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Appendix B.8

LTE Band 41



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

Effective (Isotropic) Radiated Power Output Data

Test Result

ANT5

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	25.29	23.69	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#12	25.37	23.77	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#24	25.28	23.68	33.00	PASS
Band41	5MHz	QPSK	39675	25RB#0	24.33	22.73	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#0	25.36	23.76	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#12	25.55	23.95	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#24	25.36	23.76	33.00	PASS
Band41	5MHz	QPSK	40620	25RB#0	24.35	22.75	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#0	24.91	23.31	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#12	25.08	23.48	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#24	25.04	23.44	33.00	PASS
Band41	5MHz	QPSK	41565	25RB#0	24	22.4	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#0	24.25	22.65	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#12	24.34	22.74	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#24	24.29	22.69	33.00	PASS
Band41	5MHz	16QAM	39675	25RB#0	23.36	21.76	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#0	24.31	22.71	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#12	24.46	22.86	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#24	24.35	22.75	33.00	PASS
Band41	5MHz	16QAM	40620	25RB#0	23.38	21.78	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#0	23.99	22.39	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#12	24.02	22.42	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#24	24.03	22.43	33.00	PASS
Band41	5MHz	16QAM	41565	25RB#0	23.02	21.42	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#0	23.34	21.74	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#12	23.45	21.85	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#24	23.46	21.86	33.00	PASS



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Band41	5MHz	64QAM	39675	25RB#0	22.37	20.77	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#0	23.37	21.77	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#12	23.49	21.89	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#24	23.55	21.95	33.00	PASS
Band41	5MHz	64QAM	40620	25RB#0	22.37	20.77	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#0	23.08	21.48	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#12	23.19	21.59	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#24	23.12	21.52	33.00	PASS
Band41	5MHz	64QAM	41565	25RB#0	22.02	20.42	33.00	PASS
Band41	5MHz	256QAM	39675	1RB#0	20.2	18.6	33.00	PASS
Band41	5MHz	256QAM	39675	1RB#12	20.35	18.75	33.00	PASS
Band41	5MHz	256QAM	39675	1RB#24	20.23	18.63	33.00	PASS
Band41	5MHz	256QAM	39675	25RB#0	20.37	18.77	33.00	PASS
Band41	5MHz	256QAM	40620	1RB#0	20.32	18.72	33.00	PASS
Band41	5MHz	256QAM	40620	1RB#12	20.41	18.81	33.00	PASS
Band41	5MHz	256QAM	40620	1RB#24	20.4	18.8	33.00	PASS
Band41	5MHz	256QAM	40620	25RB#0	20.41	18.81	33.00	PASS
Band41	5MHz	256QAM	41565	1RB#0	19.8	18.2	33.00	PASS
Band41	5MHz	256QAM	41565	1RB#12	20.11	18.51	33.00	PASS
Band41	5MHz	256QAM	41565	1RB#24	20.12	18.52	33.00	PASS
Band41	5MHz	256QAM	41565	25RB#0	20.03	18.43	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#0	25.33	23.73	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#24	25.31	23.71	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#49	25.25	23.65	33.00	PASS
Band41	10MHz	QPSK	39700	50RB#0	24.39	22.79	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#0	25.28	23.68	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#24	25.42	23.82	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#49	25.36	23.76	33.00	PASS
Band41	10MHz	QPSK	40620	50RB#0	24.41	22.81	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#0	24.86	23.26	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#24	25.09	23.49	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#49	25.04	23.44	33.00	PASS



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Band41	10MHz	QPSK	41540	50RB#0	24.14	22.54	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#0	24.32	22.72	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#24	24.32	22.72	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#49	24.24	22.64	33.00	PASS
Band41	10MHz	16QAM	39700	50RB#0	23.38	21.78	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#0	24.4	22.8	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#24	24.41	22.81	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#49	24.41	22.81	33.00	PASS
Band41	10MHz	16QAM	40620	50RB#0	23.41	21.81	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#0	24.13	22.53	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#24	24.08	22.48	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#49	24.03	22.43	33.00	PASS
Band41	10MHz	16QAM	41540	50RB#0	23.15	21.55	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#0	23.49	21.89	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#24	23.44	21.84	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#49	23.38	21.78	33.00	PASS
Band41	10MHz	64QAM	39700	50RB#0	22.38	20.78	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#0	23.36	21.76	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#24	23.54	21.94	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#49	23.45	21.85	33.00	PASS
Band41	10MHz	64QAM	40620	50RB#0	22.4	20.8	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#0	23.12	21.52	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#24	23.17	21.57	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#49	23.17	21.57	33.00	PASS
Band41	10MHz	64QAM	41540	50RB#0	22.12	20.52	33.00	PASS
Band41	10MHz	256QAM	39700	1RB#0	20.3	18.7	33.00	PASS
Band41	10MHz	256QAM	39700	1RB#24	20.41	18.81	33.00	PASS
Band41	10MHz	256QAM	39700	1RB#49	20.29	18.69	33.00	PASS
Band41	10MHz	256QAM	39700	50RB#0	20.38	18.78	33.00	PASS
Band41	10MHz	256QAM	40620	1RB#0	20.31	18.71	33.00	PASS
Band41	10MHz	256QAM	40620	1RB#24	20.47	18.87	33.00	PASS
Band41	10MHz	256QAM	40620	1RB#49	20.37	18.77	33.00	PASS



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Band41	10MHz	256QAM	40620	50RB#0	20.45	18.85	33.00	PASS
Band41	10MHz	256QAM	41540	1RB#0	20.06	18.46	33.00	PASS
Band41	10MHz	256QAM	41540	1RB#24	20.15	18.55	33.00	PASS
Band41	10MHz	256QAM	41540	1RB#49	20.04	18.44	33.00	PASS
Band41	10MHz	256QAM	41540	50RB#0	20.15	18.55	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#0	25.07	23.47	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#38	25.08	23.48	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#74	25.12	23.52	33.00	PASS
Band41	15MHz	QPSK	39725	75RB#0	24.27	22.67	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#0	25.15	23.55	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#38	25.24	23.64	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#74	25.24	23.64	33.00	PASS
Band41	15MHz	QPSK	40620	75RB#0	24.24	22.64	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#0	24.76	23.16	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#38	24.94	23.34	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#74	25.01	23.41	33.00	PASS
Band41	15MHz	QPSK	41515	75RB#0	23.95	22.35	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#0	24.1	22.5	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#38	24.11	22.51	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#74	24.11	22.51	33.00	PASS
Band41	15MHz	16QAM	39725	75RB#0	23.25	21.65	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#0	24.41	22.81	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#38	24.24	22.64	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#74	24.29	22.69	33.00	PASS
Band41	15MHz	16QAM	40620	75RB#0	23.27	21.67	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#0	23.89	22.29	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#38	23.88	22.28	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#74	23.95	22.35	33.00	PASS
Band41	15MHz	16QAM	41515	75RB#0	22.93	21.33	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#0	23.07	21.47	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#38	23.18	21.58	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#74	23.02	21.42	33.00	PASS



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Band41	15MHz	64QAM	40620	1RB#0	23.3	21.7	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#38	23.27	21.67	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#74	23.35	21.75	33.00	PASS
Band41	15MHz	64QAM	40620	75RB#0	22.29	20.69	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#0	22.89	21.29	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#38	22.99	21.39	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#74	22.97	21.37	33.00	PASS
Band41	15MHz	64QAM	41515	75RB#0	21.89	20.29	33.00	PASS
Band41	15MHz	256QAM	39725	1RB#0	20.11	18.51	33.00	PASS
Band41	15MHz	256QAM	39725	1RB#38	20.14	18.54	33.00	PASS
Band41	15MHz	256QAM	39725	1RB#74	20.03	18.43	33.00	PASS
Band41	15MHz	256QAM	39725	75RB#0	20.27	18.67	33.00	PASS
Band41	15MHz	256QAM	40620	1RB#0	20.12	18.52	33.00	PASS
Band41	15MHz	256QAM	40620	1RB#38	20.3	18.7	33.00	PASS
Band41	15MHz	256QAM	40620	1RB#74	20.2	18.6	33.00	PASS
Band41	15MHz	256QAM	40620	75RB#0	20.25	18.65	33.00	PASS
Band41	15MHz	256QAM	41515	1RB#0	19.86	18.26	33.00	PASS
Band41	15MHz	256QAM	41515	1RB#38	19.82	18.22	33.00	PASS
Band41	15MHz	256QAM	41515	1RB#74	19.85	18.25	33.00	PASS
Band41	15MHz	256QAM	41515	75RB#0	19.94	18.34	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#0	25.09	23.49	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#49	25.3	23.7	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#99	25.04	23.44	33.00	PASS
Band41	20MHz	QPSK	39750	100RB#0	24.22	22.62	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#0	25.01	23.41	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#49	25.24	23.64	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#99	25.16	23.56	33.00	PASS
Band41	20MHz	QPSK	40620	100RB#0	24.25	22.65	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#0	24.75	23.15	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#49	24.92	23.32	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#99	24.91	23.31	33.00	PASS



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Band41	20MHz	QPSK	41490	100RB#0	23.94	22.34	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#0	24.14	22.54	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#49	24.3	22.7	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#99	23.95	22.35	33.00	PASS
Band41	20MHz	16QAM	39750	100RB#0	23.24	21.64	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#0	24.4	22.8	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#49	24.44	22.84	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#99	24.18	22.58	33.00	PASS
Band41	20MHz	16QAM	40620	100RB#0	23.28	21.68	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#0	23.93	22.33	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#49	24.06	22.46	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#99	23.85	22.25	33.00	PASS
Band41	20MHz	16QAM	41490	100RB#0	22.95	21.35	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#0	23.12	21.52	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#49	23.28	21.68	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#99	23.17	21.57	33.00	PASS
Band41	20MHz	64QAM	39750	100RB#0	22.27	20.67	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#0	23.29	21.69	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#49	23.35	21.75	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#99	23.28	21.68	33.00	PASS
Band41	20MHz	64QAM	40620	100RB#0	22.26	20.66	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#0	23.01	21.41	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#49	22.95	21.35	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#99	22.99	21.39	33.00	PASS
Band41	20MHz	64QAM	41490	100RB#0	21.93	20.33	33.00	PASS
Band41	20MHz	256QAM	39750	1RB#0	20.13	18.53	33.00	PASS
Band41	20MHz	256QAM	39750	1RB#49	20.04	18.44	33.00	PASS
Band41	20MHz	256QAM	39750	1RB#99	20.13	18.53	33.00	PASS
Band41	20MHz	256QAM	39750	100RB#0	20.23	18.63	33.00	PASS
Band41	20MHz	256QAM	40620	1RB#0	20.2	18.6	33.00	PASS
Band41	20MHz	256QAM	40620	1RB#49	20.27	18.67	33.00	PASS
Band41	20MHz	256QAM	40620	1RB#99	20.25	18.65	33.00	PASS



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Band41	20MHz	256QAM	40620	100RB#0	20.27	18.67	33.00	PASS
Band41	20MHz	256QAM	41490	1RB#0	19.8	18.2	33.00	PASS
Band41	20MHz	256QAM	41490	1RB#49	19.9	18.3	33.00	PASS
Band41	20MHz	256QAM	41490	1RB#99	19.89	18.29	33.00	PASS
Band41	20MHz	256QAM	41490	100RB#0	19.94	18.34	33.00	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	6.88	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	7.22	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	7.02	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	7.82	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	7.76	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	8.00	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	8.56	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	8.40	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	8.44	13	PASS
Band41	20MHz	256QAM	39750	100RB#0	8.68	13	PASS
Band41	20MHz	256QAM	40620	100RB#0	8.64	13	PASS
Band41	20MHz	256QAM	41490	100RB#0	8.52	13	PASS



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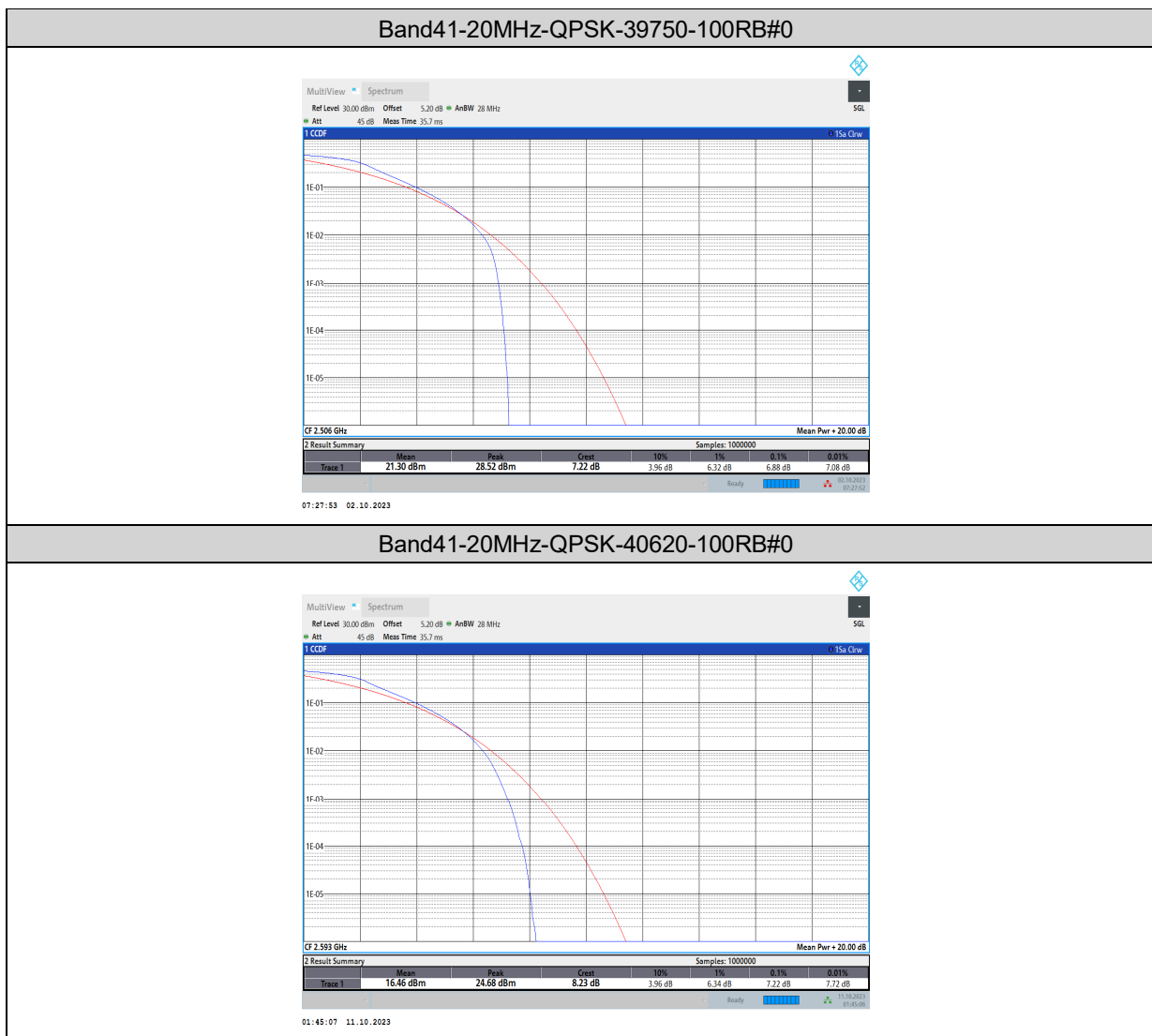
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Test Graphs



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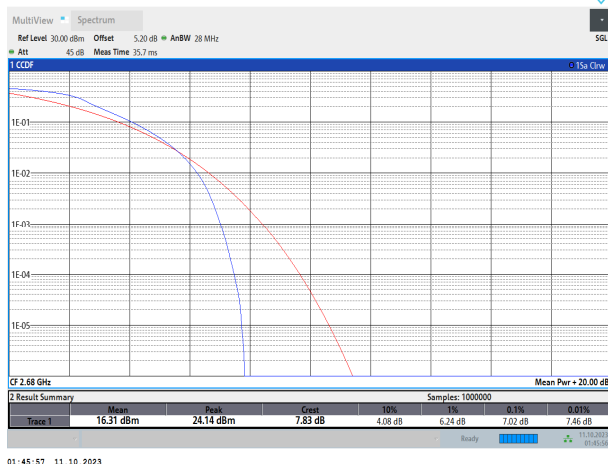
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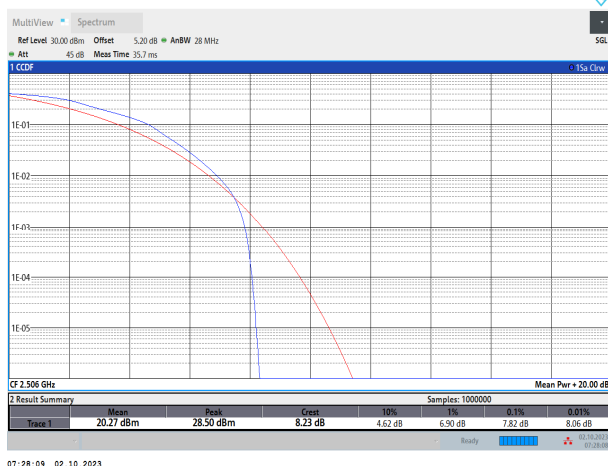
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Band41-20MHz-QPSK-41490-100RB#0



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



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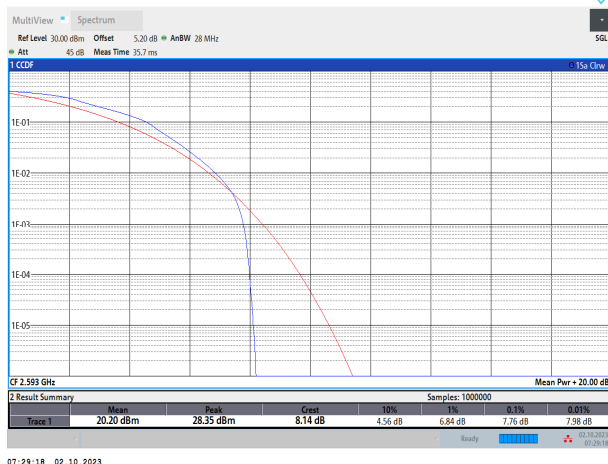
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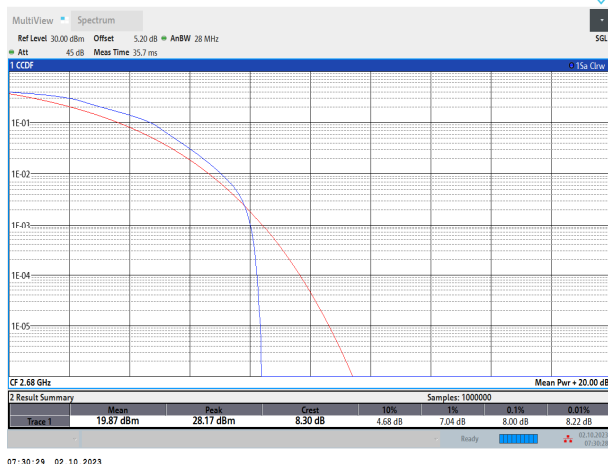
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Band41-20MHz-16QAM-40620-100RB#0



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



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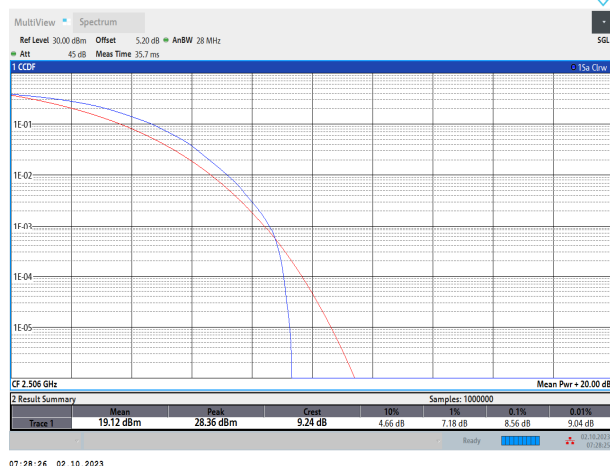
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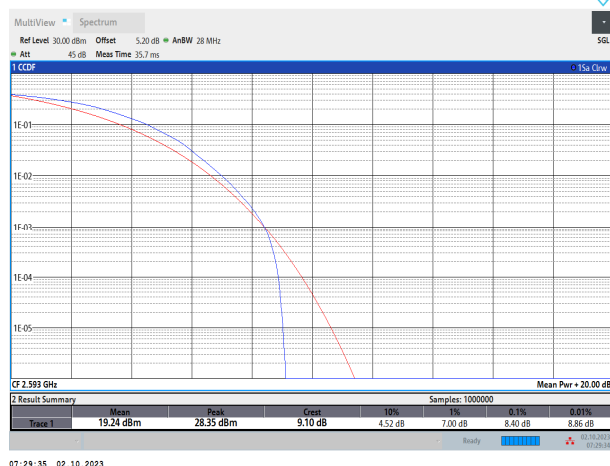
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Band41-20MHz-64QAM-39750-100RB#0



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



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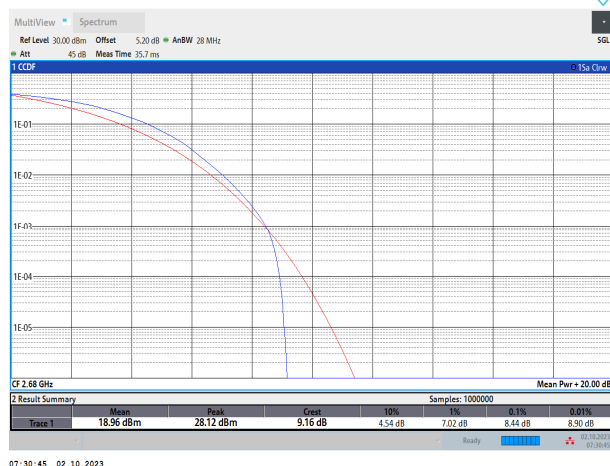
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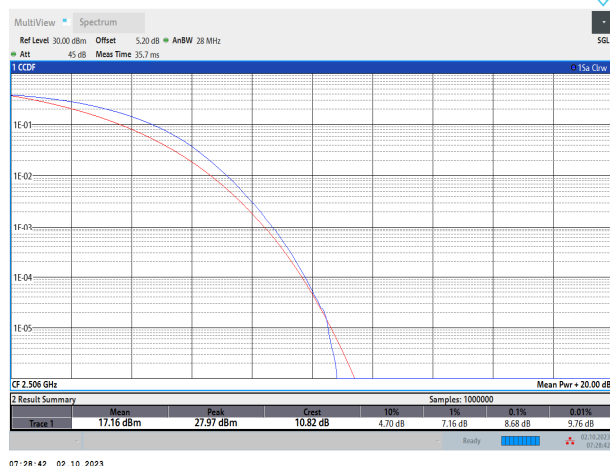
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Band41-20MHz-64QAM-41490-100RB#0



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



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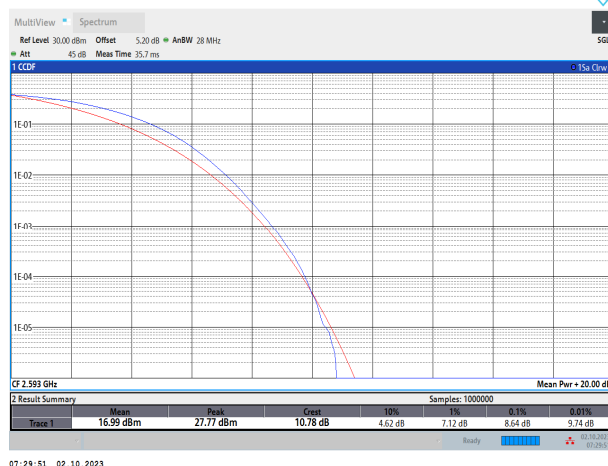
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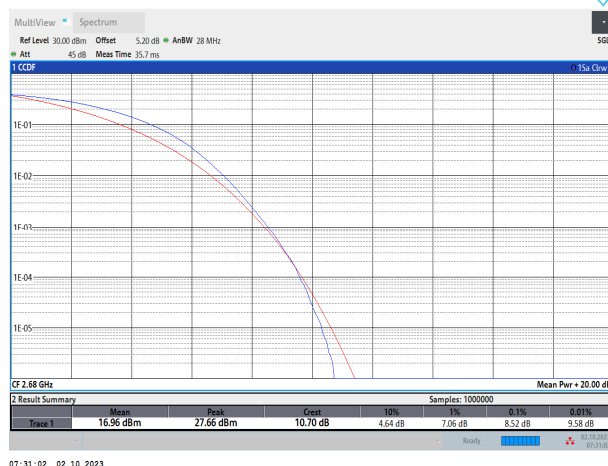
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Band41-20MHz-256QAM-40620-100RB#0



Band41-20MHz-256QAM-41490-100RB#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	40620	25RB#0	4.469	5.05	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.483	5.03	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.488	5.02	PASS
Band41	5MHz	256QAM	40620	25RB#0	4.48	5.03	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.94	9.78	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.933	9.86	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.94	9.84	PASS
Band41	10MHz	256QAM	40620	50RB#0	8.913	9.86	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.469	15.03	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.465	15.00	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.483	14.97	PASS
Band41	15MHz	256QAM	40620	75RB#0	13.485	14.94	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.909	19.72	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.897	19.64	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.868	19.72	PASS
Band41	20MHz	256QAM	40620	100RB#0	17.885	19.68	PASS



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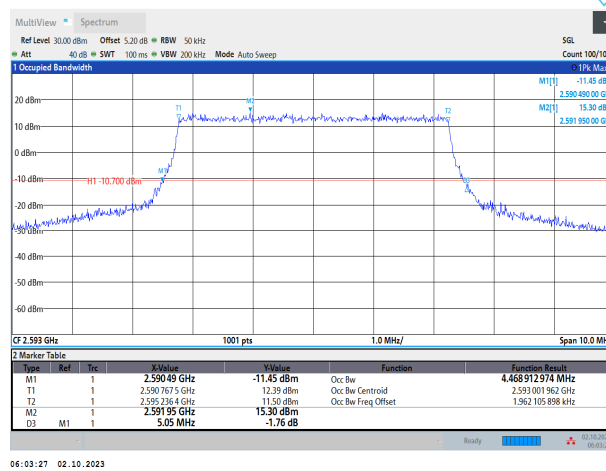
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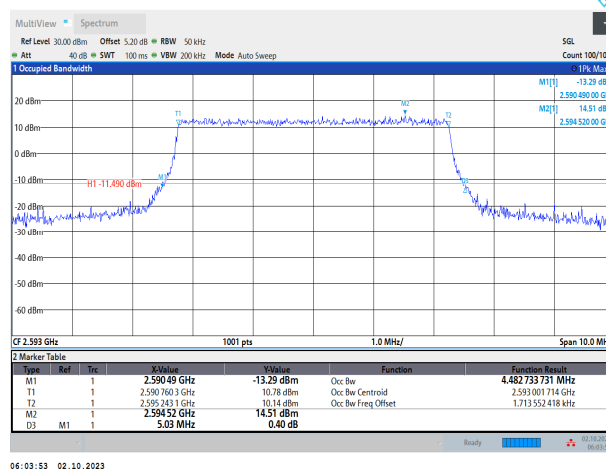
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Test Graphs

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



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

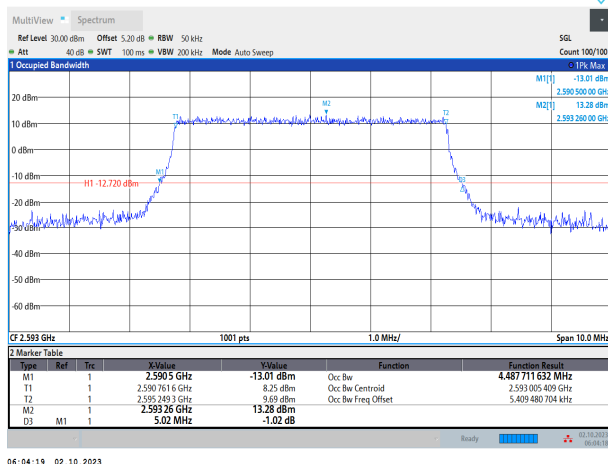


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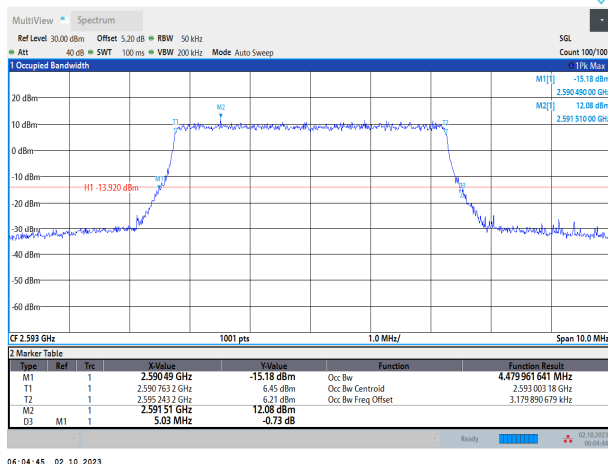
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Band41-5MHz-64QAM-40620-25RB#0



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

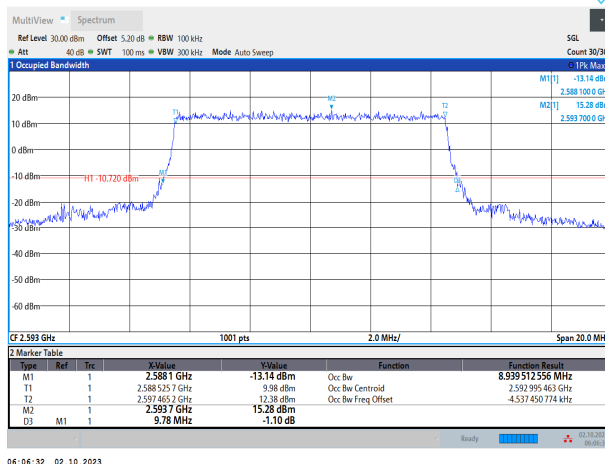


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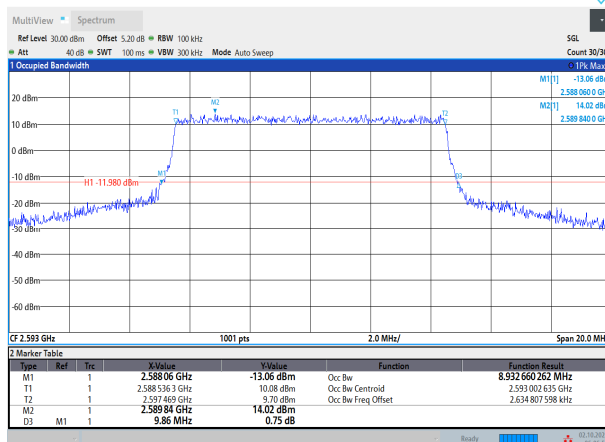
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Band41-10MHz-QPSK-40620-50RB#0



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Band41-10MHz-16QAM-40620-50RB#0



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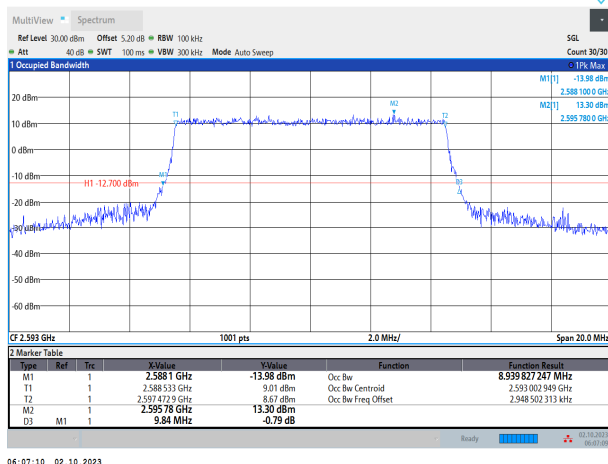
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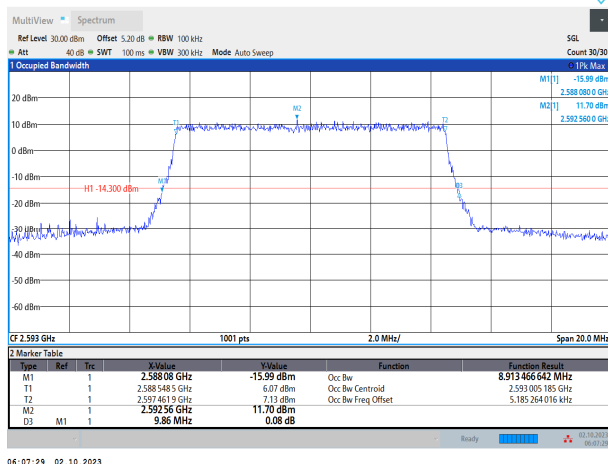
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Band41-10MHz-64QAM-40620-50RB#0



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



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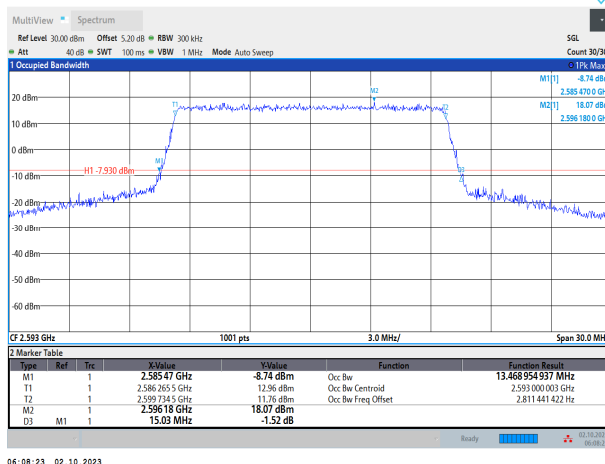
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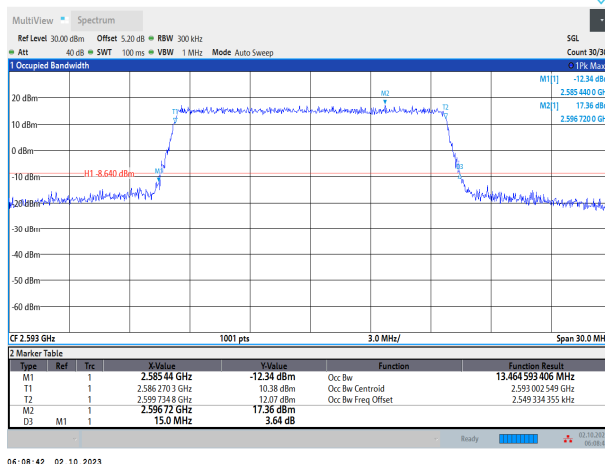
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Band41-15MHz-QPSK-40620-75RB#0



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



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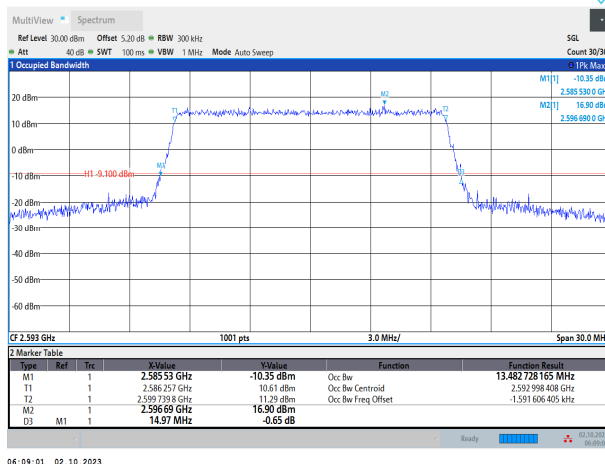
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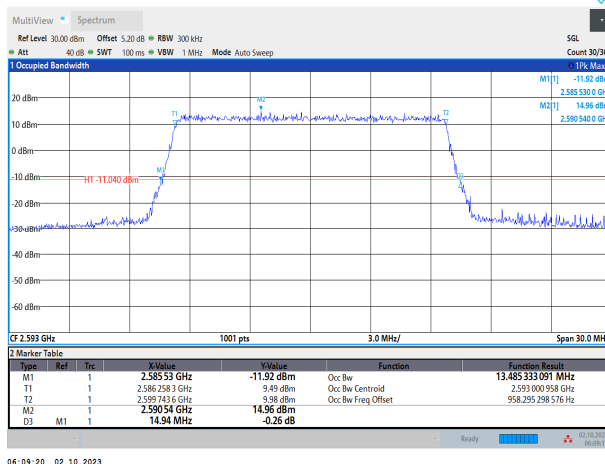
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Band41-15MHz-64QAM-40620-75RB#0



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

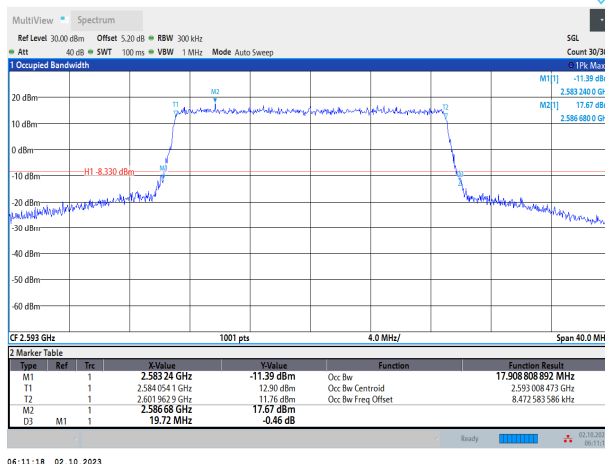


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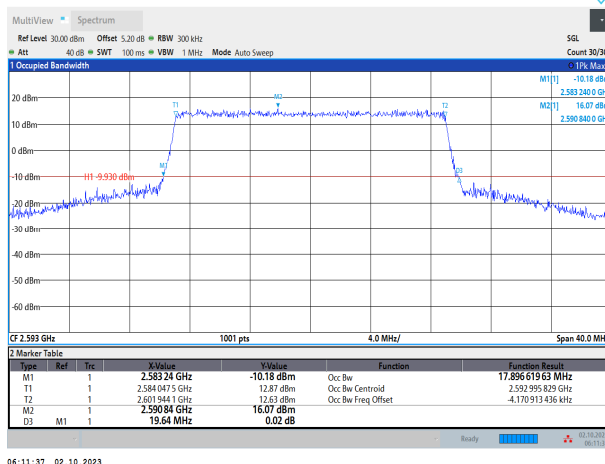
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Band41-20MHz-QPSK-40620-100RB#0



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



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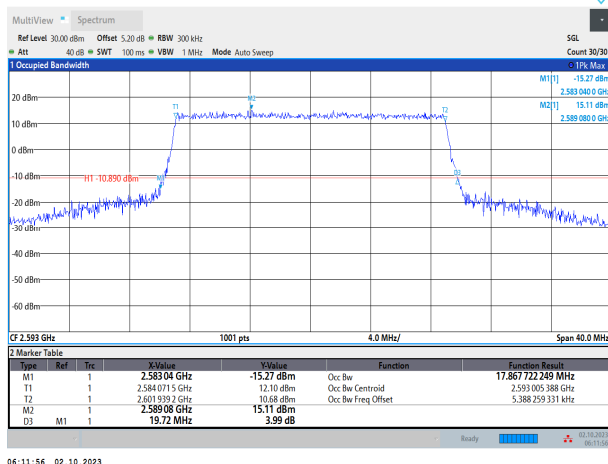
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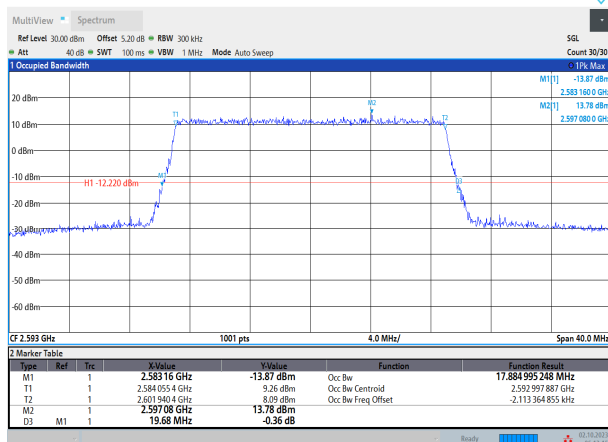
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Band41-20MHz-64QAM-40620-100RB#0



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



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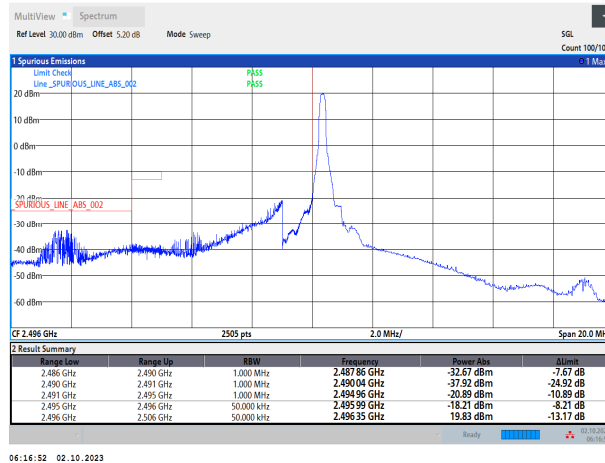
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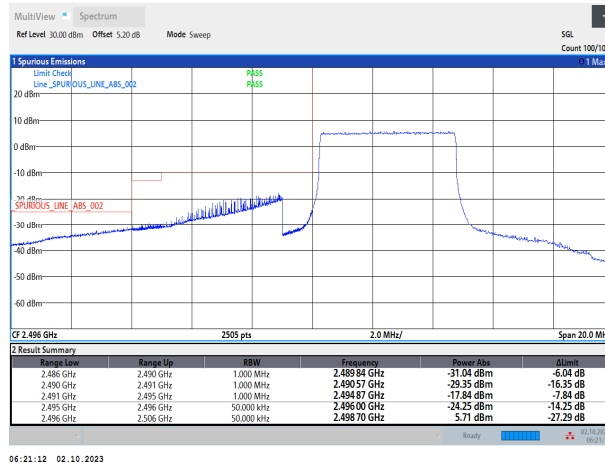
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Test Graphs

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



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



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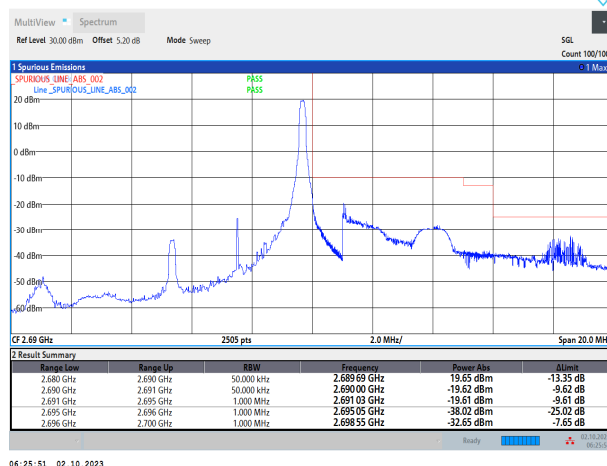
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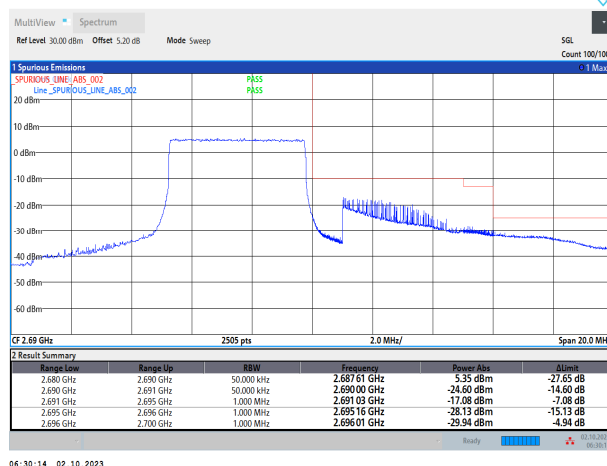
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Band41-5MHz-QPSK-41565-1RB#24



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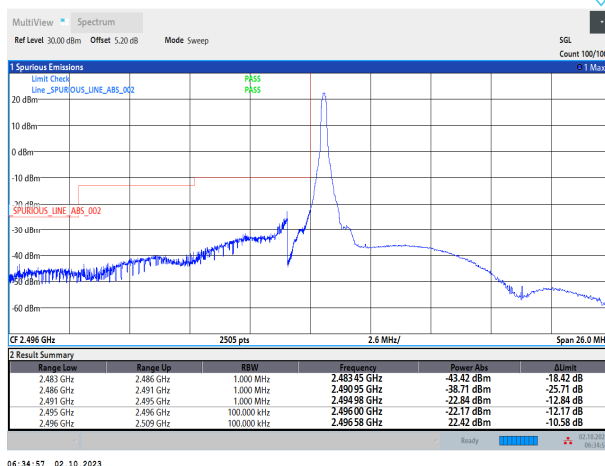
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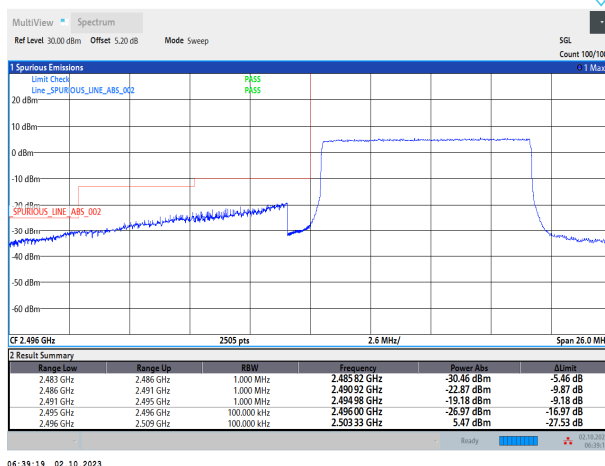
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Band41-10MHz-QPSK-39700-1RB#0



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



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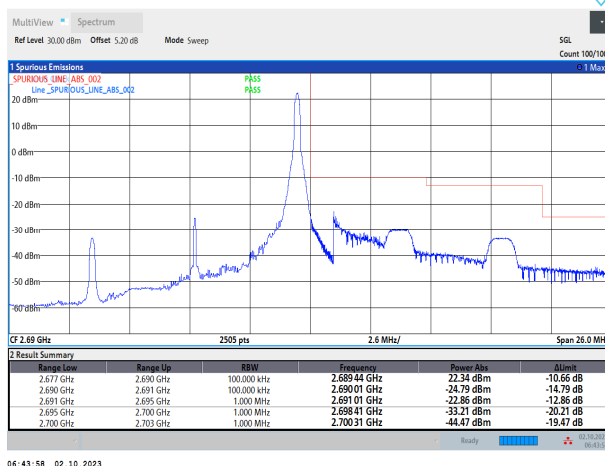
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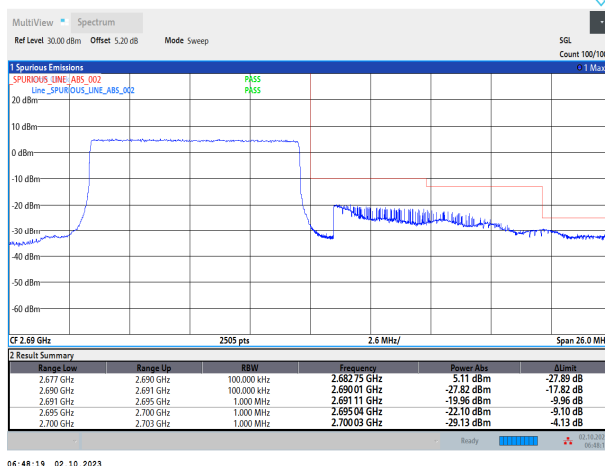
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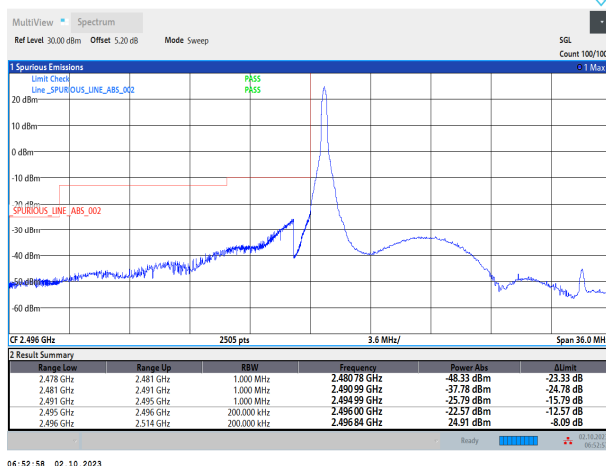
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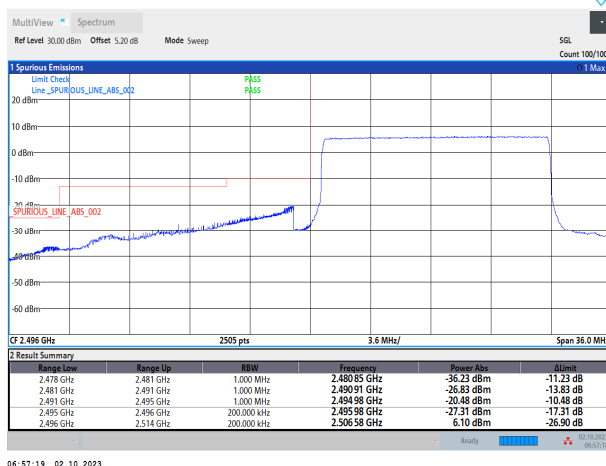
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Band41-15MHz-QPSK-39725-1RB#0



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

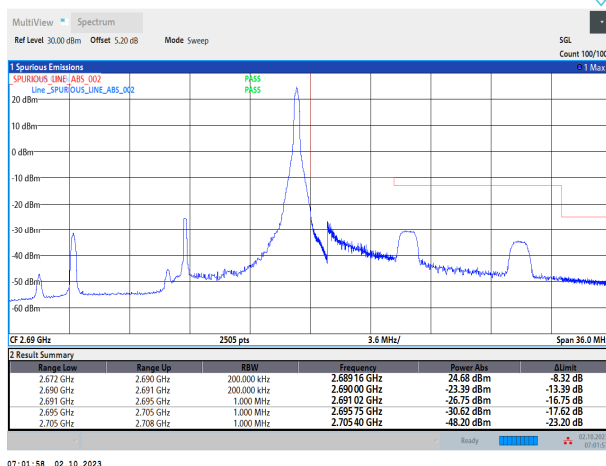


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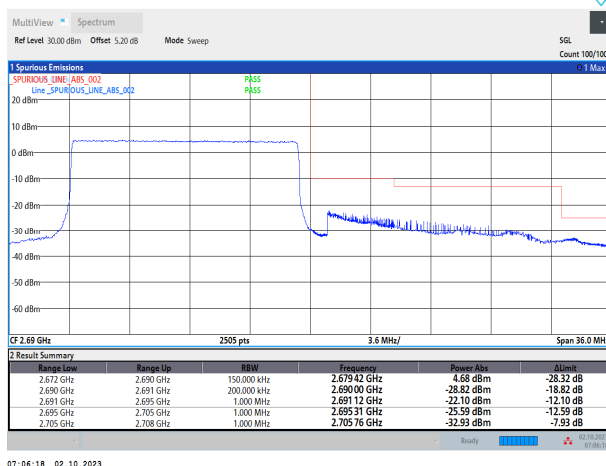
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Band41-15MHz-QPSK-41515-75RB#0

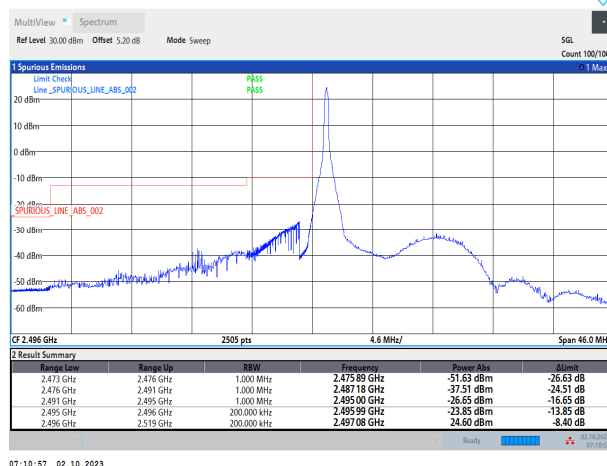


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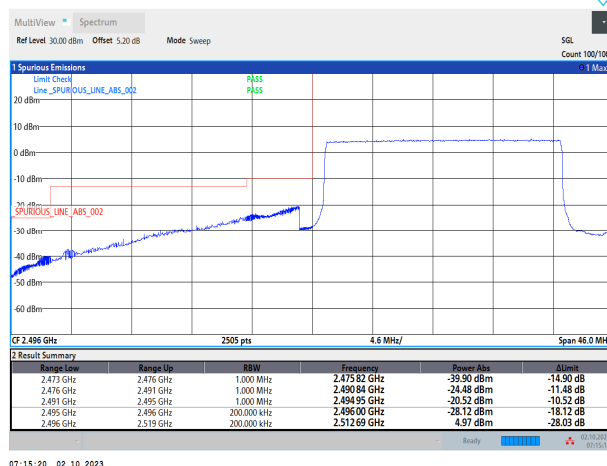
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Band41-20MHz-QPSK-39750-100RB#0



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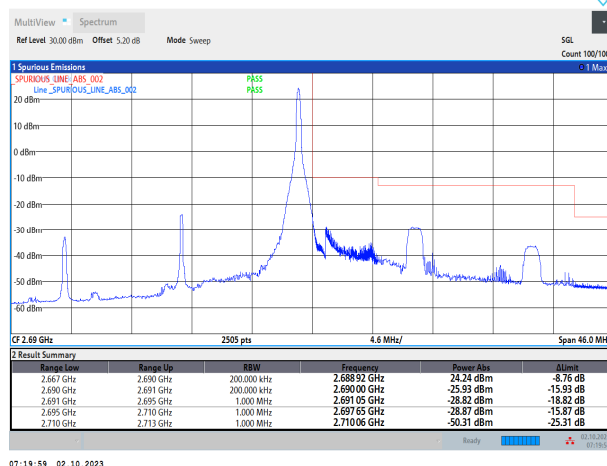
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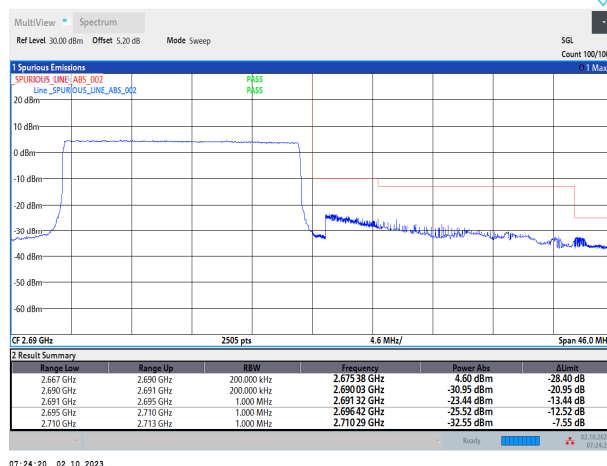
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Band41-20MHz-QPSK-41490-1RB#99



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



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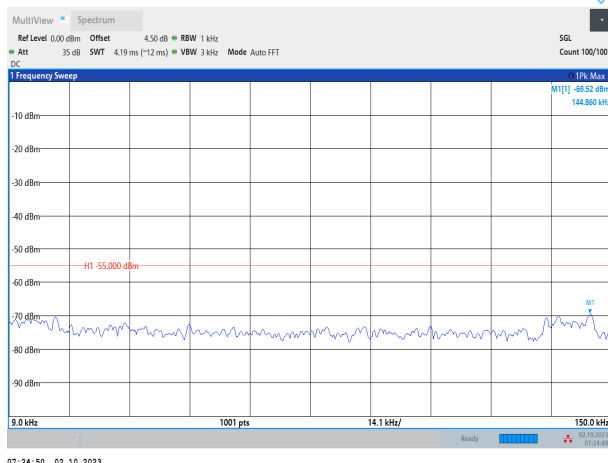
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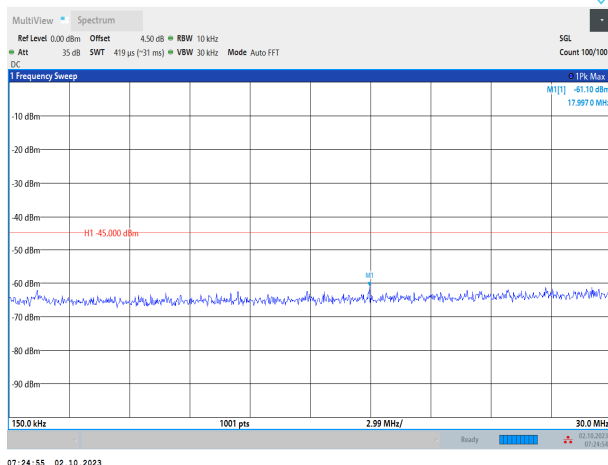
Conducted Spurious Emission

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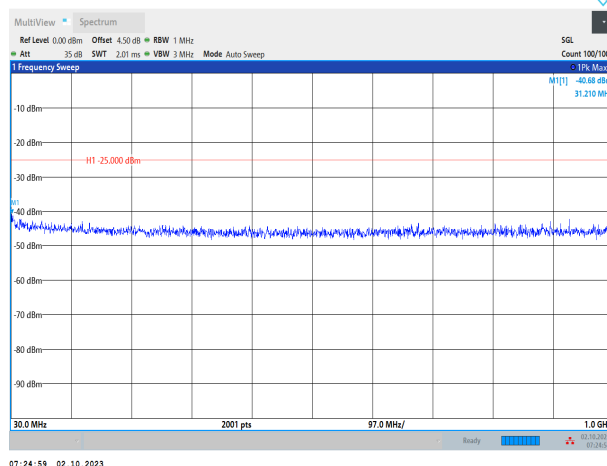
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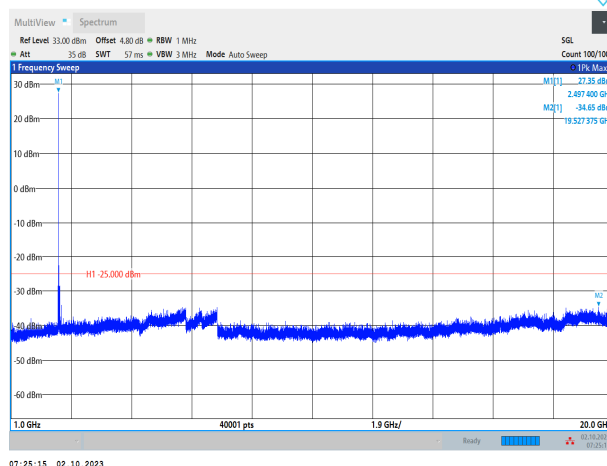
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Band41-20MHz-QPSK-39750-1RB#0-Range3:30~1000MHz



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



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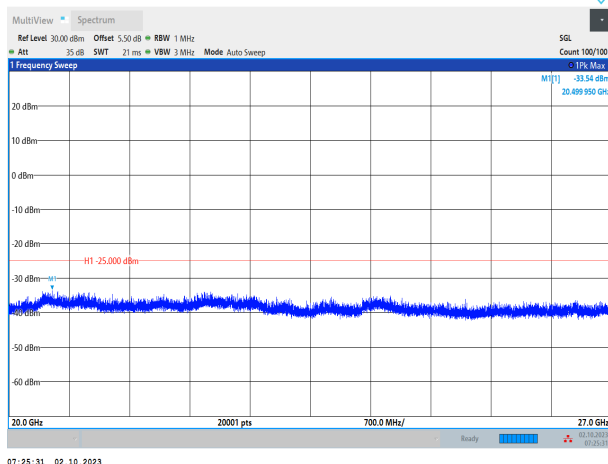
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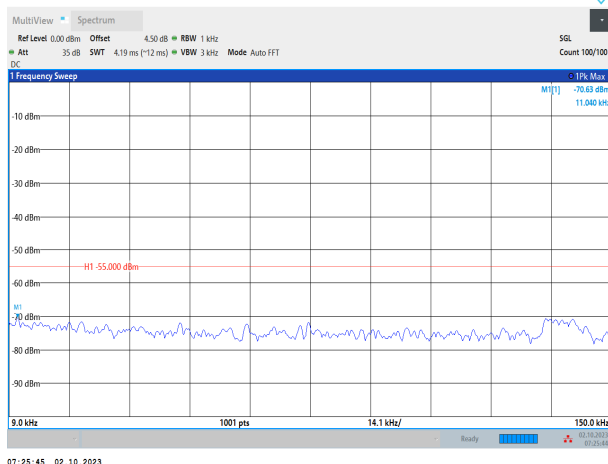
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Band41-20MHz-QPSK-39750-1RB#0-Range5:20000~27000MHz



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



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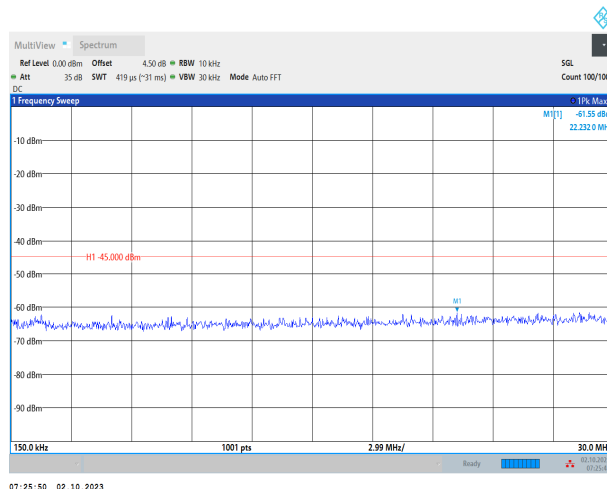
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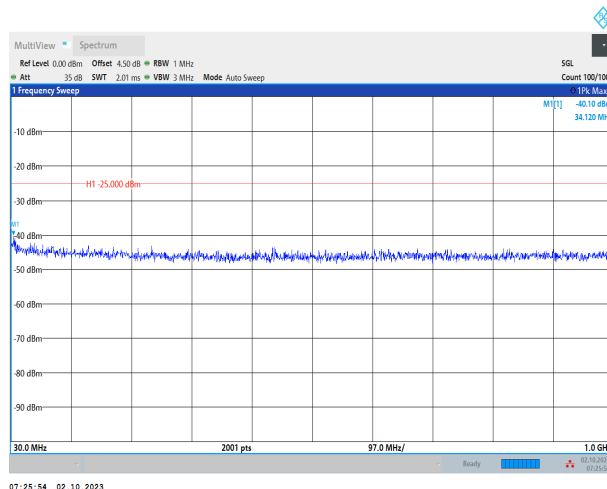
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Band41-20MHz-QPSK-40620-1RB#0-Range2:0.15~30MHz



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

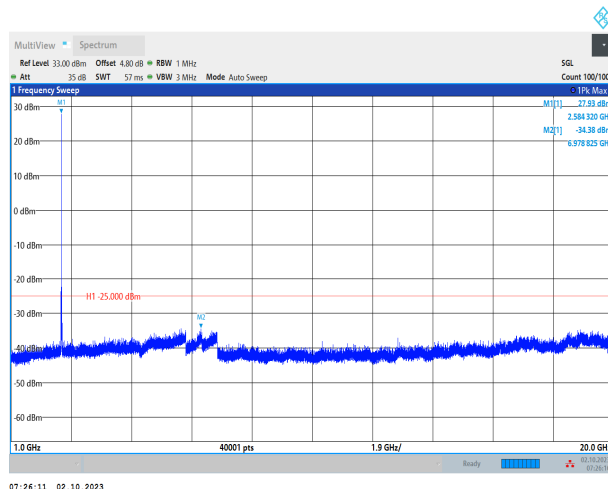


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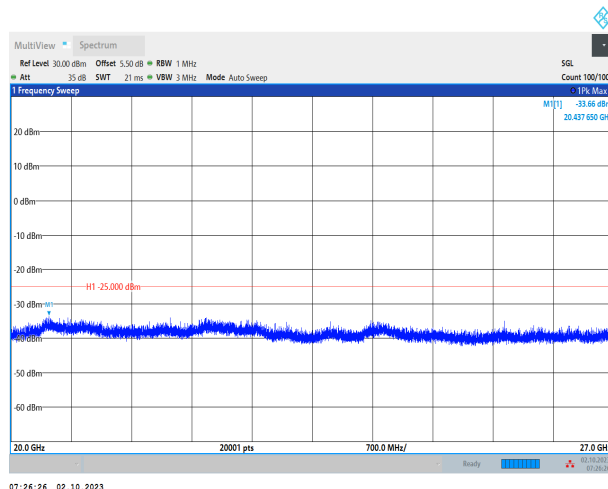
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Band41-20MHz-QPSK-40620-1RB#0-Range4:1000~20000MHz



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



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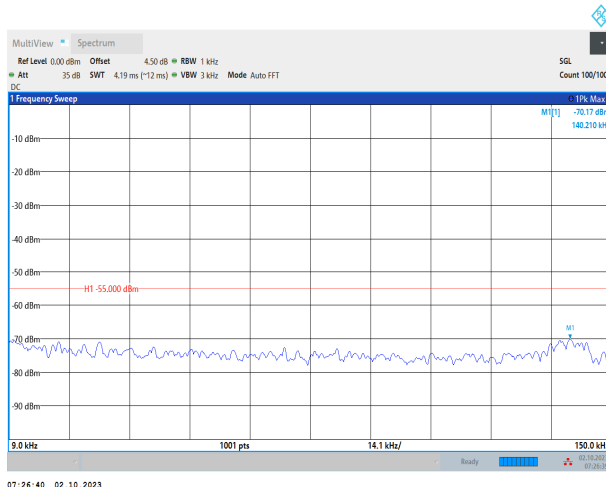
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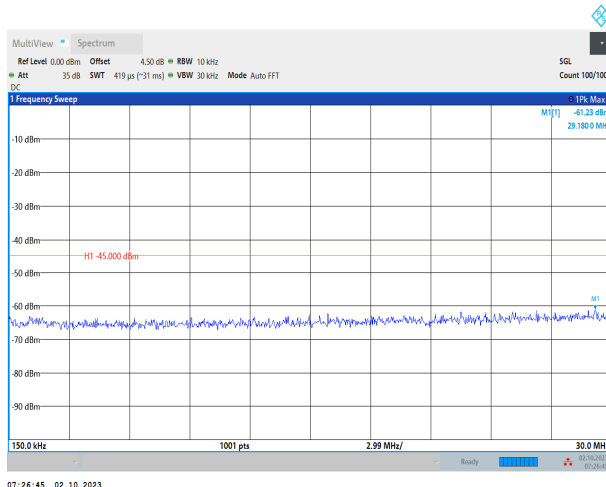
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Band41-20MHz-QPSK-41490-1RB#0-Range1:0.009~0.15MHz



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



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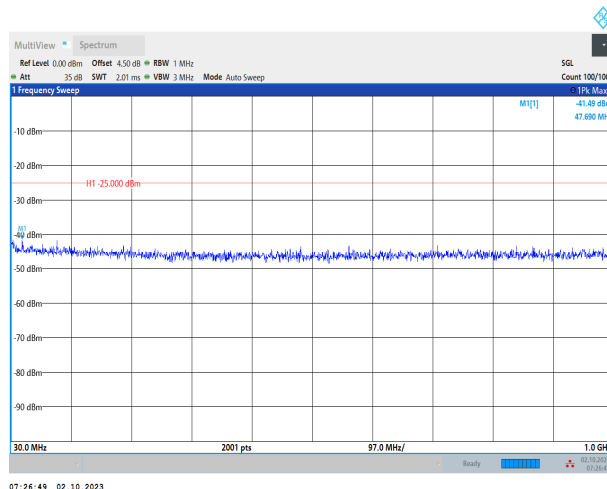
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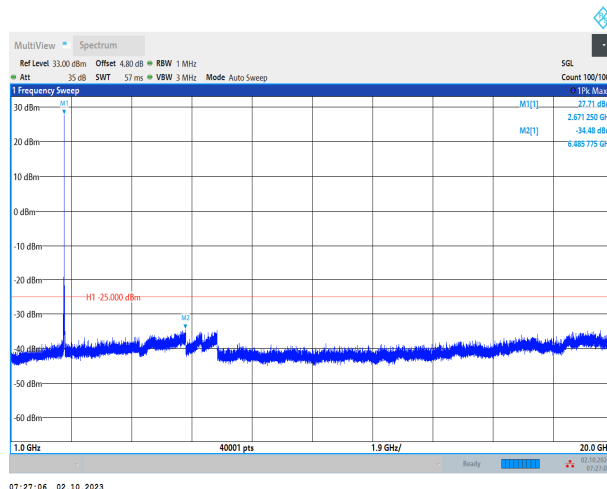
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Band41-20MHz-QPSK-41490-1RB#0-Range3:30~1000MHz



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



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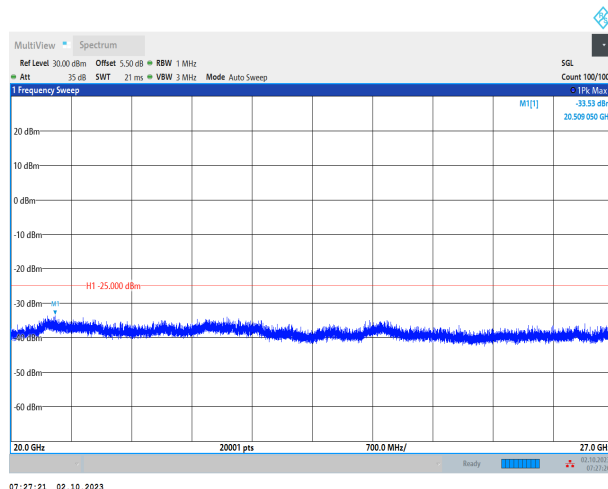


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Band41-20MHz-QPSK-41490-1RB#0-Range5:20000~27000MHz



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Field Strength of Spurious Radiation

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

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4994.18	43.73	-48.01	31.49	-68.05	-25.00	43.05	Horizontal
2	7491.27	41.34	-46.17	36.78	-63.31	-25.00	38.31	Horizontal
3	9988.36	38.73	-41.75	38.49	-59.79	-25.00	34.79	Horizontal
4	12485.45	36.25	-39.84	38.91	-59.94	-25.00	34.94	Horizontal
5	14982.54	35.59	-37.89	40.11	-57.45	-25.00	32.45	Horizontal
6	17479.63	34.38	-36.93	41.97	-55.84	-25.00	30.84	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4994.18	43.77	-48.01	31.49	-68.01	-25.00	43.01	Vertical
2	7491.27	41.27	-46.17	36.78	-63.38	-25.00	38.38	Vertical
3	9988.36	38.72	-41.75	38.49	-59.80	-25.00	34.80	Vertical
4	12485.45	36.20	-39.84	38.91	-59.99	-25.00	34.99	Vertical
5	14982.54	34.92	-37.89	40.11	-58.12	-25.00	33.12	Vertical
6	17479.63	34.90	-36.93	41.97	-55.32	-25.00	30.32	Vertical



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

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4677.5	45.68	-47.97	30.73	-66.82	-25.00	41.82	Horizontal
2	5168.18	43.50	-47.87	31.90	-67.72	-25.00	42.72	Horizontal
3	7752.27	41.59	-45.05	36.50	-62.23	-25.00	37.23	Horizontal
4	10336.36	38.49	-41.18	38.80	-59.15	-25.00	34.15	Horizontal
5	12920.45	36.66	-39.42	38.65	-59.37	-25.00	34.37	Horizontal
6	15504.54	35.68	-38.05	39.14	-58.49	-25.00	33.49	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4787.5	45.62	-48.00	30.99	-66.65	-25.00	41.65	Vertical
2	5168.18	43.49	-47.87	31.90	-67.73	-25.00	42.73	Vertical
3	7752.27	42.28	-45.05	36.50	-61.54	-25.00	36.54	Vertical
4	10336.36	38.72	-41.18	38.80	-58.92	-25.00	33.92	Vertical
5	12920.45	37.19	-39.42	38.65	-58.84	-25.00	33.84	Vertical
6	15504.54	35.47	-38.05	39.14	-58.70	-25.00	33.70	Vertical



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South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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

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Test Band = LTE Band 41_ TM1**Test Channel = High****Final Data List**

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4939.5	44.91	-48.02	31.35	-67.02	-25.00	42.02	Horizontal
2	5255.18	43.74	-47.83	32.11	-67.24	-25.00	42.24	Horizontal
3	7882.77	41.66	-45.36	36.34	-62.62	-25.00	37.62	Horizontal
4	10510.36	37.73	-40.71	38.96	-59.28	-25.00	34.28	Horizontal
5	13137.95	35.99	-38.51	38.92	-58.87	-25.00	33.87	Horizontal
6	15765.54	34.84	-38.22	38.64	-60.00	-25.00	35.00	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4822	45.23	-48.01	31.07	-66.97	-25.00	41.97	Vertical
2	5255.18	43.57	-47.83	32.11	-67.41	-25.00	42.41	Vertical
3	7882.77	41.53	-45.36	36.34	-62.75	-25.00	37.75	Vertical
4	10510.36	37.87	-40.71	38.96	-59.14	-25.00	34.14	Vertical
5	13137.95	37.01	-38.51	38.92	-57.85	-25.00	32.85	Vertical
6	15765.54	34.07	-38.22	38.64	-60.77	-25.00	35.77	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) - Pre-amplifier (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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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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

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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	-1.10	-0.000424	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-2.80	-0.001080	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	-1.90	-0.000733	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-2.80	-0.001080	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-1.70	-0.000656	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	-1.20	-0.000463	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-0.20	-0.000077	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-1.10	-0.000424	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	-1.80	-0.000694	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	-0.60	-0.000231	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-1.50	-0.000578	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	-0.40	-0.000154	PASS

---End of Attachment---



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