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Appendix B.19

LTE Band 71



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Effective (Isotropic) Radiated Power Output Data

Test Result ANT7

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	24.44	23.51	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	24.43	23.5	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	24.32	23.39	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	23.61	22.68	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	24.56	23.63	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	24.58	23.65	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	24.44	23.51	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	23.43	22.5	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	24.36	23.43	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	24.48	23.55	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	24.45	23.52	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	23.53	22.6	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	23.57	22.64	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	23.67	22.74	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	23.35	22.42	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	22.61	21.68	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	23.65	22.72	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	23.62	22.69	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	23.50	22.57	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	22.50	21.57	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	23.70	22.77	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	23.81	22.88	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	23.56	22.63	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	22.46	21.53	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#0	22.56	21.63	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#12	22.55	21.62	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#24	22.53	21.6	34.77	PASS



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Band71	5MHz	64QAM	133147	25RB#0	21.55	20.62	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#0	22.71	21.78	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#12	22.73	21.8	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#24	22.48	21.55	34.77	PASS
Band71	5MHz	64QAM	133297	25RB#0	21.45	20.52	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#0	22.46	21.53	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#12	22.58	21.65	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#24	22.54	21.61	34.77	PASS
Band71	5MHz	64QAM	133447	25RB#0	21.56	20.63	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#0	19.54	18.61	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#12	19.62	18.69	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#24	19.26	18.33	34.77	PASS
Band71	5MHz	256QAM	133147	25RB#0	19.55	18.62	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#0	19.49	18.56	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#12	19.70	18.77	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#24	19.39	18.46	34.77	PASS
Band71	5MHz	256QAM	133297	25RB#0	19.53	18.6	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#0	19.50	18.57	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#12	19.66	18.73	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#24	19.52	18.59	34.77	PASS
Band71	5MHz	256QAM	133447	25RB#0	19.44	18.51	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	24.49	23.56	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	24.76	23.83	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	24.24	23.31	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	23.51	22.58	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	24.59	23.66	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	24.53	23.6	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	24.34	23.41	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	23.46	22.53	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	24.65	23.72	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	24.38	23.45	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	24.27	23.34	34.77	PASS



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Band71	10MHz	QPSK	133422	50RB#0	23.53	22.6	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#0	23.50	22.57	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#24	23.71	22.78	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	23.51	22.58	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	22.54	21.61	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	23.68	22.75	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	23.56	22.63	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#49	23.47	22.54	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	22.48	21.55	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	23.67	22.74	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	23.59	22.66	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	23.68	22.75	34.77	PASS
Band71	10MHz	16QAM	133422	50RB#0	22.52	21.59	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#0	22.78	21.85	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#24	22.66	21.73	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#49	22.70	21.77	34.77	PASS
Band71	10MHz	64QAM	133172	50RB#0	21.52	20.59	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#0	22.65	21.72	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#24	22.76	21.83	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#49	22.49	21.56	34.77	PASS
Band71	10MHz	64QAM	133297	50RB#0	21.52	20.59	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#0	22.62	21.69	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#24	22.65	21.72	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#49	22.59	21.66	34.77	PASS
Band71	10MHz	64QAM	133422	50RB#0	21.59	20.66	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#0	19.57	18.64	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#24	19.56	18.63	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#49	19.71	18.78	34.77	PASS
Band71	10MHz	256QAM	133172	50RB#0	19.58	18.65	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#0	19.62	18.69	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#24	19.63	18.7	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#49	19.56	18.63	34.77	PASS



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Band71	10MHz	256QAM	133422	1RB#0	19.69	18.76	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#24	19.60	18.67	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#49	19.57	18.64	34.77	PASS
Band71	10MHz	256QAM	133422	50RB#0	19.49	18.56	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	24.51	23.58	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#38	24.33	23.4	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	24.38	23.45	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	23.58	22.65	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	24.62	23.69	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	24.47	23.54	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	24.36	23.43	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	23.57	22.64	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	24.58	23.65	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	24.47	23.54	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	24.36	23.43	34.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	23.59	22.66	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	23.45	22.52	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	23.56	22.63	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	23.34	22.41	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	22.54	21.61	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	23.78	22.85	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	23.58	22.65	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	23.58	22.65	34.77	PASS
Band71	15MHz	16QAM	133297	75RB#0	22.47	21.54	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	23.68	22.75	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	23.55	22.62	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	23.48	22.55	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	22.57	21.64	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#0	22.70	21.77	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#38	22.49	21.56	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#74	22.54	21.61	34.77	PASS



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Band71	15MHz	64QAM	133297	1RB#0	22.63	21.7	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#38	22.75	21.82	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#74	22.73	21.8	34.77	PASS
Band71	15MHz	64QAM	133297	75RB#0	21.52	20.59	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#0	22.66	21.73	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#38	22.94	22.01	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#74	22.52	21.59	34.77	PASS
Band71	15MHz	64QAM	133397	75RB#0	21.62	20.69	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#0	19.48	18.55	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#38	19.62	18.69	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#74	19.78	18.85	34.77	PASS
Band71	15MHz	256QAM	133197	75RB#0	19.59	18.66	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#0	19.52	18.59	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#38	19.55	18.62	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#74	19.55	18.62	34.77	PASS
Band71	15MHz	256QAM	133297	75RB#0	19.42	18.49	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#0	19.36	18.43	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#38	19.59	18.66	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#74	19.64	18.71	34.77	PASS
Band71	15MHz	256QAM	133397	75RB#0	19.52	18.59	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	24.34	23.41	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	24.50	23.57	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	24.62	23.69	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	23.58	22.65	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	24.35	23.42	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	24.45	23.52	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	24.32	23.39	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	23.58	22.65	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	24.	23.07	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	24.59	23.66	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	24.39	23.46	34.77	PASS



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Band71	20MHz	QPSK	133372	100RB#0	23.45	22.52	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	23.43	22.5	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	23.69	22.76	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	23.53	22.6	34.77	PASS
Band71	20MHz	16QAM	133222	100RB#0	22.64	21.71	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	23.68	22.75	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	23.58	22.65	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	23.44	22.51	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	22.55	21.62	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	23.56	22.63	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	23.76	22.83	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	23.69	22.76	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	22.44	21.51	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#0	22.65	21.72	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#49	22.60	21.67	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#99	22.35	21.42	34.77	PASS
Band71	20MHz	64QAM	133222	100RB#0	21.50	20.57	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#0	22.82	21.89	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#49	22.66	21.73	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#99	22.51	21.58	34.77	PASS
Band71	20MHz	64QAM	133322	100RB#0	21.56	20.63	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#0	22.63	21.7	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#49	22.82	21.89	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#99	22.58	21.65	34.77	PASS
Band71	20MHz	64QAM	133372	100RB#0	21.44	20.51	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#0	19.70	18.77	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#49	19.53	18.6	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#99	19.36	18.43	34.77	PASS
Band71	20MHz	256QAM	133222	100RB#0	19.58	18.65	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#0	19.69	18.76	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#49	19.61	18.68	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#99	19.61	18.68	34.77	PASS



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Band71	20MHz	256QAM	133322	100RB#0	19.58	18.65	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#0	19.70	18.77	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#49	19.46	18.53	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#99	19.61	18.68	34.77	PASS
Band71	20MHz	256QAM	133372	100RB#0	19.49	18.56	34.77	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	4.04	13	PASS
Band71	5MHz	QPSK	133147	25RB#0	4.66	13	PASS
Band71	5MHz	QPSK	133297	1RB#0	4.40	13	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.80	13	PASS
Band71	5MHz	QPSK	133447	1RB#0	4.48	13	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.78	13	PASS
Band71	5MHz	16QAM	133147	1RB#0	4.86	13	PASS
Band71	5MHz	16QAM	133147	25RB#0	5.74	13	PASS
Band71	5MHz	16QAM	133297	1RB#0	5.16	13	PASS
Band71	5MHz	16QAM	133297	25RB#0	5.86	13	PASS
Band71	5MHz	16QAM	133447	1RB#0	5.34	13	PASS
Band71	5MHz	16QAM	133447	25RB#0	5.94	13	PASS
Band71	5MHz	64QAM	133147	1RB#0	5.66	13	PASS
Band71	5MHz	64QAM	133147	25RB#0	6.44	13	PASS
Band71	5MHz	64QAM	133297	1RB#0	6.16	13	PASS
Band71	5MHz	64QAM	133297	25RB#0	6.68	13	PASS
Band71	5MHz	64QAM	133447	1RB#0	6.20	13	PASS
Band71	5MHz	64QAM	133447	25RB#0	6.74	13	PASS
Band71	5MHz	256QAM	133147	1RB#0	7.12	13	PASS
Band71	5MHz	256QAM	133147	25RB#0	6.88	13	PASS
Band71	5MHz	256QAM	133297	1RB#0	7.20	13	PASS
Band71	5MHz	256QAM	133297	25RB#0	7.00	13	PASS
Band71	5MHz	256QAM	133447	1RB#0	7.30	13	PASS
Band71	5MHz	256QAM	133447	25RB#0	7.04	13	PASS
Band71	10MHz	QPSK	133172	1RB#0	4.06	13	PASS
Band71	10MHz	QPSK	133172	50RB#0	4.88	13	PASS
Band71	10MHz	QPSK	133297	1RB#0	4.50	13	PASS
Band71	10MHz	QPSK	133297	50RB#0	4.84	13	PASS
Band71	10MHz	QPSK	133422	1RB#0	4.42	13	PASS



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Band71	10MHz	QPSK	133422	50RB#0	4.88	13	PASS
Band71	10MHz	16QAM	133172	1RB#0	4.84	13	PASS
Band71	10MHz	16QAM	133172	50RB#0	5.90	13	PASS
Band71	10MHz	16QAM	133297	1RB#0	5.26	13	PASS
Band71	10MHz	16QAM	133297	50RB#0	5.88	13	PASS
Band71	10MHz	16QAM	133422	1RB#0	5.18	13	PASS
Band71	10MHz	16QAM	133422	50RB#0	6.02	13	PASS
Band71	10MHz	64QAM	133172	1RB#0	5.94	13	PASS
Band71	10MHz	64QAM	133172	50RB#0	6.52	13	PASS
Band71	10MHz	64QAM	133297	1RB#0	6.42	13	PASS
Band71	10MHz	64QAM	133297	50RB#0	6.60	13	PASS
Band71	10MHz	64QAM	133422	1RB#0	6.36	13	PASS
Band71	10MHz	64QAM	133422	50RB#0	6.74	13	PASS
Band71	10MHz	256QAM	133172	1RB#0	7.12	13	PASS
Band71	10MHz	256QAM	133172	50RB#0	6.88	13	PASS
Band71	10MHz	256QAM	133297	1RB#0	7.20	13	PASS
Band71	10MHz	256QAM	133297	50RB#0	6.92	13	PASS
Band71	10MHz	256QAM	133422	1RB#0	7.06	13	PASS
Band71	10MHz	256QAM	133422	50RB#0	6.98	13	PASS
Band71	15MHz	QPSK	133197	1RB#0	4.00	13	PASS
Band71	15MHz	QPSK	133197	75RB#0	5.04	13	PASS
Band71	15MHz	QPSK	133297	1RB#0	4.48	13	PASS
Band71	15MHz	QPSK	133297	75RB#0	4.76	13	PASS
Band71	15MHz	QPSK	133397	1RB#0	4.20	13	PASS
Band71	15MHz	QPSK	133397	75RB#0	5.02	13	PASS
Band71	15MHz	16QAM	133197	1RB#0	4.46	13	PASS
Band71	15MHz	16QAM	133197	75RB#0	6.18	13	PASS
Band71	15MHz	16QAM	133297	1RB#0	4.70	13	PASS
Band71	15MHz	16QAM	133297	75RB#0	6.06	13	PASS
Band71	15MHz	16QAM	133397	1RB#0	4.70	13	PASS
Band71	15MHz	16QAM	133397	75RB#0	6.18	13	PASS
Band71	15MHz	64QAM	133197	1RB#0	5.78	13	PASS
Band71	15MHz	64QAM	133197	75RB#0	6.70	13	PASS
Band71	15MHz	64QAM	133297	1RB#0	6.20	13	PASS
Band71	15MHz	64QAM	133297	75RB#0	6.64	13	PASS
Band71	15MHz	64QAM	133397	1RB#0	6.04	13	PASS
Band71	15MHz	64QAM	133397	75RB#0	6.82	13	PASS



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Band71	15MHz	256QAM	133197	1RB#0	7.16	13	PASS
Band71	15MHz	256QAM	133197	75RB#0	6.82	13	PASS
Band71	15MHz	256QAM	133297	1RB#0	7.04	13	PASS
Band71	15MHz	256QAM	133297	75RB#0	6.84	13	PASS
Band71	15MHz	256QAM	133397	1RB#0	6.98	13	PASS
Band71	15MHz	256QAM	133397	75RB#0	6.96	13	PASS
Band71	20MHz	QPSK	133222	1RB#0	4.12	13	PASS
Band71	20MHz	QPSK	133222	100RB#0	5.08	13	PASS
Band71	20MHz	QPSK	133322	1RB#0	4.52	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	4.90	13	PASS
Band71	20MHz	QPSK	133372	1RB#0	4.54	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.02	13	PASS
Band71	20MHz	16QAM	133222	1RB#0	4.82	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.06	13	PASS
Band71	20MHz	16QAM	133322	1RB#0	5.18	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	5.96	13	PASS
Band71	20MHz	16QAM	133372	1RB#0	5.06	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.08	13	PASS
Band71	20MHz	64QAM	133222	1RB#0	5.90	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	6.64	13	PASS
Band71	20MHz	64QAM	133322	1RB#0	6.40	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	6.64	13	PASS
Band71	20MHz	64QAM	133372	1RB#0	6.22	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.70	13	PASS
Band71	20MHz	256QAM	133222	1RB#0	6.96	13	PASS
Band71	20MHz	256QAM	133222	100RB#0	6.88	13	PASS
Band71	20MHz	256QAM	133322	1RB#0	7.08	13	PASS
Band71	20MHz	256QAM	133322	100RB#0	6.80	13	PASS
Band71	20MHz	256QAM	133372	1RB#0	7.44	13	PASS
Band71	20MHz	256QAM	133372	100RB#0	6.86	13	PASS



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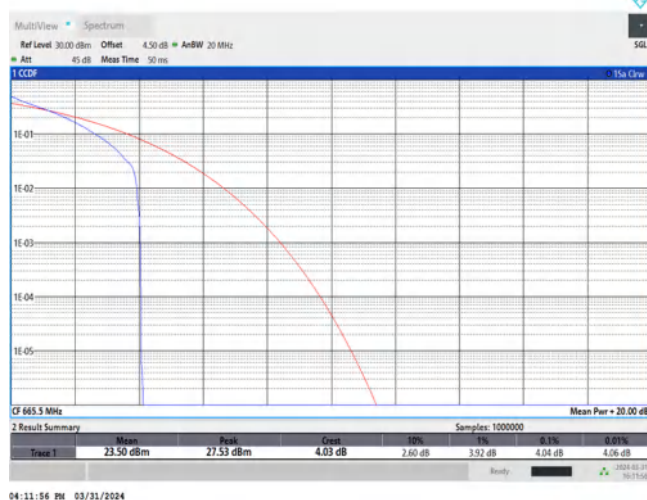
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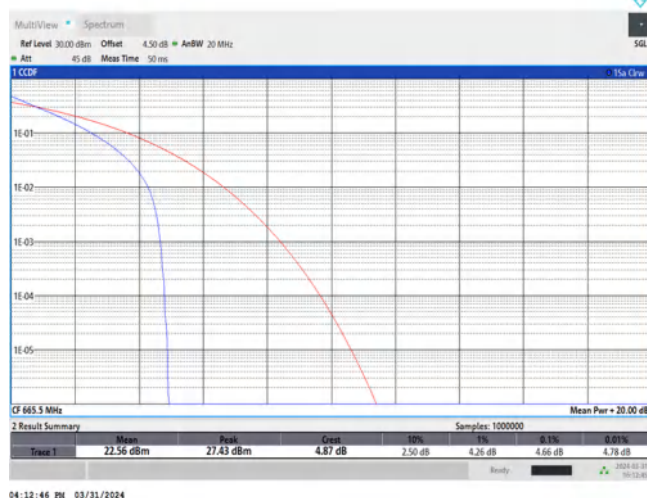
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Test Graphs

Band71-5MHz-QPSK-133147-1RB#0



Band71-5MHz-QPSK-133147-25RB#0



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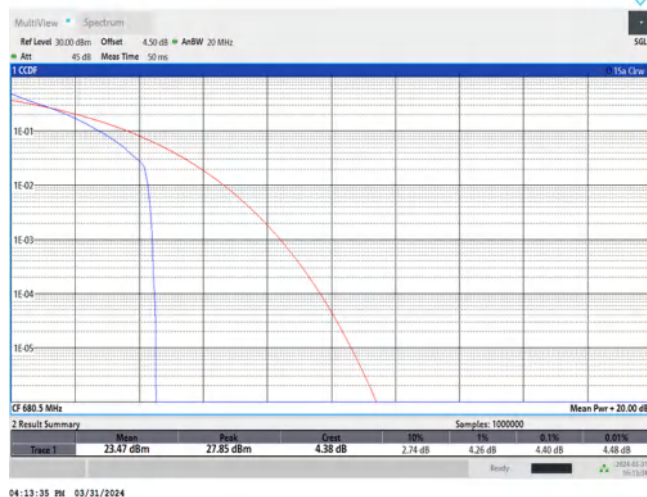
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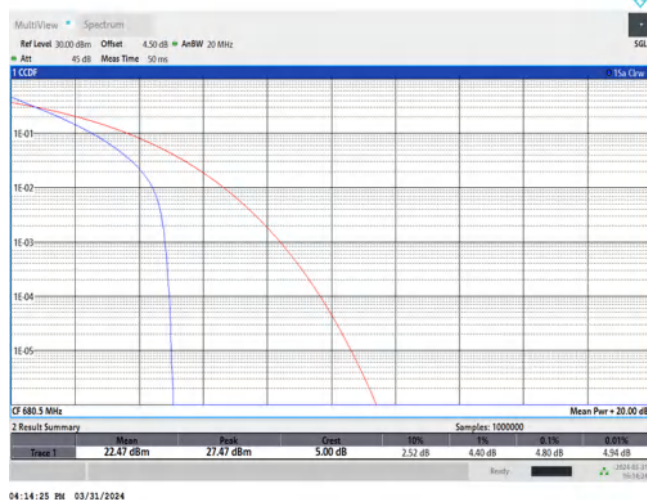
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Band71-5MHz-QPSK-133297-1RB#0



Band71-5MHz-QPSK-133297-25RB#0



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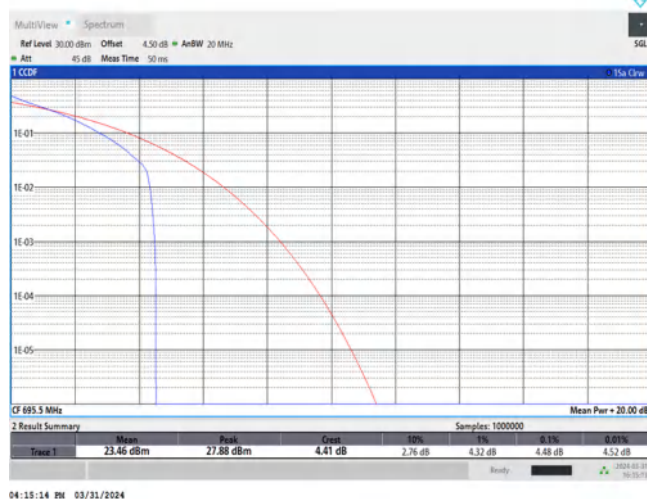
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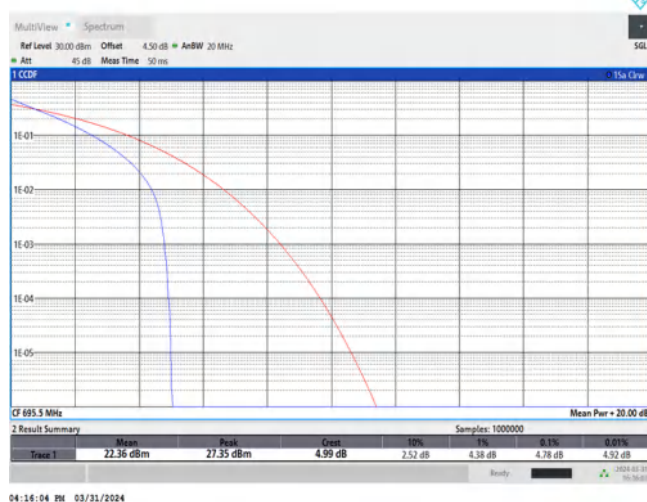
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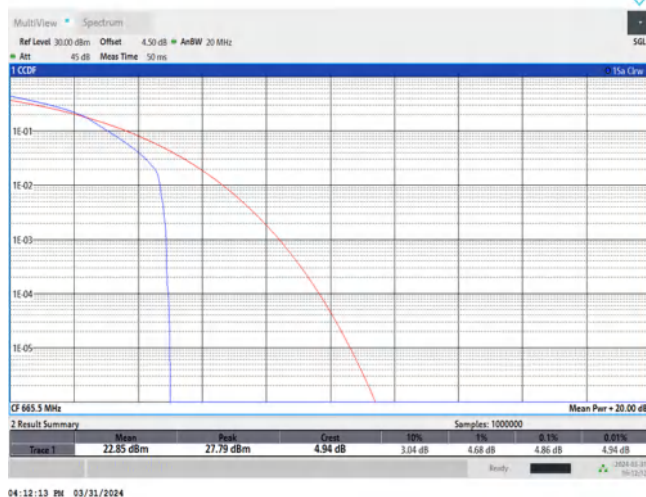
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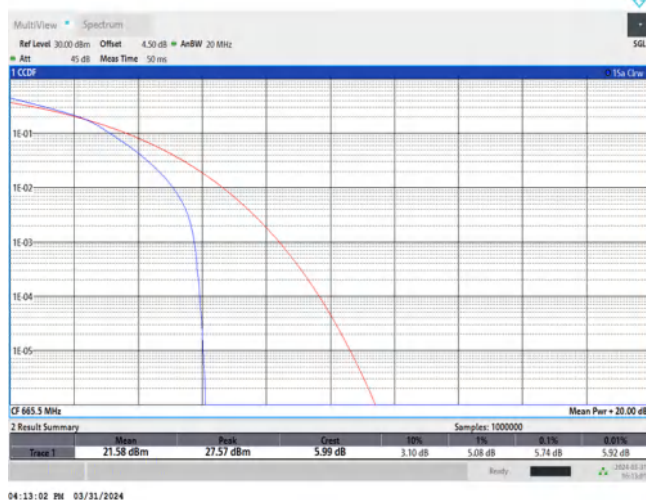
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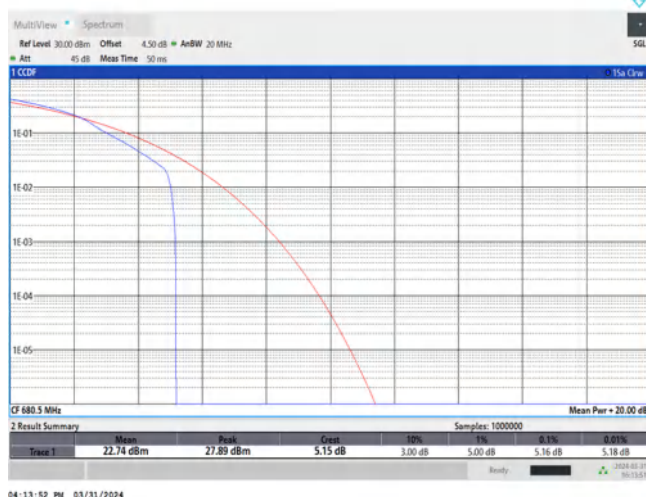
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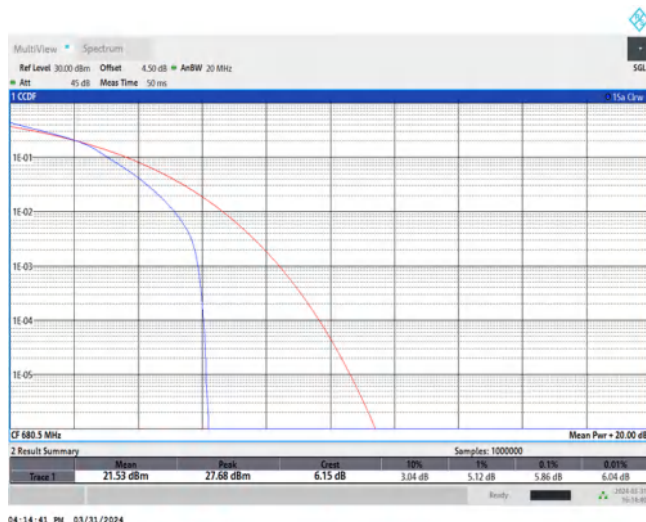
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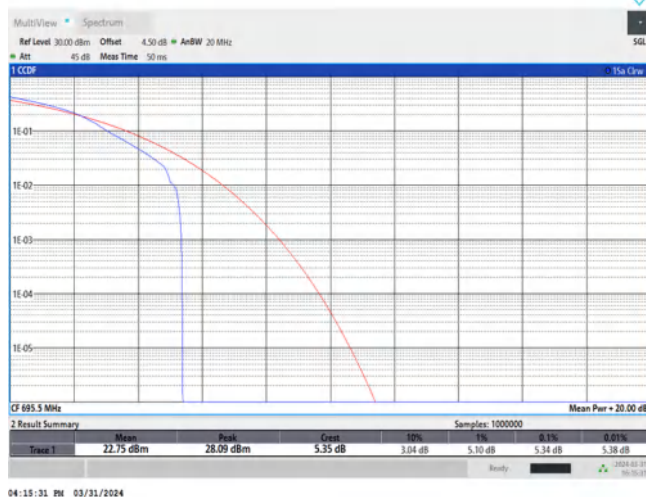
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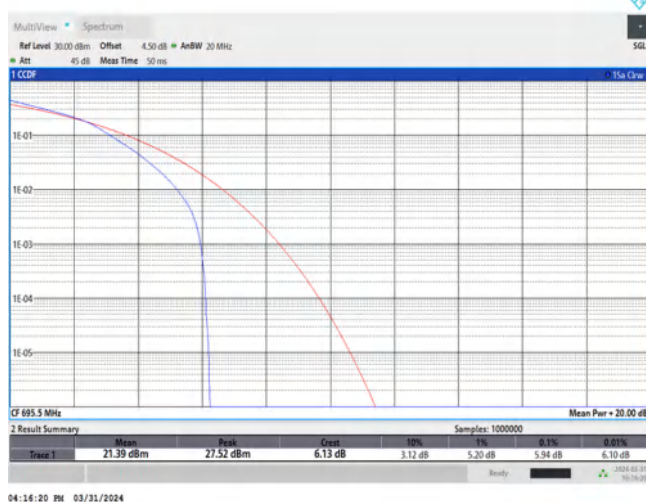
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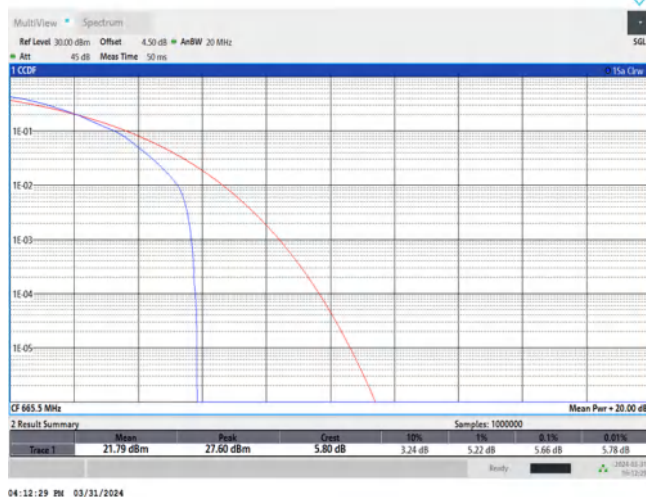
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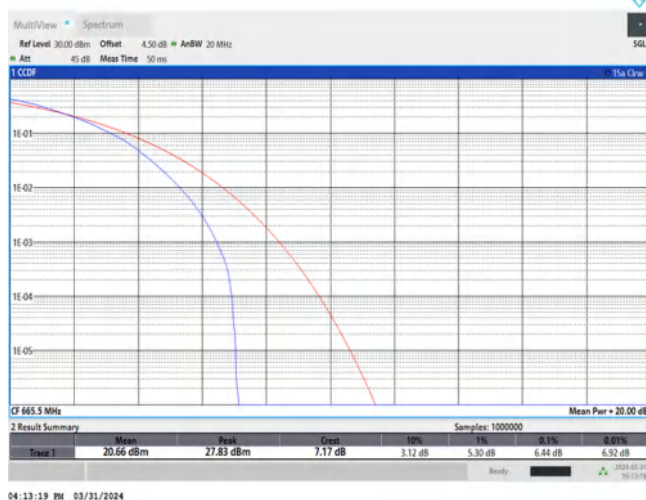
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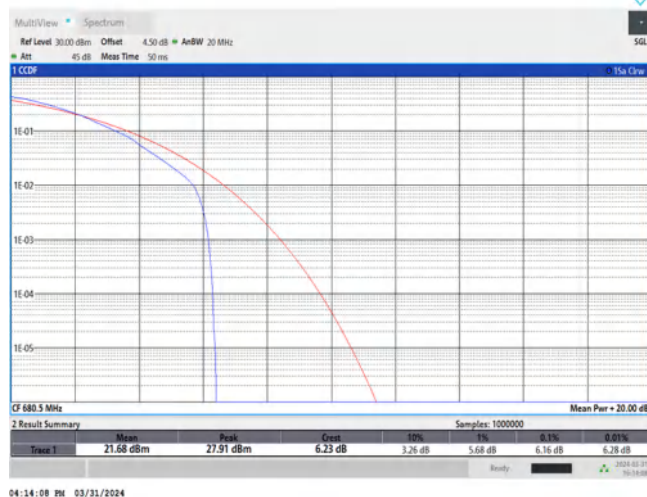
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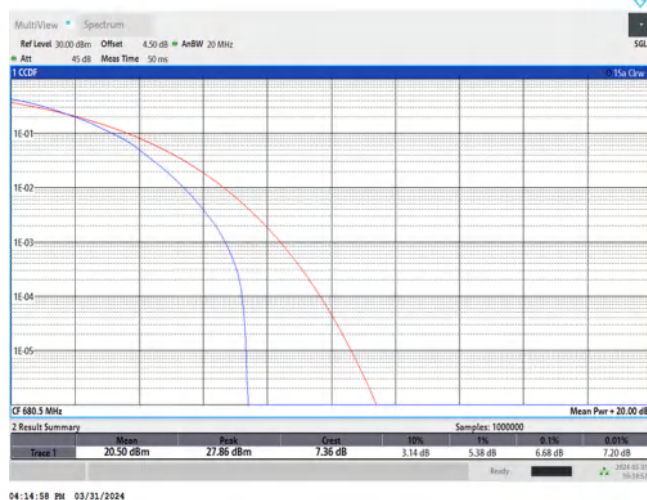
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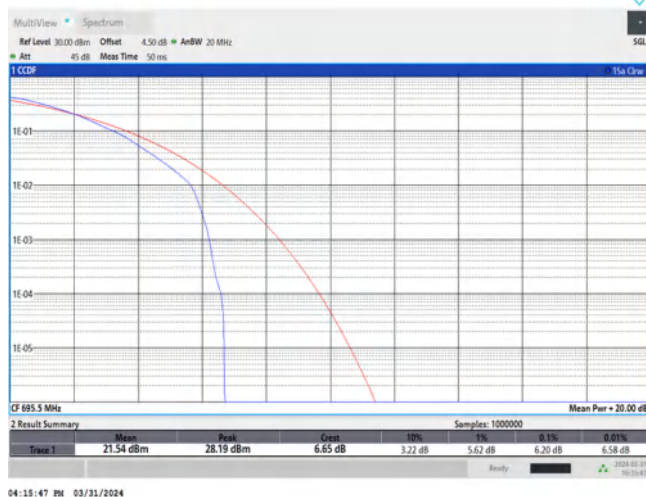
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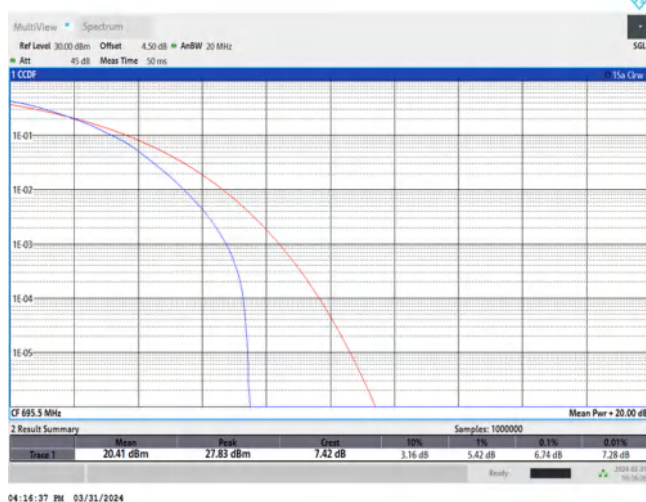
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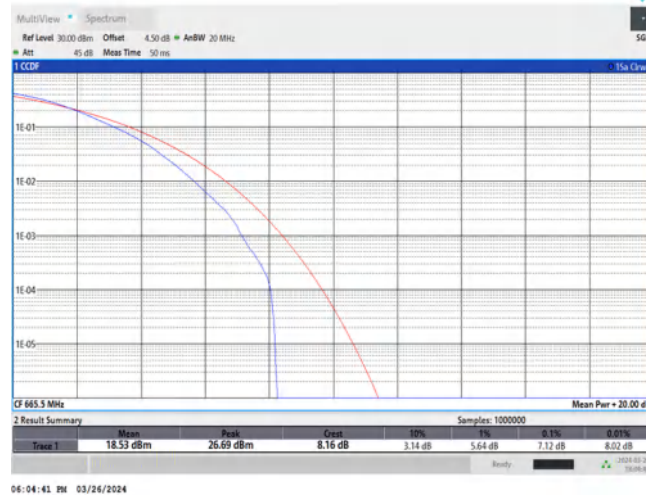
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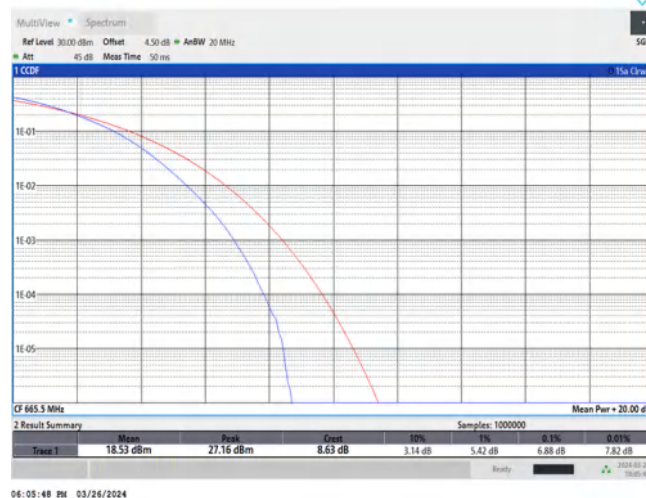
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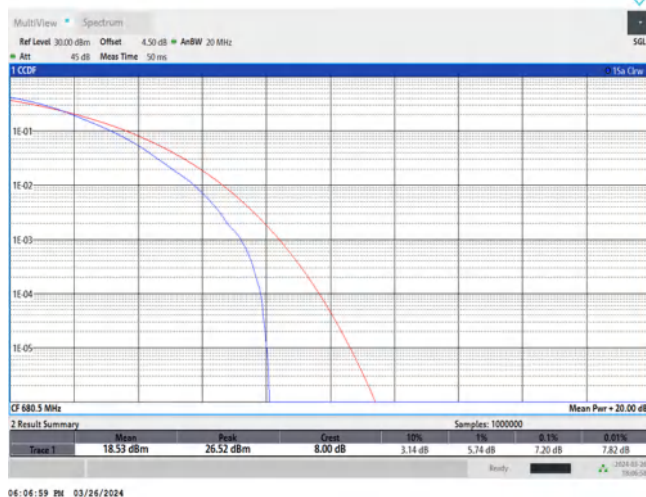
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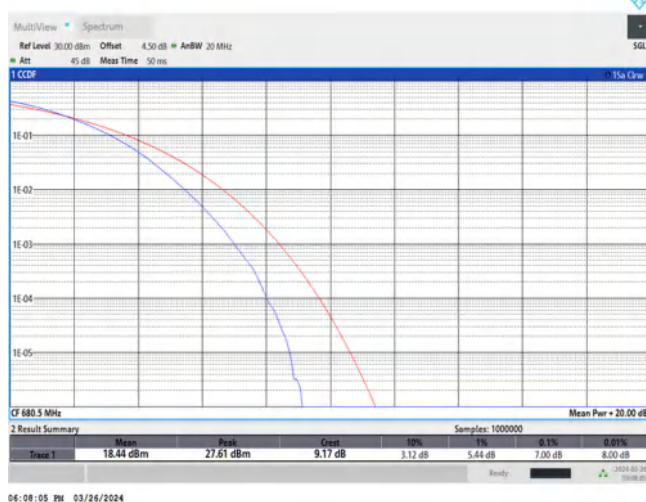
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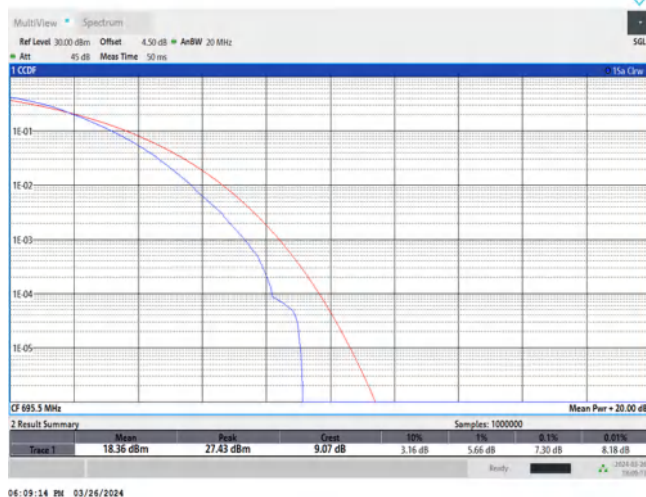
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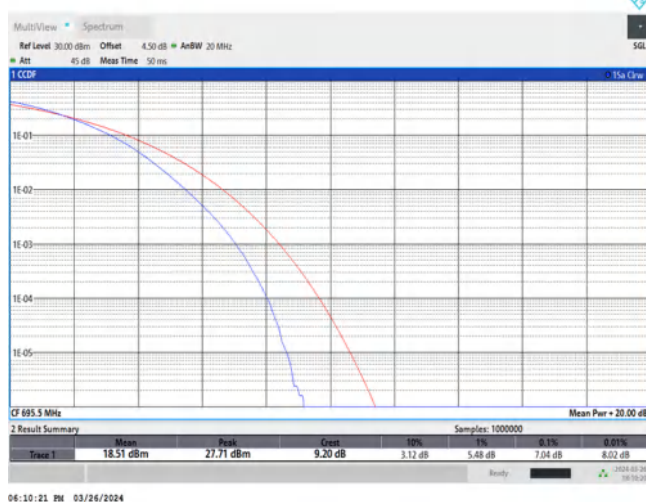
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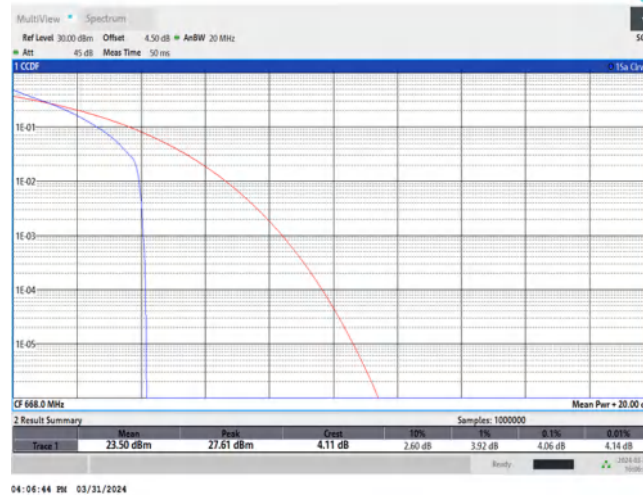
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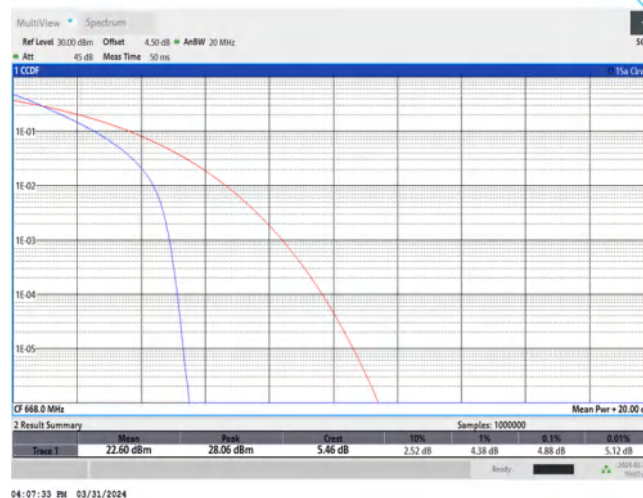
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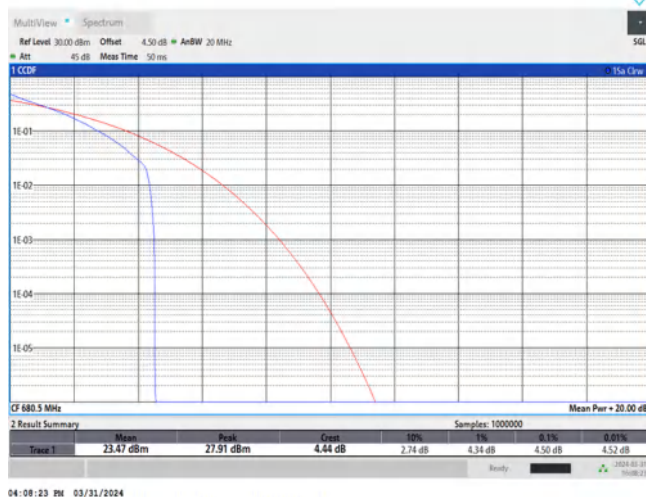
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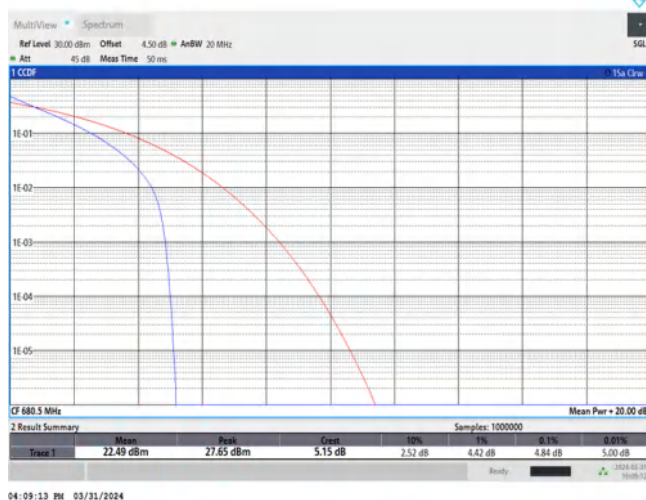
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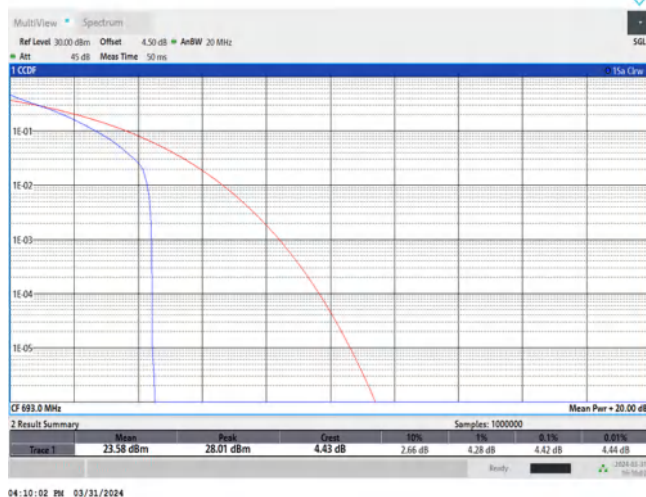
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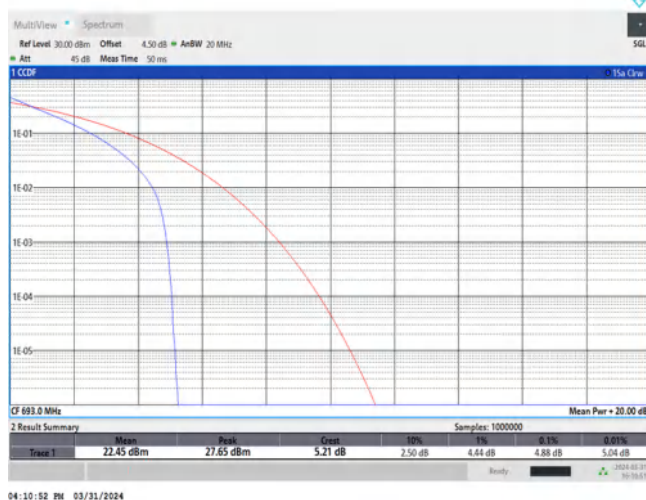
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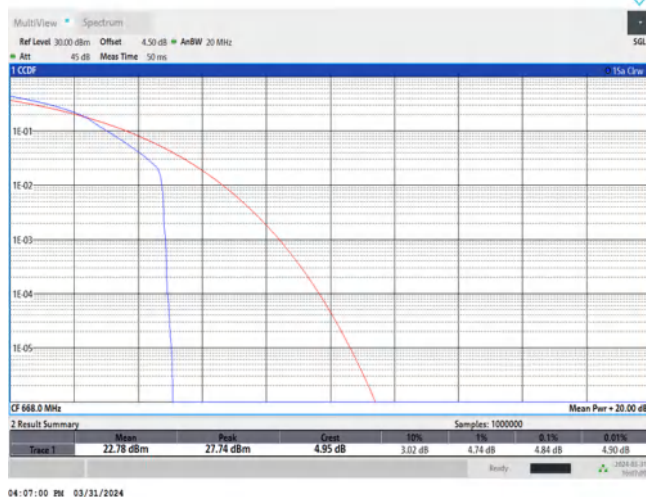
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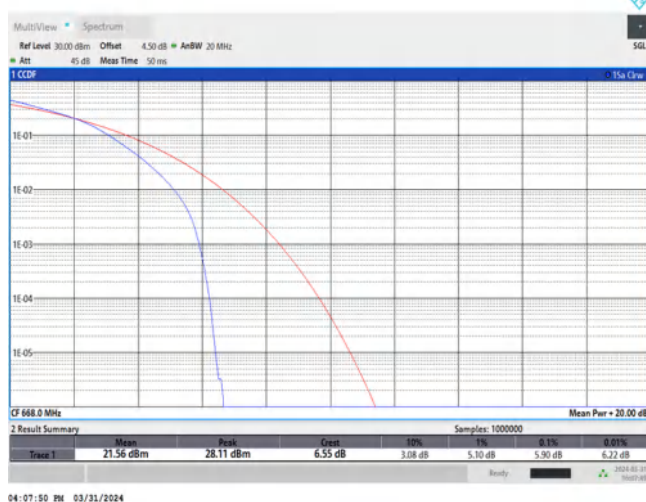
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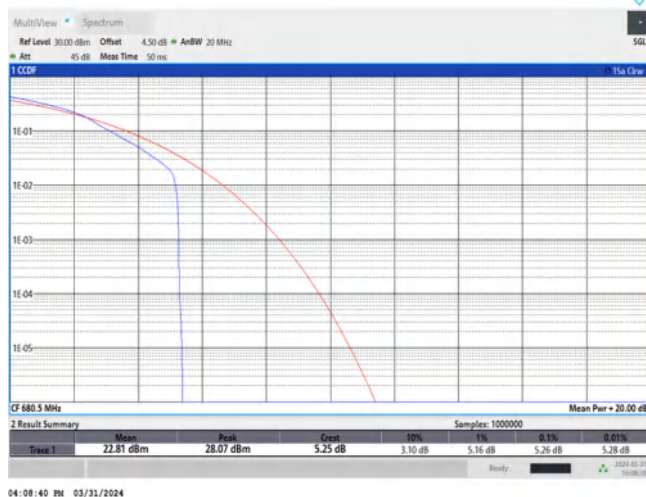
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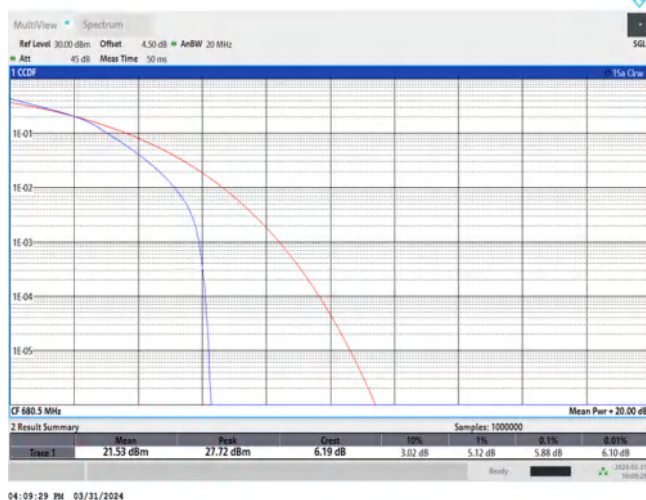
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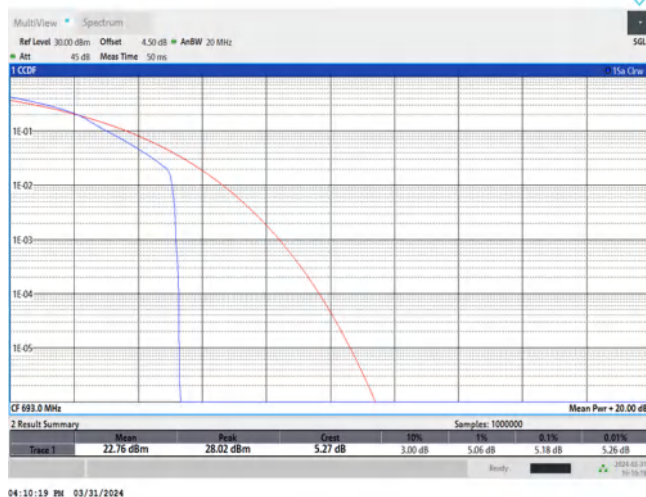
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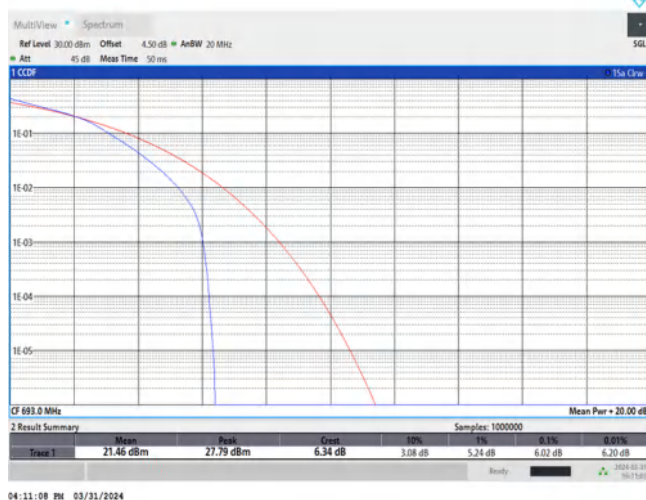
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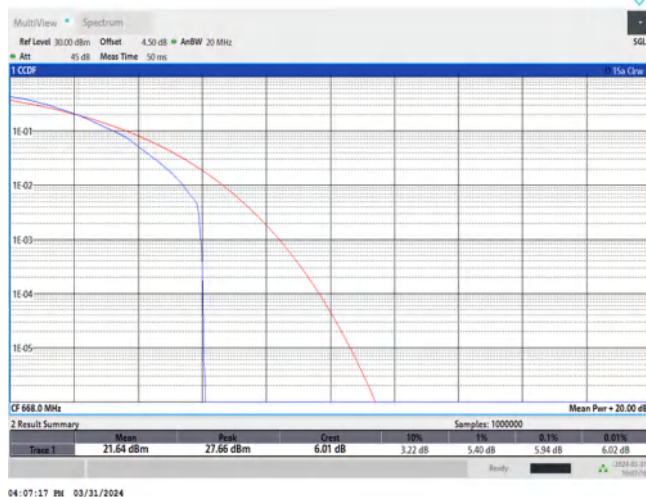
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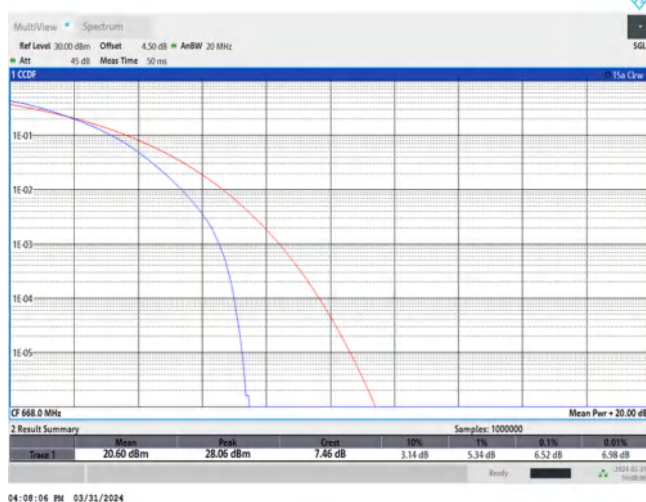
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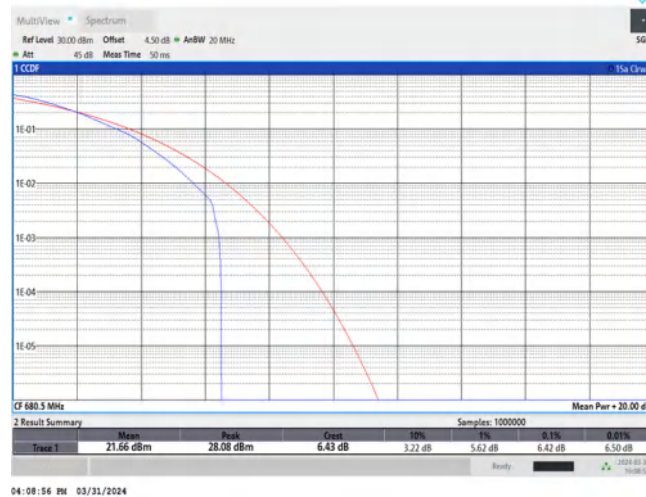
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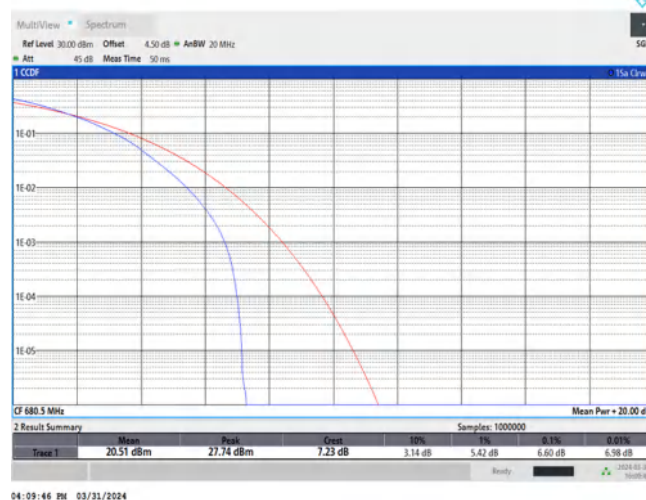
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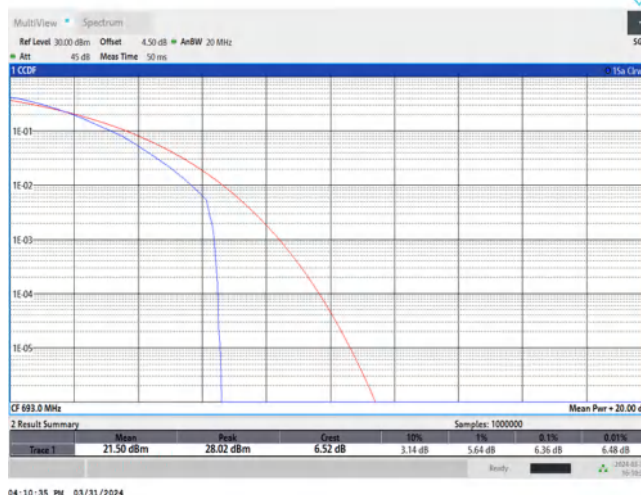
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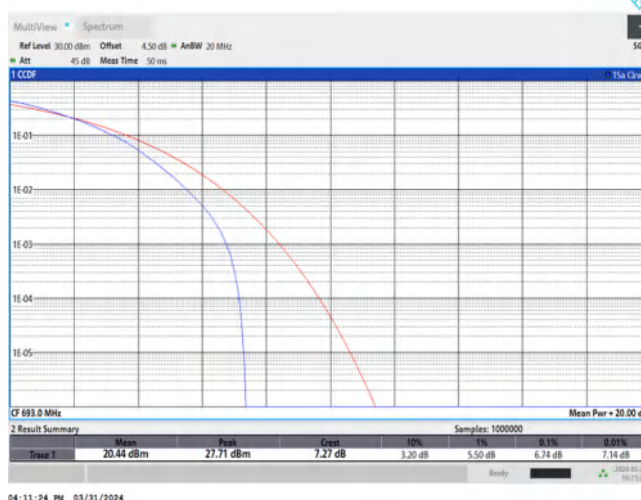
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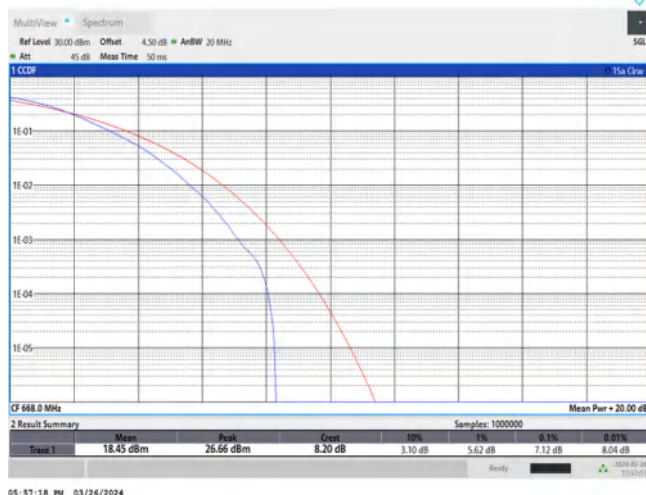
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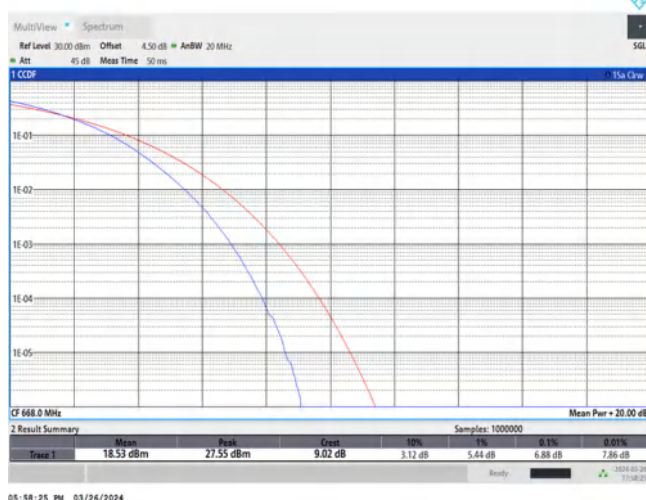
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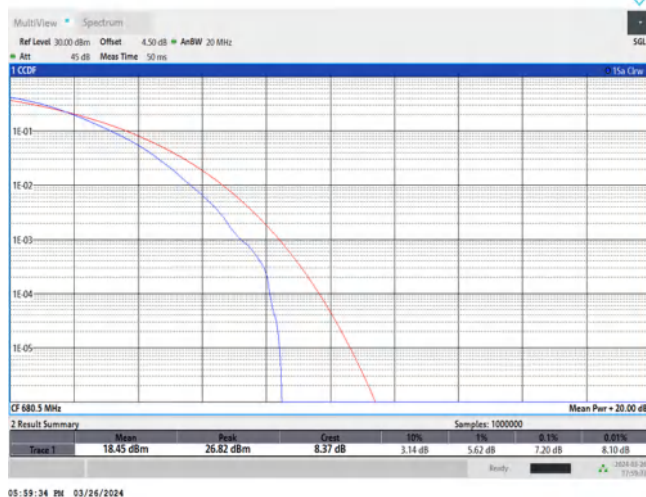
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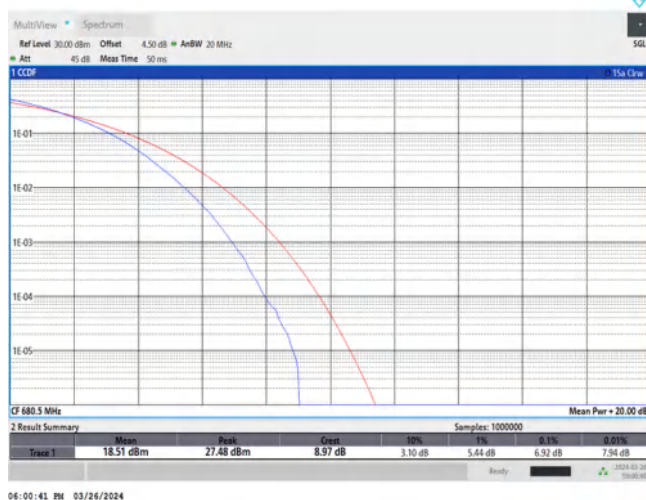
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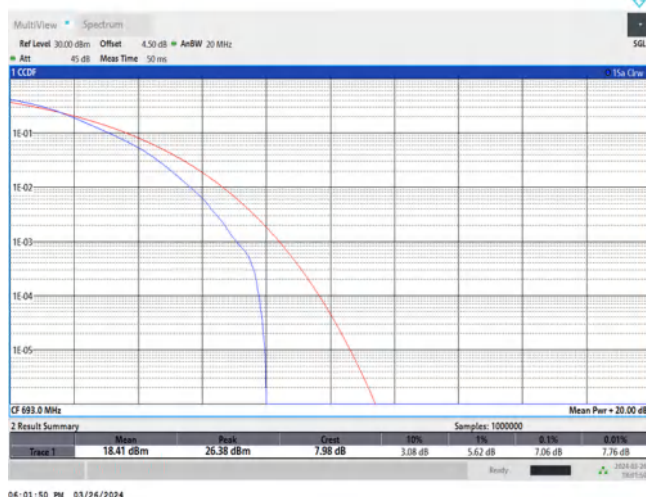
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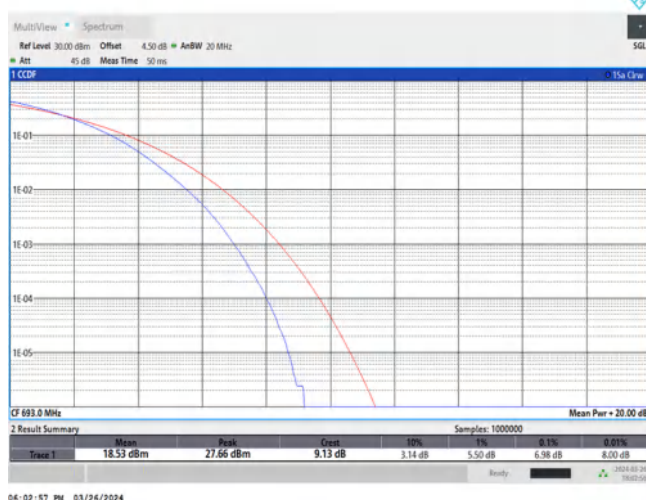
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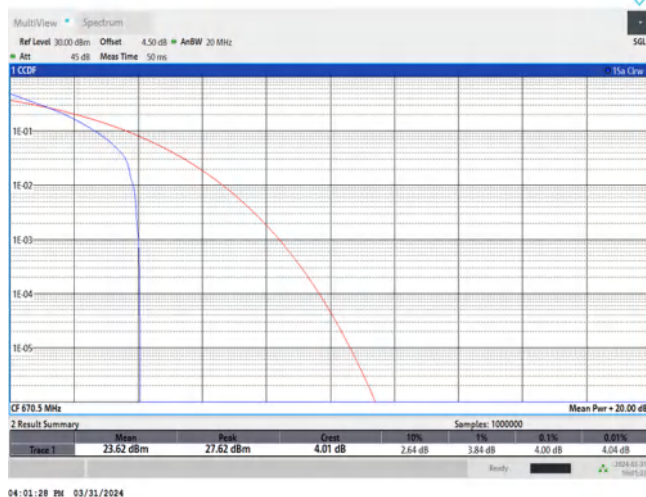
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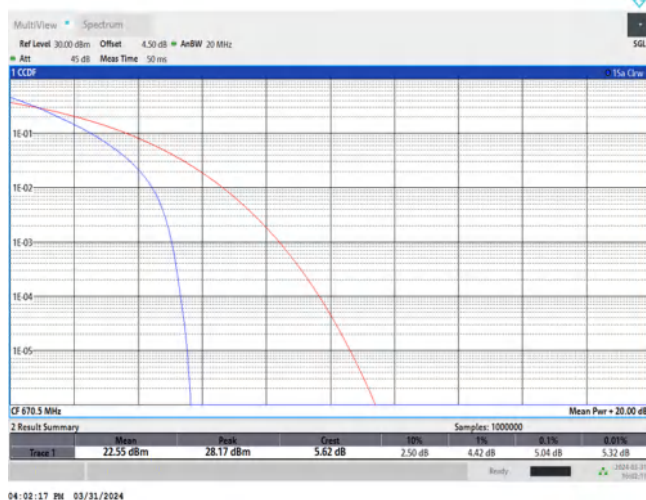
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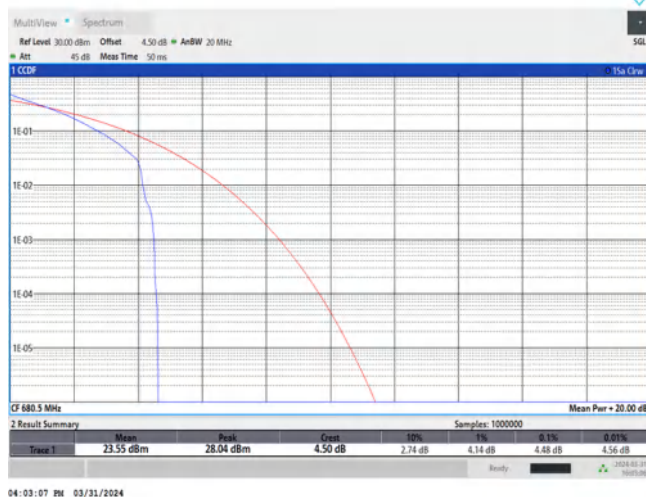
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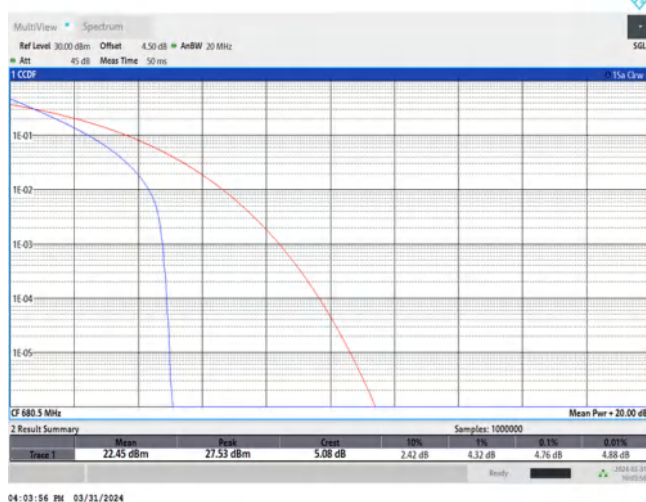
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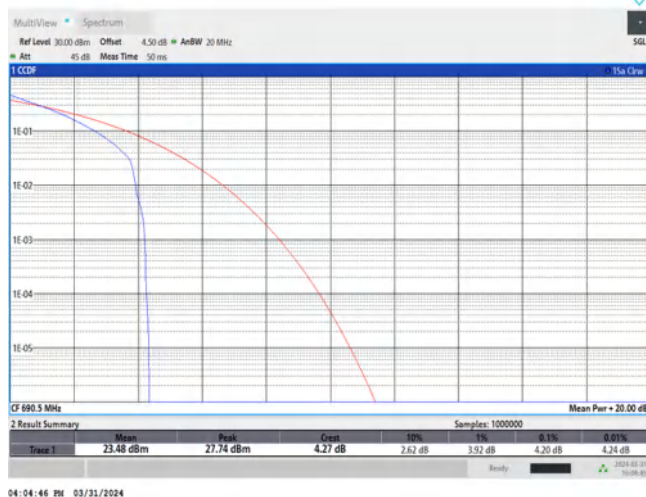
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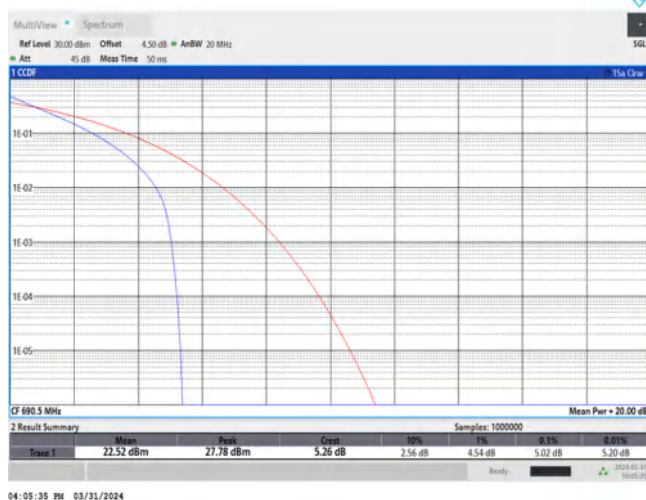
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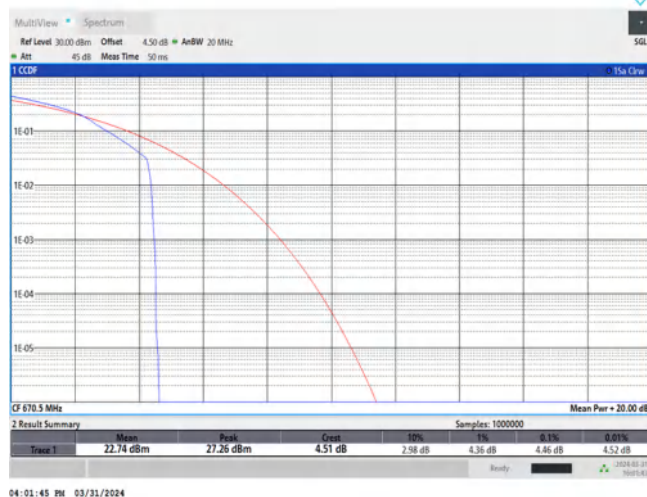
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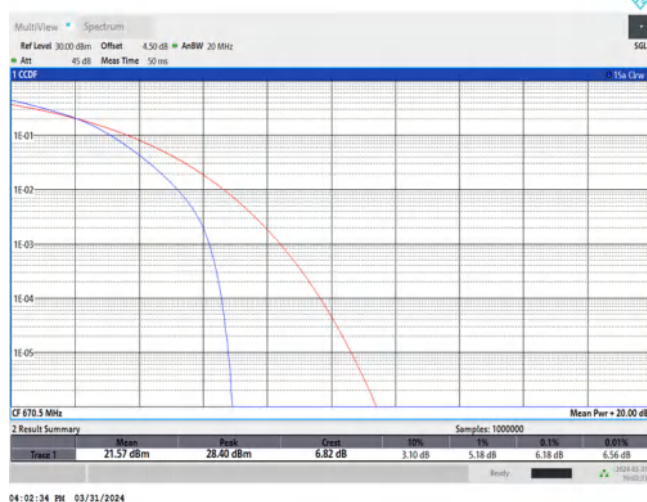
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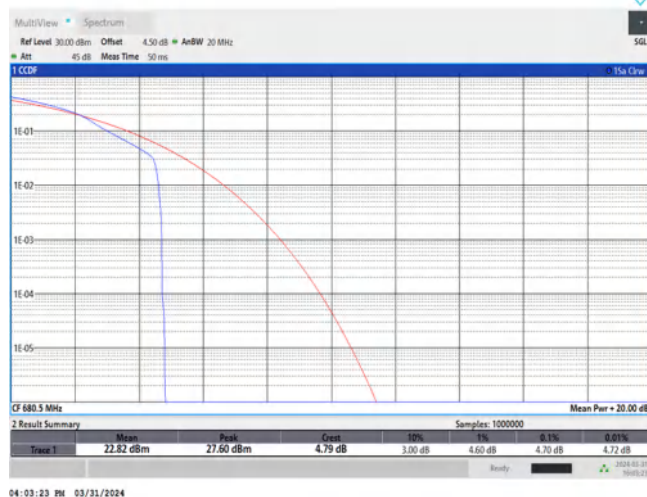
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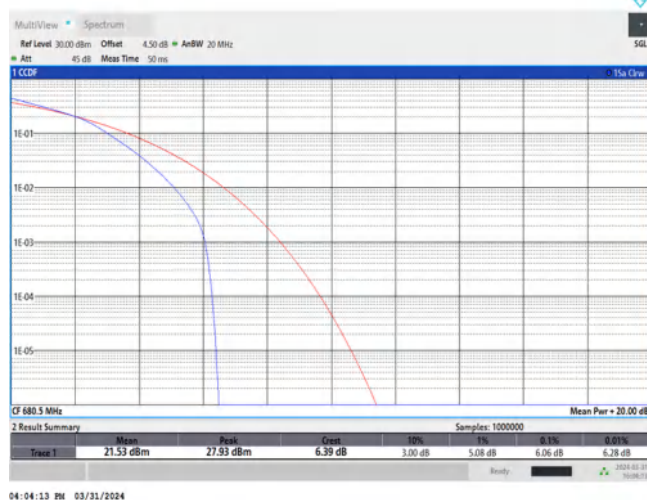
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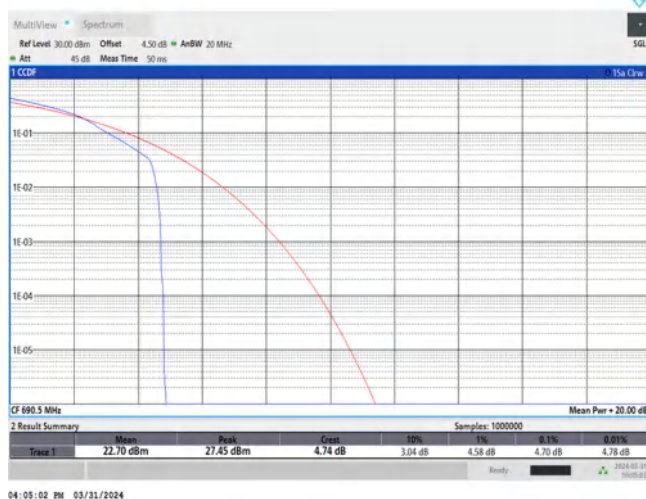
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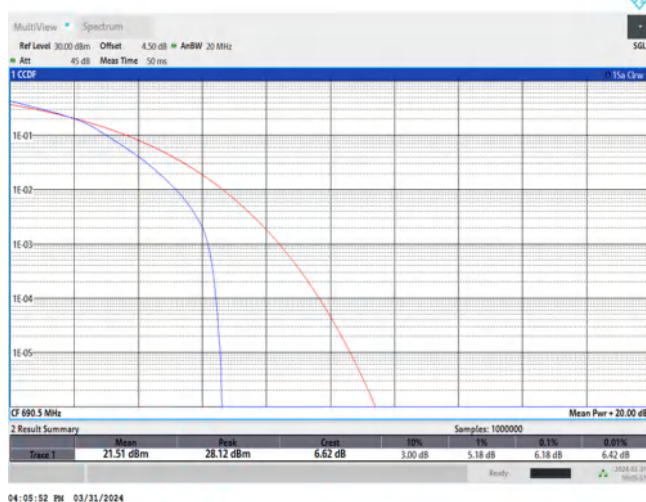
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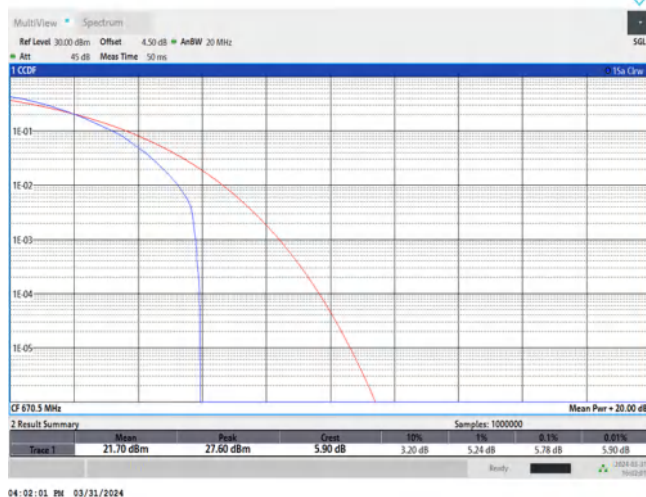
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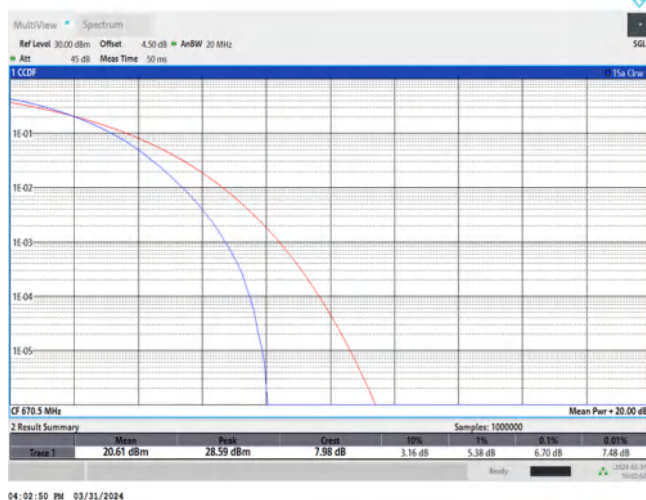
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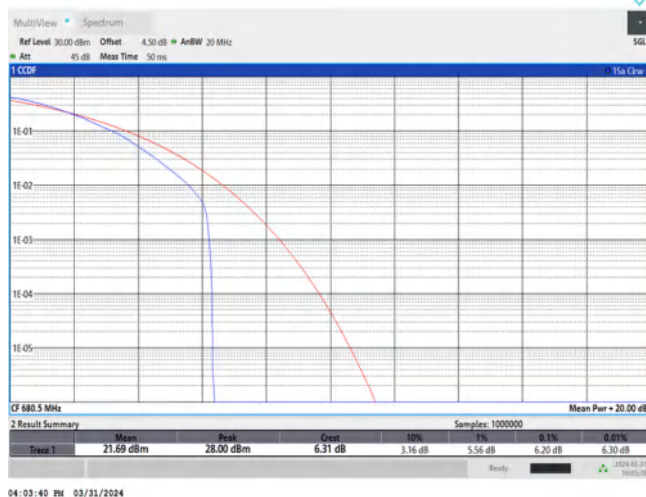
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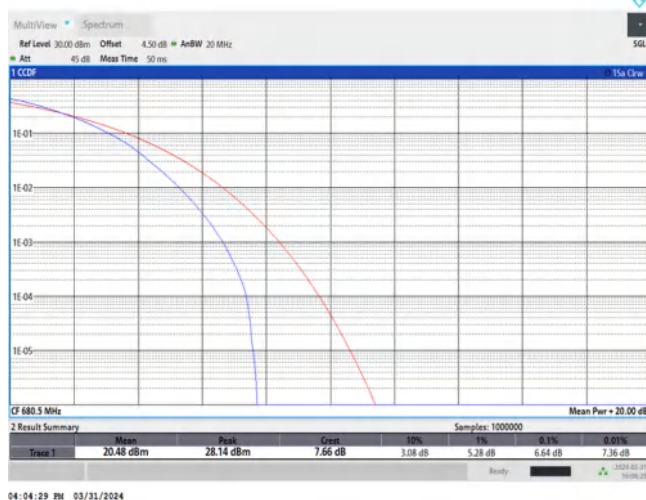
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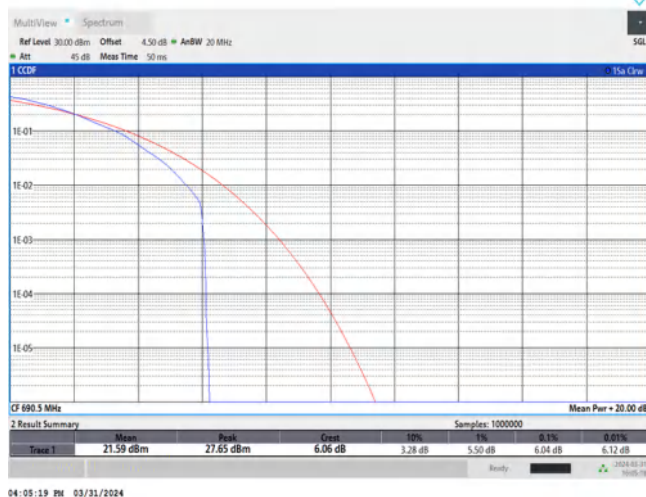
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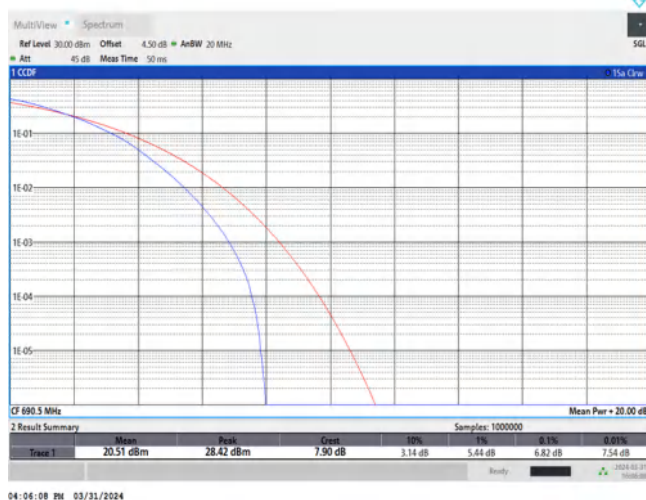
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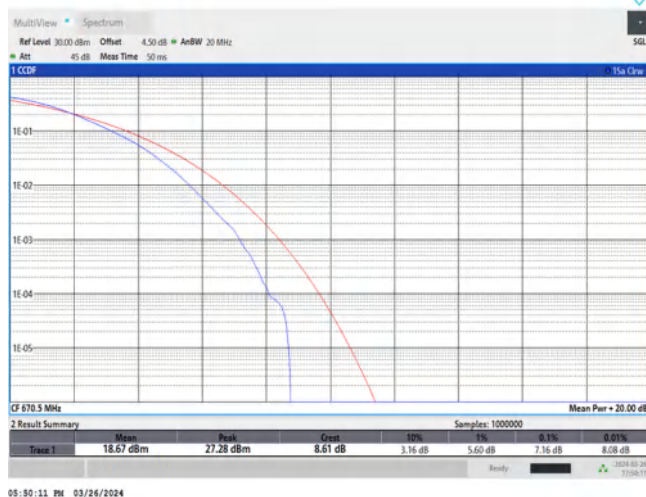
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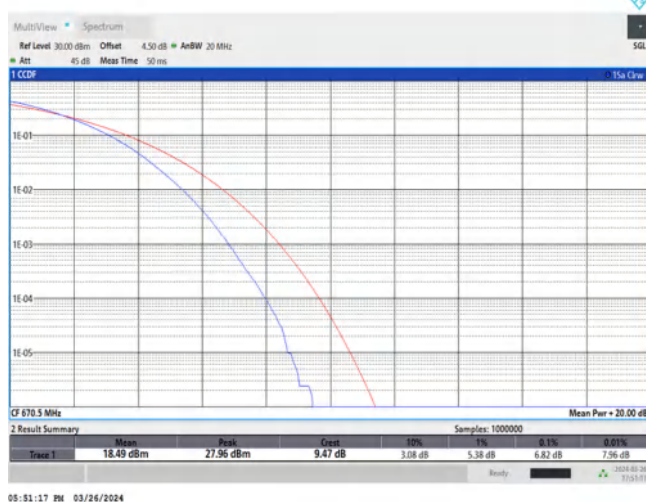
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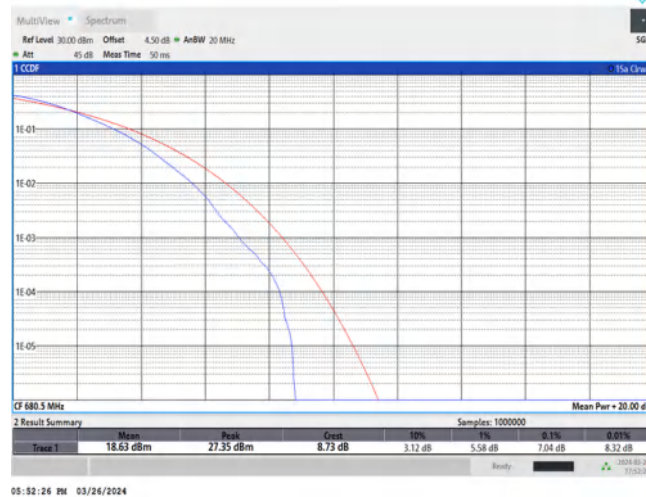
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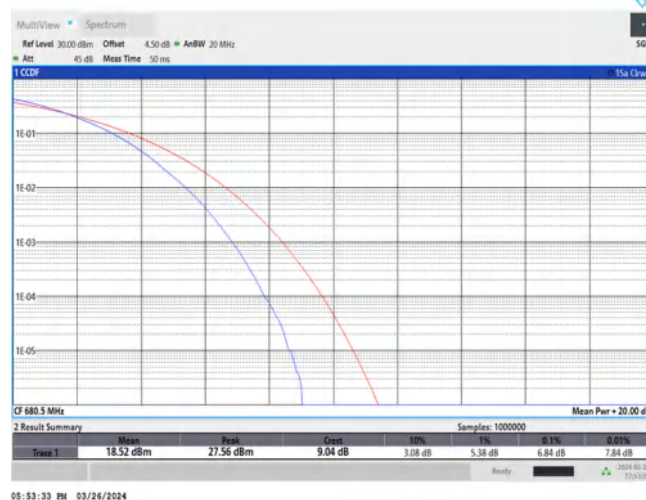
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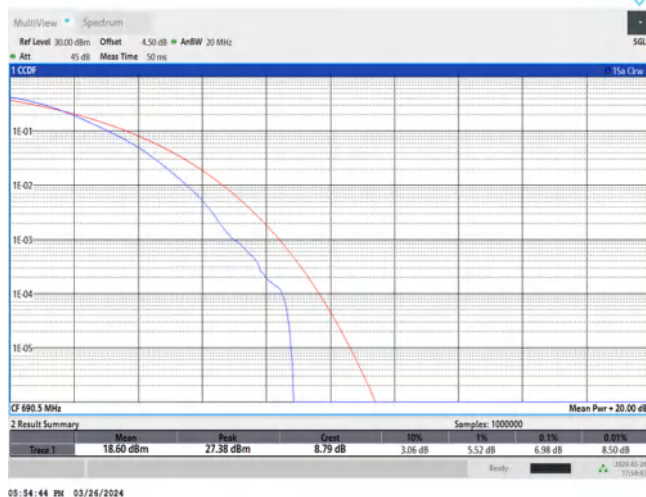
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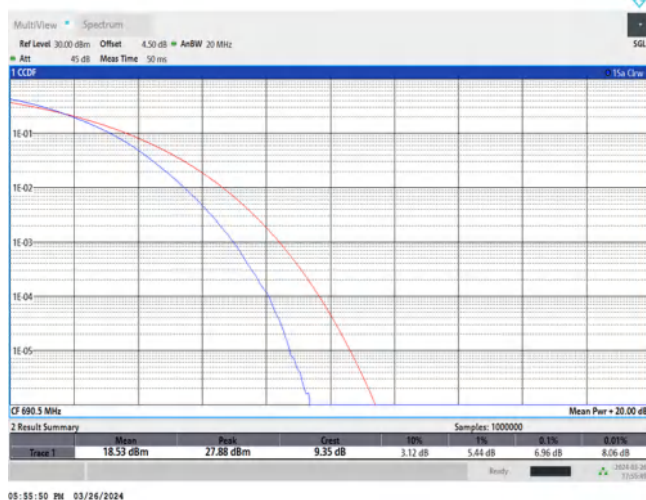
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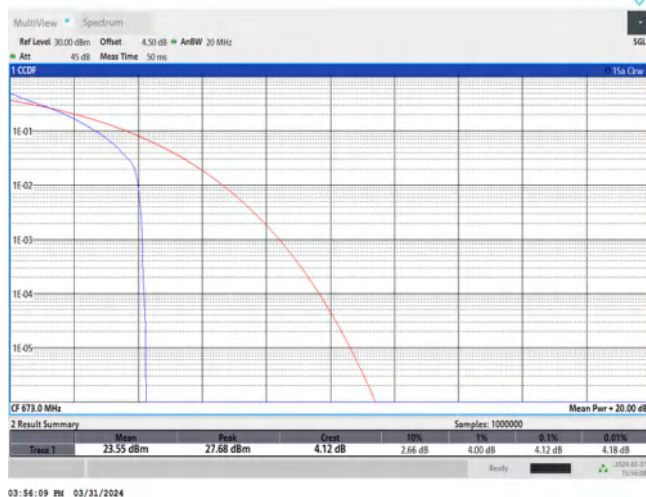
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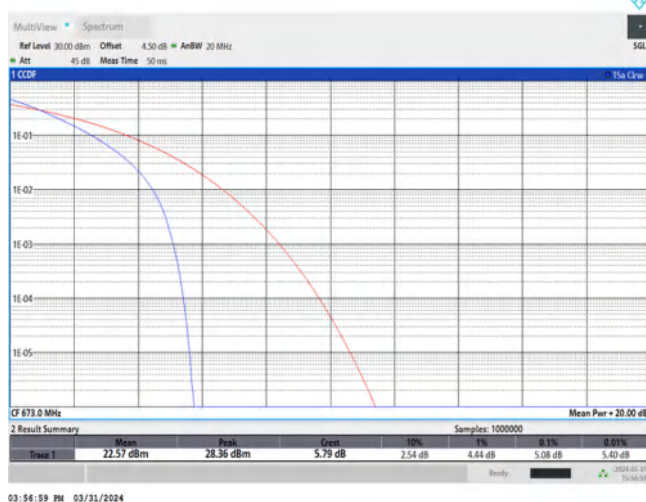
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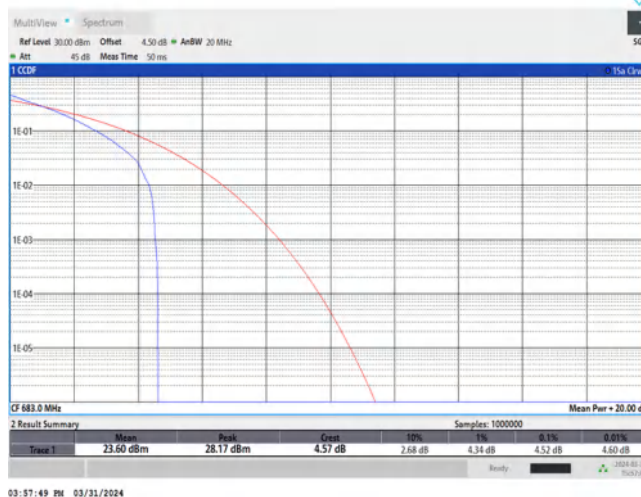
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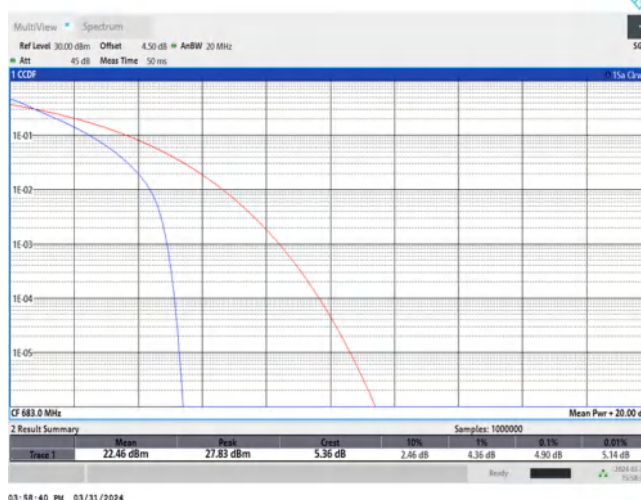
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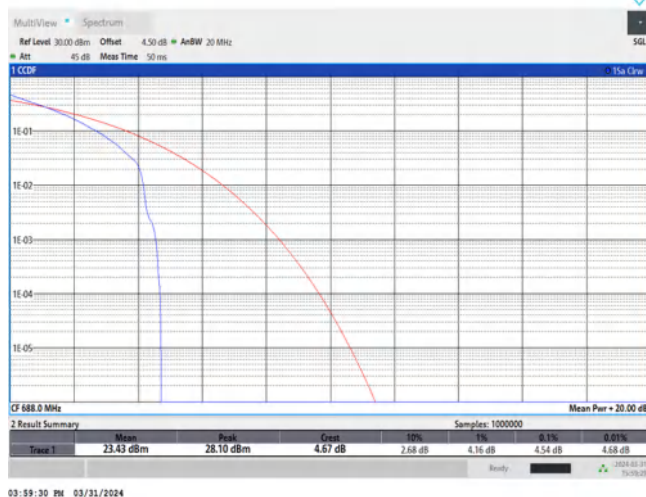
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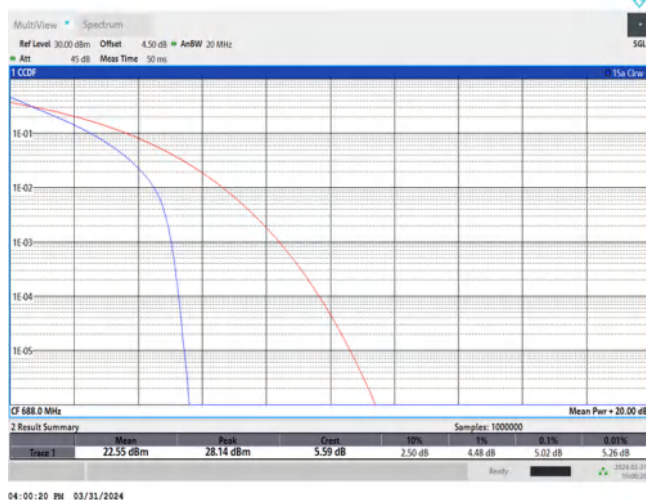
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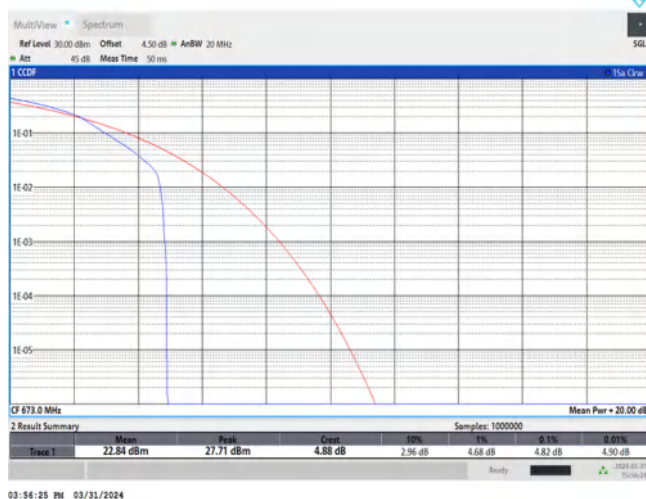
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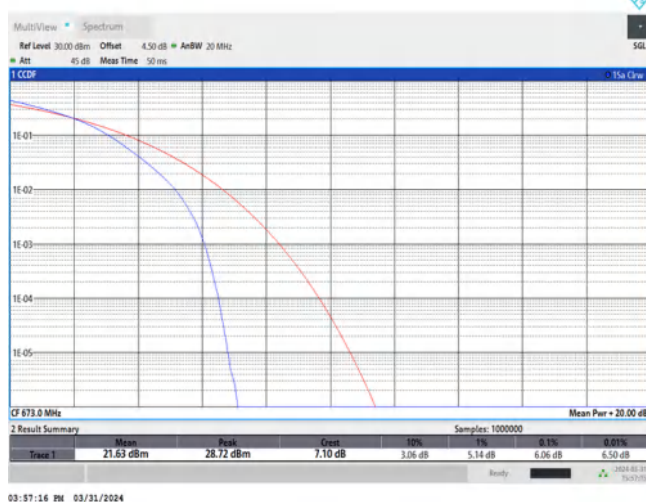
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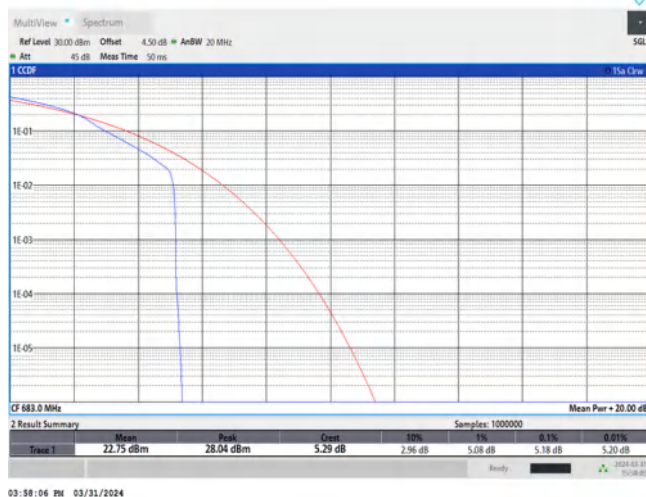
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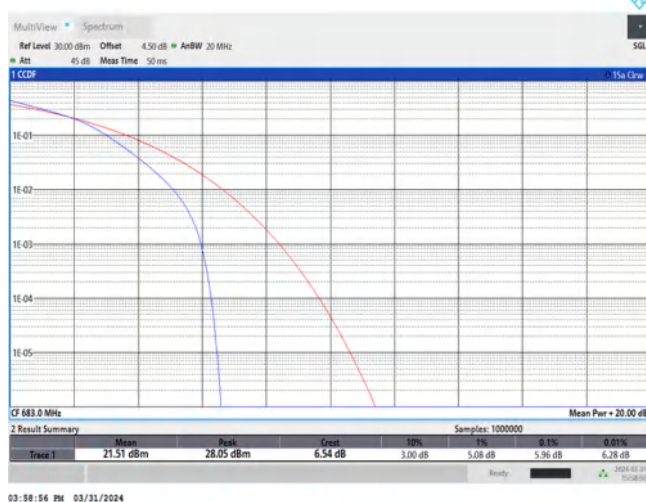
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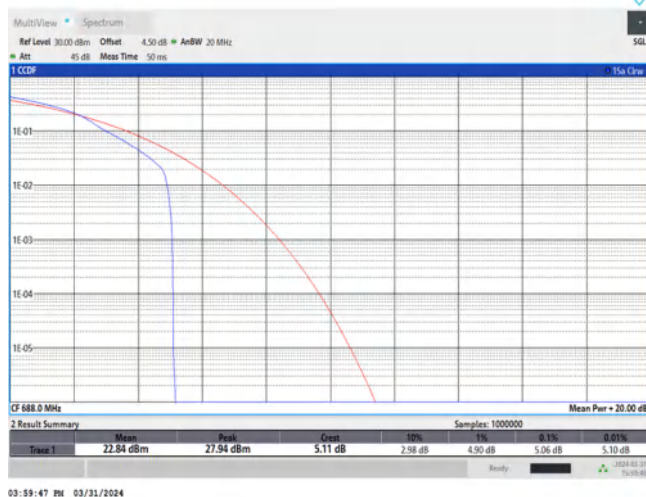
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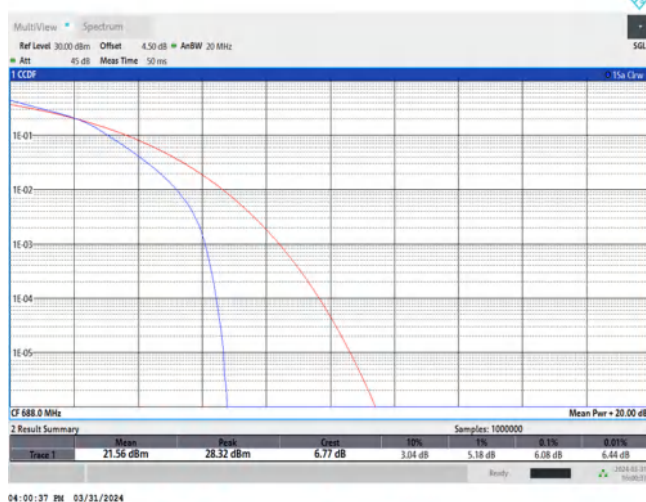
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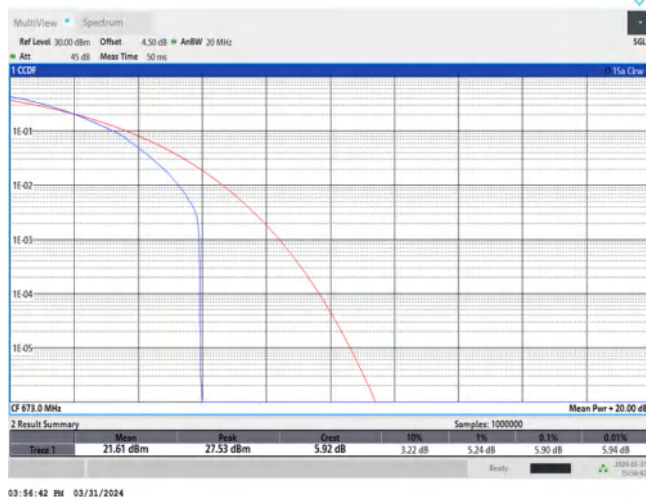
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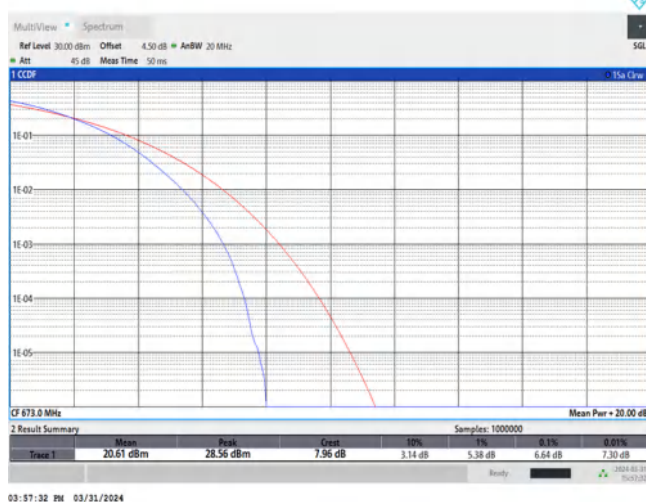
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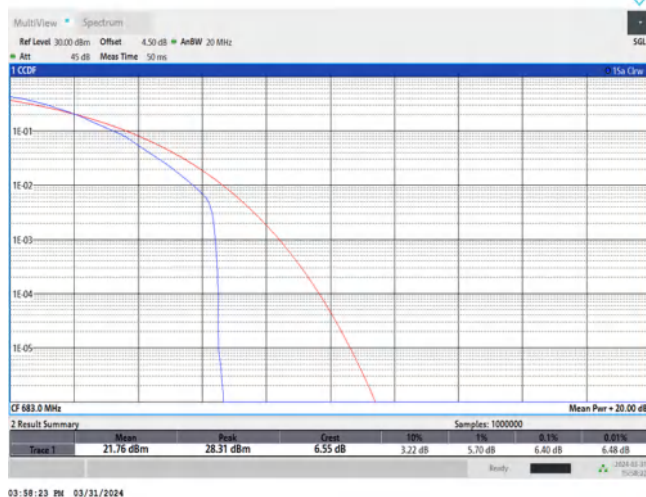
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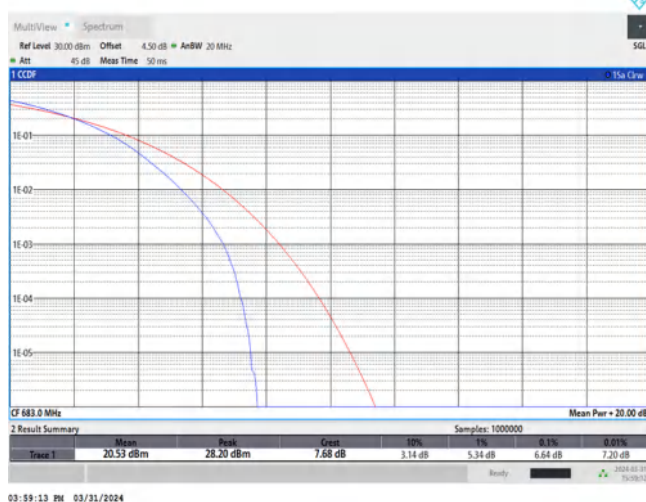
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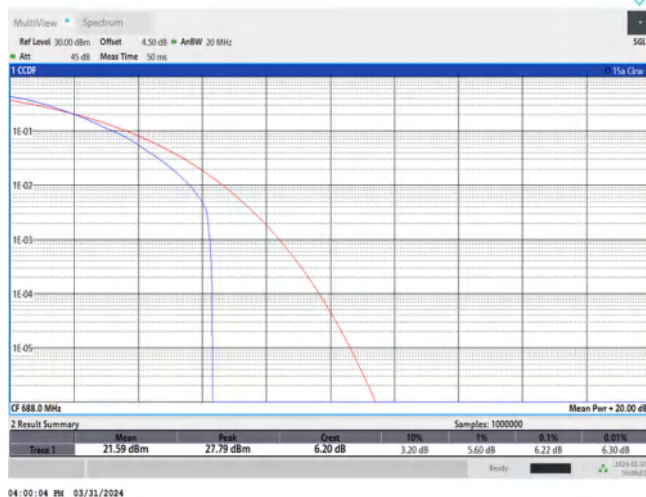
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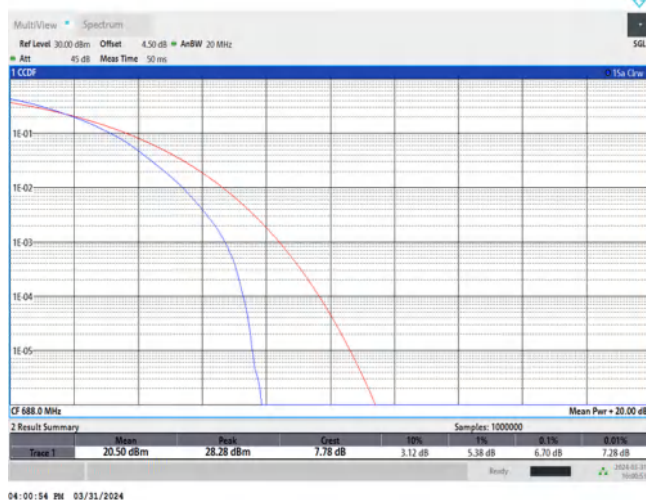
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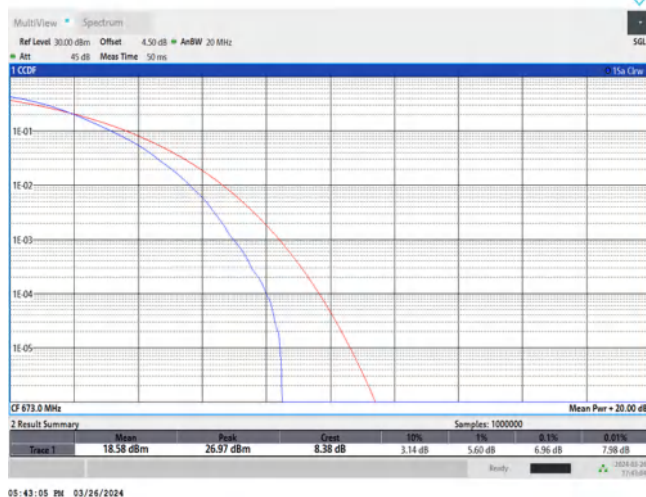
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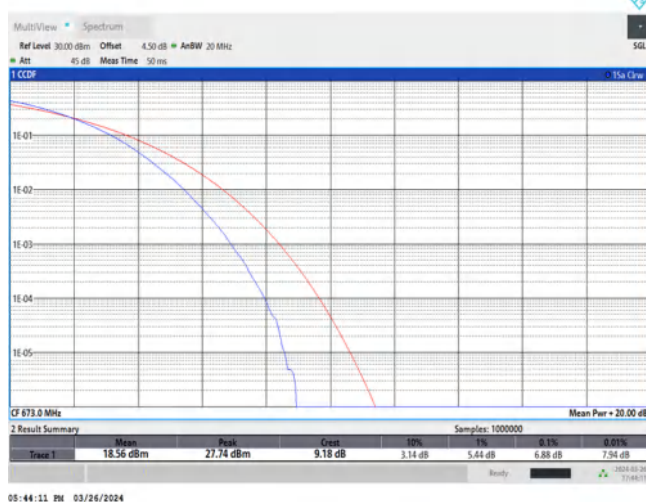
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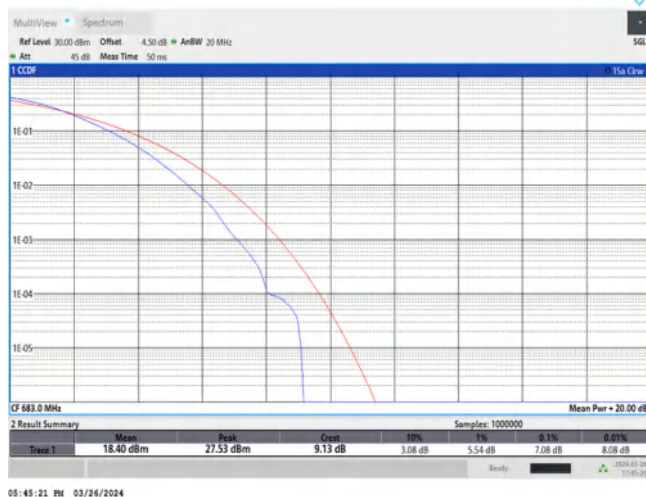
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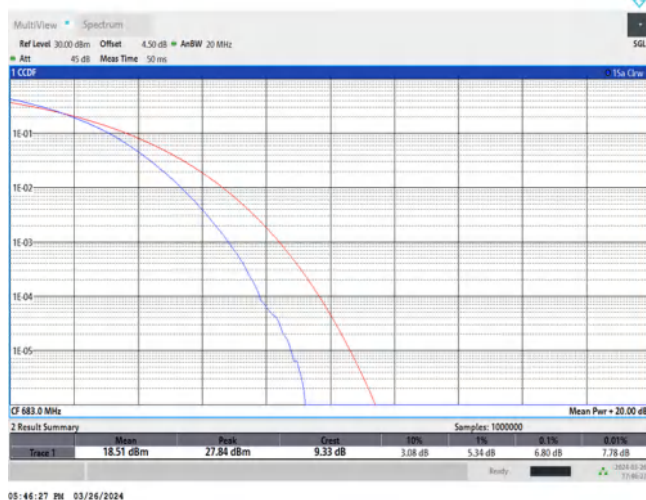
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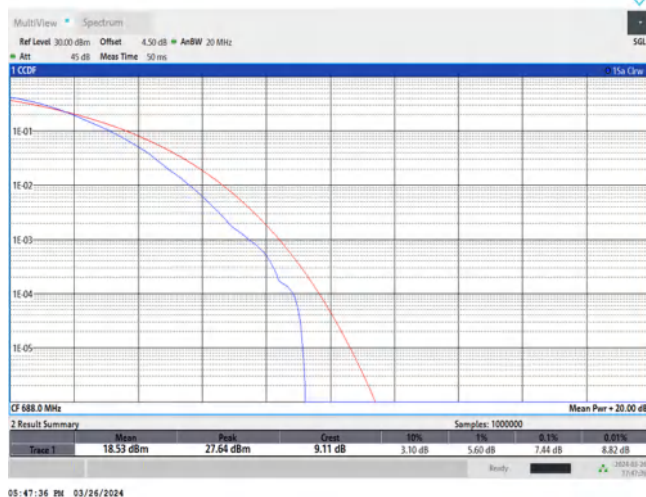
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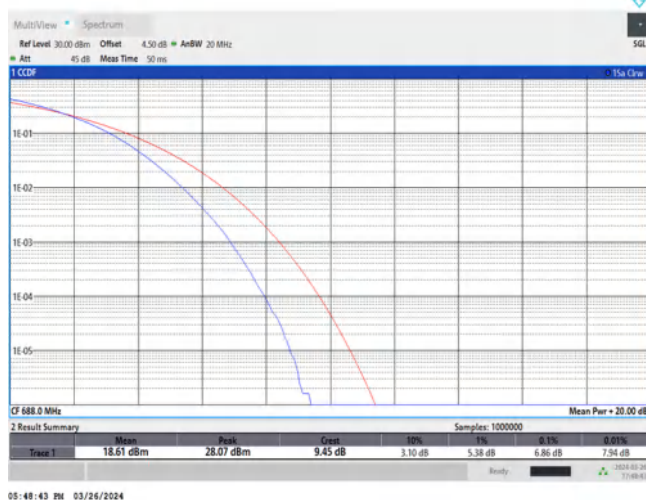
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Band71-20MHz-256QAM-133372-1RB#0



Band71-20MHz-256QAM-133372-100RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133297	25RB#0	4.458	4.84	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.467	4.96	PASS
Band71	5MHz	64QAM	133297	25RB#0	4.47	4.99	PASS
Band71	5MHz	256QAM	133297	25RB#0	4.453	4.92	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.934	9.72	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.953	9.82	PASS
Band71	10MHz	64QAM	133297	50RB#0	8.937	9.62	PASS
Band71	10MHz	256QAM	133297	50RB#0	8.936	9.62	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.457	14.73	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.451	14.58	PASS
Band71	15MHz	64QAM	133297	75RB#0	13.489	14.73	PASS
Band71	15MHz	256QAM	133297	75RB#0	13.437	14.64	PASS
Band71	20MHz	QPSK	133297	100RB#0	17.905	19.60	PASS
Band71	20MHz	16QAM	133297	100RB#0	17.882	19.44	PASS
Band71	20MHz	64QAM	133297	100RB#0	17.916	19.28	PASS
Band71	20MHz	256QAM	133297	100RB#0	17.922	19.08	PASS



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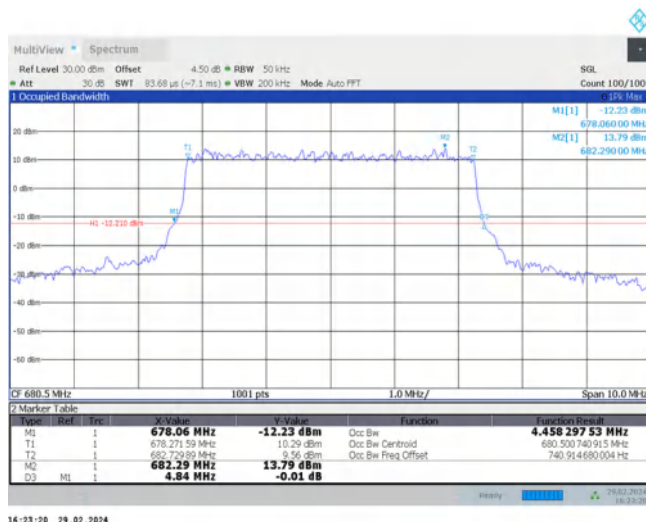
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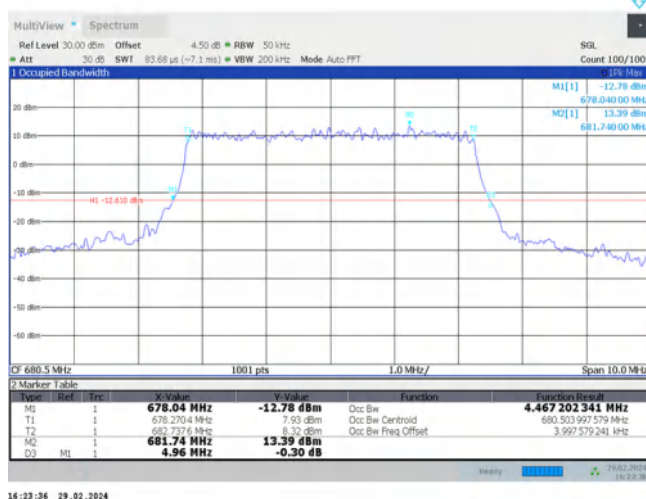
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Test Graphs

Band71-5MHz-QPSK-133297-25RB#0



Band71-5MHz-16QAM-133297-25RB#0



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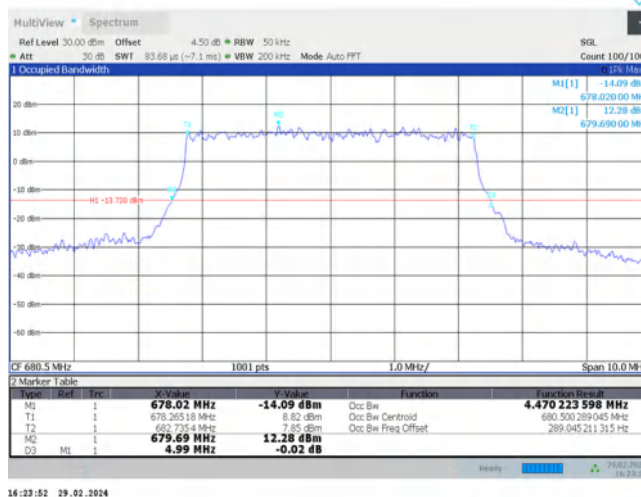
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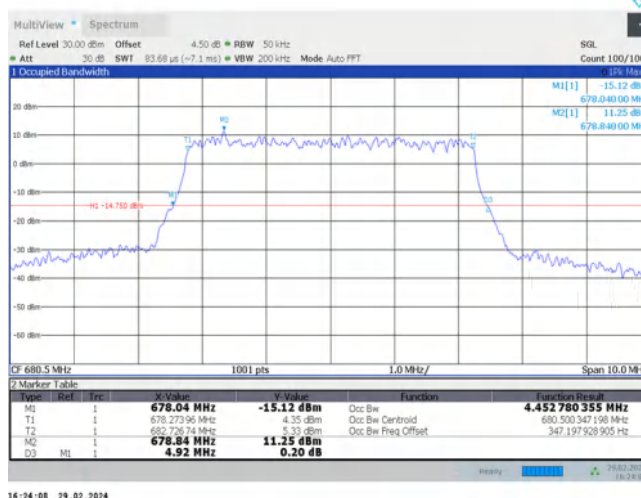
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Band71-5MHz-64QAM-133297-25RB#0



16:23:52 29.02.2024

Band71-5MHz-256QAM-133297-25RB#0



16:24:08 29.02.2024



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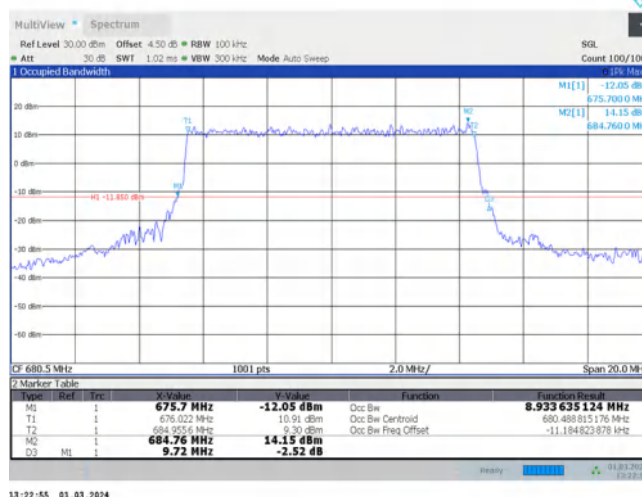
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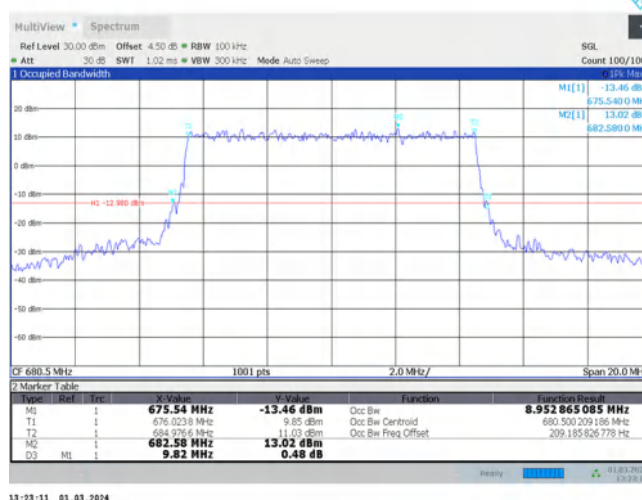
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Band71-10MHz-QPSK-133297-50RB#0



Band71-10MHz-16QAM-133297-50RB#0



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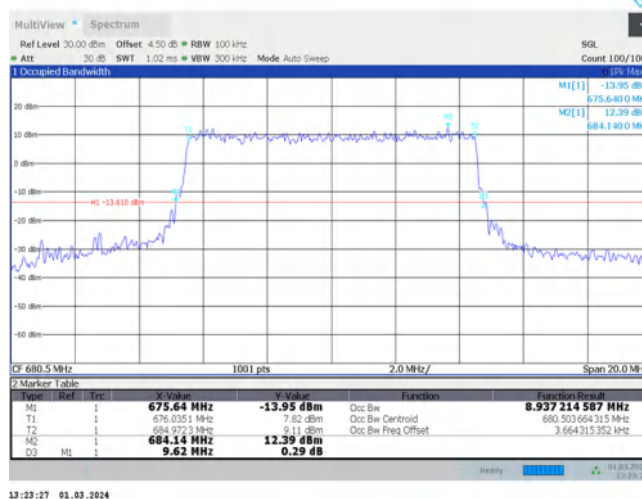
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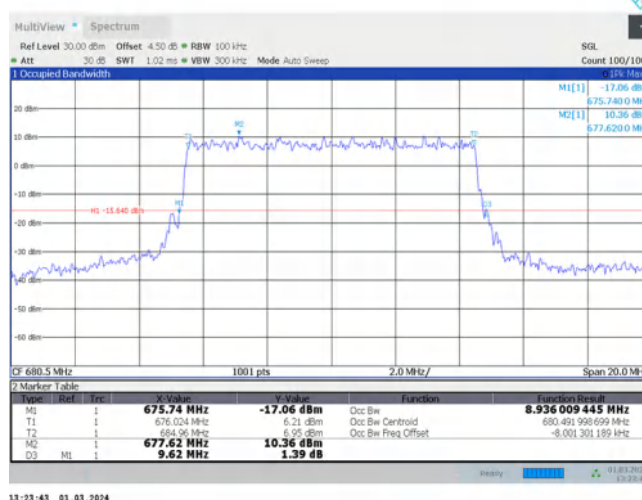
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Band71-10MHz-64QAM-133297-50RB#0



Band71-10MHz-256QAM-133297-50RB#0



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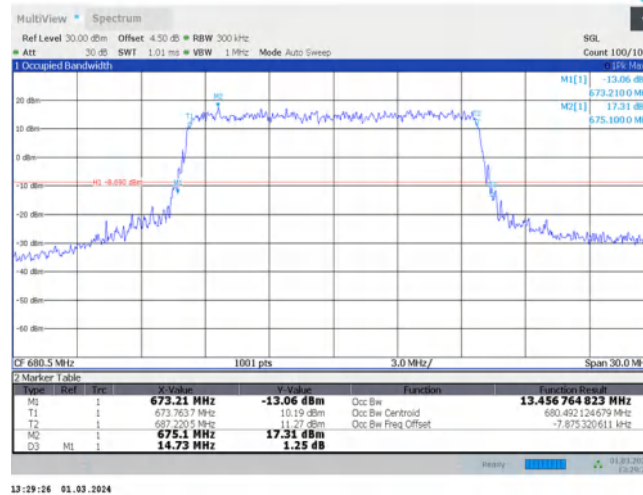
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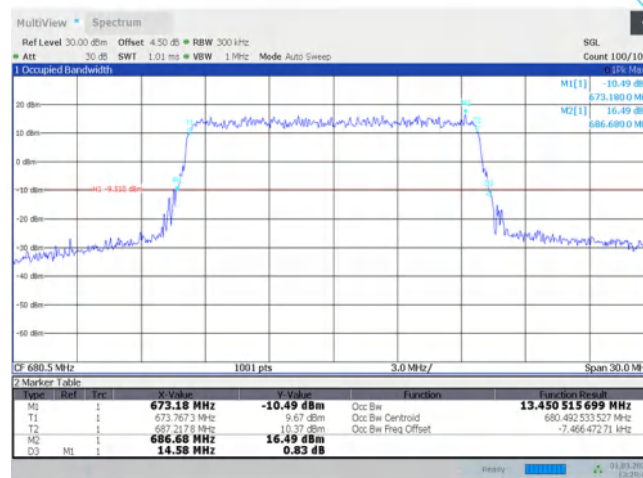
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Band71-15MHz-QPSK-133297-75RB#0



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Band71-15MHz-16QAM-133297-75RB#0



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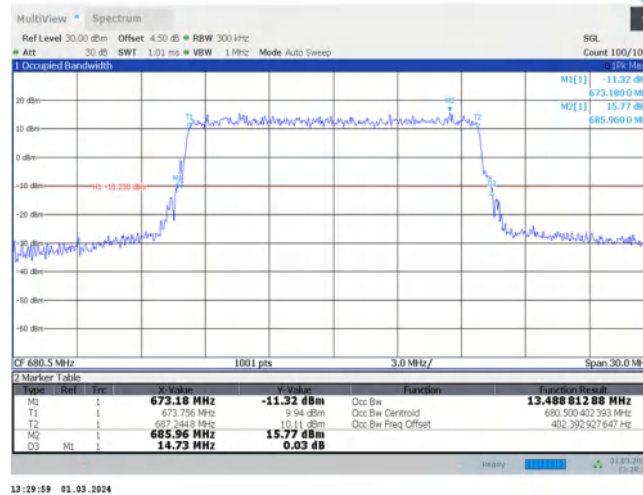
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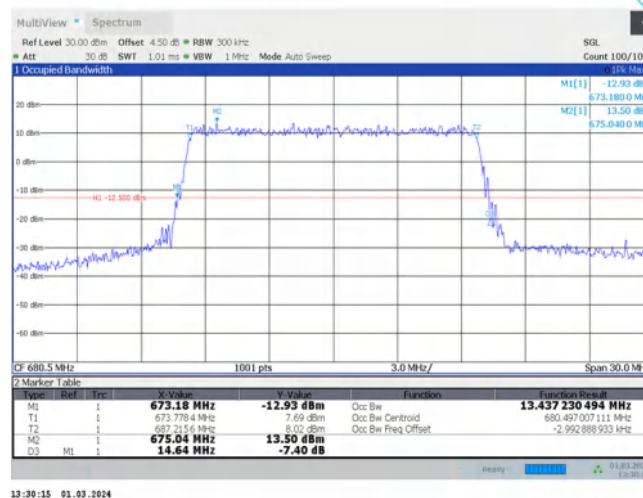
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Band71-15MHz-256QAM-133297-75RB#0



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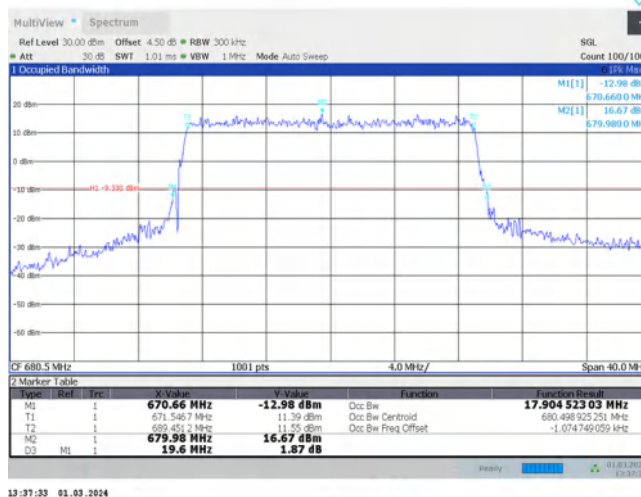
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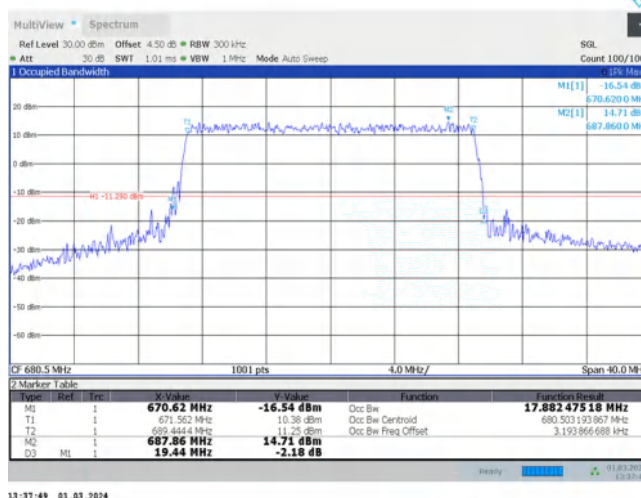
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Band71-20MHz-QPSK-133297-100RB#0



Band71-20MHz-16QAM-133297-100RB#0



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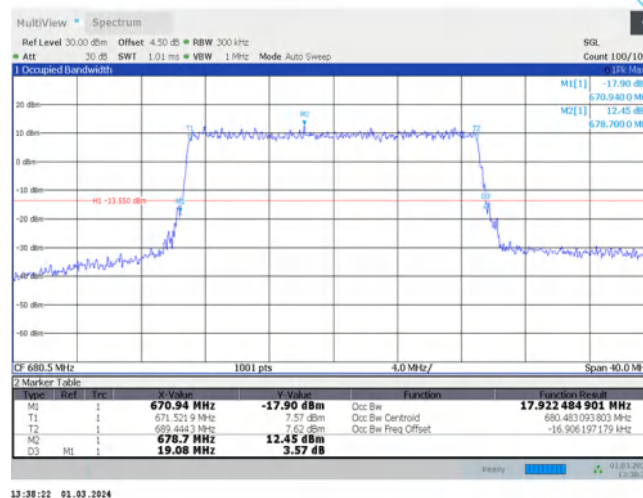
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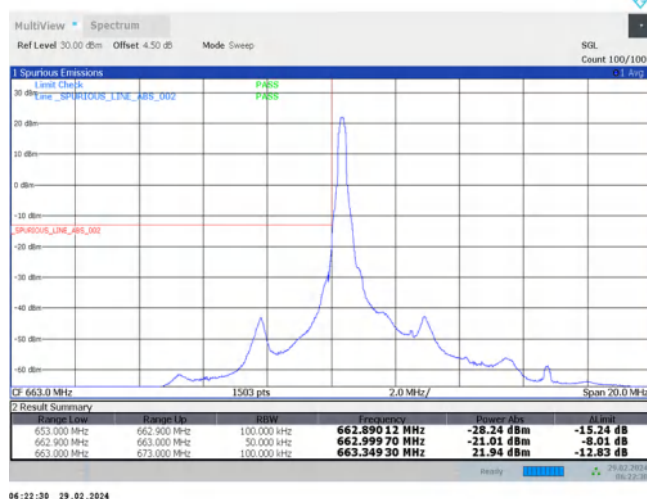
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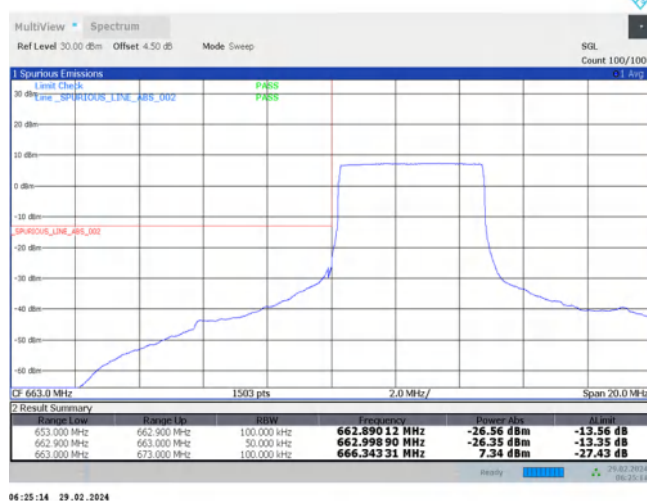
Band Edge

Test Graphs

Band71-5MHz-QPSK-133147-1RB#0



Band71-5MHz-QPSK-133147-25RB#0



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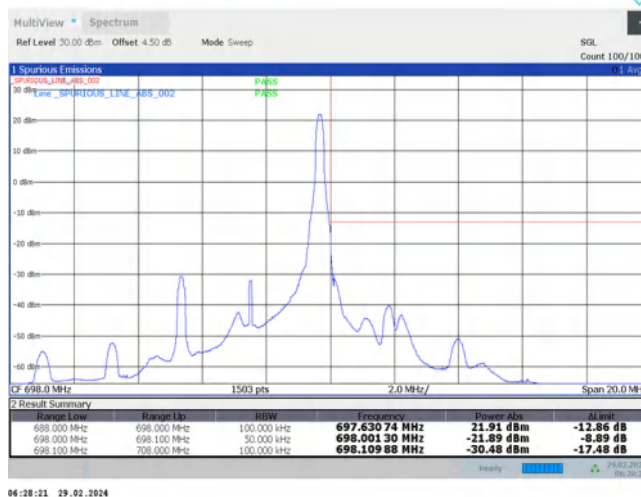
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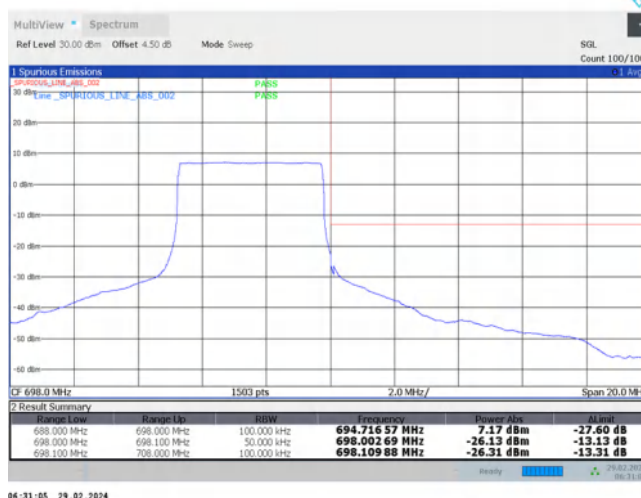
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Band71-5MHz-QPSK-133447-1RB#24



Band71-5MHz-QPSK-133447-25RB#0



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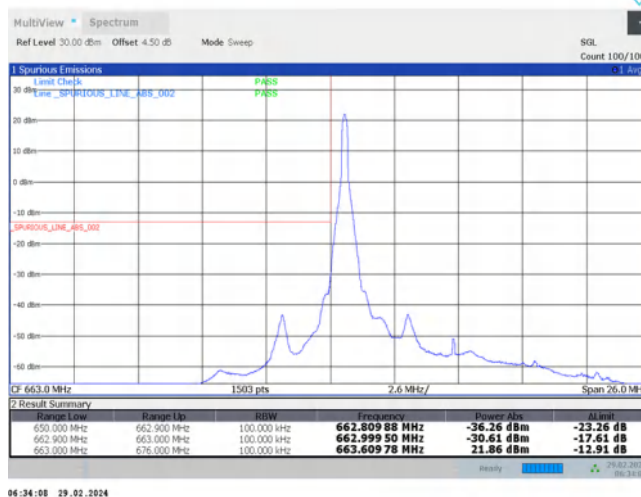
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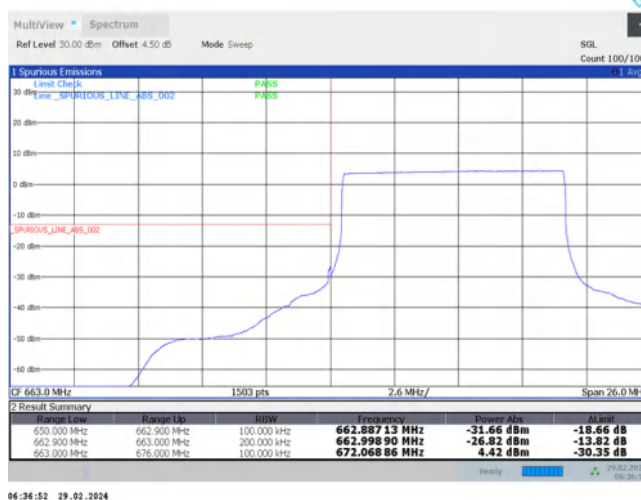
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Band71-10MHz-QPSK-133172-1RB#0



Band71-10MHz-QPSK-133172-50RB#0



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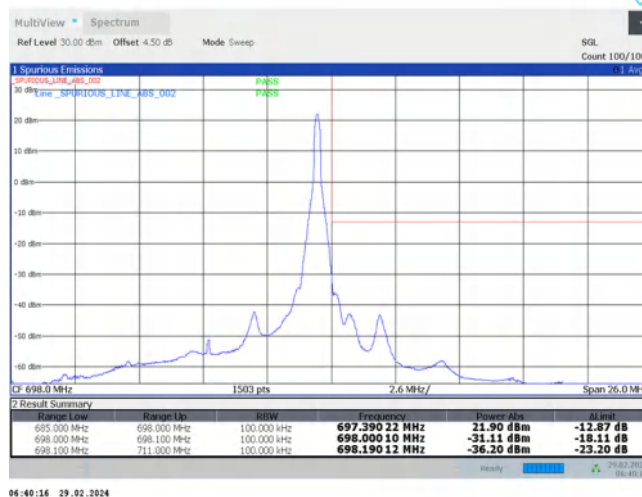
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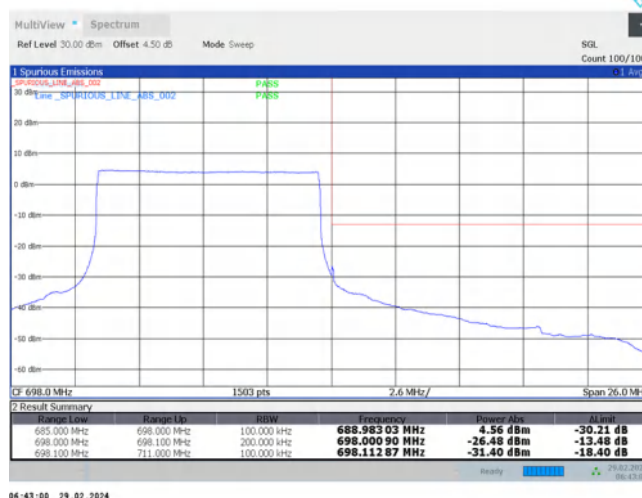
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Band71-10MHz-QPSK-133422-1RB#49



Band71-10MHz-QPSK-133422-50RB#0



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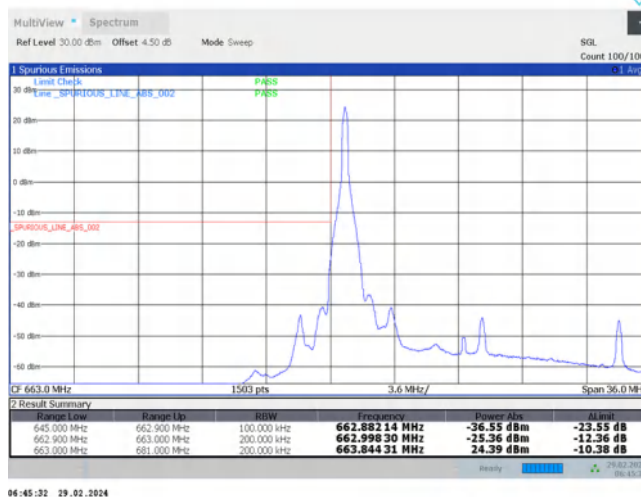
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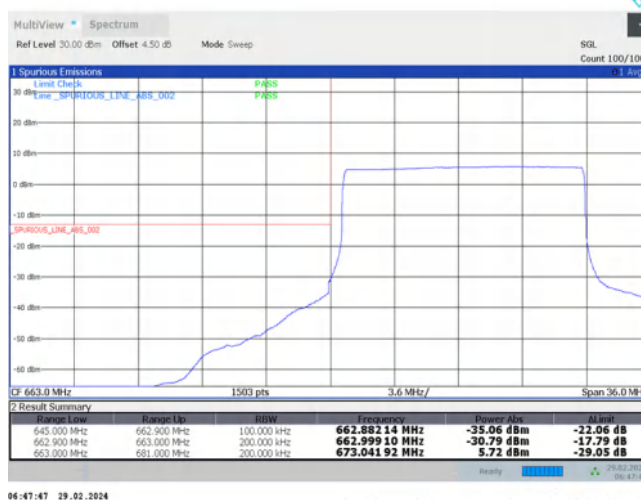
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Band71-15MHz-QPSK-133197-1RB#0



Band71-15MHz-QPSK-133197-75RB#0



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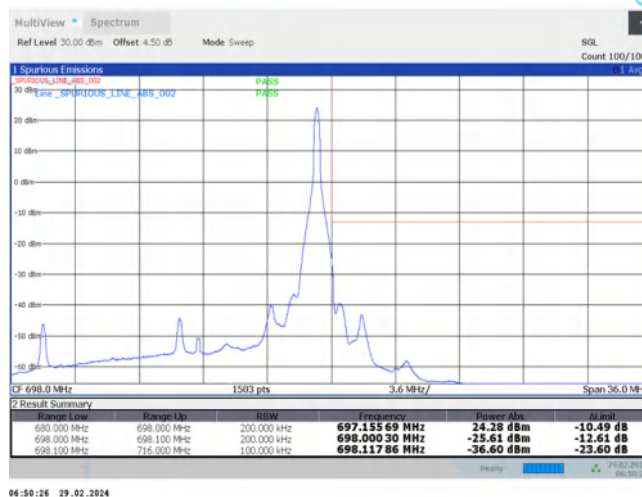
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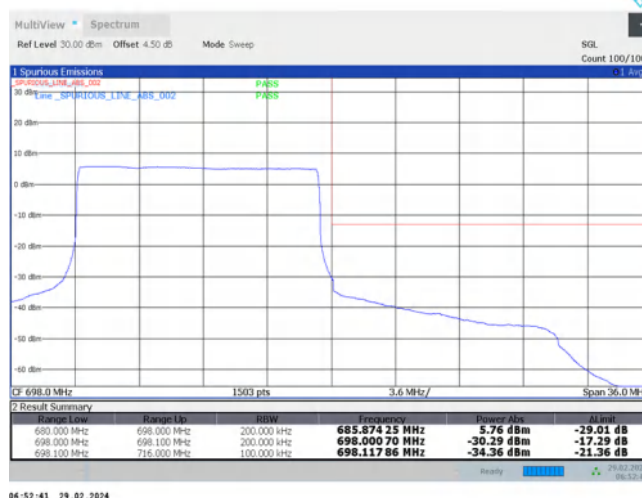
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Band71-15MHz-QPSK-133397-1RB#74



Band71-15MHz-QPSK-133397-75RB#0



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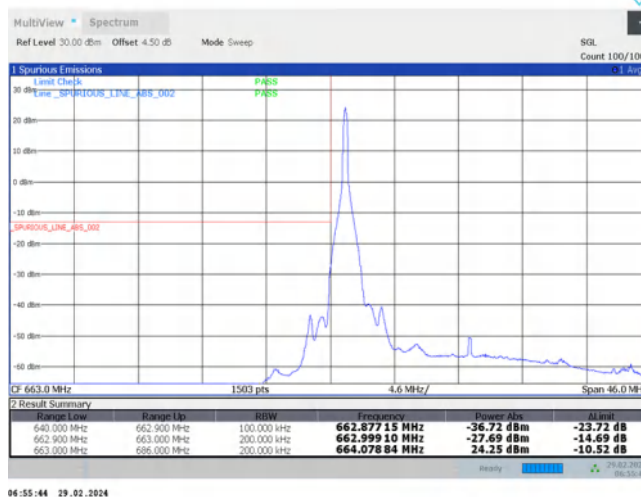
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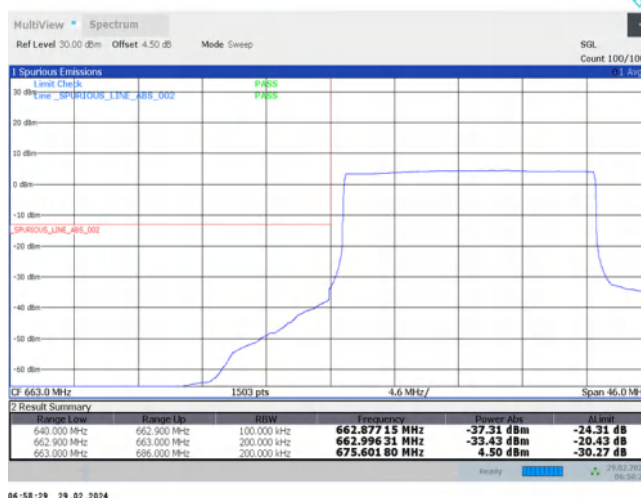
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Band71-20MHz-QPSK-133222-1RB#0



Band71-20MHz-QPSK-133222-100RB#0



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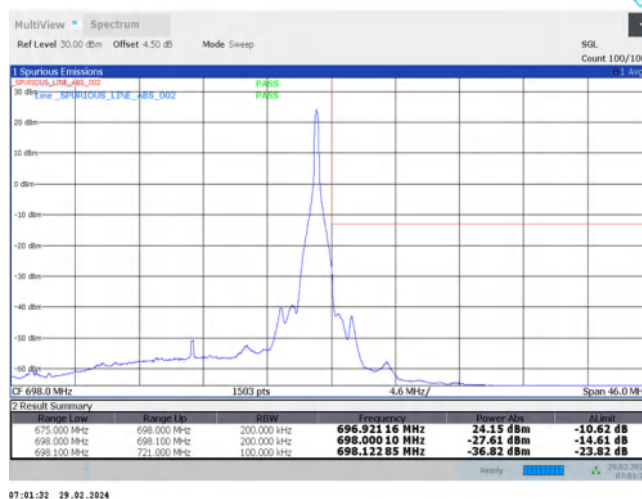
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Band71-20MHz-QPSK-133372-1RB#99



Band71-20MHz-QPSK-133372-100RB#0



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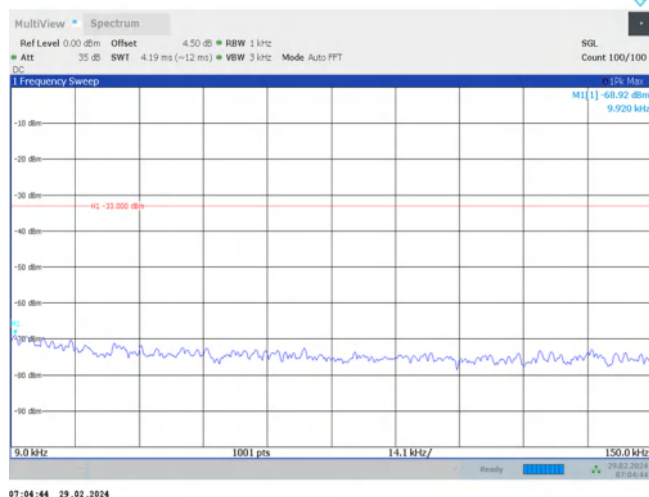
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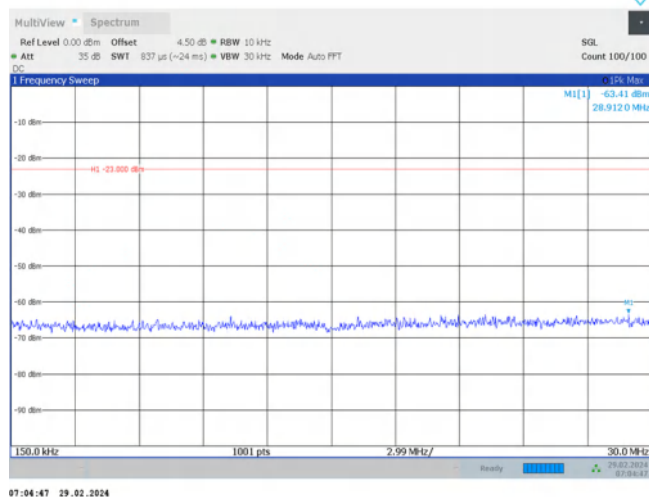
Conducted Spurious Emission

Test Graphs

Band71-20MHz-QPSK-133222-1RB#0-Range1:0.009~0.15MHz



Band71-20MHz-QPSK-133222-1RB#0-Range2:0.15~30MHz



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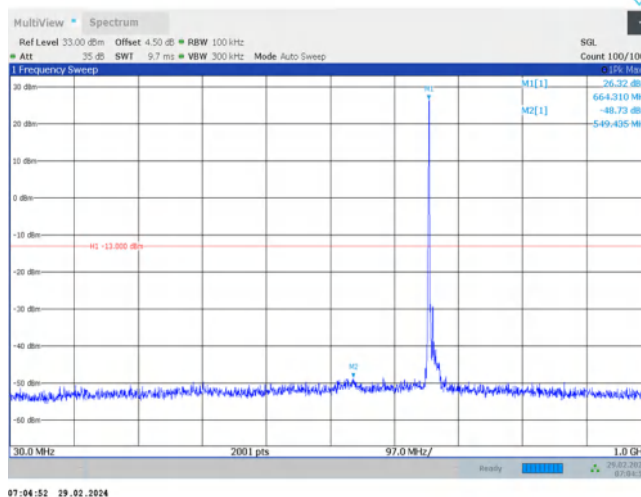
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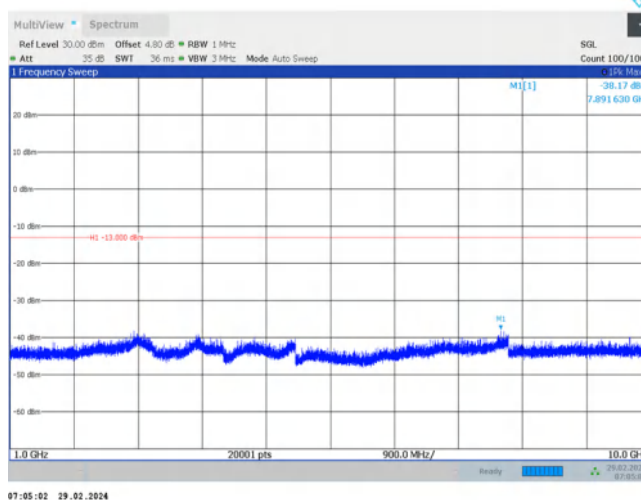
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Band71-20MHz-QPSK-133222-1RB#0-Range3:30~1000MHz



Band71-20MHz-QPSK-133222-1RB#0-Range4:1000~10000MHz



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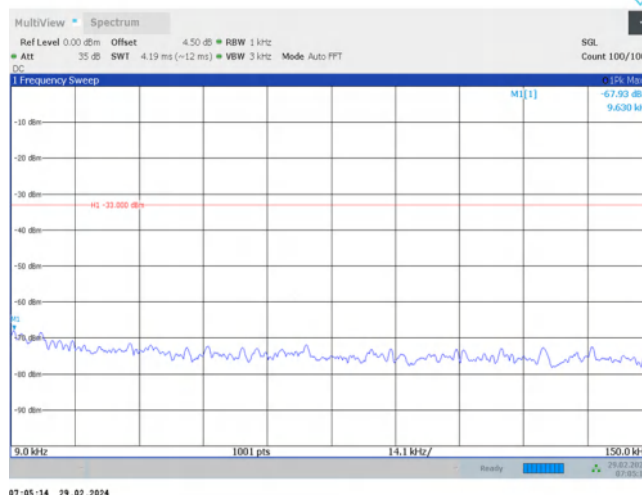
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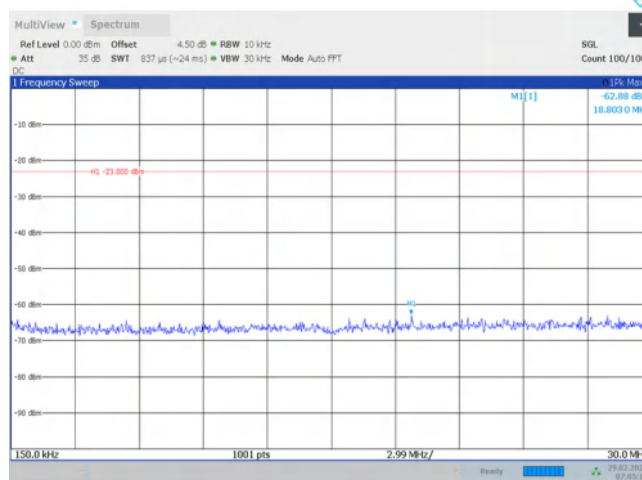
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Band71-20MHz-QPSK-133322-1RB#0-Range1:0.009~0.15MHz



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Band71-20MHz-QPSK-133322-1RB#0-Range2:0.15~30MHz



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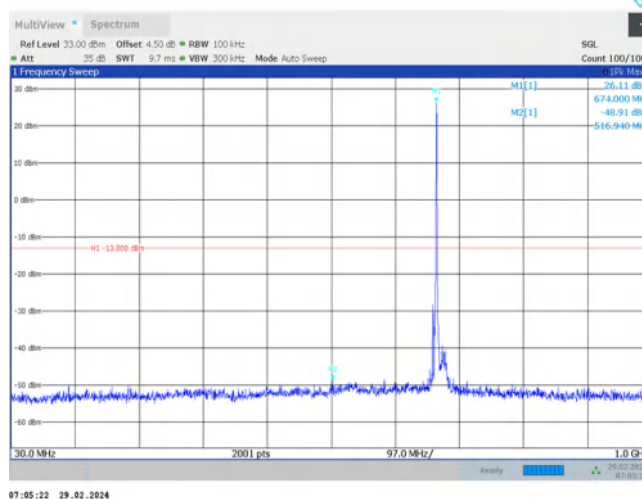
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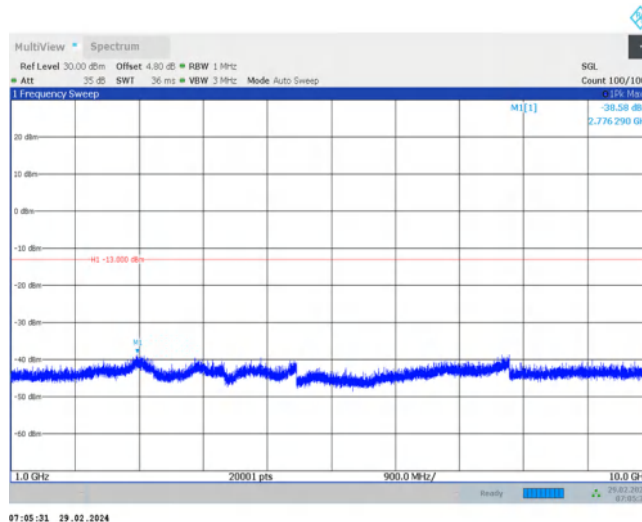
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Band71-20MHz-QPSK-133322-1RB#0-Range3:30~1000MHz



Band71-20MHz-QPSK-133322-1RB#0-Range4:1000~10000MHz



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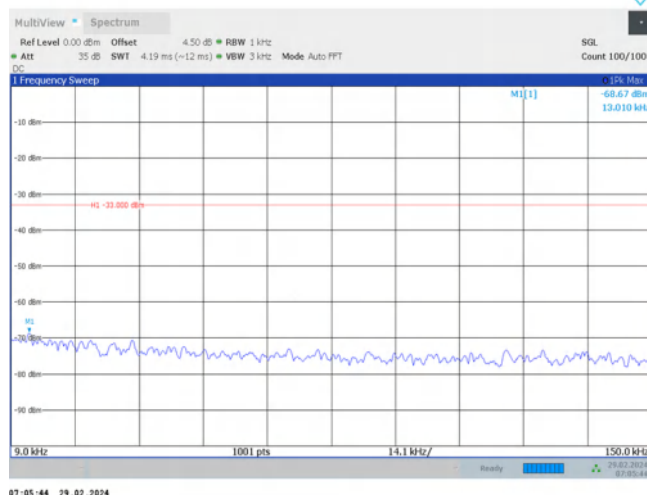
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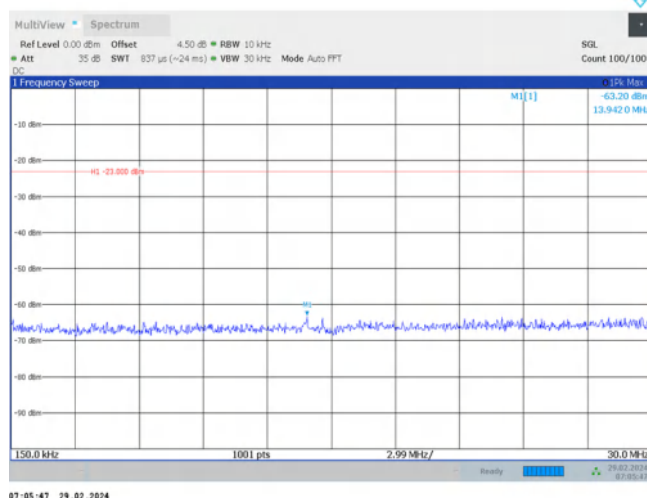
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Band71-20MHz-QPSK-133372-1RB#0-Range1:0.009~0.15MHz



Band71-20MHz-QPSK-133372-1RB#0-Range2:0.15~30MHz



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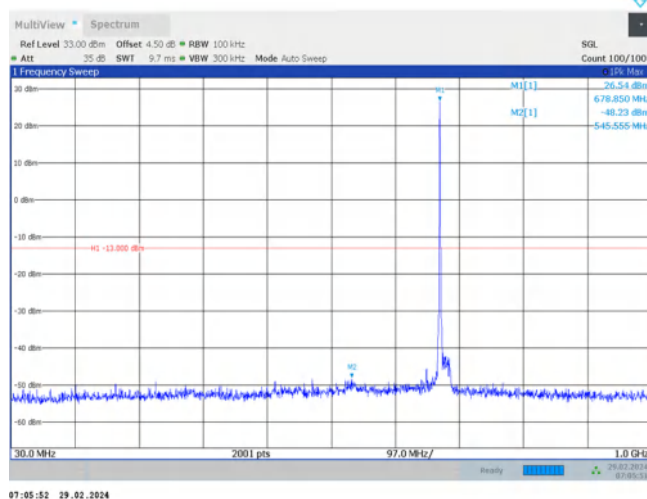
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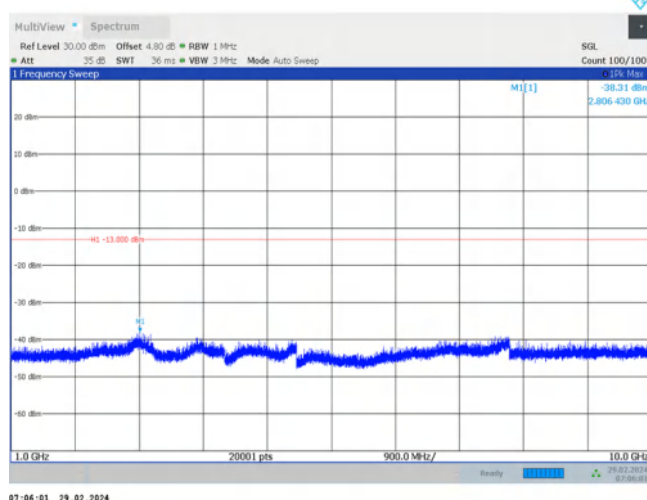
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Band71-20MHz-QPSK-133372-1RB#0-Range3:30~1000MHz



Band71-20MHz-QPSK-133372-1RB#0-Range4:1000~10000MHz



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Field Strength of Spurious Radiation

Test Band = LTE_71

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328	56.29	-47.74	24.88	-61.83	-13.00	48.83	Horizontal
2	1993.5	48.19	-46.94	26.37	-67.64	-13.00	54.64	Horizontal
3	3320.5	48.60	-45.69	28.54	-63.81	-13.00	50.81	Horizontal
4	5150.5	45.85	-42.58	31.80	-60.19	-13.00	47.19	Horizontal
5	7364.5	44.77	-38.50	36.56	-52.43	-13.00	39.43	Horizontal
6	9907	42.11	-35.32	38.61	-49.86	-13.00	36.86	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1328	49.58	-47.74	24.88	-68.54	-13.00	55.54	Vertical
2	1991.5	47.97	-46.94	26.33	-67.90	-13.00	54.90	Vertical
3	3084	47.56	-45.86	28.87	-64.69	-13.00	51.69	Vertical
4	5152	46.05	-42.58	31.80	-59.99	-13.00	46.99	Vertical
5	7412	43.90	-38.35	36.72	-52.99	-13.00	39.99	Vertical
6	9937.5	42.45	-35.44	38.64	-49.61	-13.00	36.61	Vertical



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Test Band = LTE_71
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1342.5	51.34	-47.67	25.03	-66.56	-13.00	53.56	Horizontal
2	2030	48.66	-46.91	26.38	-67.13	-13.00	54.13	Horizontal
3	3083	47.24	-45.86	28.87	-65.01	-13.00	52.01	Horizontal
4	5172.5	45.96	-42.54	31.85	-59.99	-13.00	46.99	Horizontal
5	7478.5	43.86	-38.37	36.86	-52.91	-13.00	39.91	Horizontal
6	9908	42.37	-35.32	38.61	-49.60	-13.00	36.60	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1280.5	48.10	-47.88	24.56	-70.48	-13.00	57.48	Vertical
2	2022.5	48.57	-46.92	26.41	-67.20	-13.00	54.20	Vertical
3	3062.5	47.33	-45.81	28.83	-64.91	-13.00	51.91	Vertical
4	4794	46.32	-42.89	30.76	-61.07	-13.00	48.07	Vertical
5	7416.5	44.01	-38.35	36.73	-52.87	-13.00	39.87	Vertical
6	9903	42.44	-35.30	38.60	-49.52	-13.00	36.52	Vertical



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Test Band = LTE_71
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1184	48.07	-47.86	24.57	-70.48	-13.00	57.48	Horizontal
2	2036.5	49.02	-46.91	26.35	-66.80	-13.00	53.80	Horizontal
3	3072	47.49	-45.84	28.84	-64.77	-13.00	51.77	Horizontal
4	5321.5	45.48	-42.14	32.03	-59.89	-13.00	46.89	Horizontal
5	7415	44.12	-38.35	36.73	-52.76	-13.00	39.76	Horizontal
6	9875	42.53	-35.35	38.40	-49.68	-13.00	36.68	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1255.5	48.19	-47.88	24.51	-70.44	-13.00	57.44	Vertical
2	2057.5	47.58	-46.90	26.38	-68.20	-13.00	55.20	Vertical
3	3082.5	47.36	-45.86	28.87	-64.89	-13.00	51.89	Vertical
4	4738.5	46.33	-42.94	30.52	-61.35	-13.00	48.35	Vertical
5	7297	43.74	-38.78	36.39	-53.91	-13.00	40.91	Vertical
6	9771.5	42.22	-35.72	38.39	-50.37	-13.00	37.37	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
Band71	20MHz	QPSK	133322	100RB#0	VL	NT	-0.50	-0.000732	PASS
Band71	20MHz	QPSK	133322	100RB#0	VN	NT	1.10	0.001611	PASS
Band71	20MHz	QPSK	133322	100RB#0	VH	NT	-0.70	-0.001025	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	NV	-30	-0.10	-0.000146	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-20	-0.70	-0.001025	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-10	-0.60	-0.000878	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	0	0.30	0.000439	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	10	-0.40	-0.000586	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	20	-0.10	-0.000146	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	30	0.00	0.000000	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	40	-0.30	-0.000439	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	50	-0.10	-0.000146	PASS

---End of Attachment---



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