



## LTE - Bnad7 RF Test Data

**Product Name:** Cloud Speaker

**Test Model:** CS20-1

### Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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## Appendix A: Conducted Output Power

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Output Power (dBm)	E.I.R.P. (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.93	23.62	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.02	23.71	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.99	23.68	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.95	22.64	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.04	22.73	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.11	22.8	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.10	22.79	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.45	23.14	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.53	23.22	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.54	23.23	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.67	22.36	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.53	22.22	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.69	22.38	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.64	22.33	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.54	23.23	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.56	23.25	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.54	23.23	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.36	22.05	PASS
Band7	5MHz	QPSK	21425	12RB#6	21.39	22.08	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.36	22.05	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.39	22.08	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.45	22.14	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.43	22.12	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.48	22.17	PASS
Band7	5MHz	16QAM	20775	12RB#0	21.15	21.84	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.18	21.87	PASS
Band7	5MHz	16QAM	20775	12RB#13	21.18	21.87	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.29	21.98	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.98	22.67	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.97	22.66	PASS



Band7	5MHz	16QAM	21100	1RB#24	21.90	22.59	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.93	21.62	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.88	21.57	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.92	21.61	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.82	21.51	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.01	21.7	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.14	21.83	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.06	21.75	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.34	21.03	PASS
Band7	5MHz	16QAM	21425	12RB#6	20.35	21.04	PASS
Band7	5MHz	16QAM	21425	12RB#13	20.37	21.06	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.53	21.22	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.94	23.63	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.97	23.66	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.92	23.61	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.97	22.66	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.02	22.71	PASS
Band7	10MHz	QPSK	20800	25RB#25	21.89	22.58	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.01	22.7	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.64	23.33	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.57	23.26	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.51	23.2	PASS
Band7	10MHz	QPSK	21100	25RB#0	21.70	22.39	PASS
Band7	10MHz	QPSK	21100	25RB#12	21.69	22.38	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.71	22.4	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.74	22.43	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.41	23.1	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.32	23.01	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.32	23.01	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.33	22.02	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.39	22.08	PASS
Band7	10MHz	QPSK	21400	25RB#25	21.42	22.11	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.41	22.1	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.03	22.72	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.08	22.77	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.98	22.67	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.07	21.76	PASS



Band7	10MHz	16QAM	20800	25RB#12	21.08	21.77	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.16	21.85	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.10	21.79	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.66	22.35	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.59	22.28	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.51	22.2	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.95	21.64	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.96	21.65	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.02	21.71	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.93	21.62	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.05	22.74	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.99	22.68	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.84	22.53	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.65	21.34	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.52	21.21	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.54	21.23	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.49	21.18	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.97	23.66	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.92	23.61	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.88	23.57	PASS
Band7	15MHz	QPSK	20825	38RB#0	22.00	22.69	PASS
Band7	15MHz	QPSK	20825	38RB#18	21.99	22.68	PASS
Band7	15MHz	QPSK	20825	38RB#37	22.00	22.69	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.00	22.69	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.57	23.26	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.52	23.21	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.42	23.11	PASS
Band7	15MHz	QPSK	21100	38RB#0	21.73	22.42	PASS
Band7	15MHz	QPSK	21100	38RB#18	21.70	22.39	PASS
Band7	15MHz	QPSK	21100	38RB#37	21.70	22.39	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.69	22.38	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.54	23.23	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.38	23.07	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.35	23.04	PASS
Band7	15MHz	QPSK	21375	38RB#0	21.52	22.21	PASS
Band7	15MHz	QPSK	21375	38RB#18	21.41	22.1	PASS
Band7	15MHz	QPSK	21375	38RB#37	21.42	22.11	PASS



Band7	15MHz	QPSK	21375	75RB#0	21.43	22.12	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.11	22.8	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.04	22.73	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.13	22.82	PASS
Band7	15MHz	16QAM	20825	38RB#0	22.00	22.69	PASS
Band7	15MHz	16QAM	20825	38RB#18	22.00	22.69	PASS
Band7	15MHz	16QAM	20825	38RB#37	22.00	22.69	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.07	21.76	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.95	22.64	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.87	22.56	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.88	22.57	PASS
Band7	15MHz	16QAM	21100	38RB#0	21.70	22.39	PASS
Band7	15MHz	16QAM	21100	38RB#18	21.70	22.39	PASS
Band7	15MHz	16QAM	21100	38RB#37	21.69	22.38	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.89	21.58	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.22	22.91	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.06	22.75	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.01	22.7	PASS
Band7	15MHz	16QAM	21375	38RB#0	21.41	22.1	PASS
Band7	15MHz	16QAM	21375	38RB#18	21.42	22.11	PASS
Band7	15MHz	16QAM	21375	38RB#37	21.42	22.11	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.58	21.27	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.09	23.78	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.09	23.78	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.97	23.66	PASS
Band7	20MHz	QPSK	20850	50RB#0	22.04	22.73	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.94	22.63	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.07	22.76	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.90	22.59	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.86	23.55	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.82	23.51	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.66	23.35	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.66	22.35	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.73	22.42	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.56	22.25	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.85	22.54	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.58	23.27	PASS



Band7	20MHz	QPSK	21350	1RB#49	22.55	23.24	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.44	23.13	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.46	22.15	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.65	22.34	PASS
Band7	20MHz	QPSK	21350	50RB#50	21.48	22.17	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.53	22.22	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.93	22.62	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.94	22.63	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.83	22.52	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.19	21.88	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.21	21.9	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.29	21.98	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.19	21.88	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.32	23.01	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.27	22.96	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.20	22.89	PASS
Band7	20MHz	16QAM	21100	50RB#0	20.90	21.59	PASS
Band7	20MHz	16QAM	21100	50RB#25	20.85	21.54	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.78	21.47	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.02	21.71	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.69	22.38	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.54	22.23	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.46	22.15	PASS
Band7	20MHz	16QAM	21350	50RB#0	20.71	21.4	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.74	21.43	PASS
Band7	20MHz	16QAM	21350	50RB#50	20.68	21.37	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.55	21.24	PASS

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

### Test Result

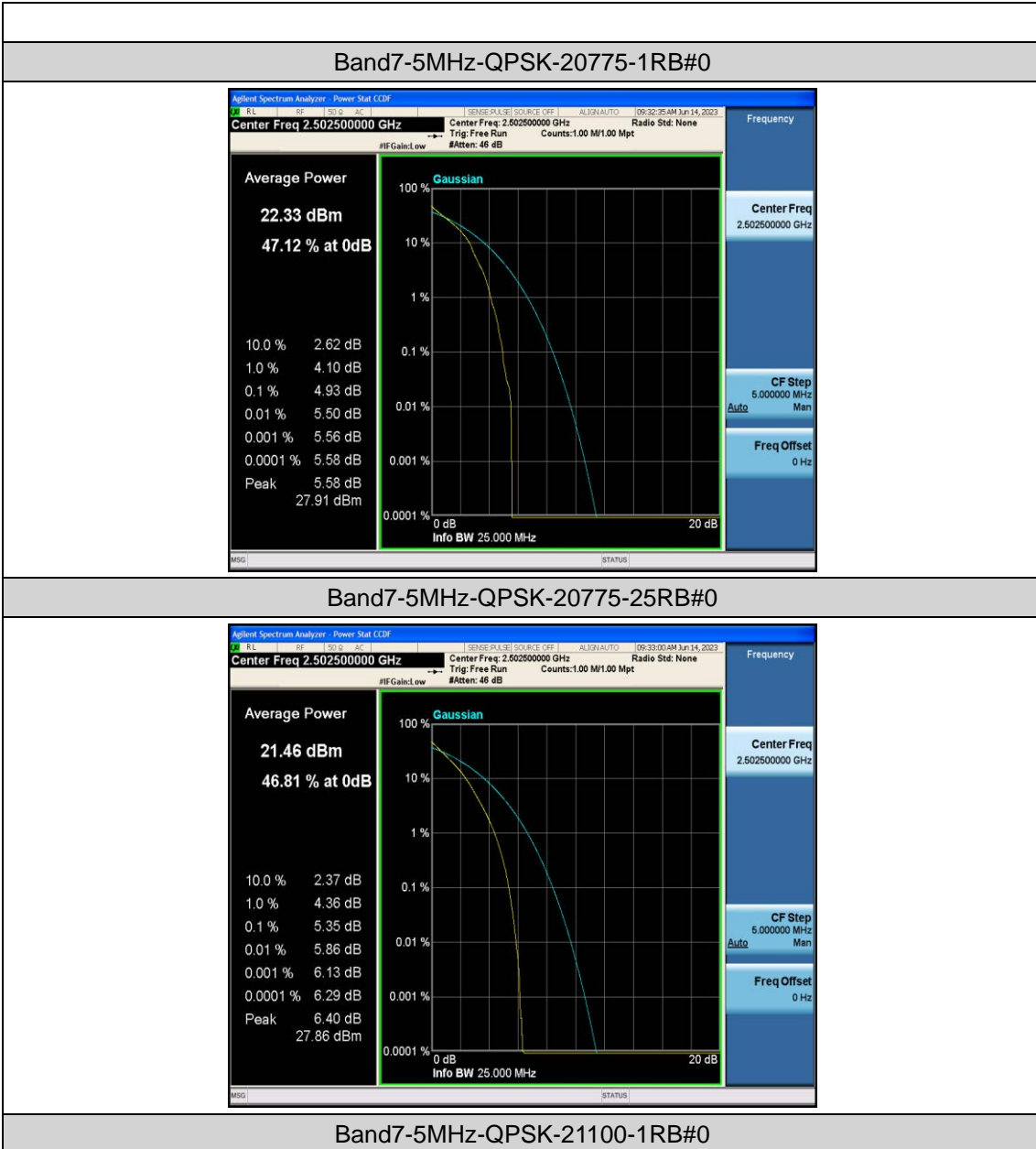
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	4.93	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.35	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	5.04	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.27	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	4.79	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.16	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.63	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.05	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.70	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.99	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	6.04	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.90	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	4.61	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.41	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	4.75	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.34	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	4.80	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.29	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	5.54	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	6.13	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	5.66	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.09	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	5.96	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.07	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	4.64	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.74	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	4.86	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.66	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	5.04	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.73	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.48	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.30	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.83	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.20	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	6.12	13	PASS





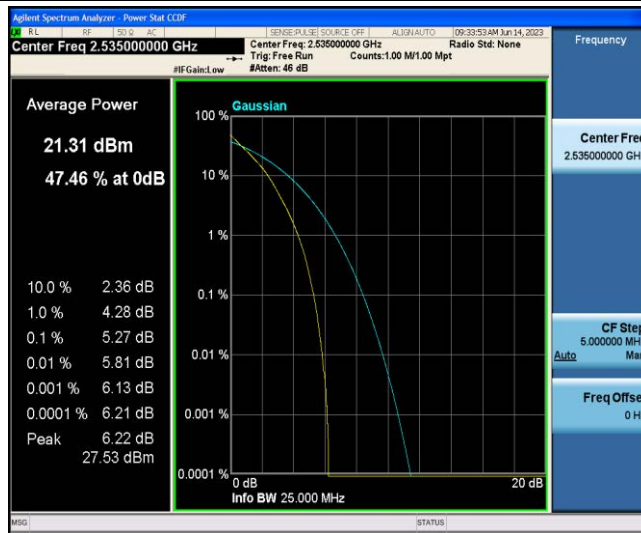
Band7	15MHz	16QAM	21375	75RB#0	6.29	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	4.49	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.55	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.63	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.50	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.82	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.55	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	5.42	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.26	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.53	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.23	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.47	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.31	13	PASS

### Test Graphs

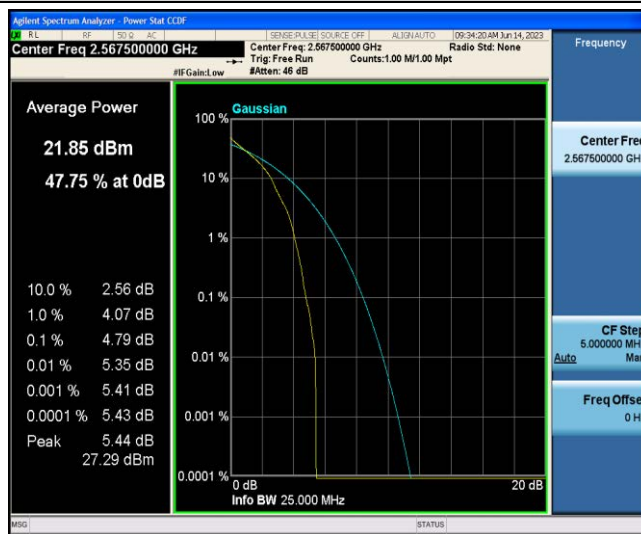




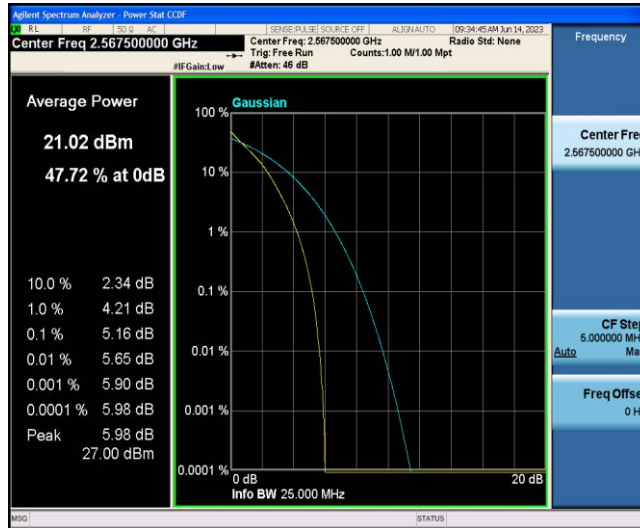
Band7-5MHz-QPSK-21100-25RB#0



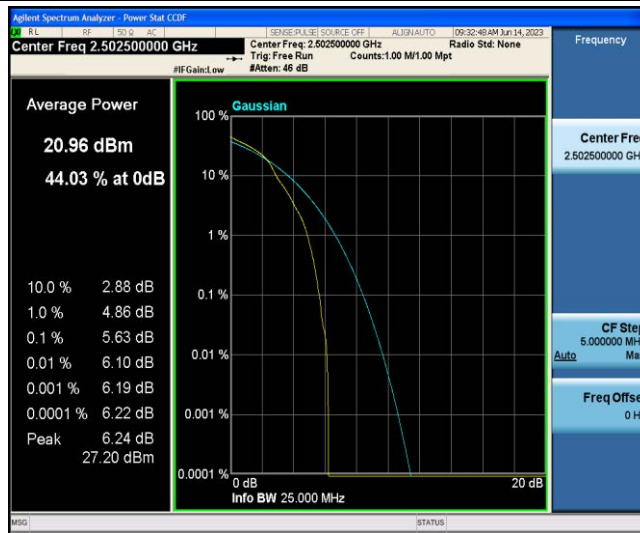
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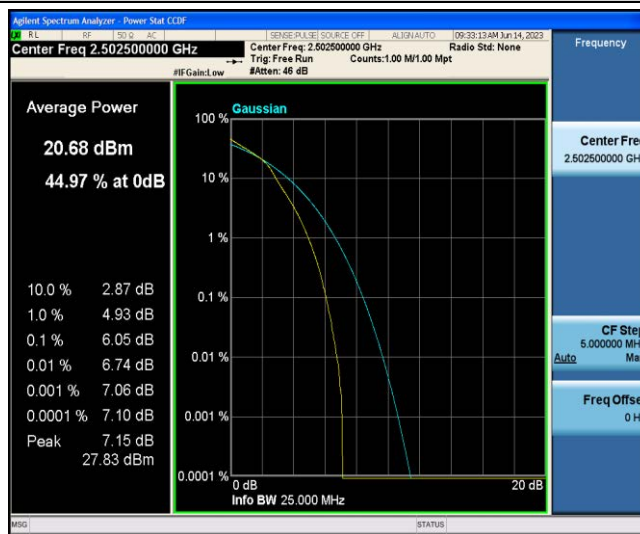
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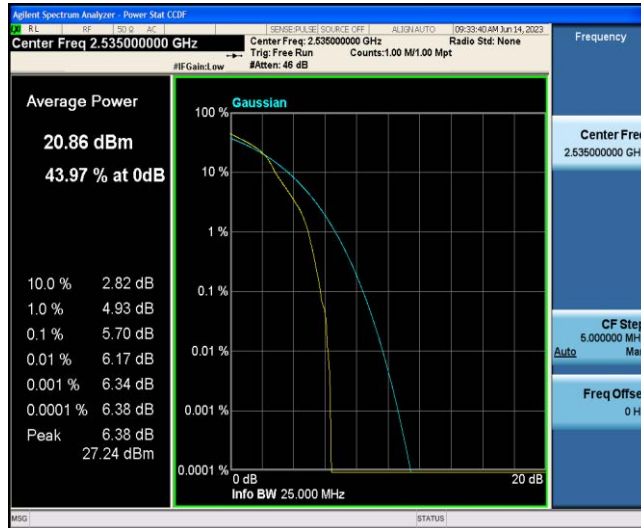
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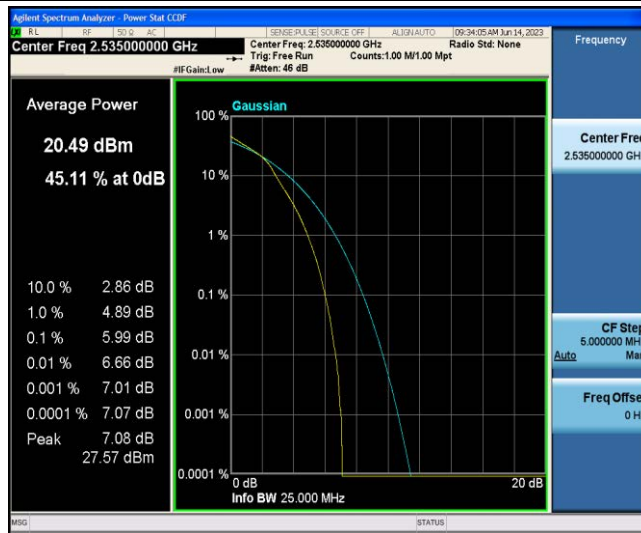
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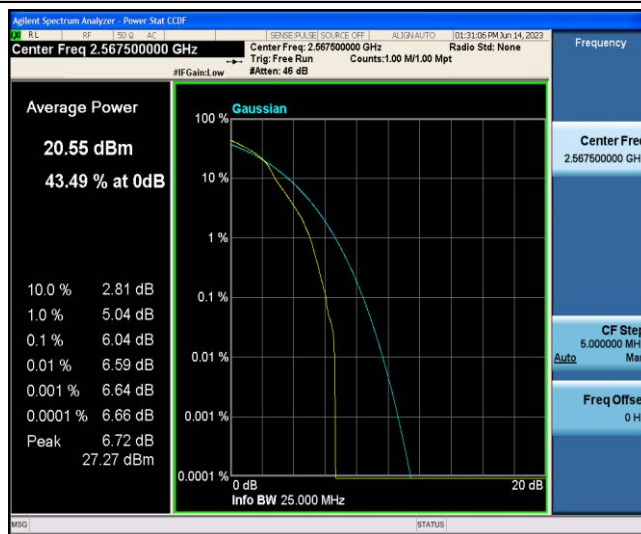
Band7-5MHz-16QAM-21100-1RB#0



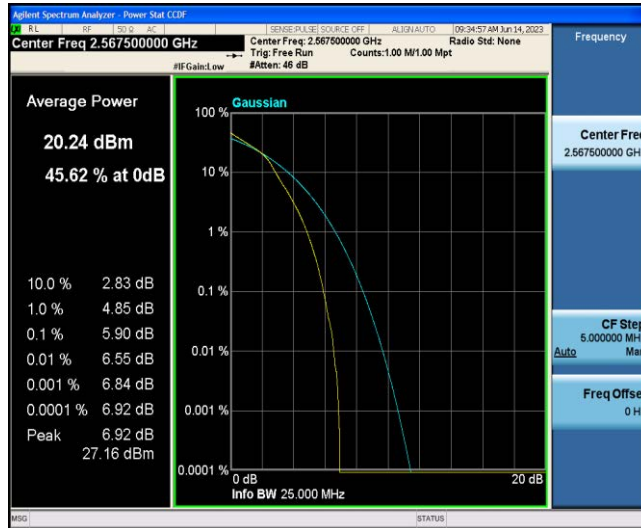
Band7-5MHz-16QAM-21100-25RB#0



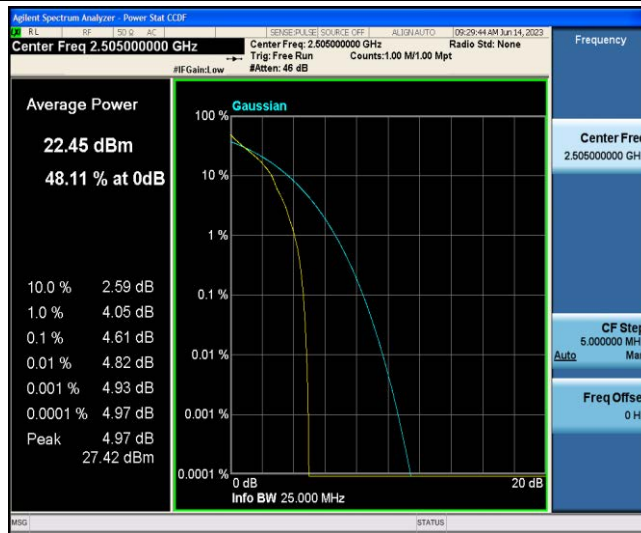
Band7-5MHz-16QAM-21425-1RB#0



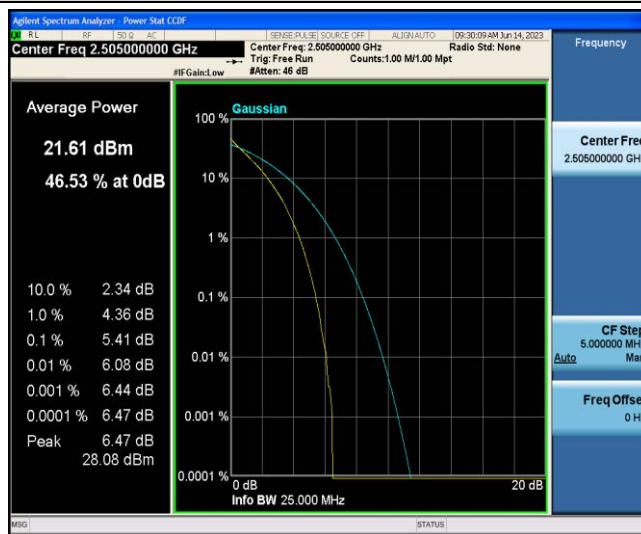
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Band7-10MHz-QPSK-20800-1RB#0



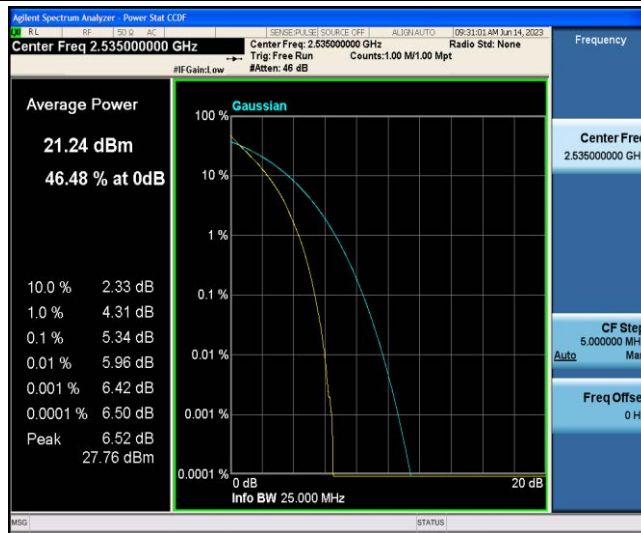
Band7-10MHz-QPSK-20800-50RB#0



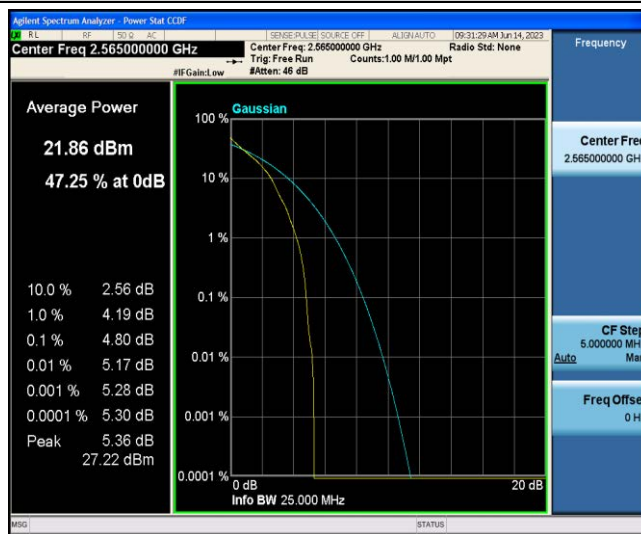
Band7-10MHz-QPSK-21100-1RB#0



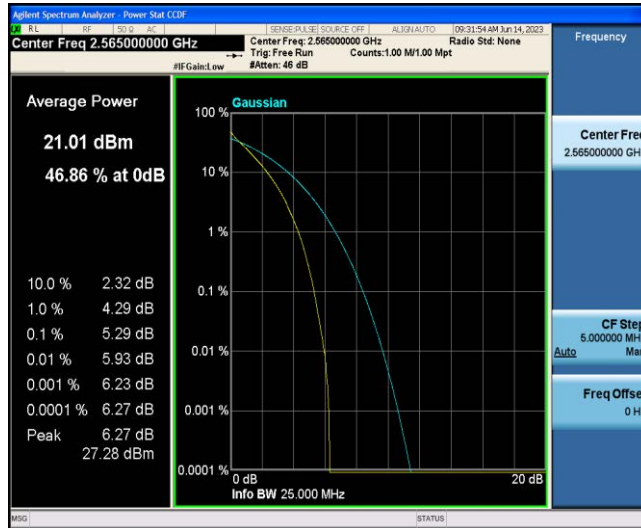
Band7-10MHz-QPSK-21100-50RB#0



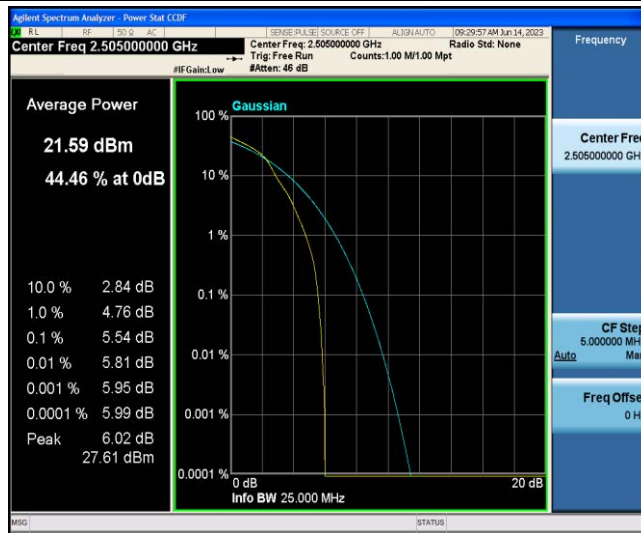
Band7-10MHz-QPSK-21400-1RB#0



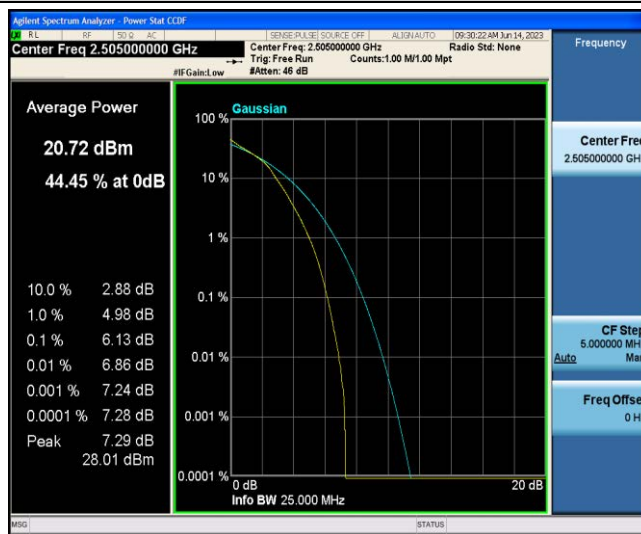
Band7-10MHz-QPSK-21400-50RB#0



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

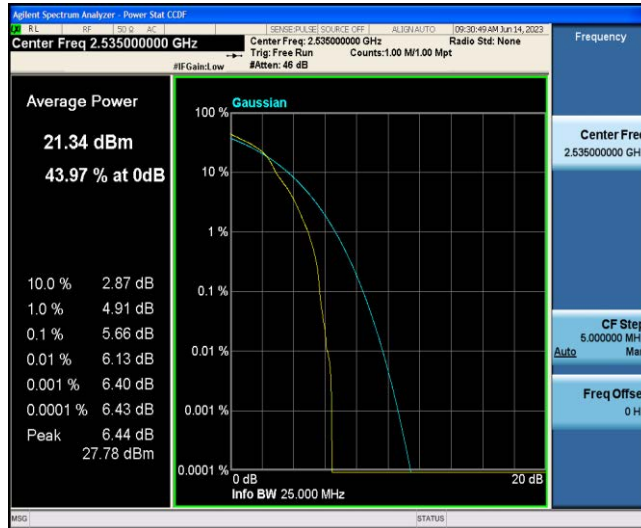


Band7-10MHz-16QAM-20800-50RB#0

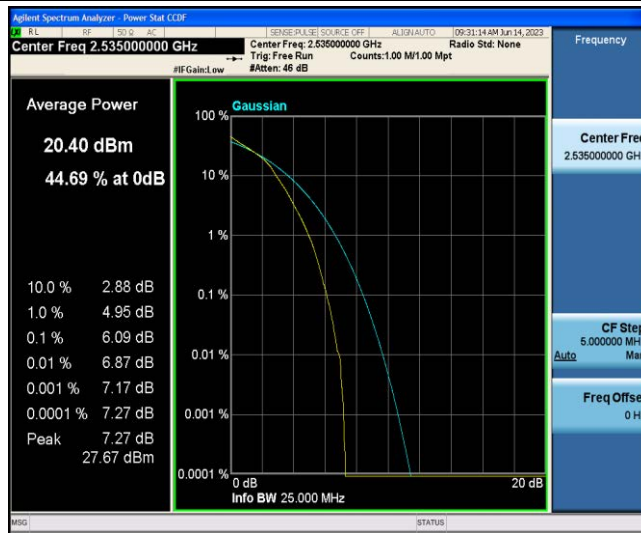


Band7-10MHz-16QAM-21100-1RB#0

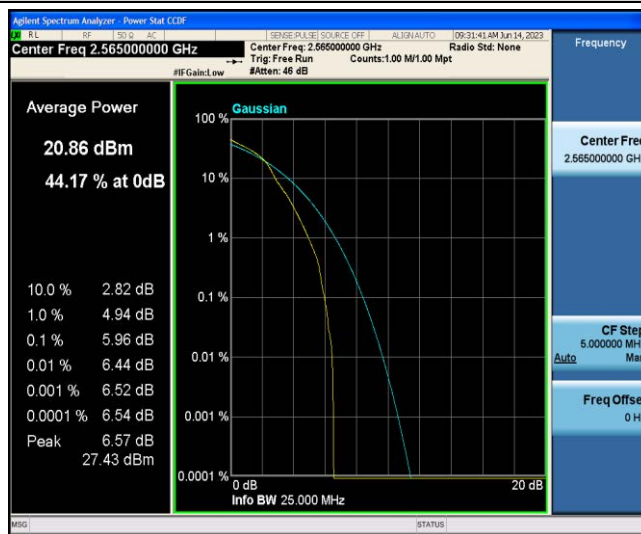




Band7-10MHz-16QAM-21100-50RB#0



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



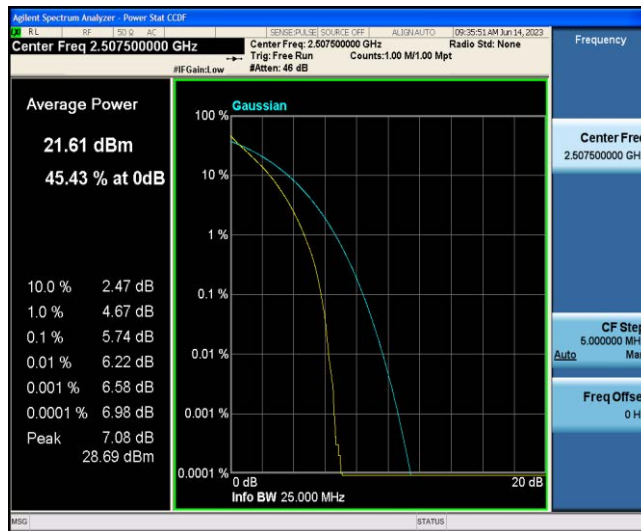
Band7-10MHz-16QAM-21400-50RB#0



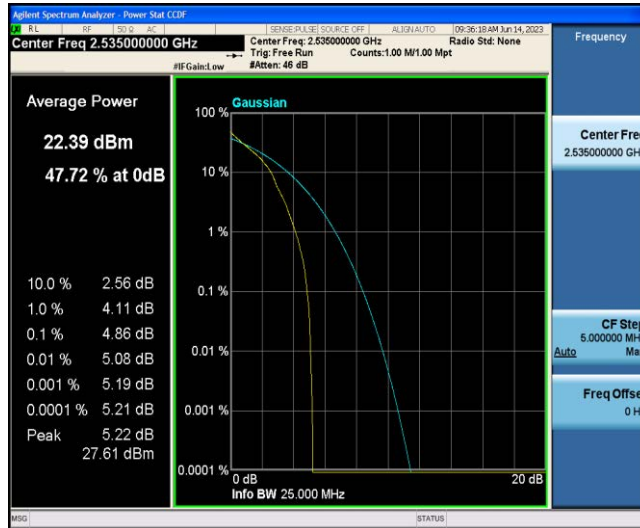
Band7-15MHz-QPSK-20825-1RB#0



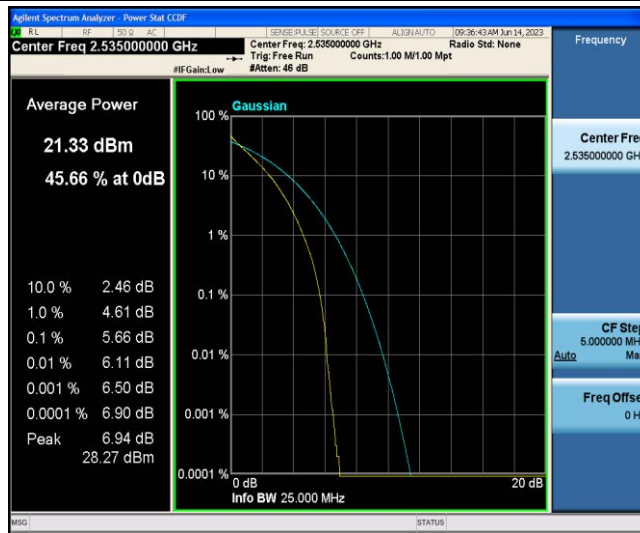
Band7-15MHz-QPSK-20825-75RB#0



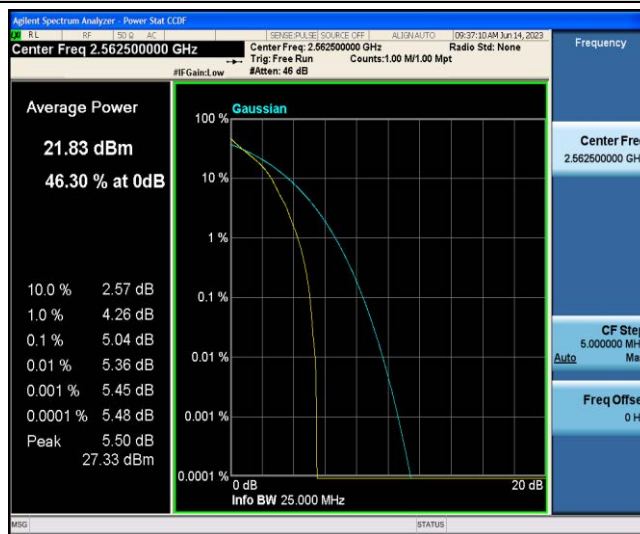
Band7-15MHz-QPSK-21100-1RB#0



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



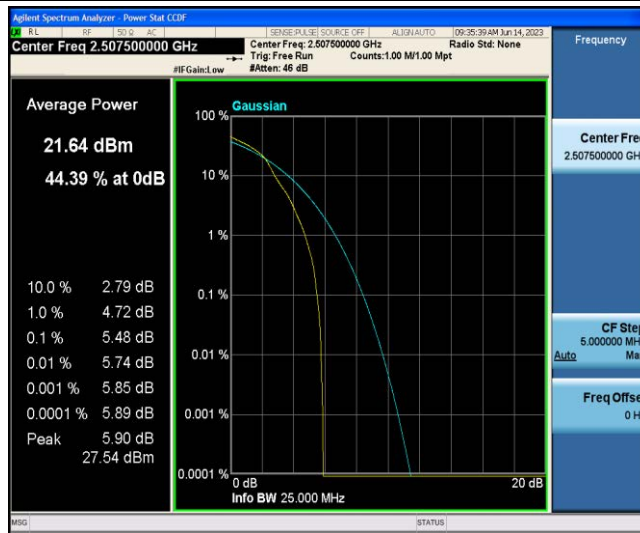
Band7-15MHz-QPSK-21375-1RB#0



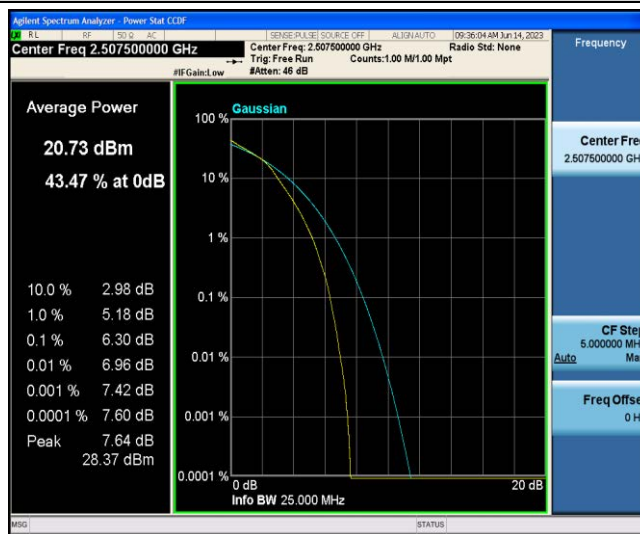
Band7-15MHz-QPSK-21375-75RB#0



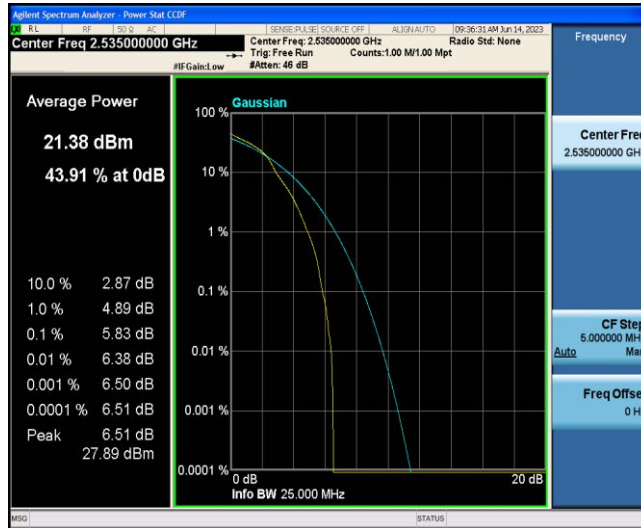
Band7-15MHz-16QAM-20825-1RB#0



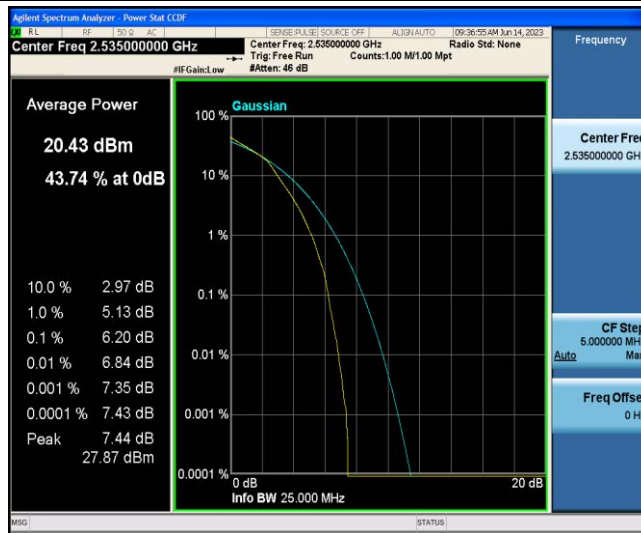
Band7-15MHz-16QAM-20825-75RB#0



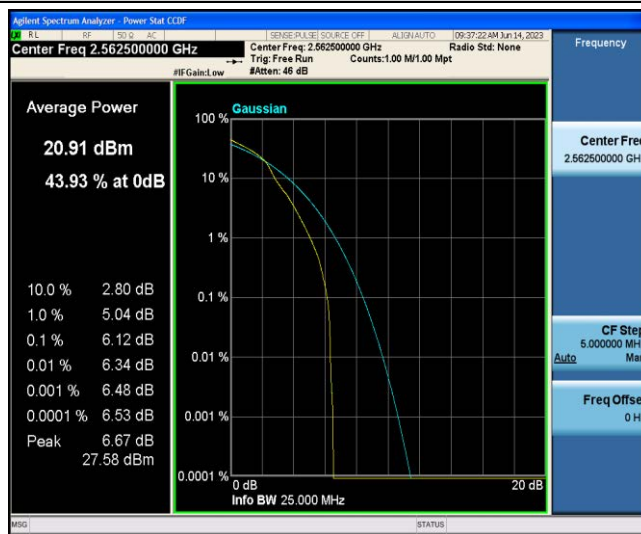
Band7-15MHz-16QAM-21100-1RB#0



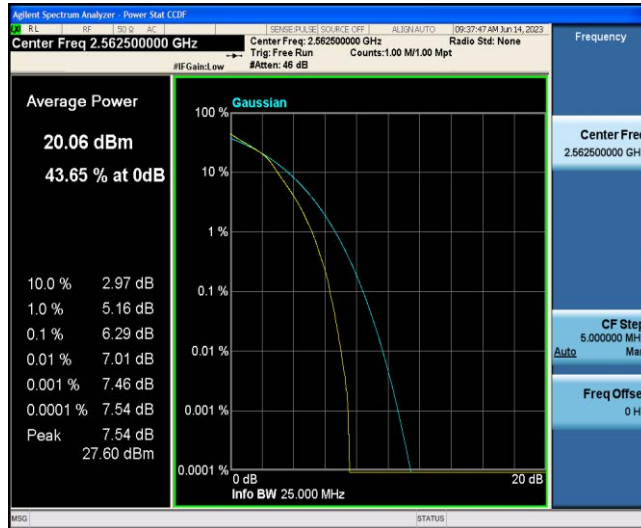
Band7-15MHz-16QAM-21100-75RB#0



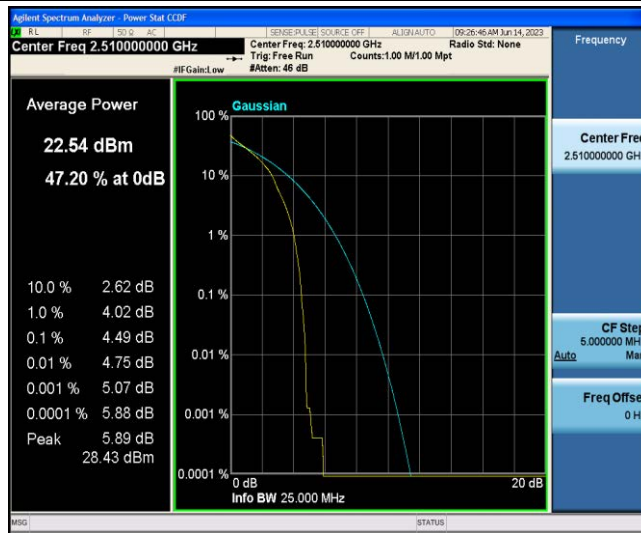
Band7-15MHz-16QAM-21375-1RB#0



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



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



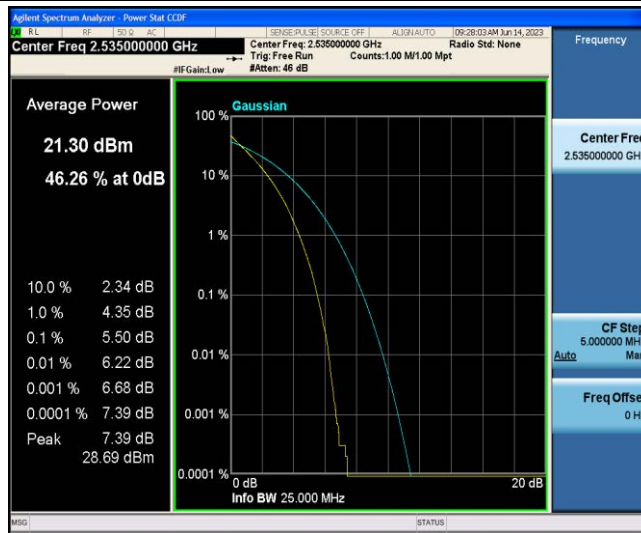
Band7-20MHz-QPSK-20850-100RB#0



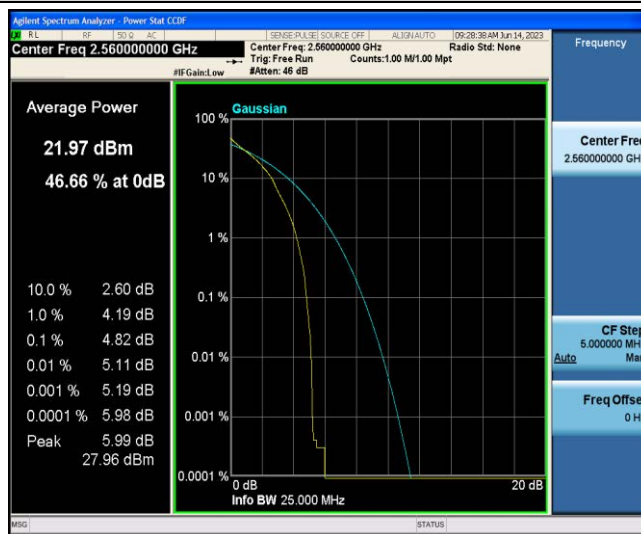
Band7-20MHz-QPSK-21100-1RB#0



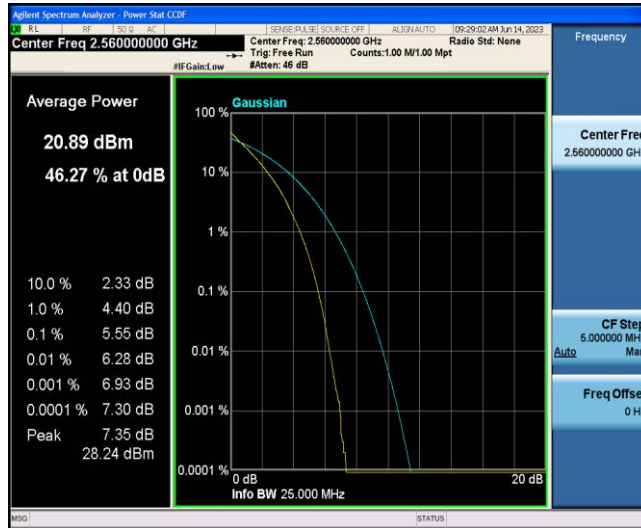
Band7-20MHz-QPSK-21100-100RB#0



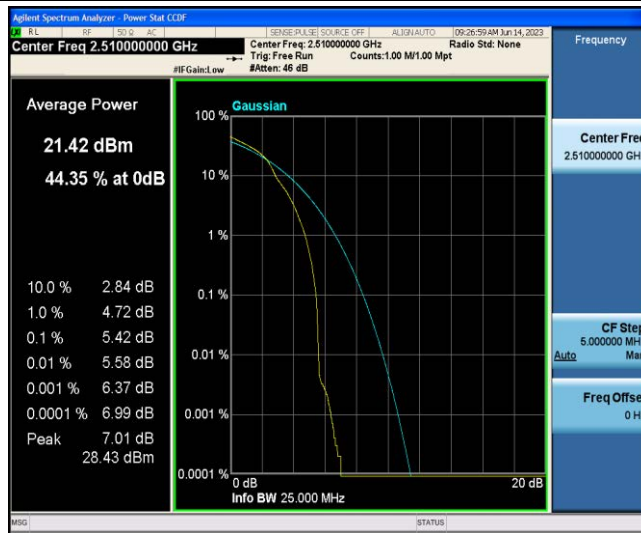
Band7-20MHz-QPSK-21350-1RB#0



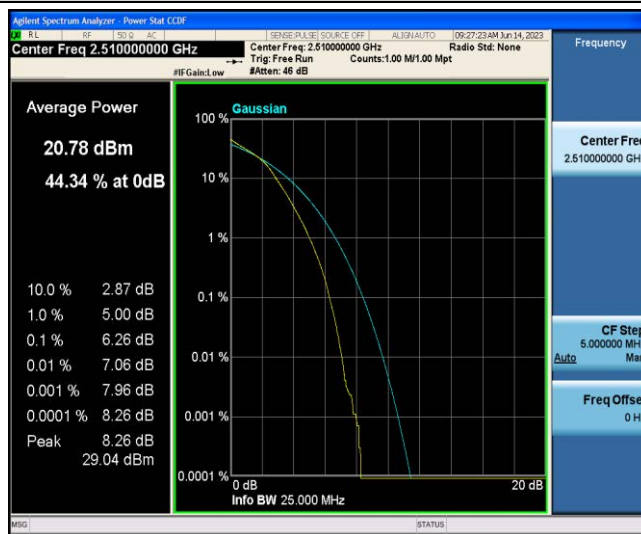
Band7-20MHz-QPSK-21350-100RB#0



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

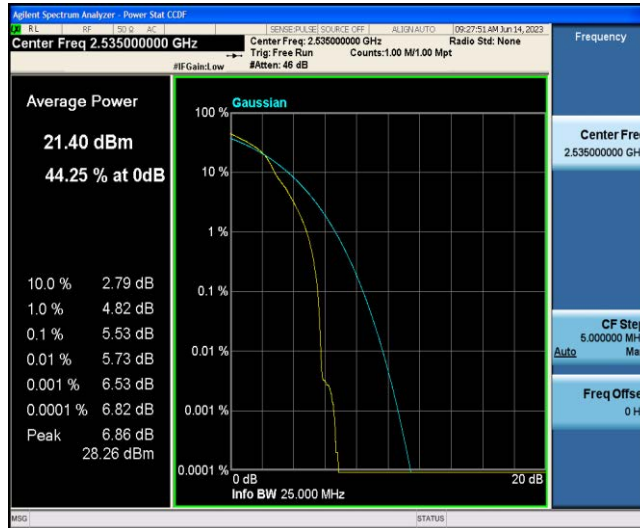


Band7-20MHz-16QAM-20850-100RB#0

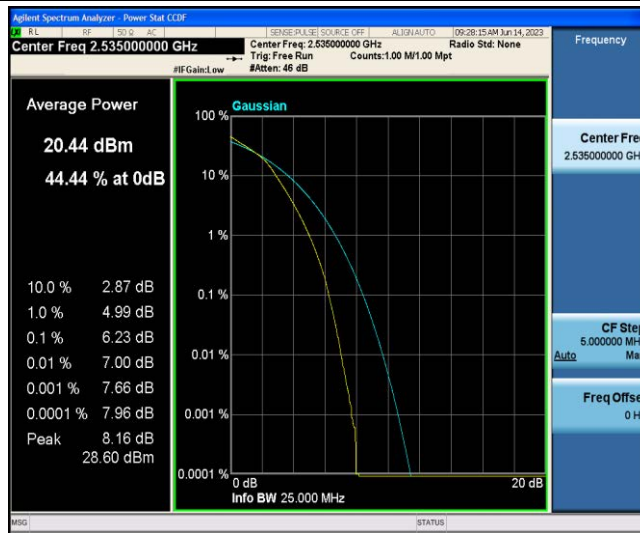


Band7-20MHz-16QAM-21100-1RB#0

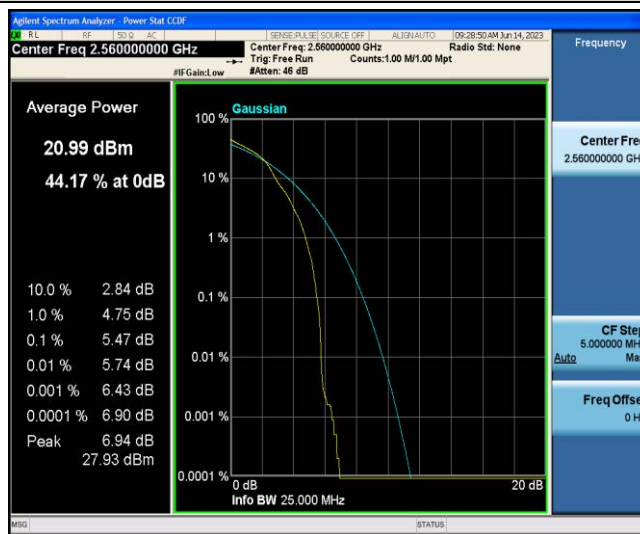




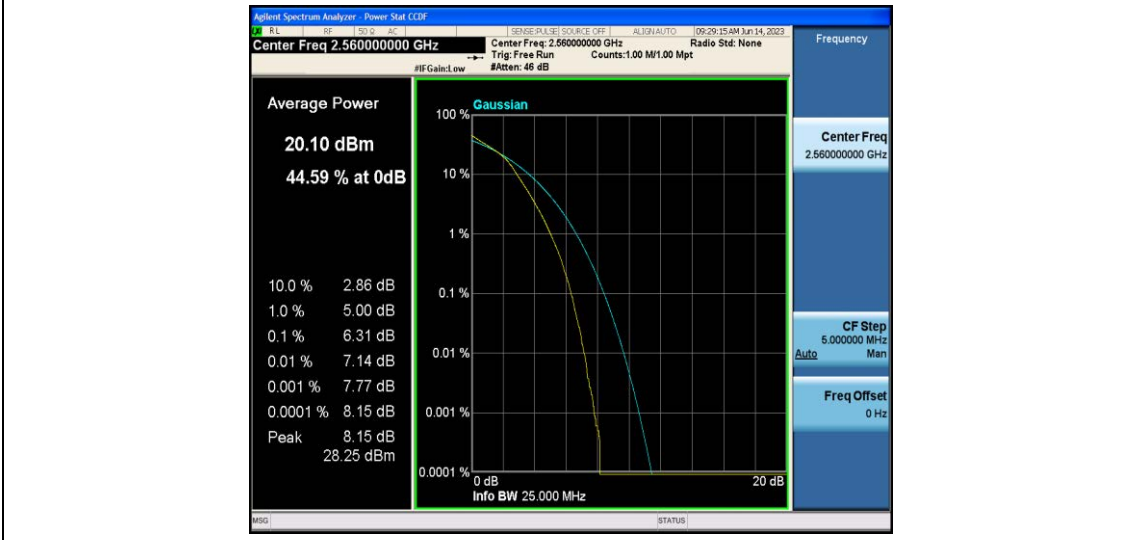
Band7-20MHz-16QAM-21100-100RB#0



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



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

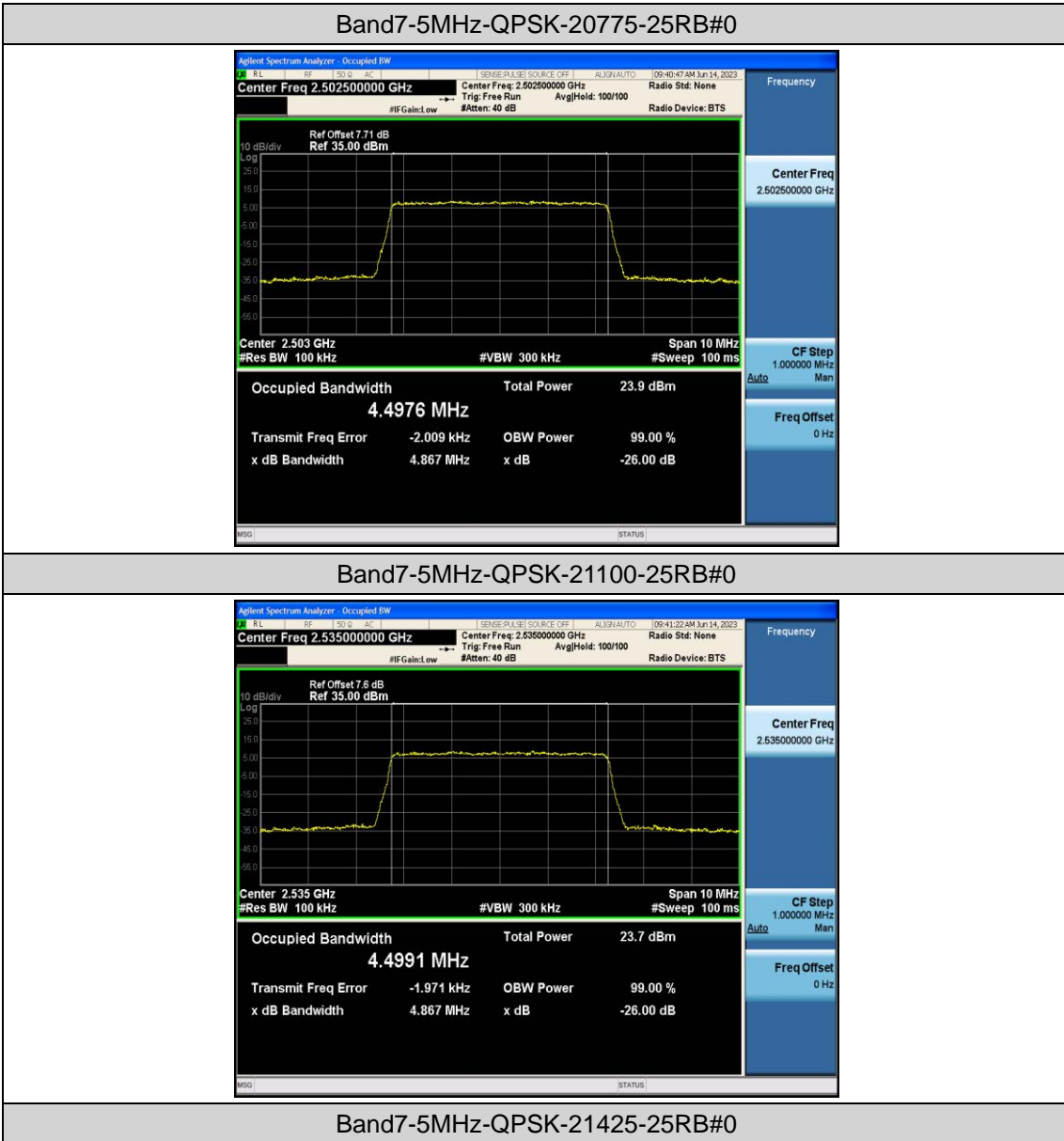


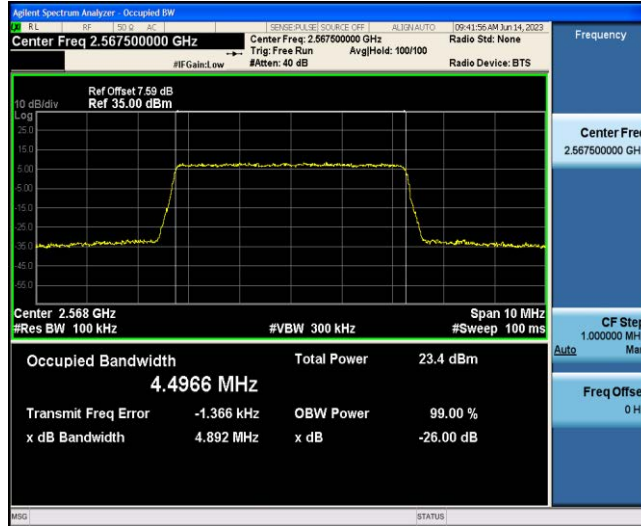
## Appendix C: 26dB Bandwidth and Occupied Bandwidth

### Test Result

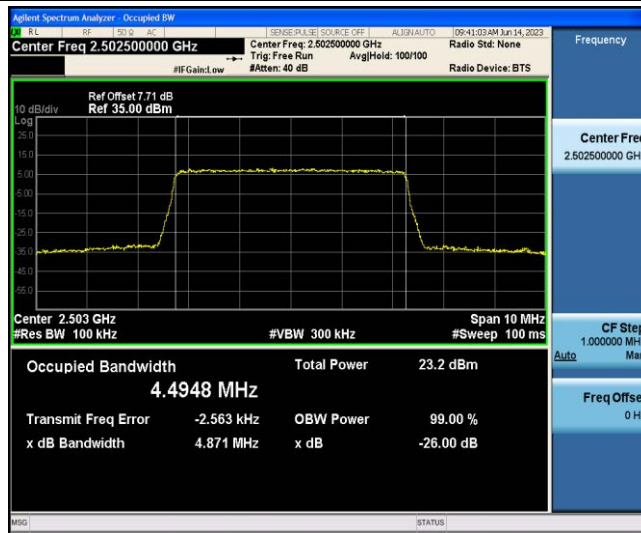
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.4976	4.867	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4991	4.867	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.4966	4.892	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4948	4.871	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.4976	4.889	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.4964	4.878	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9778	9.564	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9814	9.552	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9868	9.577	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9609	9.565	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9724	9.578	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9643	9.581	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.449	14.31	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.469	14.31	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.466	14.32	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.450	14.32	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.462	14.31	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.454	14.32	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.966	18.98	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.963	18.97	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.982	19.01	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.955	19.05	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.970	19.02	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.974	19.03	PASS

Test Graphs

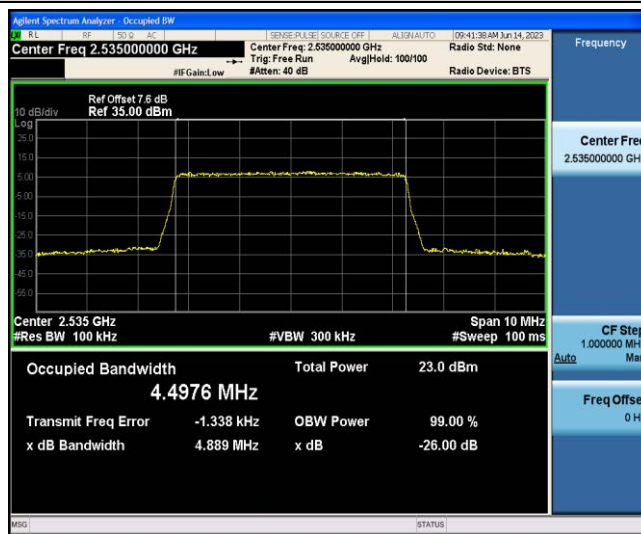




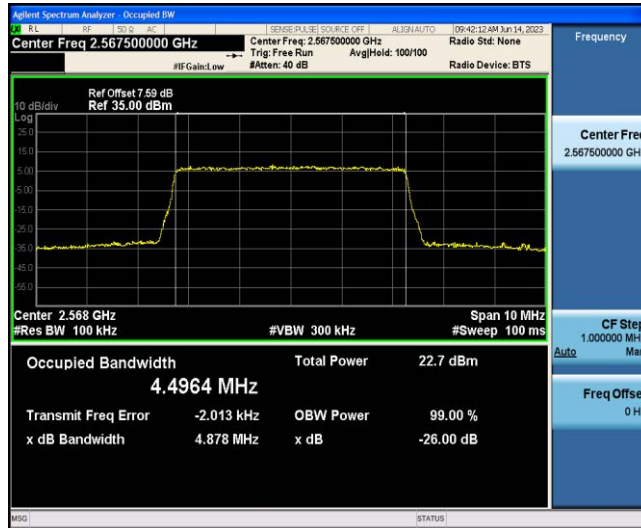
Band7-5MHz-16QAM-20775-25RB#0



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



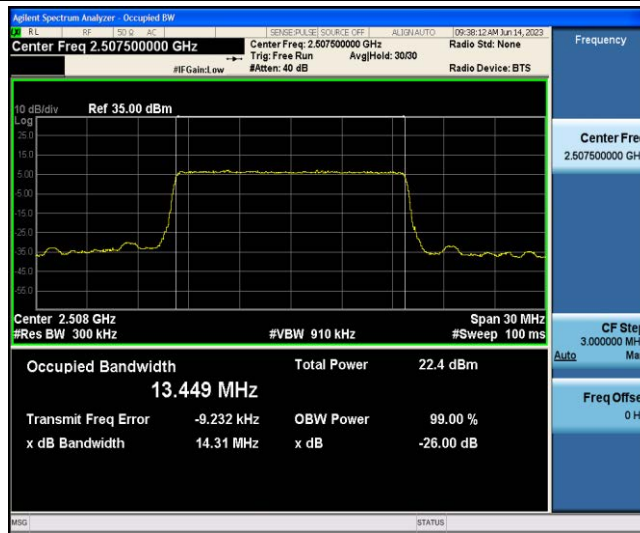
Band7-10MHz-16QAM-21100-50RB#0



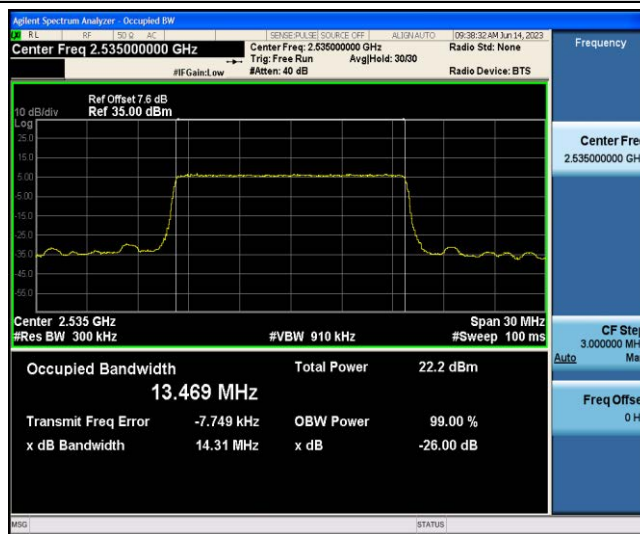
Band7-10MHz-16QAM-21400-50RB#0



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

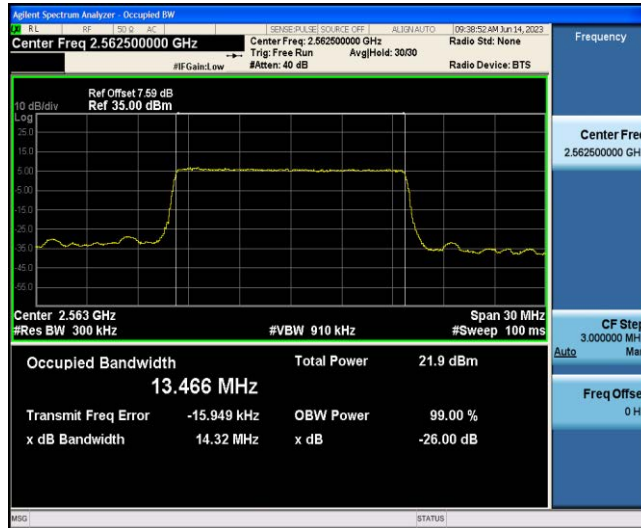


Band7-15MHz-QPSK-21100-75RB#0

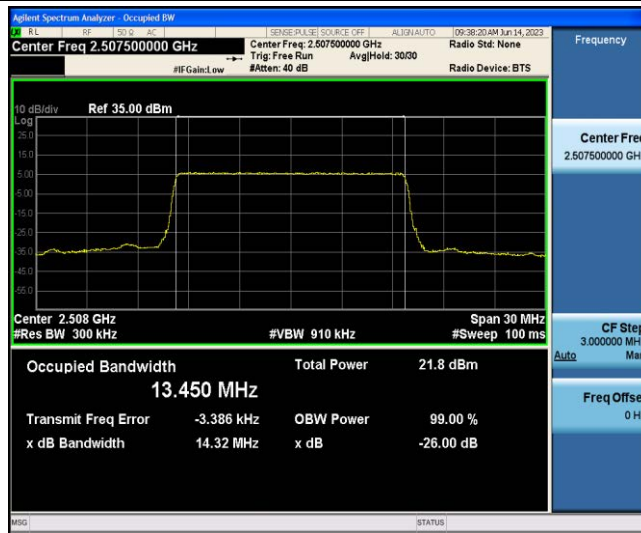


Band7-15MHz-QPSK-21375-75RB#0

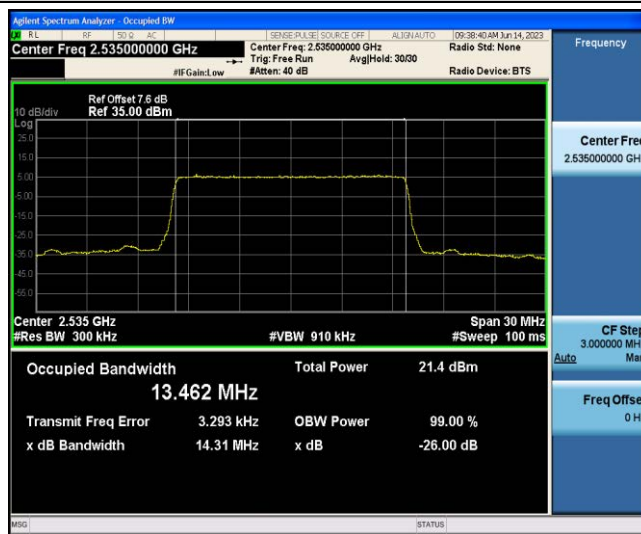




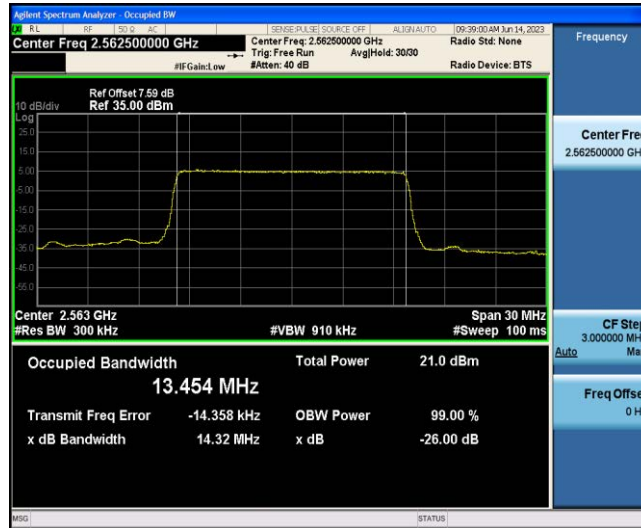
Band7-15MHz-16QAM-20825-75RB#0



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



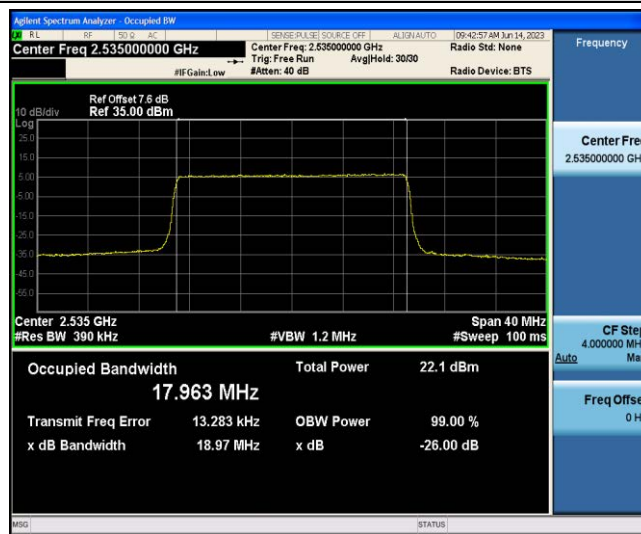
Band7-15MHz-16QAM-21375-75RB#0



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



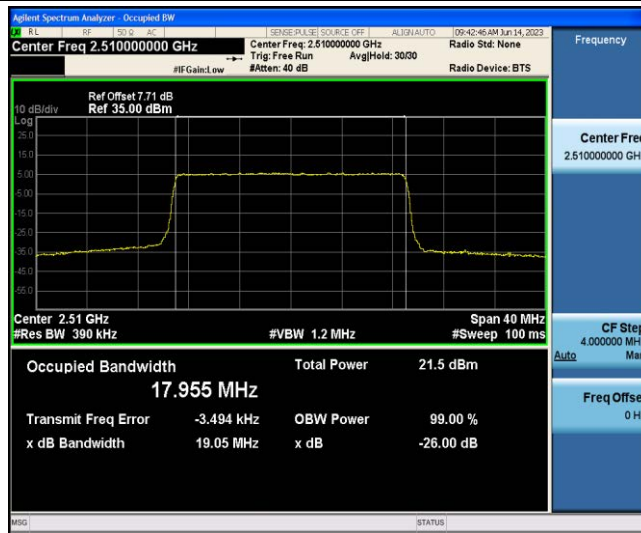
Band7-20MHz-QPSK-21100-100RB#0



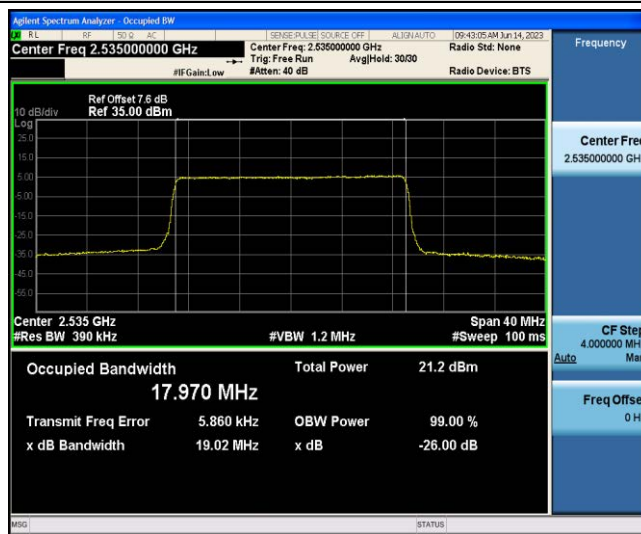
Band7-20MHz-QPSK-21350-100RB#0



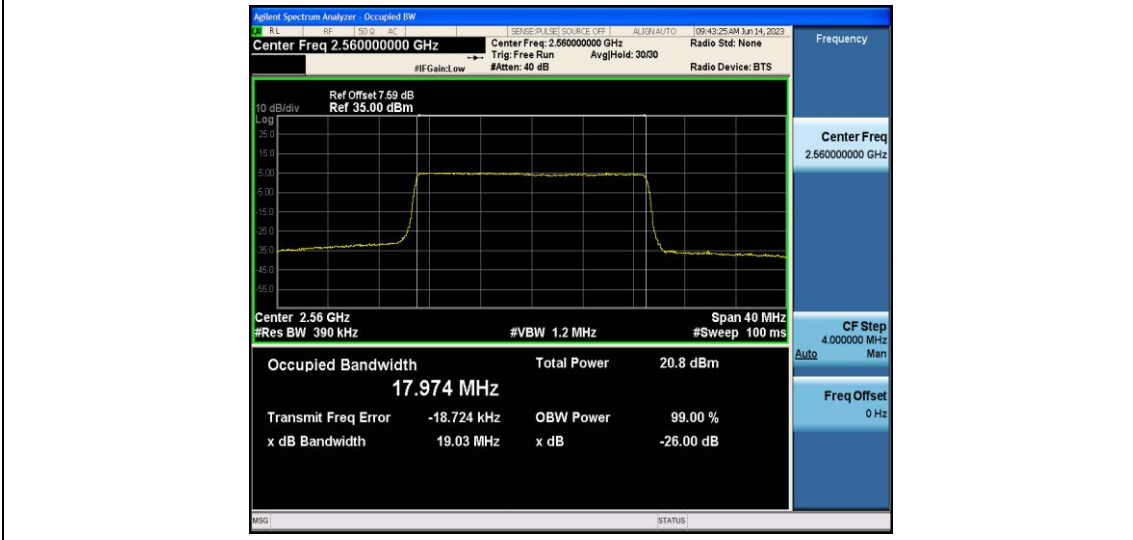
Band7-20MHz-16QAM-20850-100RB#0



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



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



## Appendix D: Band Edge

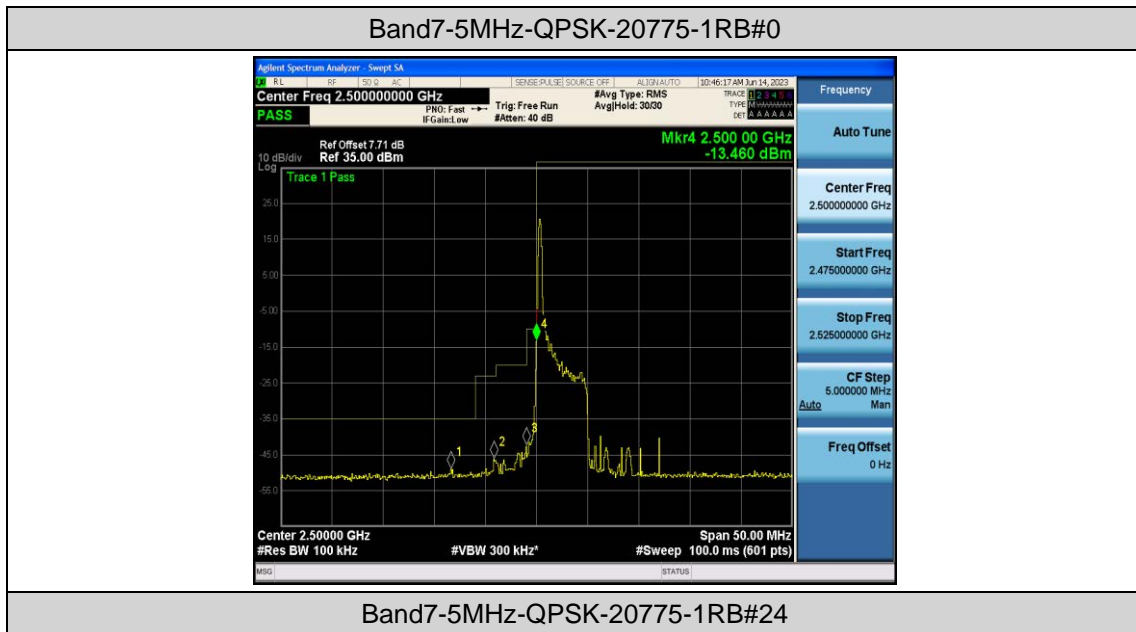
### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-49.08,-46.29,-42.56,-13.46	PASS
Band7	5MHz	QPSK	20775	1RB#24	-49.84,-44.69,-43.11,-30.21	PASS
Band7	5MHz	QPSK	20775	25RB#0	-45.05,-35.37,-34.11,-25.58	PASS
Band7	5MHz	QPSK	21425	1RB#0	-32.88,-39.76,-50.19,-49.89	PASS
Band7	5MHz	QPSK	21425	1RB#24	-14.78,-40.19,-49.83,-49.55	PASS
Band7	5MHz	QPSK	21425	25RB#0	-23.33,-34.27,-42.62,-44.03	PASS
Band7	5MHz	16QAM	20775	1RB#0	-49.57,-46.55,-43.26,-14.92	PASS
Band7	5MHz	16QAM	20775	1RB#24	-49.93,-41.09,-41.09,-32.40	PASS
Band7	5MHz	16QAM	20775	25RB#0	-45.75,-39.23,-33.48,-23.89	PASS
Band7	5MHz	16QAM	21425	1RB#0	-32.66,-40.54,-49.88,-49.89	PASS
Band7	5MHz	16QAM	21425	1RB#24	-12.49,-41.00,-49.64,-46.89	PASS
Band7	5MHz	16QAM	21425	25RB#0	-25.98,-33.49,-42.59,-44.61	PASS
Band7	10MHz	QPSK	20800	1RB#0	-47.48,-44.93,-41.65,-14.92	PASS
Band7	10MHz	QPSK	20800	1RB#49	-47.78,-43.42,-41.35,-35.07	PASS
Band7	10MHz	QPSK	20800	50RB#0	-42.77,-35.74,-33.74,-27.24	PASS
Band7	10MHz	QPSK	21400	1RB#0	-35.88,-41.46,-41.21,-47.46	PASS
Band7	10MHz	QPSK	21400	1RB#49	-15.81,-40.06,-44.13,-47.56	PASS
Band7	10MHz	QPSK	21400	50RB#0	-27.09,-34.90,-35.15,-42.04	PASS
Band7	10MHz	16QAM	20800	1RB#0	-47.81,-43.15,-39.58,-16.39	PASS
Band7	10MHz	16QAM	20800	1RB#49	-47.74,-34.26,-40.49,-35.41	PASS
Band7	10MHz	16QAM	20800	50RB#0	-41.96,-35.56,-33.16,-27.47	PASS
Band7	10MHz	16QAM	21400	1RB#0	-36.73,-40.89,-43.82,-47.84	PASS
Band7	10MHz	16QAM	21400	1RB#49	-16.89,-39.47,-44.82,-47.67	PASS
Band7	10MHz	16QAM	21400	50RB#0	-29.48,-35.12,-36.89,-41.67	PASS
Band7	15MHz	QPSK	20825	1RB#0	-46.11,-40.36,-43.05,-17.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	-41.49,-41.64,-45.98,-33.81	PASS
Band7	15MHz	QPSK	20825	75RB#0	-35.46,-32.98,-30.15,-26.69	PASS
Band7	15MHz	QPSK	21375	1RB#0	-38.98,-46.00,-39.83,-46.47	PASS
Band7	15MHz	QPSK	21375	1RB#74	-16.80,-43.18,-40.45,-46.24	PASS
Band7	15MHz	QPSK	21375	75RB#0	-28.69,-32.90,-35.07,-40.45	PASS
Band7	15MHz	16QAM	20825	1RB#0	-46.26,-39.13,-38.11,-15.99	PASS
Band7	15MHz	16QAM	20825	1RB#74	-35.12,-40.01,-45.96,-38.15	PASS
Band7	15MHz	16QAM	20825	75RB#0	-38.07,-33.57,-31.10,-26.72	PASS
Band7	15MHz	16QAM	21375	1RB#0	-39.68,-46.20,-39.24,-45.96	PASS
Band7	15MHz	16QAM	21375	1RB#74	-16.38,-39.46,-40.39,-46.47	PASS



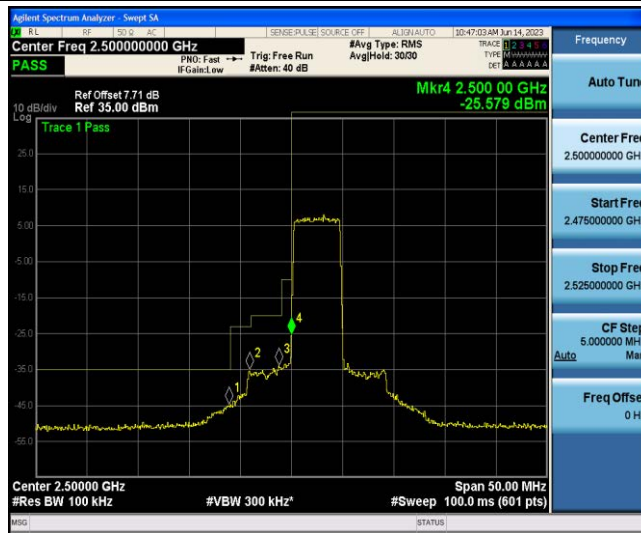
Band7	15MHz	16QAM	21375	75RB#0	-29.46,-34.04,-36.35,-41.33	PASS
Band7	20MHz	QPSK	20850	1RB#0	-44.76,-37.20,-39.03,-18.96	PASS
Band7	20MHz	QPSK	20850	1RB#99	-35.07,-36.71,-43.00,-37.41	PASS
Band7	20MHz	QPSK	20850	100RB#0	-35.61,-33.93,-31.55,-28.86	PASS
Band7	20MHz	QPSK	21350	1RB#0	-39.80,-44.17,-37.12,-45.27	PASS
Band7	20MHz	QPSK	21350	1RB#99	-19.18,-38.22,-37.06,-45.61	PASS
Band7	20MHz	QPSK	21350	100RB#0	-31.15,-35.67,-36.65,-42.48	PASS
Band7	20MHz	16QAM	20850	1RB#0	-44.08,-37.42,-39.63,-17.80	PASS
Band7	20MHz	16QAM	20850	1RB#99	-30.18,-36.28,-42.84,-37.12	PASS
Band7	20MHz	16QAM	20850	100RB#0	-36.27,-33.39,-31.88,-29.47	PASS
Band7	20MHz	16QAM	21350	1RB#0	-40.27,-44.44,-36.25,-45.15	PASS
Band7	20MHz	16QAM	21350	1RB#99	-19.32,-26.19,-34.02,-45.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	-30.80,-35.40,-36.06,-42.81	PASS

### Test Graphs





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



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



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