

# Appendix B.13

## LTE Band 41



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## Effective (Isotropic) Radiated Power Output Data

### Test Result

Ant31

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	23.19	23.45	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#12	23.24	23.50	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#24	23.11	23.37	33.00	PASS
Band41	5MHz	QPSK	39675	25RB#0	22.22	22.48	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#0	23.36	23.62	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#12	23.42	23.68	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#24	23.30	23.56	33.00	PASS
Band41	5MHz	QPSK	40620	25RB#0	22.41	22.67	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#0	23.78	24.04	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#12	23.67	23.93	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#24	23.60	23.86	33.00	PASS
Band41	5MHz	QPSK	41565	25RB#0	22.70	22.96	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#0	22.25	22.51	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#12	22.26	22.52	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#24	22.20	22.46	33.00	PASS
Band41	5MHz	16QAM	39675	25RB#0	21.19	21.45	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#0	22.62	22.88	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#12	22.62	22.88	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#24	22.46	22.72	33.00	PASS
Band41	5MHz	16QAM	40620	25RB#0	21.40	21.66	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#0	22.75	23.01	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#12	22.81	23.07	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#24	22.78	23.04	33.00	PASS
Band41	5MHz	16QAM	41565	25RB#0	21.72	21.98	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#0	21.48	21.74	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#12	21.61	21.87	33.00	PASS



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Band41	5MHz	64QAM	39675	1RB#24	21.45	21.71	33.00	PASS
Band41	5MHz	64QAM	39675	25RB#0	20.20	20.46	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#0	21.69	21.95	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#12	21.85	22.11	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#24	21.70	21.96	33.00	PASS
Band41	5MHz	64QAM	40620	25RB#0	20.40	20.66	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#0	21.94	22.20	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#12	22.07	22.33	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#24	21.98	22.24	33.00	PASS
Band41	5MHz	64QAM	41565	25RB#0	20.70	20.96	33.00	PASS
Band41	5MHz	256QAM	39675	1RB#0	18.38	18.64	33.00	PASS
Band41	5MHz	256QAM	39675	1RB#12	18.38	18.64	33.00	PASS
Band41	5MHz	256QAM	39675	1RB#24	18.24	18.50	33.00	PASS
Band41	5MHz	256QAM	39675	25RB#0	18.22	18.48	33.00	PASS
Band41	5MHz	256QAM	40620	1RB#0	18.43	18.69	33.00	PASS
Band41	5MHz	256QAM	40620	1RB#12	18.58	18.84	33.00	PASS
Band41	5MHz	256QAM	40620	1RB#24	18.58	18.84	33.00	PASS
Band41	5MHz	256QAM	40620	25RB#0	18.37	18.63	33.00	PASS
Band41	5MHz	256QAM	41565	1RB#0	18.83	19.09	33.00	PASS
Band41	5MHz	256QAM	41565	1RB#12	18.88	19.14	33.00	PASS
Band41	5MHz	256QAM	41565	1RB#24	18.66	18.92	33.00	PASS
Band41	5MHz	256QAM	41565	25RB#0	18.66	18.92	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#0	23.17	23.43	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#24	23.15	23.41	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#49	23.07	23.33	33.00	PASS
Band41	10MHz	QPSK	39700	50RB#0	22.24	22.50	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#0	23.69	23.95	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#24	23.46	23.72	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#49	23.43	23.69	33.00	PASS
Band41	10MHz	QPSK	40620	50RB#0	22.44	22.70	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#0	23.82	24.08	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#24	23.71	23.97	33.00	PASS



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Band41	10MHz	QPSK	41540	1RB#49	23.65	23.91	33.00	PASS
Band41	10MHz	QPSK	41540	50RB#0	22.63	22.89	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#0	22.26	22.52	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#24	22.21	22.47	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#49	22.20	22.46	33.00	PASS
Band41	10MHz	16QAM	39700	50RB#0	21.23	21.49	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#0	22.75	23.01	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#24	22.51	22.77	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#49	22.50	22.76	33.00	PASS
Band41	10MHz	16QAM	40620	50RB#0	21.44	21.70	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#0	22.95	23.21	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#24	22.90	23.16	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#49	22.75	23.01	33.00	PASS
Band41	10MHz	16QAM	41540	50RB#0	21.63	21.89	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#0	21.47	21.73	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#24	21.44	21.70	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#49	21.47	21.73	33.00	PASS
Band41	10MHz	64QAM	39700	50RB#0	20.27	20.53	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#0	21.77	22.03	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#24	21.89	22.15	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#49	21.81	22.07	33.00	PASS
Band41	10MHz	64QAM	40620	50RB#0	20.42	20.68	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#0	22.03	22.29	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#24	22.17	22.43	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#49	21.95	22.21	33.00	PASS
Band41	10MHz	64QAM	41540	50RB#0	20.66	20.92	33.00	PASS
Band41	10MHz	256QAM	39700	1RB#0	18.34	18.60	33.00	PASS
Band41	10MHz	256QAM	39700	1RB#24	18.23	18.49	33.00	PASS
Band41	10MHz	256QAM	39700	1RB#49	18.14	18.40	33.00	PASS
Band41	10MHz	256QAM	39700	50RB#0	18.21	18.47	33.00	PASS
Band41	10MHz	256QAM	40620	1RB#0	18.48	18.74	33.00	PASS
Band41	10MHz	256QAM	40620	1RB#24	18.65	18.91	33.00	PASS



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Band41	10MHz	256QAM	40620	1RB#49	18.57	18.83	33.00	PASS
Band41	10MHz	256QAM	40620	50RB#0	18.42	18.68	33.00	PASS
Band41	10MHz	256QAM	41540	1RB#0	18.69	18.95	33.00	PASS
Band41	10MHz	256QAM	41540	1RB#24	18.85	19.11	33.00	PASS
Band41	10MHz	256QAM	41540	1RB#49	18.81	19.07	33.00	PASS
Band41	10MHz	256QAM	41540	50RB#0	18.68	18.94	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#0	22.91	23.17	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#38	22.96	23.22	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#74	22.93	23.19	33.00	PASS
Band41	15MHz	QPSK	39725	75RB#0	21.60	21.86	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#0	23.39	23.65	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#38	23.27	23.53	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#74	23.37	23.63	33.00	PASS
Band41	15MHz	QPSK	40620	75RB#0	21.81	22.07	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#0	23.59	23.85	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#38	23.52	23.78	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#74	23.52	23.78	33.00	PASS
Band41	15MHz	QPSK	41515	75RB#0	22.00	22.26	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#0	22.22	22.48	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#38	22.13	22.39	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#74	22.02	22.28	33.00	PASS
Band41	15MHz	16QAM	39725	75RB#0	21.08	21.34	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#0	22.41	22.67	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#38	22.37	22.63	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#74	22.44	22.70	33.00	PASS
Band41	15MHz	16QAM	40620	75RB#0	21.33	21.59	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#0	22.63	22.89	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#38	22.69	22.95	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#74	22.67	22.93	33.00	PASS
Band41	15MHz	16QAM	41515	75RB#0	21.52	21.78	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#0	21.35	21.61	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#38	21.37	21.63	33.00	PASS



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Band41	15MHz	64QAM	39725	1RB#74	21.26	21.52	33.00	PASS
Band41	15MHz	64QAM	39725	75RB#0	20.10	20.36	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#0	21.51	21.77	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#38	21.62	21.88	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#74	21.65	21.91	33.00	PASS
Band41	15MHz	64QAM	40620	75RB#0	20.34	20.60	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#0	21.67	21.93	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#38	21.71	21.97	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#74	21.92	22.18	33.00	PASS
Band41	15MHz	64QAM	41515	75RB#0	20.51	20.77	33.00	PASS
Band41	15MHz	256QAM	39725	1RB#0	18.03	18.29	33.00	PASS
Band41	15MHz	256QAM	39725	1RB#38	18.17	18.43	33.00	PASS
Band41	15MHz	256QAM	39725	1RB#74	18.21	18.47	33.00	PASS
Band41	15MHz	256QAM	39725	75RB#0	18.09	18.35	33.00	PASS
Band41	15MHz	256QAM	40620	1RB#0	18.37	18.63	33.00	PASS
Band41	15MHz	256QAM	40620	1RB#38	18.51	18.77	33.00	PASS
Band41	15MHz	256QAM	40620	1RB#74	18.63	18.89	33.00	PASS
Band41	15MHz	256QAM	40620	75RB#0	18.27	18.53	33.00	PASS
Band41	15MHz	256QAM	41515	1RB#0	18.51	18.77	33.00	PASS
Band41	15MHz	256QAM	41515	1RB#38	18.66	18.92	33.00	PASS
Band41	15MHz	256QAM	41515	1RB#74	18.69	18.95	33.00	PASS
Band41	15MHz	256QAM	41515	75RB#0	18.51	18.77	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#0	22.94	23.20	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#49	22.96	23.22	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#99	23.05	23.31	33.00	PASS
Band41	20MHz	QPSK	39750	100RB#0	22.08	22.34	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#0	23.41	23.67	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#49	23.39	23.65	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#99	23.31	23.57	33.00	PASS
Band41	20MHz	QPSK	40620	100RB#0	22.32	22.58	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#0	23.66	23.92	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#49	23.54	23.80	33.00	PASS



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Report No.: SEWM2311000447RG01

Rev.: 01

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Band41	20MHz	QPSK	41490	1RB#99	23.51	23.77	33.00	PASS
Band41	20MHz	QPSK	41490	100RB#0	22.42	22.68	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#0	22.07	22.33	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#49	22.15	22.41	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#99	22.04	22.30	33.00	PASS
Band41	20MHz	16QAM	39750	100RB#0	21.03	21.29	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#0	22.44	22.70	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#49	22.58	22.84	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#99	22.45	22.71	33.00	PASS
Band41	20MHz	16QAM	40620	100RB#0	21.31	21.57	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#0	22.51	22.77	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#49	22.75	23.01	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#99	22.69	22.95	33.00	PASS
Band41	20MHz	16QAM	41490	100RB#0	21.45	21.71	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#0	21.32	21.58	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#49	21.30	21.56	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#99	21.29	21.55	33.00	PASS
Band41	20MHz	64QAM	39750	100RB#0	20.09	20.35	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#0	21.69	21.95	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#49	21.65	21.91	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#99	21.56	21.82	33.00	PASS
Band41	20MHz	64QAM	40620	100RB#0	20.31	20.57	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#0	21.59	21.85	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#49	21.71	21.97	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#99	21.79	22.05	33.00	PASS
Band41	20MHz	64QAM	41490	100RB#0	20.47	20.73	33.00	PASS
Band41	20MHz	256QAM	39750	1RB#0	18.12	18.38	33.00	PASS
Band41	20MHz	256QAM	39750	1RB#49	18.15	18.41	33.00	PASS
Band41	20MHz	256QAM	39750	1RB#99	18.24	18.50	33.00	PASS
Band41	20MHz	256QAM	39750	100RB#0	18.13	18.39	33.00	PASS
Band41	20MHz	256QAM	40620	1RB#0	18.39	18.65	33.00	PASS
Band41	20MHz	256QAM	40620	1RB#49	18.49	18.75	33.00	PASS



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Band41	20MHz	256QAM	40620	1RB#99	18.41	18.67	33.00	PASS
Band41	20MHz	256QAM	40620	100RB#0	18.31	18.57	33.00	PASS
Band41	20MHz	256QAM	41490	1RB#0	18.40	18.66	33.00	PASS
Band41	20MHz	256QAM	41490	1RB#49	18.65	18.91	33.00	PASS
Band41	20MHz	256QAM	41490	1RB#99	18.67	18.93	33.00	PASS
Band41	20MHz	256QAM	41490	100RB#0	18.48	18.74	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	9.14	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	9.46	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	9.36	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.68	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.40	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.62	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	10.28	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	9.86	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	10.00	13	PASS
Band41	20MHz	256QAM	39750	100RB#0	10.42	13	PASS
Band41	20MHz	256QAM	40620	100RB#0	10.32	13	PASS
Band41	20MHz	256QAM	41490	100RB#0	10.14	13	PASS



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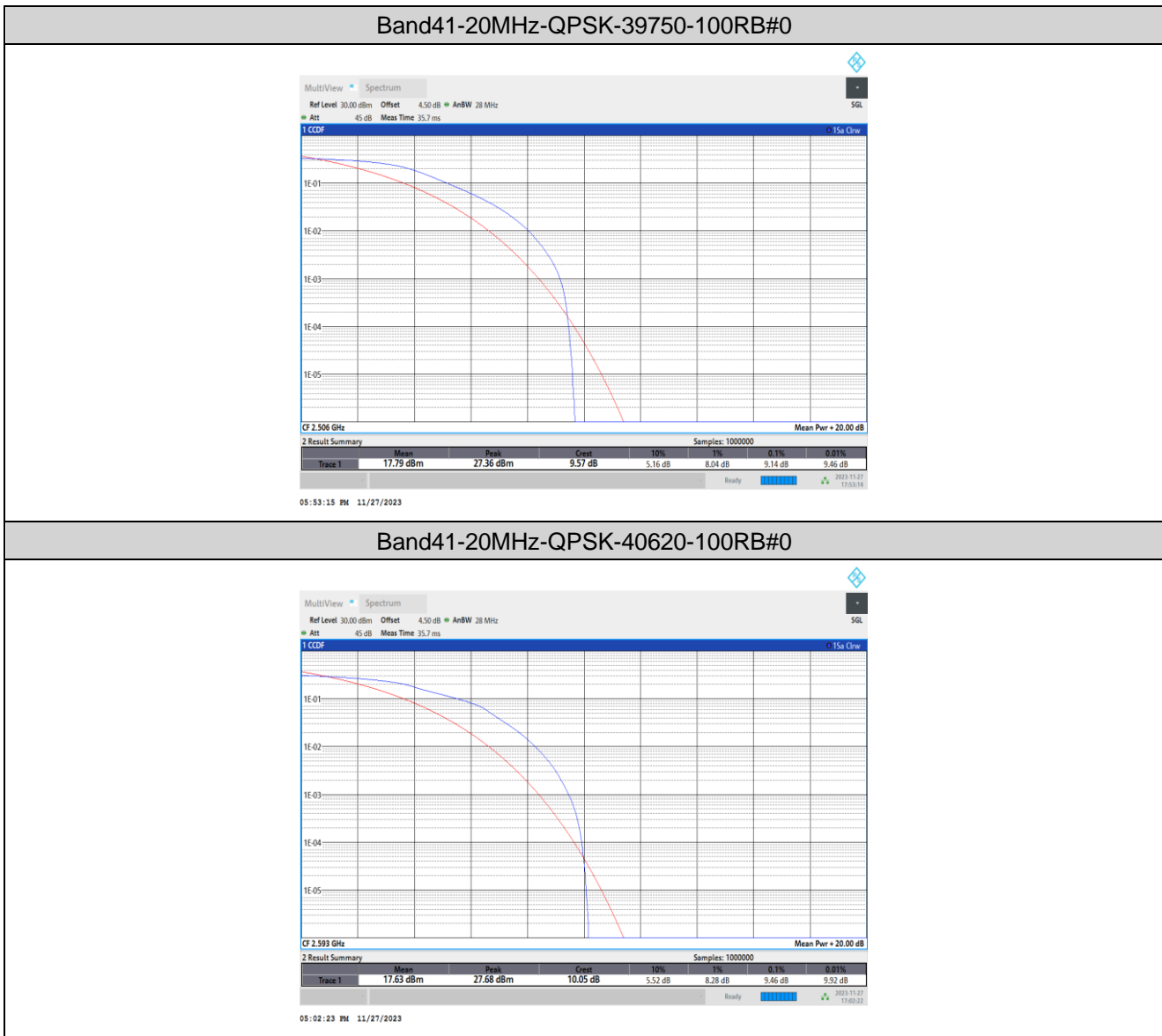
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Test Graphs

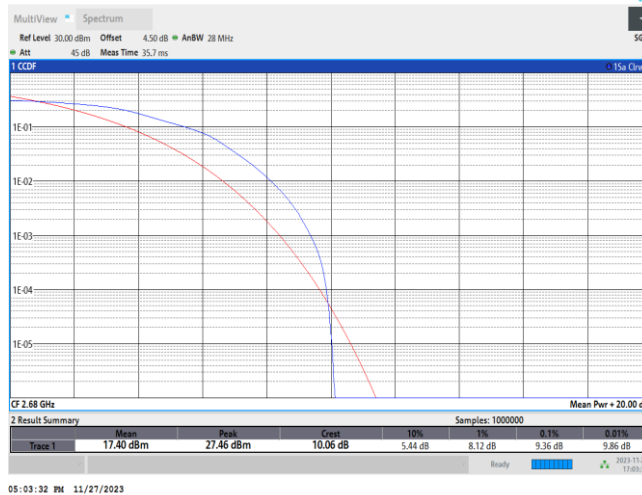


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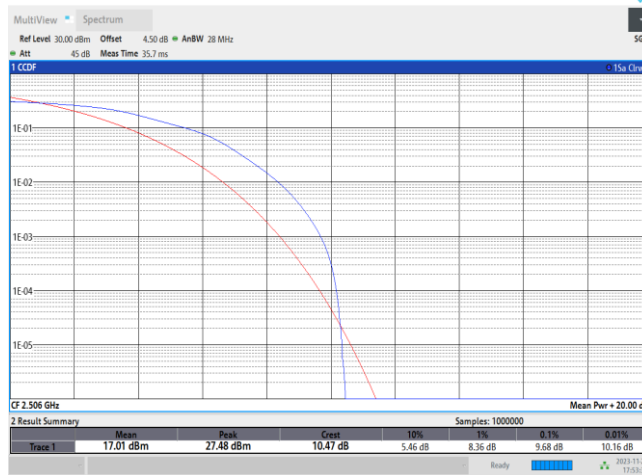
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Band41-20MHz-QPSK-41490-100RB#0



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



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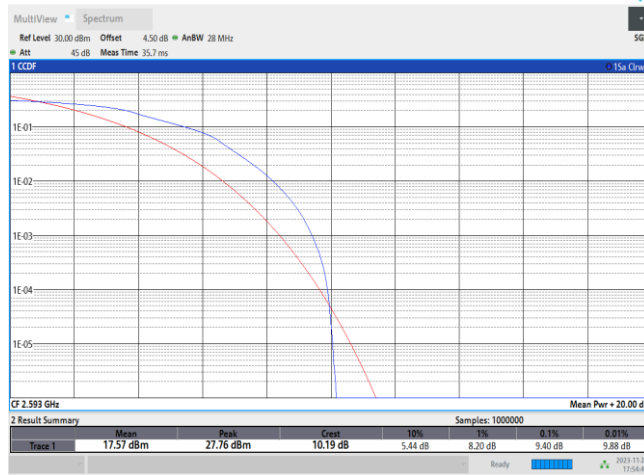


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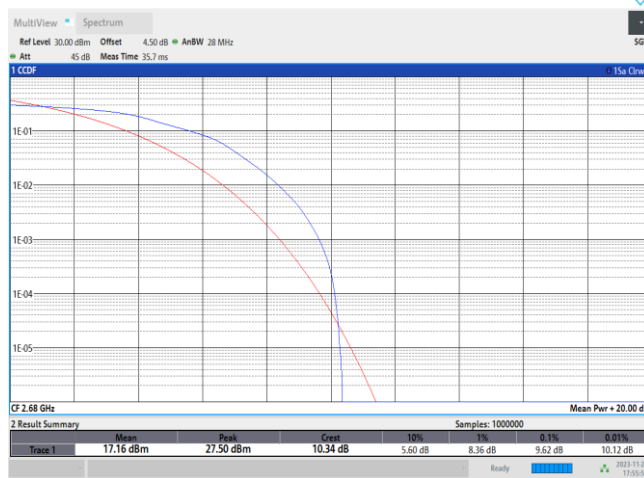
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Band41-20MHz-16QAM-40620-100RB#0



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

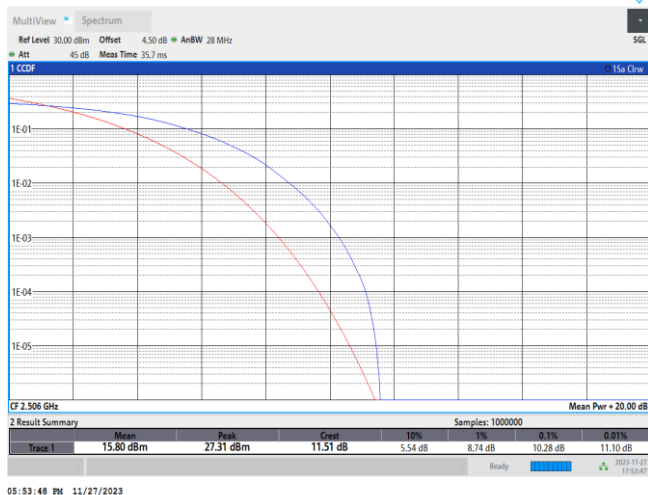


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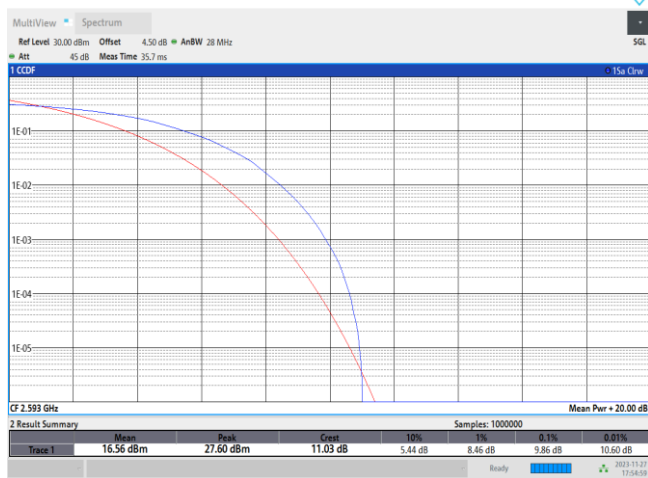
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Band41-20MHz-64QAM-39750-100RB#0



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



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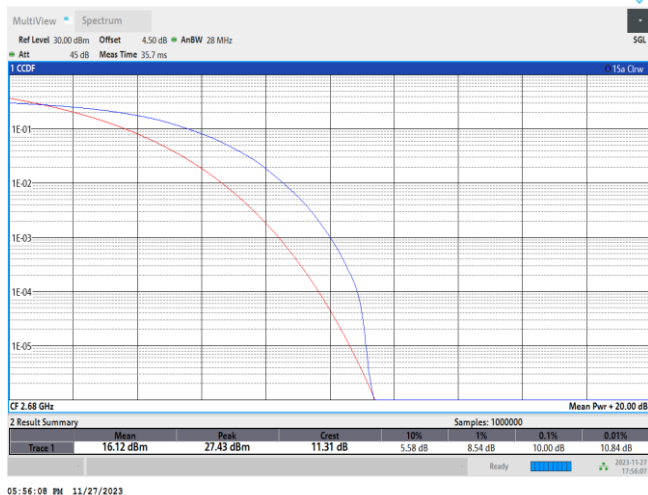


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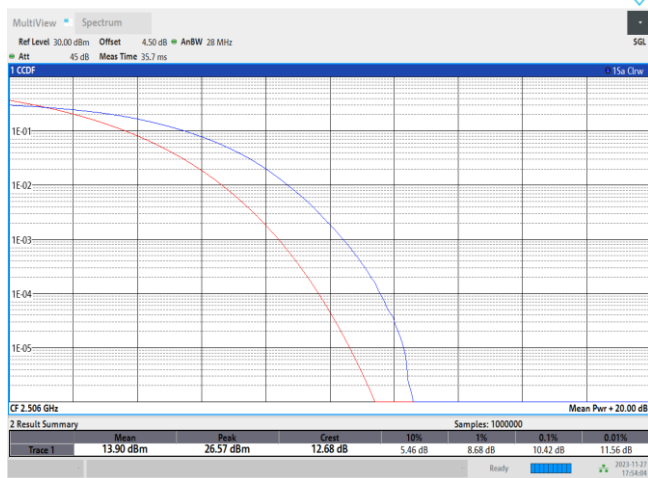
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Band41-20MHz-64QAM-41490-100RB#0



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



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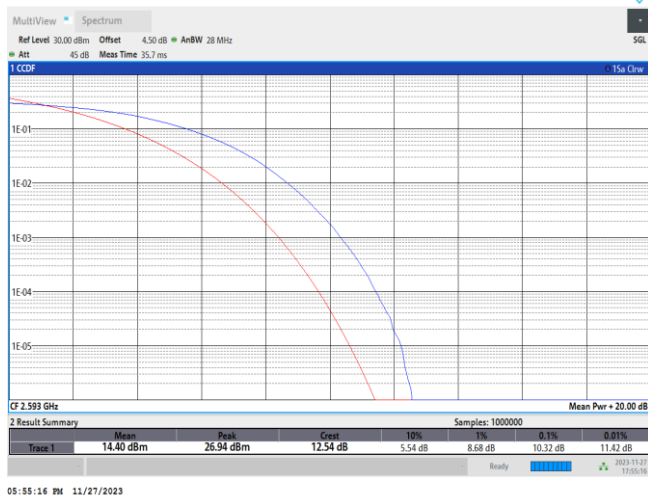


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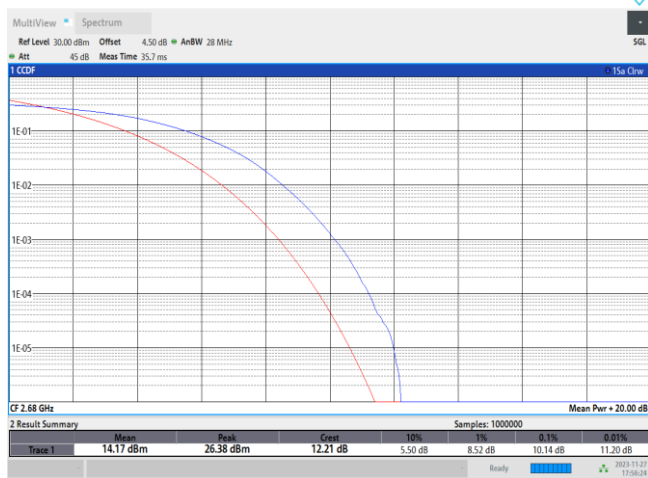
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Band41-20MHz-256QAM-40620-100RB#0



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## 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	4.463	4.89	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.47	4.96	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.456	4.87	PASS
Band41	5MHz	256QAM	40620	25RB#0	4.479	5.02	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.962	9.48	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.897	9.66	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.94	9.78	PASS
Band41	10MHz	256QAM	40620	50RB#0	8.895	9.70	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.476	14.70	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.484	14.76	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.442	14.64	PASS
Band41	15MHz	256QAM	40620	75RB#0	13.468	14.70	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.919	19.32	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.914	19.00	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.858	19.16	PASS
Band41	20MHz	256QAM	40620	100RB#0	17.908	18.80	PASS



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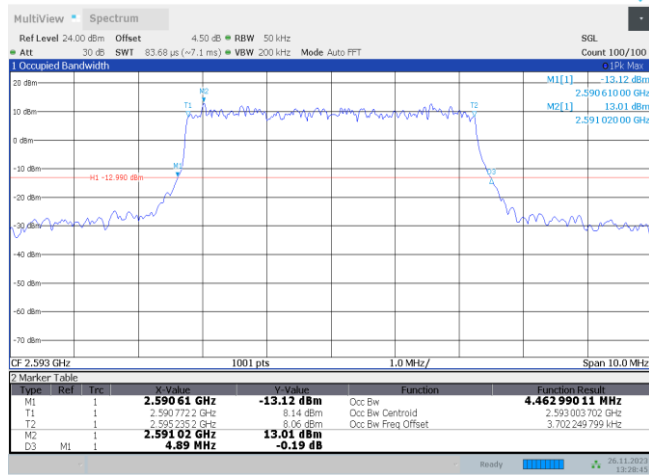
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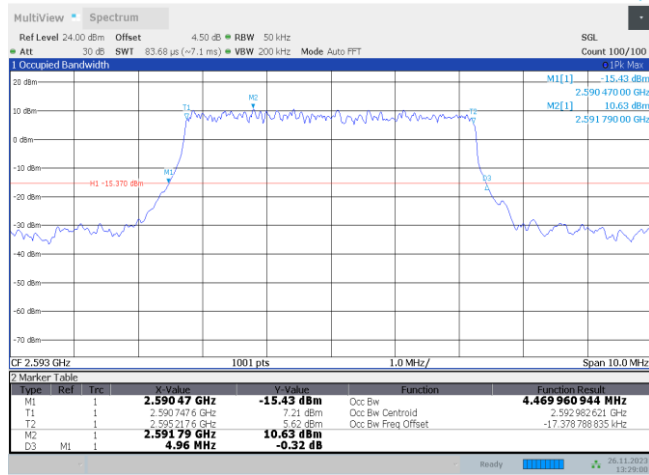
Test Graphs

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



13:28:46 26.11.2023

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



13:29:01 26.11.2023



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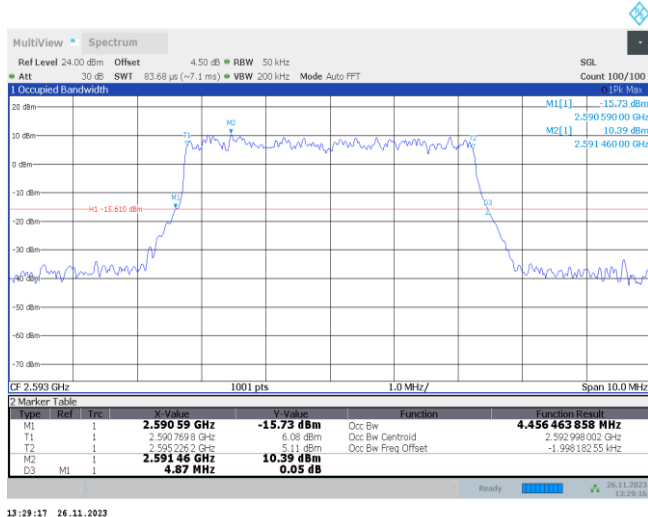
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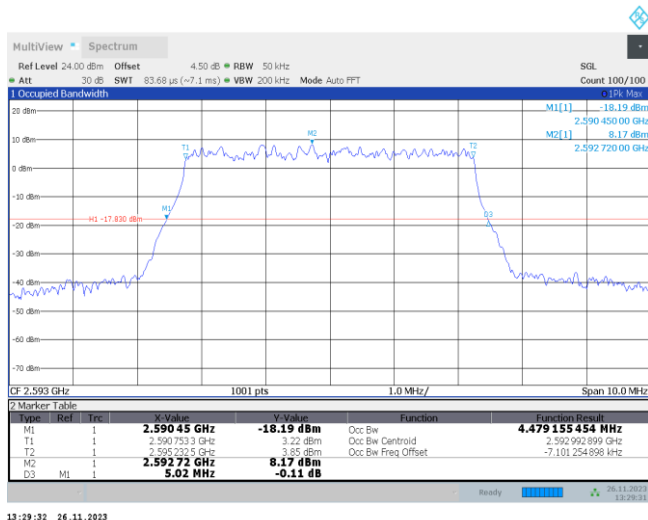
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Band41-5MHz-256QAM-40620-25RB#0

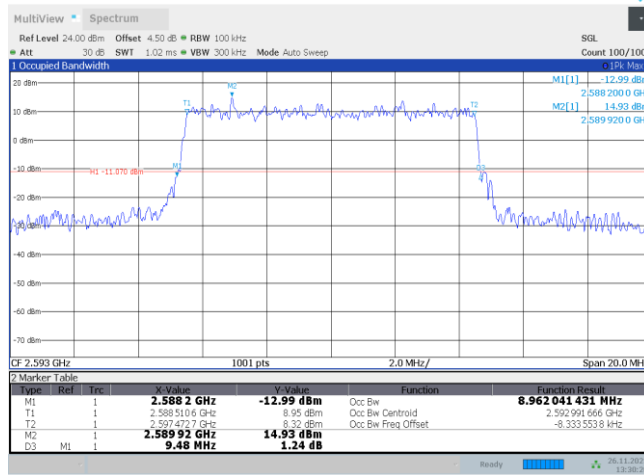


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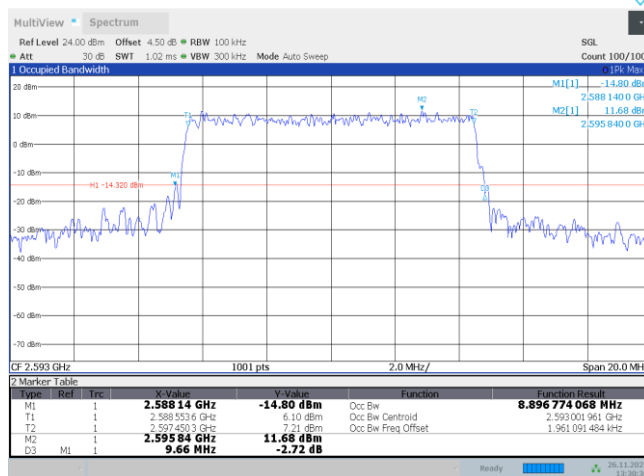
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Band41-10MHz-QPSK-40620-50RB#0



13:30:21 26.11.2023

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



13:30:37 26.11.2023



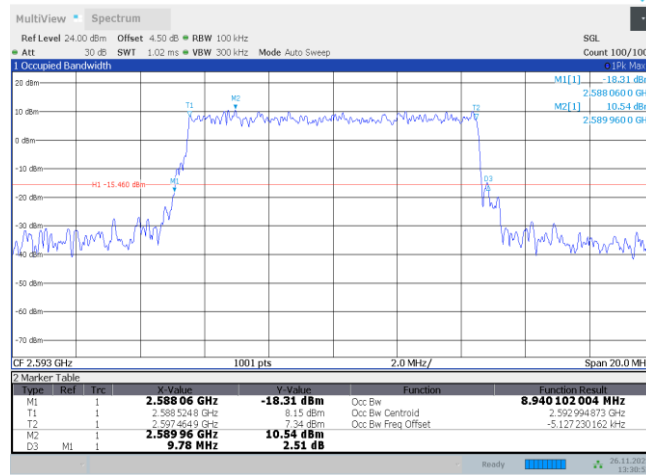
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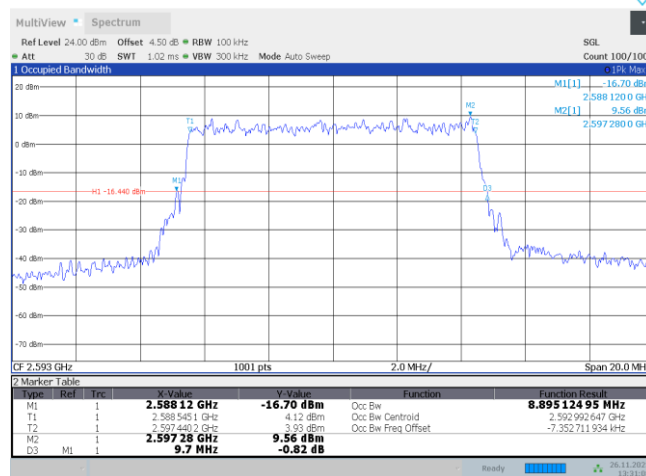
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Band41-10MHz-64QAM-40620-50RB#0



13:30:53 26.11.2023

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



13:31:09 26.11.2023

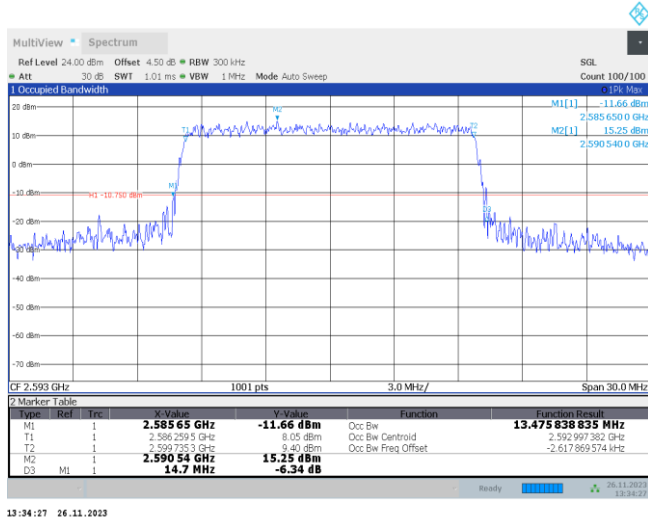


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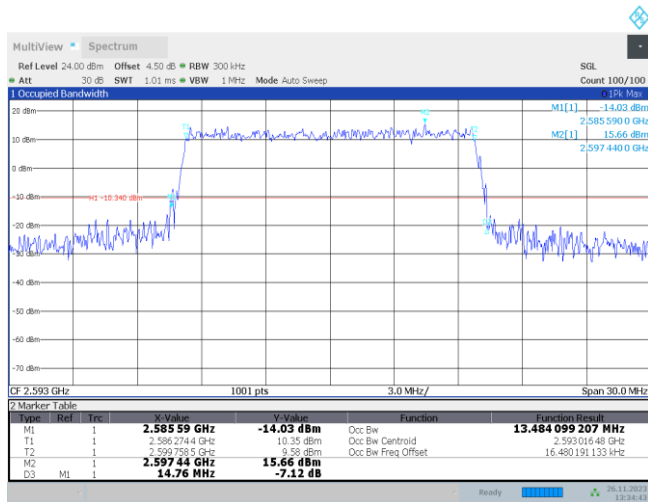
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Band41-15MHz-QPSK-40620-75RB#0



13:34:27 26.11.2023

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



13:34:43 26.11.2023

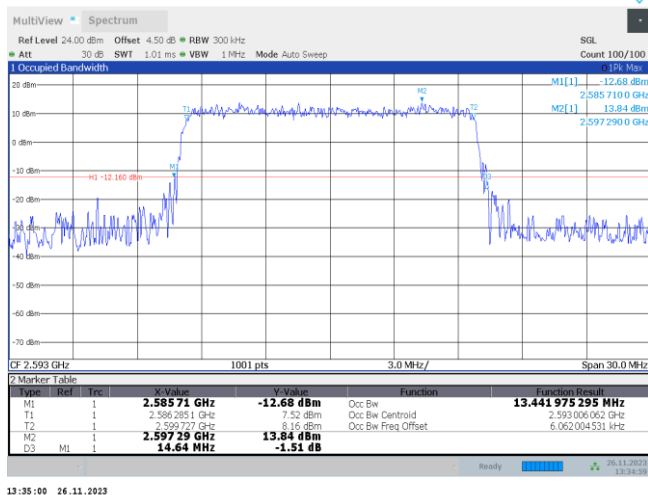


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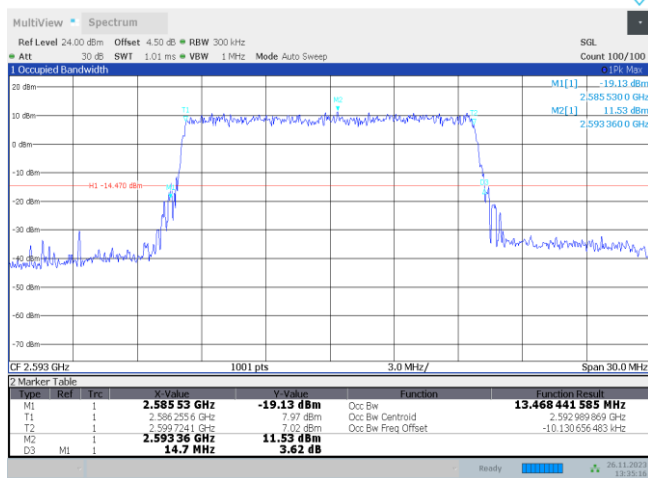
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**Band41-15MHz-64QAM-40620-75RB#0**



13:35:00 26.11.2023

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



13:35:16 26.11.2023

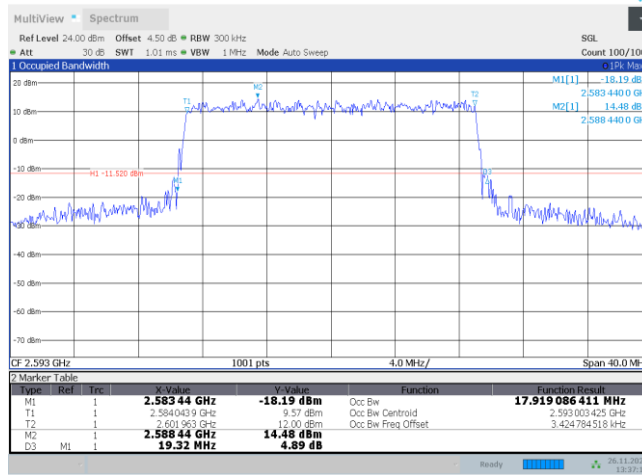


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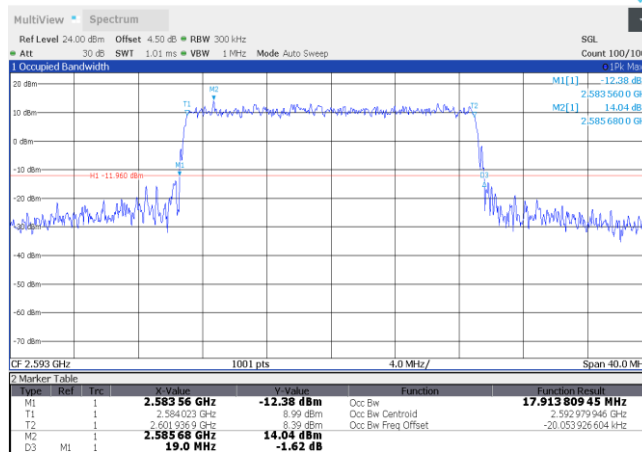
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Band41-20MHz-QPSK-40620-100RB#0



13:37:13 26.11.2023

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



13:37:29 26.11.2023

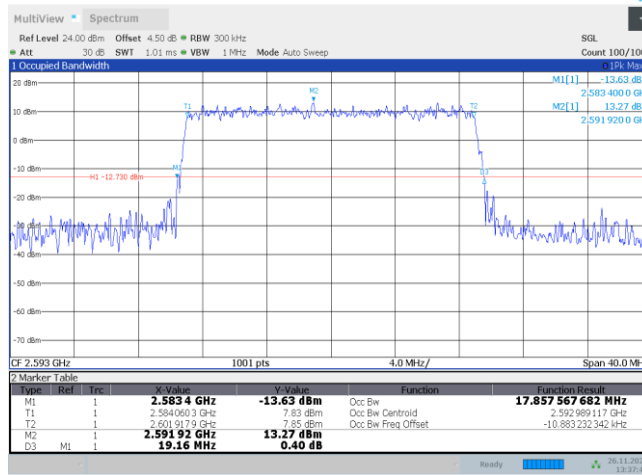


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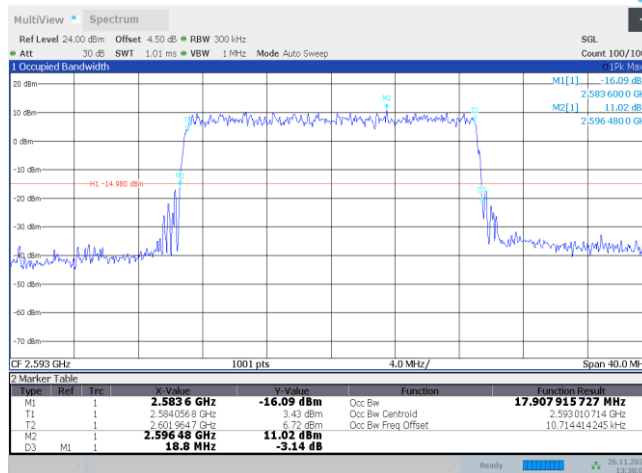
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Band41-20MHz-64QAM-40620-100RB#0



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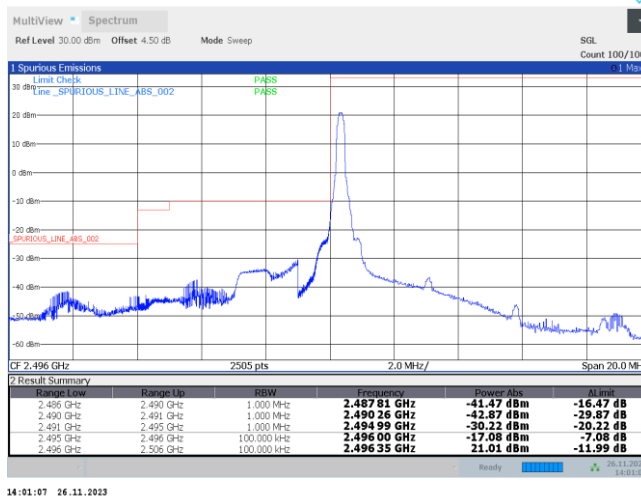
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## Band Edge

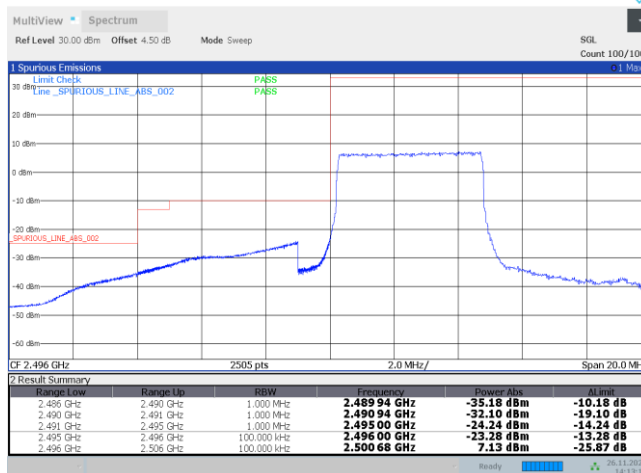
## Test Graphs

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



14:01:07 26.11.2023

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



14:13:15 26.11.2023

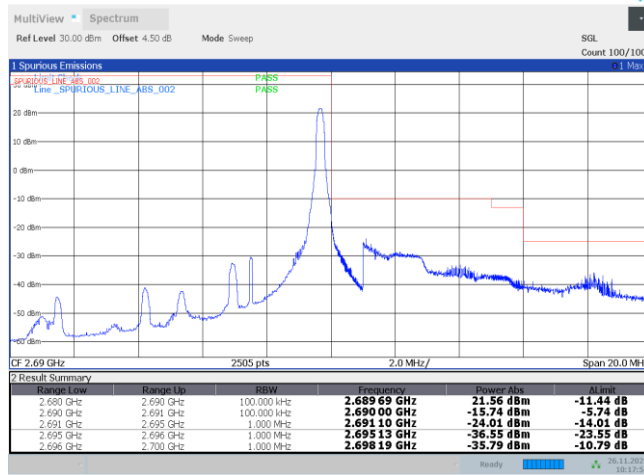


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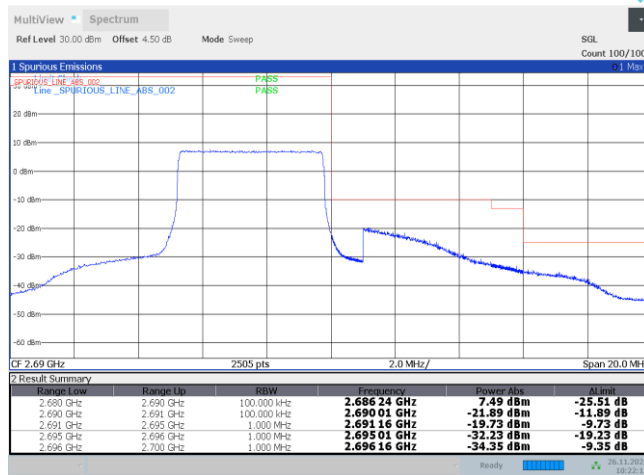
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Band41-5MHz-QPSK-41565-1RB#24



10:17:55 26.11.2023

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



10:22:16 26.11.2023

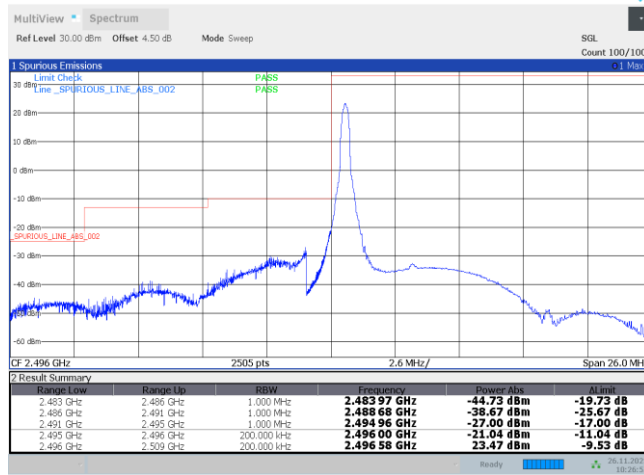


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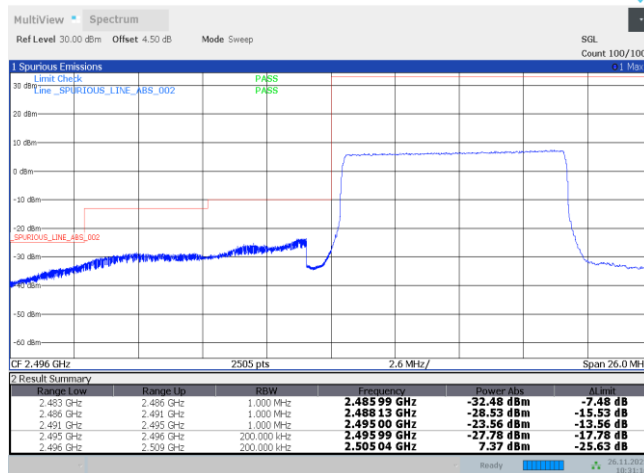
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Band41-10MHz-QPSK-39700-1RB#0



10:24:55 26.11.2023

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



10:31:17 26.11.2023

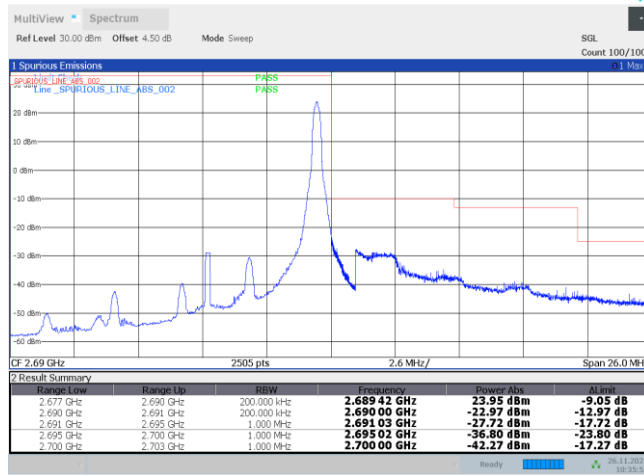


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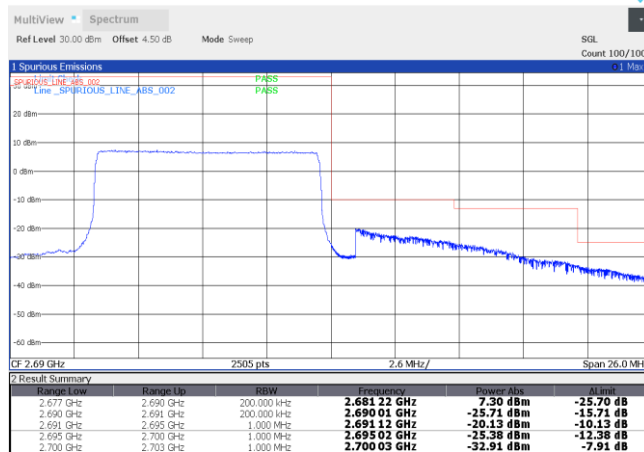
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Band41-10MHz-QPSK-41540-1RB#49



10:35:56 26.11.2023

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



10:40:17 26.11.2023

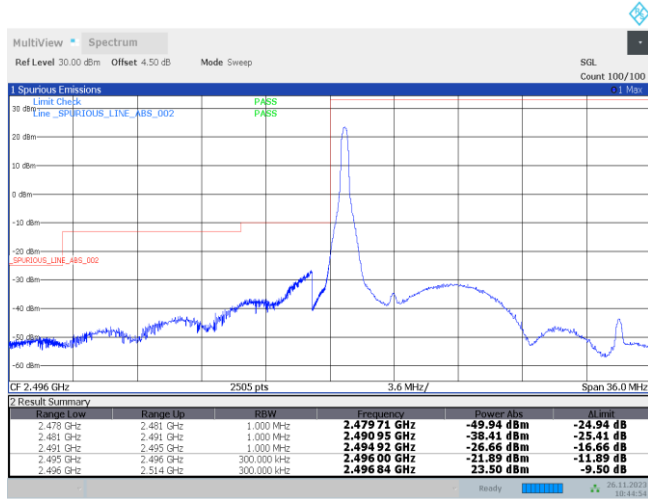


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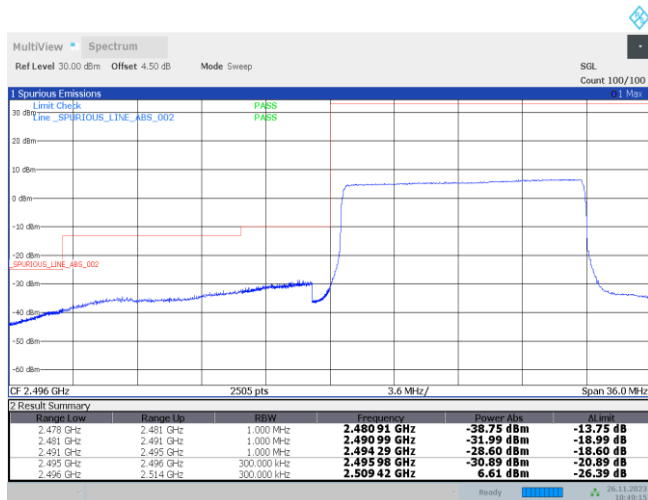
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Band41-15MHz-QPSK-39725-1RB#0



10:44:54 26.11.2023

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



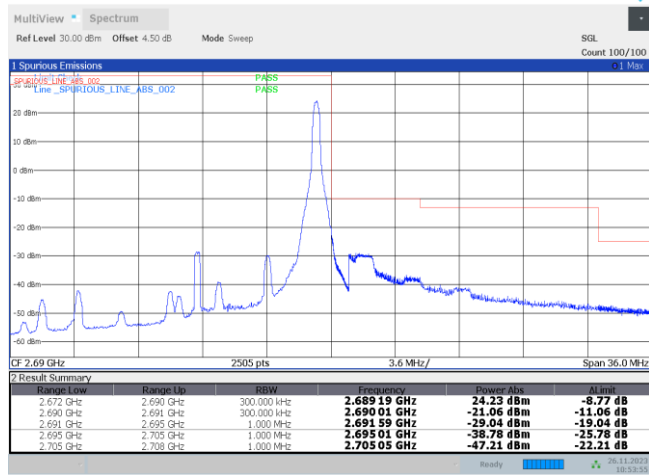
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Band41-15MHz-QPSK-41515-1RB#74



10:53:55 26.11.2023

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



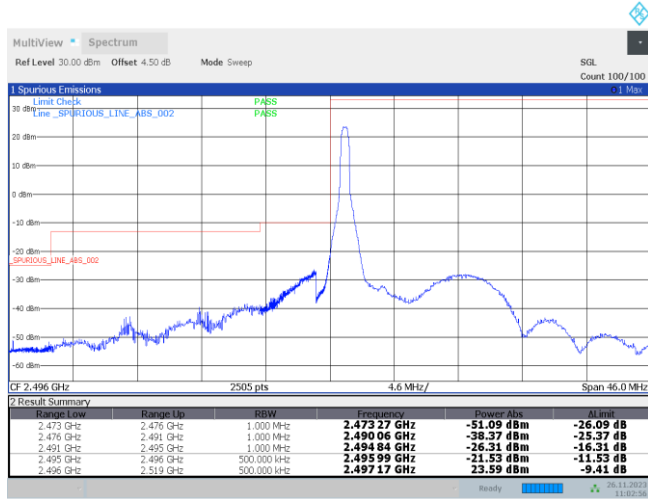
10:58:16 26.11.2023



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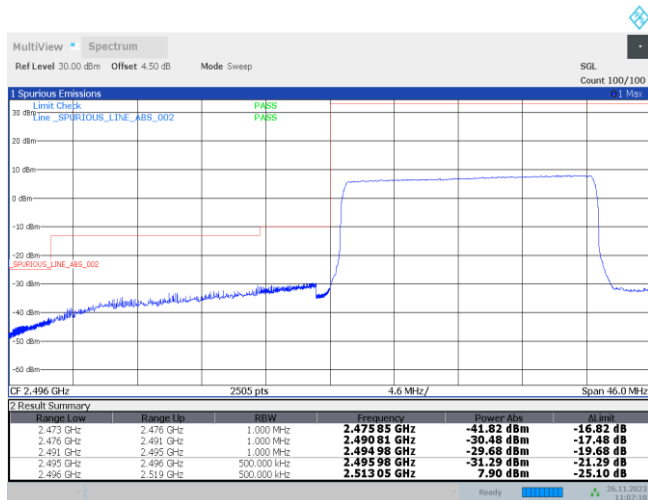
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Band41-20MHz-QPSK-39750-1RB#0



11:02:56 26.11.2023

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



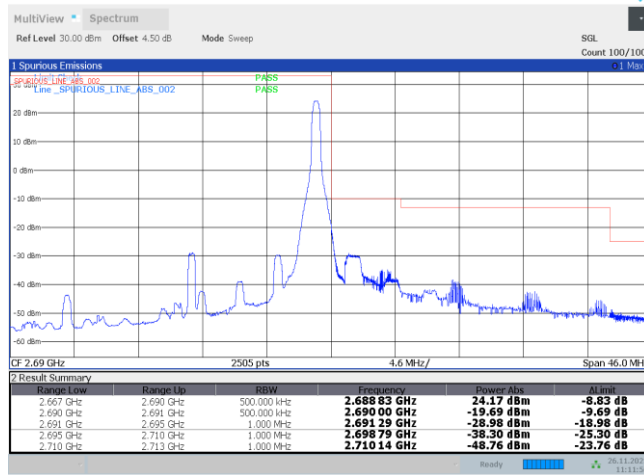
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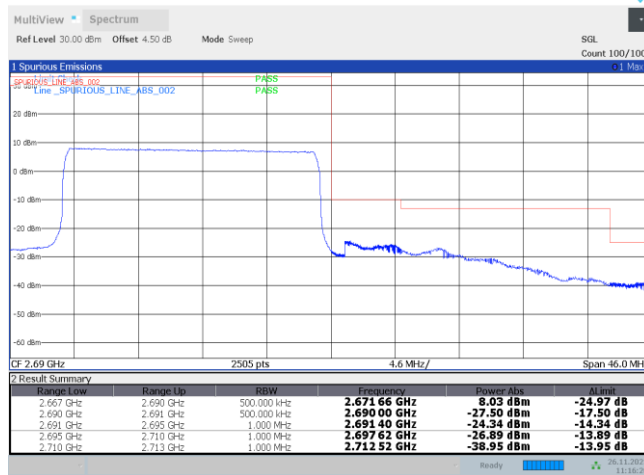
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Band41-20MHz-QPSK-41490-1RB#99



11:11:56 26.11.2023

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



11:14:20 26.11.2023



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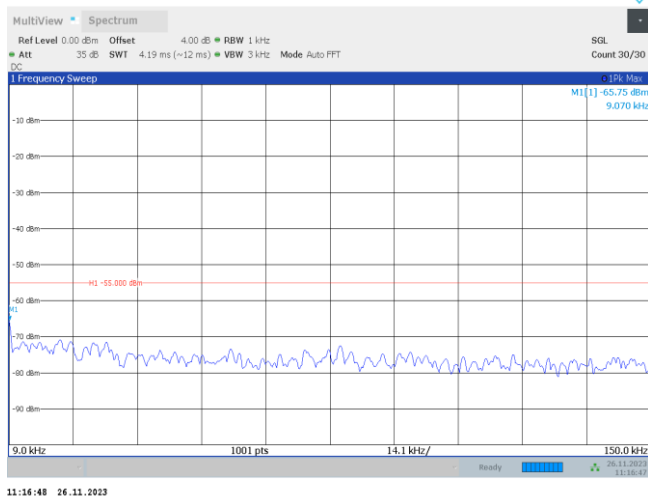
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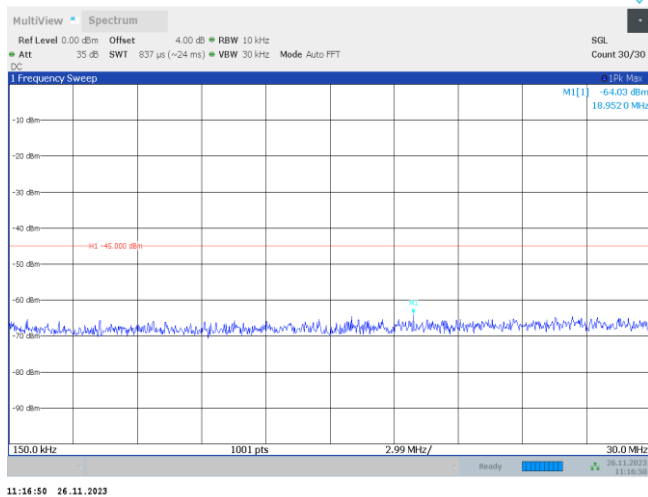
## Conducted Spurious Emission

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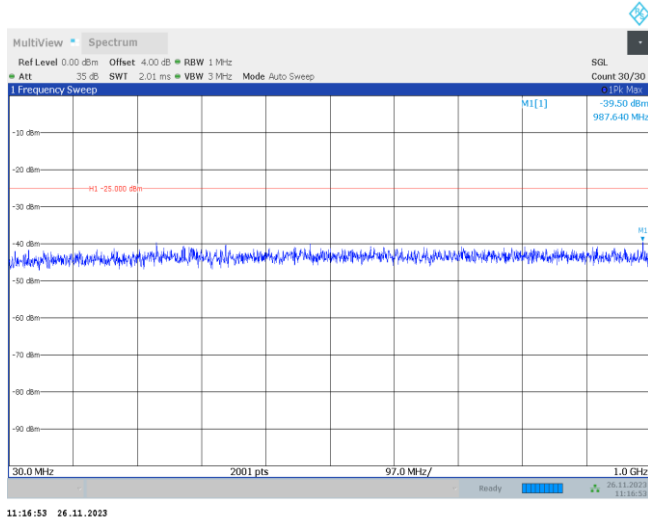
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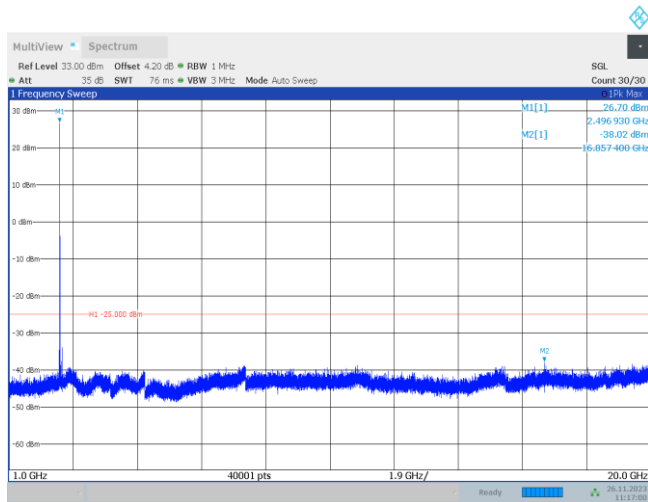
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Band41-20MHz-QPSK-39750-1RB#0-Range3:30~1000MHz



11:14:53 26.11.2023

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



11:17:00 26.11.2023



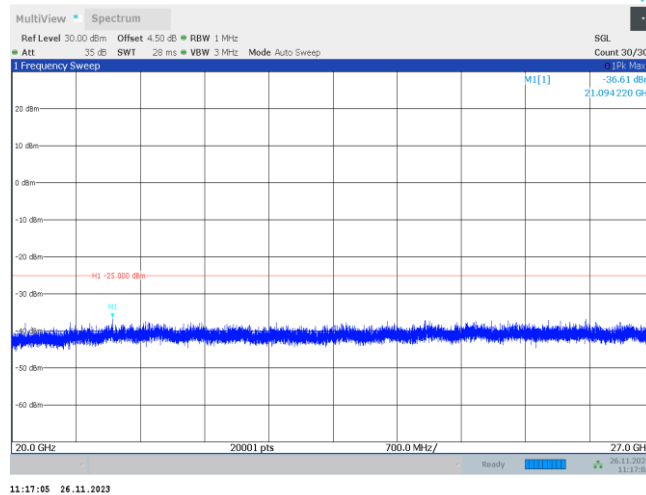
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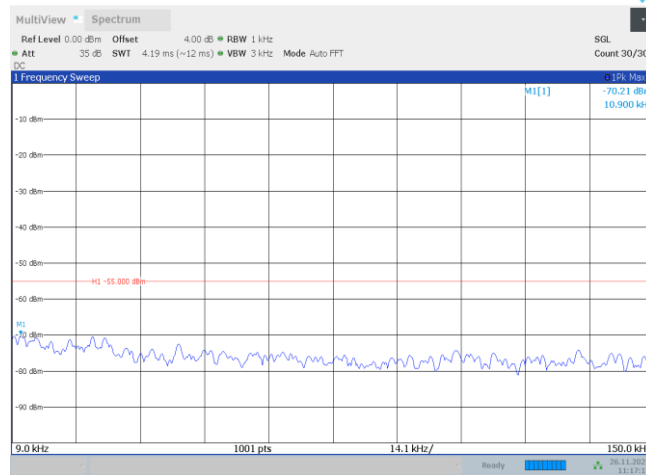
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Band41-20MHz-QPSK-39750-1RB#0-Range5:20000~27000MHz



11:17:05 26.11.2023

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



11:17:17 26.11.2023



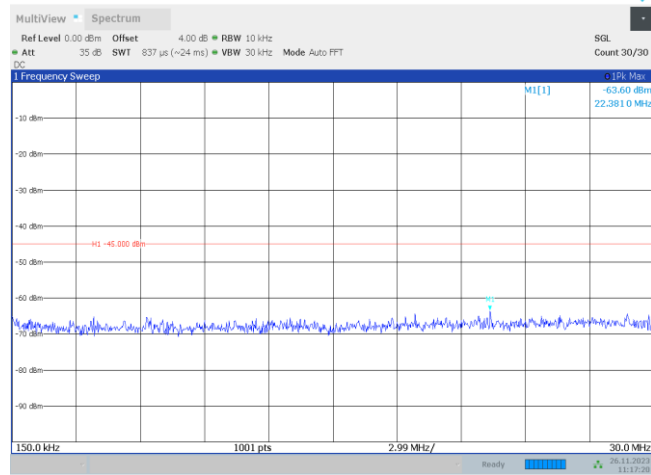
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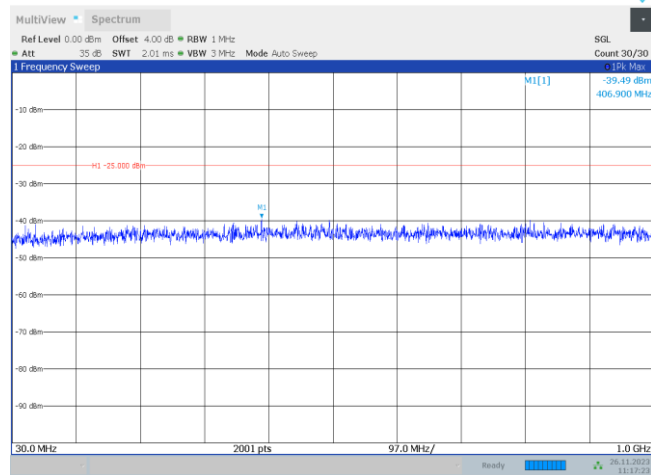
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Band41-20MHz-QPSK-40620-1RB#0-Range2:0.15~30MHz



11:17:20 26.11.2023

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



11:17:23 26.11.2023



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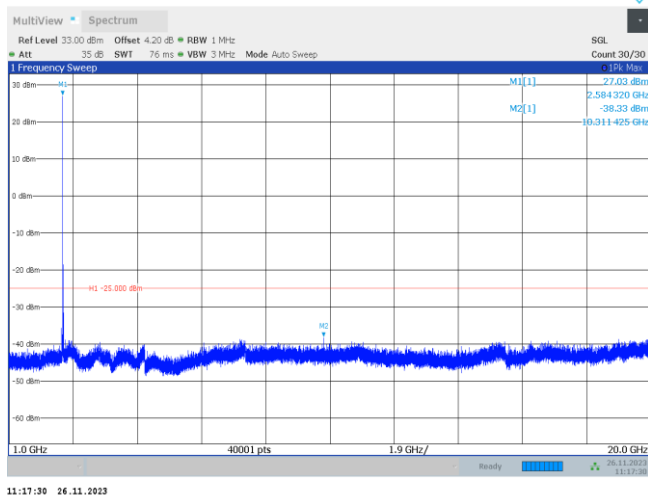
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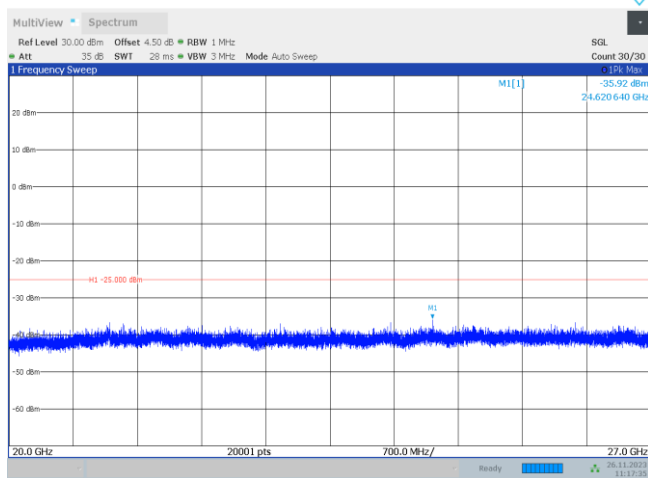
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Band41-20MHz-QPSK-40620-1RB#0-Range4:1000~20000MHz



11:17:30 26.11.2023

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



11:17:35 26.11.2023



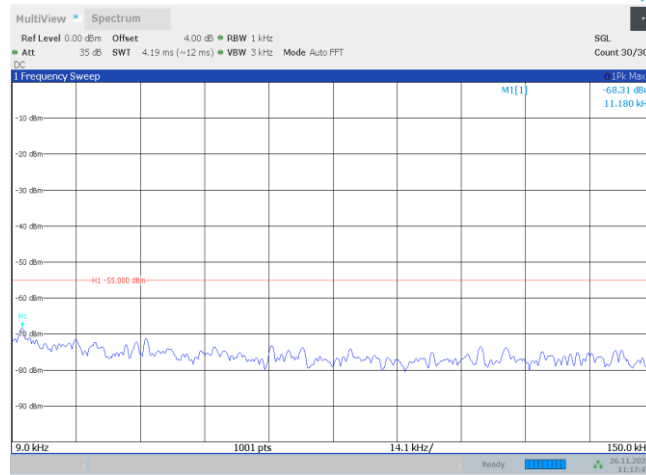
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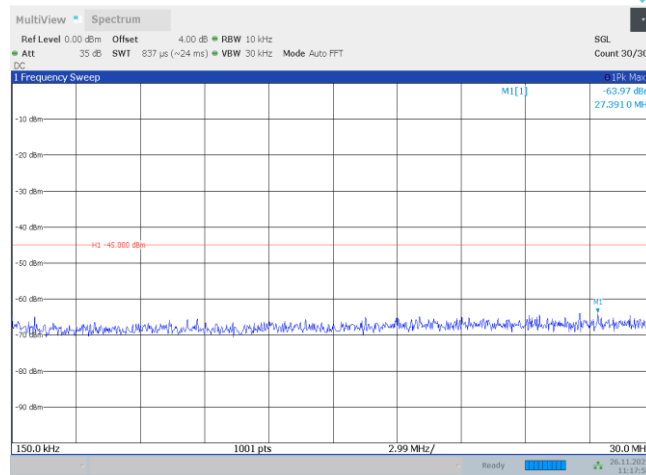
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Band41-20MHz-QPSK-41490-1RB#0-Range1:0.009~0.15MHz



11:17:47 26.11.2023

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



11:17:50 26.11.2023

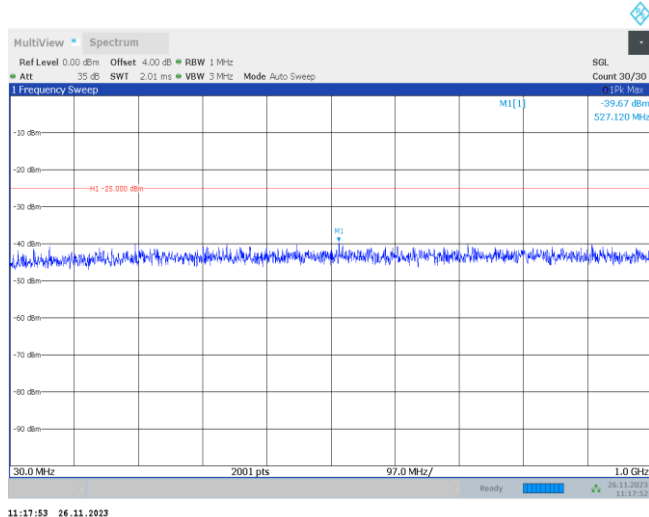


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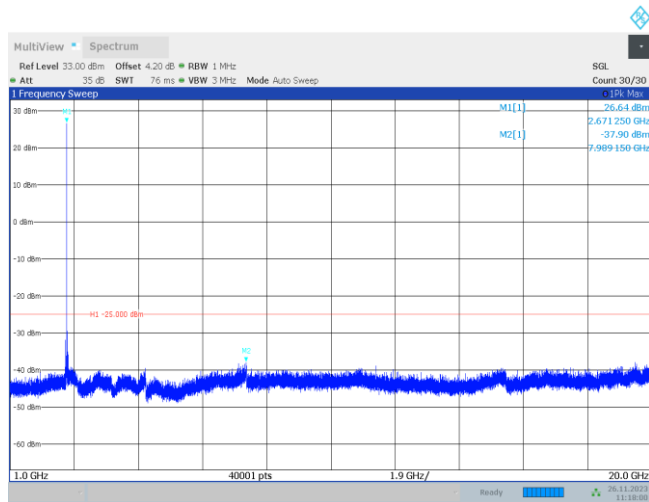
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Band41-20MHz-QPSK-41490-1RB#0-Range3:30~1000MHz



11:17:53 26.11.2023

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



11:18:00 26.11.2023

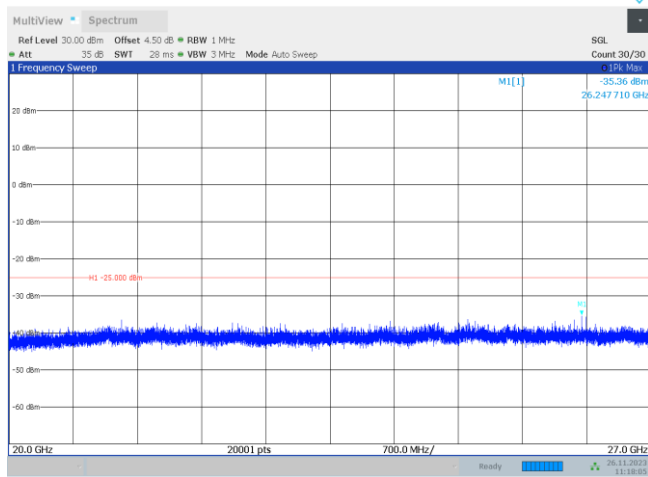


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Band41-20MHz-QPSK-41490-1RB#0-Range5:20000~27000MHz



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### Field Strength of Spurious Radiation

Test Band = LTE Band41\_ 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	4994.1800	40.17	-45.63	31.39	-69.34	-25.00	44.34	Horizontal
2	7491.2700	37.02	-43.16	36.58	-64.83	-25.00	39.83	Horizontal
3	9988.3600	32.12	-39.25	38.18	-64.21	-25.00	39.21	Horizontal
4	12485.4500	25.46	-37.04	38.95	-67.89	-25.00	42.89	Horizontal
5	14982.5400	23.25	-34.64	41.29	-65.36	-25.00	40.36	Horizontal
6	17479.6300	26.26	-35.10	44.46	-59.64	-25.00	34.64	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4994.1800	40.49	-45.63	31.39	-69.02	-25.00	44.02	Vertical
2	7491.2700	37.84	-43.16	36.58	-64.01	-25.00	39.01	Vertical
3	9988.3600	31.84	-39.25	38.18	-64.49	-25.00	39.49	Vertical
4	12485.4500	26.66	-37.04	38.95	-66.69	-25.00	41.69	Vertical
5	14982.5400	23.99	-34.64	41.29	-64.62	-25.00	39.62	Vertical
6	17479.6300	26.33	-35.10	44.46	-59.57	-25.00	34.57	Vertical



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**Test Band = LTE Band41\_ 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	3965.5	42.58	-46.12	29.07	-69.74	-25.00	44.74	Horizontal
2	5168.1800	39.50	-45.31	31.80	-69.26	-25.00	44.26	Horizontal
3	7752.2700	37.68	-42.69	36.70	-63.57	-25.00	38.57	Horizontal
4	10336.3600	30.27	-39.06	38.37	-65.68	-25.00	40.68	Horizontal
5	12920.4500	26.99	-37.16	39.08	-66.35	-25.00	41.35	Horizontal
6	15504.5400	24.89	-35.35	40.24	-65.48	-25.00	40.48	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4067	43.56	-45.85	29.26	-68.29	-25.00	43.29	Vertical
2	5168.1800	40.19	-45.31	31.80	-68.57	-25.00	43.57	Vertical
3	7752.2700	37.57	-42.69	36.70	-63.68	-25.00	38.68	Vertical
4	10336.3600	30.62	-39.06	38.37	-65.33	-25.00	40.33	Vertical
5	12920.4500	26.64	-37.16	39.08	-66.70	-25.00	41.70	Vertical
6	15504.5400	24.48	-35.35	40.24	-65.89	-25.00	40.89	Vertical



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**Test Band = LTE Band41\_ 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	3962.5	43.11	-46.13	29.06	-69.22	-25.00	44.22	Horizontal
2	5255.1800	39.83	-45.17	32.01	-68.59	-25.00	43.59	Horizontal
3	7882.7700	37.11	-42.73	36.75	-64.13	-25.00	39.13	Horizontal
4	10510.3600	30.70	-38.77	38.46	-64.87	-25.00	39.87	Horizontal
5	13137.9500	25.24	-37.08	39.35	-67.75	-25.00	42.75	Horizontal
6	15765.5400	23.93	-33.24	39.69	-64.88	-25.00	39.88	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4258	42.92	-45.64	29.72	-68.26	-25.00	43.26	Vertical
2	5255.1800	40.10	-45.17	32.01	-68.32	-25.00	43.32	Vertical
3	7882.7700	37.69	-42.73	36.75	-63.55	-25.00	38.55	Vertical
4	10510.3600	30.80	-38.77	38.46	-64.77	-25.00	39.77	Vertical
5	13137.9500	25.15	-37.08	39.35	-67.84	-25.00	42.84	Vertical
6	15765.5400	23.37	-33.24	39.69	-65.44	-25.00	40.44	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

2) All antennas of RSE are tested, and only the worst data is presented.



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## Frequency Stability

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	-2.70	-0.001041	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-2.30	-0.000887	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	-0.20	-0.000077	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-3.00	-0.001157	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-1.50	-0.000578	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	-1.80	-0.000694	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	0.60	0.000231	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-0.80	-0.000309	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	-1.20	-0.000463	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	0.00	0.000000	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-0.80	-0.000309	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	-1.10	-0.000424	PASS

---End of Attachment---



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