

# Appendix B.8

## LTE Band 41



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## Effective (Isotropic) Radiated Power Output Data

### Test Result

#### ANT0:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	24.45	25.1	33	PASS
Band41	5MHz	QPSK	39675	1RB#12	24.33	24.98	33	PASS
Band41	5MHz	QPSK	39675	1RB#24	24.12	24.77	33	PASS
Band41	5MHz	QPSK	39675	25RB#0	23.57	24.22	33	PASS
Band41	5MHz	QPSK	40620	1RB#0	24.25	24.9	33	PASS
Band41	5MHz	QPSK	40620	1RB#12	24.49	25.14	33	PASS
Band41	5MHz	QPSK	40620	1RB#24	24.33	24.98	33	PASS
Band41	5MHz	QPSK	40620	25RB#0	23.58	24.23	33	PASS
Band41	5MHz	QPSK	41565	1RB#0	24.3	24.95	33	PASS
Band41	5MHz	QPSK	41565	1RB#12	24.32	24.97	33	PASS
Band41	5MHz	QPSK	41565	1RB#24	24.4	25.05	33	PASS
Band41	5MHz	QPSK	41565	25RB#0	23.3	23.95	33	PASS
Band41	5MHz	16QAM	39675	1RB#0	23.85	24.5	33	PASS
Band41	5MHz	16QAM	39675	1RB#12	23.7	24.35	33	PASS
Band41	5MHz	16QAM	39675	1RB#24	23.76	24.41	33	PASS
Band41	5MHz	16QAM	39675	25RB#0	22.54	23.19	33	PASS
Band41	5MHz	16QAM	40620	1RB#0	23.69	24.34	33	PASS
Band41	5MHz	16QAM	40620	1RB#12	23.67	24.32	33	PASS
Band41	5MHz	16QAM	40620	1RB#24	23.69	24.34	33	PASS
Band41	5MHz	16QAM	40620	25RB#0	22.5	23.15	33	PASS
Band41	5MHz	16QAM	41565	1RB#0	23.49	24.14	33	PASS
Band41	5MHz	16QAM	41565	1RB#12	23.59	24.24	33	PASS
Band41	5MHz	16QAM	41565	1RB#24	23.75	24.4	33	PASS
Band41	5MHz	16QAM	41565	25RB#0	22.18	22.83	33	PASS
Band41	5MHz	64QAM	39675	1RB#0	22.28	22.93	33	PASS



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Band41	5MHz	64QAM	39675	1RB#12	22.13	22.78	33	PASS
Band41	5MHz	64QAM	39675	1RB#24	22.21	22.86	33	PASS
Band41	5MHz	64QAM	39675	25RB#0	21.58	22.23	33	PASS
Band41	5MHz	64QAM	40620	1RB#0	22.13	22.78	33	PASS
Band41	5MHz	64QAM	40620	1RB#12	22.14	22.79	33	PASS
Band41	5MHz	64QAM	40620	1RB#24	22.19	22.84	33	PASS
Band41	5MHz	64QAM	40620	25RB#0	21.59	22.24	33	PASS
Band41	5MHz	64QAM	41565	1RB#0	22.01	22.66	33	PASS
Band41	5MHz	64QAM	41565	1RB#12	21.95	22.6	33	PASS
Band41	5MHz	64QAM	41565	1RB#24	22.07	22.72	33	PASS
Band41	5MHz	64QAM	41565	25RB#0	21.34	21.99	33	PASS
Band41	5MHz	256QAM	39675	1RB#0	19.38	20.03	33	PASS
Band41	5MHz	256QAM	39675	1RB#12	19.42	20.07	33	PASS
Band41	5MHz	256QAM	39675	1RB#24	19.39	20.04	33	PASS
Band41	5MHz	256QAM	39675	25RB#0	19.64	20.29	33	PASS
Band41	5MHz	256QAM	40620	1RB#0	19.3	19.95	33	PASS
Band41	5MHz	256QAM	40620	1RB#12	19.3	19.95	33	PASS
Band41	5MHz	256QAM	40620	1RB#24	19.35	20	33	PASS
Band41	5MHz	256QAM	40620	25RB#0	19.64	20.29	33	PASS
Band41	5MHz	256QAM	41565	1RB#0	19.1	19.75	33	PASS
Band41	5MHz	256QAM	41565	1RB#12	19.1	19.75	33	PASS
Band41	5MHz	256QAM	41565	1RB#24	19.13	19.78	33	PASS
Band41	5MHz	256QAM	41565	25RB#0	19.34	19.99	33	PASS
Band41	10MHz	QPSK	39700	1RB#0	24.25	24.9	33	PASS
Band41	10MHz	QPSK	39700	1RB#24	24.23	24.88	33	PASS
Band41	10MHz	QPSK	39700	1RB#49	24.45	25.1	33	PASS
Band41	10MHz	QPSK	39700	50RB#0	23.67	24.32	33	PASS
Band41	10MHz	QPSK	40620	1RB#0	24.12	24.77	33	PASS
Band41	10MHz	QPSK	40620	1RB#24	24.49	25.14	33	PASS
Band41	10MHz	QPSK	40620	1RB#49	24.42	25.07	33	PASS
Band41	10MHz	QPSK	40620	50RB#0	23.61	24.26	33	PASS
Band41	10MHz	QPSK	41540	1RB#0	24.33	24.98	33	PASS
Band41	10MHz	QPSK	41540	1RB#24	24.32	24.97	33	PASS



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Band41	10MHz	QPSK	41540	1RB#49	24.2	24.85	33	PASS
Band41	10MHz	QPSK	41540	50RB#0	23.33	23.98	33	PASS
Band41	10MHz	16QAM	39700	1RB#0	23.57	24.22	33	PASS
Band41	10MHz	16QAM	39700	1RB#24	23.57	24.22	33	PASS
Band41	10MHz	16QAM	39700	1RB#49	23.54	24.19	33	PASS
Band41	10MHz	16QAM	39700	50RB#0	22.65	23.3	33	PASS
Band41	10MHz	16QAM	40620	1RB#0	23.7	24.35	33	PASS
Band41	10MHz	16QAM	40620	1RB#24	23.54	24.19	33	PASS
Band41	10MHz	16QAM	40620	1RB#49	23.48	24.13	33	PASS
Band41	10MHz	16QAM	40620	50RB#0	22.62	23.27	33	PASS
Band41	10MHz	16QAM	41540	1RB#0	23.46	24.11	33	PASS
Band41	10MHz	16QAM	41540	1RB#24	23.3	23.95	33	PASS
Band41	10MHz	16QAM	41540	1RB#49	23.3	23.95	33	PASS
Band41	10MHz	16QAM	41540	50RB#0	22.38	23.03	33	PASS
Band41	10MHz	64QAM	39700	1RB#0	22.16	22.81	33	PASS
Band41	10MHz	64QAM	39700	1RB#24	22.19	22.84	33	PASS
Band41	10MHz	64QAM	39700	1RB#49	22.2	22.85	33	PASS
Band41	10MHz	64QAM	39700	50RB#0	21.71	22.36	33	PASS
Band41	10MHz	64QAM	40620	1RB#0	22.24	22.89	33	PASS
Band41	10MHz	64QAM	40620	1RB#24	22.11	22.76	33	PASS
Band41	10MHz	64QAM	40620	1RB#49	22.1	22.75	33	PASS
Band41	10MHz	64QAM	40620	50RB#0	21.69	22.34	33	PASS
Band41	10MHz	64QAM	41540	1RB#0	22.02	22.67	33	PASS
Band41	10MHz	64QAM	41540	1RB#24	22	22.65	33	PASS
Band41	10MHz	64QAM	41540	1RB#49	22.02	22.67	33	PASS
Band41	10MHz	64QAM	41540	50RB#0	21.42	22.07	33	PASS
Band41	10MHz	256QAM	39700	1RB#0	19.32	19.97	33	PASS
Band41	10MHz	256QAM	39700	1RB#24	19.49	20.14	33	PASS
Band41	10MHz	256QAM	39700	1RB#49	19.43	20.08	33	PASS
Band41	10MHz	256QAM	39700	50RB#0	19.7	20.35	33	PASS
Band41	10MHz	256QAM	40620	1RB#0	19.33	19.98	33	PASS
Band41	10MHz	256QAM	40620	1RB#24	19.47	20.12	33	PASS
Band41	10MHz	256QAM	40620	1RB#49	19.38	20.03	33	PASS



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Band41	10MHz	256QAM	40620	50RB#0	19.72	20.37	33	PASS
Band41	10MHz	256QAM	41540	1RB#0	19.41	20.06	33	PASS
Band41	10MHz	256QAM	41540	1RB#24	19.17	19.82	33	PASS
Band41	10MHz	256QAM	41540	1RB#49	19.16	19.81	33	PASS
Band41	10MHz	256QAM	41540	50RB#0	19.41	20.06	33	PASS
Band41	15MHz	QPSK	39725	1RB#0	24.35	25	33	PASS
Band41	15MHz	QPSK	39725	1RB#38	24.27	24.92	33	PASS
Band41	15MHz	QPSK	39725	1RB#74	24.3	24.95	33	PASS
Band41	15MHz	QPSK	39725	75RB#0	23.53	24.18	33	PASS
Band41	15MHz	QPSK	40620	1RB#0	24.42	25.07	33	PASS
Band41	15MHz	QPSK	40620	1RB#38	24.26	24.91	33	PASS
Band41	15MHz	QPSK	40620	1RB#74	24.29	24.94	33	PASS
Band41	15MHz	QPSK	40620	75RB#0	23.48	24.13	33	PASS
Band41	15MHz	QPSK	41515	1RB#0	24.12	24.77	33	PASS
Band41	15MHz	QPSK	41515	1RB#38	24.03	24.68	33	PASS
Band41	15MHz	QPSK	41515	1RB#74	24.1	24.75	33	PASS
Band41	15MHz	QPSK	41515	75RB#0	23.26	23.91	33	PASS
Band41	15MHz	16QAM	39725	1RB#0	23.43	24.08	33	PASS
Band41	15MHz	16QAM	39725	1RB#38	23.48	24.13	33	PASS
Band41	15MHz	16QAM	39725	1RB#74	23.41	24.06	33	PASS
Band41	15MHz	16QAM	39725	75RB#0	22.52	23.17	33	PASS
Band41	15MHz	16QAM	40620	1RB#0	23.49	24.14	33	PASS
Band41	15MHz	16QAM	40620	1RB#38	23.4	24.05	33	PASS
Band41	15MHz	16QAM	40620	1RB#74	23.42	24.07	33	PASS
Band41	15MHz	16QAM	40620	75RB#0	22.48	23.13	33	PASS
Band41	15MHz	16QAM	41515	1RB#0	23.48	24.13	33	PASS
Band41	15MHz	16QAM	41515	1RB#38	23.31	23.96	33	PASS
Band41	15MHz	16QAM	41515	1RB#74	23.44	24.09	33	PASS
Band41	15MHz	16QAM	41515	75RB#0	22.28	22.93	33	PASS
Band41	15MHz	64QAM	39725	1RB#0	21.98	22.63	33	PASS
Band41	15MHz	64QAM	39725	1RB#38	21.98	22.63	33	PASS
Band41	15MHz	64QAM	39725	1RB#74	21.99	22.64	33	PASS
Band41	15MHz	64QAM	39725	75RB#0	21.53	22.18	33	PASS



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Band41	15MHz	64QAM	40620	1RB#0	22.1	22.75	33	PASS
Band41	15MHz	64QAM	40620	1RB#38	21.97	22.62	33	PASS
Band41	15MHz	64QAM	40620	1RB#74	21.98	22.63	33	PASS
Band41	15MHz	64QAM	40620	75RB#0	21.51	22.16	33	PASS
Band41	15MHz	64QAM	41515	1RB#0	21.87	22.52	33	PASS
Band41	15MHz	64QAM	41515	1RB#38	21.79	22.44	33	PASS
Band41	15MHz	64QAM	41515	1RB#74	21.78	22.43	33	PASS
Band41	15MHz	64QAM	41515	75RB#0	21.31	21.96	33	PASS
Band41	15MHz	256QAM	39725	1RB#0	19.15	19.8	33	PASS
Band41	15MHz	256QAM	39725	1RB#38	19.33	19.98	33	PASS
Band41	15MHz	256QAM	39725	1RB#74	19.41	20.06	33	PASS
Band41	15MHz	256QAM	39725	75RB#0	19.56	20.21	33	PASS
Band41	15MHz	256QAM	40620	1RB#0	19.2	19.85	33	PASS
Band41	15MHz	256QAM	40620	1RB#38	19.34	19.99	33	PASS
Band41	15MHz	256QAM	40620	1RB#74	19.33	19.98	33	PASS
Band41	15MHz	256QAM	40620	75RB#0	19.51	20.16	33	PASS
Band41	15MHz	256QAM	41515	1RB#0	18.99	19.64	33	PASS
Band41	15MHz	256QAM	41515	1RB#38	19.13	19.78	33	PASS
Band41	15MHz	256QAM	41515	1RB#74	19.13	19.78	33	PASS
Band41	15MHz	256QAM	41515	75RB#0	19.32	19.97	33	PASS
Band41	20MHz	QPSK	39750	1RB#0	24.43	25.08	33	PASS
Band41	20MHz	QPSK	39750	1RB#49	24.3	24.95	33	PASS
Band41	20MHz	QPSK	39750	1RB#99	24.28	24.93	33	PASS
Band41	20MHz	QPSK	39750	100RB#0	23.5	24.15	33	PASS
Band41	20MHz	QPSK	40620	1RB#0	24.36	25.01	33	PASS
Band41	20MHz	QPSK	40620	1RB#49	24.26	24.91	33	PASS
Band41	20MHz	QPSK	40620	1RB#99	24.31	24.96	33	PASS
Band41	20MHz	QPSK	40620	100RB#0	23.48	24.13	33	PASS
Band41	20MHz	QPSK	41490	1RB#0	24.33	24.98	33	PASS
Band41	20MHz	QPSK	41490	1RB#49	24.11	24.76	33	PASS
Band41	20MHz	QPSK	41490	1RB#99	24.09	24.74	33	PASS
Band41	20MHz	QPSK	41490	100RB#0	23.3	23.95	33	PASS
Band41	20MHz	16QAM	39750	1RB#0	23.45	24.1	33	PASS



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Band41	20MHz	16QAM	39750	1RB#49	23.38	24.03	33	PASS
Band41	20MHz	16QAM	39750	1RB#99	23.41	24.06	33	PASS
Band41	20MHz	16QAM	39750	100RB#0	22.54	23.19	33	PASS
Band41	20MHz	16QAM	40620	1RB#0	23.55	24.2	33	PASS
Band41	20MHz	16QAM	40620	1RB#49	23.36	24.01	33	PASS
Band41	20MHz	16QAM	40620	1RB#99	23.38	24.03	33	PASS
Band41	20MHz	16QAM	40620	100RB#0	22.51	23.16	33	PASS
Band41	20MHz	16QAM	41490	1RB#0	23.47	24.12	33	PASS
Band41	20MHz	16QAM	41490	1RB#49	23.28	23.93	33	PASS
Band41	20MHz	16QAM	41490	1RB#99	23.38	24.03	33	PASS
Band41	20MHz	16QAM	41490	100RB#0	22.35	23	33	PASS
Band41	20MHz	64QAM	39750	1RB#0	21.95	22.6	33	PASS
Band41	20MHz	64QAM	39750	1RB#49	21.99	22.64	33	PASS
Band41	20MHz	64QAM	39750	1RB#99	21.98	22.63	33	PASS
Band41	20MHz	64QAM	39750	100RB#0	21.53	22.18	33	PASS
Band41	20MHz	64QAM	40620	1RB#0	22.12	22.77	33	PASS
Band41	20MHz	64QAM	40620	1RB#49	22	22.65	33	PASS
Band41	20MHz	64QAM	40620	1RB#99	21.97	22.62	33	PASS
Band41	20MHz	64QAM	40620	100RB#0	21.5	22.15	33	PASS
Band41	20MHz	64QAM	41490	1RB#0	21.9	22.55	33	PASS
Band41	20MHz	64QAM	41490	1RB#49	21.82	22.47	33	PASS
Band41	20MHz	64QAM	41490	1RB#99	21.78	22.43	33	PASS
Band41	20MHz	64QAM	41490	100RB#0	21.3	21.95	33	PASS
Band41	20MHz	256QAM	39750	1RB#0	19.17	19.82	33	PASS
Band41	20MHz	256QAM	39750	1RB#49	19.31	19.96	33	PASS
Band41	20MHz	256QAM	39750	1RB#99	19.39	20.04	33	PASS
Band41	20MHz	256QAM	39750	100RB#0	19.56	20.21	33	PASS
Band41	20MHz	256QAM	40620	1RB#0	19.23	19.88	33	PASS
Band41	20MHz	256QAM	40620	1RB#49	19.32	19.97	33	PASS
Band41	20MHz	256QAM	40620	1RB#99	19.33	19.98	33	PASS
Band41	20MHz	256QAM	40620	100RB#0	19.49	20.14	33	PASS
Band41	20MHz	256QAM	41490	1RB#0	18.98	19.63	33	PASS
Band41	20MHz	256QAM	41490	1RB#49	19.08	19.73	33	PASS



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Rev.: 01

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Band41	20MHz	256QAM	41490	1RB#99	19.15	19.8	33	PASS
Band41	20MHz	256QAM	41490	100RB#0	19.32	19.97	33	PASS



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## Peak-to-Average Ratio(CCDF)

### Test Result

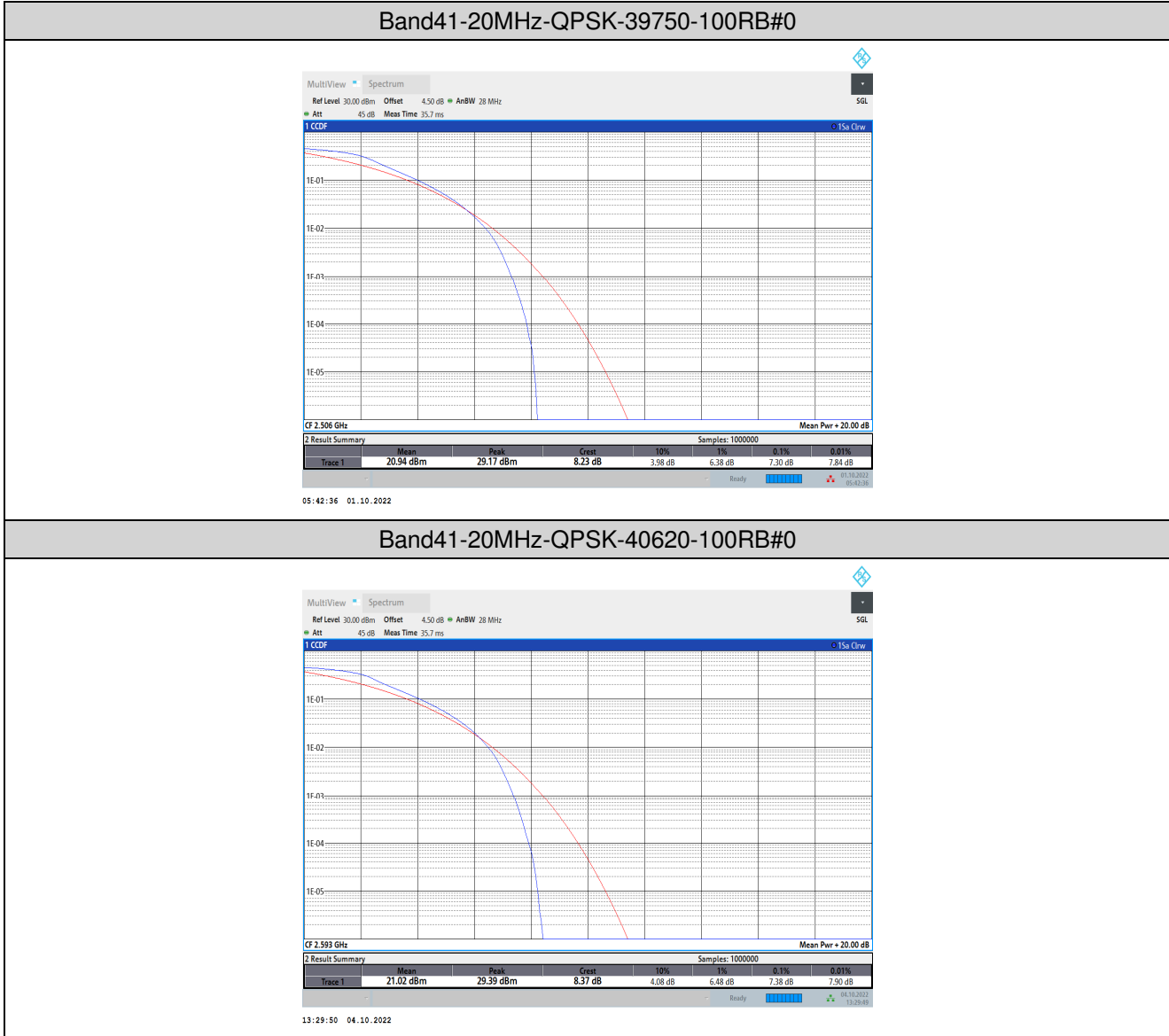
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	7.30	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	7.38	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	6.84	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	8.14	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	8.12	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	7.64	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	8.62	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	8.72	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	8.24	13	PASS
Band41	20MHz	256QAM	39750	100RB#0	8.88	13	PASS
Band41	20MHz	256QAM	40620	100RB#0	8.74	13	PASS
Band41	20MHz	256QAM	41490	100RB#0	8.62	13	PASS



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Test Graphs

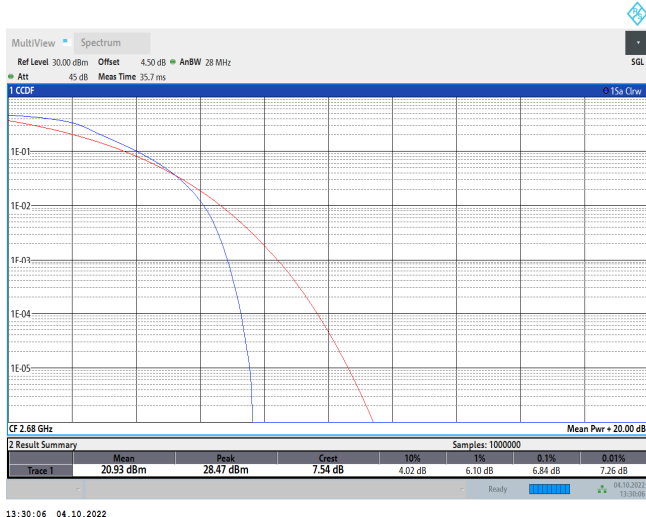


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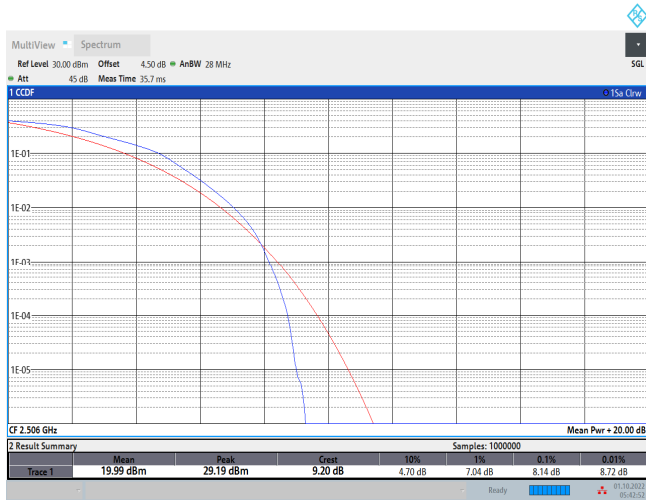
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Band41-20MHz-QPSK-41490-100RB#0



13:30:06 04.10.2022

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



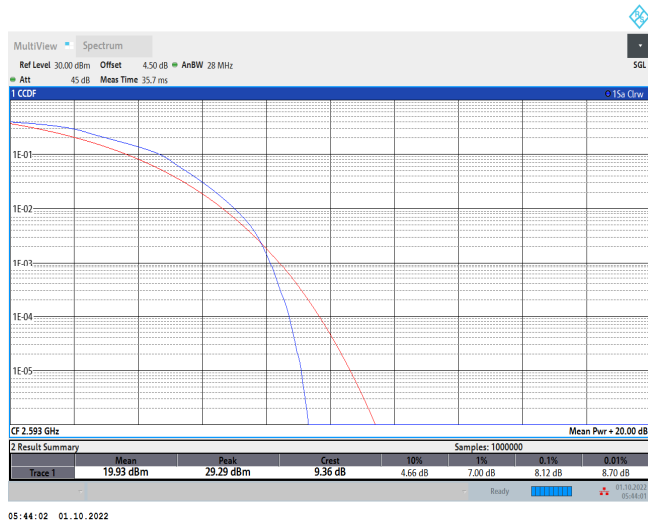
05:42:53 01.10.2022



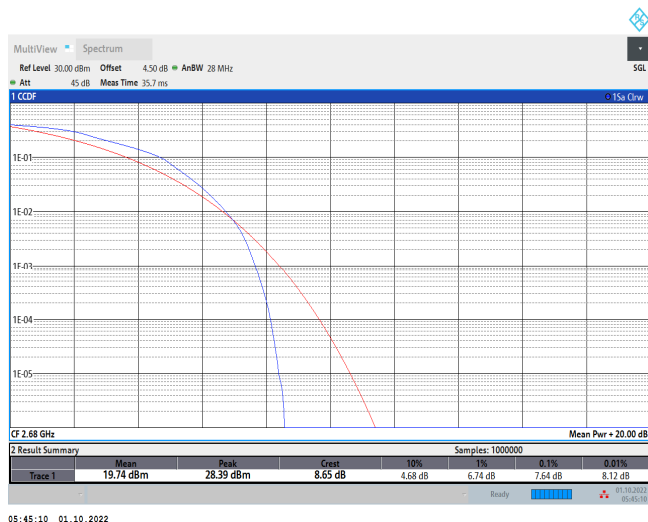
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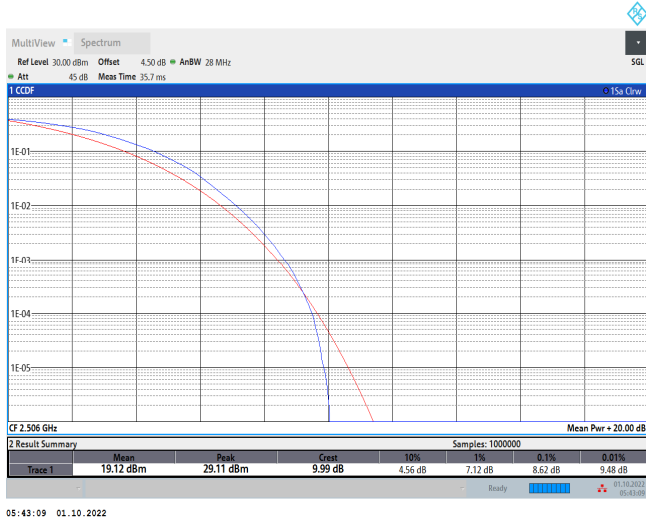
Band41-20MHz-16QAM-40620-100RB#0



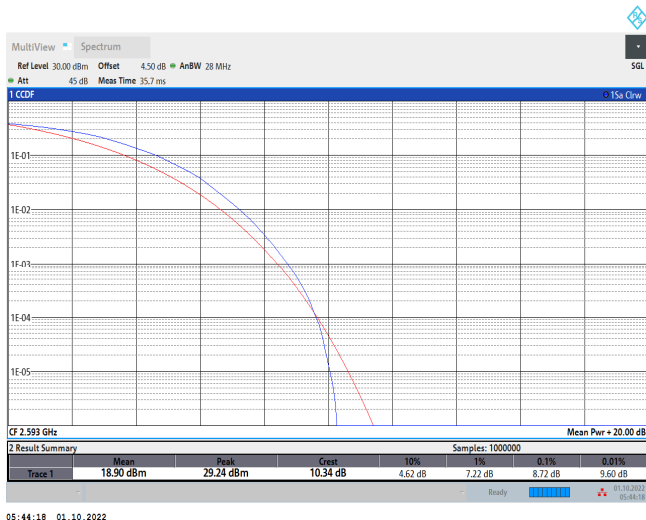
Band41-20MHz-16QAM-41490-100RB#0



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



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

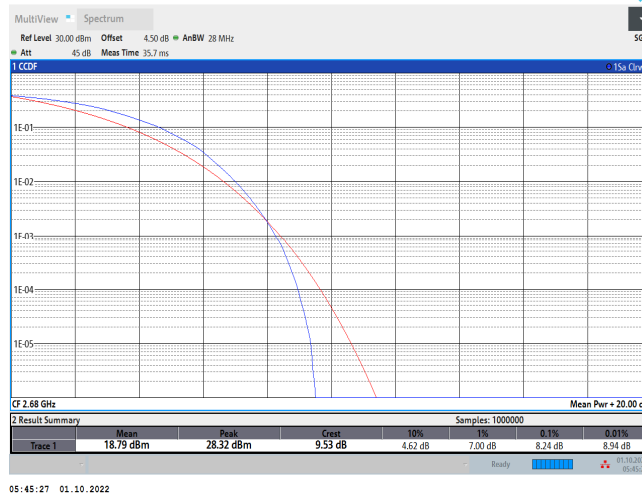


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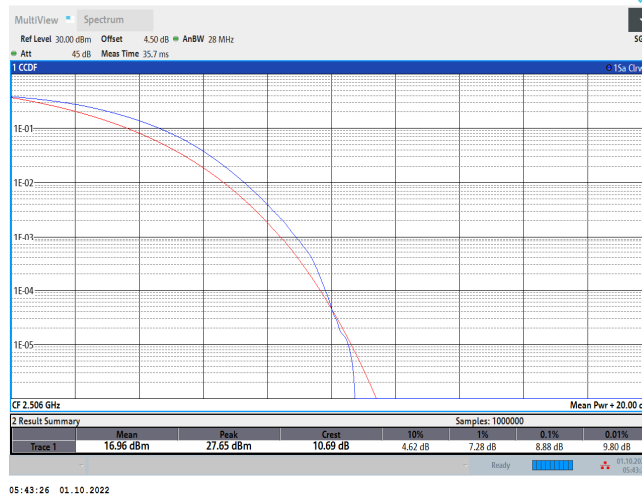
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Band41-20MHz-64QAM-41490-100RB#0



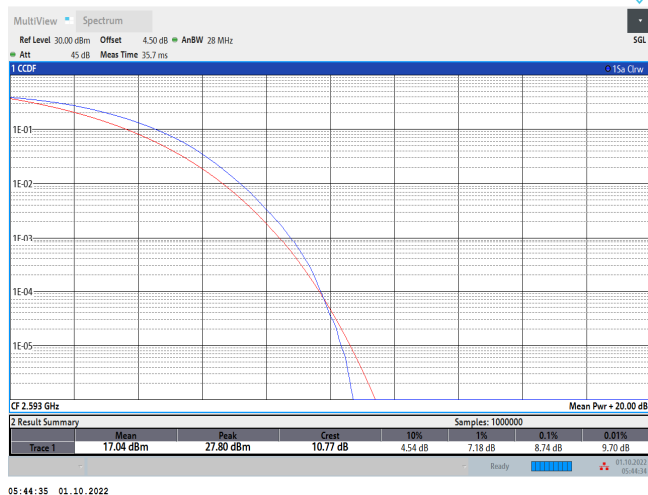
Band41-20MHz-256QAM-39750-100RB#0



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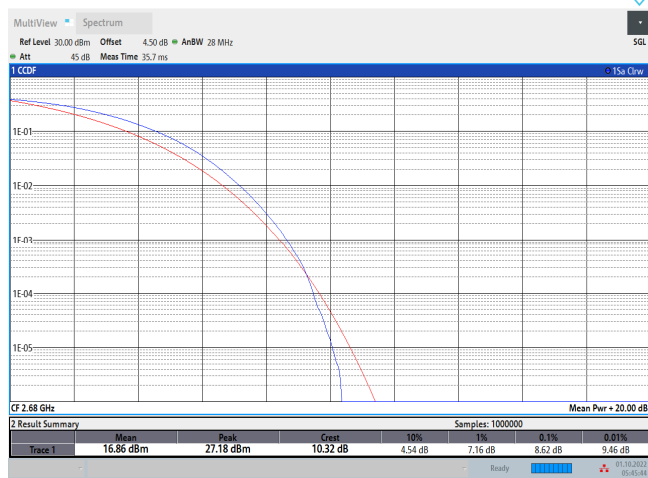
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Band41-20MHz-256QAM-40620-100RB#0



05:44:35 01.10.2022

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



05:45:44 01.10.2022



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## Modulation Characteristics

### Test Result

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



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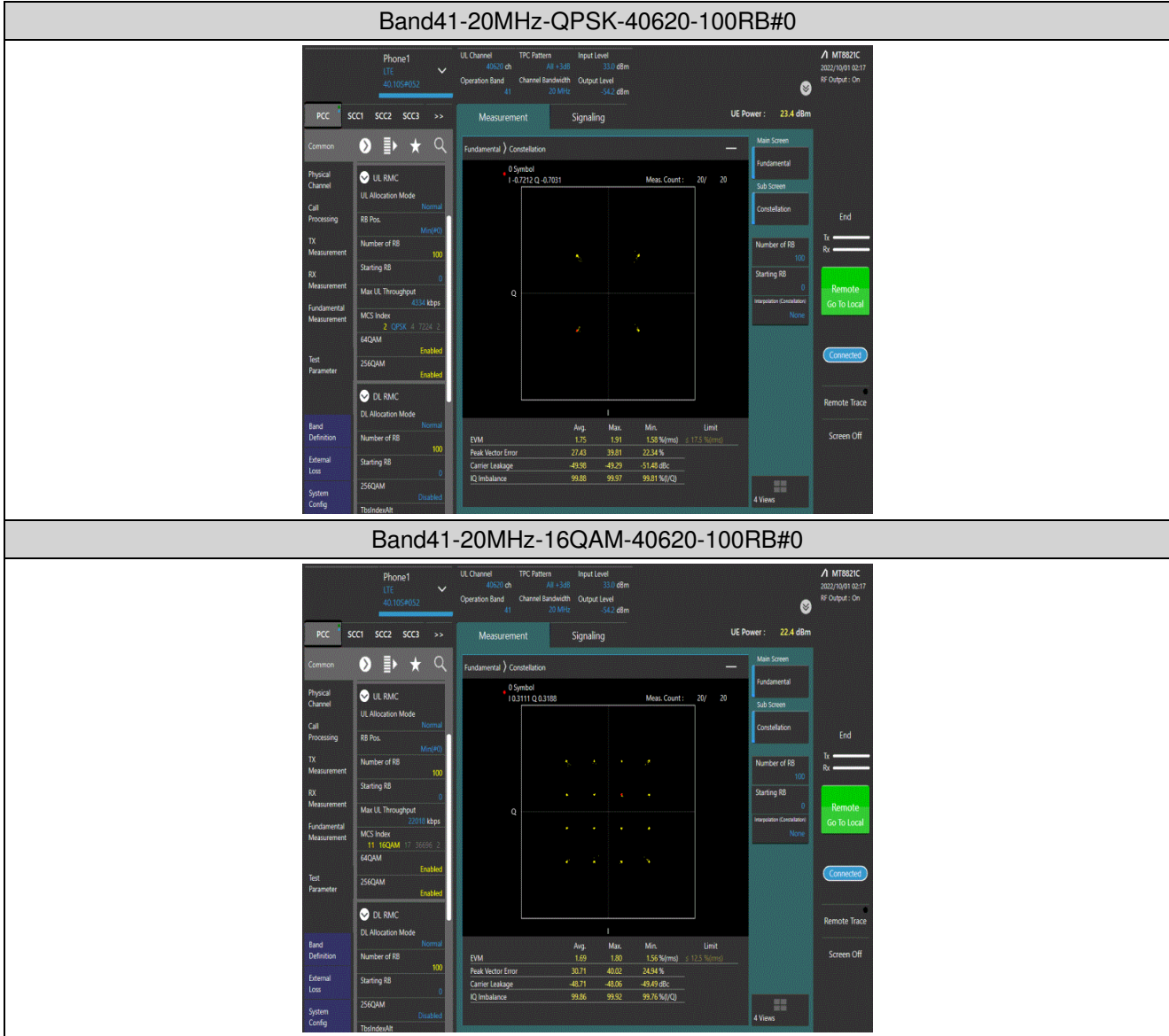
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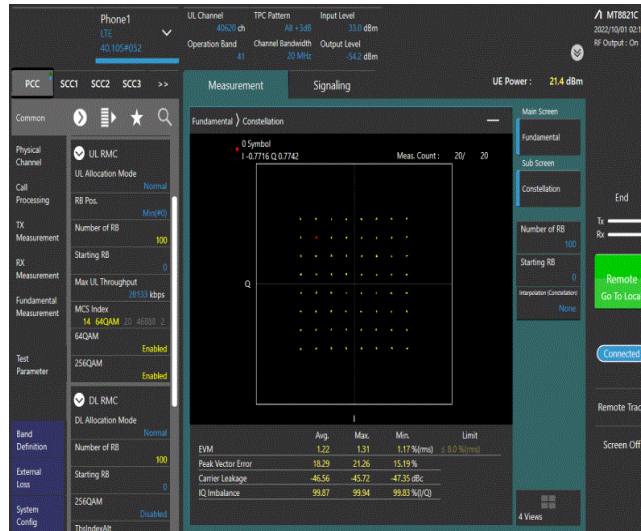
Test Graphs



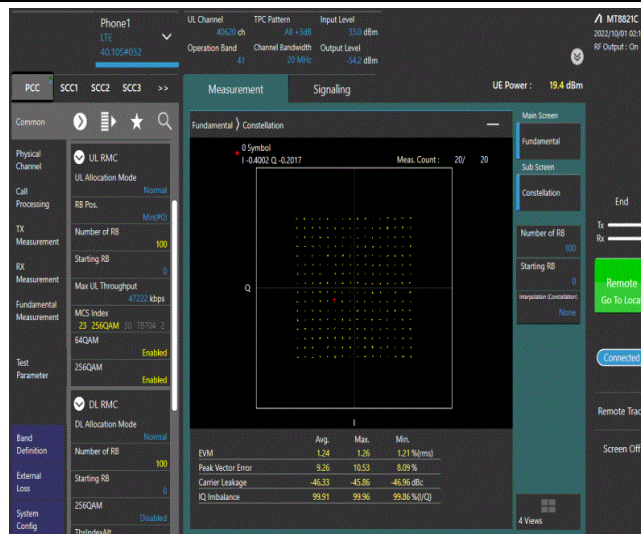
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Band41-20MHz-64QAM-40620-100RB#0



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



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## 26dB Bandwidth and Occupied Bandwidth

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.466	4.86	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.466	4.87	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.465	4.94	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.478	4.91	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.478	4.92	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.473	4.92	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.473	4.88	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.477	4.88	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.479	4.88	PASS
Band41	5MHz	256QAM	39675	25RB#0	4.465	4.99	PASS
Band41	5MHz	256QAM	40620	25RB#0	4.465	5.05	PASS
Band41	5MHz	256QAM	41565	25RB#0	4.463	4.99	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.939	9.80	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.932	9.68	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.931	9.68	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.94	9.76	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.932	9.78	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.92	9.78	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.939	9.98	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.938	9.88	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.939	9.82	PASS
Band41	10MHz	256QAM	39700	50RB#0	8.924	9.62	PASS
Band41	10MHz	256QAM	40620	50RB#0	8.933	9.64	PASS
Band41	10MHz	256QAM	41540	50RB#0	8.93	9.68	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.466	15.48	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.473	15.57	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.458	15.72	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.472	14.82	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.475	15.21	PASS



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Band41	15MHz	16QAM	41515	75RB#0	13.465	15.15	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.475	15.27	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.458	15.27	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.485	15.09	PASS
Band41	15MHz	256QAM	39725	75RB#0	13.473	14.70	PASS
Band41	15MHz	256QAM	40620	75RB#0	13.475	15.18	PASS
Band41	15MHz	256QAM	41515	75RB#0	13.461	15.03	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.885	19.68	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.9	19.68	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.87	19.64	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.879	19.40	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.881	20.56	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.882	19.72	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.863	20.08	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.888	19.64	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.867	19.76	PASS
Band41	20MHz	256QAM	39750	100RB#0	17.879	19.64	PASS
Band41	20MHz	256QAM	40620	100RB#0	17.892	19.80	PASS
Band41	20MHz	256QAM	41490	100RB#0	17.859	19.48	PASS

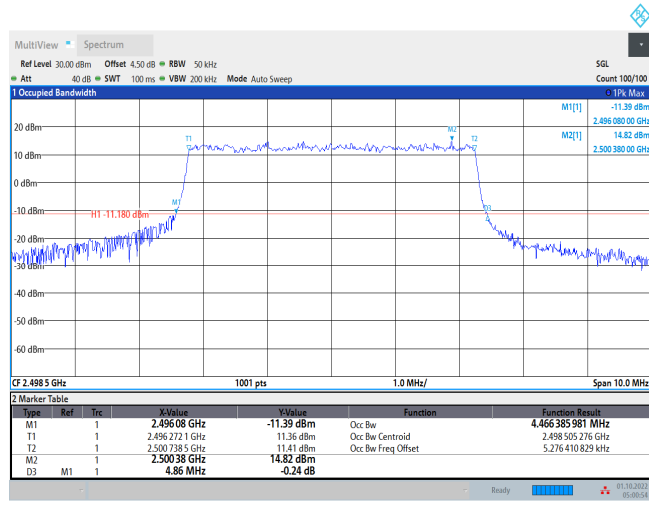


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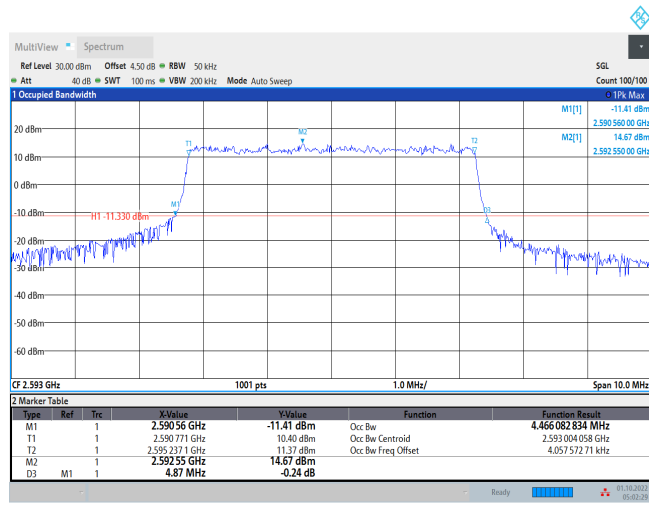
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Test Graphs

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



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

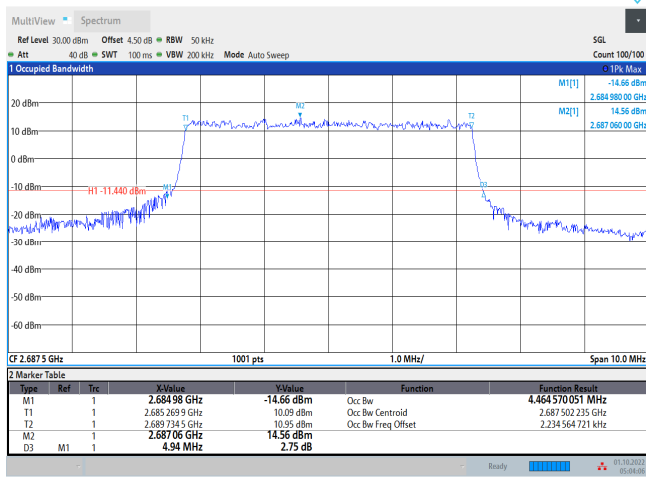


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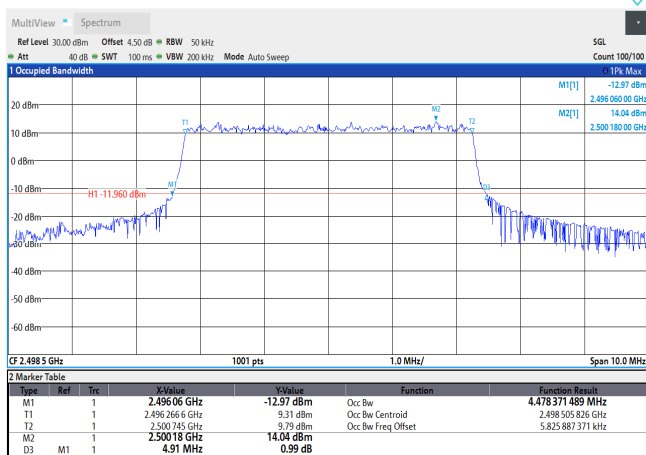
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Band41-5MHz-QPSK-41565-25RB#0



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



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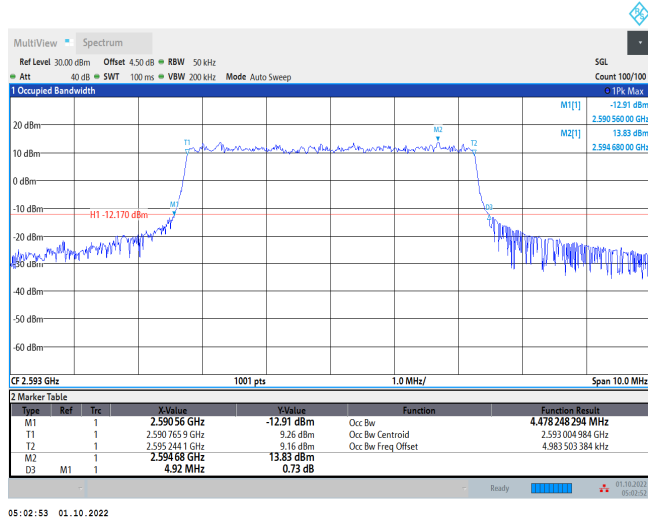


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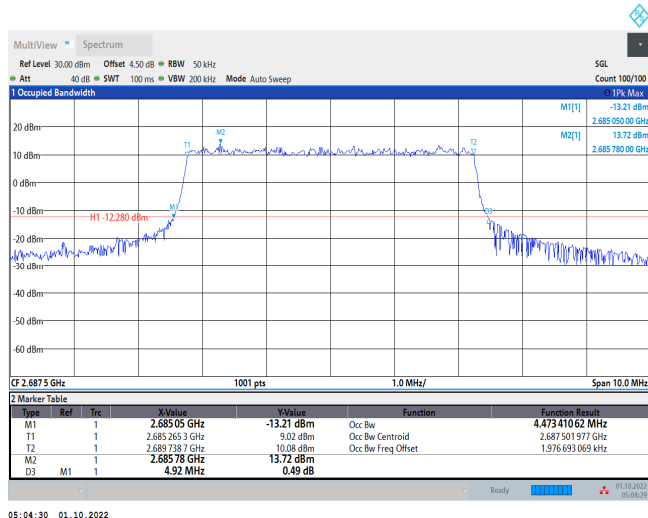
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Band41-5MHz-16QAM-40620-25RB#0



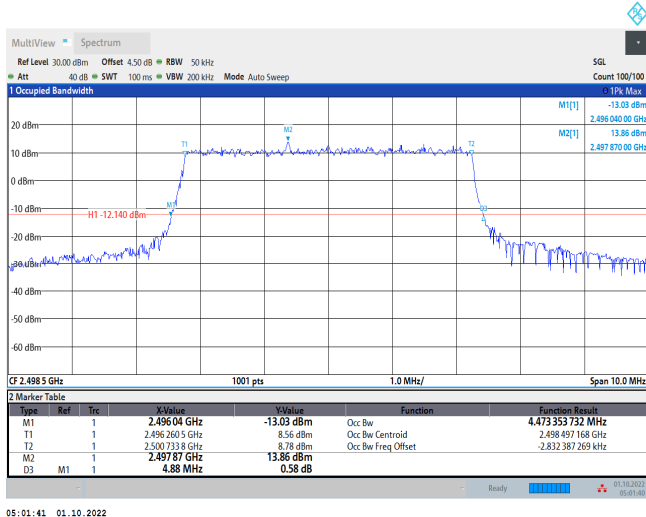
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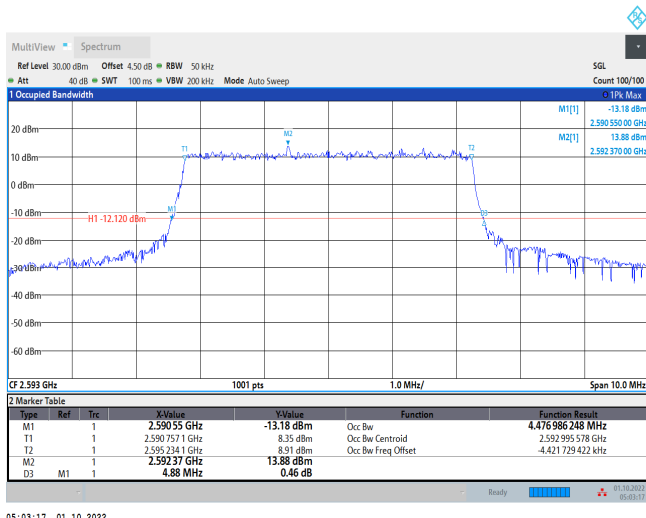
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Band41-5MHz-64QAM-39675-25RB#0



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



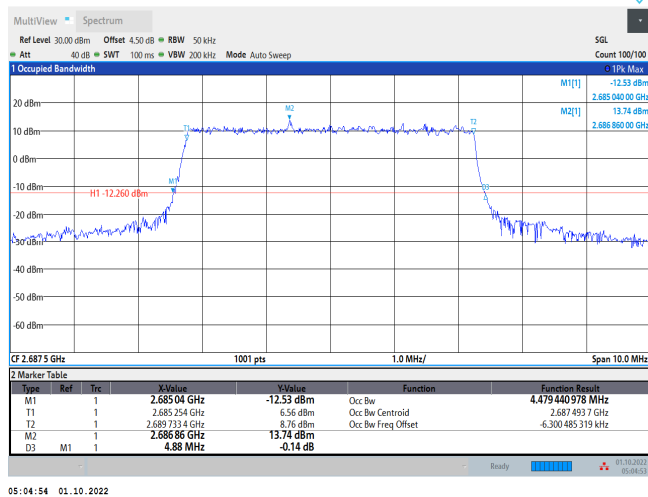
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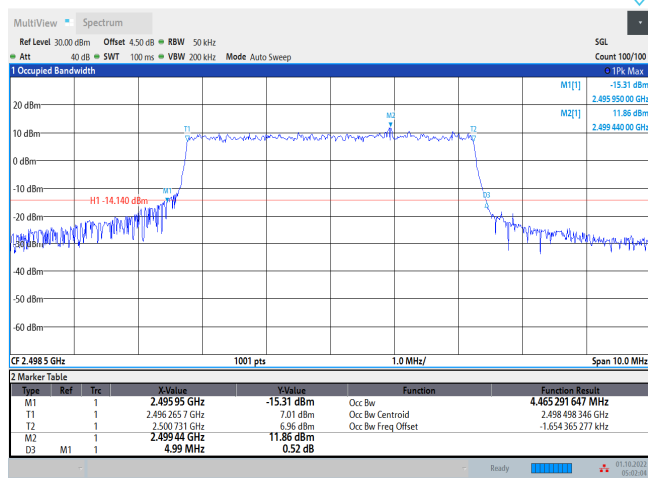


Band41-5MHz-64QAM-41565-25RB#0



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



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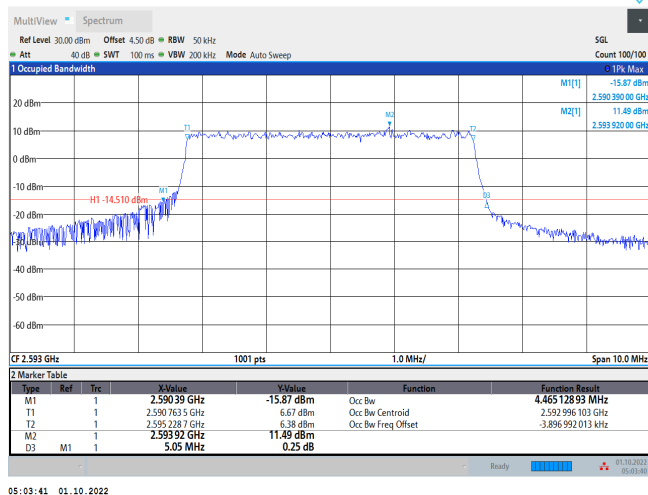


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Band41-5MHz-256QAM-40620-25RB#0



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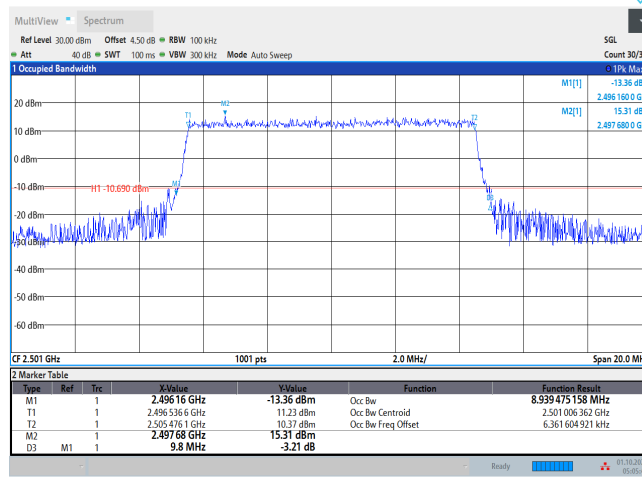


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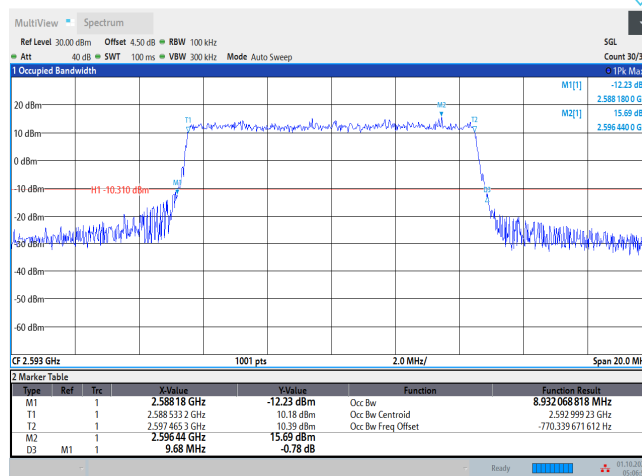
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Band41-10MHz-QPSK-39700-50RB#0



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



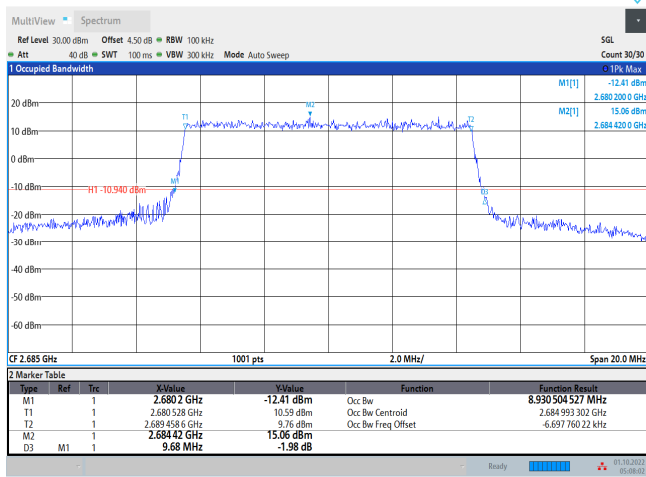
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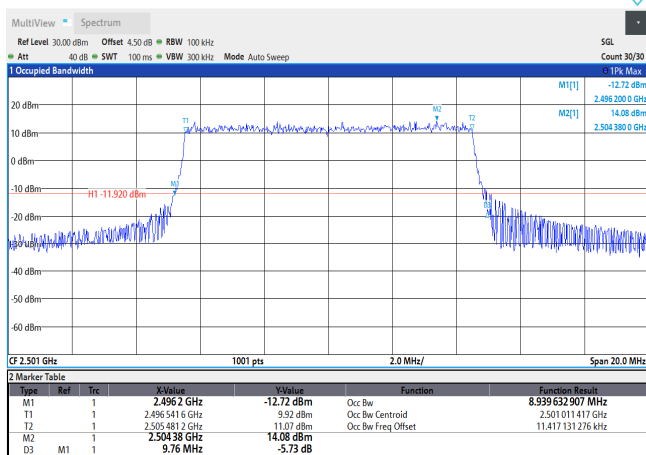
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Band41-10MHz-QPSK-41540-50RB#0



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



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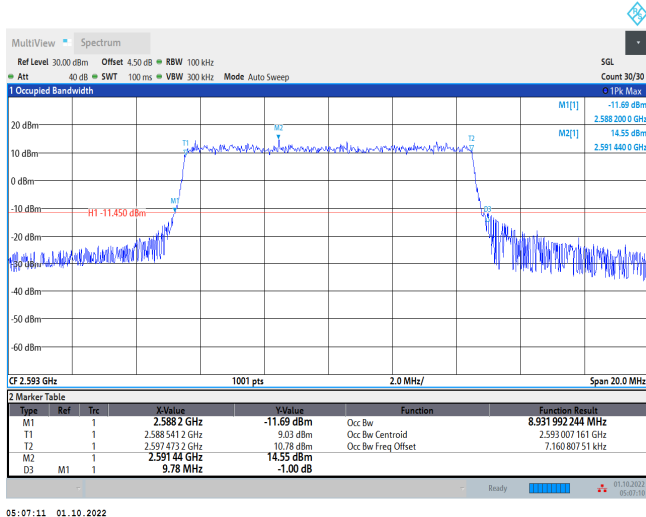


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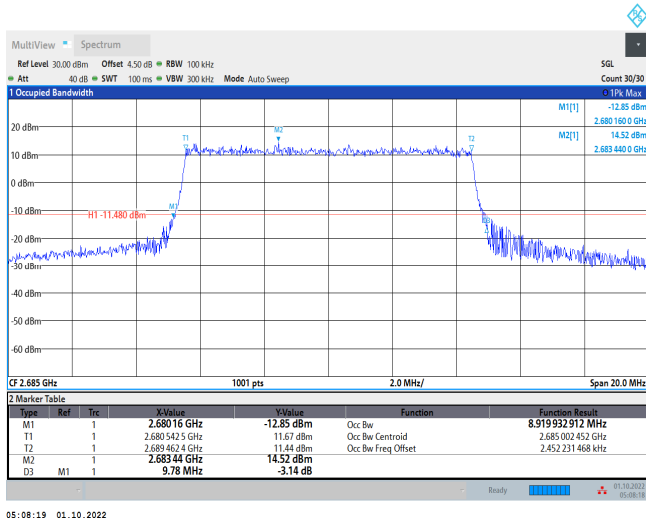
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Band41-10MHz-16QAM-40620-50RB#0



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

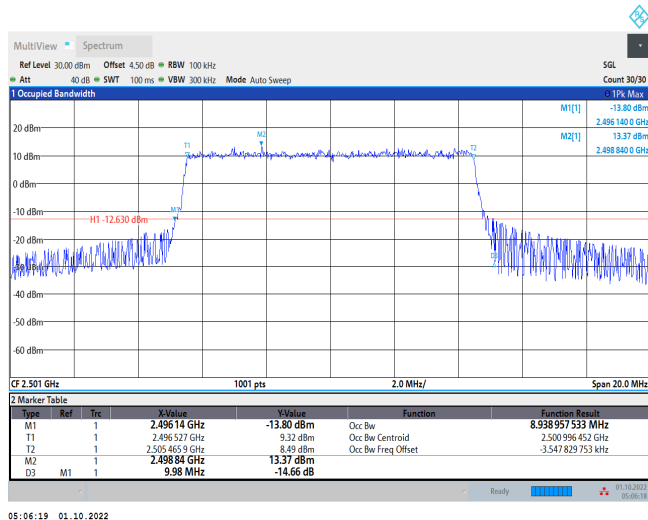


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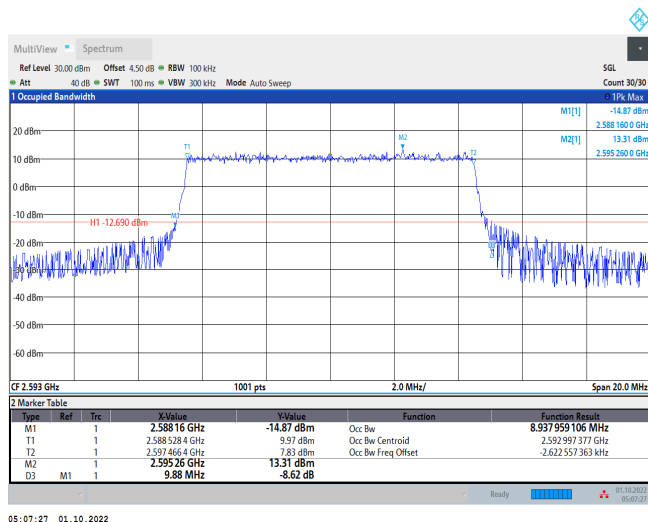
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Band41-10MHz-64QAM-39700-50RB#0



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

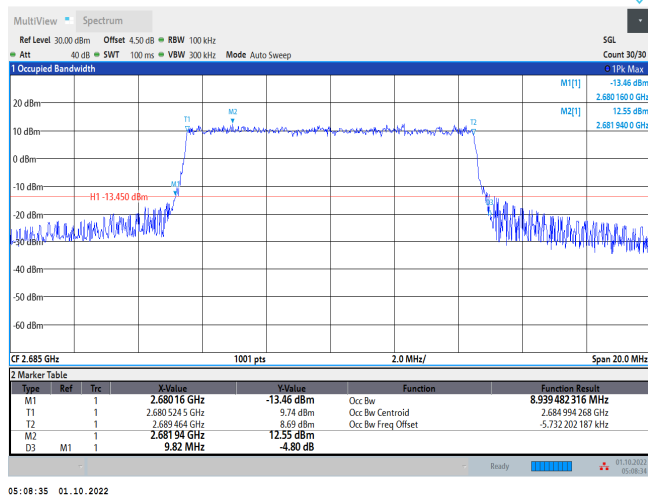


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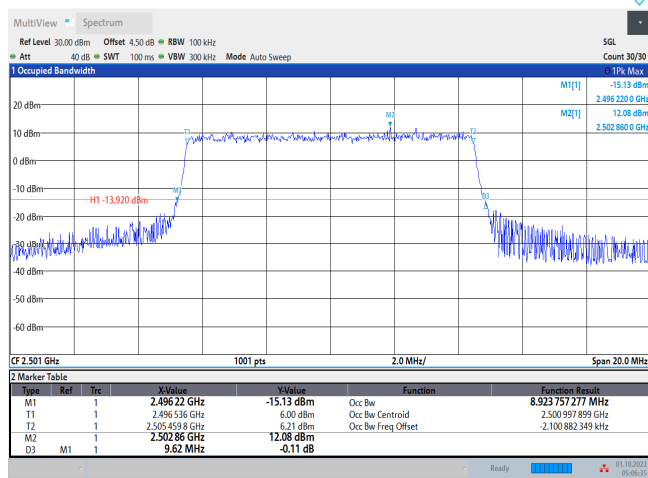
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Band41-10MHz-64QAM-41540-50RB#0



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



05:06:36 01.10.2022

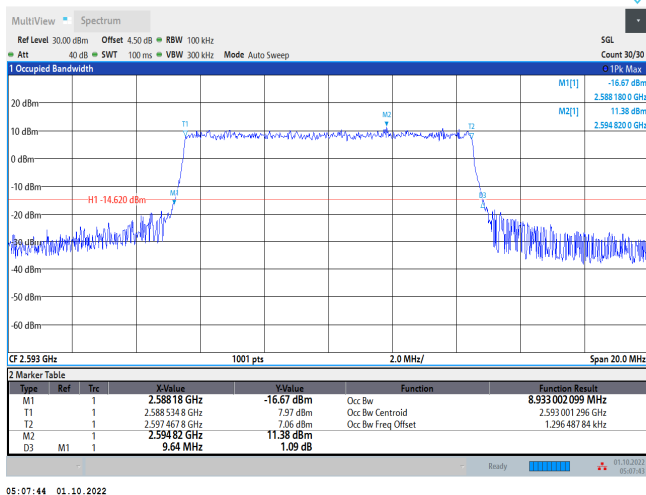


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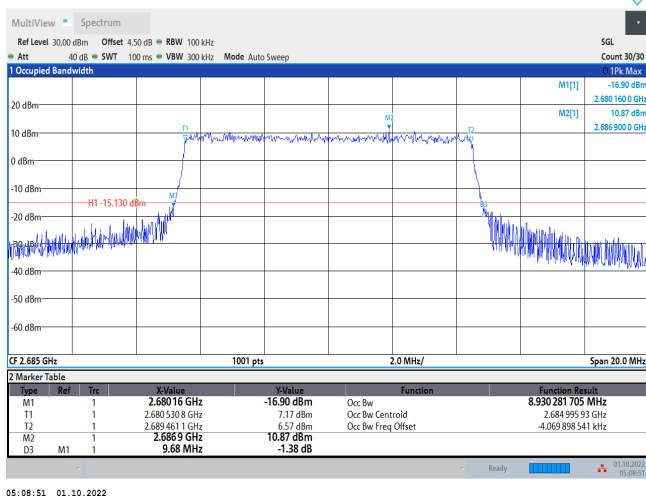
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Band41-10MHz-256QAM-40620-50RB#0



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



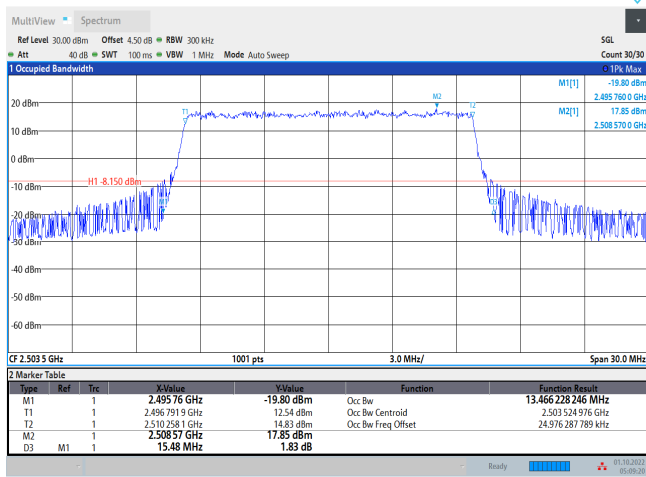
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Band41-15MHz-QPSK-39725-75RB#0



05:09:20 01.10.2022

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



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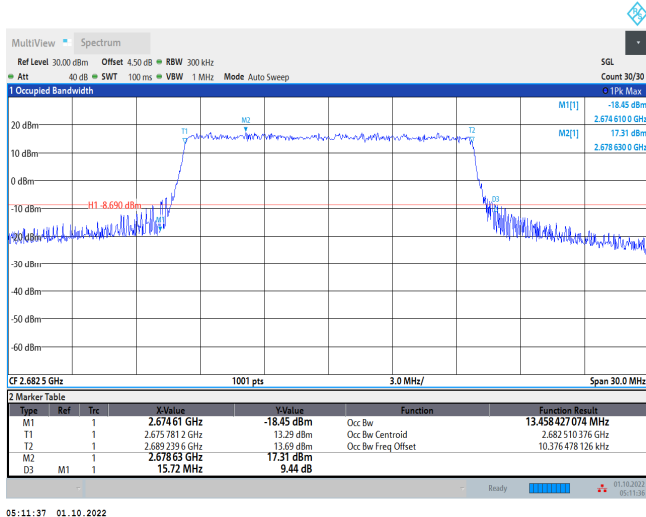


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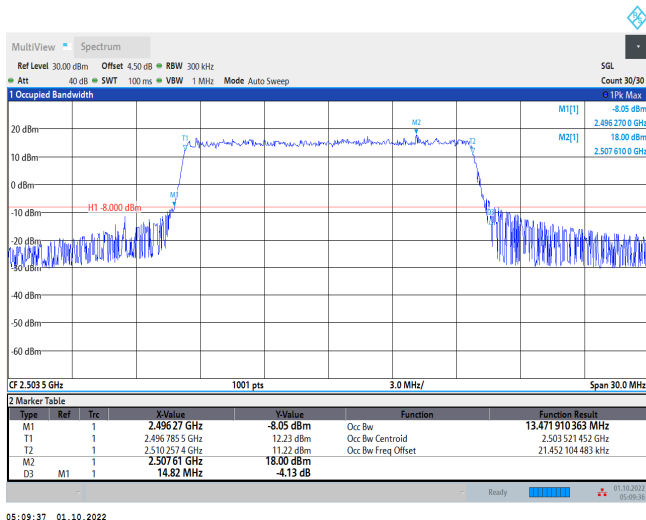
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Band41-15MHz-QPSK-41515-75RB#0



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

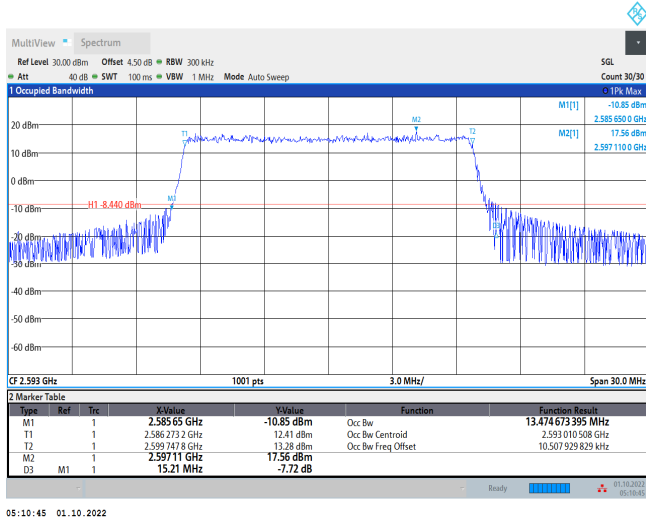


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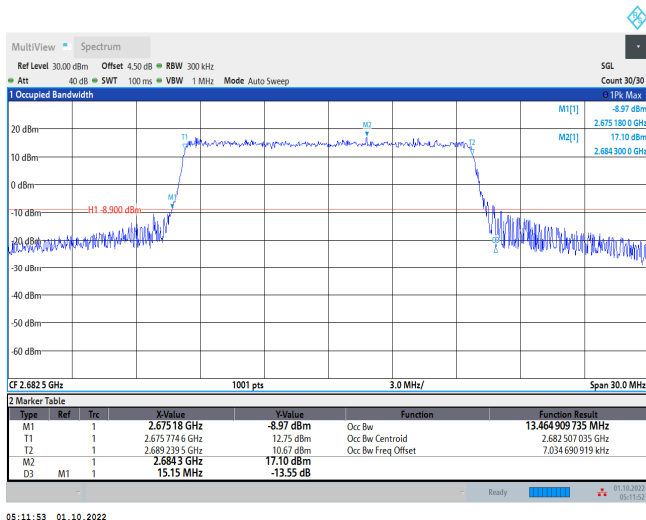
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Band41-15MHz-16QAM-40620-75RB#0



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

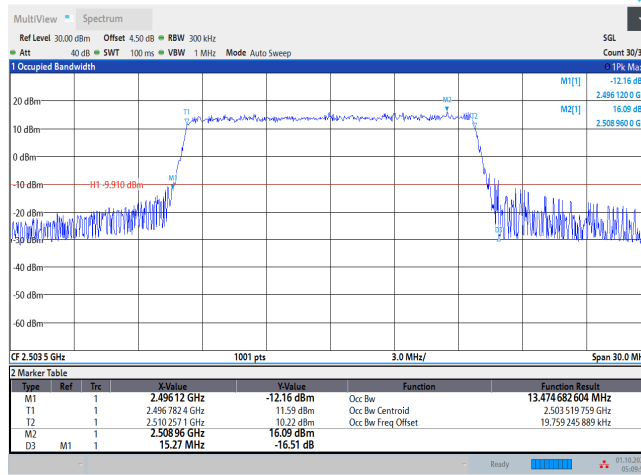


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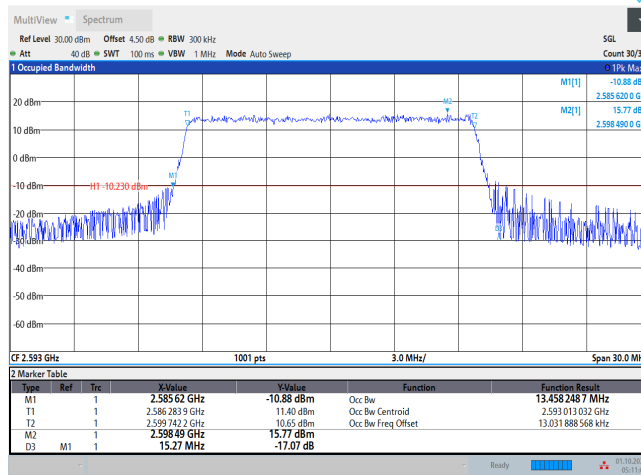
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Band41-15MHz-64QAM-39725-75RB#0



05:09:53 01.10.2022

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



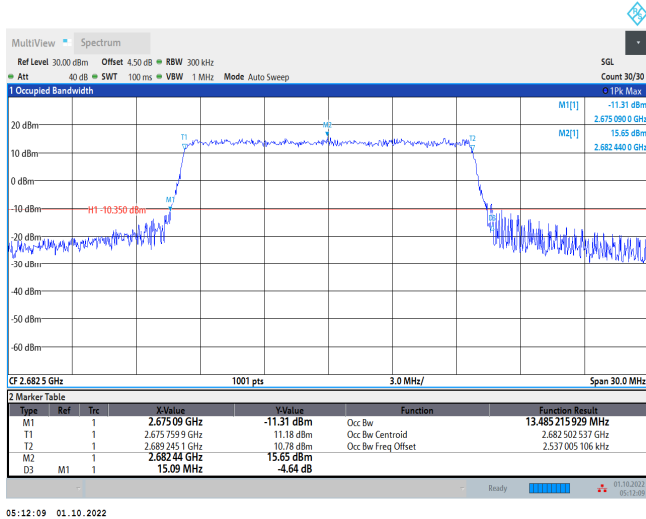
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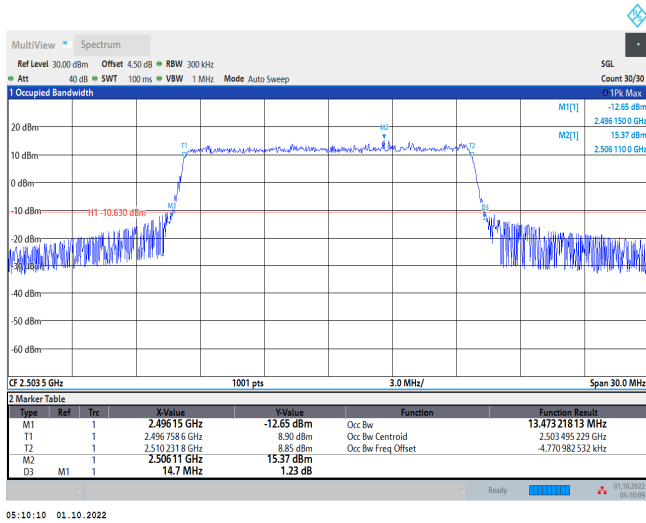
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Band41-15MHz-64QAM-41515-75RB#0



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

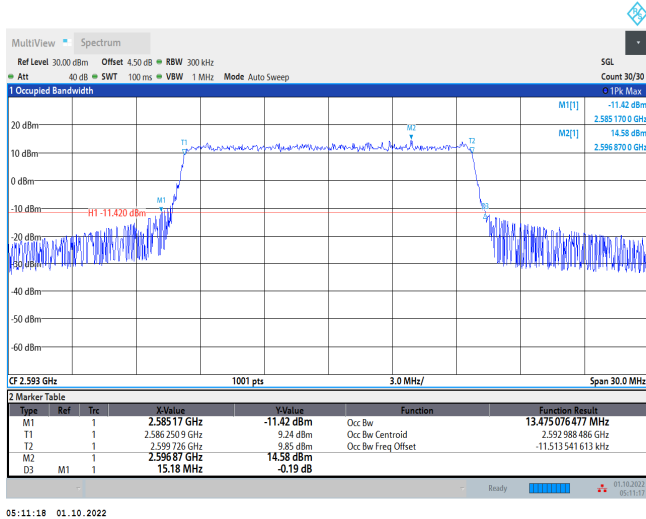


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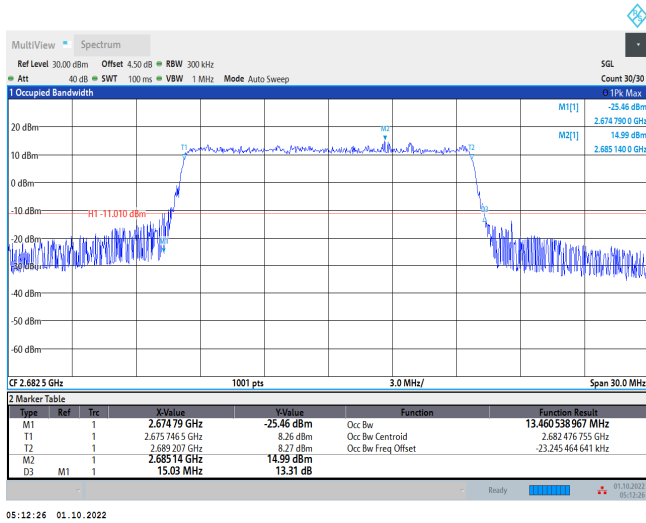
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Band41-15MHz-256QAM-40620-75RB#0



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

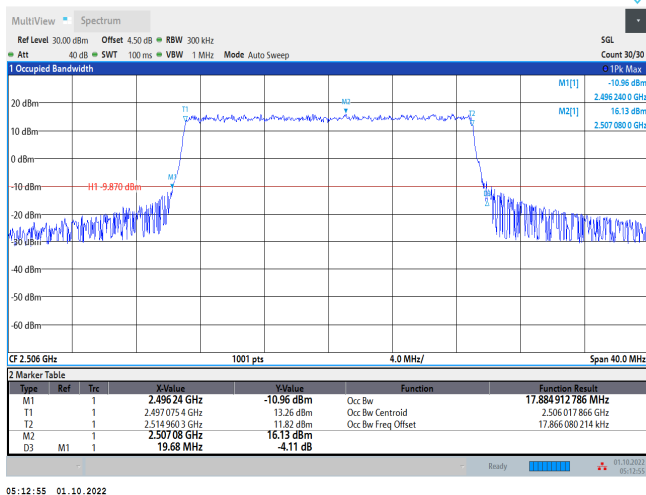


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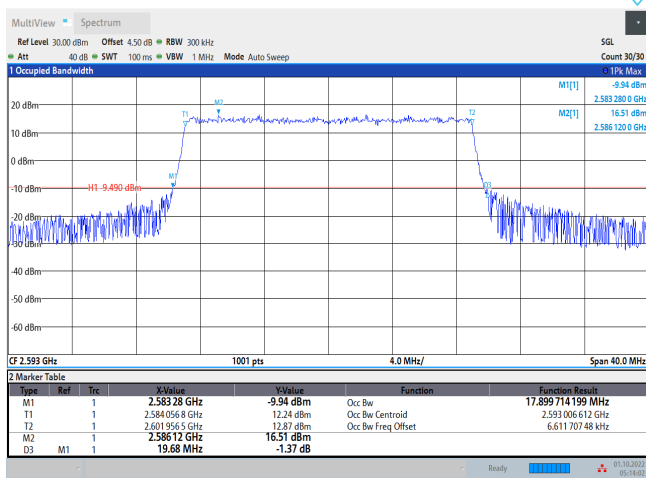
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Band41-20MHz-QPSK-39750-100RB#0



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



05:14:03 01.10.2022

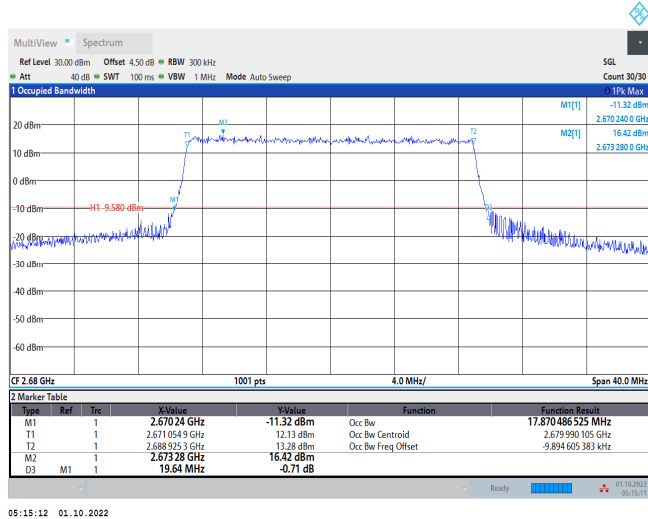


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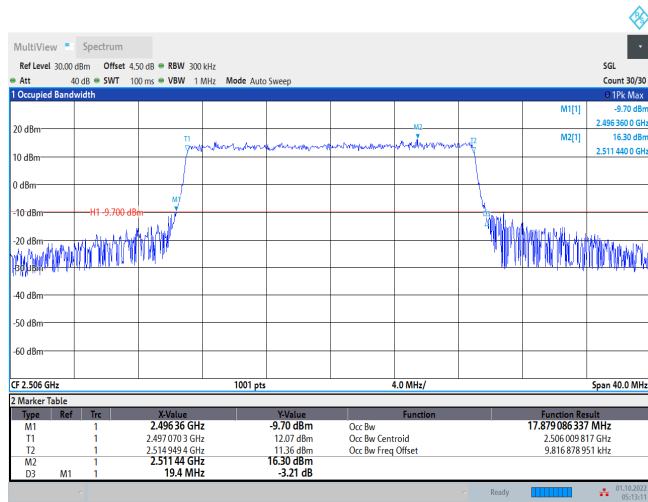
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Band41-20MHz-QPSK-41490-100RB#0



05:15:12 01.10.2022

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



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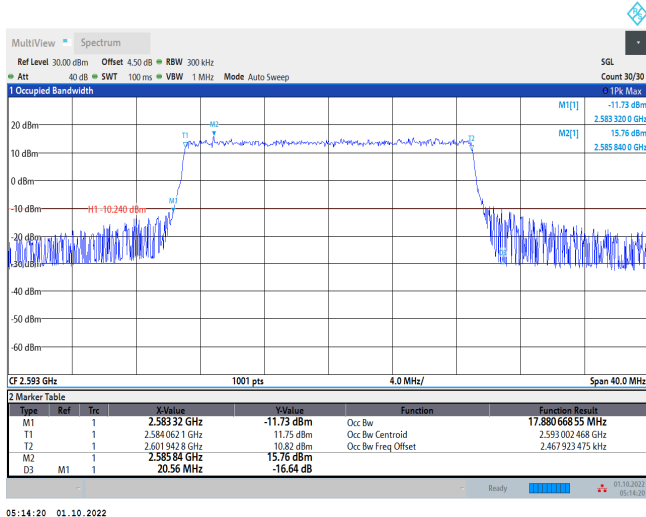
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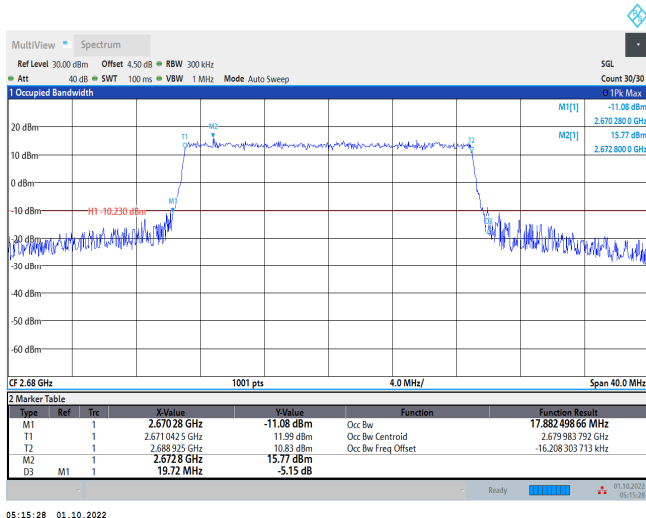
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Band41-20MHz-16QAM-40620-100RB#0



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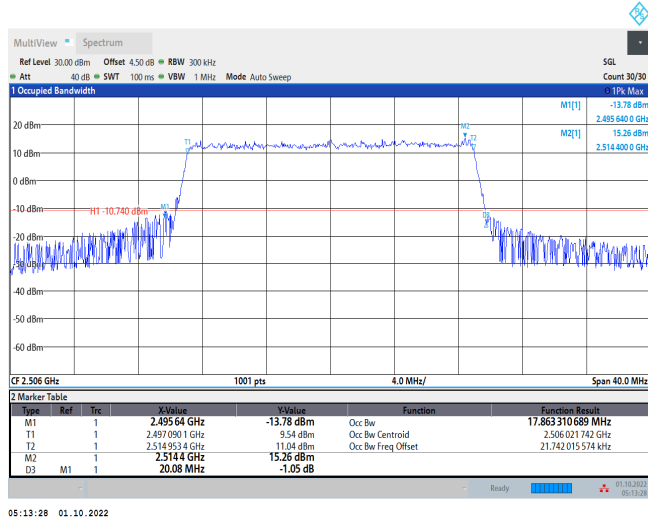


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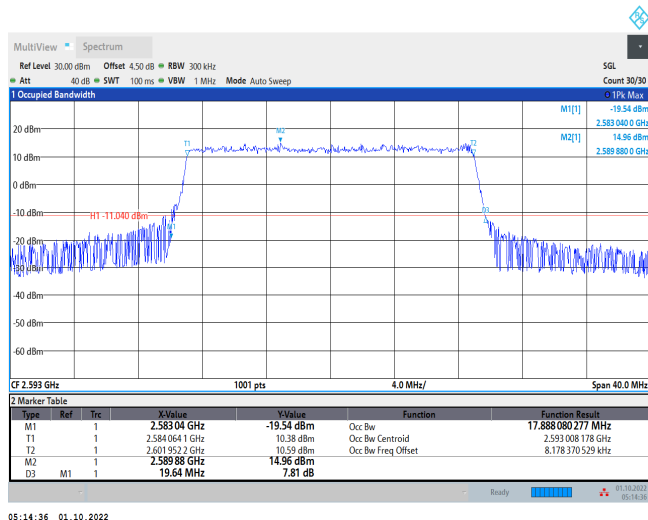
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Band41-20MHz-64QAM-39750-100RB#0



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

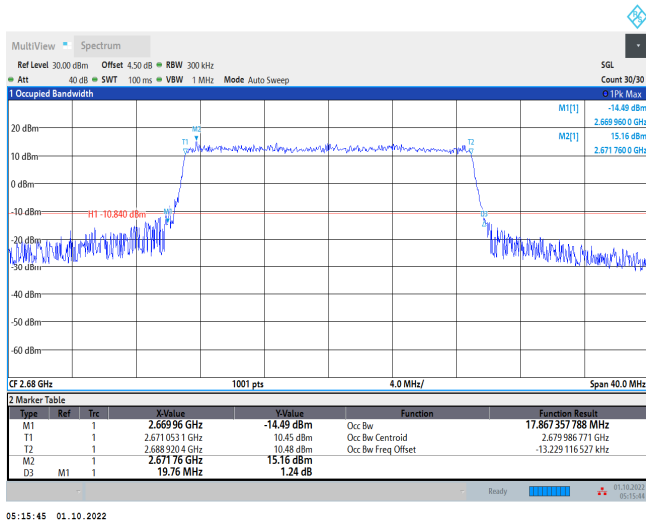


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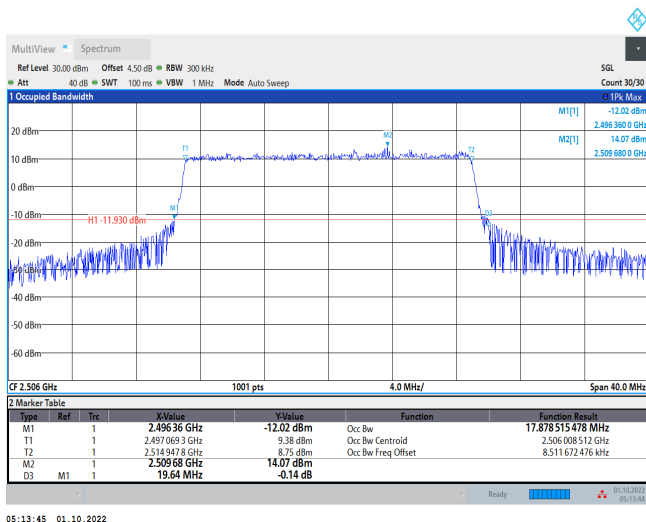
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Band41-20MHz-64QAM-41490-100RB#0



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

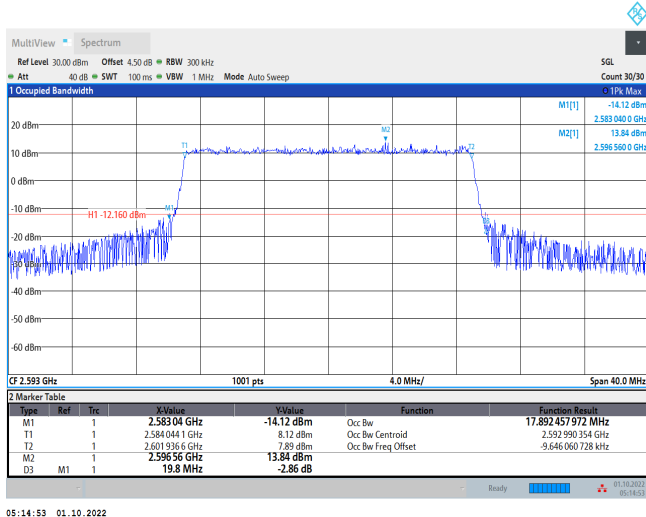


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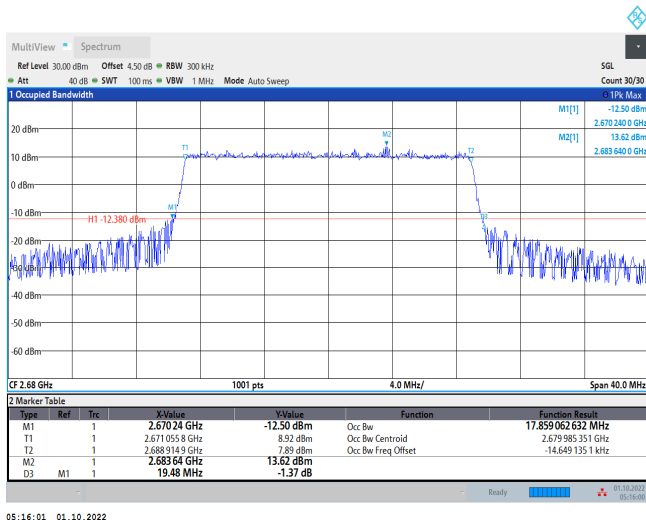
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Band41-20MHz-256QAM-40620-100RB#0



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



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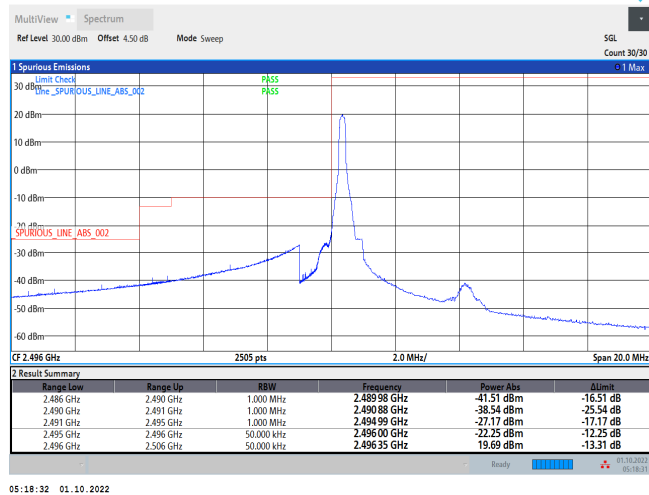
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# Band Edge

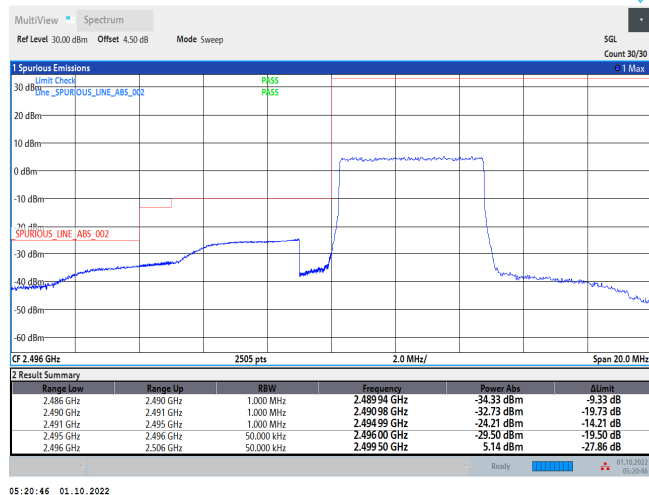
## Test Graphs

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



05:18:32 01.10.2022

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



05:20:46 01.10.2022

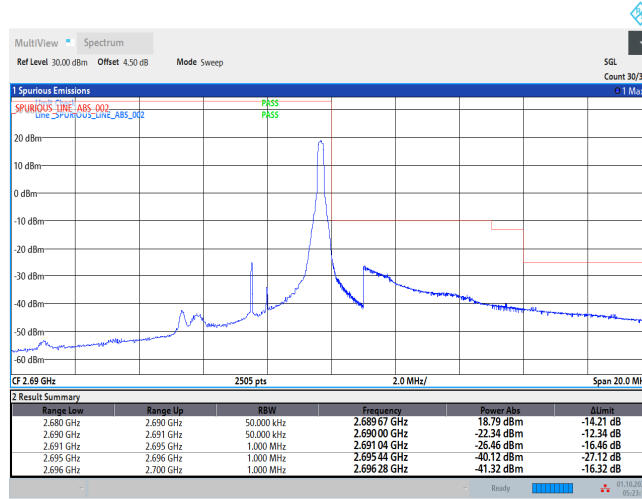


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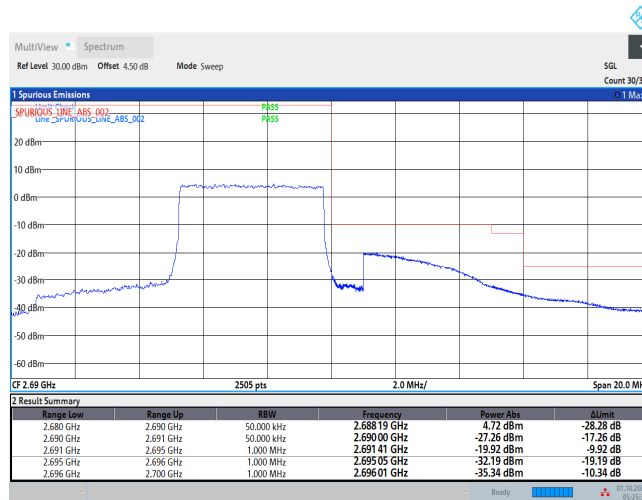
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Band41-5MHz-QPSK-41565-1RB#24



05:23:17 01.10.2022

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



05:25:32 01.10.2022



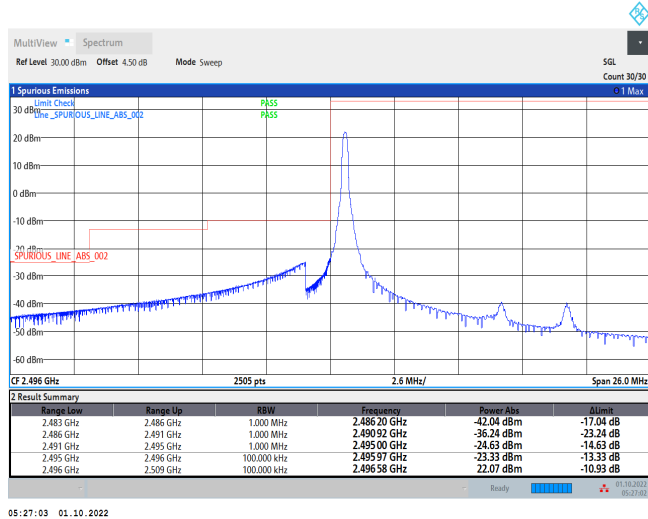
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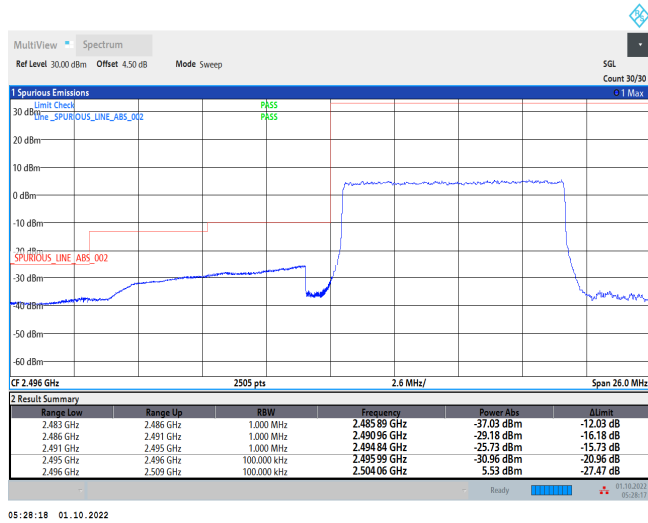
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Band41-10MHz-QPSK-39700-1RB#0

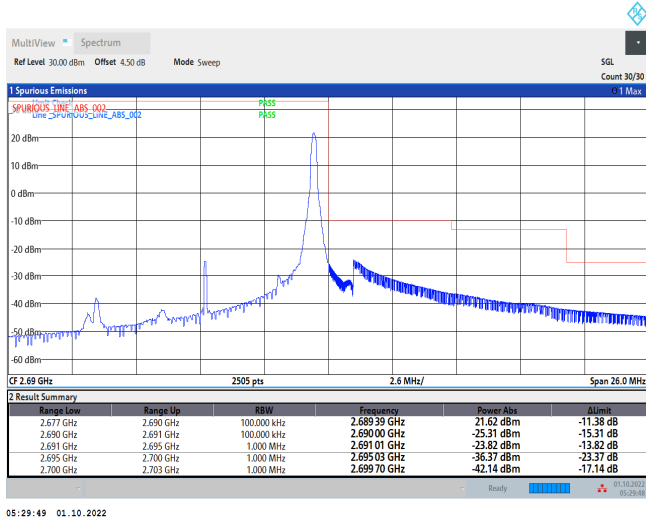


Band41-10MHz-QPSK-39700-50RB#0



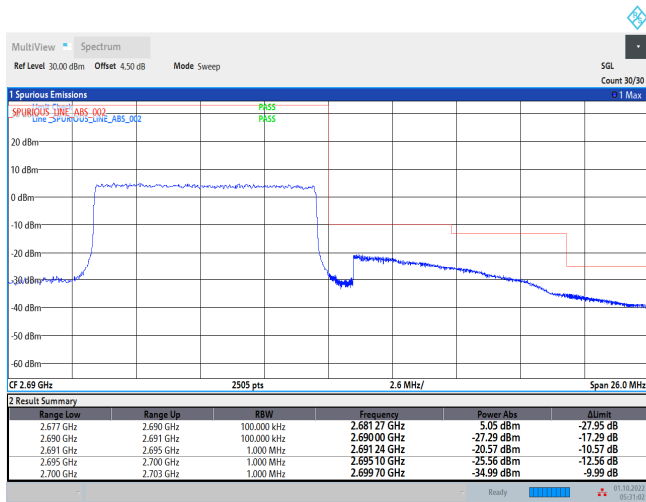
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Band41-10MHz-QPSK-41540-1RB#49



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



05:31:03 01.10.2022

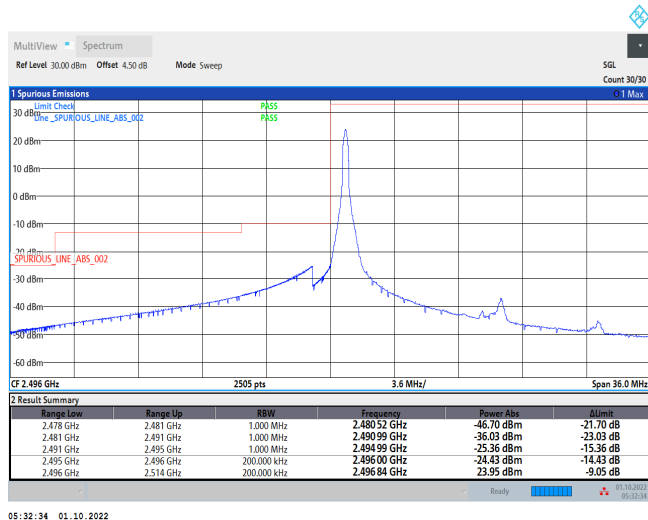


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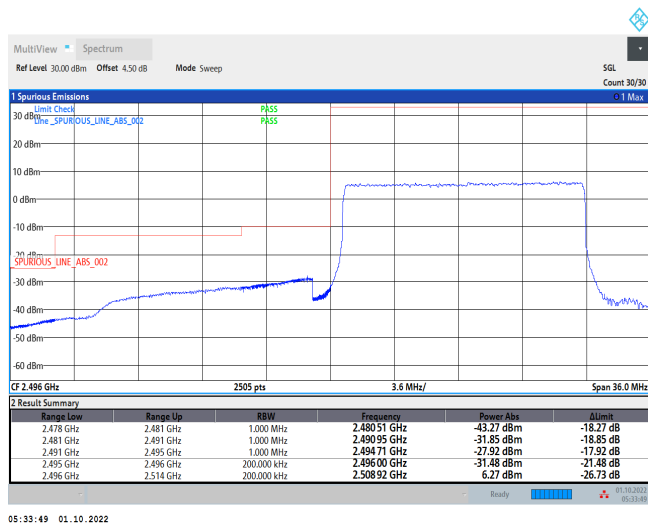
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Band41-15MHz-QPSK-39725-1RB#0

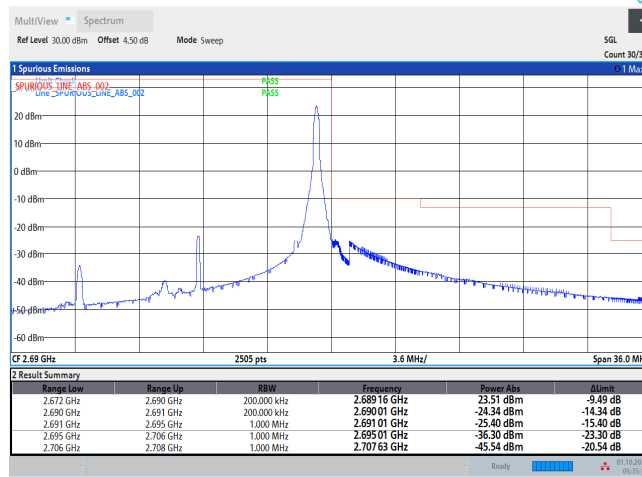


Band41-15MHz-QPSK-39725-75RB#0



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



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



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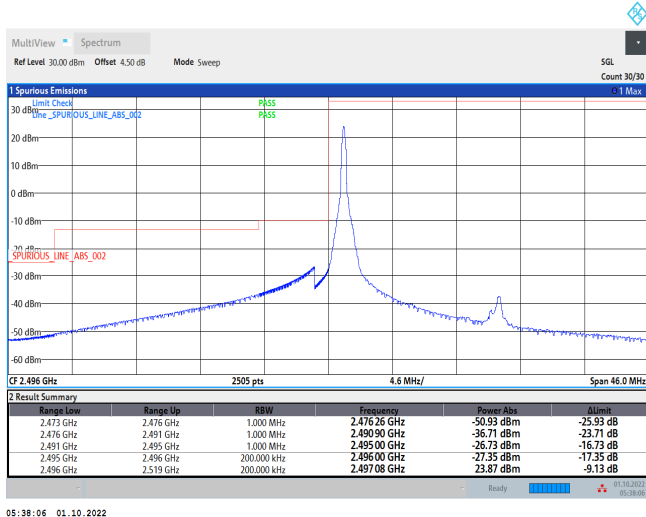


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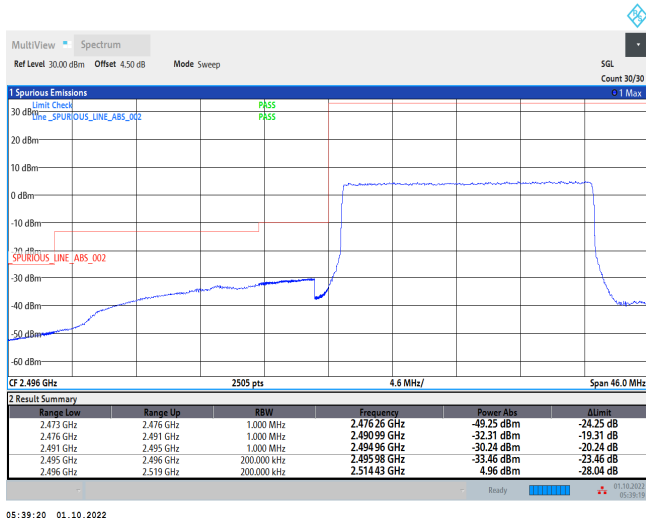
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Band41-20MHz-QPSK-39750-1RB#0



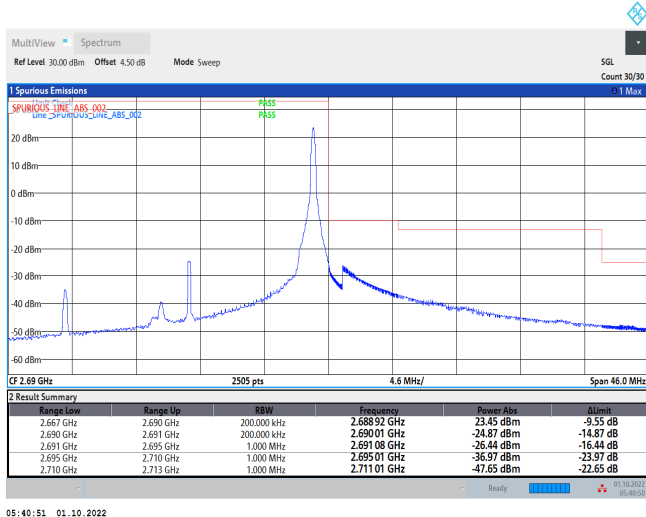
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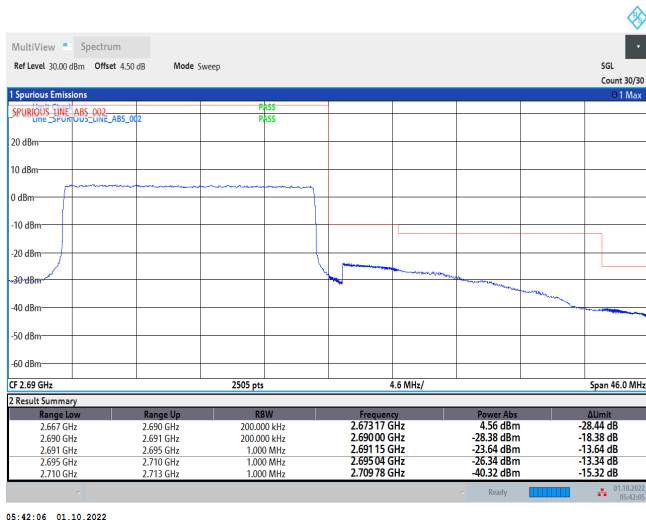
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Band41-20MHz-QPSK-41490-1RB#99



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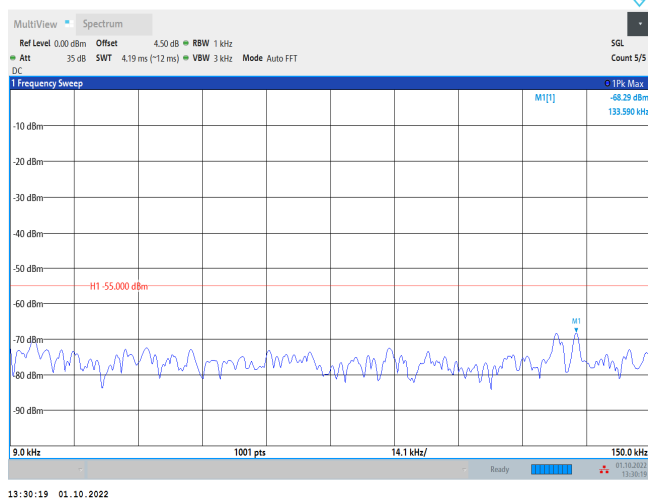
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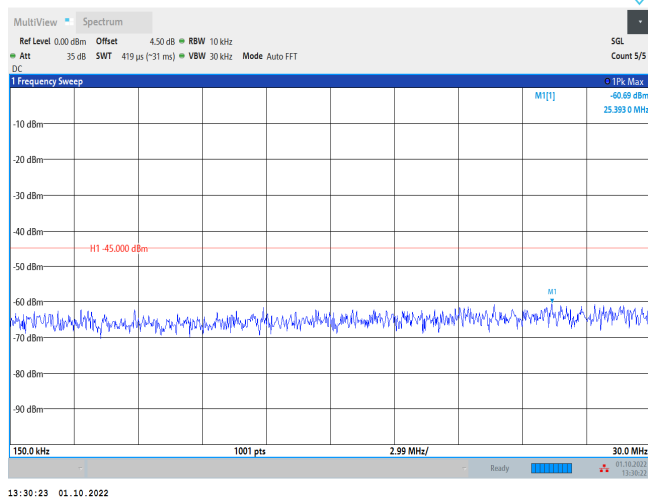
## Conducted Spurious Emission

### Test Graphs

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



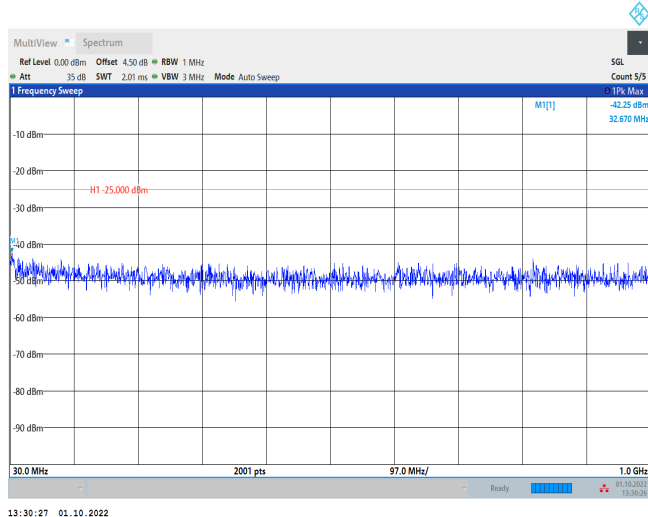
Band41-20MHz-QPSK-39750-1RB#0-Range2:0.15~30MHz



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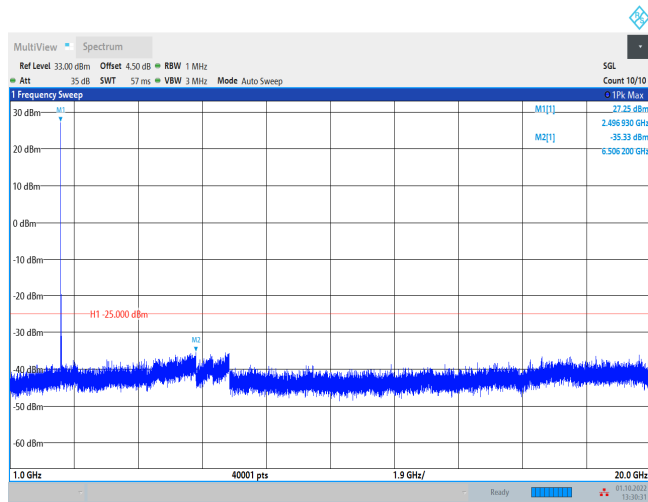
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Band41-20MHz-QPSK-39750-1RB#0-Range3:30~1000MHz



13:30:27 01.10.2022

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



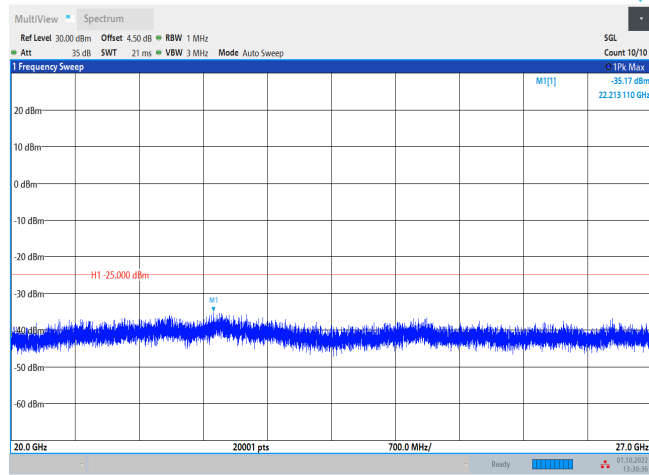
13:30:32 01.10.2022



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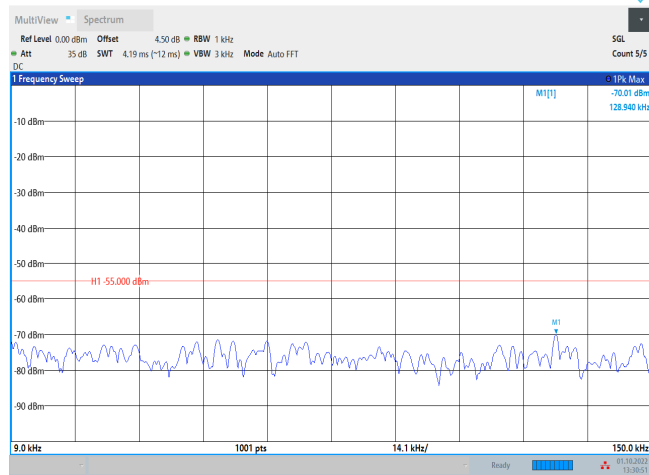
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Band41-20MHz-QPSK-39750-1RB#0-Range5:20000~27000MHz



13:30:37 01.10.2022

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



13:30:51 01.10.2022

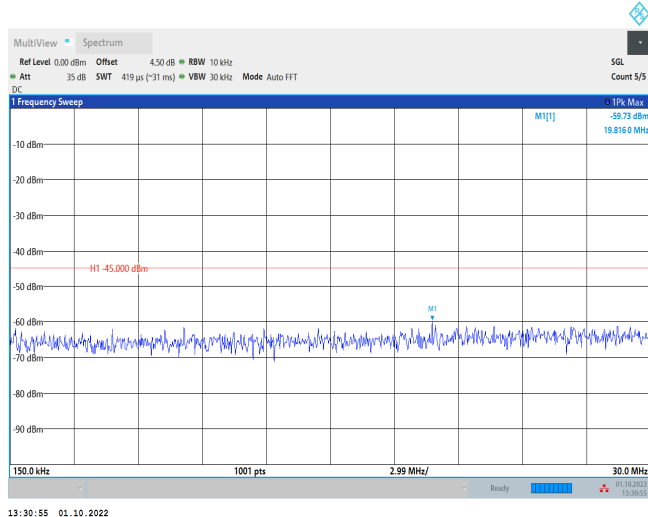


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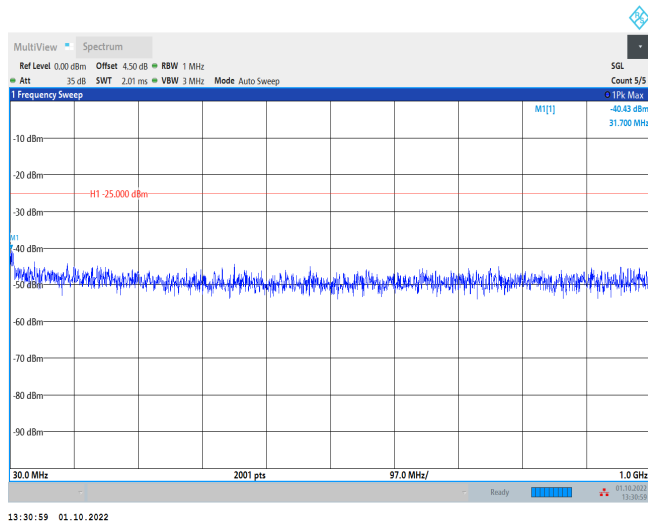
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Band41-20MHz-QPSK-40620-1RB#0-Range2:0.15~30MHz



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

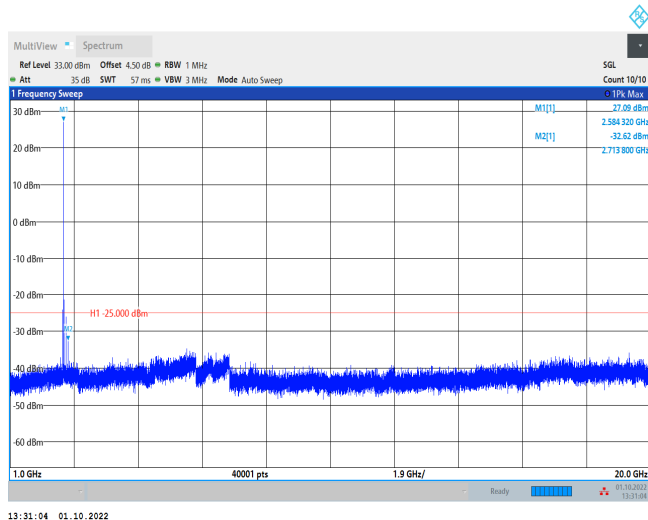


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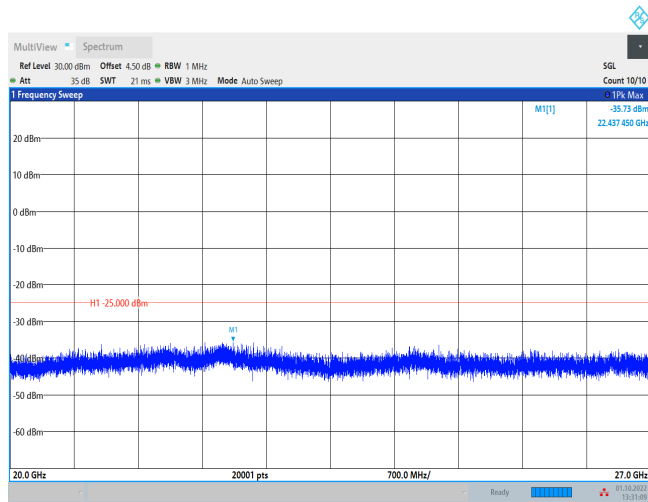


Band41-20MHz-QPSK-40620-1RB#0-Range4:1000~20000MHz



13:31:04 01.10.2022

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



13:31:10 01.10.2022

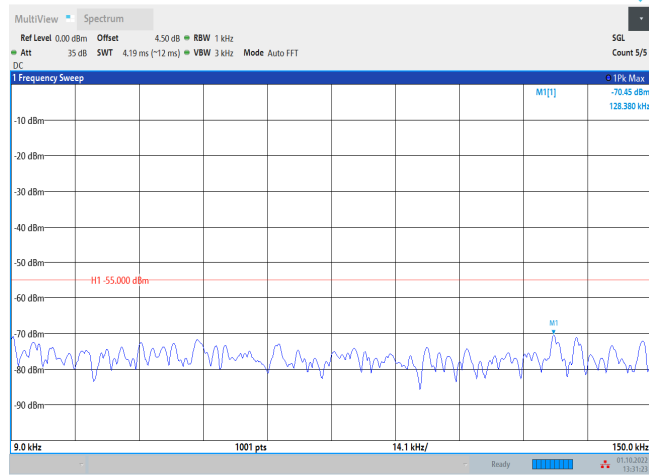


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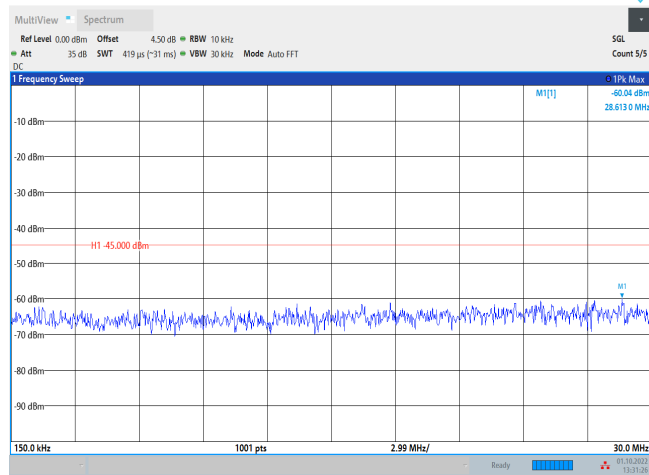
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Band41-20MHz-QPSK-41490-1RB#0-Range1:0.009~0.15MHz



13:31:23 01.10.2022

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



13:31:27 01.10.2022

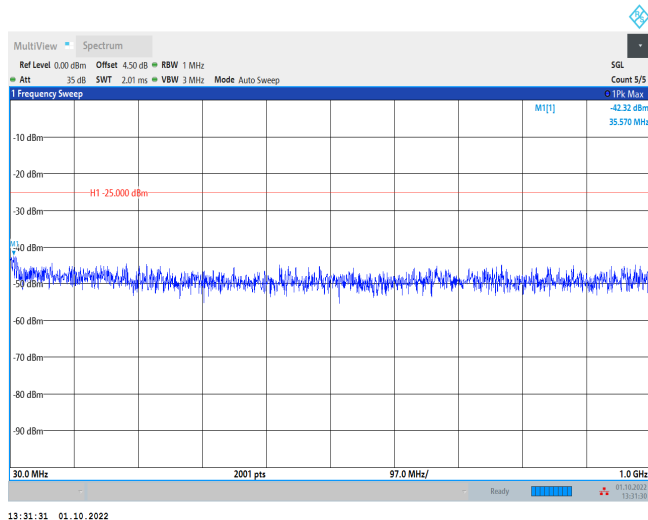


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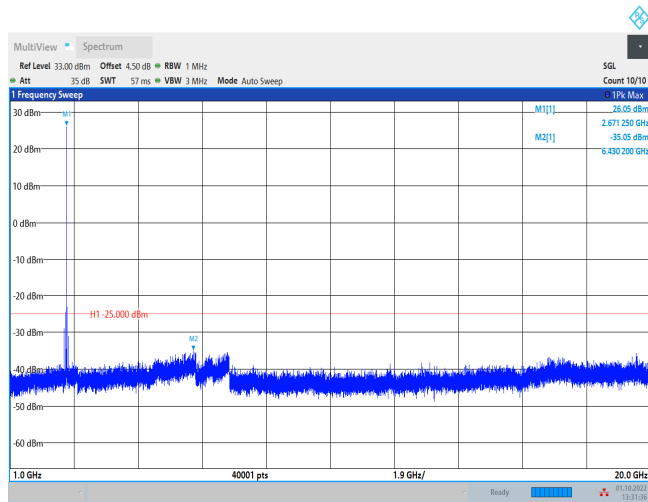
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Band41-20MHz-QPSK-41490-1RB#0-Range3:30~1000MHz



13:31:31 01.10.2022

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



13:31:36 01.10.2022

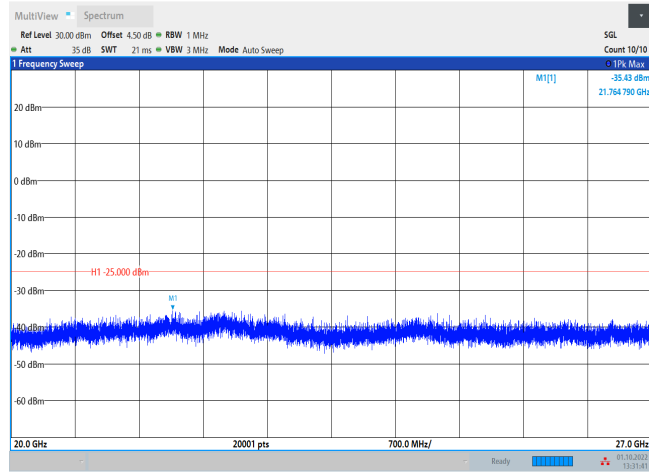


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Band41-20MHz-QPSK-41490-1RB#0-Range5:20000~27000MHz



13:31:42 01.10.2022



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### Field Strength of Spurious Radiation

Test Band = LTE Band 41 ANTO\_TM1  
 Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994.18	49.33	-44.94	32.59	-58.28	-25.00	33.28	156	11	Horizontal
2	7491.27	46.73	-41.63	36.49	-53.67	-25.00	28.67	198	360	Horizontal
3	9988.36	43.58	-37.16	38.50	-50.34	-25.00	25.34	214	278	Horizontal
4	12485.45	40.85	-35.26	39.09	-50.58	-25.00	25.58	256	359	Horizontal
5	14982.54	40.00	-33.99	39.22	-50.03	-25.00	25.03	137	183	Horizontal
6	17479.63	38.62	-31.91	40.53	-48.02	-25.00	23.02	158	360	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994.18	50.15	-44.94	32.59	-57.46	-25.00	32.46	163	141	Vertical
2	7491.27	47.76	-41.63	36.49	-52.64	-25.00	27.64	195	123	Vertical
3	9988.36	43.03	-37.16	38.50	-50.89	-25.00	25.89	214	263	Vertical
4	12485.45	41.10	-35.26	39.09	-50.33	-25.00	25.33	149	270	Vertical
5	14982.54	40.90	-33.99	39.22	-49.13	-25.00	24.13	226	11	Vertical
6	17479.63	39.28	-31.91	40.53	-47.36	-25.00	22.36	197	360	Vertical



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Test Band = LTE Band 41 ANT0\_TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4482.8571	51.29	-44.78	31.37	-57.38	-25.00	32.38	216	61	Horizontal
2	5168.18	49.51	-44.19	32.60	-57.34	-25.00	32.34	223	330	Horizontal
3	7752.27	47.78	-40.95	37.01	-51.43	-25.00	26.43	175	209	Horizontal
4	10336.36	41.33	-36.70	38.87	-51.76	-25.00	26.76	198	199	Horizontal
5	12920.45	41.09	-34.87	39.52	-49.52	-25.00	24.52	156	208	Horizontal
6	15504.54	39.92	-34.15	38.54	-50.95	-25.00	25.95	127	94	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4337.1429	51.37	-44.93	31.14	-57.68	-25.00	32.68	163	244	Vertical
2	5168.18	49.09	-44.19	32.60	-57.76	-25.00	32.76	175	359	Vertical
3	7752.27	48.14	-40.95	37.01	-51.07	-25.00	26.07	215	80	Vertical
4	10336.36	42.73	-36.70	38.87	-50.36	-25.00	25.36	228	182	Vertical
5	12920.45	40.18	-34.87	39.52	-50.43	-25.00	25.43	192	80	Vertical
6	15504.54	40.12	-34.15	38.54	-50.75	-25.00	25.75	163	261	Vertical



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 sgs.china@sgs.com

**Test Band = LTE Band 41 ANT0\_TM1**

**Test Channel = High Channel**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4017.8571	51.72	-45.37	30.63	-58.28	-25.00	33.28	163	62	Horizontal
2	5255.18	50.88	-44.07	32.60	-55.85	-25.00	30.85	215	360	Horizontal
3	7882.77	47.02	-40.65	37.27	-51.63	-25.00	26.63	228	36	Horizontal
4	10510.36	41.93	-36.37	39.06	-50.63	-25.00	25.63	195	360	Horizontal
5	13137.95	40.61	-34.60	39.68	-49.57	-25.00	24.57	165	237	Horizontal
6	15765.54	40.80	-34.12	38.20	-50.38	-25.00	25.38	217	28	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4292.1429	51.67	-44.95	31.07	-57.47	-25.00	32.47	223	114	Vertical
2	5255.18	50.88	-44.07	32.60	-55.85	-25.00	30.85	163	10	Vertical
3	7882.77	51.54	-40.65	37.27	-47.11	-25.00	22.11	215	11	Vertical
4	10510.36	42.31	-36.37	39.06	-50.25	-25.00	25.25	197	70	Vertical
5	13137.95	40.85	-34.60	39.68	-49.33	-25.00	24.33	158	221	Vertical
6	15765.54	41.47	-34.12	38.20	-49.71	-25.00	24.71	161	273	Vertical



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Test Band = LTE Band 41 ANT1\_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994.18	49.05	-44.94	32.59	-58.56	-25.00	33.56	125	3	Horizontal
2	7491.27	46.27	-41.63	36.49	-54.13	-25.00	29.13	175	330	Horizontal
3	9988.36	43.08	-37.16	38.50	-50.84	-25.00	25.84	165	277	Horizontal
4	12485.45	40.30	-35.26	39.09	-51.13	-25.00	26.13	189	337	Horizontal
5	14982.54	38.95	-33.99	39.22	-51.08	-25.00	26.08	123	234	Horizontal
6	17479.63	37.21	-31.91	40.53	-49.43	-25.00	24.43	118	234	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994.18	49.18	-44.94	32.59	-58.43	-25.00	33.43	163	278	Vertical
2	7491.27	47.30	-41.63	36.49	-53.10	-25.00	28.10	195	45	Vertical
3	9988.36	43.08	-37.16	38.50	-50.84	-25.00	25.84	162	183	Vertical
4	12485.45	39.69	-35.26	39.09	-51.74	-25.00	26.74	172	88	Vertical
5	14982.54	39.41	-33.99	39.22	-50.62	-25.00	25.62	186	345	Vertical
6	17479.63	36.40	-31.91	40.53	-50.24	-25.00	25.24	119	359	Vertical



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Test Band = LTE Band 41 ANT1\_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4440	50.77	-44.84	31.30	-58.03	-25.00	33.03	117	218	Horizontal
2	5168.18	48.99	-44.19	32.60	-57.86	-25.00	32.86	186	357	Horizontal
3	7752.27	47.38	-40.95	37.01	-51.83	-25.00	26.83	159	339	Horizontal
4	10336.36	39.72	-36.70	38.87	-53.37	-25.00	28.37	215	45	Horizontal
5	12920.45	40.13	-34.87	39.52	-50.48	-25.00	25.48	226	37	Horizontal
6	15504.54	39.45	-34.15	38.54	-51.42	-25.00	26.42	137	211	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4341.4286	52.15	-44.92	31.15	-56.89	-25.00	31.89	163	3	Vertical
2	5168.18	48.31	-44.19	32.60	-58.54	-25.00	33.54	217	360	Vertical
3	7752.27	48.00	-40.95	37.01	-51.21	-25.00	26.21	228	139	Vertical
4	10336.36	41.06	-36.70	38.87	-52.03	-25.00	27.03	198	339	Vertical
5	12920.45	39.01	-34.87	39.52	-51.60	-25.00	26.60	157	359	Vertical
6	15504.54	39.80	-34.15	38.54	-51.07	-25.00	26.07	116	287	Vertical



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Test Band = LTE Band 41 ANT1\_ TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4450.7143	50.72	-44.83	31.32	-58.05	-25.00	33.05	163	139	Horizontal
2	5255.18	49.69	-44.07	32.60	-57.04	-25.00	32.04	217	19	Horizontal
3	7882.77	44.87	-40.65	37.27	-53.78	-25.00	28.78	115	182	Horizontal
4	10510.36	40.71	-36.37	39.06	-51.85	-25.00	26.85	192	303	Horizontal
5	13137.95	40.30	-34.60	39.68	-49.88	-25.00	24.88	164	182	Horizontal
6	15765.54	41.02	-34.12	38.20	-50.16	-25.00	25.16	186	104	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4163.5714	50.88	-45.01	30.86	-58.53	-25.00	33.53	221	360	Vertical
2	5255.18	50.26	-44.07	32.60	-56.47	-25.00	31.47	214	132	Vertical
3	7882.77	45.60	-40.65	37.27	-53.05	-25.00	28.05	253	18	Vertical
4	10510.36	40.32	-36.37	39.06	-52.24	-25.00	27.24	162	359	Vertical
5	13137.95	40.58	-34.60	39.68	-49.60	-25.00	24.60	179	18	Vertical
6	15765.54	40.59	-34.12	38.20	-50.59	-25.00	25.59	183	123	Vertical



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Test Band = LTE Band 41 ANT2\_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994.18	48.21	-44.94	32.59	-59.40	-25.00	34.40	156	62	Horizontal
2	7491.27	47.05	-41.63	36.49	-53.35	-25.00	28.35	217	271	Horizontal
3	9988.36	43.11	-37.16	38.50	-50.81	-25.00	25.81	189	253	Horizontal
4	12485.45	39.18	-35.26	39.09	-52.25	-25.00	27.25	152	359	Horizontal
5	14982.54	39.03	-33.99	39.22	-51.00	-25.00	26.00	117	3	Horizontal
6	17479.63	36.99	-31.91	40.53	-49.65	-25.00	24.65	183	298	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994.18	47.86	-44.94	32.59	-59.75	-25.00	34.75	129	360	Vertical
2	7491.27	46.15	-41.63	36.49	-54.25	-25.00	29.25	214	359	Vertical
3	9988.36	43.03	-37.16	38.50	-50.89	-25.00	25.89	225	296	Vertical
4	12485.45	39.36	-35.26	39.09	-52.07	-25.00	27.07	236	3	Vertical
5	14982.54	39.02	-33.99	39.22	-51.01	-25.00	26.01	186	359	Vertical
6	17479.63	36.63	-31.91	40.53	-50.01	-25.00	25.01	172	314	Vertical



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Test Band = LTE Band 41 ANT2\_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4397.1429	51.71	-44.90	31.24	-57.22	-25.00	32.22	134	61	Horizontal
2	5168.18	49.03	-44.19	32.60	-57.82	-25.00	32.82	152	36	Horizontal
3	7752.27	47.12	-40.95	37.01	-52.09	-25.00	27.09	169	182	Horizontal
4	10336.36	40.61	-36.70	38.87	-52.48	-25.00	27.48	172	277	Horizontal
5	12920.45	40.21	-34.87	39.52	-50.40	-25.00	25.40	158	243	Horizontal
6	15504.54	38.26	-34.15	38.54	-52.61	-25.00	27.61	216	352	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4371.4286	50.77	-44.91	31.19	-58.21	-25.00	33.21	251	3	Vertical
2	5168.18	49.27	-44.19	32.60	-57.58	-25.00	32.58	142	28	Vertical
3	7752.27	47.11	-40.95	37.01	-52.10	-25.00	27.10	193	244	Vertical
4	10336.36	40.05	-36.70	38.87	-53.04	-25.00	28.04	261	360	Vertical
5	12920.45	39.36	-34.87	39.52	-51.25	-25.00	26.25	178	331	Vertical
6	15504.54	39.32	-34.15	38.54	-51.55	-25.00	26.55	155	3	Vertical



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**Test Band = LTE Band 41 ANT2\_ TM1**

**Test Channel = High Channel**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4360.7143	51.76	-44.92	31.18	-57.24	-25.00	32.24	223	360	Horizontal
2	5255.18	49.72	-44.07	32.60	-57.01	-25.00	32.01	145	192	Horizontal
3	7882.77	44.79	-40.65	37.27	-53.86	-25.00	28.86	216	89	Horizontal
4	10510.36	40.80	-36.37	39.06	-51.76	-25.00	26.76	198	306	Horizontal
5	13137.95	40.62	-34.60	39.68	-49.56	-25.00	24.56	172	347	Horizontal
6	15765.54	41.56	-34.12	38.20	-49.62	-25.00	24.62	163	3	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4236.4286	51.58	-44.99	30.98	-57.69	-25.00	32.69	151	11	Vertical
2	5255.18	49.86	-44.07	32.60	-56.87	-25.00	31.87	175	107	Vertical
3	7882.77	45.14	-40.65	37.27	-53.51	-25.00	28.51	184	309	Vertical
4	10510.36	40.85	-36.37	39.06	-51.71	-25.00	26.71	216	248	Vertical
5	13137.95	39.61	-34.60	39.68	-50.57	-25.00	25.57	223	187	Vertical
6	15765.54	40.08	-34.12	38.20	-51.10	-25.00	26.10	172	3	Vertical



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Test Band = LTE Band 41 ANT3\_TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994.18	49.18	-44.94	32.59	-58.43	-25.00	33.43	216	183	Horizontal
2	7491.27	47.77	-41.63	36.49	-52.63	-25.00	27.63	224	174	Horizontal
3	9988.36	43.31	-37.16	38.50	-50.61	-25.00	25.61	178	279	Horizontal
4	12485.45	39.60	-35.26	39.09	-51.83	-25.00	26.83	192	115	Horizontal
5	14982.54	39.52	-33.99	39.22	-50.51	-25.00	25.51	163	297	Horizontal
6	17479.63	37.50	-31.91	40.53	-49.14	-25.00	24.14	217	167	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994.18	48.39	-44.94	32.59	-59.22	-25.00	34.22	163	303	Vertical
2	7491.27	46.79	-41.63	36.49	-53.61	-25.00	28.61	226	199	Vertical
3	9988.36	42.07	-37.16	38.50	-51.85	-25.00	26.85	145	139	Vertical
4	12485.45	39.39	-35.26	39.09	-52.04	-25.00	27.04	186	356	Vertical
5	14982.54	39.87	-33.99	39.22	-50.16	-25.00	25.16	192	208	Vertical
6	17479.63	36.97	-31.91	40.53	-49.67	-25.00	24.67	167	79	Vertical



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**Test Band = LTE Band 41 ANT3\_ TM1**

**Test Channel = Mid Channel**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4332.8571	51.31	-44.93	31.13	-57.74	-25.00	32.74	163	70	Horizontal
2	5168.18	49.09	-44.19	32.60	-57.76	-25.00	32.76	215	321	Horizontal
3	7752.27	47.30	-40.95	37.01	-51.91	-25.00	26.91	227	360	Horizontal
4	10336.36	40.14	-36.70	38.87	-52.95	-25.00	27.95	185	105	Horizontal
5	12920.45	40.49	-34.87	39.52	-50.12	-25.00	25.12	194	45	Horizontal
6	15504.54	38.53	-34.15	38.54	-52.34	-25.00	27.34	142	54	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4264.2857	51.27	-44.97	31.02	-57.94	-25.00	32.94	221	345	Vertical
2	5168.18	48.92	-44.19	32.60	-57.93	-25.00	32.93	156	70	Vertical
3	7752.27	48.07	-40.95	37.01	-51.14	-25.00	26.14	197	3	Vertical
4	10336.36	40.71	-36.70	38.87	-52.38	-25.00	27.38	216	359	Vertical
5	12920.45	40.46	-34.87	39.52	-50.15	-25.00	25.15	253	260	Vertical
6	15504.54	39.21	-34.15	38.54	-51.66	-25.00	26.66	146	45	Vertical



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**Test Band = LTE Band 41 ANT3\_ TM1**

**Test Channel = High Channel**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4377.8571	51.04	-44.91	31.20	-57.92	-25.00	32.92	146	360	Horizontal
2	5255.18	49.69	-44.07	32.60	-57.04	-25.00	32.04	215	114	Horizontal
3	7882.77	44.68	-40.65	37.27	-53.97	-25.00	28.97	283	11	Horizontal
4	10510.36	40.43	-36.37	39.06	-52.13	-25.00	27.13	186	63	Horizontal
5	13137.95	40.64	-34.60	39.68	-49.54	-25.00	24.54	194	305	Horizontal
6	15765.54	39.92	-34.12	38.20	-51.26	-25.00	26.26	215	359	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4356.4286	50.32	-44.92	31.17	-58.69	-25.00	33.69	163	113	Vertical
2	5255.18	49.47	-44.07	32.60	-57.26	-25.00	32.26	195	241	Vertical
3	7882.77	45.16	-40.65	37.27	-53.49	-25.00	28.49	214	293	Vertical
4	10510.36	40.39	-36.37	39.06	-52.17	-25.00	27.17	186	241	Vertical
5	13137.95	40.64	-34.60	39.68	-49.54	-25.00	24.54	172	241	Vertical
6	15765.54	40.54	-34.12	38.20	-50.64	-25.00	25.64	216	241	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



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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	-2.30	-0.000887	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-1.90	-0.000733	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	-1.40	-0.000540	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-2.20	-0.000848	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-1.50	-0.000578	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	-2.80	-0.001080	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-5.10	-0.001967	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-1.30	-0.000501	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	-0.50	-0.000193	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	1.20	0.000463	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-2.50	-0.000964	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	-2.20	-0.000848	PASS

---End of Attachment---



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