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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	26.36	27.14	33	PASS
Band41	5MHz	QPSK	39675	1RB#12	26.36	27.14	33	PASS
Band41	5MHz	QPSK	39675	1RB#24	26.58	27.36	33	PASS
Band41	5MHz	QPSK	39675	25RB#0	26.34	27.12	33	PASS
Band41	5MHz	QPSK	40620	1RB#0	26.56	27.34	33	PASS
Band41	5MHz	QPSK	40620	1RB#12	26.69	27.47	33	PASS
Band41	5MHz	QPSK	40620	1RB#24	26.63	27.41	33	PASS
Band41	5MHz	QPSK	40620	25RB#0	26.26	27.04	33	PASS
Band41	5MHz	QPSK	41565	1RB#0	26.85	27.63	33	PASS
Band41	5MHz	QPSK	41565	1RB#12	26.66	27.44	33	PASS
Band41	5MHz	QPSK	41565	1RB#24	26.85	27.63	33	PASS
Band41	5MHz	QPSK	41565	25RB#0	26.37	27.15	33	PASS
Band41	5MHz	16QAM	39675	1RB#0	26.42	27.2	33	PASS
Band41	5MHz	16QAM	39675	1RB#12	26.4	27.18	33	PASS
Band41	5MHz	16QAM	39675	1RB#24	26.4	27.18	33	PASS
Band41	5MHz	16QAM	39675	25RB#0	25.33	26.11	33	PASS
Band41	5MHz	16QAM	40620	1RB#0	26.35	27.13	33	PASS
Band41	5MHz	16QAM	40620	1RB#12	26.4	27.18	33	PASS
Band41	5MHz	16QAM	40620	1RB#24	26.39	27.17	33	PASS
Band41	5MHz	16QAM	40620	25RB#0	25.24	26.02	33	PASS
Band41	5MHz	16QAM	41565	1RB#0	26.39	27.17	33	PASS
Band41	5MHz	16QAM	41565	1RB#12	26.5	27.28	33	PASS
Band41	5MHz	16QAM	41565	1RB#24	26.44	27.22	33	PASS
Band41	5MHz	16QAM	41565	25RB#0	25.38	26.16	33	PASS
Band41	5MHz	64QAM	39675	1RB#0	25.62	26.4	33	PASS
Band41	5MHz	64QAM	39675	1RB#12	25.67	26.45	33	PASS
Band41	5MHz	64QAM	39675	1RB#24	25.62	26.4	33	PASS



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Band41	5MHz	64QAM	39675	25RB#0	24.33	25.11	33	PASS
Band41	5MHz	64QAM	40620	1RB#0	25.69	26.47	33	PASS
Band41	5MHz	64QAM	40620	1RB#12	25.77	26.55	33	PASS
Band41	5MHz	64QAM	40620	1RB#24	25.62	26.4	33	PASS
Band41	5MHz	64QAM	40620	25RB#0	24.29	25.07	33	PASS
Band41	5MHz	64QAM	41565	1RB#0	25.62	26.4	33	PASS
Band41	5MHz	64QAM	41565	1RB#12	25.66	26.44	33	PASS
Band41	5MHz	64QAM	41565	1RB#24	25.6	26.38	33	PASS
Band41	5MHz	64QAM	41565	25RB#0	24.38	25.16	33	PASS
Band41	5MHz	256QAM	39675	1RB#0	22.33	23.11	33	PASS
Band41	5MHz	256QAM	39675	1RB#12	22.52	23.3	33	PASS
Band41	5MHz	256QAM	39675	1RB#24	22.4	23.18	33	PASS
Band41	5MHz	256QAM	39675	25RB#0	22.3	23.08	33	PASS
Band41	5MHz	256QAM	40620	1RB#0	22.24	23.02	33	PASS
Band41	5MHz	256QAM	40620	1RB#12	22.45	23.23	33	PASS
Band41	5MHz	256QAM	40620	1RB#24	22.43	23.21	33	PASS
Band41	5MHz	256QAM	40620	25RB#0	22.27	23.05	33	PASS
Band41	5MHz	256QAM	41565	1RB#0	22.41	23.19	33	PASS
Band41	5MHz	256QAM	41565	1RB#12	22.54	23.32	33	PASS
Band41	5MHz	256QAM	41565	1RB#24	22.46	23.24	33	PASS
Band41	5MHz	256QAM	41565	25RB#0	22.45	23.23	33	PASS
Band41	10MHz	QPSK	39700	1RB#0	26.89	27.67	33	PASS
Band41	10MHz	QPSK	39700	1RB#24	26.65	27.43	33	PASS
Band41	10MHz	QPSK	39700	1RB#49	26.89	27.67	33	PASS
Band41	10MHz	QPSK	39700	50RB#0	26.38	27.16	33	PASS
Band41	10MHz	QPSK	40620	1RB#0	26.63	27.41	33	PASS
Band41	10MHz	QPSK	40620	1RB#24	26.99	27.77	33	PASS
Band41	10MHz	QPSK	40620	1RB#49	26.78	27.56	33	PASS
Band41	10MHz	QPSK	40620	50RB#0	26.28	27.06	33	PASS
Band41	10MHz	QPSK	41540	1RB#0	26.59	27.37	33	PASS
Band41	10MHz	QPSK	41540	1RB#24	26.85	27.63	33	PASS
Band41	10MHz	QPSK	41540	1RB#49	26.65	27.43	33	PASS
Band41	10MHz	QPSK	41540	50RB#0	26.34	27.12	33	PASS



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Band41	10MHz	16QAM	39700	1RB#0	26.48	27.26	33	PASS
Band41	10MHz	16QAM	39700	1RB#24	26.38	27.16	33	PASS
Band41	10MHz	16QAM	39700	1RB#49	26.4	27.18	33	PASS
Band41	10MHz	16QAM	39700	50RB#0	25.37	26.15	33	PASS
Band41	10MHz	16QAM	40620	1RB#0	26.43	27.21	33	PASS
Band41	10MHz	16QAM	40620	1RB#24	26.44	27.22	33	PASS
Band41	10MHz	16QAM	40620	1RB#49	26.29	27.07	33	PASS
Band41	10MHz	16QAM	40620	50RB#0	25.29	26.07	33	PASS
Band41	10MHz	16QAM	41540	1RB#0	26.14	26.92	33	PASS
Band41	10MHz	16QAM	41540	1RB#24	26.52	27.3	33	PASS
Band41	10MHz	16QAM	41540	1RB#49	26.18	26.96	33	PASS
Band41	10MHz	16QAM	41540	50RB#0	25.31	26.09	33	PASS
Band41	10MHz	64QAM	39700	1RB#0	25.59	26.37	33	PASS
Band41	10MHz	64QAM	39700	1RB#24	25.63	26.41	33	PASS
Band41	10MHz	64QAM	39700	1RB#49	25.57	26.35	33	PASS
Band41	10MHz	64QAM	39700	50RB#0	24.38	25.16	33	PASS
Band41	10MHz	64QAM	40620	1RB#0	25.64	26.42	33	PASS
Band41	10MHz	64QAM	40620	1RB#24	25.75	26.53	33	PASS
Band41	10MHz	64QAM	40620	1RB#49	25.6	26.38	33	PASS
Band41	10MHz	64QAM	40620	50RB#0	24.31	25.09	33	PASS
Band41	10MHz	64QAM	41540	1RB#0	25.27	26.05	33	PASS
Band41	10MHz	64QAM	41540	1RB#24	25.72	26.5	33	PASS
Band41	10MHz	64QAM	41540	1RB#49	25.5	26.28	33	PASS
Band41	10MHz	64QAM	41540	50RB#0	24.35	25.13	33	PASS
Band41	10MHz	256QAM	39700	1RB#0	22.34	23.12	33	PASS
Band41	10MHz	256QAM	39700	1RB#24	22.47	23.25	33	PASS
Band41	10MHz	256QAM	39700	1RB#49	22.36	23.14	33	PASS
Band41	10MHz	256QAM	39700	50RB#0	22.37	23.15	33	PASS
Band41	10MHz	256QAM	40620	1RB#0	22.44	23.22	33	PASS
Band41	10MHz	256QAM	40620	1RB#24	22.5	23.28	33	PASS
Band41	10MHz	256QAM	40620	1RB#49	22.44	23.22	33	PASS
Band41	10MHz	256QAM	40620	50RB#0	22.3	23.08	33	PASS
Band41	10MHz	256QAM	41540	1RB#0	22.18	22.96	33	PASS



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Band41	10MHz	256QAM	41540	1RB#24	22.53	23.31	33	PASS
Band41	10MHz	256QAM	41540	1RB#49	22.26	23.04	33	PASS
Band41	10MHz	256QAM	41540	50RB#0	22.36	23.14	33	PASS
Band41	15MHz	QPSK	39725	1RB#0	26.88	27.66	33	PASS
Band41	15MHz	QPSK	39725	1RB#38	26.69	27.47	33	PASS
Band41	15MHz	QPSK	39725	1RB#74	26.68	27.46	33	PASS
Band41	15MHz	QPSK	39725	75RB#0	26.22	27	33	PASS
Band41	15MHz	QPSK	40620	1RB#0	26.63	27.41	33	PASS
Band41	15MHz	QPSK	40620	1RB#38	26.63	27.41	33	PASS
Band41	15MHz	QPSK	40620	1RB#74	26.63	27.41	33	PASS
Band41	15MHz	QPSK	40620	75RB#0	26.14	26.92	33	PASS
Band41	15MHz	QPSK	41515	1RB#0	26.88	27.66	33	PASS
Band41	15MHz	QPSK	41515	1RB#38	26.85	27.63	33	PASS
Band41	15MHz	QPSK	41515	1RB#74	26.56	27.34	33	PASS
Band41	15MHz	QPSK	41515	75RB#0	26.24	27.02	33	PASS
Band41	15MHz	16QAM	39725	1RB#0	26.19	26.97	33	PASS
Band41	15MHz	16QAM	39725	1RB#38	26.26	27.04	33	PASS
Band41	15MHz	16QAM	39725	1RB#74	26.21	26.99	33	PASS
Band41	15MHz	16QAM	39725	75RB#0	25.23	26.01	33	PASS
Band41	15MHz	16QAM	40620	1RB#0	26.25	27.03	33	PASS
Band41	15MHz	16QAM	40620	1RB#38	26.32	27.1	33	PASS
Band41	15MHz	16QAM	40620	1RB#74	26.18	26.96	33	PASS
Band41	15MHz	16QAM	40620	75RB#0	25.17	25.95	33	PASS
Band41	15MHz	16QAM	41515	1RB#0	25.89	26.67	33	PASS
Band41	15MHz	16QAM	41515	1RB#38	26.38	27.16	33	PASS
Band41	15MHz	16QAM	41515	1RB#74	26.17	26.95	33	PASS
Band41	15MHz	16QAM	41515	75RB#0	25.23	26.01	33	PASS
Band41	15MHz	64QAM	39725	1RB#0	25.34	26.12	33	PASS
Band41	15MHz	64QAM	39725	1RB#38	25.36	26.14	33	PASS
Band41	15MHz	64QAM	39725	1RB#74	25.36	26.14	33	PASS
Band41	15MHz	64QAM	39725	75RB#0	24.21	24.99	33	PASS
Band41	15MHz	64QAM	40620	1RB#0	25.58	26.36	33	PASS
Band41	15MHz	64QAM	40620	1RB#38	25.49	26.27	33	PASS



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Band41	15MHz	64QAM	40620	1RB#74	25.56	26.34	33	PASS
Band41	15MHz	64QAM	40620	75RB#0	24.18	24.96	33	PASS
Band41	15MHz	64QAM	41515	1RB#0	25.18	25.96	33	PASS
Band41	15MHz	64QAM	41515	1RB#38	25.66	26.44	33	PASS
Band41	15MHz	64QAM	41515	1RB#74	25.58	26.36	33	PASS
Band41	15MHz	64QAM	41515	75RB#0	24.26	25.04	33	PASS
Band41	15MHz	256QAM	39725	1RB#0	22.16	22.94	33	PASS
Band41	15MHz	256QAM	39725	1RB#38	22.31	23.09	33	PASS
Band41	15MHz	256QAM	39725	1RB#74	22.31	23.09	33	PASS
Band41	15MHz	256QAM	39725	75RB#0	22.24	23.02	33	PASS
Band41	15MHz	256QAM	40620	1RB#0	22.32	23.1	33	PASS
Band41	15MHz	256QAM	40620	1RB#38	22.26	23.04	33	PASS
Band41	15MHz	256QAM	40620	1RB#74	22.25	23.03	33	PASS
Band41	15MHz	256QAM	40620	75RB#0	22.19	22.97	33	PASS
Band41	15MHz	256QAM	41515	1RB#0	21.97	22.75	33	PASS
Band41	15MHz	256QAM	41515	1RB#38	22.43	23.21	33	PASS
Band41	15MHz	256QAM	41515	1RB#74	22.35	23.13	33	PASS
Band41	15MHz	256QAM	41515	75RB#0	22.23	23.01	33	PASS
Band41	20MHz	QPSK	39750	1RB#0	26.32	27.1	33	PASS
Band41	20MHz	QPSK	39750	1RB#49	26.15	26.93	33	PASS
Band41	20MHz	QPSK	39750	1RB#99	26.52	27.3	33	PASS
Band41	20MHz	QPSK	39750	100RB#0	26.23	27.01	33	PASS
Band41	20MHz	QPSK	40620	1RB#0	26.36	27.14	33	PASS
Band41	20MHz	QPSK	40620	1RB#49	26.69	27.47	33	PASS
Band41	20MHz	QPSK	40620	1RB#99	26.36	27.14	33	PASS
Band41	20MHz	QPSK	40620	100RB#0	26.13	26.91	33	PASS
Band41	20MHz	QPSK	41490	1RB#0	26.65	27.43	33	PASS
Band41	20MHz	QPSK	41490	1RB#49	26.37	27.15	33	PASS
Band41	20MHz	QPSK	41490	1RB#99	26.38	27.16	33	PASS
Band41	20MHz	QPSK	41490	100RB#0	26.15	26.93	33	PASS
Band41	20MHz	16QAM	39750	1RB#0	26.1	26.88	33	PASS
Band41	20MHz	16QAM	39750	1RB#49	26.31	27.09	33	PASS
Band41	20MHz	16QAM	39750	1RB#99	26.3	27.08	33	PASS



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Band41	20MHz	16QAM	39750	100RB#0	25.23	26.01	33	PASS
Band41	20MHz	16QAM	40620	1RB#0	26.35	27.13	33	PASS
Band41	20MHz	16QAM	40620	1RB#49	26.32	27.1	33	PASS
Band41	20MHz	16QAM	40620	1RB#99	26.25	27.03	33	PASS
Band41	20MHz	16QAM	40620	100RB#0	25.16	25.94	33	PASS
Band41	20MHz	16QAM	41490	1RB#0	25.78	26.56	33	PASS
Band41	20MHz	16QAM	41490	1RB#49	26.36	27.14	33	PASS
Band41	20MHz	16QAM	41490	1RB#99	26.21	26.99	33	PASS
Band41	20MHz	16QAM	41490	100RB#0	25.18	25.96	33	PASS
Band41	20MHz	64QAM	39750	1RB#0	25.4	26.18	33	PASS
Band41	20MHz	64QAM	39750	1RB#49	25.5	26.28	33	PASS
Band41	20MHz	64QAM	39750	1RB#99	25.5	26.28	33	PASS
Band41	20MHz	64QAM	39750	100RB#0	24.27	25.05	33	PASS
Band41	20MHz	64QAM	40620	1RB#0	25.52	26.3	33	PASS
Band41	20MHz	64QAM	40620	1RB#49	25.44	26.22	33	PASS
Band41	20MHz	64QAM	40620	1RB#99	25.33	26.11	33	PASS
Band41	20MHz	64QAM	40620	100RB#0	24.19	24.97	33	PASS
Band41	20MHz	64QAM	41490	1RB#0	24.86	25.64	33	PASS
Band41	20MHz	64QAM	41490	1RB#49	25.55	26.33	33	PASS
Band41	20MHz	64QAM	41490	1RB#99	25.41	26.19	33	PASS
Band41	20MHz	64QAM	41490	100RB#0	24.19	24.97	33	PASS
Band41	20MHz	256QAM	39750	1RB#0	22.28	23.06	33	PASS
Band41	20MHz	256QAM	39750	1RB#49	22.33	23.11	33	PASS
Band41	20MHz	256QAM	39750	1RB#99	22.32	23.1	33	PASS
Band41	20MHz	256QAM	39750	100RB#0	22.27	23.05	33	PASS
Band41	20MHz	256QAM	40620	1RB#0	22.34	23.12	33	PASS
Band41	20MHz	256QAM	40620	1RB#49	22.38	23.16	33	PASS
Band41	20MHz	256QAM	40620	1RB#99	22.12	22.9	33	PASS
Band41	20MHz	256QAM	40620	100RB#0	22.18	22.96	33	PASS
Band41	20MHz	256QAM	41490	1RB#0	21.82	22.6	33	PASS
Band41	20MHz	256QAM	41490	1RB#49	22.3	23.08	33	PASS
Band41	20MHz	256QAM	41490	1RB#99	22.35	23.13	33	PASS
Band41	20MHz	256QAM	41490	100RB#0	22.19	22.97	33	PASS



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## Peak-to-Average Ratio(CCDF)

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	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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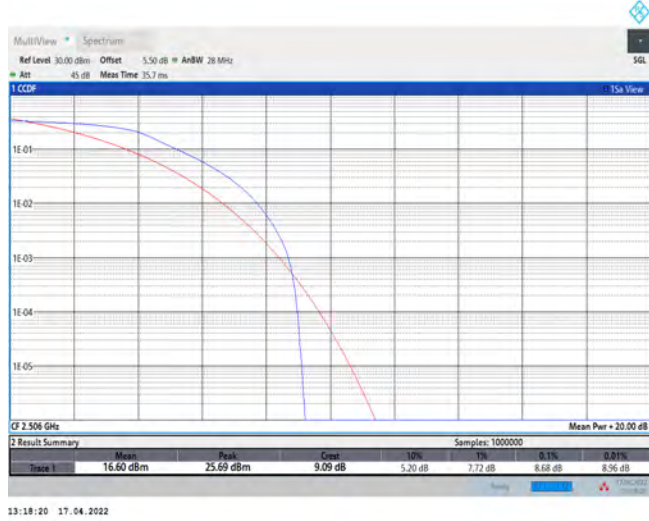
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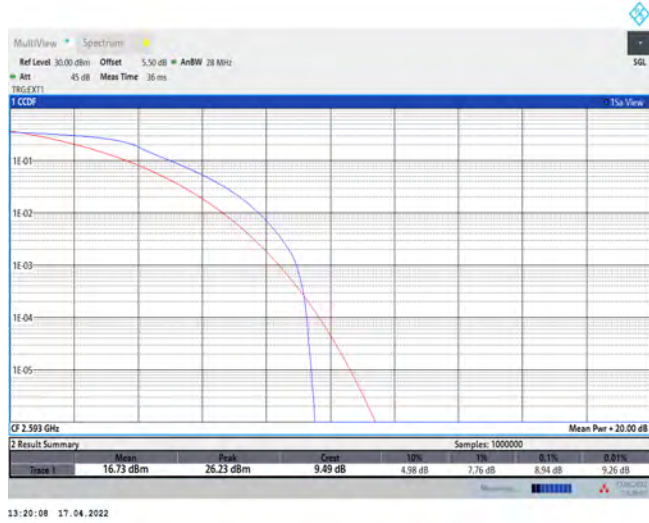
Test Graphs

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



13:18:20 17.04.2022

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



13:20:08 17.04.2022

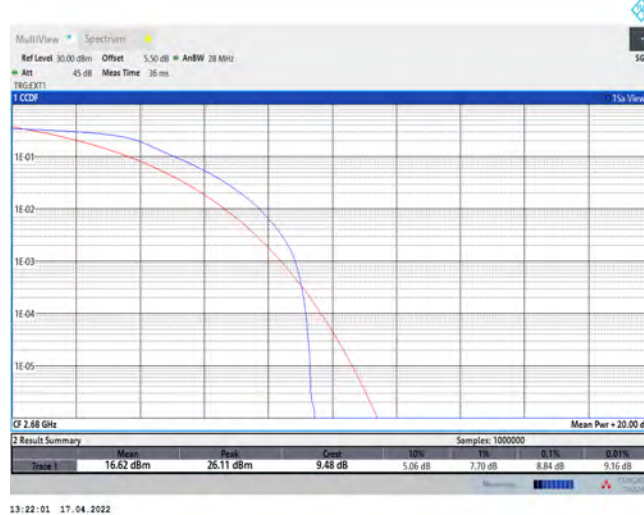


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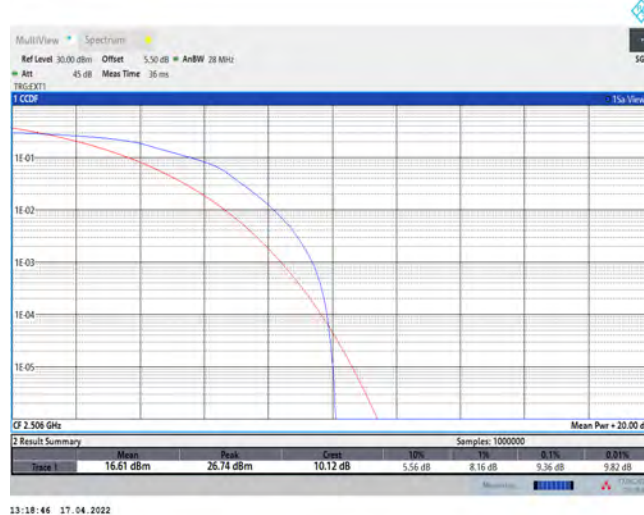
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Band41-20MHz-QPSK-41490-100RB#0



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



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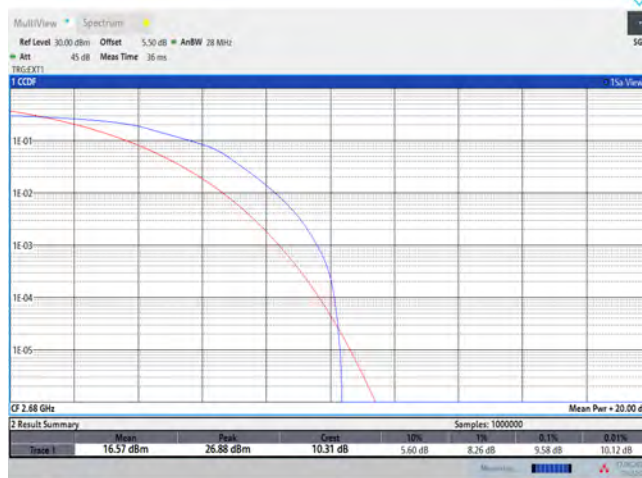
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Band41-20MHz-16QAM-40620-100RB#0



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



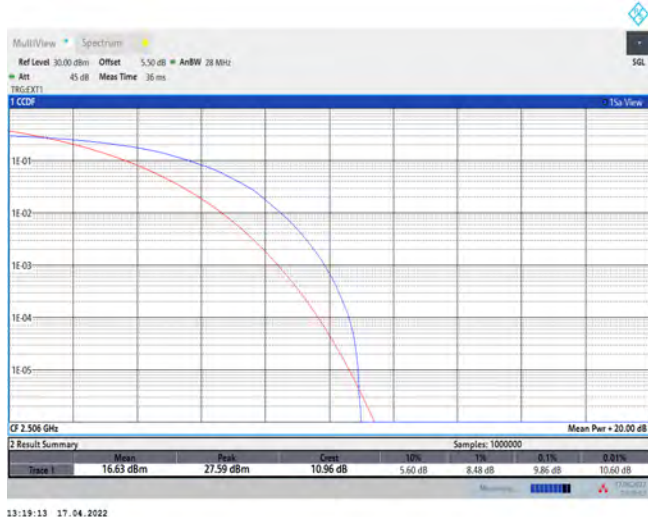
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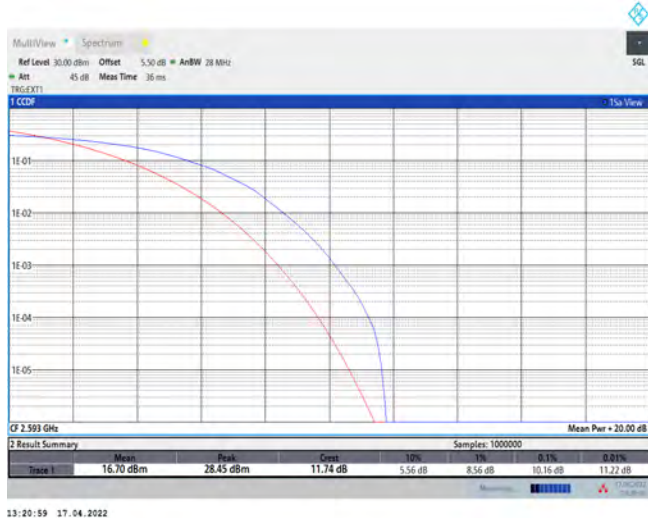
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Band41-20MHz-64QAM-39750-100RB#0



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



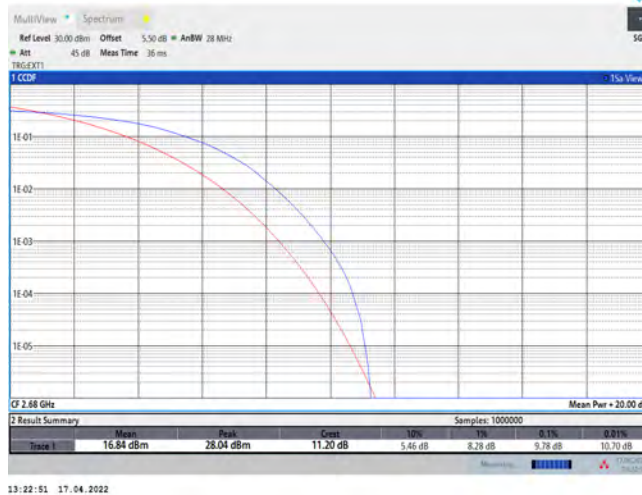
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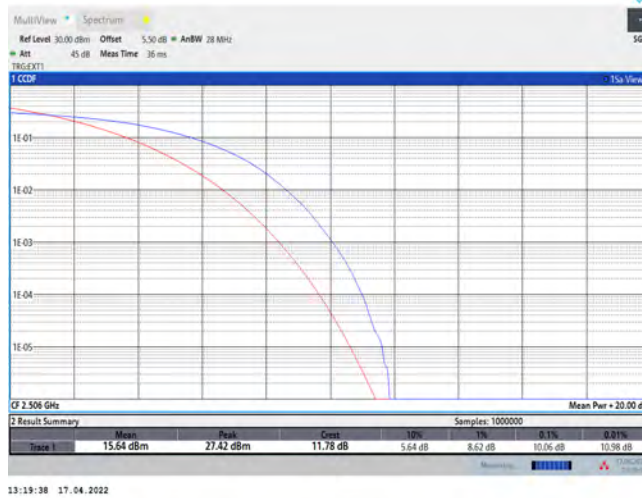
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Band41-20MHz-64QAM-41490-100RB#0



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



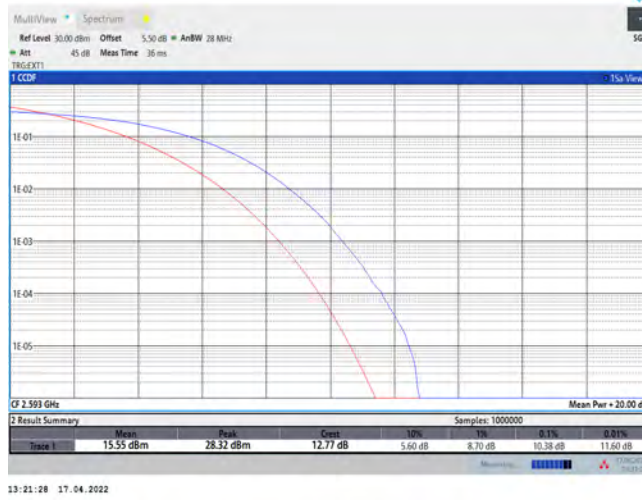
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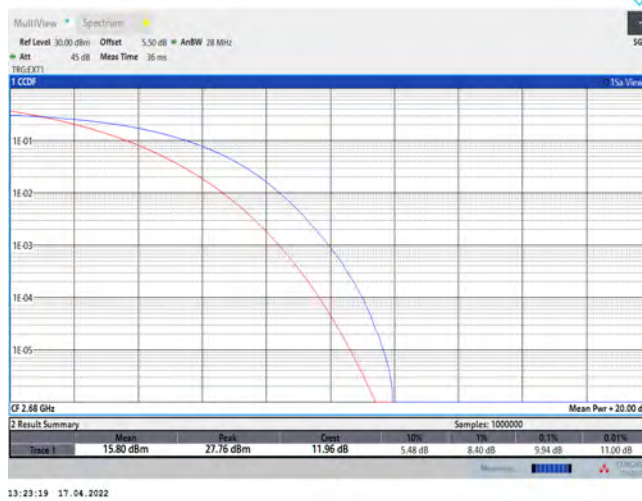
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Band41-20MHz-256QAM-40620-100RB#0



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



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## Modulation Characteristics

### Test Result

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



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Test Graphs



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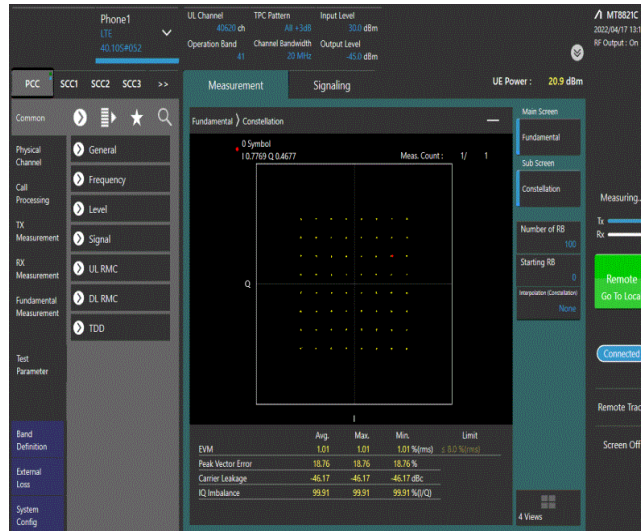
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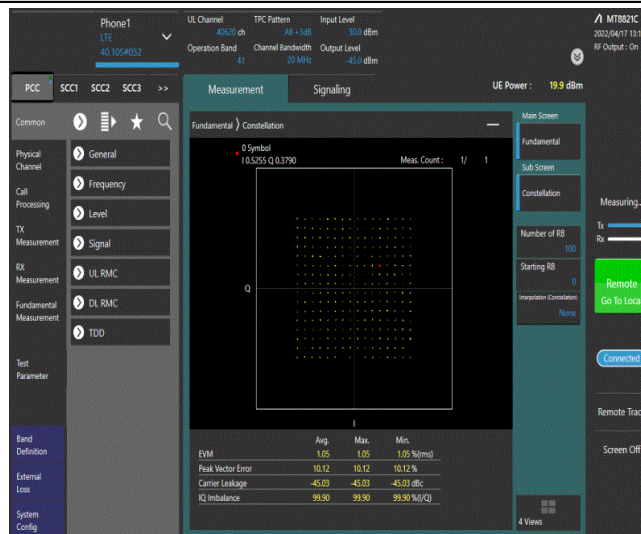
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Band41-20MHz-64QAM-40620-100RB#0



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## 26dB Bandwidth and Occupied Bandwidth

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.477	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
Band41	15MHz	16QAM	41515	75RB#0	13.479	15.87	PASS



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Rev.: 01

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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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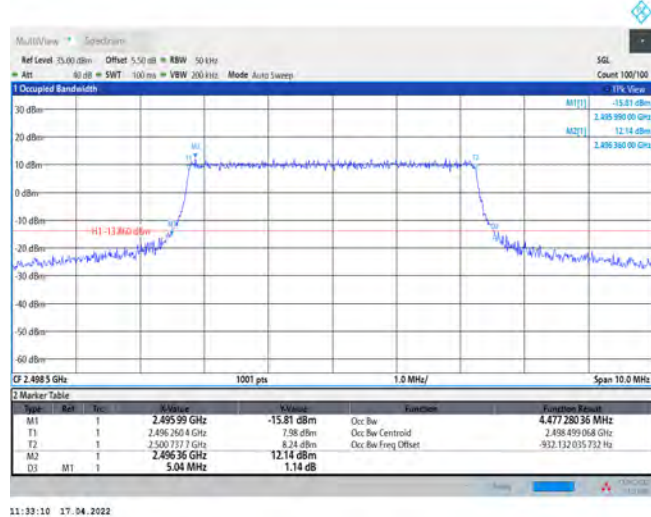
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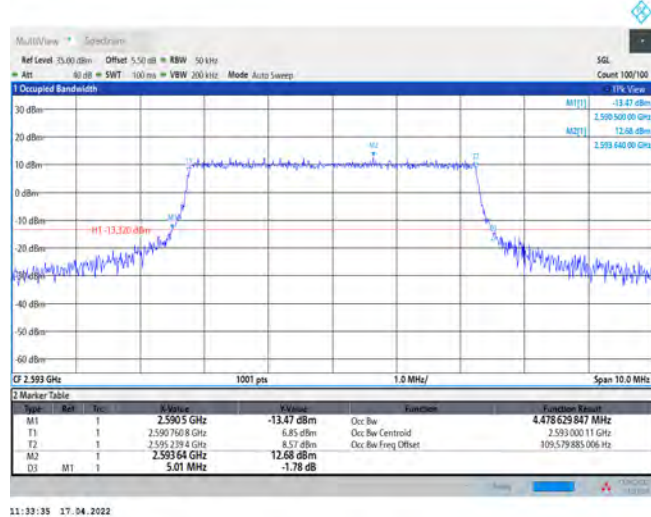
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Test Graphs

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



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



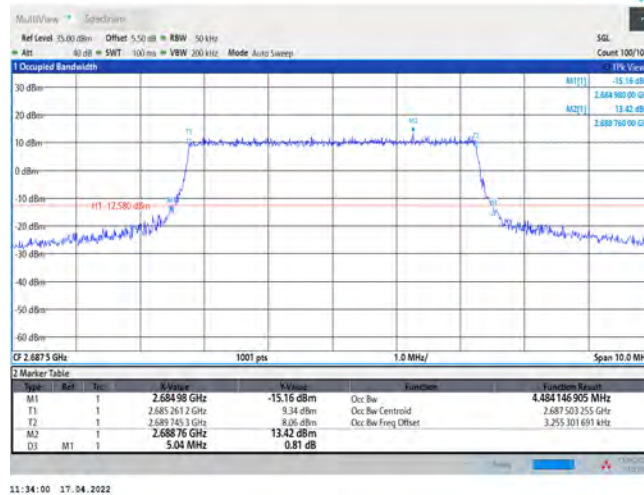
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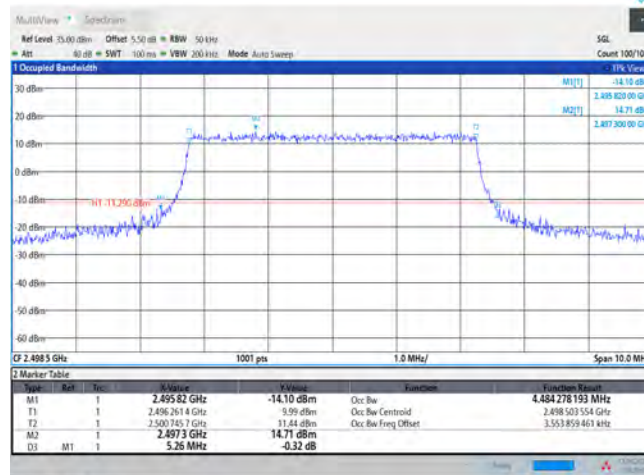


Band41-5MHz-QPSK-41565-25RB#0



11:34:00 17.04.2022

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



00:29:02 17.04.2022

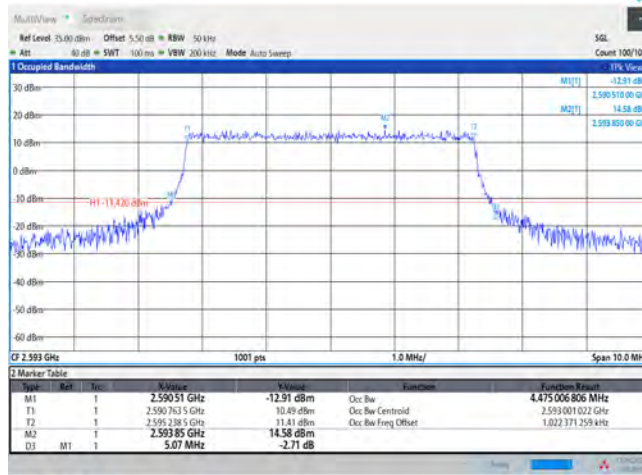


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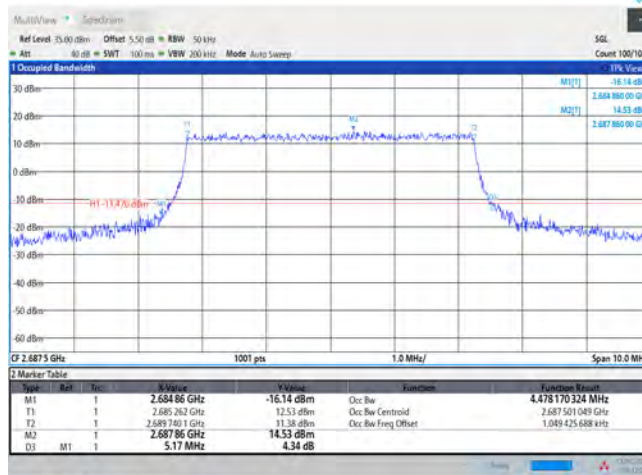
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Band41-5MHz-16QAM-40620-25RB#0



00:30:45 17.04.2022

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



00:32:30 17.04.2022

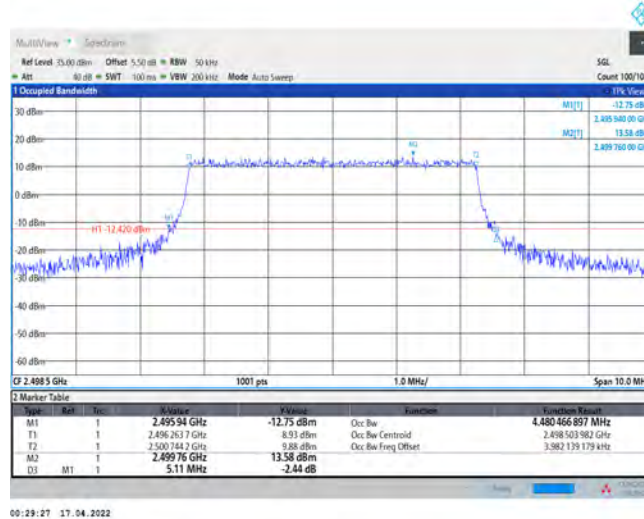


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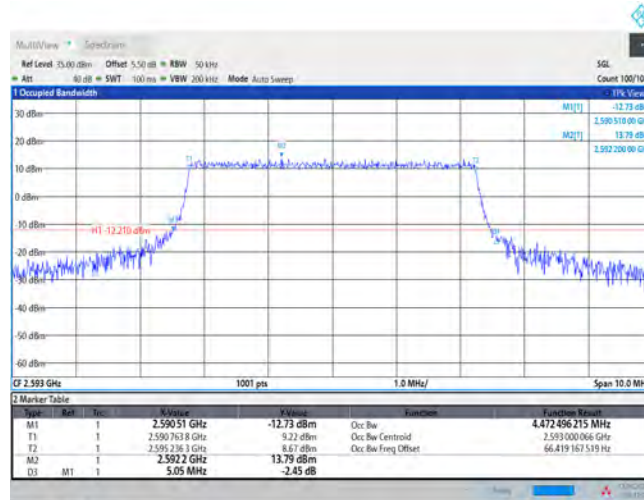
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Band41-5MHz-64QAM-39675-25RB#0



00:29:27 17.04.2022

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



00:31:10 17.04.2022



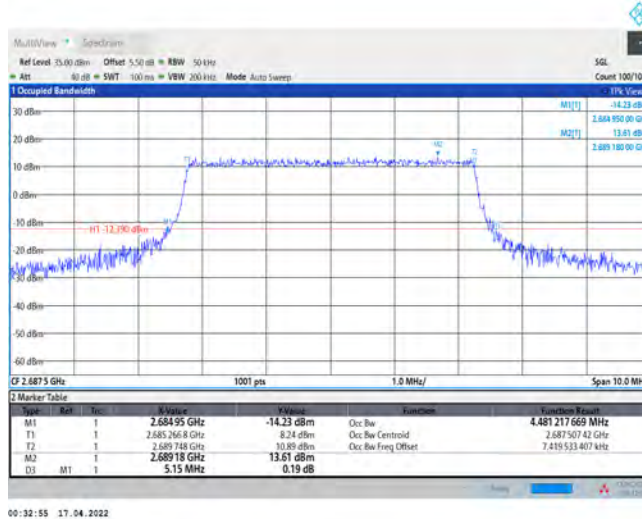
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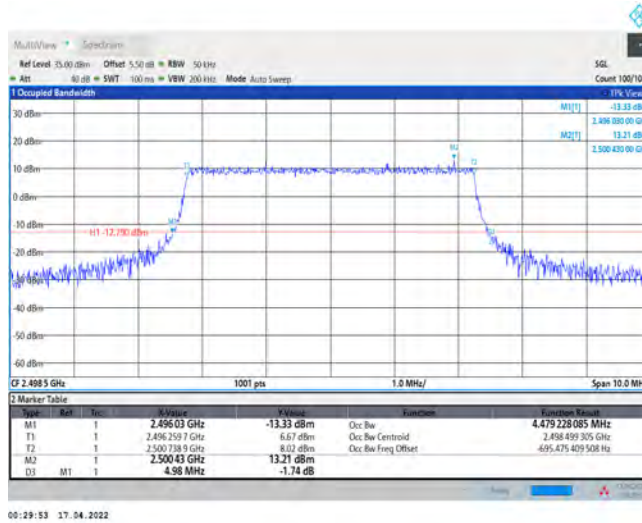
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Band41-5MHz-64QAM-41565-25RB#0



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



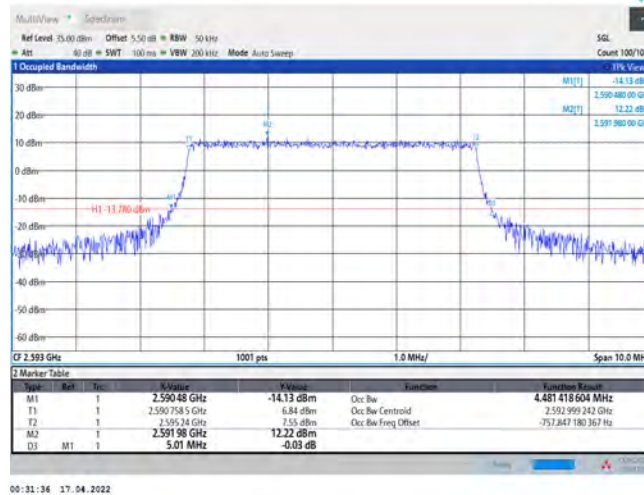
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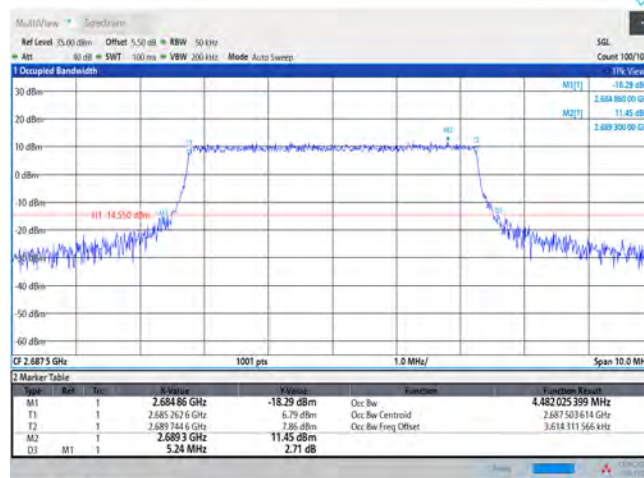


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Band41-5MHz-256QAM-41565-25RB#0



00:33:21 17.04.2022

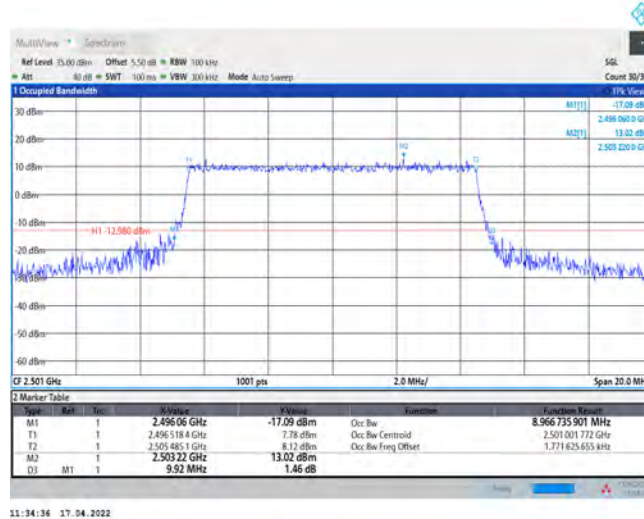


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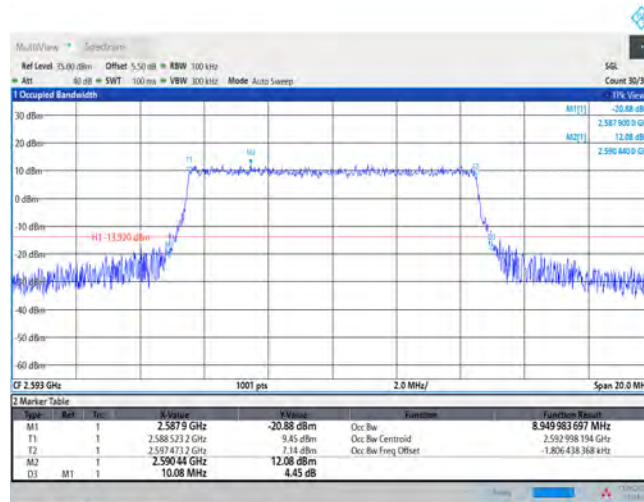
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Band41-10MHz-QPSK-39700-50RB#0



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



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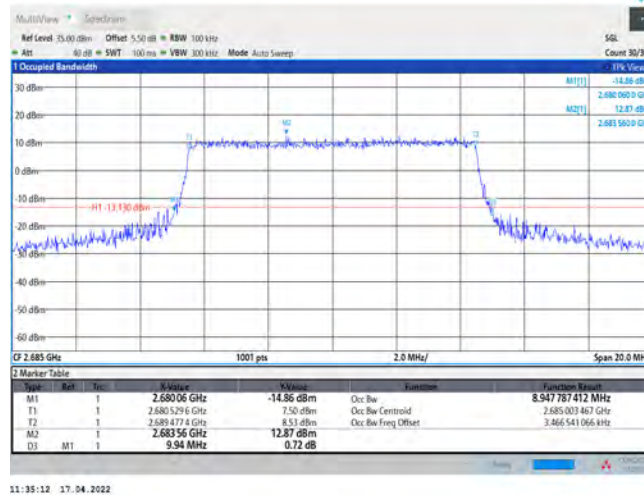


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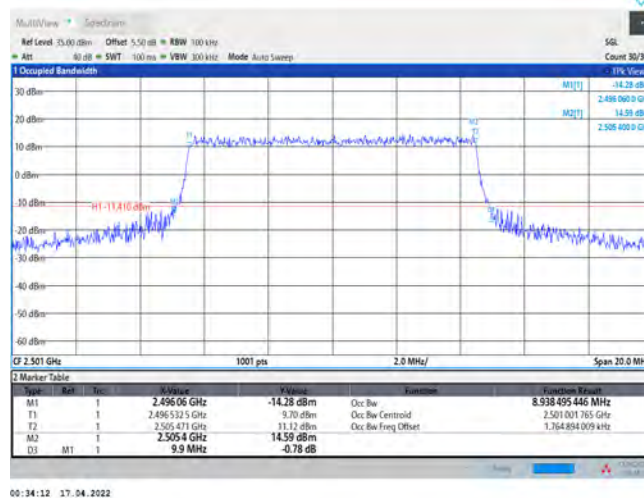
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Band41-10MHz-QPSK-41540-50RB#0



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



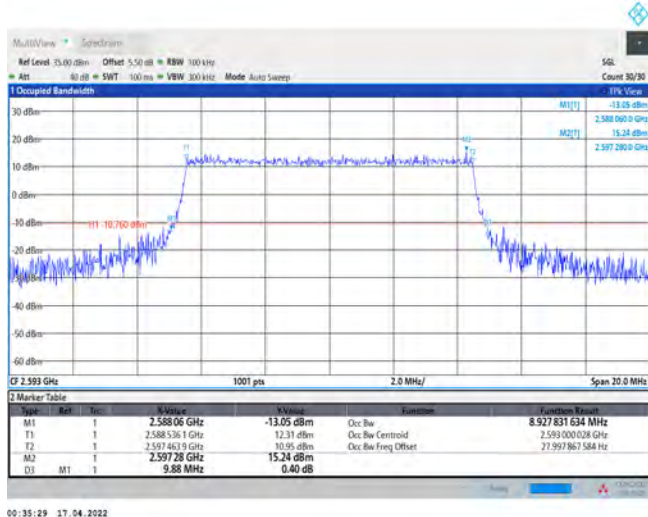
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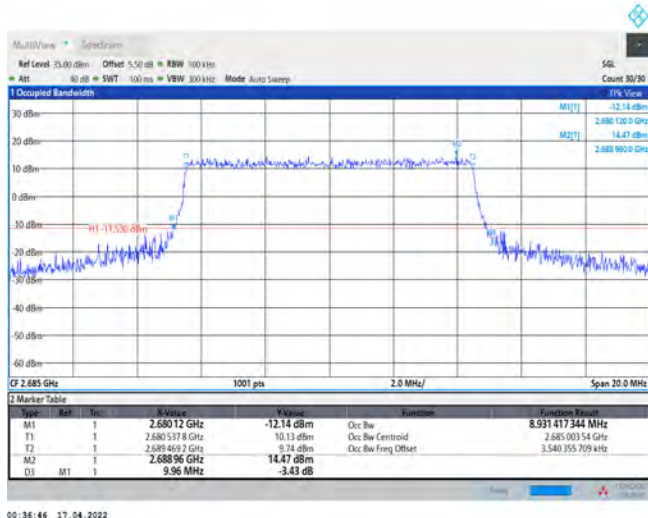
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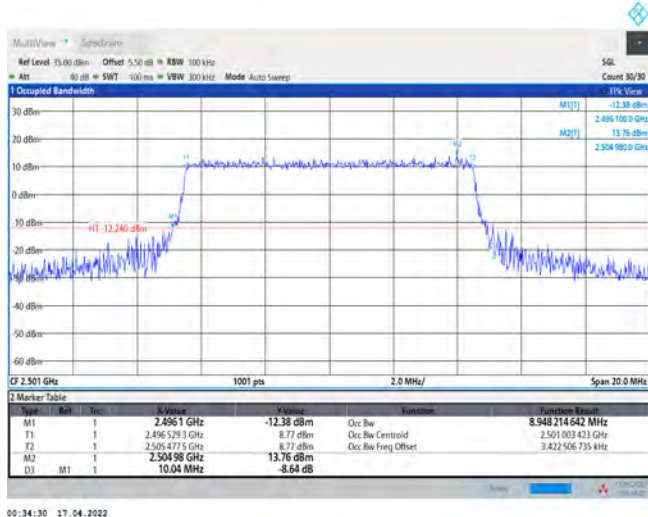
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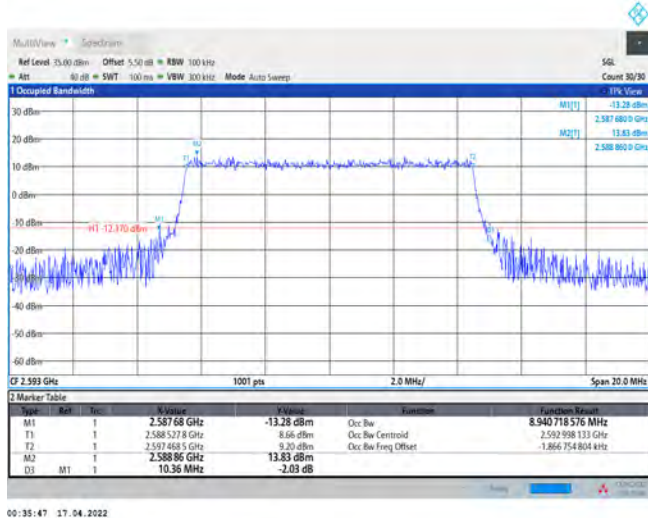
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Band41-10MHz-64QAM-39700-50RB#0

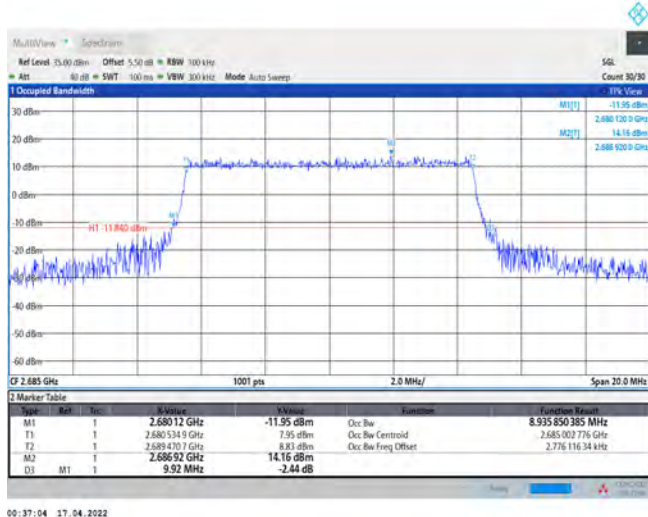


Band41-10MHz-64QAM-40620-50RB#0



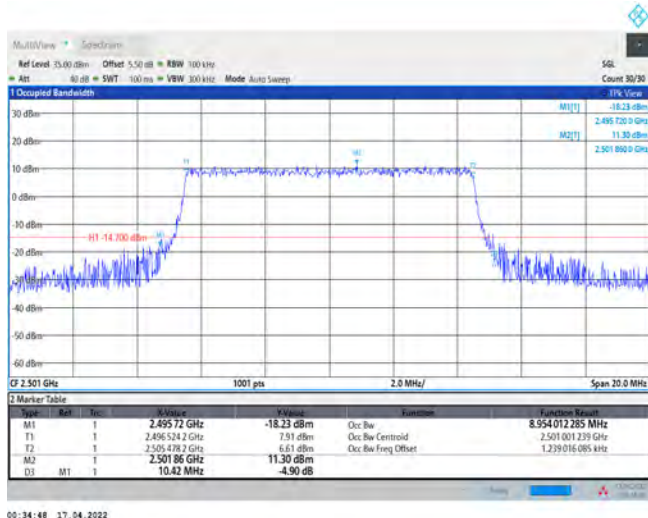
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Band41-10MHz-64QAM-41540-50RB#0



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

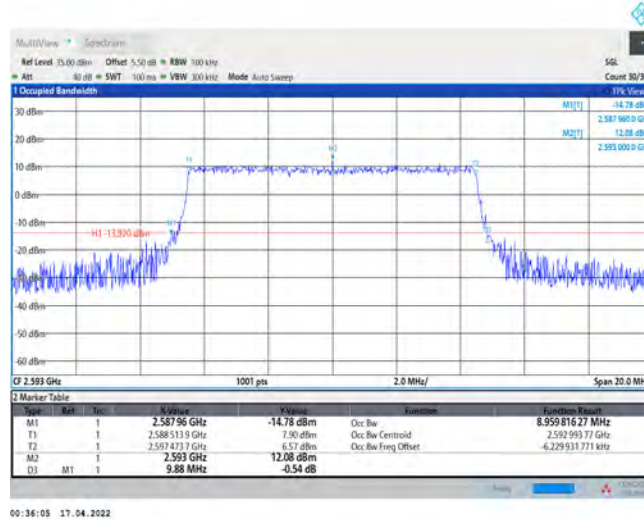


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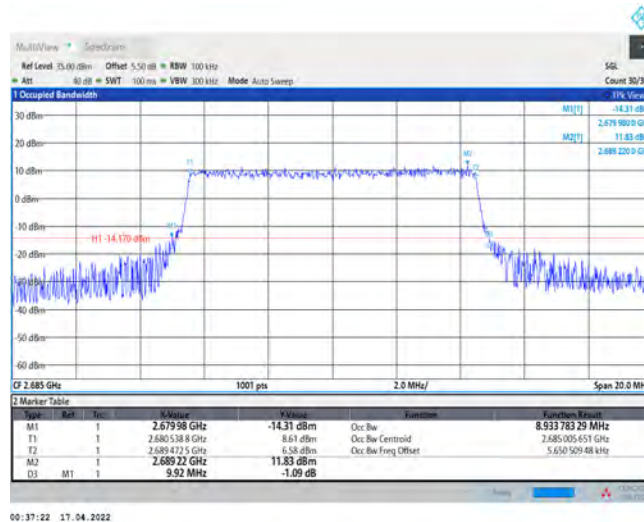


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Band41-10MHz-256QAM-40620-50RB#0



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



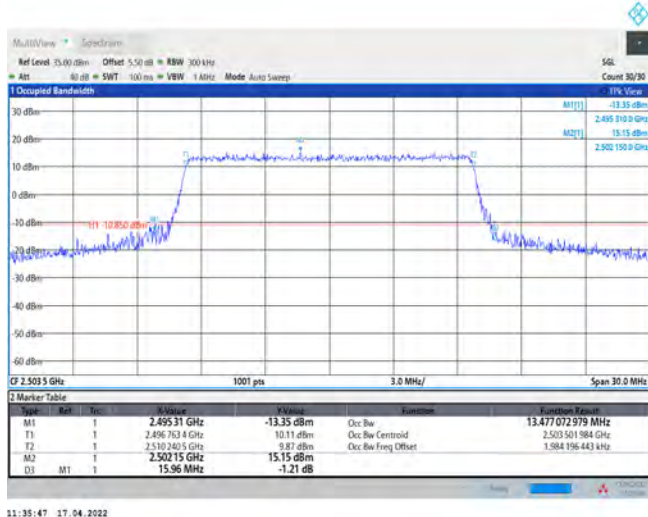
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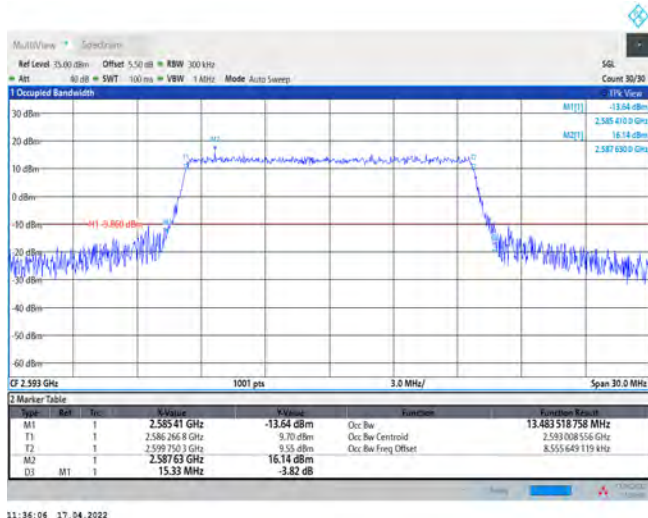


Band41-15MHz-QPSK-39725-75RB#0



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



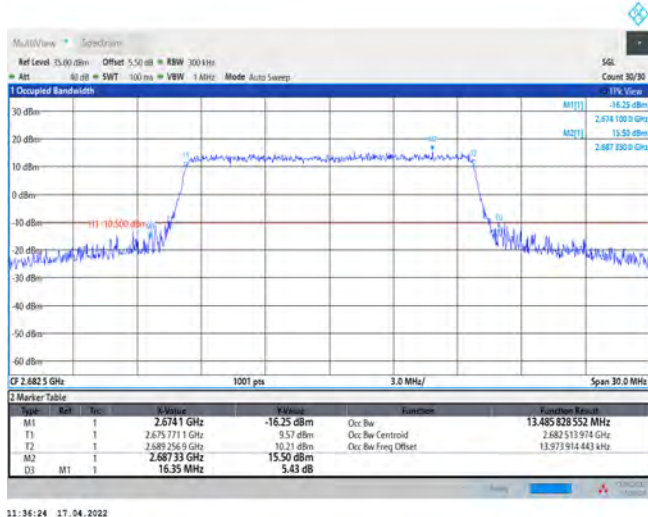
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Band41-15MHz-QPSK-41515-75RB#0



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

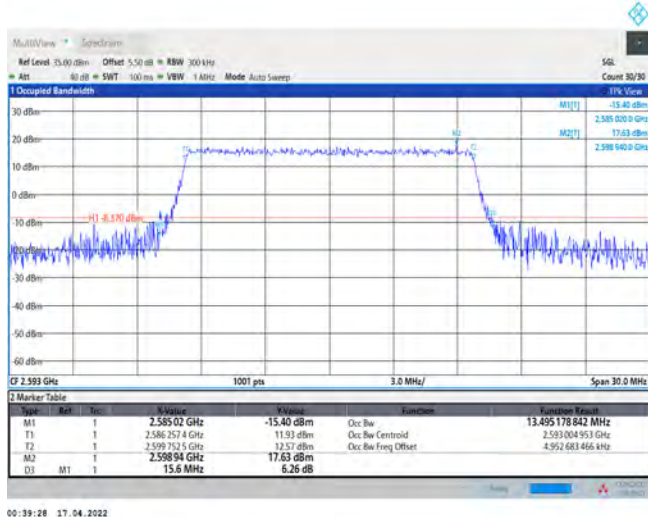


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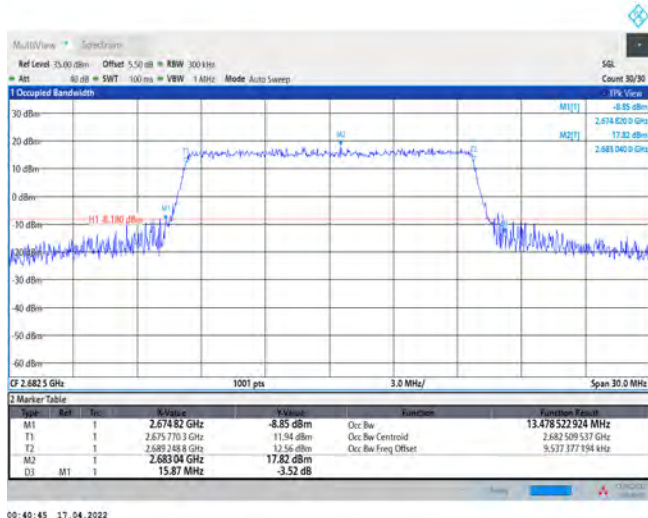
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Band41-15MHz-16QAM-40620-75RB#0



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

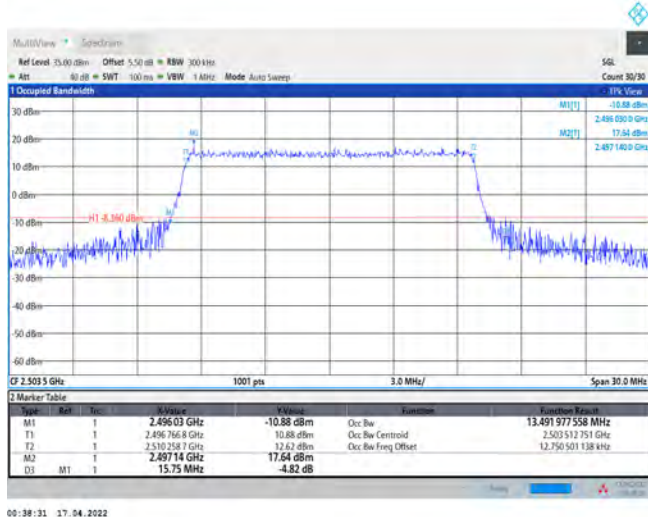


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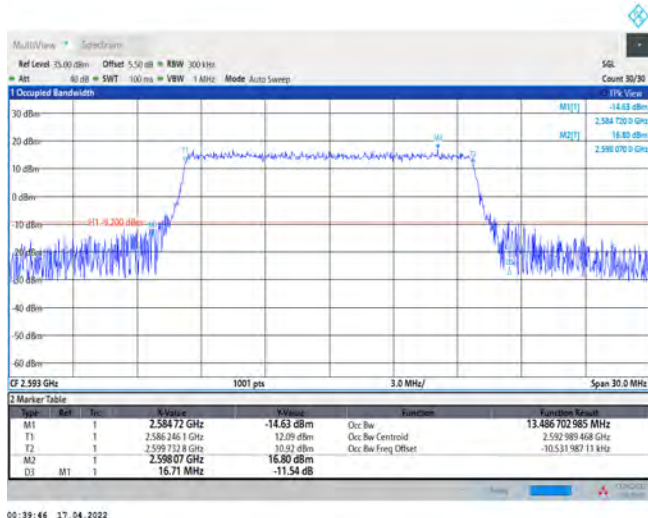
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Band41-15MHz-64QAM-39725-75RB#0



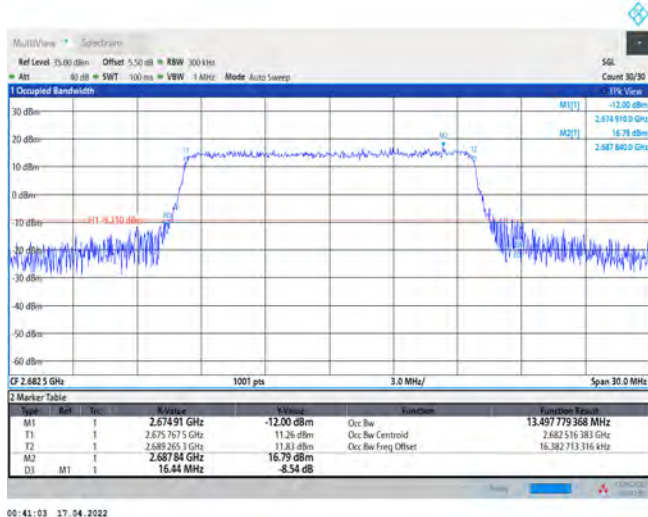
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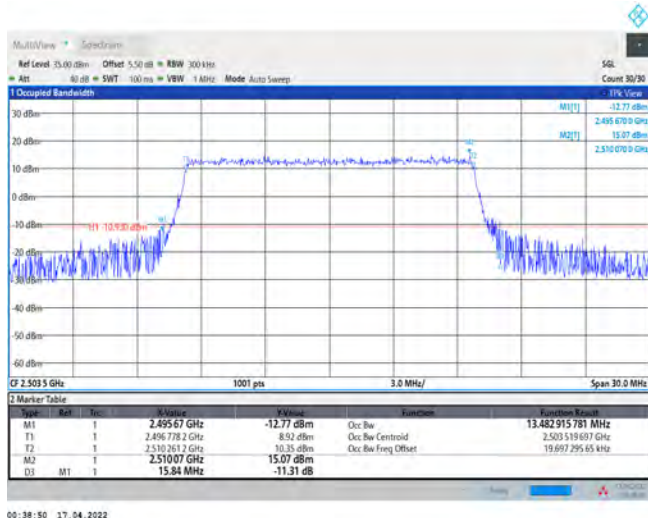
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Band41-15MHz-64QAM-41515-75RB#0



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



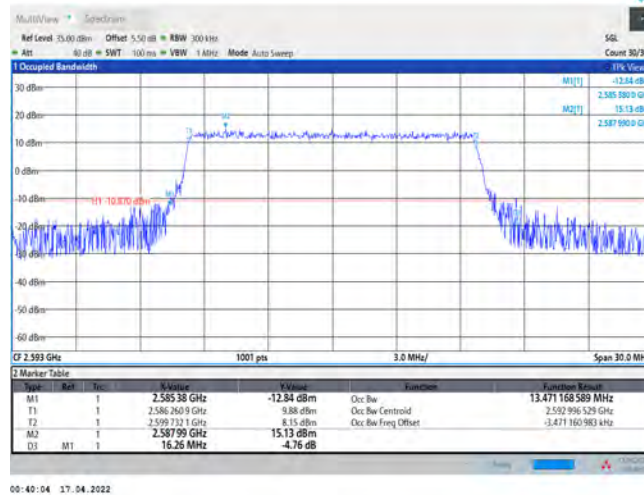
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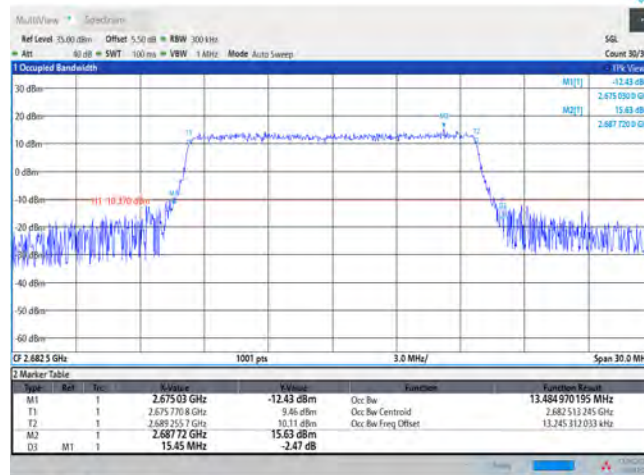


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Band41-15MHz-256QAM-41515-75RB#0



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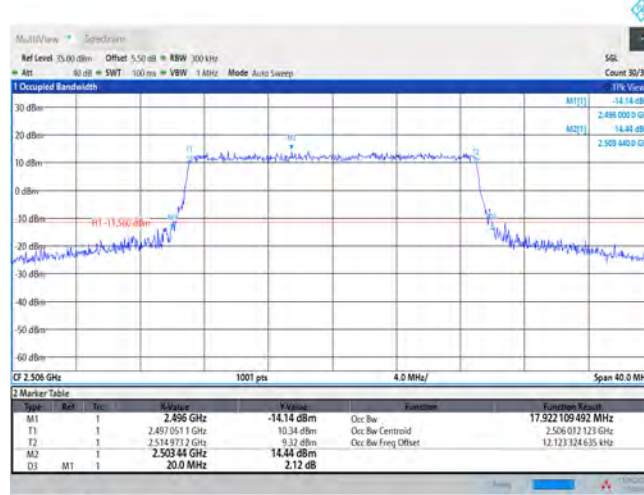


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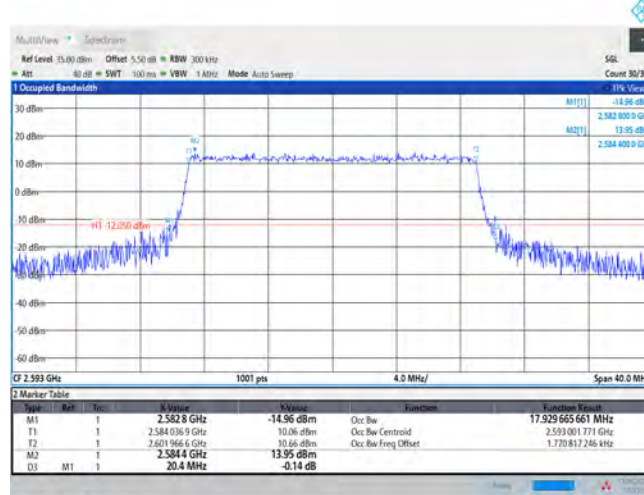
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Band41-20MHz-QPSK-39750-100RB#0



11:36:59 17.04.2022

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



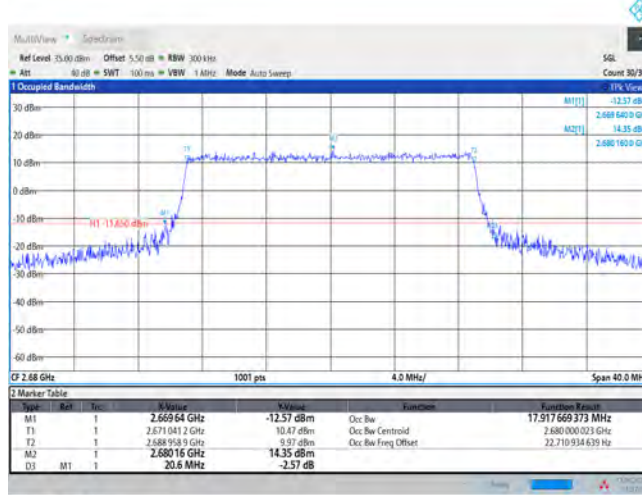
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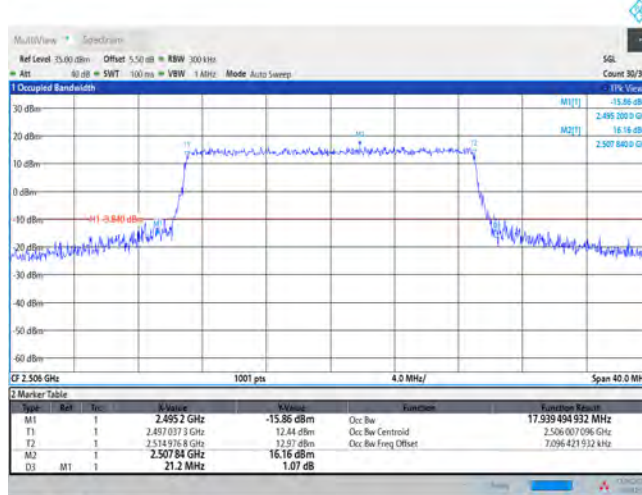
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Band41-20MHz-QPSK-41490-100RB#0



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



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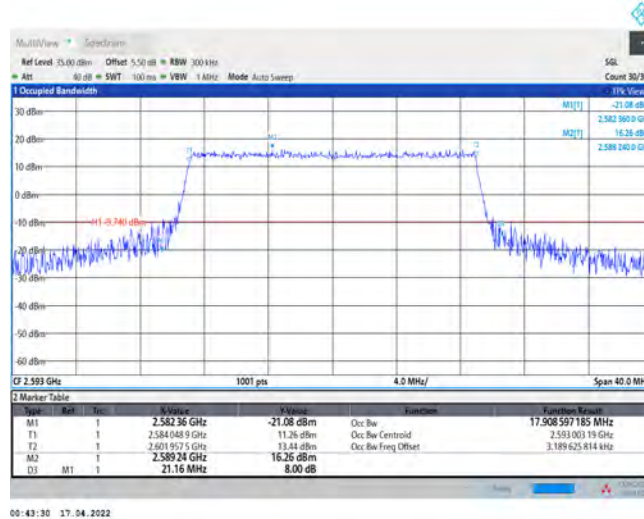
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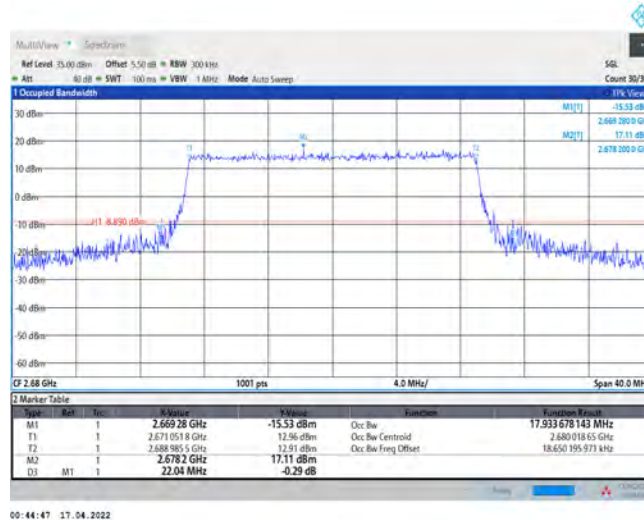


Band41-20MHz-16QAM-40620-100RB#0



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



00:44:47 17.04.2022

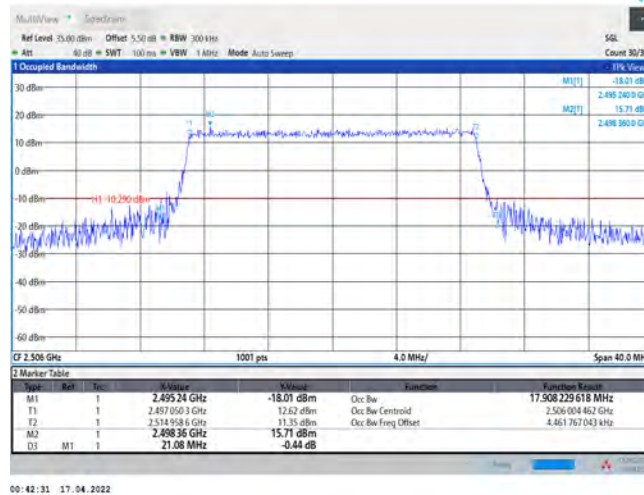


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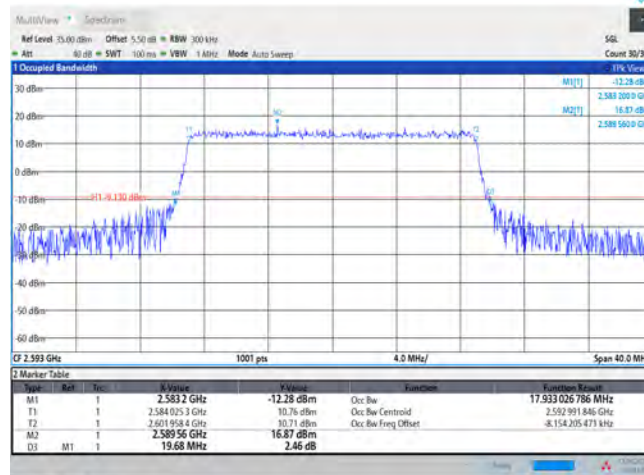
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Band41-20MHz-64QAM-39750-100RB#0



00:42:31 17.04.2022

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



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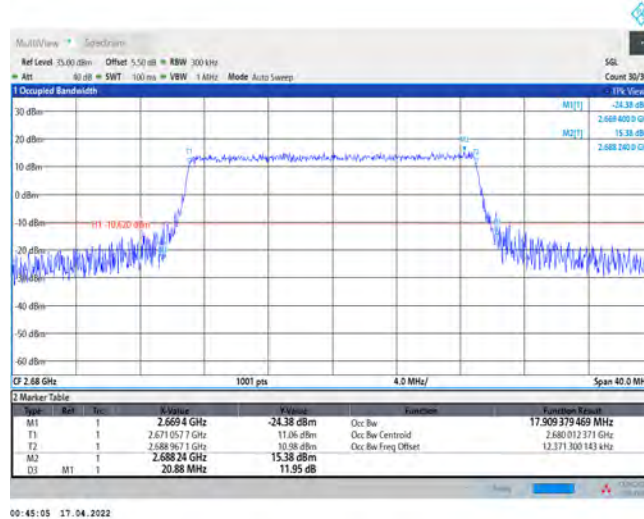


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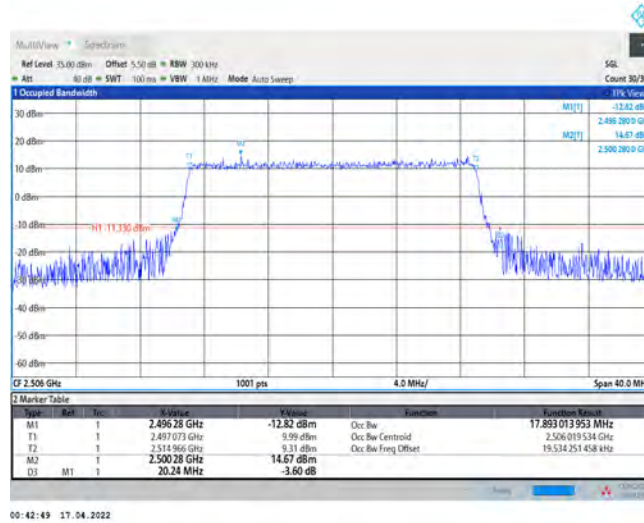
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Band41-20MHz-64QAM-41490-100RB#0



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



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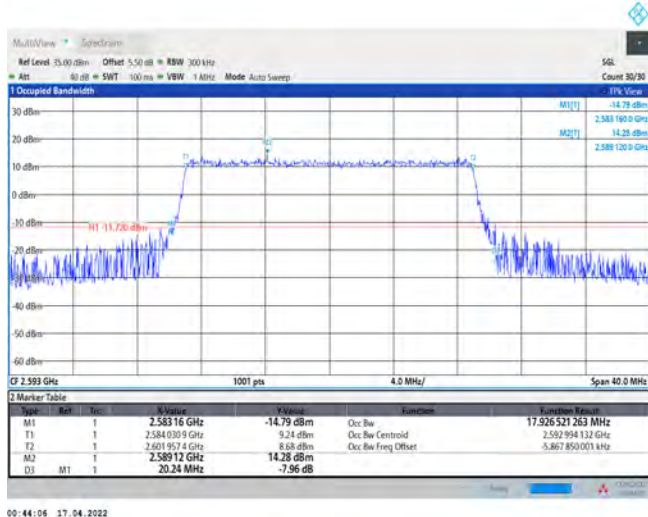
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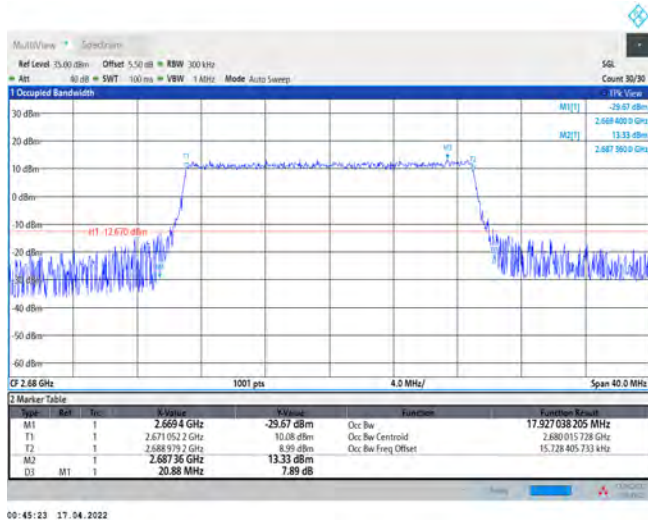
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Band41-20MHz-256QAM-40620-100RB#0



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



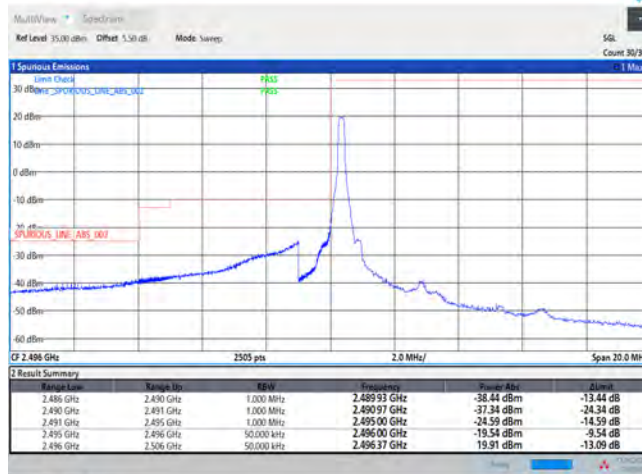
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Band Edge

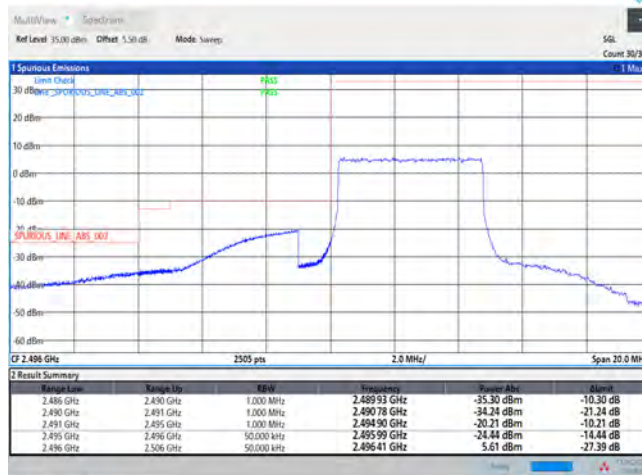
Test Graphs

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



19:05:35 17.04.2022

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



19:08:49 17.04.2022

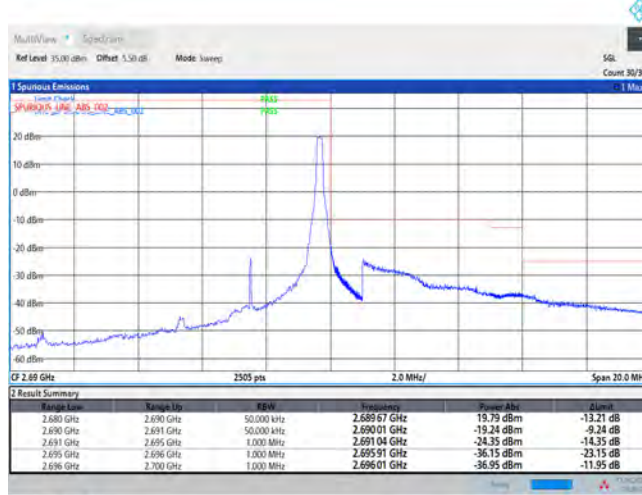


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Band41-5MHz-QPSK-41565-1RB#24



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



19:39:34 17.04.2022



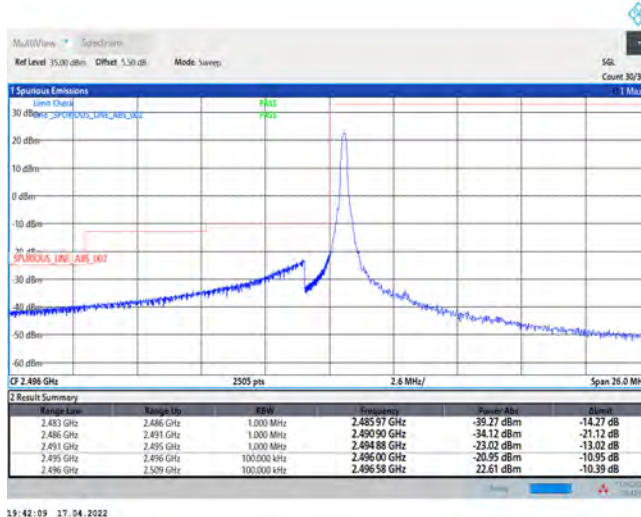
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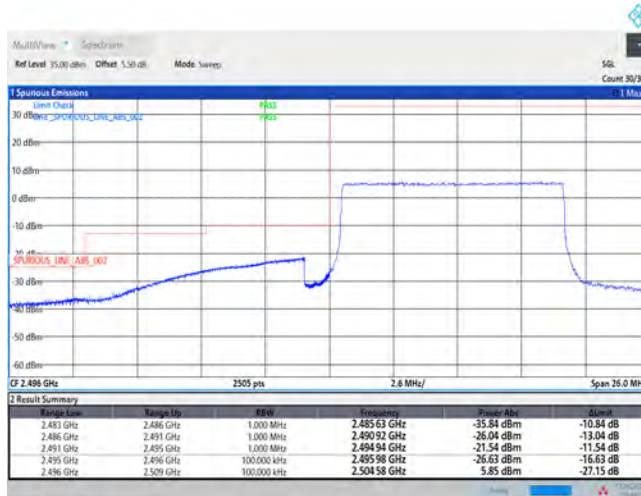


Band41-10MHz-QPSK-39700-1RB#0



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



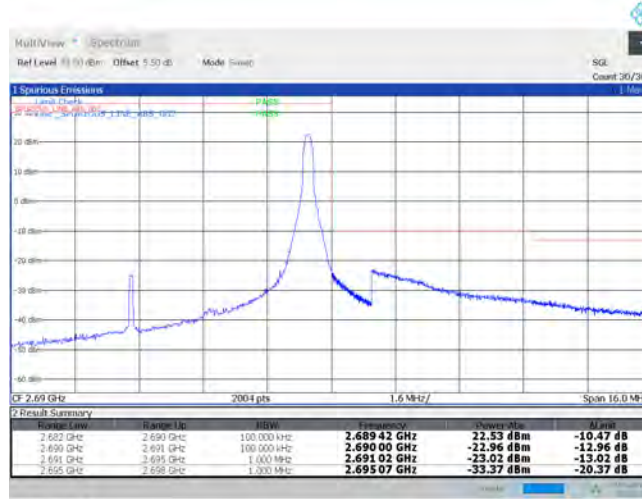
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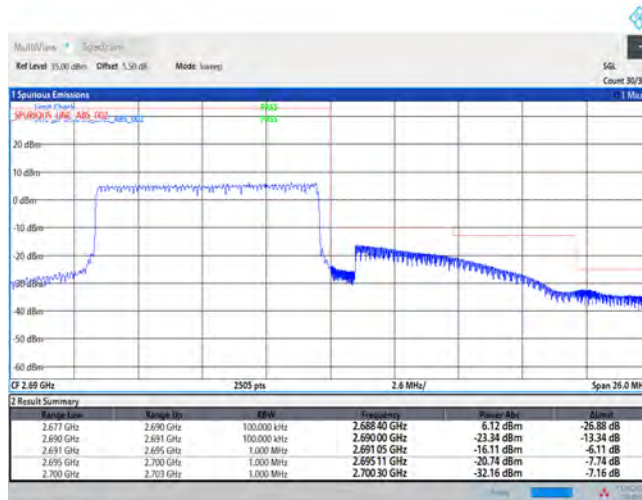
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Band41-10MHz-QPSK-41540-1RB#49



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



13:49:14 17.04.2022

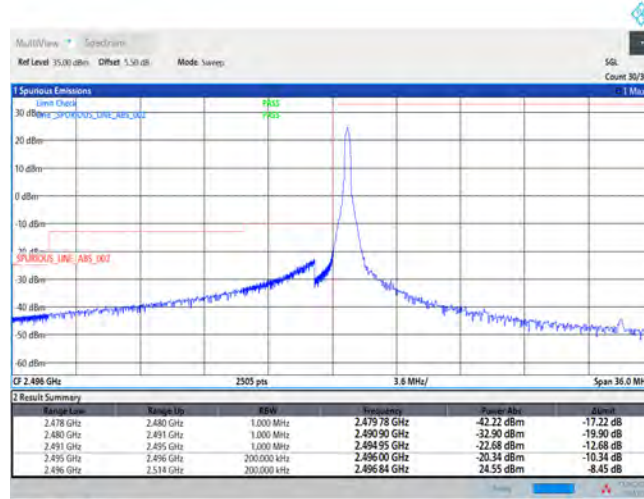


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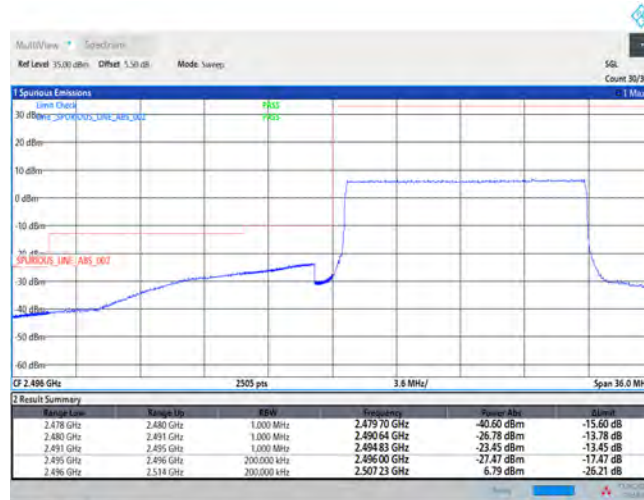
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Band41-15MHz-QPSK-39725-1RB#0



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



19:54:04 17.04.2022



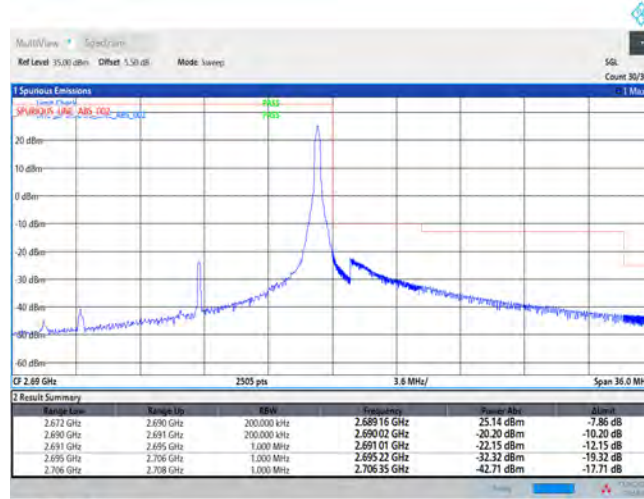
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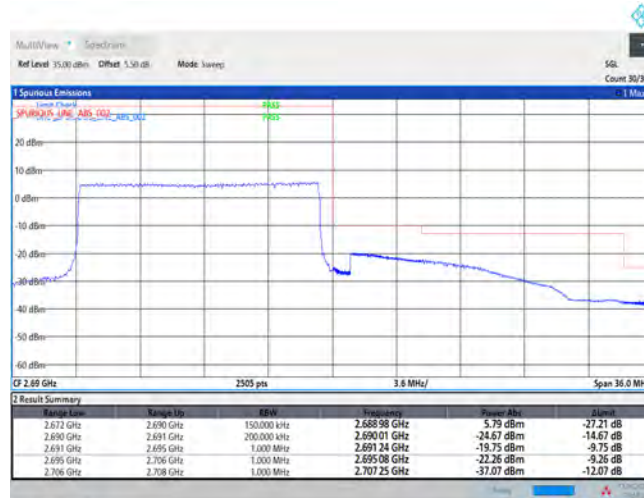


Band41-15MHz-QPSK-41515-1RB#74



19:56:40 17.04.2022

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



19:58:54 17.04.2022

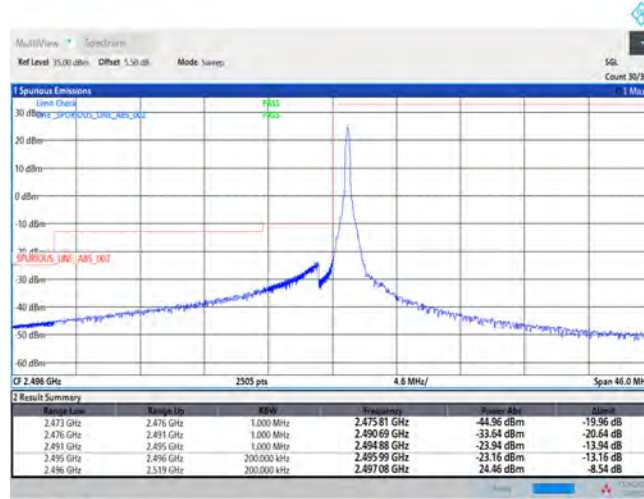


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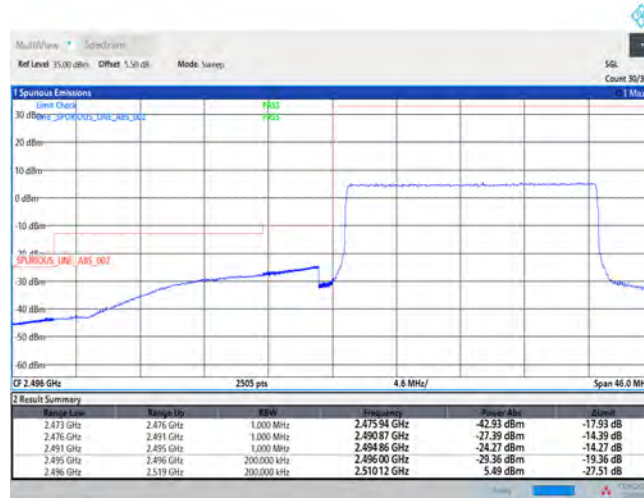
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Band41-20MHz-QPSK-39750-1RB#0



20:01:32 17.04.2022

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



20:03:44 17.04.2022

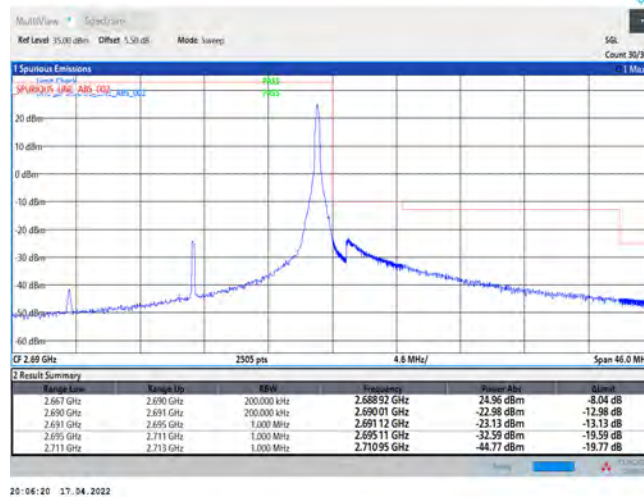


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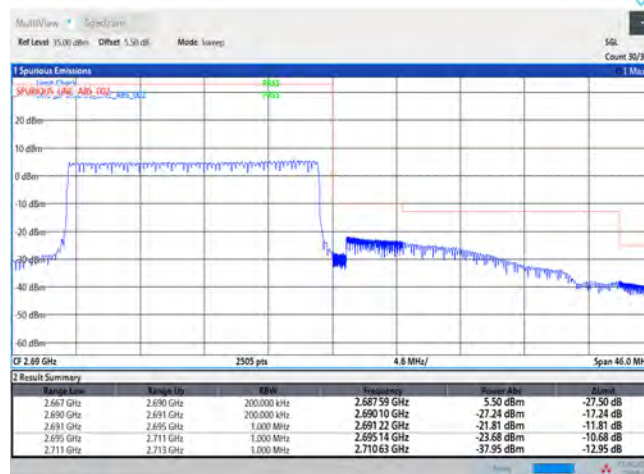
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Band41-20MHz-QPSK-41490-1RB#99



20:06:20 17.04.2022

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



20:08:35 17.04.2022



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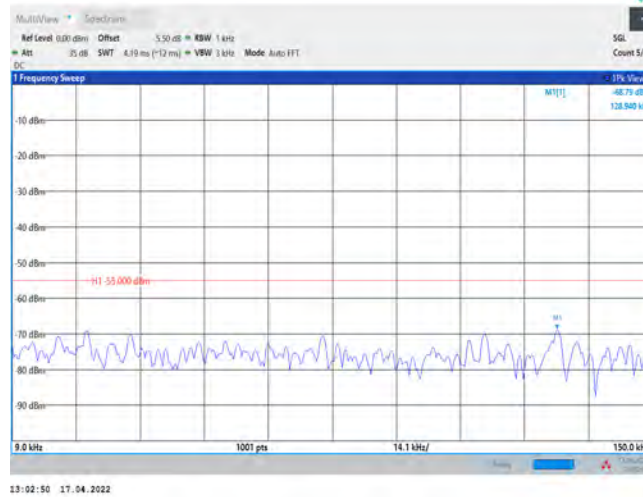
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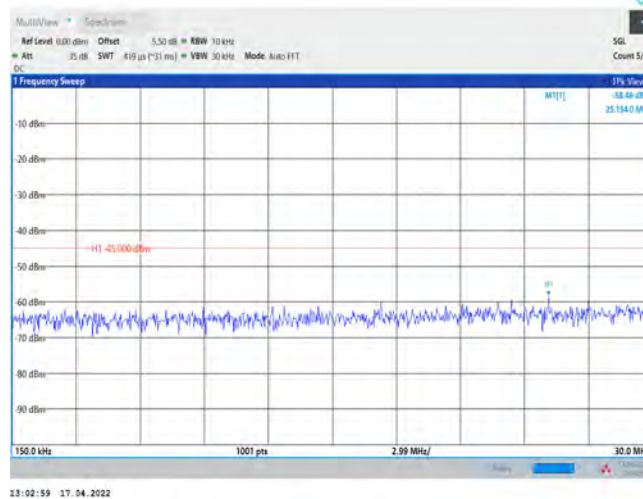
## Conducted Spurious Emission

### Test Graphs

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



Band41-20MHz-QPSK-39750-1RB#0-Range2:0.15~30MHz

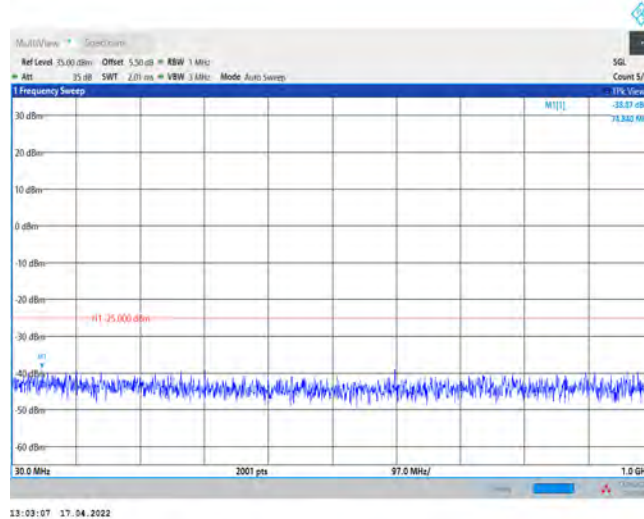


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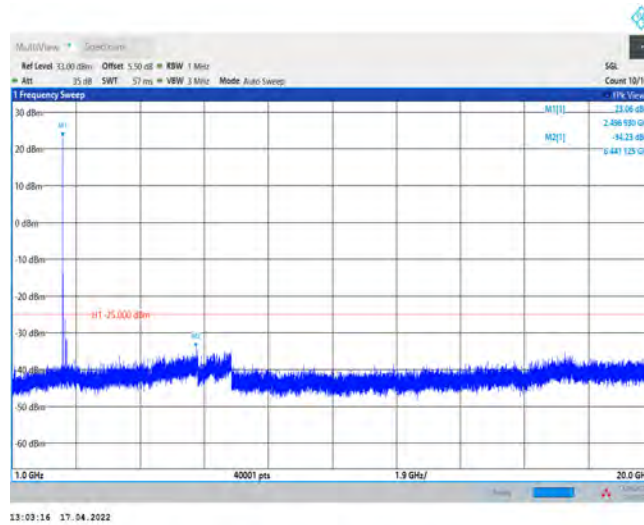
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Band41-20MHz-QPSK-39750-1RB#0-Range3:30~1000MHz



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

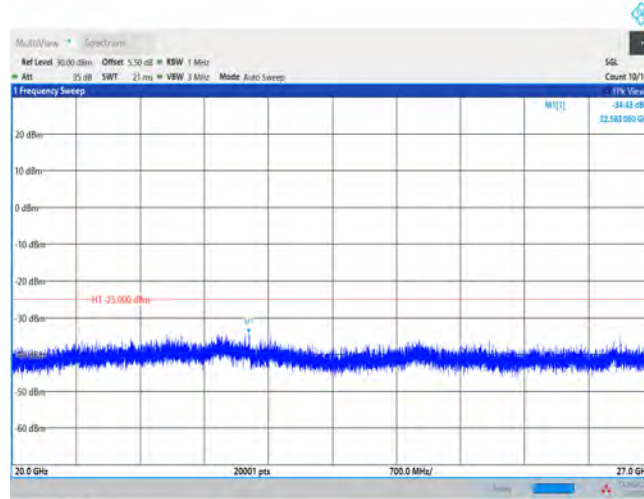


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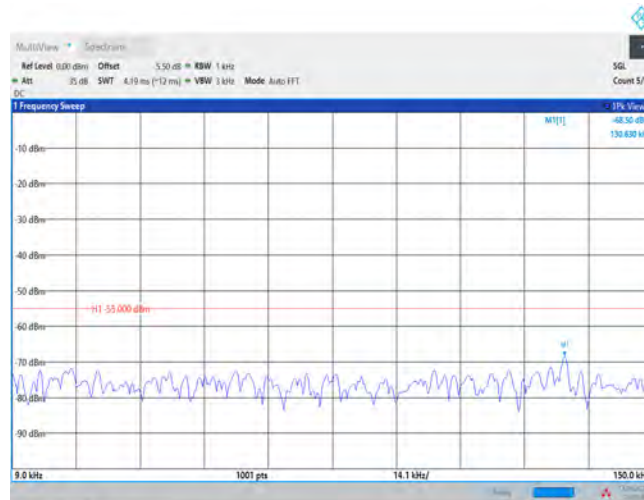
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Band41-20MHz-QPSK-39750-1RB#0-Range5:20000~27000MHz



13:03:25 17.04.2022

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



13:03:44 17.04.2022

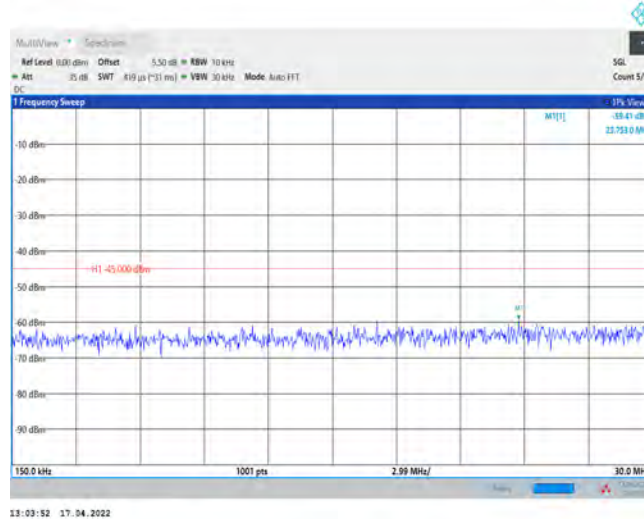


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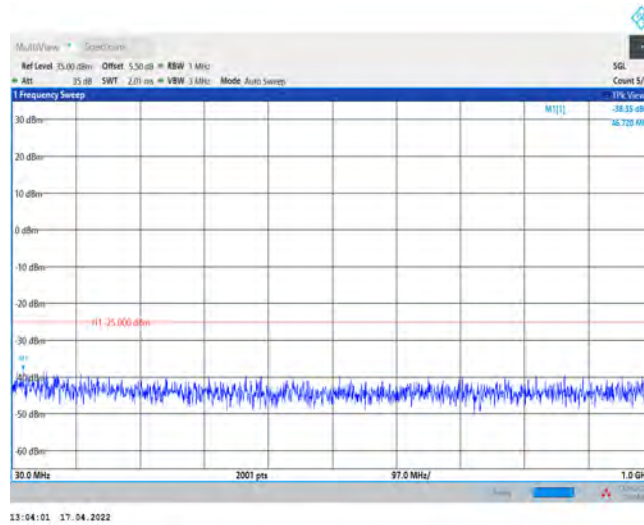
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Band41-20MHz-QPSK-40620-1RB#0-Range2:0.15~30MHz



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

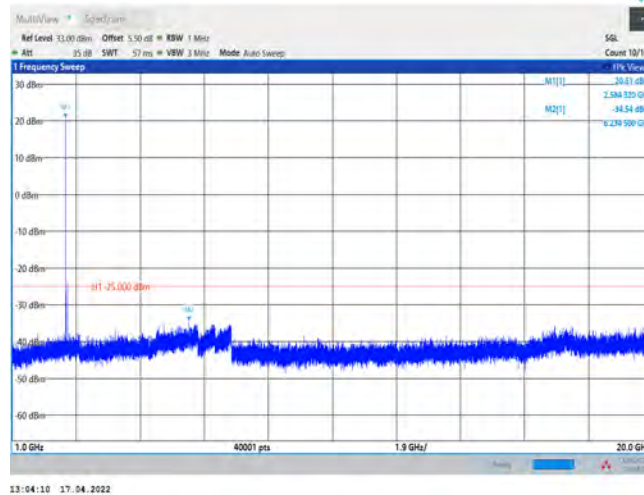


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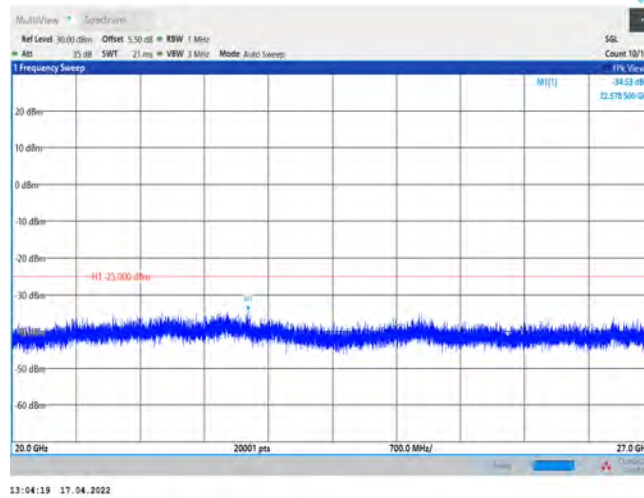
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Band41-20MHz-QPSK-40620-1RB#0-Range4:1000~20000MHz

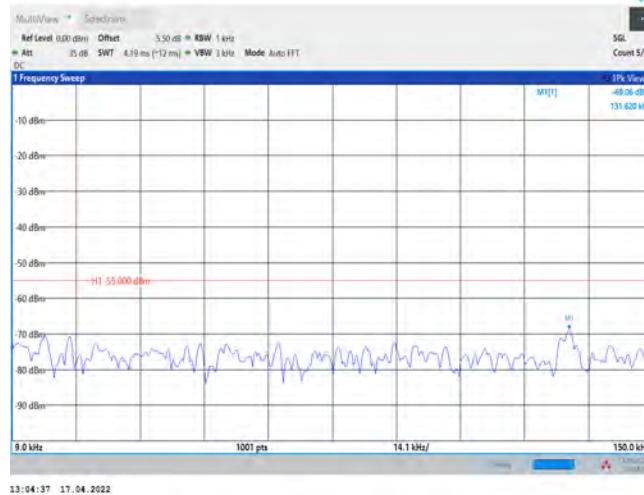


Band41-20MHz-QPSK-40620-1RB#0-Range5:20000~27000MHz



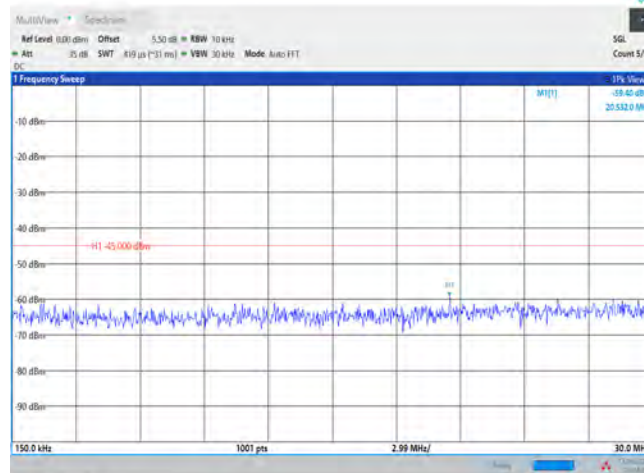
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Band41-20MHz-QPSK-41490-1RB#0-Range1:0.009~0.15MHz



13:04:37 17.04.2022

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



13:04:45 17.04.2022



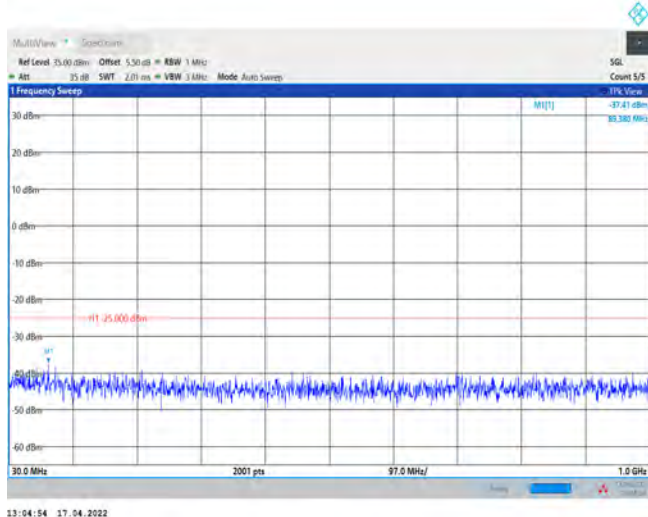
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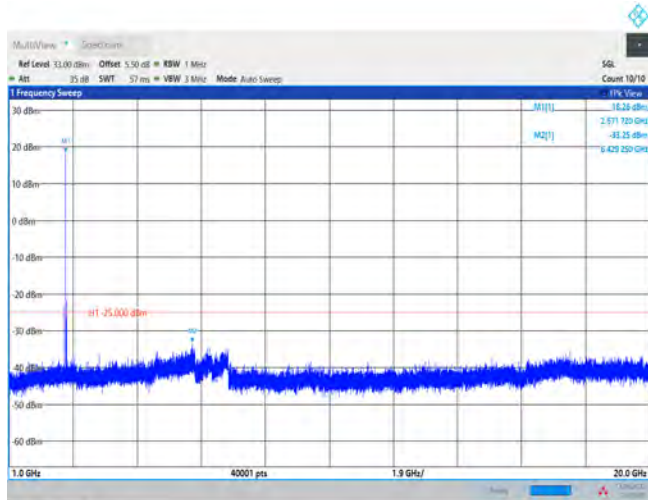


Band41-20MHz-QPSK-41490-1RB#0-Range3:30~1000MHz



13:04:54 17.04.2022

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

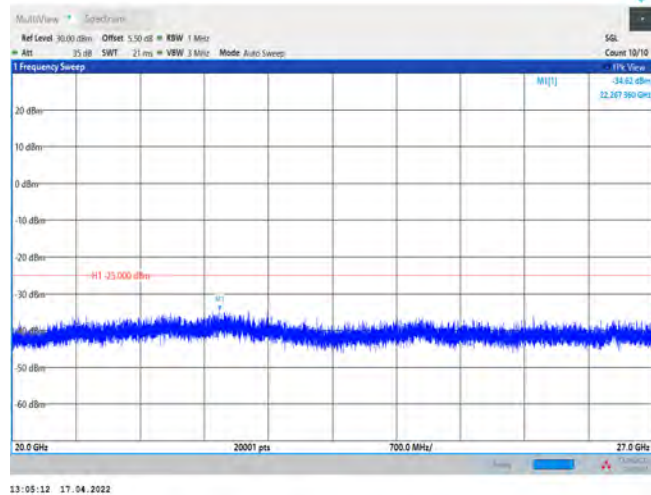


13:05:03 17.04.2022



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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 Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.18	50.31	-107.58	-57.27	-25.00	32.27	263	0	Horizontal
2	7503.27	52.43	-100.34	-47.91	-25.00	22.91	251	201	Horizontal
3	10004.36	45.76	-93.89	-48.13	-25.00	23.13	176	260	Horizontal
4	12505.45	43.26	-91.38	-48.12	-25.00	23.12	265	52	Horizontal
5	15006.54	42.10	-90.07	-47.97	-25.00	22.97	175	357	Horizontal
6	17507.63	41.71	-86.50	-44.79	-25.00	19.79	284	100	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.18	51.06	-107.58	-56.52	-25.00	31.52	251	2	Vertical
2	7503.27	50.62	-100.34	-49.72	-25.00	24.72	174	40	Vertical
3	10004.36	45.47	-93.89	-48.42	-25.00	23.42	186	270	Vertical
4	12505.45	43.88	-91.38	-47.50	-25.00	22.50	264	0	Vertical
5	15006.54	42.36	-90.07	-47.71	-25.00	22.71	189	247	Vertical
6	17507.63	39.53	-86.50	-46.97	-25.00	21.97	264	211	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]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5168.18	49.68	-106.85	-57.17	-25.00	32.17	263	315	Horizontal
2	7752.27	48.70	-99.21	-50.51	-25.00	25.51	241	9	Horizontal
3	10336.36	43.61	-93.09	-49.48	-25.00	24.48	176	95	Horizontal
4	12920.45	43.15	-90.61	-47.46	-25.00	22.46	265	0	Horizontal
5	15504.54	40.82	-90.87	-50.05	-25.00	25.05	241	199	Horizontal
6	17762.1429	42.81	-84.48	-41.67	-25.00	16.67	189	246	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5168.18	51.38	-106.85	-55.47	-25.00	30.47	251	270	Vertical
2	7752.27	49.85	-99.21	-49.36	-25.00	24.36	142	338	Vertical
3	10336.36	43.75	-93.09	-49.34	-25.00	24.34	263	350	Vertical
4	12920.45	43.38	-90.61	-47.23	-25.00	22.23	298	357	Vertical
5	15504.54	40.85	-90.87	-50.02	-25.00	25.02	176	270	Vertical
6	17843.5714	41.85	-84.20	-42.35	-25.00	17.35	240	212	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]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5342.18	50.91	-106.75	-55.84	-25.00	30.84	263	62	Horizontal
2	8013.27	45.70	-98.13	-52.43	-25.00	27.43	251	223	Horizontal
3	10684.36	43.53	-91.77	-48.24	-25.00	23.24	142	2	Horizontal
4	13355.45	42.76	-90.59	-47.83	-25.00	22.83	262	327	Horizontal
5	16026.54	43.04	-90.77	-47.73	-25.00	22.73	284	357	Horizontal
6	17880	42.65	-84.15	-41.50	-25.00	16.50	176	186	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5342.18	51.21	-106.75	-55.54	-25.00	30.54	263	235	Vertical
2	8013.27	48.65	-98.13	-49.48	-25.00	24.48	241	178	Vertical
3	10684.36	43.73	-91.77	-48.04	-25.00	23.04	176	178	Vertical
4	13355.45	42.14	-90.59	-48.45	-25.00	23.45	264	132	Vertical
5	16026.54	41.43	-90.77	-49.34	-25.00	24.34	186	0	Vertical
6	17865	42.79	-84.17	-41.38	-25.00	16.38	244	5	Vertical



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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

The End



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