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Appendix B.4

LTE Band 7



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Effective (Isotropic) Radiated Power Output Data

Test Result ANT7

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.68	26.38	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.72	26.42	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.68	26.38	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.79	25.49	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.56	26.26	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.64	26.34	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.65	26.35	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.78	25.48	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.48	26.18	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.51	26.21	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.47	26.17	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.62	25.32	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.72	25.42	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.88	25.58	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.75	25.45	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.74	24.44	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.84	25.54	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.86	25.56	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.72	25.42	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.78	24.48	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.84	25.54	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.56	25.26	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.81	25.51	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.54	24.24	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	21.73	24.43	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	21.81	24.51	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	21.78	24.48	33.00	PASS



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Band7	5MHz	64QAM	20775	25RB#0	20.77	23.47	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	21.98	24.68	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	21.68	24.38	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	21.75	24.45	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	20.78	23.48	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	21.67	24.37	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	21.74	24.44	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	21.73	24.43	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	20.62	23.32	33.00	PASS
Band7	5MHz	256QAM	20775	1RB#0	18.65	21.35	33.00	PASS
Band7	5MHz	256QAM	20775	1RB#12	18.77	21.47	33.00	PASS
Band7	5MHz	256QAM	20775	1RB#24	18.49	21.19	33.00	PASS
Band7	5MHz	256QAM	20775	25RB#0	18.70	21.4	33.00	PASS
Band7	5MHz	256QAM	21100	1RB#0	18.69	21.39	33.00	PASS
Band7	5MHz	256QAM	21100	1RB#12	18.73	21.43	33.00	PASS
Band7	5MHz	256QAM	21100	1RB#24	18.71	21.41	33.00	PASS
Band7	5MHz	256QAM	21100	25RB#0	18.76	21.46	33.00	PASS
Band7	5MHz	256QAM	21425	1RB#0	18.54	21.24	33.00	PASS
Band7	5MHz	256QAM	21425	1RB#12	18.61	21.31	33.00	PASS
Band7	5MHz	256QAM	21425	1RB#24	18.59	21.29	33.00	PASS
Band7	5MHz	256QAM	21425	25RB#0	18.57	21.27	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.71	26.41	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.65	26.35	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.66	26.36	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.72	25.42	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.54	26.24	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.70	26.4	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.53	26.23	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.68	25.38	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.49	26.19	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.54	26.24	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.72	26.42	33.00	PASS



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Band7	10MHz	QPSK	21400	50RB#0	22.59	25.29	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.79	25.49	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.73	25.43	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.82	25.52	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.80	24.5	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.95	25.65	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.93	25.63	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.52	25.22	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.68	24.38	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.79	25.49	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.60	25.3	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.75	25.45	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.61	24.31	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	21.94	24.64	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	21.76	24.46	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#49	21.79	24.49	33.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	20.77	23.47	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	21.86	24.56	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#24	21.90	24.6	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#49	21.48	24.18	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	20.60	23.3	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	21.75	24.45	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	21.85	24.55	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	21.77	24.47	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	20.58	23.28	33.00	PASS
Band7	10MHz	256QAM	20800	1RB#0	18.82	21.52	33.00	PASS
Band7	10MHz	256QAM	20800	1RB#24	18.74	21.44	33.00	PASS
Band7	10MHz	256QAM	20800	1RB#49	18.84	21.54	33.00	PASS
Band7	10MHz	256QAM	20800	50RB#0	18.80	21.5	33.00	PASS
Band7	10MHz	256QAM	21100	1RB#0	18.76	21.46	33.00	PASS
Band7	10MHz	256QAM	21100	1RB#24	18.80	21.5	33.00	PASS
Band7	10MHz	256QAM	21100	1RB#49	18.83	21.53	33.00	PASS



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Band7	10MHz	256QAM	21100	50RB#0	18.71	21.41	33.00	PASS
Band7	10MHz	256QAM	21400	1RB#0	18.97	21.67	33.00	PASS
Band7	10MHz	256QAM	21400	1RB#24	18.63	21.33	33.00	PASS
Band7	10MHz	256QAM	21400	1RB#49	18.56	21.26	33.00	PASS
Band7	10MHz	256QAM	21400	50RB#0	18.61	21.31	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.53	26.23	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.58	26.28	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.58	26.28	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.70	25.4	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.59	26.29	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.70	26.4	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.46	26.16	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.59	25.29	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.69	26.39	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.40	26.1	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.56	26.26	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.56	25.26	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.90	25.6	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	23.02	25.72	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.67	25.37	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.69	24.39	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.81	25.51	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.89	25.59	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.60	25.3	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.63	24.33	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.74	25.44	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.73	25.43	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.65	25.35	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.60	24.3	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	21.58	24.28	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	21.94	24.64	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	21.74	24.44	33.00	PASS



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Band7	15MHz	64QAM	20825	75RB#0	20.75	23.45	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	21.93	24.63	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	21.87	24.57	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	21.67	24.37	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	20.58	23.28	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	21.80	24.5	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#38	21.74	24.44	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	21.90	24.6	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	20.61	23.31	33.00	PASS
Band7	15MHz	256QAM	20825	1RB#0	18.40	21.1	33.00	PASS
Band7	15MHz	256QAM	20825	1RB#38	18.86	21.56	33.00	PASS
Band7	15MHz	256QAM	20825	1RB#74	18.71	21.41	33.00	PASS
Band7	15MHz	256QAM	20825	75RB#0	18.75	21.45	33.00	PASS
Band7	15MHz	256QAM	21100	1RB#0	18.81	21.51	33.00	PASS
Band7	15MHz	256QAM	21100	1RB#38	18.87	21.57	33.00	PASS
Band7	15MHz	256QAM	21100	1RB#74	18.69	21.39	33.00	PASS
Band7	15MHz	256QAM	21100	75RB#0	18.57	21.27	33.00	PASS
Band7	15MHz	256QAM	21375	1RB#0	18.57	21.27	33.00	PASS
Band7	15MHz	256QAM	21375	1RB#38	18.85	21.55	33.00	PASS
Band7	15MHz	256QAM	21375	1RB#74	18.61	21.31	33.00	PASS
Band7	15MHz	256QAM	21375	75RB#0	18.53	21.23	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.74	26.44	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.72	26.42	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.65	26.35	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.72	25.42	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.89	26.59	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.68	26.38	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.49	26.19	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.57	25.27	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.84	26.54	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.46	26.16	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.48	26.18	33.00	PASS



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Band7	20MHz	QPSK	21350	100RB#0	22.58	25.28	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.76	25.46	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.69	25.39	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	23.10	25.8	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.66	24.36	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.72	25.42	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.75	25.45	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.73	25.43	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.56	24.26	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.57	25.27	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.65	25.35	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.72	25.42	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.58	24.28	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	21.88	24.58	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	21.90	24.6	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	21.98	24.68	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	20.72	23.42	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	21.64	24.34	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	21.73	24.43	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	21.71	24.41	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	20.54	23.24	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#0	21.56	24.26	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#49	21.78	24.48	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	21.58	24.28	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	20.54	23.24	33.00	PASS
Band7	20MHz	256QAM	20850	1RB#0	18.56	21.26	33.00	PASS
Band7	20MHz	256QAM	20850	1RB#49	18.67	21.37	33.00	PASS
Band7	20MHz	256QAM	20850	1RB#99	18.78	21.48	33.00	PASS
Band7	20MHz	256QAM	20850	100RB#0	18.71	21.41	33.00	PASS
Band7	20MHz	256QAM	21100	1RB#0	18.49	21.19	33.00	PASS
Band7	20MHz	256QAM	21100	1RB#49	18.69	21.39	33.00	PASS
Band7	20MHz	256QAM	21100	1RB#99	18.67	21.37	33.00	PASS



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Band7	20MHz	256QAM	21100	100RB#0	18.58	21.28	33.00	PASS
Band7	20MHz	256QAM	21350	1RB#0	18.45	21.15	33.00	PASS
Band7	20MHz	256QAM	21350	1RB#49	18.50	21.2	33.00	PASS
Band7	20MHz	256QAM	21350	1RB#99	18.67	21.37	33.00	PASS
Band7	20MHz	256QAM	21350	100RB#0	18.57	21.27	33.00	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	4.50	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.00	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	4.18	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.72	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	4.34	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.78	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.22	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.12	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	4.98	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.82	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	5.06	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.90	13	PASS
Band7	5MHz	64QAM	20775	1RB#0	6.30	13	PASS
Band7	5MHz	64QAM	20775	25RB#0	6.94	13	PASS
Band7	5MHz	64QAM	21100	1RB#0	5.94	13	PASS
Band7	5MHz	64QAM	21100	25RB#0	6.70	13	PASS
Band7	5MHz	64QAM	21425	1RB#0	6.08	13	PASS
Band7	5MHz	64QAM	21425	25RB#0	6.82	13	PASS
Band7	5MHz	256QAM	20775	1RB#0	7.30	13	PASS
Band7	5MHz	256QAM	20775	25RB#0	7.22	13	PASS
Band7	5MHz	256QAM	21100	1RB#0	7.42	13	PASS
Band7	5MHz	256QAM	21100	25RB#0	7.06	13	PASS
Band7	5MHz	256QAM	21425	1RB#0	7.10	13	PASS
Band7	5MHz	256QAM	21425	25RB#0	7.04	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	4.50	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	4.98	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	4.18	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.84	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	4.24	13	PASS



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Band7	10MHz	QPSK	21400	50RB#0	4.82	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	5.18	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	6.04	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	4.92	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.86	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	4.98	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.92	13	PASS
Band7	10MHz	64QAM	20800	1RB#0	6.32	13	PASS
Band7	10MHz	64QAM	20800	50RB#0	6.80	13	PASS
Band7	10MHz	64QAM	21100	1RB#0	6.04	13	PASS
Band7	10MHz	64QAM	21100	50RB#0	6.56	13	PASS
Band7	10MHz	64QAM	21400	1RB#0	6.14	13	PASS
Band7	10MHz	64QAM	21400	50RB#0	6.68	13	PASS
Band7	10MHz	256QAM	20800	1RB#0	7.34	13	PASS
Band7	10MHz	256QAM	20800	50RB#0	7.04	13	PASS
Band7	10MHz	256QAM	21100	1RB#0	7.16	13	PASS
Band7	10MHz	256QAM	21100	50RB#0	6.92	13	PASS
Band7	10MHz	256QAM	21400	1RB#0	7.16	13	PASS
Band7	10MHz	256QAM	21400	50RB#0	6.98	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	4.44	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	4.92	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	4.12	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	4.84	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	4.32	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	4.90	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.04	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.20	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	4.76	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.14	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	4.84	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.14	13	PASS
Band7	15MHz	64QAM	20825	1RB#0	6.30	13	PASS
Band7	15MHz	64QAM	20825	75RB#0	6.84	13	PASS
Band7	15MHz	64QAM	21100	1RB#0	6.00	13	PASS
Band7	15MHz	64QAM	21100	75RB#0	6.76	13	PASS
Band7	15MHz	64QAM	21375	1RB#0	6.10	13	PASS
Band7	15MHz	64QAM	21375	75RB#0	6.76	13	PASS



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Band7	15MHz	256QAM	20825	1RB#0	7.42	13	PASS
Band7	15MHz	256QAM	20825	75RB#0	7.06	13	PASS
Band7	15MHz	256QAM	21100	1RB#0	7.18	13	PASS
Band7	15MHz	256QAM	21100	75RB#0	6.98	13	PASS
Band7	15MHz	256QAM	21375	1RB#0	7.30	13	PASS
Band7	15MHz	256QAM	21375	75RB#0	7.00	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	4.50	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	4.94	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.18	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.88	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.38	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.92	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	5.22	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.98	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	4.90	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.92	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.24	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.02	13	PASS
Band7	20MHz	64QAM	20850	1RB#0	6.36	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.72	13	PASS
Band7	20MHz	64QAM	21100	1RB#0	6.08	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.62	13	PASS
Band7	20MHz	64QAM	21350	1RB#0	6.32	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.66	13	PASS
Band7	20MHz	256QAM	20850	1RB#0	7.66	13	PASS
Band7	20MHz	256QAM	20850	100RB#0	7.00	13	PASS
Band7	20MHz	256QAM	21100	1RB#0	7.34	13	PASS
Band7	20MHz	256QAM	21100	100RB#0	6.90	13	PASS
Band7	20MHz	256QAM	21350	1RB#0	7.40	13	PASS
Band7	20MHz	256QAM	21350	100RB#0	6.94	13	PASS



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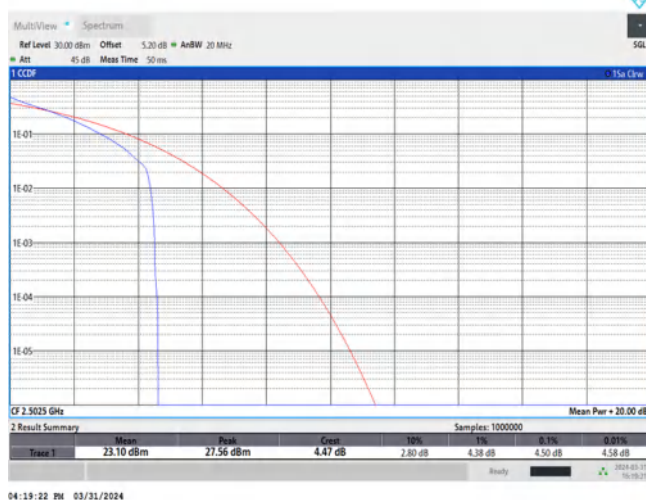
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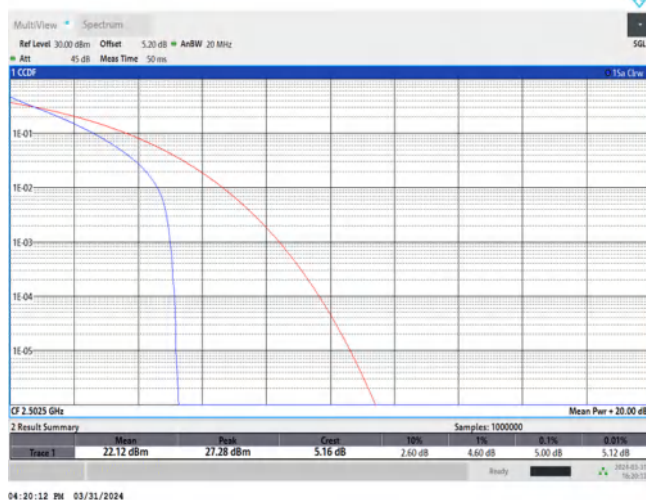
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Test Graphs

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



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



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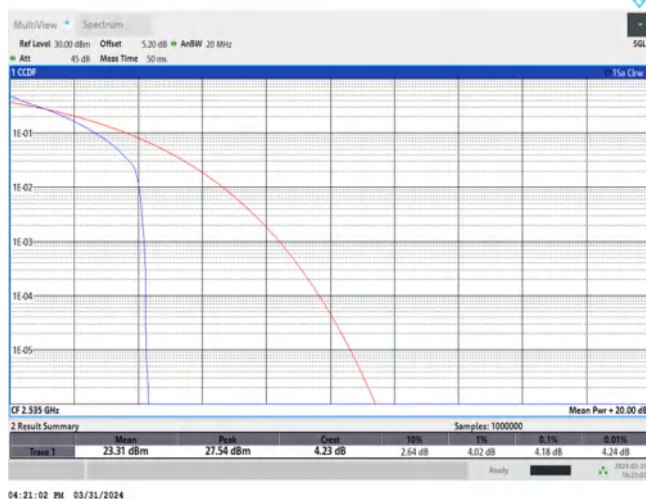
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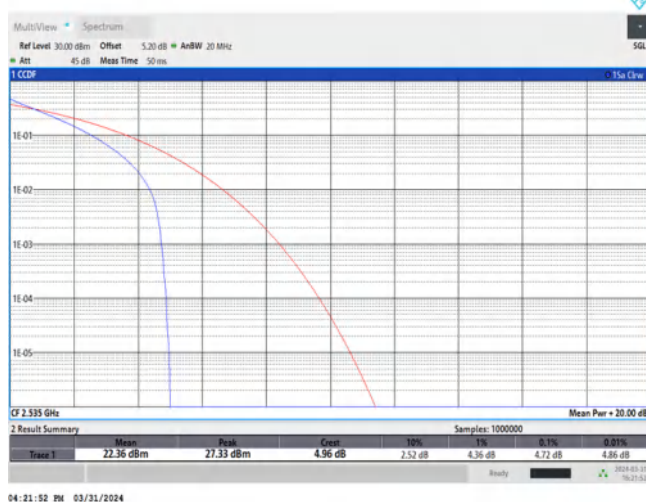
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Band7-5MHz-QPSK-21100-1RB#0



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



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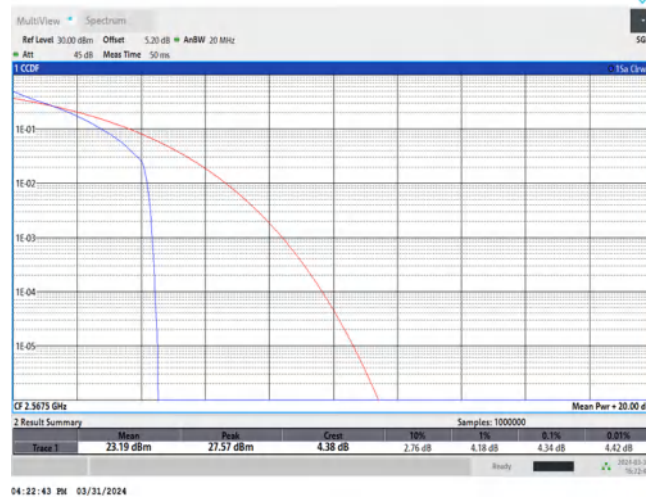
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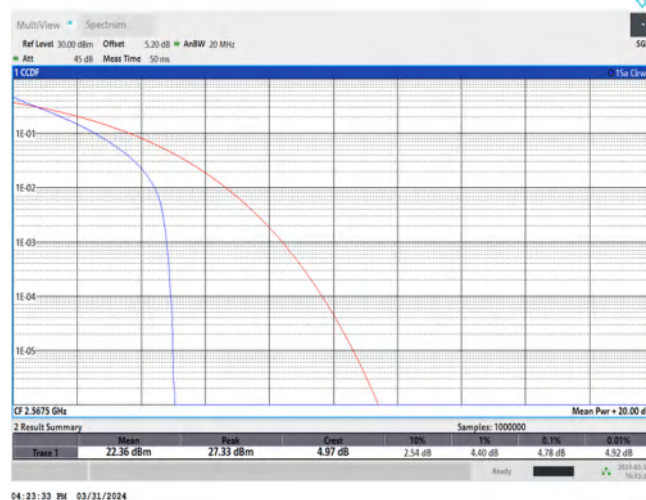
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Band7-5MHz-QPSK-21425-25RB#0



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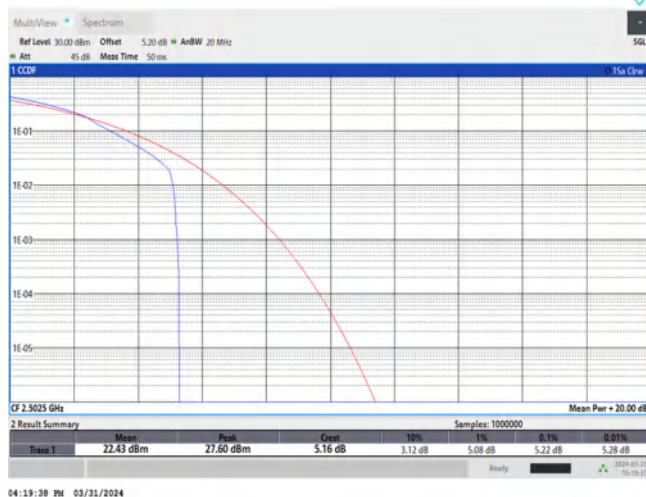
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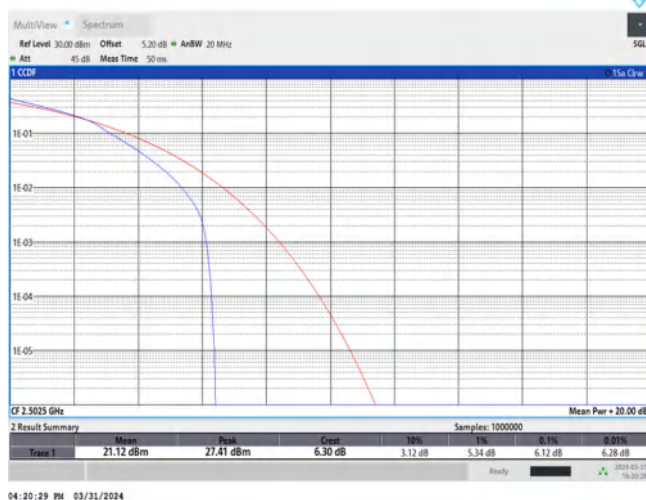
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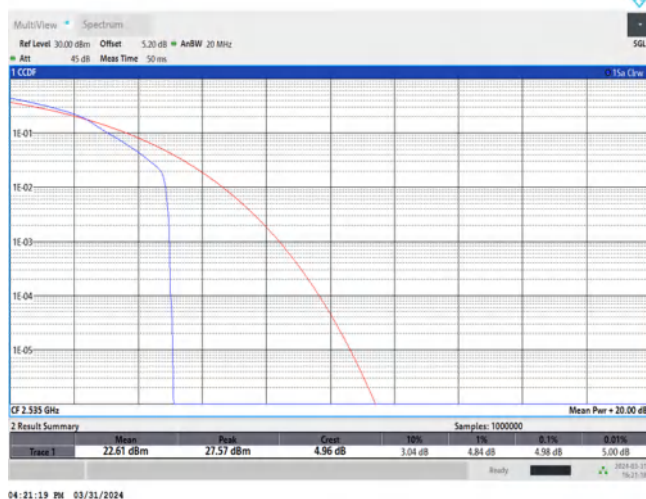
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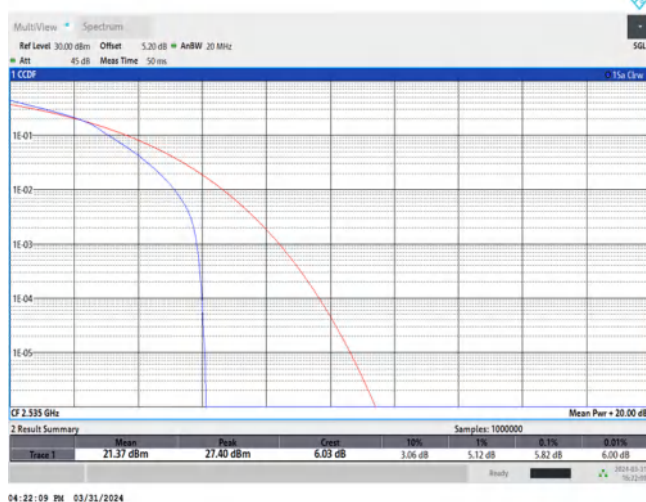
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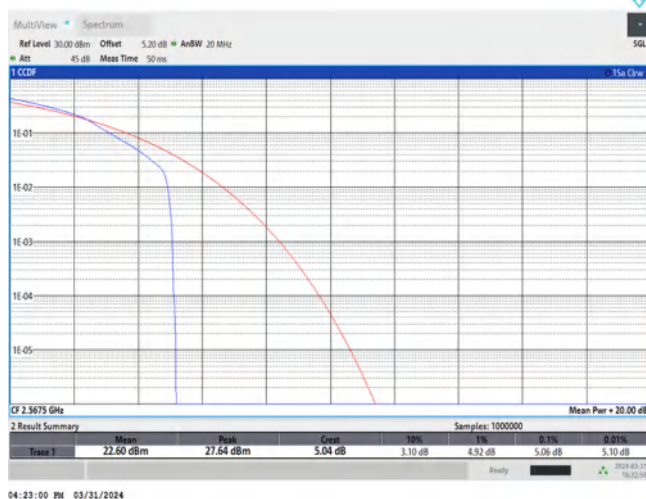
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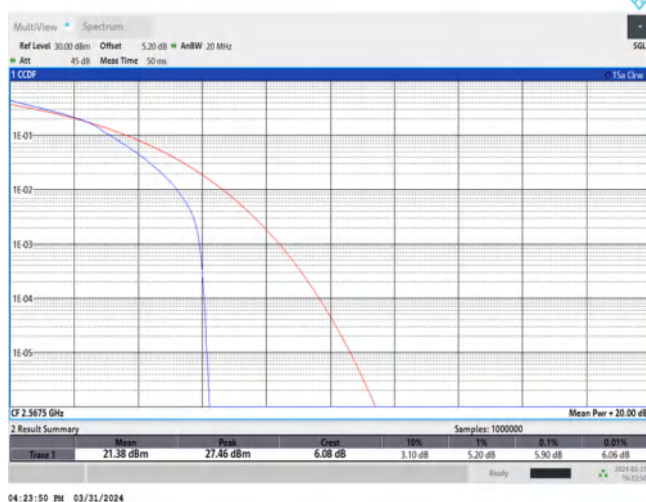
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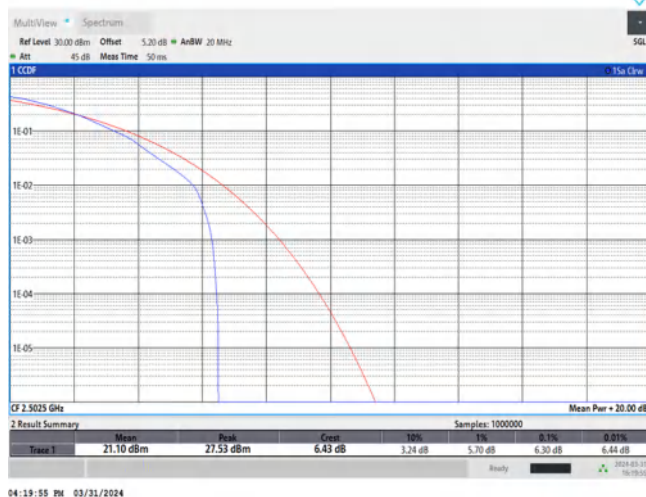
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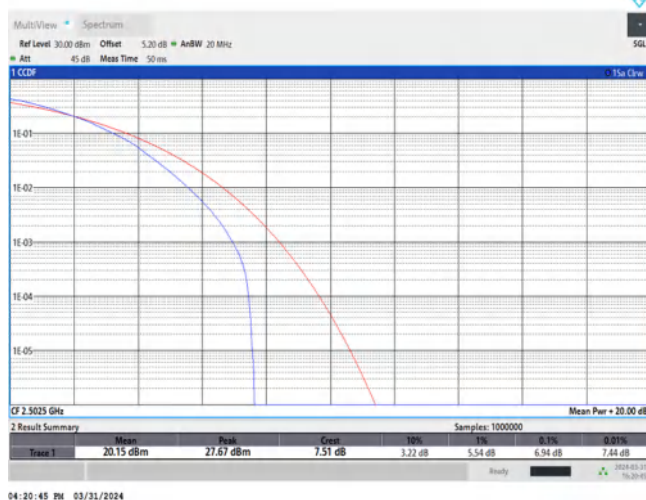
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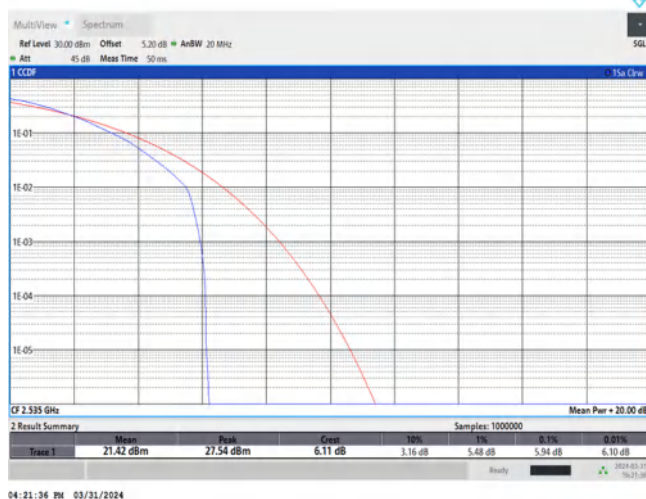
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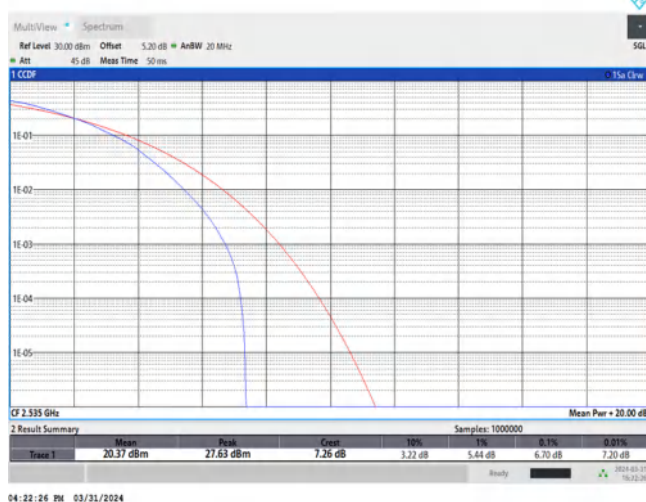
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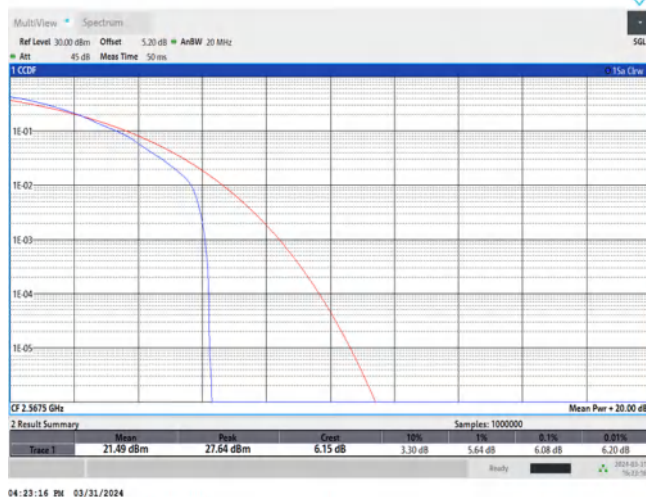
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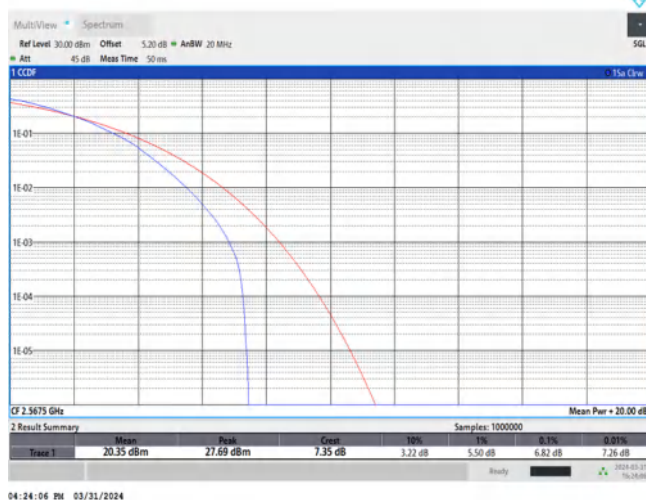
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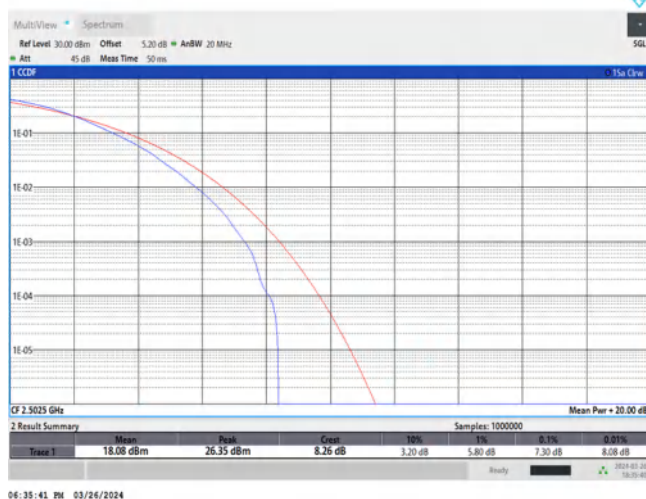
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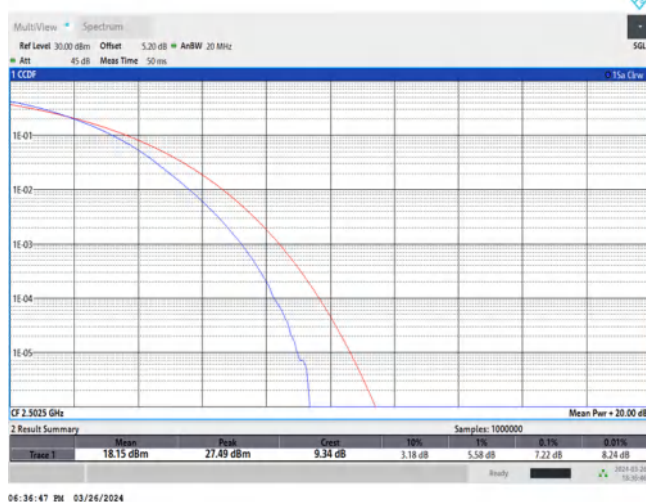
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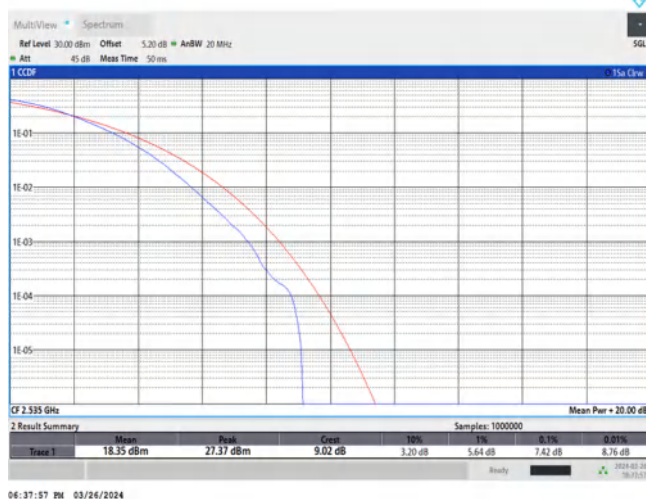
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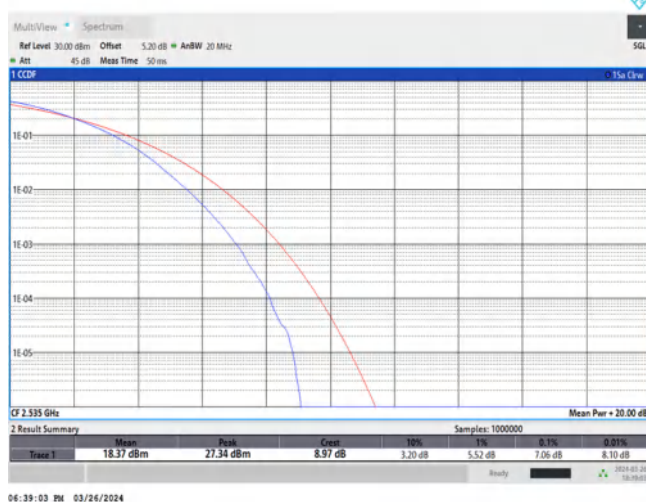
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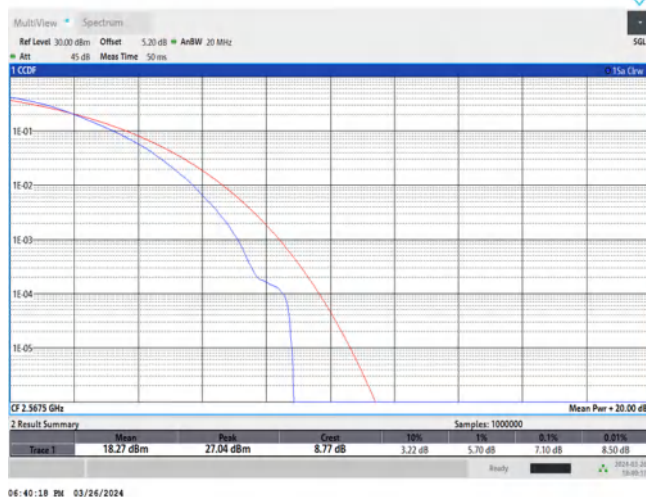
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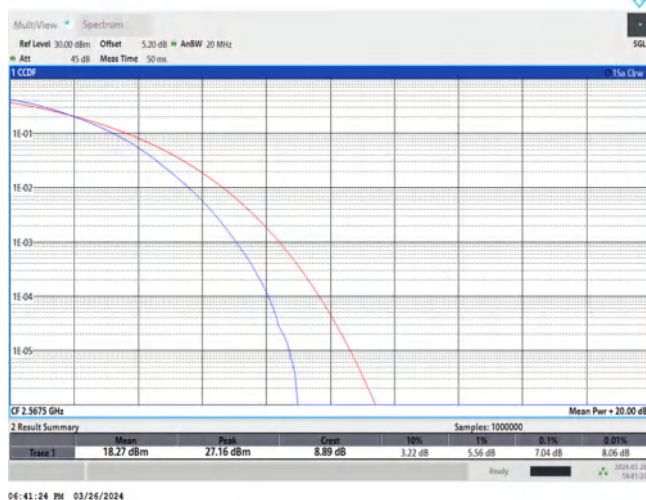
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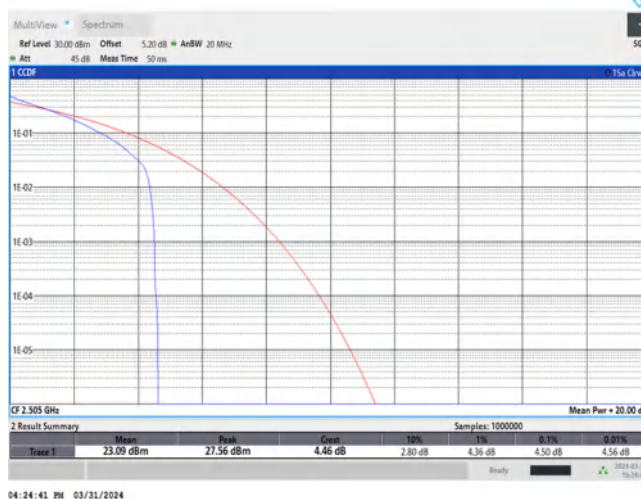


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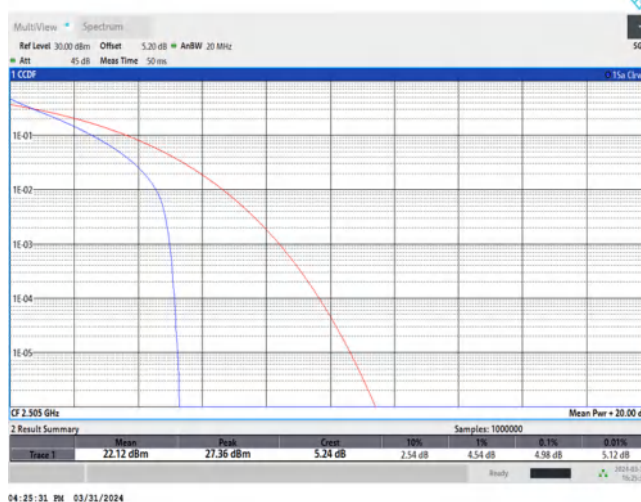
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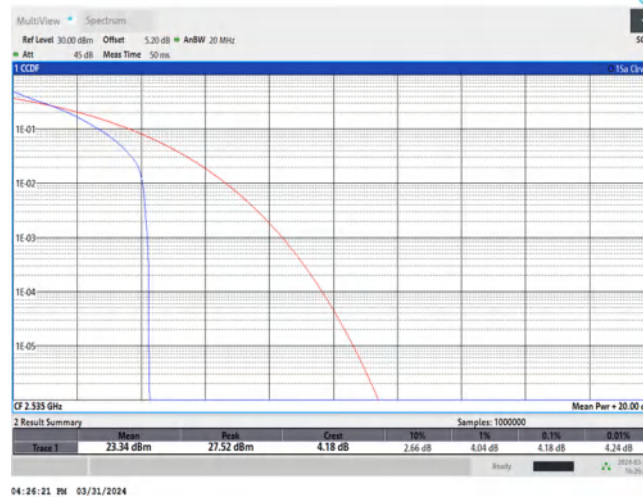
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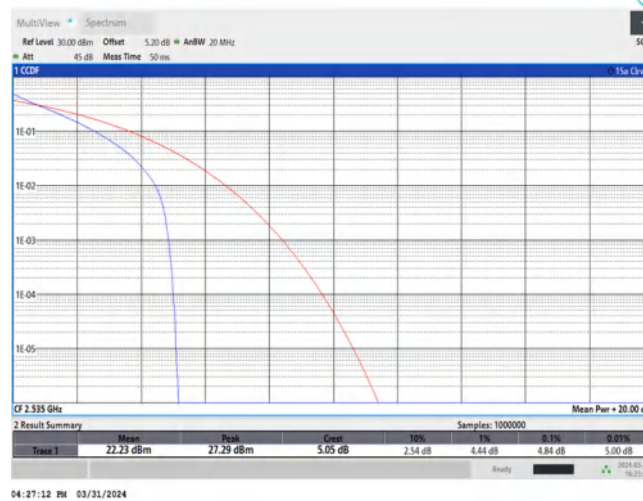
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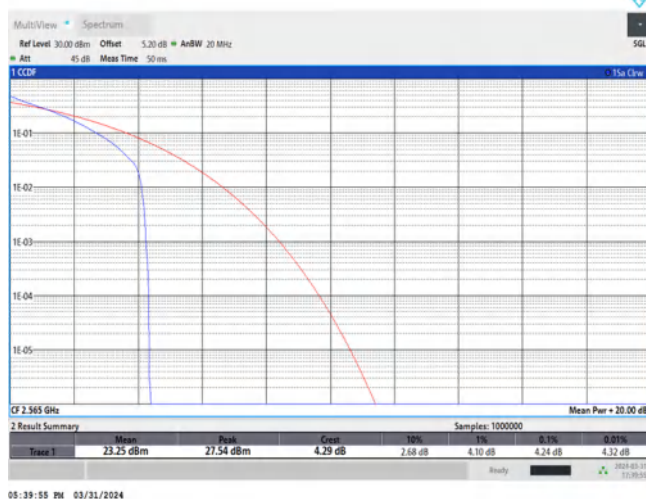
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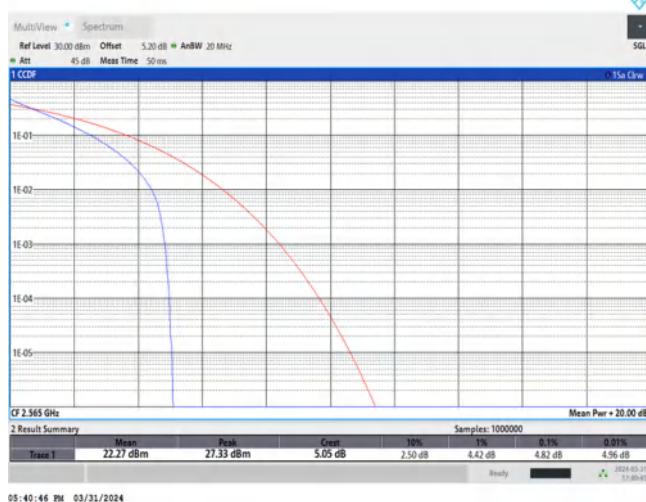
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Band7-10MHz-QPSK-21400-50RB#0



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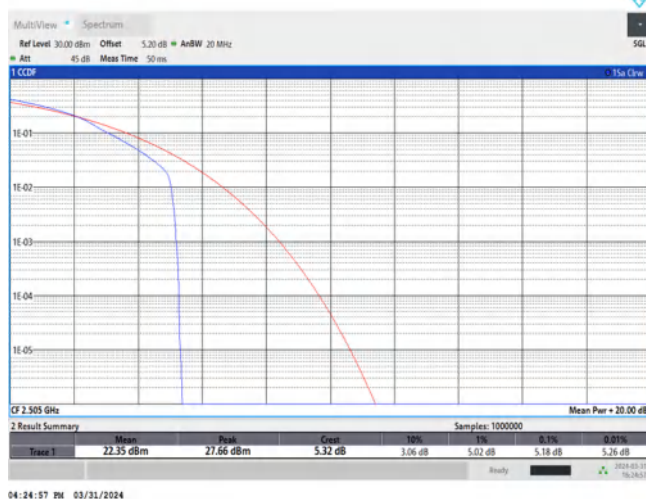
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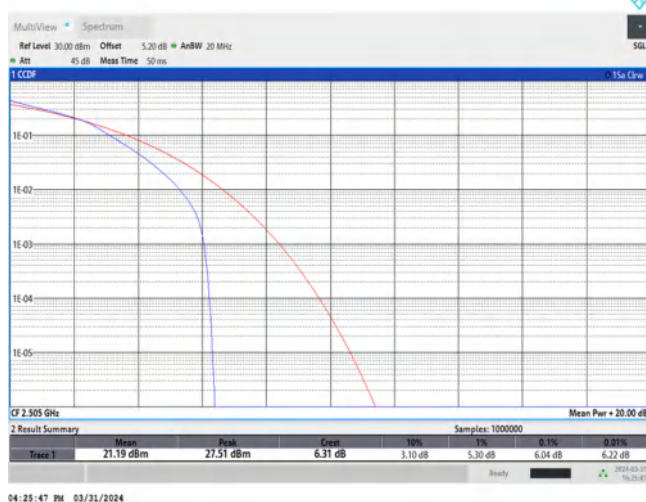
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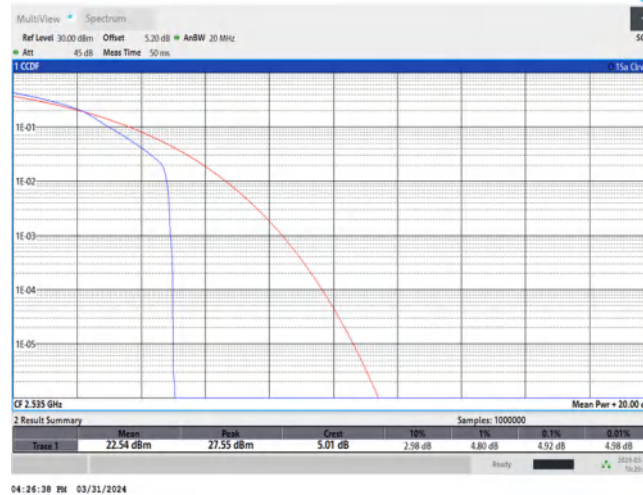
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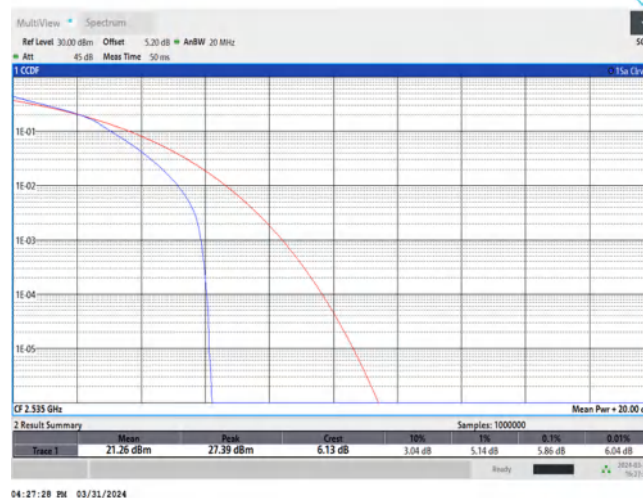
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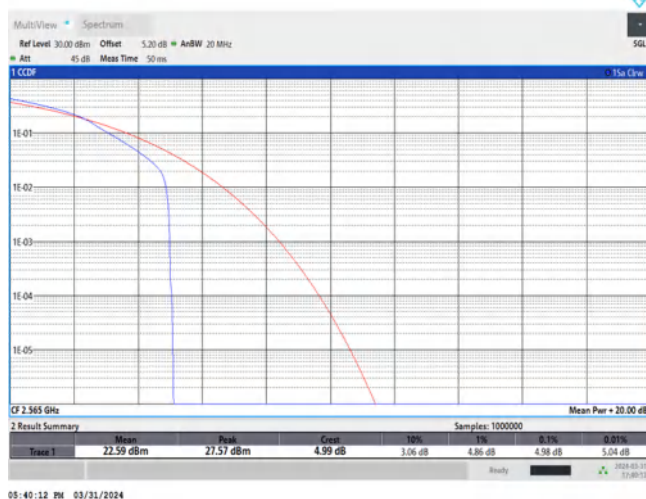
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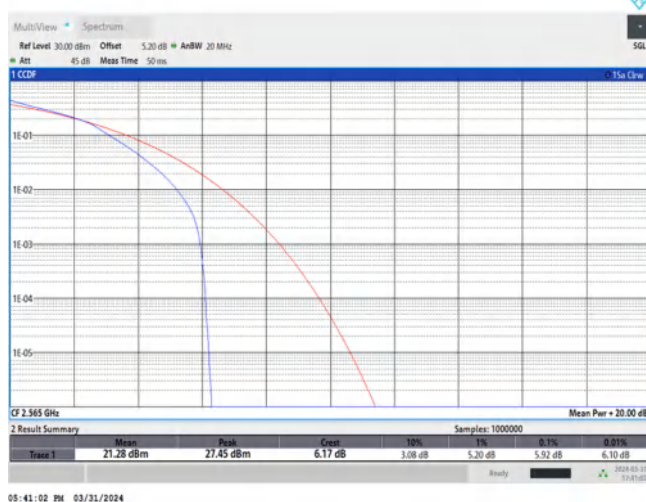
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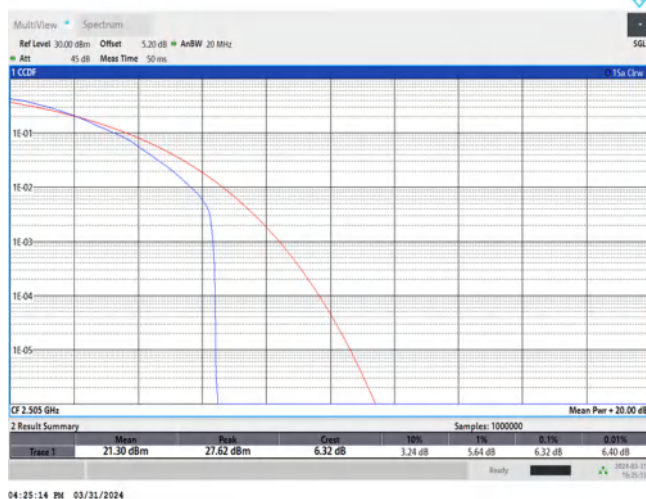


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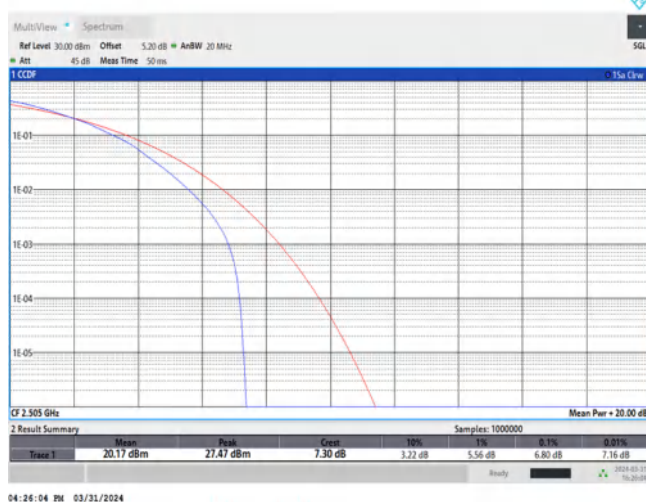
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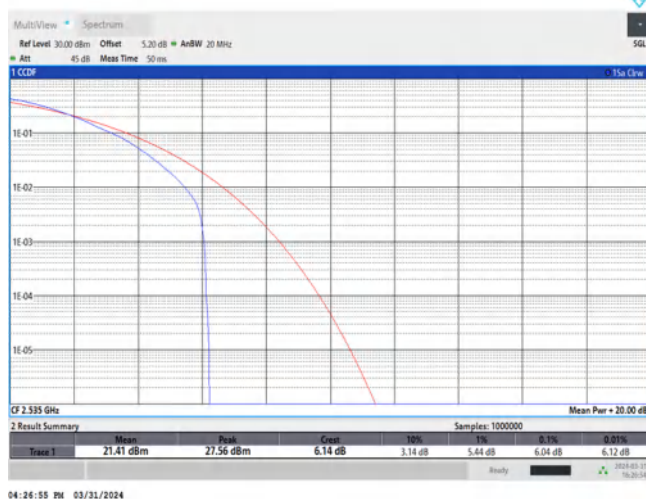
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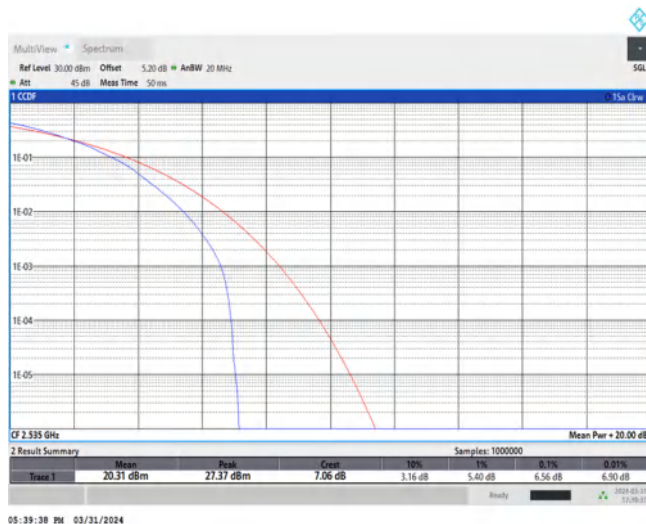
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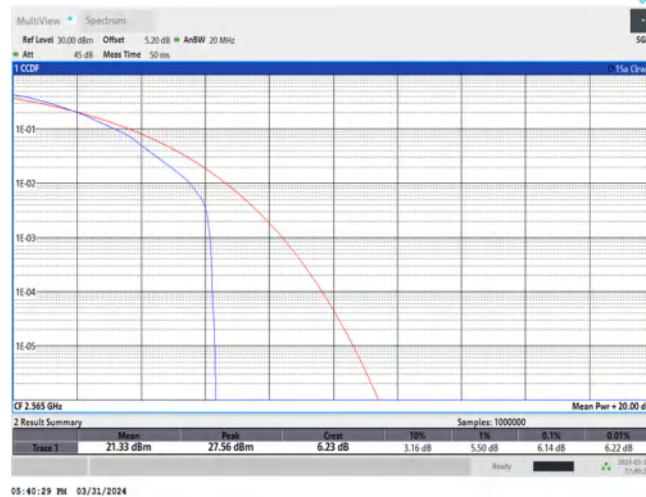
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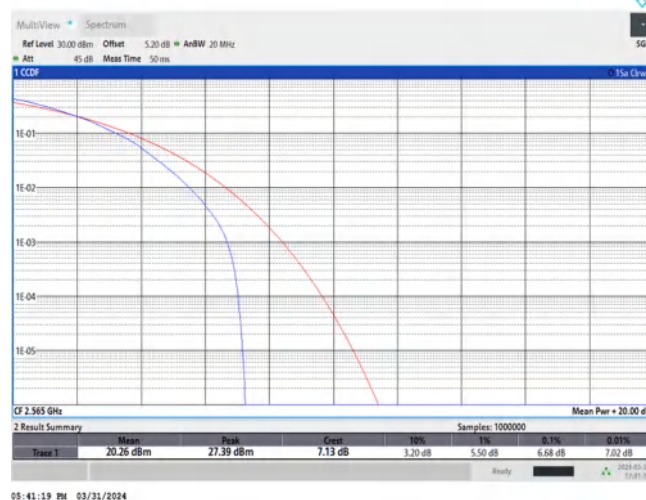
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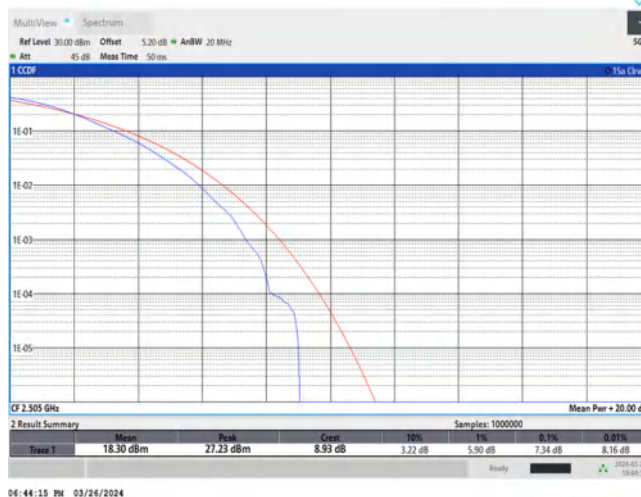
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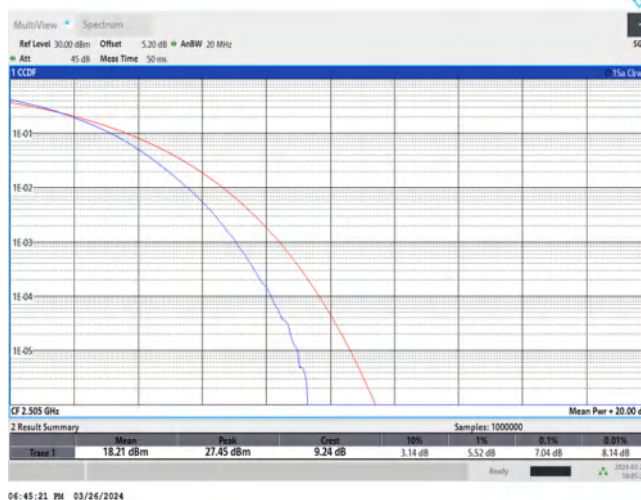
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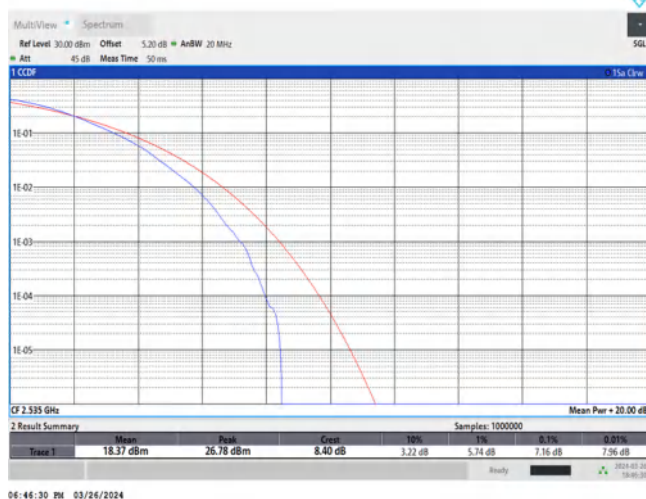
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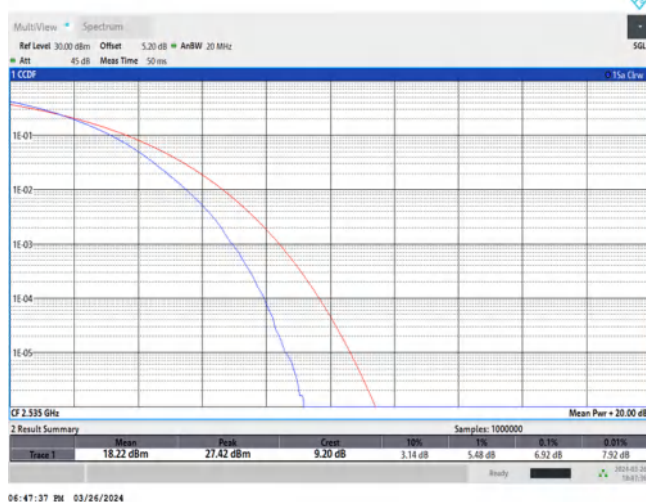
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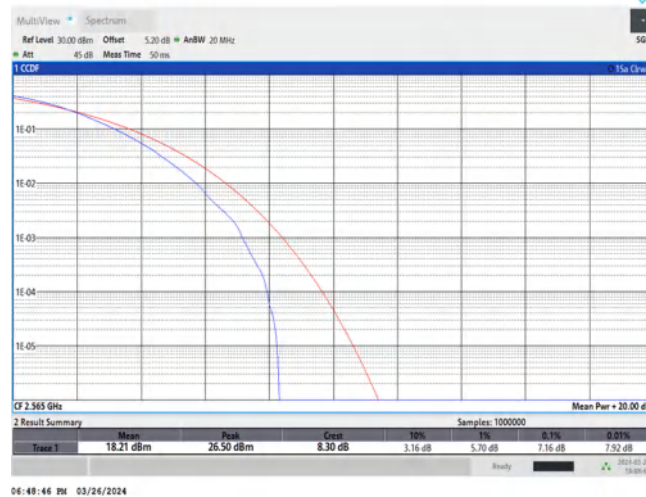
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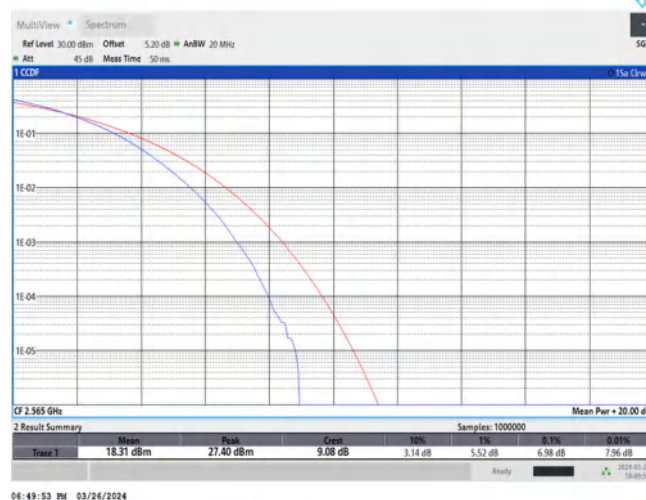
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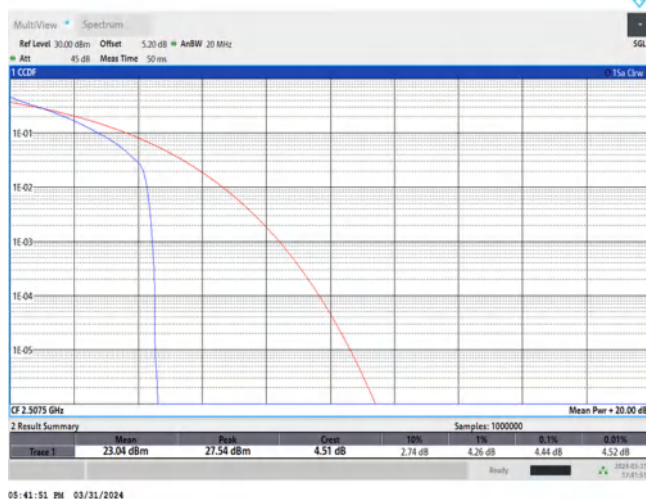
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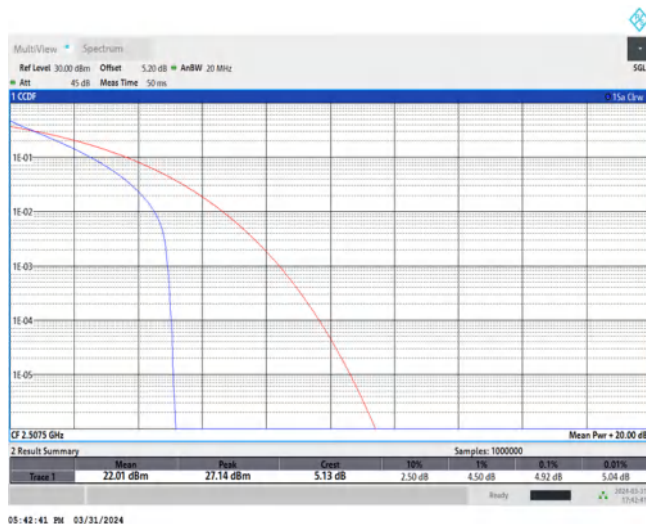
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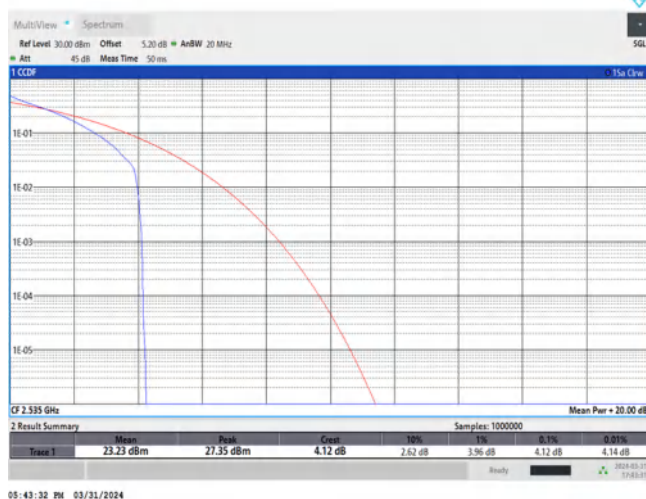


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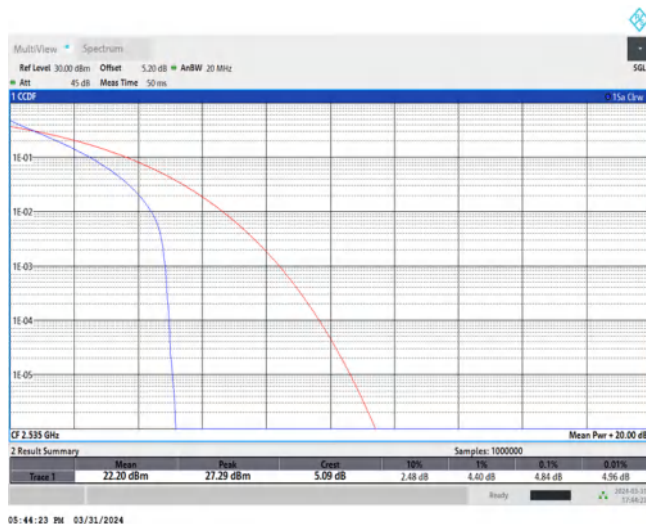
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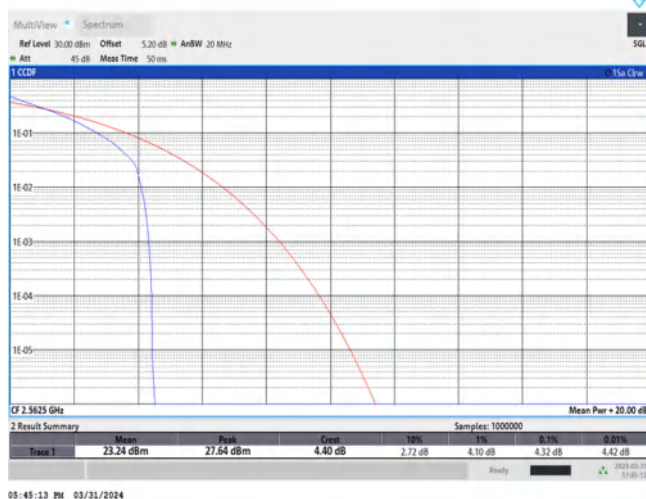
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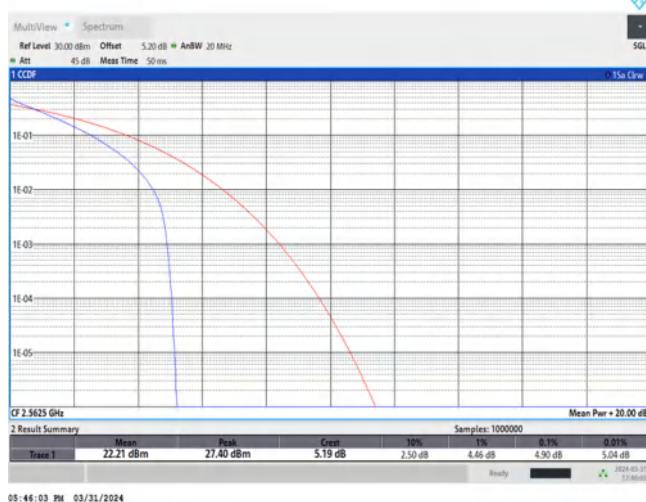
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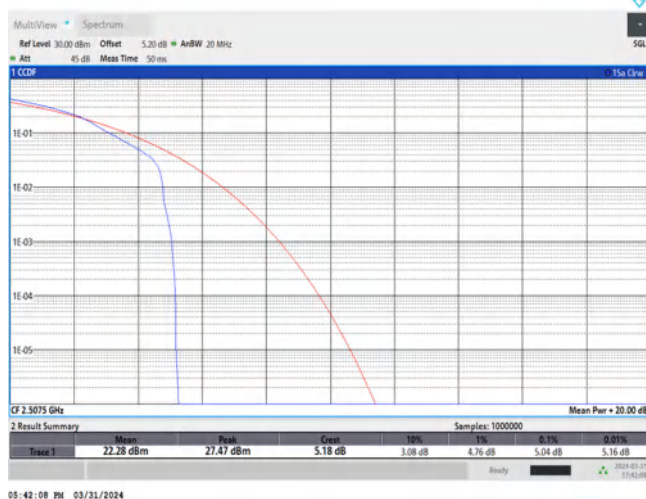
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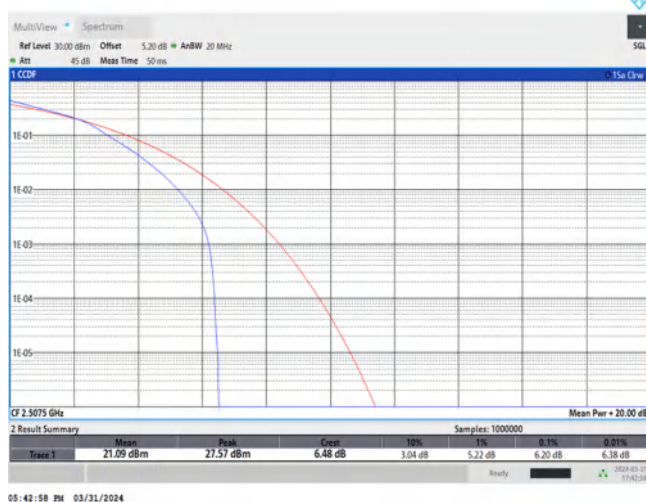
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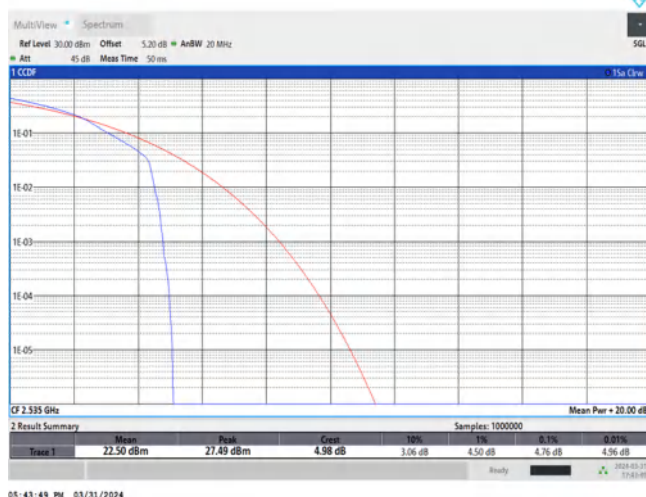
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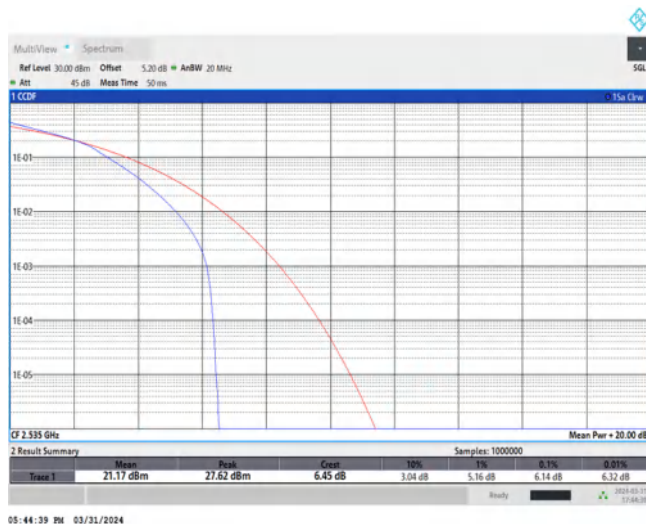
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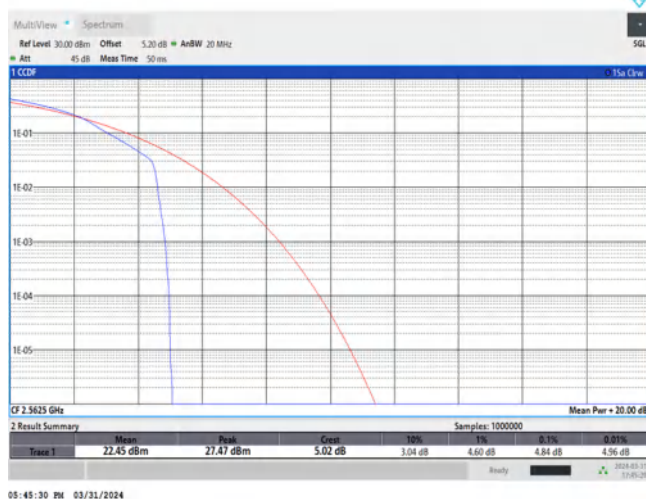
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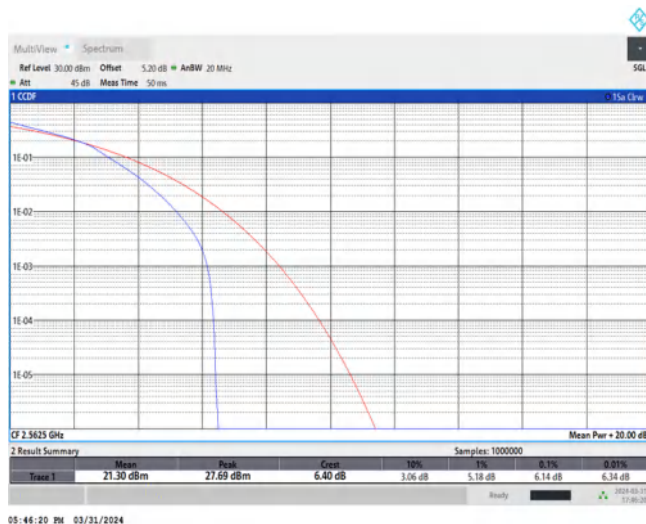
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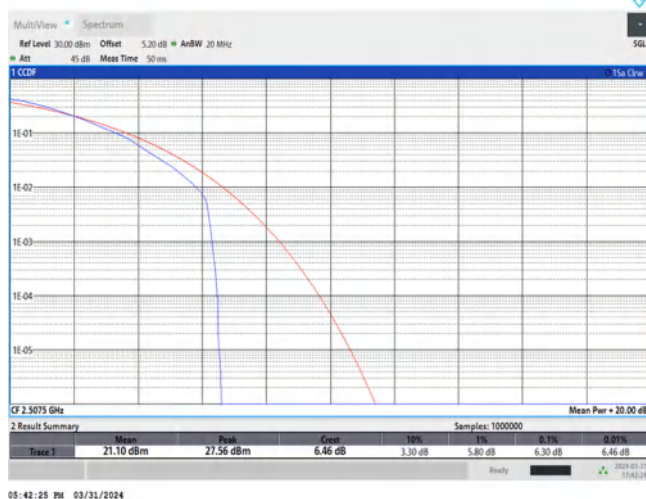
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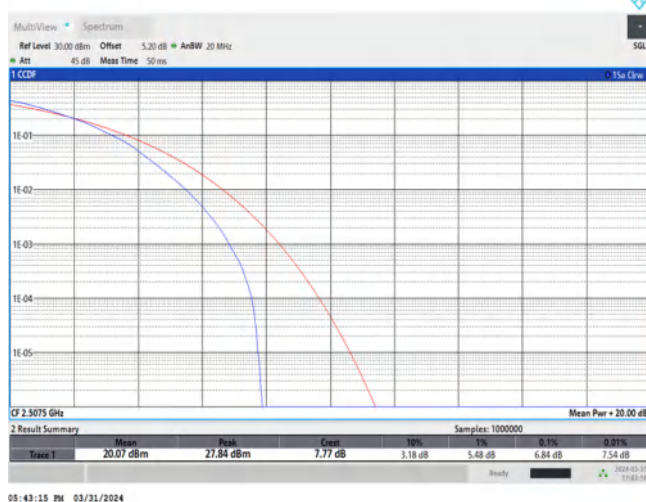
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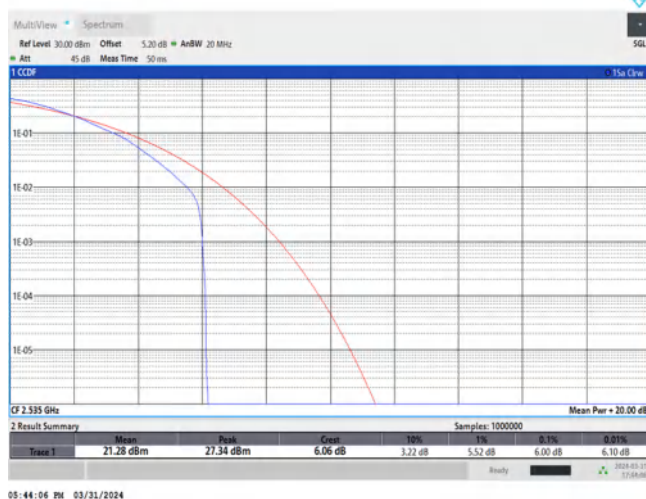
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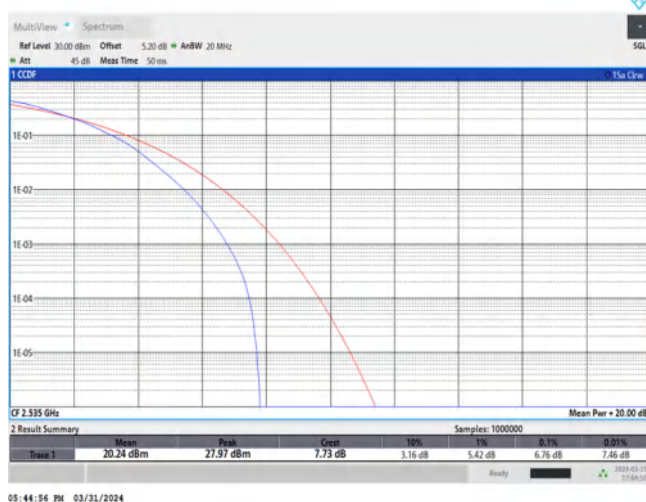
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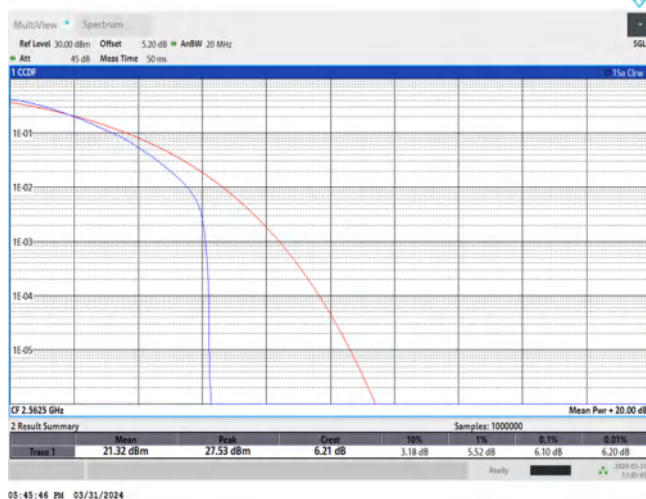
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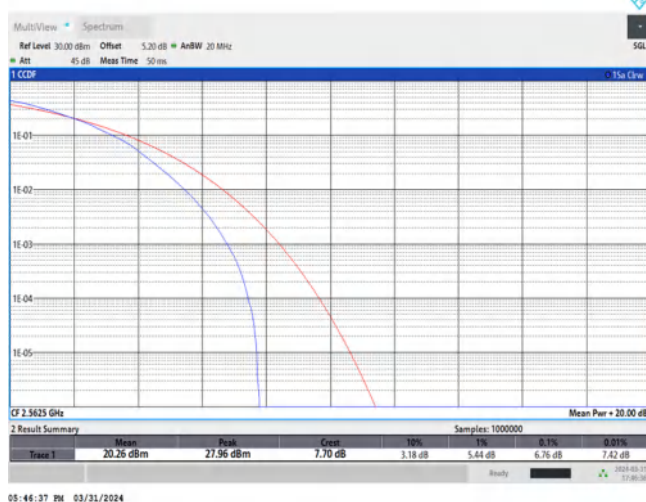
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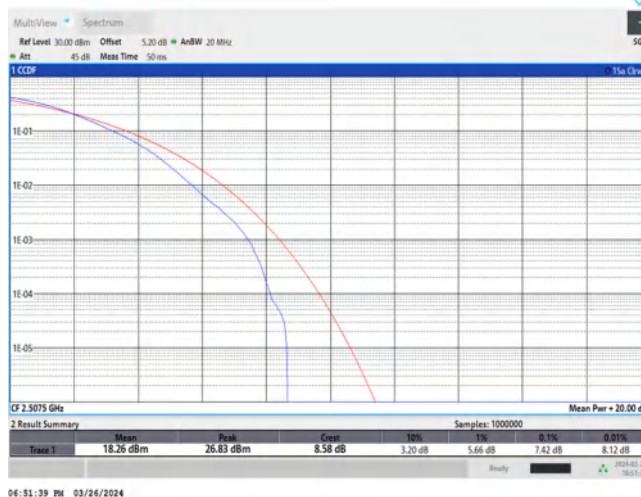
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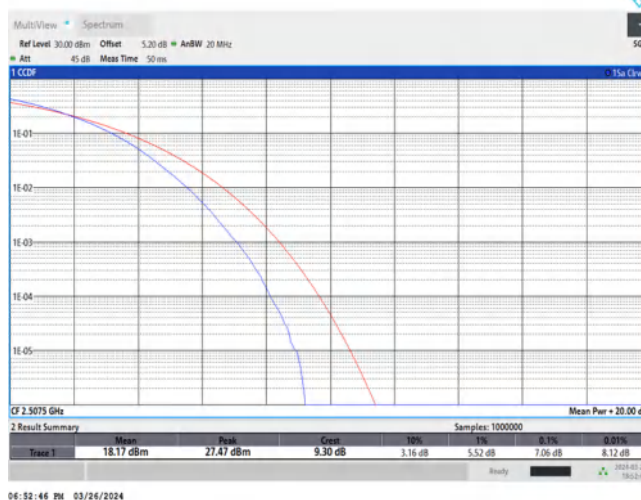
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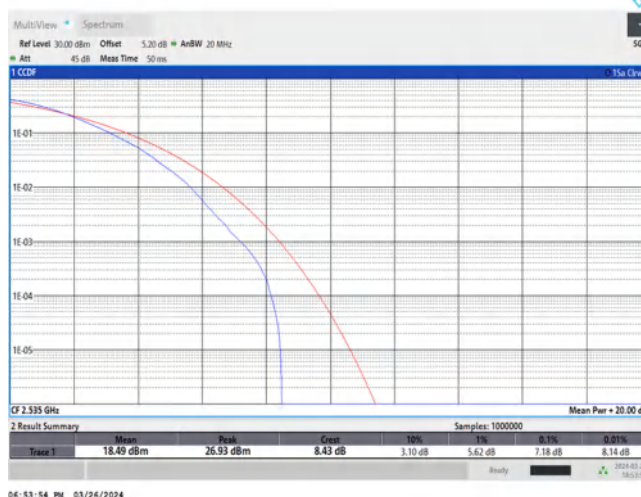
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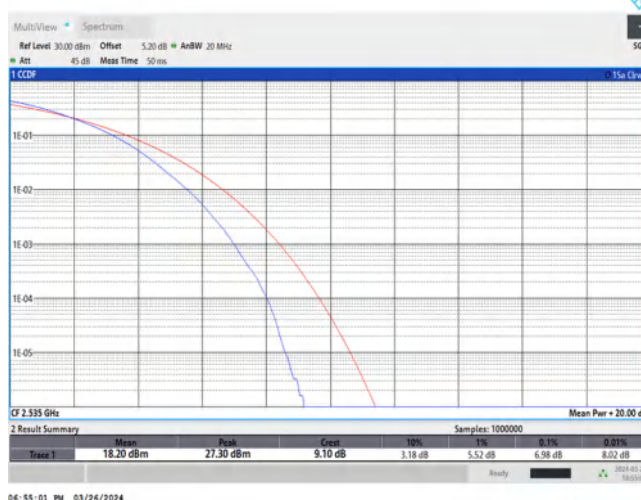
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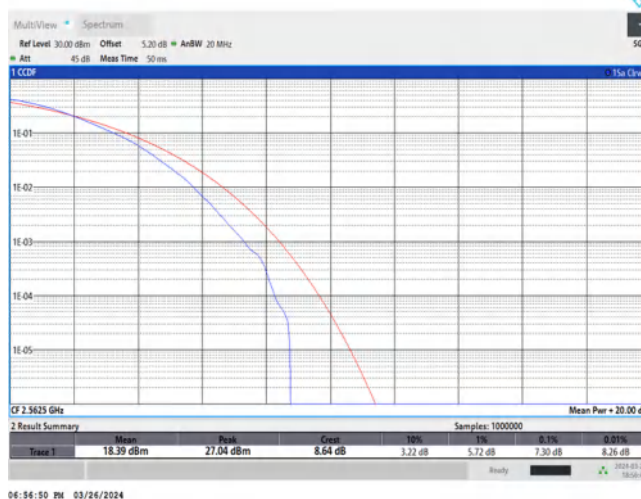
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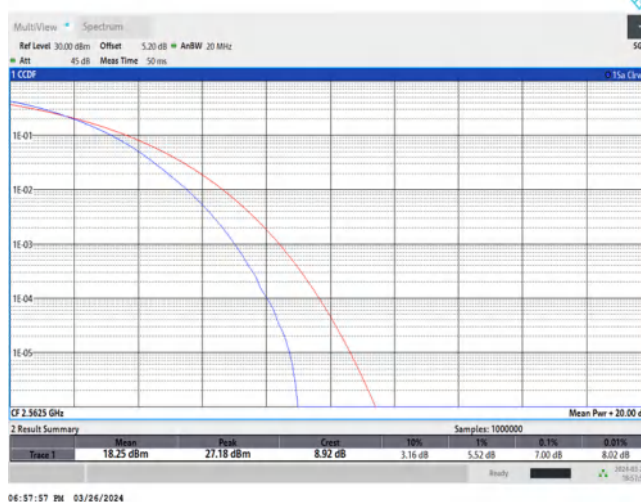
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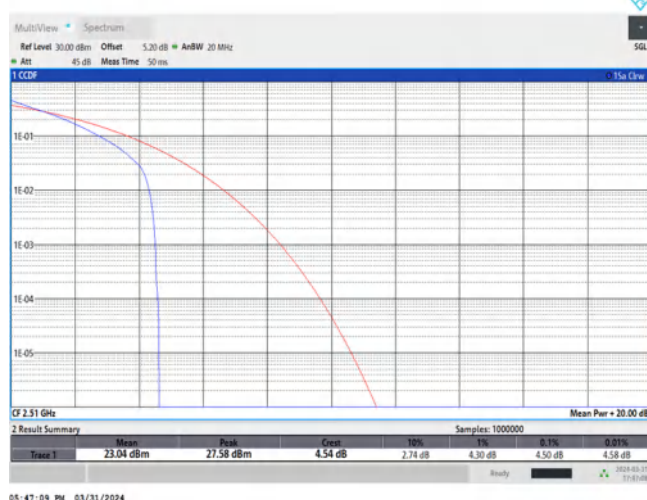
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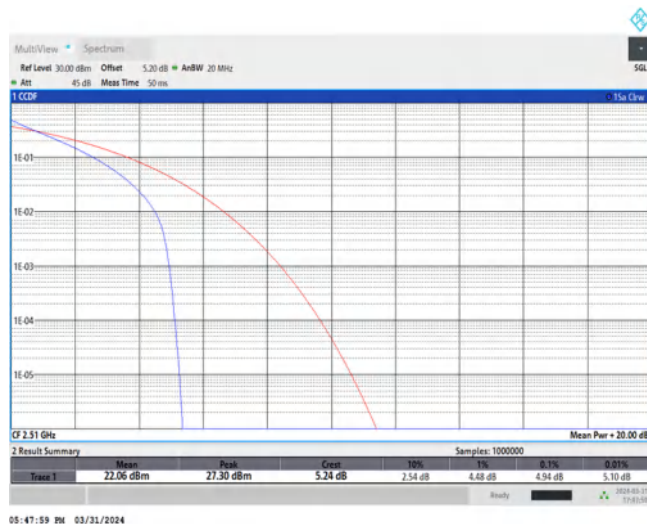
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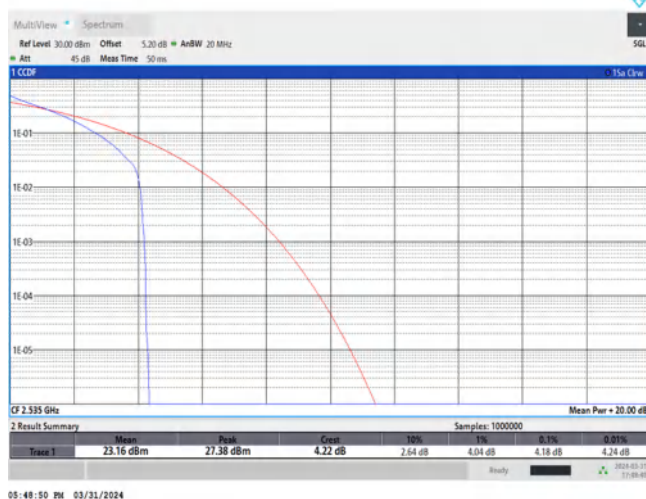
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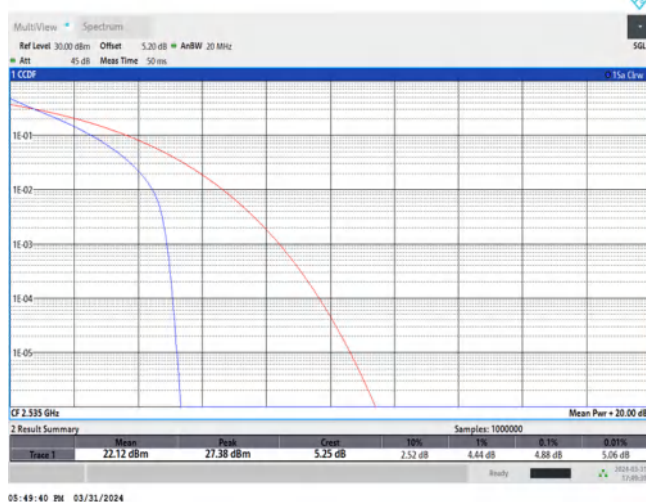
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Band7-20MHz-QPSK-21100-1RB#0



Band7-20MHz-QPSK-21100-100RB#0



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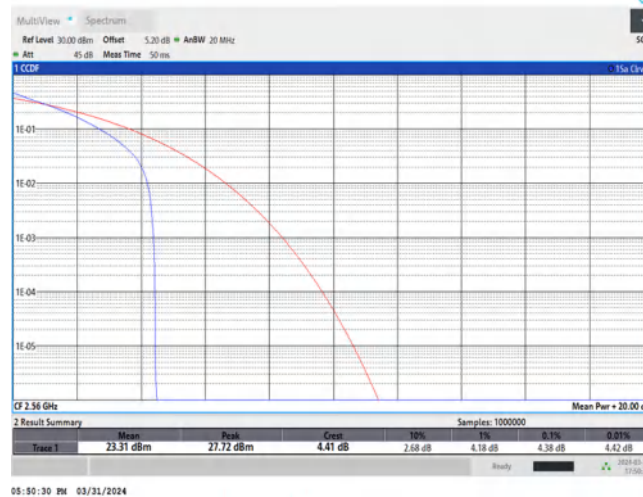
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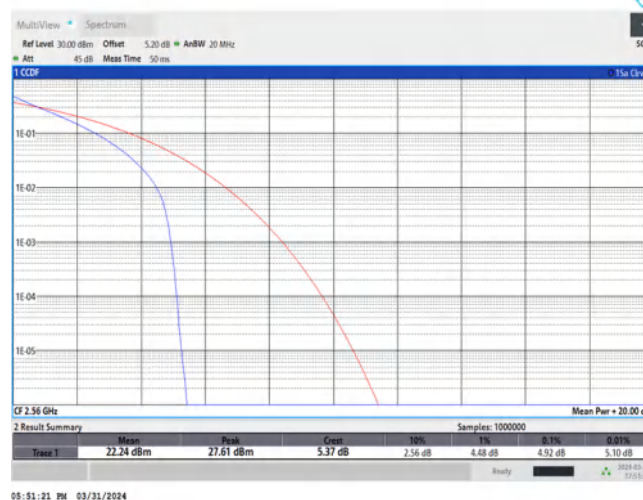
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Band7-20MHz-QPSK-21350-1RB#0



Band7-20MHz-QPSK-21350-100RB#0



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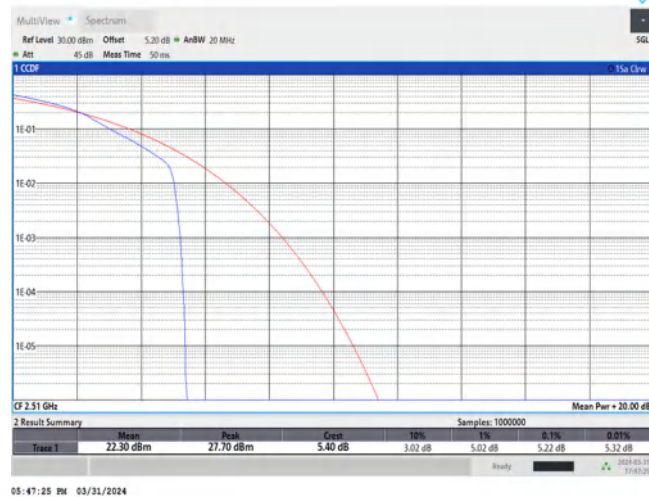
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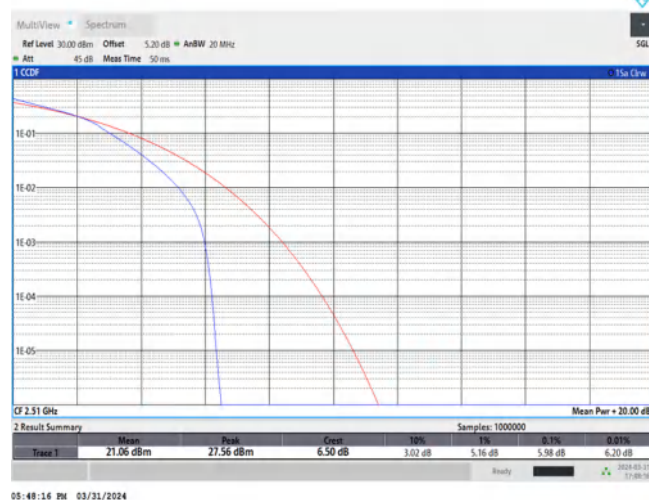
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Band7-20MHz-16QAM-20850-1RB#0



Band7-20MHz-16QAM-20850-100RB#0



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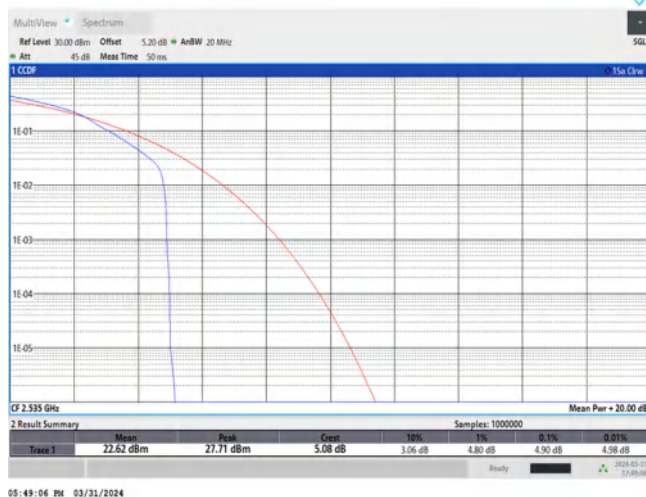
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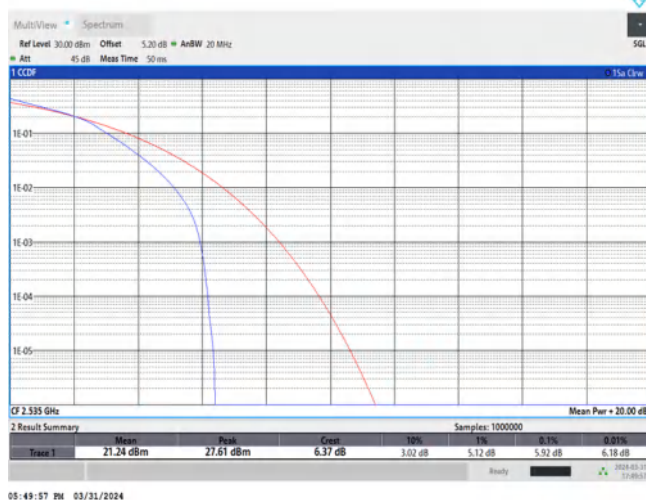
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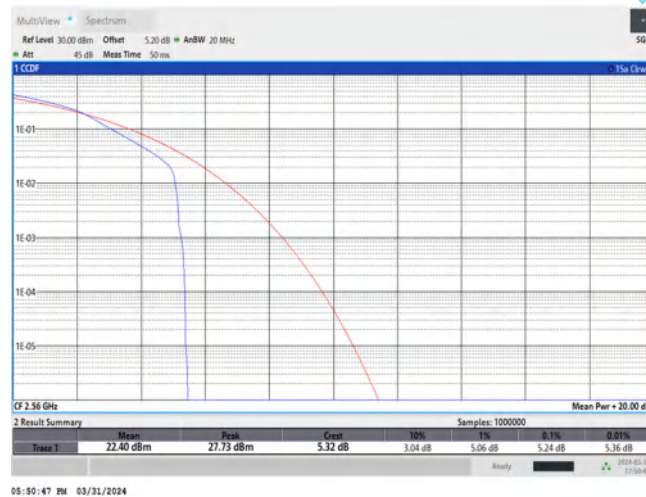
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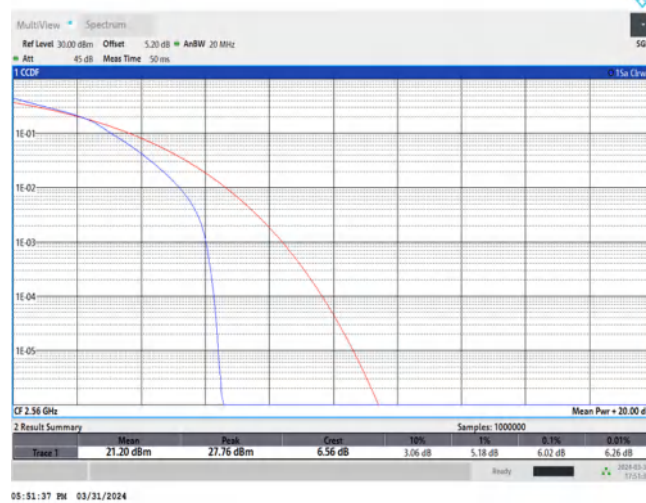
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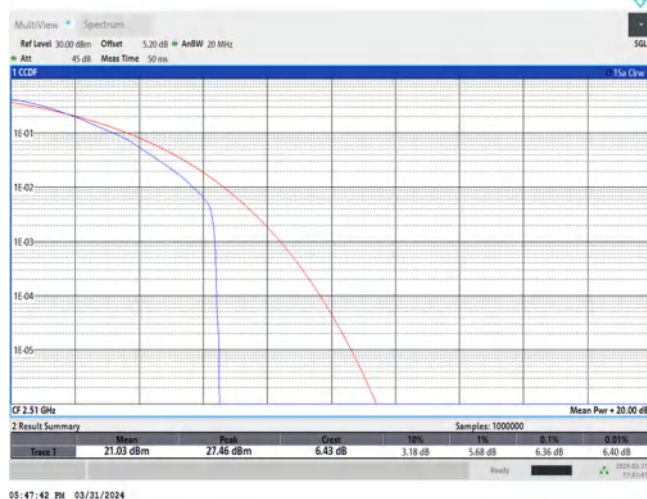
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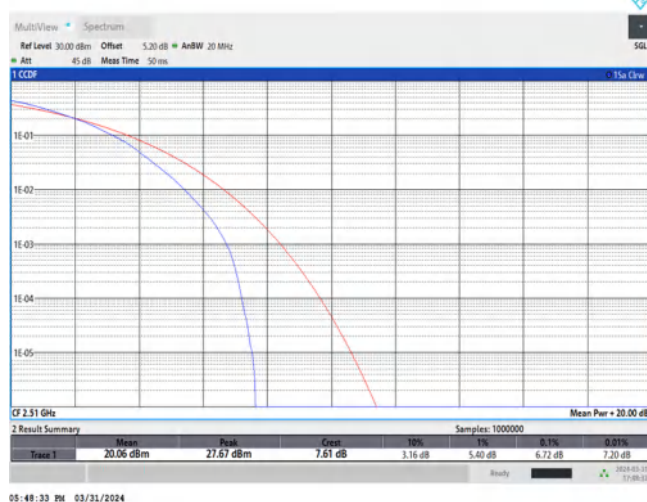
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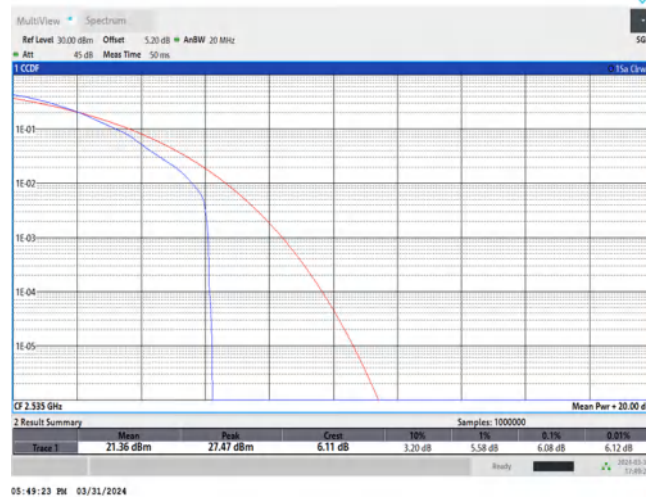
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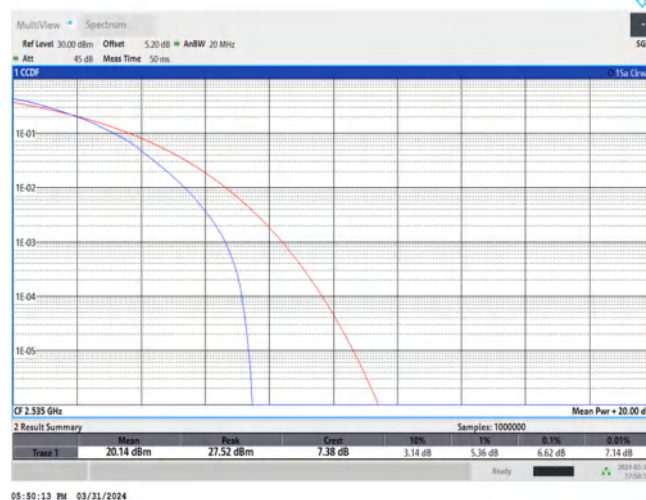
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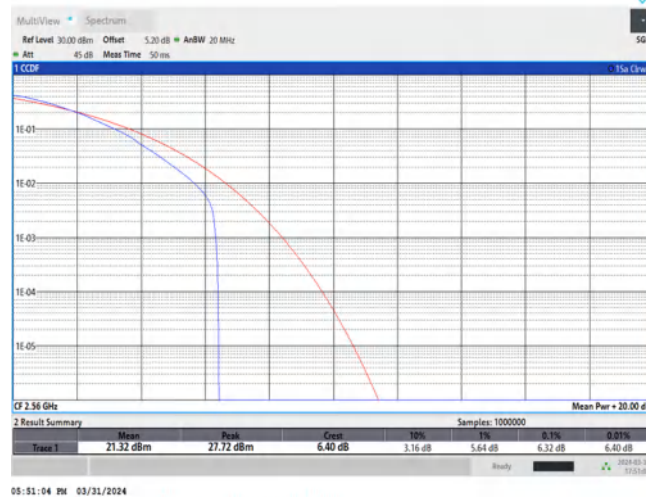
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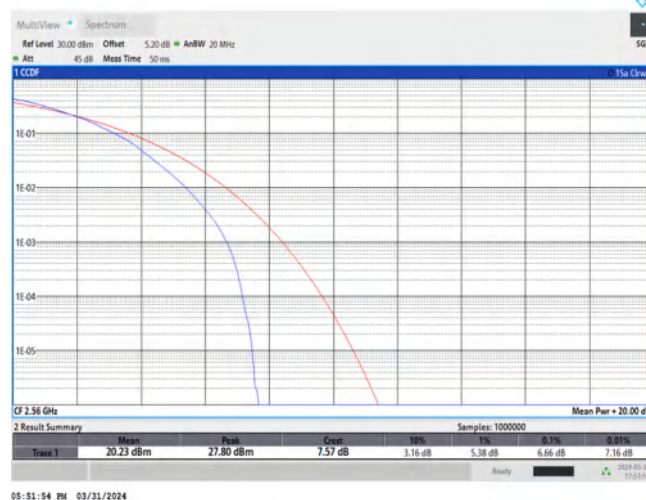
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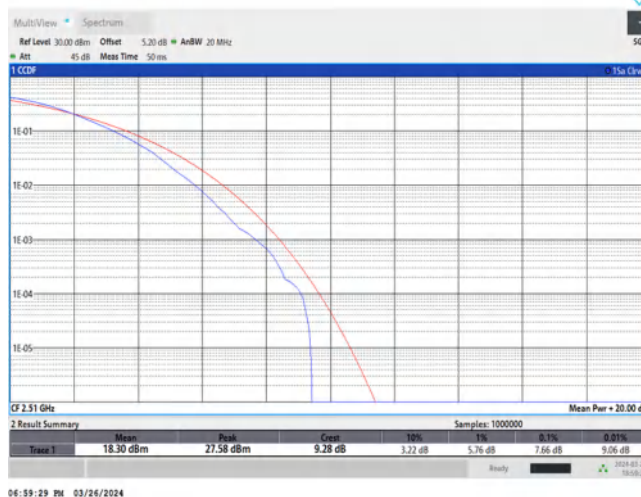
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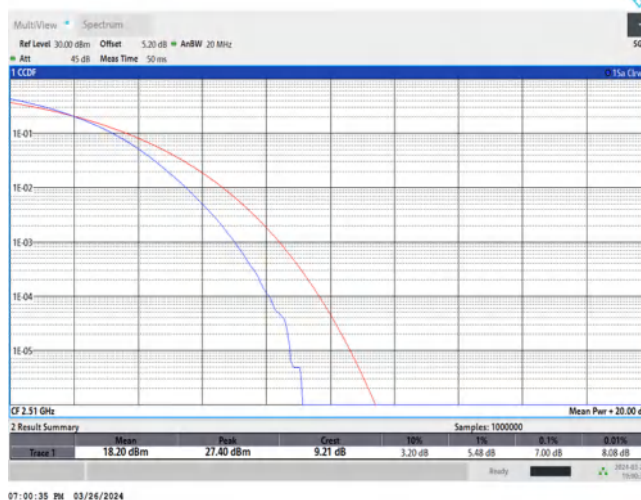
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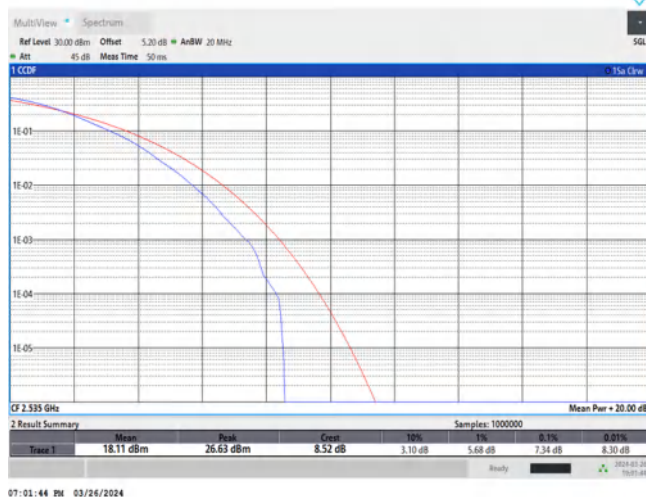
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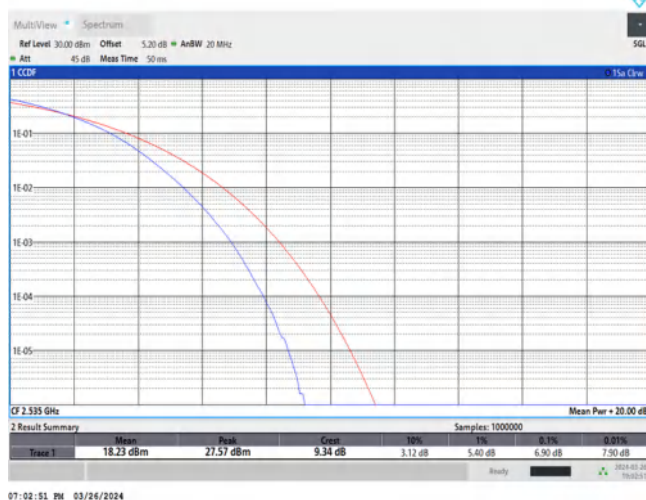
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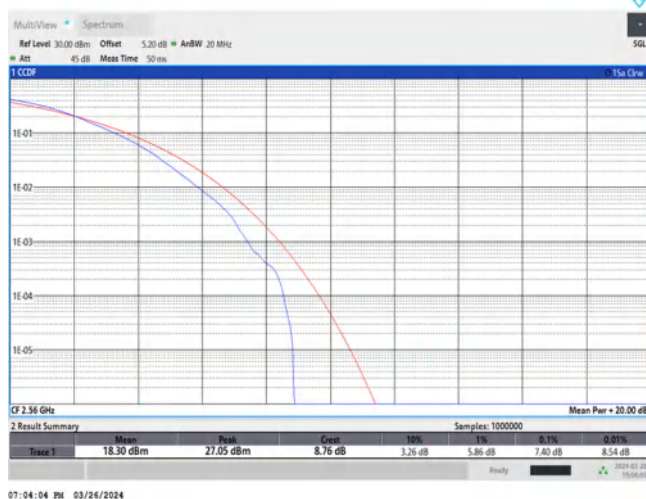
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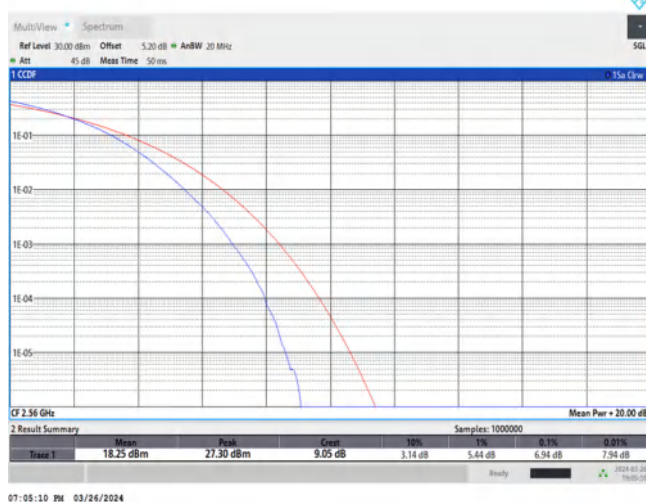
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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	21100	25RB#0	4.477	5.02	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.476	5.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.474	5.03	PASS
Band7	5MHz	256QAM	21100	25RB#0	4.479	5.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.946	9.84	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.948	9.92	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.949	9.94	PASS
Band7	10MHz	256QAM	21100	50RB#0	8.95	9.90	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.507	15.18	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.489	15.03	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.479	15.06	PASS
Band7	15MHz	256QAM	21100	75RB#0	13.481	15.03	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.917	19.80	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.929	19.72	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.9	19.68	PASS
Band7	20MHz	256QAM	21100	100RB#0	17.919	19.60	PASS



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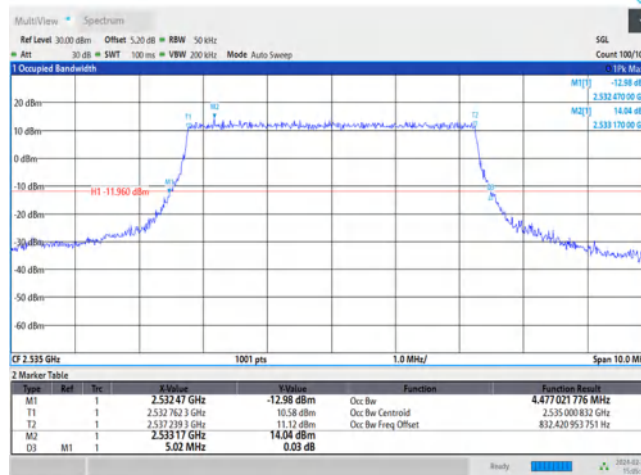
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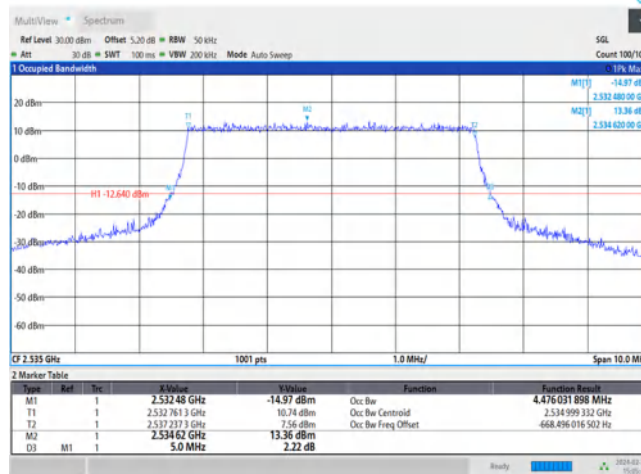
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Test Graphs

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



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



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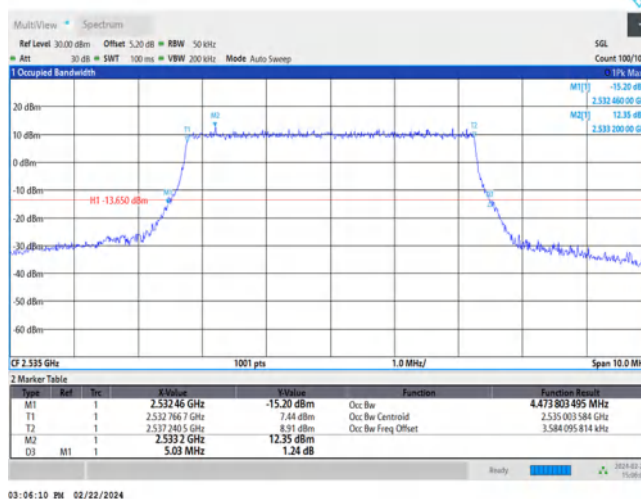
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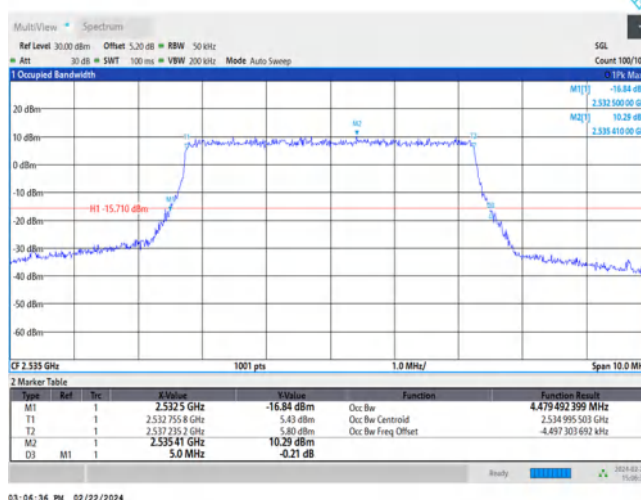
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Band7-5MHz-64QAM-21100-25RB#0



Band7-5MHz-256QAM-21100-25RB#0



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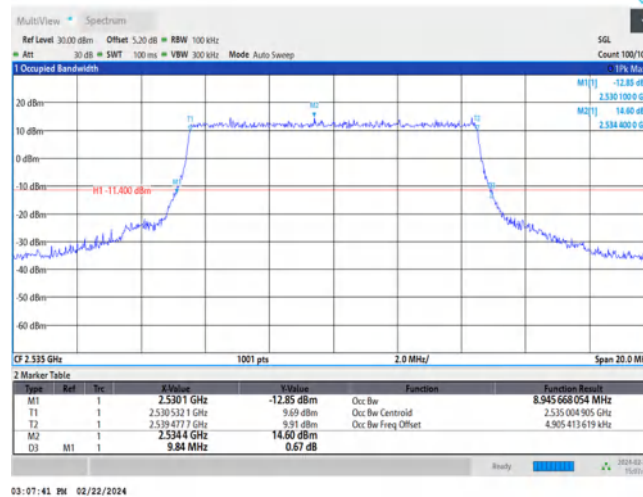
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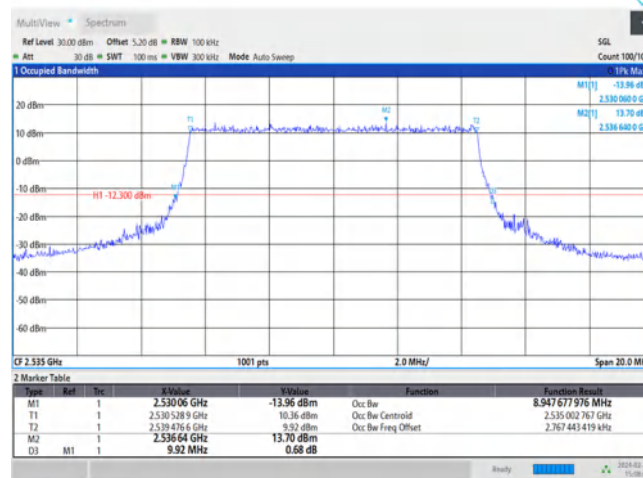
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Band7-10MHz-16QAM-21100-50RB#0



03:08:07 PM 02/22/2024



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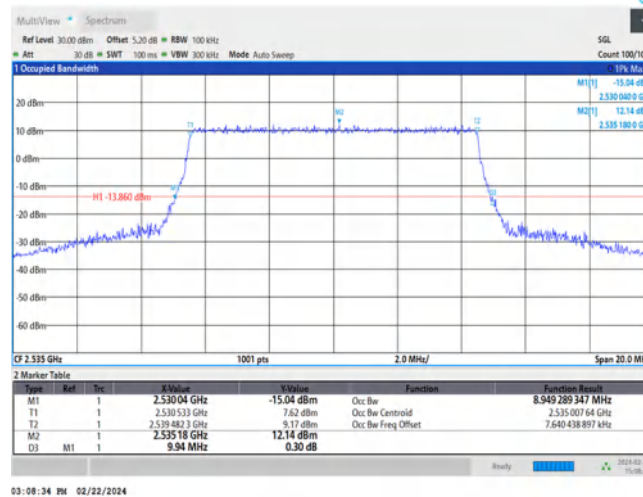
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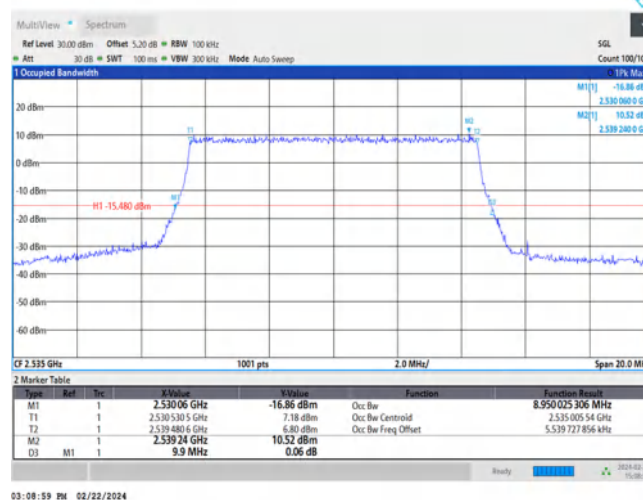
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Band7-10MHz-64QAM-21100-50RB#0



Band7-10MHz-256QAM-21100-50RB#0



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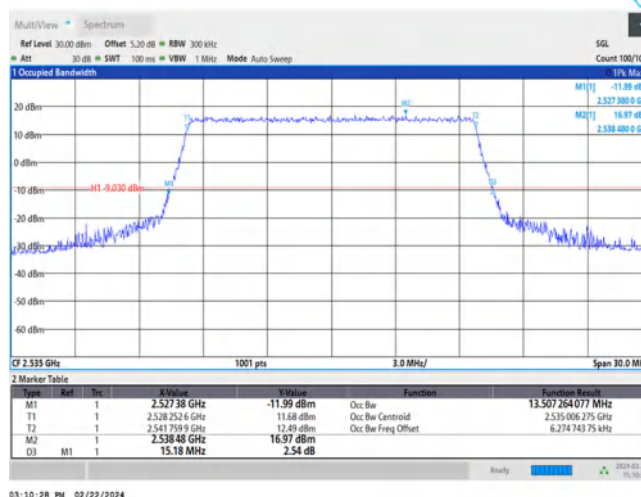
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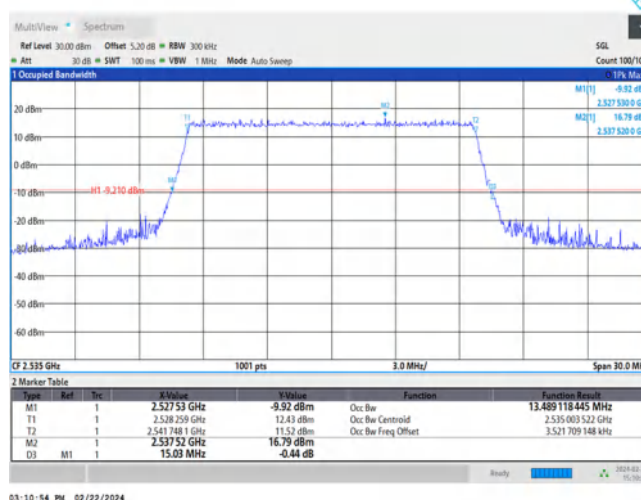
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Band7-15MHz-QPSK-21100-75RB#0



Band7-15MHz-16QAM-21100-75RB#0



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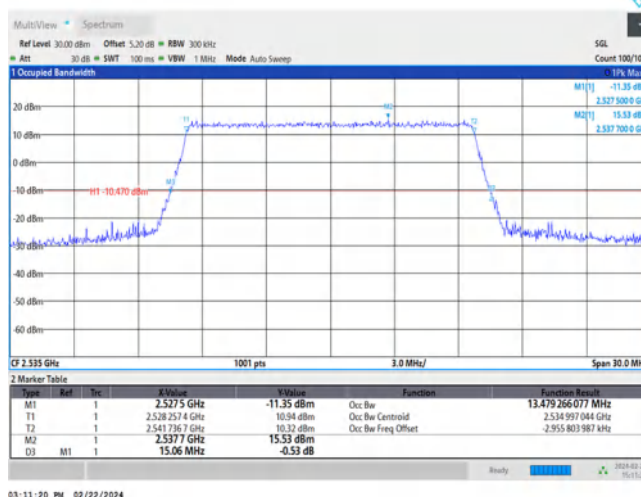
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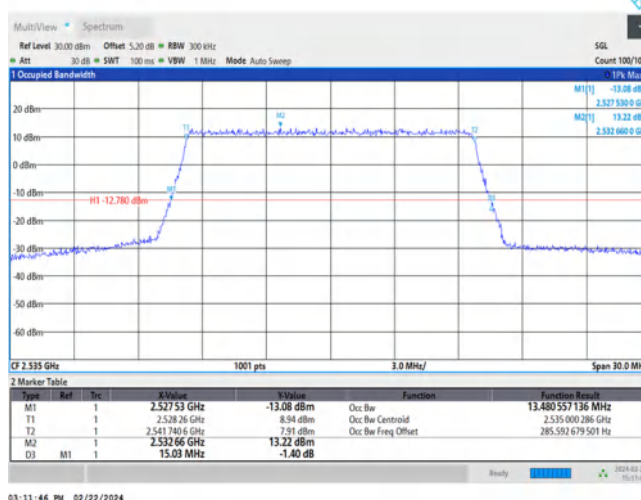
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Band7-15MHz-64QAM-21100-75RB#0



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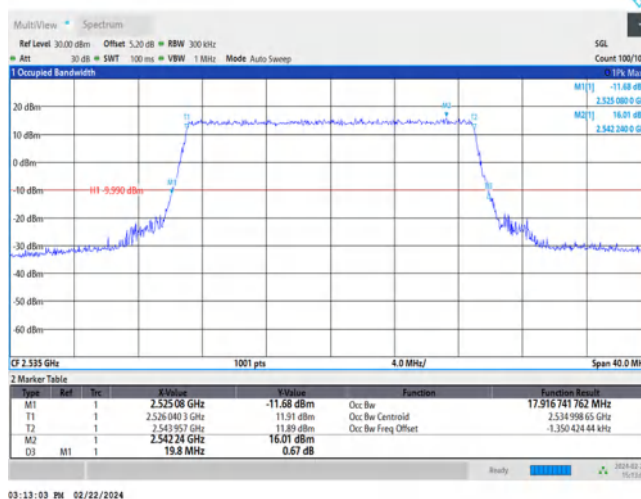
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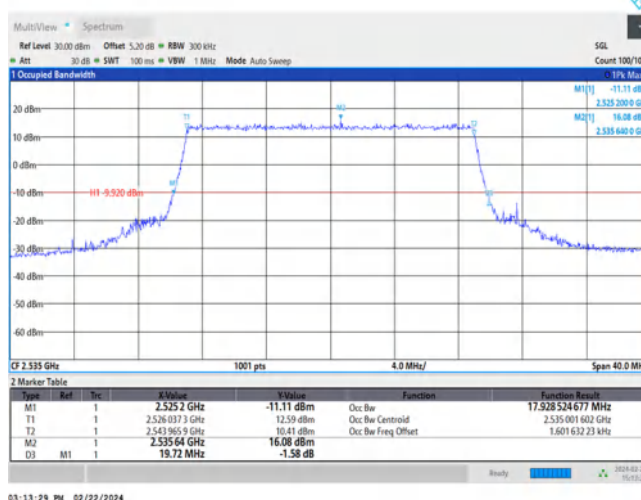
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Band7-20MHz-QPSK-21100-100RB#0



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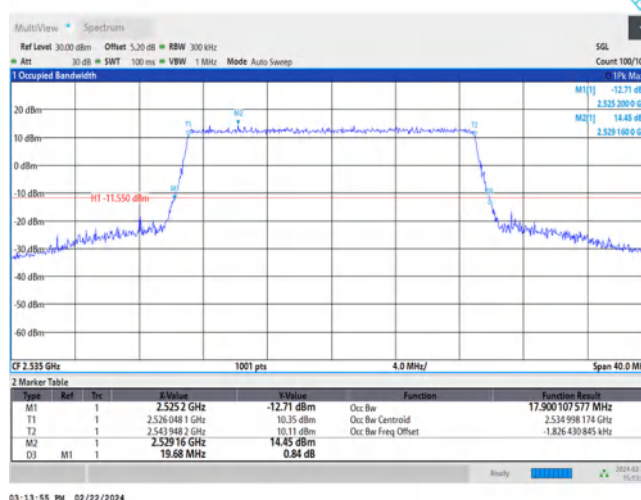
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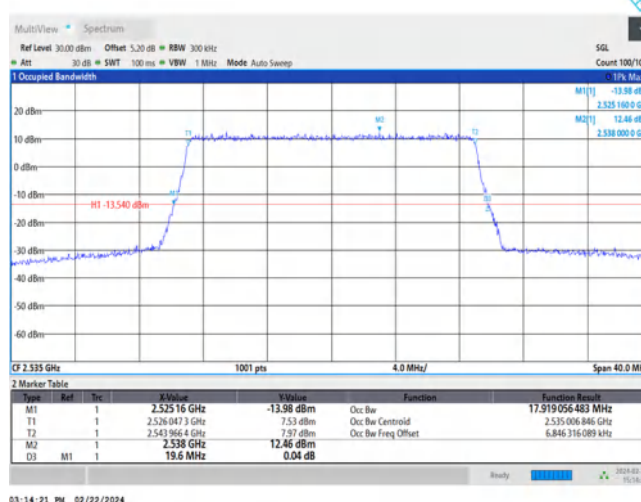
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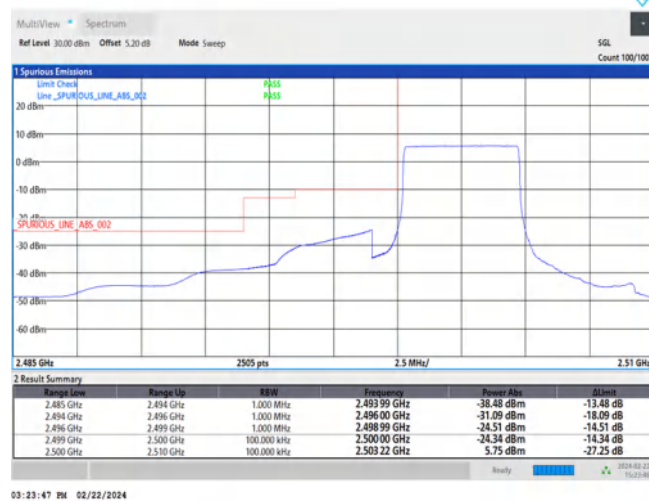
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Test Graphs

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



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



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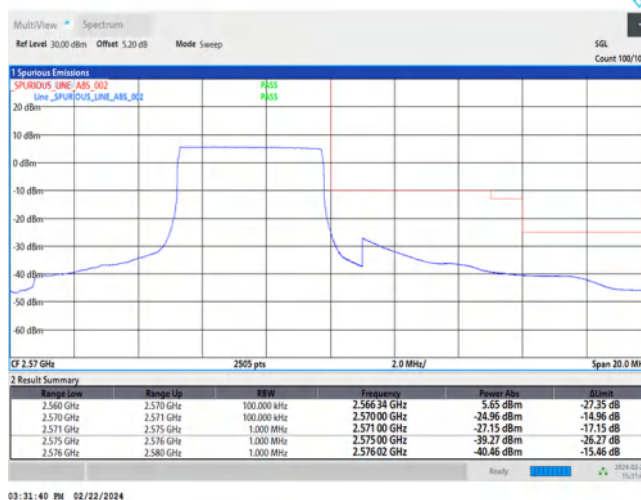
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Band7-5MHz-QPSK-21425-1RB#24



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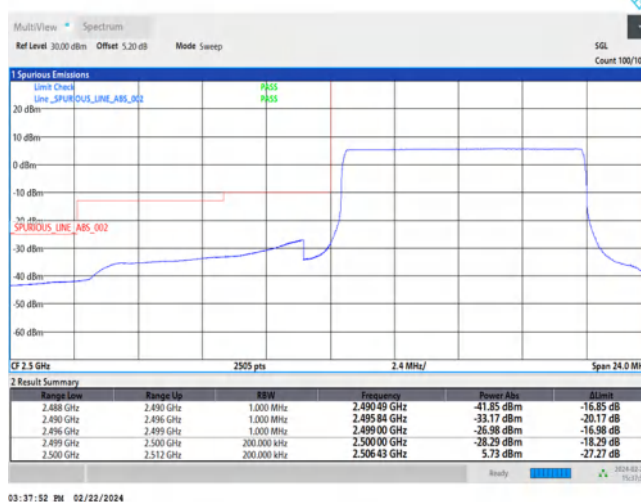
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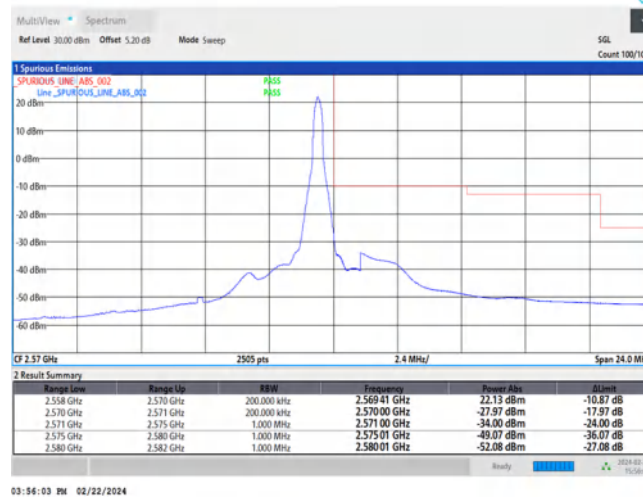
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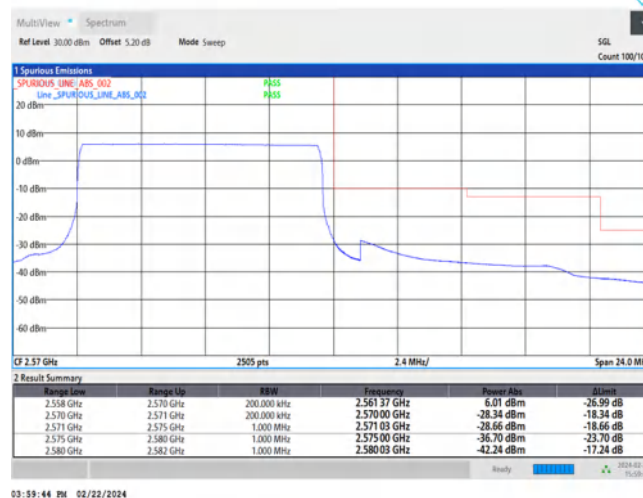
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Band7-10MHz-QPSK-21400-1RB#49



Band7-10MHz-QPSK-21400-50RB#0



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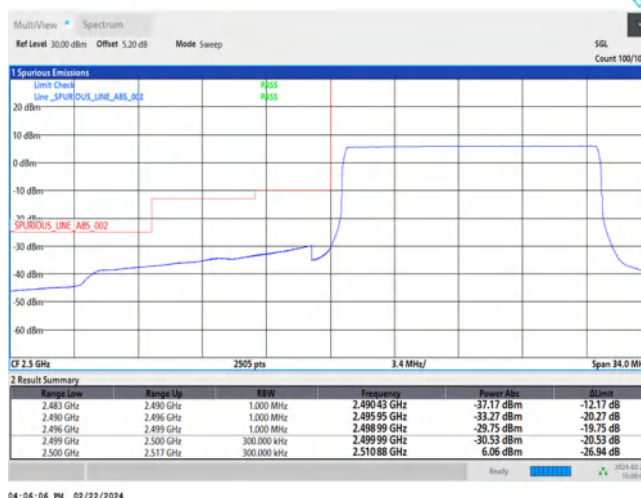
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Band7-15MHz-QPSK-20825-1RB#0



Band7-15MHz-QPSK-20825-75RB#0



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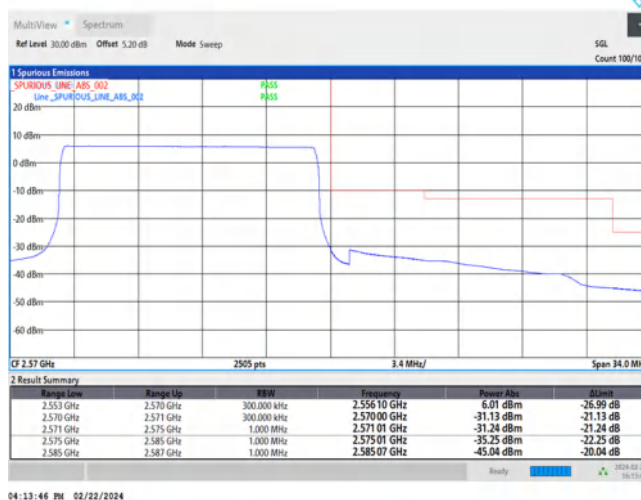
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Band7-15MHz-QPSK-21375-1RB#74



Band7-15MHz-QPSK-21375-75RB#0



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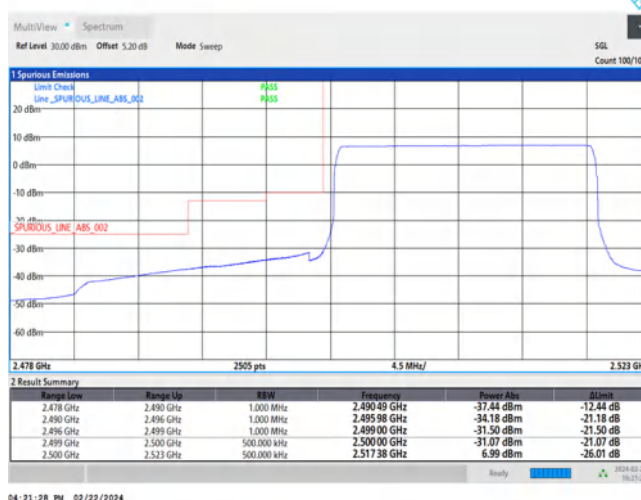
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Band7-20MHz-QPSK-20850-1RB#0



Band7-20MHz-QPSK-20850-100RB#0



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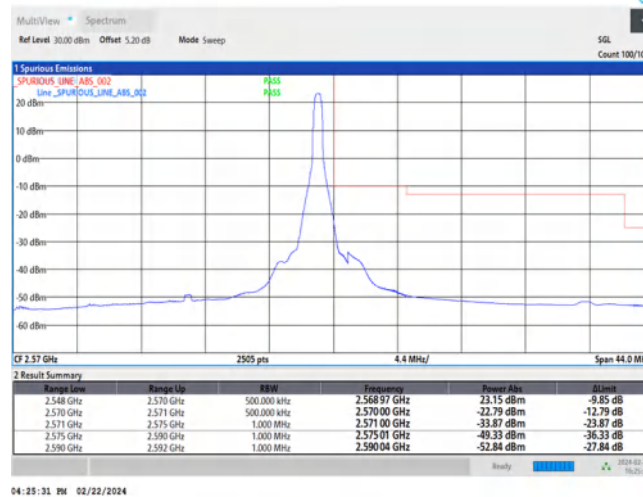
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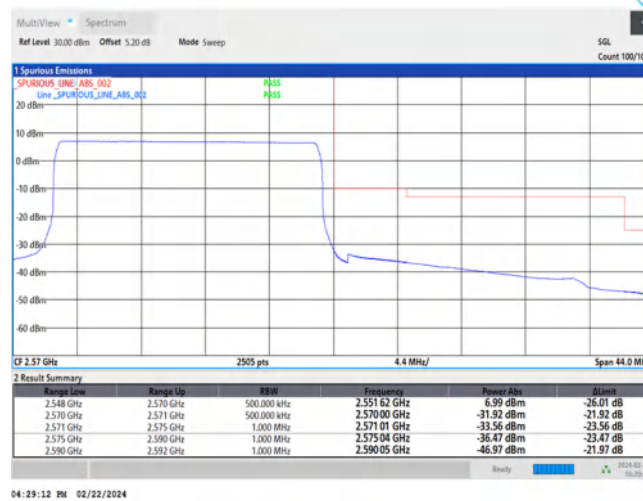
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Band7-20MHz-QPSK-21350-1RB#99



Band7-20MHz-QPSK-21350-100RB#0



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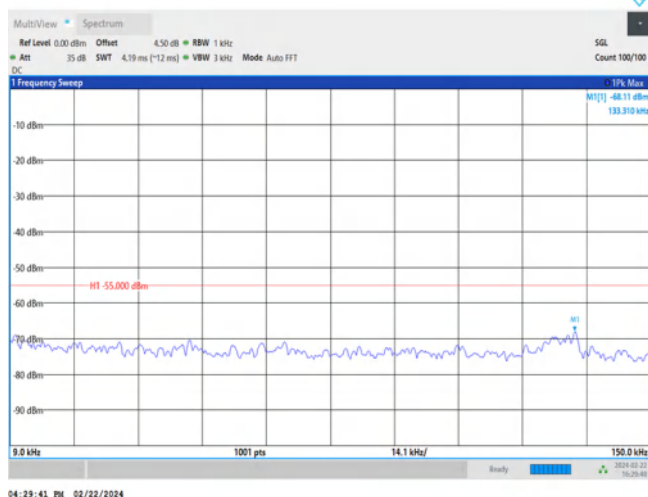
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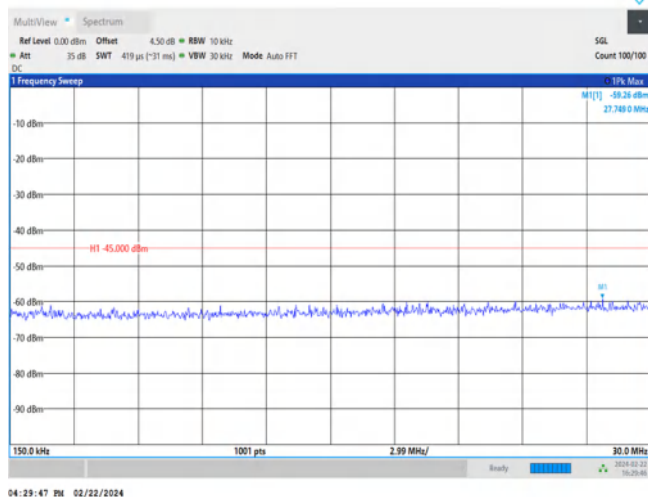
Conducted Spurious Emission

Test Graphs

Band7-20MHz-QPSK-20850-1RB#0-Range1:0.009~0.15MHz



Band7-20MHz-QPSK-20850-1RB#0-Range2:0.15~30MHz



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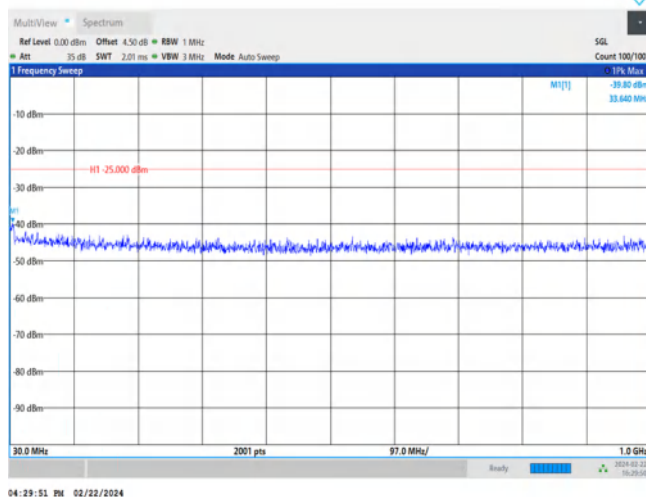
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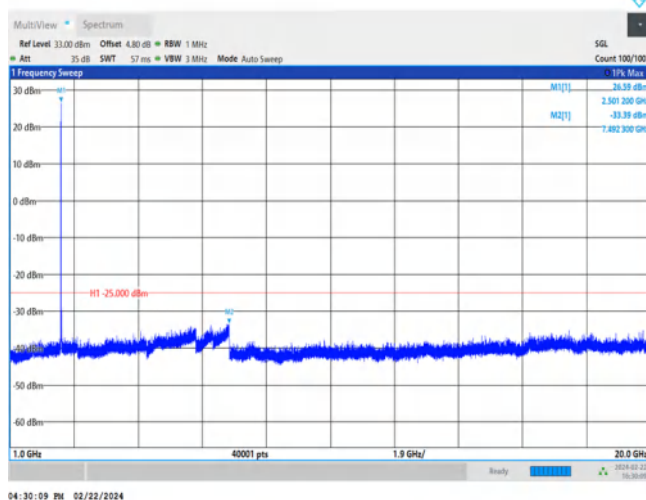
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Band7-20MHz-QPSK-20850-1RB#0-Range3:30~1000MHz



Band7-20MHz-QPSK-20850-1RB#0-Range4:1000~20000MHz



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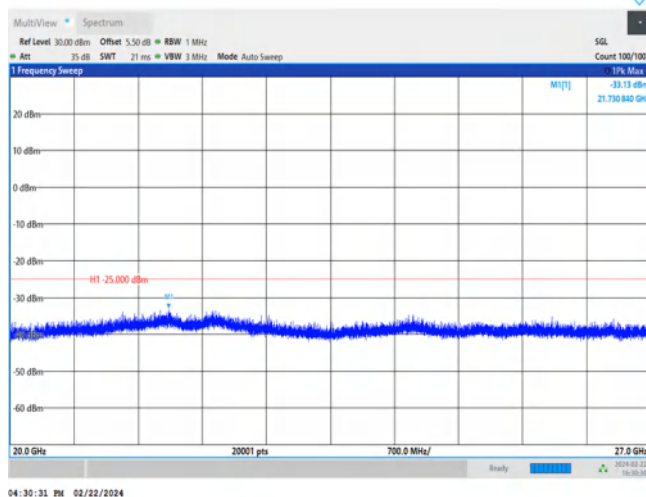
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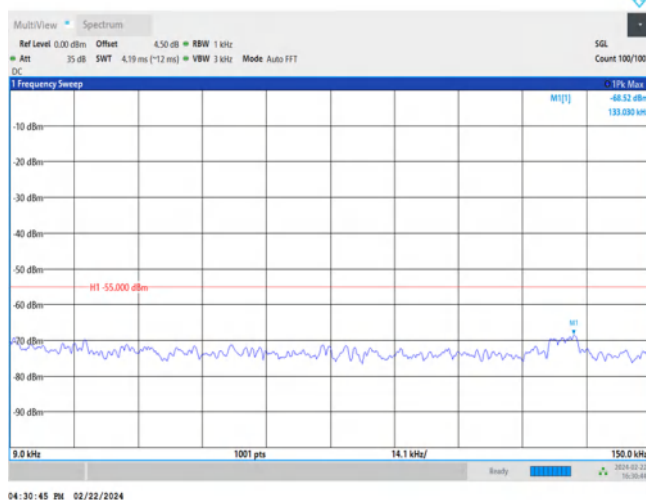
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Band7-20MHz-QPSK-20850-1RB#0-Range5:20000~27000MHz



Band7-20MHz-QPSK-21100-1RB#0-Range1:0.009~0.15MHz



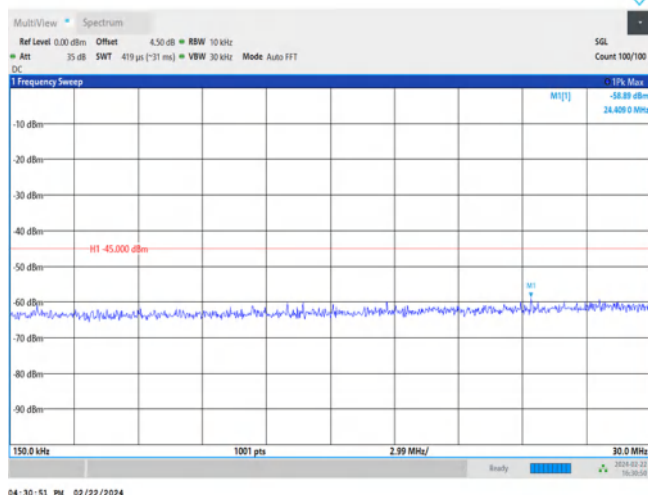
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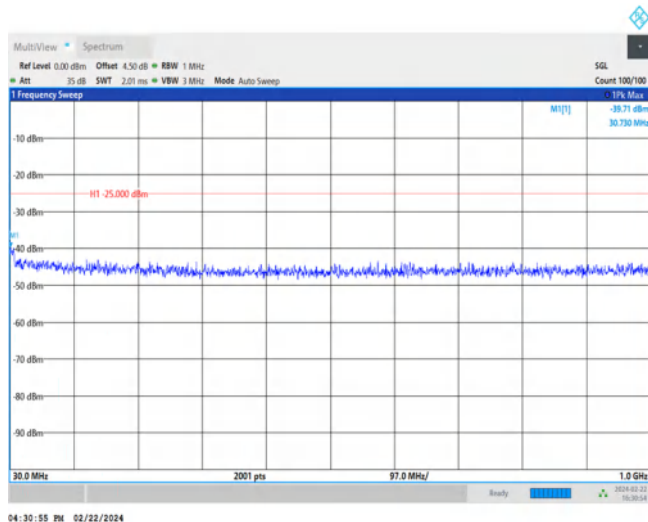
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Band7-20MHz-QPSK-21100-1RB#0-Range2:0.15~30MHz



Band7-20MHz-QPSK-21100-1RB#0-Range3:30~1000MHz



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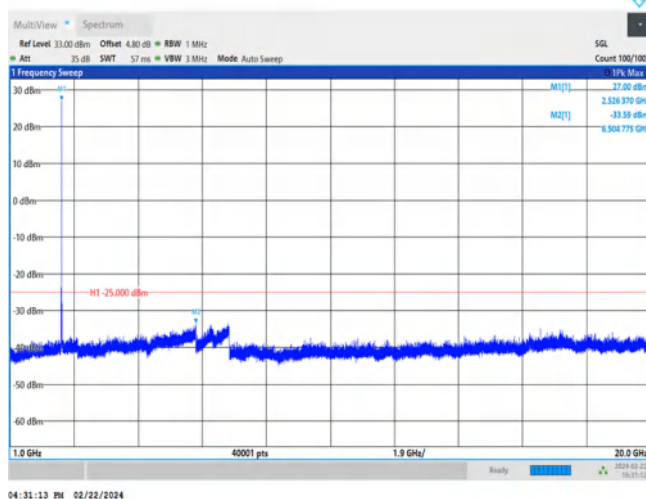
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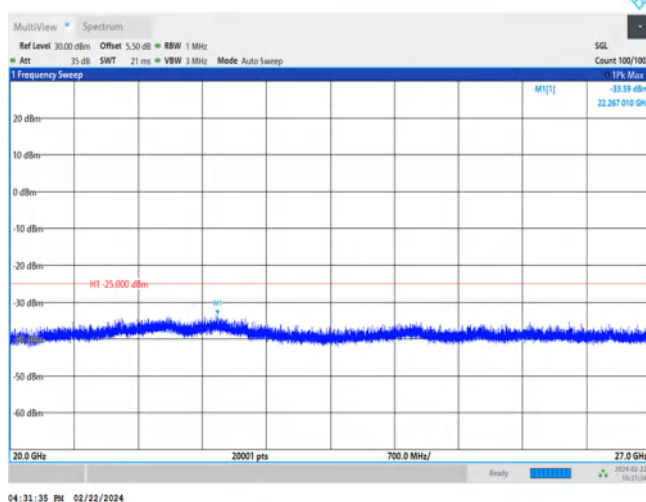
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Band7-20MHz-QPSK-21100-1RB#0-Range4:1000~20000MHz



Band7-20MHz-QPSK-21100-1RB#0-Range5:20000~27000MHz



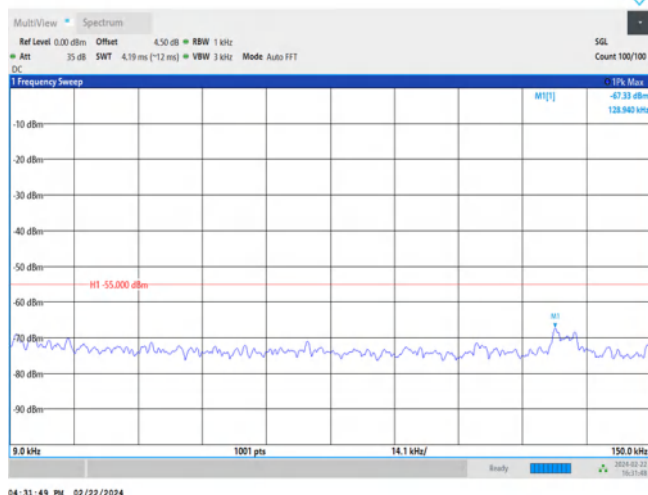
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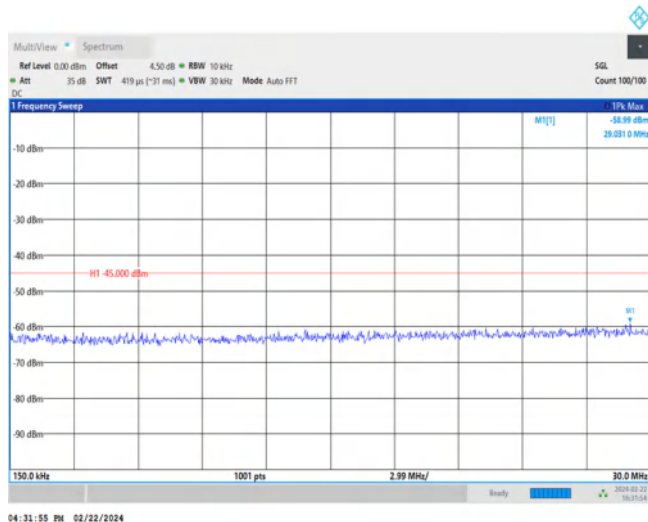
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Band7-20MHz-QPSK-21350-1RB#0-Range1:0.009~0.15MHz



Band7-20MHz-QPSK-21350-1RB#0-Range2:0.15~30MHz



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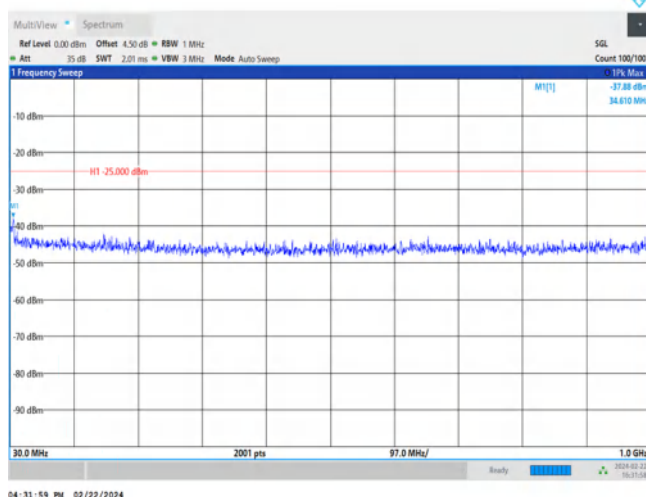
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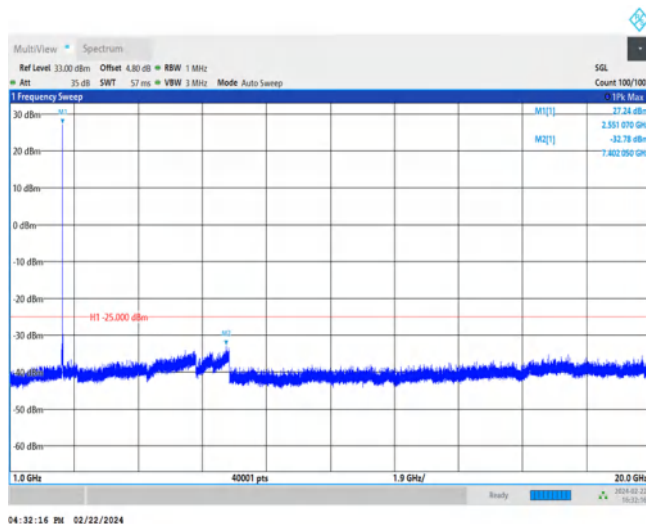
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Band7-20MHz-QPSK-21350-1RB#0-Range3:30~1000MHz



Band7-20MHz-QPSK-21350-1RB#0-Range4:1000~20000MHz



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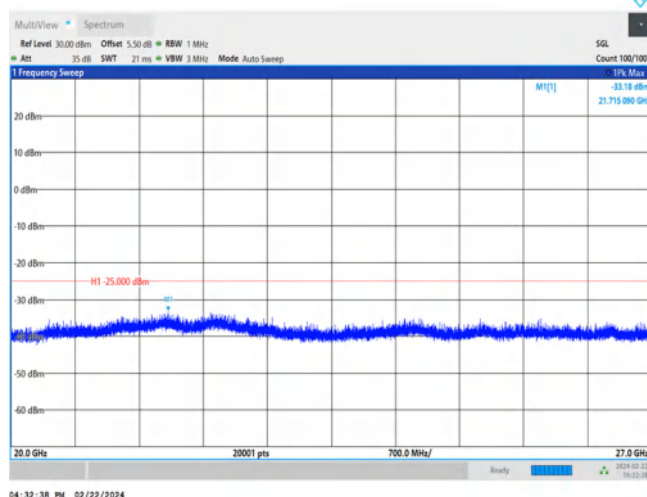
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Band7-20MHz-QPSK-21350-1RB#0-Range5:20000~27000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band7

Test Channel = Low

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1452.5	35.12	-19.65	25.28	-54.51	-25.00	29.51	Horizontal
2	5002	51.56	-42.72	31.22	-55.20	-25.00	30.20	Horizontal
3	7408	44.79	-38.28	36.72	-52.03	-25.00	27.03	Horizontal
4	9904.5	42.78	-35.08	38.60	-48.96	-25.00	23.96	Horizontal
5	13570.5	43.38	-37.88	40.04	-49.72	-25.00	24.72	Horizontal
6	17999.5	41.25	-43.04	48.19	-48.86	-25.00	23.86	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1643.5	35.27	-19.06	25.45	-53.60	-25.00	28.60	Vertical
2	5002	58.94	-42.72	31.22	-47.82	-25.00	22.82	Vertical
3	7503.5	50.65	-38.31	36.87	-46.05	-25.00	21.05	Vertical
4	11018.5	43.05	-37.09	40.12	-49.18	-25.00	24.18	Vertical
5	13628	43.34	-37.89	40.13	-49.68	-25.00	24.68	Vertical
6	17990	41.60	-43.12	48.02	-48.76	-25.00	23.76	Vertical



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Test Band = LTE Band7
Test Channel = Mid

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1449.5	35.06	-19.64	25.30	-54.54	-25.00	29.54	Horizontal
2	5052	51.61	-42.62	31.60	-54.67	-25.00	29.67	Horizontal
3	7506	44.27	-38.32	36.84	-52.47	-25.00	27.47	Horizontal
4	9869	42.99	-35.20	38.35	-49.12	-25.00	24.12	Horizontal
5	13555.5	43.92	-37.91	40.01	-49.24	-25.00	24.24	Horizontal
6	17995.5	42.01	-43.08	48.12	-48.21	-25.00	23.21	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1595.5	35.36	-19.28	25.02	-54.16	-25.00	29.16	Vertical
2	5052	59.49	-42.62	31.60	-46.79	-25.00	21.79	Vertical
3	7578.5	49.68	-38.70	36.63	-47.65	-25.00	22.65	Vertical
4	9900.5	42.93	-34.97	38.60	-48.70	-25.00	23.70	Vertical
5	13578.5	43.35	-37.87	40.06	-49.72	-25.00	24.72	Vertical
6	18000	41.18	-43.04	48.20	-48.92	-25.00	23.92	Vertical



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Test Band = LTE Band7
Test Channel = High

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1338.5	35.13	-20.19	24.99	-55.33	-25.00	30.33	Horizontal
2	5102	51.51	-42.52	31.51	-54.76	-25.00	29.76	Horizontal
3	6808.5	45.13	-39.48	35.43	-54.18	-25.00	29.18	Horizontal
4	9887	42.72	-35.06	38.50	-49.10	-25.00	24.10	Horizontal
5	13638.5	43.18	-37.91	40.14	-49.85	-25.00	24.85	Horizontal
6	17999.5	41.32	-43.04	48.19	-48.79	-25.00	23.79	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1220.5	35.75	-20.41	24.56	-55.36	-25.00	30.36	Vertical
2	5102	59.04	-42.52	31.51	-47.23	-25.00	22.23	Vertical
3	7653.5	51.19	-38.14	36.61	-45.60	-25.00	20.60	Vertical
4	9905	42.45	-35.09	38.61	-49.29	-25.00	24.29	Vertical
5	13581	43.32	-37.87	40.06	-49.75	-25.00	24.75	Vertical
6	16396.5	41.96	-34.84	38.79	-49.35	-25.00	24.35	Vertical



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Test Band = LTE 7A_12A
Test Channel = Low
Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3734.5	44.06	-45.64	28.98	-67.87	-25.00	42.87	Horizontal
2	4804	44.37	-45.54	31.09	-65.34	-25.00	40.34	Horizontal
3	5981.5	43.74	-44.86	32.40	-63.98	-25.00	38.98	Horizontal
4	7176	43.47	-43.61	35.49	-59.91	-25.00	34.91	Horizontal
5	8375	41.66	-41.59	36.88	-58.32	-25.00	33.32	Horizontal
6	10670	37.46	-38.06	38.57	-57.29	-25.00	32.29	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3982.5	44.70	-46.08	29.37	-67.27	-25.00	42.27	Vertical
2	4887.5	44.35	-45.53	31.22	-65.22	-25.00	40.22	Vertical
3	6039.5	44.05	-44.68	32.53	-63.36	-25.00	38.36	Vertical
4	7128	42.74	-43.99	35.36	-61.15	-25.00	36.15	Vertical
5	8746.5	42.03	-41.49	36.65	-58.06	-25.00	33.06	Vertical
6	10903.5	36.77	-37.81	38.59	-57.71	-25.00	32.71	Vertical



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Test Band = LTE 7A_12A

Test Channel = Mid

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3852	44.65	-46.11	29.16	-67.55	-25.00	42.55	Horizontal
2	4540	44.40	-45.69	30.66	-65.89	-25.00	40.89	Horizontal
3	5834	43.91	-44.82	32.37	-63.81	-25.00	38.81	Horizontal
4	7207	42.61	-43.44	35.58	-60.51	-25.00	35.51	Horizontal
5	8894.5	41.30	-41.24	36.56	-58.64	-25.00	33.64	Horizontal
6	10120	38.26	-39.20	38.51	-57.68	-25.00	32.68	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4126	43.71	-45.76	29.70	-67.61	-25.00	42.61	Vertical
2	5243.5	43.79	-45.20	31.84	-64.83	-25.00	39.83	Vertical
3	6420	43.15	-44.45	33.83	-62.73	-25.00	37.73	Vertical
4	7690.5	42.30	-43.10	36.67	-59.40	-25.00	34.40	Vertical
5	9821.5	38.64	-39.45	38.14	-57.92	-25.00	32.92	Vertical
6	12114	37.05	-37.36	39.13	-56.44	-25.00	31.44	Vertical



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Test Band = LTE 7A_12A
Test Channel = High
Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4399.5	44.53	-45.82	30.36	-66.19	-25.00	41.19	Horizontal
2	6160	44.07	-44.64	32.94	-62.88	-25.00	37.88	Horizontal
3	7948.5	42.30	-42.59	37.03	-58.52	-25.00	33.52	Horizontal
4	9216	39.35	-40.25	36.93	-59.22	-25.00	34.22	Horizontal
5	11252.5	36.65	-37.41	38.73	-57.29	-25.00	32.29	Horizontal
6	13716.5	35.58	-36.20	40.40	-55.48	-25.00	30.48	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3582	44.91	-46.15	28.73	-67.77	-25.00	42.77	Vertical
2	4722	44.15	-45.59	30.96	-65.74	-25.00	40.74	Vertical
3	6186	43.73	-44.72	33.03	-63.21	-25.00	38.21	Vertical
4	7557	42.01	-43.02	36.48	-59.79	-25.00	34.79	Vertical
5	9824.5	38.89	-39.44	38.15	-57.66	-25.00	32.66	Vertical
6	11958.5	36.50	-37.41	39.08	-57.09	-25.00	32.09	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

2) All antennas of RSE are tested, and only the worst data is presented.



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	0.00	0.000000	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-2.20	-0.000868	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	0.80	0.000316	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-1.20	-0.000473	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-0.10	-0.000039	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-1.80	-0.000710	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-0.20	-0.000079	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-0.60	-0.000237	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-0.20	-0.000079	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-1.40	-0.000552	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-1.30	-0.000513	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-1.90	-0.000750	PASS

---End of Attachment---



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