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Appendix B.14

LTE Band 41



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t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

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Effective (Isotropic) Radiated Power Output Data

Test Result ANT1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	26.24	28.94	33	PASS
Band41	5MHz	QPSK	39675	1RB#12	26.37	29.07	33	PASS
Band41	5MHz	QPSK	39675	1RB#24	26.26	28.96	33	PASS
Band41	5MHz	QPSK	39675	25RB#0	25.35	28.05	33	PASS
Band41	5MHz	QPSK	40620	1RB#0	26.32	29.02	33	PASS
Band41	5MHz	QPSK	40620	1RB#12	26.34	29.04	33	PASS
Band41	5MHz	QPSK	40620	1RB#24	26.32	29.02	33	PASS
Band41	5MHz	QPSK	40620	25RB#0	25.34	28.04	33	PASS
Band41	5MHz	QPSK	41565	1RB#0	26.52	29.22	33	PASS
Band41	5MHz	QPSK	41565	1RB#12	26.32	29.02	33	PASS
Band41	5MHz	QPSK	41565	1RB#24	26.12	28.82	33	PASS
Band41	5MHz	QPSK	41565	25RB#0	25.27	27.97	33	PASS
Band41	5MHz	16QAM	39675	1RB#0	25.32	28.02	33	PASS
Band41	5MHz	16QAM	39675	1RB#12	25.43	28.13	33	PASS
Band41	5MHz	16QAM	39675	1RB#24	25.38	28.08	33	PASS
Band41	5MHz	16QAM	39675	25RB#0	24.40	27.1	33	PASS
Band41	5MHz	16QAM	40620	1RB#0	25.71	28.41	33	PASS
Band41	5MHz	16QAM	40620	1RB#12	25.49	28.19	33	PASS
Band41	5MHz	16QAM	40620	1RB#24	25.41	28.11	33	PASS
Band41	5MHz	16QAM	40620	25RB#0	24.40	27.1	33	PASS
Band41	5MHz	16QAM	41565	1RB#0	25.42	28.12	33	PASS
Band41	5MHz	16QAM	41565	1RB#12	25.45	28.15	33	PASS
Band41	5MHz	16QAM	41565	1RB#24	25.25	27.95	33	PASS
Band41	5MHz	16QAM	41565	25RB#0	24.30	27	33	PASS
Band41	5MHz	64QAM	39675	1RB#0	24.61	27.31	33	PASS
Band41	5MHz	64QAM	39675	1RB#12	24.68	27.38	33	PASS
Band41	5MHz	64QAM	39675	1RB#24	24.64	27.34	33	PASS



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t (86-512) 62992980 sgs.china@sgs.com

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Band41	5MHz	64QAM	39675	25RB#0	23.39	26.09	33	PASS
Band41	5MHz	64QAM	40620	1RB#0	24.70	27.4	33	PASS
Band41	5MHz	64QAM	40620	1RB#12	24.80	27.5	33	PASS
Band41	5MHz	64QAM	40620	1RB#24	24.67	27.37	33	PASS
Band41	5MHz	64QAM	40620	25RB#0	23.42	26.12	33	PASS
Band41	5MHz	64QAM	41565	1RB#0	24.64	27.34	33	PASS
Band41	5MHz	64QAM	41565	1RB#12	24.67	27.37	33	PASS
Band41	5MHz	64QAM	41565	1RB#24	24.44	27.14	33	PASS
Band41	5MHz	64QAM	41565	25RB#0	23.33	26.03	33	PASS
Band41	5MHz	256QAM	39675	1RB#0	21.37	24.07	33	PASS
Band41	5MHz	256QAM	39675	1RB#12	21.52	24.22	33	PASS
Band41	5MHz	256QAM	39675	1RB#24	21.35	24.05	33	PASS
Band41	5MHz	256QAM	39675	25RB#0	21.41	24.11	33	PASS
Band41	5MHz	256QAM	40620	1RB#0	21.44	24.14	33	PASS
Band41	5MHz	256QAM	40620	1RB#12	21.46	24.16	33	PASS
Band41	5MHz	256QAM	40620	1RB#24	21.44	24.14	33	PASS
Band41	5MHz	256QAM	40620	25RB#0	21.43	24.13	33	PASS
Band41	5MHz	256QAM	41565	1RB#0	21.38	24.08	33	PASS
Band41	5MHz	256QAM	41565	1RB#12	21.37	24.07	33	PASS
Band41	5MHz	256QAM	41565	1RB#24	21.35	24.05	33	PASS
Band41	5MHz	256QAM	41565	25RB#0	21.30	24	33	PASS
Band41	10MHz	QPSK	39700	1RB#0	26.31	29.01	33	PASS
Band41	10MHz	QPSK	39700	1RB#24	26.31	29.01	33	PASS
Band41	10MHz	QPSK	39700	1RB#49	26.29	28.99	33	PASS
Band41	10MHz	QPSK	39700	50RB#0	25.42	28.12	33	PASS
Band41	10MHz	QPSK	40620	1RB#0	26.42	29.12	33	PASS
Band41	10MHz	QPSK	40620	1RB#24	26.35	29.05	33	PASS
Band41	10MHz	QPSK	40620	1RB#49	26.42	29.12	33	PASS
Band41	10MHz	QPSK	40620	50RB#0	26.35	29.05	33	PASS
Band41	10MHz	QPSK	41540	1RB#0	26.32	29.02	33	PASS
Band41	10MHz	QPSK	41540	1RB#24	26.18	28.88	33	PASS
Band41	10MHz	QPSK	41540	1RB#49	26.13	28.83	33	PASS



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t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

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Band41	10MHz	QPSK	41540	50RB#0	25.29	27.99	33	PASS
Band41	10MHz	16QAM	39700	1RB#0	25.52	28.22	33	PASS
Band41	10MHz	16QAM	39700	1RB#24	25.52	28.22	33	PASS
Band41	10MHz	16QAM	39700	1RB#49	25.41	28.11	33	PASS
Band41	10MHz	16QAM	39700	50RB#0	26.21	28.91	33	PASS
Band41	10MHz	16QAM	40620	1RB#0	26.35	29.05	33	PASS
Band41	10MHz	16QAM	40620	1RB#24	26.45	29.15	33	PASS
Band41	10MHz	16QAM	40620	1RB#49	26.38	29.08	33	PASS
Band41	10MHz	16QAM	40620	50RB#0	26.42	29.12	33	PASS
Band41	10MHz	16QAM	41540	1RB#0	25.33	28.03	33	PASS
Band41	10MHz	16QAM	41540	1RB#24	25.44	28.14	33	PASS
Band41	10MHz	16QAM	41540	1RB#49	25.29	27.99	33	PASS
Band41	10MHz	16QAM	41540	50RB#0	24.28	26.98	33	PASS
Band41	10MHz	64QAM	39700	1RB#0	24.64	27.34	33	PASS
Band41	10MHz	64QAM	39700	1RB#24	24.77	27.47	33	PASS
Band41	10MHz	64QAM	39700	1RB#49	24.64	27.34	33	PASS
Band41	10MHz	64QAM	39700	50RB#0	23.45	26.15	33	PASS
Band41	10MHz	64QAM	40620	1RB#0	26.39	29.09	33	PASS
Band41	10MHz	64QAM	40620	1RB#24	26.52	29.22	33	PASS
Band41	10MHz	64QAM	40620	1RB#49	26.45	29.15	33	PASS
Band41	10MHz	64QAM	40620	50RB#0	26.35	29.05	33	PASS
Band41	10MHz	64QAM	41540	1RB#0	24.68	27.38	33	PASS
Band41	10MHz	64QAM	41540	1RB#24	24.60	27.3	33	PASS
Band41	10MHz	64QAM	41540	1RB#49	24.53	27.23	33	PASS
Band41	10MHz	64QAM	41540	50RB#0	23.33	26.03	33	PASS
Band41	10MHz	256QAM	39700	1RB#0	21.54	24.24	33	PASS
Band41	10MHz	256QAM	39700	1RB#24	21.59	24.29	33	PASS
Band41	10MHz	256QAM	39700	1RB#49	21.58	24.28	33	PASS
Band41	10MHz	256QAM	39700	50RB#0	21.47	24.17	33	PASS
Band41	10MHz	256QAM	40620	1RB#0	26.45	29.15	33	PASS
Band41	10MHz	256QAM	40620	1RB#24	26.38	29.08	33	PASS
Band41	10MHz	256QAM	40620	1RB#49	26.02	28.72	33	PASS



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Band41	10MHz	256QAM	40620	50RB#0	26.13	28.83	33	PASS
Band41	10MHz	256QAM	41540	1RB#0	21.43	24.13	33	PASS
Band41	10MHz	256QAM	41540	1RB#24	21.46	24.16	33	PASS
Band41	10MHz	256QAM	41540	1RB#49	21.34	24.04	33	PASS
Band41	10MHz	256QAM	41540	50RB#0	21.30	24	33	PASS
Band41	15MHz	QPSK	39725	1RB#0	26.22	28.92	33	PASS
Band41	15MHz	QPSK	39725	1RB#38	26.27	28.97	33	PASS
Band41	15MHz	QPSK	39725	1RB#74	26.28	28.98	33	PASS
Band41	15MHz	QPSK	39725	75RB#0	25.39	28.09	33	PASS
Band41	15MHz	QPSK	40620	1RB#0	26.23	28.93	33	PASS
Band41	15MHz	QPSK	40620	1RB#38	26.29	28.99	33	PASS
Band41	15MHz	QPSK	40620	1RB#74	26.25	28.95	33	PASS
Band41	15MHz	QPSK	40620	75RB#0	25.34	28.04	33	PASS
Band41	15MHz	QPSK	41515	1RB#0	26.45	29.15	33	PASS
Band41	15MHz	QPSK	41515	1RB#38	26.26	28.96	33	PASS
Band41	15MHz	QPSK	41515	1RB#74	26.15	28.85	33	PASS
Band41	15MHz	QPSK	41515	75RB#0	25.20	27.9	33	PASS
Band41	15MHz	16QAM	39725	1RB#0	25.38	28.08	33	PASS
Band41	15MHz	16QAM	39725	1RB#38	25.46	28.16	33	PASS
Band41	15MHz	16QAM	39725	1RB#74	25.43	28.13	33	PASS
Band41	15MHz	16QAM	39725	75RB#0	24.40	27.1	33	PASS
Band41	15MHz	16QAM	40620	1RB#0	25.63	28.33	33	PASS
Band41	15MHz	16QAM	40620	1RB#38	25.40	28.1	33	PASS
Band41	15MHz	16QAM	40620	1RB#74	25.33	28.03	33	PASS
Band41	15MHz	16QAM	40620	75RB#0	24.39	27.09	33	PASS
Band41	15MHz	16QAM	41515	1RB#0	25.39	28.09	33	PASS
Band41	15MHz	16QAM	41515	1RB#38	25.30	28	33	PASS
Band41	15MHz	16QAM	41515	1RB#74	25.35	28.05	33	PASS
Band41	15MHz	16QAM	41515	75RB#0	24.21	26.91	33	PASS
Band41	15MHz	64QAM	39725	1RB#0	24.67	27.37	33	PASS
Band41	15MHz	64QAM	39725	1RB#38	24.86	27.56	33	PASS
Band41	15MHz	64QAM	39725	1RB#74	24.68	27.38	33	PASS



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Band41	15MHz	64QAM	40620	1RB#0	24.60	27.3	33	PASS
Band41	15MHz	64QAM	40620	1RB#38	24.77	27.47	33	PASS
Band41	15MHz	64QAM	40620	1RB#74	24.60	27.3	33	PASS
Band41	15MHz	64QAM	40620	75RB#0	23.40	26.1	33	PASS
Band41	15MHz	64QAM	41515	1RB#0	24.48	27.18	33	PASS
Band41	15MHz	64QAM	41515	1RB#38	24.62	27.32	33	PASS
Band41	15MHz	64QAM	41515	1RB#74	24.45	27.15	33	PASS
Band41	15MHz	64QAM	41515	75RB#0	23.24	25.94	33	PASS
Band41	15MHz	256QAM	39725	1RB#0	21.41	24.11	33	PASS
Band41	15MHz	256QAM	39725	1RB#38	21.63	24.33	33	PASS
Band41	15MHz	256QAM	39725	1RB#74	21.61	24.31	33	PASS
Band41	15MHz	256QAM	39725	75RB#0	21.47	24.17	33	PASS
Band41	15MHz	256QAM	40620	1RB#0	21.54	24.24	33	PASS
Band41	15MHz	256QAM	40620	1RB#38	21.39	24.09	33	PASS
Band41	15MHz	256QAM	40620	1RB#74	21.62	24.32	33	PASS
Band41	15MHz	256QAM	40620	75RB#0	21.42	24.12	33	PASS
Band41	15MHz	256QAM	41515	1RB#0	21.40	24.1	33	PASS
Band41	15MHz	256QAM	41515	1RB#38	21.45	24.15	33	PASS
Band41	15MHz	256QAM	41515	1RB#74	21.34	24.04	33	PASS
Band41	15MHz	256QAM	41515	75RB#0	21.23	23.93	33	PASS
Band41	20MHz	QPSK	39750	1RB#0	26.32	29.02	33	PASS
Band41	20MHz	QPSK	39750	1RB#49	26.32	29.02	33	PASS
Band41	20MHz	QPSK	39750	1RB#99	26.26	28.96	33	PASS
Band41	20MHz	QPSK	39750	100RB#0	25.35	28.05	33	PASS
Band41	20MHz	QPSK	40620	1RB#0	26.09	28.79	33	PASS
Band41	20MHz	QPSK	40620	1RB#49	26.31	29.01	33	PASS
Band41	20MHz	QPSK	40620	1RB#99	26.18	28.88	33	PASS
Band41	20MHz	QPSK	40620	100RB#0	25.32	28.02	33	PASS
Band41	20MHz	QPSK	41490	1RB#0	26.35	29.05	33	PASS
Band41	20MHz	QPSK	41490	1RB#49	26.37	29.07	33	PASS
Band41	20MHz	QPSK	41490	1RB#99	26.17	28.87	33	PASS



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Band41	20MHz	16QAM	39750	1RB#0	25.37	28.07	33	PASS
Band41	20MHz	16QAM	39750	1RB#49	25.53	28.23	33	PASS
Band41	20MHz	16QAM	39750	1RB#99	25.48	28.18	33	PASS
Band41	20MHz	16QAM	39750	100RB#0	24.38	27.08	33	PASS
Band41	20MHz	16QAM	40620	1RB#0	25.37	28.07	33	PASS
Band41	20MHz	16QAM	40620	1RB#49	25.41	28.11	33	PASS
Band41	20MHz	16QAM	40620	1RB#99	25.28	27.98	33	PASS
Band41	20MHz	16QAM	40620	100RB#0	24.34	27.04	33	PASS
Band41	20MHz	16QAM	41490	1RB#0	25.29	27.99	33	PASS
Band41	20MHz	16QAM	41490	1RB#49	25.37	28.07	33	PASS
Band41	20MHz	16QAM	41490	1RB#99	25.22	27.92	33	PASS
Band41	20MHz	16QAM	41490	100RB#0	24.19	26.89	33	PASS
Band41	20MHz	64QAM	39750	1RB#0	24.59	27.29	33	PASS
Band41	20MHz	64QAM	39750	1RB#49	24.64	27.34	33	PASS
Band41	20MHz	64QAM	39750	1RB#99	24.72	27.42	33	PASS
Band41	20MHz	64QAM	39750	100RB#0	23.40	26.1	33	PASS
Band41	20MHz	64QAM	40620	1RB#0	24.64	27.34	33	PASS
Band41	20MHz	64QAM	40620	1RB#49	24.62	27.32	33	PASS
Band41	20MHz	64QAM	40620	1RB#99	24.51	27.21	33	PASS
Band41	20MHz	64QAM	40620	100RB#0	23.32	26.02	33	PASS
Band41	20MHz	64QAM	41490	1RB#0	24.45	27.15	33	PASS
Band41	20MHz	64QAM	41490	1RB#49	24.61	27.31	33	PASS
Band41	20MHz	64QAM	41490	1RB#99	24.42	27.12	33	PASS
Band41	20MHz	64QAM	41490	100RB#0	23.17	25.87	33	PASS
Band41	20MHz	256QAM	39750	1RB#0	21.44	24.14	33	PASS
Band41	20MHz	256QAM	39750	1RB#49	21.64	24.34	33	PASS
Band41	20MHz	256QAM	39750	1RB#99	21.58	24.28	33	PASS
Band41	20MHz	256QAM	39750	100RB#0	21.44	24.14	33	PASS
Band41	20MHz	256QAM	40620	1RB#0	21.43	24.13	33	PASS
Band41	20MHz	256QAM	40620	1RB#49	21.55	24.25	33	PASS
Band41	20MHz	256QAM	40620	1RB#99	21.42	24.12	33	PASS



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Band41	20MHz	256QAM	40620	100RB#0	21.42	24.12	33	PASS
Band41	20MHz	256QAM	41490	1RB#0	21.23	23.93	33	PASS
Band41	20MHz	256QAM	41490	1RB#49	21.54	24.24	33	PASS
Band41	20MHz	256QAM	41490	1RB#99	21.29	23.99	33	PASS
Band41	20MHz	256QAM	41490	100RB#0	21.23	23.93	33	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	7.96	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	8.40	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	7.88	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	8.18	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	7.82	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	8.56	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	8.26	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	9.46	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	8.74	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	9.18	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	8.70	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	9.52	13	PASS
Band41	5MHz	64QAM	39675	1RB#0	9.32	13	PASS
Band41	5MHz	64QAM	39675	25RB#0	10.30	13	PASS
Band41	5MHz	64QAM	40620	1RB#0	9.44	13	PASS
Band41	5MHz	64QAM	40620	25RB#0	9.88	13	PASS
Band41	5MHz	64QAM	41565	1RB#0	9.72	13	PASS
Band41	5MHz	64QAM	41565	25RB#0	10.12	13	PASS
Band41	5MHz	256QAM	39675	1RB#0	11.02	13	PASS
Band41	5MHz	256QAM	39675	25RB#0	10.44	13	PASS
Band41	5MHz	256QAM	40620	1RB#0	10.46	13	PASS
Band41	5MHz	256QAM	40620	25RB#0	10.42	13	PASS
Band41	5MHz	256QAM	41565	1RB#0	10.84	13	PASS
Band41	5MHz	256QAM	41565	25RB#0	10.36	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	7.82	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.52	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	7.72	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.36	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	8.00	13	PASS



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Band41	10MHz	QPSK	41540	50RB#0	8.44	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	8.56	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.44	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	8.58	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.24	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	8.90	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.54	13	PASS
Band41	10MHz	64QAM	39700	1RB#0	9.76	13	PASS
Band41	10MHz	64QAM	39700	50RB#0	10.12	13	PASS
Band41	10MHz	64QAM	40620	1RB#0	9.46	13	PASS
Band41	10MHz	64QAM	40620	50RB#0	9.90	13	PASS
Band41	10MHz	64QAM	41540	1RB#0	9.58	13	PASS
Band41	10MHz	64QAM	41540	50RB#0	9.94	13	PASS
Band41	10MHz	256QAM	39700	1RB#0	10.66	13	PASS
Band41	10MHz	256QAM	39700	50RB#0	10.64	13	PASS
Band41	10MHz	256QAM	40620	1RB#0	10.50	13	PASS
Band41	10MHz	256QAM	40620	50RB#0	10.44	13	PASS
Band41	10MHz	256QAM	41540	1RB#0	10.46	13	PASS
Band41	10MHz	256QAM	41540	50RB#0	10.62	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	7.76	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	8.72	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	7.64	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	8.50	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	7.78	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	8.64	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	8.58	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	9.72	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	8.26	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	9.26	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	8.60	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	9.44	13	PASS
Band41	15MHz	64QAM	39725	1RB#0	9.48	13	PASS
Band41	15MHz	64QAM	39725	75RB#0	10.18	13	PASS
Band41	15MHz	64QAM	40620	1RB#0	9.38	13	PASS
Band41	15MHz	64QAM	40620	75RB#0	9.84	13	PASS
Band41	15MHz	64QAM	41515	1RB#0	9.76	13	PASS
Band41	15MHz	64QAM	41515	75RB#0	10.08	13	PASS



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Band41	15MHz	256QAM	39725	1RB#0	10.68	13	PASS
Band41	15MHz	256QAM	39725	75RB#0	10.52	13	PASS
Band41	15MHz	256QAM	40620	1RB#0	10.24	13	PASS
Band41	15MHz	256QAM	40620	75RB#0	10.26	13	PASS
Band41	15MHz	256QAM	41515	1RB#0	10.52	13	PASS
Band41	15MHz	256QAM	41515	75RB#0	10.52	13	PASS
Band41	20MHz	QPSK	39750	1RB#0	7.98	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	8.82	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	7.88	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.56	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	8.08	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.70	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	8.86	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.54	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	8.52	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.44	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	8.90	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.68	13	PASS
Band41	20MHz	64QAM	39750	1RB#0	9.66	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	10.30	13	PASS
Band41	20MHz	64QAM	40620	1RB#0	9.64	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	9.98	13	PASS
Band41	20MHz	64QAM	41490	1RB#0	9.86	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	10.22	13	PASS
Band41	20MHz	256QAM	39750	1RB#0	10.52	13	PASS
Band41	20MHz	256QAM	39750	100RB#0	10.58	13	PASS
Band41	20MHz	256QAM	40620	1RB#0	10.64	13	PASS
Band41	20MHz	256QAM	40620	100RB#0	10.20	13	PASS
Band41	20MHz	256QAM	41490	1RB#0	11.02	13	PASS
Band41	20MHz	256QAM	41490	100RB#0	10.42	13	PASS



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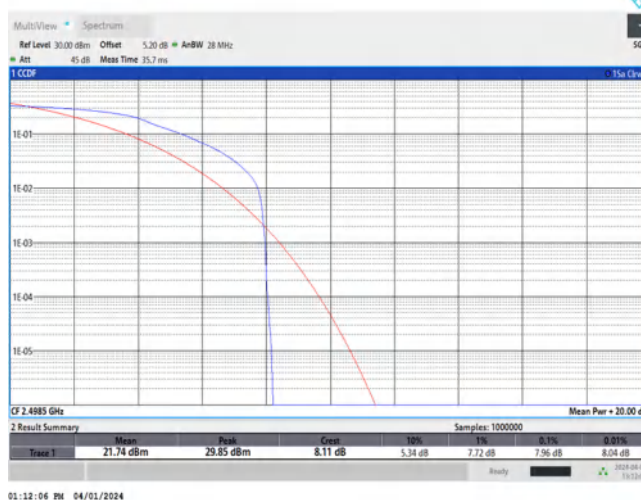
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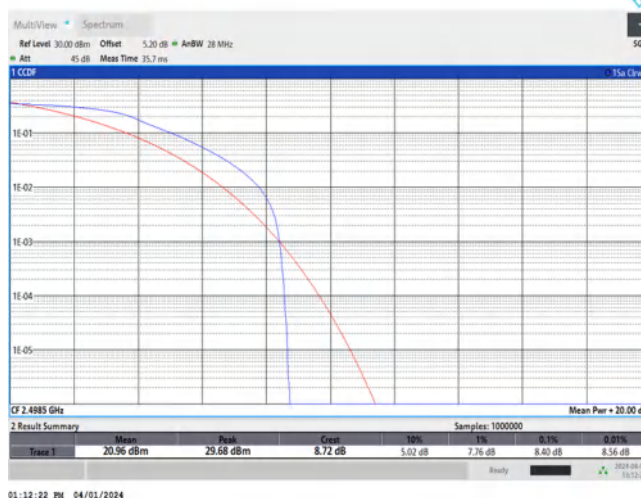
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Test Graphs

Band41-5MHz-QPSK-39675-1RB#0



Band41-5MHz-QPSK-39675-25RB#0



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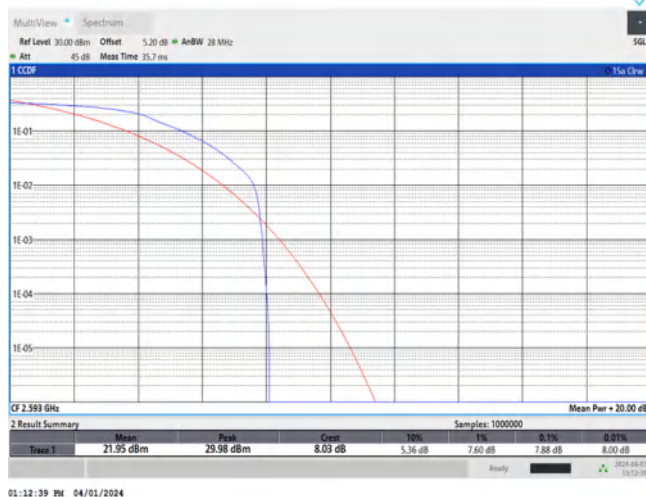
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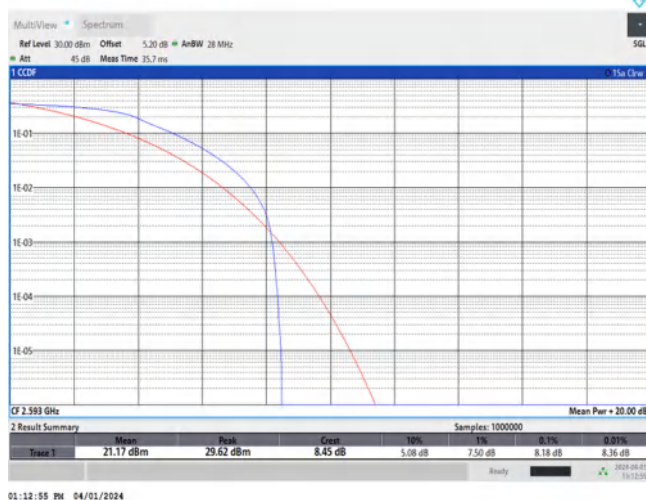
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Band41-5MHz-QPSK-40620-1RB#0



Band41-5MHz-QPSK-40620-25RB#0



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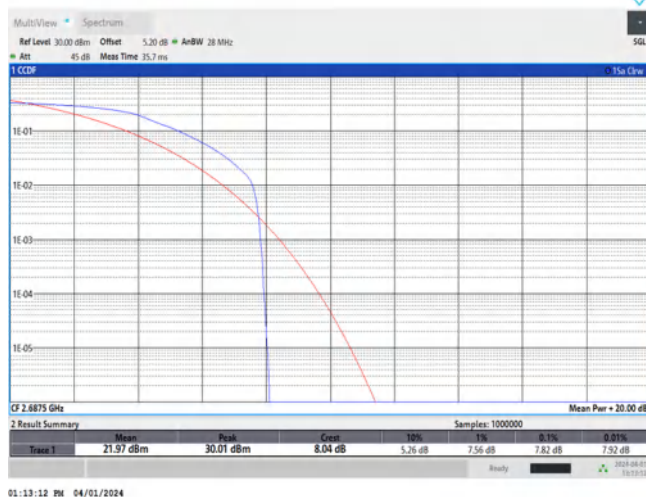
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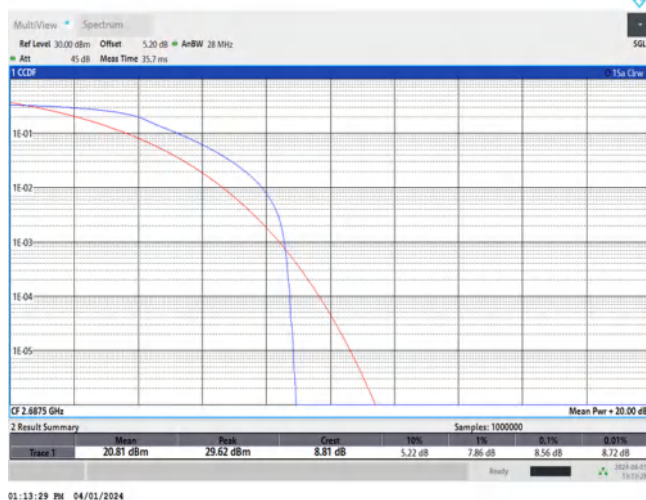
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Band41-5MHz-QPSK-41565-1RB#0



Band41-5MHz-QPSK-41565-25RB#0



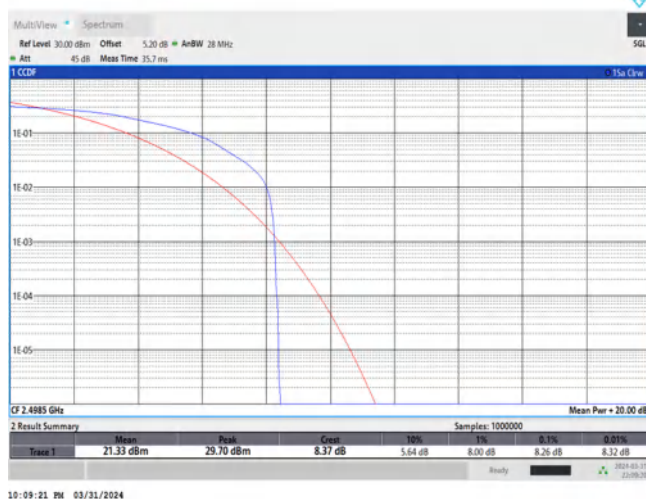
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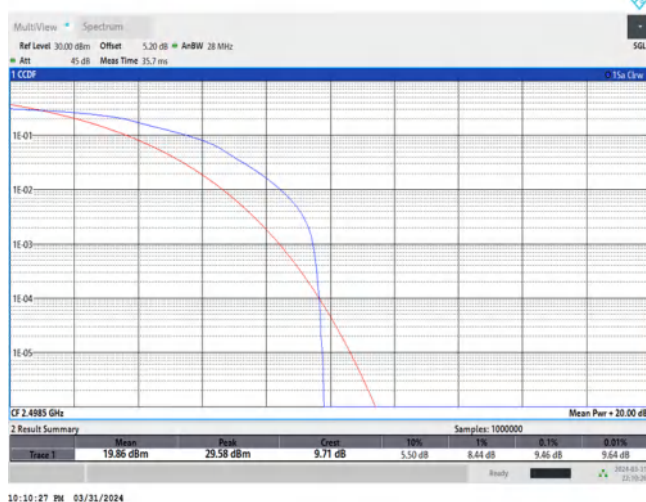
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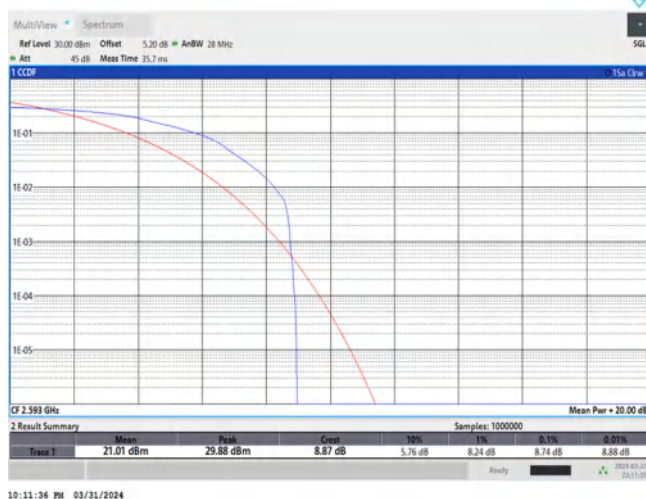
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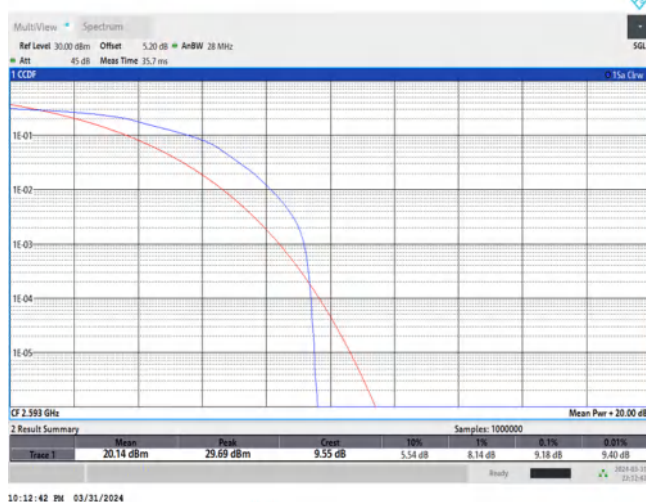
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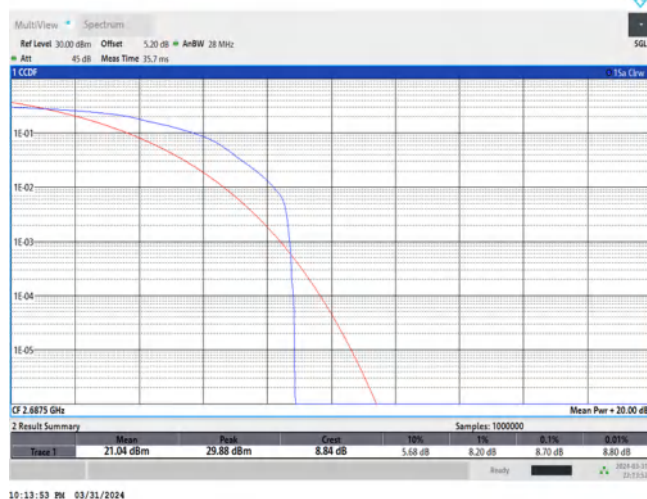
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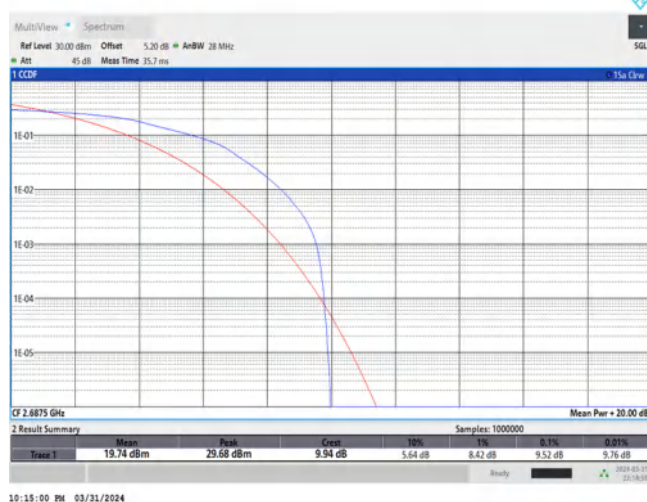
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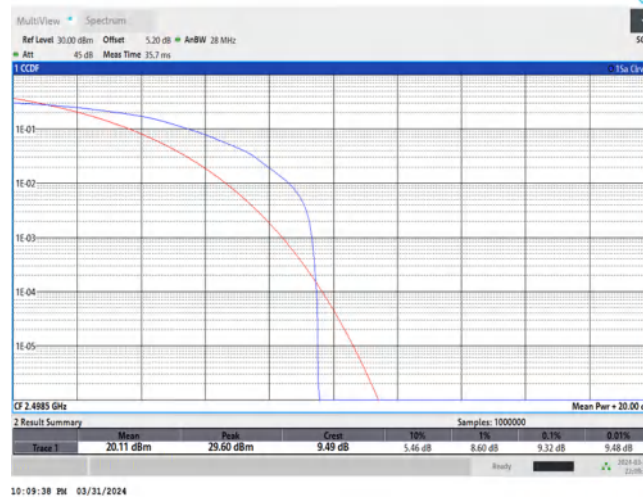
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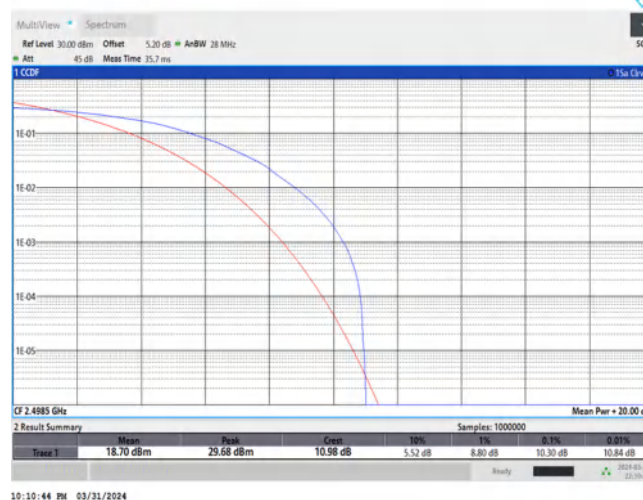
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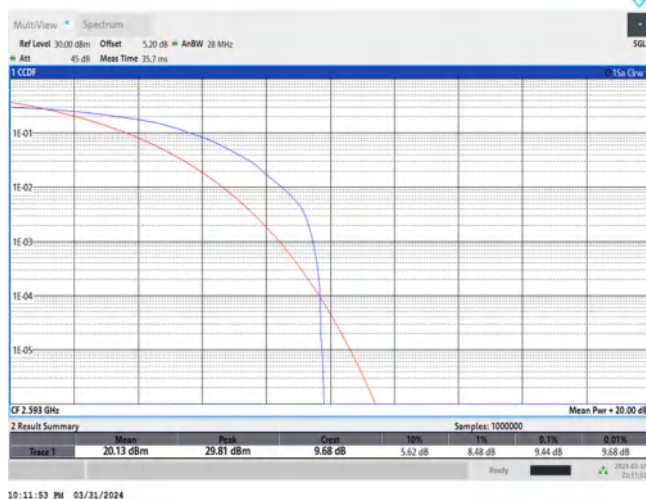
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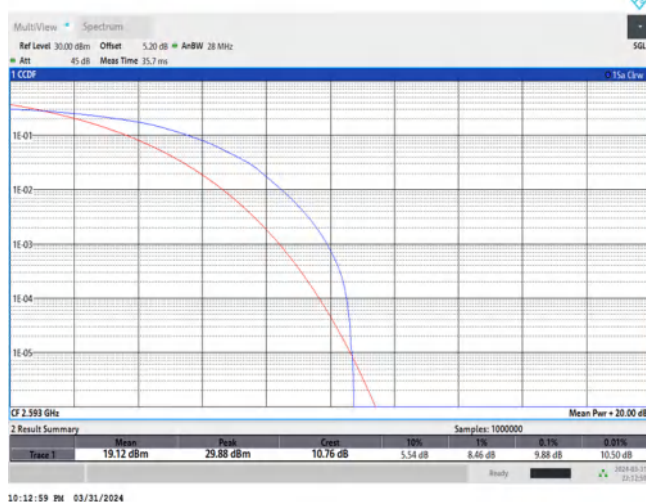
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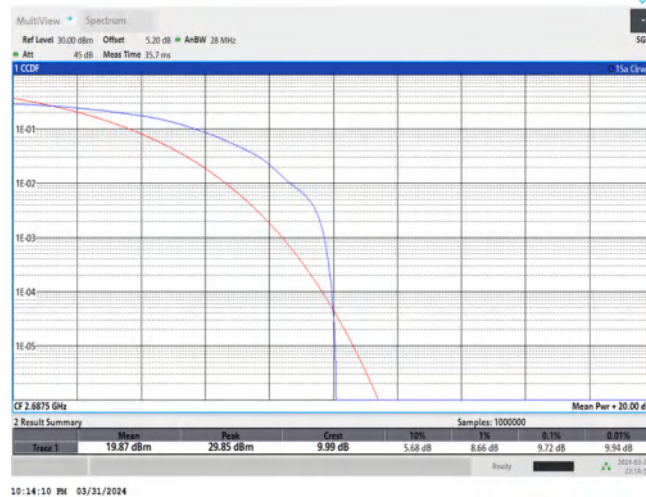
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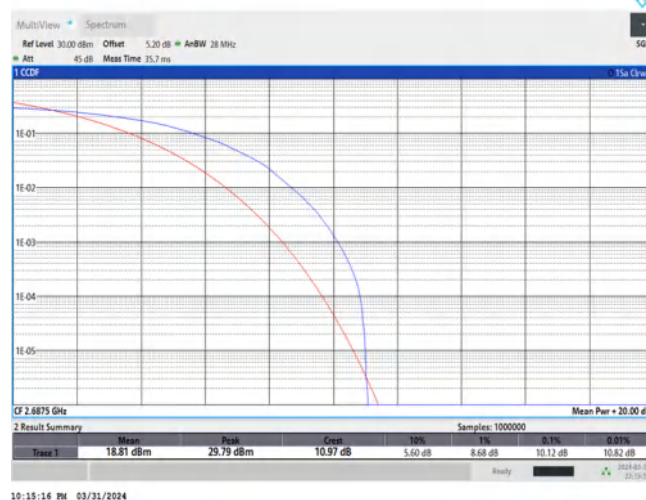
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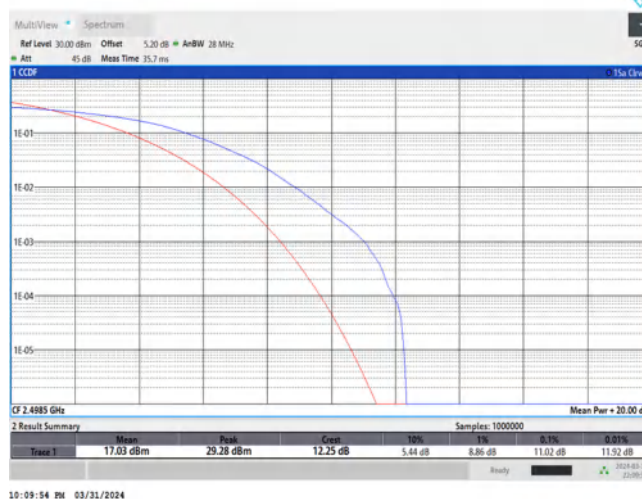
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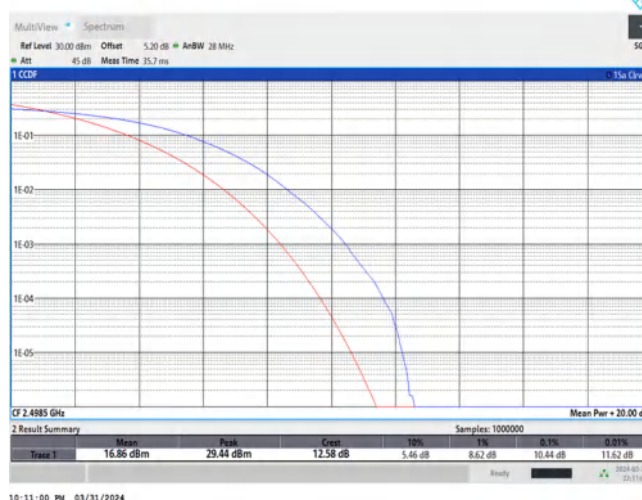
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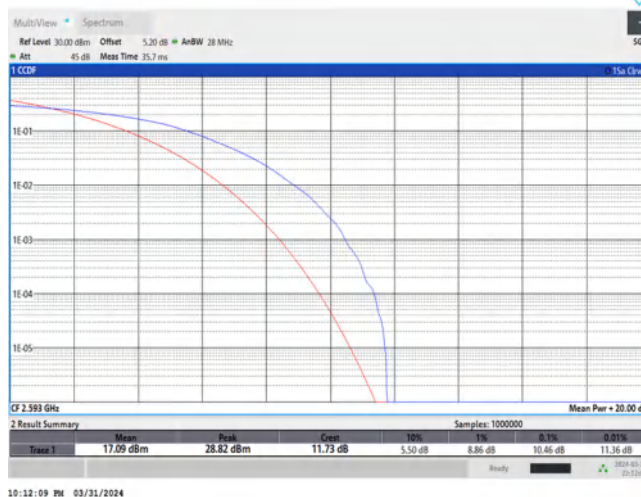
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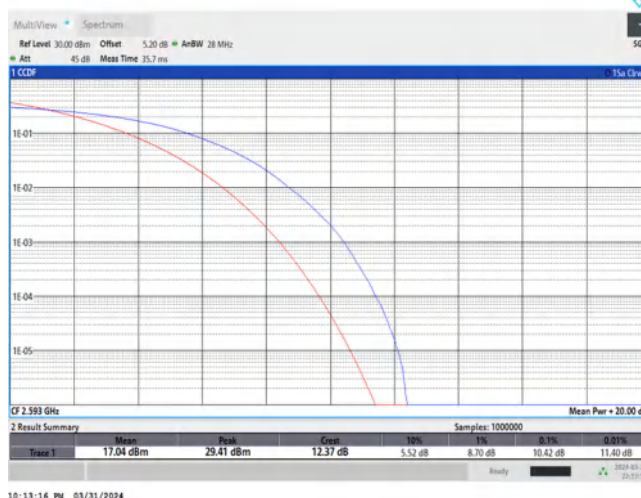
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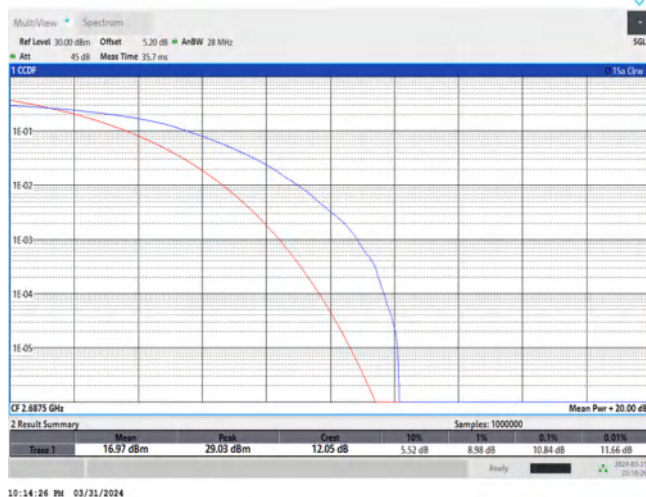
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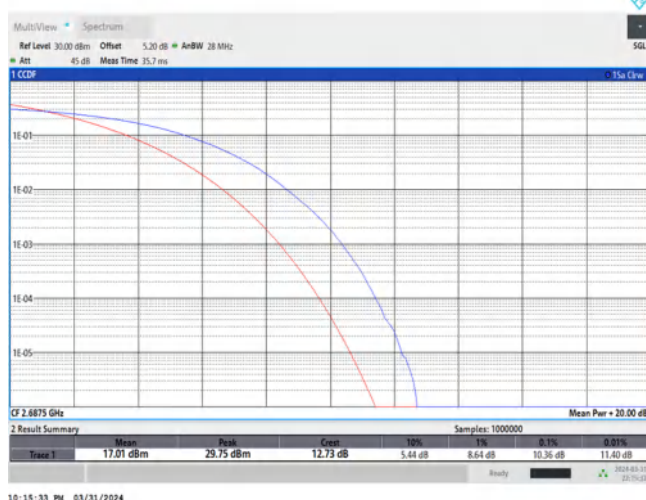
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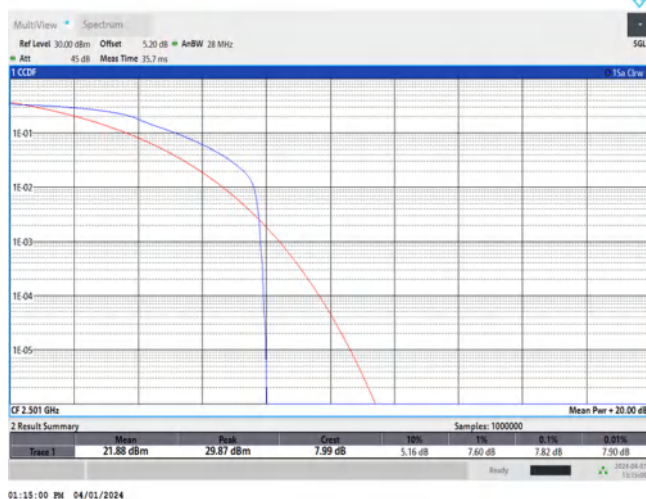
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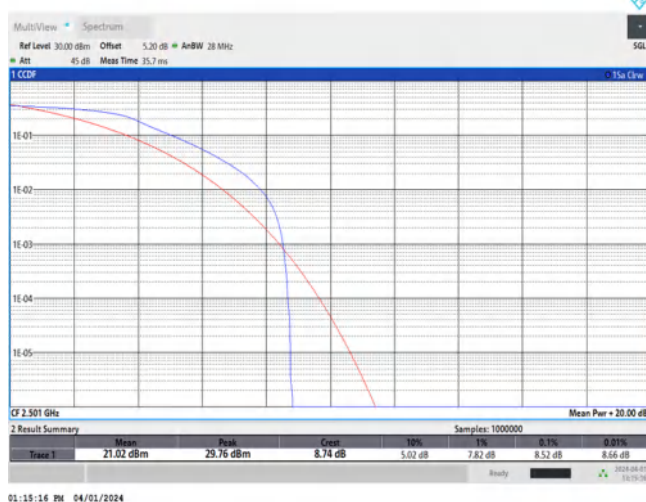
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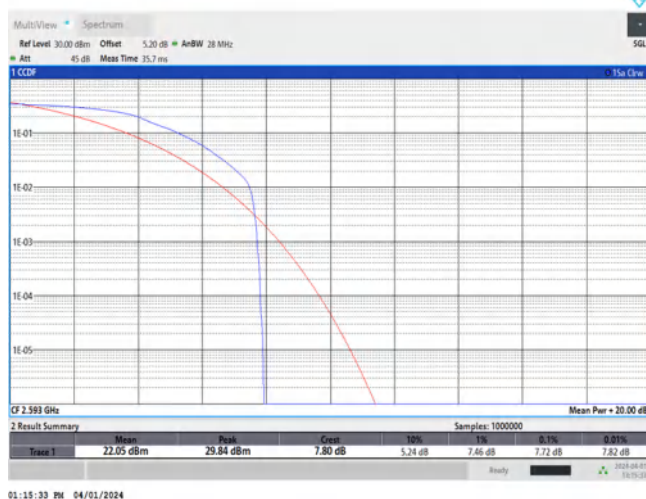
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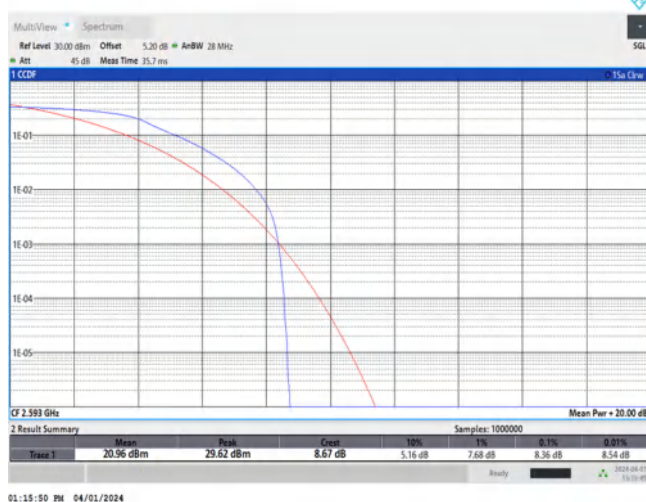
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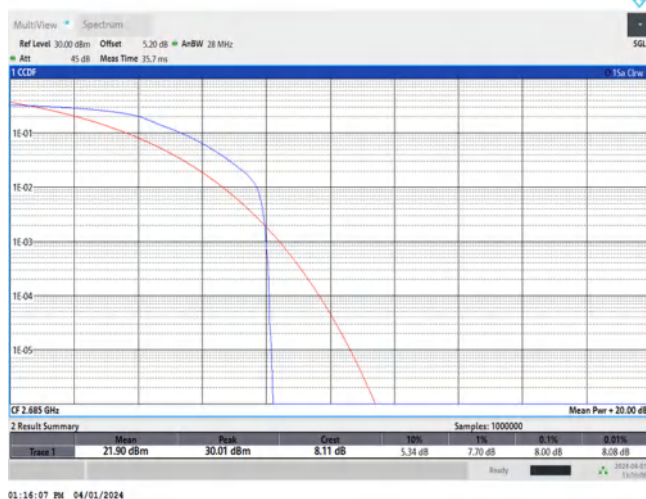
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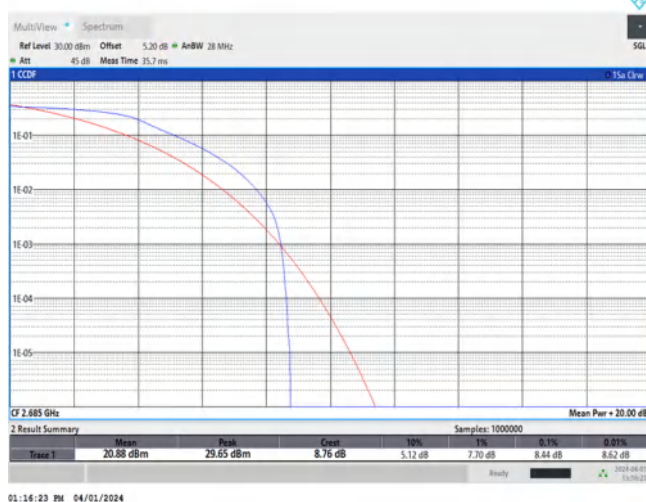
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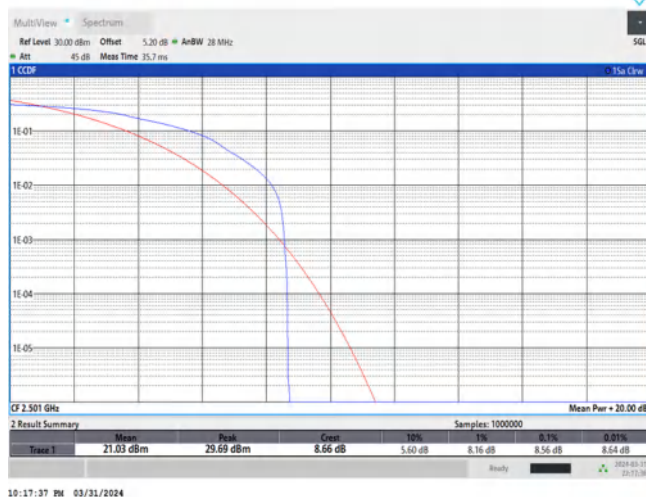
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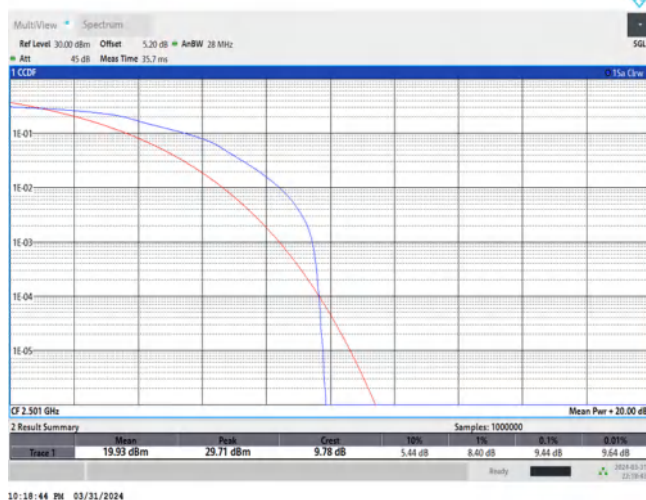
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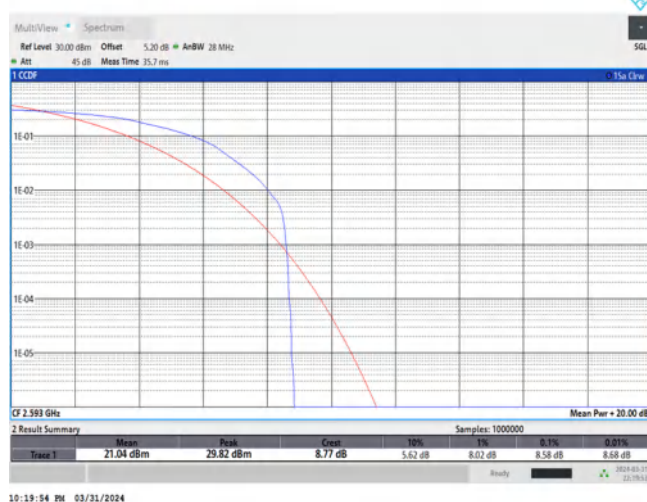
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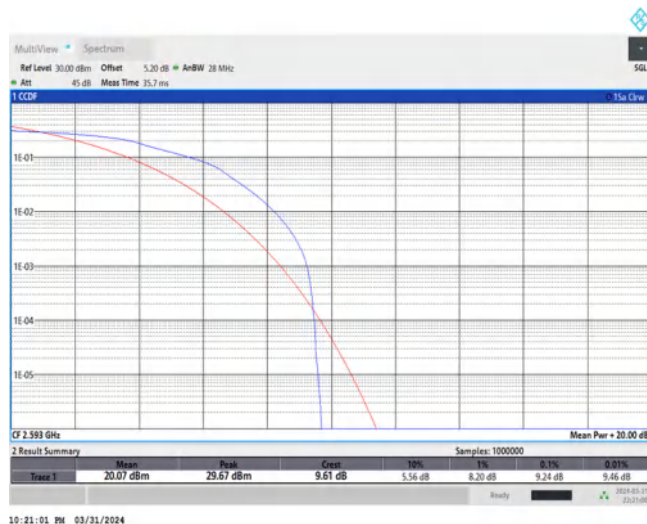
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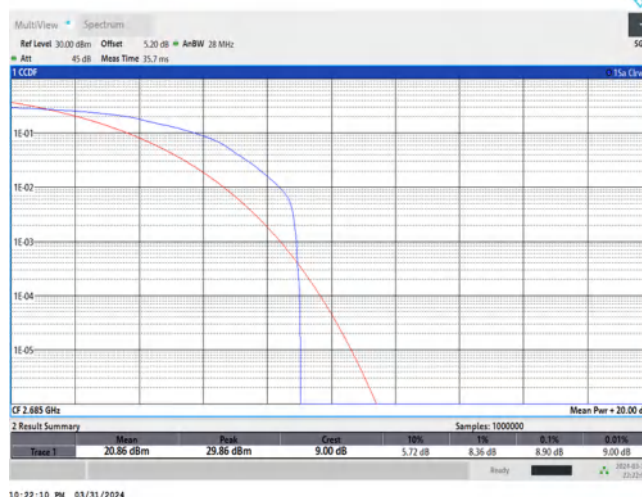
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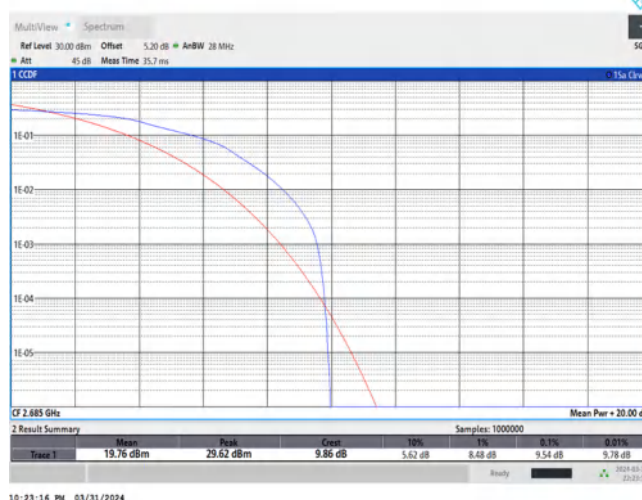
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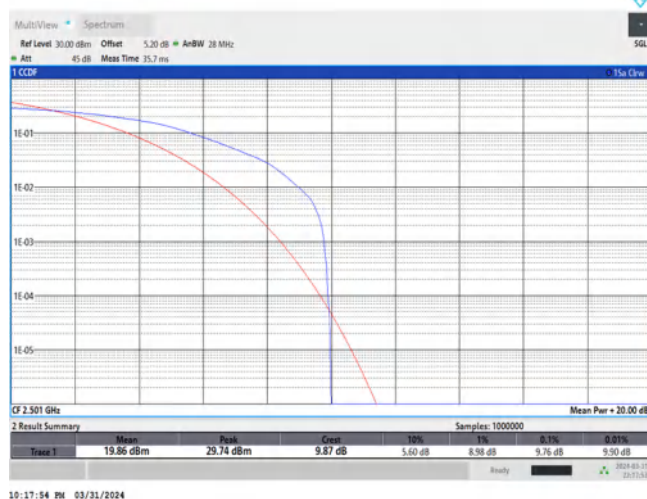
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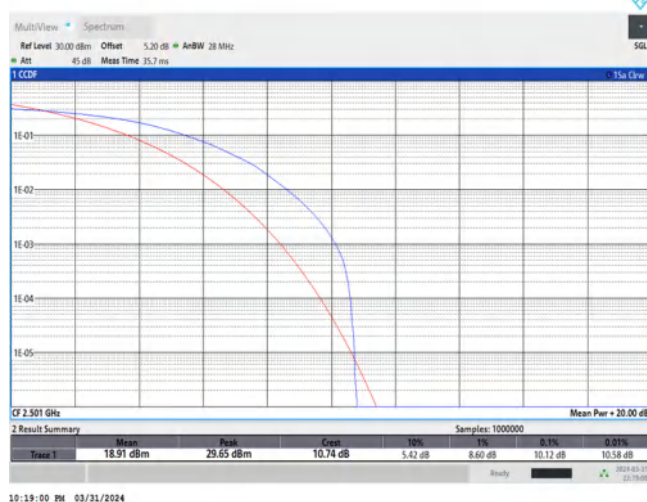
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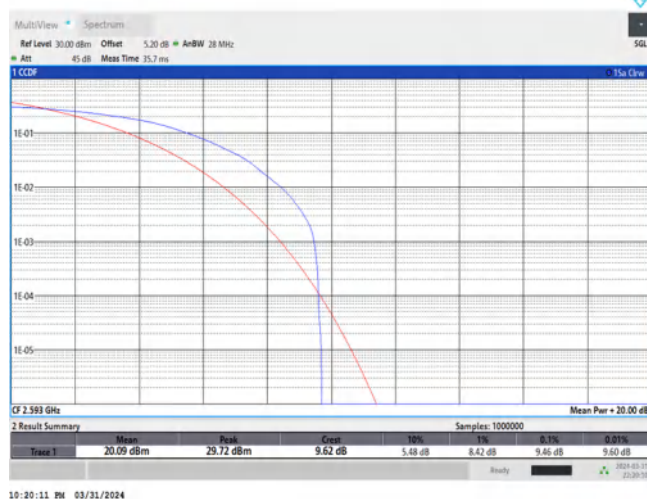
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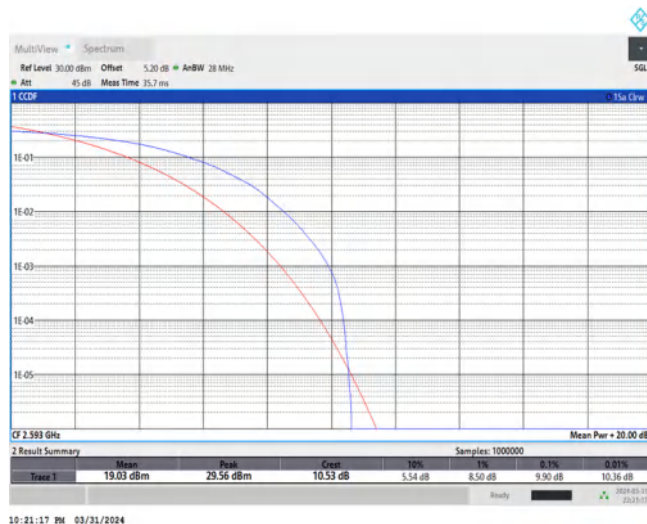
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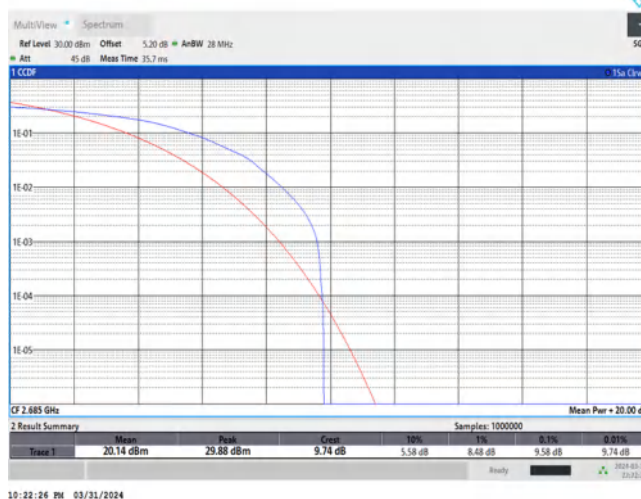
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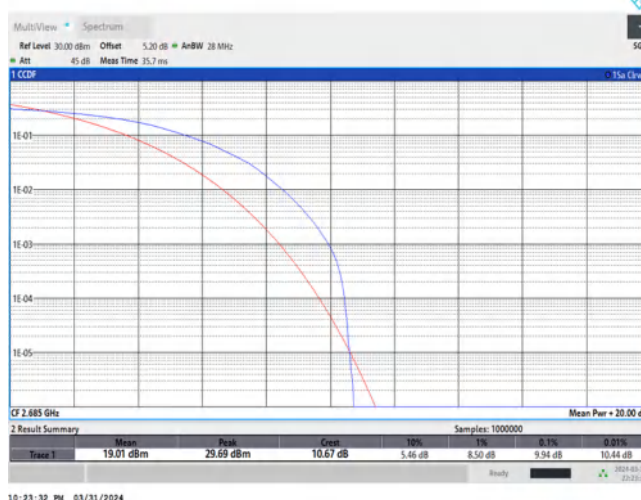
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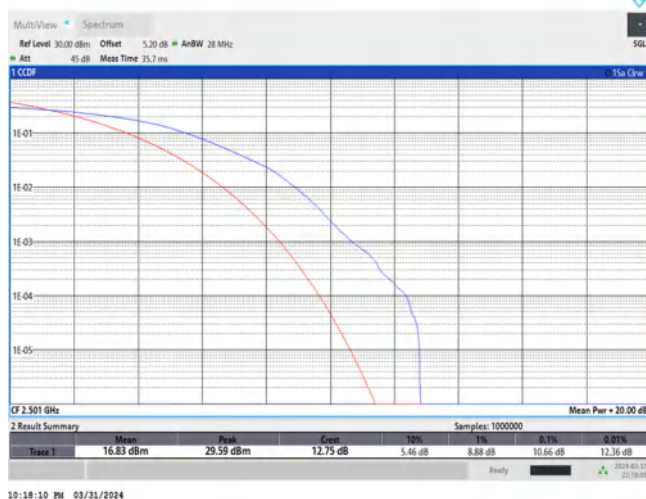
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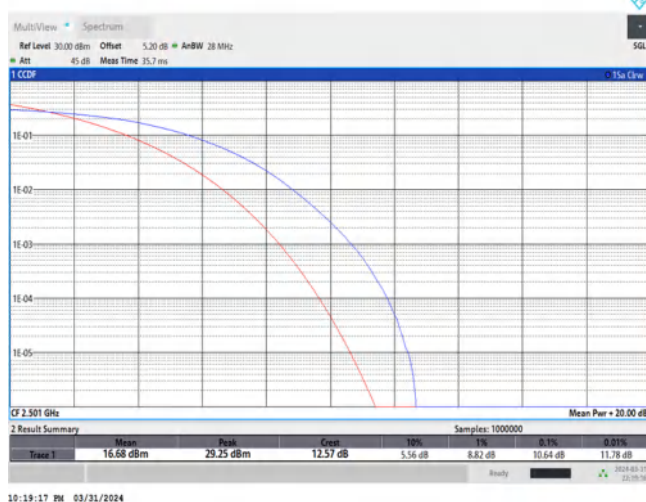
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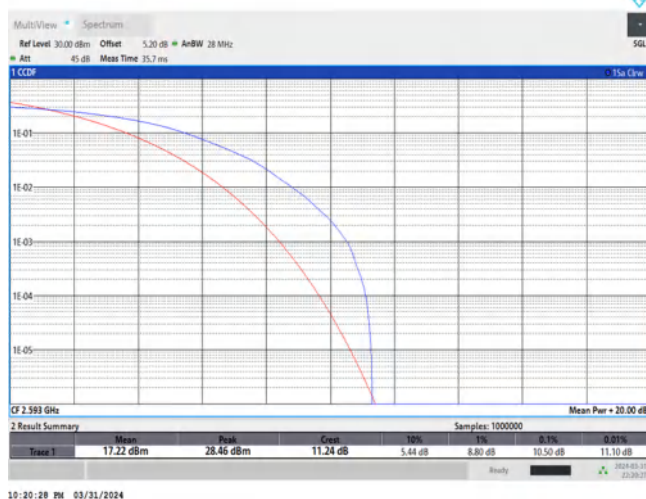
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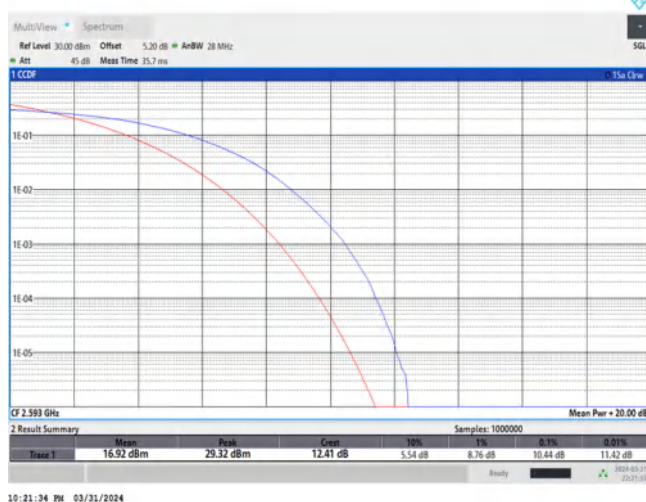
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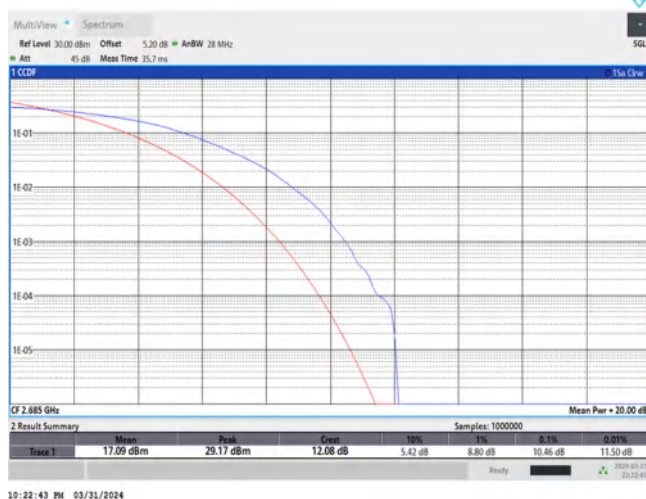
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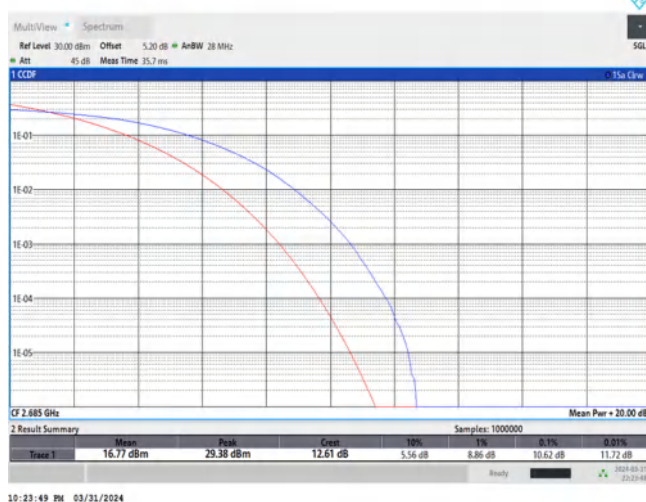
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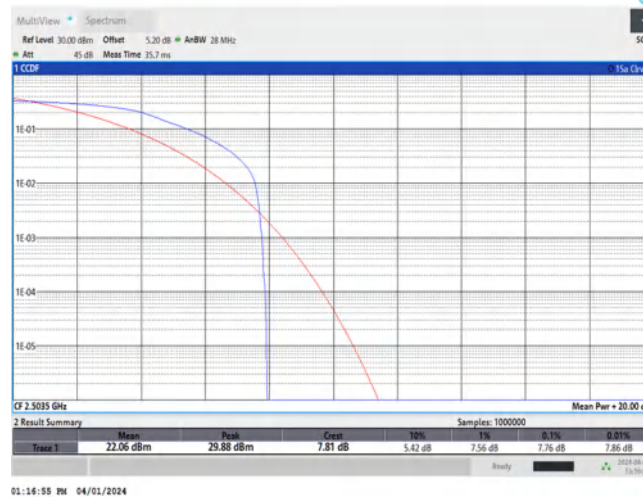
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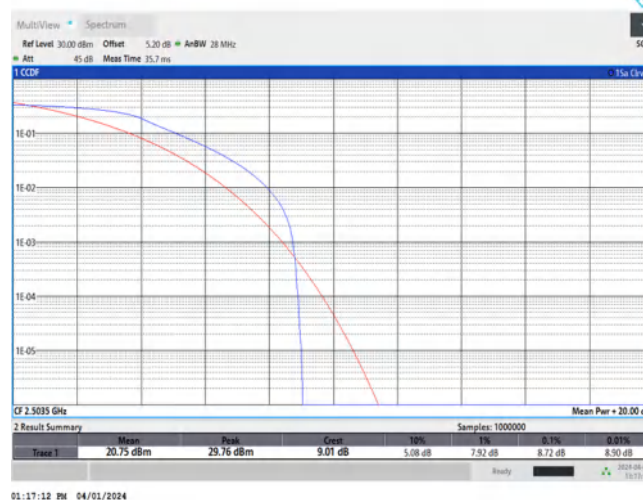
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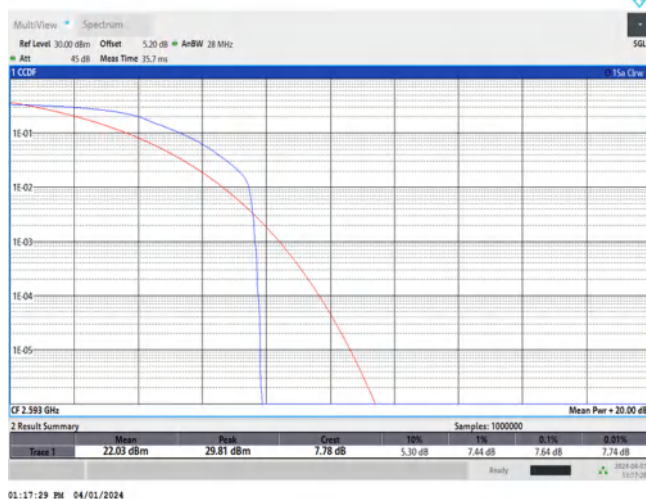
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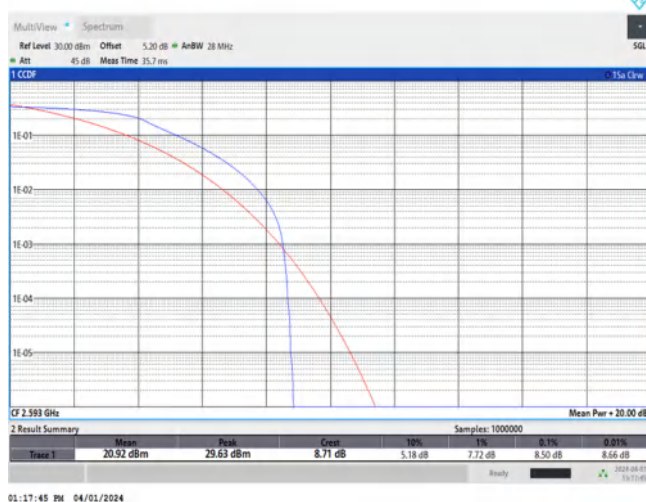
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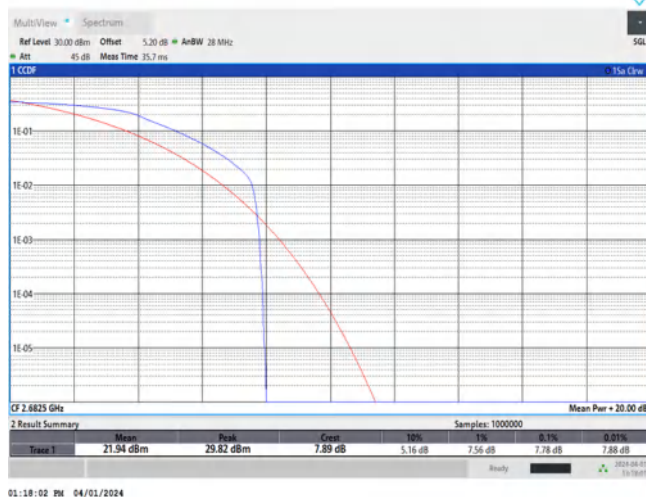
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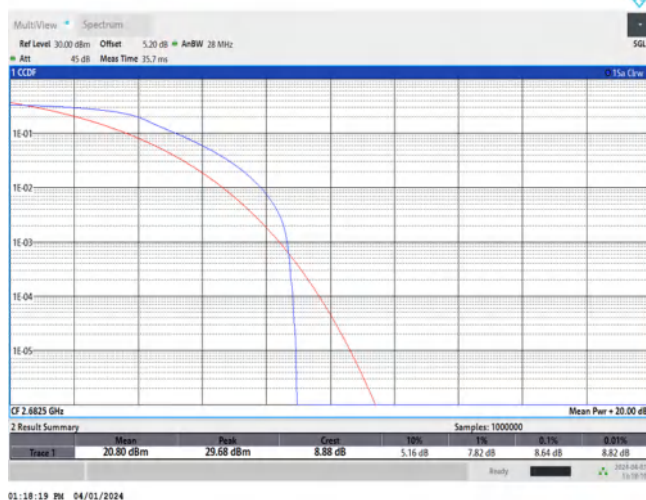
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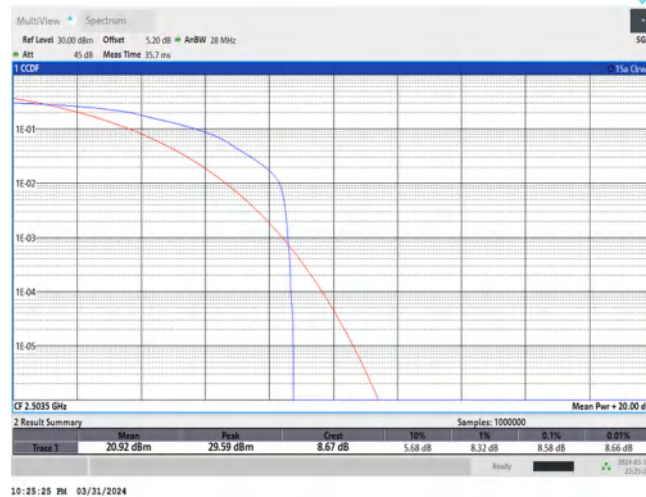
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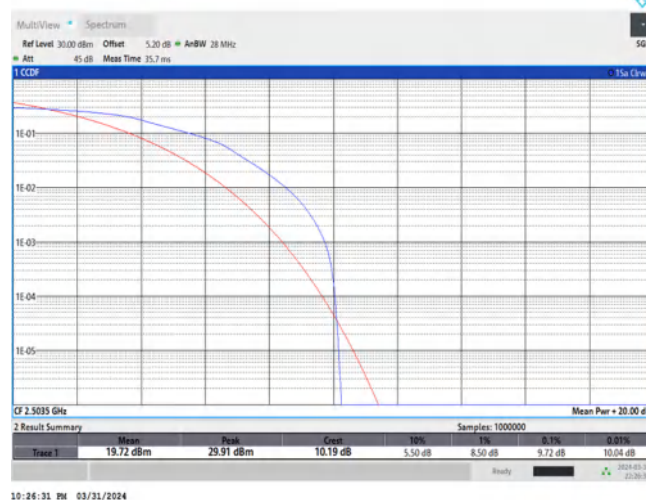
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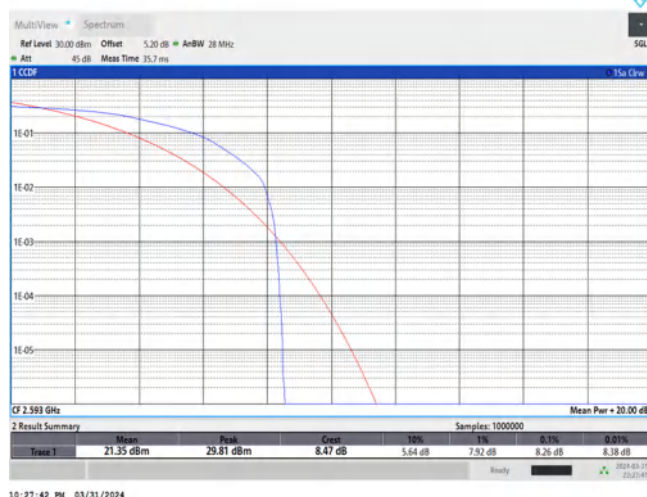
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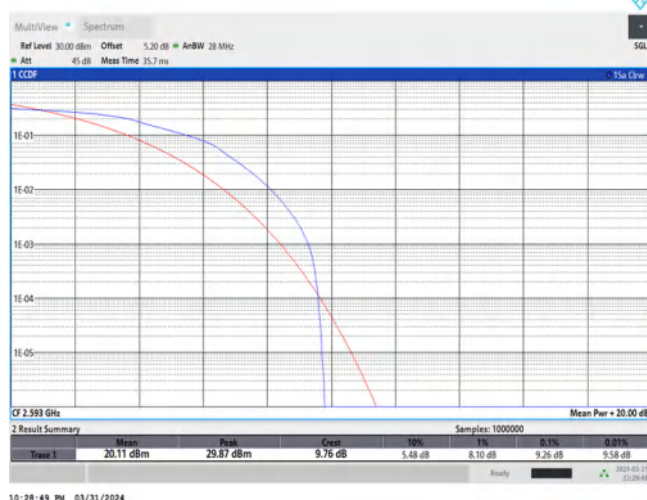
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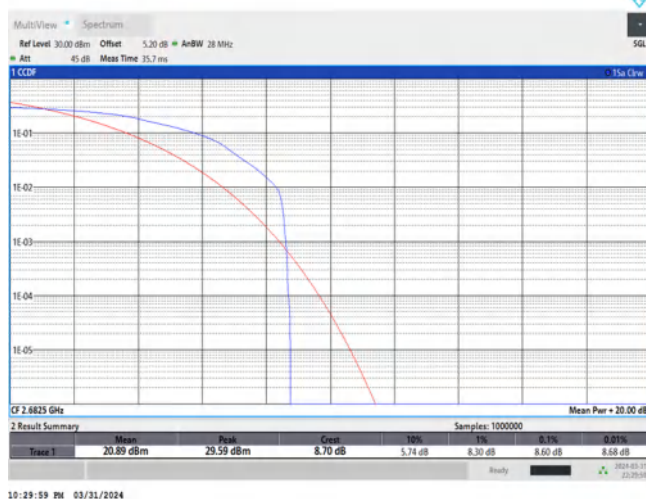
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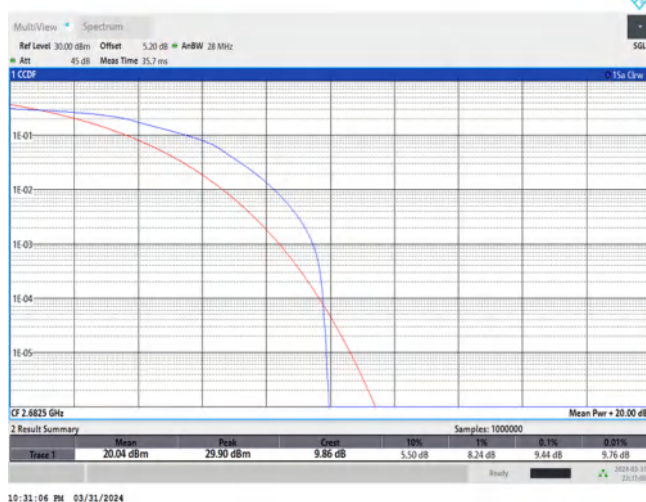
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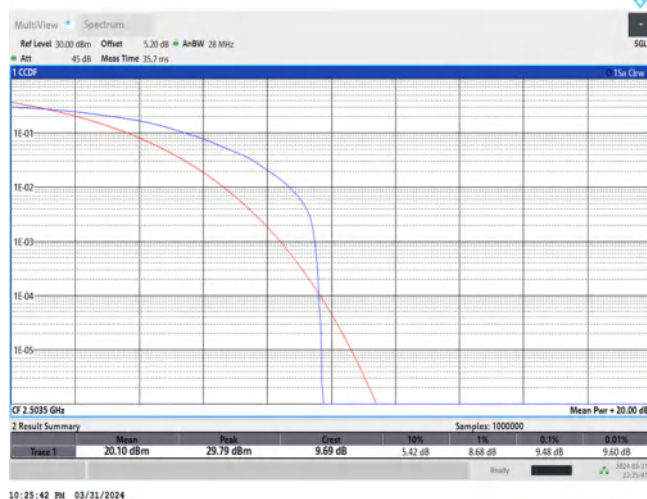
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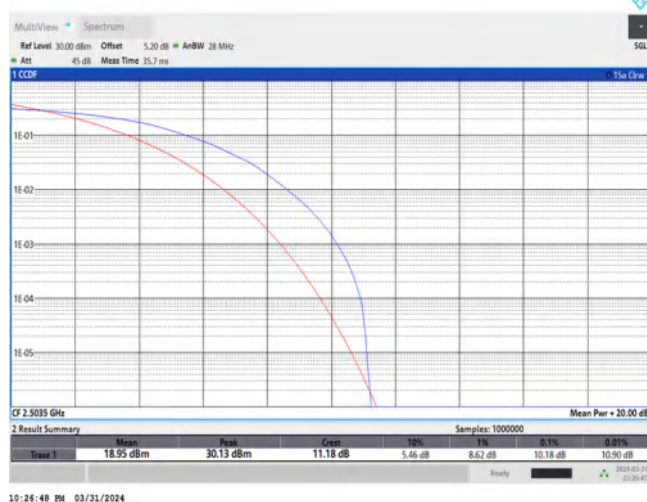
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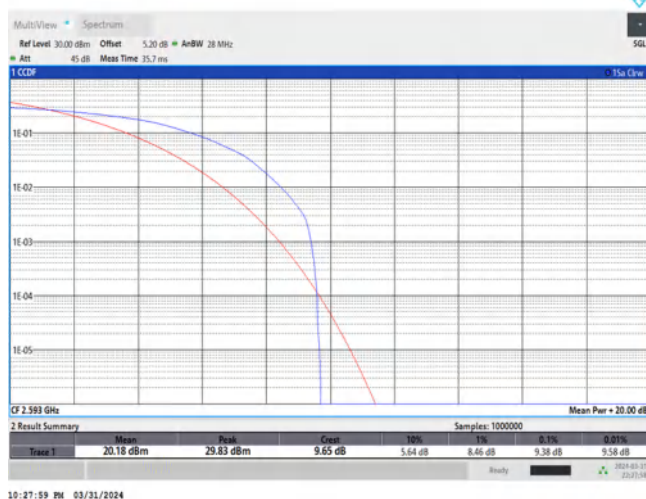
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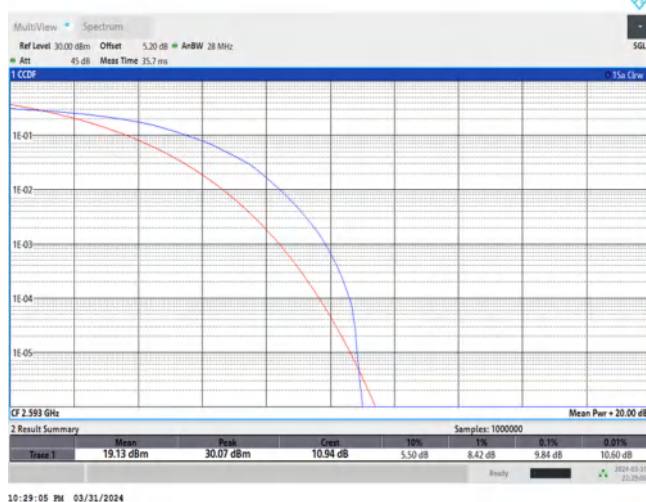
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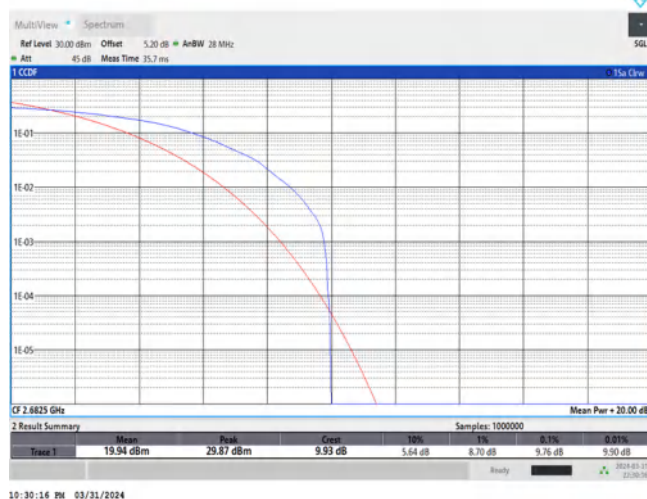
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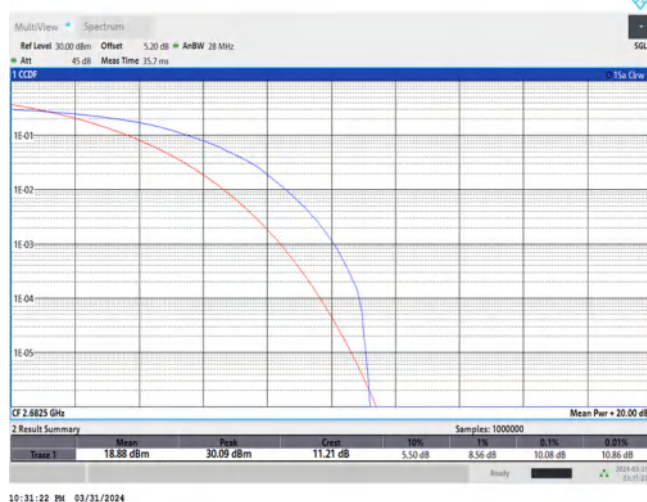
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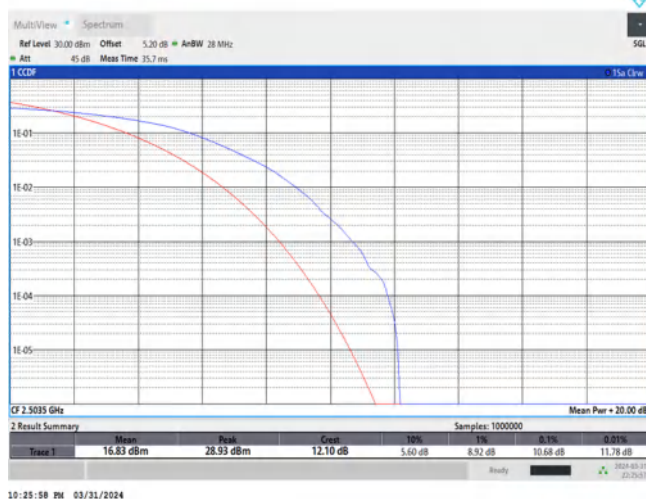
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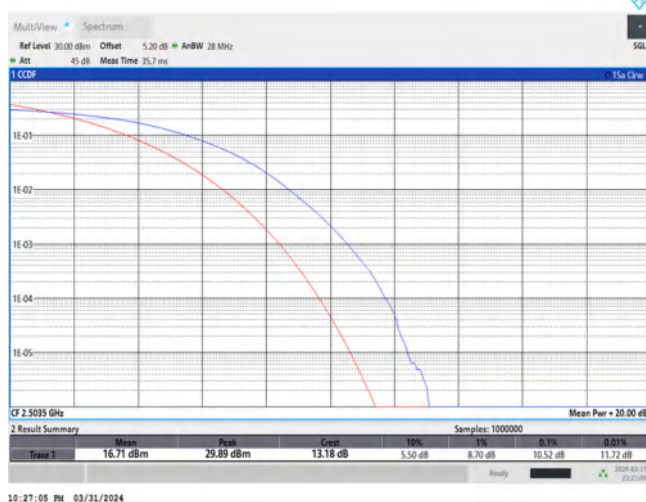
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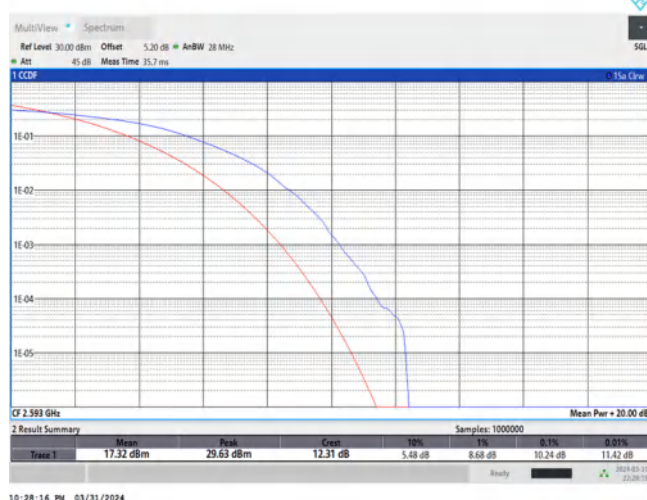
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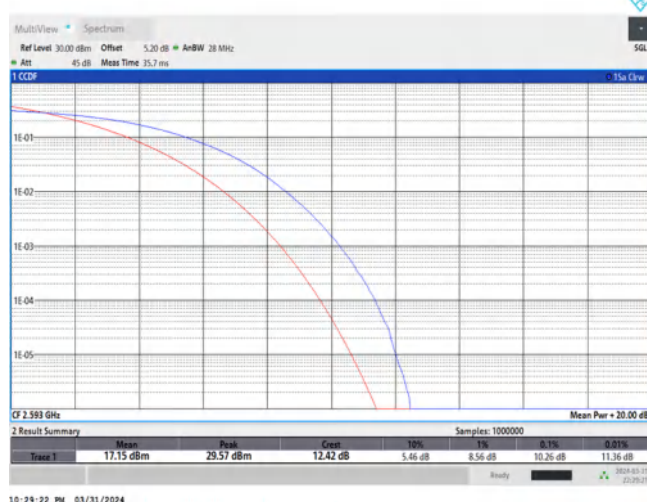
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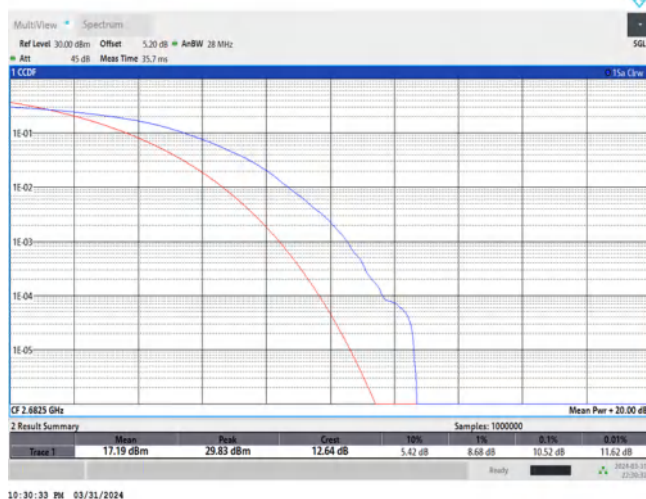
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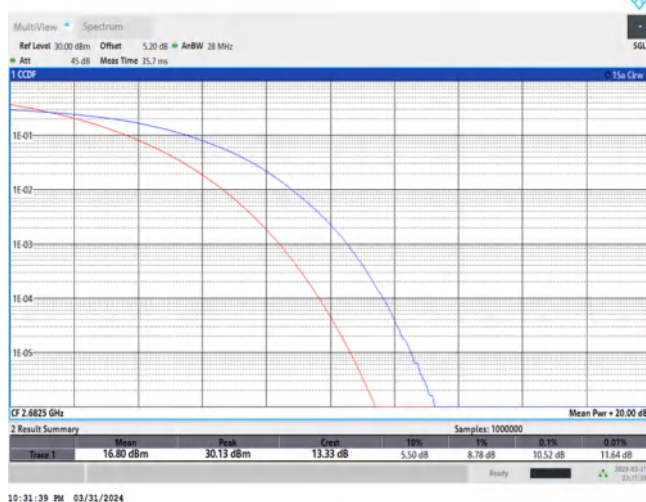
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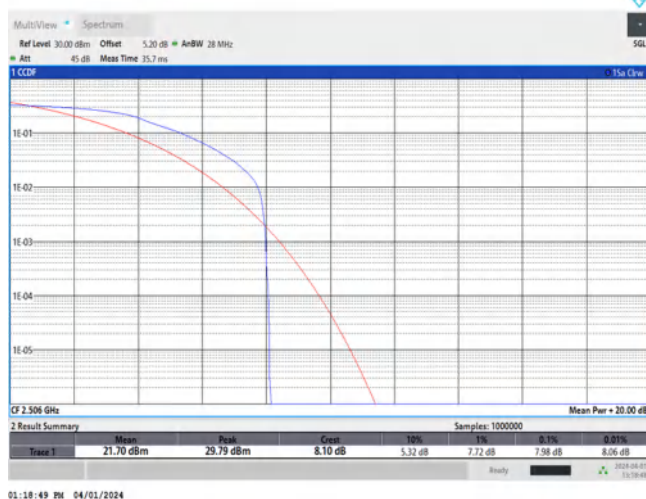
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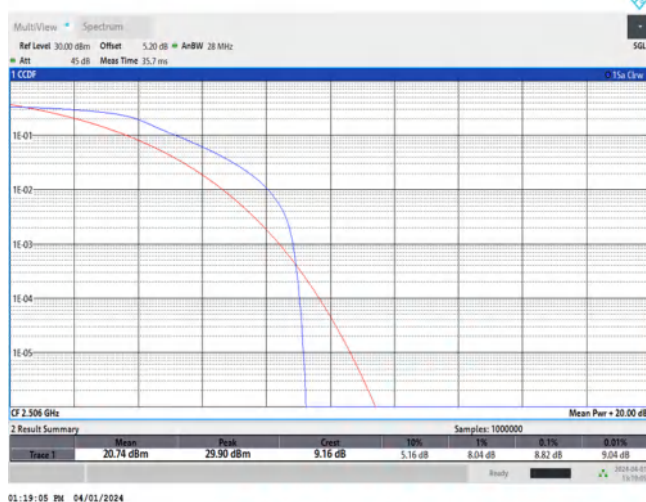
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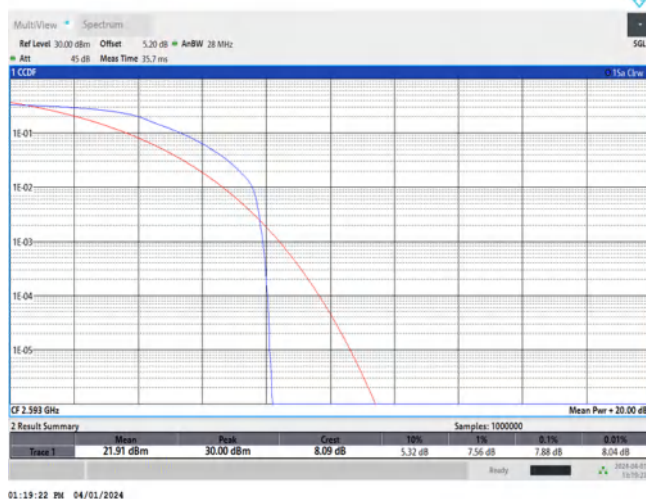
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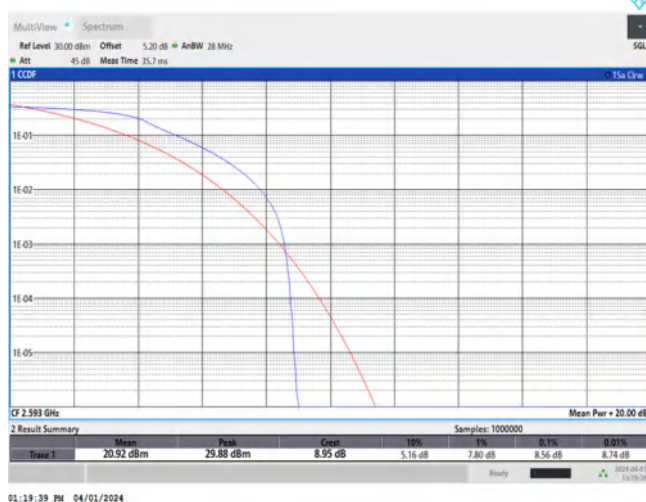
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Band41-20MHz-QPSK-40620-100RB#0



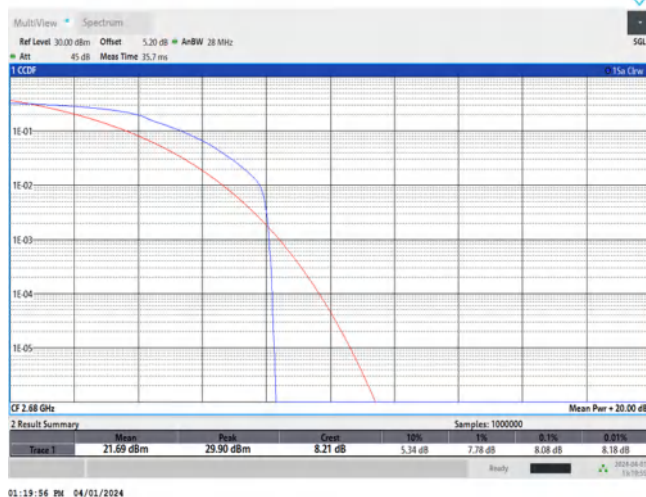
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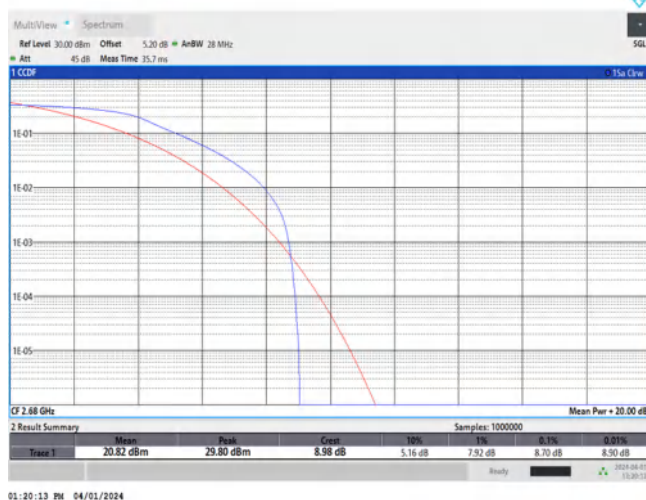
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Band41-20MHz-QPSK-41490-1RB#0



Band41-20MHz-QPSK-41490-100RB#0



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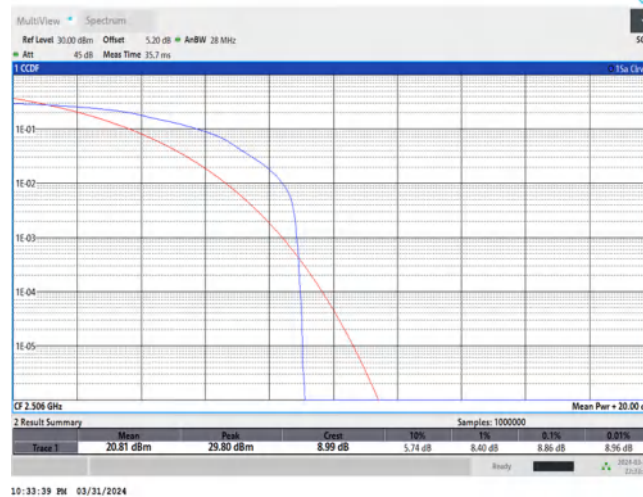
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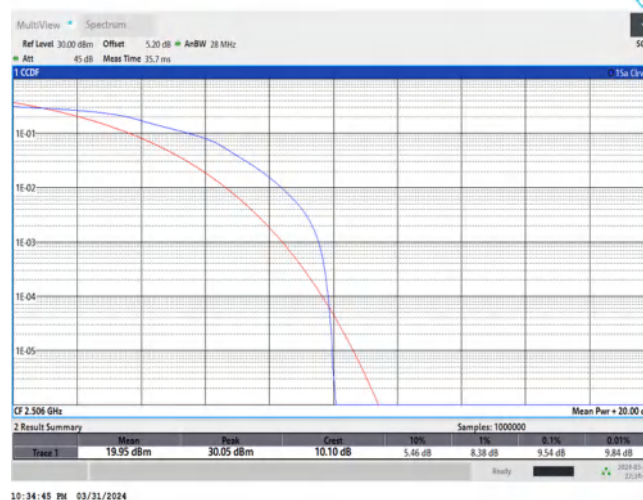
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Band41-20MHz-16QAM-39750-1RB#0



Band41-20MHz-16QAM-39750-100RB#0



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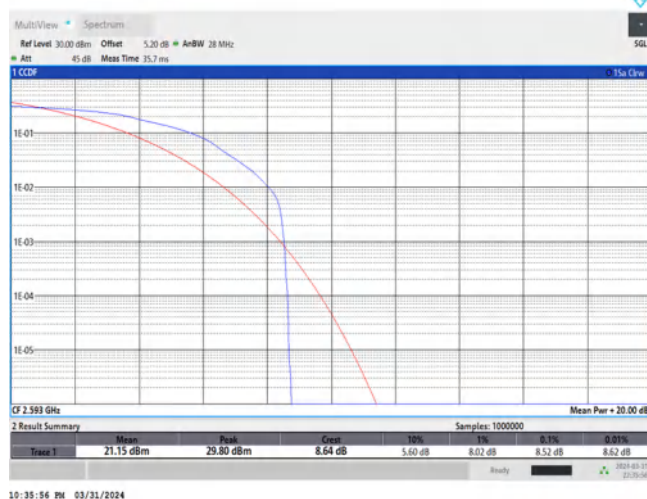
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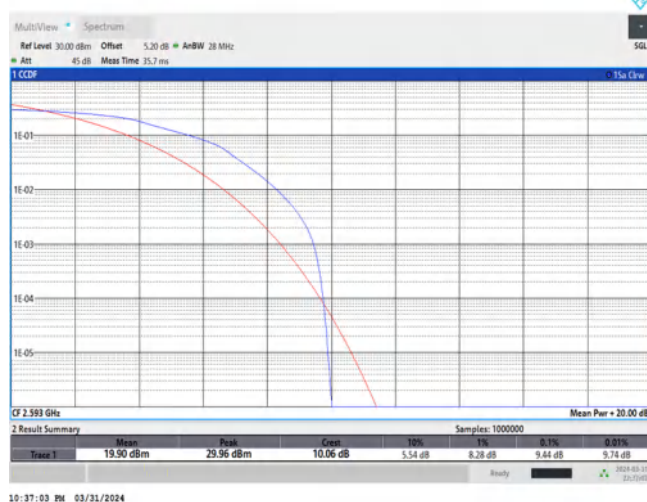
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Band41-20MHz-16QAM-40620-100RB#0



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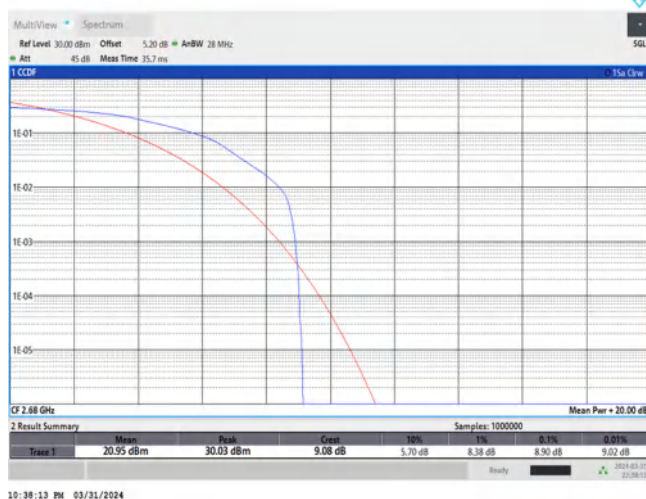
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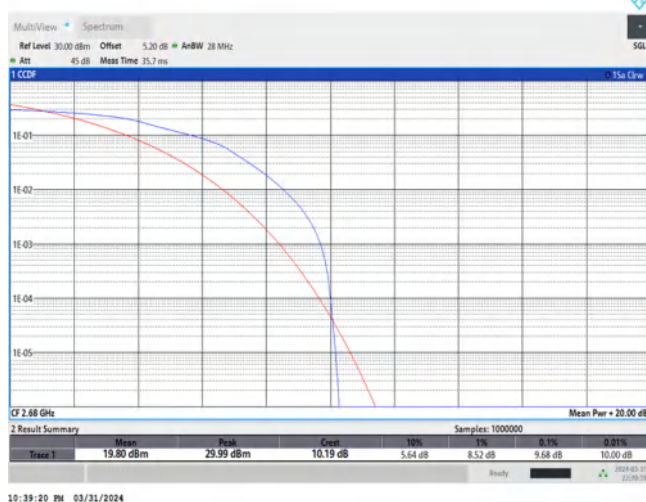
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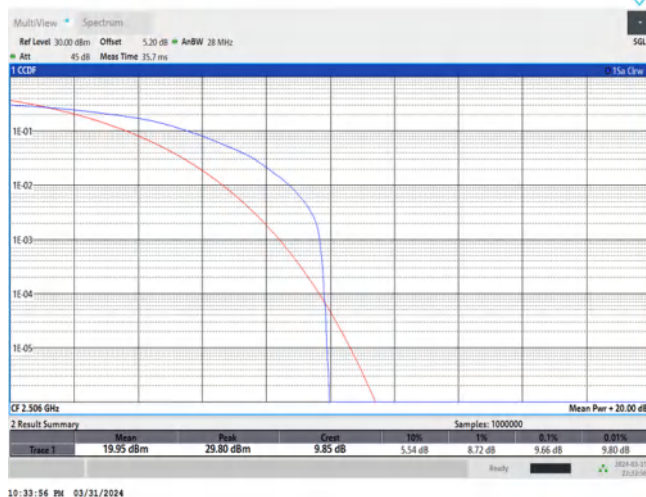
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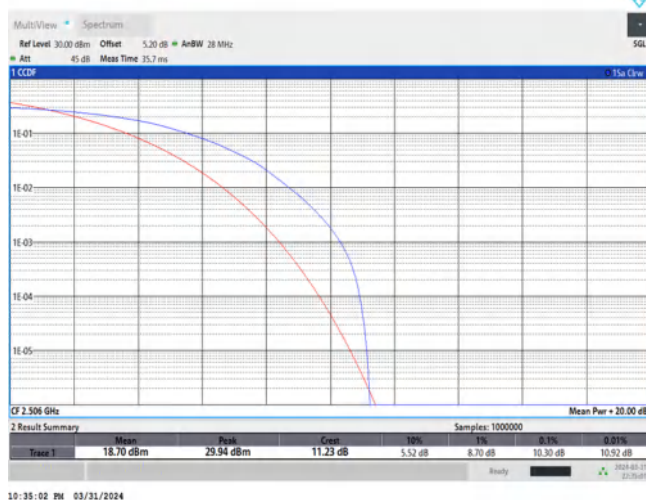
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Band41-20MHz-64QAM-39750-1RB#0



Band41-20MHz-64QAM-39750-100RB#0



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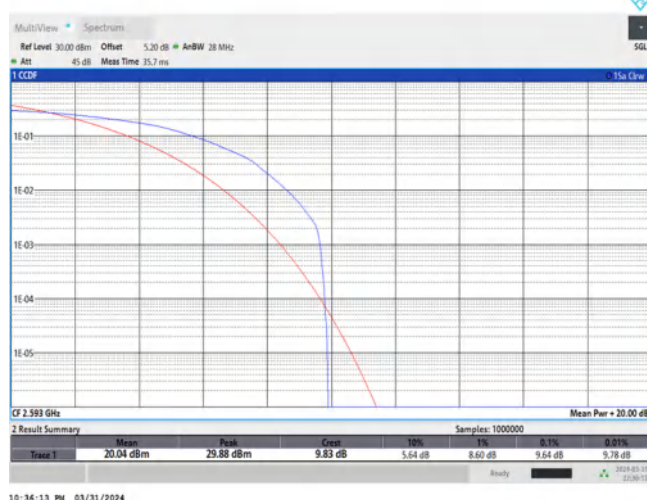
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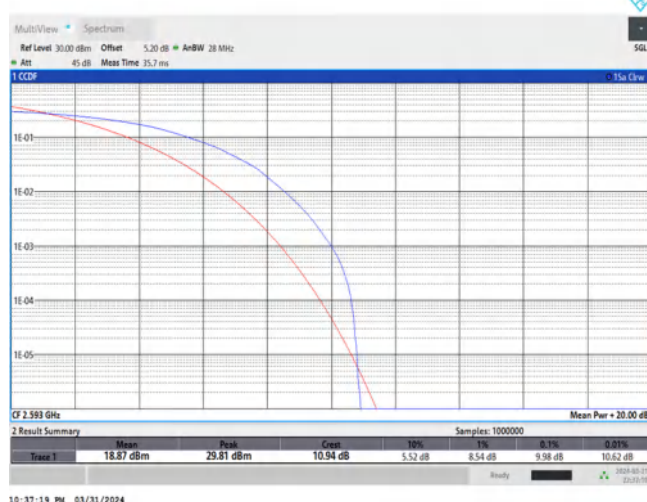
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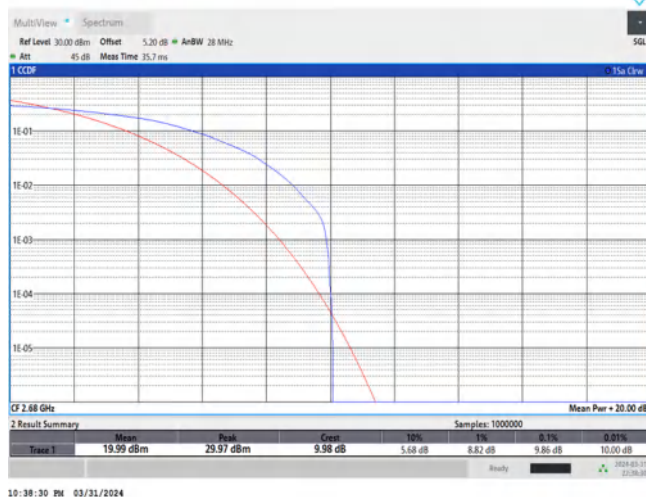
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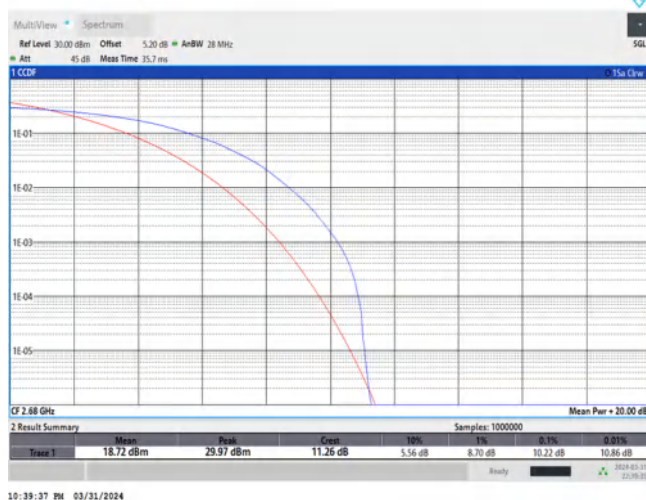
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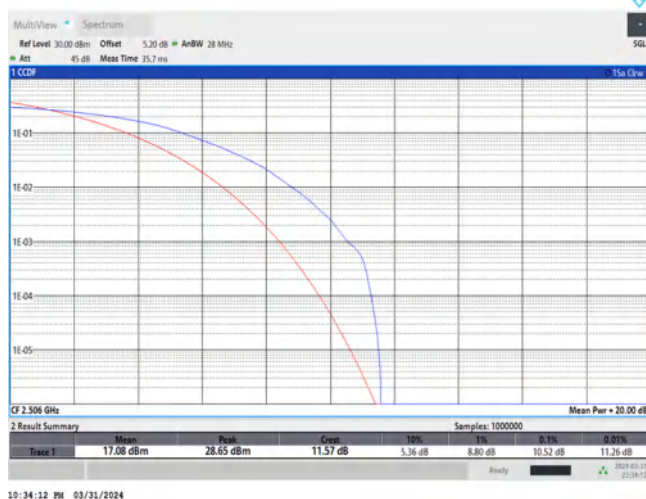
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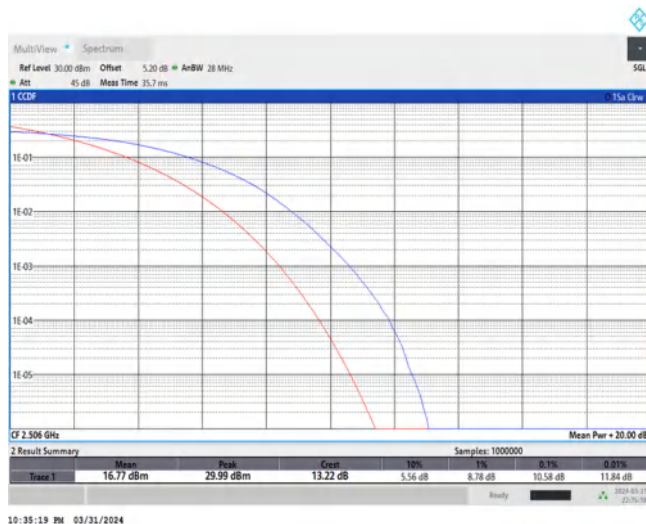
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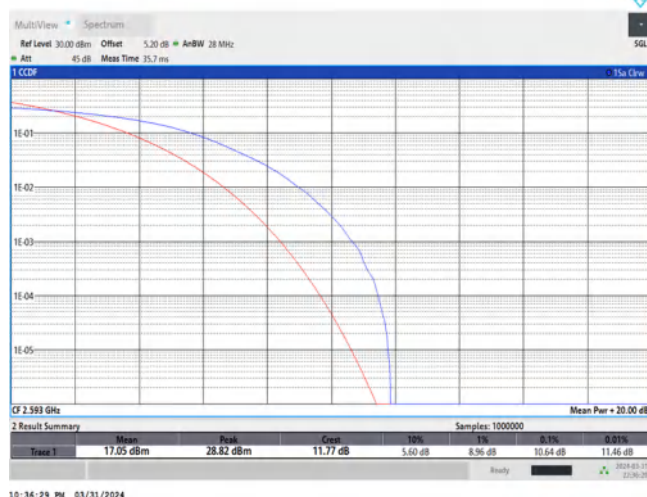
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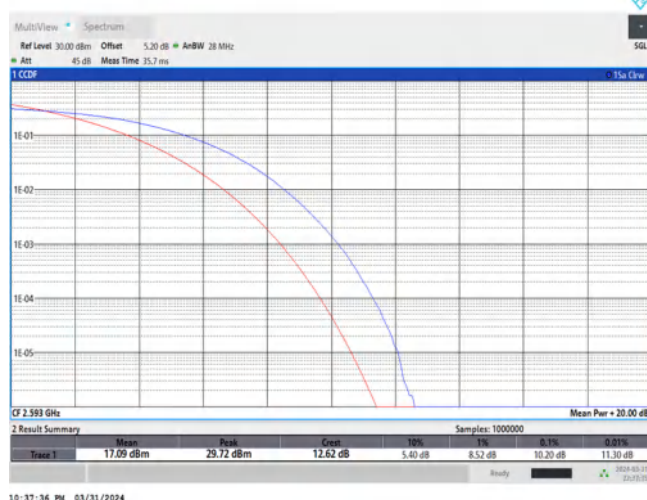
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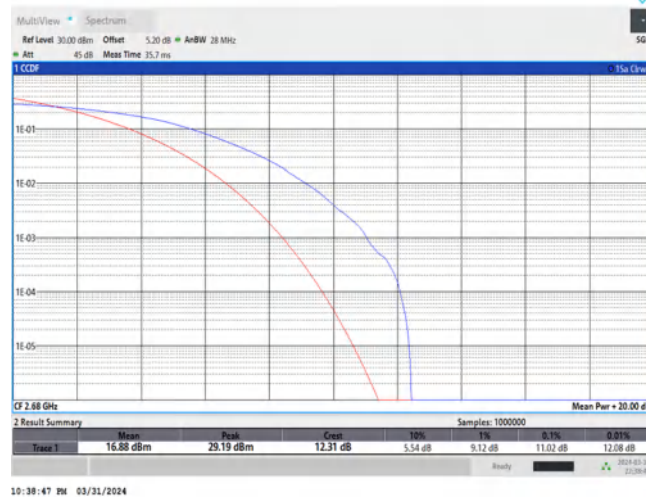
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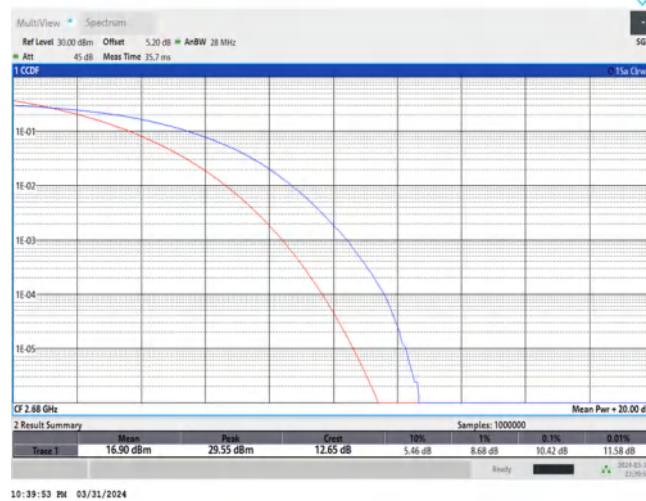
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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	40620	25RB#0	4.512	5.08	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.481	4.81	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.469	4.85	PASS
Band41	5MHz	256QAM	40620	25RB#0	4.459	4.77	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.904	9.70	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.956	9.70	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.913	9.74	PASS
Band41	10MHz	256QAM	40620	50RB#0	8.92	9.60	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.457	14.61	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.42	14.88	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.444	14.55	PASS
Band41	15MHz	256QAM	40620	75RB#0	13.431	14.70	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.899	19.28	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.915	19.20	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.868	19.12	PASS
Band41	20MHz	256QAM	40620	100RB#0	17.852	18.92	PASS



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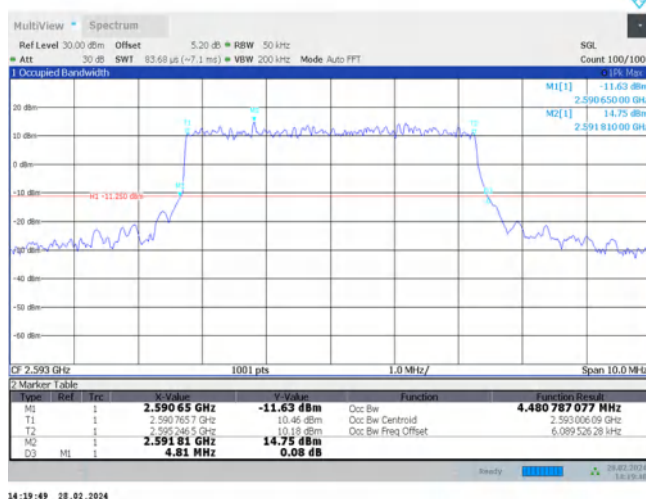
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Test Graphs

Band41-5MHz-QPSK-40620-25RB#0



Band41-5MHz-16QAM-40620-25RB#0



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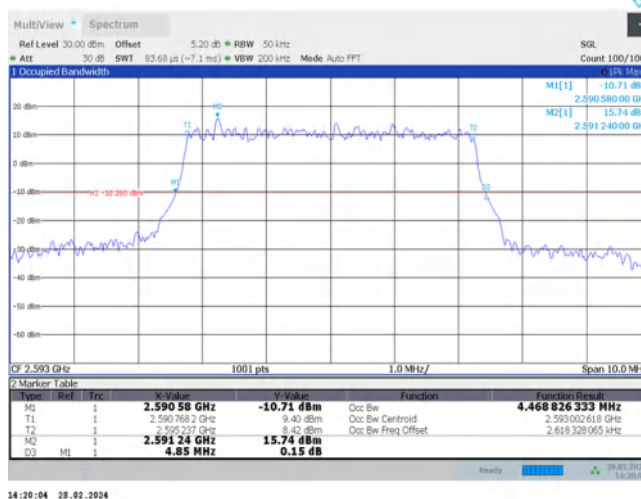
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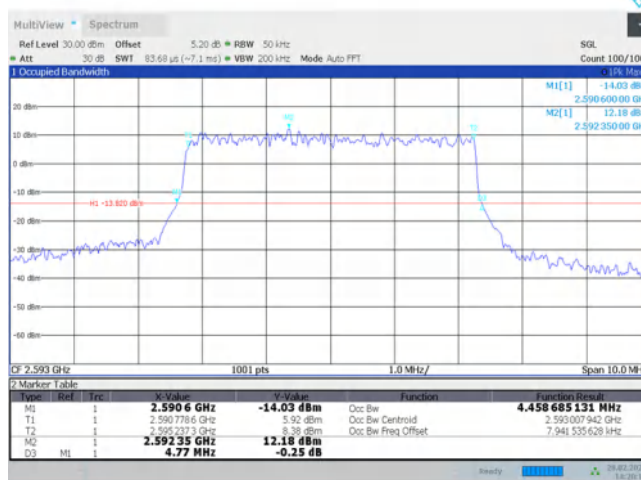
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14:20:04 28.02.2024

Band41-5MHz-256QAM-40620-25RB#0



14:20:20 28.02.2024



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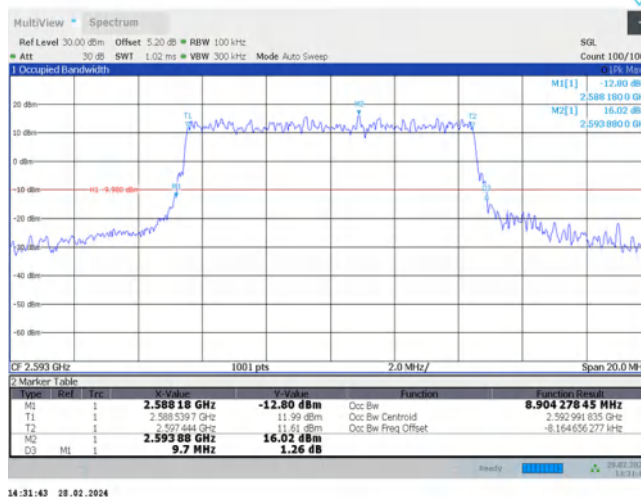
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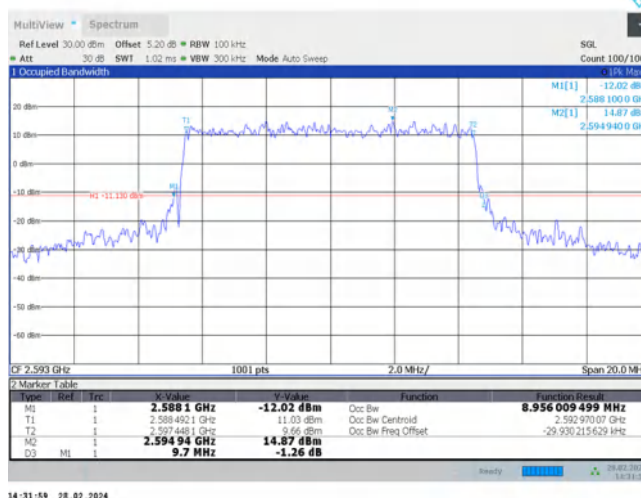
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Band41-10MHz-QPSK-40620-50RB#0



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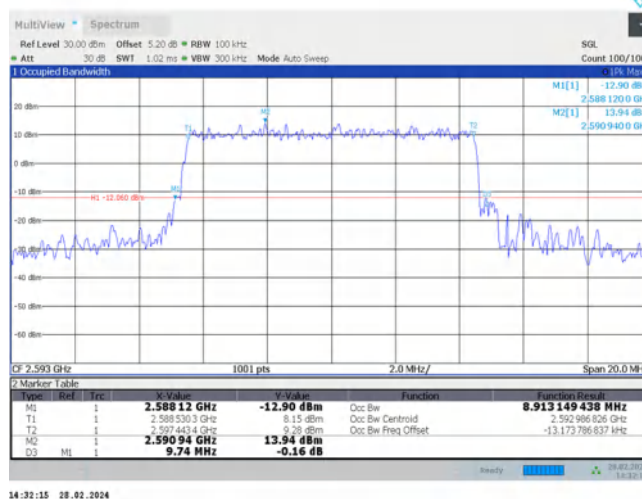
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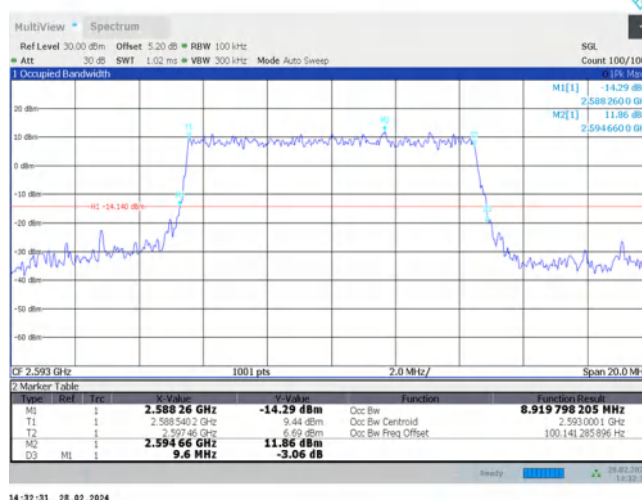
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Band41-10MHz-256QAM-40620-50RB#0



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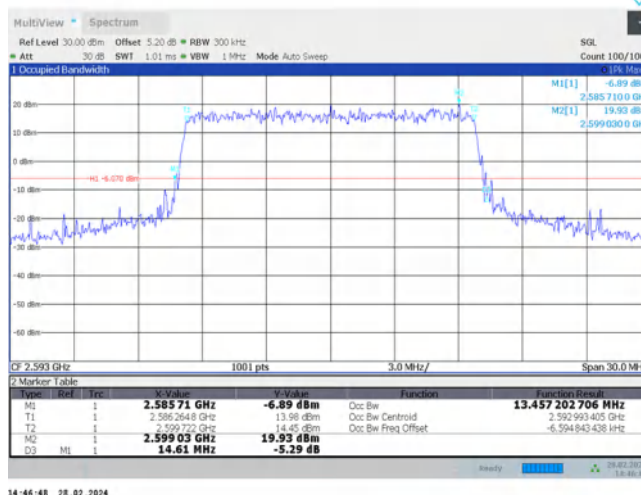
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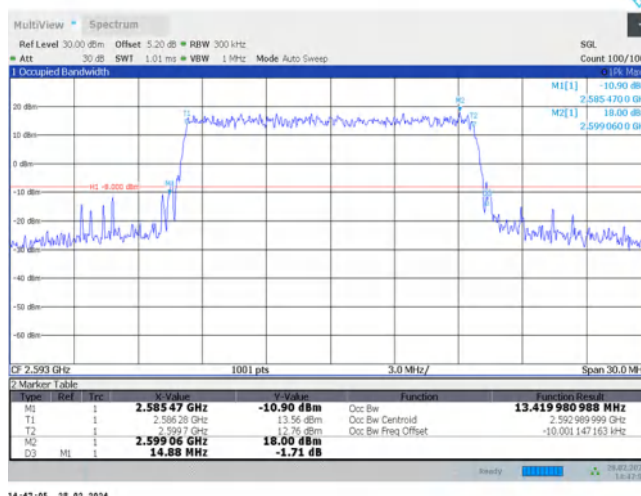
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Band41-15MHz-QPSK-40620-75RB#0



Band41-15MHz-16QAM-40620-75RB#0



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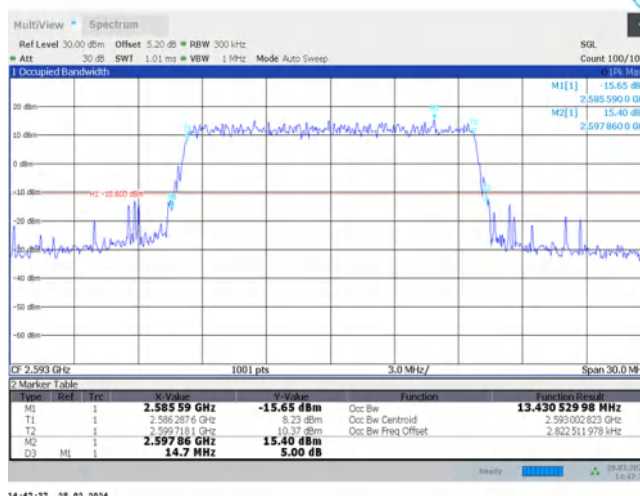
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Band41-15MHz-256QAM-40620-75RB#0



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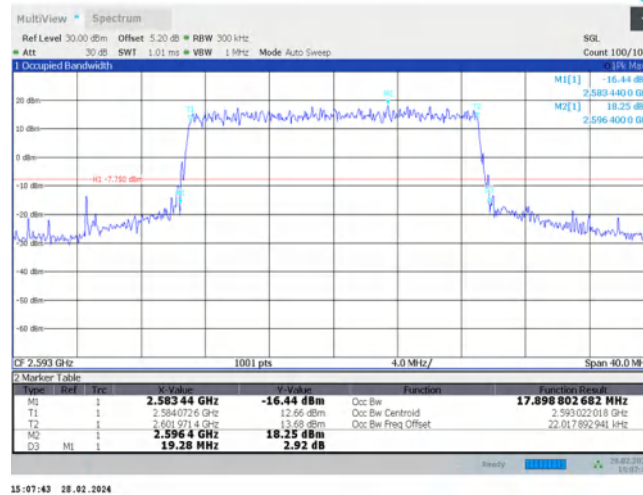
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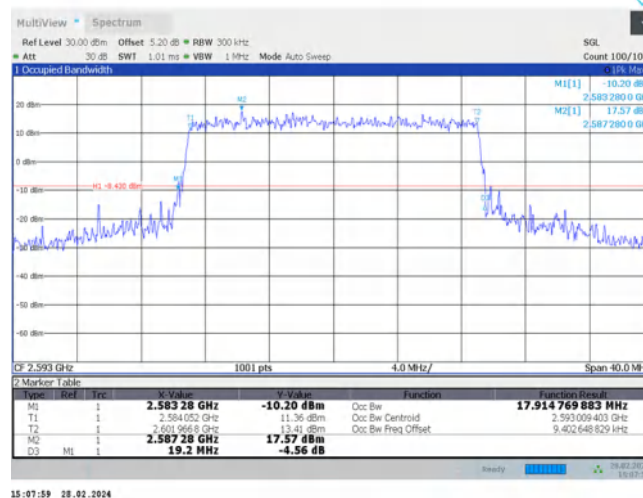
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Band41-20MHz-QPSK-40620-100RB#0



Band41-20MHz-16QAM-40620-100RB#0



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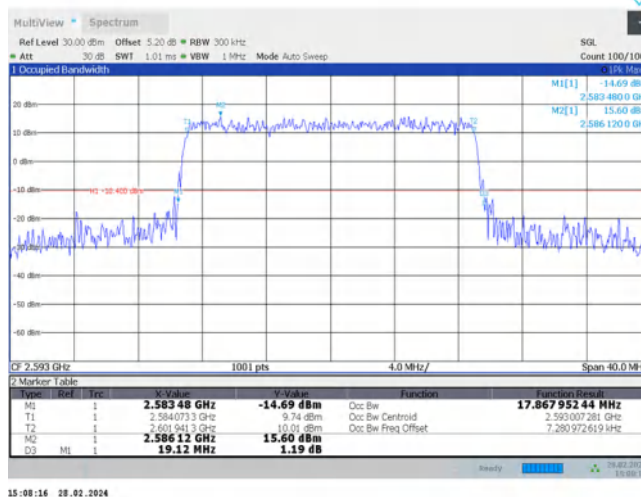
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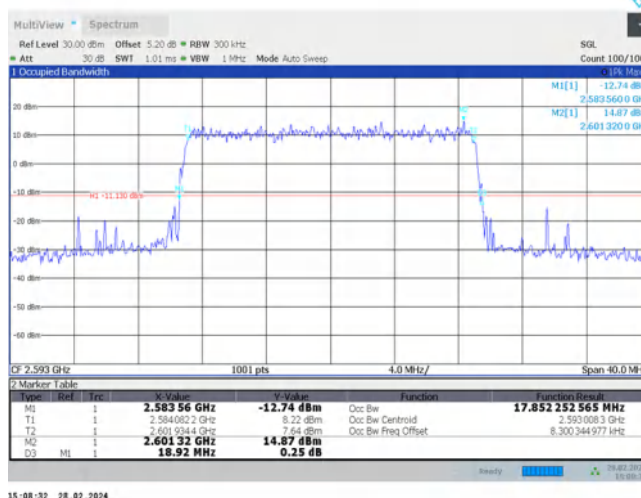
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Band41-20MHz-256QAM-40620-100RB#0



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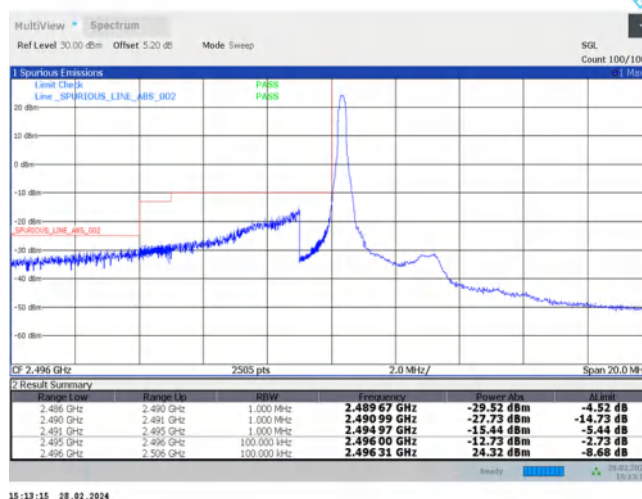
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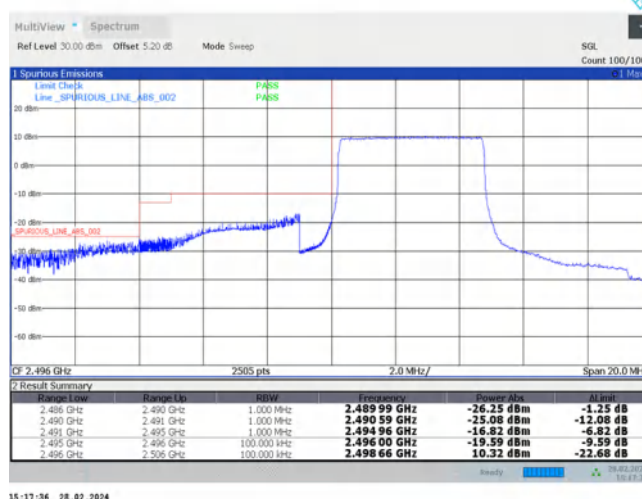
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Band41-5MHz-QPSK-39675-1RB#0



Band41-5MHz-QPSK-39675-25RB#0



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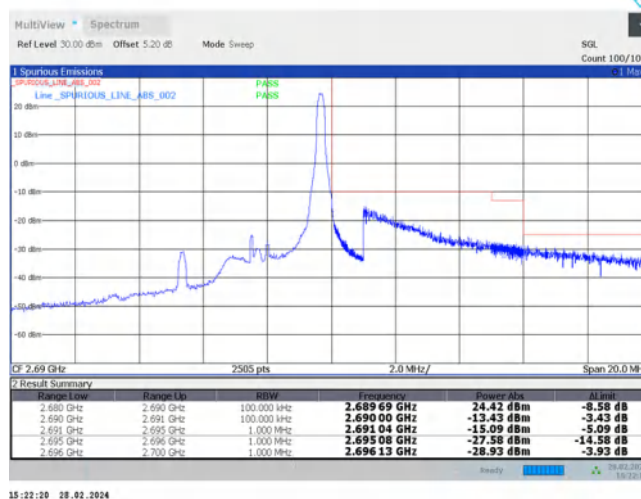
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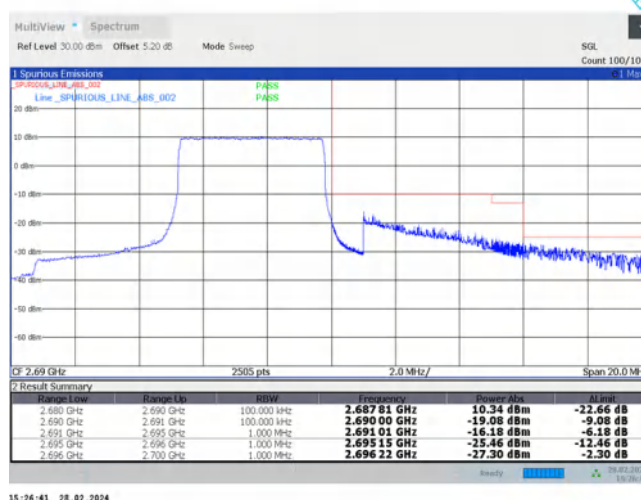
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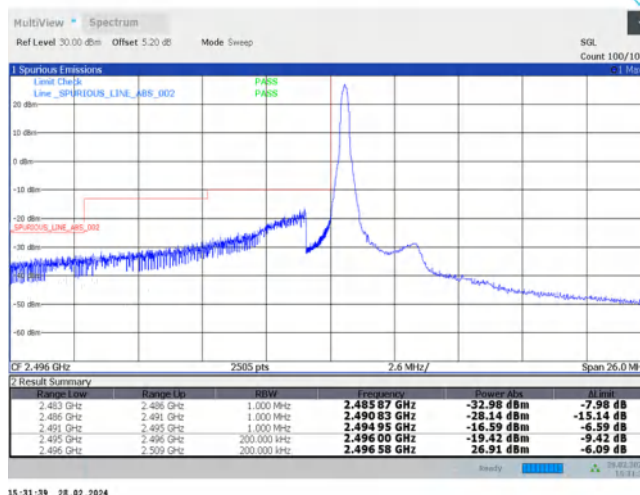
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Band41-10MHz-QPSK-39700-1RB#0



Band41-10MHz-QPSK-39700-50RB#0



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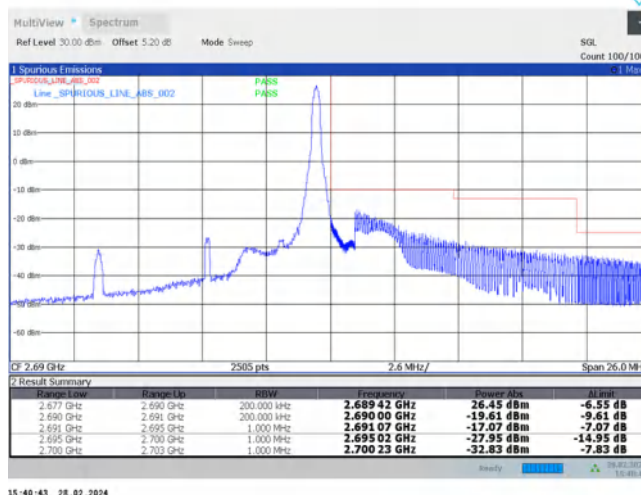
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Band41-10MHz-QPSK-41540-1RB#49



Band41-10MHz-QPSK-41540-50RB#0



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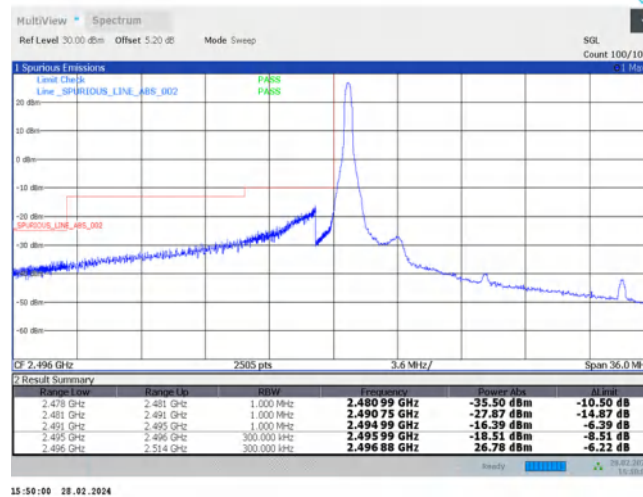
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Band41-15MHz-QPSK-39725-1RB#0



Band41-15MHz-QPSK-39725-75RB#0



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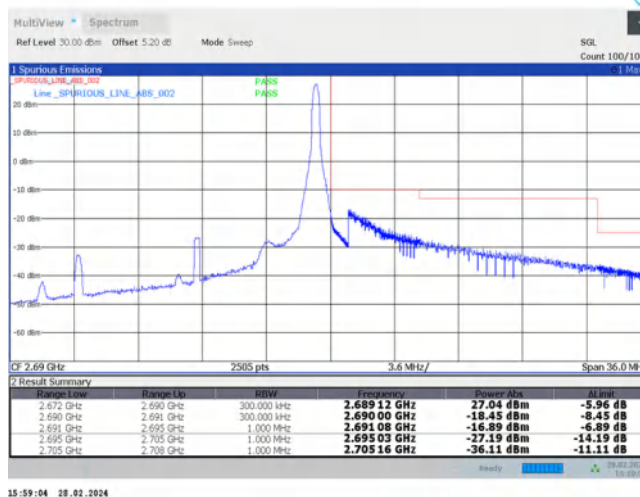
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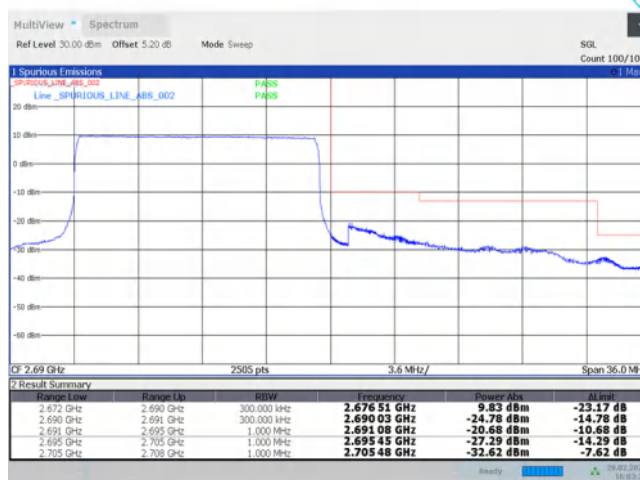
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Band41-15MHz-QPSK-41515-1RB#74



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Band41-15MHz-QPSK-41515-75RB#0



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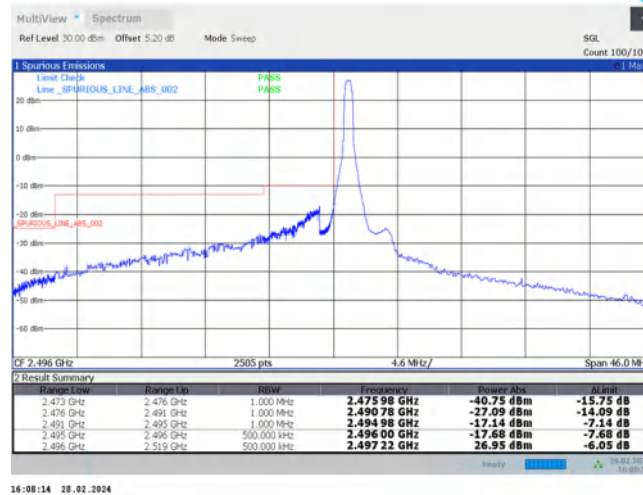
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Band41-20MHz-QPSK-39750-1RB#0



Band41-20MHz-QPSK-39750-100RB#0



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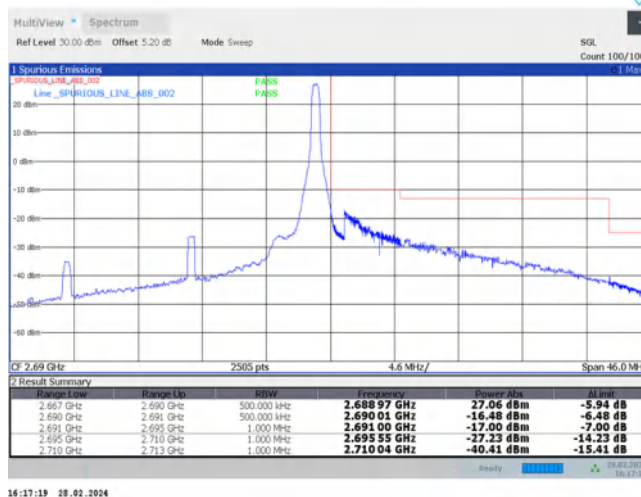
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Band41-20MHz-QPSK-41490-1RB#99



Band41-20MHz-QPSK-41490-100RB#0



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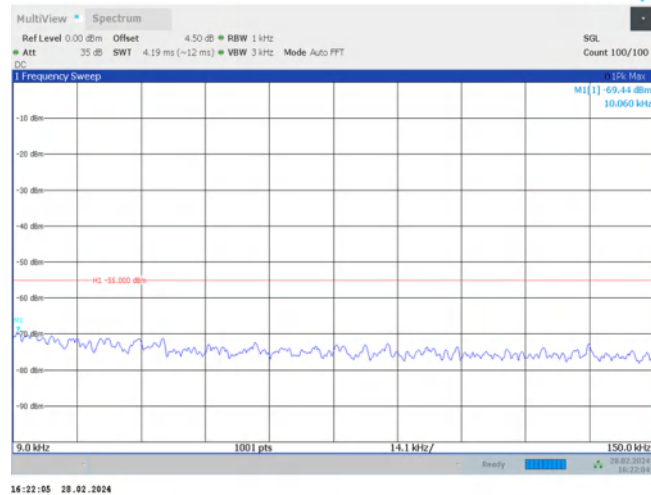
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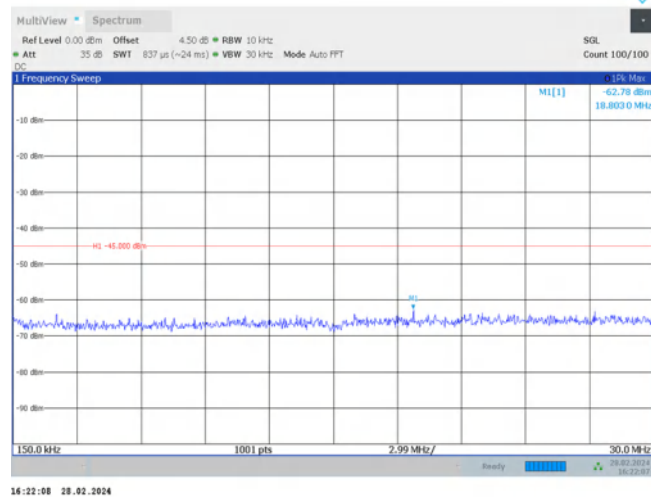
Conducted Spurious Emission

Test Graphs

Band41-20MHz-QPSK-39750-1RB#0-Range1:0.009~0.15MHz



Band41-20MHz-QPSK-39750-1RB#0-Range2:0.15~30MHz



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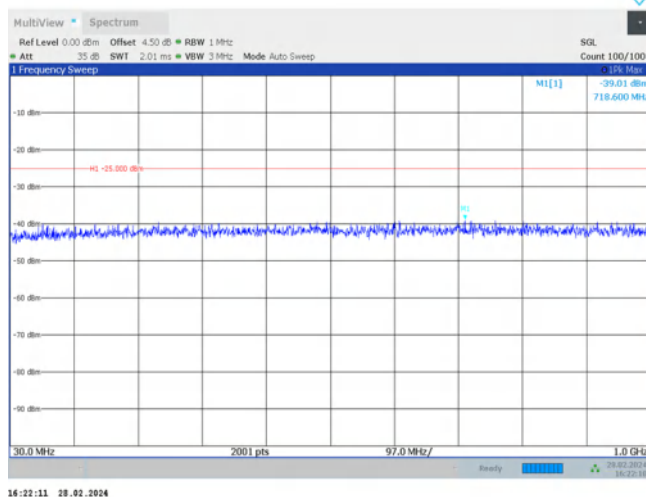
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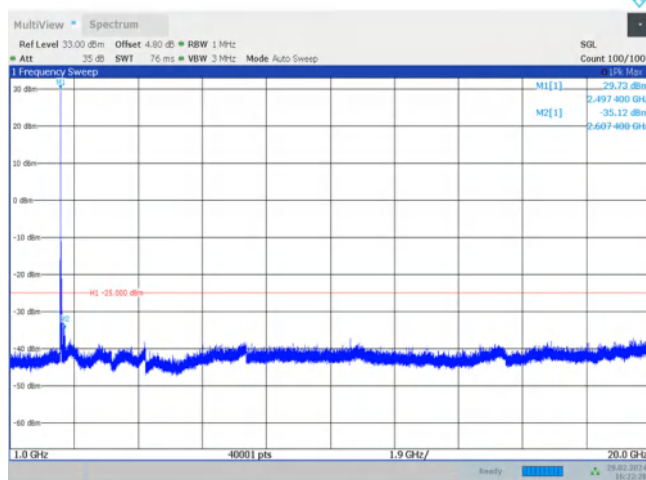
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Band41-20MHz-QPSK-39750-1RB#0-Range3:30~1000MHz



16:22:11 28.02.2024

Band41-20MHz-QPSK-39750-1RB#0-Range4:1000~20000MHz



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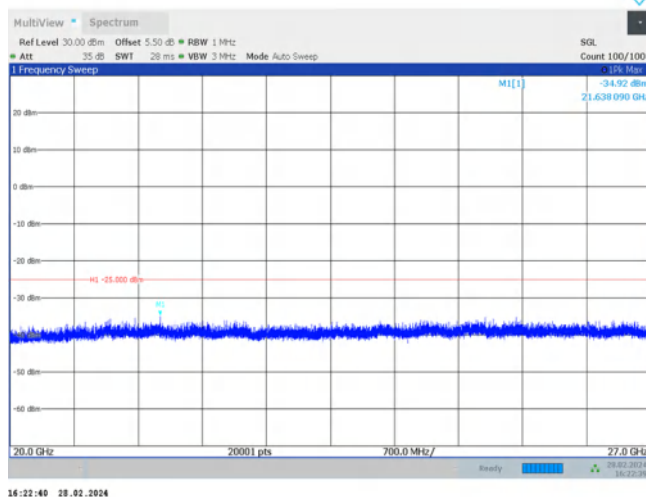
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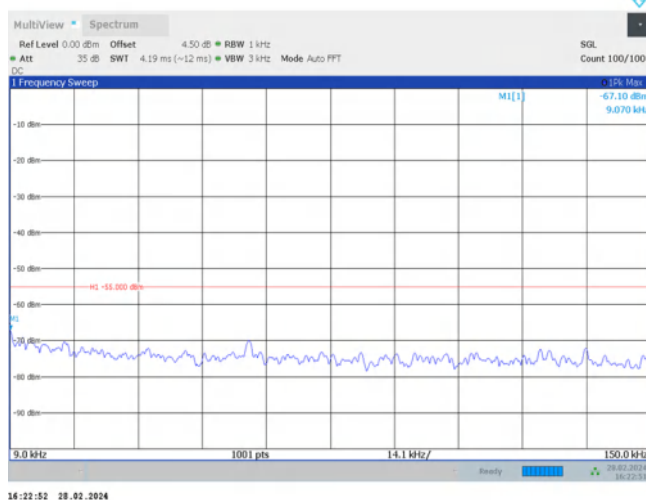
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Band41-20MHz-QPSK-39750-1RB#0-Range5:20000~27000MHz



Band41-20MHz-QPSK-40620-1RB#0-Range1:0.009~0.15MHz



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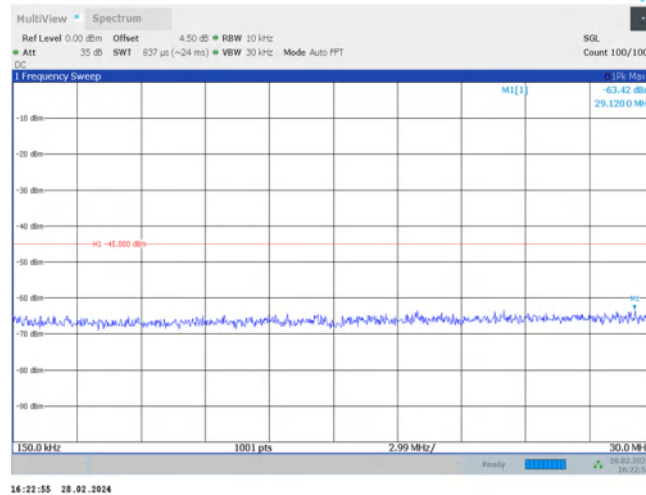
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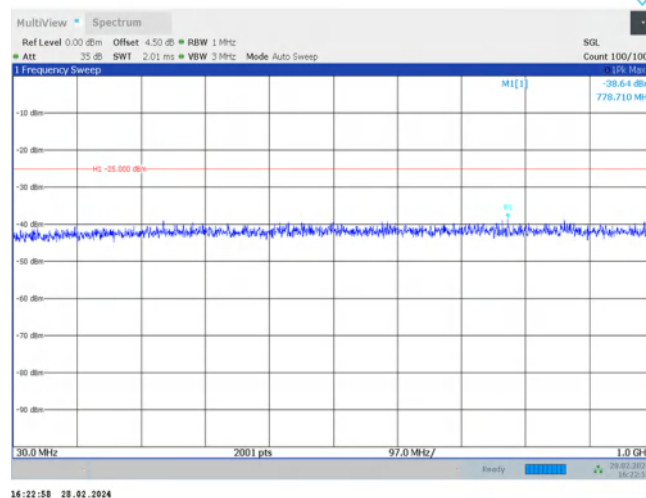
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Band41-20MHz-QPSK-40620-1RB#0-Range2:0.15~30MHz



Band41-20MHz-QPSK-40620-1RB#0-Range3:30~1000MHz



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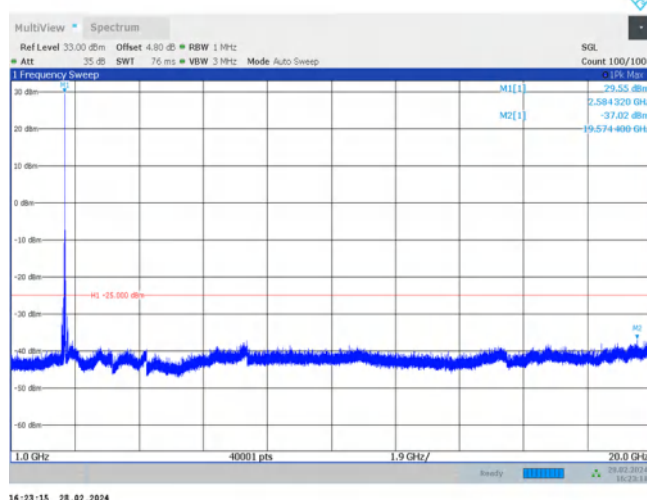
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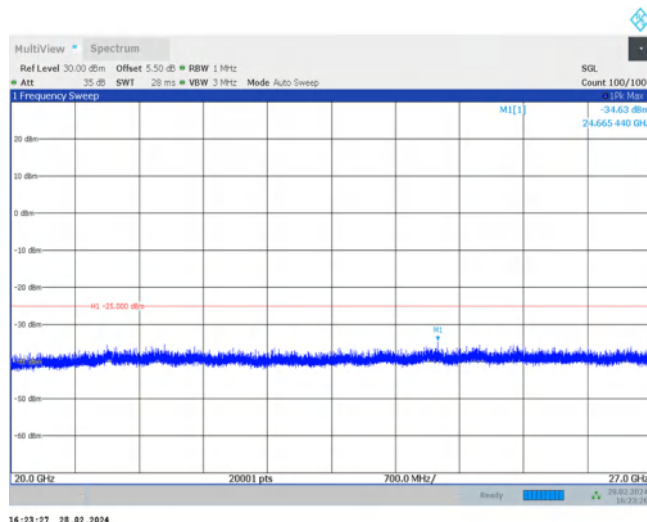
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Band41-20MHz-QPSK-40620-1RB#0-Range5:20000~27000MHz



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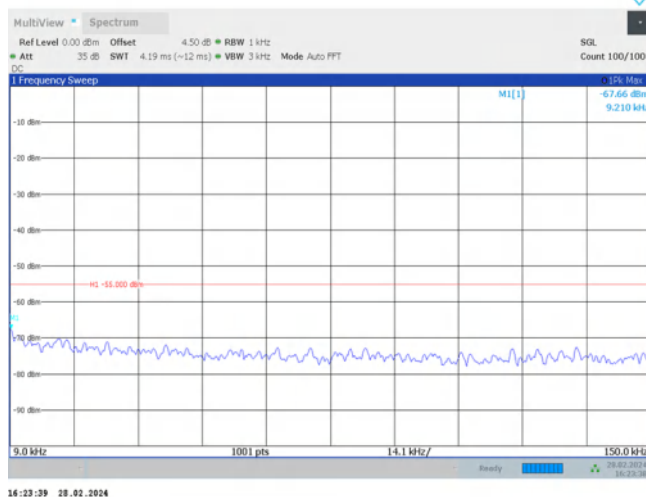
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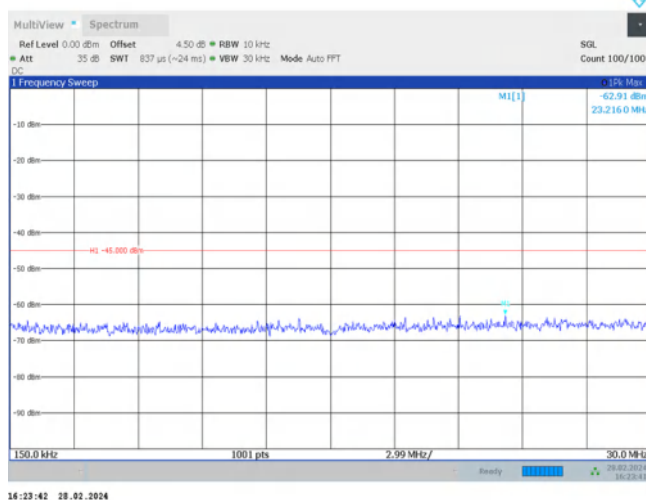
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Band41-20MHz-QPSK-41490-1RB#0-Range1:0.009~0.15MHz



Band41-20MHz-QPSK-41490-1RB#0-Range2:0.15~30MHz



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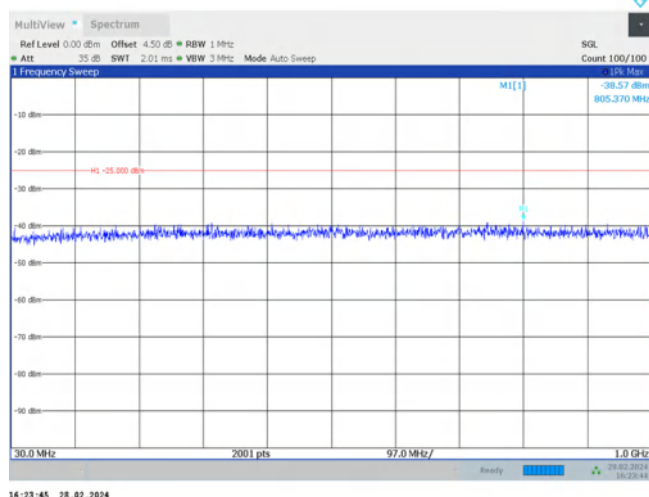
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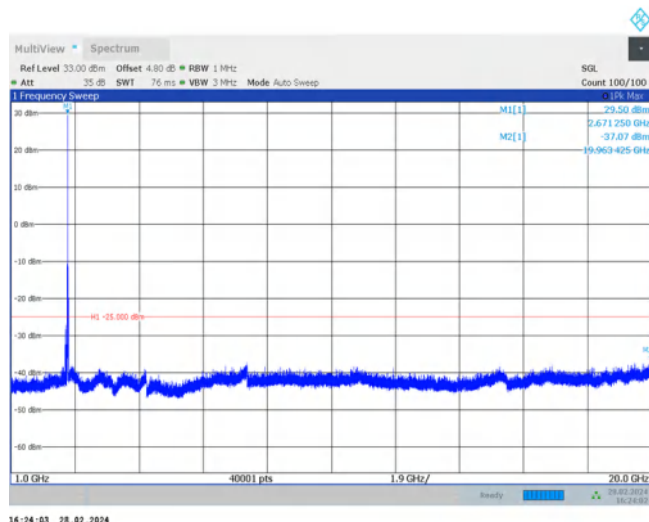
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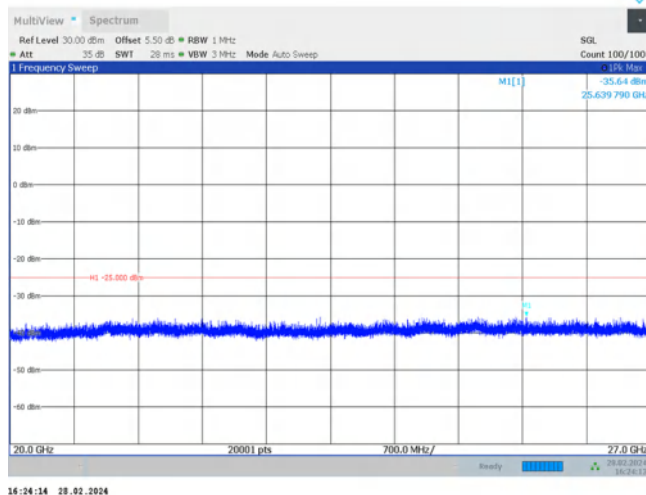
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Band41-20MHz-QPSK-41490-1RB#0-Range5:20000~27000MHz



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Field Strength of Spurious Radiation

Test Band = LTE_41
Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1489	35.31	-19.76	24.99	-54.72	-25.00	29.72	Horizontal
2	3895.5	47.84	-44.23	29.70	-61.95	-25.00	36.95	Horizontal
3	4994	63.80	-42.73	31.18	-43.01	-25.00	18.01	Horizontal
4	7491.5	57.75	-38.29	36.88	-38.92	-25.00	13.92	Horizontal
5	9988.5	50.33	-37.29	38.69	-43.53	-25.00	18.53	Horizontal
6	16403	41.79	-34.84	38.82	-49.49	-25.00	24.49	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1619.5	35.17	-19.18	25.26	-54.01	-25.00	29.01	Vertical
2	4994	73.66	-42.73	31.18	-33.15	-25.00	8.15	Vertical
3	7491.5	63.86	-38.29	36.88	-32.81	-25.00	7.81	Vertical
4	9988.5	48.20	-37.29	38.69	-45.66	-25.00	20.66	Vertical
5	12485.5	50.58	-39.61	39.12	-45.17	-25.00	20.17	Vertical
6	16483	42.21	-35.48	39.22	-49.31	-25.00	24.31	Vertical



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Test Band = LTE_41

Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1648.5	35.39	-18.92	25.49	-53.30	-25.00	28.30	Horizontal
2	5168	61.62	-42.54	31.84	-44.34	-25.00	19.34	Horizontal
3	7752.5	54.12	-37.74	36.41	-42.47	-25.00	17.47	Horizontal
4	10336.5	45.41	-37.30	39.14	-48.01	-25.00	23.01	Horizontal
5	12920.5	47.77	-39.01	38.88	-47.62	-25.00	22.62	Horizontal
6	17999	41.39	-43.05	48.18	-48.74	-25.00	23.74	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1482.5	35.40	-19.65	25.04	-54.47	-25.00	29.47	Vertical
2	5168.5	67.68	-42.54	31.84	-38.28	-25.00	13.28	Vertical
3	7752	58.49	-37.74	36.41	-38.10	-25.00	13.10	Vertical
4	10336	45.16	-37.30	39.14	-48.26	-25.00	23.26	Vertical
5	12920.5	53.96	-39.01	38.88	-41.43	-25.00	16.43	Vertical
6	17994.5	41.37	-43.08	48.10	-48.87	-25.00	23.87	Vertical



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Test Band = LTE_41
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1651.5	35.70	-18.91	25.49	-52.98	-25.00	27.98	Horizontal
2	5342	59.74	-42.18	32.15	-45.55	-25.00	20.55	Horizontal
3	8013.5	54.85	-37.28	36.43	-41.26	-25.00	16.26	Horizontal
4	10684.5	46.29	-37.76	39.47	-47.26	-25.00	22.26	Horizontal
5	13355.5	48.21	-38.57	39.73	-45.89	-25.00	20.89	Horizontal
6	17993	41.29	-43.10	48.07	-49.00	-25.00	24.00	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1650	35.20	-18.88	25.50	-53.44	-25.00	28.44	Vertical
2	5342	67.50	-42.18	32.15	-37.79	-25.00	12.79	Vertical
3	8013	59.83	-37.28	36.43	-36.28	-25.00	11.28	Vertical
4	10684.5	50.00	-37.76	39.47	-43.55	-25.00	18.55	Vertical
5	13355.5	51.30	-38.57	39.73	-42.80	-25.00	17.80	Vertical
6	17996	41.50	-43.07	48.13	-48.70	-25.00	23.70	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
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	3.20	0.001234	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	2.70	0.001041	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	2.60	0.001003	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	3.10	0.001196	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	3.50	0.001350	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	2.90	0.001118	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	2.30	0.000887	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	1.40	0.000540	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	2.70	0.001041	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	2.70	0.001041	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	3.90	0.001504	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	2.80	0.001080	PASS

---End of Attachment---



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