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Appendix B.12

LTE Band 41



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Effective (Isotropic) Radiated Power Output Data**Test Result****ANT0**

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	26.26	28.16	33	PASS
Band41	5MHz	QPSK	39675	1RB#12	26.3	28.2	33	PASS
Band41	5MHz	QPSK	39675	1RB#24	26.2	28.1	33	PASS
Band41	5MHz	QPSK	39675	25RB#0	25.24	27.14	33	PASS
Band41	5MHz	QPSK	40620	1RB#0	23.63	25.53	33	PASS
Band41	5MHz	QPSK	40620	1RB#12	26.25	28.15	33	PASS
Band41	5MHz	QPSK	40620	1RB#24	26.11	28.01	33	PASS
Band41	5MHz	QPSK	40620	25RB#0	25.21	27.11	33	PASS
Band41	5MHz	QPSK	41565	1RB#0	23.58	25.48	33	PASS
Band41	5MHz	QPSK	41565	1RB#12	26.49	28.39	33	PASS
Band41	5MHz	QPSK	41565	1RB#24	26.27	28.17	33	PASS
Band41	5MHz	QPSK	41565	25RB#0	25.22	27.12	33	PASS
Band41	5MHz	16QAM	39675	1RB#0	25.3	27.2	33	PASS
Band41	5MHz	16QAM	39675	1RB#12	25.48	27.38	33	PASS
Band41	5MHz	16QAM	39675	1RB#24	25.32	27.22	33	PASS
Band41	5MHz	16QAM	39675	25RB#0	24.26	26.16	33	PASS
Band41	5MHz	16QAM	40620	1RB#0	25.51	27.41	33	PASS
Band41	5MHz	16QAM	40620	1RB#12	25.43	27.33	33	PASS
Band41	5MHz	16QAM	40620	1RB#24	25.29	27.19	33	PASS
Band41	5MHz	16QAM	40620	25RB#0	24.21	26.11	33	PASS
Band41	5MHz	16QAM	41565	1RB#0	25.56	27.46	33	PASS
Band41	5MHz	16QAM	41565	1RB#12	25.4	27.3	33	PASS
Band41	5MHz	16QAM	41565	1RB#24	25.24	27.14	33	PASS
Band41	5MHz	16QAM	41565	25RB#0	24.29	26.19	33	PASS
Band41	5MHz	64QAM	39675	1RB#0	24.52	26.42	33	PASS
Band41	5MHz	64QAM	39675	1RB#12	24.59	26.49	33	PASS



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Band41	5MHz	64QAM	39675	1RB#24	24.57	26.47	33	PASS
Band41	5MHz	64QAM	39675	25RB#0	23.27	25.17	33	PASS
Band41	5MHz	64QAM	40620	1RB#0	24.64	26.54	33	PASS
Band41	5MHz	64QAM	40620	1RB#12	24.66	26.56	33	PASS
Band41	5MHz	64QAM	40620	1RB#24	24.5	26.4	33	PASS
Band41	5MHz	64QAM	40620	25RB#0	23.23	25.13	33	PASS
Band41	5MHz	64QAM	41565	1RB#0	24.58	26.48	33	PASS
Band41	5MHz	64QAM	41565	1RB#12	24.71	26.61	33	PASS
Band41	5MHz	64QAM	41565	1RB#24	24.72	26.62	33	PASS
Band41	5MHz	64QAM	41565	25RB#0	23.48	25.38	33	PASS
Band41	5MHz	256QAM	39675	1RB#0	21.33	23.23	33	PASS
Band41	5MHz	256QAM	39675	1RB#12	21.43	23.33	33	PASS
Band41	5MHz	256QAM	39675	1RB#24	21.42	23.32	33	PASS
Band41	5MHz	256QAM	39675	25RB#0	21.26	23.16	33	PASS
Band41	5MHz	256QAM	40620	1RB#0	21.41	23.31	33	PASS
Band41	5MHz	256QAM	40620	1RB#12	21.45	23.35	33	PASS
Band41	5MHz	256QAM	40620	1RB#24	21.41	23.31	33	PASS
Band41	5MHz	256QAM	40620	25RB#0	21.2	23.1	33	PASS
Band41	5MHz	256QAM	41565	1RB#0	21.31	23.21	33	PASS
Band41	5MHz	256QAM	41565	1RB#12	21.12	23.02	33	PASS
Band41	5MHz	256QAM	41565	1RB#24	21.36	23.26	33	PASS
Band41	5MHz	256QAM	41565	25RB#0	21.3	23.2	33	PASS
Band41	10MHz	QPSK	39700	1RB#0	26.17	28.07	33	PASS
Band41	10MHz	QPSK	39700	1RB#24	26.25	28.15	33	PASS
Band41	10MHz	QPSK	39700	1RB#49	26.19	28.09	33	PASS
Band41	10MHz	QPSK	39700	50RB#0	25.3	27.2	33	PASS
Band41	10MHz	QPSK	40620	1RB#0	26.63	28.53	33	PASS
Band41	10MHz	QPSK	40620	1RB#24	26.18	28.08	33	PASS
Band41	10MHz	QPSK	40620	1RB#49	26.15	28.05	33	PASS
Band41	10MHz	QPSK	40620	50RB#0	25.2	27.1	33	PASS
Band41	10MHz	QPSK	41540	1RB#0	26.52	28.42	33	PASS
Band41	10MHz	QPSK	41540	1RB#24	26.44	28.34	33	PASS
Band41	10MHz	QPSK	41540	1RB#49	26.18	28.08	33	PASS



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Band41	10MHz	QPSK	41540	50RB#0	25.22	27.12	33	PASS
Band41	10MHz	16QAM	39700	1RB#0	25.39	27.29	33	PASS
Band41	10MHz	16QAM	39700	1RB#24	25.37	27.27	33	PASS
Band41	10MHz	16QAM	39700	1RB#49	25.28	27.18	33	PASS
Band41	10MHz	16QAM	39700	50RB#0	24.32	26.22	33	PASS
Band41	10MHz	16QAM	40620	1RB#0	25.54	27.44	33	PASS
Band41	10MHz	16QAM	40620	1RB#24	25.34	27.24	33	PASS
Band41	10MHz	16QAM	40620	1RB#49	25.19	27.09	33	PASS
Band41	10MHz	16QAM	40620	50RB#0	24.22	26.12	33	PASS
Band41	10MHz	16QAM	41540	1RB#0	25.51	27.41	33	PASS
Band41	10MHz	16QAM	41540	1RB#24	25.36	27.26	33	PASS
Band41	10MHz	16QAM	41540	1RB#49	25.44	27.34	33	PASS
Band41	10MHz	16QAM	41540	50RB#0	24.23	26.13	33	PASS
Band41	10MHz	64QAM	39700	1RB#0	24.59	26.49	33	PASS
Band41	10MHz	64QAM	39700	1RB#24	24.7	26.6	33	PASS
Band41	10MHz	64QAM	39700	1RB#49	24.55	26.45	33	PASS
Band41	10MHz	64QAM	39700	50RB#0	23.29	25.19	33	PASS
Band41	10MHz	64QAM	40620	1RB#0	24.51	26.41	33	PASS
Band41	10MHz	64QAM	40620	1RB#24	24.57	26.47	33	PASS
Band41	10MHz	64QAM	40620	1RB#49	24.55	26.45	33	PASS
Band41	10MHz	64QAM	40620	50RB#0	23.23	25.13	33	PASS
Band41	10MHz	64QAM	41540	1RB#0	24.62	26.52	33	PASS
Band41	10MHz	64QAM	41540	1RB#24	24.65	26.55	33	PASS
Band41	10MHz	64QAM	41540	1RB#49	24.56	26.46	33	PASS
Band41	10MHz	64QAM	41540	50RB#0	23.28	25.18	33	PASS
Band41	10MHz	256QAM	39700	1RB#0	21.27	23.17	33	PASS
Band41	10MHz	256QAM	39700	1RB#24	21.43	23.33	33	PASS
Band41	10MHz	256QAM	39700	1RB#49	21.4	23.3	33	PASS
Band41	10MHz	256QAM	39700	50RB#0	21.33	23.23	33	PASS
Band41	10MHz	256QAM	40620	1RB#0	21.37	23.27	33	PASS
Band41	10MHz	256QAM	40620	1RB#24	21.42	23.32	33	PASS
Band41	10MHz	256QAM	40620	1RB#49	21.29	23.19	33	PASS
Band41	10MHz	256QAM	40620	50RB#0	21.24	23.14	33	PASS



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Band41	10MHz	256QAM	41540	1RB#0	21.32	23.22	33	PASS
Band41	10MHz	256QAM	41540	1RB#24	21.46	23.36	33	PASS
Band41	10MHz	256QAM	41540	1RB#49	21.41	23.31	33	PASS
Band41	10MHz	256QAM	41540	50RB#0	21.25	23.15	33	PASS
Band41	15MHz	QPSK	39725	1RB#0	26.12	28.02	33	PASS
Band41	15MHz	QPSK	39725	1RB#38	26.15	28.05	33	PASS
Band41	15MHz	QPSK	39725	1RB#74	26.13	28.03	33	PASS
Band41	15MHz	QPSK	39725	75RB#0	25.19	27.09	33	PASS
Band41	15MHz	QPSK	40620	1RB#0	26.35	28.25	33	PASS
Band41	15MHz	QPSK	40620	1RB#38	26.11	28.01	33	PASS
Band41	15MHz	QPSK	40620	1RB#74	26.02	27.92	33	PASS
Band41	15MHz	QPSK	40620	75RB#0	25.08	26.98	33	PASS
Band41	15MHz	QPSK	41515	1RB#0	26.52	28.42	33	PASS
Band41	15MHz	QPSK	41515	1RB#38	26.22	28.12	33	PASS
Band41	15MHz	QPSK	41515	1RB#74	26.07	27.97	33	PASS
Band41	15MHz	QPSK	41515	75RB#0	25.07	26.97	33	PASS
Band41	15MHz	16QAM	39725	1RB#0	25.01	26.91	33	PASS
Band41	15MHz	16QAM	39725	1RB#38	25.39	27.29	33	PASS
Band41	15MHz	16QAM	39725	1RB#74	25.16	27.06	33	PASS
Band41	15MHz	16QAM	39725	75RB#0	24.2	26.1	33	PASS
Band41	15MHz	16QAM	40620	1RB#0	25.4	27.3	33	PASS
Band41	15MHz	16QAM	40620	1RB#38	25.15	27.05	33	PASS
Band41	15MHz	16QAM	40620	1RB#74	25.17	27.07	33	PASS
Band41	15MHz	16QAM	40620	75RB#0	24.11	26.01	33	PASS
Band41	15MHz	16QAM	41515	1RB#0	25.14	27.04	33	PASS
Band41	15MHz	16QAM	41515	1RB#38	25.17	27.07	33	PASS
Band41	15MHz	16QAM	41515	1RB#74	25.11	27.01	33	PASS
Band41	15MHz	16QAM	41515	75RB#0	24.11	26.01	33	PASS
Band41	15MHz	64QAM	39725	1RB#0	24.34	26.24	33	PASS
Band41	15MHz	64QAM	39725	1RB#38	24.45	26.35	33	PASS
Band41	15MHz	64QAM	39725	1RB#74	24.5	26.4	33	PASS
Band41	15MHz	64QAM	39725	75RB#0	23.23	25.13	33	PASS
Band41	15MHz	64QAM	40620	1RB#0	24.53	26.43	33	PASS



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Band41	15MHz	64QAM	40620	1RB#74	24.38	26.28	33	PASS
Band41	15MHz	64QAM	40620	75RB#0	23.12	25.02	33	PASS
Band41	15MHz	64QAM	41515	1RB#0	24.31	26.21	33	PASS
Band41	15MHz	64QAM	41515	1RB#38	24.39	26.29	33	PASS
Band41	15MHz	64QAM	41515	1RB#74	24.3	26.2	33	PASS
Band41	15MHz	64QAM	41515	75RB#0	23.11	25.01	33	PASS
Band41	15MHz	256QAM	39725	1RB#0	21.17	23.07	33	PASS
Band41	15MHz	256QAM	39725	1RB#38	21.31	23.21	33	PASS
Band41	15MHz	256QAM	39725	1RB#74	21.37	23.27	33	PASS
Band41	15MHz	256QAM	39725	75RB#0	21.25	23.15	33	PASS
Band41	15MHz	256QAM	40620	1RB#0	21.31	23.21	33	PASS
Band41	15MHz	256QAM	40620	1RB#38	21.23	23.13	33	PASS
Band41	15MHz	256QAM	40620	1RB#74	21.28	23.18	33	PASS
Band41	15MHz	256QAM	40620	75RB#0	21.13	23.03	33	PASS
Band41	15MHz	256QAM	41515	1RB#0	21.22	23.12	33	PASS
Band41	15MHz	256QAM	41515	1RB#38	21.26	23.16	33	PASS
Band41	15MHz	256QAM	41515	1RB#74	21.4	23.3	33	PASS
Band41	15MHz	256QAM	41515	75RB#0	21.13	23.03	33	PASS
Band41	20MHz	QPSK	39750	1RB#0	26.24	28.14	33	PASS
Band41	20MHz	QPSK	39750	1RB#49	26.05	27.95	33	PASS
Band41	20MHz	QPSK	39750	1RB#99	26.07	27.97	33	PASS
Band41	20MHz	QPSK	39750	100RB#0	25.16	27.06	33	PASS
Band41	20MHz	QPSK	40620	1RB#0	26.36	28.26	33	PASS
Band41	20MHz	QPSK	40620	1RB#49	26.01	27.91	33	PASS
Band41	20MHz	QPSK	40620	1RB#99	26.07	27.97	33	PASS
Band41	20MHz	QPSK	40620	100RB#0	25.07	26.97	33	PASS
Band41	20MHz	QPSK	41490	1RB#0	26.25	28.15	33	PASS
Band41	20MHz	QPSK	41490	1RB#49	26.12	28.02	33	PASS
Band41	20MHz	QPSK	41490	1RB#99	26.28	28.18	33	PASS
Band41	20MHz	QPSK	41490	100RB#0	25.09	26.99	33	PASS
Band41	20MHz	16QAM	39750	1RB#0	25.04	26.94	33	PASS
Band41	20MHz	16QAM	39750	1RB#49	25.16	27.06	33	PASS



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Band41	20MHz	16QAM	39750	100RB#0	24.2	26.1	33	PASS
Band41	20MHz	16QAM	40620	1RB#0	25.47	27.37	33	PASS
Band41	20MHz	16QAM	40620	1RB#49	25.25	27.15	33	PASS
Band41	20MHz	16QAM	40620	1RB#99	25.15	27.05	33	PASS
Band41	20MHz	16QAM	40620	100RB#0	24.06	25.96	33	PASS
Band41	20MHz	16QAM	41490	1RB#0	25.3	27.2	33	PASS
Band41	20MHz	16QAM	41490	1RB#49	25.24	27.14	33	PASS
Band41	20MHz	16QAM	41490	1RB#99	25.46	27.36	33	PASS
Band41	20MHz	16QAM	41490	100RB#0	24.09	25.99	33	PASS
Band41	20MHz	64QAM	39750	1RB#0	24.28	26.18	33	PASS
Band41	20MHz	64QAM	39750	1RB#49	24.41	26.31	33	PASS
Band41	20MHz	64QAM	39750	1RB#99	24.36	26.26	33	PASS
Band41	20MHz	64QAM	39750	100RB#0	23.2	25.1	33	PASS
Band41	20MHz	64QAM	40620	1RB#0	24.54	26.44	33	PASS
Band41	20MHz	64QAM	40620	1RB#49	24.27	26.17	33	PASS
Band41	20MHz	64QAM	40620	1RB#99	24.42	26.32	33	PASS
Band41	20MHz	64QAM	40620	100RB#0	23.07	24.97	33	PASS
Band41	20MHz	64QAM	41490	1RB#0	24.34	26.24	33	PASS
Band41	20MHz	64QAM	41490	1RB#49	24.44	26.34	33	PASS
Band41	20MHz	64QAM	41490	1RB#99	24.38	26.28	33	PASS
Band41	20MHz	64QAM	41490	100RB#0	23.13	25.03	33	PASS
Band41	20MHz	256QAM	39750	1RB#0	21.21	23.11	33	PASS
Band41	20MHz	256QAM	39750	1RB#49	21.28	23.18	33	PASS
Band41	20MHz	256QAM	39750	1RB#99	21.4	23.3	33	PASS
Band41	20MHz	256QAM	39750	100RB#0	21.22	23.12	33	PASS
Band41	20MHz	256QAM	40620	1RB#0	21.23	23.13	33	PASS
Band41	20MHz	256QAM	40620	1RB#49	21.2	23.1	33	PASS
Band41	20MHz	256QAM	40620	1RB#99	21.22	23.12	33	PASS
Band41	20MHz	256QAM	40620	100RB#0	21.13	23.03	33	PASS
Band41	20MHz	256QAM	41490	1RB#0	21.09	22.99	33	PASS
Band41	20MHz	256QAM	41490	1RB#49	21.17	23.07	33	PASS
Band41	20MHz	256QAM	41490	1RB#99	21.28	23.18	33	PASS



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Band41	20MHz	256QAM	41490	100RB#0	21.13	23.03	33	PASS
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ANT2

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	26.19	28.09	33	PASS
Band41	5MHz	QPSK	39675	1RB#12	26.28	28.18	33	PASS
Band41	5MHz	QPSK	39675	1RB#24	26.23	28.13	33	PASS
Band41	5MHz	QPSK	39675	25RB#0	25.27	27.17	33	PASS
Band41	5MHz	QPSK	40620	1RB#0	26.36	28.26	33	PASS
Band41	5MHz	QPSK	40620	1RB#12	26.43	28.33	33	PASS
Band41	5MHz	QPSK	40620	1RB#24	26.36	28.26	33	PASS
Band41	5MHz	QPSK	40620	25RB#0	25.4	27.3	33	PASS
Band41	5MHz	QPSK	41565	1RB#0	26.88	28.78	33	PASS
Band41	5MHz	QPSK	41565	1RB#12	26.76	28.66	33	PASS
Band41	5MHz	QPSK	41565	1RB#24	26.3	28.2	33	PASS
Band41	5MHz	QPSK	41565	25RB#0	25.83	27.73	33	PASS
Band41	5MHz	16QAM	39675	1RB#0	25.32	27.22	33	PASS
Band41	5MHz	16QAM	39675	1RB#12	25.34	27.24	33	PASS
Band41	5MHz	16QAM	39675	1RB#24	25.34	27.24	33	PASS
Band41	5MHz	16QAM	39675	25RB#0	24.27	26.17	33	PASS
Band41	5MHz	16QAM	40620	1RB#0	25.69	27.59	33	PASS
Band41	5MHz	16QAM	40620	1RB#12	25.58	27.48	33	PASS
Band41	5MHz	16QAM	40620	1RB#24	25.53	27.43	33	PASS
Band41	5MHz	16QAM	40620	25RB#0	24.43	26.33	33	PASS
Band41	5MHz	16QAM	41565	1RB#0	25.62	27.52	33	PASS
Band41	5MHz	16QAM	41565	1RB#12	25.71	27.61	33	PASS
Band41	5MHz	16QAM	41565	1RB#24	25.66	27.56	33	PASS
Band41	5MHz	16QAM	41565	25RB#0	24.9	26.8	33	PASS
Band41	5MHz	64QAM	39675	1RB#0	24.55	26.45	33	PASS
Band41	5MHz	64QAM	39675	1RB#12	24.57	26.47	33	PASS
Band41	5MHz	64QAM	39675	1RB#24	24.56	26.46	33	PASS
Band41	5MHz	64QAM	39675	25RB#0	23.29	25.19	33	PASS
Band41	5MHz	64QAM	40620	1RB#0	24.77	26.67	33	PASS
Band41	5MHz	64QAM	40620	1RB#12	24.78	26.68	33	PASS



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Band41	5MHz	64QAM	40620	1RB#24	24.75	26.65	33	PASS
Band41	5MHz	64QAM	40620	25RB#0	23.42	25.32	33	PASS
Band41	5MHz	64QAM	41565	1RB#0	24.74	26.64	33	PASS
Band41	5MHz	64QAM	41565	1RB#12	24.87	26.77	33	PASS
Band41	5MHz	64QAM	41565	1RB#24	25.18	27.08	33	PASS
Band41	5MHz	64QAM	41565	25RB#0	24.2	26.1	33	PASS
Band41	5MHz	256QAM	39675	1RB#0	21.31	23.21	33	PASS
Band41	5MHz	256QAM	39675	1RB#12	21.41	23.31	33	PASS
Band41	5MHz	256QAM	39675	1RB#24	21.26	23.16	33	PASS
Band41	5MHz	256QAM	39675	25RB#0	21.26	23.16	33	PASS
Band41	5MHz	256QAM	40620	1RB#0	21.58	23.48	33	PASS
Band41	5MHz	256QAM	40620	1RB#12	21.61	23.51	33	PASS
Band41	5MHz	256QAM	40620	1RB#24	21.63	23.53	33	PASS
Band41	5MHz	256QAM	40620	25RB#0	21.44	23.34	33	PASS
Band41	5MHz	256QAM	41565	1RB#0	21.53	23.43	33	PASS
Band41	5MHz	256QAM	41565	1RB#12	21.59	23.49	33	PASS
Band41	5MHz	256QAM	41565	1RB#24	21.53	23.43	33	PASS
Band41	5MHz	256QAM	41565	25RB#0	21.46	23.36	33	PASS
Band41	10MHz	QPSK	39700	1RB#0	26.24	28.14	33	PASS
Band41	10MHz	QPSK	39700	1RB#24	26.28	28.18	33	PASS
Band41	10MHz	QPSK	39700	1RB#49	26.22	28.12	33	PASS
Band41	10MHz	QPSK	39700	50RB#0	25.28	27.18	33	PASS
Band41	10MHz	QPSK	40620	1RB#0	26.12	28.02	33	PASS
Band41	10MHz	QPSK	40620	1RB#24	26.45	28.35	33	PASS
Band41	10MHz	QPSK	40620	1RB#49	26.37	28.27	33	PASS
Band41	10MHz	QPSK	40620	50RB#0	25.39	27.29	33	PASS
Band41	10MHz	QPSK	41540	1RB#0	26.33	28.23	33	PASS
Band41	10MHz	QPSK	41540	1RB#24	26.29	28.19	33	PASS
Band41	10MHz	QPSK	41540	1RB#49	26.28	28.18	33	PASS
Band41	10MHz	QPSK	41540	50RB#0	25.36	27.26	33	PASS
Band41	10MHz	16QAM	39700	1RB#0	25.3	27.2	33	PASS
Band41	10MHz	16QAM	39700	1RB#24	25.42	27.32	33	PASS
Band41	10MHz	16QAM	39700	1RB#49	25.32	27.22	33	PASS



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Band41	10MHz	16QAM	39700	50RB#0	24.28	26.18	33	PASS
Band41	10MHz	16QAM	40620	1RB#0	25.72	27.62	33	PASS
Band41	10MHz	16QAM	40620	1RB#24	25.56	27.46	33	PASS
Band41	10MHz	16QAM	40620	1RB#49	25.54	27.44	33	PASS
Band41	10MHz	16QAM	40620	50RB#0	24.41	26.31	33	PASS
Band41	10MHz	16QAM	41540	1RB#0	25.47	27.37	33	PASS
Band41	10MHz	16QAM	41540	1RB#24	25.53	27.43	33	PASS
Band41	10MHz	16QAM	41540	1RB#49	25.44	27.34	33	PASS
Band41	10MHz	16QAM	41540	50RB#0	24.4	26.3	33	PASS
Band41	10MHz	64QAM	39700	1RB#0	24.67	26.57	33	PASS
Band41	10MHz	64QAM	39700	1RB#24	24.67	26.57	33	PASS
Band41	10MHz	64QAM	39700	1RB#49	24.6	26.5	33	PASS
Band41	10MHz	64QAM	39700	50RB#0	23.32	25.22	33	PASS
Band41	10MHz	64QAM	40620	1RB#0	24.8	26.7	33	PASS
Band41	10MHz	64QAM	40620	1RB#24	24.83	26.73	33	PASS
Band41	10MHz	64QAM	40620	1RB#49	24.77	26.67	33	PASS
Band41	10MHz	64QAM	40620	50RB#0	23.44	25.34	33	PASS
Band41	10MHz	64QAM	41540	1RB#0	24.76	26.66	33	PASS
Band41	10MHz	64QAM	41540	1RB#24	24.84	26.74	33	PASS
Band41	10MHz	64QAM	41540	1RB#49	24.81	26.71	33	PASS
Band41	10MHz	64QAM	41540	50RB#0	23.08	24.98	33	PASS
Band41	10MHz	256QAM	39700	1RB#0	21.45	23.35	33	PASS
Band41	10MHz	256QAM	39700	1RB#24	21.43	23.33	33	PASS
Band41	10MHz	256QAM	39700	1RB#49	21.47	23.37	33	PASS
Band41	10MHz	256QAM	39700	50RB#0	21.33	23.23	33	PASS
Band41	10MHz	256QAM	40620	1RB#0	21.57	23.47	33	PASS
Band41	10MHz	256QAM	40620	1RB#24	21.62	23.52	33	PASS
Band41	10MHz	256QAM	40620	1RB#49	21.63	23.53	33	PASS
Band41	10MHz	256QAM	40620	50RB#0	21.49	23.39	33	PASS
Band41	10MHz	256QAM	41540	1RB#0	21.47	23.37	33	PASS
Band41	10MHz	256QAM	41540	1RB#24	21.6	23.5	33	PASS
Band41	10MHz	256QAM	41540	1RB#49	21.5	23.4	33	PASS
Band41	10MHz	256QAM	41540	50RB#0	21.43	23.33	33	PASS



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Band41	15MHz	QPSK	39725	1RB#0	26.08	27.98	33	PASS
Band41	15MHz	QPSK	39725	1RB#38	26.18	28.08	33	PASS
Band41	15MHz	QPSK	39725	1RB#74	26.01	27.91	33	PASS
Band41	15MHz	QPSK	39725	75RB#0	25.16	27.06	33	PASS
Band41	15MHz	QPSK	40620	1RB#0	26.63	28.53	33	PASS
Band41	15MHz	QPSK	40620	1RB#38	26.31	28.21	33	PASS
Band41	15MHz	QPSK	40620	1RB#74	26.25	28.15	33	PASS
Band41	15MHz	QPSK	40620	75RB#0	25.29	27.19	33	PASS
Band41	15MHz	QPSK	41515	1RB#0	26.52	28.42	33	PASS
Band41	15MHz	QPSK	41515	1RB#38	26.51	28.41	33	PASS
Band41	15MHz	QPSK	41515	1RB#74	26.27	28.17	33	PASS
Band41	15MHz	QPSK	41515	75RB#0	25.21	27.11	33	PASS
Band41	15MHz	16QAM	39725	1RB#0	25.11	27.01	33	PASS
Band41	15MHz	16QAM	39725	1RB#38	25.24	27.14	33	PASS
Band41	15MHz	16QAM	39725	1RB#74	25.07	26.97	33	PASS
Band41	15MHz	16QAM	39725	75RB#0	24.21	26.11	33	PASS
Band41	15MHz	16QAM	40620	1RB#0	25.55	27.45	33	PASS
Band41	15MHz	16QAM	40620	1RB#38	25.38	27.28	33	PASS
Band41	15MHz	16QAM	40620	1RB#74	25.36	27.26	33	PASS
Band41	15MHz	16QAM	40620	75RB#0	24.31	26.21	33	PASS
Band41	15MHz	16QAM	41515	1RB#0	25.31	27.21	33	PASS
Band41	15MHz	16QAM	41515	1RB#38	25.18	27.08	33	PASS
Band41	15MHz	16QAM	41515	1RB#74	25.44	27.34	33	PASS
Band41	15MHz	16QAM	41515	75RB#0	24.26	26.16	33	PASS
Band41	15MHz	64QAM	39725	1RB#0	24.21	26.11	33	PASS
Band41	15MHz	64QAM	39725	1RB#38	24.57	26.47	33	PASS
Band41	15MHz	64QAM	39725	1RB#74	24.28	26.18	33	PASS
Band41	15MHz	64QAM	39725	75RB#0	23.18	25.08	33	PASS
Band41	15MHz	64QAM	40620	1RB#0	24.65	26.55	33	PASS
Band41	15MHz	64QAM	40620	1RB#38	24.6	26.5	33	PASS
Band41	15MHz	64QAM	40620	1RB#74	24.58	26.48	33	PASS
Band41	15MHz	64QAM	40620	75RB#0	23.34	25.24	33	PASS
Band41	15MHz	64QAM	41515	1RB#0	24.46	26.36	33	PASS



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Band41	15MHz	64QAM	41515	1RB#74	24.9	26.8	33	PASS
Band41	15MHz	64QAM	41515	75RB#0	23.27	25.17	33	PASS
Band41	15MHz	256QAM	39725	1RB#0	21.12	23.02	33	PASS
Band41	15MHz	256QAM	39725	1RB#38	21.27	23.17	33	PASS
Band41	15MHz	256QAM	39725	1RB#74	21.33	23.23	33	PASS
Band41	15MHz	256QAM	39725	75RB#0	21.23	23.13	33	PASS
Band41	15MHz	256QAM	40620	1RB#0	21.4	23.3	33	PASS
Band41	15MHz	256QAM	40620	1RB#38	21.54	23.44	33	PASS
Band41	15MHz	256QAM	40620	1RB#74	21.52	23.42	33	PASS
Band41	15MHz	256QAM	40620	75RB#0	21.36	23.26	33	PASS
Band41	15MHz	256QAM	41515	1RB#0	21.4	23.3	33	PASS
Band41	15MHz	256QAM	41515	1RB#38	21.36	23.26	33	PASS
Band41	15MHz	256QAM	41515	1RB#74	21.39	23.29	33	PASS
Band41	15MHz	256QAM	41515	75RB#0	21.29	23.19	33	PASS
Band41	20MHz	QPSK	39750	1RB#0	26.1	28	33	PASS
Band41	20MHz	QPSK	39750	1RB#49	26.18	28.08	33	PASS
Band41	20MHz	QPSK	39750	1RB#99	26.06	27.96	33	PASS
Band41	20MHz	QPSK	39750	100RB#0	25.17	27.07	33	PASS
Band41	20MHz	QPSK	40620	1RB#0	26.36	28.26	33	PASS
Band41	20MHz	QPSK	40620	1RB#49	26.25	28.15	33	PASS
Band41	20MHz	QPSK	40620	1RB#99	26.22	28.12	33	PASS
Band41	20MHz	QPSK	40620	100RB#0	25.32	27.22	33	PASS
Band41	20MHz	QPSK	41490	1RB#0	26.77	28.67	33	PASS
Band41	20MHz	QPSK	41490	1RB#49	26.43	28.33	33	PASS
Band41	20MHz	QPSK	41490	1RB#99	26.57	28.47	33	PASS
Band41	20MHz	QPSK	41490	100RB#0	25.27	27.17	33	PASS
Band41	20MHz	16QAM	39750	1RB#0	25.08	26.98	33	PASS
Band41	20MHz	16QAM	39750	1RB#49	25.12	27.02	33	PASS
Band41	20MHz	16QAM	39750	1RB#99	25.14	27.04	33	PASS
Band41	20MHz	16QAM	39750	100RB#0	24.18	26.08	33	PASS
Band41	20MHz	16QAM	40620	1RB#0	25.47	27.37	33	PASS
Band41	20MHz	16QAM	40620	1RB#49	25.41	27.31	33	PASS



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Band41	20MHz	16QAM	40620	1RB#99	25.34	27.24	33	PASS
Band41	20MHz	16QAM	40620	100RB#0	24.34	26.24	33	PASS
Band41	20MHz	16QAM	41490	1RB#0	25.49	27.39	33	PASS
Band41	20MHz	16QAM	41490	1RB#49	25.17	27.07	33	PASS
Band41	20MHz	16QAM	41490	1RB#99	25.67	27.57	33	PASS
Band41	20MHz	16QAM	41490	100RB#0	24.28	26.18	33	PASS
Band41	20MHz	64QAM	39750	1RB#0	24.32	26.22	33	PASS
Band41	20MHz	64QAM	39750	1RB#49	24.44	26.34	33	PASS
Band41	20MHz	64QAM	39750	1RB#99	24.21	26.11	33	PASS
Band41	20MHz	64QAM	39750	100RB#0	23.16	25.06	33	PASS
Band41	20MHz	64QAM	40620	1RB#0	24.67	26.57	33	PASS
Band41	20MHz	64QAM	40620	1RB#49	24.69	26.59	33	PASS
Band41	20MHz	64QAM	40620	1RB#99	24.57	26.47	33	PASS
Band41	20MHz	64QAM	40620	100RB#0	23.31	25.21	33	PASS
Band41	20MHz	64QAM	41490	1RB#0	24.58	26.48	33	PASS
Band41	20MHz	64QAM	41490	1RB#49	24.62	26.52	33	PASS
Band41	20MHz	64QAM	41490	1RB#99	24.65	26.55	33	PASS
Band41	20MHz	64QAM	41490	100RB#0	23.3	25.2	33	PASS
Band41	20MHz	256QAM	39750	1RB#0	21.26	23.16	33	PASS
Band41	20MHz	256QAM	39750	1RB#49	21.4	23.3	33	PASS
Band41	20MHz	256QAM	39750	1RB#99	21.32	23.22	33	PASS
Band41	20MHz	256QAM	39750	100RB#0	21.19	23.09	33	PASS
Band41	20MHz	256QAM	40620	1RB#0	21.44	23.34	33	PASS
Band41	20MHz	256QAM	40620	1RB#49	21.37	23.27	33	PASS
Band41	20MHz	256QAM	40620	1RB#99	21.46	23.36	33	PASS
Band41	20MHz	256QAM	40620	100RB#0	21.37	23.27	33	PASS
Band41	20MHz	256QAM	41490	1RB#0	21.48	23.38	33	PASS
Band41	20MHz	256QAM	41490	1RB#49	21.46	23.36	33	PASS
Band41	20MHz	256QAM	41490	1RB#99	21.28	23.18	33	PASS
Band41	20MHz	256QAM	41490	100RB#0	21.3	23.2	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	20MHz	QPSK	39750	100RB#0	7.30	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.96	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.52	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	8.00	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	8.22	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	8.10	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	8.42	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	8.48	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	8.54	13	PASS
Band41	20MHz	256QAM	39750	100RB#0	8.76	13	PASS
Band41	20MHz	256QAM	40620	100RB#0	8.68	13	PASS
Band41	20MHz	256QAM	41490	100RB#0	8.72	13	PASS



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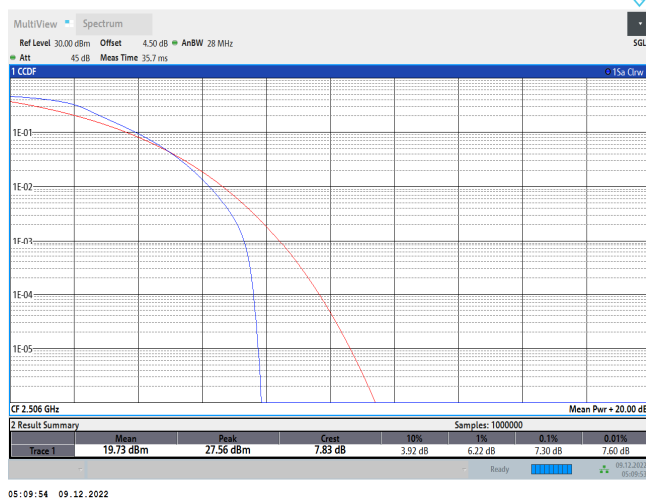
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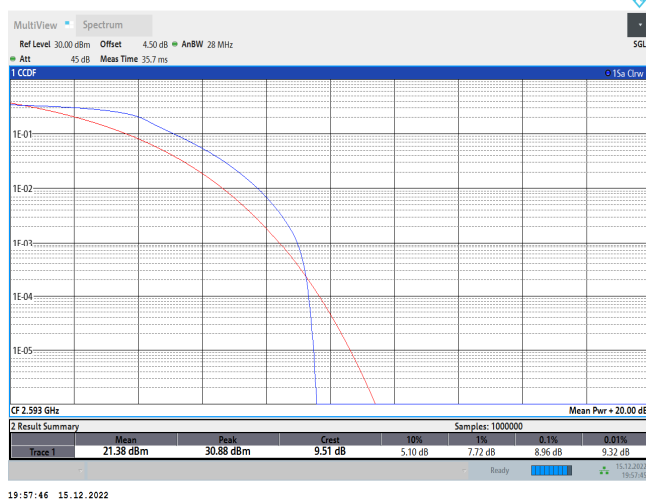
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Test Graphs

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



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



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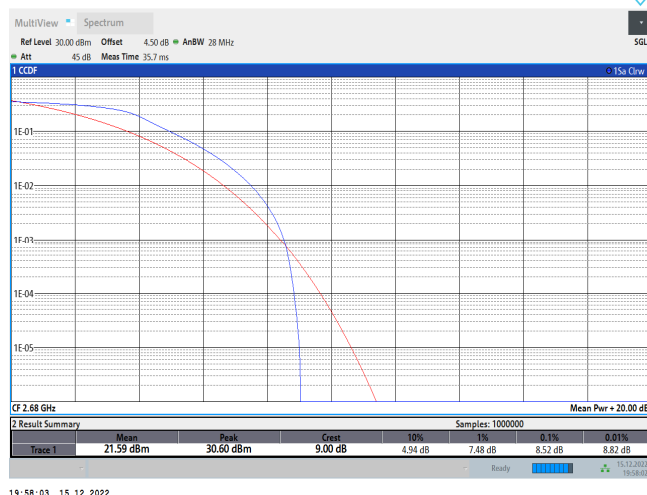
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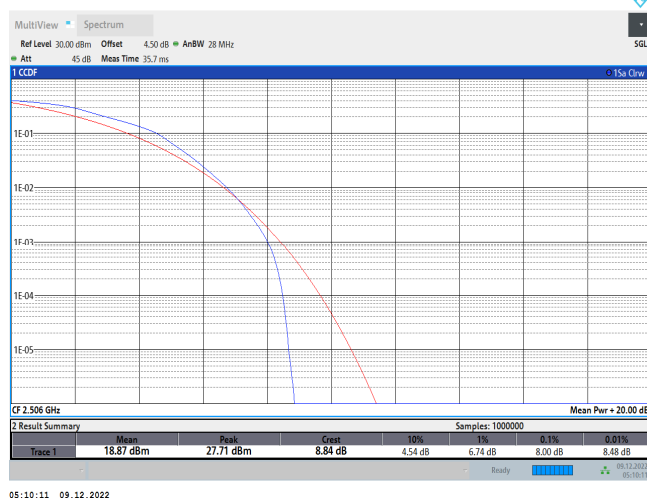
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Band41-20MHz-QPSK-41490-100RB#0



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



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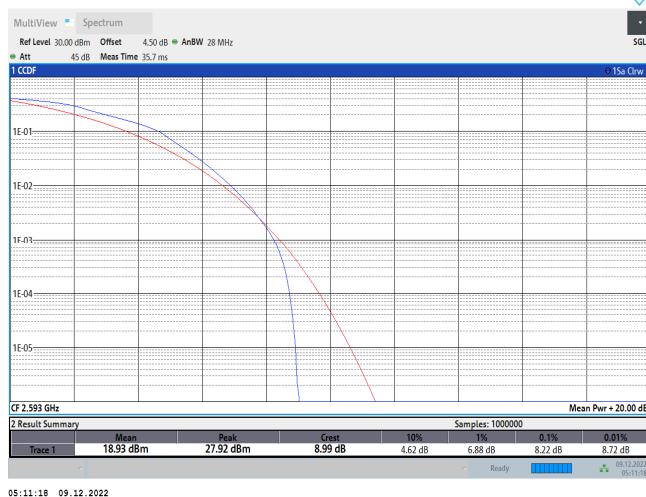
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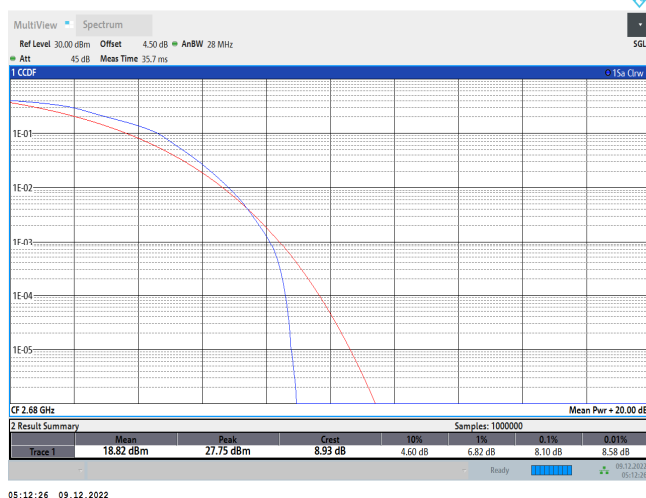
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Band41-20MHz-16QAM-40620-100RB#0



Band41-20MHz-16QAM-41490-100RB#0



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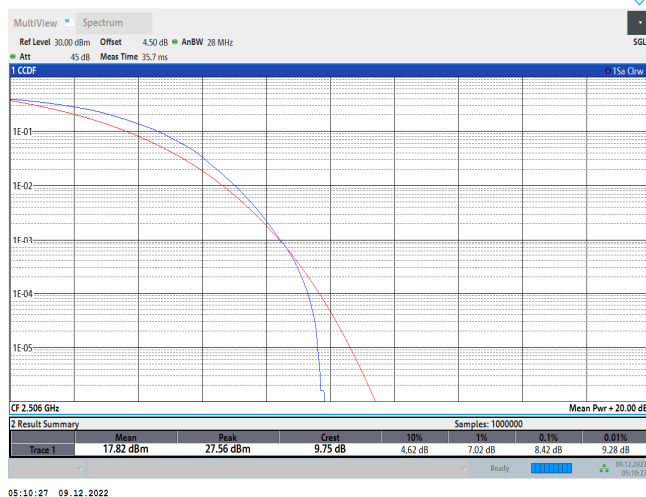
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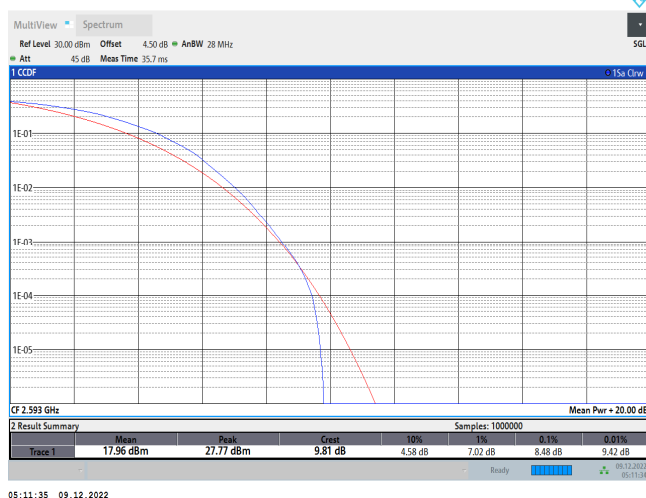
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Band41-20MHz-64QAM-39750-100RB#0



Band41-20MHz-64QAM-40620-100RB#0



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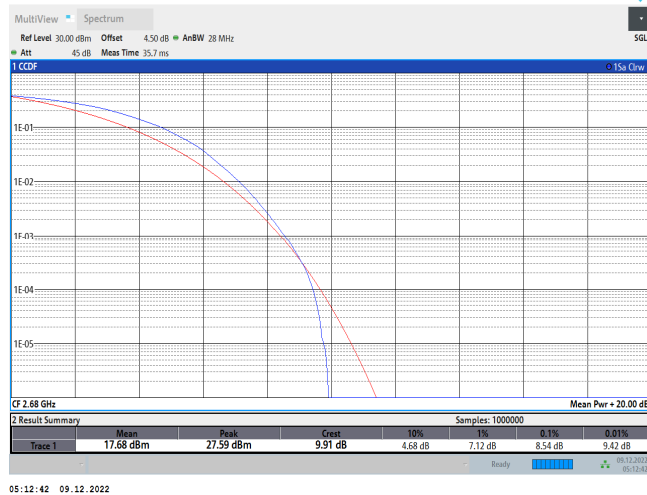
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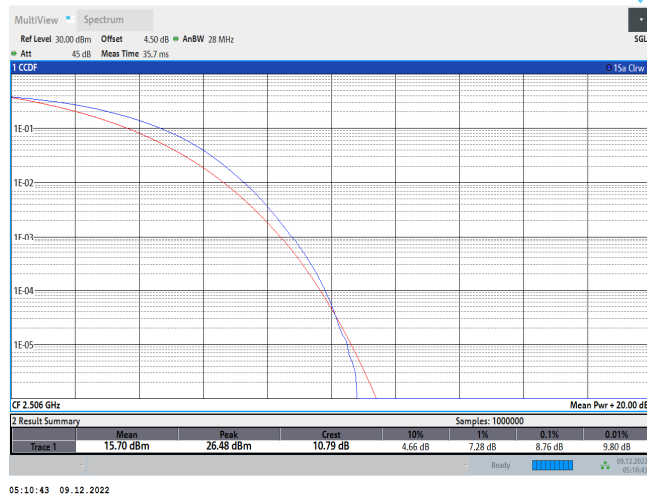
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Band41-20MHz-64QAM-41490-100RB#0



Band41-20MHz-256QAM-39750-100RB#0



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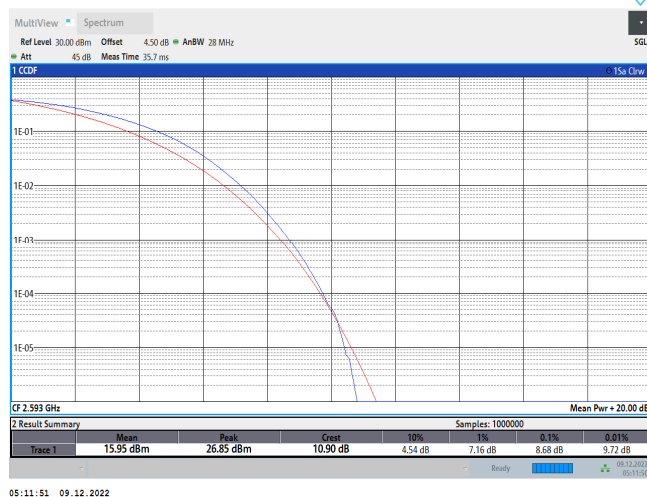
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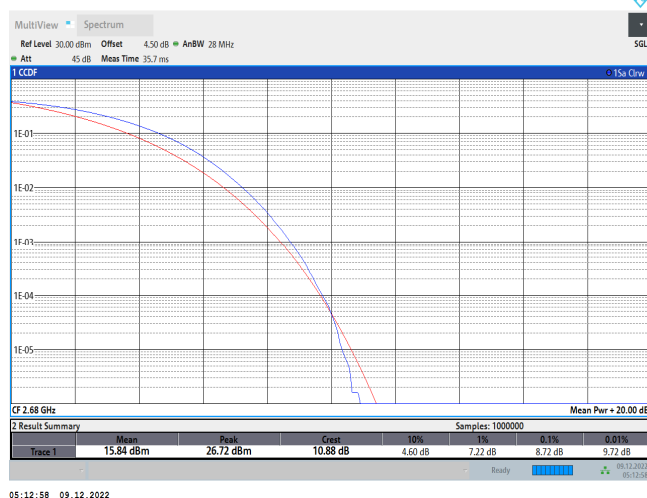
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Band41-20MHz-256QAM-40620-100RB#0



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band41	20MHz	QPSK	40620	100RB#0	PASS	PASS
Band41	20MHz	16QAM	40620	100RB#0	PASS	PASS
Band41	20MHz	64QAM	40620	100RB#0	PASS	PASS
Band41	20MHz	256QAM	40620	100RB#0	PASS	PASS



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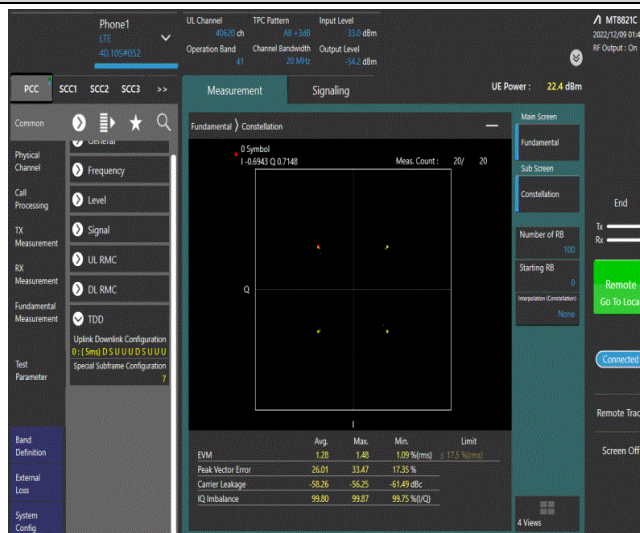
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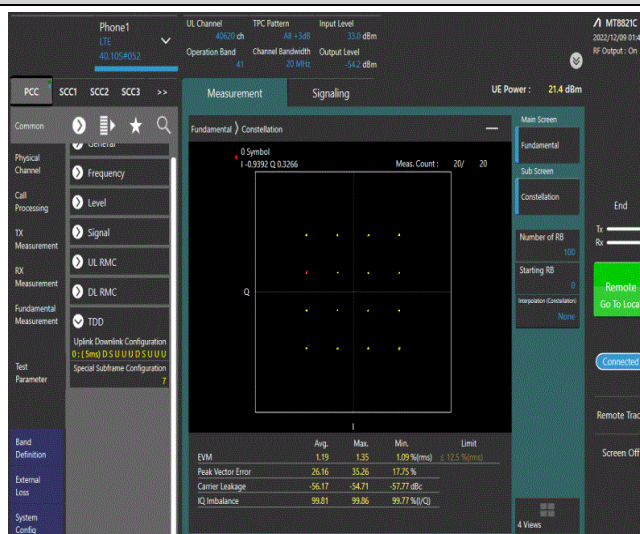
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Test Graphs

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



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



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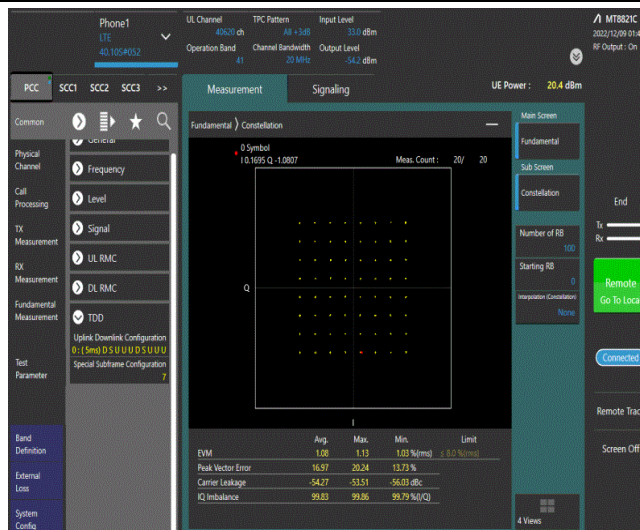
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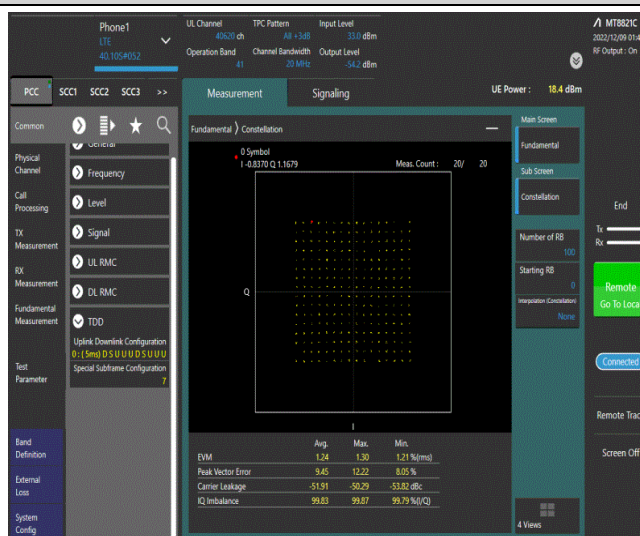
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Band41-20MHz-64QAM-40620-100RB#0



Band41-20MHz-256QAM-40620-100RB#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
Band41	5MHz	QPSK	39675	25RB#0	4.481	5.09	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.48	5.00	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.474	5.07	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.485	5.08	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.479	5.06	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.481	5.08	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.477	5.03	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.476	4.94	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.477	5.08	PASS
Band41	5MHz	256QAM	39675	25RB#0	4.476	4.97	PASS
Band41	5MHz	256QAM	40620	25RB#0	4.482	5.00	PASS
Band41	5MHz	256QAM	41565	25RB#0	4.472	5.05	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.953	9.86	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.961	9.88	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.941	9.80	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.954	9.82	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.94	9.86	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.945	9.88	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.95	9.86	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.93	9.82	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.948	9.88	PASS
Band41	10MHz	256QAM	39700	50RB#0	8.938	9.86	PASS
Band41	10MHz	256QAM	40620	50RB#0	8.938	9.92	PASS
Band41	10MHz	256QAM	41540	50RB#0	8.933	10.02	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.474	15.00	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.47	14.97	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.491	15.06	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.47	15.00	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.485	14.94	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.506	14.91	PASS



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Band41	15MHz	64QAM	39725	75RB#0	13.471	15.00	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.471	15.03	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.487	14.97	PASS
Band41	15MHz	256QAM	39725	75RB#0	13.466	15.00	PASS
Band41	15MHz	256QAM	40620	75RB#0	13.476	14.94	PASS
Band41	15MHz	256QAM	41515	75RB#0	13.474	14.94	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.909	19.60	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.91	19.76	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.902	19.68	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.943	19.64	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.909	19.56	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.933	19.84	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.919	19.48	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.912	19.72	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.905	19.72	PASS
Band41	20MHz	256QAM	39750	100RB#0	17.896	19.64	PASS
Band41	20MHz	256QAM	40620	100RB#0	17.933	19.68	PASS
Band41	20MHz	256QAM	41490	100RB#0	17.924	19.72	PASS



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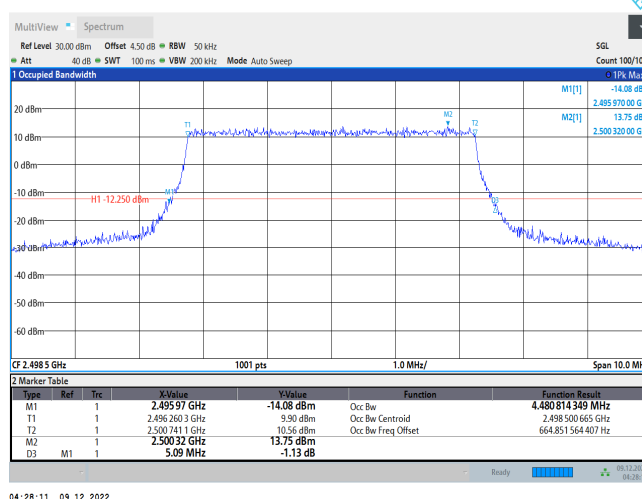
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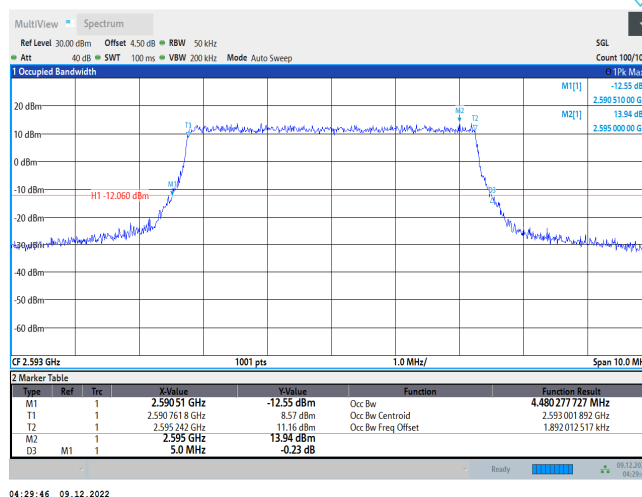
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Test Graphs

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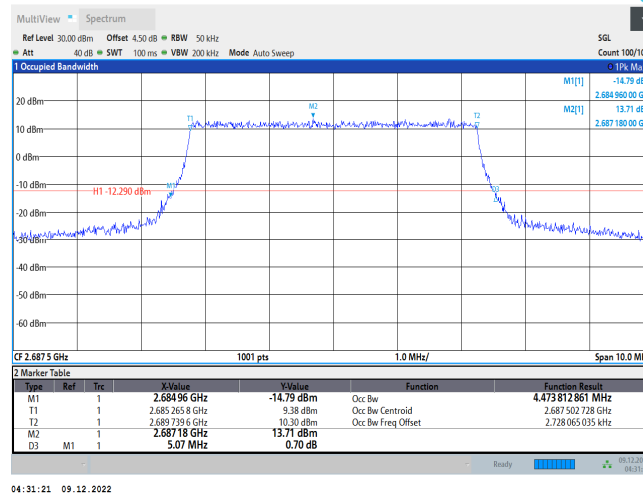


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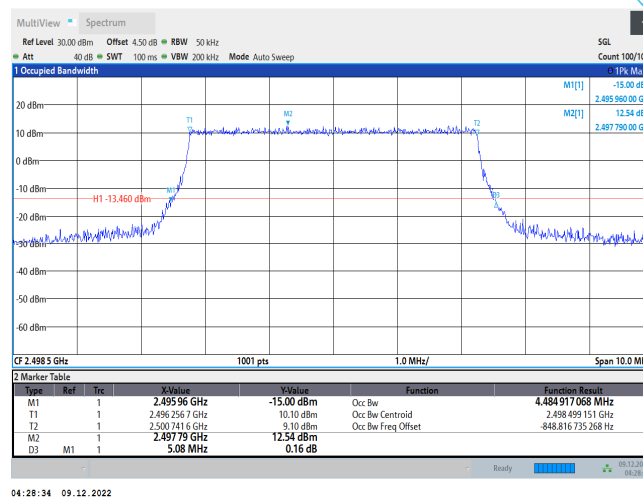
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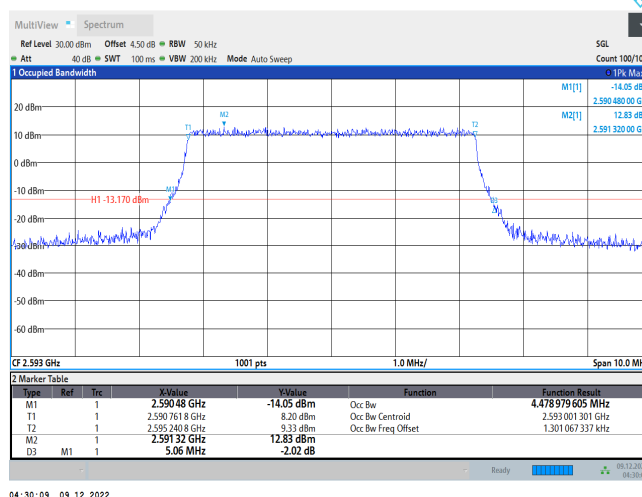
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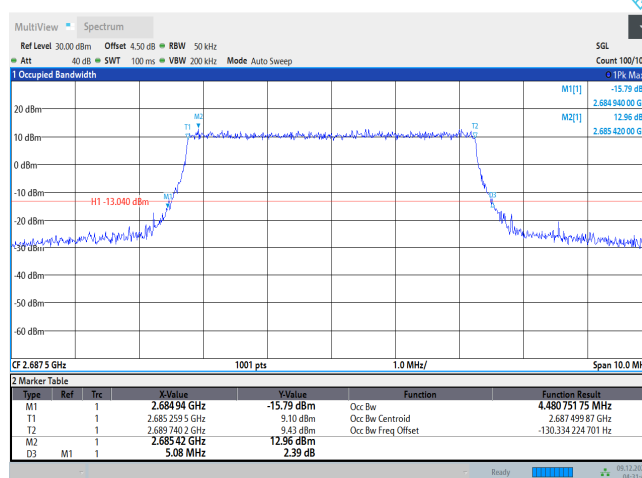
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Band41-5MHz-16QAM-41565-25RB#0



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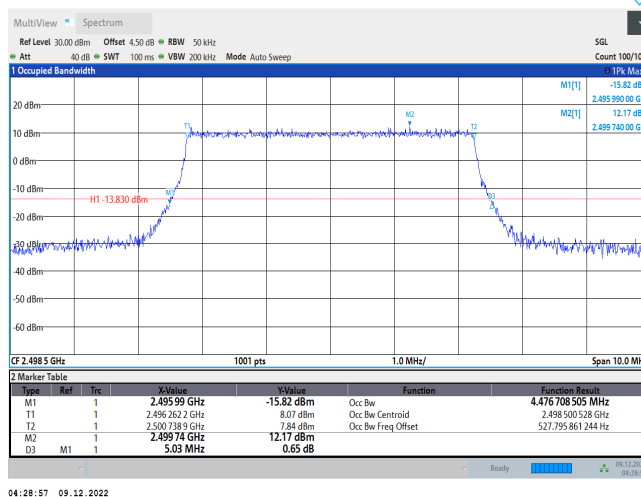
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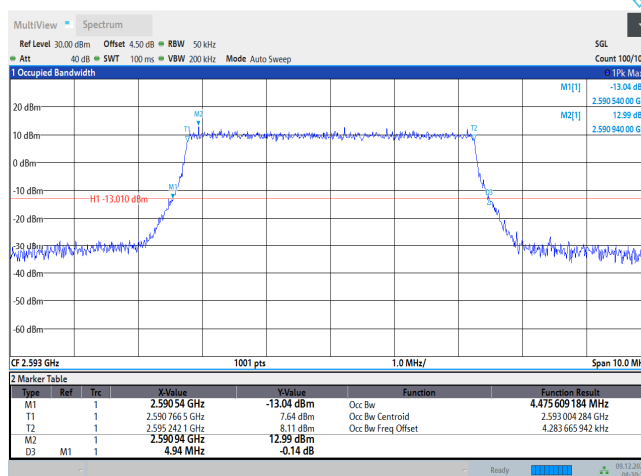
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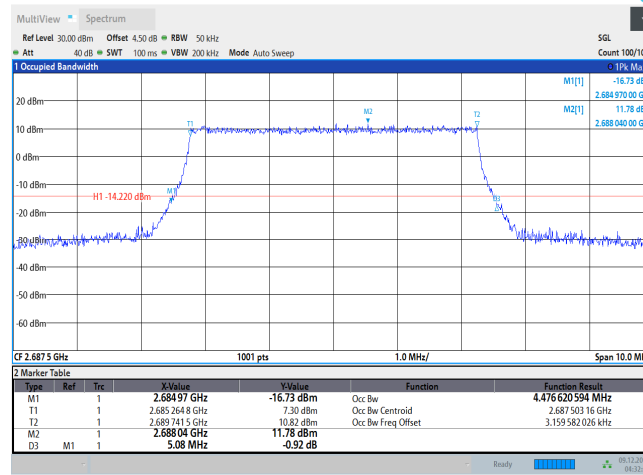
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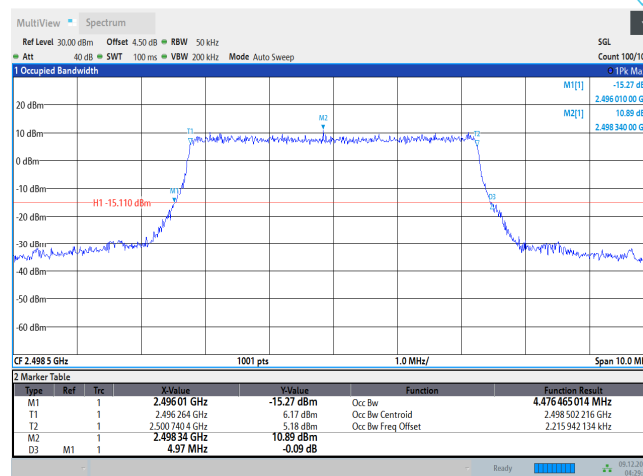
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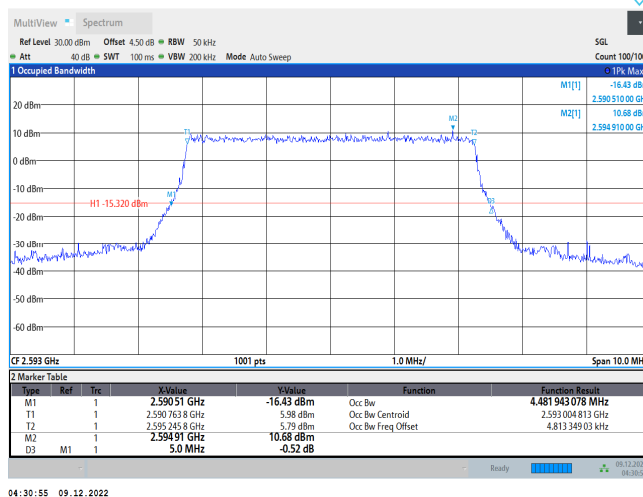
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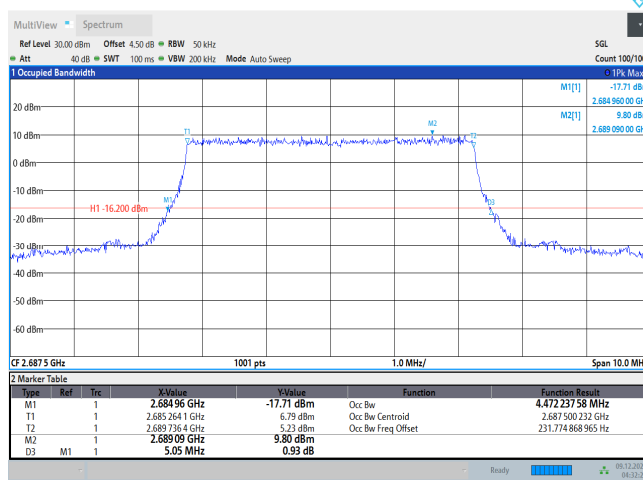
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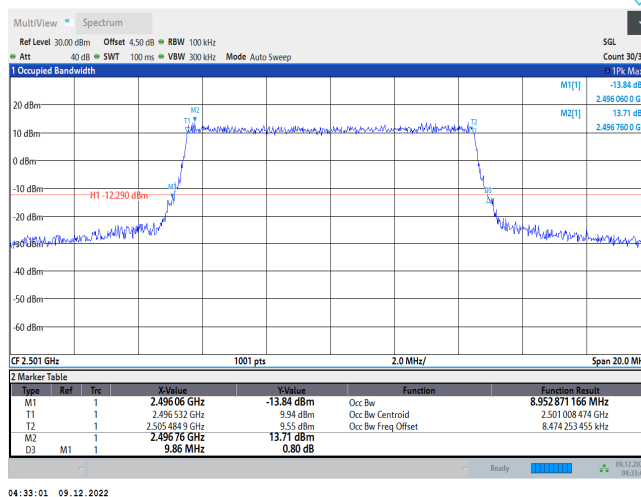
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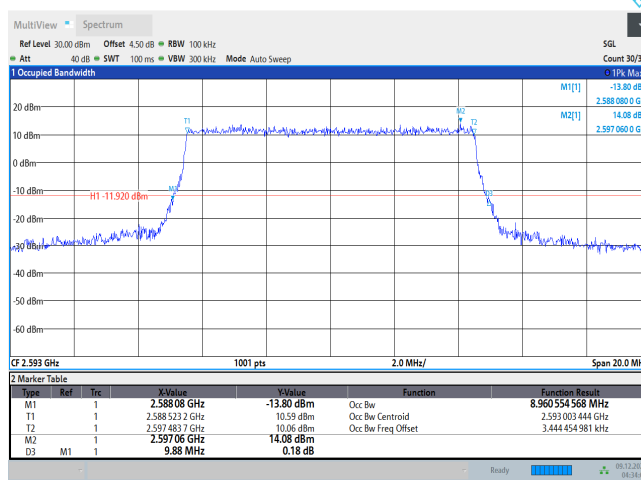
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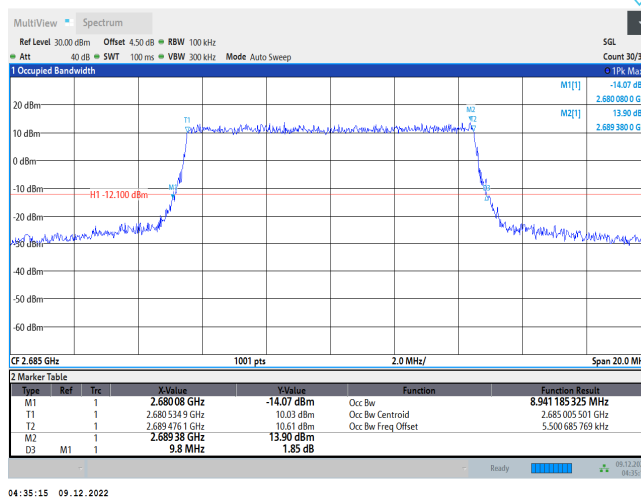
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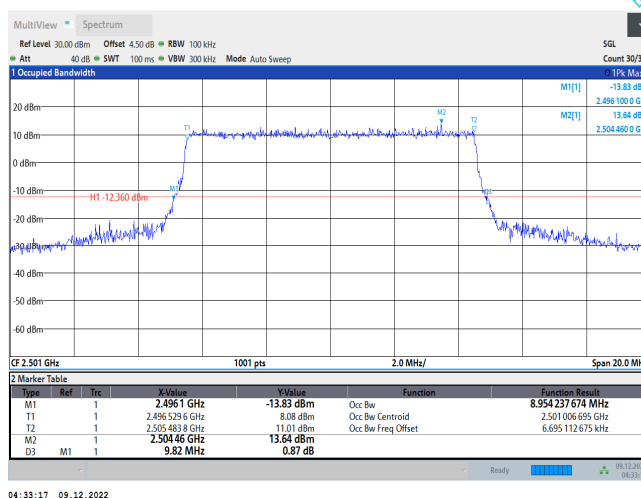
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Band41-10MHz-16QAM-39700-50RB#0



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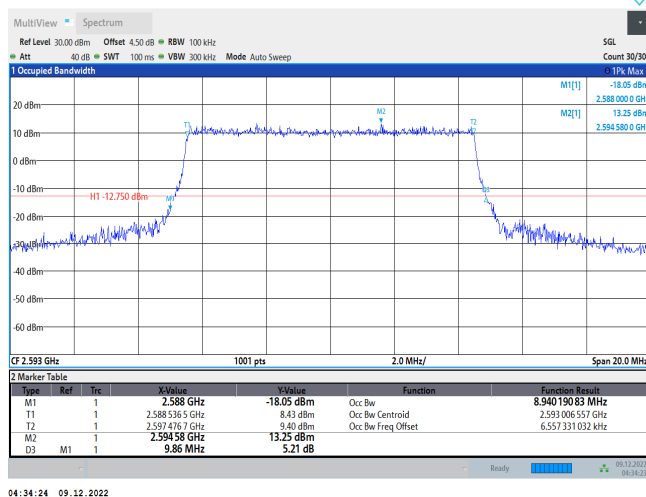
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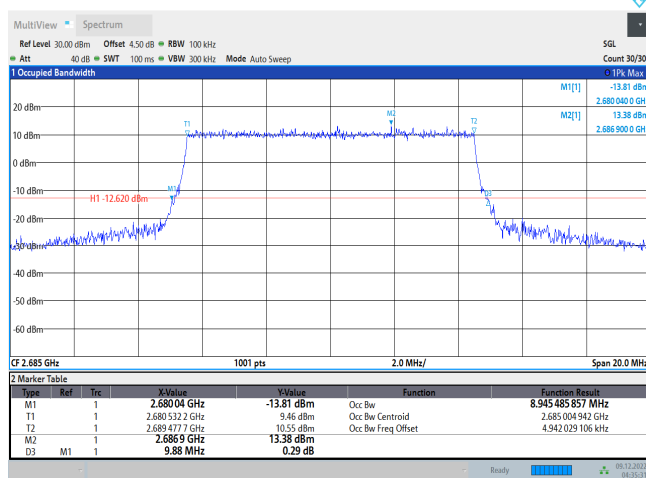
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Band41-10MHz-16QAM-41540-50RB#0



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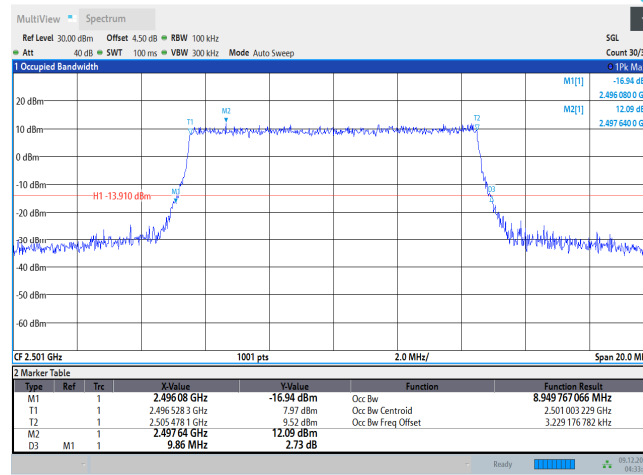
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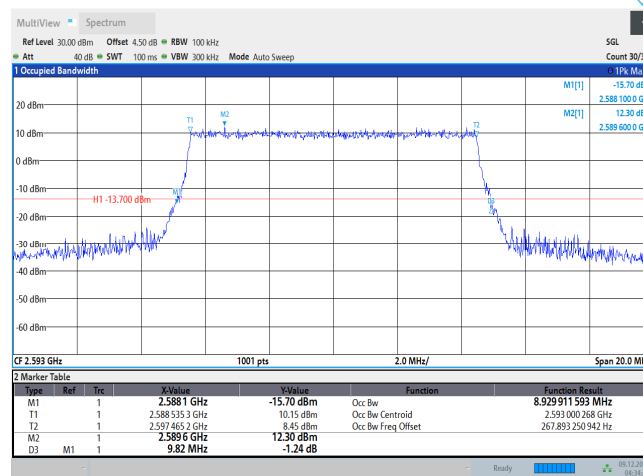
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Band41-10MHz-64QAM-40620-50RB#0



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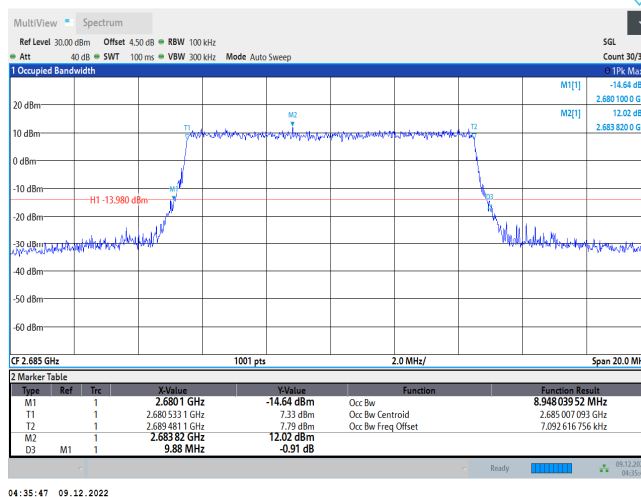
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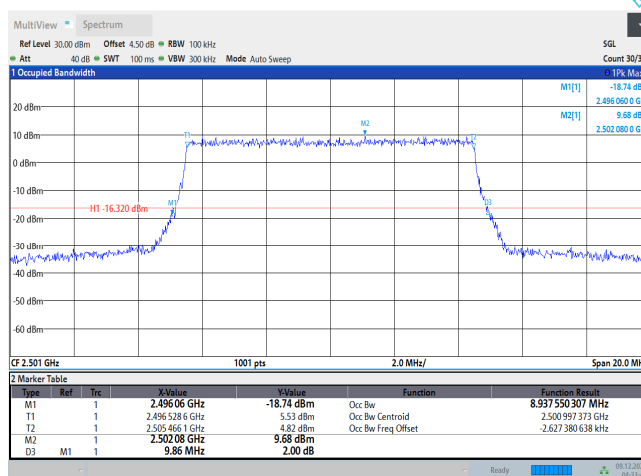
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Band41-10MHz-256QAM-39700-50RB#0



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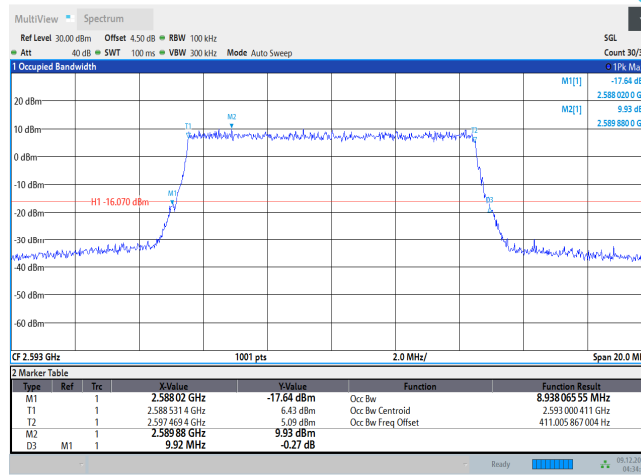
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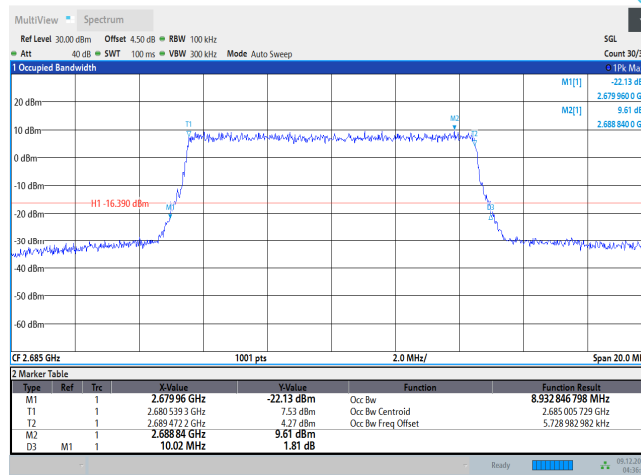
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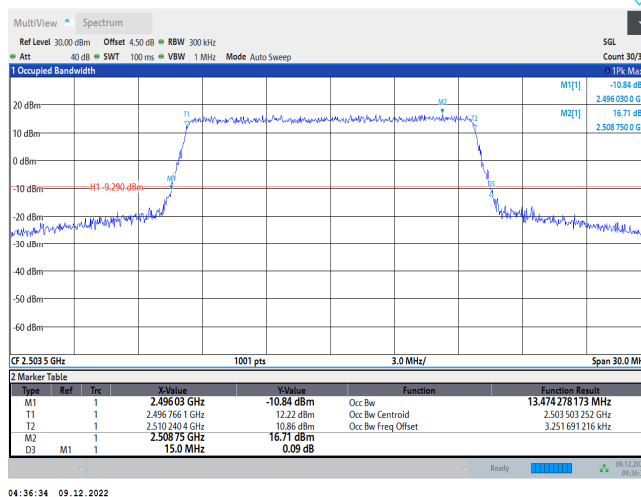
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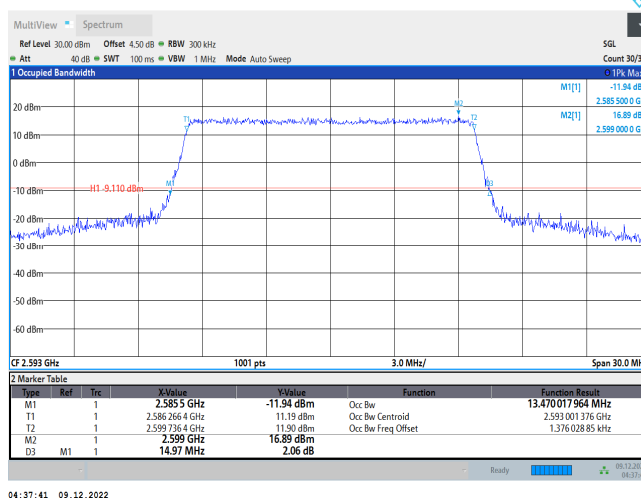
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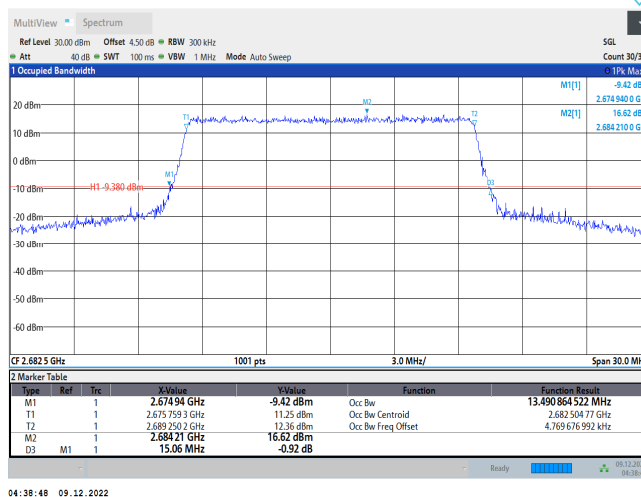
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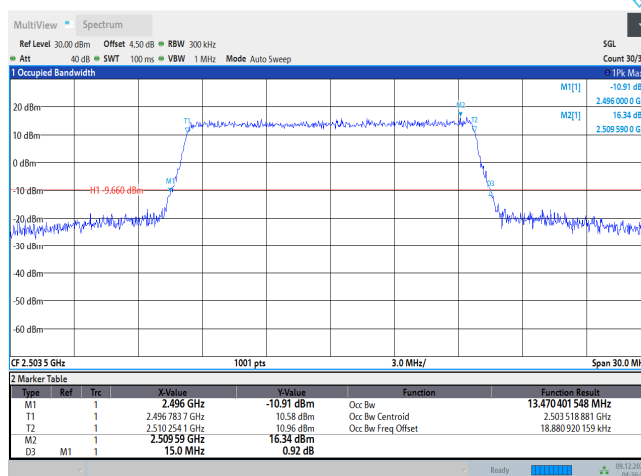
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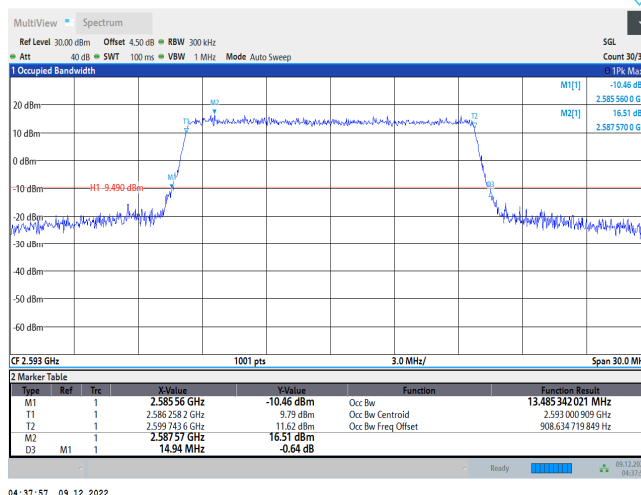
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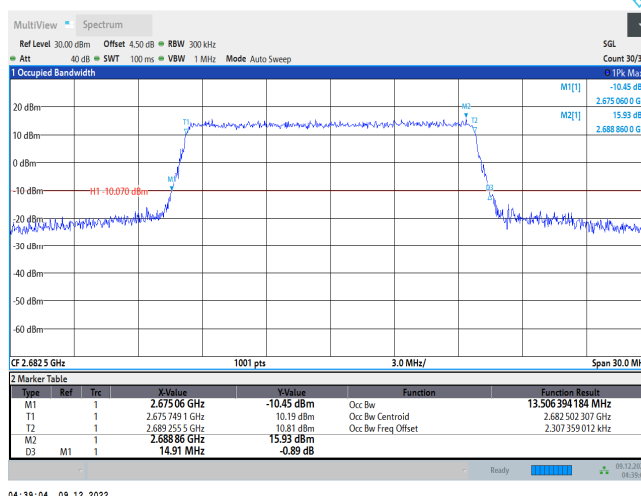
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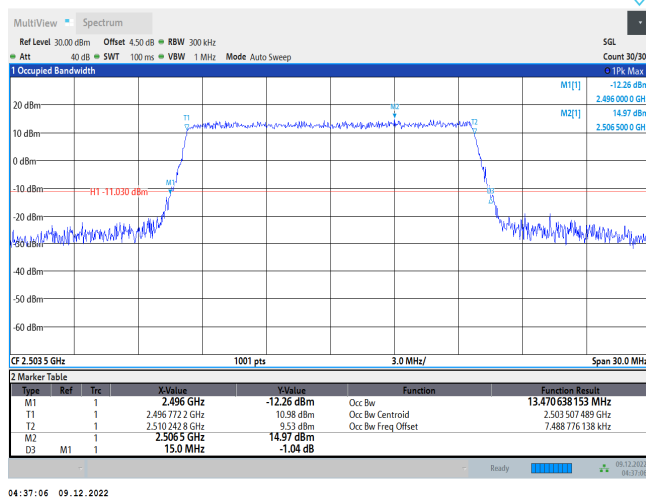
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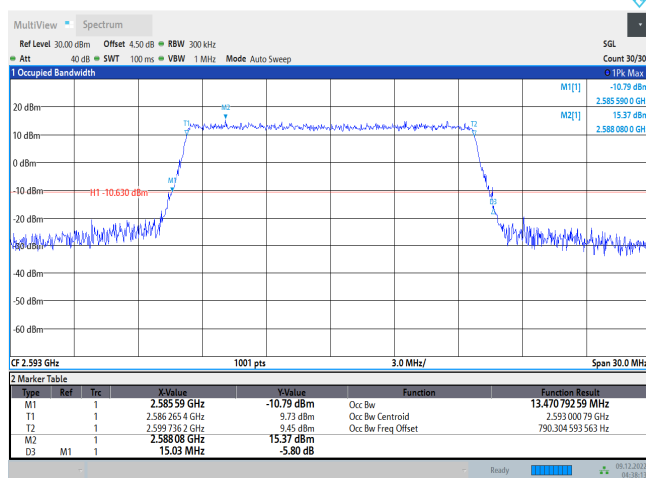
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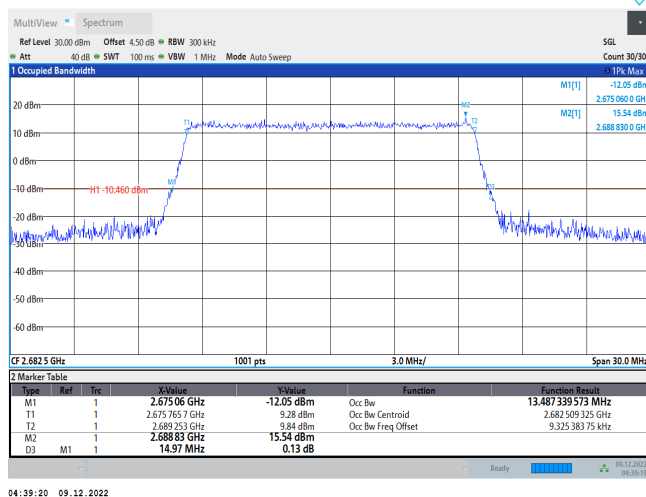
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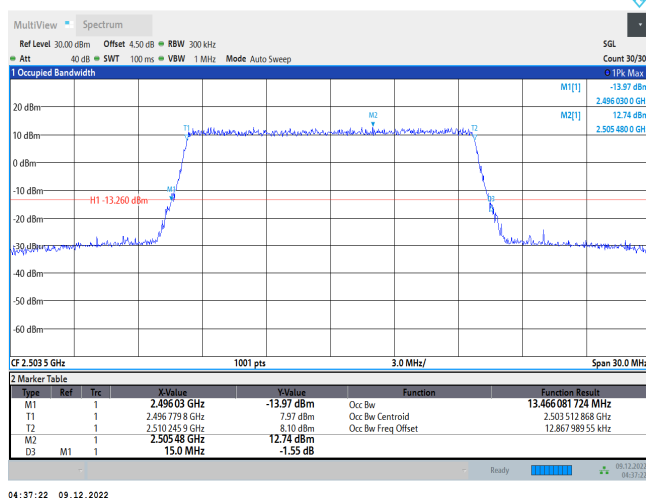
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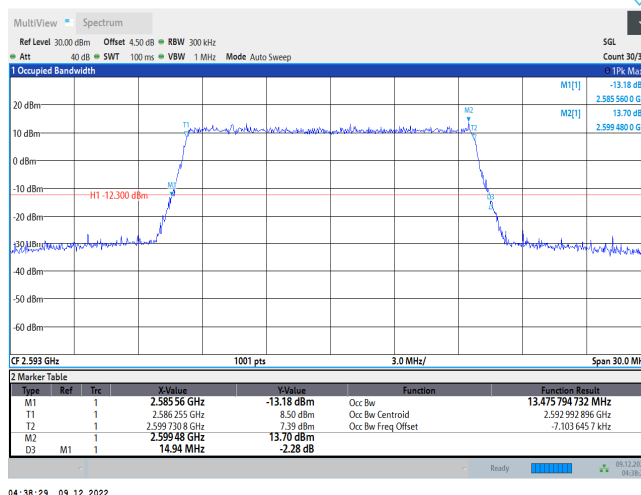
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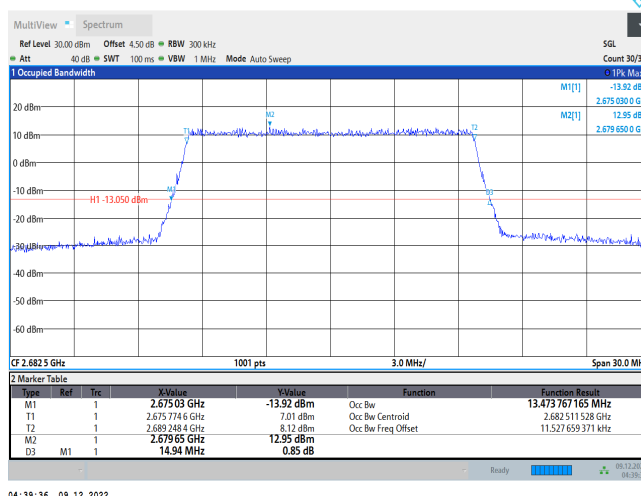
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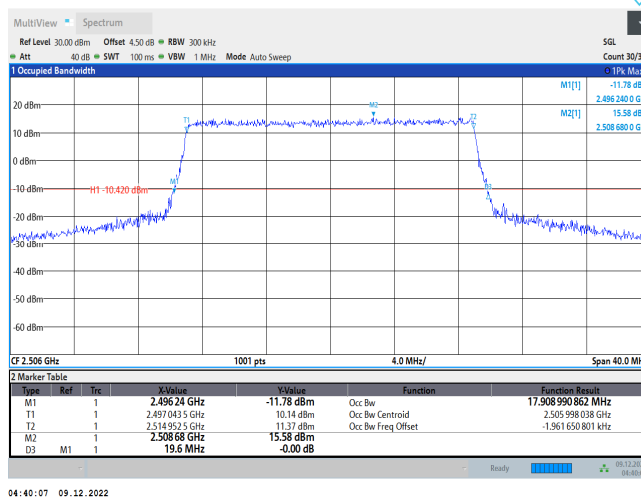
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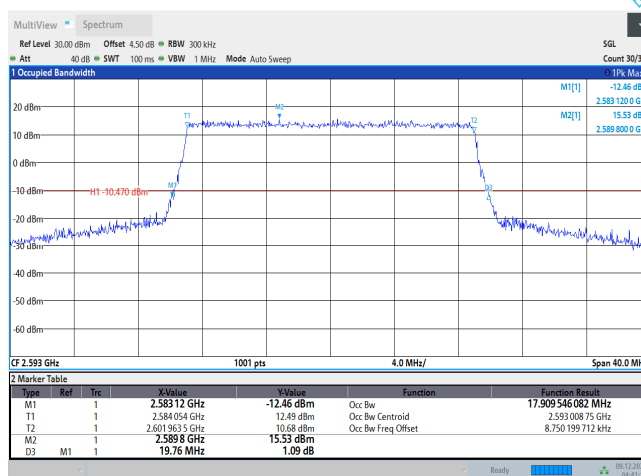
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Band41-20MHz-QPSK-40620-100RB#0



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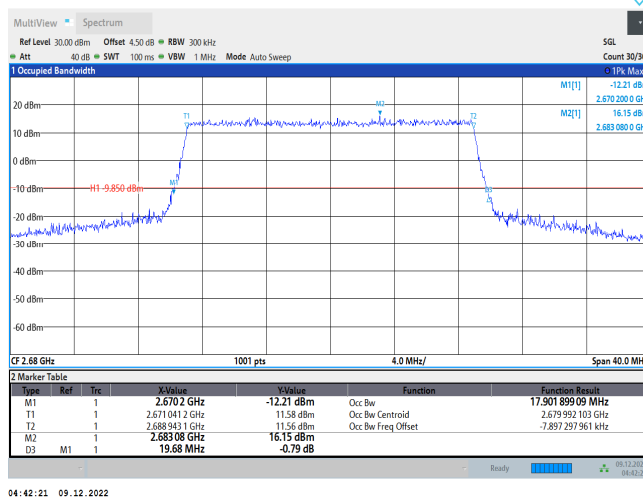
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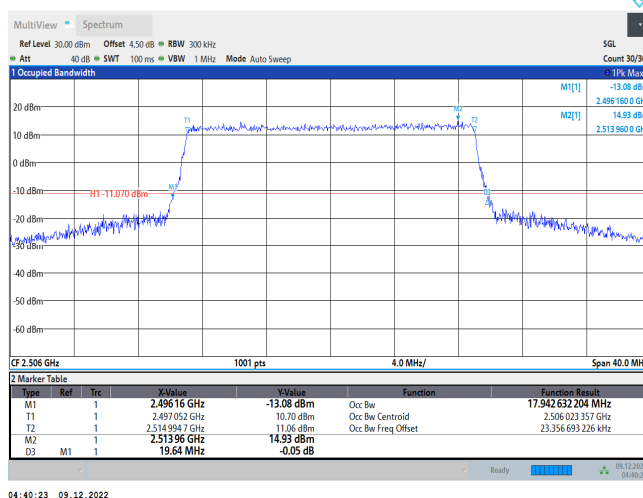
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Band41-20MHz-16QAM-39750-100RB#0



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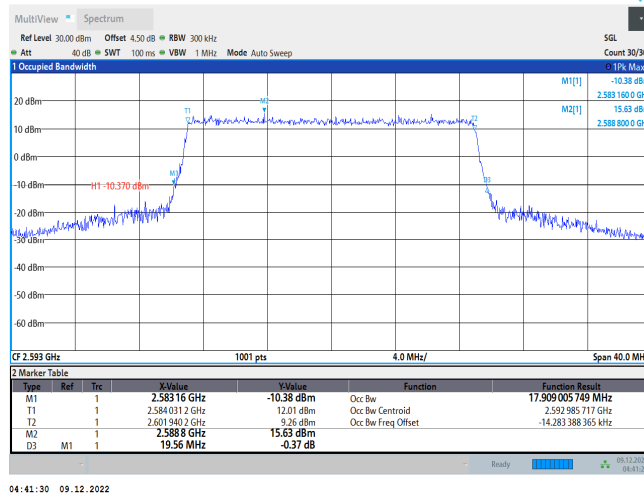
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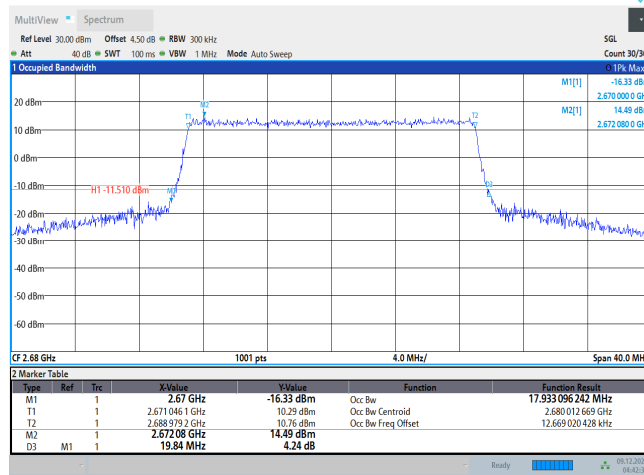
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Band41-20MHz-16QAM-41490-100RB#0



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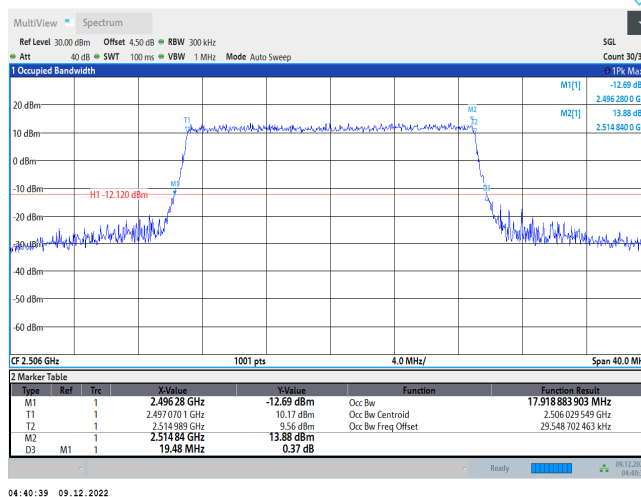
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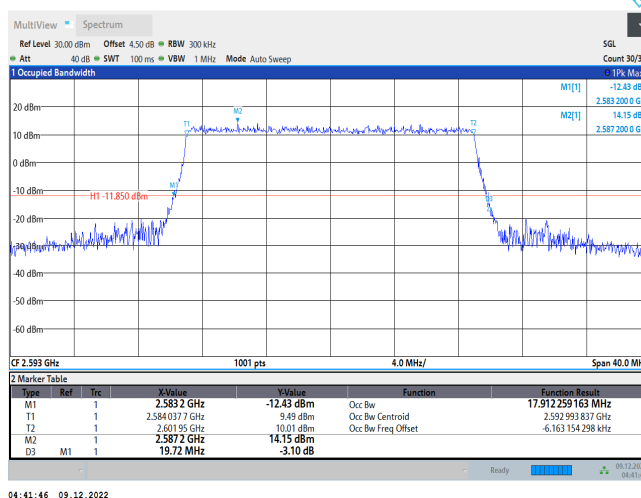
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Band41-20MHz-64QAM-39750-100RB#0



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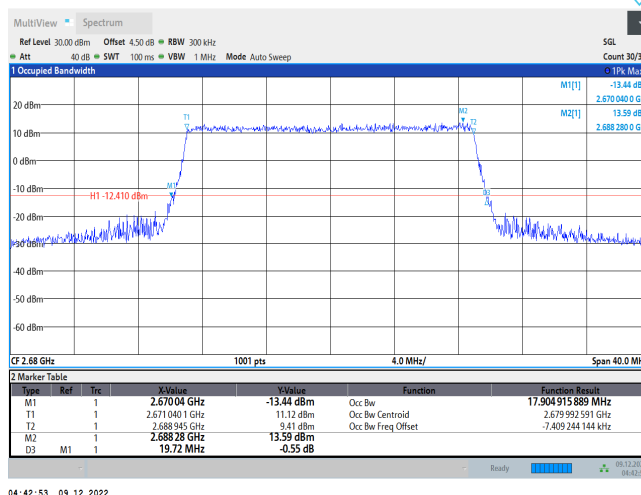
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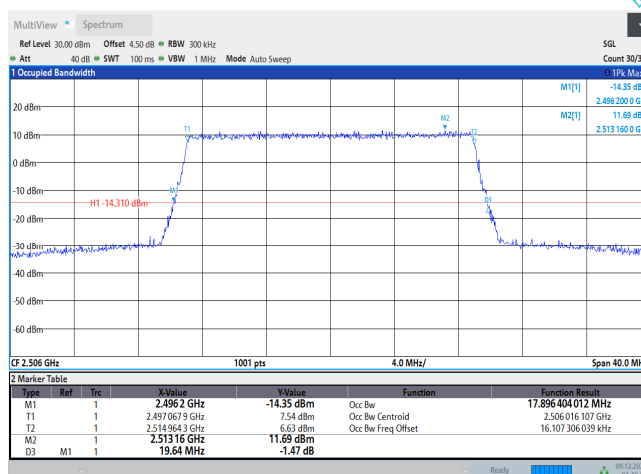
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Band41-20MHz-256QAM-39750-100RB#0



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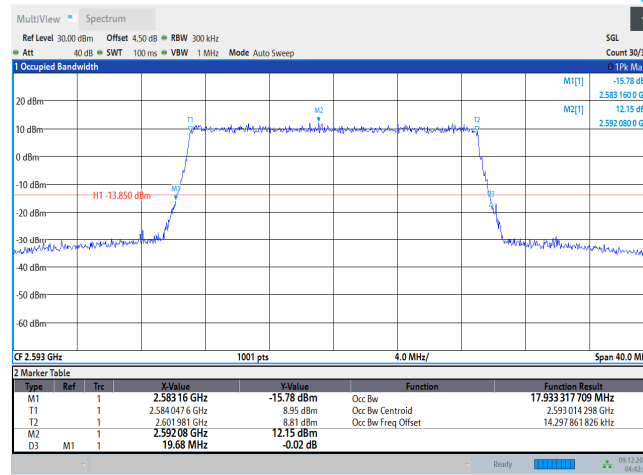
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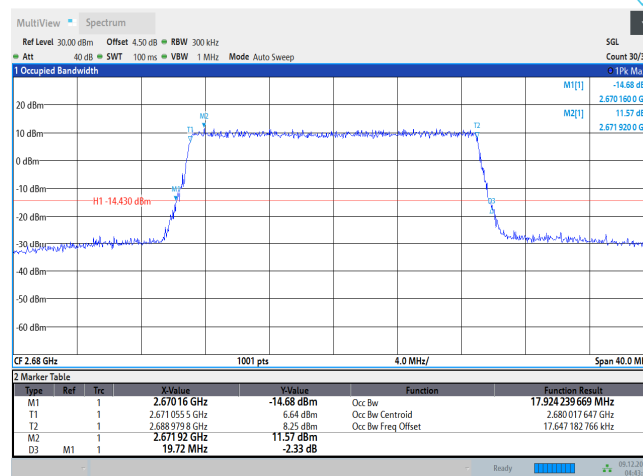
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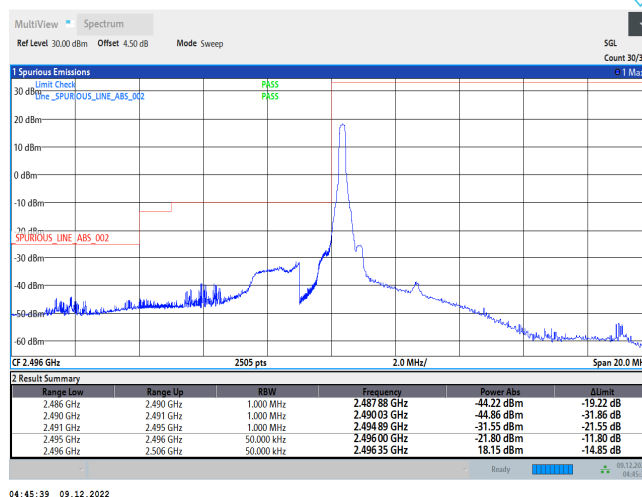
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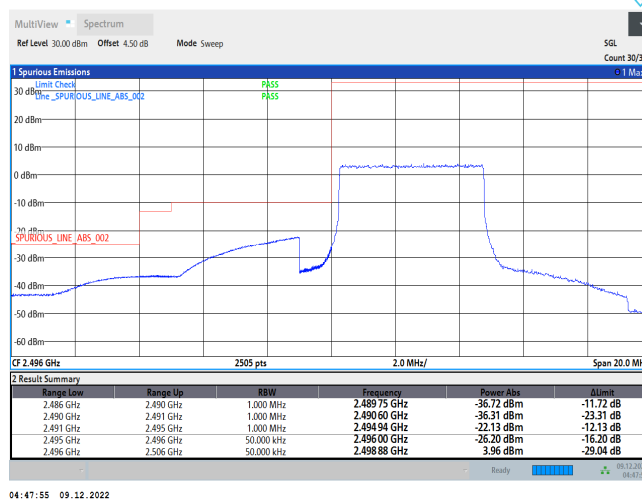
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Test Graphs

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



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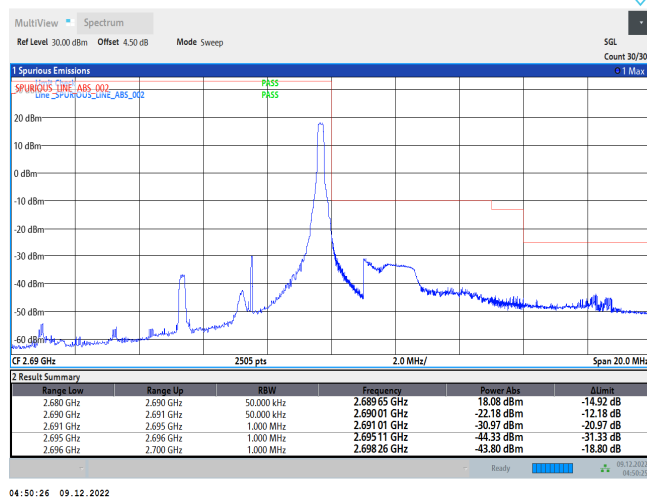
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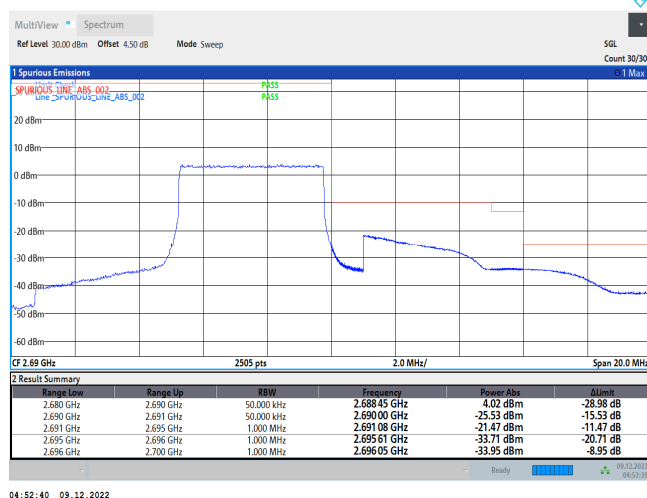
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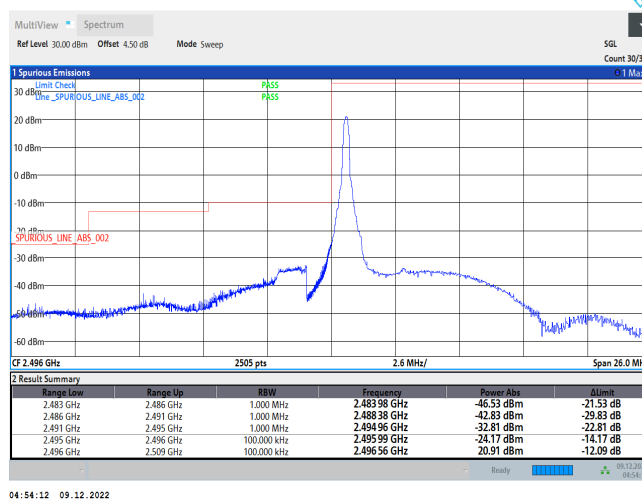
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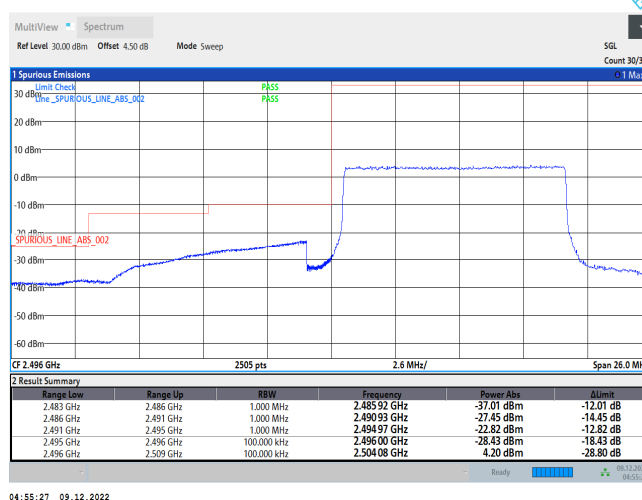
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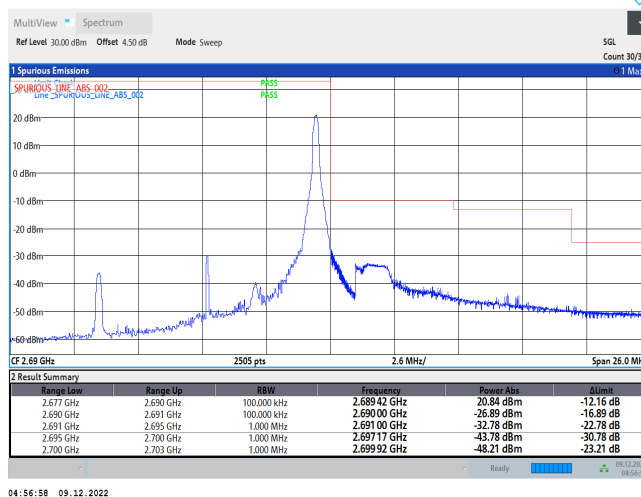
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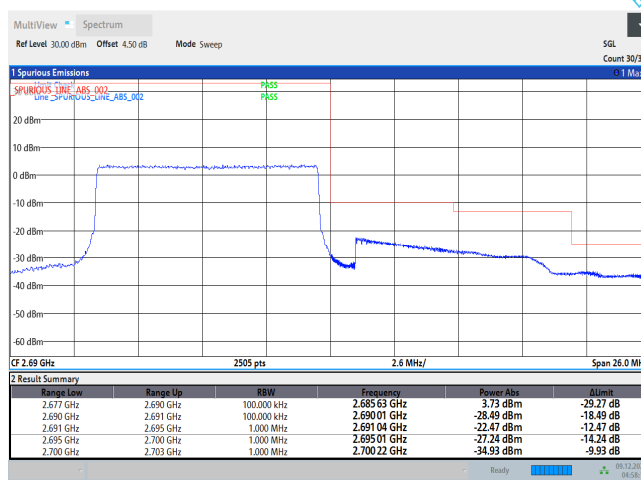
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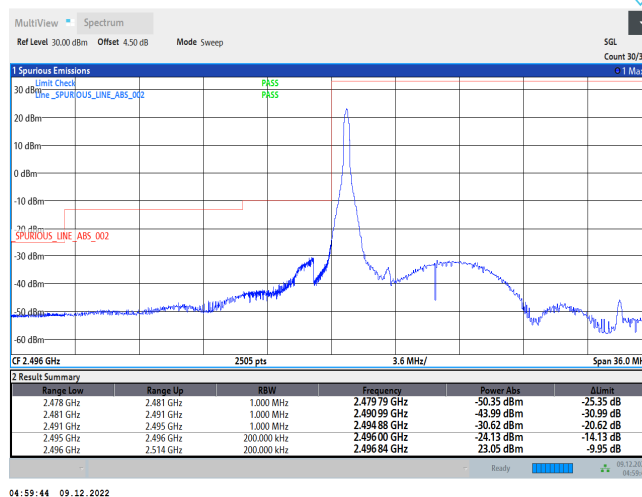
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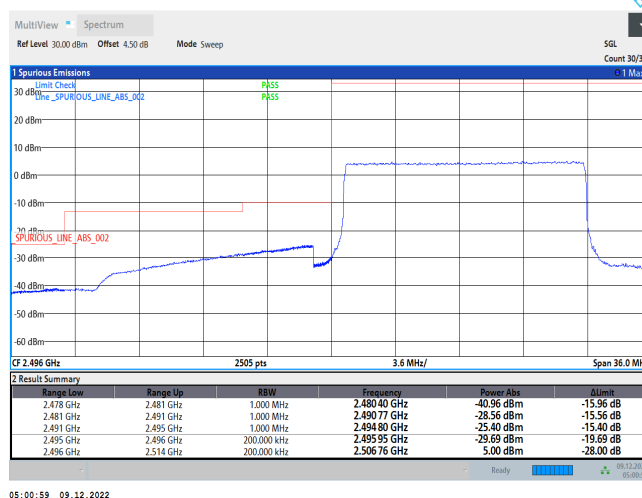
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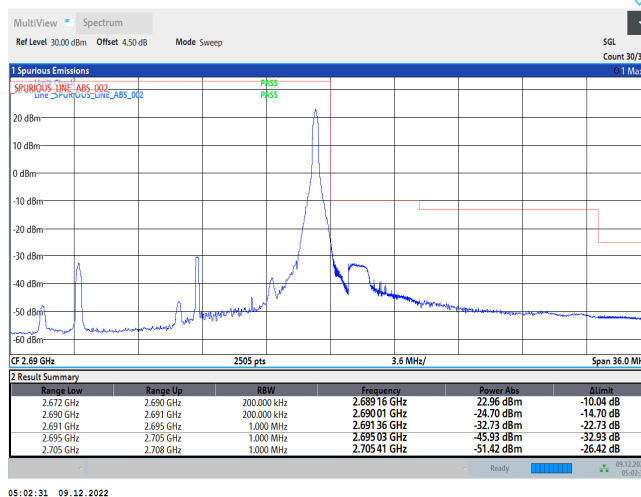
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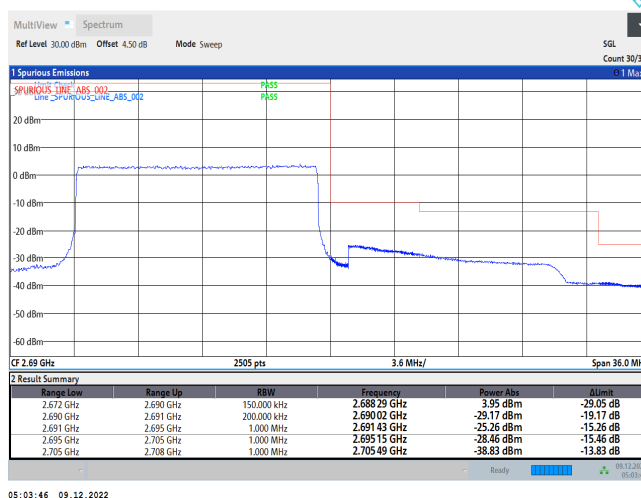
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Band41-15MHz-QPSK-41515-75RB#0



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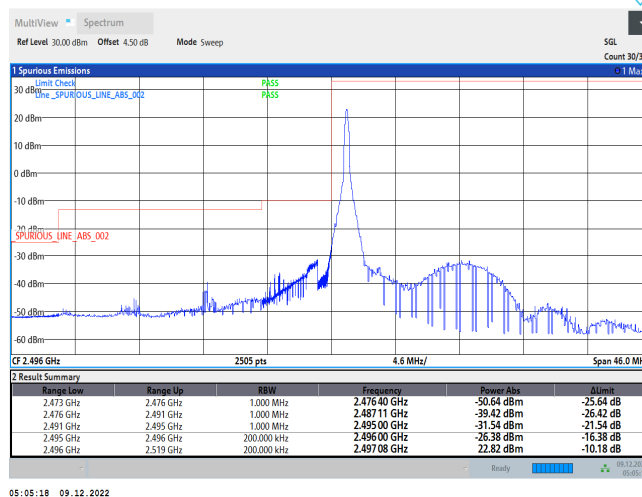
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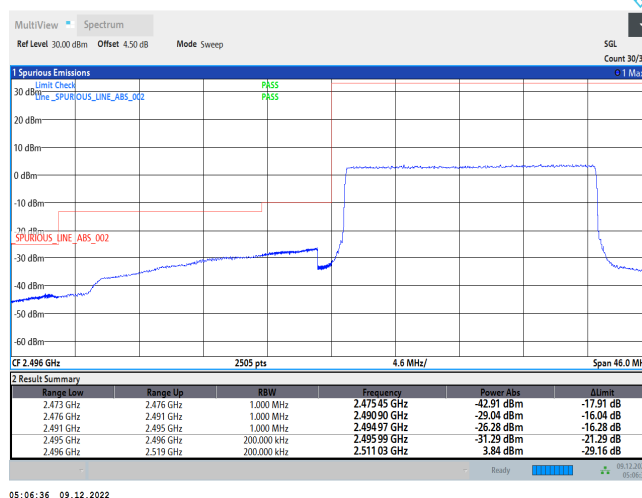
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Band41-20MHz-QPSK-39750-1RB#0



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



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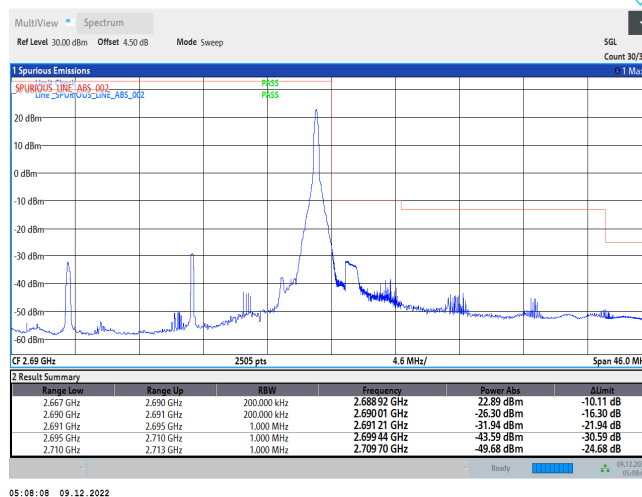
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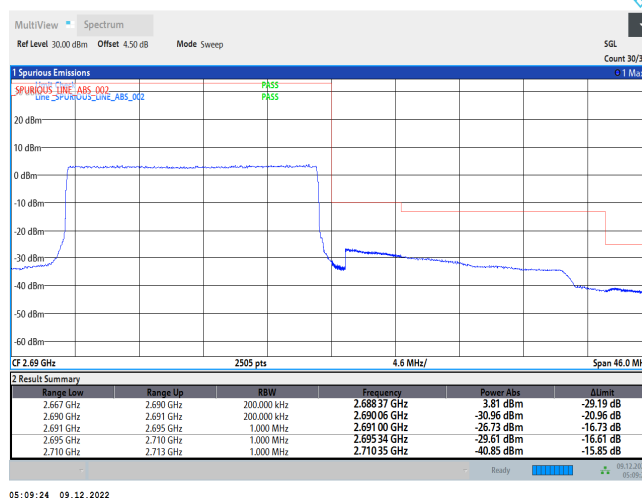
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Band41-20MHz-QPSK-41490-1RB#99



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



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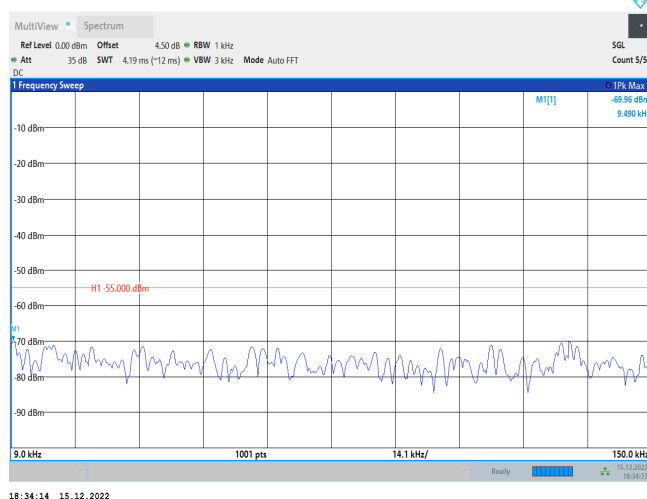
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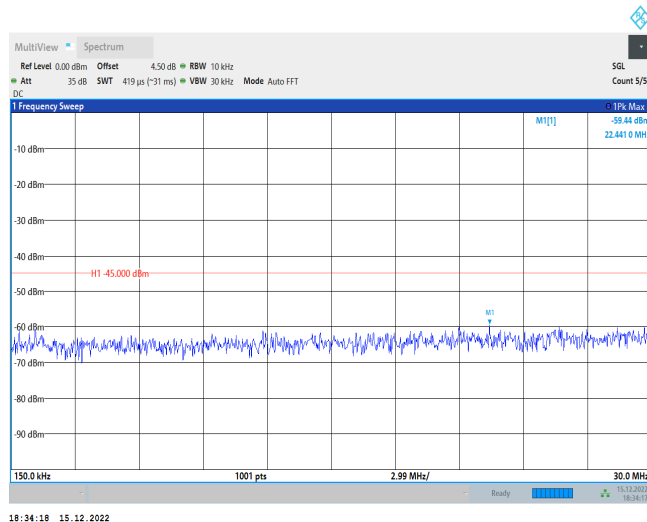
Conducted Spurious Emission

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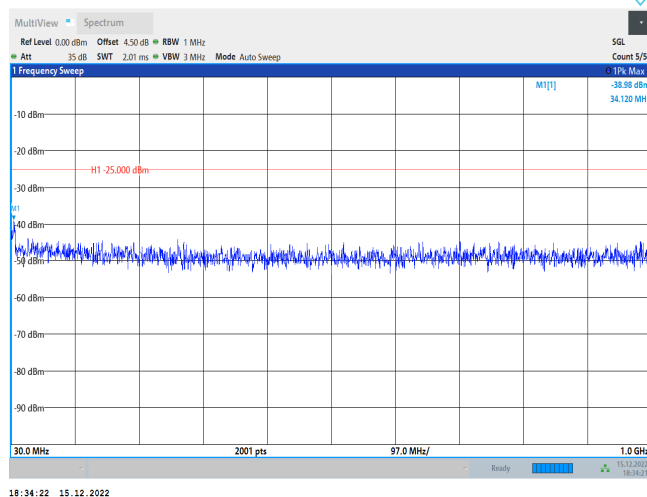
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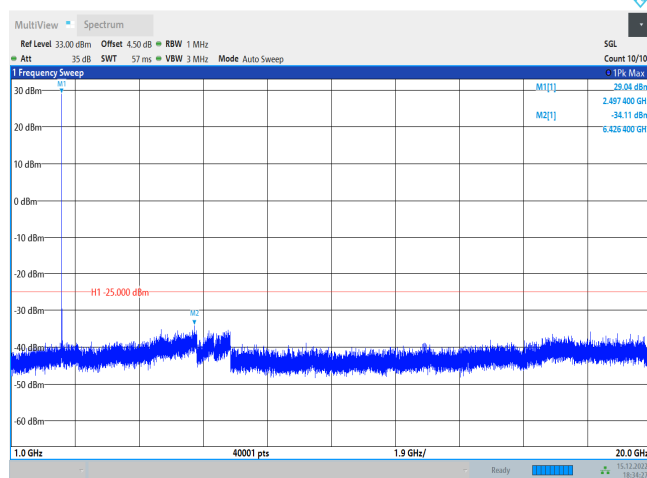
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Band41-20MHz-QPSK-39750-1RB#0-Range3:30~1000MHz



18:34:22 15.12.2022

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



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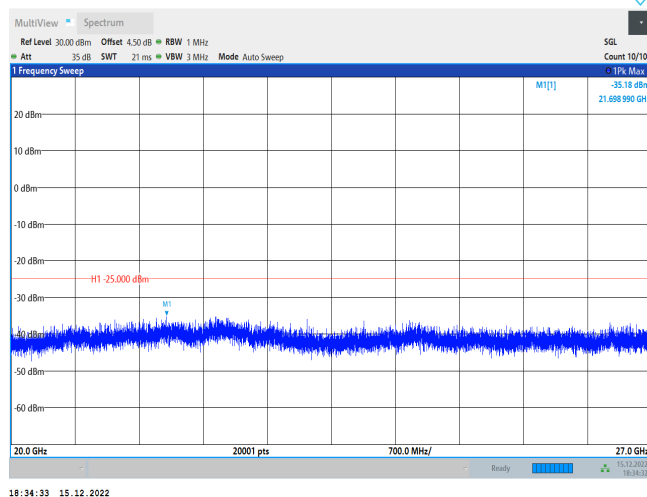
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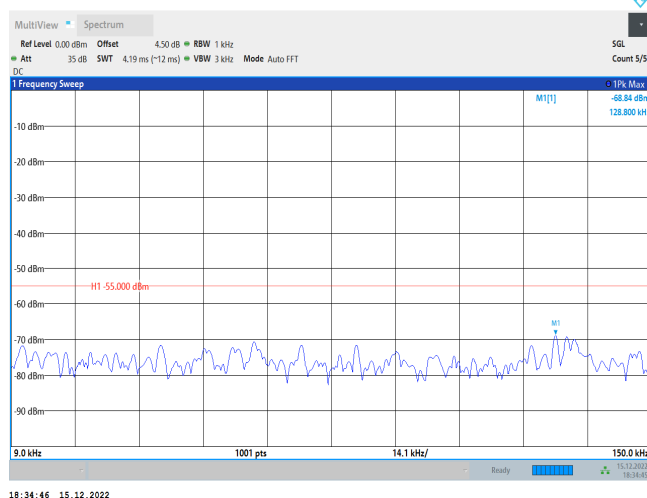
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Band41-20MHz-QPSK-39750-1RB#0-Range5:20000~27000MHz



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



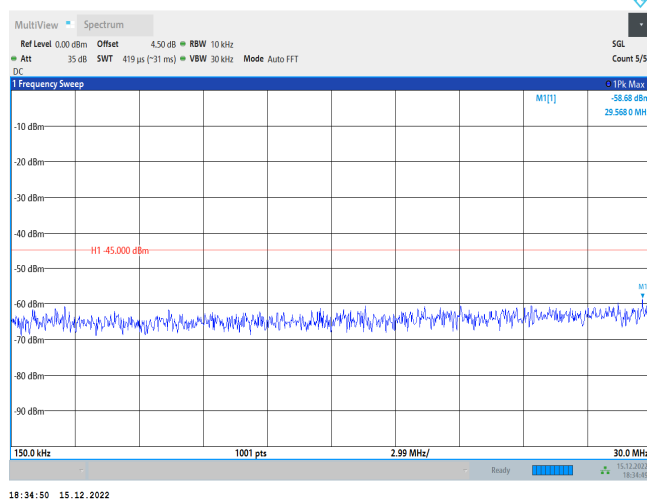
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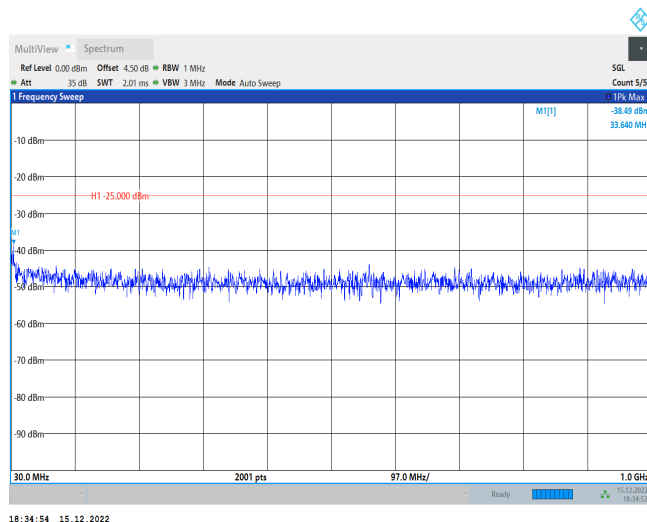
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Band41-20MHz-QPSK-40620-1RB#0-Range2:0.15~30MHz



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



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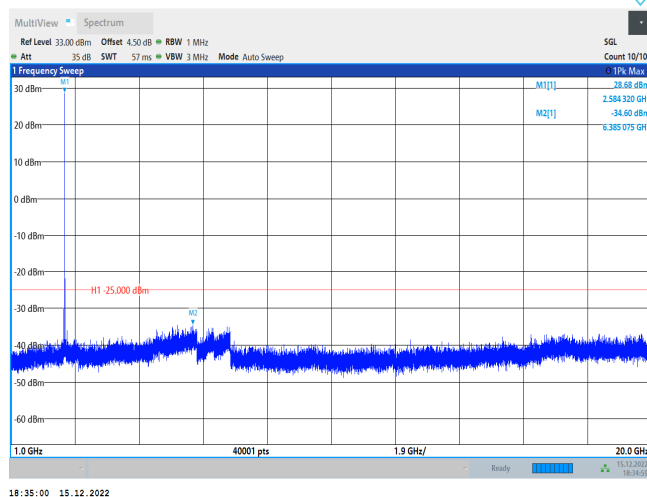
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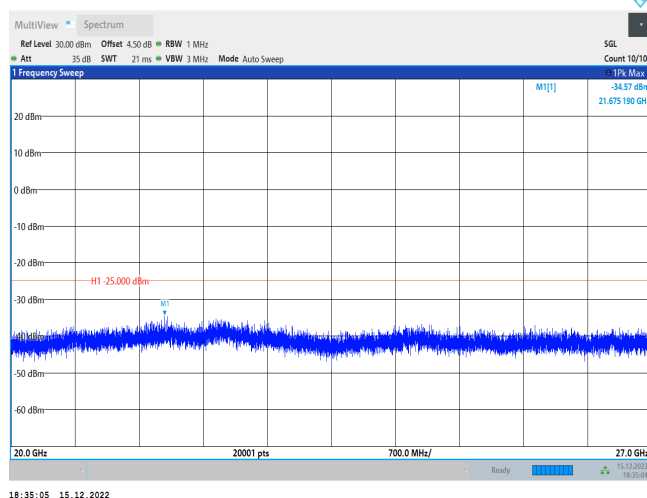
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Band41-20MHz-QPSK-40620-1RB#0-Range4:1000~20000MHz



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



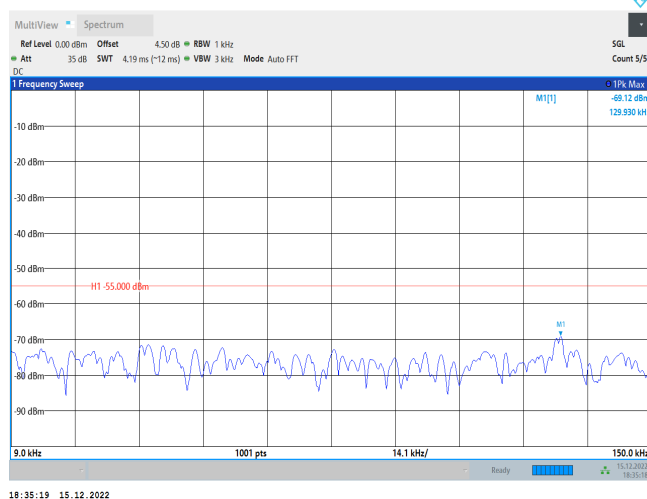
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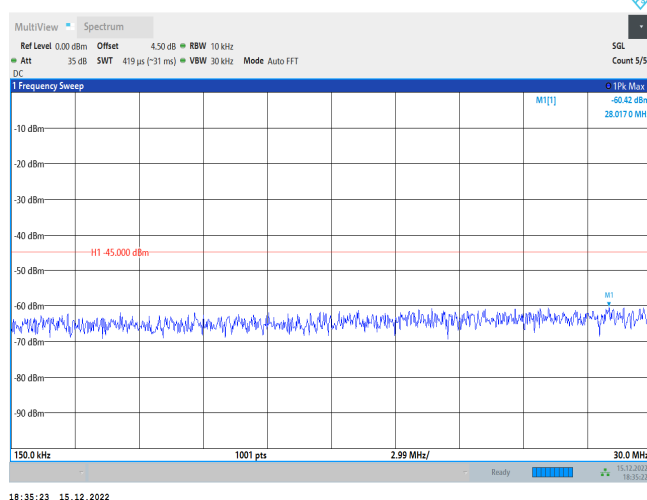
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Band41-20MHz-QPSK-41490-1RB#0-Range1:0.009~0.15MHz



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



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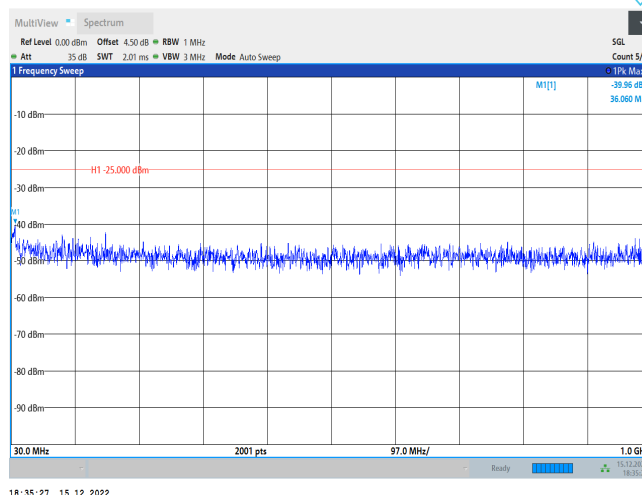
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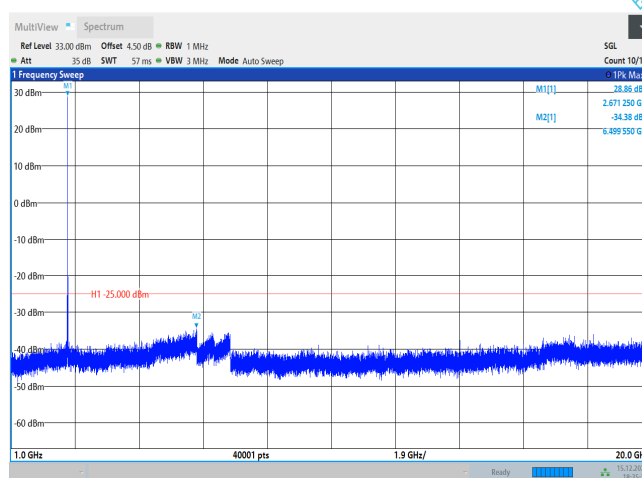
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Band41-20MHz-QPSK-41490-1RB#0-Range3:30~1000MHz



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Band41-20MHz-QPSK-41490-1RB#0-Range4:1000~20000MHz



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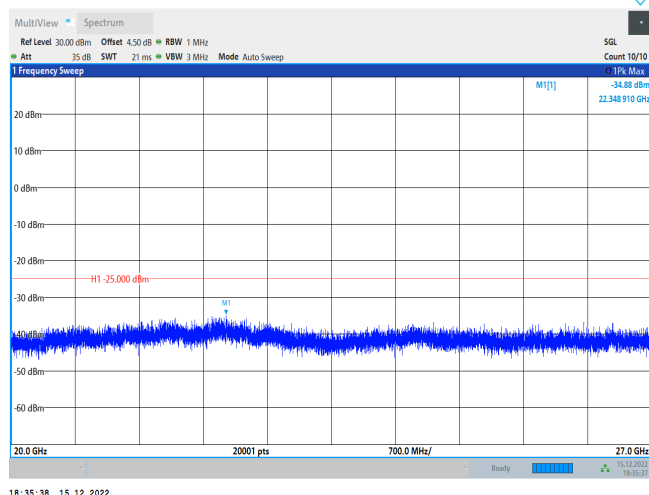
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Field Strength of Spurious Radiation

Test Band = LTE Band 41 ANT0_ TM1
Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994.18	43.69	-44.94	32.59	-63.92	-25.00	38.92	212	170	Horizontal
2	7491.27	44.22	-41.63	36.49	-56.18	-25.00	31.18	326	149	Horizontal
3	9988.36	33.18	-37.16	38.50	-60.74	-25.00	35.74	188	107	Horizontal
4	12485.45	31.88	-35.26	39.09	-59.55	-25.00	34.55	163	297	Horizontal
5	14982.54	31.39	-33.99	39.22	-58.64	-25.00	33.64	284	43	Horizontal
6	17479.63	29.83	-31.91	40.52	-56.82	-25.00	31.82	298	213	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994.18	44.31	-44.94	32.59	-63.30	-25.00	38.30	233	129	Vertical
2	7491.27	53.68	-41.63	36.49	-46.72	-25.00	21.72	258	319	Vertical
3	9988.36	34.28	-37.16	38.50	-59.64	-25.00	34.64	311	1	Vertical
4	12485.45	31.86	-35.26	39.09	-59.57	-25.00	34.57	215	44	Vertical
5	14982.54	31.43	-33.99	39.22	-58.60	-25.00	33.60	199	0	Vertical
6	17479.63	30.14	-31.91	40.52	-56.51	-25.00	31.51	176	169	Vertical



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Test Band = LTE Band 41 ANT0_TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5168.18	47.06	-44.19	32.60	-59.79	-25.00	34.79	213	258	Horizontal
2	7752.27	39.62	-40.96	37.01	-59.59	-25.00	34.59	327	0	Horizontal
3	10336.36	35.39	-36.70	38.87	-57.70	-25.00	32.70	241	178	Horizontal
4	12920.45	33.37	-34.87	39.52	-57.24	-25.00	32.24	196	13	Horizontal
5	15504.54	32.03	-34.16	38.54	-58.84	-25.00	33.84	225	133	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5168.18	46.69	-44.19	32.60	-60.16	-25.00	35.16	173	137	Vertical
2	7752.27	43.92	-40.96	37.01	-55.29	-25.00	30.29	269	322	Vertical
3	10336.36	34.89	-36.70	38.87	-58.20	-25.00	33.20	352	137	Vertical
4	12920.45	32.47	-34.87	39.52	-58.14	-25.00	33.14	286	13	Vertical
5	15504.54	31.30	-34.16	38.54	-59.57	-25.00	34.57	191	74	Vertical



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Test Band = LTE Band 41 ANT0_TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3961	44.06	-45.46	30.51	-66.16	-25.00	41.16	196	155	Horizontal
2	5342	47.33	-44.09	32.60	-59.42	-25.00	34.42	265	174	Horizontal
3	7882.77	38.17	-40.65	37.27	-60.48	-25.00	35.48	241	196	Horizontal
4	10510.36	32.01	-36.37	39.06	-60.55	-25.00	35.55	142	321	Horizontal
5	13137.95	31.12	-34.60	39.68	-59.05	-25.00	34.05	255	0	Horizontal
6	15765.54	30.93	-34.12	38.20	-60.25	-25.00	35.25	263	196	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4098	43.67	-45.01	30.76	-65.84	-25.00	40.84	196	357	Vertical
2	5342	48.19	-44.09	32.60	-58.56	-25.00	33.56	265	235	Vertical
3	8013.5	40.94	-40.39	37.51	-57.20	-25.00	32.20	284	1	Vertical
4	10510.36	31.83	-36.37	39.06	-60.73	-25.00	35.73	142	235	Vertical
5	13137.95	30.62	-34.60	39.68	-59.55	-25.00	34.55	255	298	Vertical
6	15765.54	31.02	-34.12	38.20	-60.16	-25.00	35.16	263	3	Vertical



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Test Band = LTE Band 41 ANT2_ TM1
Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994.18	41.46	-44.94	32.59	-66.15	-25.00	41.15	168	40	Horizontal
2	7491.27	43.15	-41.63	36.49	-57.25	-25.00	32.25	254	19	Horizontal
3	9988.36	33.58	-37.16	38.50	-60.34	-25.00	35.34	196	228	Horizontal
4	12485.45	32.38	-35.26	39.09	-59.05	-25.00	34.05	134	360	Horizontal
5	14982.54	31.59	-33.99	39.22	-58.44	-25.00	33.44	327	19	Horizontal
6	17479.63	29.17	-31.91	40.52	-57.48	-25.00	32.48	222	360	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994.18	43.26	-44.94	32.59	-64.35	-25.00	39.35	255	312	Vertical
2	7491.27	49.98	-41.63	36.49	-50.42	-25.00	25.42	312	144	Vertical
3	9988.36	33.26	-37.16	38.50	-60.66	-25.00	35.66	198	81	Vertical
4	12485.45	32.35	-35.26	39.09	-59.08	-25.00	34.08	138	249	Vertical
5	14982.54	31.38	-33.99	39.22	-58.65	-25.00	33.65	188	228	Vertical
6	17479.63	29.72	-31.91	40.52	-56.93	-25.00	31.93	216	166	Vertical



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Test Band = LTE Band 41 ANT2_ TM1
Test Channel = Mid Channel
Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3506	54.61	-45.66	29.41	-56.90	-25.00	31.90	196	359	Horizontal
2	5168.18	46.12	-44.19	32.60	-60.73	-25.00	35.73	245	356	Horizontal
3	7752.27	39.22	-40.96	37.01	-59.99	-25.00	34.99	138	347	Horizontal
4	10336.36	35.11	-36.70	38.87	-57.98	-25.00	32.98	226	347	Horizontal
5	12920.45	32.16	-34.87	39.52	-58.45	-25.00	33.45	347	182	Horizontal
6	15504.54	31.83	-34.16	38.54	-59.04	-25.00	34.04	157	223	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5168	49.41	-44.19	32.60	-57.44	-25.00	32.44	168	40	Vertical
2	17686	31.70	-31.09	41.34	-53.30	-25.00	28.30	366	228	Vertical
3	7752.27	43.93	-40.96	37.01	-55.28	-25.00	30.28	214	144	Vertical
4	10336.36	35.47	-36.70	38.87	-57.62	-25.00	32.62	147	102	Vertical
5	12920.45	32.43	-34.87	39.52	-58.18	-25.00	33.18	265	271	Vertical
6	15504.54	31.77	-34.16	38.54	-59.10	-25.00	34.10	207	102	Vertical



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Test Band = LTE Band 41 ANT2_ TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4335.5	43.30	-44.93	31.14	-65.75	-25.00	40.75	196	346	Horizontal
2	5342	48.33	-44.09	32.60	-58.42	-25.00	33.42	265	346	Horizontal
3	8013	42.65	-40.39	37.51	-55.49	-25.00	30.49	241	161	Horizontal
4	10510.36	32.59	-36.37	39.06	-59.97	-25.00	34.97	142	360	Horizontal
5	13137.95	30.94	-34.60	39.68	-59.23	-25.00	34.23	252	161	Horizontal
6	15765.54	31.43	-34.12	38.20	-59.75	-25.00	34.75	263	286	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4444	43.58	-44.84	31.31	-65.21	-25.00	40.21	196	349	Vertical
2	5342	48.21	-44.09	32.60	-58.54	-25.00	33.54	265	290	Vertical
3	8013.5	43.31	-40.39	37.51	-54.83	-25.00	29.83	241	360	Vertical
4	10510.36	32.73	-36.37	39.06	-59.83	-25.00	34.83	142	3	Vertical
5	13137.95	31.23	-34.60	39.68	-58.94	-25.00	33.94	263	359	Vertical
6	15765.54	30.66	-34.12	38.20	-60.52	-25.00	35.52	255	102	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:

$$AF = \text{Antenna Factor(dB/m)}$$

$$\text{Factor} = \text{Cable Factor(dB)} - \text{Preamplifier (dB)}$$

$$\text{Level} = \text{Reading Level} + AF + \text{Factor} - 95.26$$

$$\text{Margin} = \text{Limit} - \text{Level}$$


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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	-0.80	-0.000309	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	1.60	0.000617	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	0.00	0.000000	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	NV	-40	4.50	0.002394	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-1.10	-0.000424	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-0.60	-0.000231	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	-2.80	-0.001080	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-2.60	-0.001003	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-0.60	-0.000231	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	-3.80	-0.001465	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	1.20	0.000463	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	0.00	0.000000	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	1.40	0.000540	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	60	9.70	0.005160	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	75	-1.60	-0.000851	PASS

---End of Attachment---



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