Appendix for LTE BAND 4

Product Name: Smart Phone

Model No: X68

Appendix A: Average Power Output Data

Test Result

Normal:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	23.31	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.18	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.34	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.33	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.22	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	23.43	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	22.19	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	23.46	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	22.18	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	23.42	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	22.18	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.38	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.41	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.14	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.04	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.21	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.18	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.09	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.99	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.22	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.98	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	23.22	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	22.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	23.20	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.97	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.21	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.20	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.80	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.63	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	24.01	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.83	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.81	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.66	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	23.88	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	22.63	PASS

Band4	1.4MHz	QPSK	20393	3RB#1	23.86	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	22.63	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	23.86	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	22.63	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.88	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.87	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.36	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.39	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.37	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.33	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.43	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.46	PASS
Band4	3MHz	QPSK	19965	8RB#0	22.40	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.48	PASS
Band4	3MHz	QPSK	19965	8RB#4	22.41	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.47	PASS
Band4	3MHz	QPSK	19965	8RB#7	22.40	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.44	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.36	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.44	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.22	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.20	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.15	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.18	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.14	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.18	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.16	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.27	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.19	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.25	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.22	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.24	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.11	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.24	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.83	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.84	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.88	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.86	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.90	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.85	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.85	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.90	PASS

Band4	3MHz	QPSK	20385	8RB#4	22.88	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.90	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.92	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.92	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.85	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.86	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.41	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.33	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.51	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.47	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.40	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.31	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.46	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.40	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.45	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.39	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.47	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.44	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.46	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.51	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.22	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.12	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.25	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.15	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.16	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.06	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.14	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.21	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.19	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.19	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.18	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.19	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.21	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.29	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.79	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.67	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.96	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.84	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.91	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.80	PASS
Band4	5MHz	QPSK	20375	12RB#0	22.83	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.81	PASS

Band4	5MHz	QPSK	20375	12RB#6	22.82	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.80	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.82	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.87	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.86	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.91	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.43	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.42	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.59	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.64	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.46	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.50	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.55	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.63	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.54	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.62	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.52	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.58	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.54	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.59	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.22	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.20	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.29	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.33	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.19	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.11	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.28	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.29	PASS
Band4	10MHz	QPSK	20175	25RB#12	22.26	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.32	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.23	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.28	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.23	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.30	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.63	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.63	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.95	PASS
Band4	10MHz	16QAM	20350	1RB#24	23.02	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.91	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.90	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.76	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.84	PASS

Band4	10MHz	QPSK	20350	25RB#12	22.76	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.81	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.94	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.95	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.81	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.89	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.44	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.42	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.50	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.58	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.28	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.32	PASS
Band4	15MHz	QPSK	20025	38RB#0	22.61	PASS
Band4	15MHz	16QAM	20025	38RB#0	22.56	PASS
Band4	15MHz	QPSK	20025	38RB#18	22.57	PASS
Band4	15MHz	16QAM	20025	38RB#18	22.55	PASS
Band4	15MHz	QPSK	20025	38RB#37	22.58	PASS
Band4	15MHz	16QAM	20025	38RB#37	22.60	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.54	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.61	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.25	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.30	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.17	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.23	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.14	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.04	PASS
Band4	15MHz	QPSK	20175	38RB#0	22.33	PASS
Band4	15MHz	16QAM	20175	38RB#0	22.25	PASS
Band4	15MHz	QPSK	20175	38RB#18	22.29	PASS
Band4	15MHz	16QAM	20175	38RB#18	22.32	PASS
Band4	15MHz	QPSK	20175	38RB#37	22.33	PASS
Band4	15MHz	16QAM	20175	38RB#37	22.33	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.28	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.27	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.34	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.39	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.69	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.69	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.75	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.71	PASS
Band4	15MHz	QPSK	20325	38RB#0	22.76	PASS
Band4	15MHz	16QAM	20325	38RB#0	22.81	PASS

Band4	15MHz	QPSK	20325	38RB#18	22.80	PASS
Band4	15MHz	16QAM	20325	38RB#18	22.73	PASS
Band4	15MHz	QPSK	20325	38RB#37	22.79	PASS
Band4	15MHz	16QAM	20325	38RB#37	22.74	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.74	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.70	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.31	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.18	PASS
Band4	20MHz	QPSK	20050	1RB#49	24.05	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.51	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.08	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.56	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.63	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.52	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.67	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.41	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.51	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.48	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.57	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.21	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.06	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.39	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.20	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.07	PASS
Band4	20MHz	16QAM	20175	1RB#99	21.92	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.26	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.31	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.25	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.38	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.11	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.18	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	23.09	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.98	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.64	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.49	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.60	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.43	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.42	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.51	PASS

Band4	20MHz	QPSK	20300	50RB#25	22.38	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.48	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.62	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.66	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.47	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.58	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	4.14	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	5.25	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	4.78	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	5.62	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	4.49	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.39	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.07	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.94	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	4.17	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	5.28	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	4.78	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	5.65	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	4.14	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	5.04	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	4.93	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	5.77	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	4.46	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	5.36	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.13	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.94	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	4.17	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	5.13	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	4.90	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	5.74	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	4.26	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	4.99	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.07	13	PASS

Band4	5MHz	16QAM	19975	25RB#0	5.86	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	4.61	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	5.36	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.19	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.97	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	4.35	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	5.07	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.96	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.77	13	PASS
Band4	10MHz	QPSK	20000	1RB#0	4.20	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	5.10	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.16	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	5.97	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	4.55	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	5.42	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.16	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.00	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	4.23	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	5.19	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	4.96	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	5.80	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	4.26	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	5.16	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.45	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.12	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	4.67	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	5.59	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.36	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.06	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	4.29	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	5.25	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.16	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	5.86	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	4.26	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	5.04	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.25	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.12	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	4.84	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	5.77	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.22	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.06	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	4.46	13	PASS

Band4	20MHz	16QAM	20300	1RB#0	5.19	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.01	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.88	13	PASS

Receiver ON:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	17.35	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	17.29	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	17.49	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	17.48	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	17.30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	17.27	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	17.44	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	17.27	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	17.43	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	17.29	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	17.36	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	17.26	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	17.43	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	17.45	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	17.06	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	17.02	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	17.22	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	17.24	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	17.01	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	17.09	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	17.15	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	16.99	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	17.18	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	17.07	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	17.19	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	17.01	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	17.17	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	17.17	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	17.65	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	17.59	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	17.81	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	17.80	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	17.70	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	17.65	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	17.77	PASS

Band4	1.4MHz	16QAM	20393	3RB#0	17.59	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	17.75	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	17.61	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	17.76	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	17.62	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	17.81	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	17.80	PASS
Band4	3MHz	QPSK	19965	1RB#0	17.44	PASS
Band4	3MHz	16QAM	19965	1RB#0	17.54	PASS
Band4	3MHz	QPSK	19965	1RB#8	17.39	PASS
Band4	3MHz	16QAM	19965	1RB#8	17.44	PASS
Band4	3MHz	QPSK	19965	1RB#14	17.43	PASS
Band4	3MHz	16QAM	19965	1RB#14	17.53	PASS
Band4	3MHz	QPSK	19965	8RB#0	17.41	PASS
Band4	3MHz	16QAM	19965	8RB#0	17.51	PASS
Band4	3MHz	QPSK	19965	8RB#4	17.42	PASS
Band4	3MHz	16QAM	19965	8RB#4	17.49	PASS
Band4	3MHz	QPSK	19965	8RB#7	17.46	PASS
Band4	3MHz	16QAM	19965	8RB#7	17.49	PASS
Band4	3MHz	QPSK	19965	15RB#0	17.41	PASS
Band4	3MHz	16QAM	19965	15RB#0	17.48	PASS
Band4	3MHz	QPSK	20175	1RB#0	17.22	PASS
Band4	3MHz	16QAM	20175	1RB#0	17.23	PASS
Band4	3MHz	QPSK	20175	1RB#8	17.18	PASS
Band4	3MHz	16QAM	20175	1RB#8	17.23	PASS
Band4	3MHz	QPSK	20175	1RB#14	17.14	PASS
Band4	3MHz	16QAM	20175	1RB#14	17.25	PASS
Band4	3MHz	QPSK	20175	8RB#0	17.18	PASS
Band4	3MHz	16QAM	20175	8RB#0	17.24	PASS
Band4	3MHz	QPSK	20175	8RB#4	17.16	PASS
Band4	3MHz	16QAM	20175	8RB#4	17.23	PASS
Band4	3MHz	QPSK	20175	8RB#7	17.17	PASS
Band4	3MHz	16QAM	20175	8RB#7	17.22	PASS
Band4	3MHz	QPSK	20175	15RB#0	17.15	PASS
Band4	3MHz	16QAM	20175	15RB#0	17.21	PASS
Band4	3MHz	QPSK	20385	1RB#0	17.75	PASS
Band4	3MHz	16QAM	20385	1RB#0	17.78	PASS
Band4	3MHz	QPSK	20385	1RB#8	17.77	PASS
Band4	3MHz	16QAM	20385	1RB#8	17.77	PASS
Band4	3MHz	QPSK	20385	1RB#14	17.78	PASS
Band4	3MHz	16QAM	20385	1RB#14	17.83	PASS
Band4	3MHz	QPSK	20385	8RB#0	17.72	PASS

Band4	3MHz	16QAM	20385	8RB#0	17.80	PASS
Band4	3MHz	QPSK	20385	8RB#4	17.76	PASS
Band4	3MHz	16QAM	20385	8RB#4	17.82	PASS
Band4	3MHz	QPSK	20385	8RB#7	17.76	PASS
Band4	3MHz	16QAM	20385	8RB#7	17.78	PASS
Band4	3MHz	QPSK	20385	15RB#0	17.74	PASS
Band4	3MHz	16QAM	20385	15RB#0	17.80	PASS
Band4	5MHz	QPSK	19975	1RB#0	17.45	PASS
Band4	5MHz	16QAM	19975	1RB#0	17.37	PASS
Band4	5MHz	QPSK	19975	1RB#12	17.58	PASS
Band4	5MHz	16QAM	19975	1RB#12	17.51	PASS
Band4	5MHz	QPSK	19975	1RB#24	17.53	PASS
Band4	5MHz	16QAM	19975	1RB#24	17.71	PASS
Band4	5MHz	QPSK	19975	12RB#0	17.41	PASS
Band4	5MHz	16QAM	19975	12RB#0	17.44	PASS
Band4	5MHz	QPSK	19975	12RB#6	17.40	PASS
Band4	5MHz	16QAM	19975	12RB#6	17.46	PASS
Band4	5MHz	QPSK	19975	12RB#13	17.39	PASS
Band4	5MHz	16QAM	19975	12RB#13	17.36	PASS
Band4	5MHz	QPSK	19975	25RB#0	17.43	PASS
Band4	5MHz	16QAM	19975	25RB#0	17.48	PASS
Band4	5MHz	QPSK	20175	1RB#0	17.24	PASS
Band4	5MHz	16QAM	20175	1RB#0	17.19	PASS
Band4	5MHz	QPSK	20175	1RB#12	17.26	PASS
Band4	5MHz	16QAM	20175	1RB#12	17.22	PASS
Band4	5MHz	QPSK	20175	1RB#24	17.15	PASS
Band4	5MHz	16QAM	20175	1RB#24	17.09	PASS
Band4	5MHz	QPSK	20175	12RB#0	17.18	PASS
Band4	5MHz	16QAM	20175	12RB#0	17.15	PASS
Band4	5MHz	QPSK	20175	12RB#6	17.14	PASS
Band4	5MHz	16QAM	20175	12RB#6	17.16	PASS
Band4	5MHz	QPSK	20175	12RB#13	17.13	PASS
Band4	5MHz	16QAM	20175	12RB#13	17.11	PASS
Band4	5MHz	QPSK	20175	25RB#0	17.11	PASS
Band4	5MHz	16QAM	20175	25RB#0	17.21	PASS
Band4	5MHz	QPSK	20375	1RB#0	17.66	PASS
Band4	5MHz	16QAM	20375	1RB#0	17.66	PASS
Band4	5MHz	QPSK	20375	1RB#12	17.80	PASS
Band4	5MHz	16QAM	20375	1RB#12	17.73	PASS
Band4	5MHz	QPSK	20375	1RB#24	17.79	PASS
Band4	5MHz	16QAM	20375	1RB#24	17.75	PASS
Band4	5MHz	QPSK	20375	12RB#0	17.68	PASS

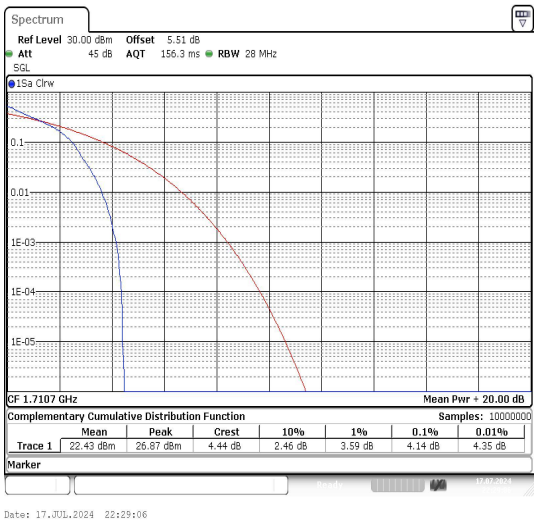
Band4	5MHz	16QAM	20375	12RB#0	17.64	PASS
Band4	5MHz	QPSK	20375	12RB#6	17.67	PASS
Band4	5MHz	16QAM	20375	12RB#6	17.68	PASS
Band4	5MHz	QPSK	20375	12RB#13	17.65	PASS
Band4	5MHz	16QAM	20375	12RB#13	17.69	PASS
Band4	5MHz	QPSK	20375	25RB#0	17.70	PASS
Band4	5MHz	16QAM	20375	25RB#0	17.75	PASS
Band4	10MHz	QPSK	20000	1RB#0	17.44	PASS
Band4	10MHz	16QAM	20000	1RB#0	17.50	PASS
Band4	10MHz	QPSK	20000	1RB#24	17.60	PASS
Band4	10MHz	16QAM	20000	1RB#24	17.63	PASS
Band4	10MHz	QPSK	20000	1RB#49	17.42	PASS
Band4	10MHz	16QAM	20000	1RB#49	17.49	PASS
Band4	10MHz	QPSK	20000	25RB#0	17.52	PASS
Band4	10MHz	16QAM	20000	25RB#0	17.55	PASS
Band4	10MHz	QPSK	20000	25RB#12	17.52	PASS
Band4	10MHz	16QAM	20000	25RB#12	17.61	PASS
Band4	10MHz	QPSK	20000	25RB#25	17.51	PASS
Band4	10MHz	16QAM	20000	25RB#25	17.47	PASS
Band4	10MHz	QPSK	20000	50RB#0	17.52	PASS
Band4	10MHz	16QAM	20000	50RB#0	17.59	PASS
Band4	10MHz	QPSK	20175	1RB#0	17.28	PASS
Band4	10MHz	16QAM	20175	1RB#0	17.33	PASS
Band4	10MHz	QPSK	20175	1RB#24	17.31	PASS
Band4	10MHz	16QAM	20175	1RB#24	17.28	PASS
Band4	10MHz	QPSK	20175	1RB#49	17.11	PASS
Band4	10MHz	16QAM	20175	1RB#49	17.18	PASS
Band4	10MHz	QPSK	20175	25RB#0	17.25	PASS
Band4	10MHz	16QAM	20175	25RB#0	17.28	PASS
Band4	10MHz	QPSK	20175	25RB#12	17.25	PASS
Band4	10MHz	16QAM	20175	25RB#12	17.28	PASS
Band4	10MHz	QPSK	20175	25RB#25	17.15	PASS
Band4	10MHz	16QAM	20175	25RB#25	17.17	PASS
Band4	10MHz	QPSK	20175	50RB#0	17.18	PASS
Band4	10MHz	16QAM	20175	50RB#0	17.23	PASS
Band4	10MHz	QPSK	20350	1RB#0	17.52	PASS
Band4	10MHz	16QAM	20350	1RB#0	17.57	PASS
Band4	10MHz	QPSK	20350	1RB#24	17.88	PASS
Band4	10MHz	16QAM	20350	1RB#24	17.90	PASS
Band4	10MHz	QPSK	20350	1RB#49	17.77	PASS
Band4	10MHz	16QAM	20350	1RB#49	17.87	PASS
Band4	10MHz	QPSK	20350	25RB#0	17.66	PASS

Band4	10MHz	16QAM	20350	25RB#0	17.69	PASS
Band4	10MHz	QPSK	20350	25RB#12	17.65	PASS
Band4	10MHz	16QAM	20350	25RB#12	17.71	PASS
Band4	10MHz	QPSK	20350	25RB#25	17.77	PASS
Band4	10MHz	16QAM	20350	25RB#25	17.75	PASS
Band4	10MHz	QPSK	20350	50RB#0	17.68	PASS
Band4	10MHz	16QAM	20350	50RB#0	17.74	PASS
Band4	15MHz	QPSK	20025	1RB#0	17.44	PASS
Band4	15MHz	16QAM	20025	1RB#0	17.54	PASS
Band4	15MHz	QPSK	20025	1RB#38	17.59	PASS
Band4	15MHz	16QAM	20025	1RB#38	17.62	PASS
Band4	15MHz	QPSK	20025	1RB#74	17.30	PASS
Band4	15MHz	16QAM	20025	1RB#74	17.24	PASS
Band4	15MHz	QPSK	20025	38RB#0	17.56	PASS
Band4	15MHz	16QAM	20025	38RB#0	17.53	PASS
Band4	15MHz	QPSK	20025	38RB#18	17.56	PASS
Band4	15MHz	16QAM	20025	38RB#18	17.57	PASS
Band4	15MHz	QPSK	20025	38RB#37	17.56	PASS
Band4	15MHz	16QAM	20025	38RB#37	17.55	PASS
Band4	15MHz	QPSK	20025	75RB#0	17.55	PASS
Band4	15MHz	16QAM	20025	75RB#0	17.51	PASS
Band4	15MHz	QPSK	20175	1RB#0	17.30	PASS
Band4	15MHz	16QAM	20175	1RB#0	17.36	PASS
Band4	15MHz	QPSK	20175	1RB#38	17.20	PASS
Band4	15MHz	16QAM	20175	1RB#38	17.24	PASS
Band4	15MHz	QPSK	20175	1RB#74	17.01	PASS
Band4	15MHz	16QAM	20175	1RB#74	17.08	PASS
Band4	15MHz	QPSK	20175	38RB#0	17.24	PASS
Band4	15MHz	16QAM	20175	38RB#0	17.21	PASS
Band4	15MHz	QPSK	20175	38RB#18	17.23	PASS
Band4	15MHz	16QAM	20175	38RB#18	17.23	PASS
Band4	15MHz	QPSK	20175	38RB#37	17.22	PASS
Band4	15MHz	16QAM	20175	38RB#37	17.25	PASS
Band4	15MHz	QPSK	20175	75RB#0	17.21	PASS
Band4	15MHz	16QAM	20175	75RB#0	17.16	PASS
Band4	15MHz	QPSK	20325	1RB#0	17.29	PASS
Band4	15MHz	16QAM	20325	1RB#0	17.41	PASS
Band4	15MHz	QPSK	20325	1RB#38	17.56	PASS
Band4	15MHz	16QAM	20325	1RB#38	17.68	PASS
Band4	15MHz	QPSK	20325	1RB#74	17.63	PASS
Band4	15MHz	16QAM	20325	1RB#74	17.71	PASS
Band4	15MHz	QPSK	20325	38RB#0	17.57	PASS

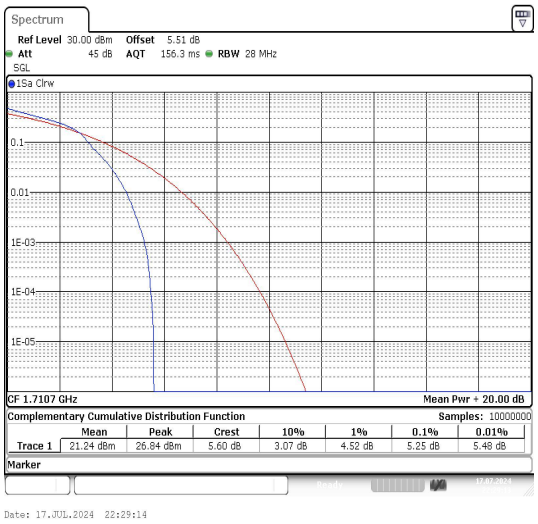
Band4	15MHz	16QAM	20325	38RB#0	17.59	PASS
Band4	15MHz	QPSK	20325	38RB#18	17.60	PASS
Band4	15MHz	16QAM	20325	38RB#18	17.54	PASS
Band4	15MHz	QPSK	20325	38RB#37	17.56	PASS
Band4	15MHz	16QAM	20325	38RB#37	17.57	PASS
Band4	15MHz	QPSK	20325	75RB#0	17.61	PASS
Band4	15MHz	16QAM	20325	75RB#0	17.55	PASS
Band4	20MHz	QPSK	20050	1RB#0	17.34	PASS
Band4	20MHz	16QAM	20050	1RB#0	17.31	PASS
Band4	20MHz	QPSK	20050	1RB#49	17.94	PASS
Band4	20MHz	16QAM	20050	1RB#49	17.70	PASS
Band4	20MHz	QPSK	20050	1RB#99	17.06	PASS
Band4	20MHz	16QAM	20050	1RB#99	17.02	PASS
Band4	20MHz	QPSK	20050	50RB#0	17.67	PASS
Band4	20MHz	16QAM	20050	50RB#0	17.67	PASS
Band4	20MHz	QPSK	20050	50RB#25	17.67	PASS
Band4	20MHz	16QAM	20050	50RB#25	17.66	PASS
Band4	20MHz	QPSK	20050	50RB#50	17.49	PASS
Band4	20MHz	16QAM	20050	50RB#50	17.48	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.51	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.56	PASS
Band4	20MHz	QPSK	20175	1RB#0	17.26	PASS
Band4	20MHz	16QAM	20175	1RB#0	17.19	PASS
Band4	20MHz	QPSK	20175	1RB#49	17.33	PASS
Band4	20MHz	16QAM	20175	1RB#49	17.23	PASS
Band4	20MHz	QPSK	20175	1RB#99	16.98	PASS
Band4	20MHz	16QAM	20175	1RB#99	16.86	PASS
Band4	20MHz	QPSK	20175	50RB#0	17.30	PASS
Band4	20MHz	16QAM	20175	50RB#0	17.34	PASS
Band4	20MHz	QPSK	20175	50RB#25	17.32	PASS
Band4	20MHz	16QAM	20175	50RB#25	17.32	PASS
Band4	20MHz	QPSK	20175	50RB#50	17.14	PASS
Band4	20MHz	16QAM	20175	50RB#50	17.18	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.22	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.28	PASS
Band4	20MHz	QPSK	20300	1RB#0	17.09	PASS
Band4	20MHz	16QAM	20300	1RB#0	16.98	PASS
Band4	20MHz	QPSK	20300	1RB#49	17.54	PASS
Band4	20MHz	16QAM	20300	1RB#49	17.61	PASS
Band4	20MHz	QPSK	20300	1RB#99	17.46	PASS
Band4	20MHz	16QAM	20300	1RB#99	17.40	PASS
Band4	20MHz	QPSK	20300	50RB#0	17.34	PASS

Band4	20MHz	16QAM	20300	50RB#0	17.45	PASS
Band4	20MHz	QPSK	20300	50RB#25	17.35	PASS
Band4	20MHz	16QAM	20300	50RB#25	17.42	PASS
Band4	20MHz	QPSK	20300	50RB#50	17.53	PASS
Band4	20MHz	16QAM	20300	50RB#50	17.56	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.43	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.48	PASS

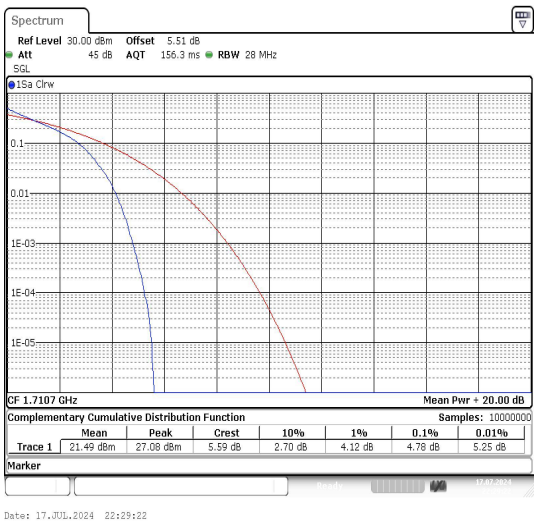
Test Graphs



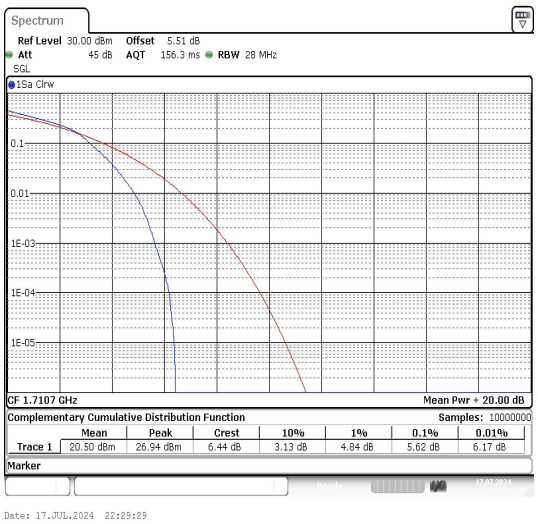
Band4-1.4MHz-QPSK-19957-1RB#0-PASS



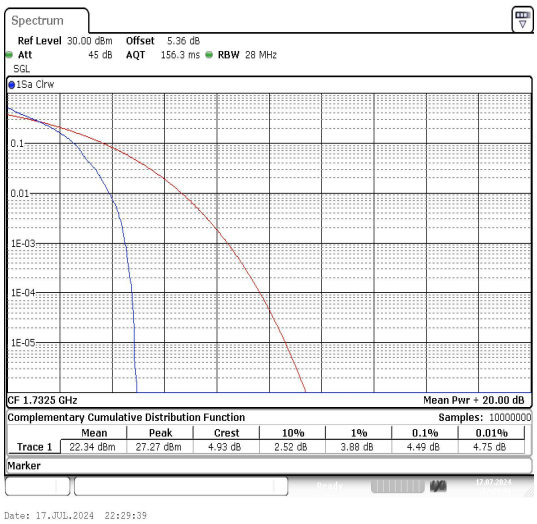
Band4-1.4MHz-16QAM-19957-1RB#0-PASS



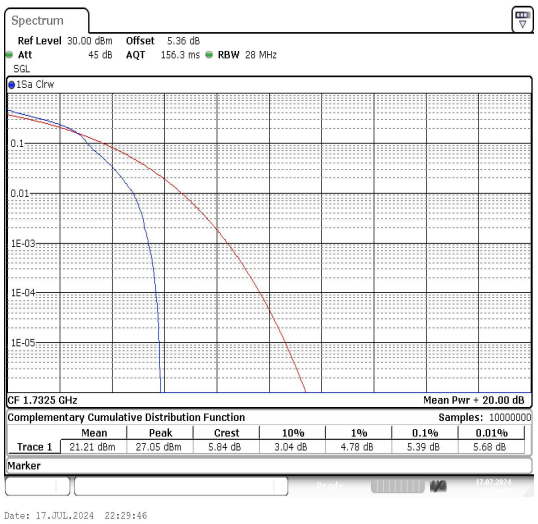
Band4-1.4MHz-QPSK-19957-6RB#0-PASS



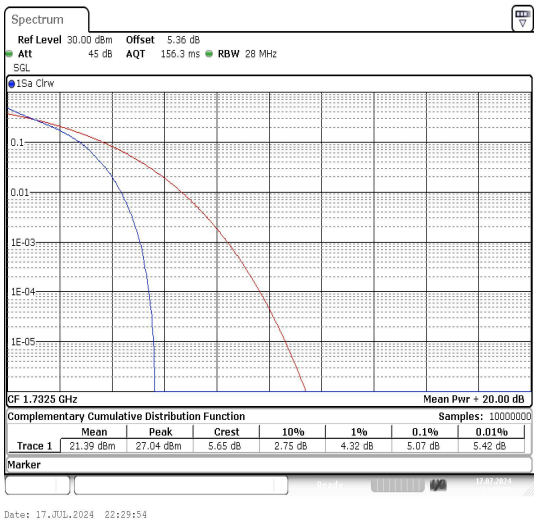
Band4-1.4MHz-16QAM-19957-6RB#0-PASS



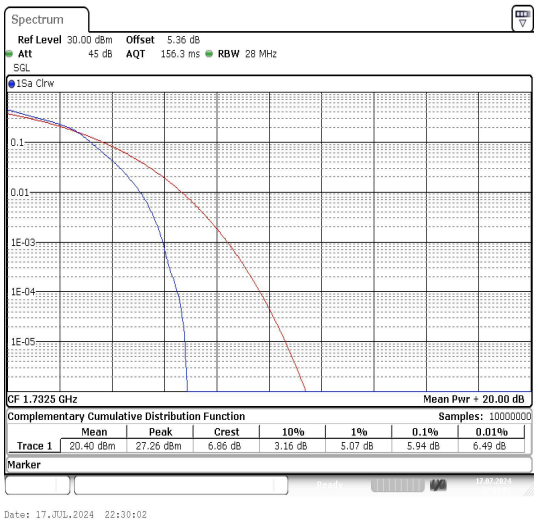
Band4-1.4MHz-QPSK-20175-1RB#0-PASS



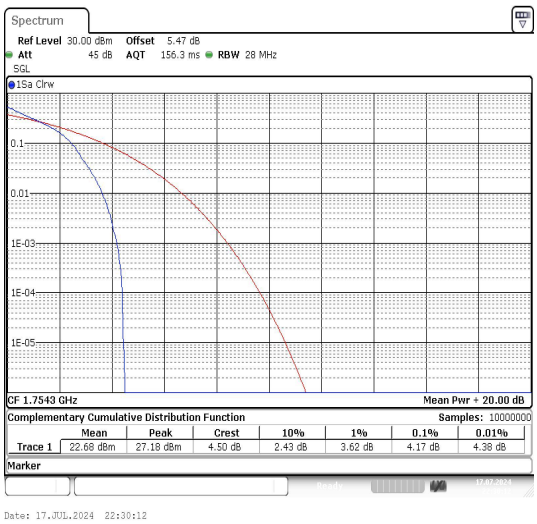
Band4-1.4MHz-16QAM-20175-1RB#0-PASS



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



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



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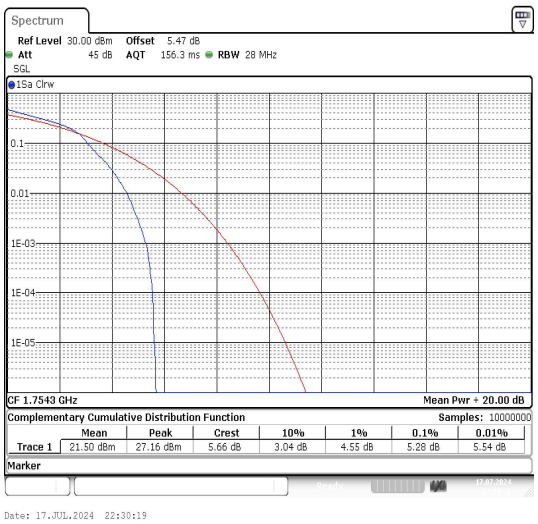

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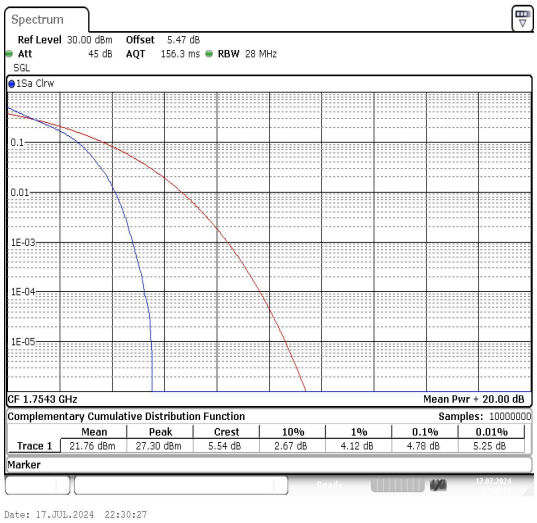

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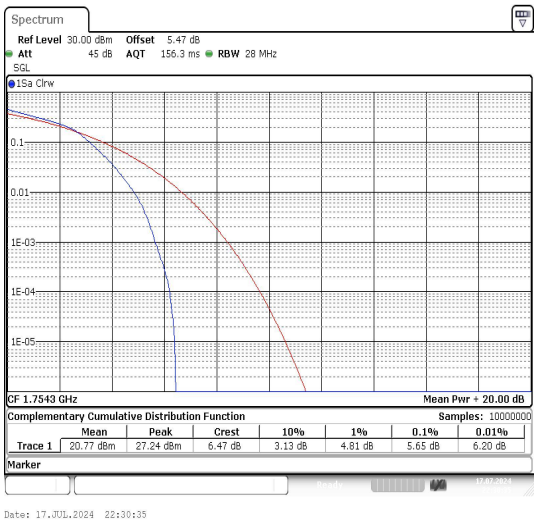

Band4-1.4MHz-16QAM-20393-6RB#0-PASS