Appendix G: Test Data for E-UTRA Band 7

Product Name: Mini smartphone

Test Model: XS19Pro

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Luo
Supervised by:	Nick Peng

G.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.65	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.67	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.70	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.74	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.71	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.75	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.69	PASS
Band7	5MHz	16QAM	20775	12RB#0	22.81	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.63	PASS
Band7	5MHz	16QAM	20775	12RB#6	22.67	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.71	PASS
Band7	5MHz	16QAM	20775	12RB#13	22.71	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.66	PASS
Band7	5MHz	16QAM	20775	25RB#0	22.75	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.71	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.73	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.75	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.76	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.72	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.80	PASS
Band7	5MHz	QPSK	21100	12RB#0	22.67	PASS
Band7	5MHz	16QAM	21100	12RB#0	22.68	PASS
Band7	5MHz	QPSK	21100	12RB#6	22.67	PASS
Band7	5MHz	16QAM	21100	12RB#6	22.72	PASS
Band7	5MHz	QPSK	21100	12RB#13	22.66	PASS
Band7	5MHz	16QAM	21100	12RB#13	22.69	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.72	PASS
Band7	5MHz	16QAM	21100	25RB#0	22.72	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.72	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.75	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.78	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.79	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.67	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.68	PASS
Band7	5MHz	QPSK	21425	12RB#0	22.68	PASS
Band7	5MHz	16QAM	21425	12RB#0	22.71	PASS

Band7	5MHz	QPSK	21425	12RB#6	22.72	PASS
Band7	5MHz	16QAM	21425	12RB#6	22.71	PASS
Band7	5MHz	QPSK	21425	12RB#13	22.75	PASS
Band7	5MHz	16QAM	21425	12RB#13	22.70	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.84	PASS
Band7	5MHz	16QAM	21425	25RB#0	22.66	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.71	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.72	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.67	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.64	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.67	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.75	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.75	PASS
Band7	10MHz	16QAM	20800	25RB#0	22.69	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.72	PASS
Band7	10MHz	16QAM	20800	25RB#12	22.80	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.84	PASS
Band7	10MHz	16QAM	20800	25RB#25	22.63	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.69	PASS
Band7	10MHz	16QAM	20800	50RB#0	22.70	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.76	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.74	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.78	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.77	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.77	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.67	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.67	PASS
Band7	10MHz	16QAM	21100	25RB#0	22.64	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.67	PASS
Band7	10MHz	16QAM	21100	25RB#12	22.67	PASS
Band7	10MHz	QPSK	21100	25RB#25	22.68	PASS
Band7	10MHz	16QAM	21100	25RB#25	22.68	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.77	PASS
Band7	10MHz	16QAM	21100	50RB#0	22.74	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.77	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.72	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.76	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.61	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.71	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.65	PASS
Band7	10MHz	QPSK	21400	25RB#0	22.76	PASS
Band7	10MHz	16QAM	21400	25RB#0	22.62	PASS

Band7	10MHz	QPSK	21400	25RB#12	22.70	PASS
Band7	10MHz	16QAM	21400	25RB#12	22.70	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.71	PASS
Band7	10MHz	16QAM	21400	25RB#25	22.66	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.75	PASS
Band7	10MHz	16QAM	21400	50RB#0	22.78	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.78	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.61	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.65	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.73	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.67	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.71	PASS
Band7	15MHz	QPSK	20825	38RB#0	22.73	PASS
Band7	15MHz	16QAM	20825	38RB#0	22.70	PASS
Band7	15MHz	QPSK	20825	38RB#18	22.77	PASS
Band7	15MHz	16QAM	20825	38RB#18	22.67	PASS
Band7	15MHz	QPSK	20825	38RB#37	22.75	PASS
Band7	15MHz	16QAM	20825	38RB#37	22.77	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.77	PASS
Band7	15MHz	16QAM	20825	75RB#0	22.69	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.65	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.67	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.75	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.66	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.62	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.69	PASS
Band7	15MHz	QPSK	21100	38RB#0	22.73	PASS
Band7	15MHz	16QAM	21100	38RB#0	22.72	PASS
Band7	15MHz	QPSK	21100	38RB#18	22.75	PASS
Band7	15MHz	16QAM	21100	38RB#18	22.74	PASS
Band7	15MHz	QPSK	21100	38RB#37	22.77	PASS
Band7	15MHz	16QAM	21100	38RB#37	22.77	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.64	PASS
Band7	15MHz	16QAM	21100	75RB#0	22.66	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.65	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.66	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.71	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.75	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.73	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.72	PASS
Band7	15MHz	QPSK	21375	38RB#0	22.76	PASS
Band7	15MHz	16QAM	21375	38RB#0	22.74	PASS

Band7	15MHz	QPSK	21375	38RB#18	22.79	PASS
Band7	15MHz	16QAM	21375	38RB#18	22.84	PASS
Band7	15MHz	QPSK	21375	38RB#37	22.60	PASS
Band7	15MHz	16QAM	21375	38RB#37	22.69	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.71	PASS
Band7	15MHz	16QAM	21375	75RB#0	22.72	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.72	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.76	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.71	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.72	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.76	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.65	PASS
Band7	20MHz	QPSK	20850	50RB#0	22.69	PASS
Band7	20MHz	16QAM	20850	50RB#0	22.69	PASS
Band7	20MHz	QPSK	20850	50RB#25	22.73	PASS
Band7	20MHz	16QAM	20850	50RB#25	22.63	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.71	PASS
Band7	20MHz	16QAM	20850	50RB#50	22.73	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.74	PASS
Band7	20MHz	16QAM	20850	100RB#0	22.68	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.71	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.74	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.79	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.59	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.64	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.65	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.72	PASS
Band7	20MHz	16QAM	21100	50RB#0	22.62	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.65	PASS
Band7	20MHz	16QAM	21100	50RB#25	22.66	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.71	PASS
Band7	20MHz	16QAM	21100	50RB#50	22.66	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.67	PASS
Band7	20MHz	16QAM	21100	100RB#0	22.71	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.69	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.70	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.69	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.75	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.75	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.80	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.69	PASS
Band7	20MHz	16QAM	21350	50RB#0	22.70	PASS

Band7	20MHz	QPSK	21350	50RB#25	22.64	PASS
Band7	20MHz	16QAM	21350	50RB#25	22.68	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.66	PASS
Band7	20MHz	16QAM	21350	50RB#50	22.69	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.71	PASS
Band7	20MHz	16QAM	21350	100RB#0	22.77	PASS

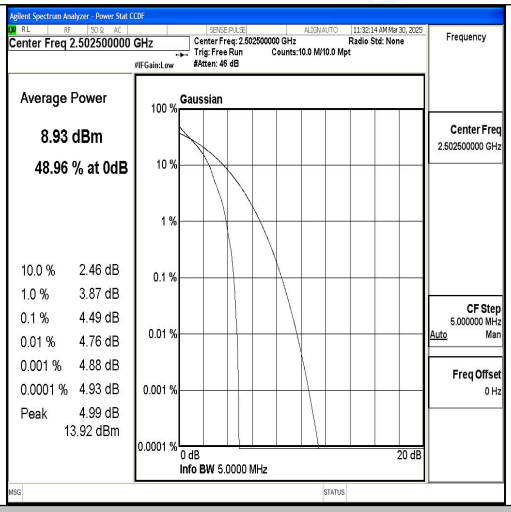
G.2 Peak-to-Average Ratio(CCDF)

Test Result

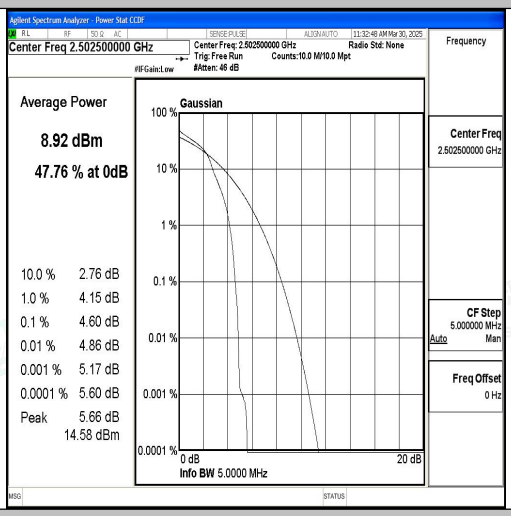
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	4.49	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	4.60	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.03	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.55	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	4.38	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.34	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.27	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.98	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	4.61	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	4.82	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.03	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.60	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	4.34	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	4.62	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.01	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.59	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	4.28	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	5.02	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.21	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.01	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	4.49	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	4.79	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	4.96	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.68	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	4.34	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	4.62	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.35	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.71	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	4.16	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	4.92	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.33	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.95	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	4.59	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	4.93	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.21	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	5.75	13	PASS

Band7	20MHz	QPSK	20850	1RB#0	4.27	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	4.47	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.30	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.81	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.02	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	4.97	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.94	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.86	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.55	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	4.76	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.08	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.73	13	PASS

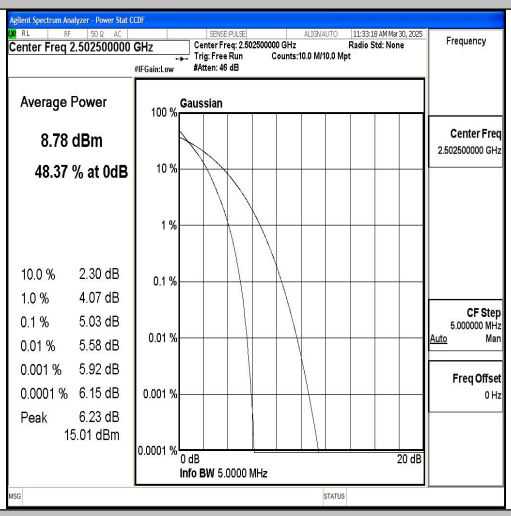
Test Graphs



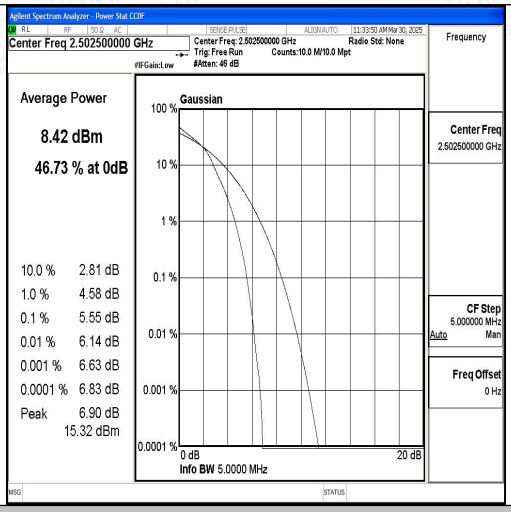
Band7-5MHz-QPSK-20775-1RB#0-PASS



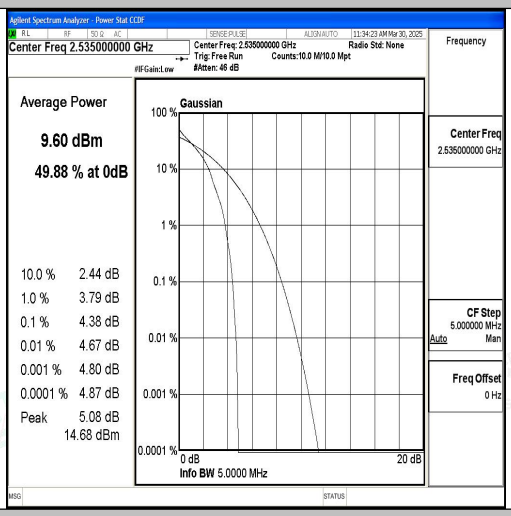
Band7-5MHz-16QAM-20775-1RB#0-PASS



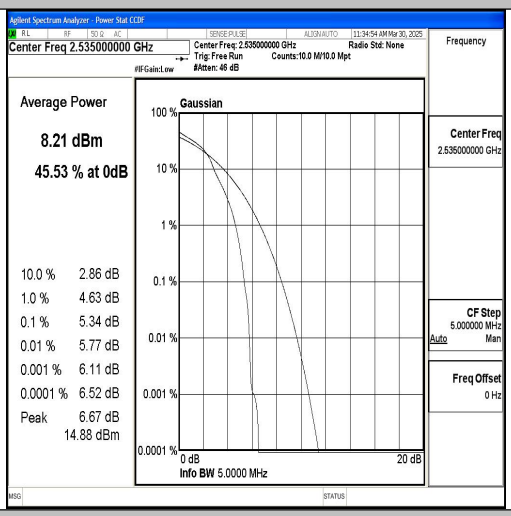
Band7-5MHz-QPSK-20775-25RB#0-PASS



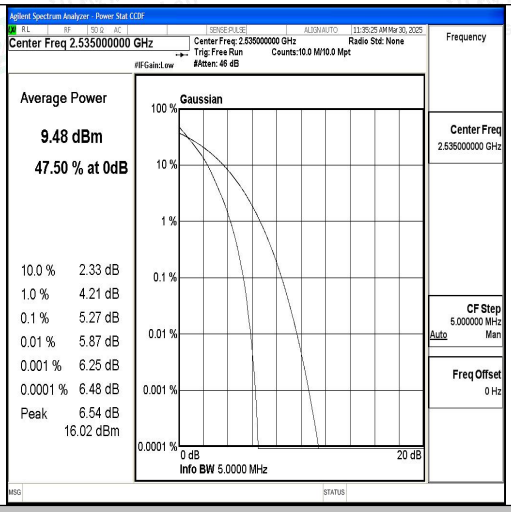
Band7-5MHz-16QAM-20775-25RB#0-PASS



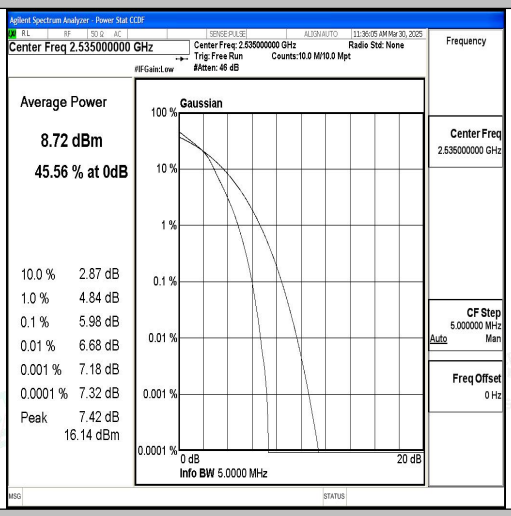
Band7-5MHz-QPSK-21100-1RB#0-PASS



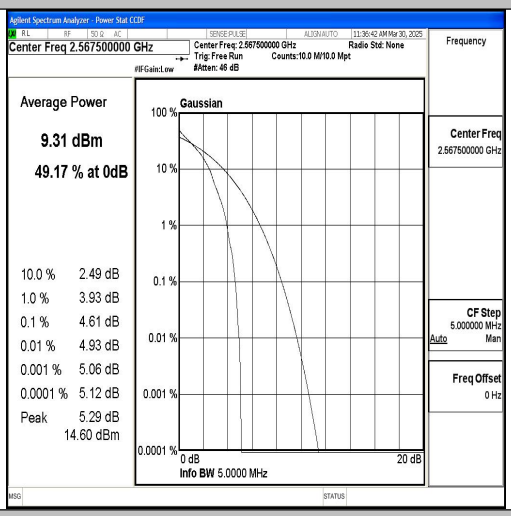
Band7-5MHz-16QAM-21100-1RB#0-PASS



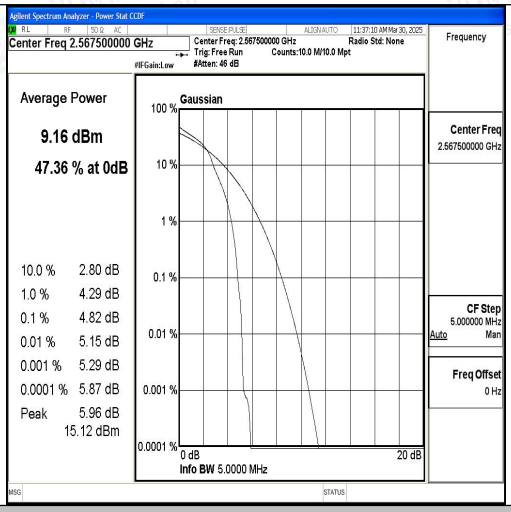
Band7-5MHz-QPSK-21100-25RB#0-PASS



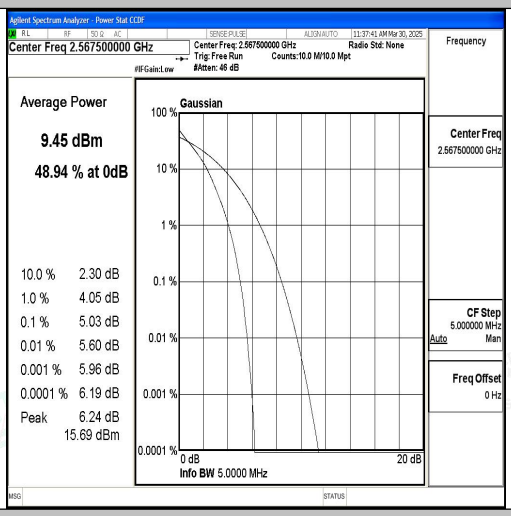
Band7-5MHz-16QAM-21100-25RB#0-PASS



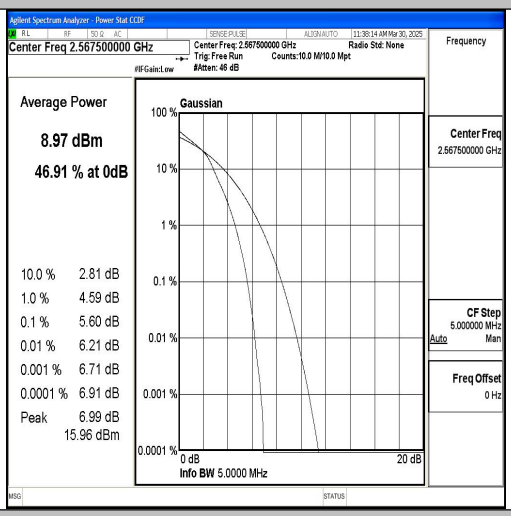
Band7-5MHz-QPSK-21425-1RB#0-PASS



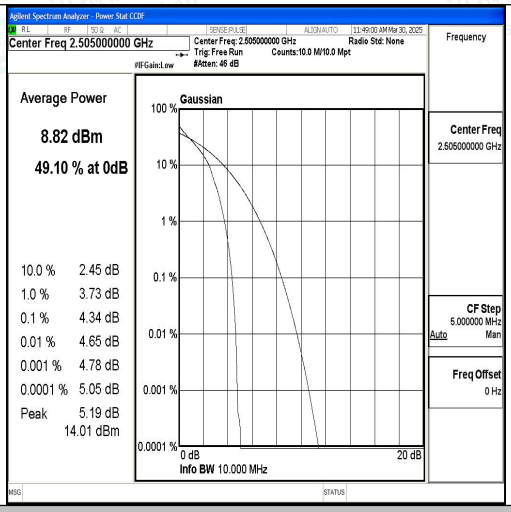
Band7-5MHz-16QAM-21425-1RB#0-PASS



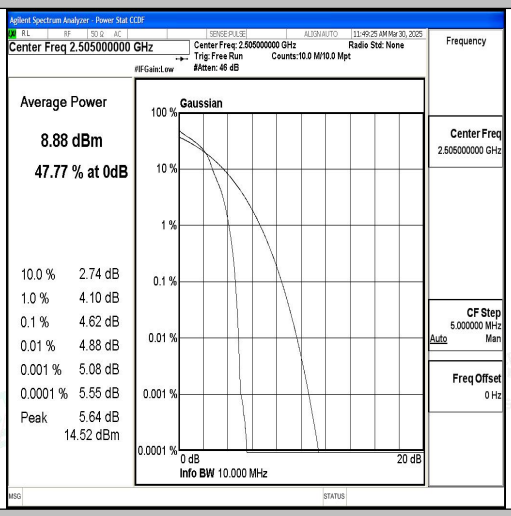
Band7-5MHz-QPSK-21425-25RB#0-PASS



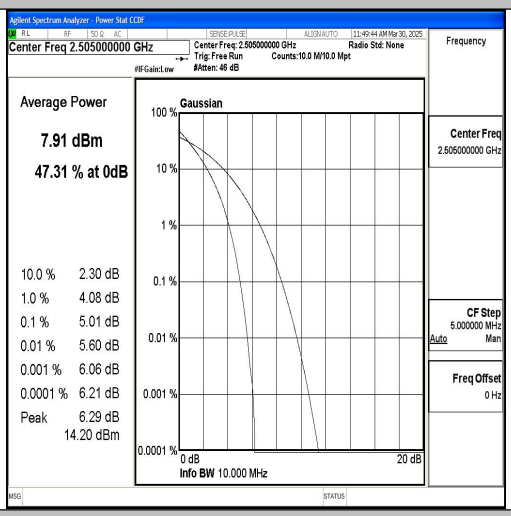
Band7-5MHz-16QAM-21425-25RB#0-PASS



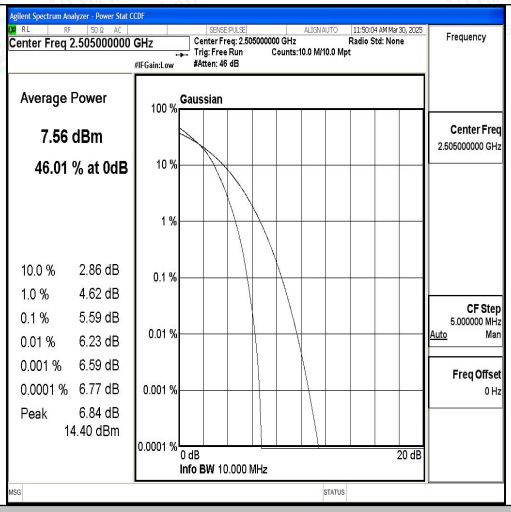
Band7-10MHz-QPSK-20800-1RB#0-PASS



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



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



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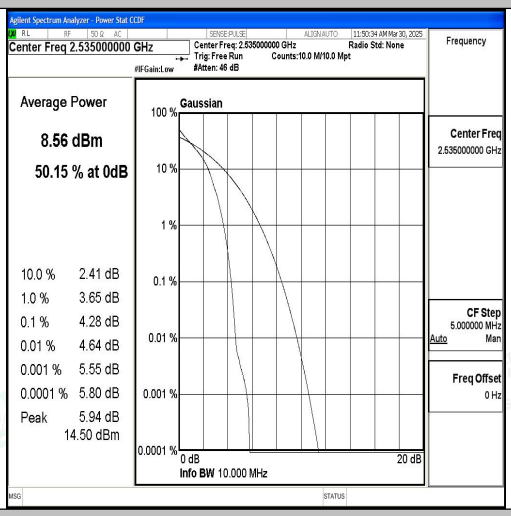

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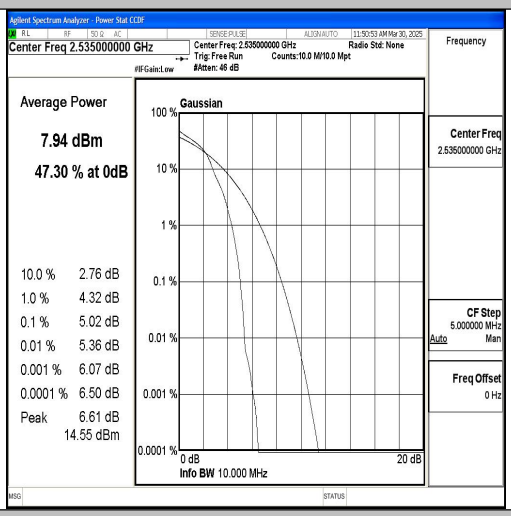

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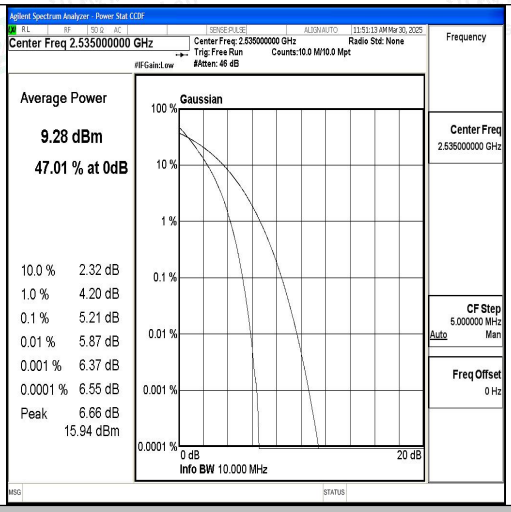

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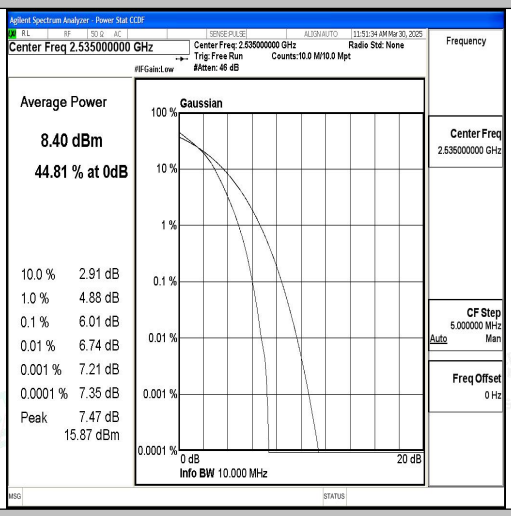

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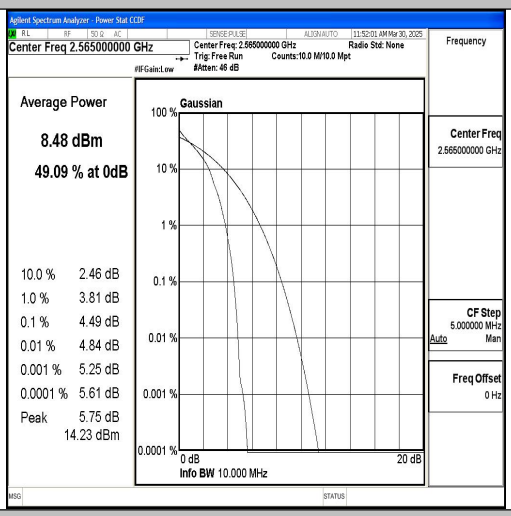

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