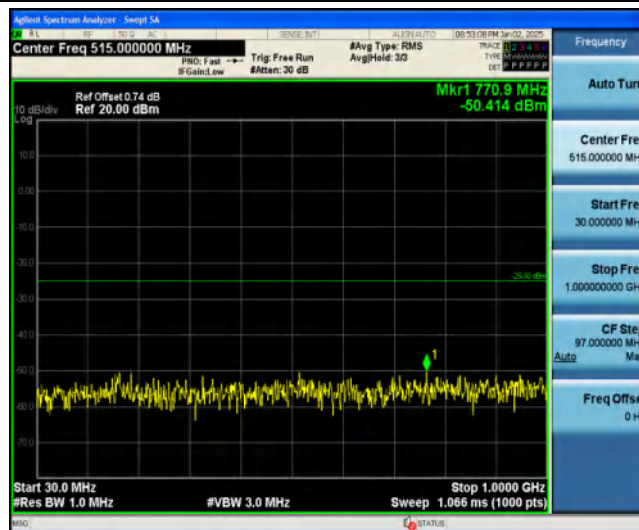
Band7-10MHz-16QAM-20800-1RB#0-Range1:30~1000MHz



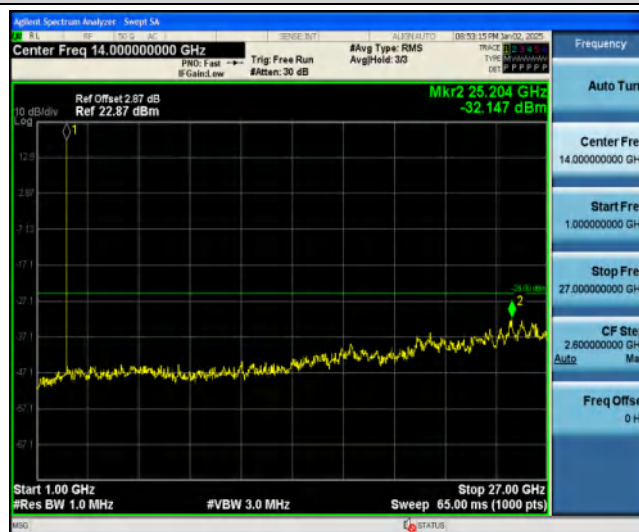
Band7-10MHz-16QAM-20800-1RB#0-Range2:1000~27000MHz



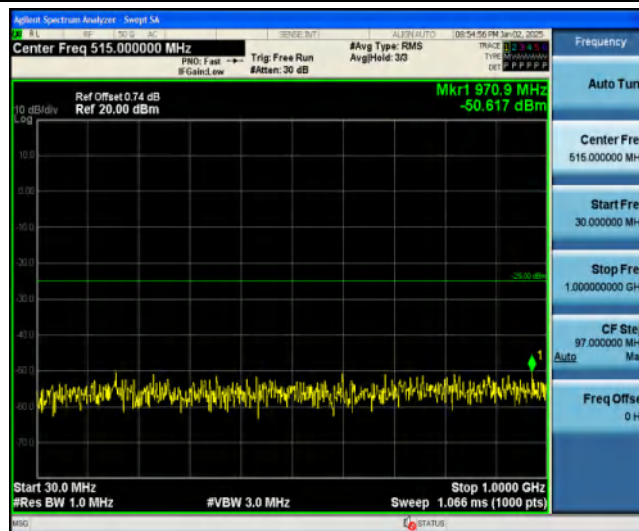
Band7-10MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



Band7-10MHz-16QAM-21100-1RB#0-Range2:1000~27000MHz



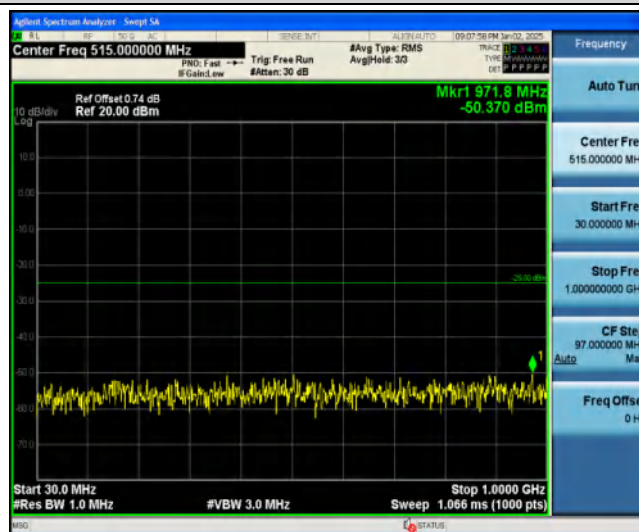
Band7-10MHz-16QAM-21400-1RB#0-Range1:30~1000MHz



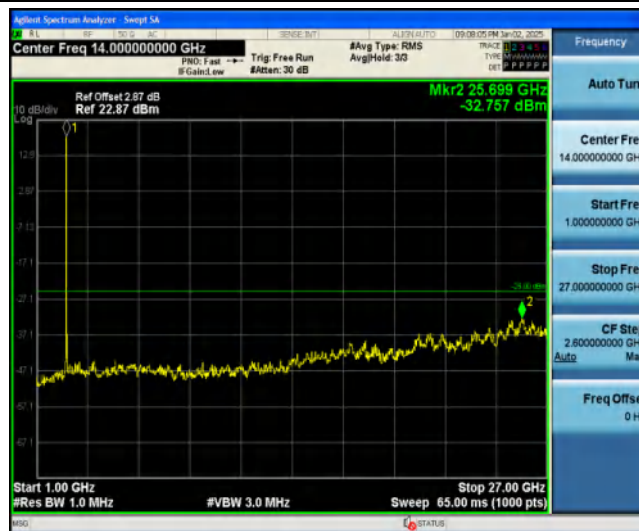
Band7-10MHz-16QAM-21400-1RB#0-Range2:1000~27000MHz



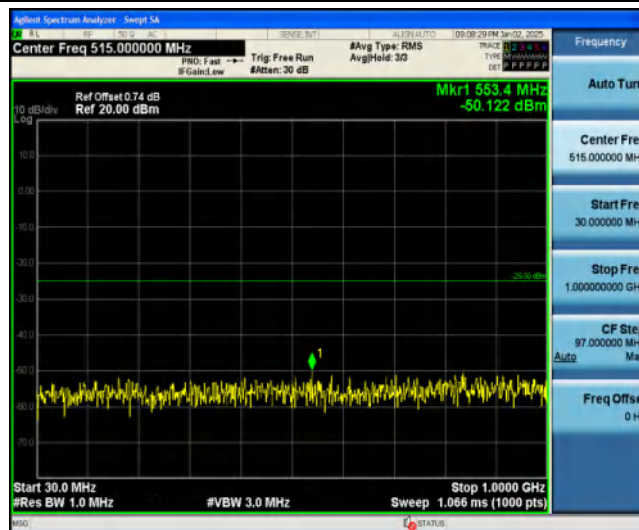
Band7-15MHz-QPSK-20825-1RB#0-Range1:30~1000MHz



Band7-15MHz-QPSK-20825-1RB#0-Range2:1000~27000MHz



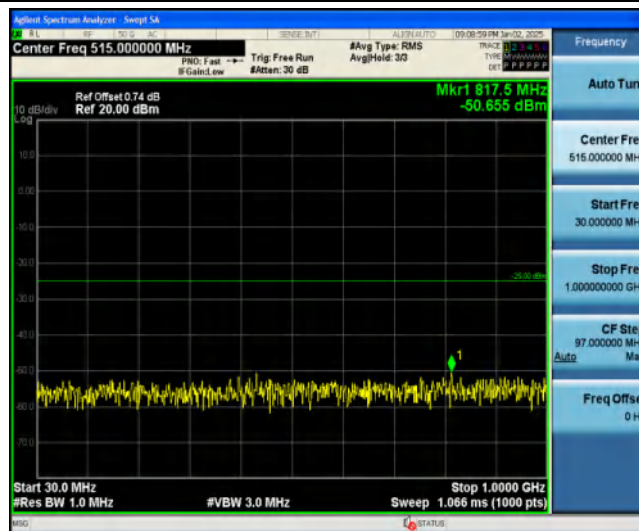
Band7-15MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



Band7-15MHz-QPSK-21100-1RB#0-Range2:1000~27000MHz



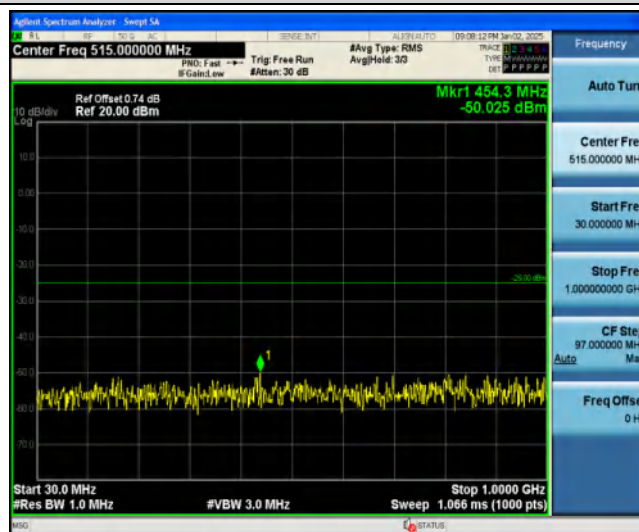
Band7-15MHz-QPSK-21375-1RB#0-Range1:30~1000MHz



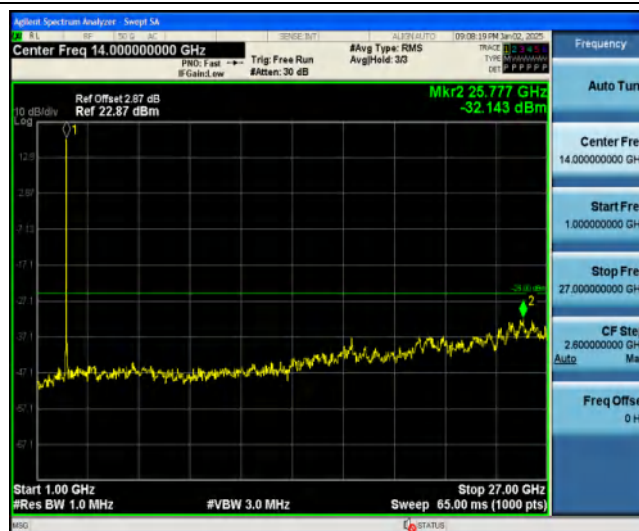
Band7-15MHz-QPSK-21375-1RB#0-Range2:1000~27000MHz



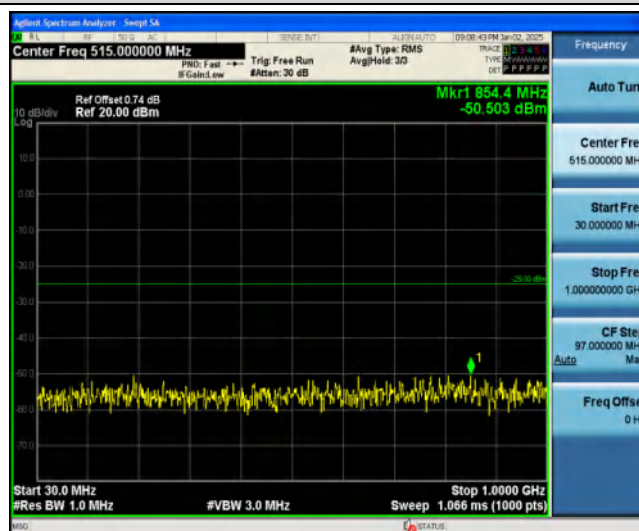
Band7-15MHz-16QAM-20825-1RB#0-Range1:30~1000MHz



Band7-15MHz-16QAM-20825-1RB#0-Range2:1000~27000MHz



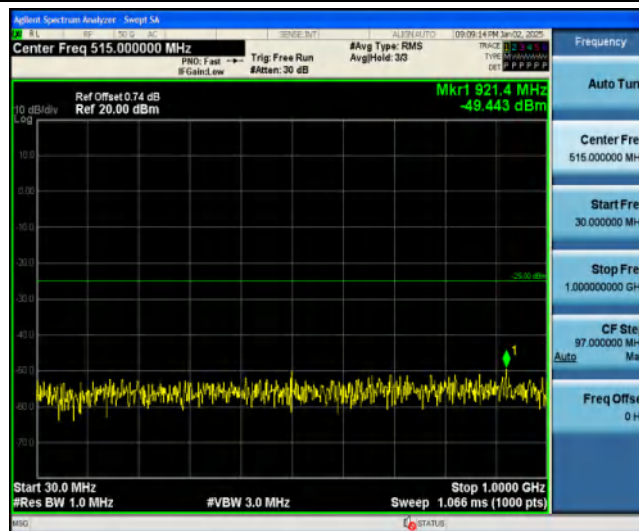
Band7-15MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



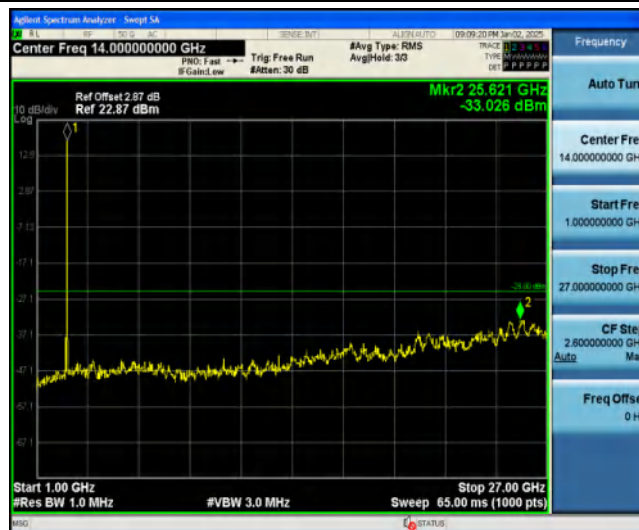
Band7-15MHz-16QAM-21100-1RB#0-Range2:1000~27000MHz



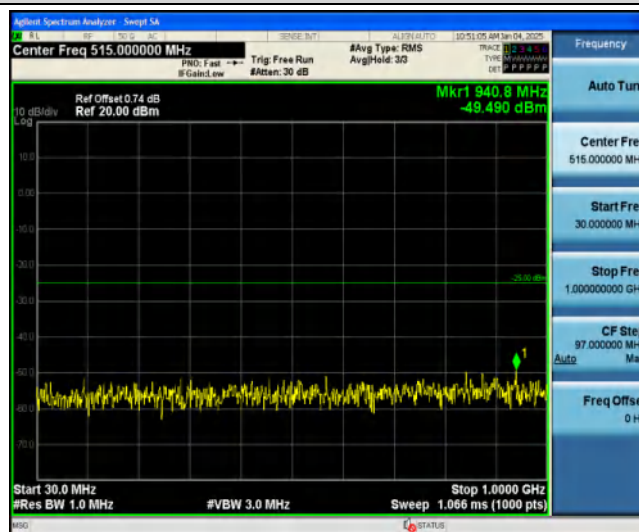
Band7-15MHz-16QAM-21375-1RB#0-Range1:30~1000MHz



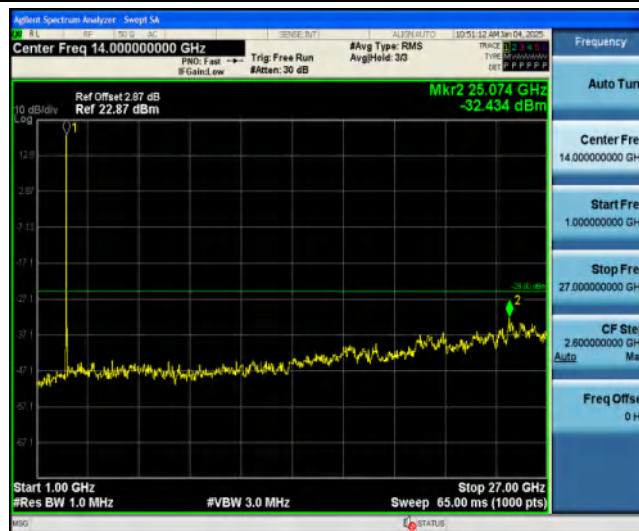
Band7-15MHz-16QAM-21375-1RB#0-Range2:1000~27000MHz



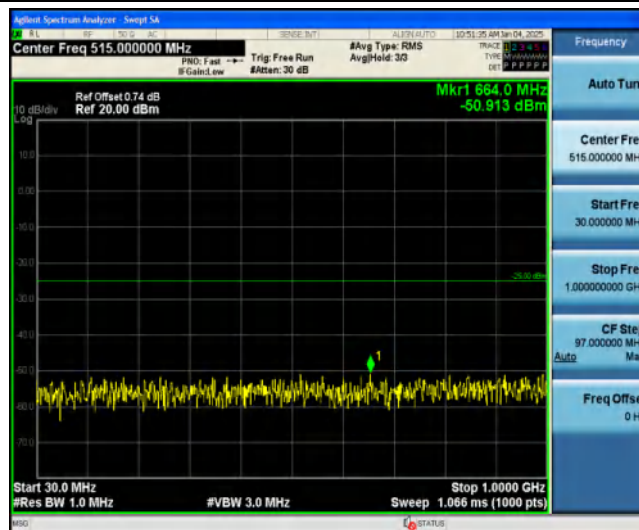
Band7-20MHz-QPSK-20850-1RB#0-Range1:30~1000MHz



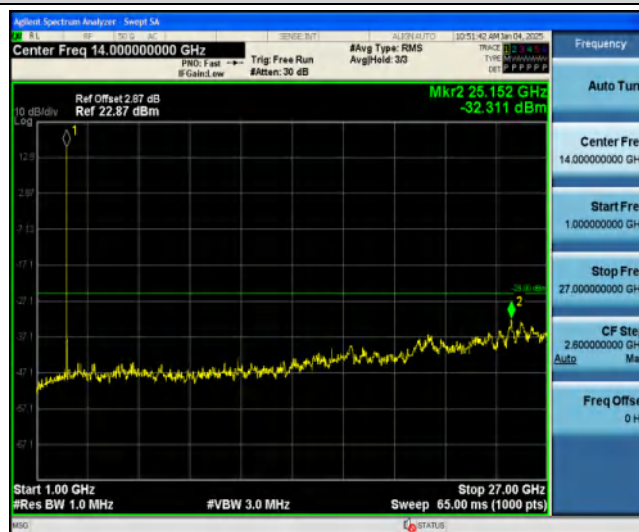
Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~27000MHz



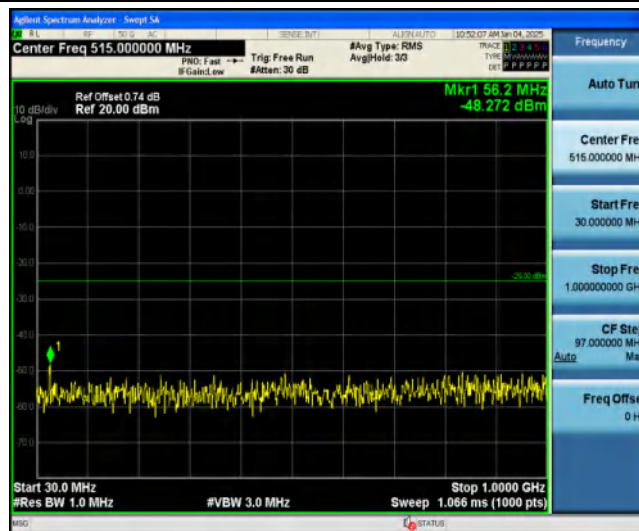
Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~27000MHz



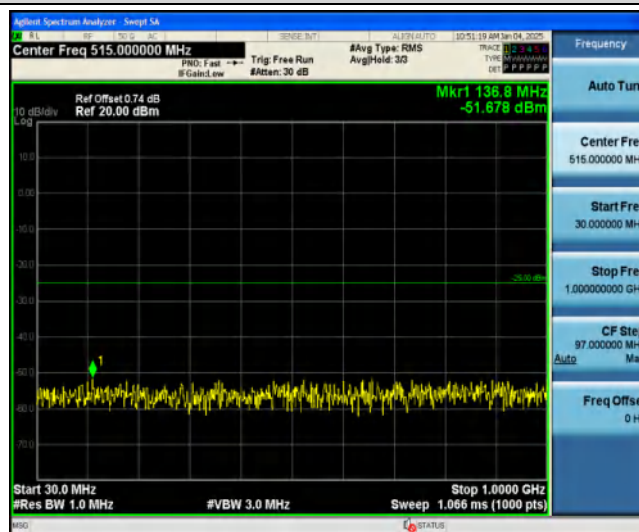
Band7-20MHz-QPSK-21350-1RB#0-Range1:30~1000MHz



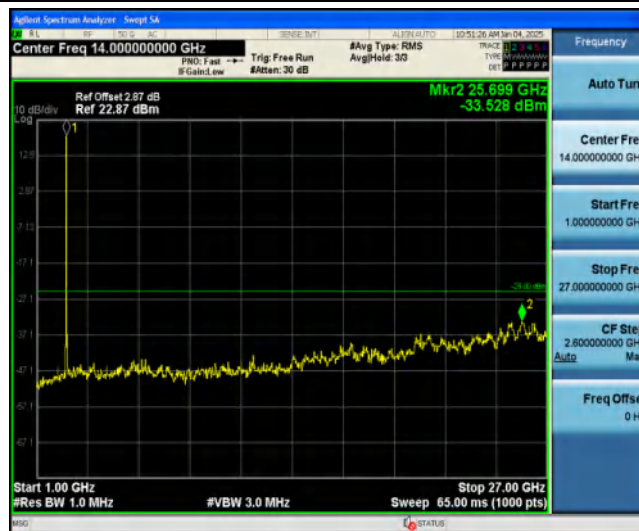
Band7-20MHz-QPSK-21350-1RB#0-Range2:1000~27000MHz



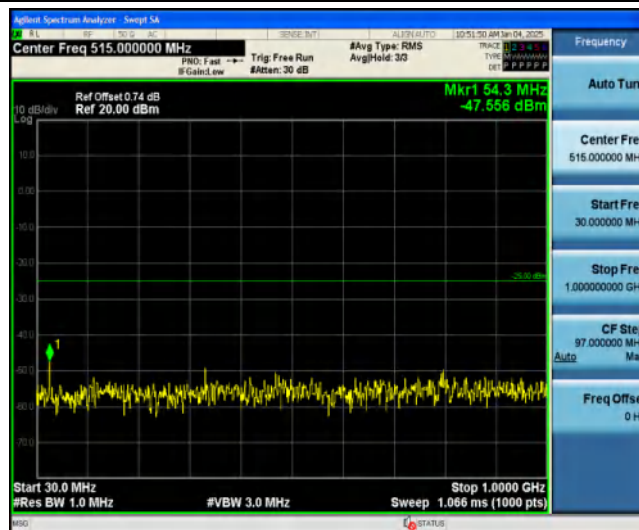
Band7-20MHz-16QAM-20850-1RB#0-Range1:30~1000MHz



Band7-20MHz-16QAM-20850-1RB#0-Range2:1000~27000MHz



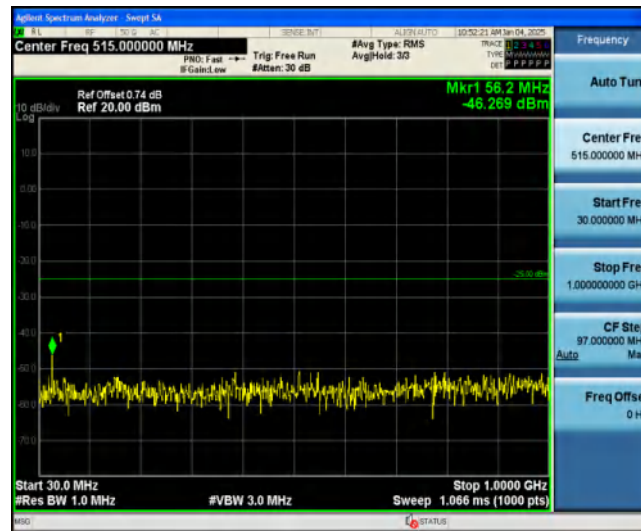
Band7-20MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



Band7-20MHz-16QAM-21100-1RB#0-Range2:1000~27000MHz



Band7-20MHz-16QAM-21350-1RB#0-Range1:30~1000MHz



Band7-20MHz-16QAM-21350-1RB#0-Range2:1000~27000MHz



Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	VL	NT	-54.43	-0.021750	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	VN	NT	-16.65	-0.006653	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	VH	NT	-23.56	-0.009415	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VL	NT	26.19	0.010331	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VN	NT	40.87	0.016122	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VH	NT	14.24	0.005617	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VL	NT	-18.83	-0.007334	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VN	NT	38.37	0.014944	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VH	NT	-41.55	-0.016183	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VL	NT	9.31	0.003720	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VN	NT	-56.40	-0.022537	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VH	NT	4.70	0.001878	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VL	NT	14.32	0.005649	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VN	NT	47.90	0.018895	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VH	NT	29.17	0.011507	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VL	NT	-3.71	-0.001445	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VN	NT	44.23	0.017227	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VH	NT	16.30	0.006349	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VL	NT	45.31	0.018088	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VN	NT	-13.39	-0.005345	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VH	NT	22.19	0.008858	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VL	NT	48.81	0.019254	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VN	NT	41.89	0.016525	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VH	NT	15.57	0.006142	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VL	NT	17.19	0.006702	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VN	NT	54.20	0.021131	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VH	NT	29.73	0.011591	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VL	NT	-11.82	-0.004719	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VN	NT	11.24	0.004487	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VH	NT	34.40	0.013733	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VL	NT	16.44	0.006485	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VN	NT	45.86	0.018091	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VH	NT	44.78	0.017665	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	VL	NT	47.97	0.018702	±2.5	PASS

Band7	10MHz	16QAM	21400	50RB#0	VN	NT	48.37	0.018858	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	VH	NT	13.01	0.005072	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VL	NT	-51.81	-0.020662	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VN	NT	-31.20	-0.012443	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VH	NT	-41.34	-0.016487	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VL	NT	-61.59	-0.024296	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VN	NT	-5.07	-0.002000	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VH	NT	-59.07	-0.023302	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VL	NT	-32.88	-0.012831	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VN	NT	21.03	0.008207	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VH	NT	-50.93	-0.019875	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VL	NT	-51.28	-0.020451	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VN	NT	-52.14	-0.020794	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VH	NT	-44.31	-0.017671	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VL	NT	-40.29	-0.015893	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VN	NT	-11.69	-0.004611	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VH	NT	-8.24	-0.003250	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VL	NT	-50.05	-0.019532	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VN	NT	-23.39	-0.009128	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VH	NT	-17.68	-0.006900	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	46.95	0.018705	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	51.13	0.020371	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	38.54	0.015355	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-8.02	-0.003164	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	40.98	0.016166	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-10.11	-0.003988	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	-4.96	-0.001938	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	37.98	0.014836	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-25.01	-0.009770	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	-24.12	-0.009610	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	-22.66	-0.009028	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	-30.85	-0.012291	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	-44.29	-0.017471	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-40.49	-0.015972	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-43.46	-0.017144	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	8.82	0.003445	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	-48.14	-0.018805	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	-5.95	-0.002324	±2.5	PASS

Temperature

Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	NV	-30	-41.01	-0.016388	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-20	-22.77	-0.009099	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	0	-35.25	-0.014086	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	10	-40.91	-0.016348	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	20	-46.84	-0.018717	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-30	20.61	0.008130	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-20	30.48	0.012024	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	0	54.45	0.021479	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	10	10.13	0.003996	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	20	28.77	0.011349	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-30	-36.37	-0.014166	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-20	-23.13	-0.009009	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	0	-4.90	-0.001908	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	10	27.97	0.010894	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	20	54.09	0.021067	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-30	-14.40	-0.005754	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-20	-26.63	-0.010641	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	0	-39.19	-0.015660	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	10	4.86	0.001942	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	20	-10.08	-0.004028	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-30	34.16	0.013475	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-20	44.92	0.017720	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	0	49.52	0.019535	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	10	56.46	0.022272	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	20	54.95	0.021677	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-30	29.37	0.011439	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-20	36.44	0.014193	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	0	47.41	0.018465	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	10	18.01	0.007015	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	20	27.50	0.010711	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-30	24.27	0.009689	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-20	5.18	0.002068	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	0	34.15	0.013633	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	10	31.04	0.012391	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	20	35.31	0.014096	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-30	38.77	0.015294	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-20	35.84	0.014138	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	0	20.24	0.007984	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	10	6.16	0.002430	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	20	39.87	0.015728	±2.5	PASS

Band7	10MHz	QPSK	21400	50RB#0	NV	-30	-13.22	-0.005154	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-20	28.56	0.011135	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	0	16.61	0.006476	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	10	58.30	0.022729	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	20	-6.86	-0.002674	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	-30	31.82	0.012703	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	-20	15.65	0.006248	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	0	45.19	0.018040	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	10	28.27	0.011285	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	20	50.68	0.020232	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	-30	28.42	0.011211	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	-20	-6.73	-0.002655	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	0	22.70	0.008955	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	10	34.76	0.013712	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	20	54.50	0.021499	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	-30	40.54	0.015805	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	-20	24.35	0.009493	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	0	47.42	0.018487	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	10	-6.54	-0.002550	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	20	21.54	0.008398	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-30	-54.18	-0.021607	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-20	-53.93	-0.021507	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	0	-54.01	-0.021539	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	10	-20.42	-0.008144	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	20	-40.21	-0.016036	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-30	-53.79	-0.021219	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-20	-26.51	-0.010458	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	0	-22.03	-0.008690	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	10	-29.38	-0.011590	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	20	-26.77	-0.010560	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-30	-54.68	-0.021339	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-20	-8.26	-0.003223	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	0	-5.14	-0.002006	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	10	-16.57	-0.006466	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	20	-45.55	-0.017776	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	-30	-24.85	-0.009910	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	-20	9.82	0.003916	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	0	-19.62	-0.007825	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	10	-56.99	-0.022728	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	20	-25.50	-0.010169	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	-30	-19.34	-0.007629	±2.5	PASS

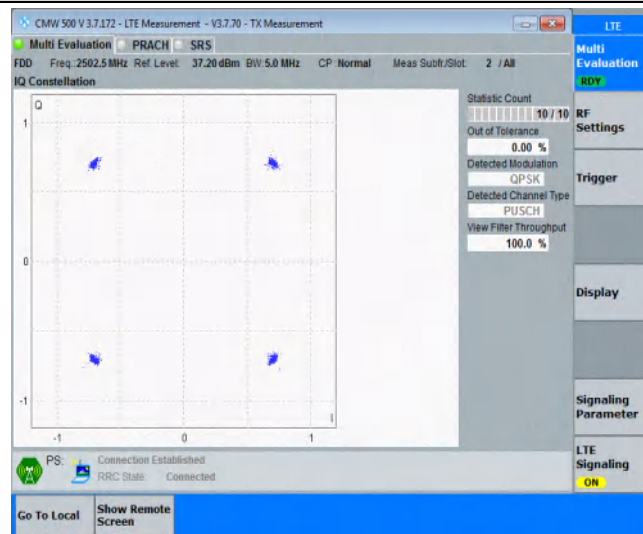
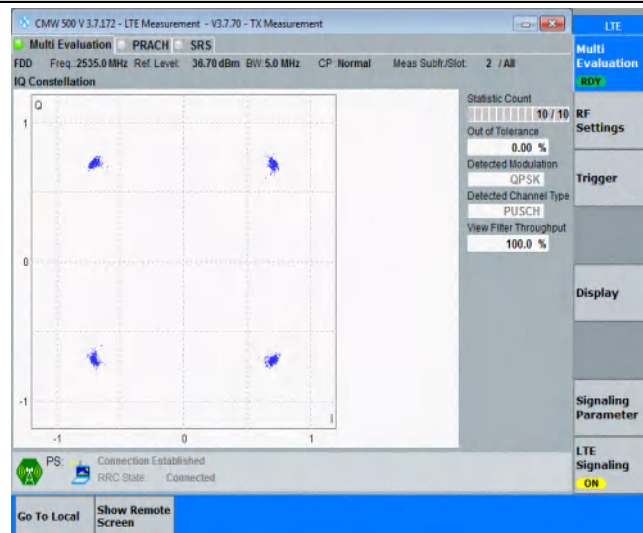
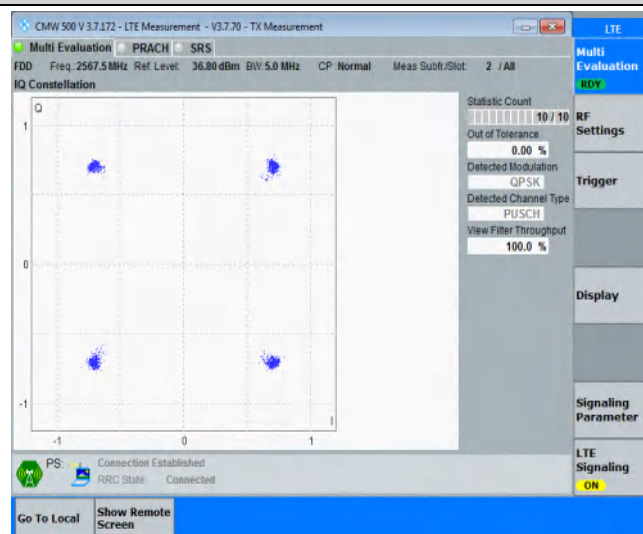
Band7	15MHz	16QAM	21100	75RB#0	NV	-20	-35.34	-0.013941	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	0	-43.96	-0.017341	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	10	-29.21	-0.011523	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	20	-26.67	-0.010521	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	-30	-20.73	-0.008090	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	-20	-21.04	-0.008211	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	0	-26.55	-0.010361	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	10	-21.02	-0.008203	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	20	-44.39	-0.017323	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	30.96	0.012335	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	18.38	0.007323	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	10.19	0.004060	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-5.86	-0.002335	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	-9.99	-0.003980	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-14.86	-0.005862	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-18.61	-0.007341	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-26.79	-0.010568	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-31.26	-0.012331	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-38.01	-0.014994	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-44.26	-0.017289	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	-34.75	-0.013574	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-50.78	-0.019836	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-8.37	-0.003270	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-27.88	-0.010891	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	-30.21	-0.012036	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	-23.88	-0.009514	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	-27.14	-0.010813	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	-24.73	-0.009853	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	-28.58	-0.011386	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	-43.71	-0.017243	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	-41.66	-0.016434	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-41.42	-0.016339	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-41.33	-0.016304	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	-43.15	-0.017022	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	-13.65	-0.005332	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	-19.33	-0.007551	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	-30.59	-0.011949	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	-33.99	-0.013277	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	-41.12	-0.016063	±2.5	PASS

Appendix G: Modulation Characteristics

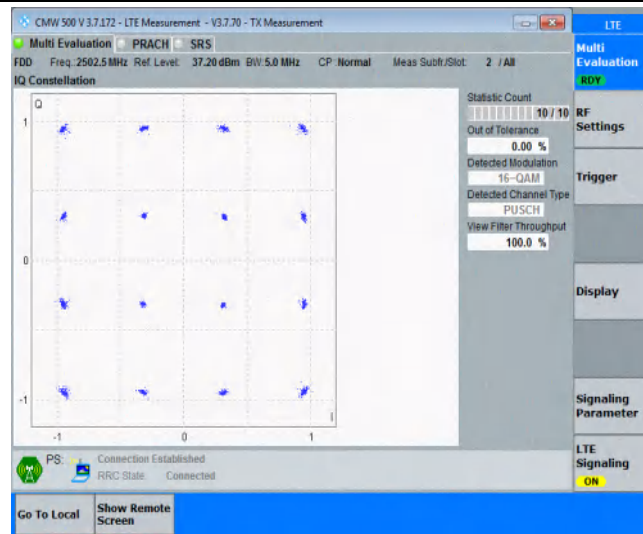
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band7	5MHz	QPSK	20775	25RB#0	PASS	PASS
Band7	5MHz	QPSK	21100	25RB#0	PASS	PASS
Band7	5MHz	QPSK	21425	25RB#0	PASS	PASS
Band7	5MHz	16QAM	20775	25RB#0	PASS	PASS
Band7	5MHz	16QAM	21100	25RB#0	PASS	PASS
Band7	5MHz	16QAM	21425	25RB#0	PASS	PASS
Band7	10MHz	QPSK	20800	50RB#0	PASS	PASS
Band7	10MHz	QPSK	21100	50RB#0	PASS	PASS
Band7	10MHz	QPSK	21400	50RB#0	PASS	PASS
Band7	10MHz	16QAM	20800	50RB#0	PASS	PASS
Band7	10MHz	16QAM	21100	50RB#0	PASS	PASS
Band7	10MHz	16QAM	21400	50RB#0	PASS	PASS
Band7	15MHz	QPSK	20825	75RB#0	PASS	PASS
Band7	15MHz	QPSK	21100	75RB#0	PASS	PASS
Band7	15MHz	QPSK	21375	75RB#0	PASS	PASS
Band7	15MHz	16QAM	20825	75RB#0	PASS	PASS
Band7	15MHz	16QAM	21100	75RB#0	PASS	PASS
Band7	15MHz	16QAM	21375	75RB#0	PASS	PASS
Band7	20MHz	QPSK	20850	100RB#0	PASS	PASS
Band7	20MHz	QPSK	21100	100RB#0	PASS	PASS
Band7	20MHz	QPSK	21350	100RB#0	PASS	PASS
Band7	20MHz	16QAM	20850	100RB#0	PASS	PASS
Band7	20MHz	16QAM	21100	100RB#0	PASS	PASS
Band7	20MHz	16QAM	21350	100RB#0	PASS	PASS

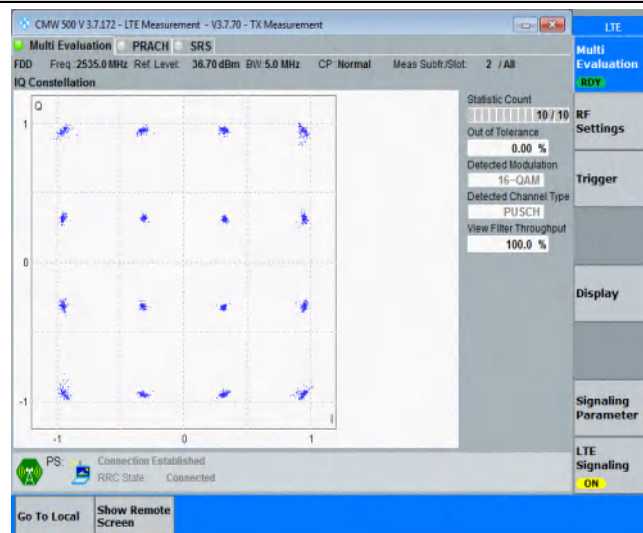
Test Graphs

Band7-5MHz-QPSK-20775-25RB#0**Band7-5MHz-QPSK-21100-25RB#0****Band7-5MHz-QPSK-21425-25RB#0**

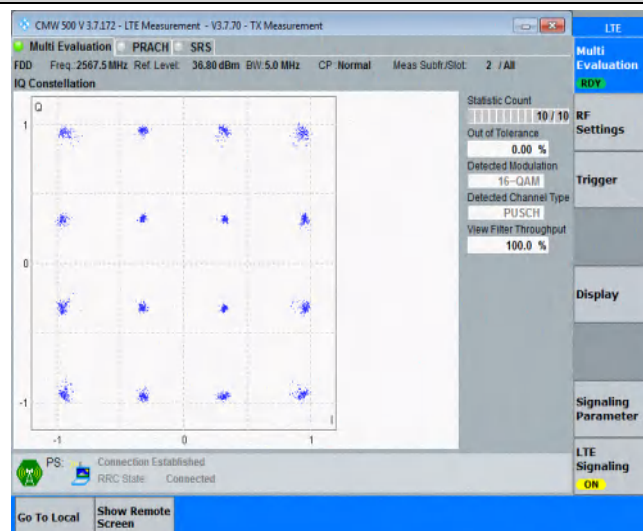
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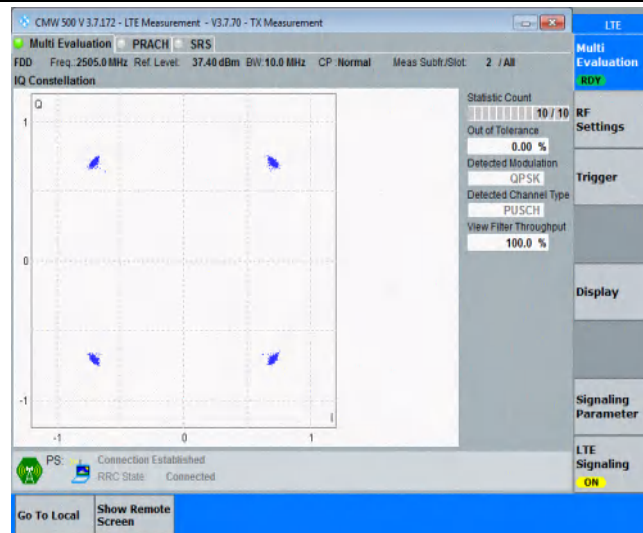
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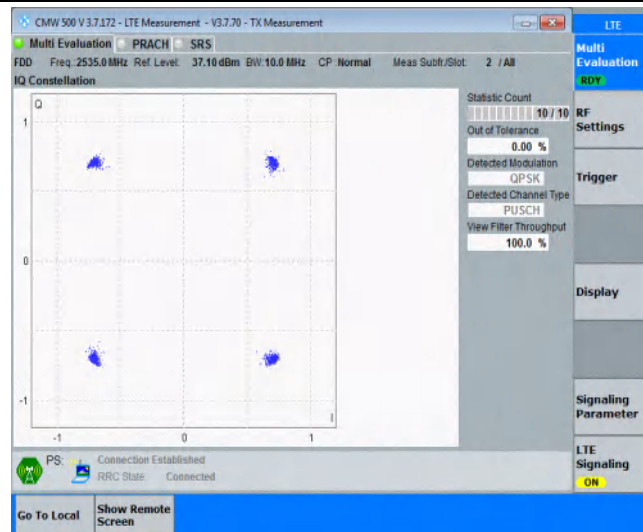
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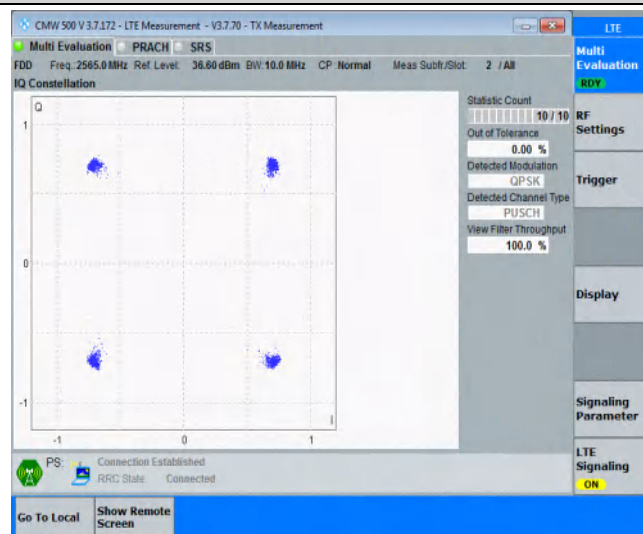
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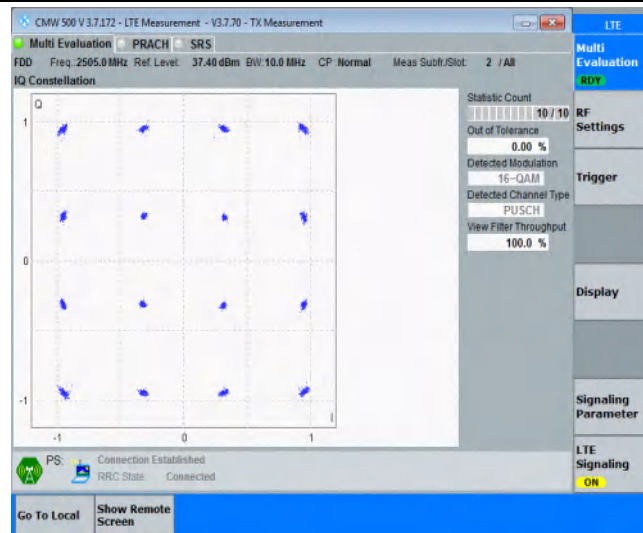
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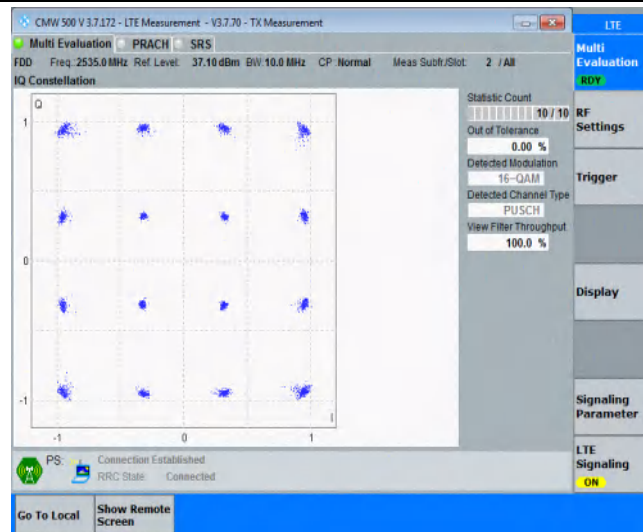
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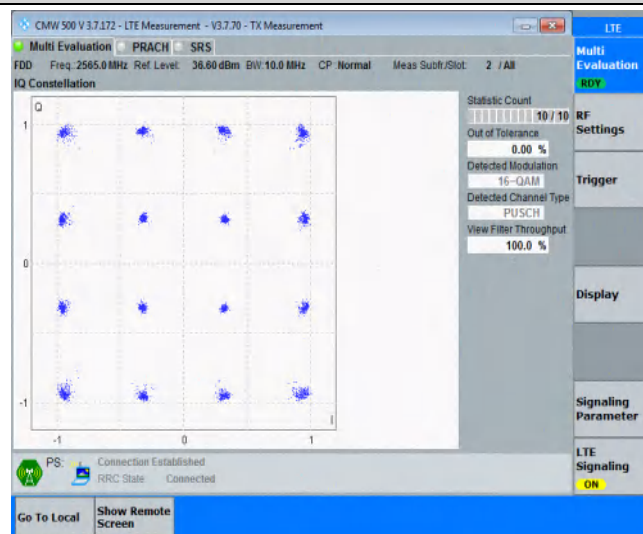
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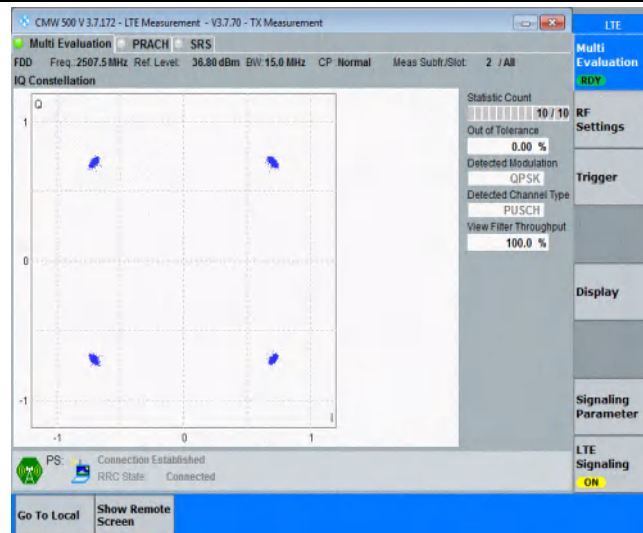
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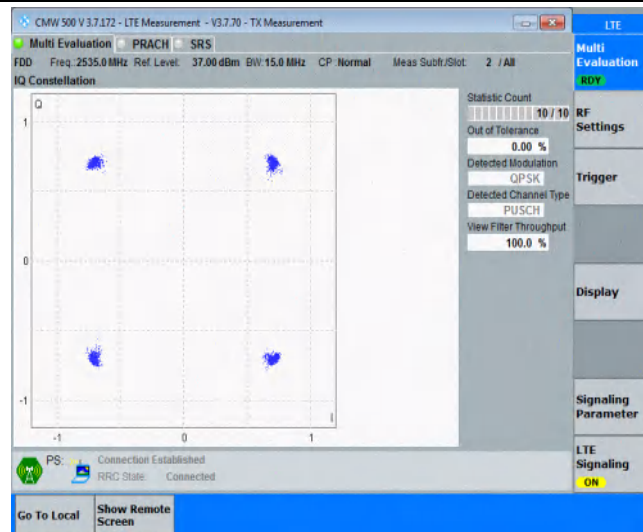
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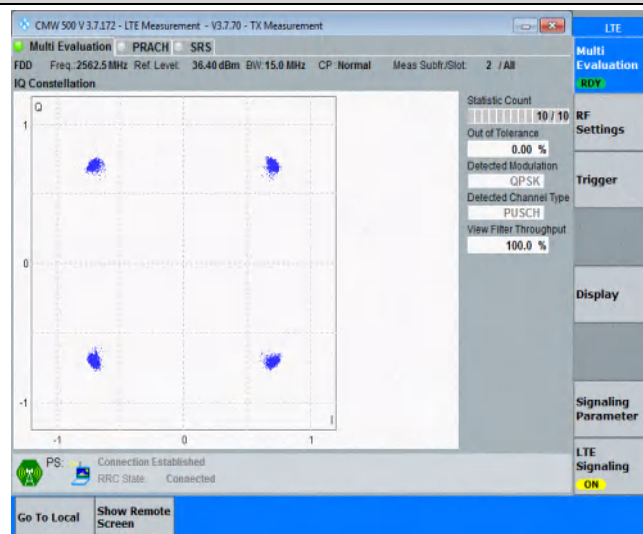
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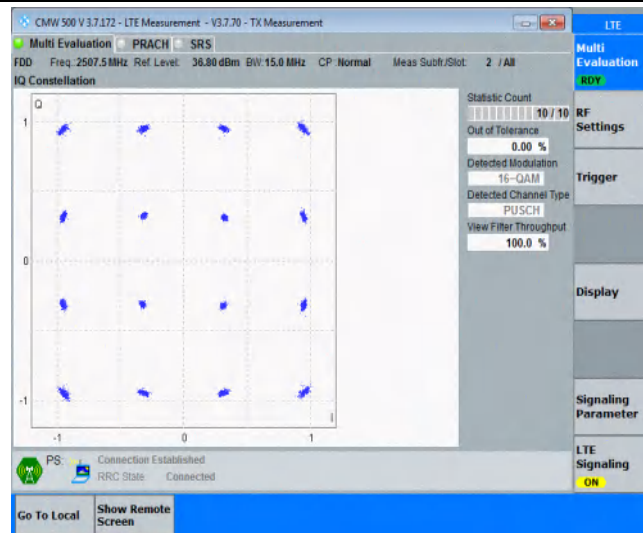
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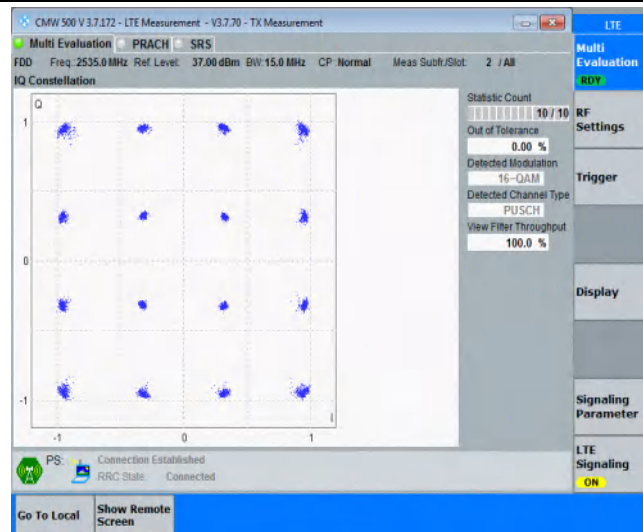
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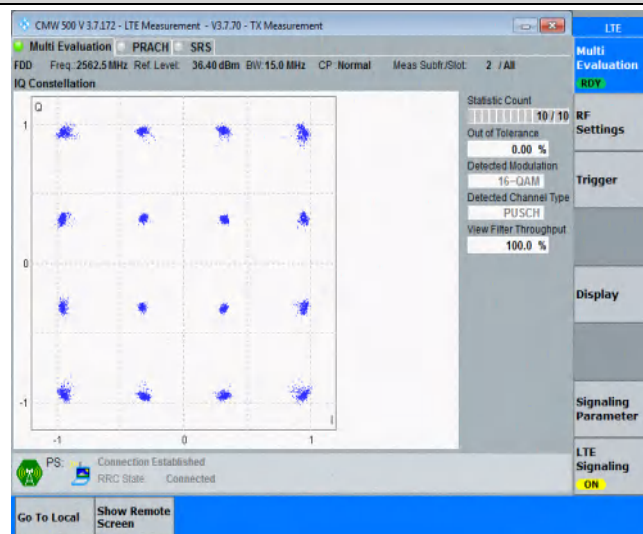
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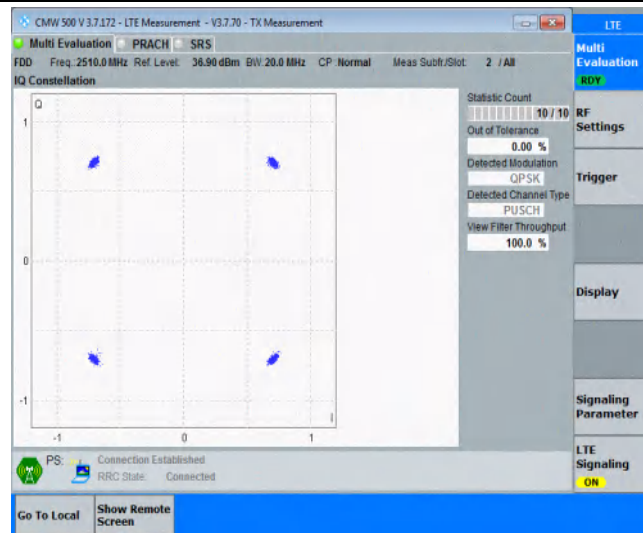
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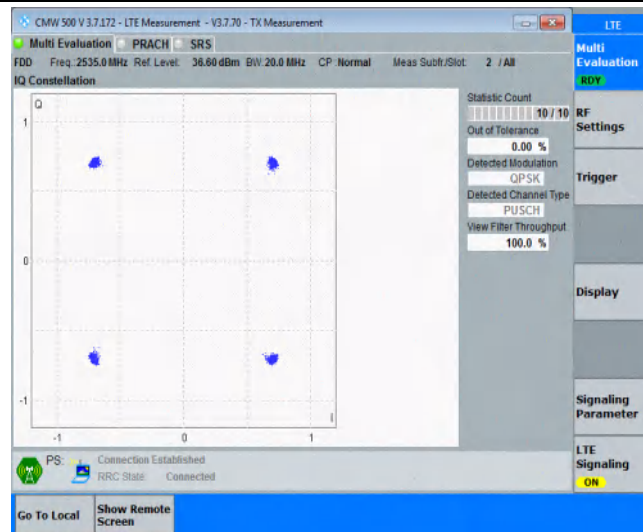
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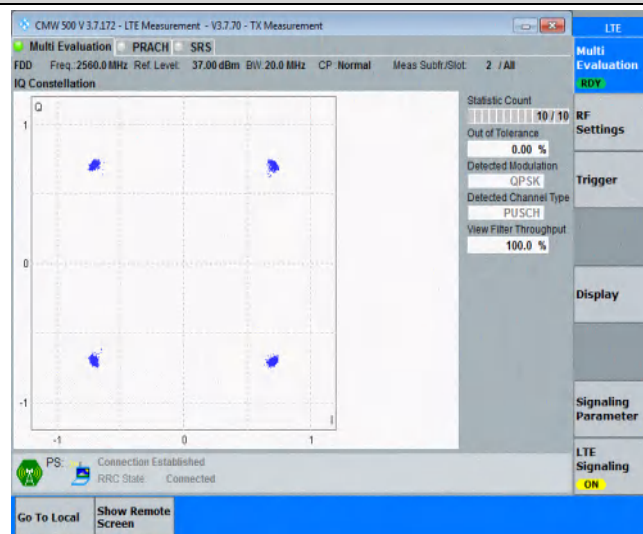
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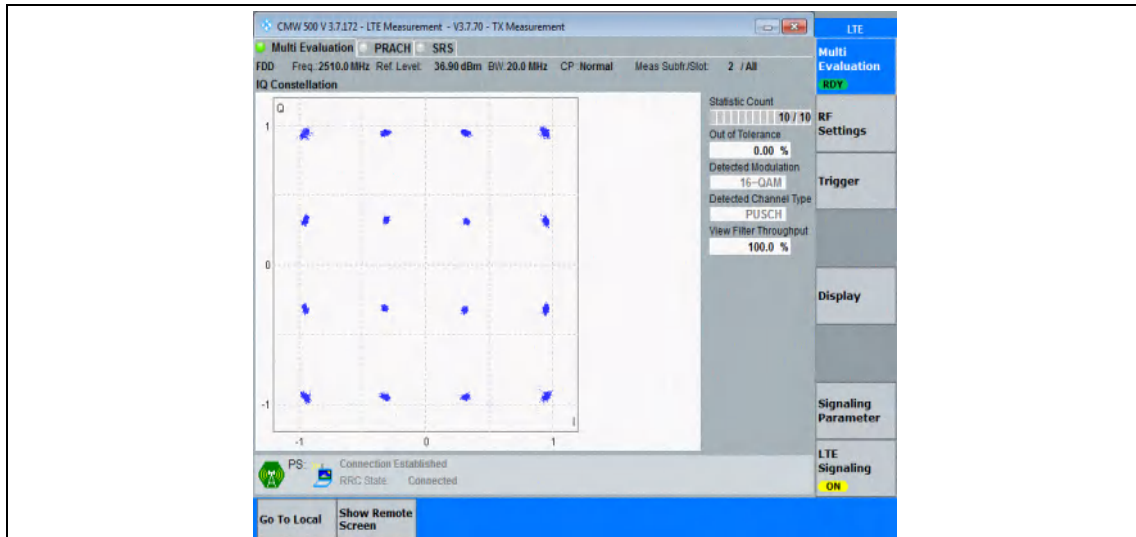
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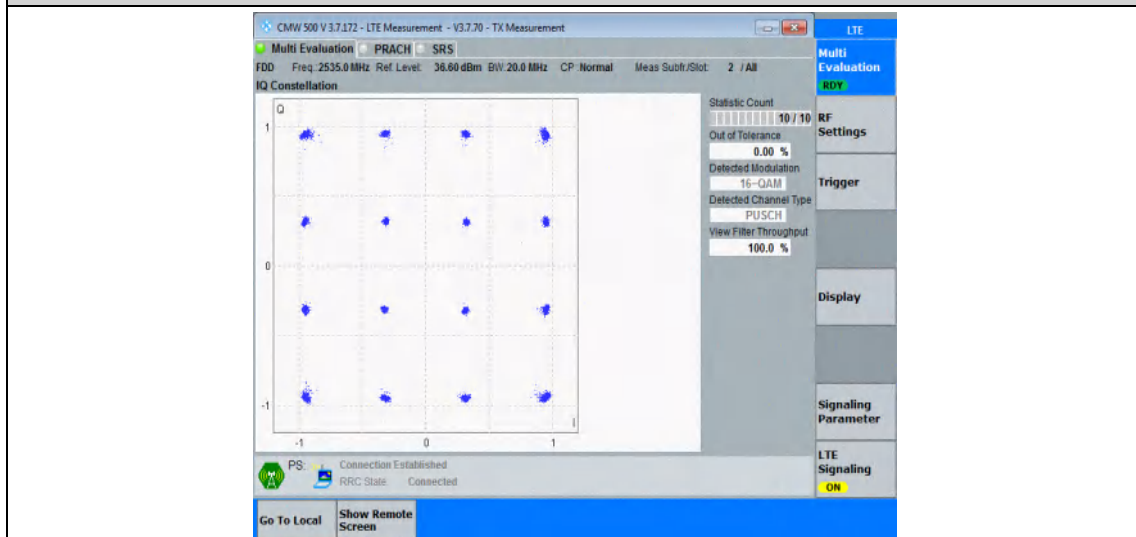
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Band7-20MHz-16QAM-20850-100RB#0



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



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

