

Report No.: SEWA2309000114RG01

Rev.: 01

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Appendix B.15

LTE Band 41



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	25.02	27.42	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#12	25.07	27.47	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#24	25.05	27.45	33.00	PASS
Band41	5MHz	QPSK	39675	25RB#0	24.09	26.49	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#0	25.26	27.66	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#12	25.48	27.88	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#24	25.37	27.77	33.00	PASS
Band41	5MHz	QPSK	40620	25RB#0	24.37	26.77	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#0	25.13	27.53	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#12	25.2	27.6	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#24	25.06	27.46	33.00	PASS
Band41	5MHz	QPSK	41565	25RB#0	24.13	26.53	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#0	24.07	26.47	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#12	24.06	26.46	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#24	23.91	26.31	33.00	PASS
Band41	5MHz	16QAM	39675	25RB#0	23.06	25.46	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#0	24.35	26.75	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#12	24.45	26.85	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#24	24.31	26.71	33.00	PASS
Band41	5MHz	16QAM	40620	25RB#0	23.37	25.77	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#0	24.04	26.44	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#12	24.16	26.56	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#24	24.08	26.48	33.00	PASS
Band41	5MHz	16QAM	41565	25RB#0	23.13	25.53	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#0	23.13	25.53	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#12	23.17	25.57	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#24	23.11	25.51	33.00	PASS
Band41	5MHz	64QAM	39675	25RB#0	22.07	24.47	33.00	PASS



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Band41	5MHz	64QAM	40620	1RB#0	23.45	25.85	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#12	23.57	25.97	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#24	23.44	25.84	33.00	PASS
Band41	5MHz	64QAM	40620	25RB#0	22.4	24.8	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#0	23.2	25.6	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#12	23.3	25.7	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#24	23.14	25.54	33.00	PASS
Band41	5MHz	64QAM	41565	25RB#0	22.12	24.52	33.00	PASS
Band41	5MHz	256QAM	39675	1RB#0	19.93	22.33	33.00	PASS
Band41	5MHz	256QAM	39675	1RB#12	20.01	22.41	33.00	PASS
Band41	5MHz	256QAM	39675	1RB#24	20.09	22.49	33.00	PASS
Band41	5MHz	256QAM	39675	25RB#0	20.05	22.45	33.00	PASS
Band41	5MHz	256QAM	40620	1RB#0	20.34	22.74	33.00	PASS
Band41	5MHz	256QAM	40620	1RB#12	20.44	22.84	33.00	PASS
Band41	5MHz	256QAM	40620	1RB#24	20.27	22.67	33.00	PASS
Band41	5MHz	256QAM	40620	25RB#0	20.36	22.76	33.00	PASS
Band41	5MHz	256QAM	41565	1RB#0	19.99	22.39	33.00	PASS
Band41	5MHz	256QAM	41565	1RB#12	20.21	22.61	33.00	PASS
Band41	5MHz	256QAM	41565	1RB#24	19.95	22.35	33.00	PASS
Band41	5MHz	256QAM	41565	25RB#0	20.13	22.53	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#0	25.04	27.44	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#24	25.06	27.46	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#49	24.98	27.38	33.00	PASS
Band41	10MHz	QPSK	39700	50RB#0	24.09	26.49	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#0	25.25	27.65	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#24	25.42	27.82	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#49	25.35	27.75	33.00	PASS
Band41	10MHz	QPSK	40620	50RB#0	24.36	26.76	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#0	25.06	27.46	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#24	25.16	27.56	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#49	25.04	27.44	33.00	PASS
Band41	10MHz	QPSK	41540	50RB#0	24.07	26.47	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#0	24.03	26.43	33.00	PASS



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Band41	10MHz	16QAM	39700	1RB#24	23.98	26.38	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#49	23.98	26.38	33.00	PASS
Band41	10MHz	16QAM	39700	50RB#0	23.1	25.5	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#0	24.33	26.73	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#24	24.36	26.76	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#49	24.33	26.73	33.00	PASS
Band41	10MHz	16QAM	40620	50RB#0	23.4	25.8	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#0	24.02	26.42	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#24	24.15	26.55	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#49	23.92	26.32	33.00	PASS
Band41	10MHz	16QAM	41540	50RB#0	23.07	25.47	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#0	23.15	25.55	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#24	23.1	25.5	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#49	23.1	25.5	33.00	PASS
Band41	10MHz	64QAM	39700	50RB#0	22.11	24.51	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#0	23.42	25.82	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#24	23.57	25.97	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#49	23.53	25.93	33.00	PASS
Band41	10MHz	64QAM	40620	50RB#0	22.38	24.78	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#0	23.14	25.54	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#24	23.24	25.64	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#49	23.14	25.54	33.00	PASS
Band41	10MHz	64QAM	41540	50RB#0	22.02	24.42	33.00	PASS
Band41	10MHz	256QAM	39700	1RB#0	20	22.4	33.00	PASS
Band41	10MHz	256QAM	39700	1RB#24	20.05	22.45	33.00	PASS
Band41	10MHz	256QAM	39700	1RB#49	19.95	22.35	33.00	PASS
Band41	10MHz	256QAM	39700	50RB#0	20.1	22.5	33.00	PASS
Band41	10MHz	256QAM	40620	1RB#0	20.31	22.71	33.00	PASS
Band41	10MHz	256QAM	40620	1RB#24	20.45	22.85	33.00	PASS
Band41	10MHz	256QAM	40620	1RB#49	20.17	22.57	33.00	PASS
Band41	10MHz	256QAM	40620	50RB#0	20.39	22.79	33.00	PASS
Band41	10MHz	256QAM	41540	1RB#0	19.94	22.34	33.00	PASS
Band41	10MHz	256QAM	41540	1RB#24	20.03	22.43	33.00	PASS



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Band41	10MHz	256QAM	41540	1RB#49	20.01	22.41	33.00	PASS
Band41	10MHz	256QAM	41540	50RB#0	20.07	22.47	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#0	24.82	27.22	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#38	24.86	27.26	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#74	24.8	27.2	33.00	PASS
Band41	15MHz	QPSK	39725	75RB#0	23.95	26.35	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#0	25.13	27.53	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#38	25.24	27.64	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#74	25.22	27.62	33.00	PASS
Band41	15MHz	QPSK	40620	75RB#0	24.21	26.61	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#0	24.76	27.16	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#38	24.98	27.38	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#74	24.87	27.27	33.00	PASS
Band41	15MHz	QPSK	41515	75RB#0	23.88	26.28	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#0	23.85	26.25	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#38	23.85	26.25	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#74	23.86	26.26	33.00	PASS
Band41	15MHz	16QAM	39725	75RB#0	22.94	25.34	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#0	24.09	26.49	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#38	24.11	26.51	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#74	24.17	26.57	33.00	PASS
Band41	15MHz	16QAM	40620	75RB#0	23.23	25.63	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#0	24	26.4	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#38	23.81	26.21	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#74	23.81	26.21	33.00	PASS
Band41	15MHz	16QAM	41515	75RB#0	22.87	25.27	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#0	22.89	25.29	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#38	22.97	25.37	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#74	22.92	25.32	33.00	PASS
Band41	15MHz	64QAM	39725	75RB#0	21.94	24.34	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#0	23.21	25.61	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#38	23.23	25.63	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#74	23.25	25.65	33.00	PASS



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Band41	15MHz	64QAM	40620	75RB#0	22.24	24.64	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#0	23.01	25.41	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#38	22.97	25.37	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#74	22.89	25.29	33.00	PASS
Band41	15MHz	64QAM	41515	75RB#0	21.88	24.28	33.00	PASS
Band41	15MHz	256QAM	39725	1RB#0	19.67	22.07	33.00	PASS
Band41	15MHz	256QAM	39725	1RB#38	19.78	22.18	33.00	PASS
Band41	15MHz	256QAM	39725	1RB#74	19.93	22.33	33.00	PASS
Band41	15MHz	256QAM	39725	75RB#0	19.93	22.33	33.00	PASS
Band41	15MHz	256QAM	40620	1RB#0	20.14	22.54	33.00	PASS
Band41	15MHz	256QAM	40620	1RB#38	20.27	22.67	33.00	PASS
Band41	15MHz	256QAM	40620	1RB#74	20.2	22.6	33.00	PASS
Band41	15MHz	256QAM	40620	75RB#0	20.21	22.61	33.00	PASS
Band41	15MHz	256QAM	41515	1RB#0	19.91	22.31	33.00	PASS
Band41	15MHz	256QAM	41515	1RB#38	19.87	22.27	33.00	PASS
Band41	15MHz	256QAM	41515	1RB#74	19.82	22.22	33.00	PASS
Band41	15MHz	256QAM	41515	75RB#0	19.9	22.3	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#0	24.83	27.23	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#49	24.86	27.26	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#99	24.91	27.31	33.00	PASS
Band41	20MHz	QPSK	39750	100RB#0	23.95	26.35	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#0	25.13	27.53	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#49	25.28	27.68	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#99	25.27	27.67	33.00	PASS
Band41	20MHz	QPSK	40620	100RB#0	24.19	26.59	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#0	24.87	27.27	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#49	25	27.4	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#99	24.95	27.35	33.00	PASS
Band41	20MHz	QPSK	41490	100RB#0	23.94	26.34	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#0	23.8	26.2	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#49	23.81	26.21	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#99	23.88	26.28	33.00	PASS
Band41	20MHz	16QAM	39750	100RB#0	22.95	25.35	33.00	PASS



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Band41	20MHz	16QAM	40620	1RB#0	24.22	26.62	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#49	24.2	26.6	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#99	24.24	26.64	33.00	PASS
Band41	20MHz	16QAM	40620	100RB#0	23.23	25.63	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#0	23.98	26.38	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#49	23.86	26.26	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#99	23.83	26.23	33.00	PASS
Band41	20MHz	16QAM	41490	100RB#0	22.94	25.34	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#0	22.77	25.17	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#49	22.9	25.3	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#99	22.89	25.29	33.00	PASS
Band41	20MHz	64QAM	39750	100RB#0	21.94	24.34	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#0	23.39	25.79	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#49	23.28	25.68	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#99	23.32	25.72	33.00	PASS
Band41	20MHz	64QAM	40620	100RB#0	22.23	24.63	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#0	23.11	25.51	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#49	22.97	25.37	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#99	22.98	25.38	33.00	PASS
Band41	20MHz	64QAM	41490	100RB#0	21.93	24.33	33.00	PASS
Band41	20MHz	256QAM	39750	1RB#0	19.78	22.18	33.00	PASS
Band41	20MHz	256QAM	39750	1RB#49	19.82	22.22	33.00	PASS
Band41	20MHz	256QAM	39750	1RB#99	19.93	22.33	33.00	PASS
Band41	20MHz	256QAM	39750	100RB#0	19.95	22.35	33.00	PASS
Band41	20MHz	256QAM	40620	1RB#0	20.2	22.6	33.00	PASS
Band41	20MHz	256QAM	40620	1RB#49	20.17	22.57	33.00	PASS
Band41	20MHz	256QAM	40620	1RB#99	20.09	22.49	33.00	PASS
Band41	20MHz	256QAM	40620	100RB#0	20.21	22.61	33.00	PASS
Band41	20MHz	256QAM	41490	1RB#0	20	22.4	33.00	PASS
Band41	20MHz	256QAM	41490	1RB#49	19.85	22.25	33.00	PASS
Band41	20MHz	256QAM	41490	1RB#99	19.74	22.14	33.00	PASS
Band41	20MHz	256QAM	41490	100RB#0	19.91	22.31	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	8.68	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.94	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.84	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.36	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.84	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.58	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	9.86	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	10.16	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	9.78	13	PASS
Band41	20MHz	256QAM	39750	100RB#0	10.06	13	PASS
Band41	20MHz	256QAM	40620	100RB#0	10.38	13	PASS
Band41	20MHz	256QAM	41490	100RB#0	9.94	13	PASS



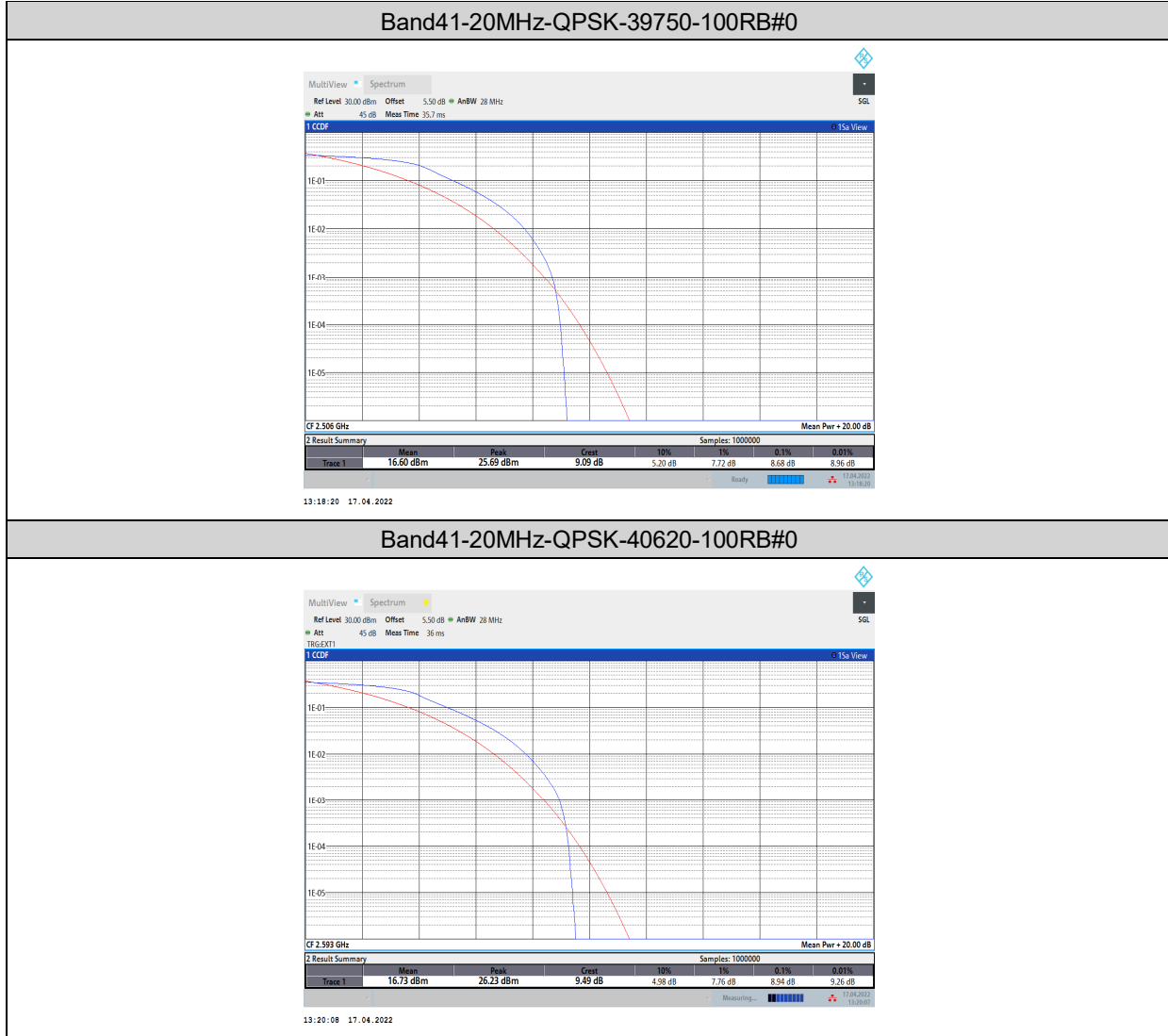
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Test Graphs

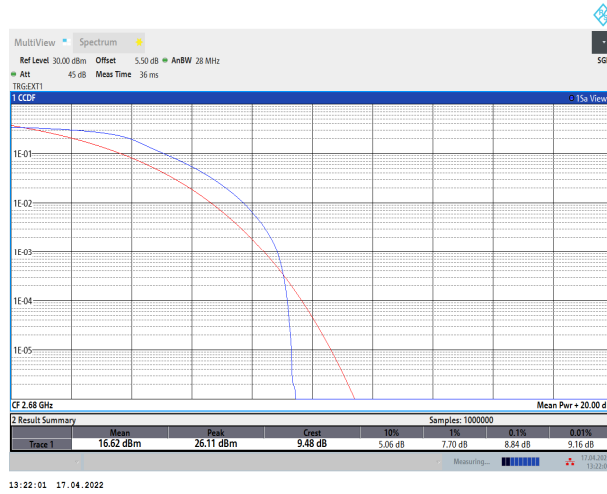


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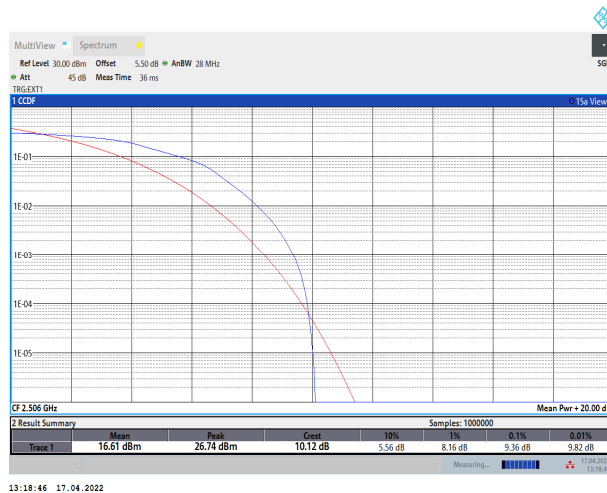
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Band41-20MHz-QPSK-41490-100RB#0



13:22:01 17.04.2022

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



13:18:46 17.04.2022

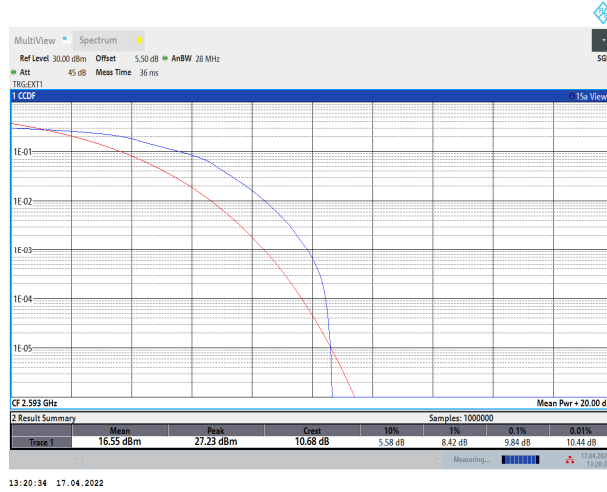


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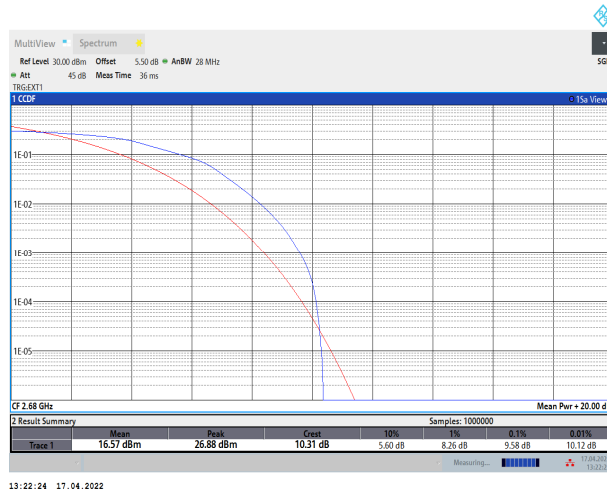
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Band41-20MHz-16QAM-40620-100RB#0



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

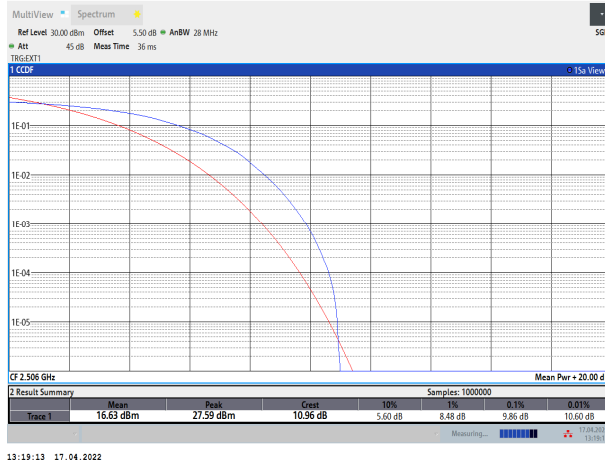


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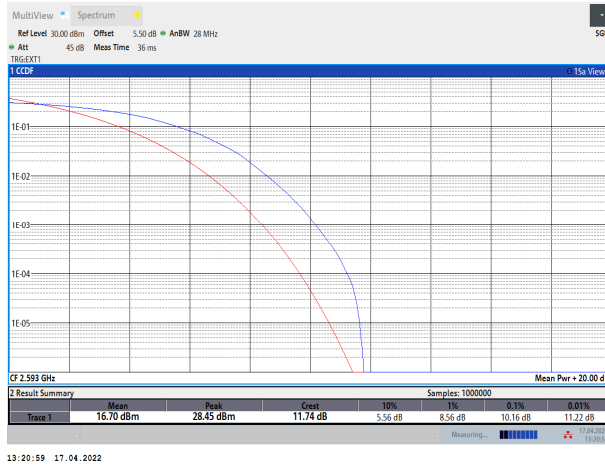
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Band41-20MHz-64QAM-39750-100RB#0



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

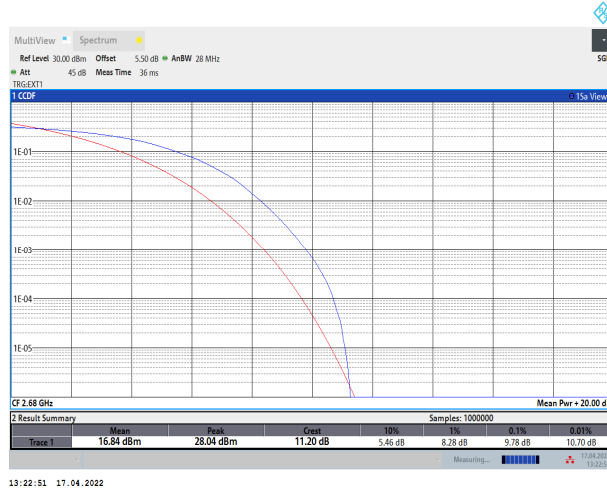


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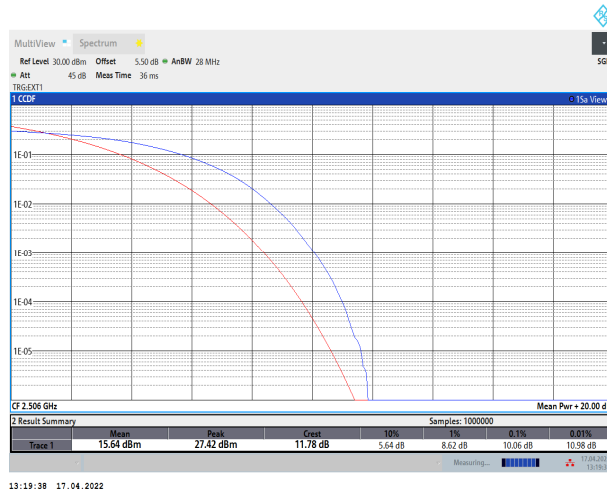
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Band41-20MHz-64QAM-41490-100RB#0



13:22:51 17.04.2022

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



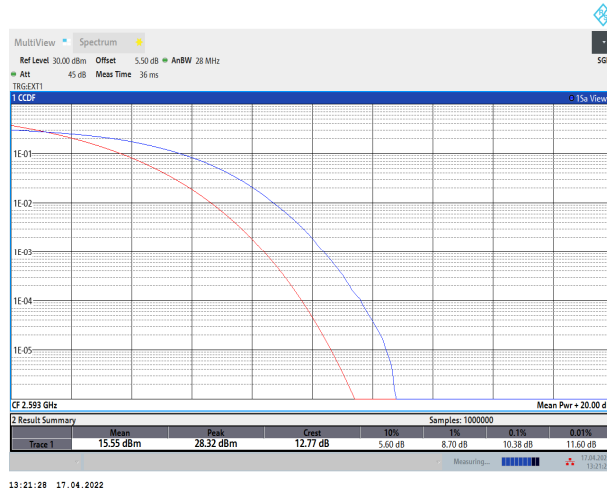
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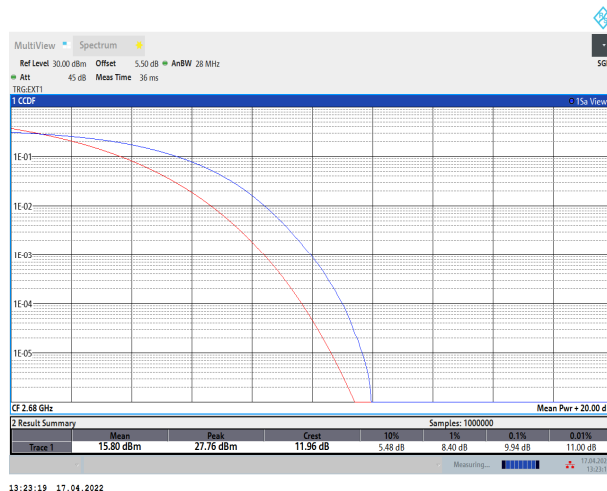
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Band41-20MHz-256QAM-40620-100RB#0



13:21:28 17.04.2022

Band41-20MHz-256QAM-41490-100RB#0



13:23:19 17.04.2022



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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	4.477	5.04	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.479	5.01	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.484	5.04	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.484	5.26	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.475	5.07	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.478	5.17	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.48	5.11	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.472	5.05	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.481	5.15	PASS
Band41	5MHz	256QAM	39675	25RB#0	4.479	4.98	PASS
Band41	5MHz	256QAM	40620	25RB#0	4.481	5.01	PASS
Band41	5MHz	256QAM	41565	25RB#0	4.482	5.24	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.967	9.92	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.95	10.08	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.948	9.94	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.938	9.90	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.928	9.88	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.931	9.96	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.948	10.04	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.941	10.36	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.936	9.92	PASS
Band41	10MHz	256QAM	39700	50RB#0	8.954	10.42	PASS
Band41	10MHz	256QAM	40620	50RB#0	8.96	9.88	PASS
Band41	10MHz	256QAM	41540	50RB#0	8.934	9.92	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.477	15.96	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.484	15.33	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.486	16.35	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.471	16.35	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.495	15.60	PASS



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Report No.: SEWA2309000114RG01

Rev.: 01

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Band41	15MHz	16QAM	41515	75RB#0	13.479	15.87	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.492	15.75	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.487	16.71	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.498	16.44	PASS
Band41	15MHz	256QAM	39725	75RB#0	13.483	15.84	PASS
Band41	15MHz	256QAM	40620	75RB#0	13.471	16.26	PASS
Band41	15MHz	256QAM	41515	75RB#0	13.485	15.45	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.922	20.00	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.93	20.40	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.918	20.60	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.939	21.20	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.909	21.16	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.934	22.04	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.908	21.08	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.933	19.68	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.909	20.88	PASS
Band41	20MHz	256QAM	39750	100RB#0	17.893	20.24	PASS
Band41	20MHz	256QAM	40620	100RB#0	17.927	20.24	PASS
Band41	20MHz	256QAM	41490	100RB#0	17.927	20.88	PASS

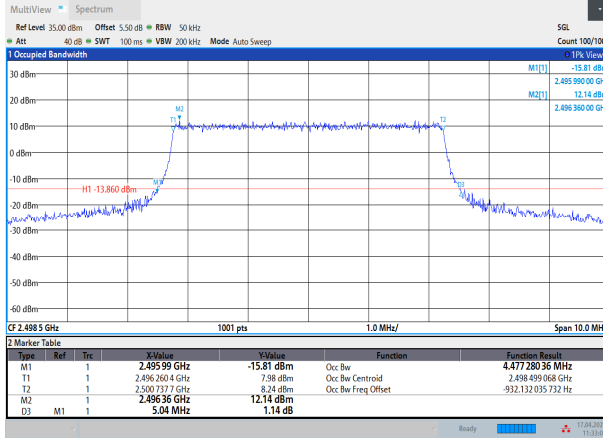


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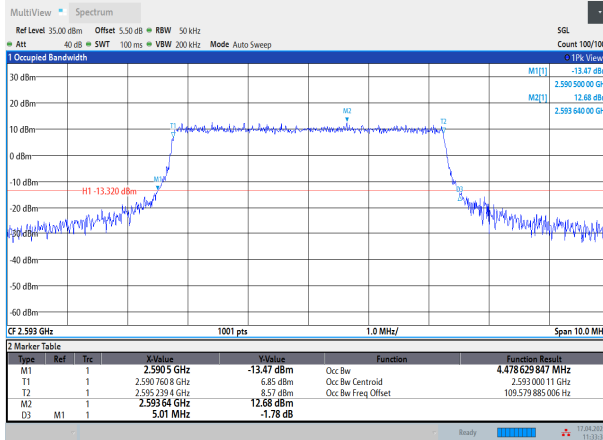
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Test Graphs

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



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

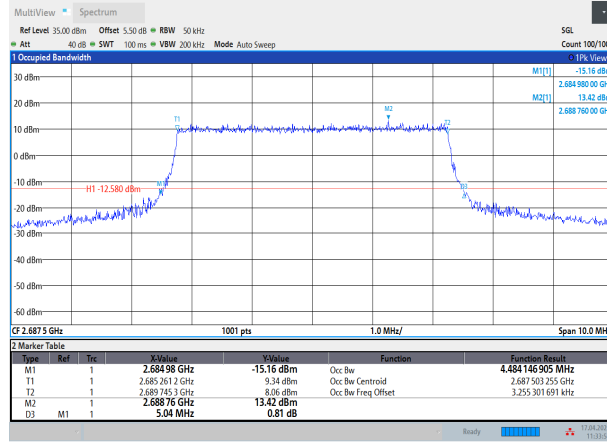


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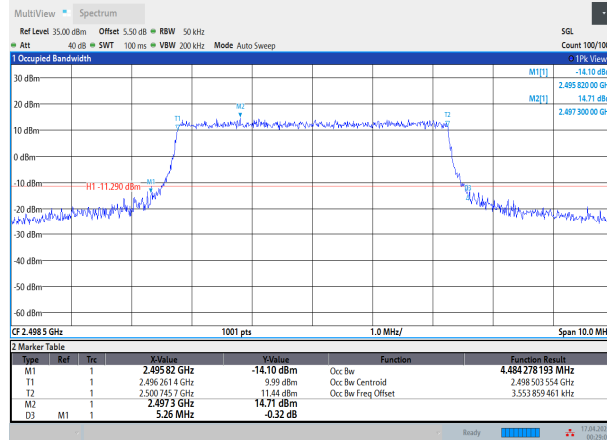
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Band41-5MHz-QPSK-41565-25RB#0



11:34:00 17.04.2022

Band41-5MHz-16QAM-39675-25RB#0



00:29:02 17.04.2022

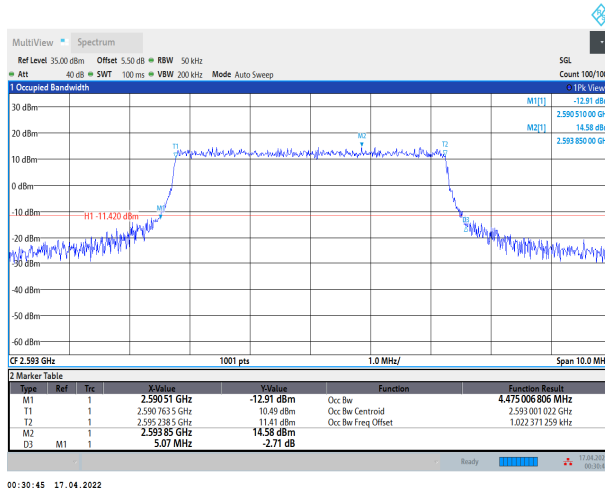


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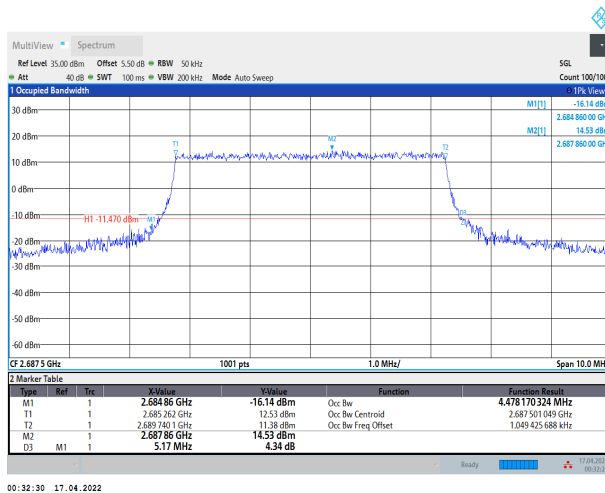
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Band41-5MHz-16QAM-40620-25RB#0



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

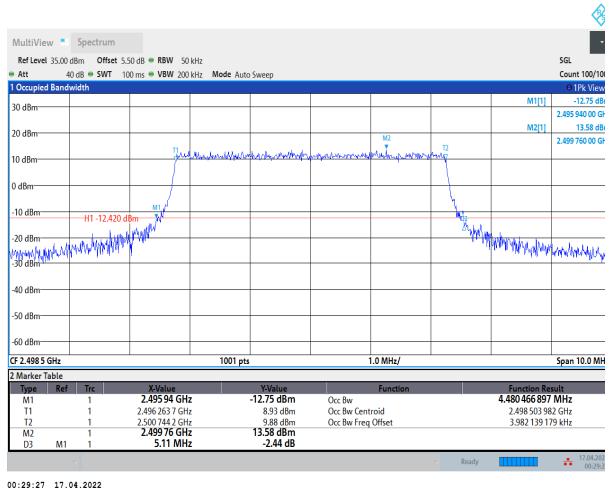


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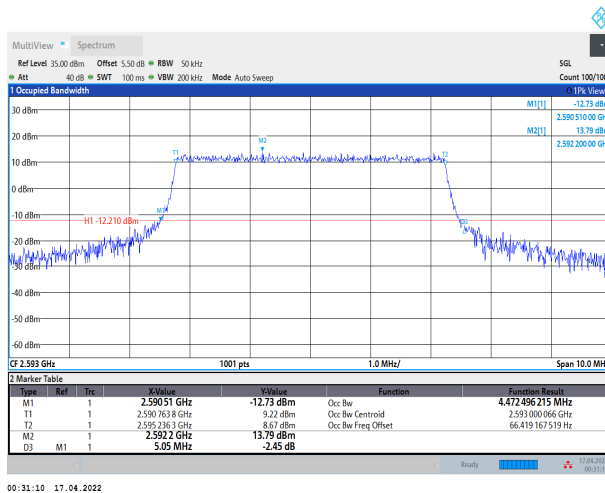
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Band41-5MHz-64QAM-39675-25RB#0



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

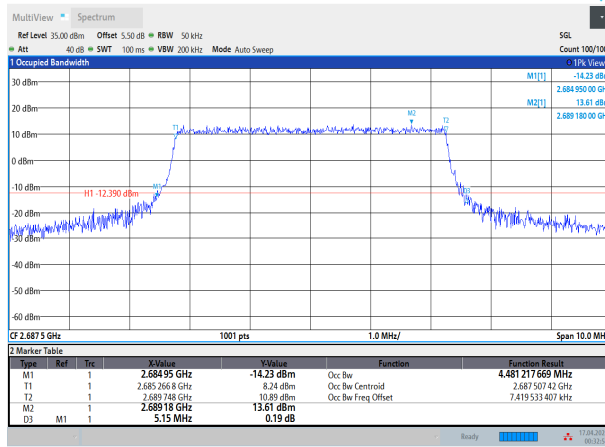


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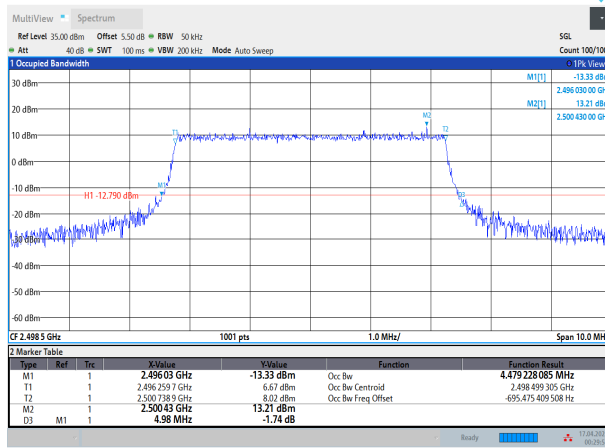
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Band41-5MHz-64QAM-41565-25RB#0



00:32:55 17.04.2022

Band41-5MHz-256QAM-39675-25RB#0



00:29:53 17.04.2022

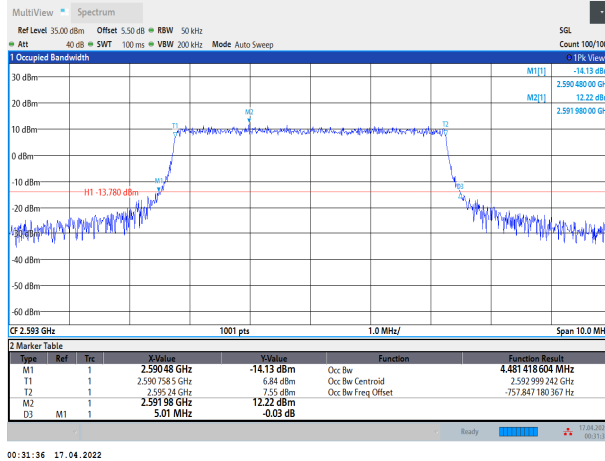


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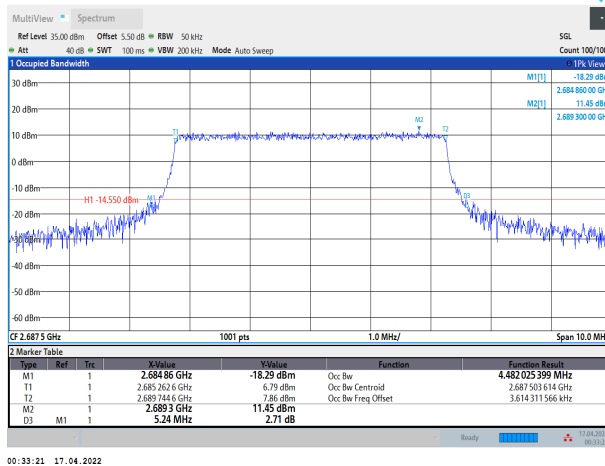
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Band41-5MHz-256QAM-40620-25RB#0



Band41-5MHz-256QAM-41565-25RB#0

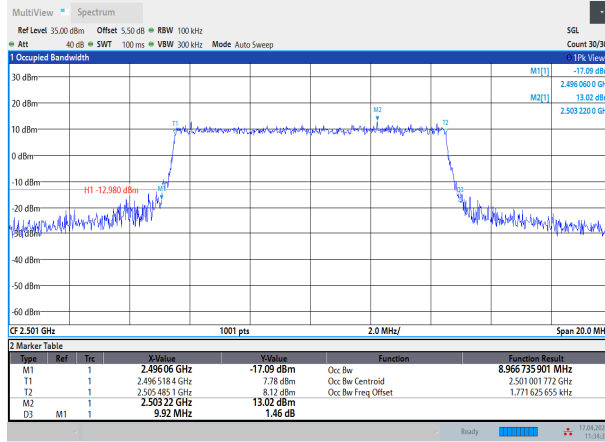


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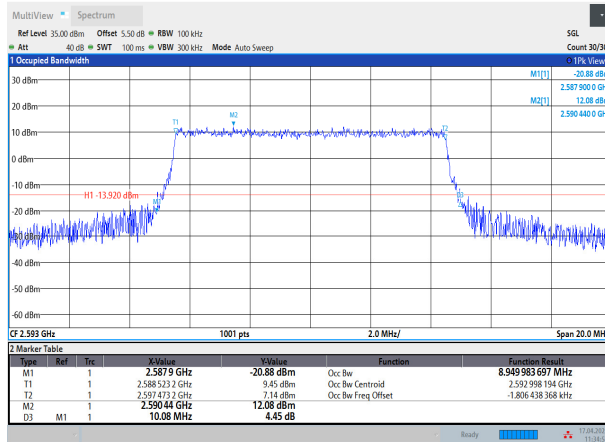
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Band41-10MHz-QPSK-39700-50RB#0



11:34:36 17.04.2022

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



11:34:54 17.04.2022

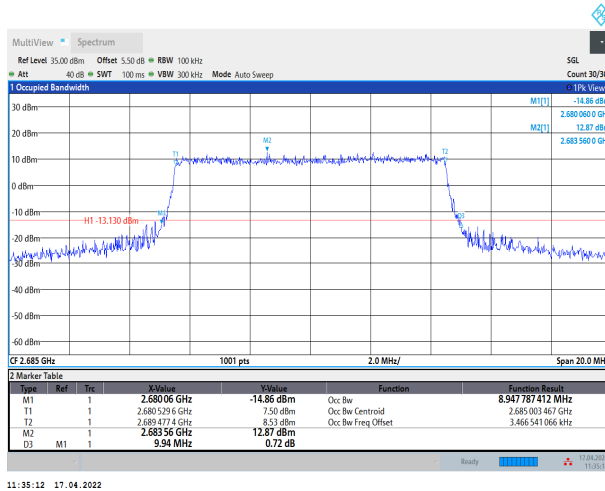


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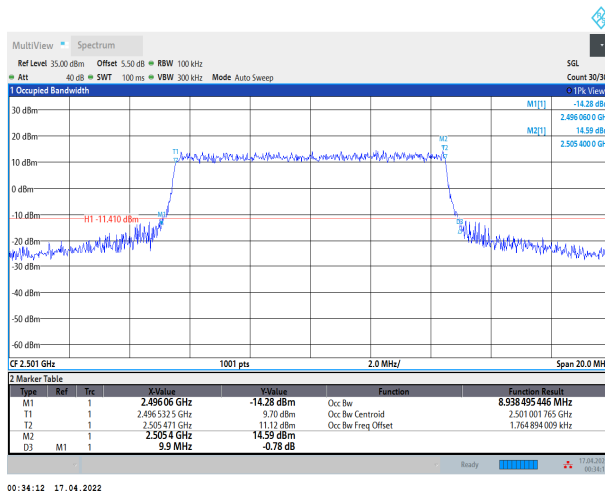
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Band41-10MHz-QPSK-41540-50RB#0



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

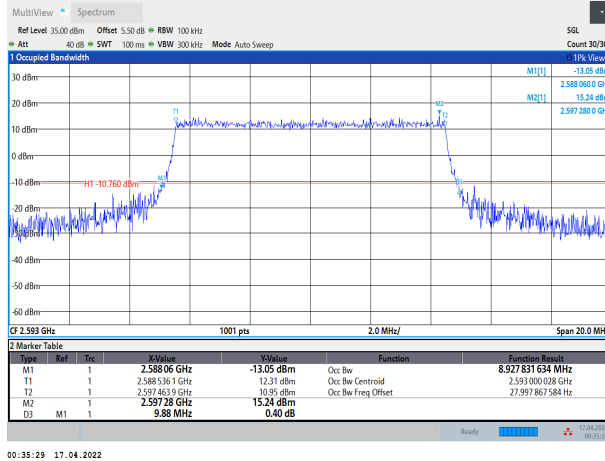


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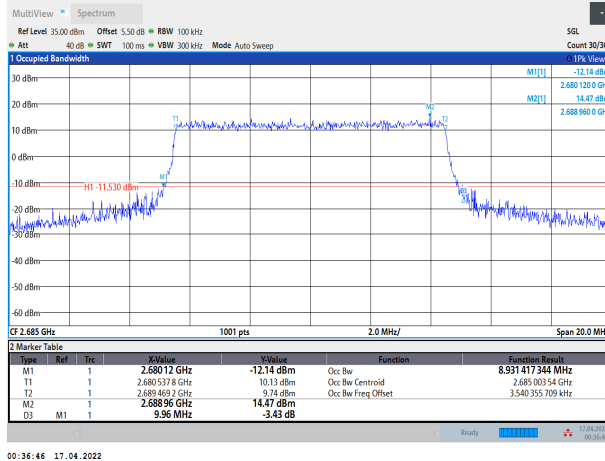
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Band41-10MHz-16QAM-40620-50RB#0



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

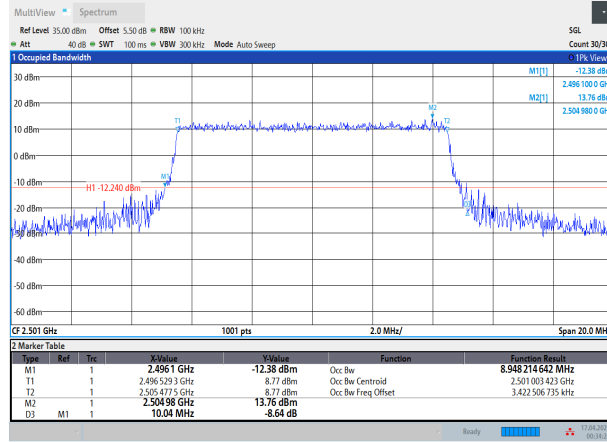


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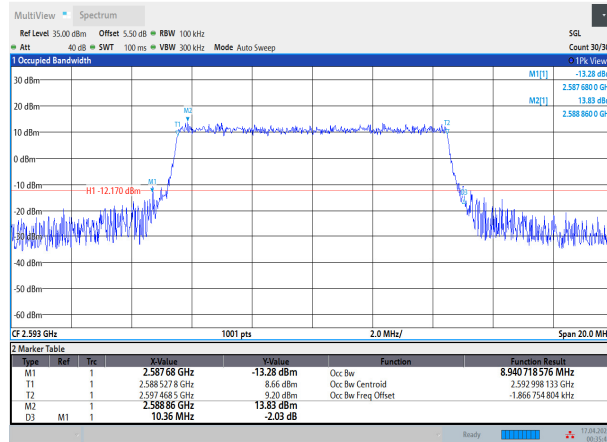
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Band41-10MHz-64QAM-39700-50RB#0



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



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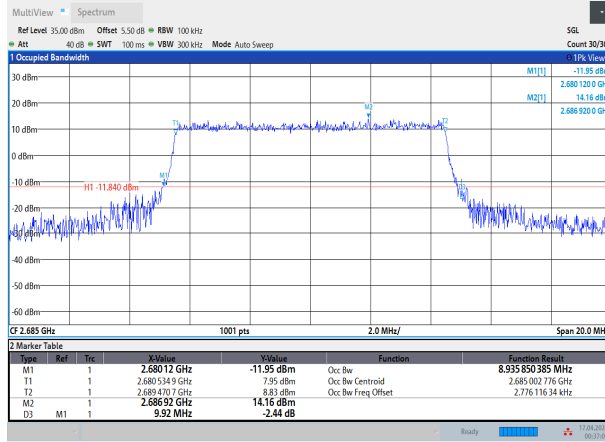


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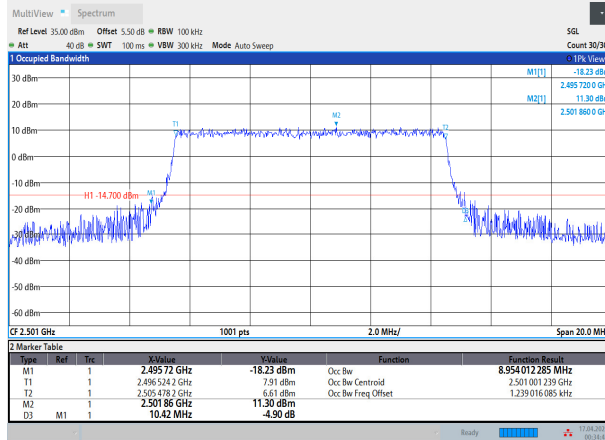
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00:37:04 17.04.2022

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



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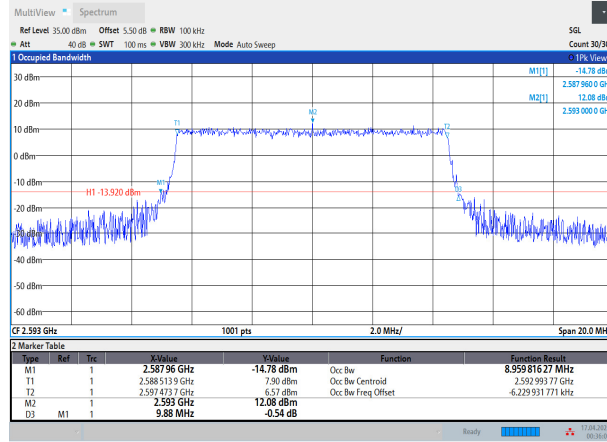


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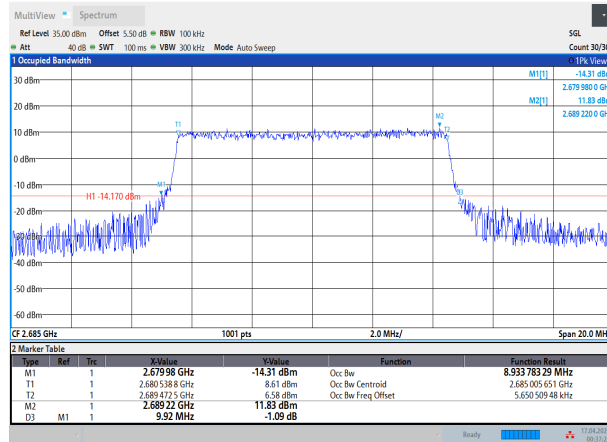
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Band41-10MHz-256QAM-41540-50RB#0



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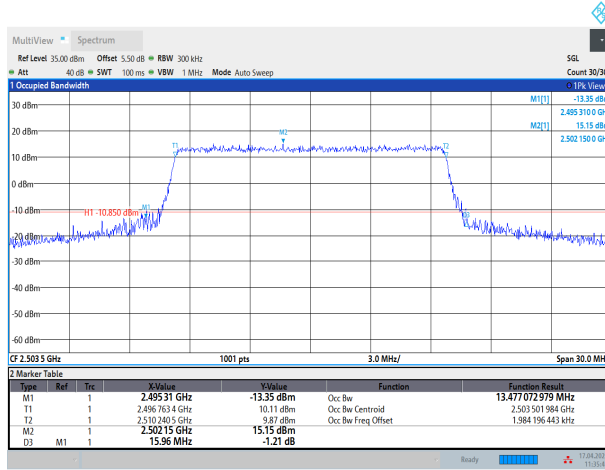


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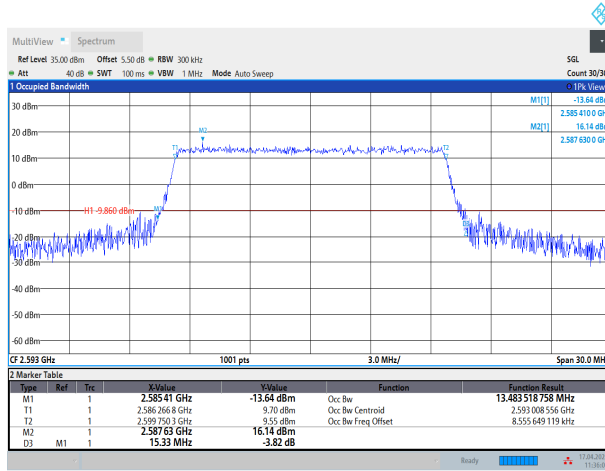
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Band41-15MHz-QPSK-39725-75RB#0



11:35:47 17.04.2022

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



11:36:06 17.04.2022

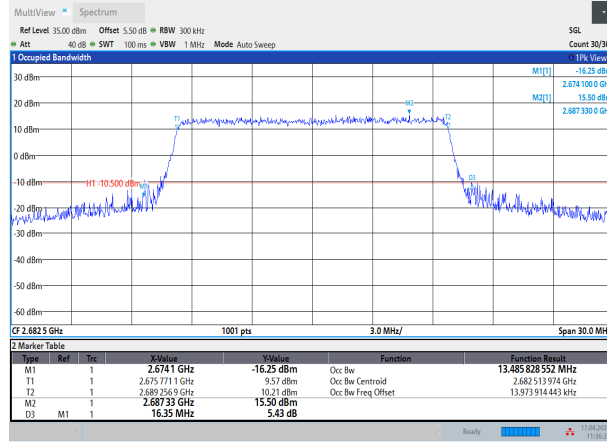


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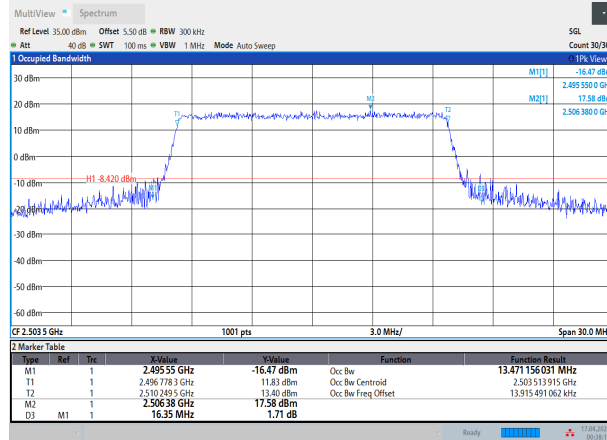
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Band41-15MHz-QPSK-41515-75RB#0



11:36:24 17.04.2022

Band41-15MHz-16QAM-39725-75RB#0



00:38:13 17.04.2022

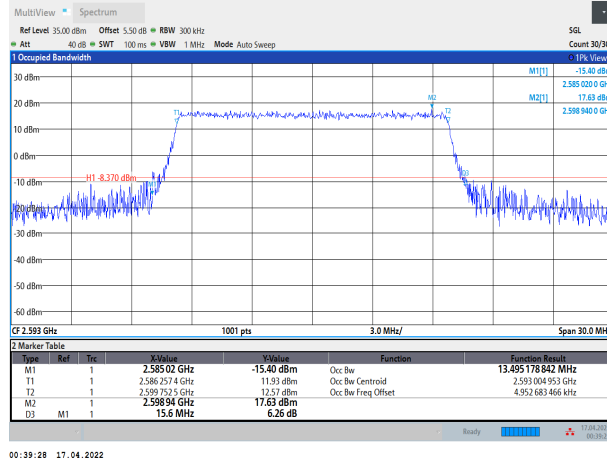


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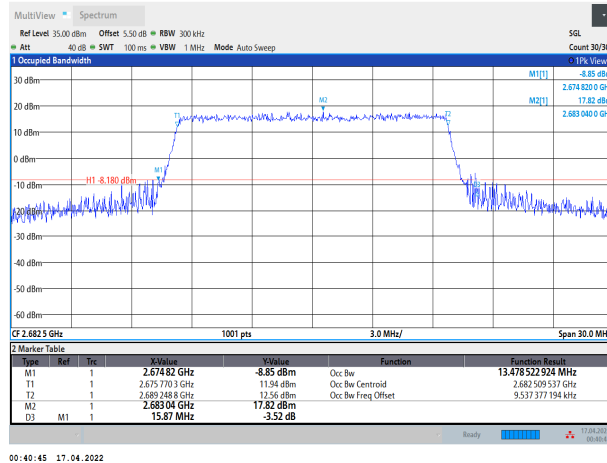
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Band41-15MHz-16QAM-40620-75RB#0



Band41-15MHz-16QAM-41515-75RB#0

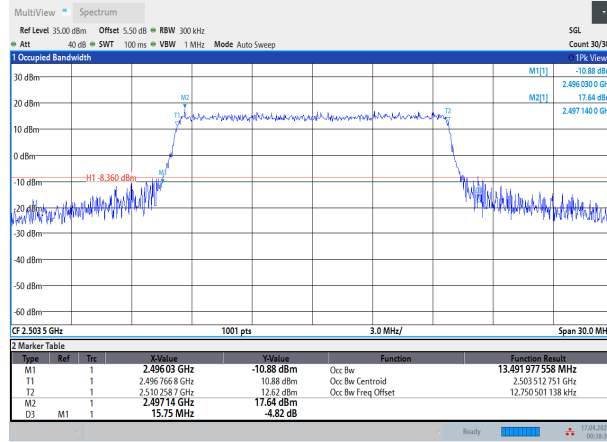


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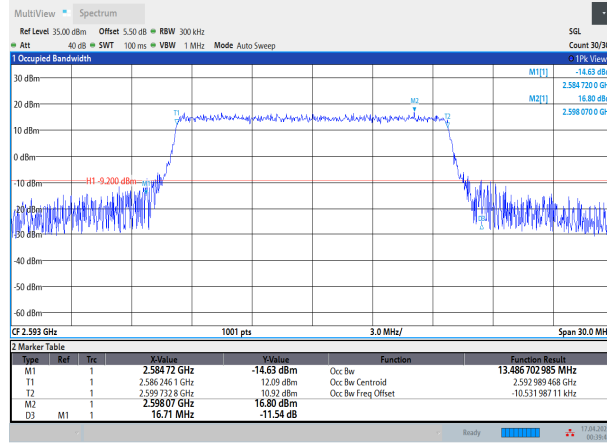
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Band41-15MHz-64QAM-39725-75RB#0



00:38:31 17.04.2022

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



00:39:46 17.04.2022

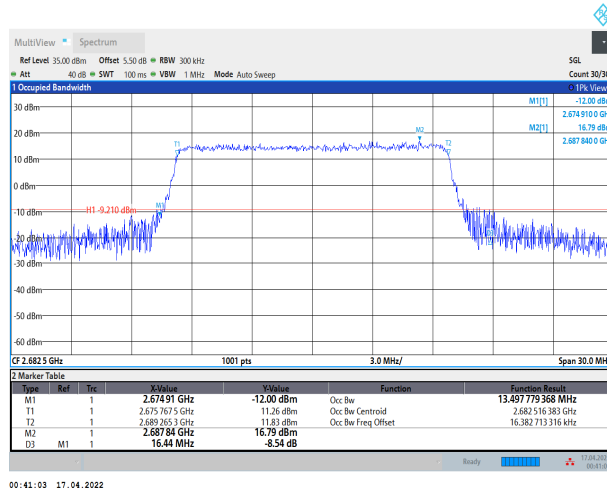


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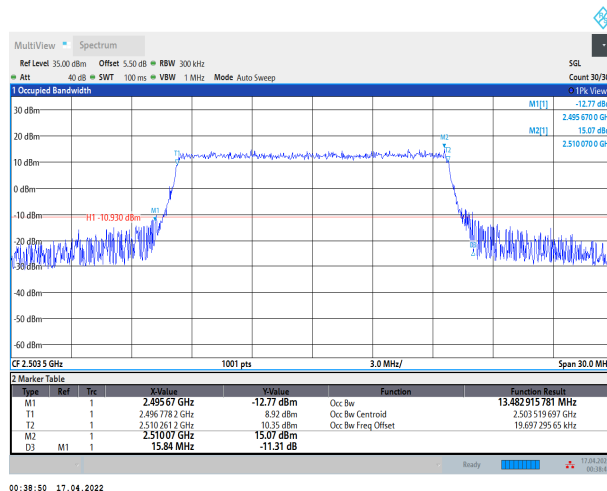
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Band41-15MHz-64QAM-41515-75RB#0



00:41:03 17.04.2022

Band41-15MHz-256QAM-39725-75RB#0



00:38:50 17.04.2022

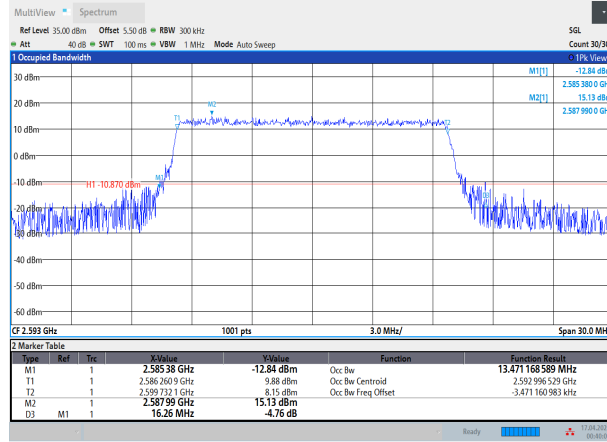


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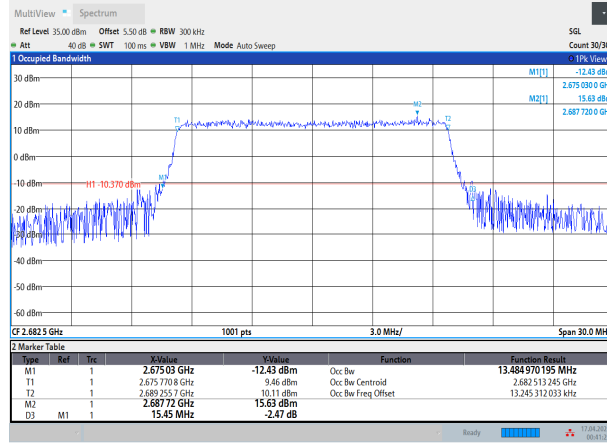
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Band41-15MHz-256QAM-40620-75RB#0



00:40:04 17.04.2022

Band41-15MHz-256QAM-41515-75RB#0



00:41:21 17.04.2022

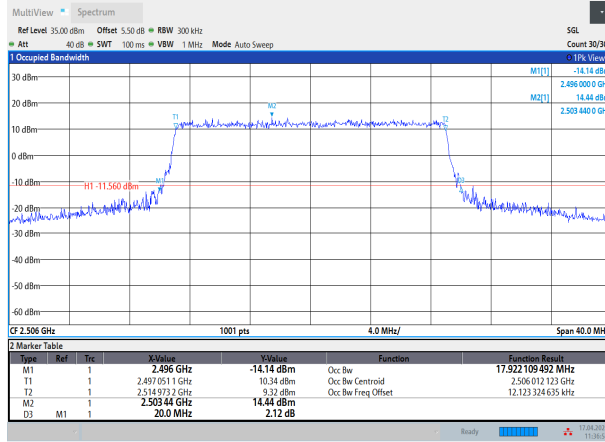


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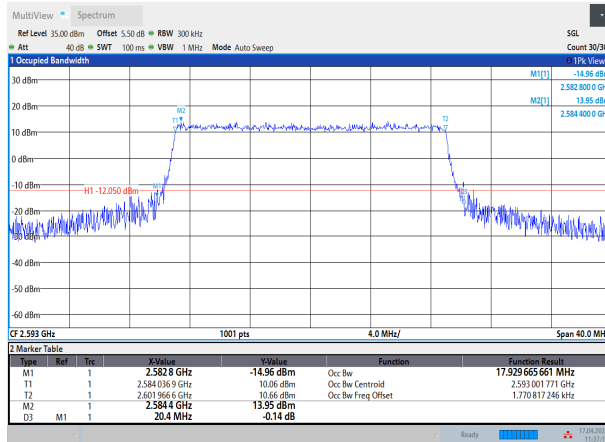
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Band41-20MHz-QPSK-39750-100RB#0



11:36:59 17.04.2022

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



11:37:18 17.04.2022

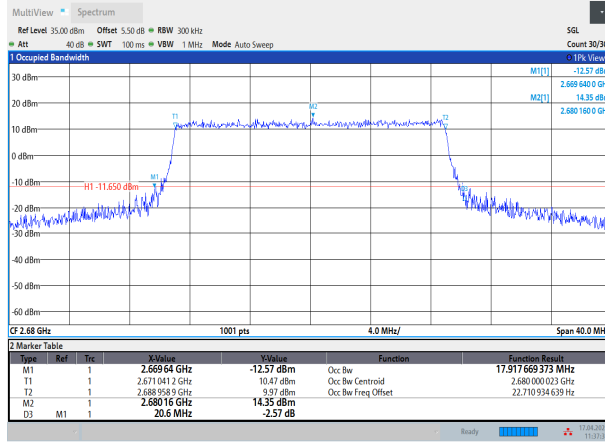


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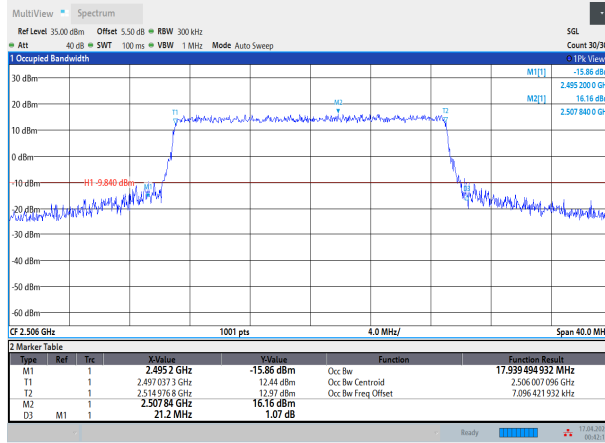
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Band41-20MHz-QPSK-41490-100RB#0



11:37:36 17.04.2022

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



00:42:13 17.04.2022

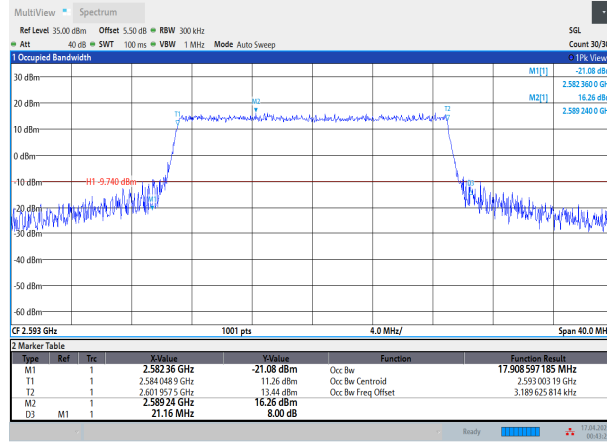


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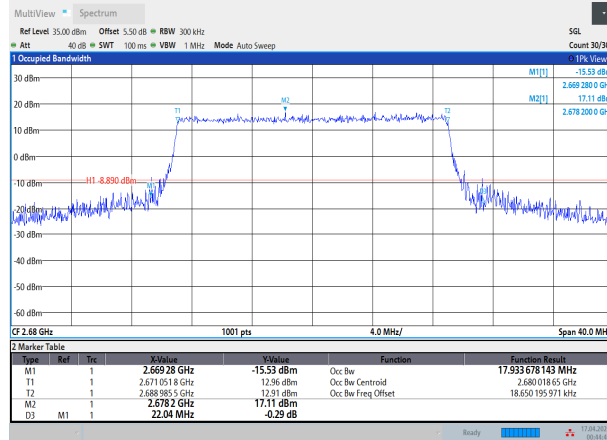
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Band41-20MHz-16QAM-40620-100RB#0



00:43:30 17.04.2022

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



00:44:47 17.04.2022

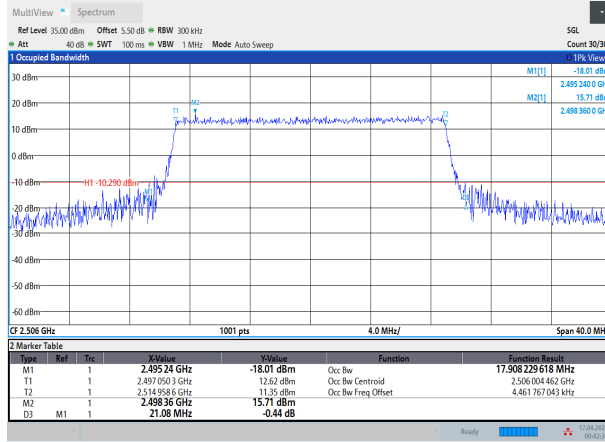


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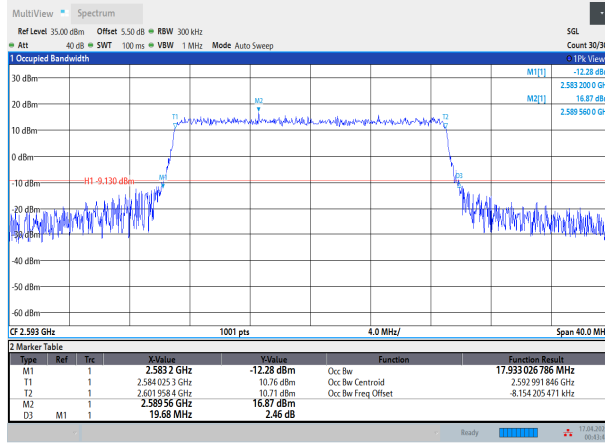
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Band41-20MHz-64QAM-39750-100RB#0



00:42:31 17.04.2022

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



00:43:48 17.04.2022

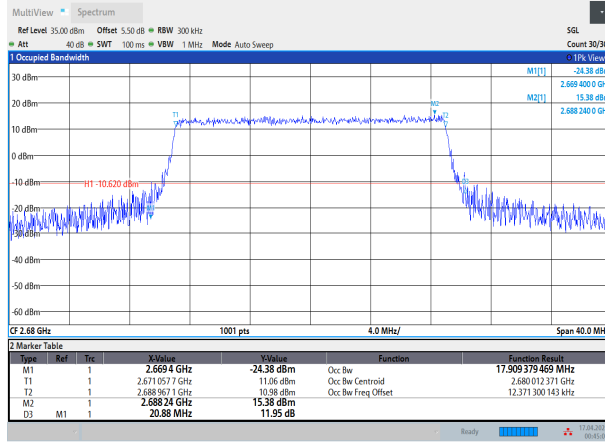


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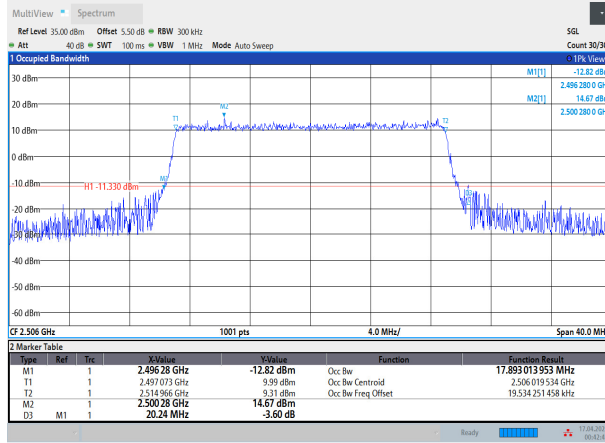
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Band41-20MHz-64QAM-41490-100RB#0



00:45:05 17.04.2022

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



00:42:49 17.04.2022

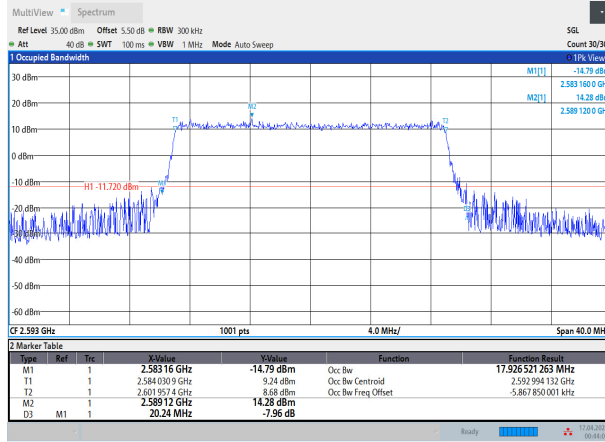


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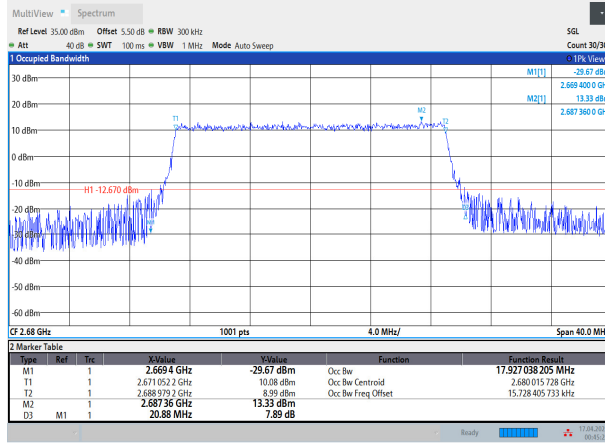
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Band41-20MHz-256QAM-41490-100RB#0



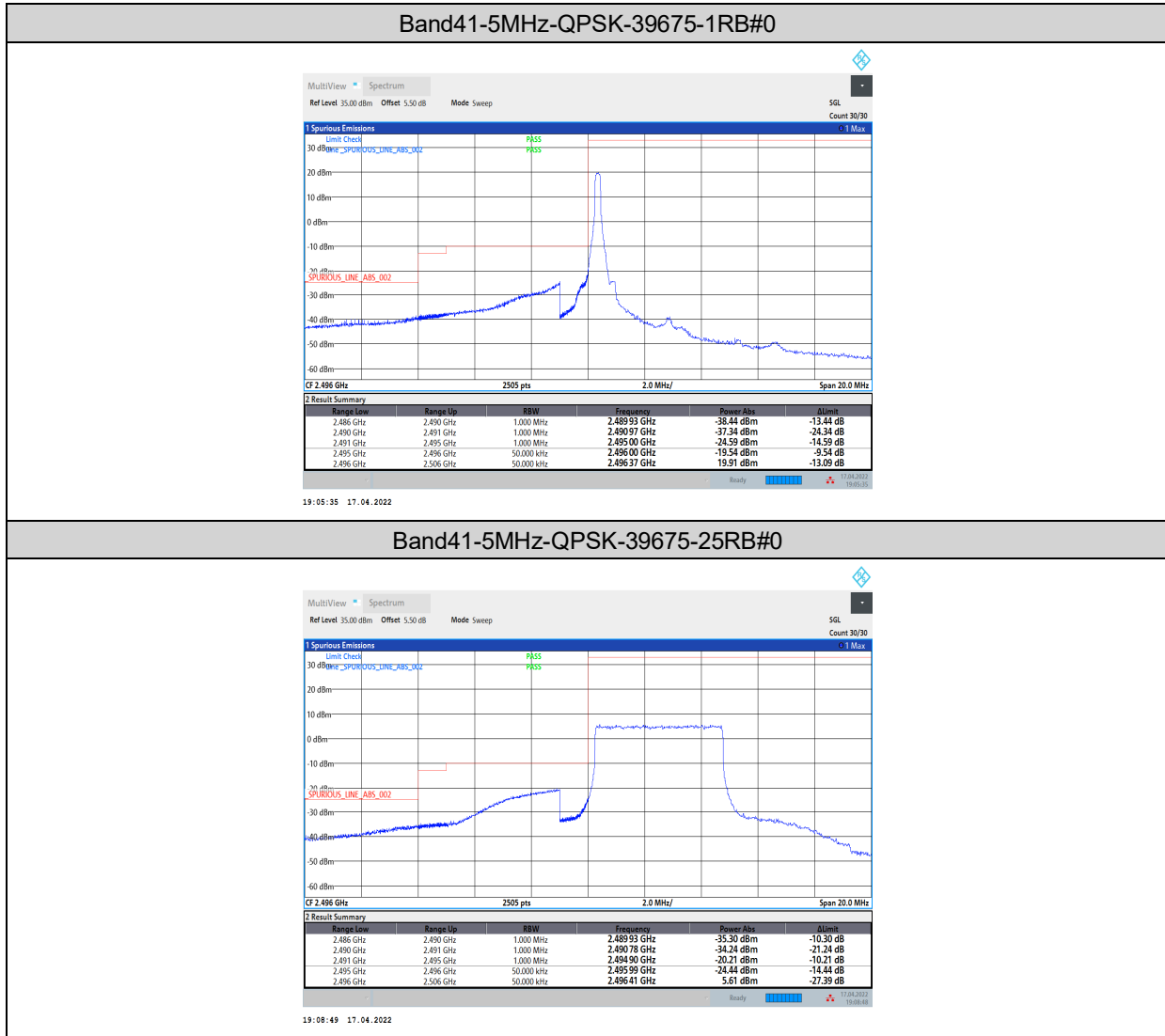
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Band Edge

Test Graphs

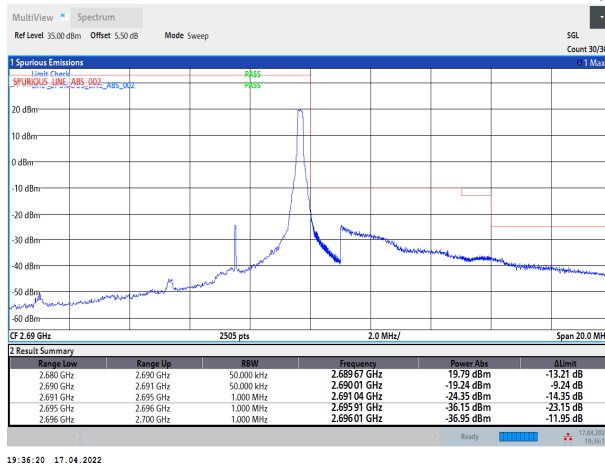


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Band41-5MHz-QPSK-41565-1RB#24



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

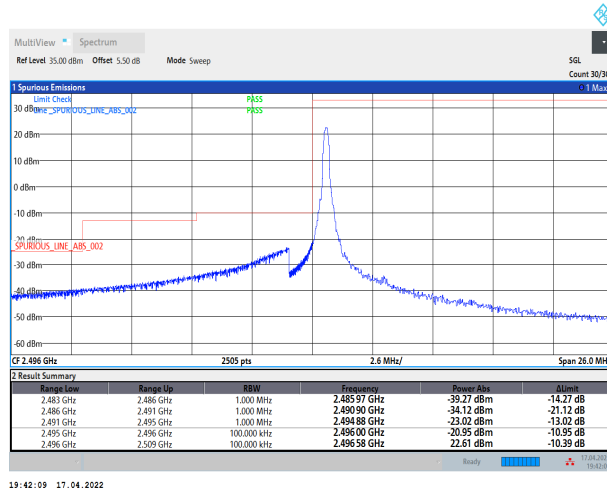


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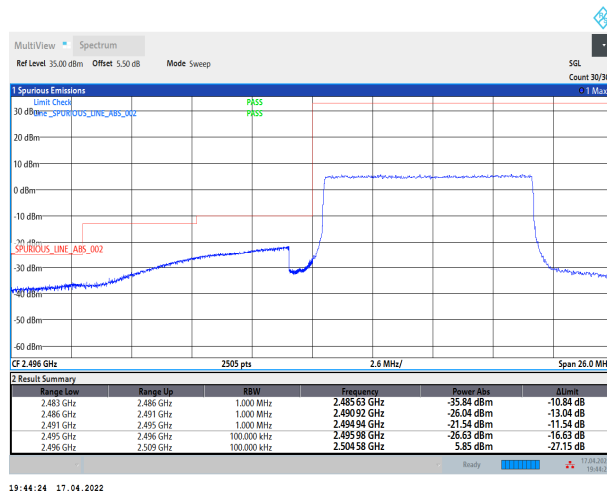
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Band41-10MHz-QPSK-39700-1RB#0



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

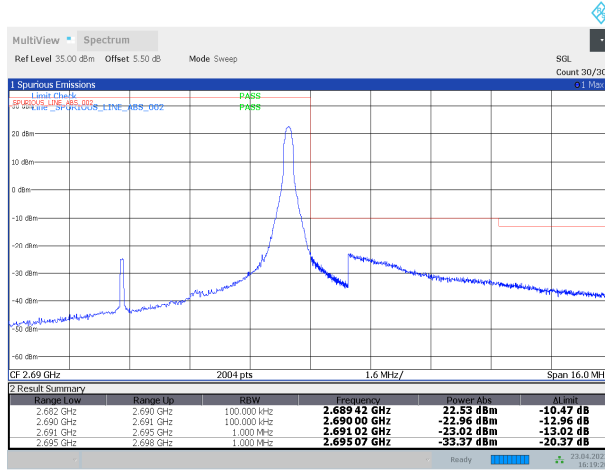


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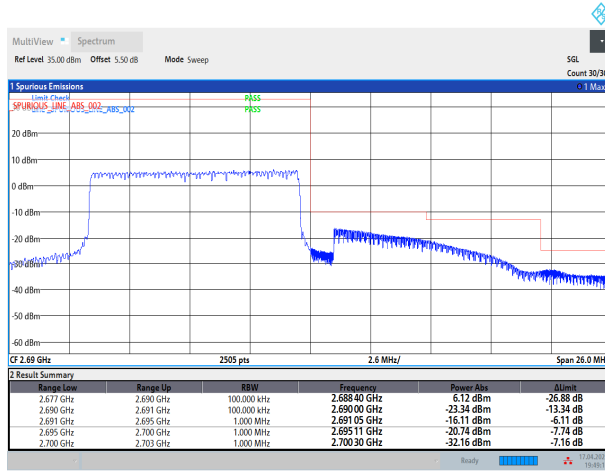
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Band41-10MHz-QPSK-41540-1RB#49



16:19:21 23.04.2022

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



19:49:16 17.04.2022

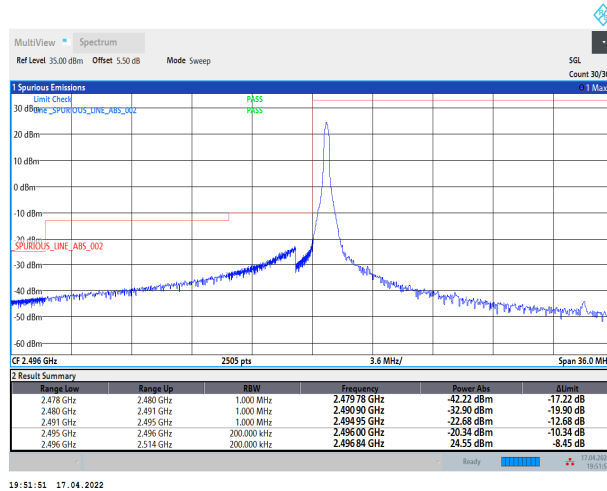


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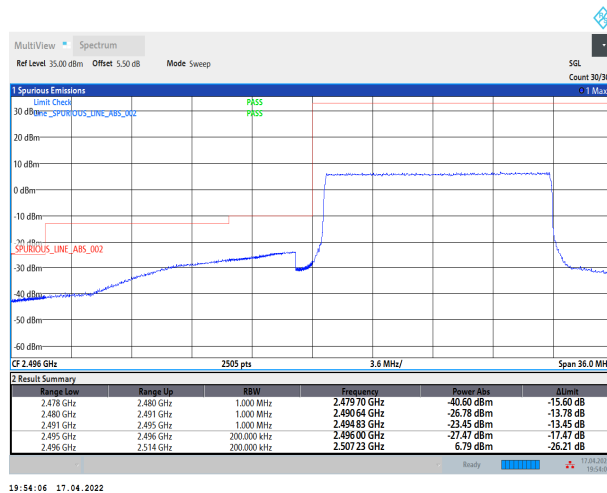
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Band41-15MHz-QPSK-39725-1RB#0



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

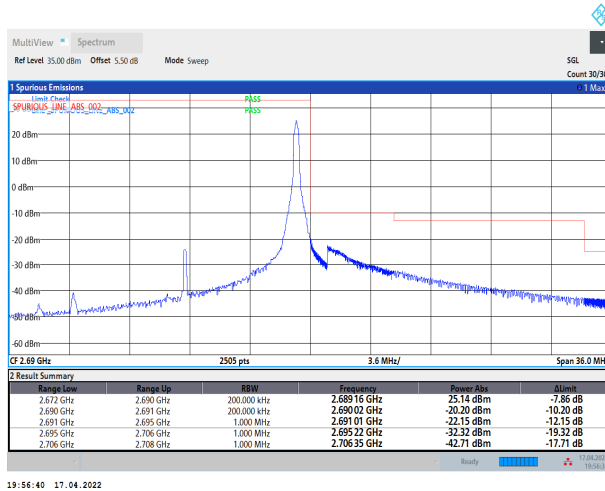


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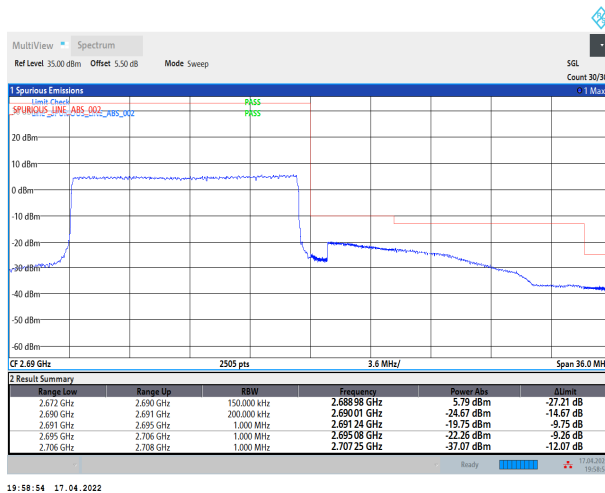
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Band41-15MHz-QPSK-41515-1RB#74



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

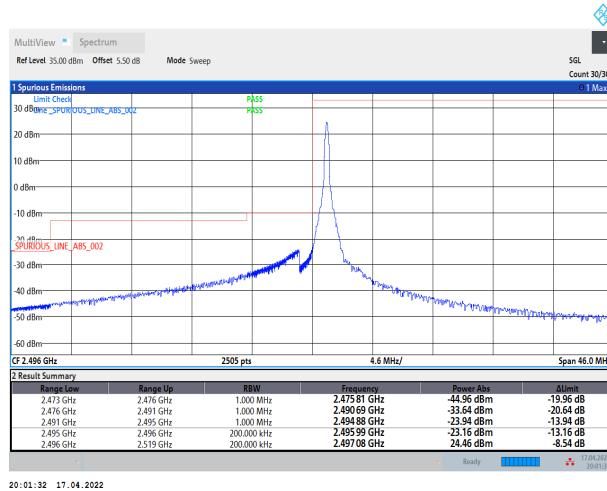


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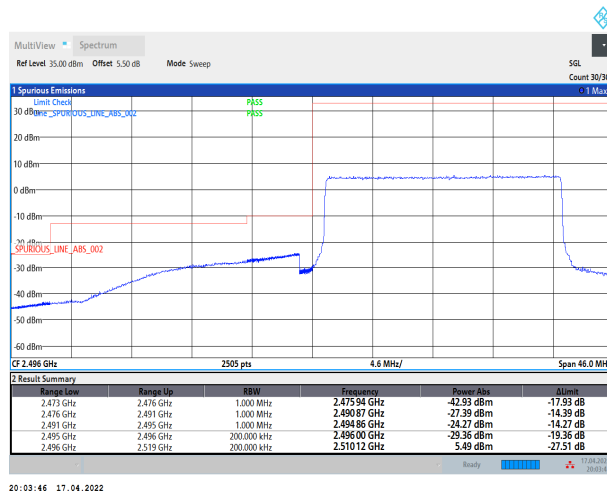
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Band41-20MHz-QPSK-39750-1RB#0



20:01:12 17.04.2022

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



20:03:46 17.04.2022

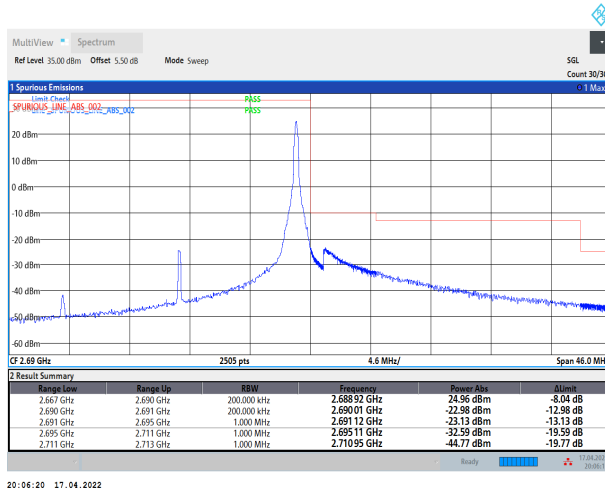


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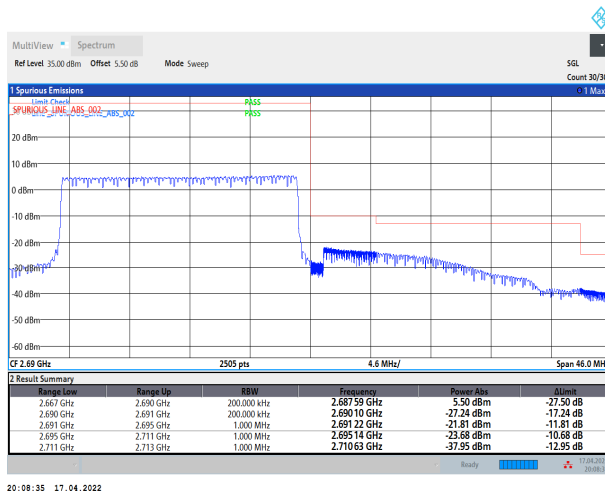
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Band41-20MHz-QPSK-41490-1RB#99



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



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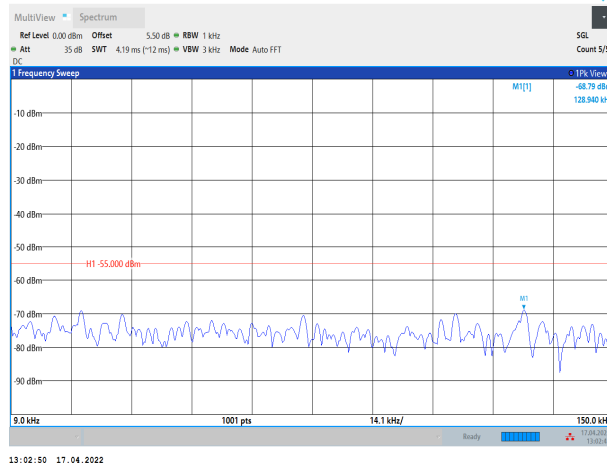
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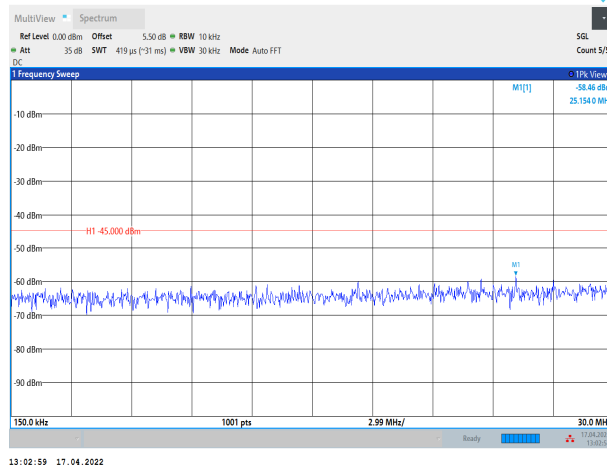
Conducted Spurious Emission

Test Graphs

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



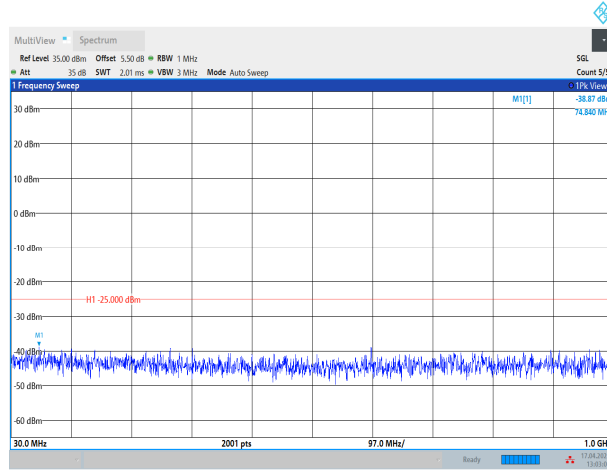
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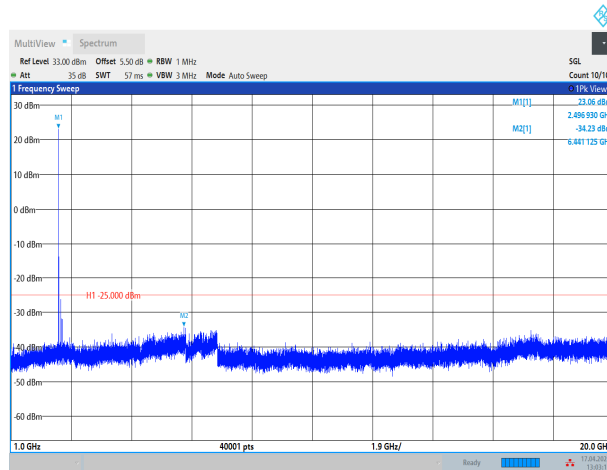
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Band41-20MHz-QPSK-39750-1RB#0-Range3:30~1000MHz



13:03:07 17.04.2022

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



13:03:16 17.04.2022

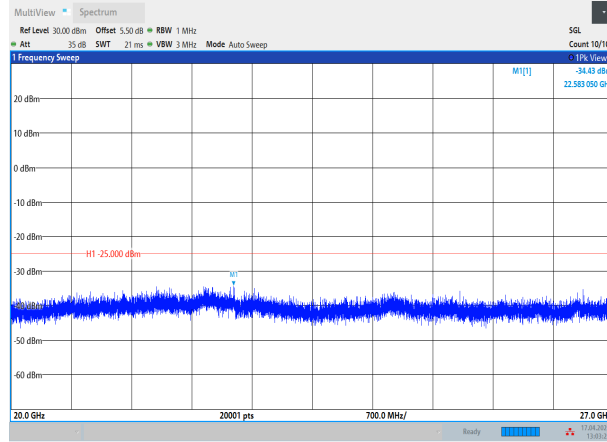


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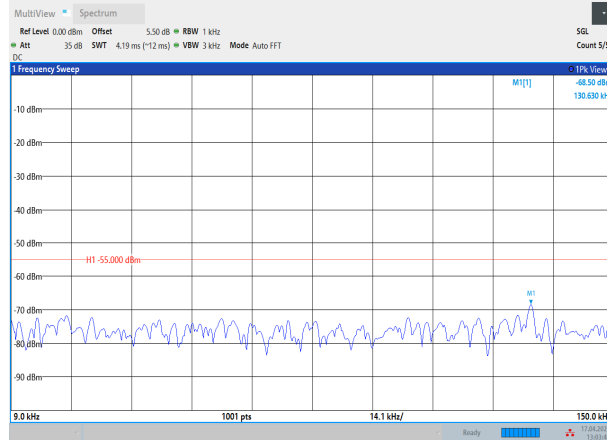
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Band41-20MHz-QPSK-39750-1RB#0-Range5:20000~27000MHz



13:03:25 17.04.2022

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



13:03:44 17.04.2022



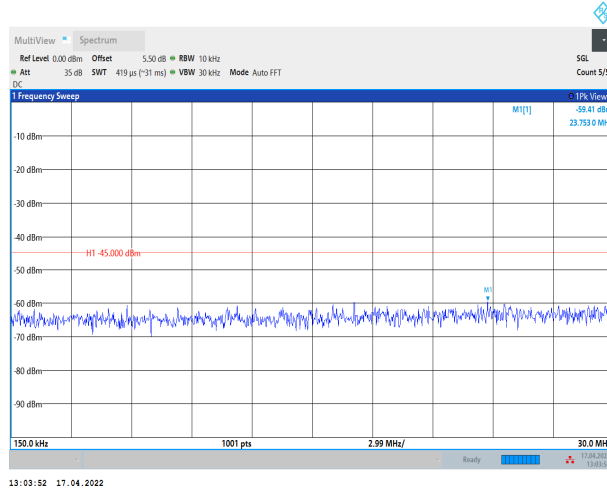
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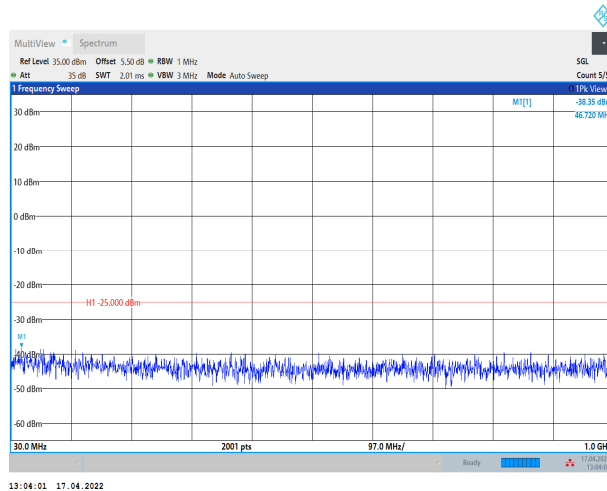
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Band41-20MHz-QPSK-40620-1RB#0-Range2:0.15~30MHz

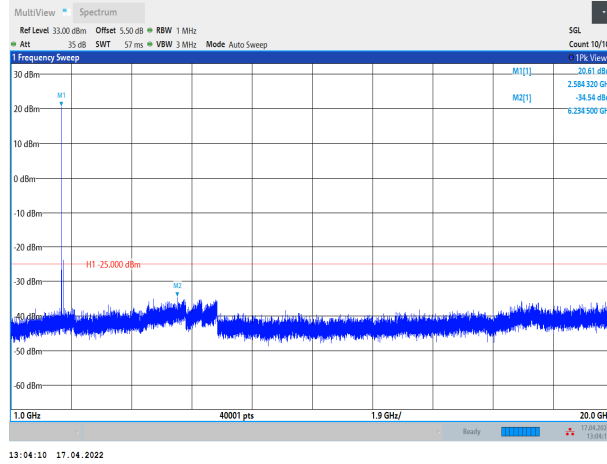


Band41-20MHz-QPSK-40620-1RB#0-Range3:30~1000MHz

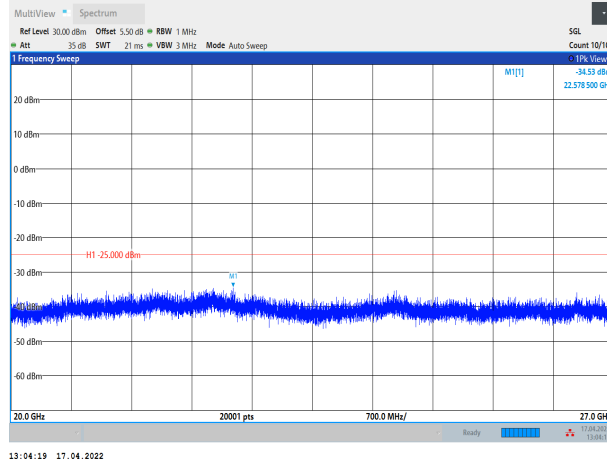


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Band41-20MHz-QPSK-40620-1RB#0-Range4:1000~20000MHz



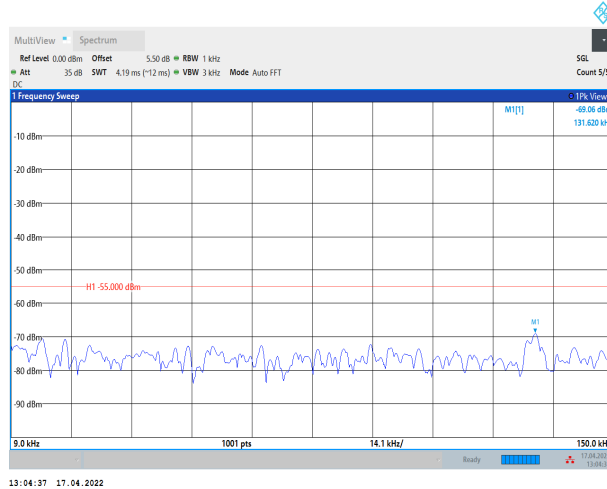
Band41-20MHz-QPSK-40620-1RB#0-Range5:20000~27000MHz



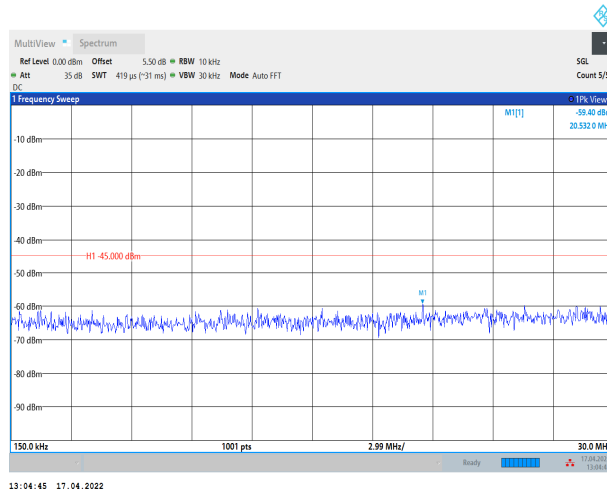
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Band41-20MHz-QPSK-41490-1RB#0-Range1:0.009~0.15MHz



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

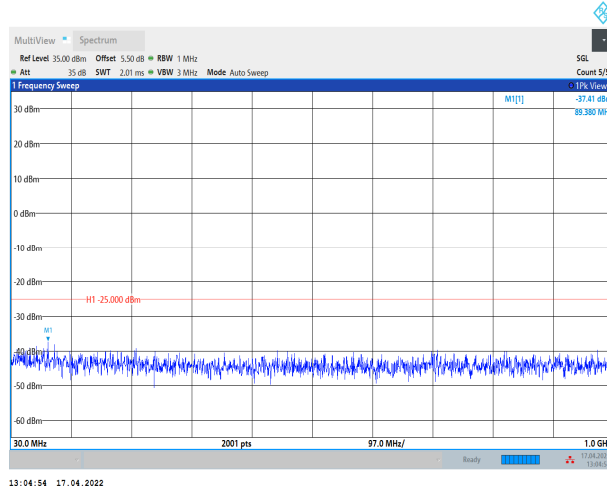


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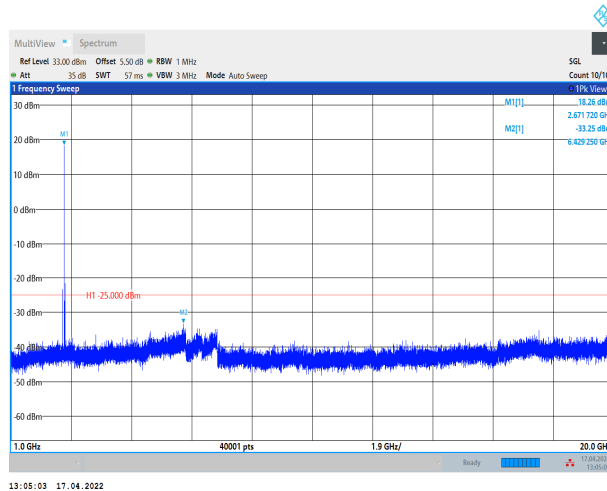
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Band41-20MHz-QPSK-41490-1RB#0-Range3:30~1000MHz



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

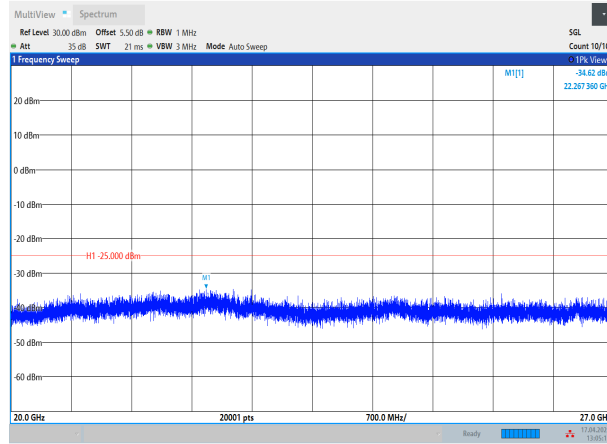


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Band41-20MHz-QPSK-41490-1RB#0-Range5:20000~27000MHz



13:05:12 17.04.2022



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Field Strength of Spurious Radiation

Test Band = LTE Band 41_ TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4994.1800	41.87	-45.63	31.39	-67.64	-25.00	42.64	Horizontal
2	7491.2700	38.36	-43.16	36.58	-63.49	-25.00	38.49	Horizontal
3	9988.3600	32.19	-39.25	38.18	-64.14	-25.00	39.14	Horizontal
4	12485.4500	26.34	-37.04	38.95	-67.01	-25.00	42.01	Horizontal
5	14982.5400	24.27	-34.64	41.29	-64.34	-25.00	39.34	Horizontal
6	17479.6300	25.95	-35.10	44.46	-59.95	-25.00	34.95	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4994.1800	41.39	-45.63	31.39	-68.12	-25.00	43.12	Vertical
2	7491.2700	37.75	-43.16	36.58	-64.10	-25.00	39.10	Vertical
3	9988.3600	31.14	-39.25	38.18	-65.19	-25.00	40.19	Vertical
4	12485.4500	26.41	-37.04	38.95	-66.94	-25.00	41.94	Vertical
5	14982.5400	23.54	-34.64	41.29	-65.07	-25.00	40.07	Vertical
6	17479.6300	26.50	-35.10	44.46	-59.40	-25.00	34.40	Vertical



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Test Band = LTE Band 41_ TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5168.1800	40.04	-45.31	31.80	-68.72	-25.00	43.72	Horizontal
2	7752.2700	38.60	-42.69	36.70	-62.65	-25.00	37.65	Horizontal
3	10336.3600	31.76	-39.06	38.37	-64.19	-25.00	39.19	Horizontal
4	12920.4500	27.36	-37.16	39.08	-65.98	-25.00	40.98	Horizontal
5	15504.5400	23.86	-35.35	40.24	-66.51	-25.00	41.51	Horizontal
6	17575	28.31	-33.70	44.89	-55.76	-25.00	30.76	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5168.1800	41.94	-45.31	31.80	-66.82	-25.00	41.82	Vertical
2	7752.2700	38.75	-42.69	36.70	-62.50	-25.00	37.50	Vertical
3	10336.3600	30.98	-39.06	38.37	-64.97	-25.00	39.97	Vertical
4	12920.4500	26.48	-37.16	39.08	-66.86	-25.00	41.86	Vertical
5	15504.5400	24.55	-35.35	40.24	-65.82	-25.00	40.82	Vertical
6	17915.5	30.10	-34.52	46.42	-53.26	-25.00	28.26	Vertical



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Test Band = LTE Band 41_ TM1

Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5342.1800	39.88	-45.18	32.22	-68.34	-25.00	43.34	Horizontal
2	8013.2700	36.90	-42.22	36.79	-63.78	-25.00	38.78	Horizontal
3	10684.3600	30.83	-37.97	38.54	-63.86	-25.00	38.86	Horizontal
4	13355.4500	26.36	-36.56	39.74	-65.72	-25.00	40.72	Horizontal
5	16026.5400	25.84	-34.85	39.28	-64.99	-25.00	39.99	Horizontal
6	17619.5	28.37	-33.39	45.09	-55.19	-25.00	30.19	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5342.1800	40.30	-45.18	32.22	-67.92	-25.00	42.92	Vertical
2	8013.2700	37.19	-42.22	36.79	-63.49	-25.00	38.49	Vertical
3	10684.3600	30.37	-37.97	38.54	-64.32	-25.00	39.32	Vertical
4	13355.4500	26.59	-36.56	39.74	-65.49	-25.00	40.49	Vertical
5	16026.5400	25.67	-34.85	39.28	-65.16	-25.00	40.16	Vertical
6	17579.5	28.20	-33.61	44.91	-55.77	-25.00	30.77	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



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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	0.60	0.000231	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-1.60	-0.000617	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	-2.70	-0.001041	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-1.40	-0.000540	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-0.30	-0.000116	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	-0.20	-0.000077	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-2.60	-0.001003	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-0.20	-0.000077	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	-0.40	-0.000154	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	-0.50	-0.000193	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-2.20	-0.000848	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	-1.30	-0.000501	PASS

---End of Attachment---



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