Appendix for Band 5

Product Name: Smart Phone
Model No: K50

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.12	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.23	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.24	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.56	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.54	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.69	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.57	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.12	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.35	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.42	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.25	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.65	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.57	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.58	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.36	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.42	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.25	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.34	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.25	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.69	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.44	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.25	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.25	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.36	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.54	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.51	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.39	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.41	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.12	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.22	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.26	PASS

Band5	1.4MHz	16QAM	20643	3RB#0	21.54	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.56	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.24	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.49	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.16	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.48	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.41	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.68	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.66	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.64	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.58	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.64	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.61	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.67	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.67	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.65	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.66	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.63	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.62	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.61	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.59	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.58	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.41	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.50	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.29	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.50	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.28	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.49	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.46	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.48	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.46	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.40	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.42	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.44	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.35	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.47	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.43	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.48	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.43	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.53	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.49	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.50	PASS

Band5	3MHz	16QAM	20635	8RB#0	21.55	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.49	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.52	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.49	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.48	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.48	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.46	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.90	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.75	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.82	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.66	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.82	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.69	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.73	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.70	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.73	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.70	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.69	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.66	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.71	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.72	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.67	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.71	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.56	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.61	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.55	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.59	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.59	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.61	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.58	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.64	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.48	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.52	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.56	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.46	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.63	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.51	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.60	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.47	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.71	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.56	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.55	PASS

Band5	5MHz	16QAM	20625	12RB#0	21.51	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.55	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.54	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.51	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.50	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.55	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.52	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.93	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.76	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.64	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.63	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.68	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.67	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.67	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.64	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.67	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.64	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.64	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.58	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.66	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.64	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.70	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.55	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.55	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.40	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.51	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.35	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.60	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.57	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.59	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.57	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.46	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.43	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.53	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.50	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.57	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.56	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.49	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.63	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.61	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.51	PASS

Band5	10MHz	16QAM	20600	25RB#0	21.47	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.50	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.46	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.49	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.42	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.53	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.51	PASS

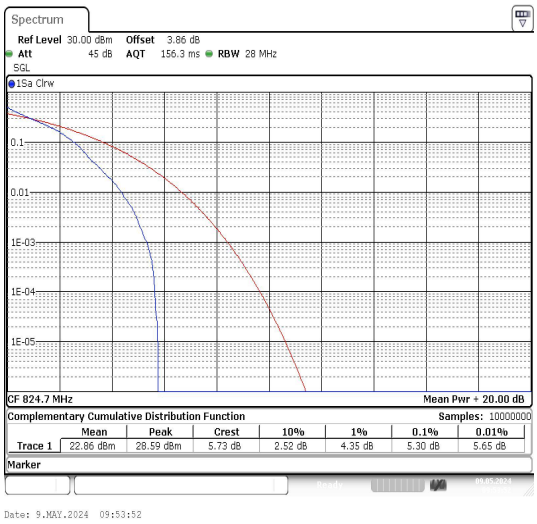
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

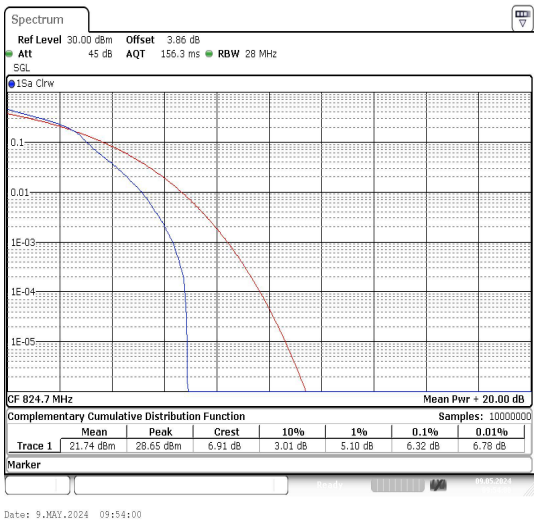
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	5.30	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	6.32	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.65	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.43	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	5.33	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	6.09	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.68	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.52	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	5.28	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	6.41	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.62	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.46	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.28	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	6.17	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.71	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.52	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	5.25	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	6.00	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.77	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.52	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	5.19	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	6.32	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.65	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.52	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.39	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.97	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.68	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.41	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	5.33	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	6.06	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.74	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.46	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	5.39	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	6.00	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.77	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.49	13	PASS

Band5	10MHz	QPSK	20450	1RB#0	5.28	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	6.17	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.62	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.41	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	5.22	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	6.03	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.65	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.46	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	5.33	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	6.49	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.68	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.49	13	PASS

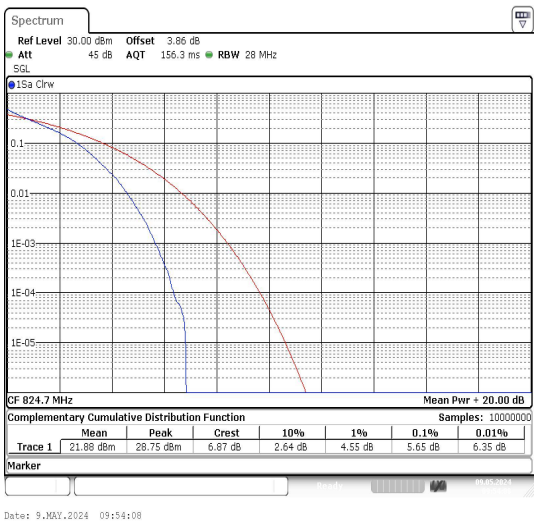
Test Graphs



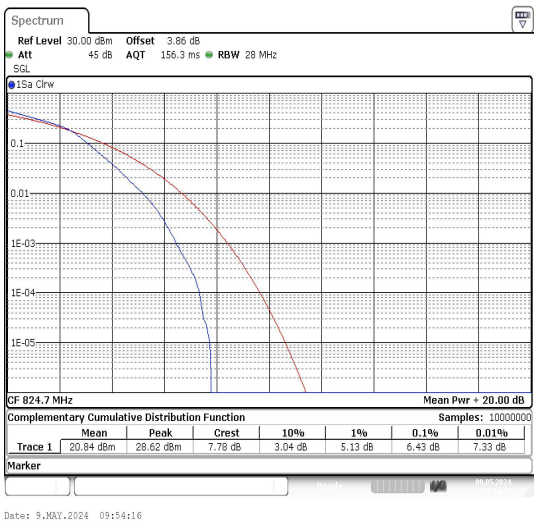
Band5-1.4MHz-QPSK-20407-1RB#0-PASS



Band5-1.4MHz-16QAM-20407-1RB#0-PASS

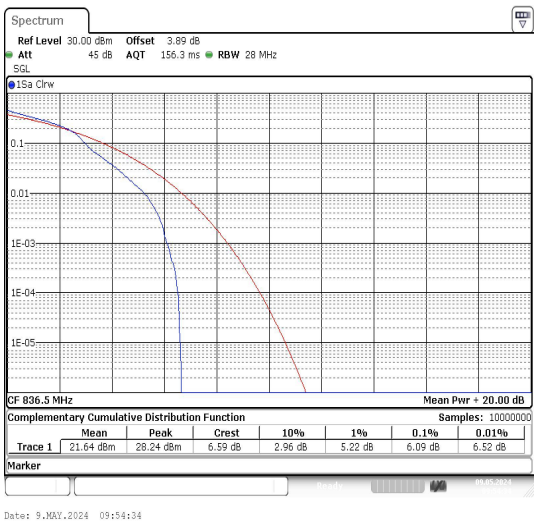


Band5-1.4MHz-QPSK-20407-6RB#0-PASS

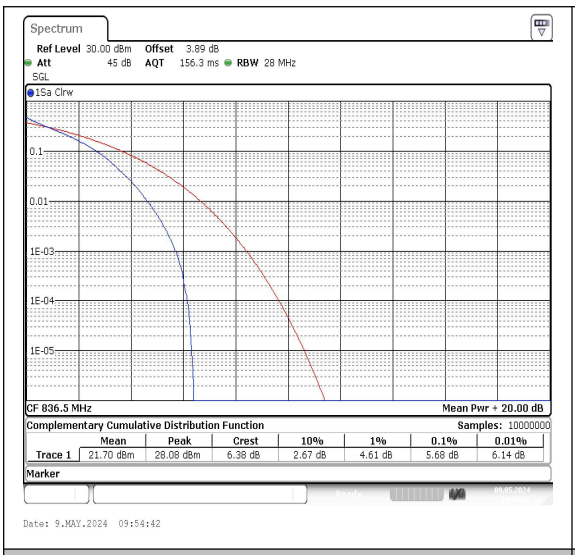


Band5-1.4MHz-16QAM-20407-6RB#0-PASS

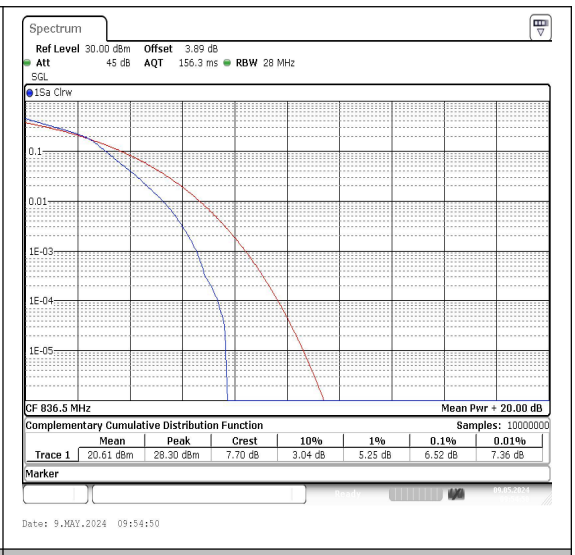
Band5-1.4MHz-QPSK-20525-1RB#0-PASS



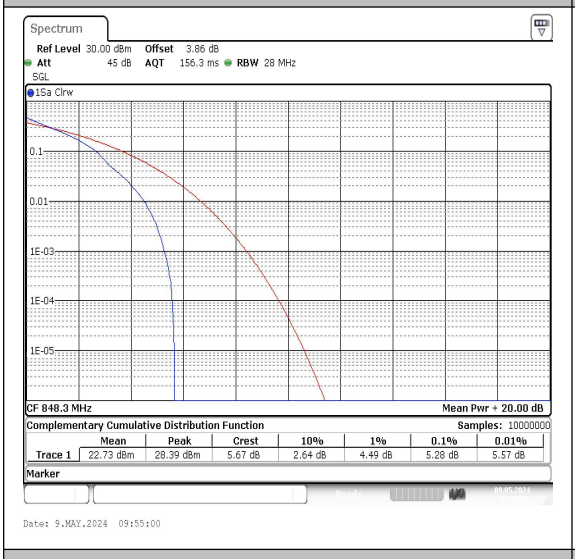
Band5-1.4MHz-16QAM-20525-1RB#0-PASS



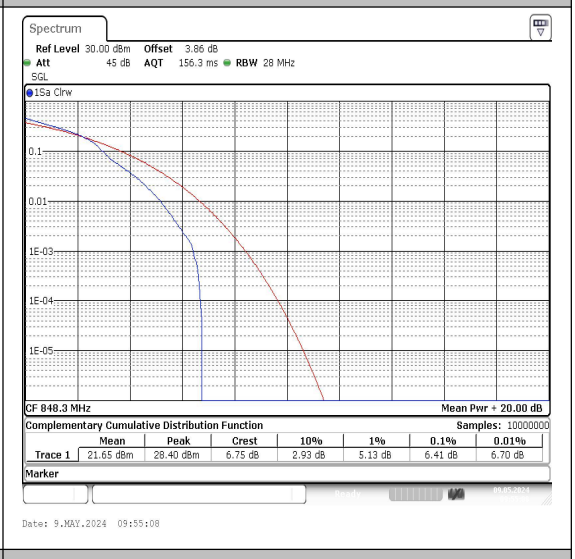
Band5-1.4MHz-QPSK-20525-6RB#0-PASS



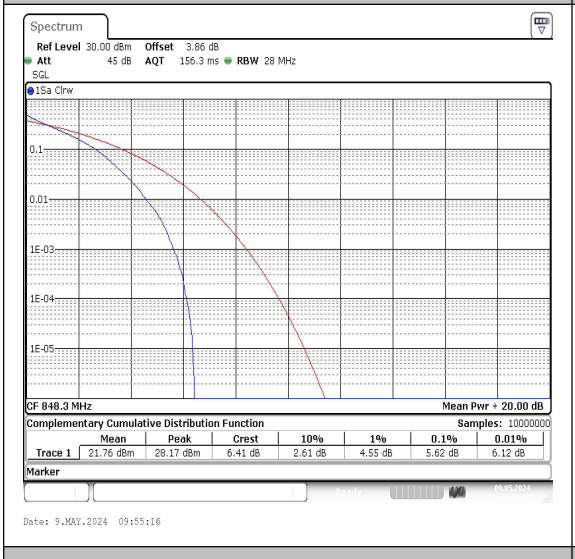
Band5-1.4MHz-16QAM-20525-6RB#0-PASS



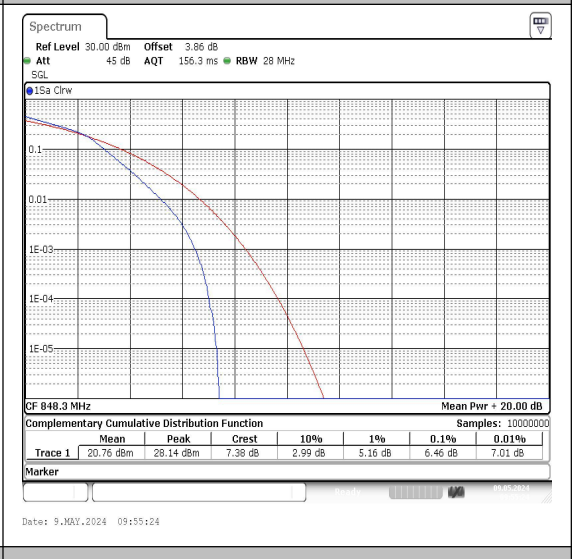
Band5-1.4MHz-QPSK-20643-1RB#0-PASS



Band5-1.4MHz-16QAM-20643-1RB#0-PASS



Band5-1.4MHz-QPSK-20643-6RB#0-PASS



Band5-1.4MHz-16QAM-20643-6RB#0-PASS