Appendix Test Data

Report No.:	18220WC30180202	Test Sample No.:	1-2-2
Start Test Date:	2023.8.25	Finish Test Date:	2023.9.1
Test Engineer:	Rick Luo	Auditor:	Edward. Pan
Temperature:	24.3℃	Relative Humidity:	57 %
Pressure:	101kPa		

Appendix A: Conducted Output Power

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	22.10	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.26	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.15	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.09	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.08	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.21	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.04	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.29	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.33	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.36	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.27	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.27	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.24	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.29	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.55	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.60	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.57	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.48	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.56	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.48	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.62	PASS

Band4	1.4MHz	16QAM	19957	1RB#0	21.46	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.58	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.39	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	20.86	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	20.77	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.03	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.40	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.74	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.43	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.20	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.19	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	20.52	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.32	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	21.77	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.73	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.83	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.31	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.32	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.47	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.53	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.01	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.03	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.02	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.09	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.09	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.08	PASS
Band4	3MHz	QPSK	19965	15RB#0	20.99	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.31	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.32	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.20	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.32	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.32	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.35	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.30	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.29	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.39	PASS

Band4	3MHz	QPSK	20385	1RB#14	22.70	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.43	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.44	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.57	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.51	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.08	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.40	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.07	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.20	PASS
Band4	3MHz	16QAM	19965	8RB#4	19.78	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.22	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.11	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.20	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.19	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.30	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.38	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.03	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.27	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.40	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.35	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.50	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.48	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.50	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.14	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.54	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.41	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.03	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.17	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.08	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.08	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.08	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.03	PASS
Band4	5MHz	QPSK	19975	25RB#0	20.93	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.16	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.31	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.18	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.35	PASS

Band4	5MHz	QPSK	20175	12RB#6	21.36	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.30	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.26	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.38	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.57	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.67	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.57	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.57	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.66	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.53	PASS
Band4	5MHz	16QAM	19975	1RB#0	20.52	PASS
Band4	5MHz	16QAM	19975	1RB#12	20.38	PASS
Band4	5MHz	16QAM	19975	1RB#24	20.63	PASS
Band4	5MHz	16QAM	19975	12RB#0	19.98	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.08	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.04	PASS
Band4	5MHz	16QAM	19975	25RB#0	19.90	PASS
Band4	5MHz	16QAM	20175	1RB#0	20.63	PASS
Band4	5MHz	16QAM	20175	1RB#12	20.78	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.39	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.28	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.28	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.31	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.17	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.27	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.20	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.44	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.59	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.46	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.45	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.49	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.01	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.33	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.26	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.04	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.04	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.21	PASS

Band4	10MHz	QPSK	20000	50RB#0	21.18	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.09	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.31	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.31	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.33	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.35	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.31	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.26	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.42	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.61	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.64	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.50	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.50	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.60	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.49	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.07	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.41	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.04	PASS
Band4	10MHz	16QAM	20000	25RB#0	19.94	PASS
Band4	10MHz	16QAM	20000	25RB#12	19.94	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.22	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.05	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.19	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.61	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.31	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.34	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.34	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.32	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.14	PASS
Band4	10MHz	16QAM	20350	1RB#0	21.44	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.11	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.84	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.59	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.49	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.39	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.45	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.02	PASS

Band4	15MHz	QPSK	20025	1RB#38	22.12	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.17	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.16	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.14	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.13	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.12	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.06	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.24	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.31	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.30	PASS
Band4	15MHz	QPSK	20175	38RB#18	21.27	PASS
Band4	15MHz	QPSK	20175	38RB#37	21.26	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.25	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.41	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.41	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.69	PASS
Band4	15MHz	QPSK	20325	38RB#0	21.61	PASS
Band4	15MHz	QPSK	20325	38RB#18	21.58	PASS
Band4	15MHz	QPSK	20325	38RB#37	21.58	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.58	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.03	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.90	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.38	PASS
Band4	15MHz	16QAM	20025	38RB#0	21.15	PASS
Band4	15MHz	16QAM	20025	38RB#18	21.13	PASS
Band4	15MHz	16QAM	20025	38RB#37	21.12	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.09	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.22	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.03	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.38	PASS
Band4	15MHz	16QAM	20175	38RB#0	21.28	PASS
Band4	15MHz	16QAM	20175	38RB#18	21.26	PASS
Band4	15MHz	16QAM	20175	38RB#37	21.25	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.23	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.58	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.44	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.71	PASS

Band4	15MHz	16QAM	20325	38RB#0	21.59	PASS
Band4	15MHz	16QAM	20325	38RB#18	21.58	PASS
Band4	15MHz	16QAM	20325	38RB#37	21.58	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.55	PASS
Band4	20MHz	QPSK	20050	1RB#0	21.77	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.57	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.36	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.14	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.03	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.42	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.21	PASS
Band4	20MHz	QPSK	20175	1RB#0	21.99	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.63	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.35	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.20	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.29	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.40	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.33	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.24	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.95	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.58	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.49	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.55	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.65	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.63	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.19	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.88	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.45	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.16	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.17	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.40	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.20	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.25	PASS
Band4	20MHz	16QAM	20175	1RB#49	21.83	PASS
Band4	20MHz	16QAM	20175	1RB#99	21.63	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.32	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.36	PASS

Band4	20MHz	16QAM	20175	50RB#50	20.40	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.31	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.70	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.16	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.16	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.54	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.52	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.67	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.60	PASS

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

Test Result

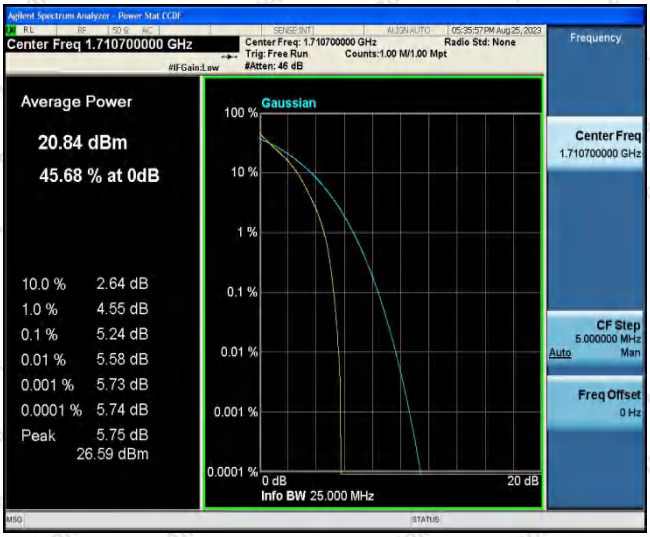
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	4.71	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	5.24	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	4.85	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.39	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	4.53	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.14	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	5.57	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.09	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.78	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.24	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	5.39	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	5.94	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	4.69	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.34	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	4.88	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.44	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	4.64	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.19	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	5.56	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.21	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	5.71	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.29	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	5.48	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.07	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	4.66	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.30	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	4.85	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.42	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	4.62	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.14	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	5.62	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.08	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	5.60	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.25	13	PASS

Band4	5MHz	16QAM	20375	1RB#0	5.33	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.98	13	PASS
Band4	10MHz	QPSK	20000	1RB#0	4.63	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.17	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	4.76	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.33	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	4.69	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.17	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	5.43	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.00	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	5.67	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.16	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	5.54	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.03	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	4.63	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.34	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	4.72	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.49	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	4.77	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.34	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	5.45	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.06	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	5.59	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.18	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	5.61	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.08	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	4.65	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.13	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	4.66	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.31	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	4.75	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.19	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	5.37	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.99	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	5.63	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.08	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	5.75	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.03	13	PASS

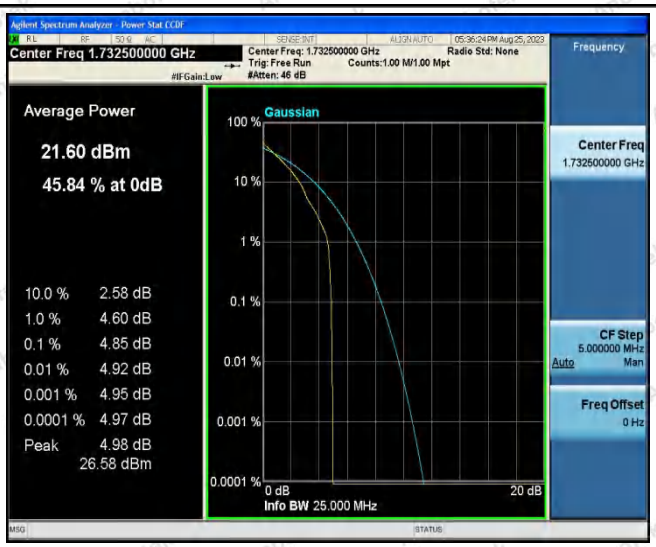
Test Graphs

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

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



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



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

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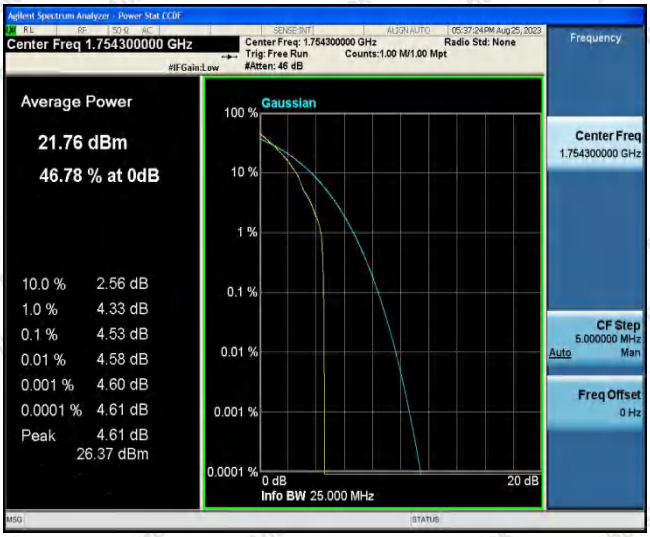

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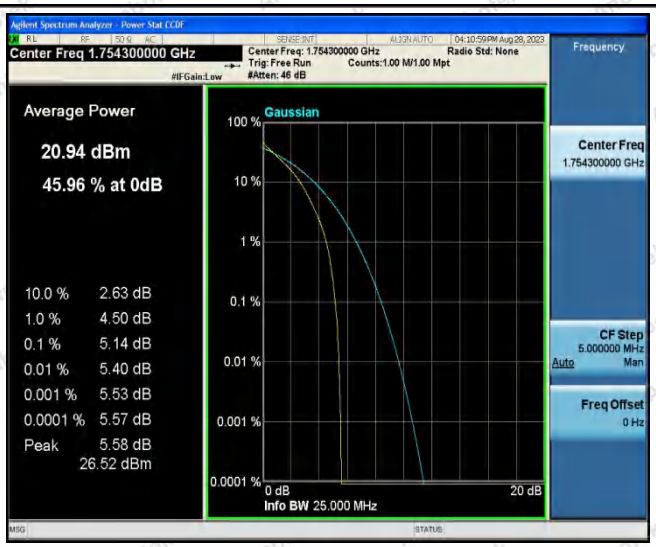

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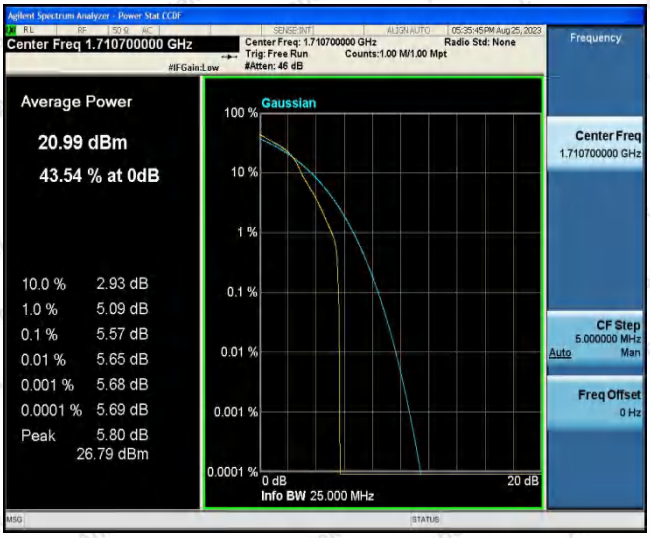

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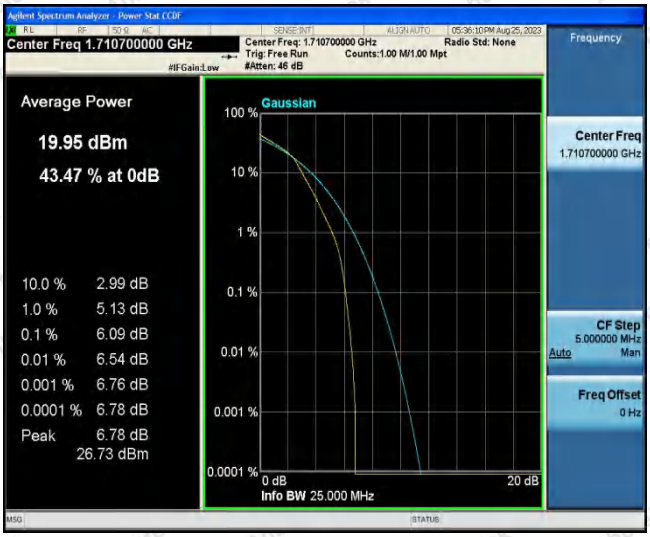

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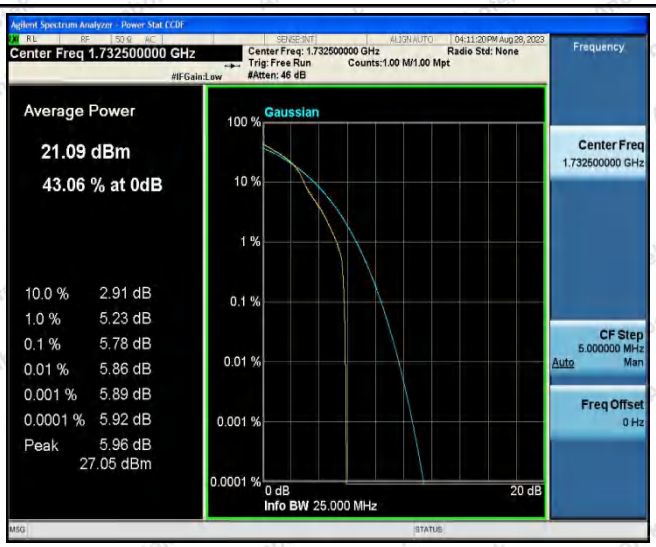

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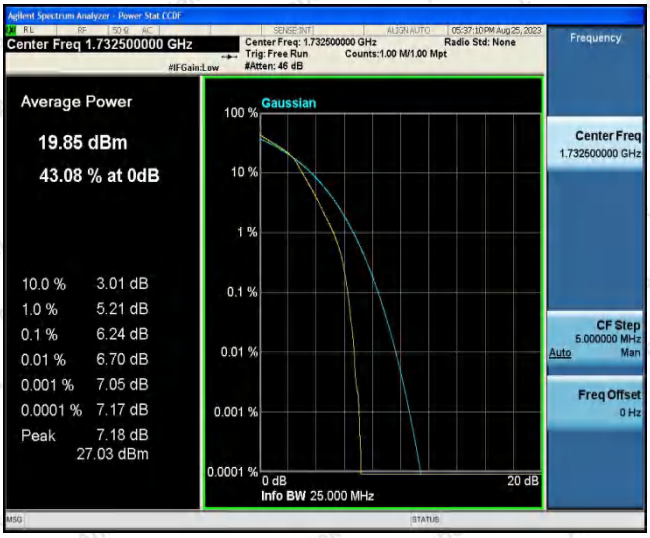

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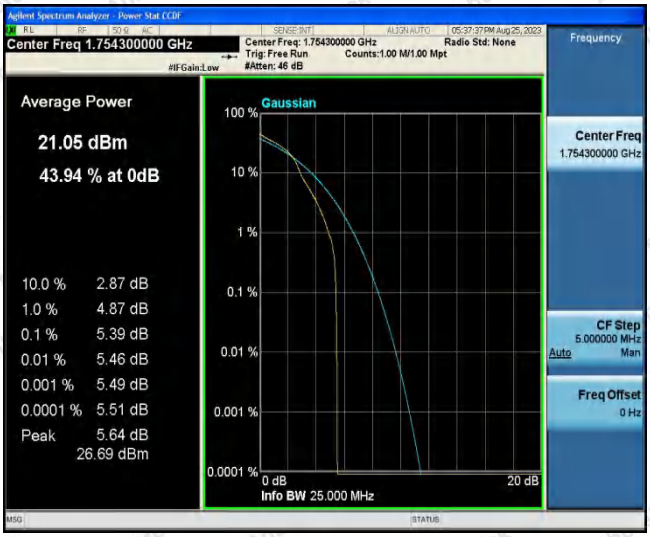

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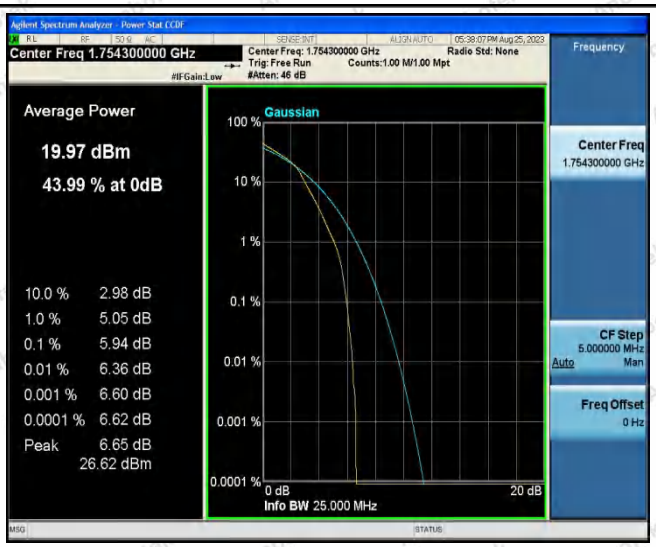

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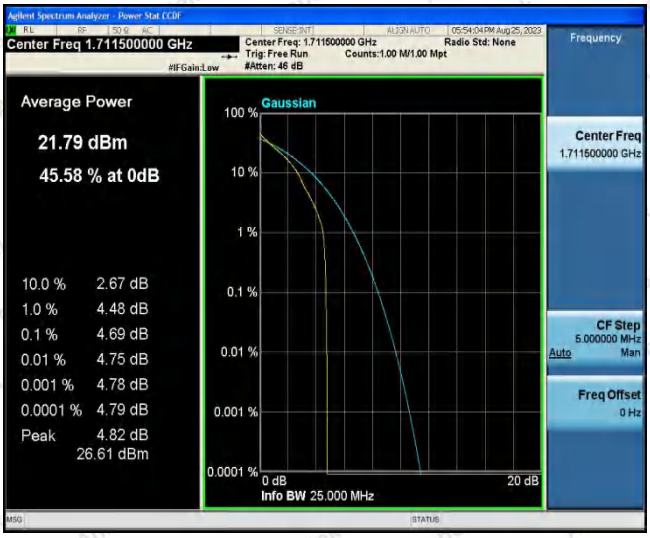

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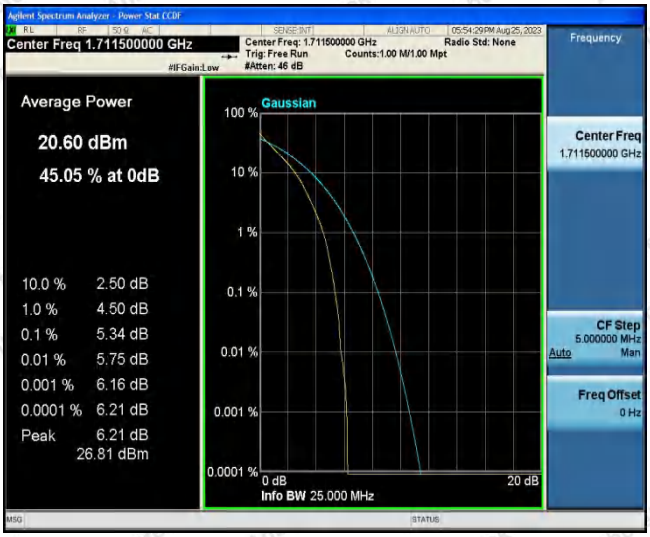

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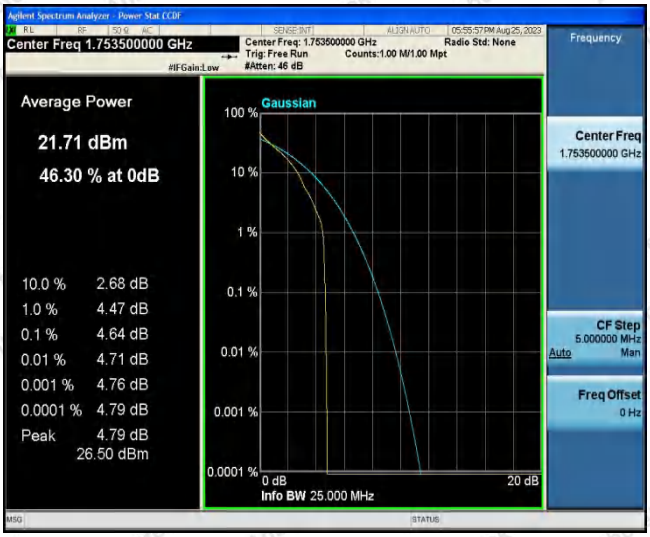
Band4-3MHz-QPSK-20385-1RB#0



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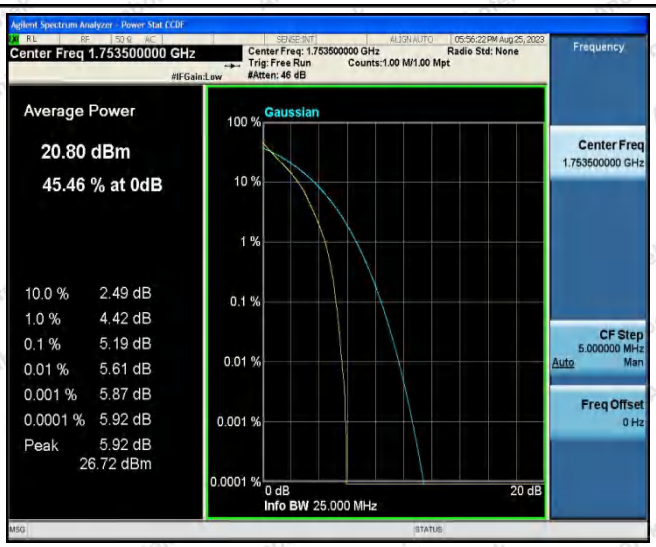

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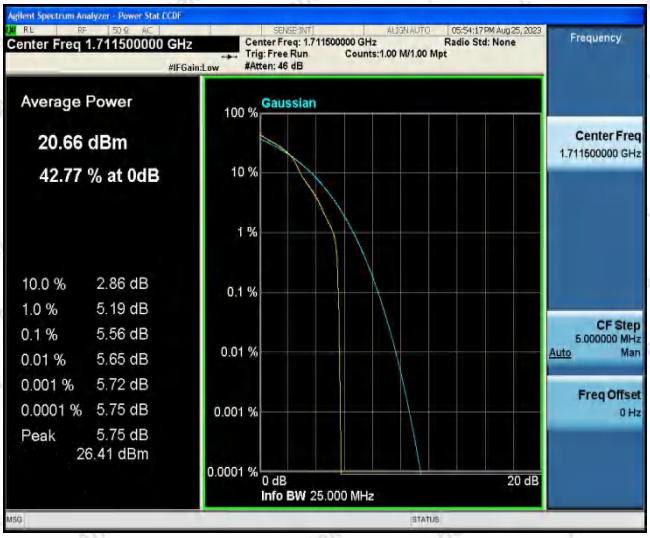

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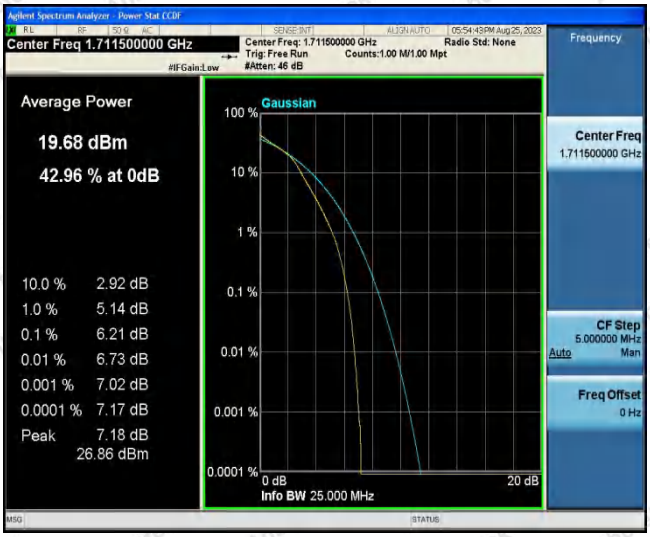

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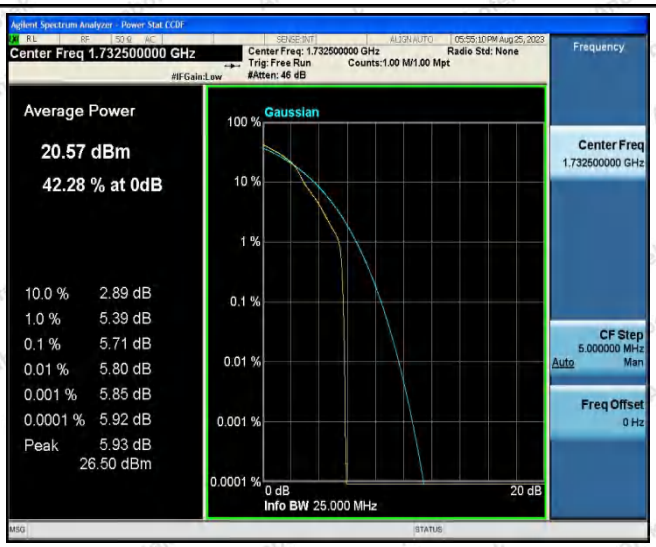

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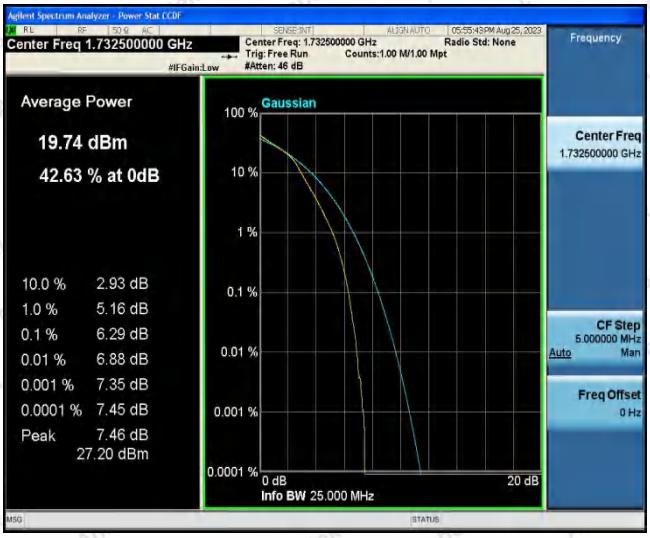

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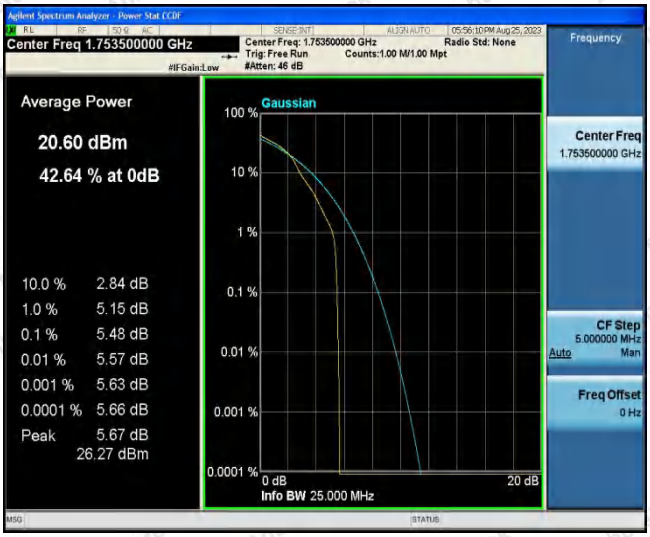

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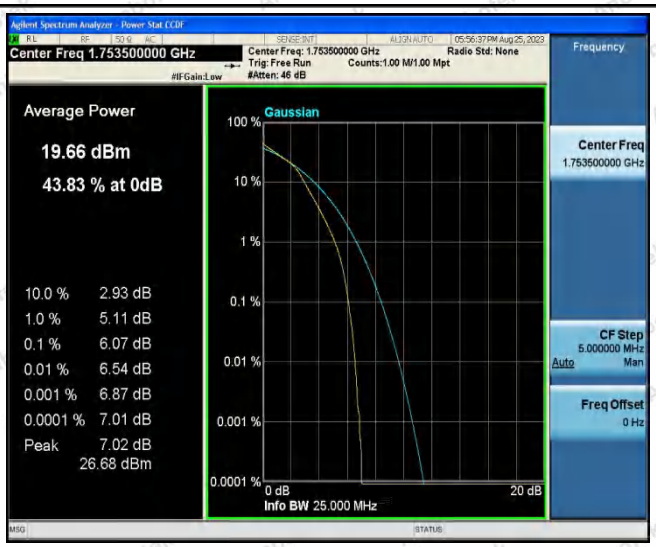
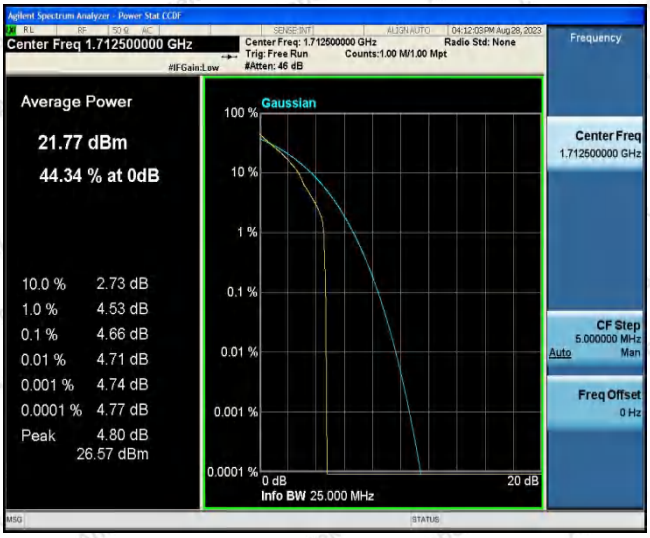


Band4-5MHz-QPSK-19975-1RB#0



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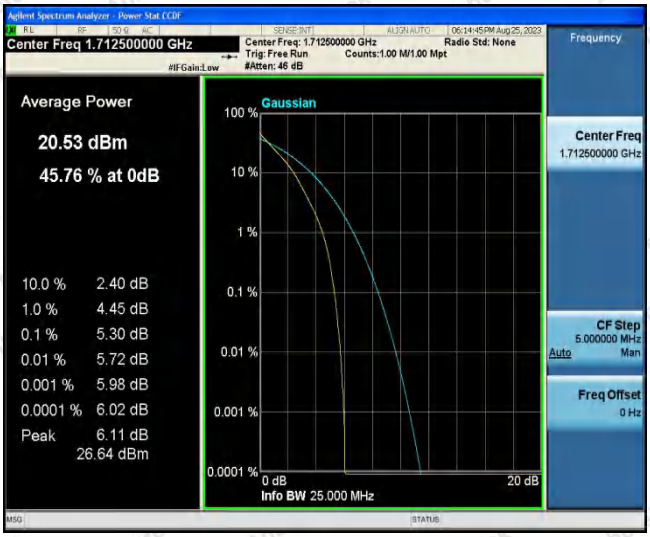

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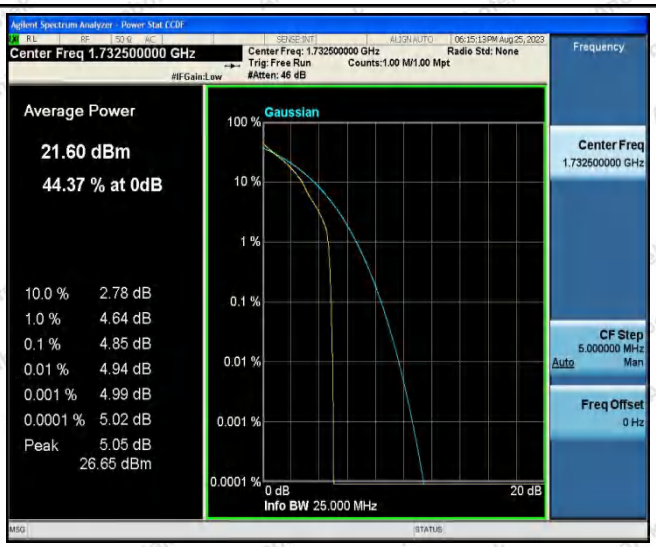

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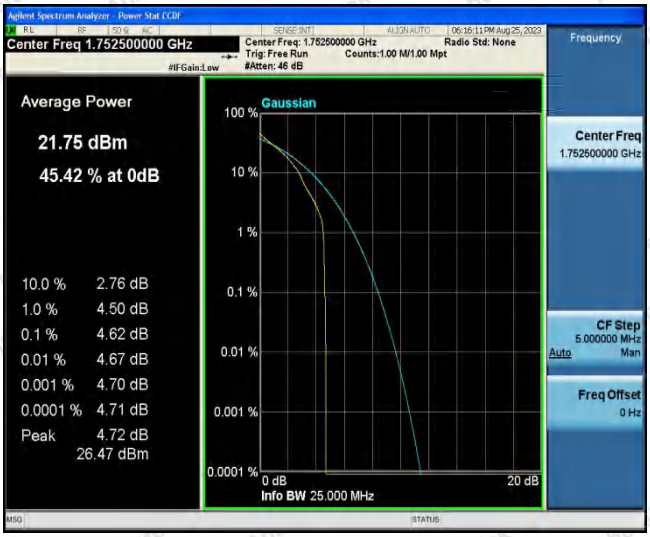

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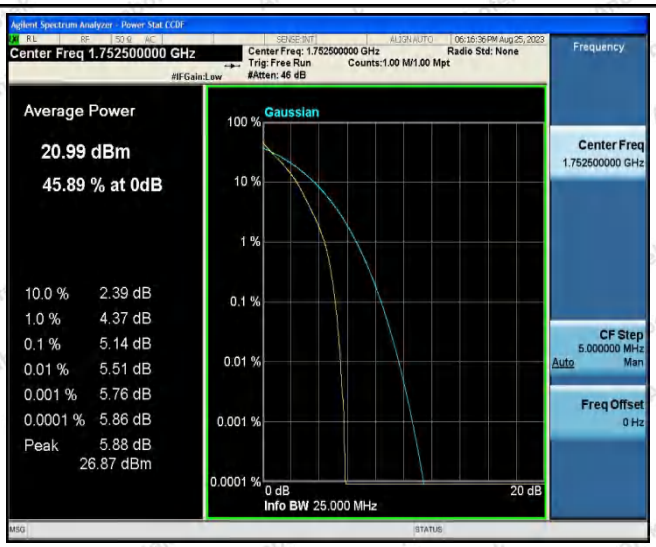

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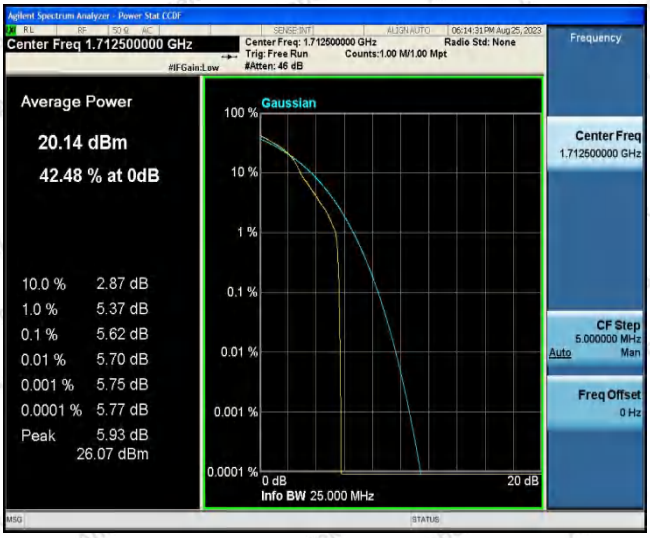

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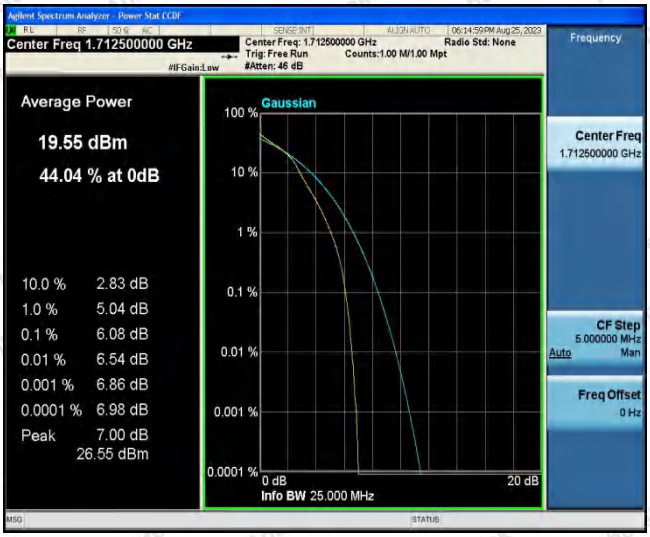

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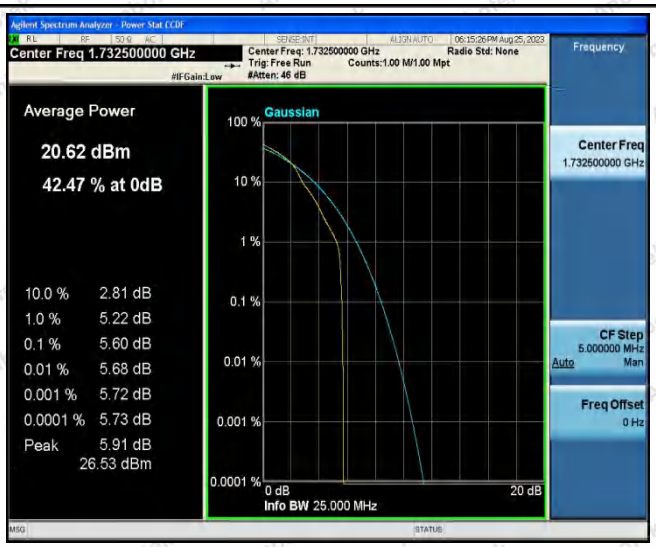

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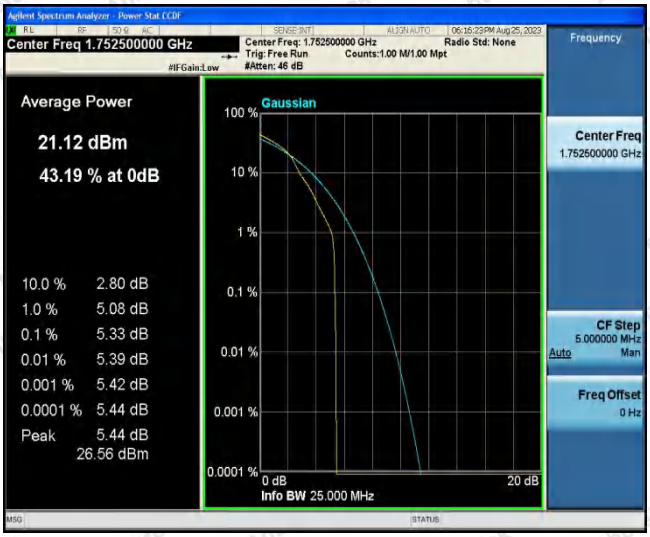

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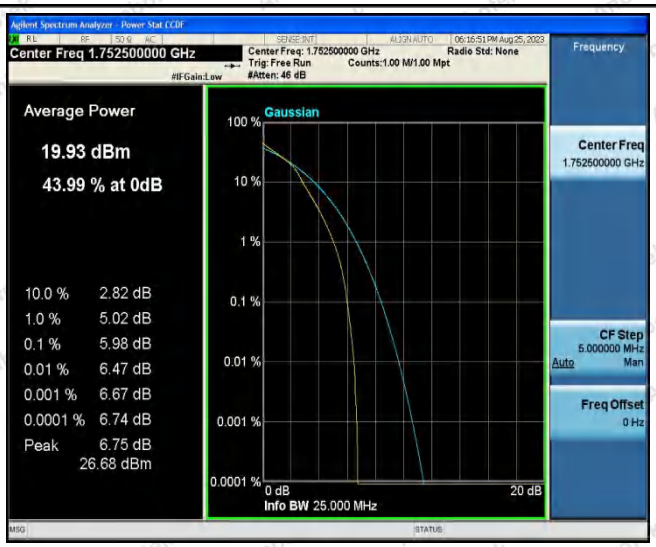

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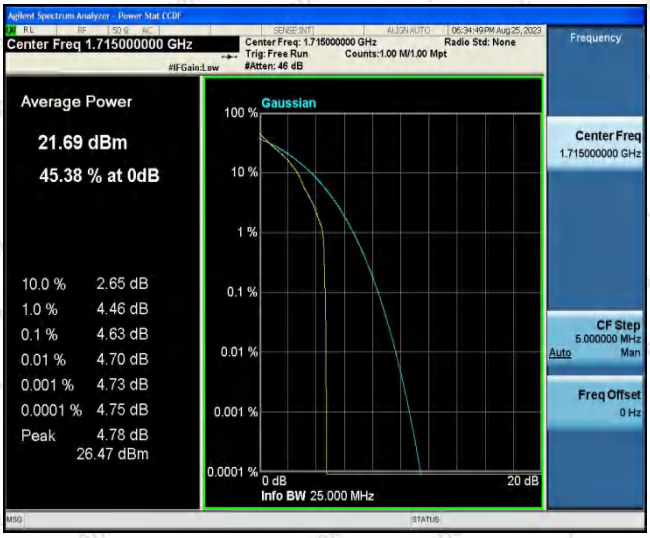

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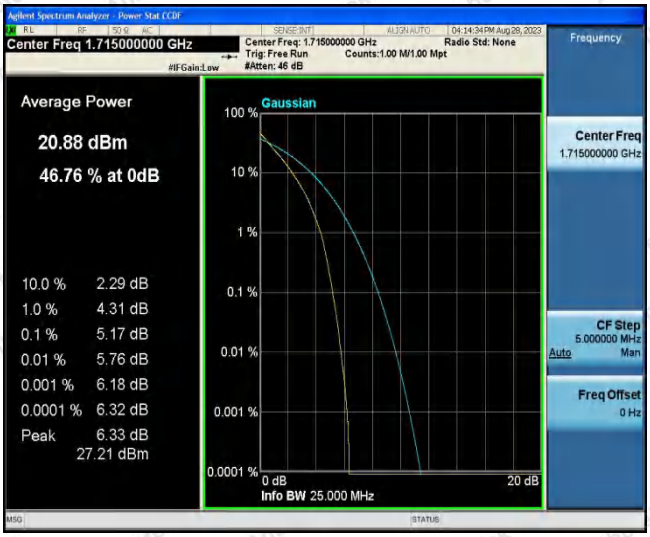

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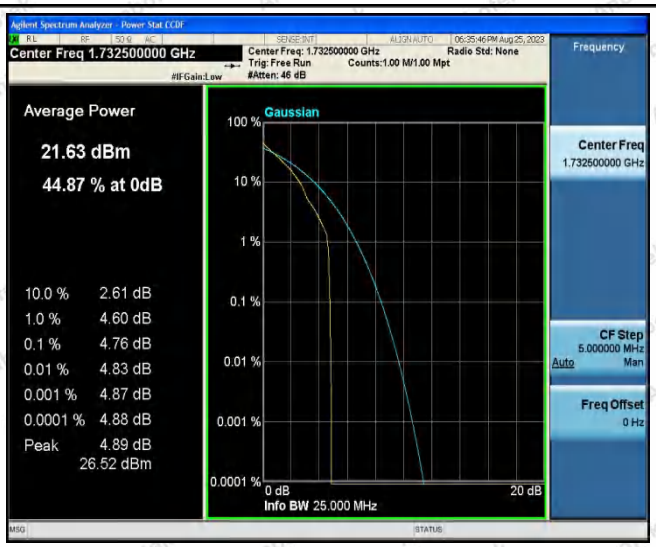

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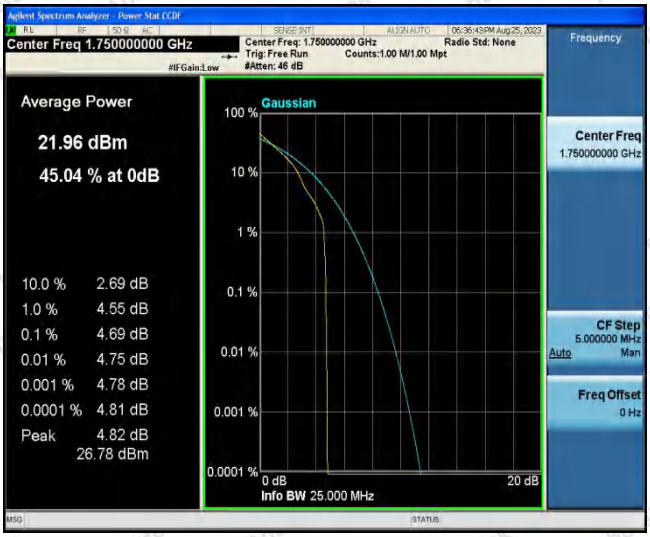

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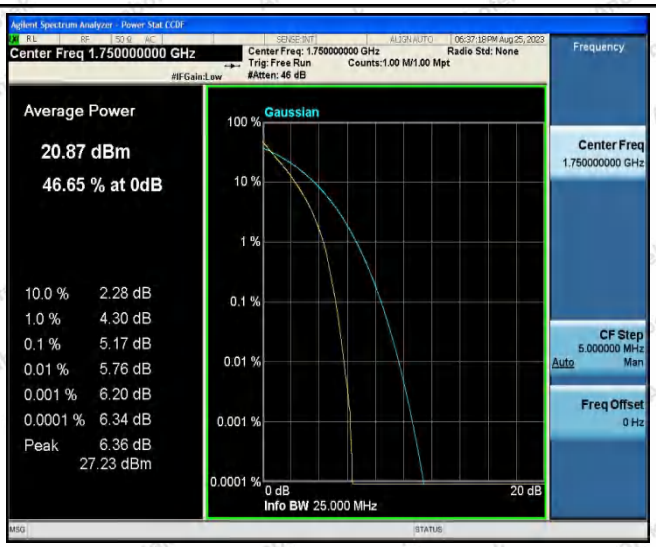

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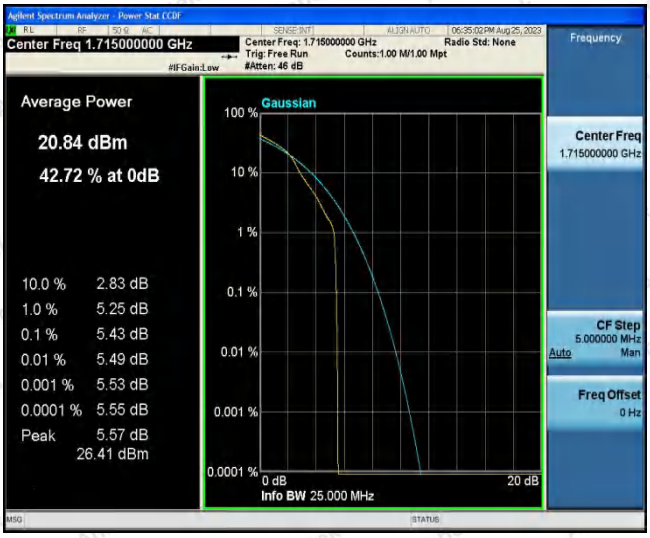

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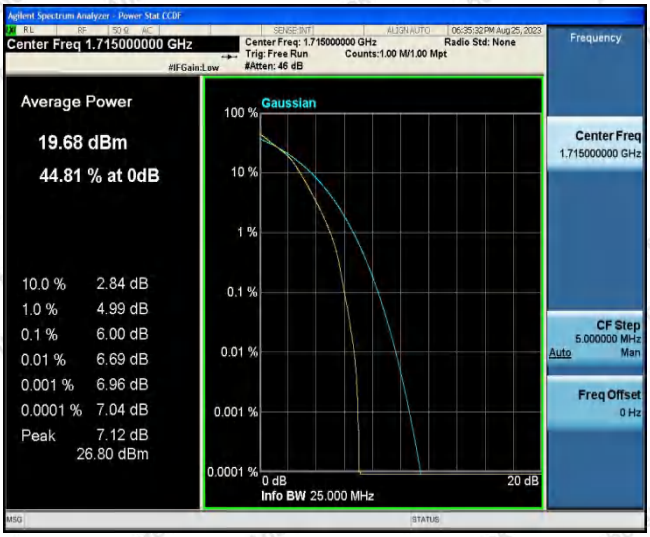

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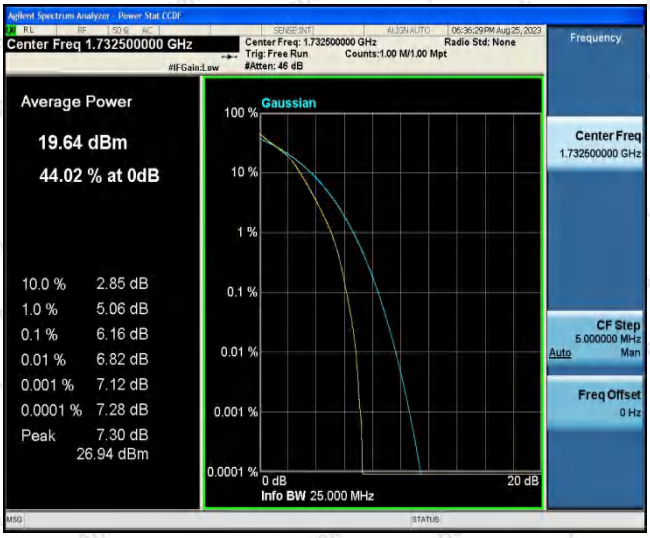

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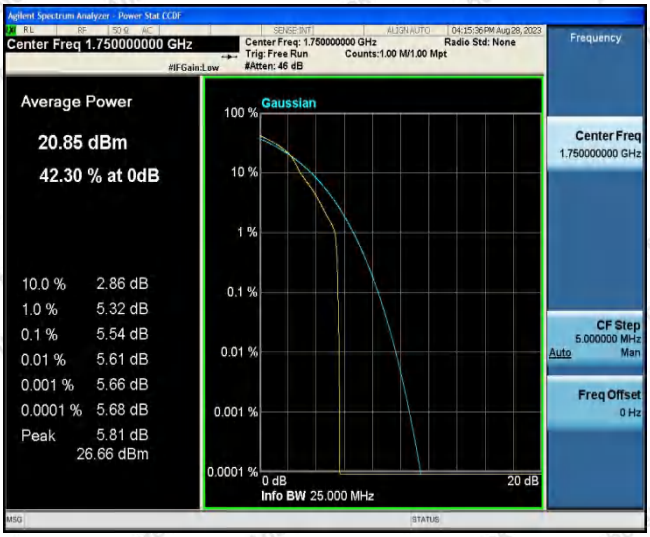

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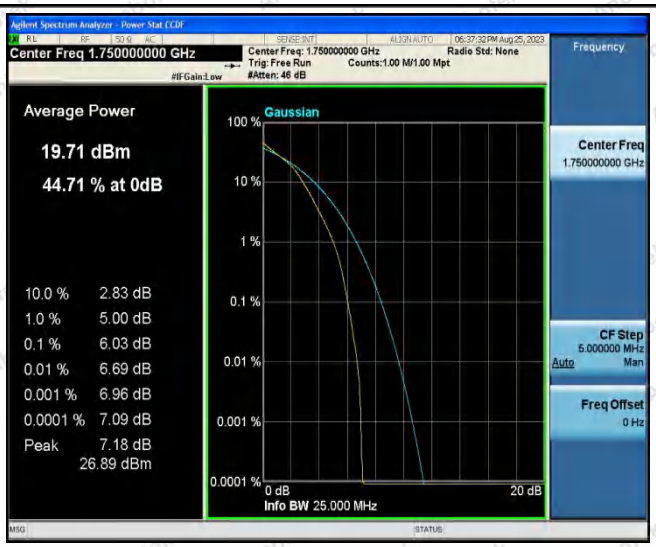

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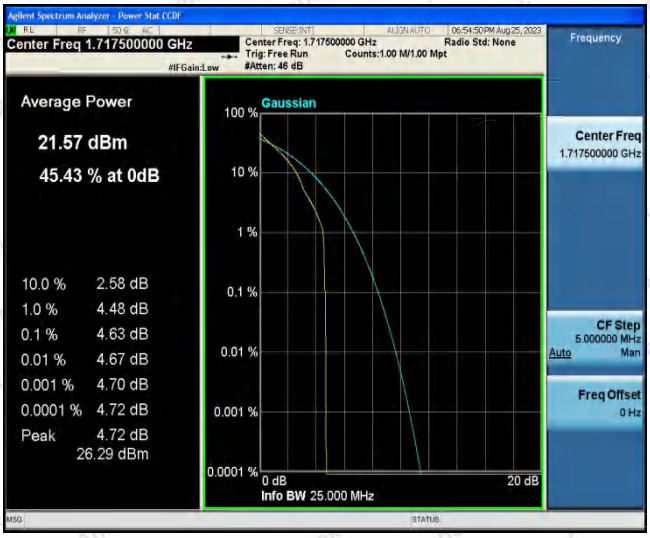

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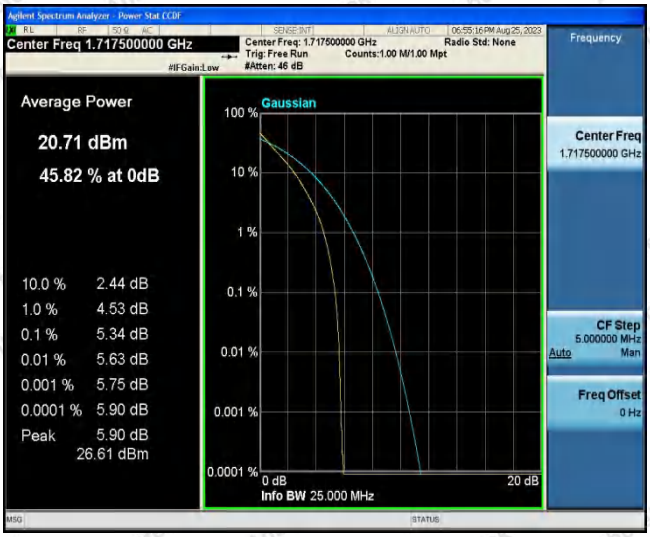

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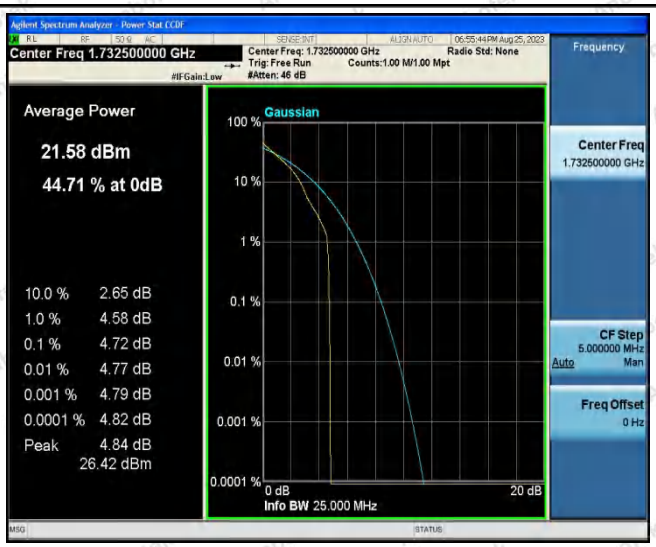
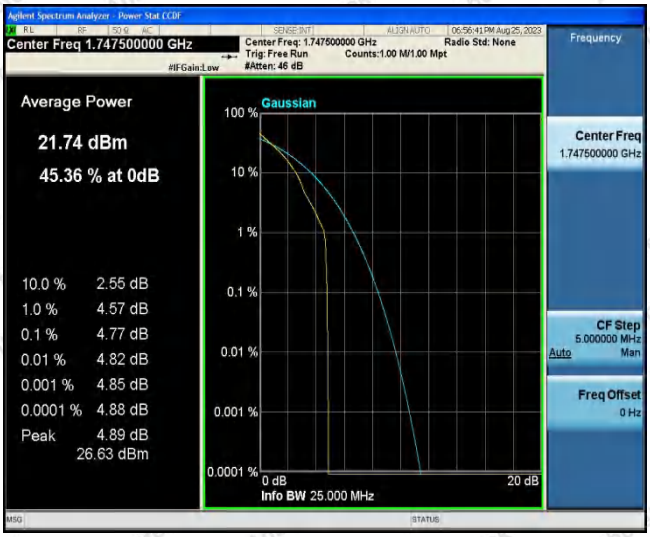


Band4-15MHz-QPSK-20175-75RB#0

Band4-15MHz-QPSK-20325-1RB#0



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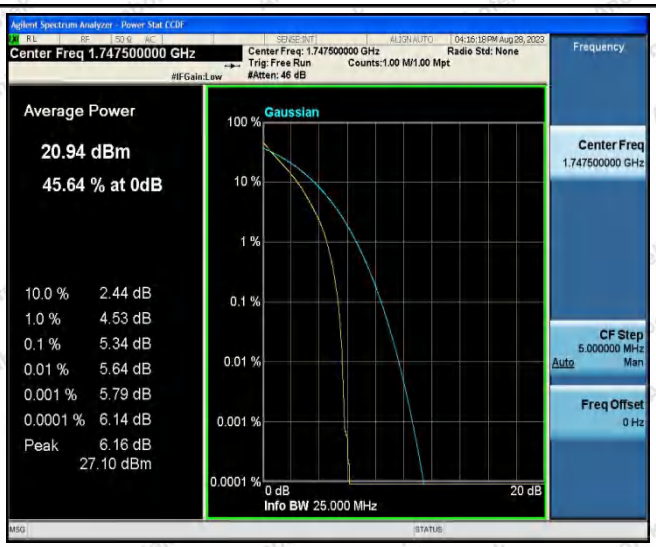

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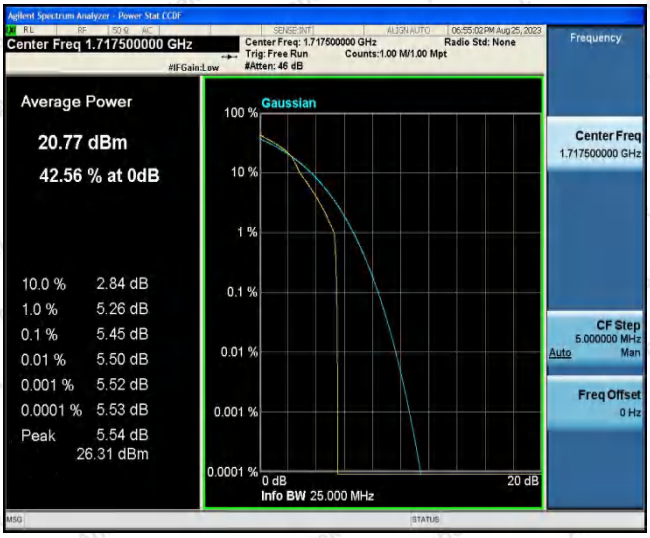

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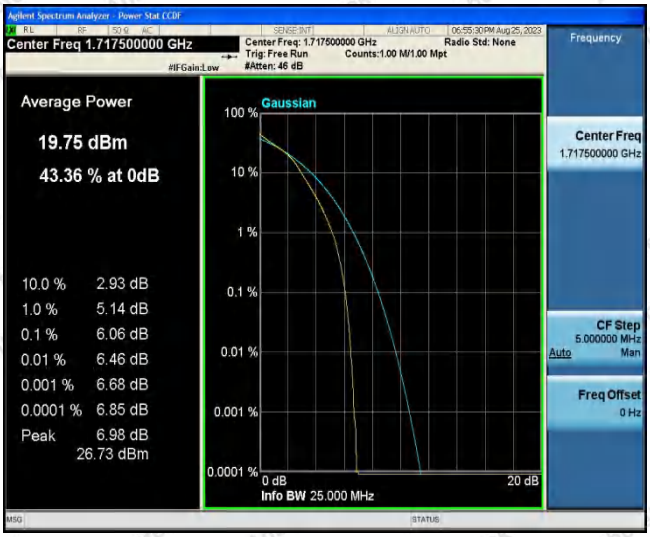
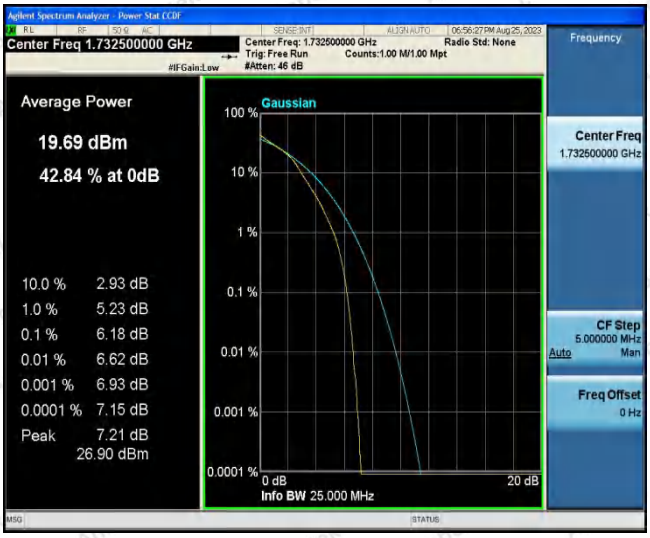
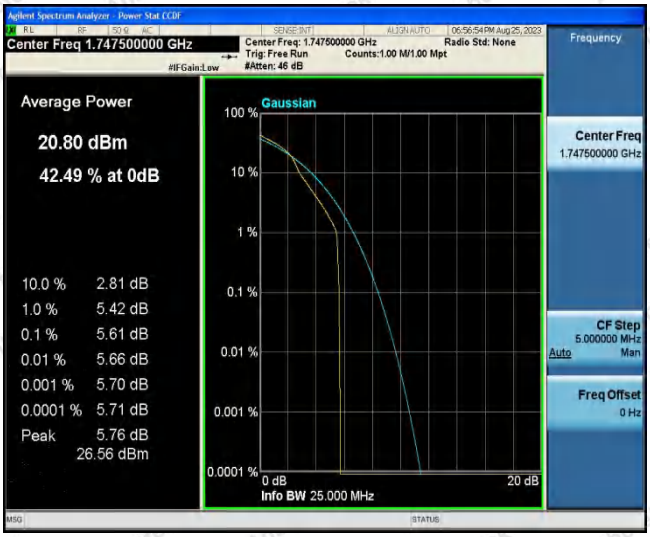


Band4-15MHz-16QAM-20175-1RB#0

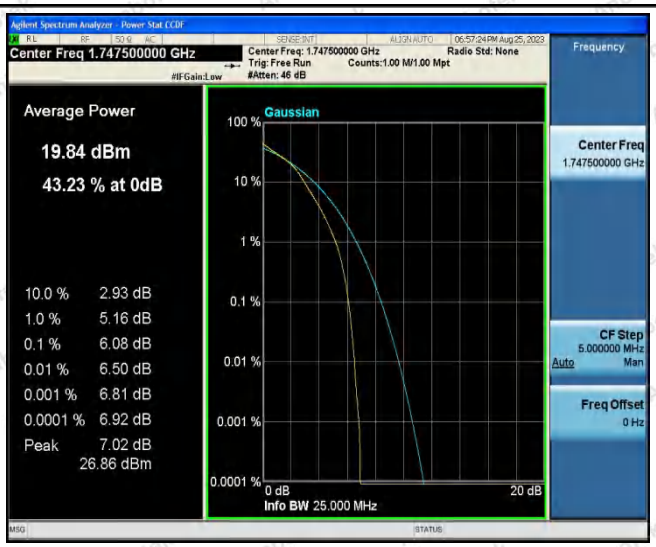
Band4-15MHz-16QAM-20175-75RB#0



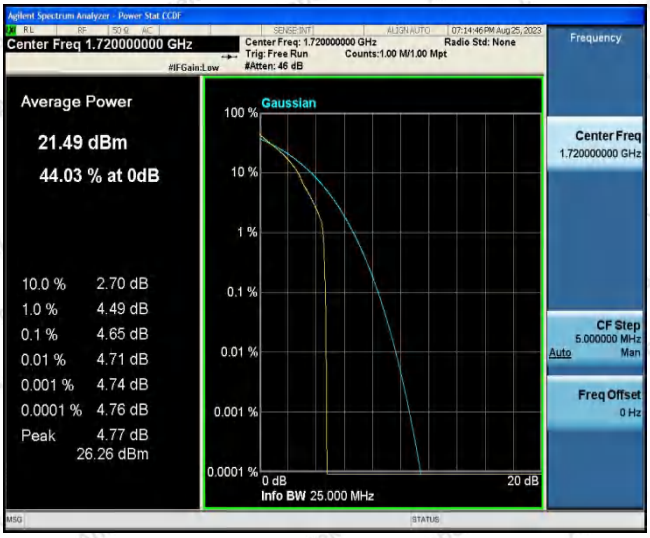
Band4-15MHz-16QAM-20325-1RB#0



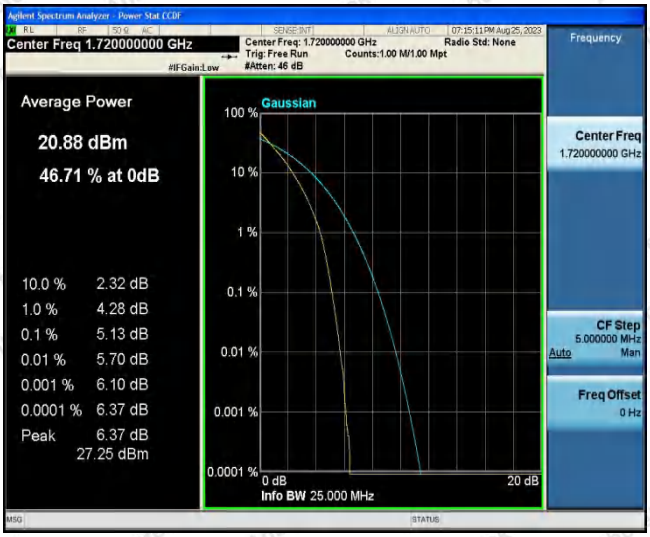
Band4-15MHz-16QAM-20325-75RB#0



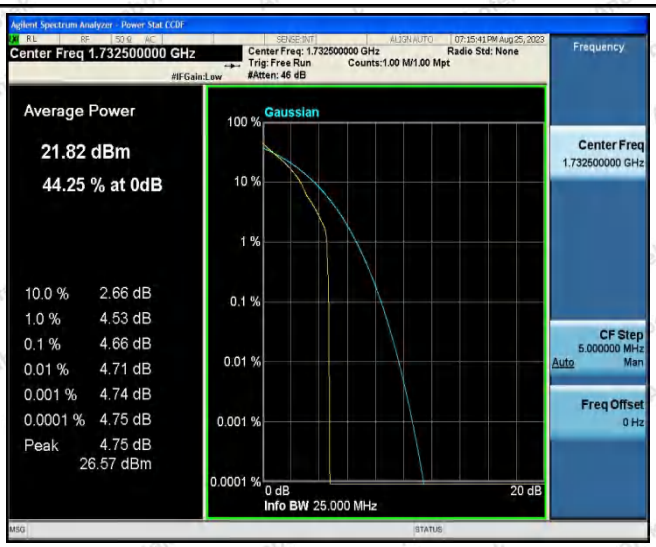
Band4-20MHz-QPSK-20050-1RB#0



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

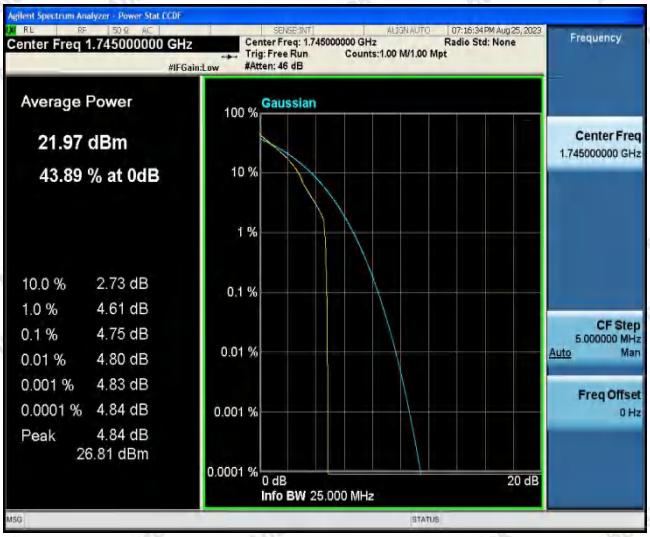


Band4-20MHz-QPSK-20175-1RB#0

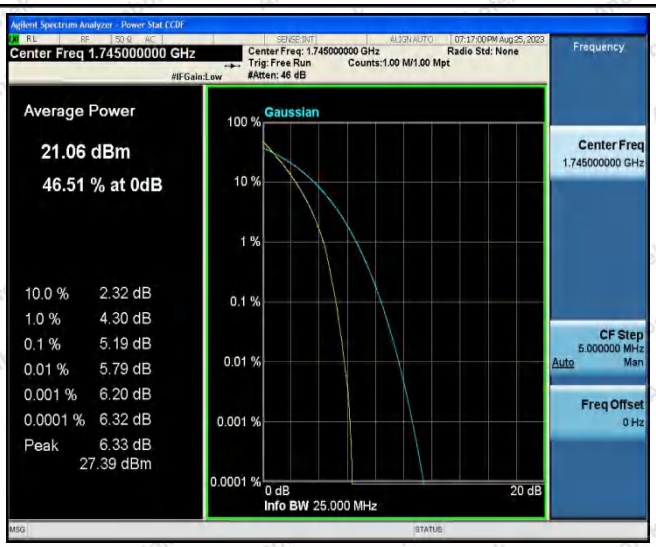


Band4-20MHz-QPSK-20175-100RB#0

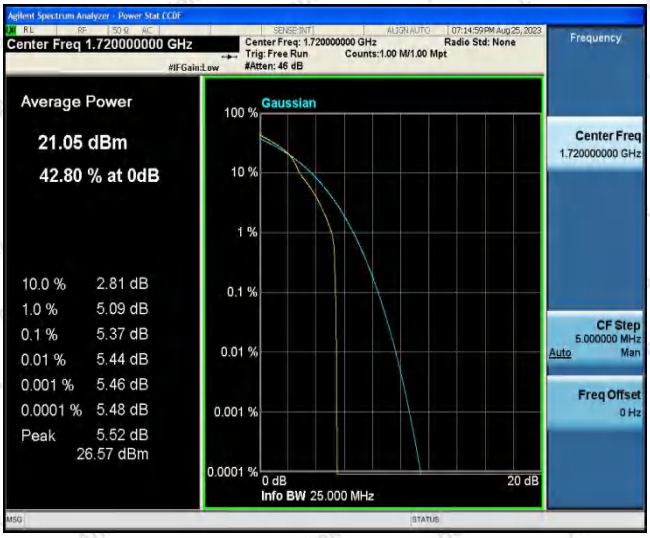
Band4-20MHz-QPSK-20300-1RB#0



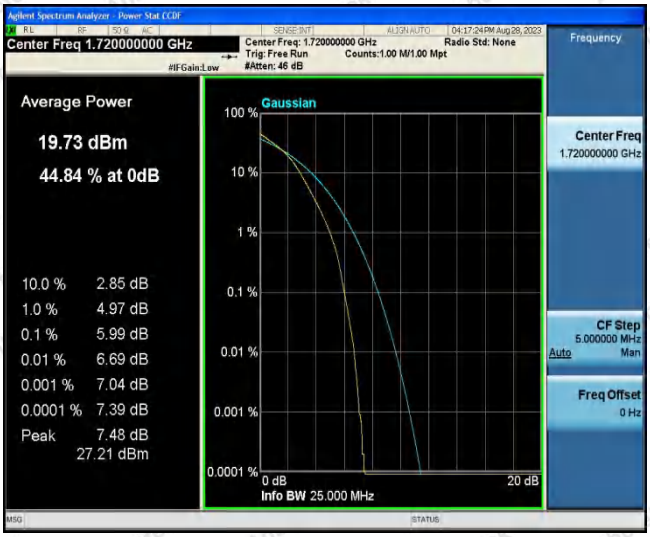
Band4-20MHz-QPSK-20300-100RB#0



Band4-20MHz-16QAM-20050-1RB#0

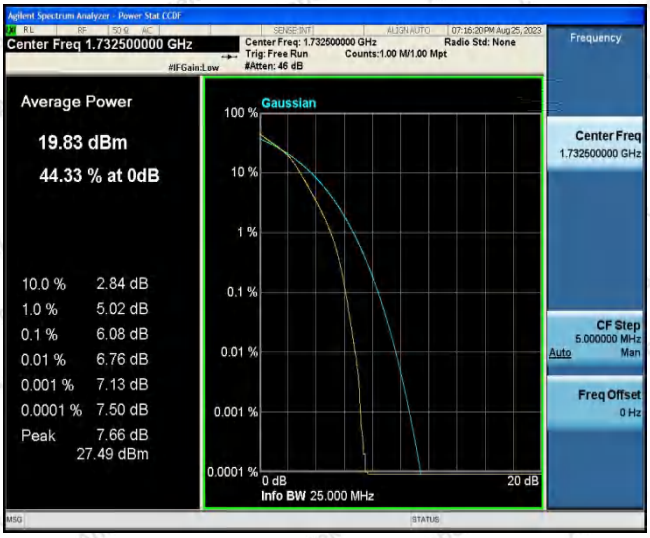


Band4-20MHz-16QAM-20050-100RB#0

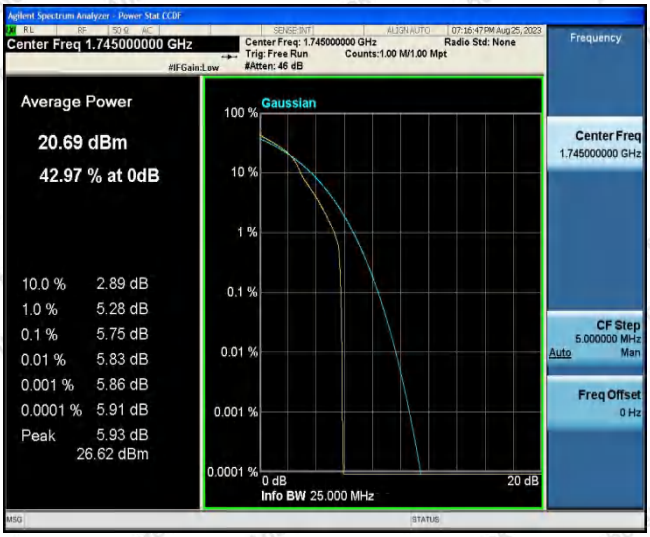


Band4-20MHz-16QAM-20175-1RB#0

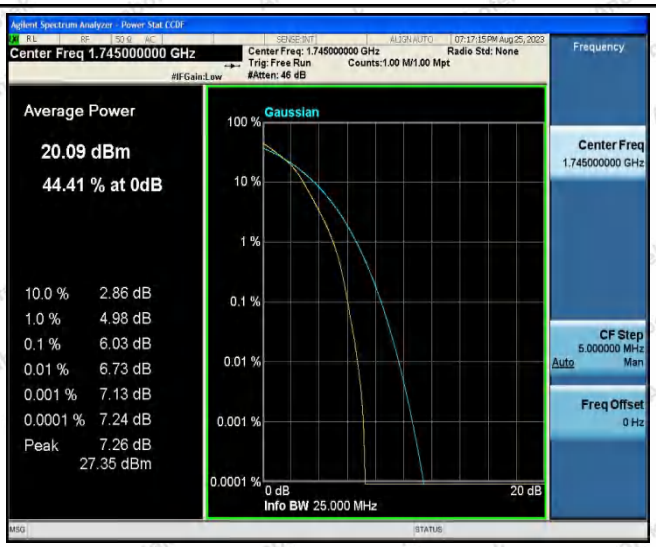
Band4-20MHz-16QAM-20175-100RB#0



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



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


Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 1.745000000 GHz
Center Freq: 1.745000000 GHz
Trig: Free Run
Counts:1.00 M/1.00 Mpt
#Atten: 46 dB
Radio Std: None
Frequency
Average Power
20.09 dBm
44.41 % at 0dB
10.0 % 2.86 dB
1.0 % 4.98 dB
0.1 % 6.03 dB
0.01 % 6.73 dB
0.001 % 7.13 dB
0.0001 % 7.24 dB
Peak 7.26 dB
27.35 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Center Freq
1.745000000 GHz
CF Step
5.000000 MHz
Auto Man
Freq Offset
0 Hz

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	1.1010	1.288	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0965	1.287	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0858	1.282	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0957	1.283	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0961	1.300	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.1028	1.297	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6951	2.929	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6878	2.962	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6961	2.962	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6964	2.950	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6957	2.947	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6927	2.978	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5210	5.016	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5175	5.025	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5081	5.014	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5034	5.010	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5016	4.989	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5049	4.972	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9588	9.887	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9607	9.869	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9798	9.800	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9685	9.901	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9477	9.859	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9583	9.912	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.443	14.71	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.448	14.76	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.431	14.74	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.442	14.66	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.447	14.76	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.430	14.71	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.888	19.41	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.933	19.38	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.920	19.55	PASS

Band4	20MHz	16QAM	20050	100RB#0	17.932	19.36	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.976	19.38	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.888	19.43	PASS

Test Graphs

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

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

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

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

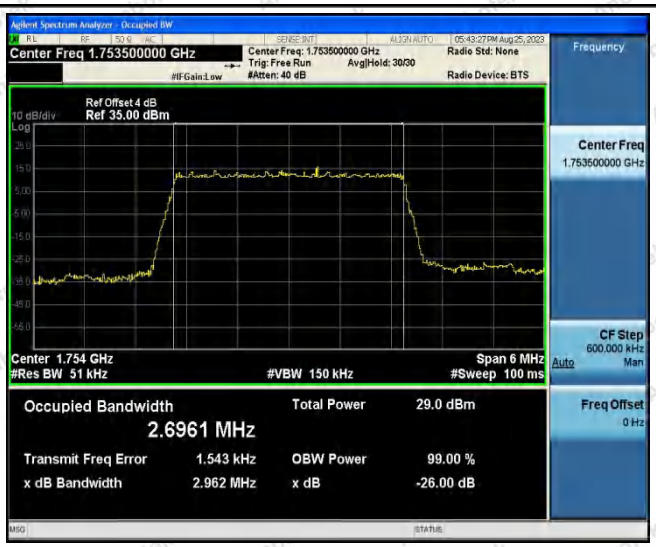
Band4-1.4MHz-16QAM-20175-6RB#0

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

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

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

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

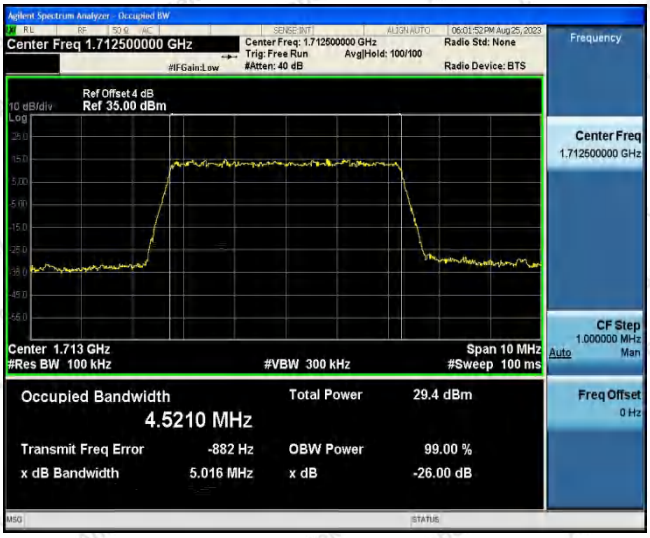


Band4-3MHz-16QAM-19965-15RB#0

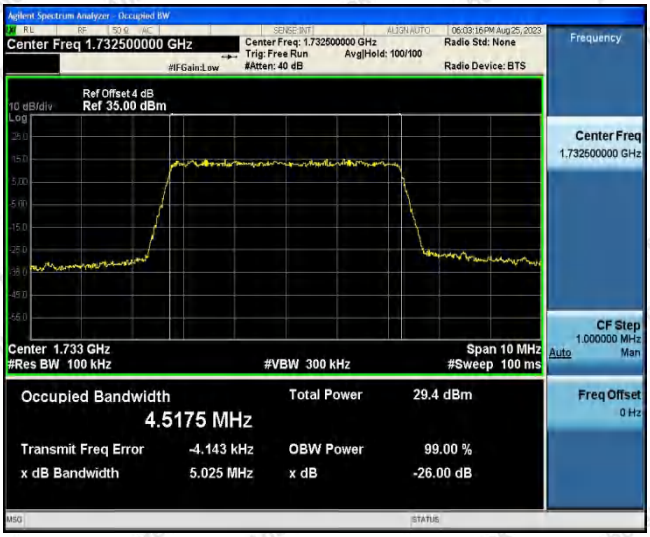
Band4-3MHz-16QAM-20175-15RB#0

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

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

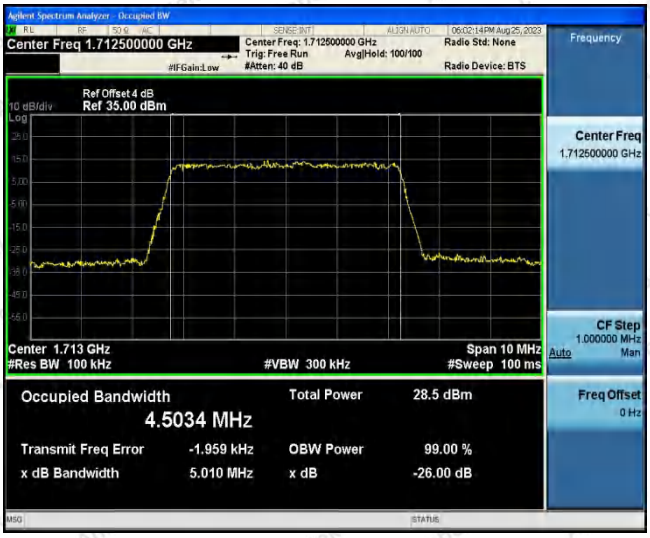


Band4-5MHz-QPSK-20175-25RB#0



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

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



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

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

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

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

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

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

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

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

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

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

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

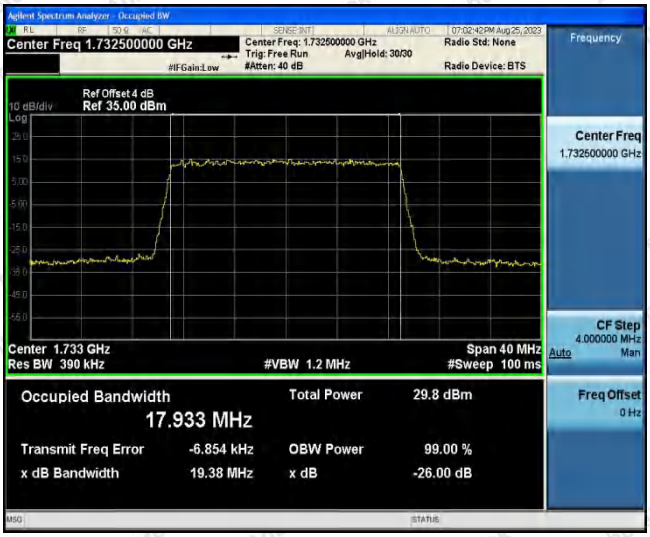
Band4-15MHz-16QAM-20025-75RB#0

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

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

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

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



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

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

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

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

Agilent Spectrum Analyzer - Occupied BW
Center Freq 1.745000000 GHz
Center Freq: 1.745000000 GHz
Trig: Free Run
Avg|Hold: 30/30
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 4 dB
10 dB/div
Ref 35.00 dBm
Log
Center Freq
1.745000000 GHz
Center 1.745 GHz
Res BW 390 kHz
#VBW 1.2 MHz
Span 40 MHz
#Sweep 100 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.888 MHz
Total Power
29.5 dBm
Transmit Freq Error
23.339 kHz
OBW Power
99.00 %
x dB Bandwidth
19.43 MHz
x dB
-26.00 dB
Freq Offset
0 Hz
MSG
STATUS

Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-29.03	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	-50.54	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	-52.25	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-36.31	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-35.27	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	-47.15	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	-48.25	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-28.80	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-30.16	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-28.12	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-35.14	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-35.28	PASS
Band4	3MHz	QPSK	19965	1RB#0	-24.55	PASS
Band4	3MHz	16QAM	19965	1RB#0	-25.21	PASS
Band4	3MHz	QPSK	19965	1RB#14	-47.56	PASS
Band4	3MHz	16QAM	19965	1RB#14	-47.15	PASS
Band4	3MHz	QPSK	19965	15RB#0	-30.98	PASS
Band4	3MHz	16QAM	19965	15RB#0	-32.67	PASS
Band4	3MHz	QPSK	20385	1RB#0	-46.05	PASS
Band4	3MHz	16QAM	20385	1RB#0	-48.12	PASS
Band4	3MHz	QPSK	20385	1RB#14	-24.46	PASS
Band4	3MHz	16QAM	20385	1RB#14	-22.85	PASS
Band4	3MHz	QPSK	20385	15RB#0	-30.94	PASS
Band4	3MHz	16QAM	20385	15RB#0	-31.13	PASS
Band4	5MHz	QPSK	19975	1RB#0	-23.08	PASS
Band4	5MHz	16QAM	19975	1RB#0	-24.81	PASS
Band4	5MHz	QPSK	19975	1RB#24	-55.67	PASS
Band4	5MHz	16QAM	19975	1RB#24	-57.22	PASS
Band4	5MHz	QPSK	19975	25RB#0	-31.53	PASS
Band4	5MHz	16QAM	19975	25RB#0	-31.67	PASS
Band4	5MHz	QPSK	20375	1RB#0	-56.07	PASS
Band4	5MHz	16QAM	20375	1RB#0	-57.01	PASS
Band4	5MHz	QPSK	20375	1RB#24	-22.05	PASS
Band4	5MHz	16QAM	20375	1RB#24	-25.56	PASS
Band4	5MHz	QPSK	20375	25RB#0	-31.28	PASS

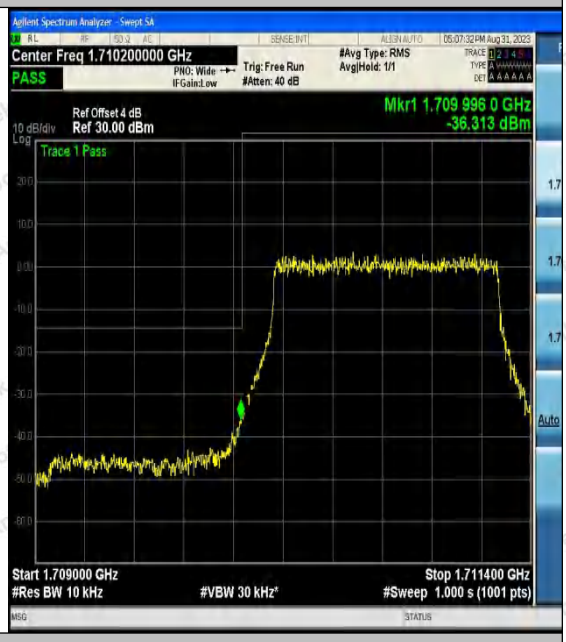
Band4	5MHz	16QAM	20375	25RB#0	-31.56	PASS
Band4	10MHz	QPSK	20000	1RB#0	-34.15	PASS
Band4	10MHz	16QAM	20000	1RB#0	-36.67	PASS
Band4	10MHz	QPSK	20000	1RB#49	-52.88	PASS
Band4	10MHz	16QAM	20000	1RB#49	-52.64	PASS
Band4	10MHz	QPSK	20000	50RB#0	-35.94	PASS
Band4	10MHz	16QAM	20000	50RB#0	-36.60	PASS
Band4	10MHz	QPSK	20350	1RB#0	-54.31	PASS
Band4	10MHz	16QAM	20350	1RB#0	-54.46	PASS
Band4	10MHz	QPSK	20350	1RB#49	-35.06	PASS
Band4	10MHz	16QAM	20350	1RB#49	-35.69	PASS
Band4	10MHz	QPSK	20350	50RB#0	-34.69	PASS
Band4	10MHz	16QAM	20350	50RB#0	-35.64	PASS
Band4	15MHz	QPSK	20025	1RB#0	-30.92	PASS
Band4	15MHz	16QAM	20025	1RB#0	-31.26	PASS
Band4	15MHz	QPSK	20025	1RB#74	-50.38	PASS
Band4	15MHz	16QAM	20025	1RB#74	-51.85	PASS
Band4	15MHz	16QAM	20025	75RB#0	-38.59	PASS
Band4	15MHz	QPSK	20025	75RB#0	-38.14	PASS
Band4	15MHz	QPSK	20325	1RB#0	-49.08	PASS
Band4	15MHz	16QAM	20325	1RB#0	-48.76	PASS
Band4	15MHz	QPSK	20325	1RB#74	-30.67	PASS
Band4	15MHz	16QAM	20325	1RB#74	-30.94	PASS
Band4	15MHz	QPSK	20325	75RB#0	-37.13	PASS
Band4	15MHz	16QAM	20325	75RB#0	-37.85	PASS
Band4	20MHz	QPSK	20050	1RB#0	-33.39	PASS
Band4	20MHz	16QAM	20050	1RB#0	-34.06	PASS
Band4	20MHz	QPSK	20050	1RB#99	-53.87	PASS
Band4	20MHz	16QAM	20050	1RB#99	-53.93	PASS
Band4	20MHz	QPSK	20050	100RB#0	-40.28	PASS
Band4	20MHz	16QAM	20050	100RB#0	-39.73	PASS
Band4	20MHz	QPSK	20300	1RB#0	-53.82	PASS
Band4	20MHz	16QAM	20300	1RB#0	-53.85	PASS
Band4	20MHz	QPSK	20300	1RB#99	-34.41	PASS
Band4	20MHz	16QAM	20300	1RB#99	-35.01	PASS
Band4	20MHz	QPSK	20300	100RB#0	-38.24	PASS
Band4	20MHz	16QAM	20300	100RB#0	-37.90	PASS

Test Graphs

Band4_1.4MHz_QPSK_19957_1RB#0

Band4_1.4MHz_QPSK_19957_1RB#5

Band4_1.4MHz_16QAM_19957_1RB#5



Band4_1.4MHz_QPSK_19957_6RB#0

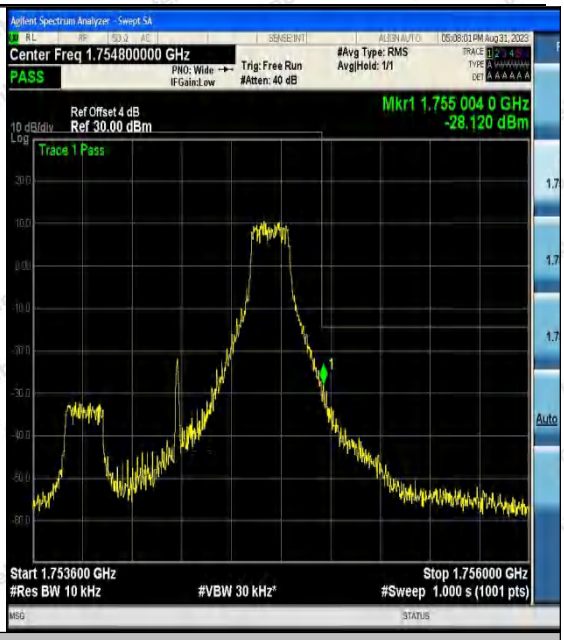
Band4_1.4MHz_16QAM_19957_6RB#0

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_19957_1RB#0



Band4_1.4MHz_16QAM_20393_1RB#5

Band4_1.4MHz_QPSK_20393_6RB#0

Band4_1.4MHz_16QAM_20393_6RB#0