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## **Appendix for LTE Band 4**

**Applicant: Imin Technology Pte Ltd**

**Address: 11 Bishan Street 21, #03-05 Bosch Building, Singapore,  
573943**

**Product Name: POS Device**

**Model: I23M03**

**FCC ID: 2AYD5-I23M03**

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# 1 Summary of Test Results Data and Graph

## 1.1. Appendix A: Conducted Power Output Data

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	23.28	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.21	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.48	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.35	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.25	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.17	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	23.32	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	22.12	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	23.34	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	22.15	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	23.33	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	22.11	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.38	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.36	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.38	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.16	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.47	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.36	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.35	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.19	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.39	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	22.25	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	23.39	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	22.29	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	23.45	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	22.24	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.42	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.25	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.47	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.28	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.53	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.40	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.43	PASS

Band4	1.4MHz	16QAM	20393	1RB#5	22.26	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	23.47	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	22.37	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	23.53	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	22.33	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	23.60	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	22.33	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.52	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.53	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.34	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.36	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.36	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.41	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.34	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.38	PASS
Band4	3MHz	QPSK	19965	8RB#0	22.43	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.40	PASS
Band4	3MHz	QPSK	19965	8RB#4	22.39	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.41	PASS
Band4	3MHz	QPSK	19965	8RB#7	22.40	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.40	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.35	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.37	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.46	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.33	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.48	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.30	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.44	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.28	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.47	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.43	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.46	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.45	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.46	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.41	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.44	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.38	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.53	PASS

Band4	3MHz	16QAM	20385	1RB#0	22.26	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.56	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.38	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.53	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.36	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.62	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.58	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.56	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.61	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.61	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.61	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.58	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.52	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.26	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.20	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.33	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.27	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.27	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.16	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.30	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.18	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.26	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.25	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.30	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.24	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.31	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.27	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.27	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.38	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.37	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.50	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.28	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.40	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.39	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.33	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.40	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.37	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.36	PASS

Band4	5MHz	16QAM	20175	12RB#13	21.37	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.36	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.30	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.40	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.29	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.55	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.41	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.41	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.39	PASS
Band4	5MHz	QPSK	20375	12RB#0	22.42	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.42	PASS
Band4	5MHz	QPSK	20375	12RB#6	22.43	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.41	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.50	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.49	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.50	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.51	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.27	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.28	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.38	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.46	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.18	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.29	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.34	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.25	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.30	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.29	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.31	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.29	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.30	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.27	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.34	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.21	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.55	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.38	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.32	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.18	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.44	PASS

Band4	10MHz	16QAM	20175	25RB#0	21.42	PASS
Band4	10MHz	QPSK	20175	25RB#12	22.39	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.42	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.41	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.39	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.38	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.41	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.29	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.10	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.61	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.38	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.42	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.25	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.48	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.46	PASS
Band4	10MHz	QPSK	20350	25RB#12	22.46	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.48	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.54	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.49	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.50	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.44	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.08	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.12	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.26	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.33	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.07	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.22	PASS
Band4	15MHz	QPSK	20025	38RB#0	22.29	PASS
Band4	15MHz	16QAM	20025	38RB#0	22.27	PASS
Band4	15MHz	QPSK	20025	38RB#18	22.20	PASS
Band4	15MHz	16QAM	20025	38RB#18	22.28	PASS
Band4	15MHz	QPSK	20025	38RB#37	22.23	PASS
Band4	15MHz	16QAM	20025	38RB#37	22.25	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.22	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.17	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.08	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.26	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.31	PASS

Band4	15MHz	16QAM	20175	1RB#38	22.46	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.14	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.25	PASS
Band4	15MHz	QPSK	20175	38RB#0	22.37	PASS
Band4	15MHz	16QAM	20175	38RB#0	22.33	PASS
Band4	15MHz	QPSK	20175	38RB#18	22.33	PASS
Band4	15MHz	16QAM	20175	38RB#18	22.34	PASS
Band4	15MHz	QPSK	20175	38RB#37	22.36	PASS
Band4	15MHz	16QAM	20175	38RB#37	22.32	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.33	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.30	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.21	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.98	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.49	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.25	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.25	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.11	PASS
Band4	15MHz	QPSK	20325	38RB#0	22.46	PASS
Band4	15MHz	16QAM	20325	38RB#0	22.41	PASS
Band4	15MHz	QPSK	20325	38RB#18	22.46	PASS
Band4	15MHz	16QAM	20325	38RB#18	22.46	PASS
Band4	15MHz	QPSK	20325	38RB#37	22.46	PASS
Band4	15MHz	16QAM	20325	38RB#37	22.46	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.35	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.38	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.09	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.96	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.42	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.37	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.07	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.02	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.21	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.13	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.14	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.18	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.22	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.21	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.24	PASS



Band4	20MHz	16QAM	20050	100RB#0	21.19	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.11	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.21	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.47	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.60	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.12	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.29	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.27	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.28	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.27	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.26	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.24	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.29	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.20	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.25	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.04	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.88	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.57	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.28	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.13	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.02	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.24	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.34	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.25	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.35	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.38	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.43	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.34	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.29	PASS

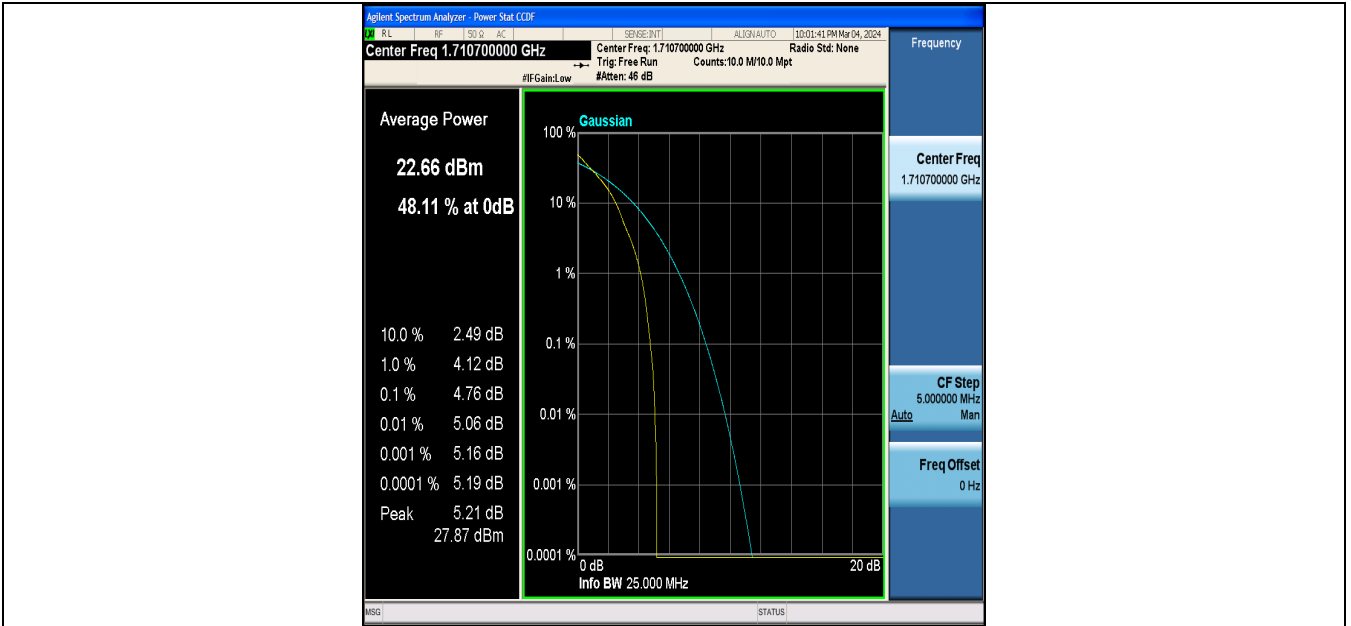
## 1.2. Appendix B: Peak-to-Average Ratio(CCDF)

### Test Result

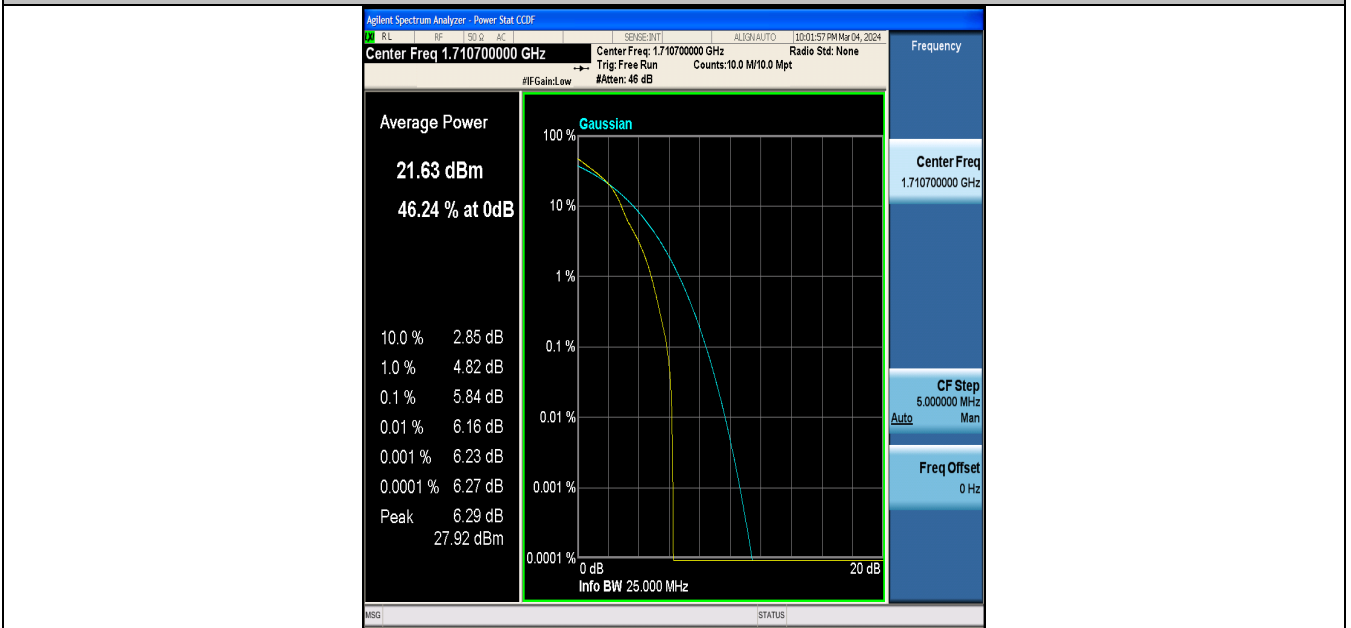
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	4.76	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	5.84	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	5.15	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.05	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	4.92	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.95	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.21	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.04	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	4.68	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	5.52	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.14	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.04	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	4.69	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	5.78	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.10	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.00	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	4.87	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	5.72	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.23	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.03	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	4.65	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	5.47	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.16	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.00	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	4.68	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	5.34	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.25	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.02	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	5.03	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	5.64	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.40	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.13	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	4.86	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	5.54	13	PASS

Band4	5MHz	QPSK	20375	25RB#0	5.23	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.01	13	PASS
Band4	10MHz	QPSK	20000	1RB#0	4.76	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	5.85	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.24	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.07	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	4.96	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	5.83	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.35	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.14	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	4.84	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	5.63	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.26	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.07	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	4.79	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	5.90	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.63	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.21	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	5.02	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	5.84	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.69	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.27	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	4.98	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	5.81	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.62	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.19	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	4.88	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	5.87	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.43	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.19	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	4.92	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	5.58	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.45	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.24	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	5.12	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	5.99	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.50	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.24	13	PASS

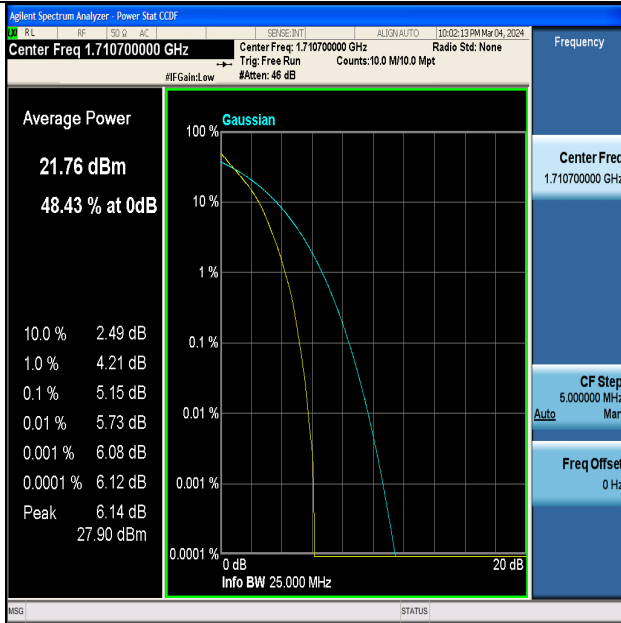
# Test Graphs



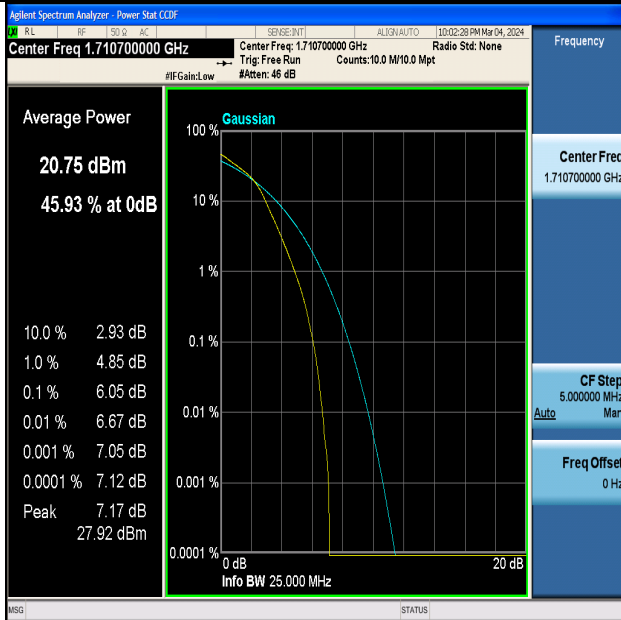
Band4-1.4MHz-QPSK-19957-1RB#0-PASS



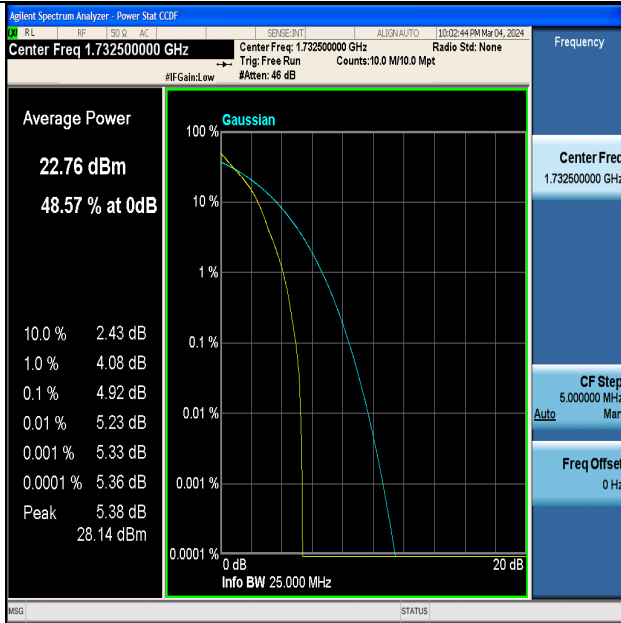
Band4-1.4MHz-16QAM-19957-1RB#0-PASS



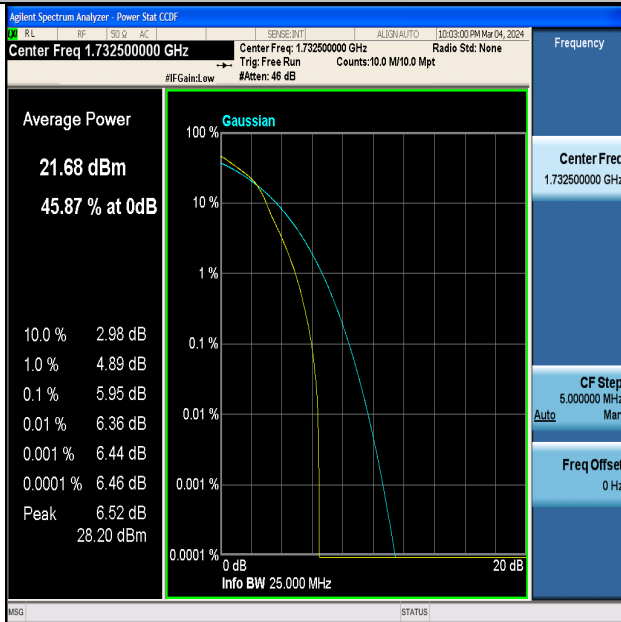
**Band4-1.4MHz-QPSK-19957-6RB#0-PASS**



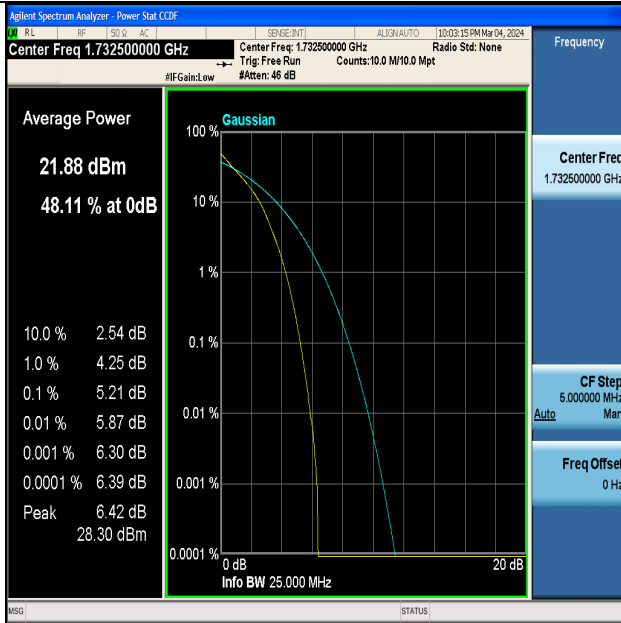
**Band4-1.4MHz-16QAM-19957-6RB#0-PASS**



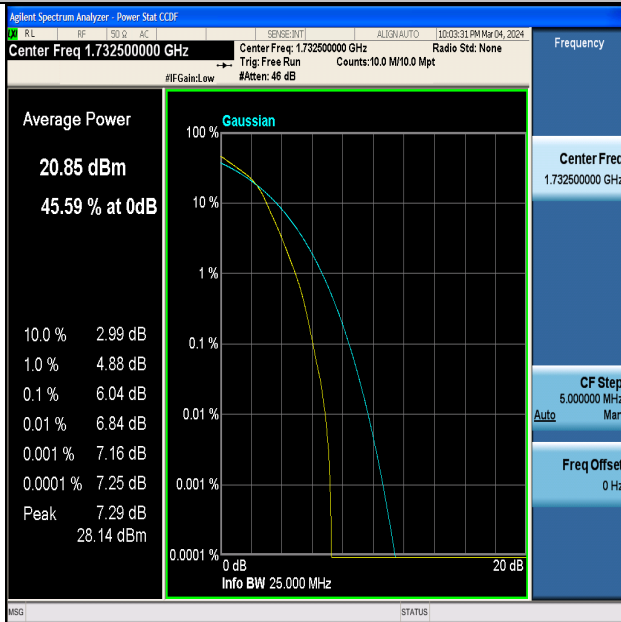
**Band4-1.4MHz-QPSK-20175-1RB#0-PASS**



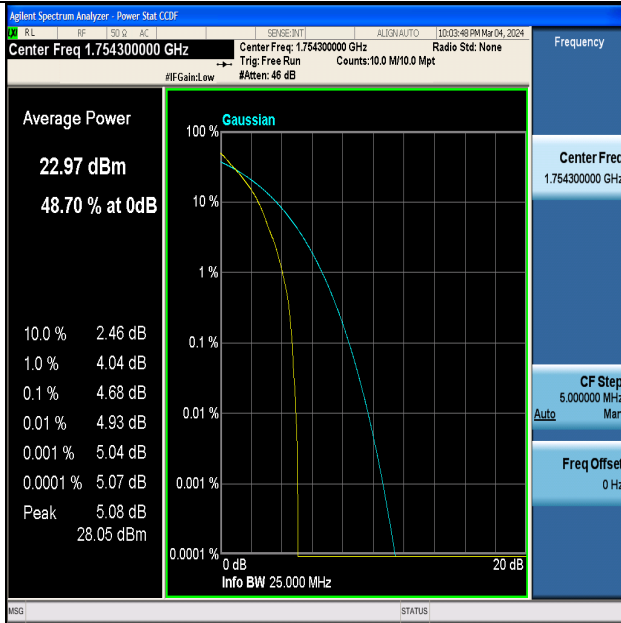
**Band4-1.4MHz-16QAM-20175-1RB#0-PASS**



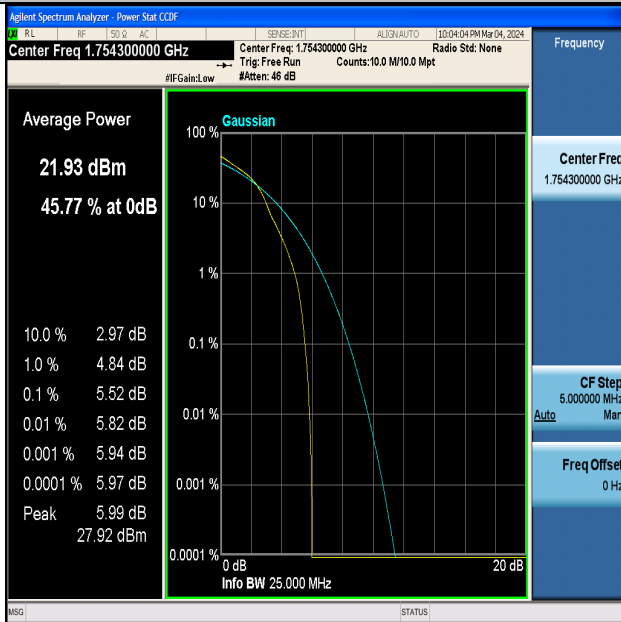
Band4-1.4MHz-QPSK-20175-6RB#0-PASS



Band4-1.4MHz-16QAM-20175-6RB#0-PASS

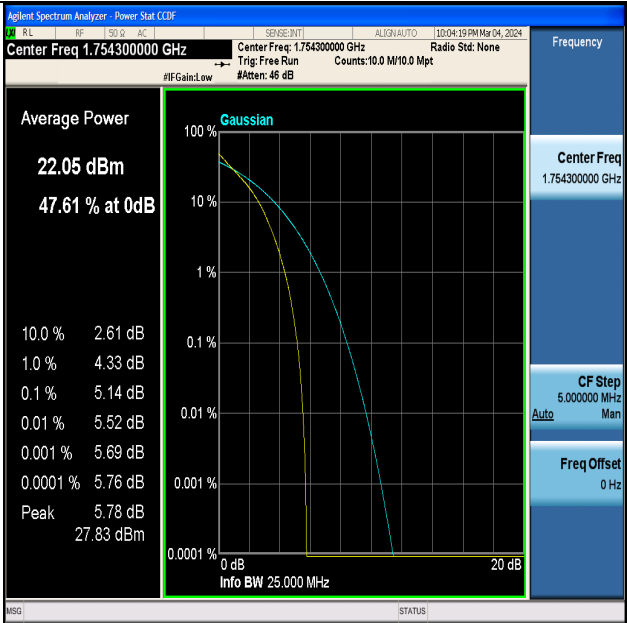


Band4-1.4MHz-QPSK-20393-1RB#0-PASS

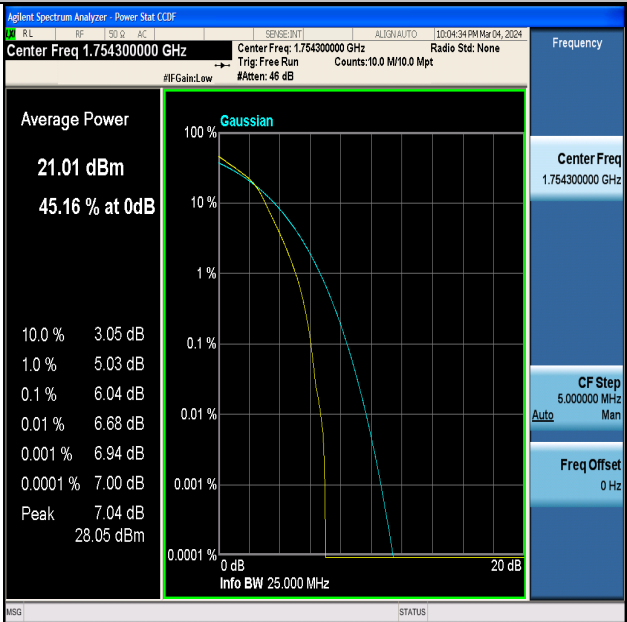


Band4-1.4MHz-16QAM-20393-1RB#0-PASS

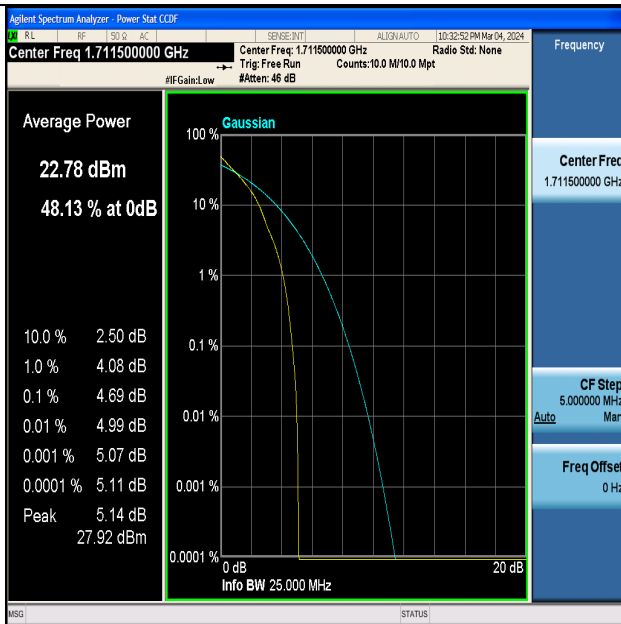




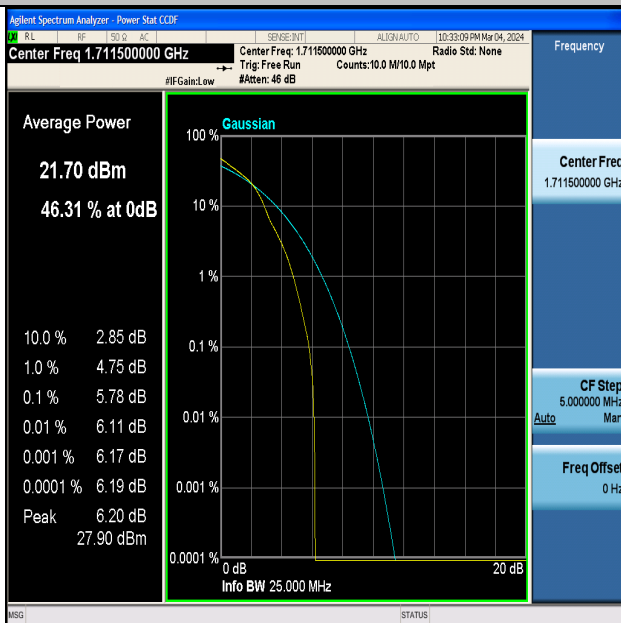
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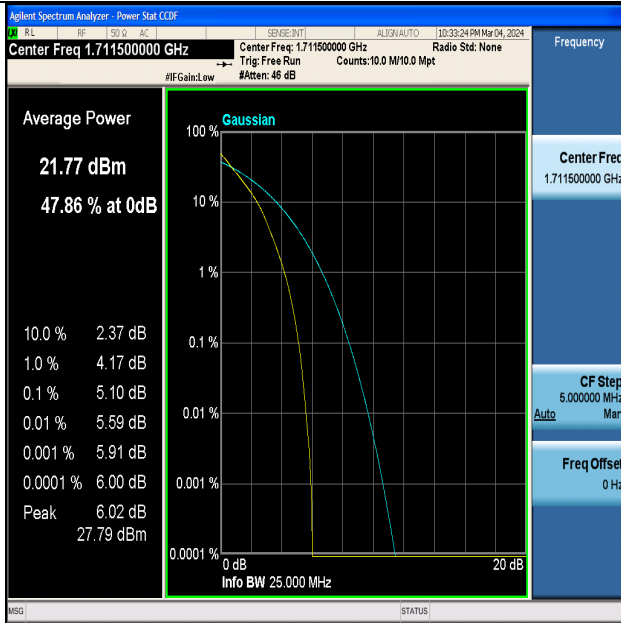
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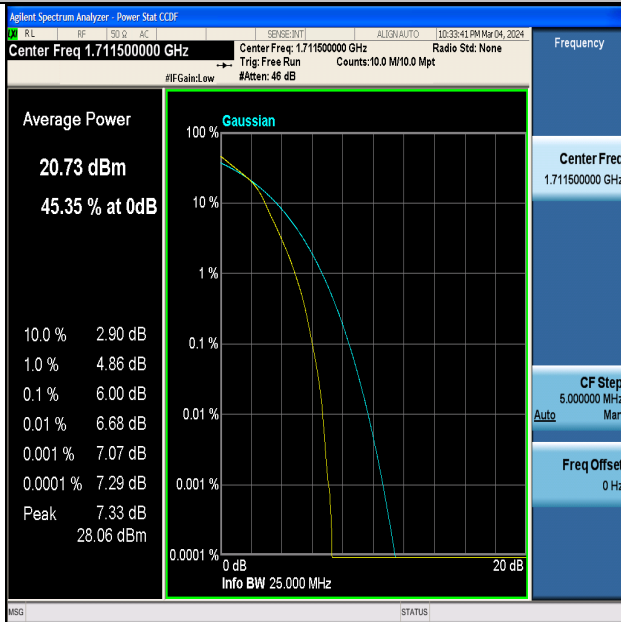
Band4-3MHz-QPSK-19965-1RB#0-PASS



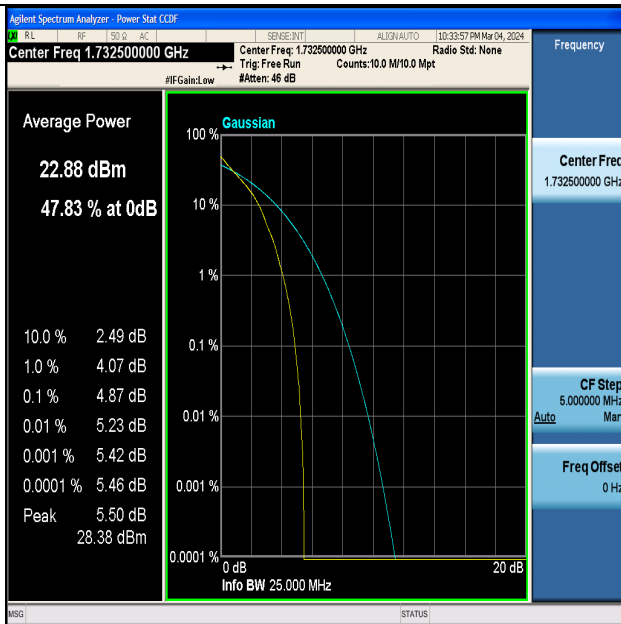
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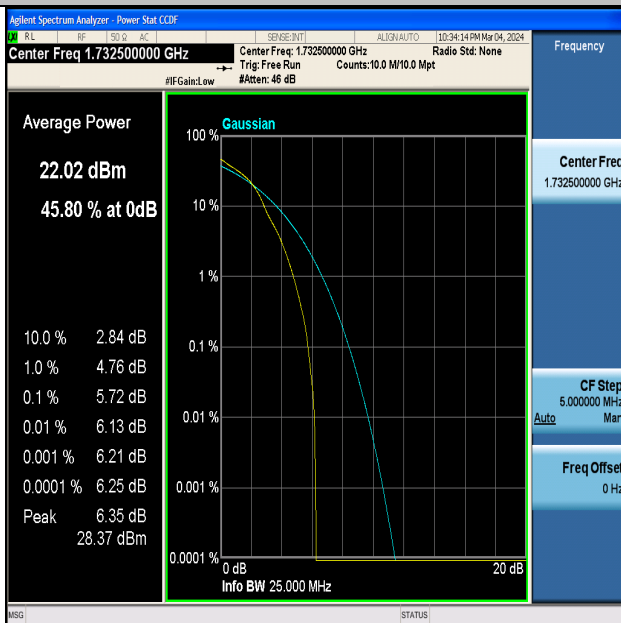
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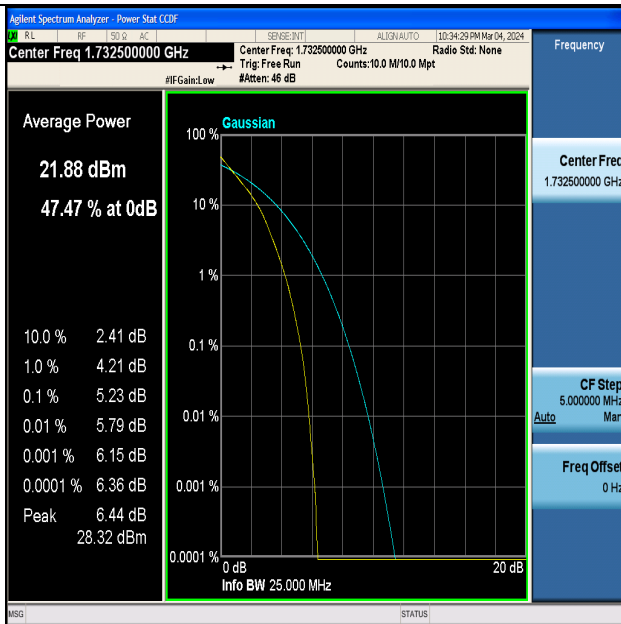
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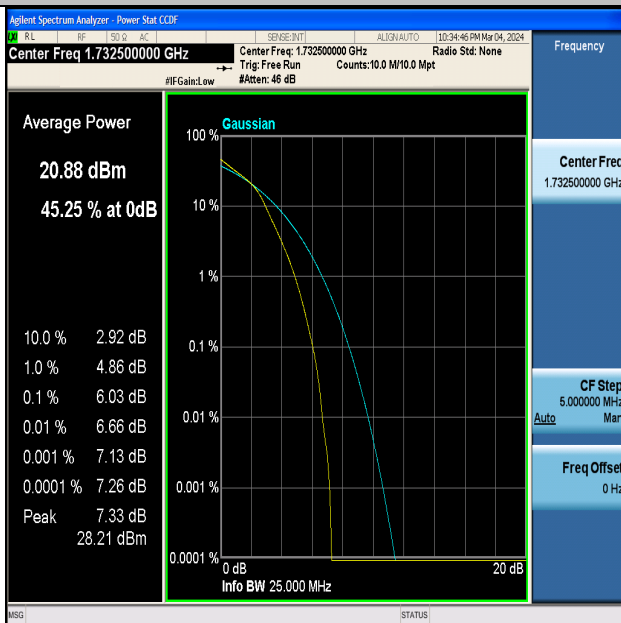
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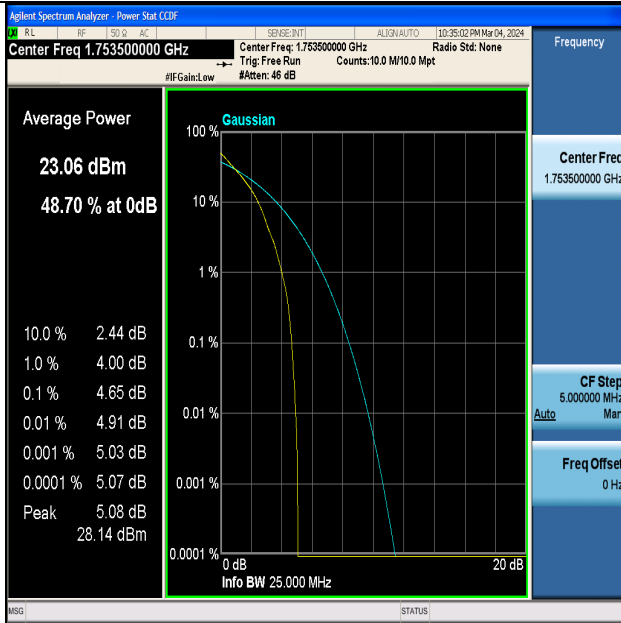
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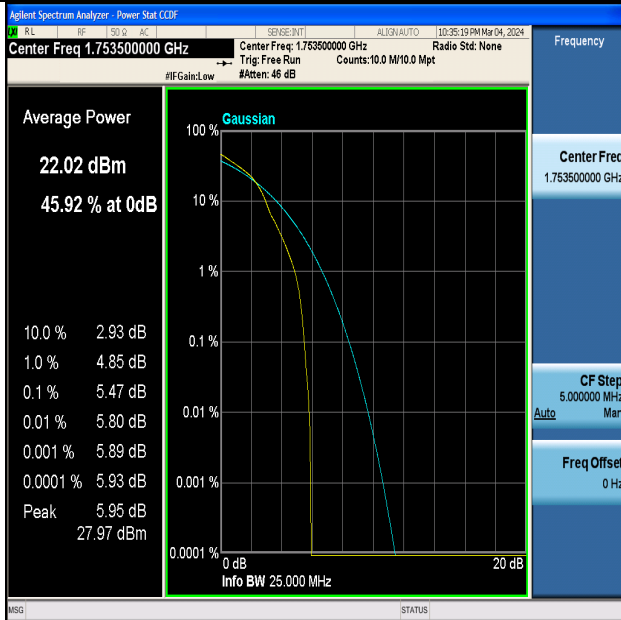
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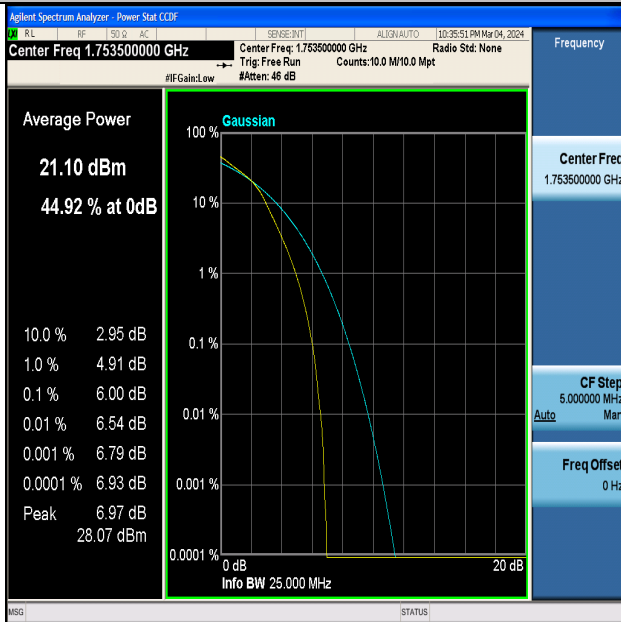
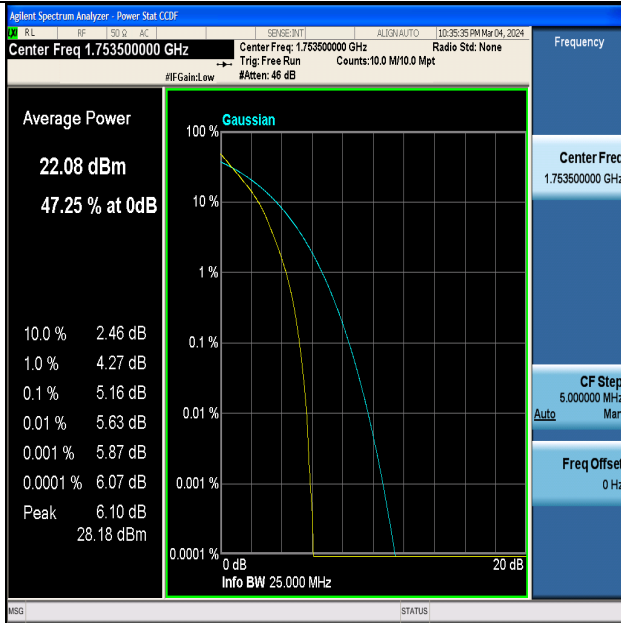
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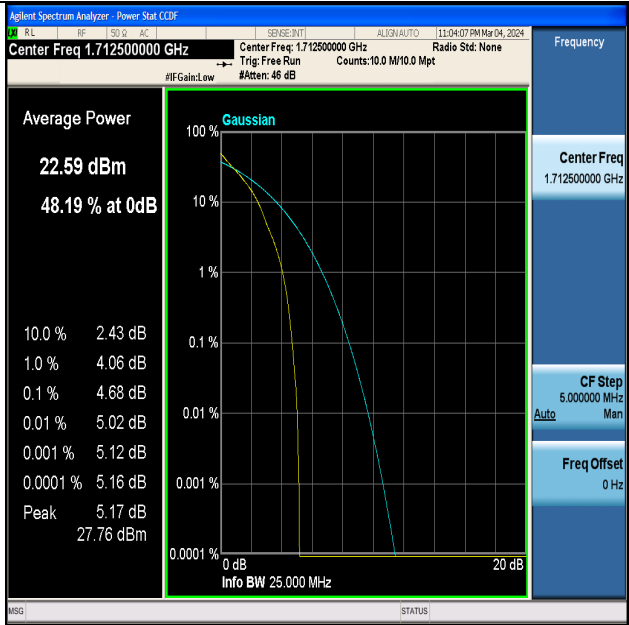


Band4-3MHz-QPSK-20385-1RB#0-PASS

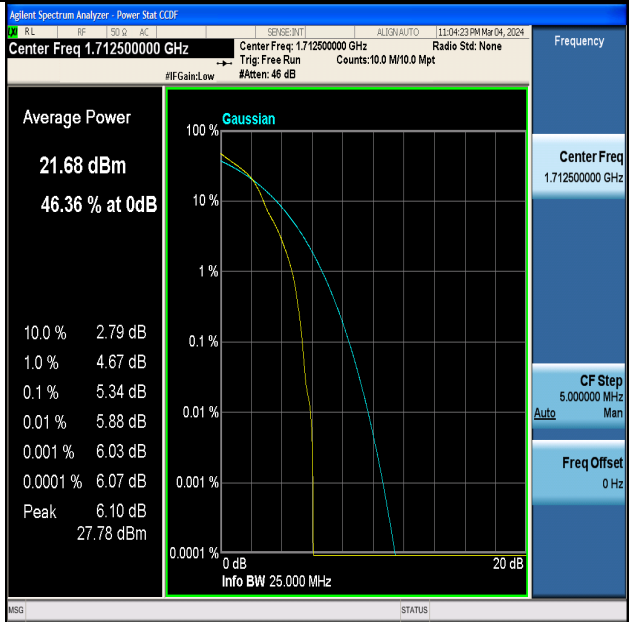


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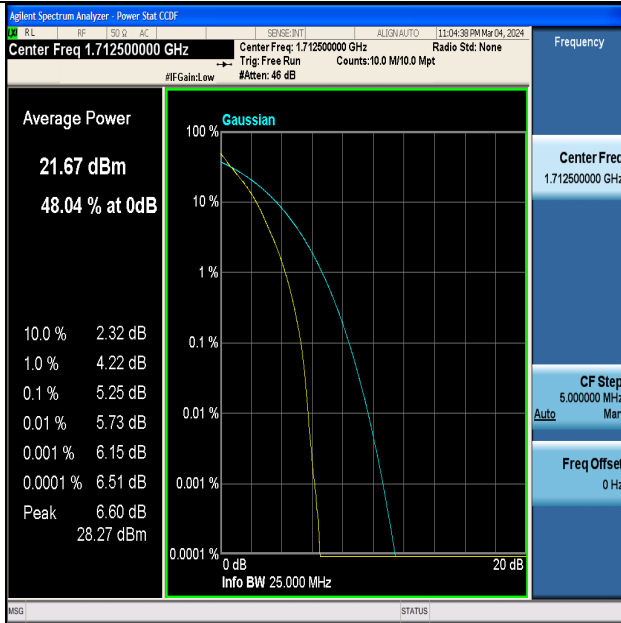


Band4-5MHz-QPSK-19975-1RB#0-PASS

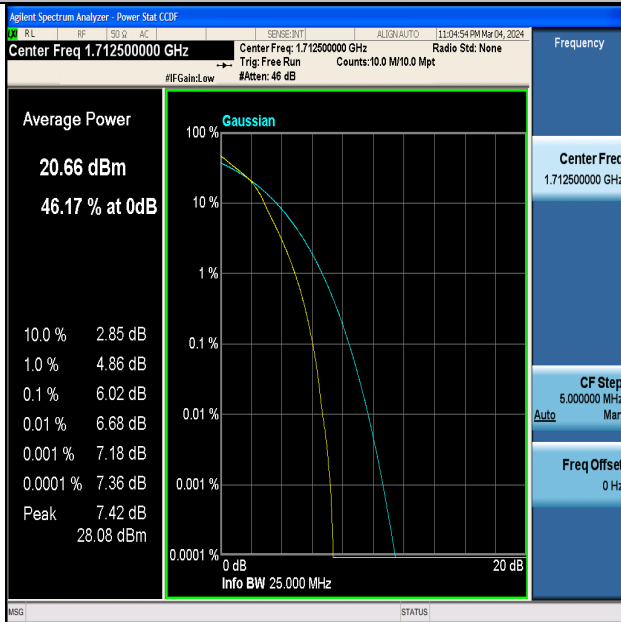


Band4-5MHz-16QAM-19975-1RB#0-PASS

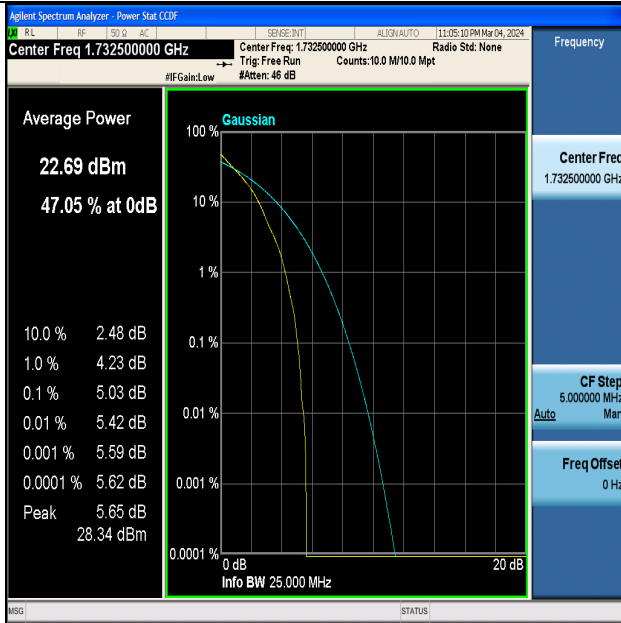




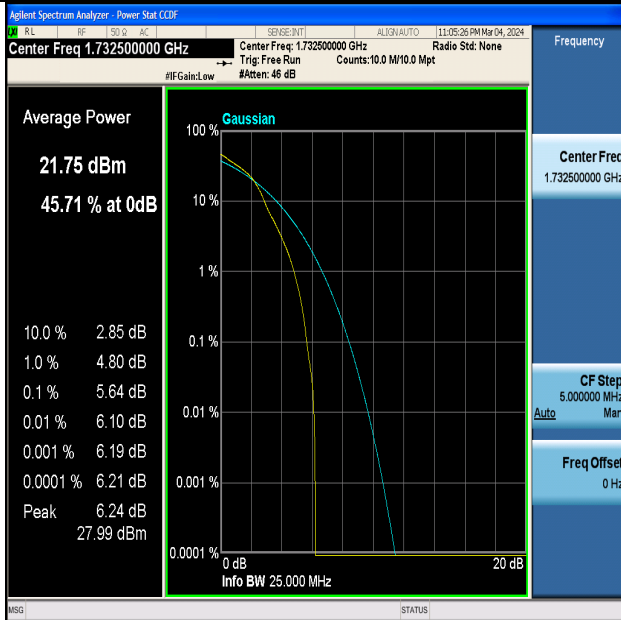
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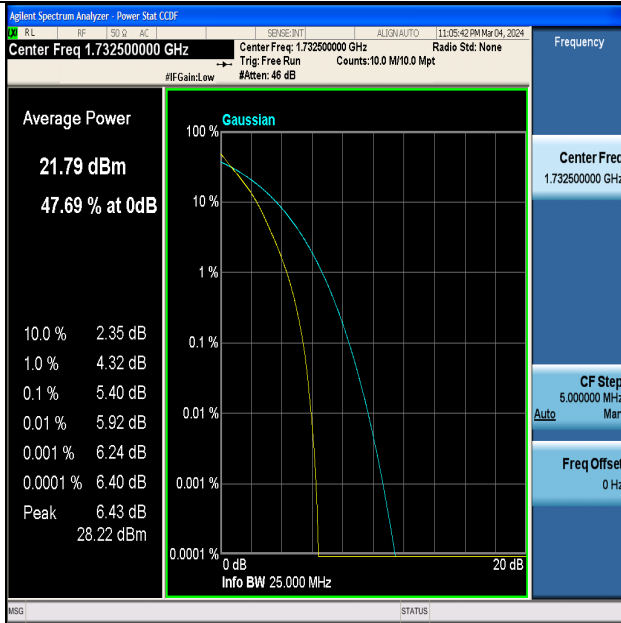
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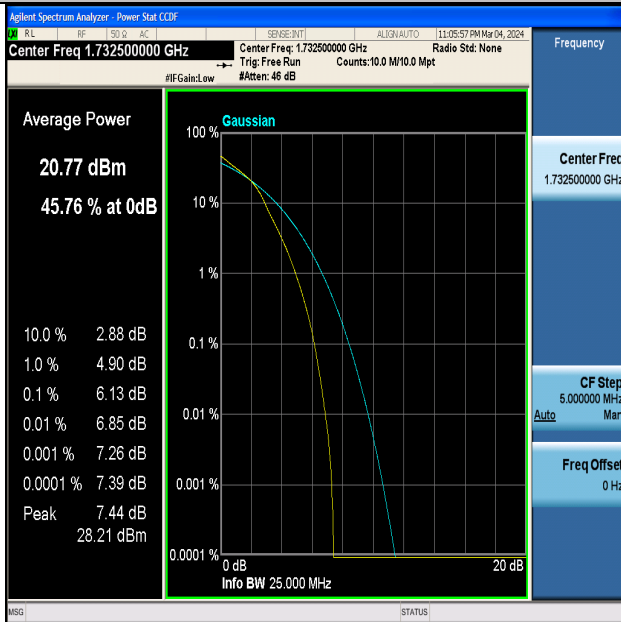
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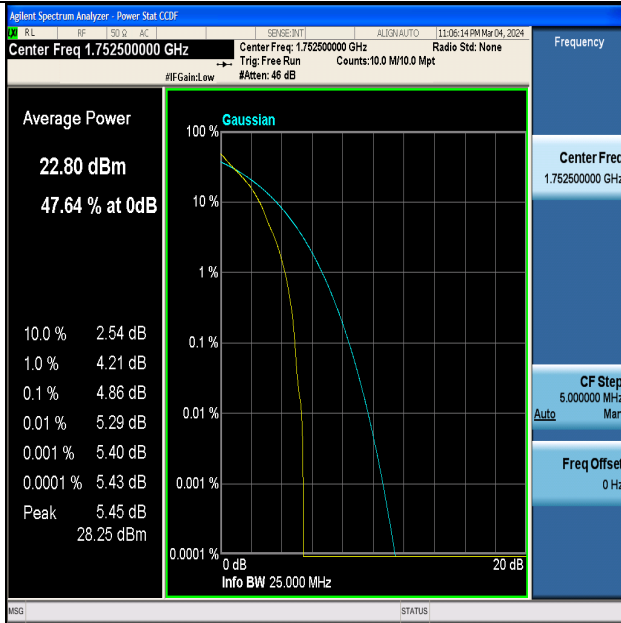
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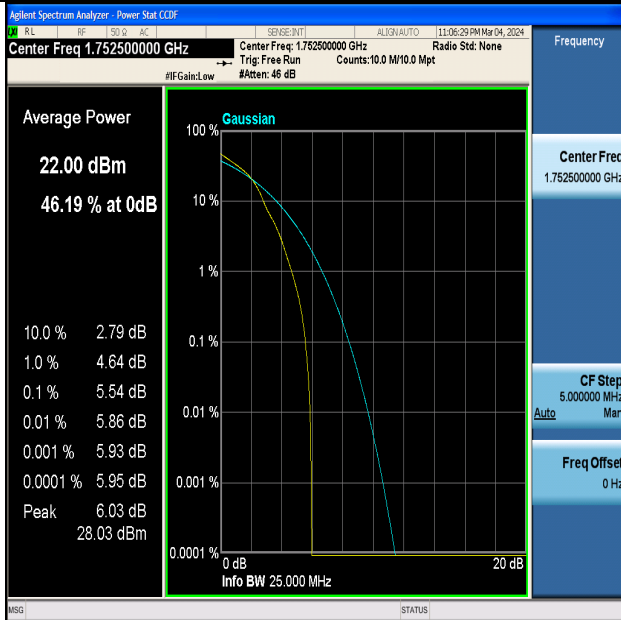
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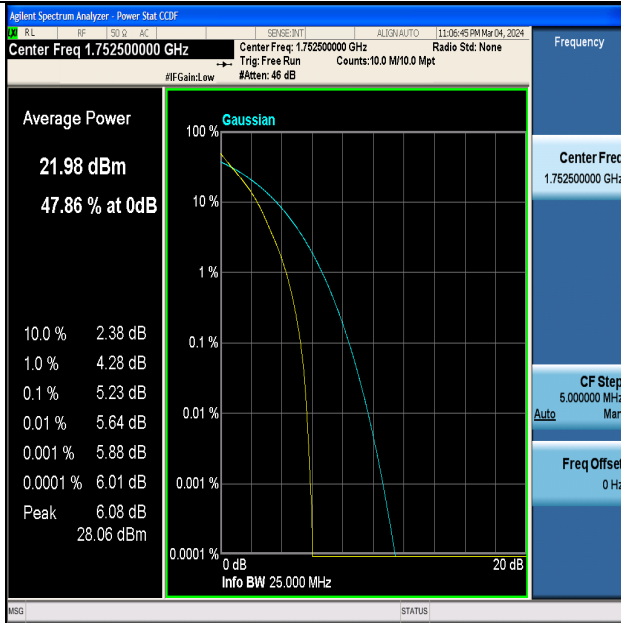
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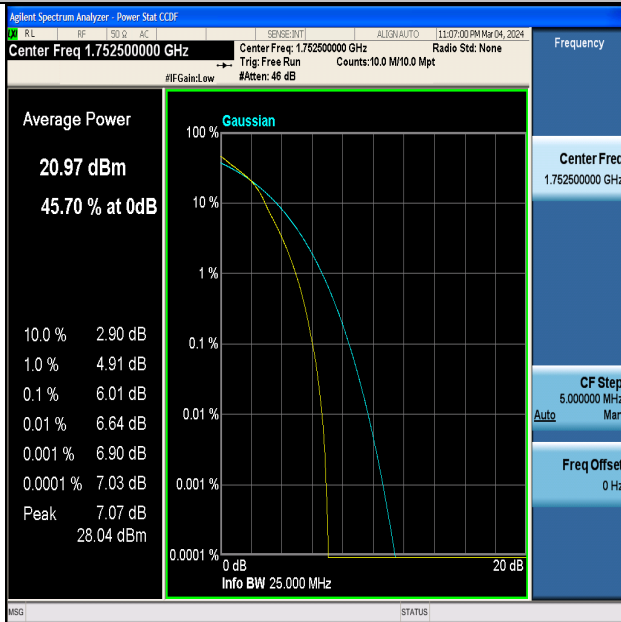
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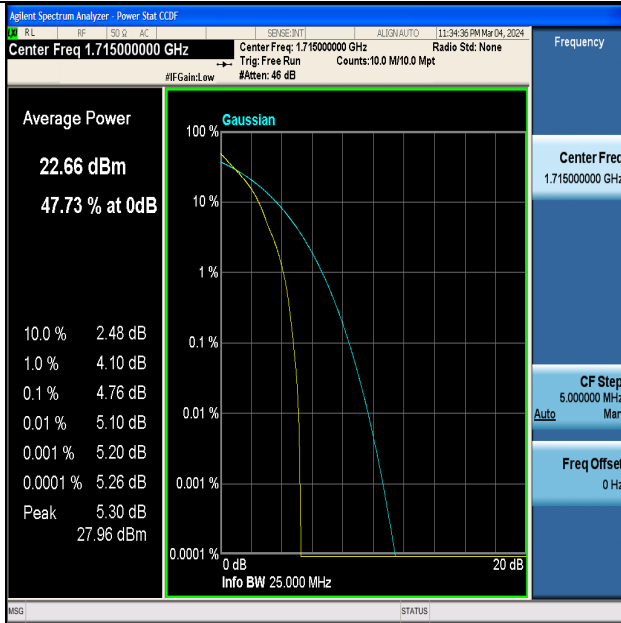
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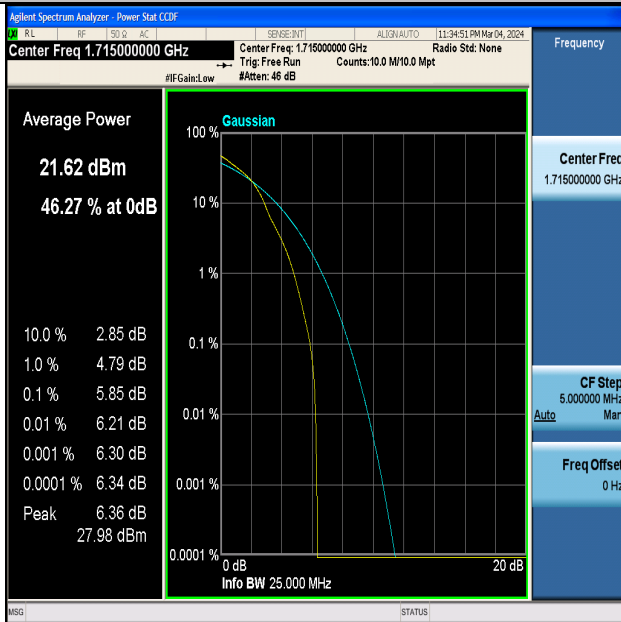
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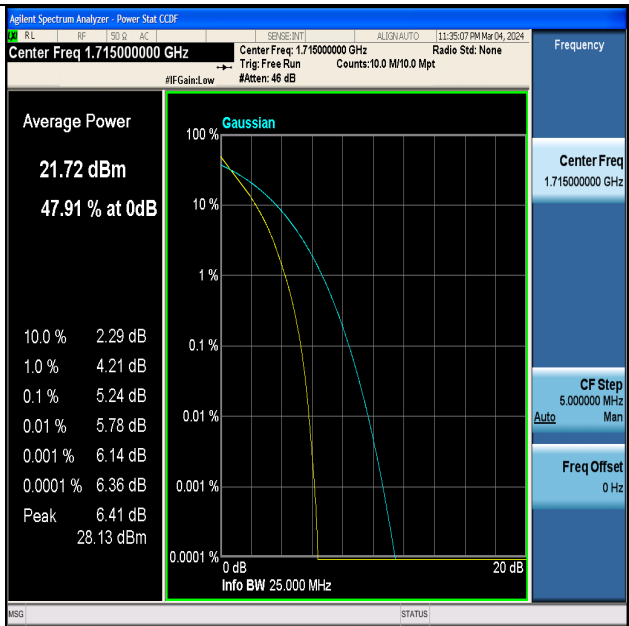
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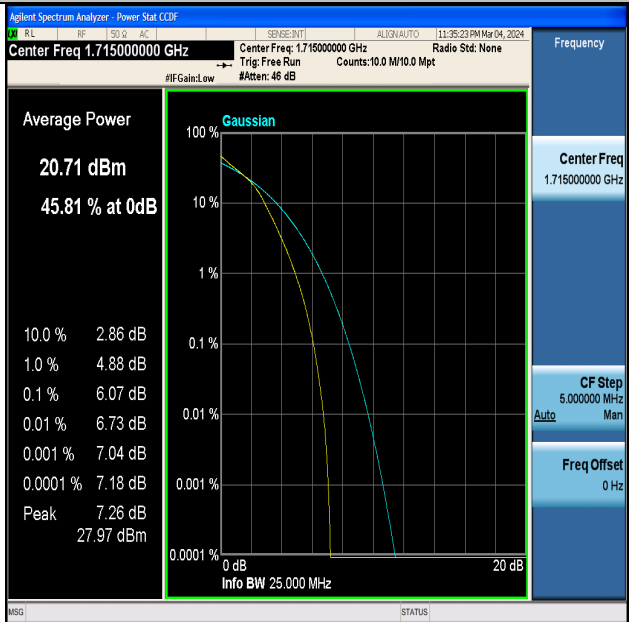
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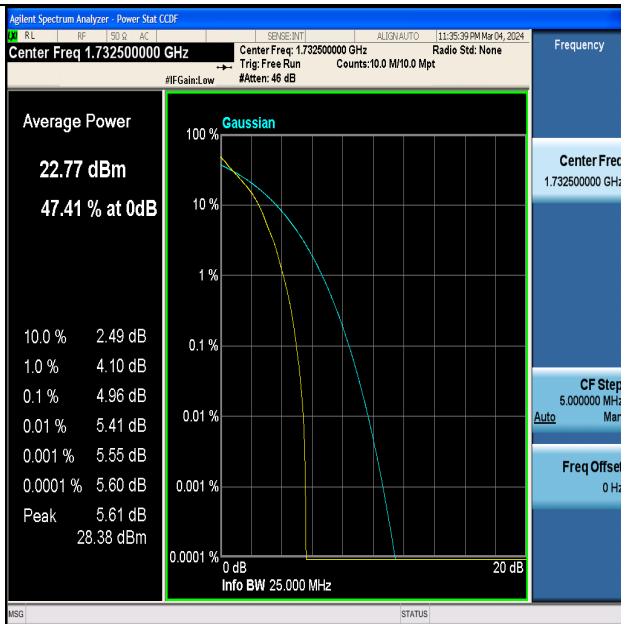
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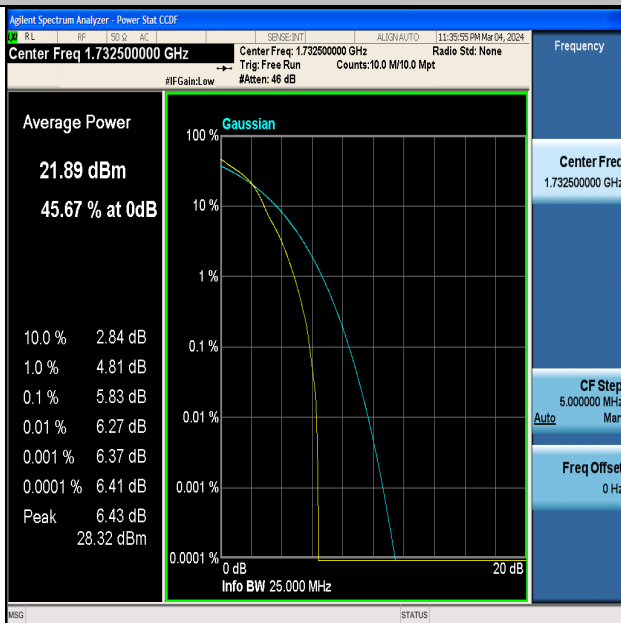
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Band4-10MHz-16QAM-20000-50RB#0-PASS

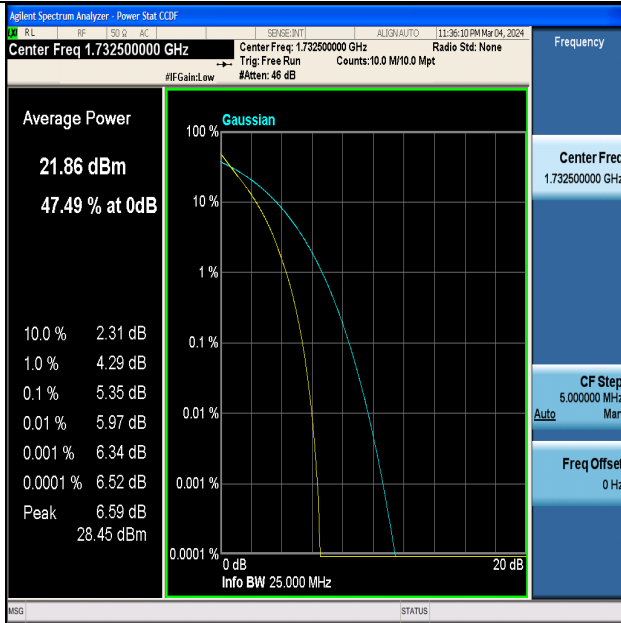


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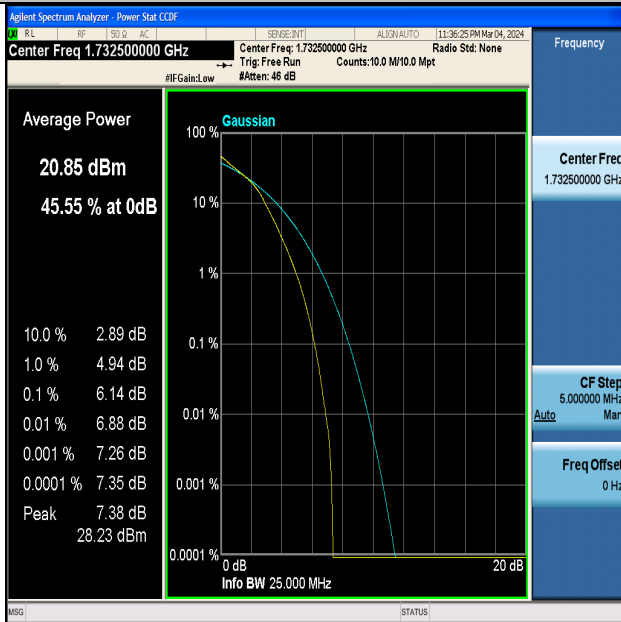


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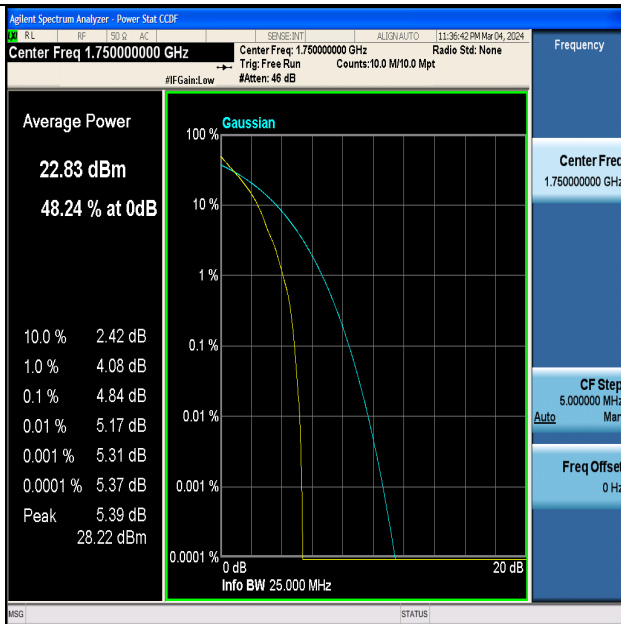




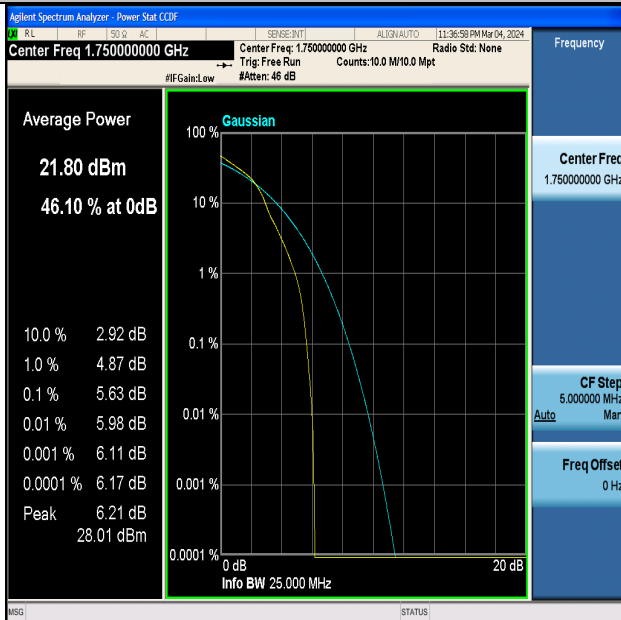
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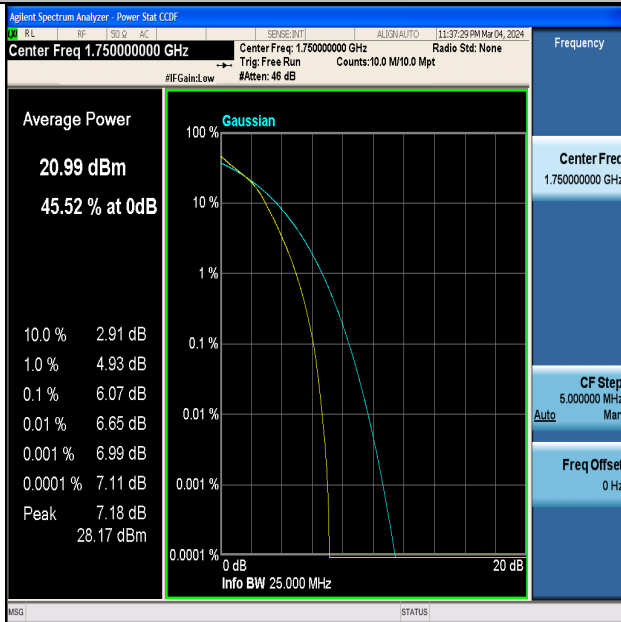
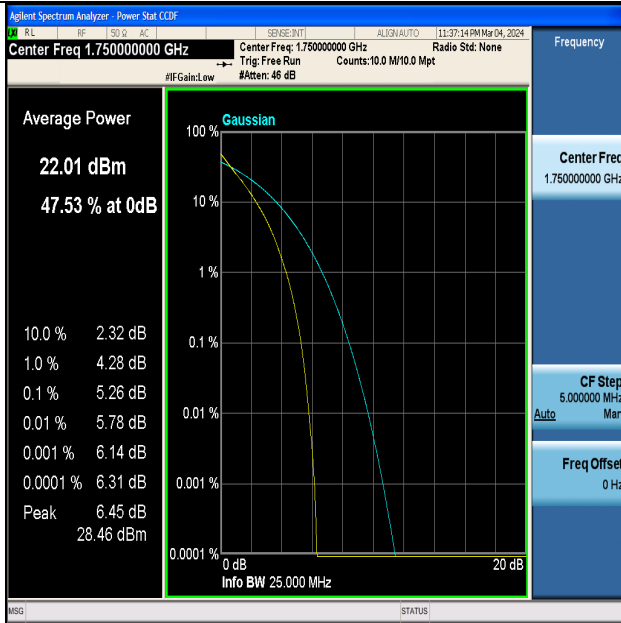
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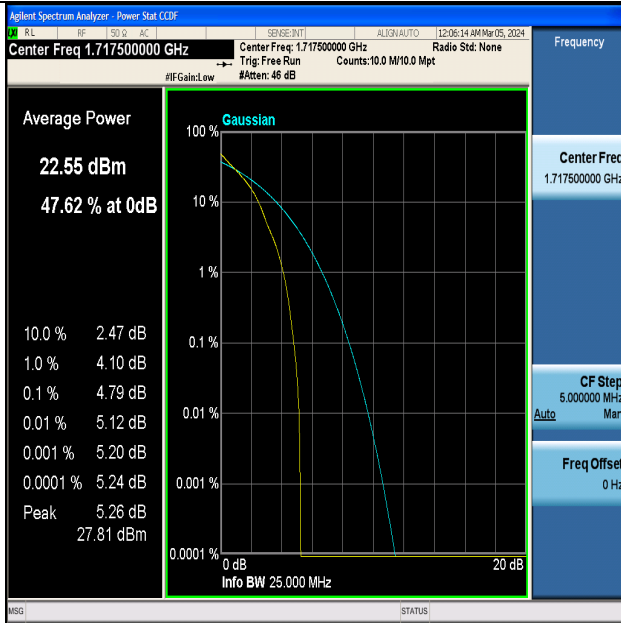


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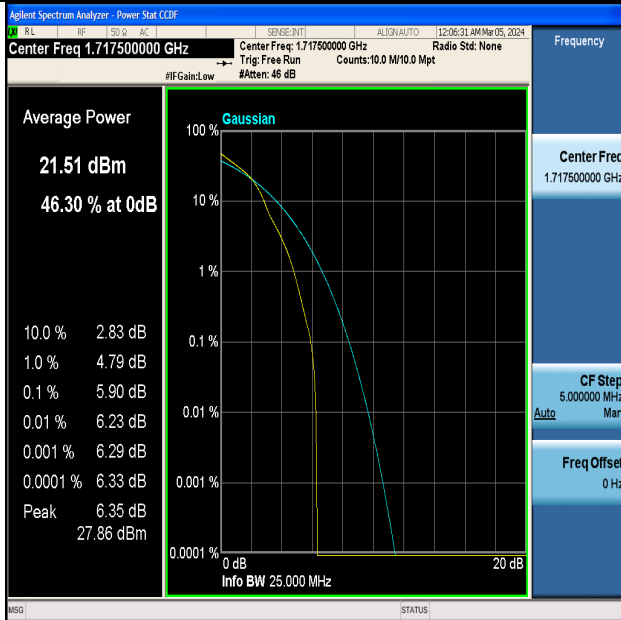


Band4-10MHz-16QAM-20350-1RB#0-PASS

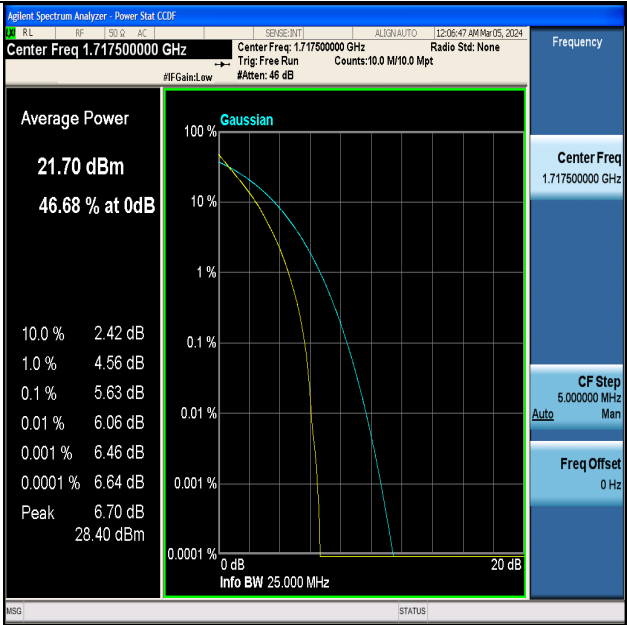




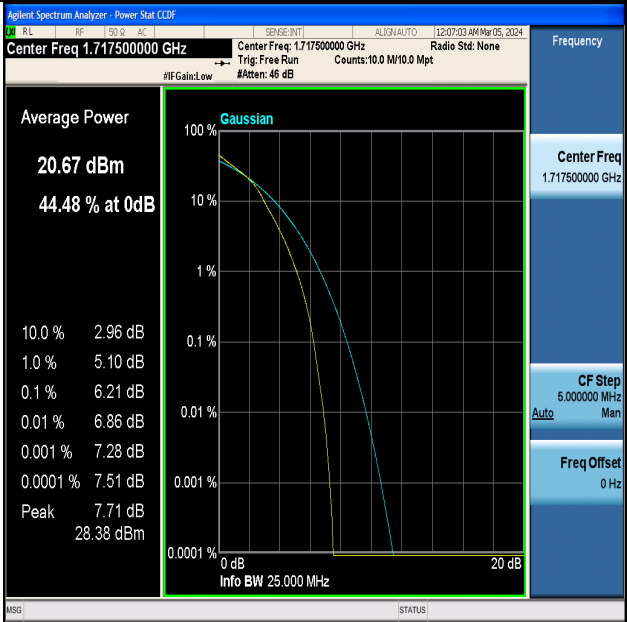
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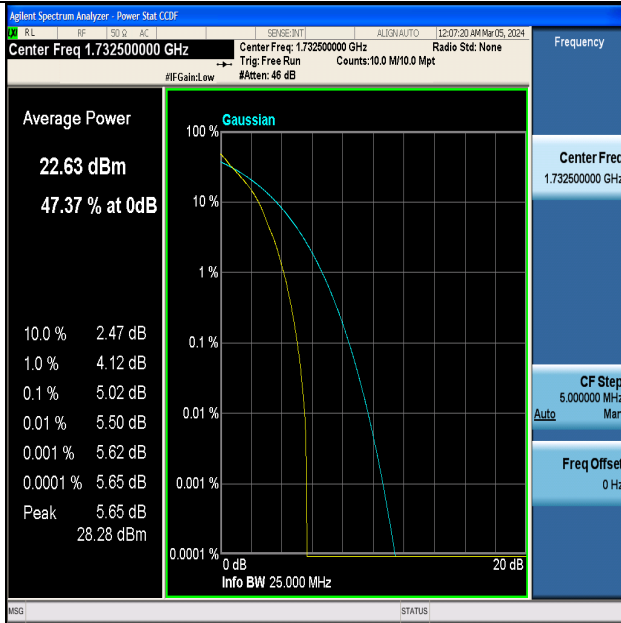
Band4-15MHz-16QAM-20025-1RB#0-PASS



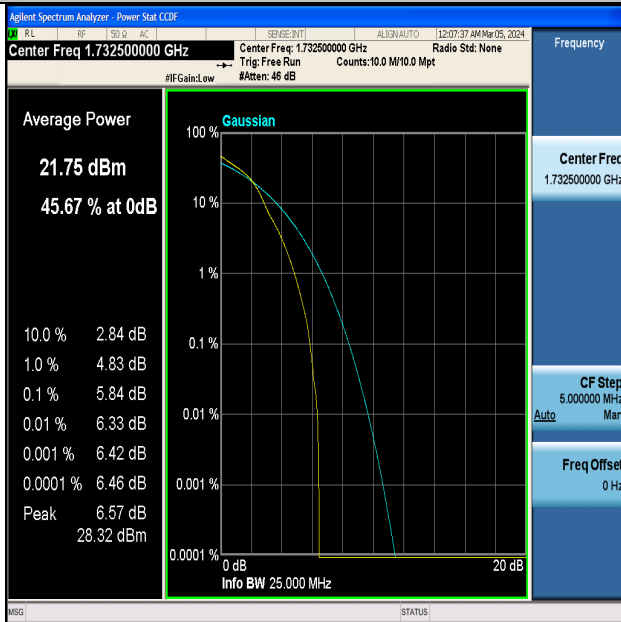
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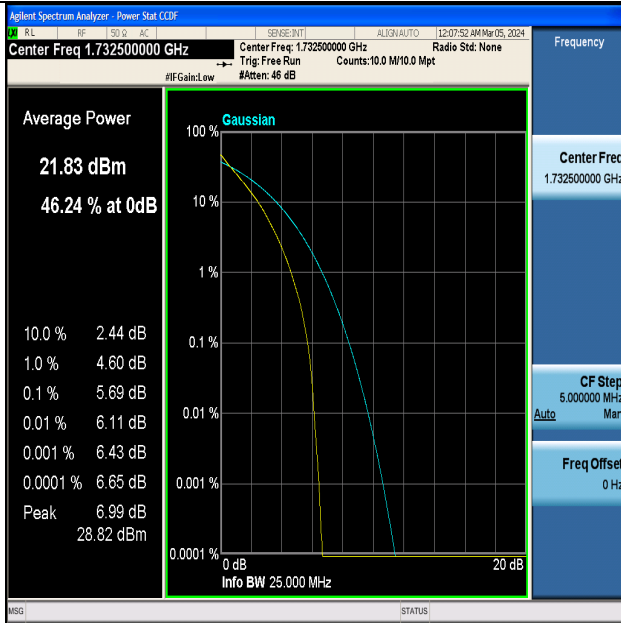
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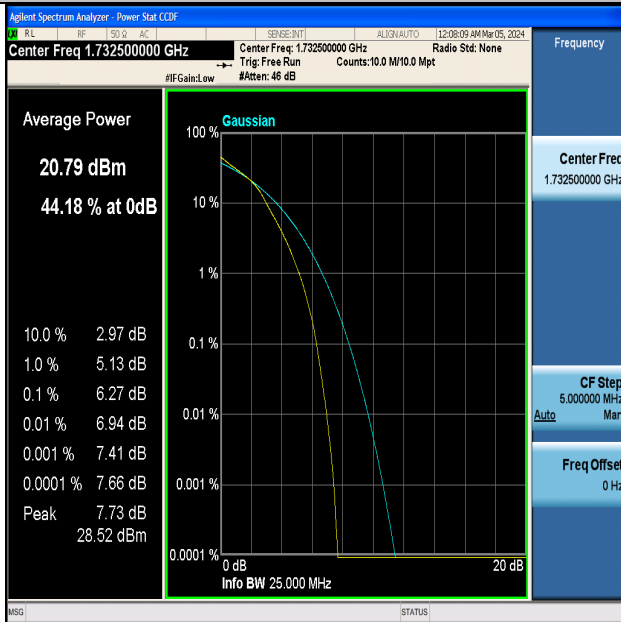
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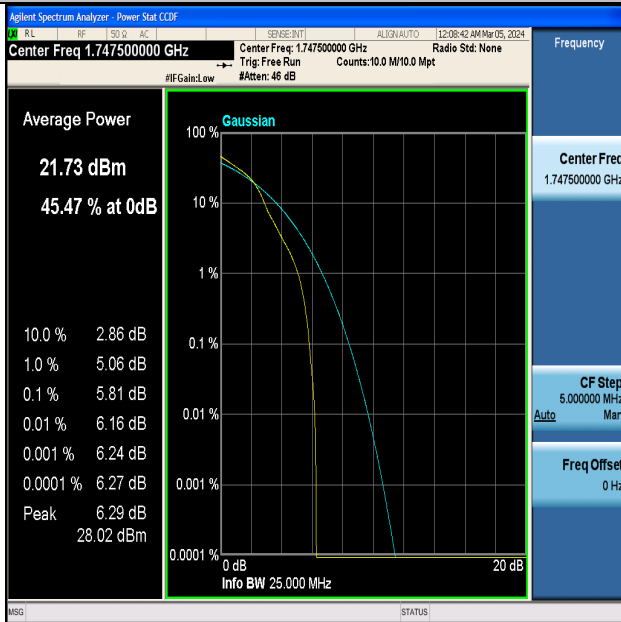
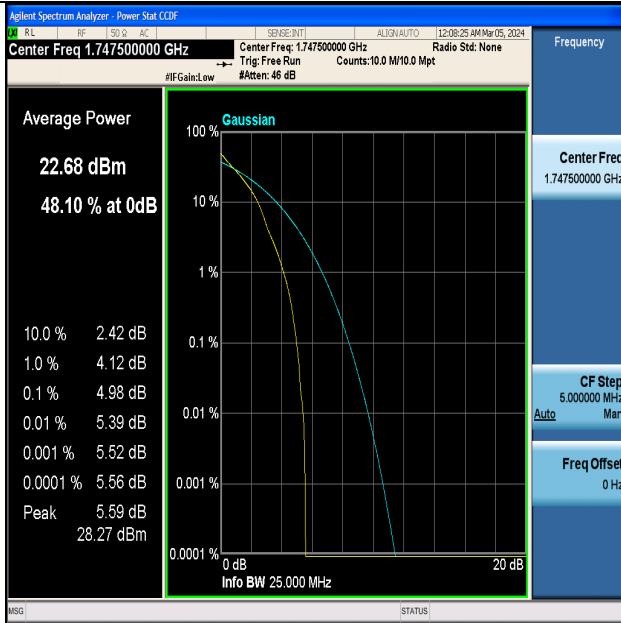
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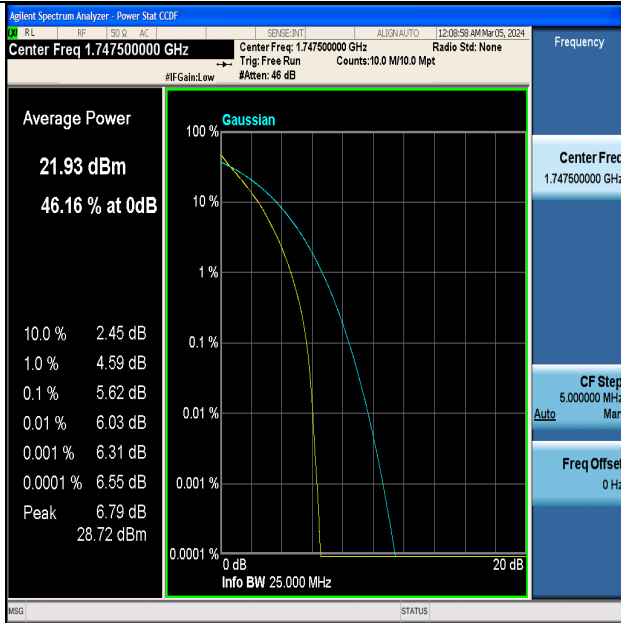
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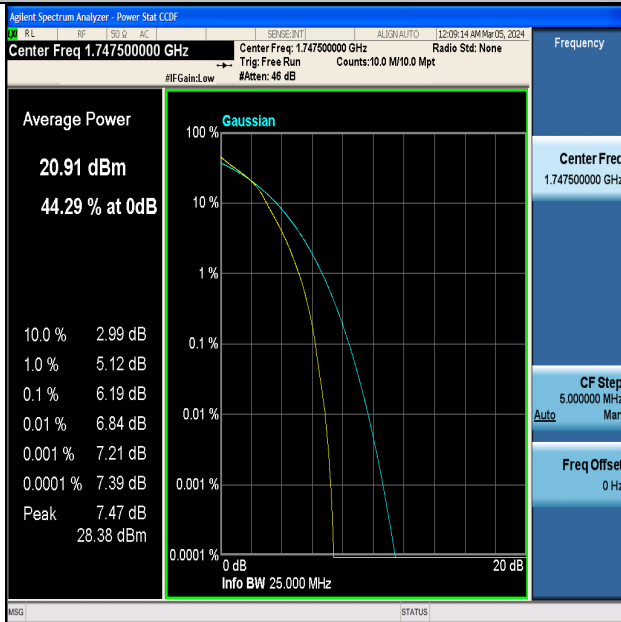
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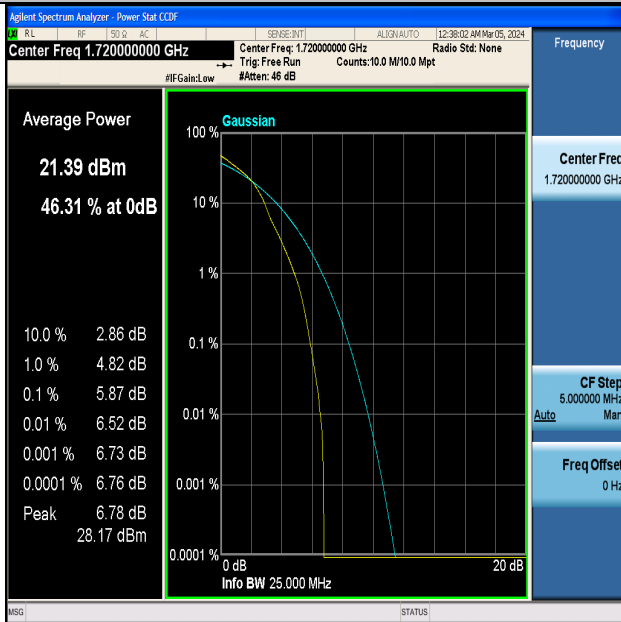
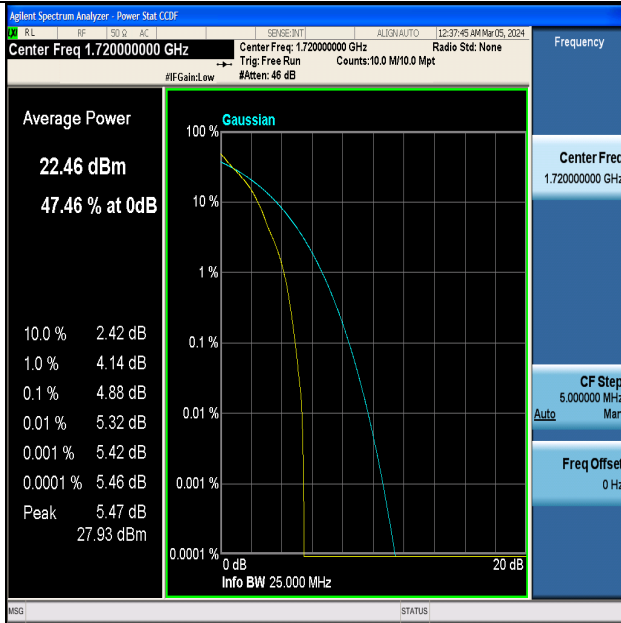


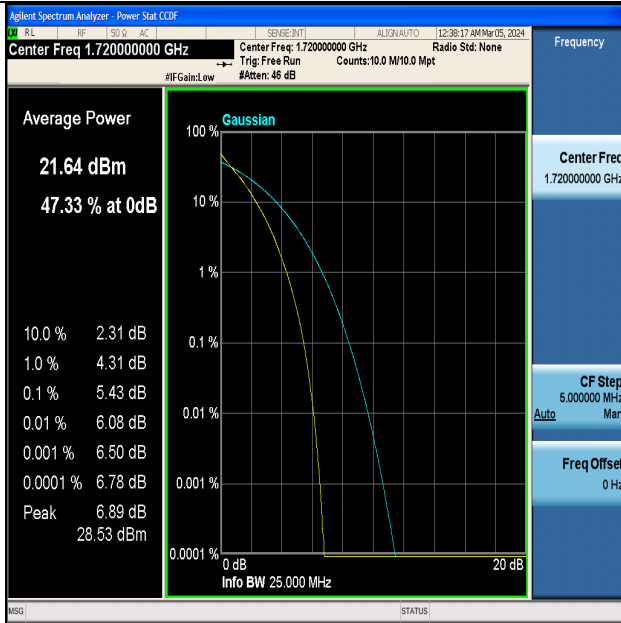


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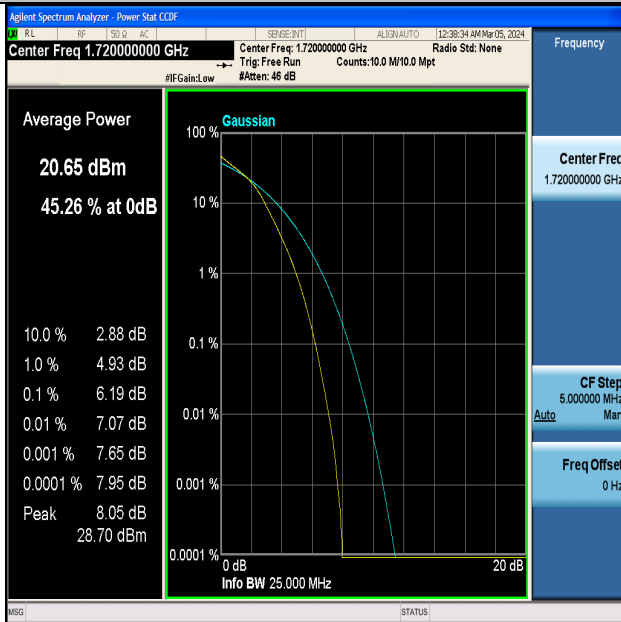


Band4-15MHz-16QAM-20325-75RB#0-PASS

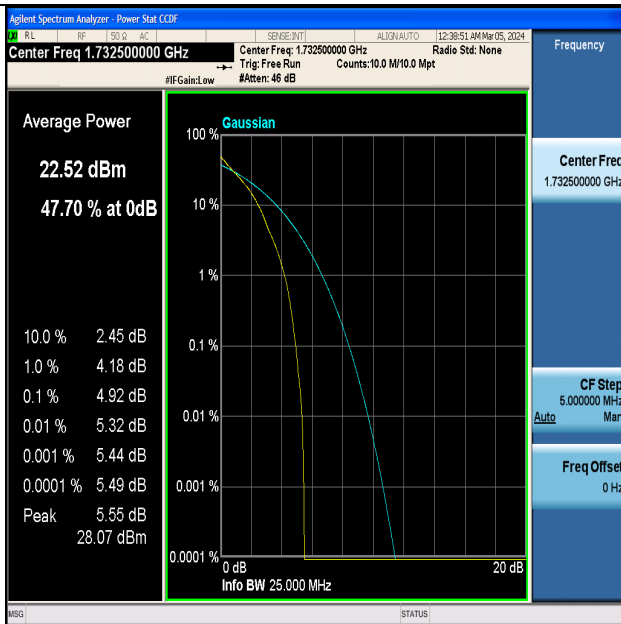




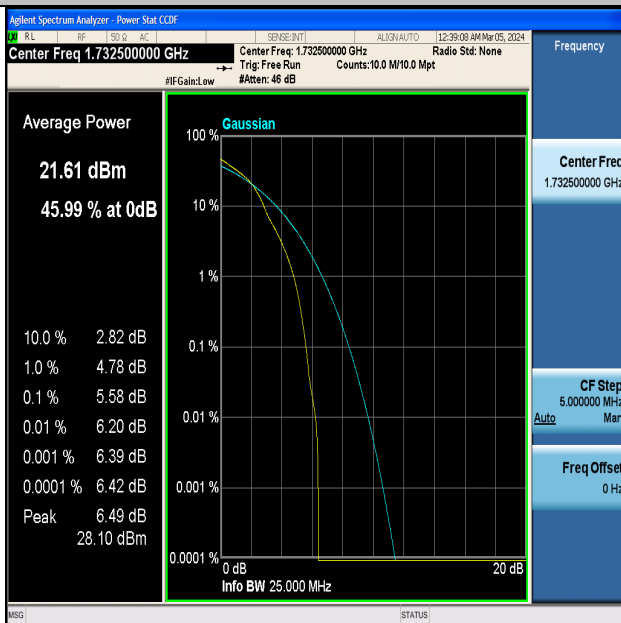
Band4-20MHz-QPSK-20050-100RB#0-PASS



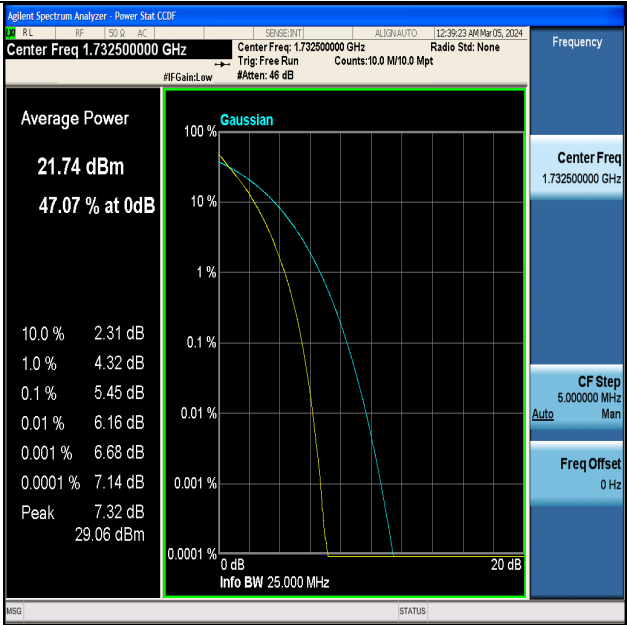
Band4-20MHz-16QAM-20050-100RB#0-PASS



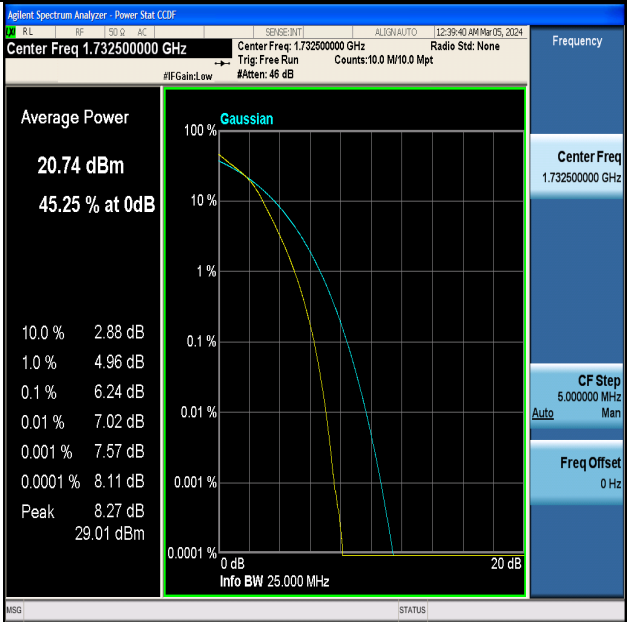
Band4-20MHz-QPSK-20175-1RB#0-PASS



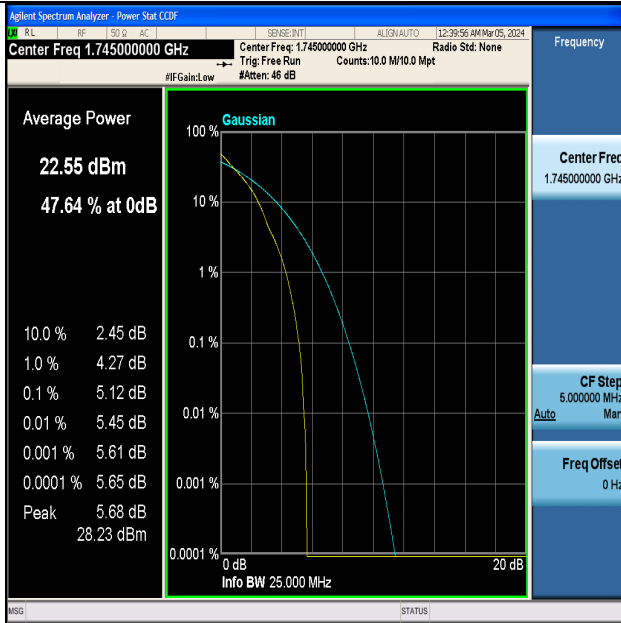
Band4-20MHz-16QAM-20175-1RB#0-PASS



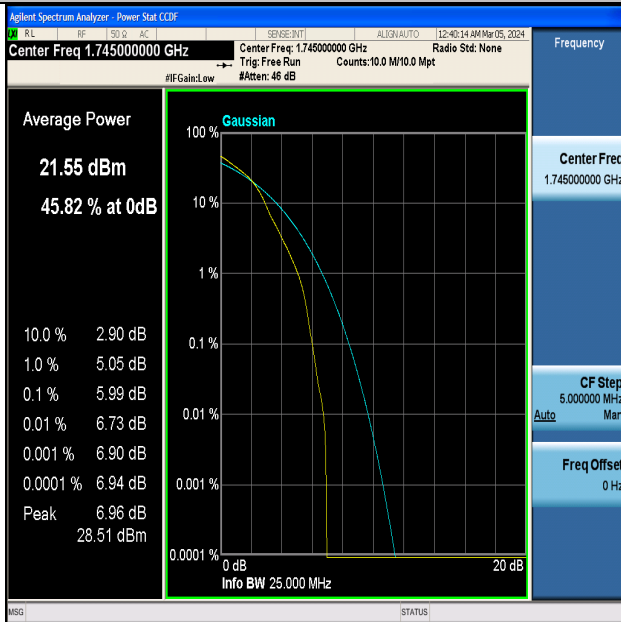
**Band4-20MHz-QPSK-20175-100RB#0-PASS**



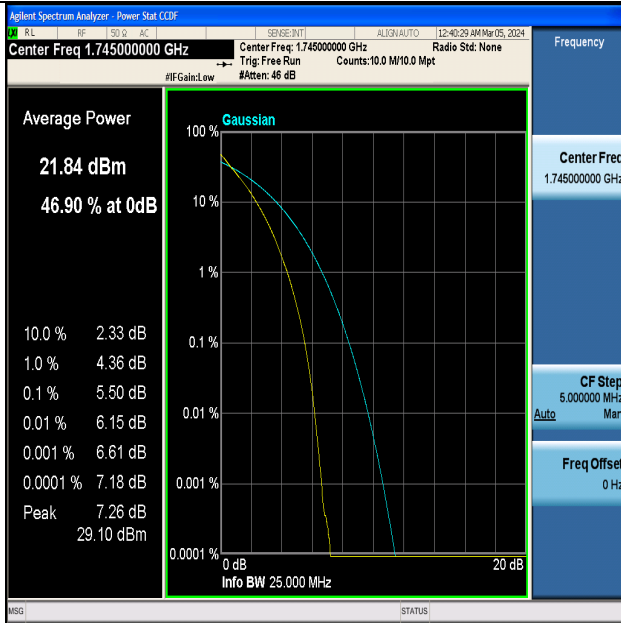
**Band4-20MHz-16QAM-20175-100RB#0-PASS**



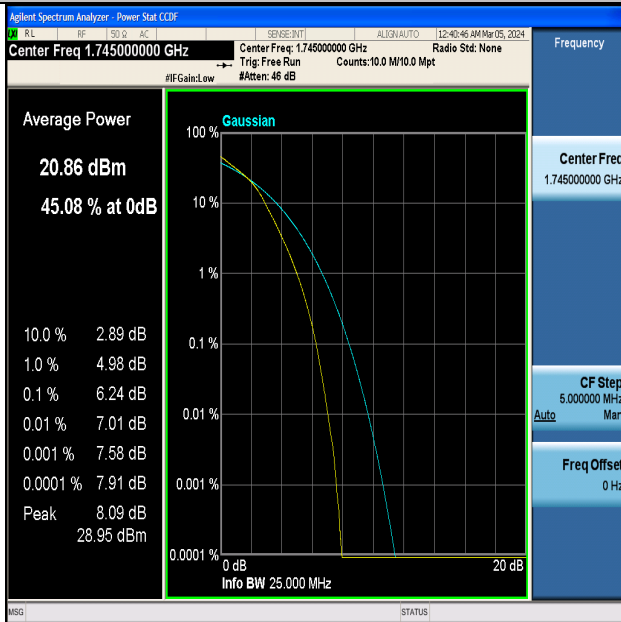
Band4-20MHz-QPSK-20300-1RB#0-PASS



Band4-20MHz-16QAM-20300-1RB#0-PASS



Band4-20MHz-QPSK-20300-100RB#0-PASS



Band4-20MHz-16QAM-20300-100RB#0-PASS

### 1.3. Appendix C: 26dB Bandwidth and Occupied Bandwidth

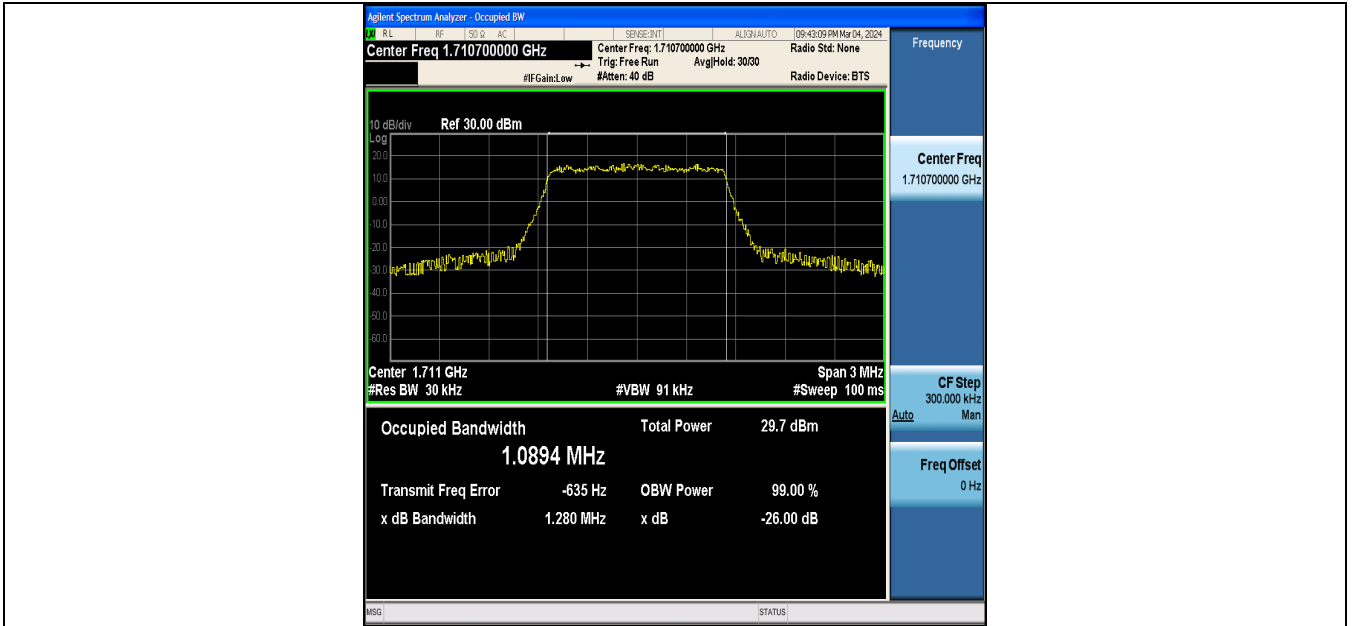
#### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0894	1.280	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0953	1.310	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0941	1.284	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0954	1.332	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0956	1.311	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0888	1.270	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6854	2.894	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6770	2.875	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6918	2.893	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6830	2.888	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6922	2.894	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6866	2.901	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5181	5.188	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5159	5.122	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5085	5.154	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5241	5.199	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5168	5.144	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5314	5.197	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9970	10.14	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9998	10.04	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9970	10.09	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9826	10.08	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9712	10.04	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9770	10.08	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.505	15.12	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.474	15.03	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.490	15.20	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.494	15.11	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.444	15.01	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.502	15.02	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.940	19.75	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.999	19.73	PASS

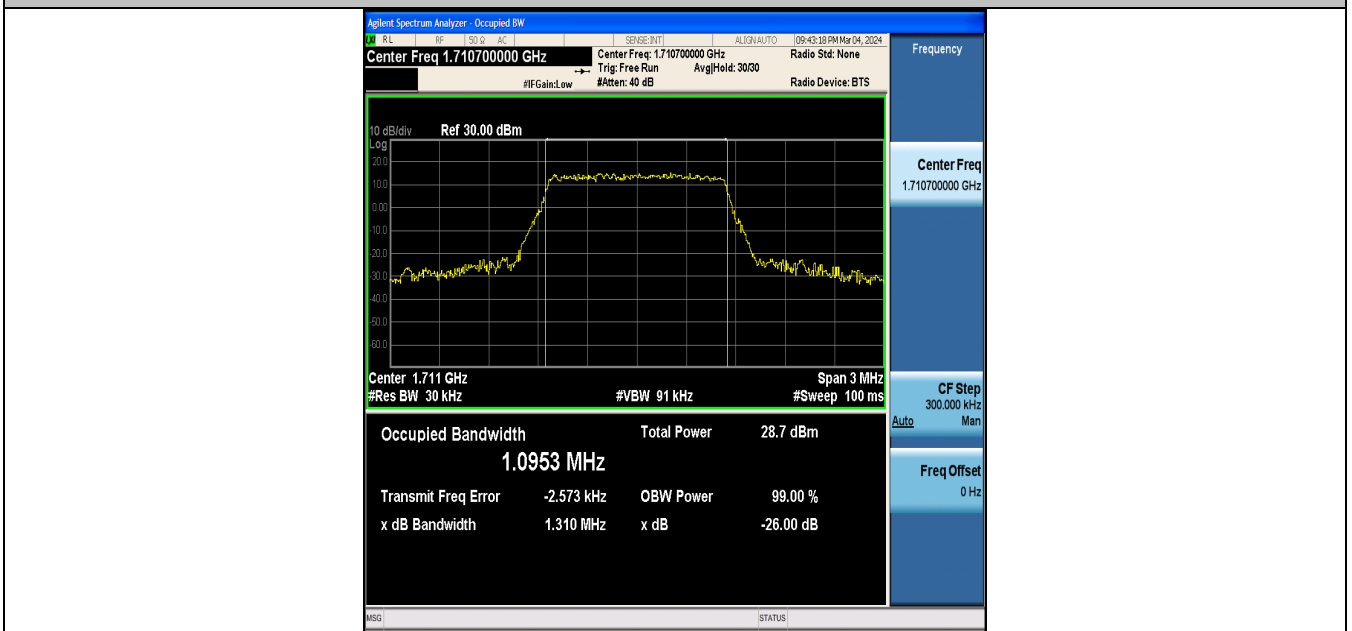


Band4	20MHz	QPSK	20175	100RB#0	17.977	19.92	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.950	19.72	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.942	19.71	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.973	19.85	PASS

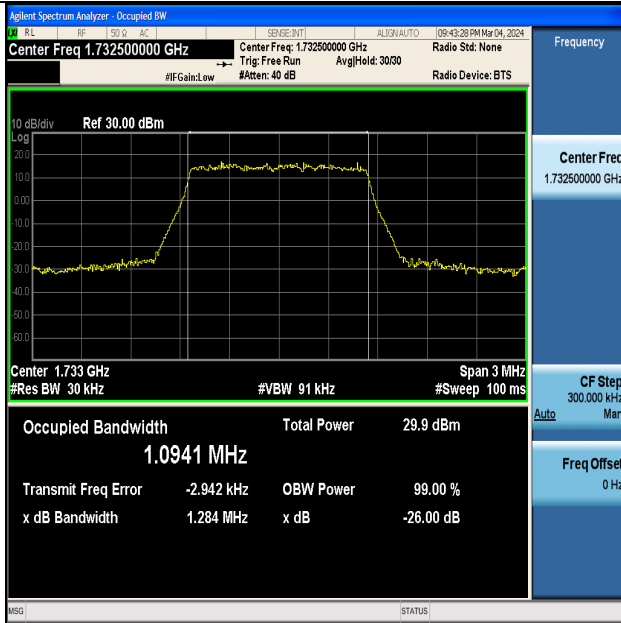
# Test Graphs



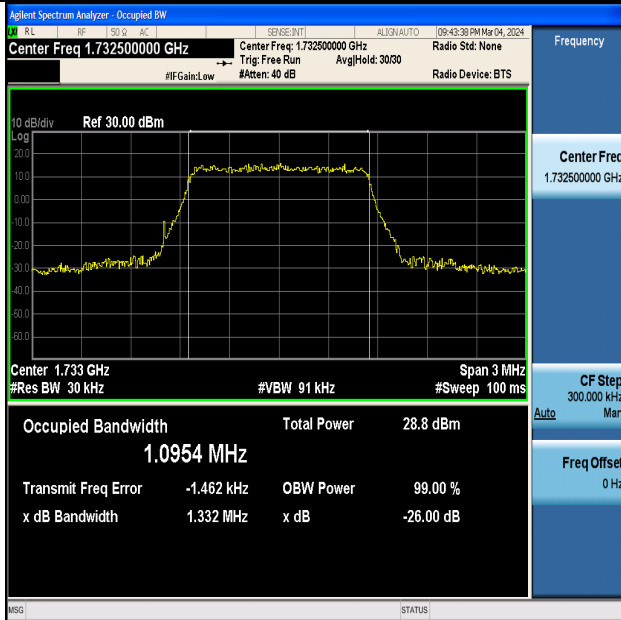
Band4-1.4MHz-QPSK-19957-6RB#0-PASS



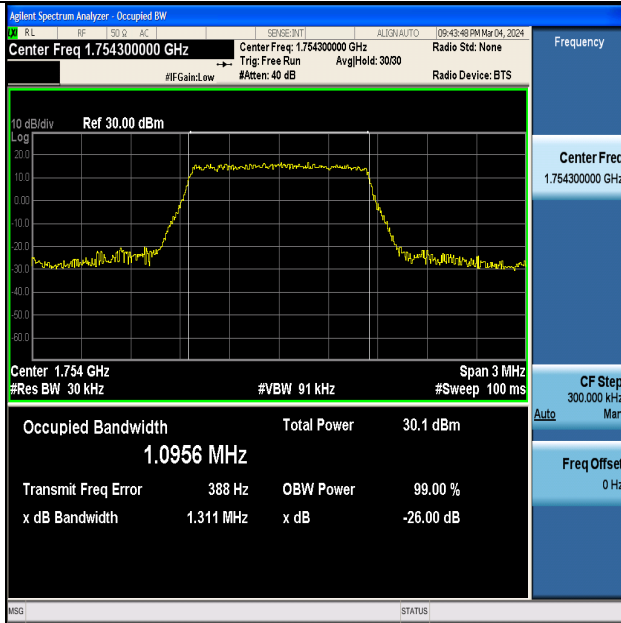
Band4-1.4MHz-16QAM-19957-6RB#0-PASS



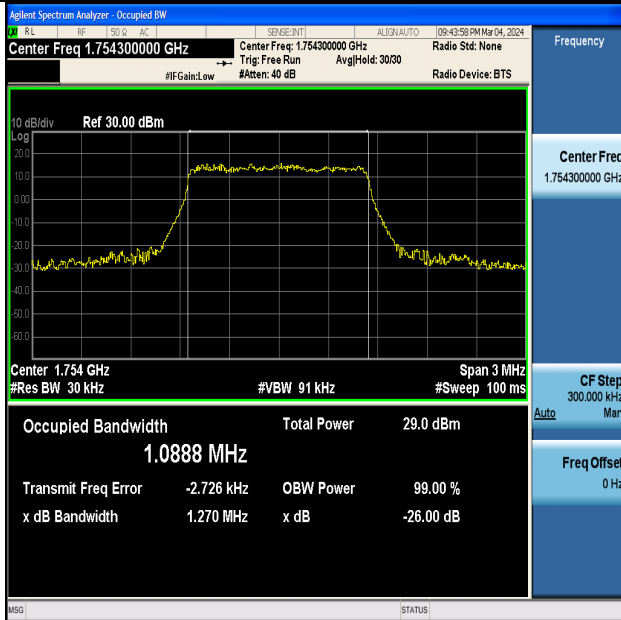
Band4-1.4MHz-QPSK-20175-6RB#0-PASS



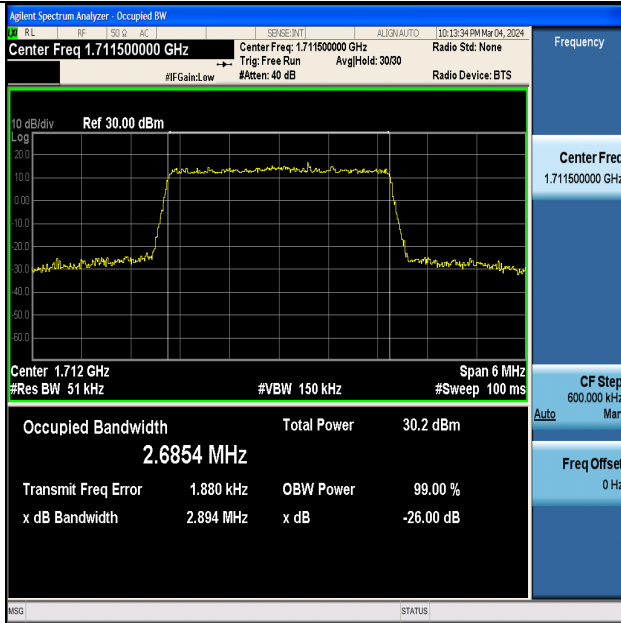
Band4-1.4MHz-16QAM-20175-6RB#0-PASS



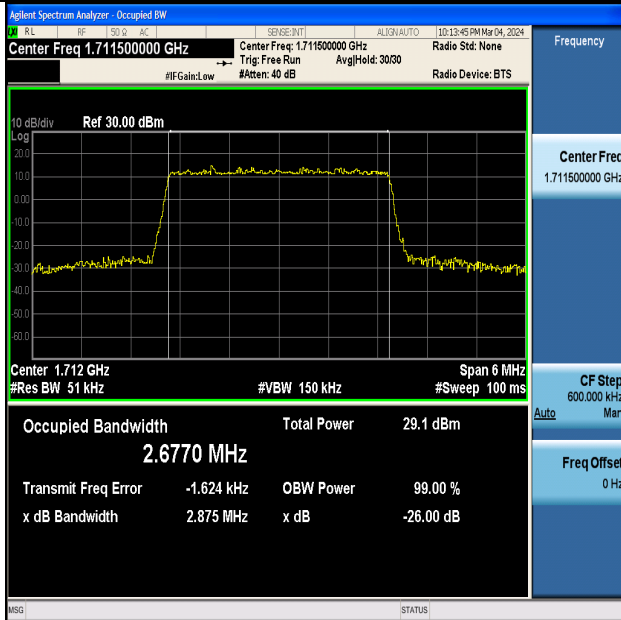
Band4-1.4MHz-QPSK-20393-6RB#0-PASS



Band4-1.4MHz-16QAM-20393-6RB#0-PASS



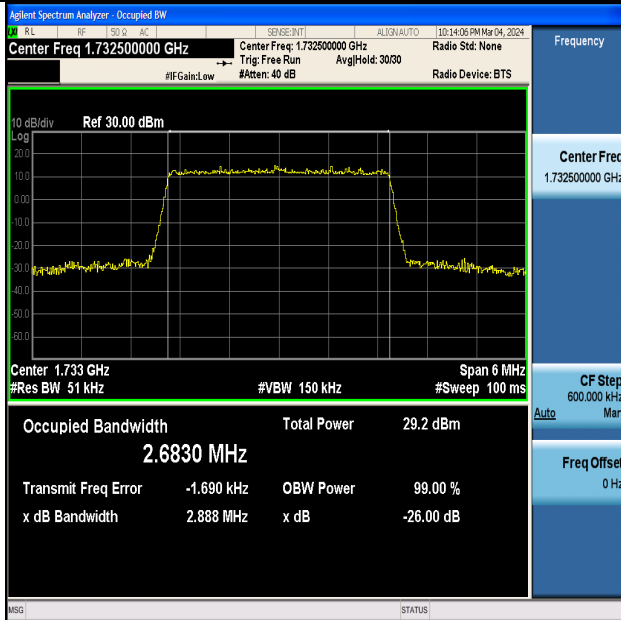
Band4-3MHz-QPSK-19965-15RB#0-PASS



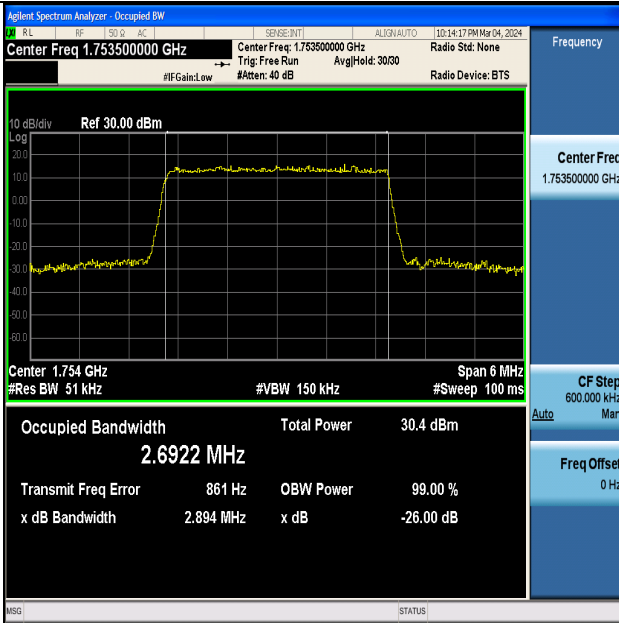
Band4-3MHz-16QAM-19965-15RB#0-PASS



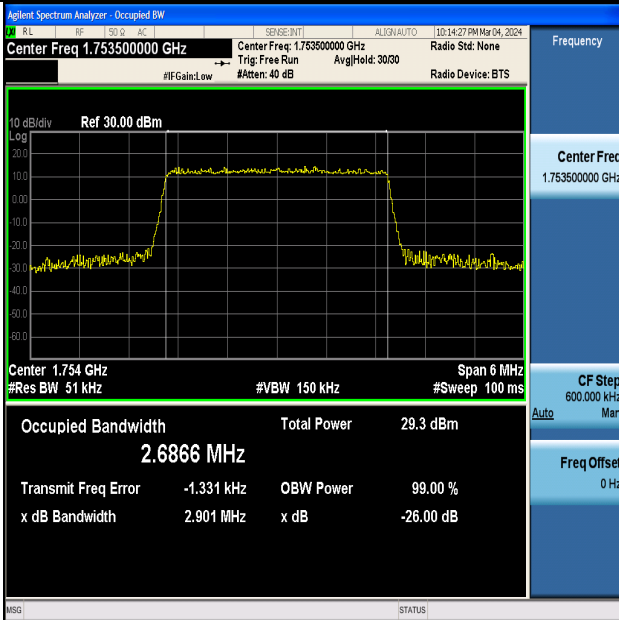
Band4-3MHz-QPSK-20175-15RB#0-PASS



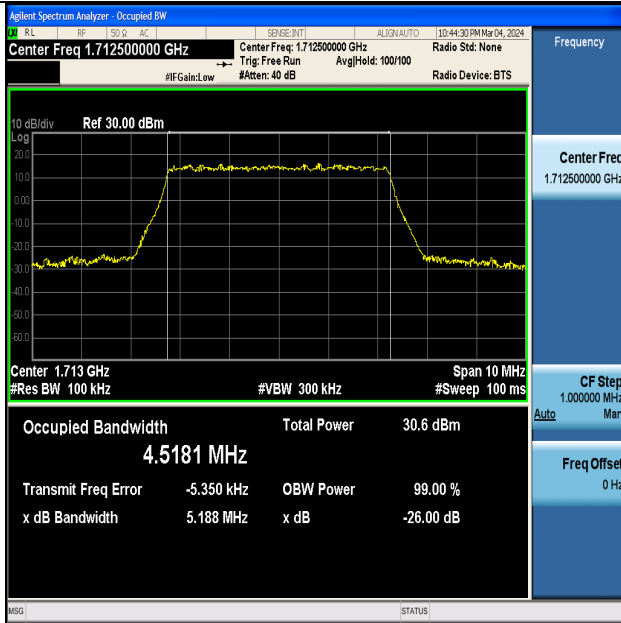
Band4-3MHz-16QAM-20175-15RB#0-PASS



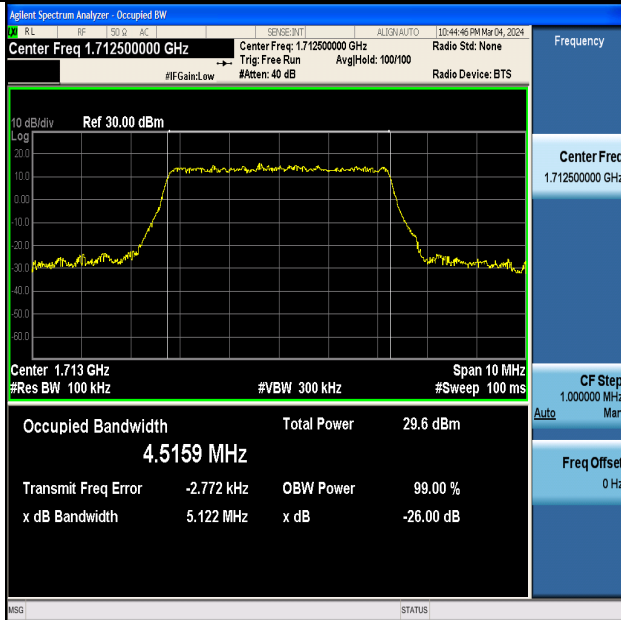
Band4-3MHz-QPSK-20385-15RB#0-PASS



Band4-3MHz-16QAM-20385-15RB#0-PASS

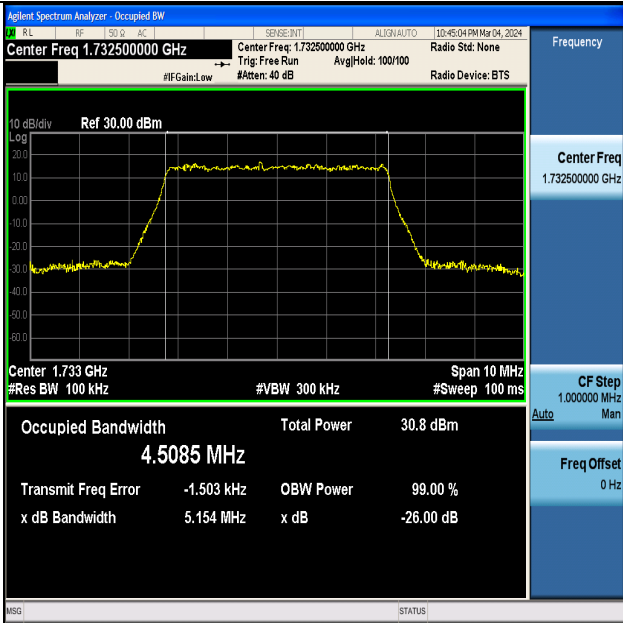


Band4-5MHz-QPSK-19975-25RB#0-PASS

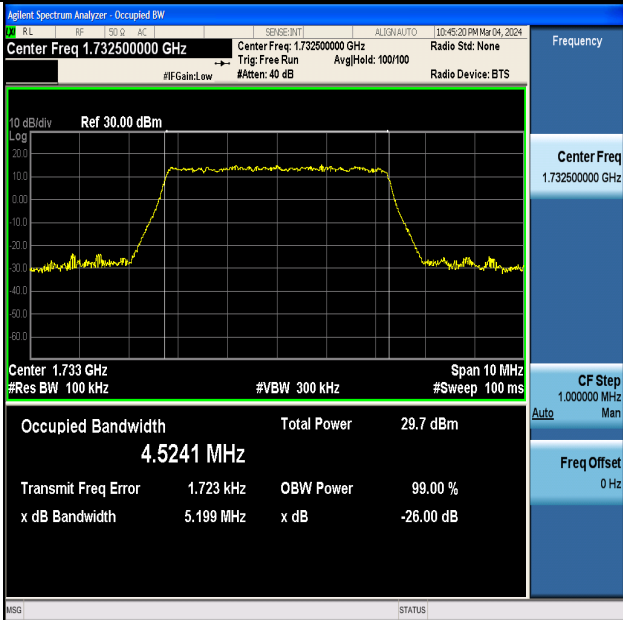


Band4-5MHz-16QAM-19975-25RB#0-PASS

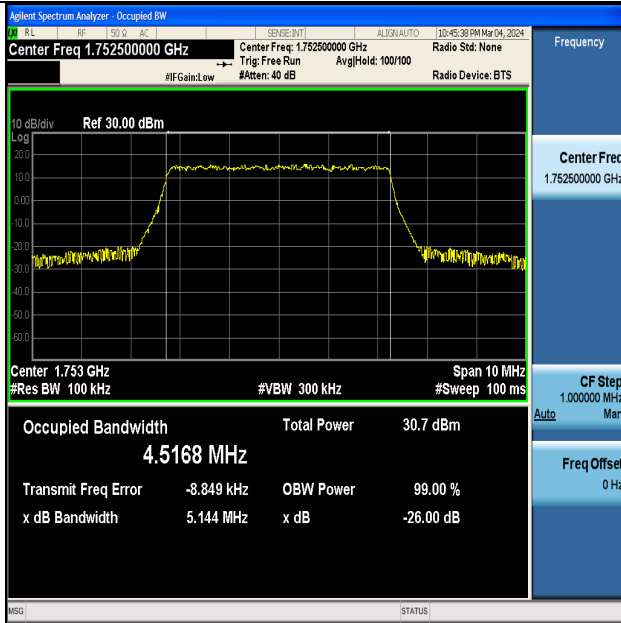




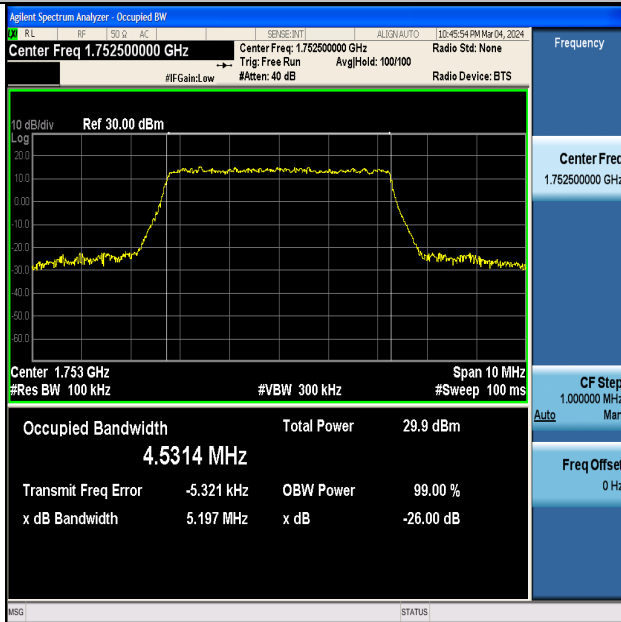
Band4-5MHz-QPSK-20175-25RB#0-PASS



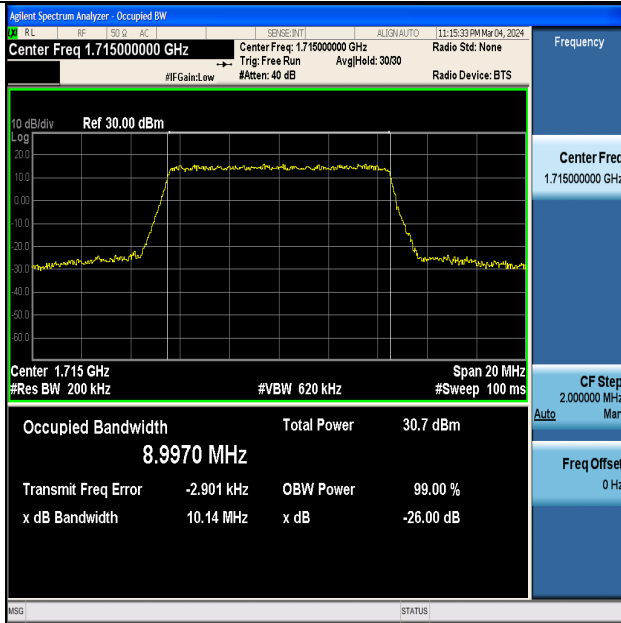
Band4-5MHz-16QAM-20175-25RB#0-PASS



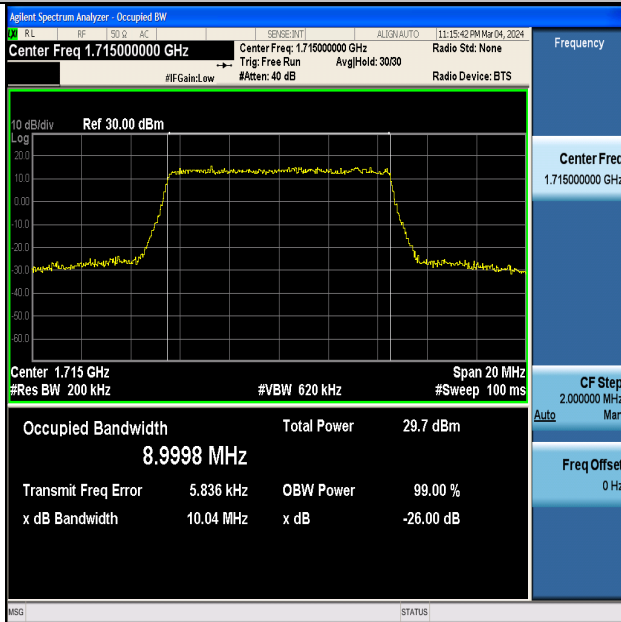
Band4-5MHz-QPSK-20375-25RB#0-PASS



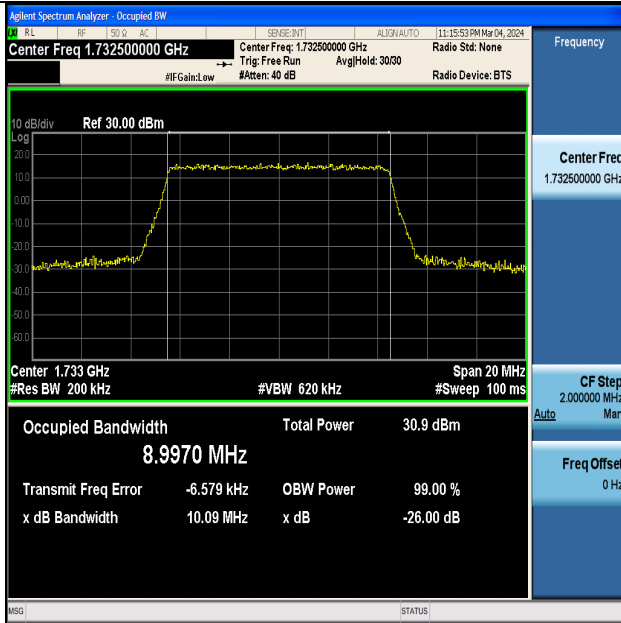
Band4-5MHz-16QAM-20375-25RB#0-PASS



Band4-10MHz-QPSK-20000-50RB#0-PASS



Band4-10MHz-16QAM-20000-50RB#0-PASS



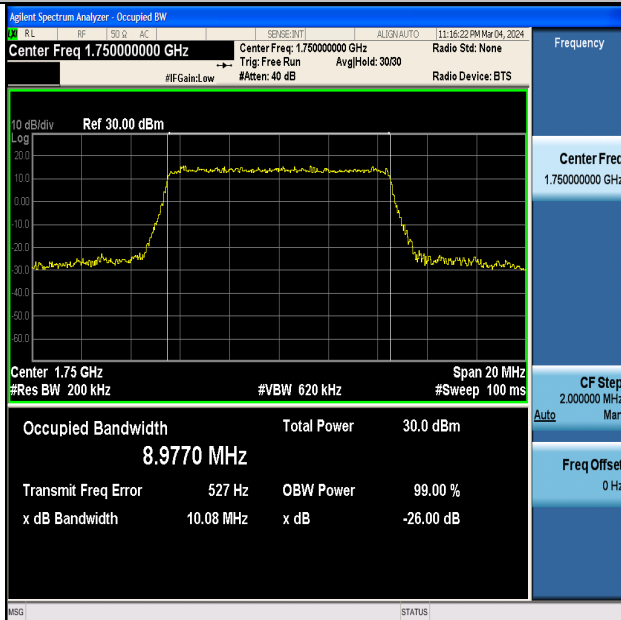
Band4-10MHz-QPSK-20175-50RB#0-PASS



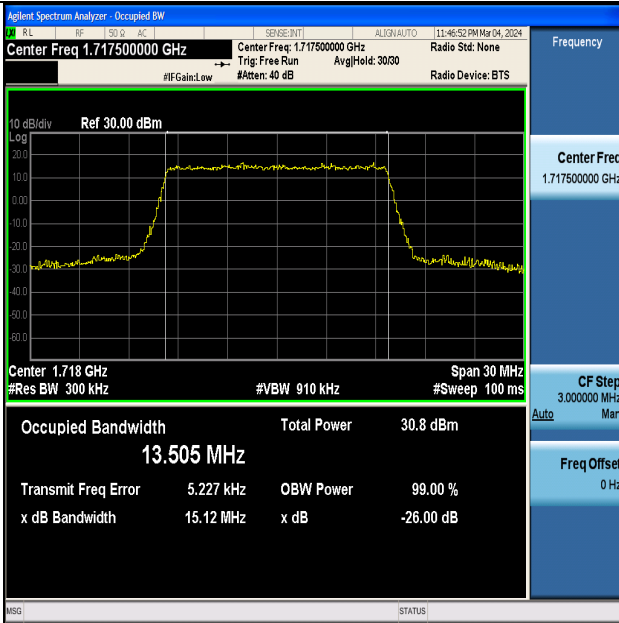
Band4-10MHz-16QAM-20175-50RB#0-PASS



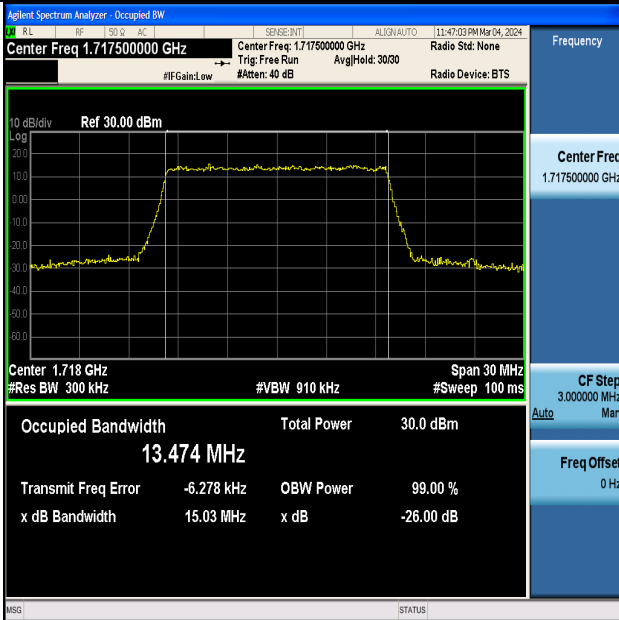
Band4-10MHz-QPSK-20350-50RB#0-PASS



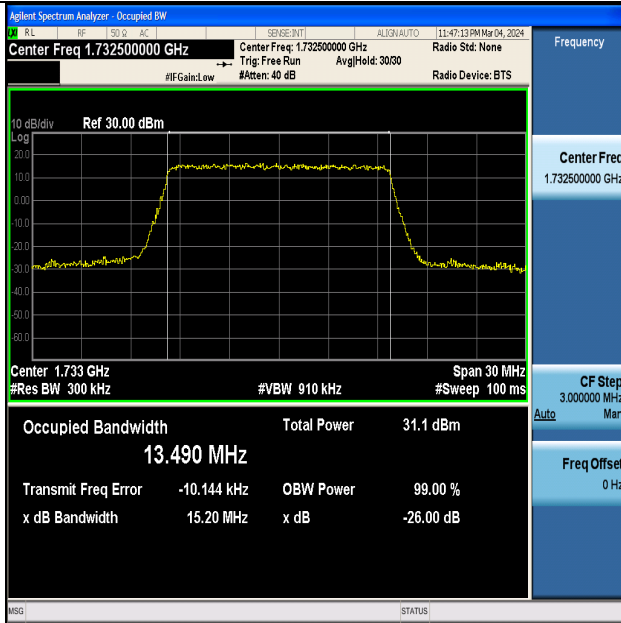
Band4-10MHz-16QAM-20350-50RB#0-PASS



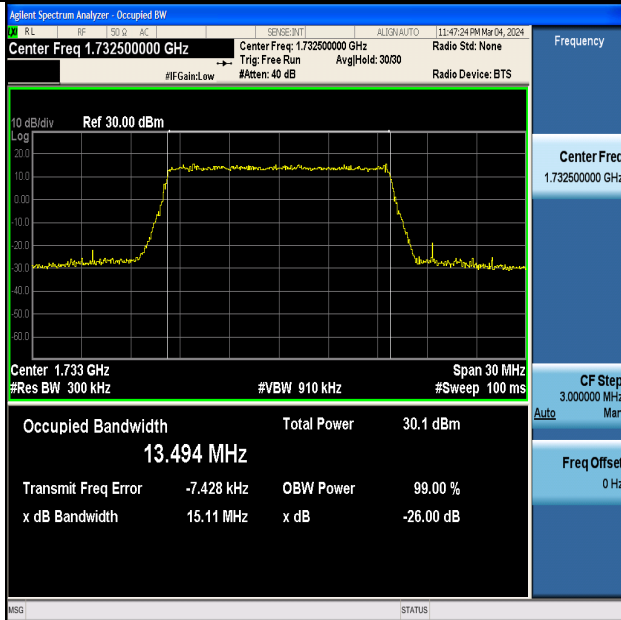
Band4-15MHz-QPSK-20025-75RB#0-PASS



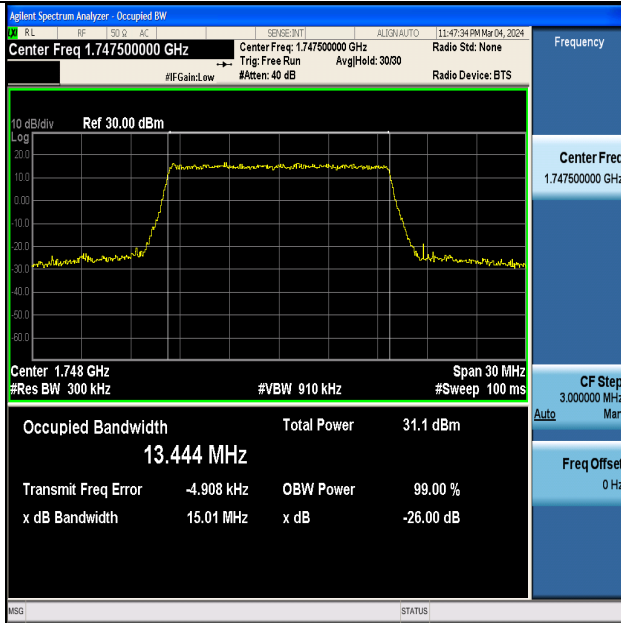
Band4-15MHz-16QAM-20025-75RB#0-PASS



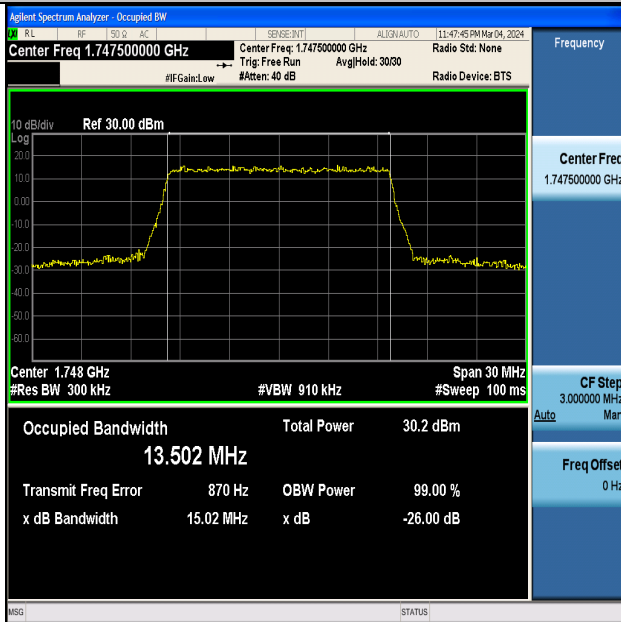
Band4-15MHz-QPSK-20175-75RB#0-PASS



Band4-15MHz-16QAM-20175-75RB#0-PASS

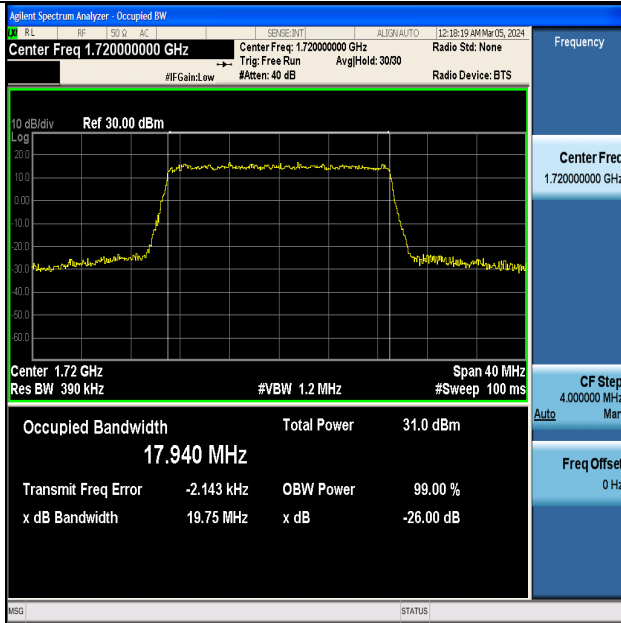


Band4-15MHz-QPSK-20325-75RB#0-PASS

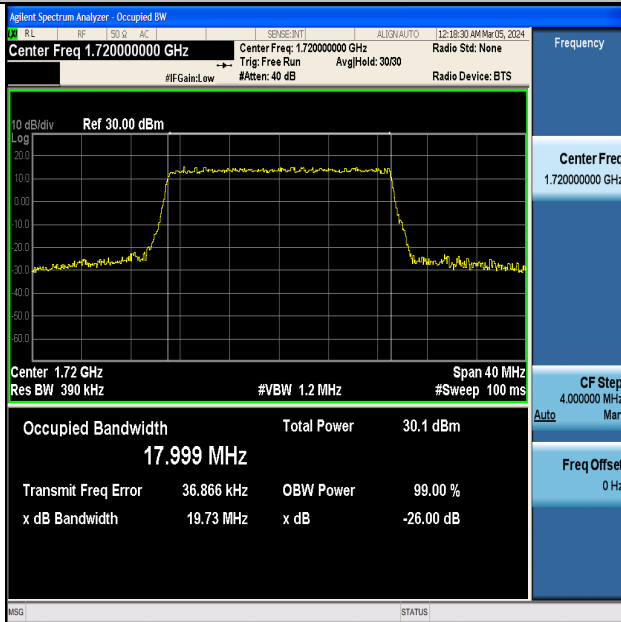


Band4-15MHz-16QAM-20325-75RB#0-PASS

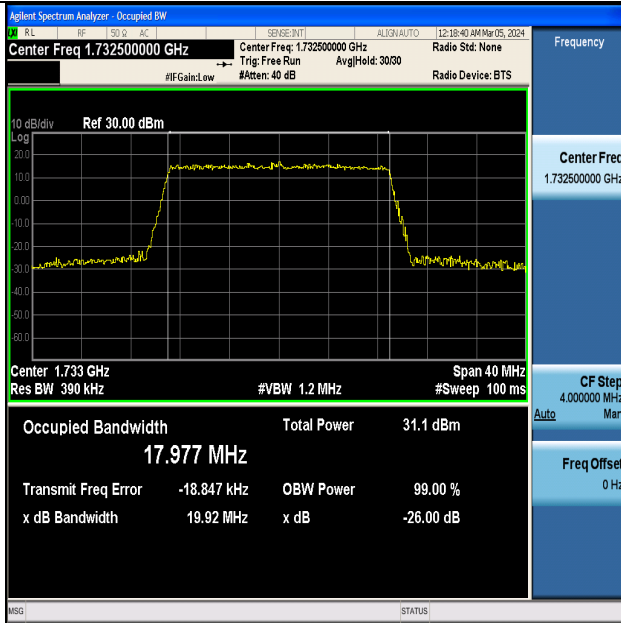




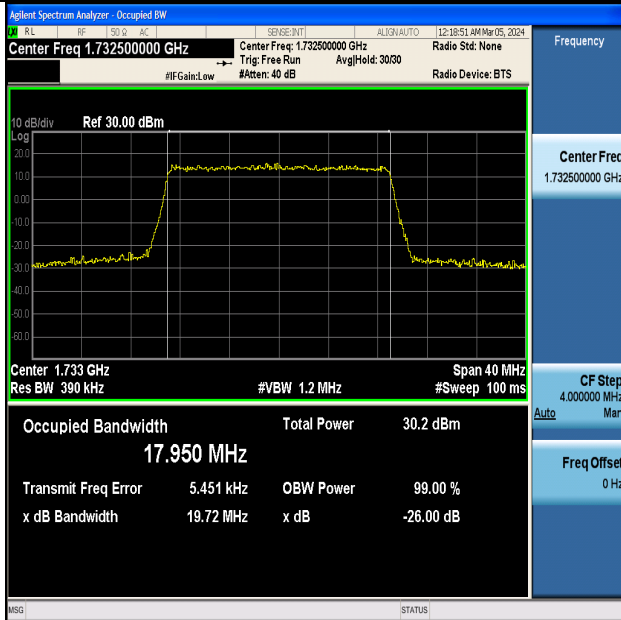
Band4-20MHz-QPSK-20050-100RB#0-PASS



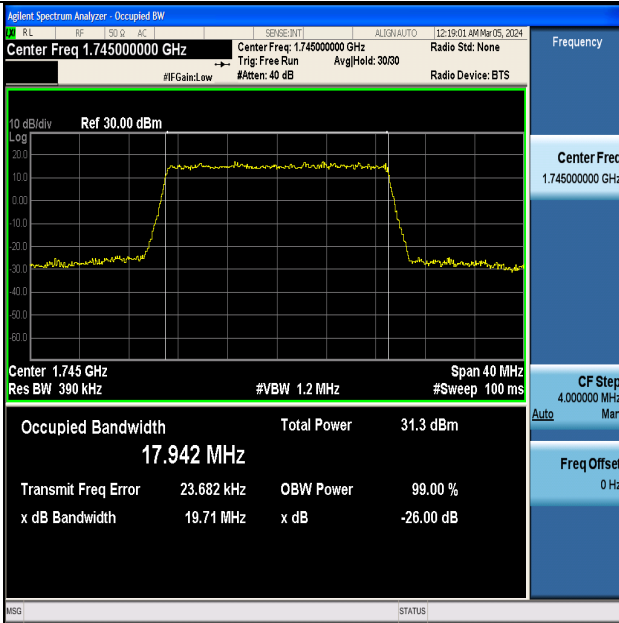
Band4-20MHz-16QAM-20050-100RB#0-PASS



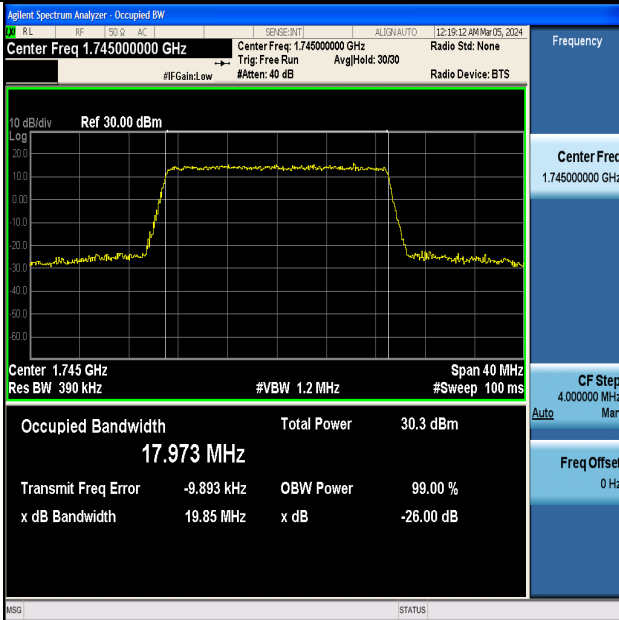
Band4-20MHz-QPSK-20175-100RB#0-PASS



Band4-20MHz-16QAM-20175-100RB#0-PASS



Band4-20MHz-QPSK-20300-100RB#0-PASS



Band4-20MHz-16QAM-20300-100RB#0-PASS

## 1.4. Appendix D: Band Edge

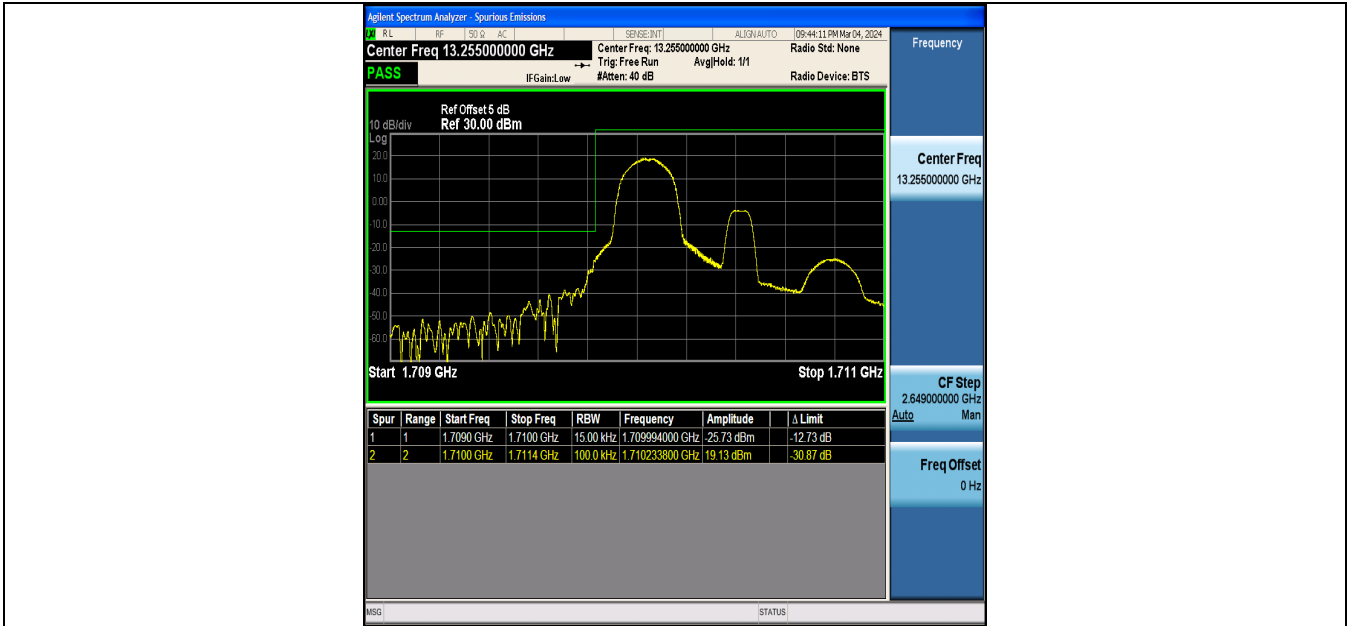
### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-25.73	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-32.33	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	-35.31	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	-40.84	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-32.60	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-33.27	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	-37.98	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	-39.17	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-25.52	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-31.86	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-28.20	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-31.41	PASS
Band4	3MHz	QPSK	19965	1RB#0	-26.74	PASS
Band4	3MHz	16QAM	19965	1RB#0	-27.91	PASS
Band4	3MHz	QPSK	19965	1RB#14	-52.14	PASS
Band4	3MHz	16QAM	19965	1RB#14	-52.74	PASS
Band4	3MHz	QPSK	19965	15RB#0	-36.42	PASS
Band4	3MHz	16QAM	19965	15RB#0	-38.62	PASS
Band4	3MHz	QPSK	20385	1RB#0	-52.47	PASS
Band4	3MHz	16QAM	20385	1RB#0	-52.85	PASS
Band4	3MHz	QPSK	20385	1RB#14	-25.95	PASS
Band4	3MHz	16QAM	20385	1RB#14	-27.84	PASS
Band4	3MHz	QPSK	20385	15RB#0	-38.24	PASS
Band4	3MHz	16QAM	20385	15RB#0	-38.79	PASS
Band4	5MHz	QPSK	19975	1RB#0	-24.62	PASS
Band4	5MHz	16QAM	19975	1RB#0	-25.13	PASS
Band4	5MHz	QPSK	19975	1RB#24	-51.37	PASS
Band4	5MHz	16QAM	19975	1RB#24	-51.21	PASS
Band4	5MHz	QPSK	19975	25RB#0	-33.53	PASS
Band4	5MHz	16QAM	19975	25RB#0	-35.29	PASS
Band4	5MHz	QPSK	20375	1RB#0	-50.34	PASS
Band4	5MHz	16QAM	20375	1RB#0	-50.45	PASS
Band4	5MHz	QPSK	20375	1RB#24	-23.66	PASS

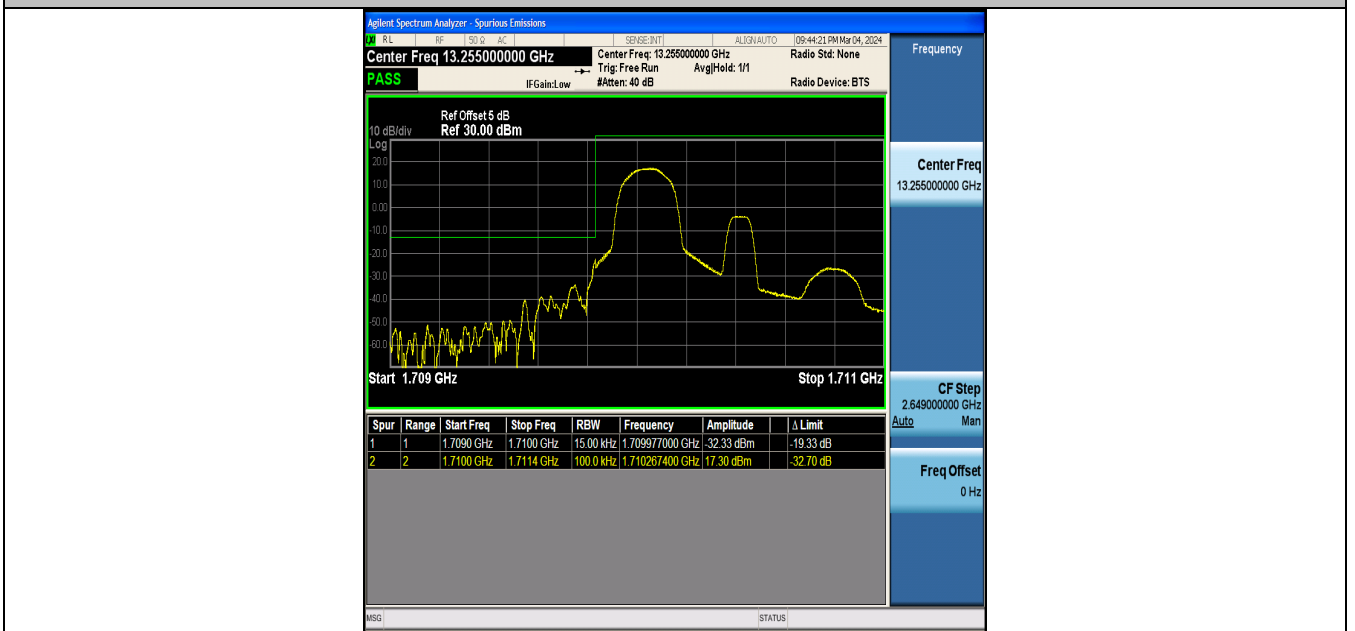
Band4	5MHz	16QAM	20375	1RB#24	-24.61	PASS
Band4	5MHz	QPSK	20375	25RB#0	-35.28	PASS
Band4	5MHz	16QAM	20375	25RB#0	-34.90	PASS
Band4	10MHz	QPSK	20000	1RB#0	-35.29	PASS
Band4	10MHz	16QAM	20000	1RB#0	-35.92	PASS
Band4	10MHz	QPSK	20000	1RB#49	-51.03	PASS
Band4	10MHz	16QAM	20000	1RB#49	-51.30	PASS
Band4	10MHz	QPSK	20000	50RB#0	-37.38	PASS
Band4	10MHz	16QAM	20000	50RB#0	-39.17	PASS
Band4	10MHz	QPSK	20350	1RB#0	-50.44	PASS
Band4	10MHz	16QAM	20350	1RB#0	-50.84	PASS
Band4	10MHz	QPSK	20350	1RB#49	-34.84	PASS
Band4	10MHz	16QAM	20350	1RB#49	-35.61	PASS
Band4	10MHz	QPSK	20350	50RB#0	-40.01	PASS
Band4	10MHz	16QAM	20350	50RB#0	-39.84	PASS
Band4	15MHz	QPSK	20025	1RB#0	-40.07	PASS
Band4	15MHz	16QAM	20025	1RB#0	-40.20	PASS
Band4	15MHz	QPSK	20025	1RB#74	-50.96	PASS
Band4	15MHz	16QAM	20025	1RB#74	-51.07	PASS
Band4	15MHz	QPSK	20025	75RB#0	-38.15	PASS
Band4	15MHz	16QAM	20025	75RB#0	-39.69	PASS
Band4	15MHz	QPSK	20325	1RB#0	-50.34	PASS
Band4	15MHz	16QAM	20325	1RB#0	-50.58	PASS
Band4	15MHz	QPSK	20325	1RB#74	-39.71	PASS
Band4	15MHz	16QAM	20325	1RB#74	-40.57	PASS
Band4	15MHz	QPSK	20325	75RB#0	-40.55	PASS
Band4	15MHz	16QAM	20325	75RB#0	-40.71	PASS
Band4	20MHz	QPSK	20050	1RB#0	-43.12	PASS
Band4	20MHz	16QAM	20050	1RB#0	-43.27	PASS
Band4	20MHz	QPSK	20050	1RB#99	-50.61	PASS
Band4	20MHz	16QAM	20050	1RB#99	-50.78	PASS
Band4	20MHz	QPSK	20050	100RB#0	-39.16	PASS
Band4	20MHz	16QAM	20050	100RB#0	-40.19	PASS
Band4	20MHz	QPSK	20300	1RB#0	-50.35	PASS
Band4	20MHz	16QAM	20300	1RB#0	-50.32	PASS
Band4	20MHz	QPSK	20300	1RB#99	-42.82	PASS
Band4	20MHz	16QAM	20300	1RB#99	-43.09	PASS
Band4	20MHz	QPSK	20300	100RB#0	-42.37	PASS

Band4	20MHz	16QAM	20300	100RB#0	-41.01	PASS
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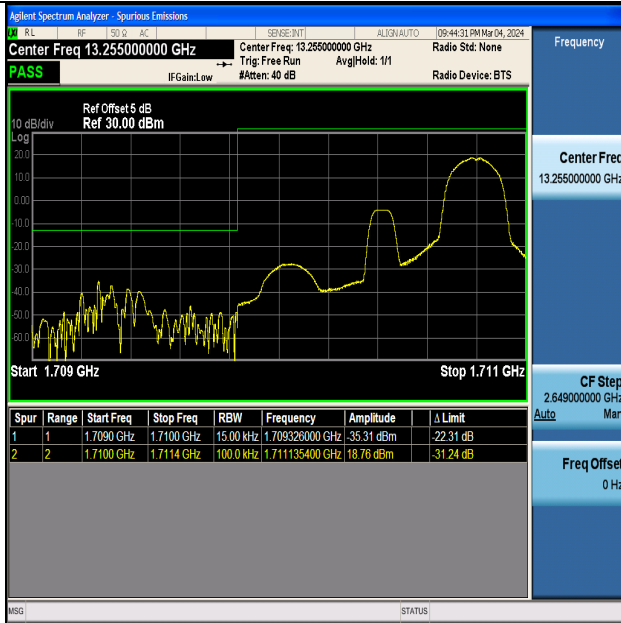
# Test Graphs



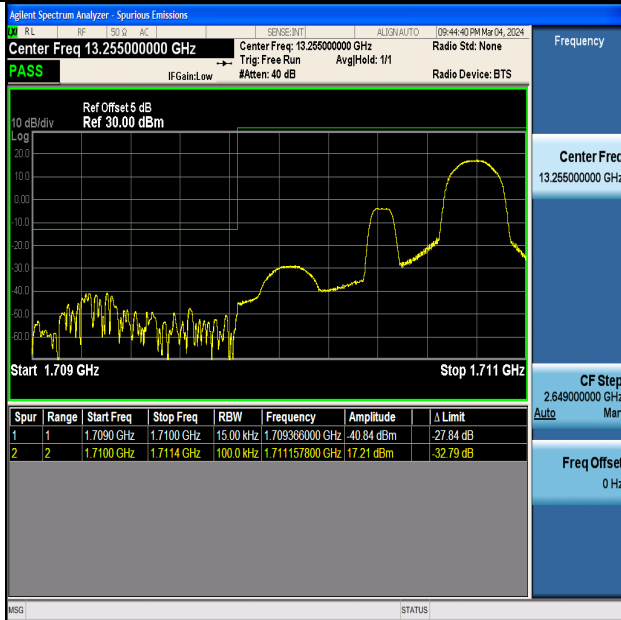
Band4\_1.4MHz\_QPSK\_19957\_1RB#0



Band4\_1.4MHz\_16QAM\_19957\_1RB#0

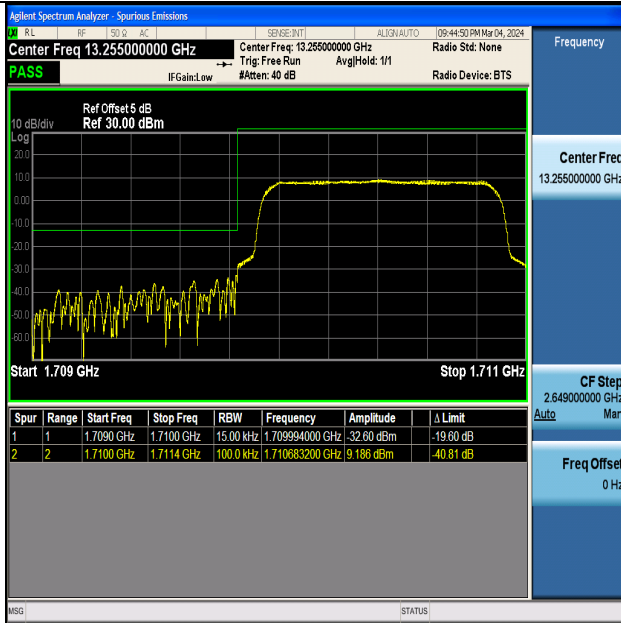


Band4\_1.4MHz\_QPSK\_19957\_1RB#5

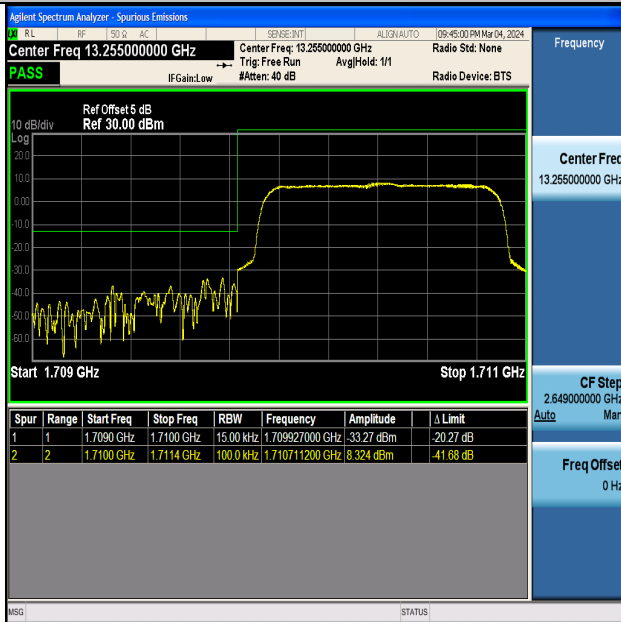


Band4\_1.4MHz\_16QAM\_19957\_1RB#5





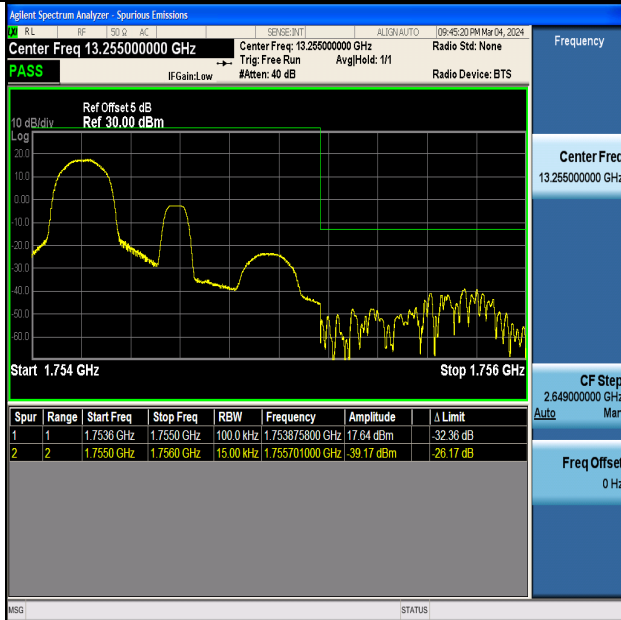
Band4\_1.4MHz\_QPSK\_19957\_6RB#0



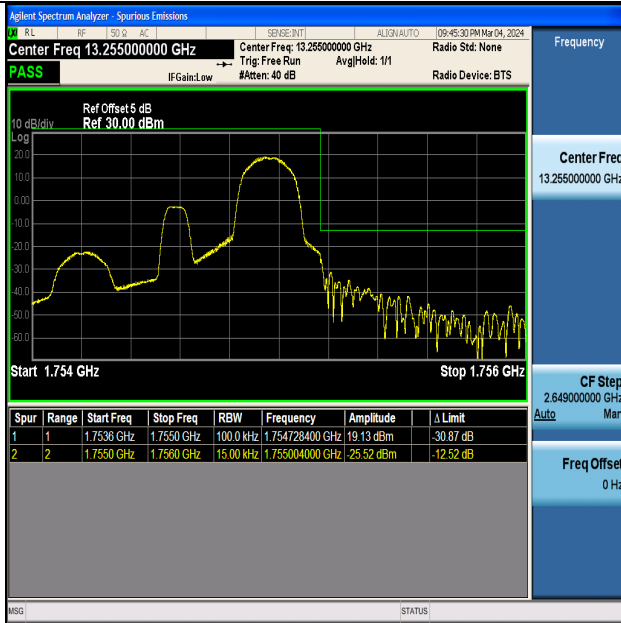
Band4\_1.4MHz\_16QAM\_19957\_6RB#0



Band4\_1.4MHz\_QPSK\_20393\_1RB#0



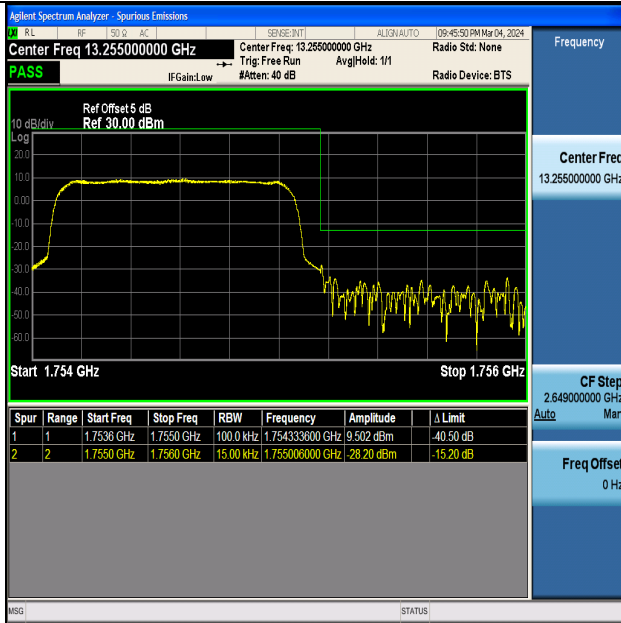
Band4\_1.4MHz\_16QAM\_20393\_1RB#0



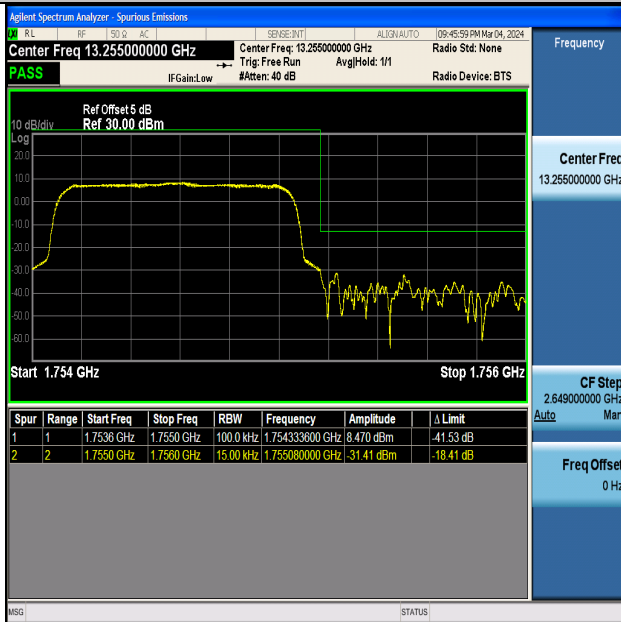
Band4\_1.4MHz\_QPSK\_20393\_1RB#5



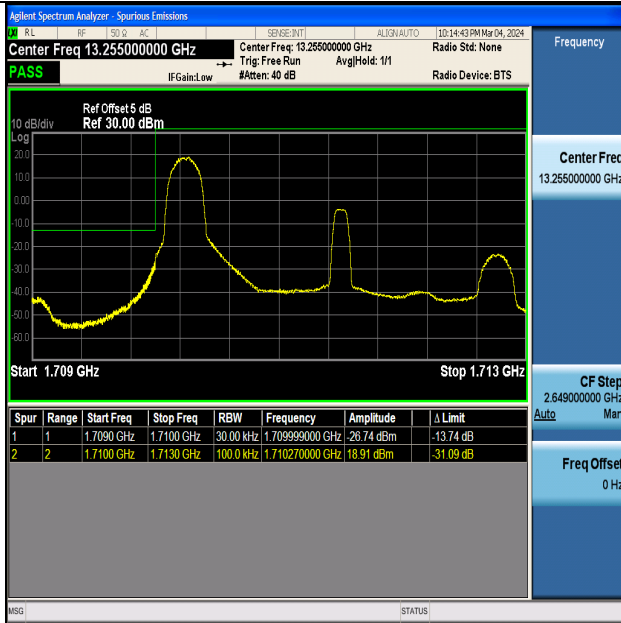
Band4\_1.4MHz\_16QAM\_20393\_1RB#5



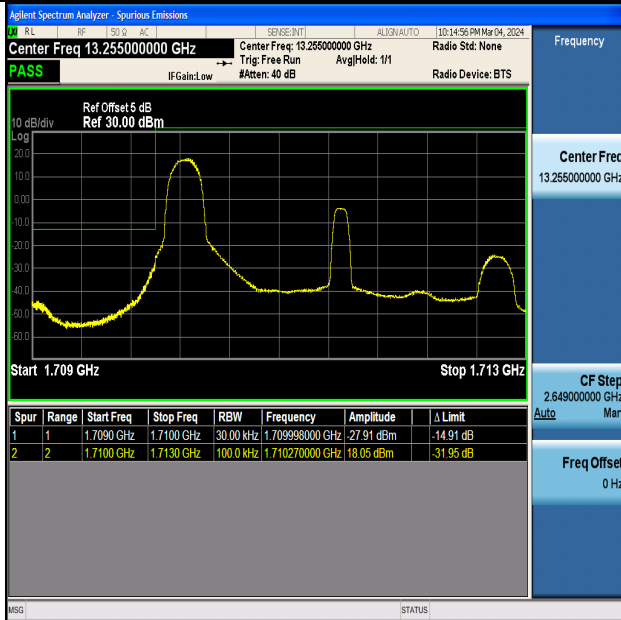
Band4\_1.4MHz\_QPSK\_20393\_6RB#0



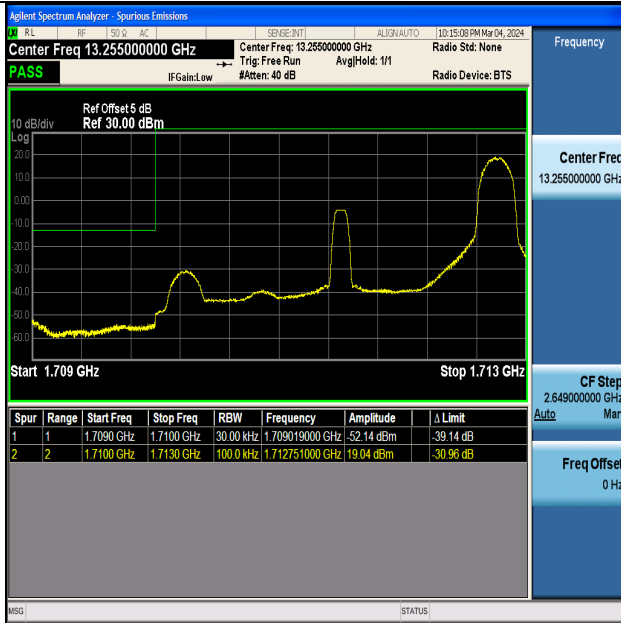
Band4\_1.4MHz\_16QAM\_20393\_6RB#0



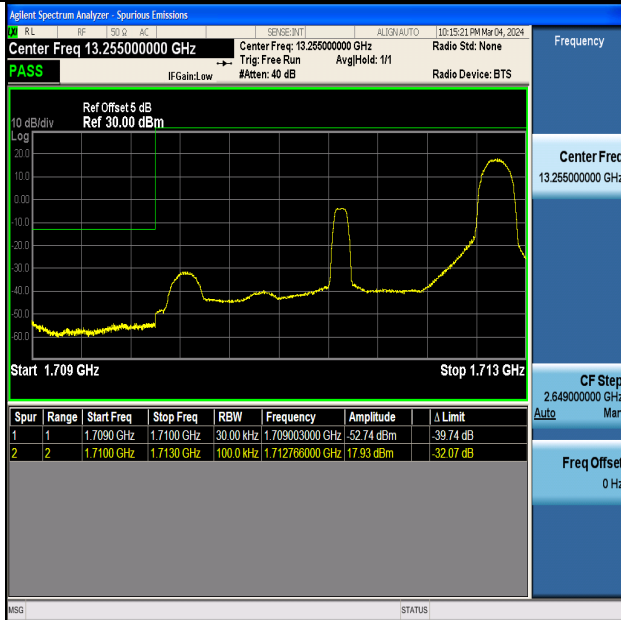
Band4\_3MHz\_QPSK\_19965\_1RB#0



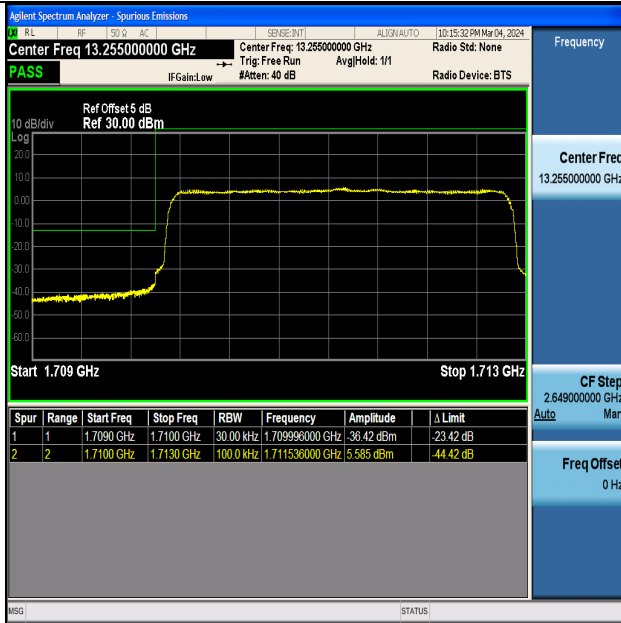
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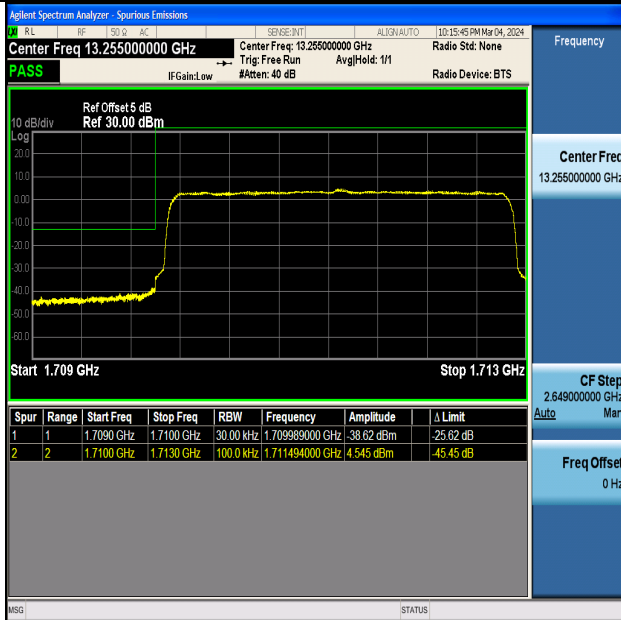
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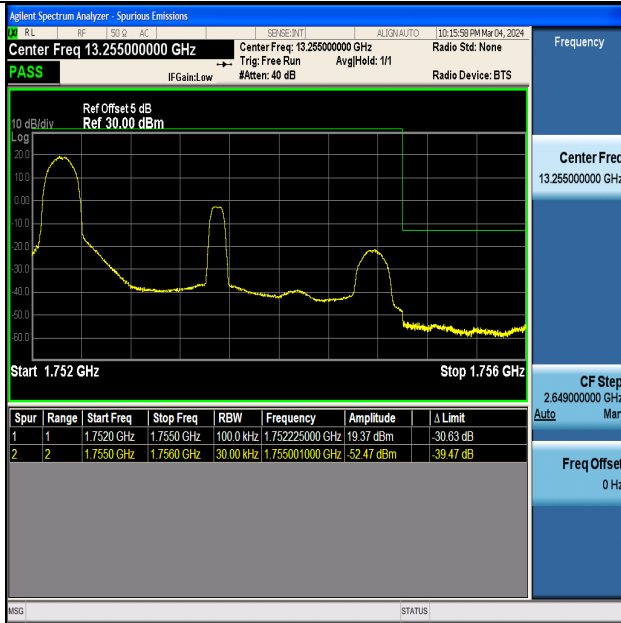
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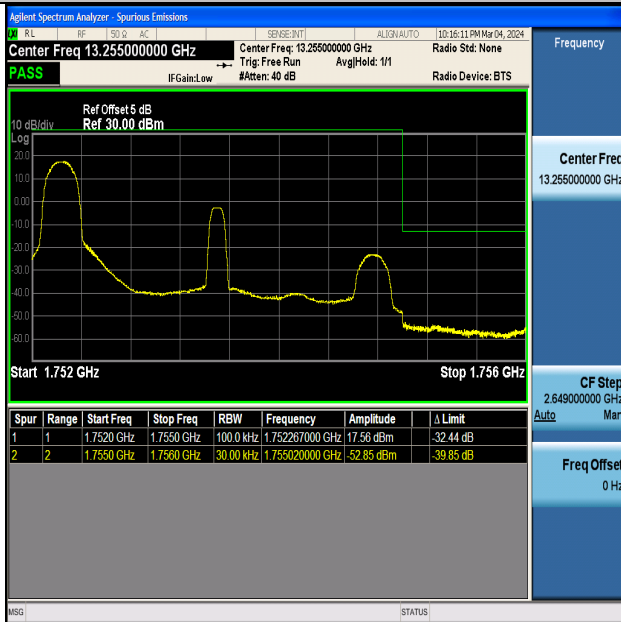
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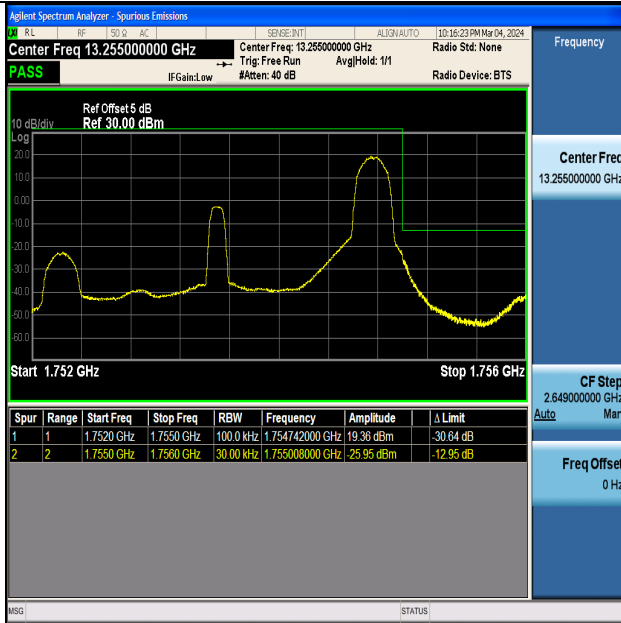


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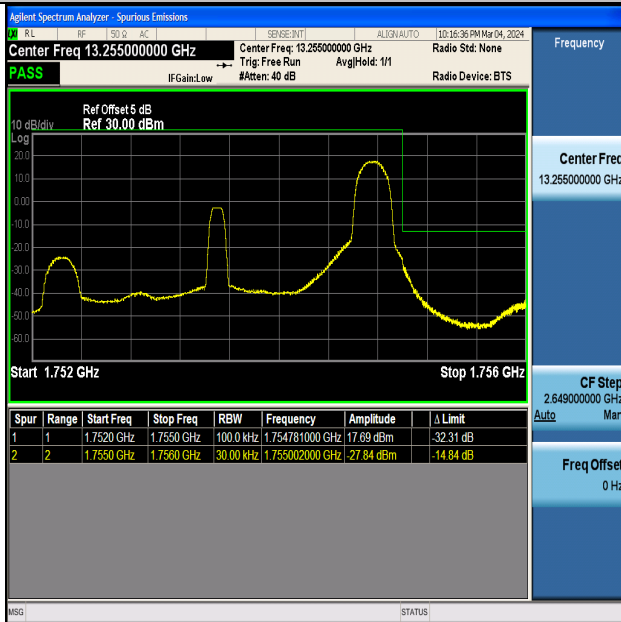


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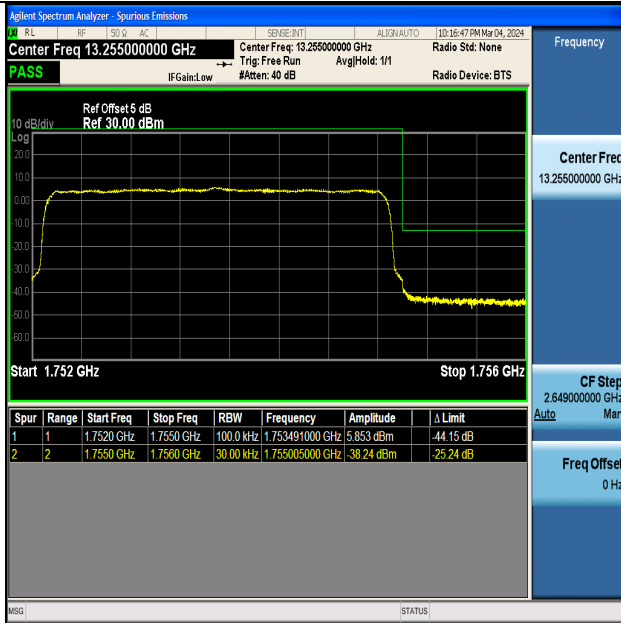




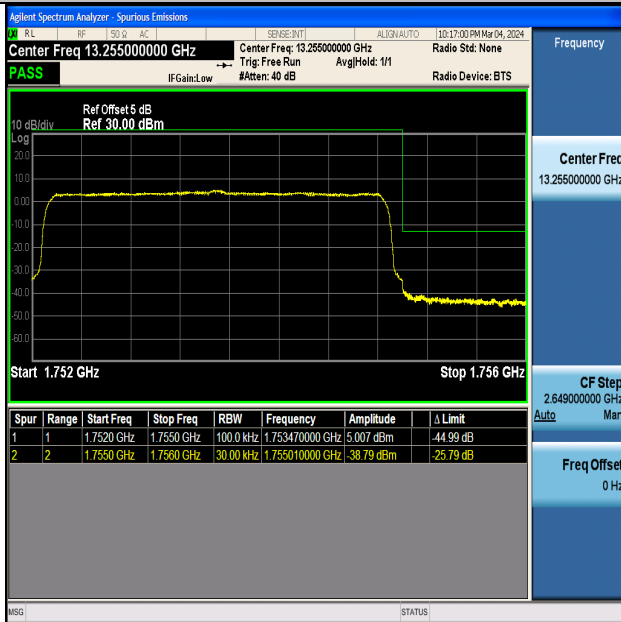
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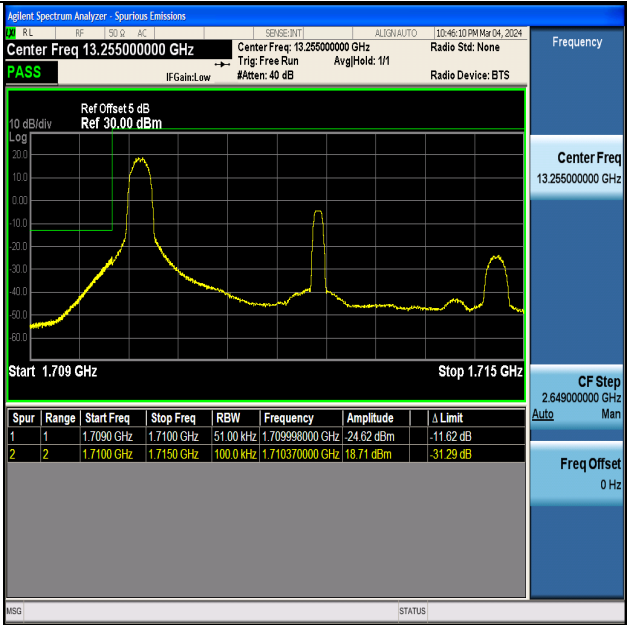
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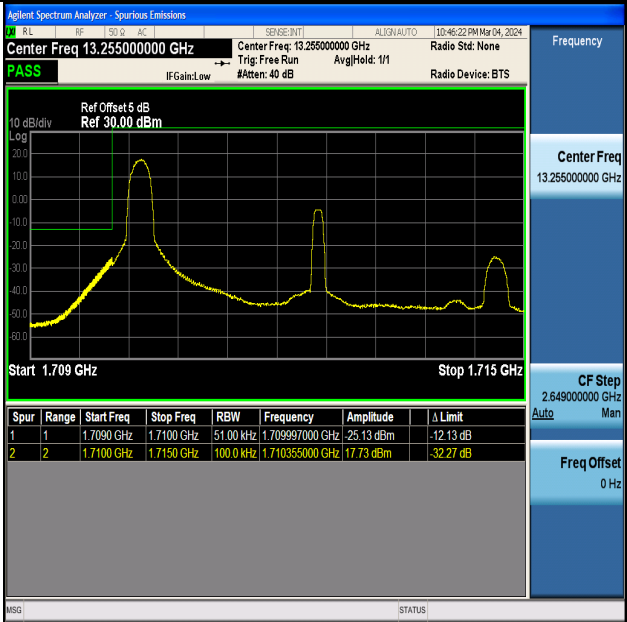
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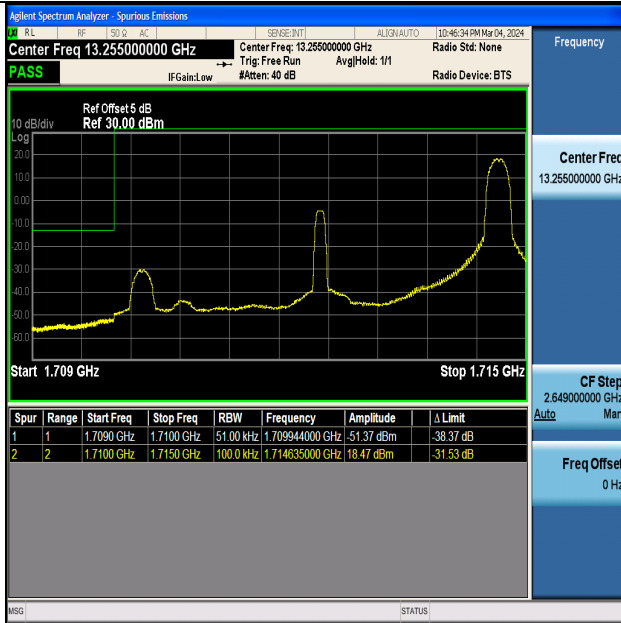
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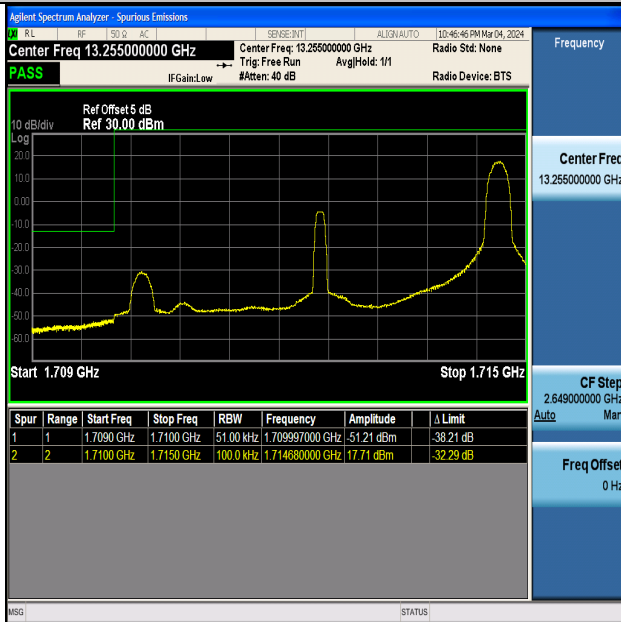
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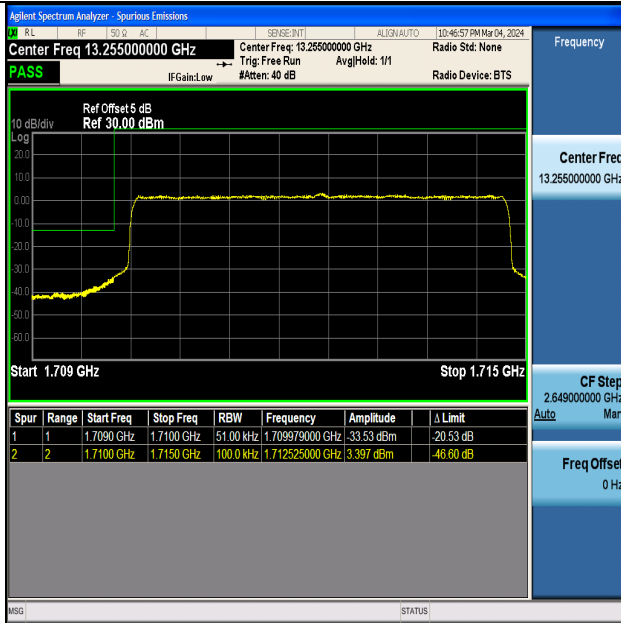
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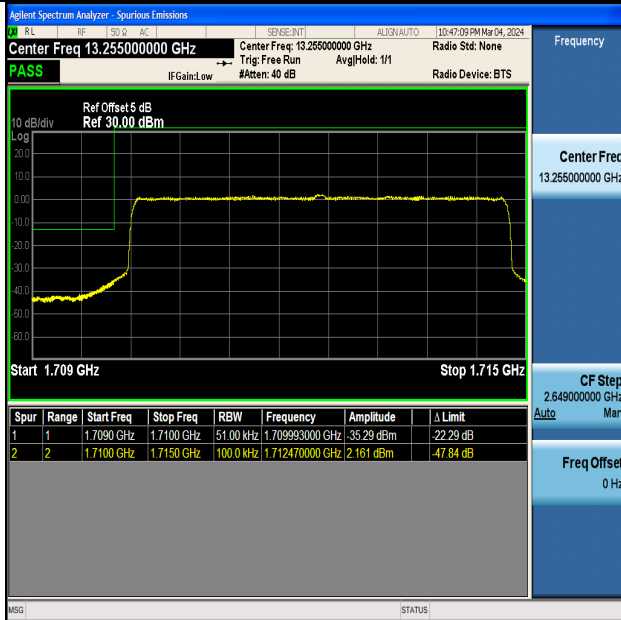
Band4\_5MHz\_QPSK\_19975\_1RB#24



Band4\_5MHz\_16QAM\_19975\_1RB#24



Band4\_5MHz\_QPSK\_19975\_25RB#0



Band4\_5MHz\_16QAM\_19975\_25RB#0