

Report No.: SEWM2304000122RG01

Rev.: 01

Page: 1 of 63

Appendix B.15

LTE Band 41



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Report No.: SEWM2304000122RG01

Rev.: 01

Page: 2 of 63

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	25.95	26.73	33	PASS
Band41	5MHz	16QAM	39675	1RB#0	25.13	25.91	33	PASS
Band41	5MHz	64QAM	39675	1RB#0	24.4	25.18	33	PASS
Band41	5MHz	256QAM	39675	1RB#0	21.18	21.96	33	PASS
Band41	5MHz	QPSK	39675	1RB#12	25.91	26.69	33	PASS
Band41	5MHz	16QAM	39675	1RB#12	25.04	25.82	33	PASS
Band41	5MHz	64QAM	39675	1RB#12	24.32	25.1	33	PASS
Band41	5MHz	256QAM	39675	1RB#12	21.21	21.99	33	PASS
Band41	5MHz	QPSK	39675	1RB#24	25.83	26.61	33	PASS
Band41	5MHz	16QAM	39675	1RB#24	24.98	25.76	33	PASS
Band41	5MHz	64QAM	39675	1RB#24	24.38	25.16	33	PASS
Band41	5MHz	256QAM	39675	1RB#24	21.11	21.89	33	PASS
Band41	5MHz	QPSK	39675	25RB#0	25.03	25.81	33	PASS
Band41	5MHz	16QAM	39675	25RB#0	24.06	24.84	33	PASS
Band41	5MHz	64QAM	39675	25RB#0	23.06	23.84	33	PASS
Band41	5MHz	256QAM	39675	25RB#0	21.04	21.82	33	PASS
Band41	5MHz	QPSK	40620	1RB#0	26.03	26.81	33	PASS
Band41	5MHz	16QAM	40620	1RB#0	25.18	25.96	33	PASS
Band41	5MHz	64QAM	40620	1RB#0	24.38	25.16	33	PASS
Band41	5MHz	256QAM	40620	1RB#0	21.28	22.06	33	PASS
Band41	5MHz	QPSK	40620	1RB#12	26.11	26.89	33	PASS
Band41	5MHz	16QAM	40620	1RB#12	25.27	26.05	33	PASS
Band41	5MHz	64QAM	40620	1RB#12	24.66	25.44	33	PASS
Band41	5MHz	256QAM	40620	1RB#12	21.41	22.19	33	PASS
Band41	5MHz	QPSK	40620	1RB#24	26.06	26.84	33	PASS
Band41	5MHz	16QAM	40620	1RB#24	25.26	26.04	33	PASS
Band41	5MHz	64QAM	40620	1RB#24	24.47	25.25	33	PASS
Band41	5MHz	256QAM	40620	1RB#24	21.07	21.85	33	PASS
Band41	5MHz	QPSK	40620	25RB#0	25.13	25.91	33	PASS
Band41	5MHz	16QAM	40620	25RB#0	24.15	24.93	33	PASS
Band41	5MHz	64QAM	40620	25RB#0	23.14	23.92	33	PASS



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Report No.: SEWM2304000122RG01

Rev.: 01

Page: 3 of 63

Band41	5MHz	256QAM	40620	25RB#0	21.15	21.93	33	PASS
Band41	5MHz	QPSK	41565	1RB#0	25.86	26.64	33	PASS
Band41	5MHz	16QAM	41565	1RB#0	24.92	25.7	33	PASS
Band41	5MHz	64QAM	41565	1RB#0	24.22	25	33	PASS
Band41	5MHz	256QAM	41565	1RB#0	21.03	21.81	33	PASS
Band41	5MHz	QPSK	41565	1RB#12	25.83	26.61	33	PASS
Band41	5MHz	16QAM	41565	1RB#12	25.05	25.83	33	PASS
Band41	5MHz	64QAM	41565	1RB#12	24.25	25.03	33	PASS
Band41	5MHz	256QAM	41565	1RB#12	21.12	21.9	33	PASS
Band41	5MHz	QPSK	41565	1RB#24	25.78	26.56	33	PASS
Band41	5MHz	16QAM	41565	1RB#24	25.01	25.79	33	PASS
Band41	5MHz	64QAM	41565	1RB#24	24.27	25.05	33	PASS
Band41	5MHz	256QAM	41565	1RB#24	21.04	21.82	33	PASS
Band41	5MHz	QPSK	41565	25RB#0	24.9	25.68	33	PASS
Band41	5MHz	16QAM	41565	25RB#0	23.93	24.71	33	PASS
Band41	5MHz	64QAM	41565	25RB#0	22.95	23.73	33	PASS
Band41	5MHz	256QAM	41565	25RB#0	20.96	21.74	33	PASS
Band41	10MHz	QPSK	39700	1RB#0	25.91	26.69	33	PASS
Band41	10MHz	16QAM	39700	1RB#0	25.12	25.9	33	PASS
Band41	10MHz	64QAM	39700	1RB#0	24.28	25.06	33	PASS
Band41	10MHz	256QAM	39700	1RB#0	21.18	21.96	33	PASS
Band41	10MHz	QPSK	39700	1RB#24	25.92	26.7	33	PASS
Band41	10MHz	16QAM	39700	1RB#24	25.07	25.85	33	PASS
Band41	10MHz	64QAM	39700	1RB#24	24.37	25.15	33	PASS
Band41	10MHz	256QAM	39700	1RB#24	21.19	21.97	33	PASS
Band41	10MHz	QPSK	39700	1RB#49	25.96	26.74	33	PASS
Band41	10MHz	16QAM	39700	1RB#49	25.07	25.85	33	PASS
Band41	10MHz	64QAM	39700	1RB#49	24.24	25.02	33	PASS
Band41	10MHz	256QAM	39700	1RB#49	21.03	21.81	33	PASS
Band41	10MHz	QPSK	39700	50RB#0	25.05	25.83	33	PASS
Band41	10MHz	16QAM	39700	50RB#0	24.06	24.84	33	PASS
Band41	10MHz	64QAM	39700	50RB#0	23.07	23.85	33	PASS
Band41	10MHz	256QAM	39700	50RB#0	21.04	21.82	33	PASS
Band41	10MHz	QPSK	40620	1RB#0	26.25	27.03	33	PASS
Band41	10MHz	16QAM	40620	1RB#0	25.31	26.09	33	PASS
Band41	10MHz	64QAM	40620	1RB#0	24.41	25.19	33	PASS
Band41	10MHz	256QAM	40620	1RB#0	21.22	22	33	PASS



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Report No.: SEWM2304000122RG01

Rev.: 01

Page: 4 of 63

Band41	10MHz	QPSK	40620	1RB#24	26.12	26.9	33	PASS
Band41	10MHz	16QAM	40620	1RB#24	25.25	26.03	33	PASS
Band41	10MHz	64QAM	40620	1RB#24	24.49	25.27	33	PASS
Band41	10MHz	256QAM	40620	1RB#24	21.39	22.17	33	PASS
Band41	10MHz	QPSK	40620	1RB#49	26	26.78	33	PASS
Band41	10MHz	16QAM	40620	1RB#49	25.3	26.08	33	PASS
Band41	10MHz	64QAM	40620	1RB#49	24.4	25.18	33	PASS
Band41	10MHz	256QAM	40620	1RB#49	21.26	22.04	33	PASS
Band41	10MHz	QPSK	40620	50RB#0	25.13	25.91	33	PASS
Band41	10MHz	16QAM	40620	50RB#0	24.17	24.95	33	PASS
Band41	10MHz	64QAM	40620	50RB#0	23.17	23.95	33	PASS
Band41	10MHz	256QAM	40620	50RB#0	21.14	21.92	33	PASS
Band41	10MHz	QPSK	41540	1RB#0	25.81	26.59	33	PASS
Band41	10MHz	16QAM	41540	1RB#0	24.97	25.75	33	PASS
Band41	10MHz	64QAM	41540	1RB#0	24.14	24.92	33	PASS
Band41	10MHz	256QAM	41540	1RB#0	21	21.78	33	PASS
Band41	10MHz	QPSK	41540	1RB#24	25.78	26.56	33	PASS
Band41	10MHz	16QAM	41540	1RB#24	24.94	25.72	33	PASS
Band41	10MHz	64QAM	41540	1RB#24	24.32	25.1	33	PASS
Band41	10MHz	256QAM	41540	1RB#24	21.12	21.9	33	PASS
Band41	10MHz	QPSK	41540	1RB#49	25.77	26.55	33	PASS
Band41	10MHz	16QAM	41540	1RB#49	24.93	25.71	33	PASS
Band41	10MHz	64QAM	41540	1RB#49	24.4	25.18	33	PASS
Band41	10MHz	256QAM	41540	1RB#49	21.05	21.83	33	PASS
Band41	10MHz	QPSK	41540	50RB#0	24.91	25.69	33	PASS
Band41	10MHz	16QAM	41540	50RB#0	23.94	24.72	33	PASS
Band41	10MHz	64QAM	41540	50RB#0	22.92	23.7	33	PASS
Band41	10MHz	256QAM	41540	50RB#0	20.93	21.71	33	PASS
Band41	15MHz	QPSK	39725	1RB#0	25.83	26.61	33	PASS
Band41	15MHz	16QAM	39725	1RB#0	24.88	25.66	33	PASS
Band41	15MHz	64QAM	39725	1RB#0	24.03	24.81	33	PASS
Band41	15MHz	256QAM	39725	1RB#0	20.92	21.7	33	PASS
Band41	15MHz	QPSK	39725	1RB#38	25.78	26.56	33	PASS
Band41	15MHz	16QAM	39725	1RB#38	24.89	25.67	33	PASS
Band41	15MHz	64QAM	39725	1RB#38	24.12	24.9	33	PASS
Band41	15MHz	256QAM	39725	1RB#38	20.95	21.73	33	PASS
Band41	15MHz	QPSK	39725	1RB#74	25.69	26.47	33	PASS



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Report No.: SEWM2304000122RG01

Rev.: 01

Page: 5 of 63

Band41	15MHz	16QAM	39725	1RB#74	24.76	25.54	33	PASS
Band41	15MHz	64QAM	39725	1RB#74	24.04	24.82	33	PASS
Band41	15MHz	256QAM	39725	1RB#74	21.04	21.82	33	PASS
Band41	15MHz	QPSK	39725	75RB#0	24.84	25.62	33	PASS
Band41	15MHz	16QAM	39725	75RB#0	23.93	24.71	33	PASS
Band41	15MHz	64QAM	39725	75RB#0	22.88	23.66	33	PASS
Band41	15MHz	256QAM	39725	75RB#0	20.92	21.7	33	PASS
Band41	15MHz	QPSK	40620	1RB#0	25.91	26.69	33	PASS
Band41	15MHz	16QAM	40620	1RB#0	25.13	25.91	33	PASS
Band41	15MHz	64QAM	40620	1RB#0	24.23	25.01	33	PASS
Band41	15MHz	256QAM	40620	1RB#0	21.06	21.84	33	PASS
Band41	15MHz	QPSK	40620	1RB#38	25.91	26.69	33	PASS
Band41	15MHz	16QAM	40620	1RB#38	25.15	25.93	33	PASS
Band41	15MHz	64QAM	40620	1RB#38	24.29	25.07	33	PASS
Band41	15MHz	256QAM	40620	1RB#38	21.18	21.96	33	PASS
Band41	15MHz	QPSK	40620	1RB#74	25.88	26.66	33	PASS
Band41	15MHz	16QAM	40620	1RB#74	25.06	25.84	33	PASS
Band41	15MHz	64QAM	40620	1RB#74	24.35	25.13	33	PASS
Band41	15MHz	256QAM	40620	1RB#74	21.22	22	33	PASS
Band41	15MHz	QPSK	40620	75RB#0	24.98	25.76	33	PASS
Band41	15MHz	16QAM	40620	75RB#0	24.02	24.8	33	PASS
Band41	15MHz	64QAM	40620	75RB#0	23.03	23.81	33	PASS
Band41	15MHz	256QAM	40620	75RB#0	21.07	21.85	33	PASS
Band41	15MHz	QPSK	41515	1RB#0	25.51	26.29	33	PASS
Band41	15MHz	16QAM	41515	1RB#0	24.73	25.51	33	PASS
Band41	15MHz	64QAM	41515	1RB#0	24.06	24.84	33	PASS
Band41	15MHz	256QAM	41515	1RB#0	20.82	21.6	33	PASS
Band41	15MHz	QPSK	41515	1RB#38	25.54	26.32	33	PASS
Band41	15MHz	16QAM	41515	1RB#38	24.75	25.53	33	PASS
Band41	15MHz	64QAM	41515	1RB#38	23.93	24.71	33	PASS
Band41	15MHz	256QAM	41515	1RB#38	20.91	21.69	33	PASS
Band41	15MHz	QPSK	41515	1RB#74	25.72	26.5	33	PASS
Band41	15MHz	16QAM	41515	1RB#74	24.85	25.63	33	PASS
Band41	15MHz	64QAM	41515	1RB#74	24.03	24.81	33	PASS
Band41	15MHz	256QAM	41515	1RB#74	20.97	21.75	33	PASS
Band41	15MHz	QPSK	41515	75RB#0	24.77	25.55	33	PASS
Band41	15MHz	16QAM	41515	75RB#0	23.8	24.58	33	PASS



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Report No.: SEWM2304000122RG01

Rev.: 01

Page: 6 of 63

Band41	15MHz	64QAM	41515	75RB#0	22.81	23.59	33	PASS
Band41	15MHz	256QAM	41515	75RB#0	20.84	21.62	33	PASS
Band41	20MHz	QPSK	39750	1RB#0	25.8	26.58	33	PASS
Band41	20MHz	16QAM	39750	1RB#0	24.86	25.64	33	PASS
Band41	20MHz	64QAM	39750	1RB#0	24.01	24.79	33	PASS
Band41	20MHz	256QAM	39750	1RB#0	20.95	21.73	33	PASS
Band41	20MHz	QPSK	39750	1RB#49	25.88	26.66	33	PASS
Band41	20MHz	16QAM	39750	1RB#49	24.92	25.7	33	PASS
Band41	20MHz	64QAM	39750	1RB#49	24.15	24.93	33	PASS
Band41	20MHz	256QAM	39750	1RB#49	20.98	21.76	33	PASS
Band41	20MHz	QPSK	39750	1RB#99	25.82	26.6	33	PASS
Band41	20MHz	16QAM	39750	1RB#99	24.8	25.58	33	PASS
Band41	20MHz	64QAM	39750	1RB#99	24.09	24.87	33	PASS
Band41	20MHz	256QAM	39750	1RB#99	21.05	21.83	33	PASS
Band41	20MHz	QPSK	39750	100RB#0	24.87	25.65	33	PASS
Band41	20MHz	16QAM	39750	100RB#0	23.88	24.66	33	PASS
Band41	20MHz	64QAM	39750	100RB#0	22.92	23.7	33	PASS
Band41	20MHz	256QAM	39750	100RB#0	20.93	21.71	33	PASS
Band41	20MHz	QPSK	40620	1RB#0	26.01	26.79	33	PASS
Band41	20MHz	16QAM	40620	1RB#0	25	25.78	33	PASS
Band41	20MHz	64QAM	40620	1RB#0	24.27	25.05	33	PASS
Band41	20MHz	256QAM	40620	1RB#0	21.11	21.89	33	PASS
Band41	20MHz	QPSK	40620	1RB#49	26.03	26.81	33	PASS
Band41	20MHz	16QAM	40620	1RB#49	25.12	25.9	33	PASS
Band41	20MHz	64QAM	40620	1RB#49	24.33	25.11	33	PASS
Band41	20MHz	256QAM	40620	1RB#49	21.3	22.08	33	PASS
Band41	20MHz	QPSK	40620	1RB#99	25.92	26.7	33	PASS
Band41	20MHz	16QAM	40620	1RB#99	24.98	25.76	33	PASS
Band41	20MHz	64QAM	40620	1RB#99	24.29	25.07	33	PASS
Band41	20MHz	256QAM	40620	1RB#99	21.16	21.94	33	PASS
Band41	20MHz	QPSK	40620	100RB#0	25	25.78	33	PASS
Band41	20MHz	16QAM	40620	100RB#0	24.01	24.79	33	PASS
Band41	20MHz	64QAM	40620	100RB#0	23.04	23.82	33	PASS
Band41	20MHz	256QAM	40620	100RB#0	21.05	21.83	33	PASS
Band41	20MHz	QPSK	41490	1RB#0	25.72	26.5	33	PASS
Band41	20MHz	16QAM	41490	1RB#0	24.82	25.6	33	PASS
Band41	20MHz	64QAM	41490	1RB#0	24.02	24.8	33	PASS



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Report No.: SEWM2304000122RG01

Rev.: 01

Page: 7 of 63

Band41	20MHz	256QAM	41490	1RB#0	20.87	21.65	33	PASS
Band41	20MHz	QPSK	41490	1RB#49	25.67	26.45	33	PASS
Band41	20MHz	16QAM	41490	1RB#49	24.74	25.52	33	PASS
Band41	20MHz	64QAM	41490	1RB#49	24.06	24.84	33	PASS
Band41	20MHz	256QAM	41490	1RB#49	20.93	21.71	33	PASS
Band41	20MHz	QPSK	41490	1RB#99	25.8	26.58	33	PASS
Band41	20MHz	16QAM	41490	1RB#99	25.11	25.89	33	PASS
Band41	20MHz	64QAM	41490	1RB#99	24.04	24.82	33	PASS
Band41	20MHz	256QAM	41490	1RB#99	21.05	21.83	33	PASS
Band41	20MHz	QPSK	41490	100RB#0	24.73	25.51	33	PASS
Band41	20MHz	16QAM	41490	100RB#0	23.74	24.52	33	PASS
Band41	20MHz	64QAM	41490	100RB#0	22.73	23.51	33	PASS
Band41	20MHz	256QAM	41490	100RB#0	20.75	21.53	33	PASS



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Rev.: 01

Page: 8 of 63

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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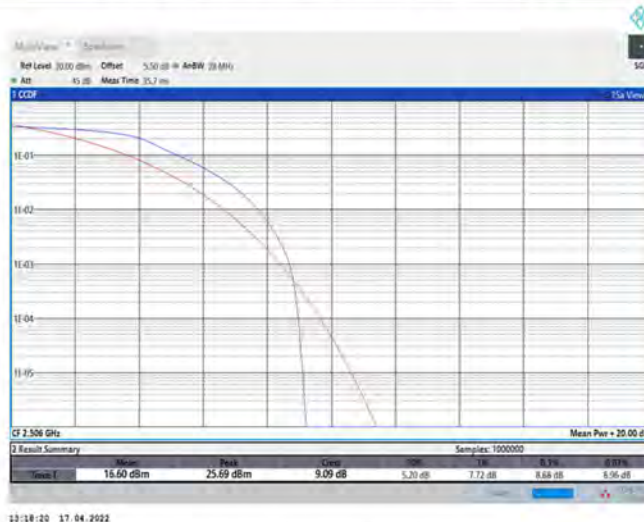
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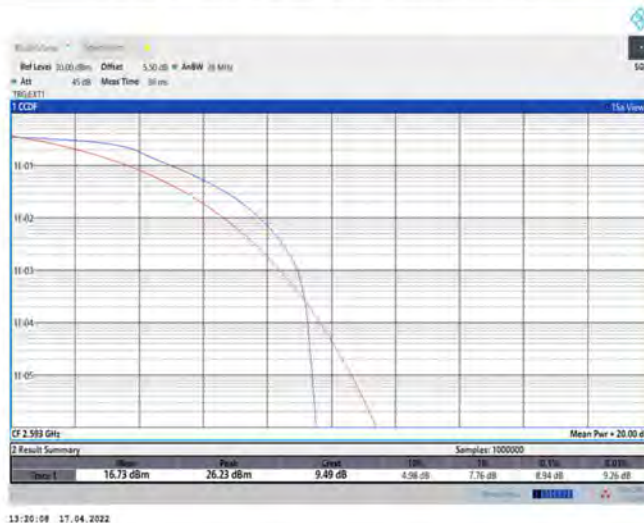
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Test Graphs

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



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



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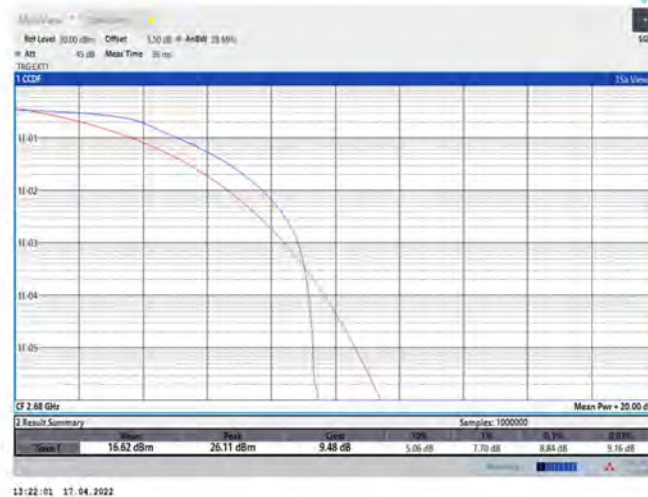
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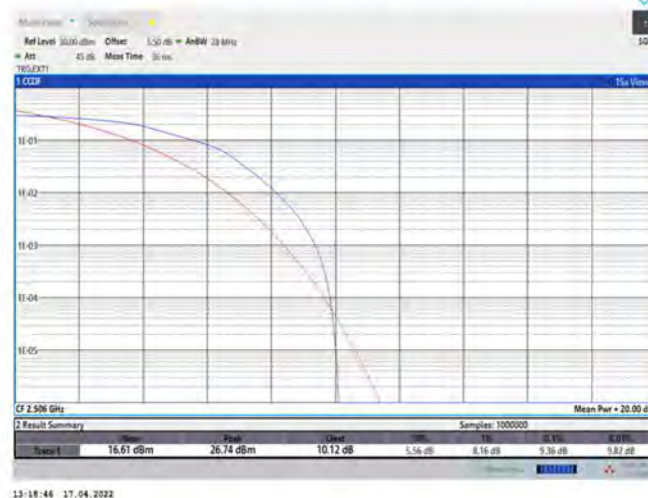
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Band41-20MHz-QPSK-41490-100RB#0



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



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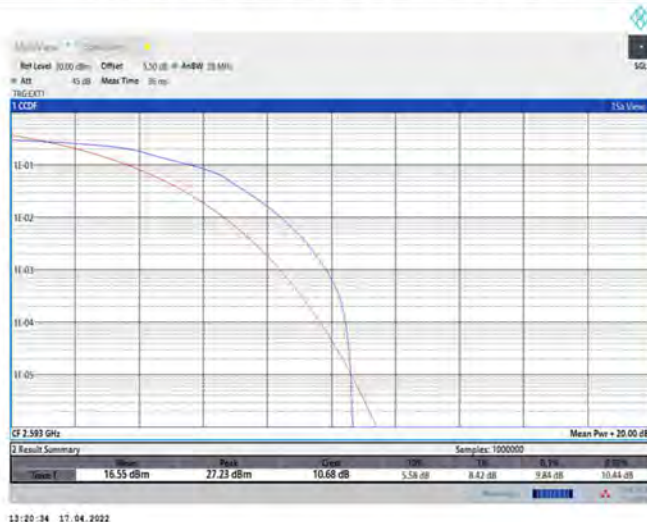
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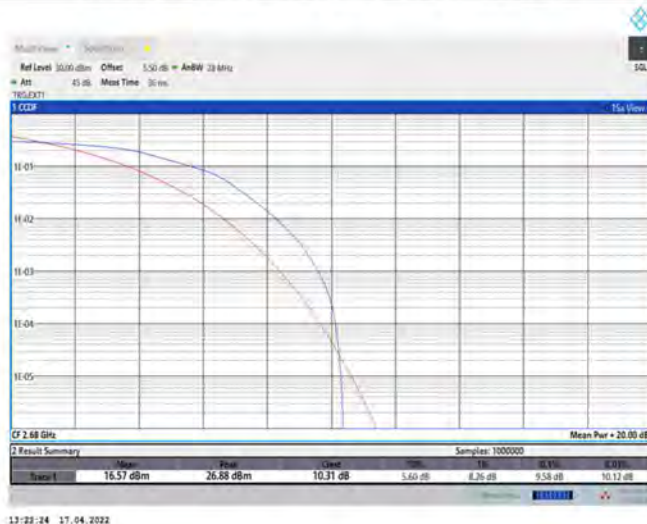
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Band41-20MHz-16QAM-40620-100RB#0



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



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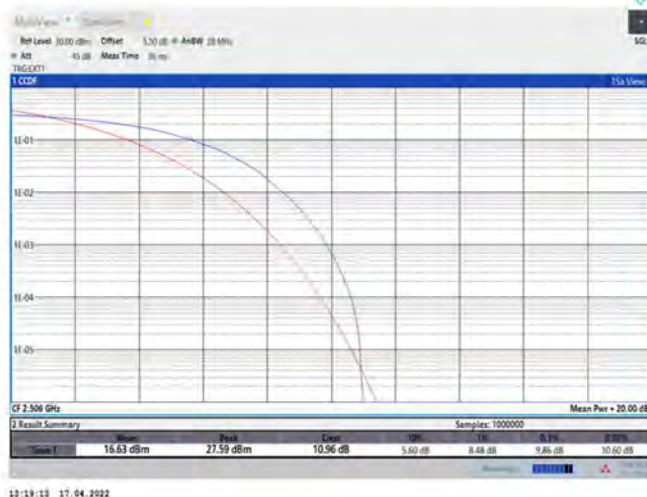
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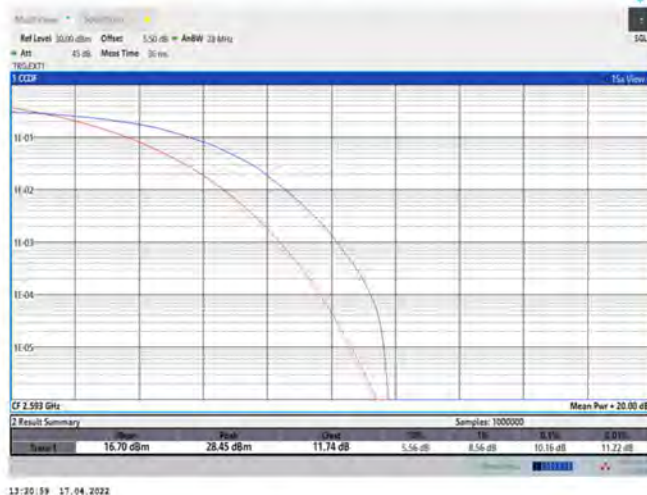
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Band41-20MHz-64QAM-39750-100RB#0



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



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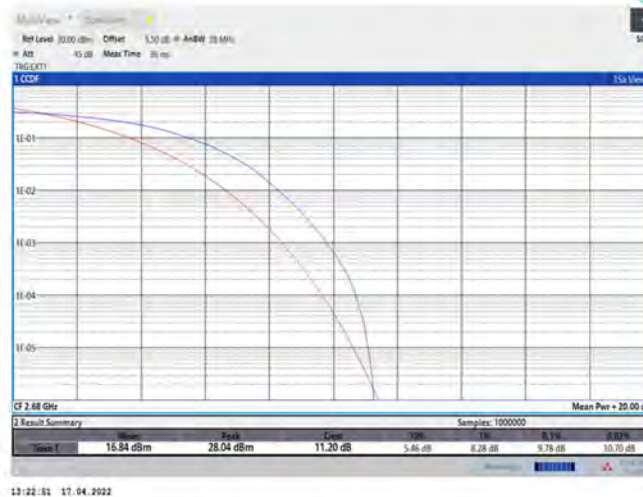
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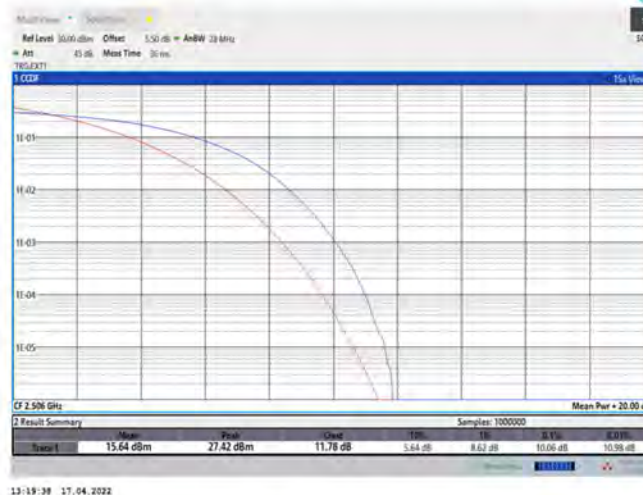
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Band41-20MHz-256QAM-39750-100RB#0



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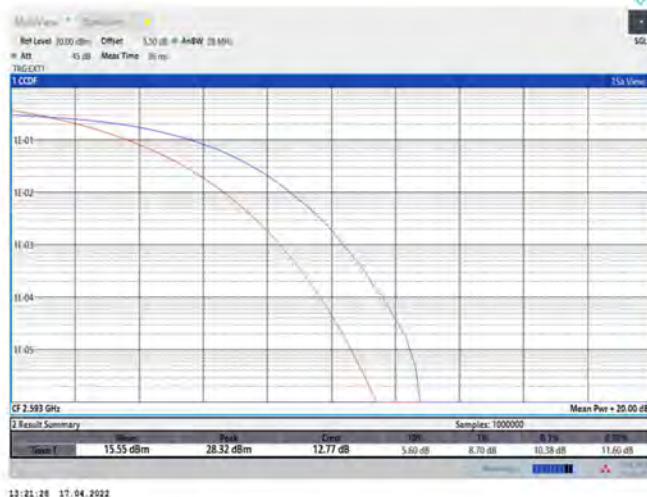
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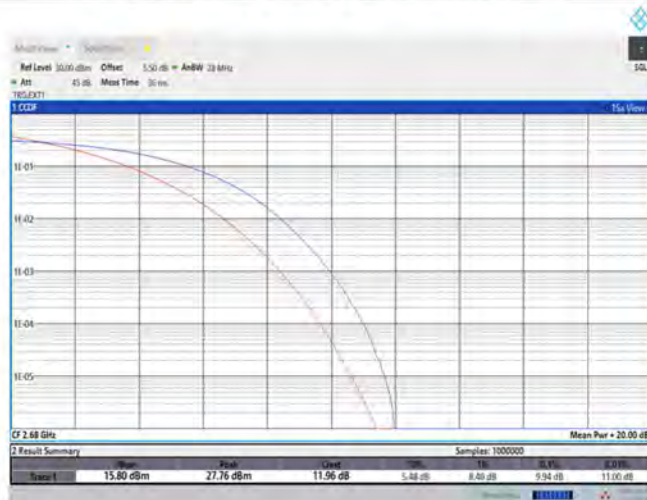
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Band41-20MHz-256QAM-40620-100RB#0



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



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Rev.: 01

Page: 15 of 63

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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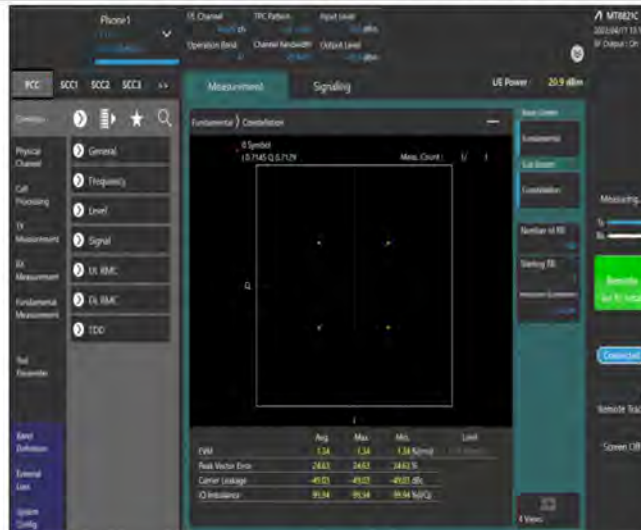
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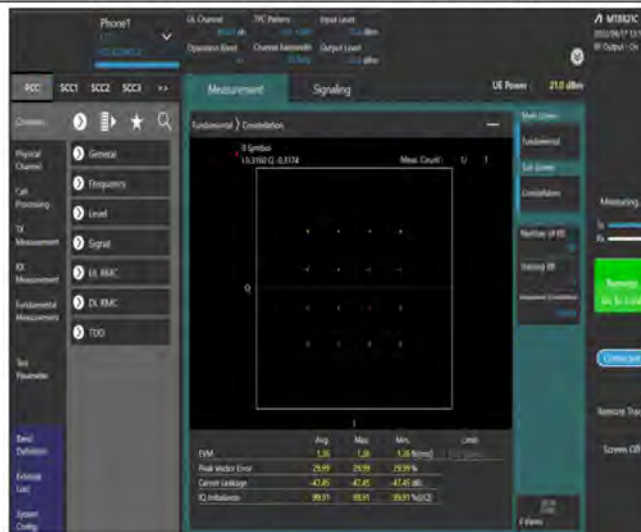
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Test Graphs

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



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



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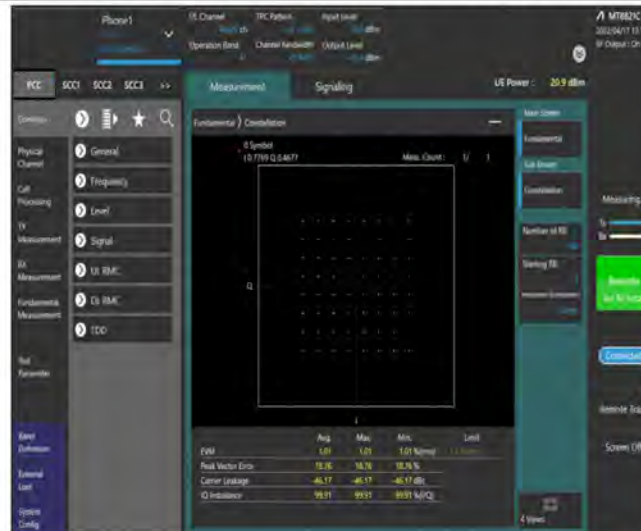
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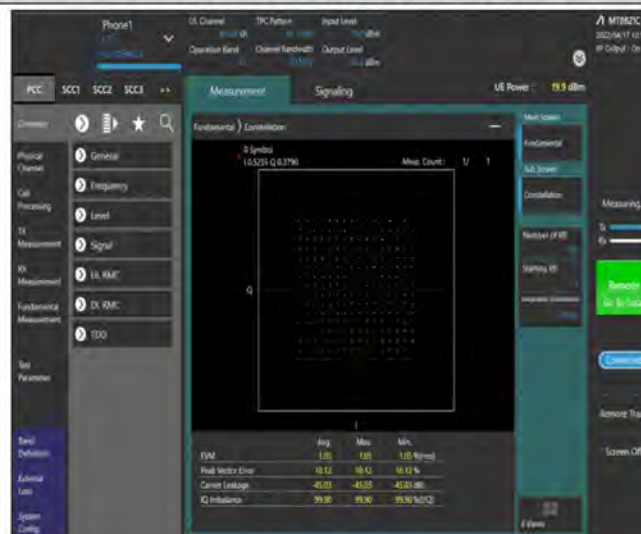
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Page: 17 of 63

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	4.477	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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Report No.: SEWM2304000122RG01

Rev.: 01

Page: 19 of 63

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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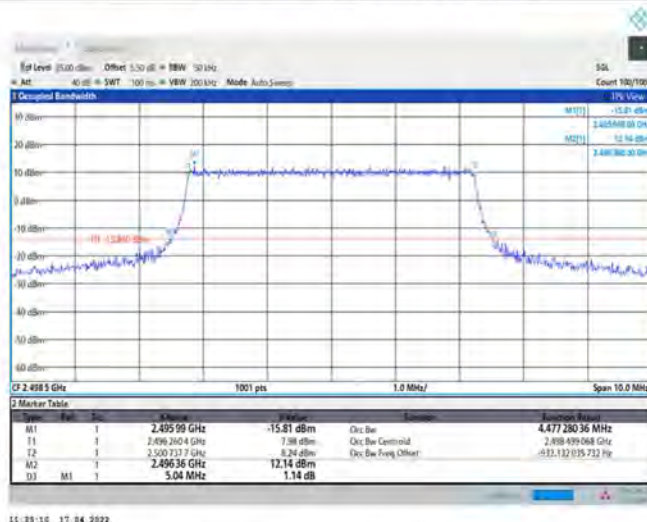
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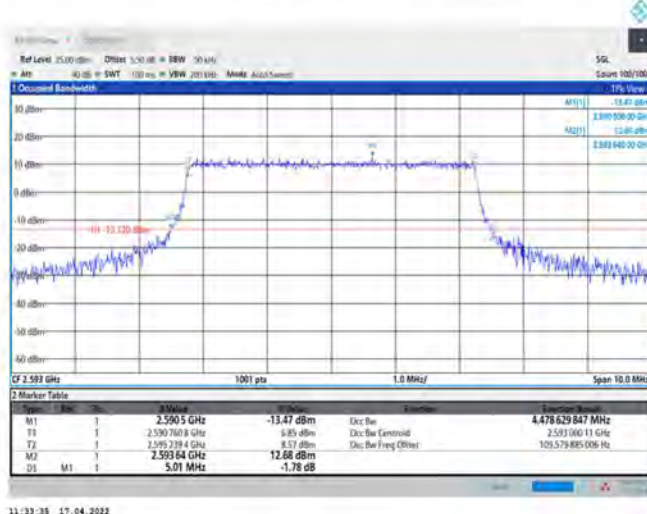
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Test Graphs

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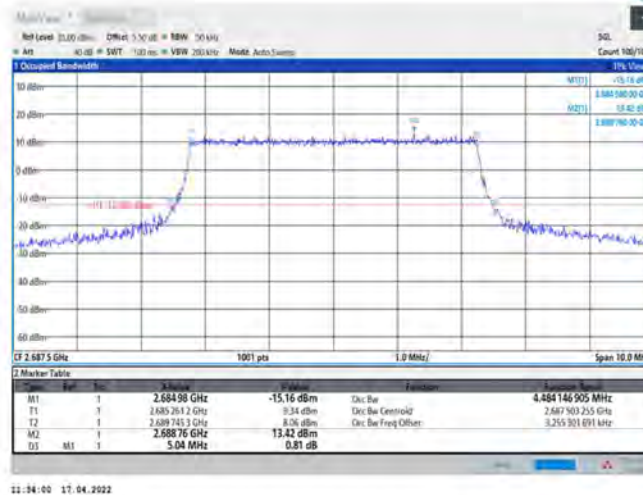
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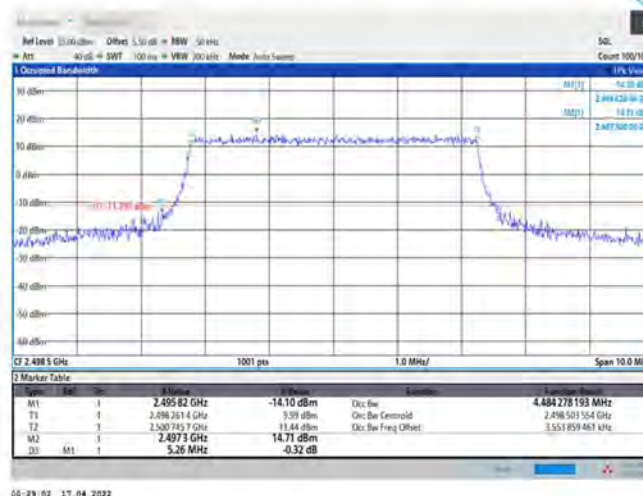
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Band41-5MHz-QPSK-41565-25RB#0



11:34:00 17.04.2022

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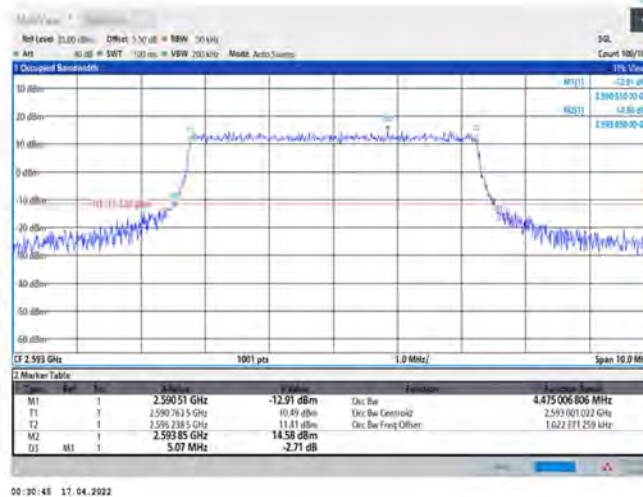
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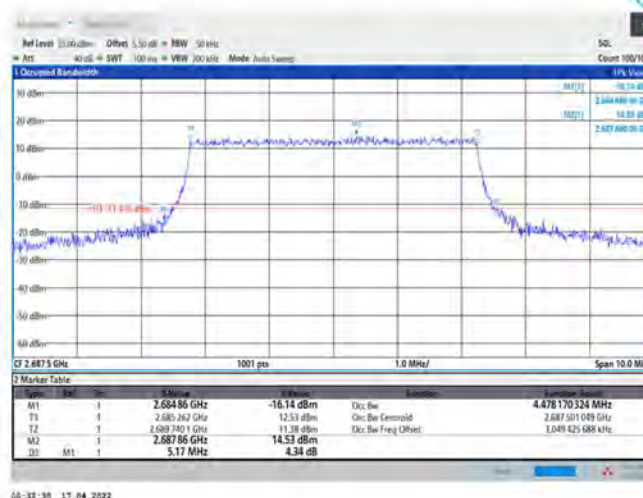
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Band41-5MHz-16QAM-40620-25RB#0



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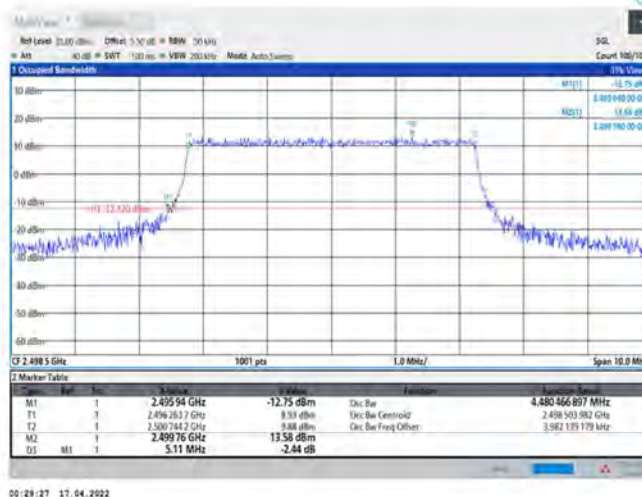
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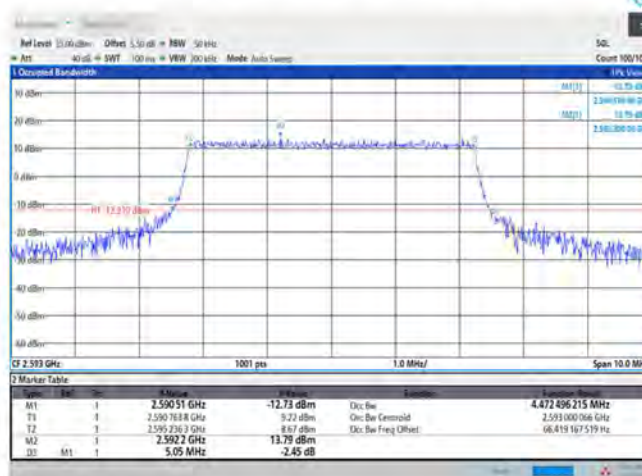
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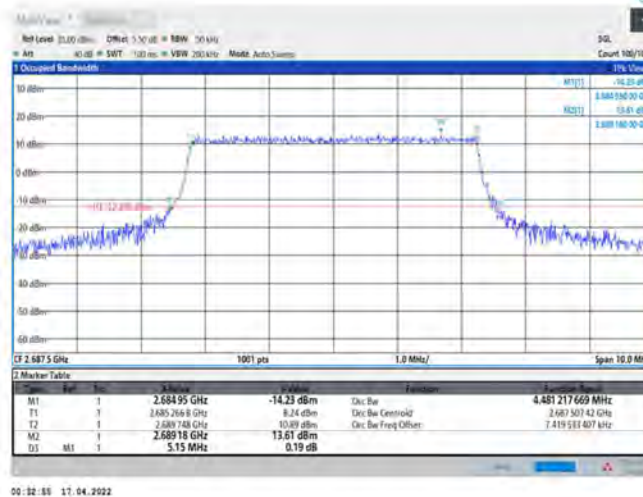
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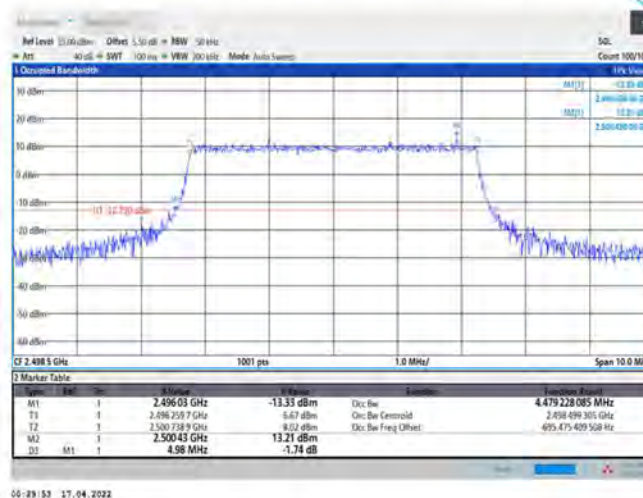
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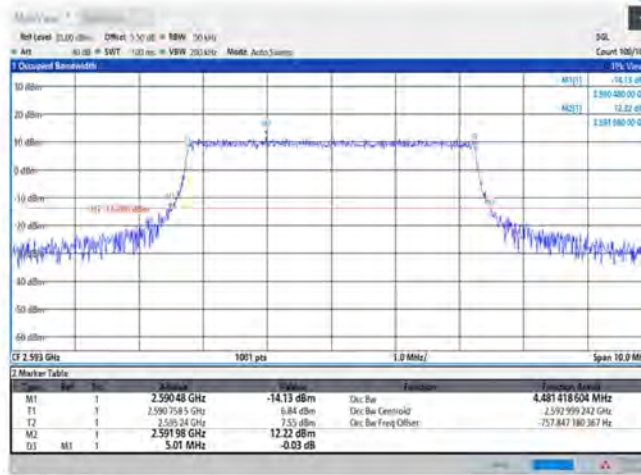
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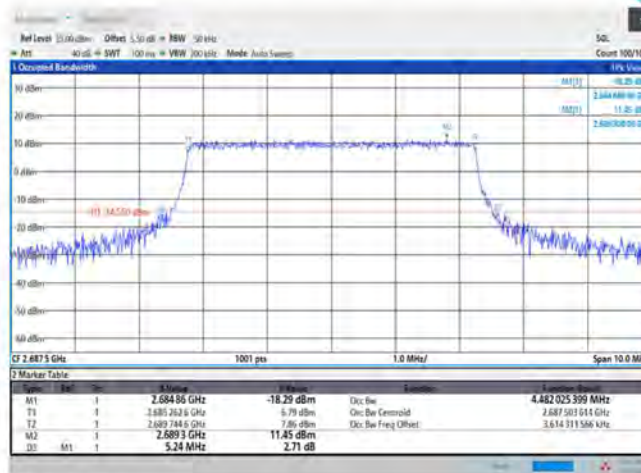
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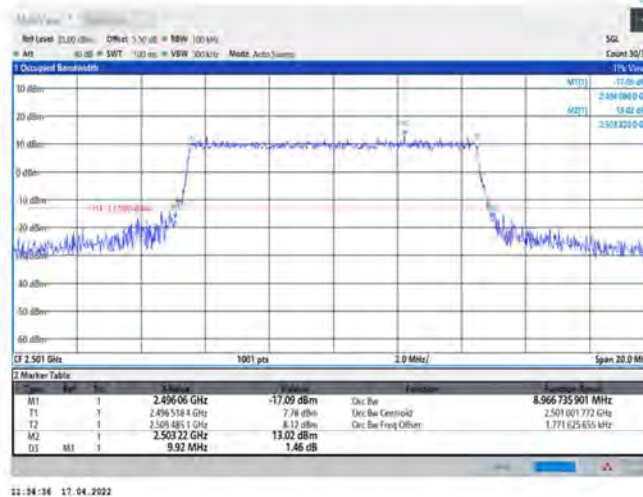
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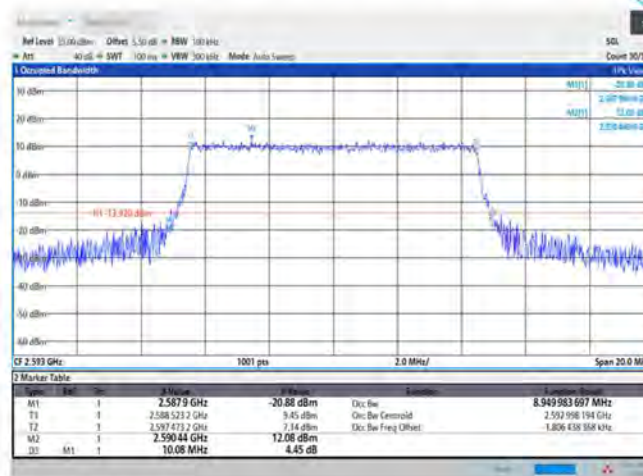
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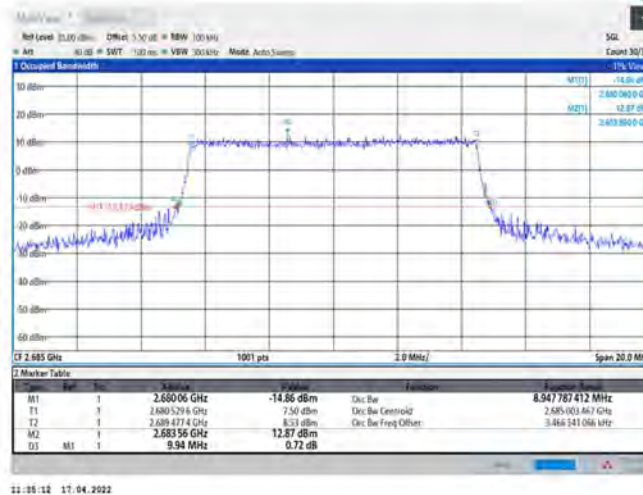
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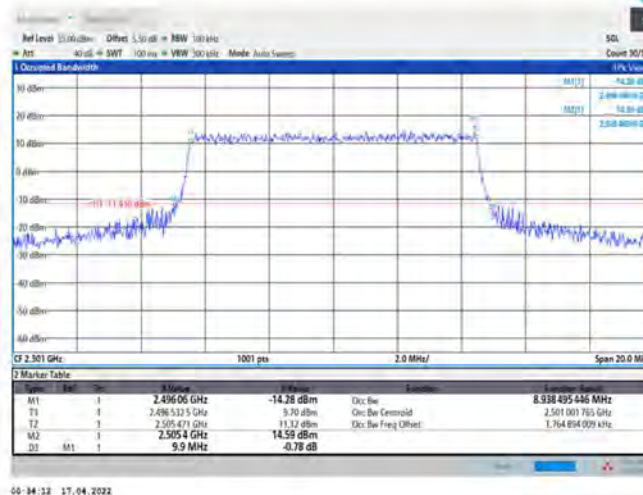
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Page: 27 of 63

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



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



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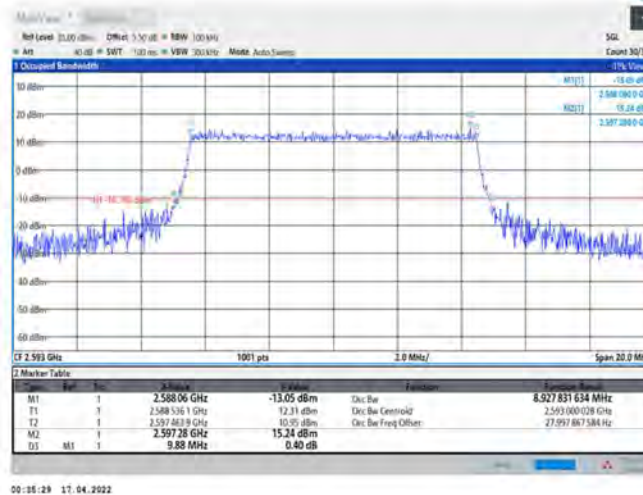
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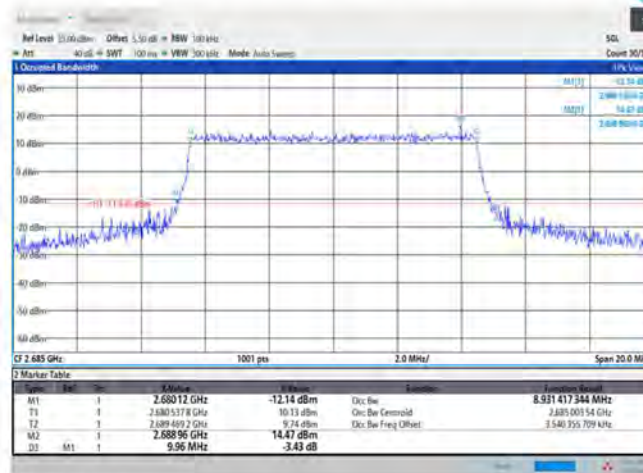
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Band41-10MHz-16QAM-40620-50RB#0



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



00:38:44 17.04.2022



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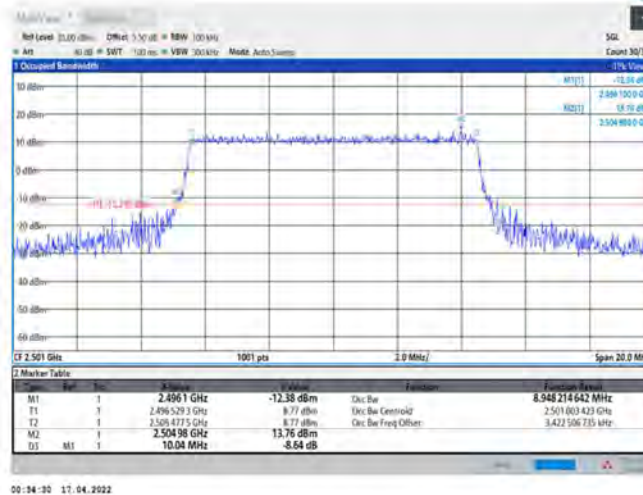
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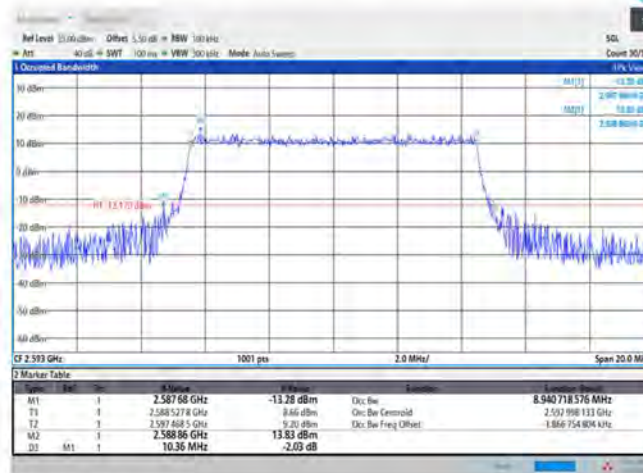
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Band41-10MHz-64QAM-39700-50RB#0



00:34:30 17.04.2022

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



00:35:41 17.04.2022



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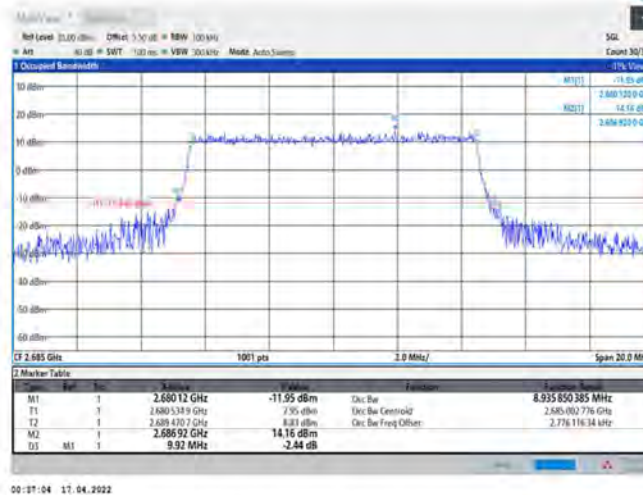
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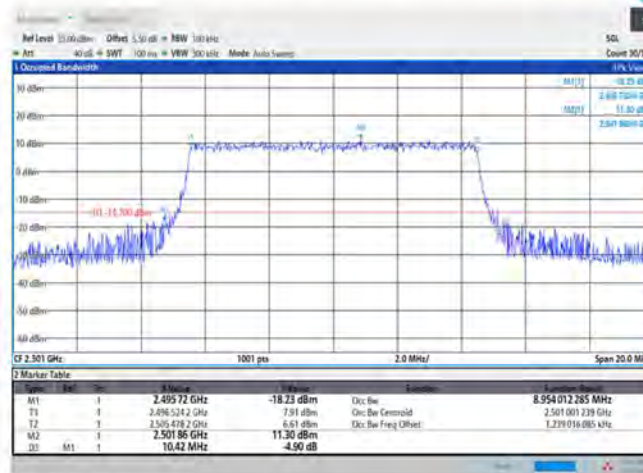
Page: 30 of 63

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



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



00:34:48 17.04.2022



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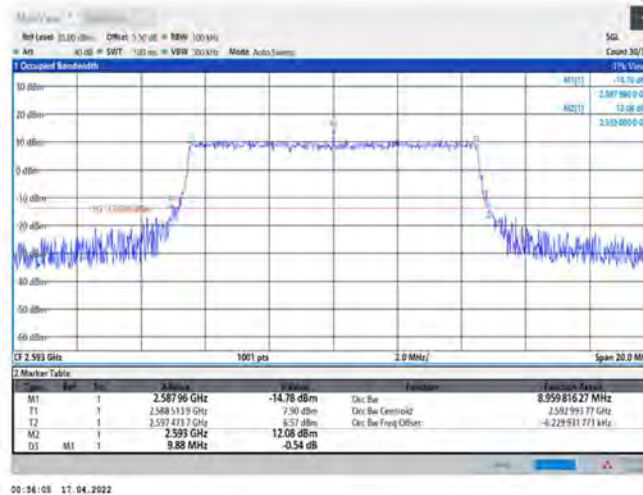
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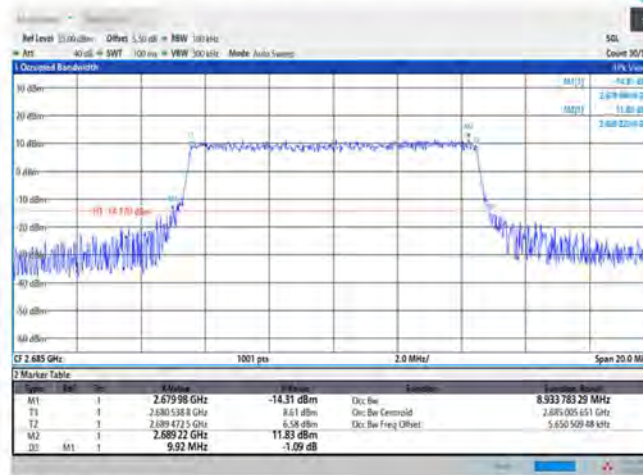
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Band41-10MHz-256QAM-40620-50RB#0



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



00:37:22 17.04.2022



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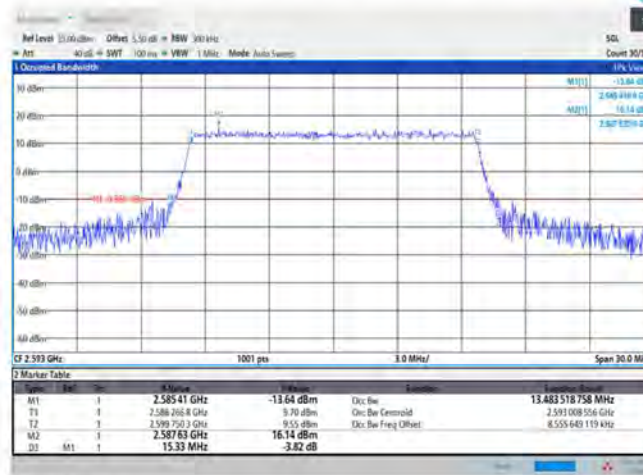
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Band41-15MHz-QPSK-39725-75RB#0



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



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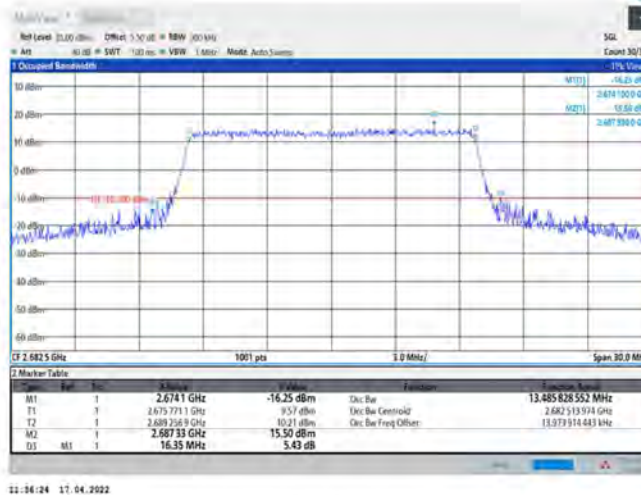
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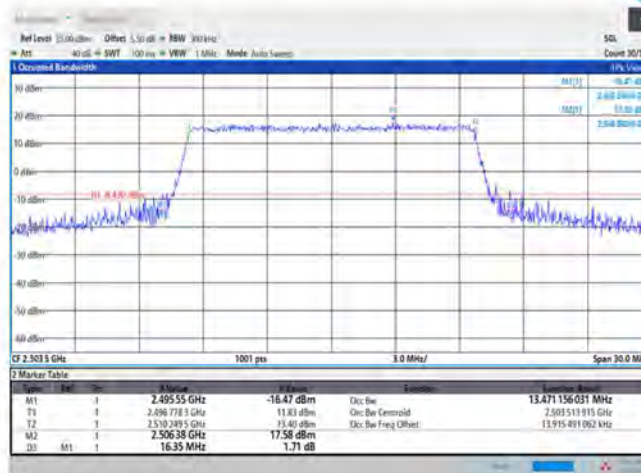
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Band41-15MHz-QPSK-41515-75RB#0



11:34:24 17.04.2022

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



04:38:13 17.04.2022



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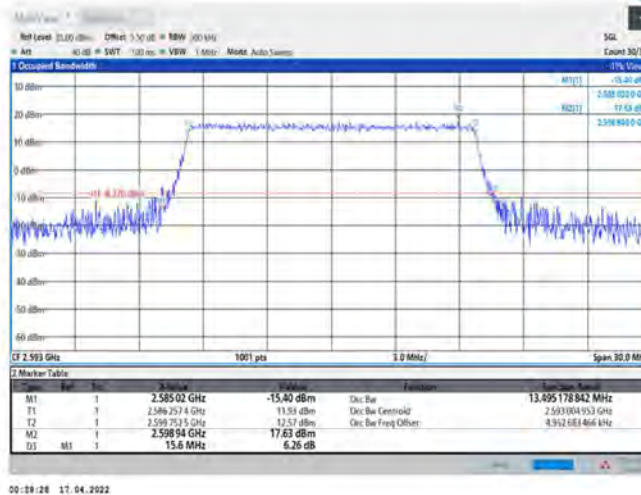
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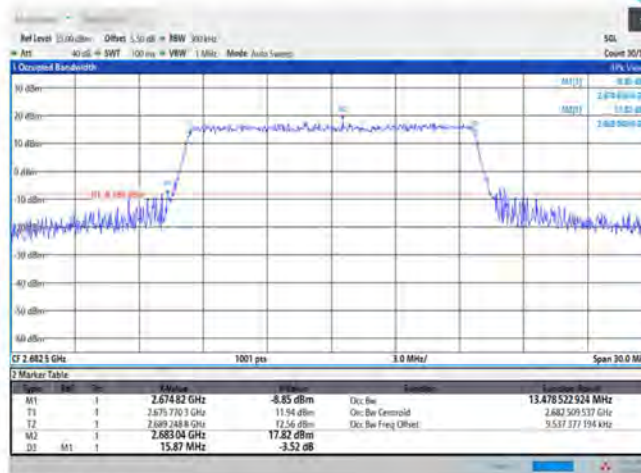
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Band41-15MHz-16QAM-40620-75RB#0



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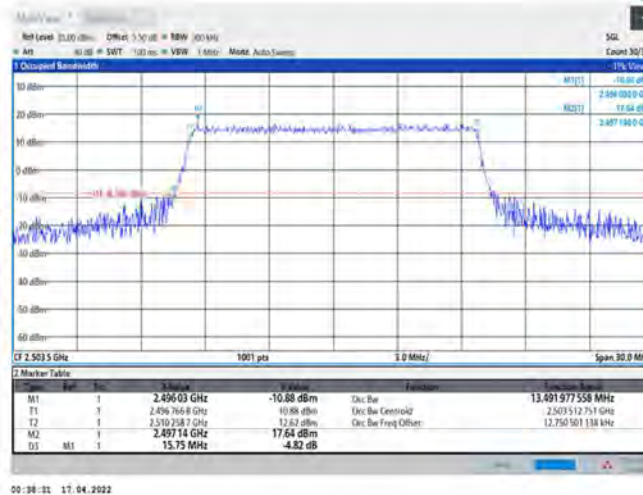
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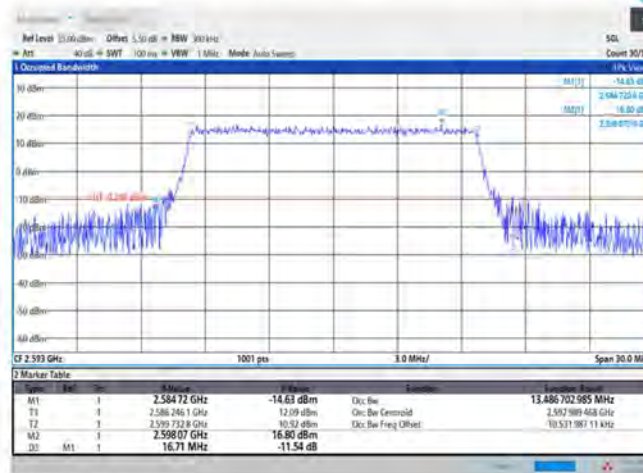
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Band41-15MHz-64QAM-39725-75RB#0



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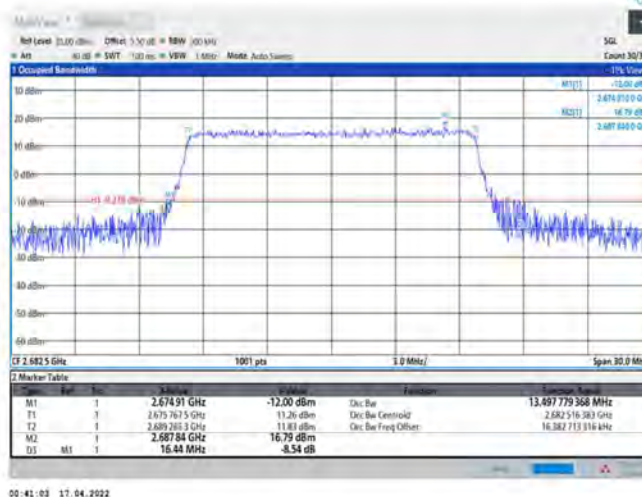
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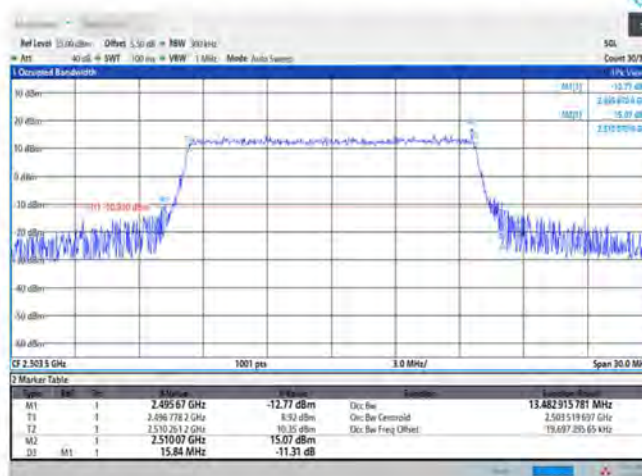
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Band41-15MHz-64QAM-41515-75RB#0



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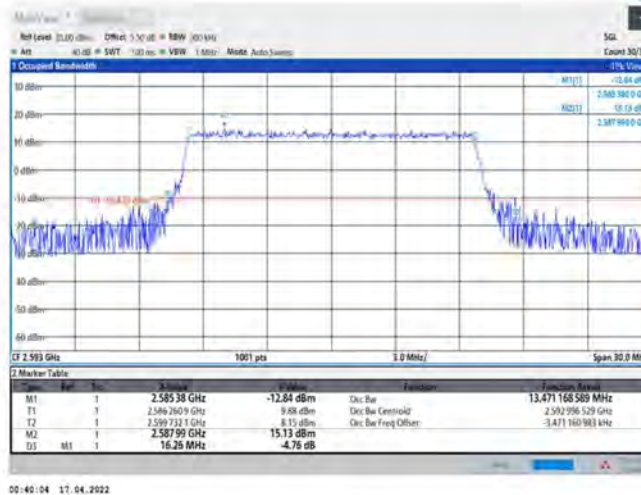
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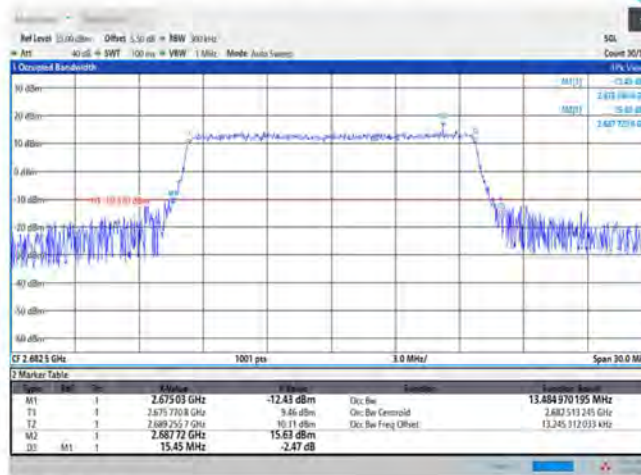
Page: 37 of 63

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



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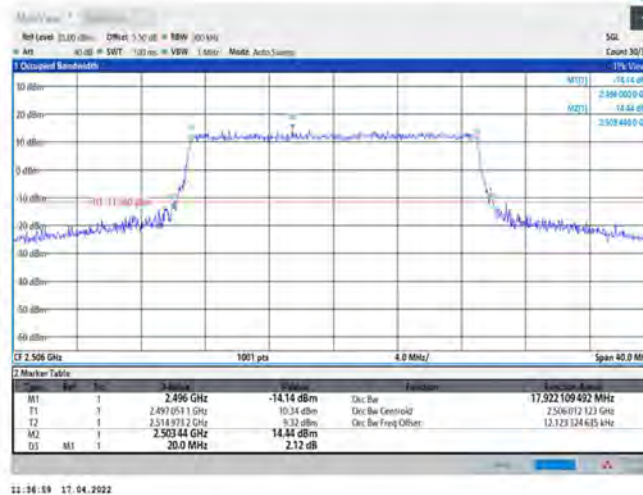
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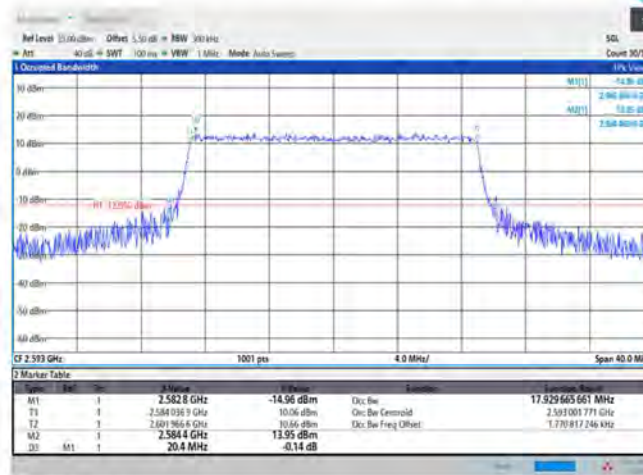
Page: 38 of 63

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



11:34:59 17.04.2022

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



11:37:18 17.04.2022



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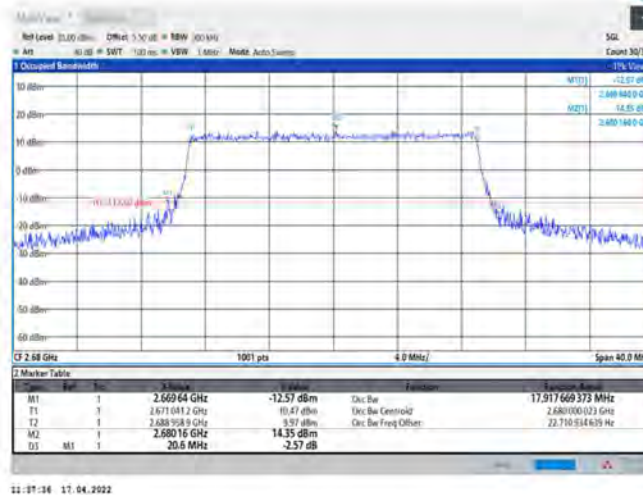
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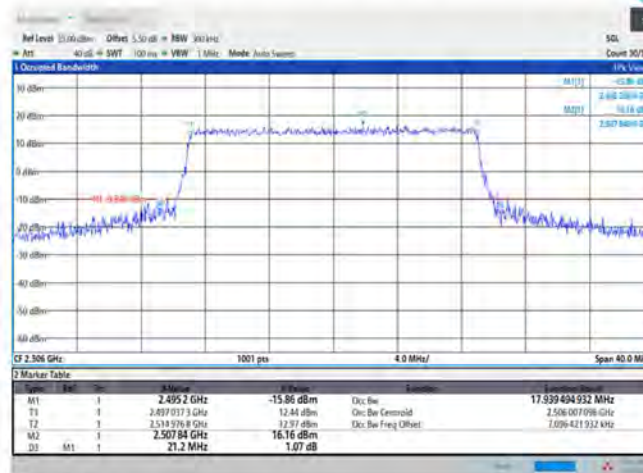
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Band41-20MHz-QPSK-41490-100RB#0



11:37:16 17.04.2022

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



04:43:13 17.04.2022



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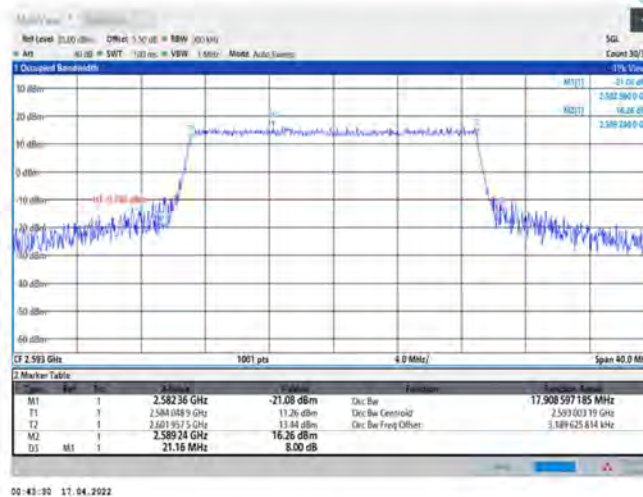
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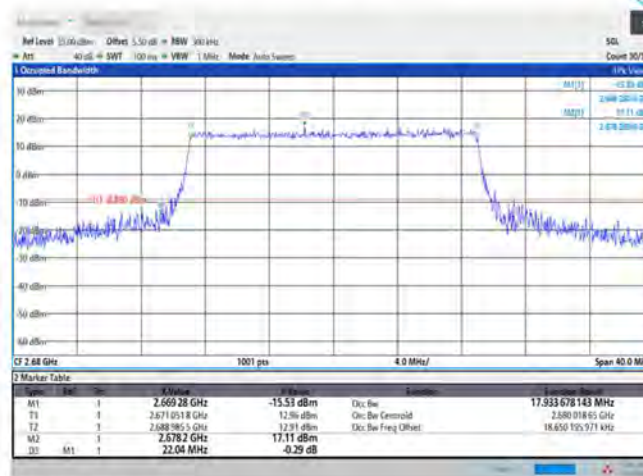
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Band41-20MHz-16QAM-40620-100RB#0



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



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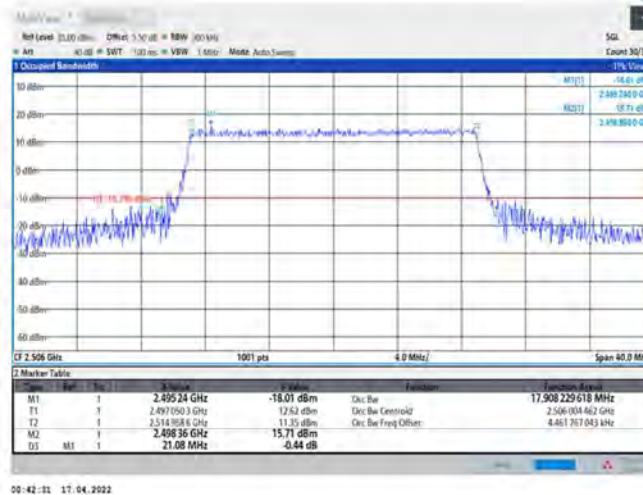
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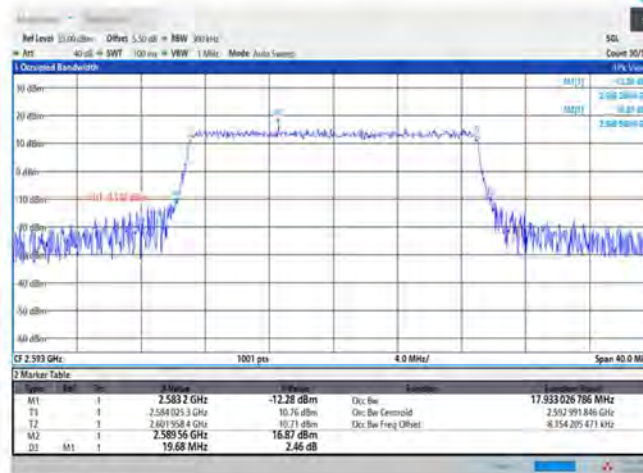
Page: 41 of 63

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



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



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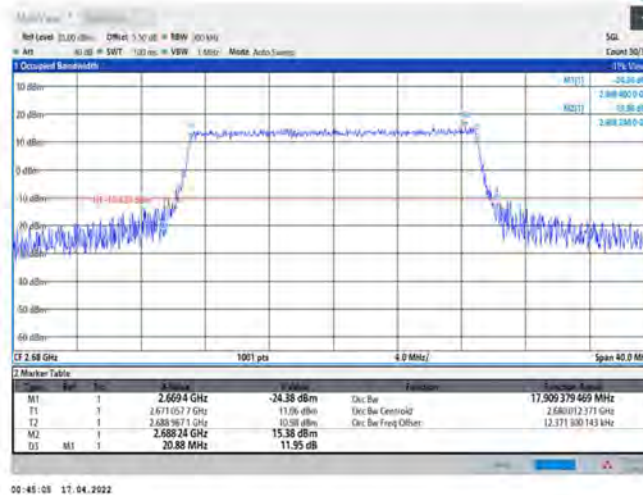
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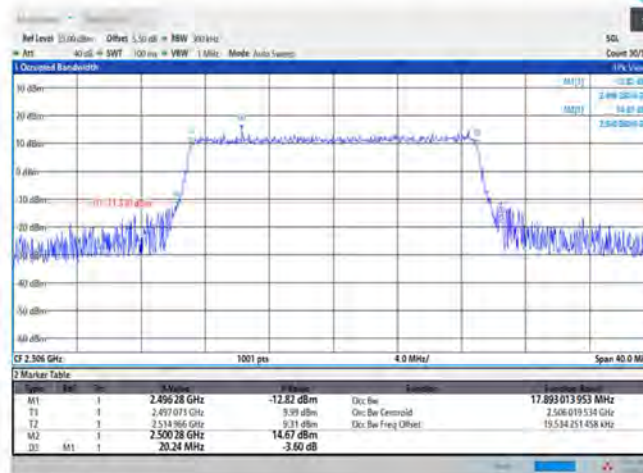
Page: 42 of 63

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



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



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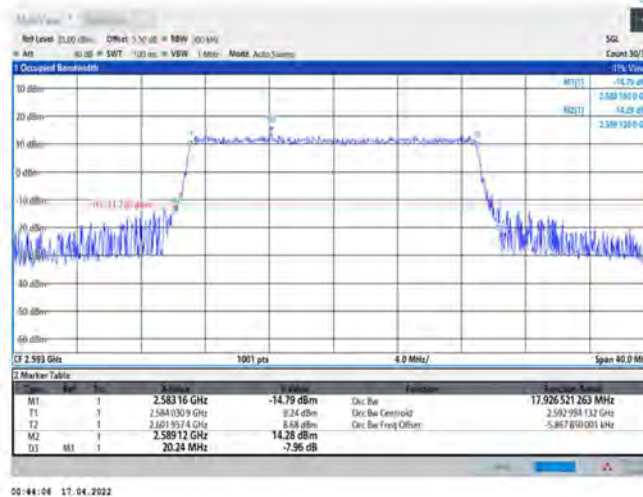
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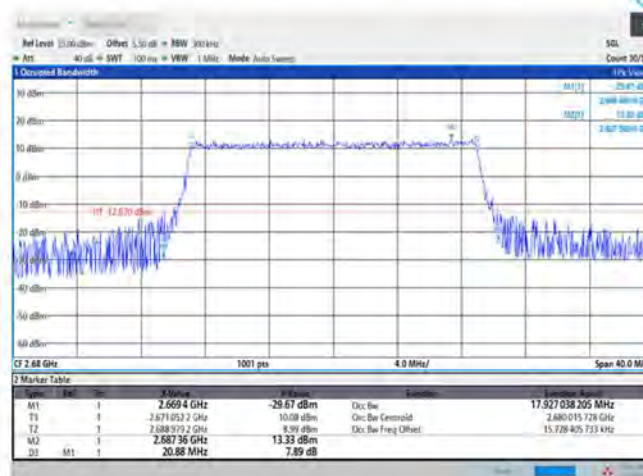
Page: 43 of 63

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



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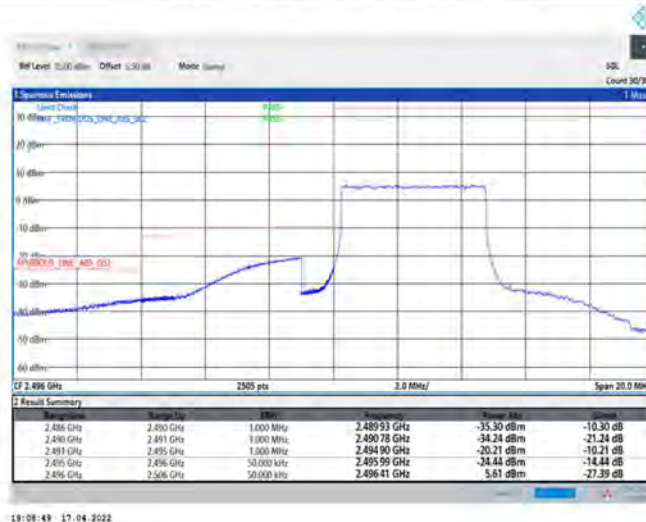
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Test Graphs

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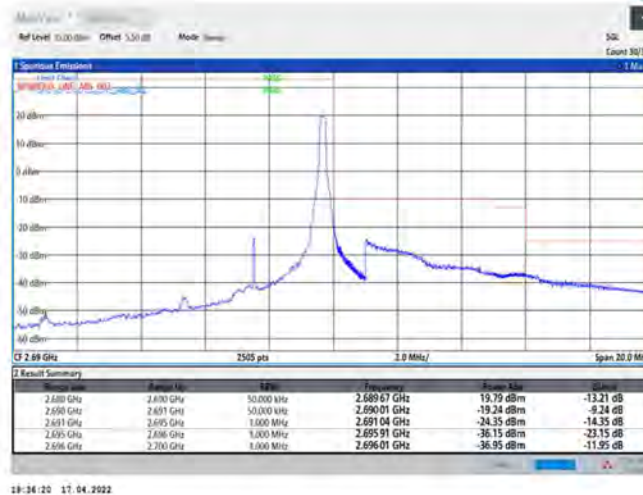
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Page: 45 of 63

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



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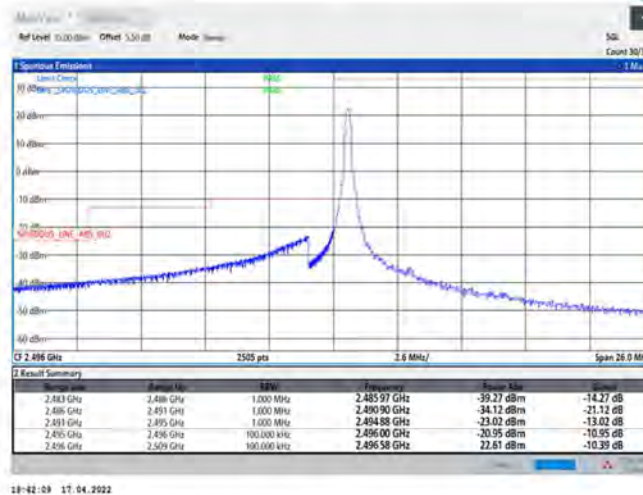
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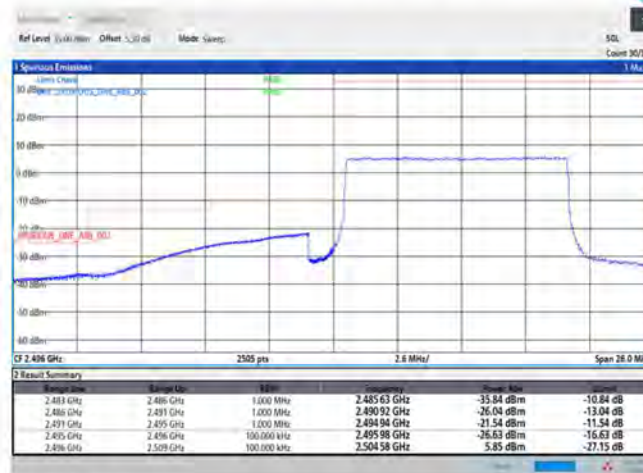
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Band41-10MHz-QPSK-39700-1RB#0



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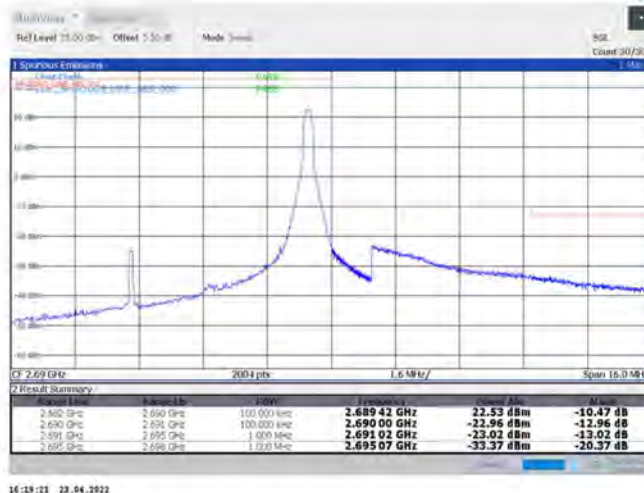
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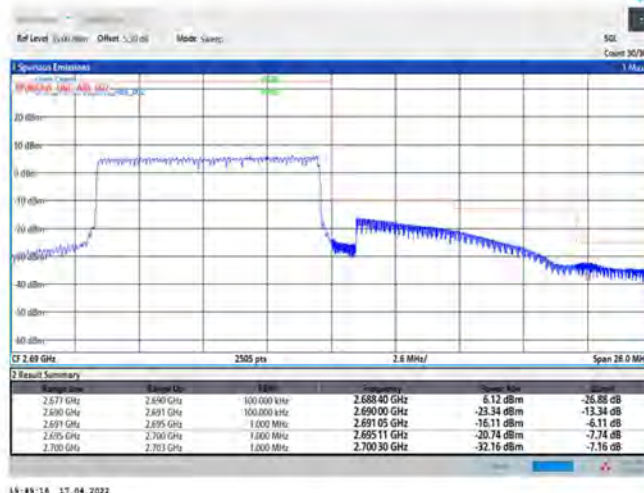
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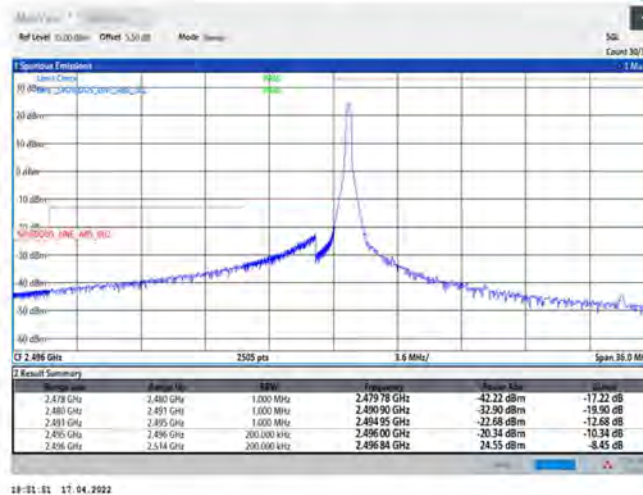
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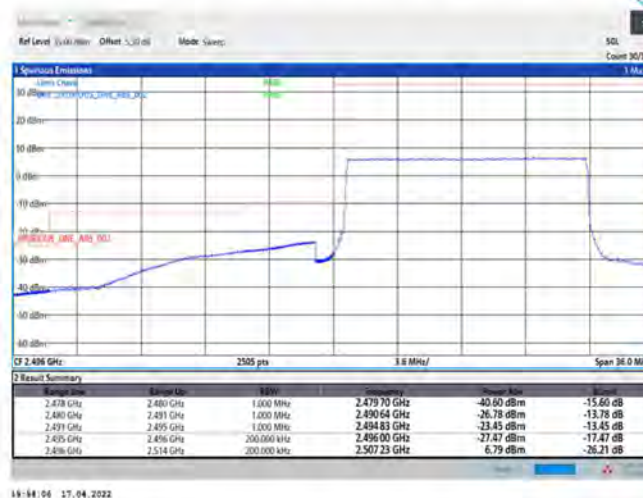
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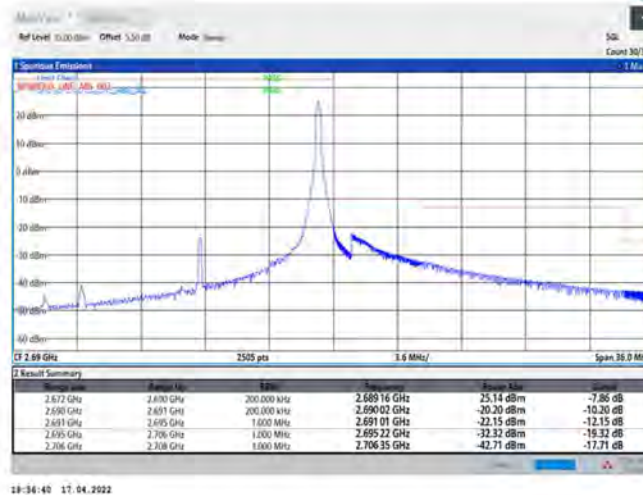
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Report No.: SEWM2304000122RG01

Rev.: 01

Page: 49 of 63

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



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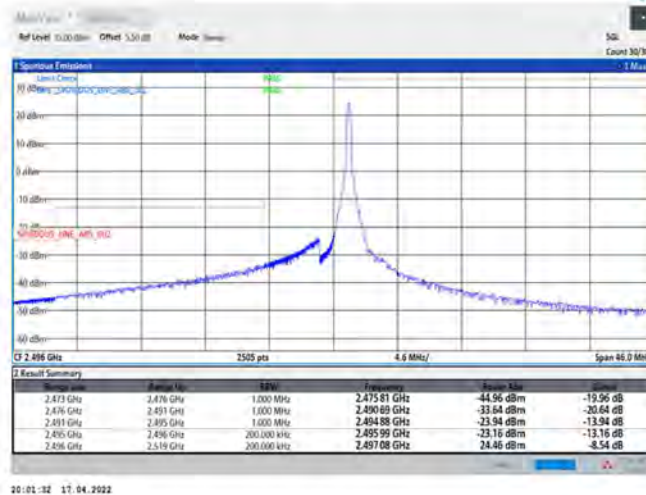
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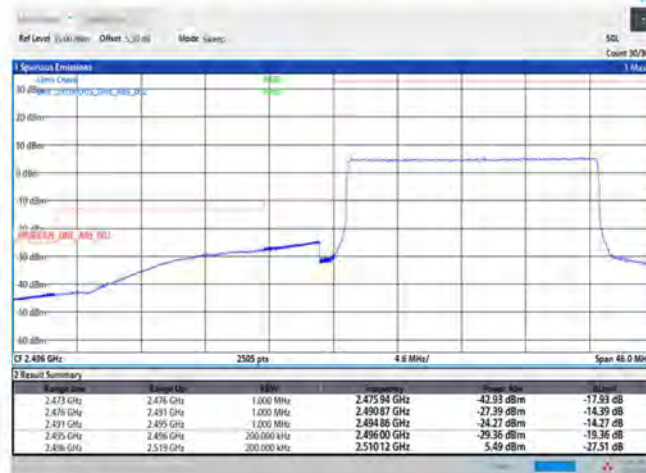
Page: 50 of 63

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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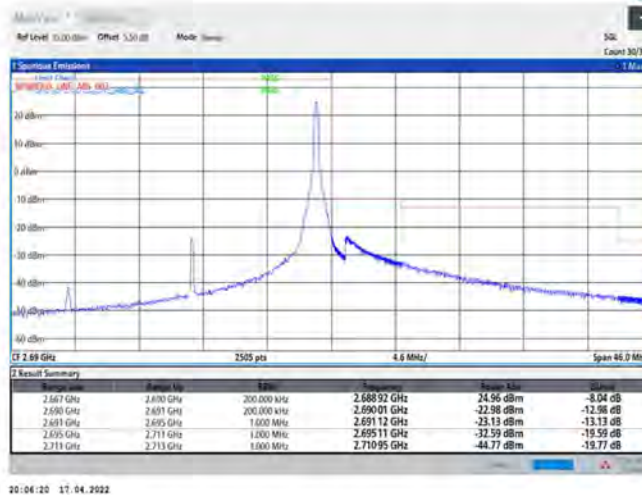
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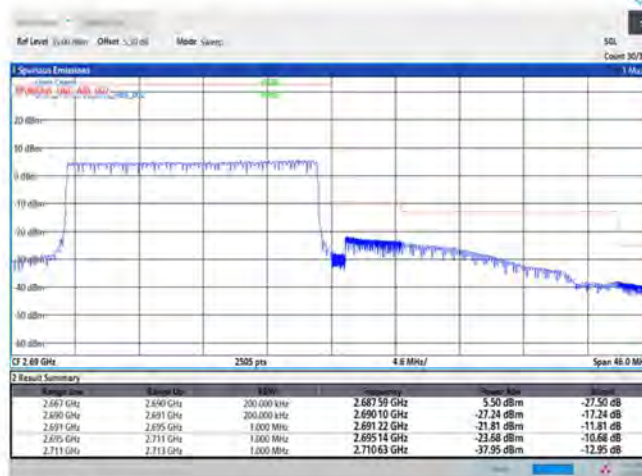
Page: 51 of 63

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



20:04:20 17.04.2022

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



20:08:35 17.04.2022



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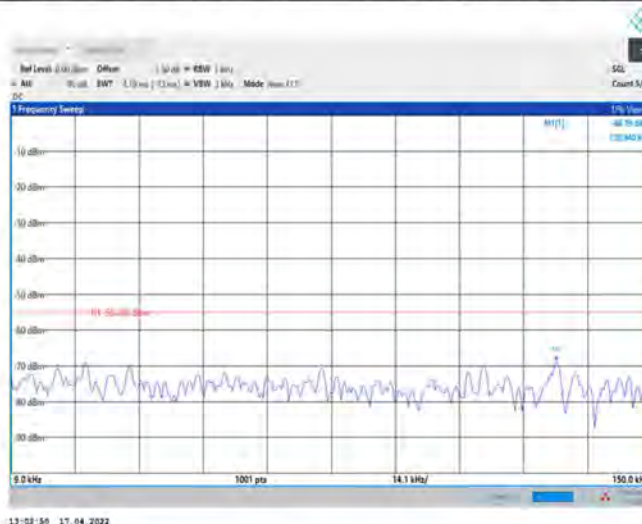
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Rev.: 01
Page: 52 of 63

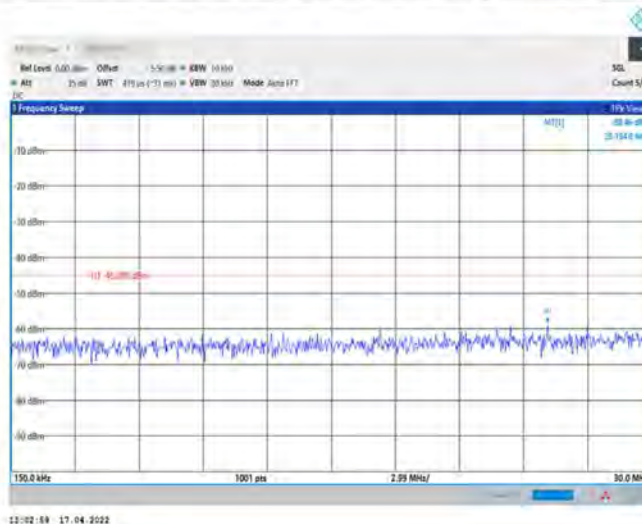
Conducted Spurious Emission

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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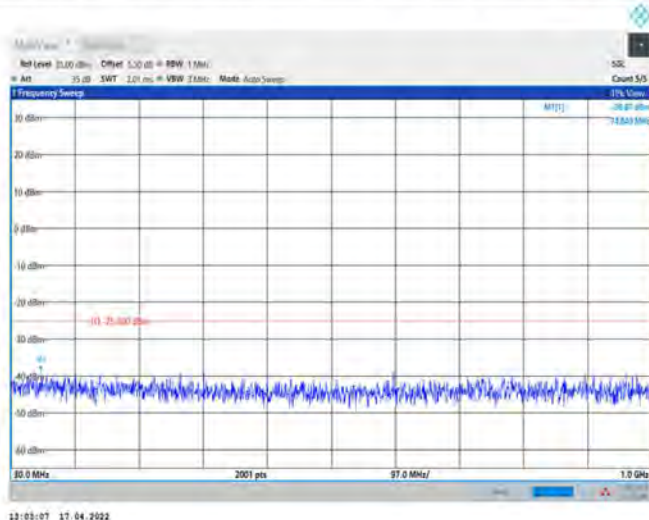
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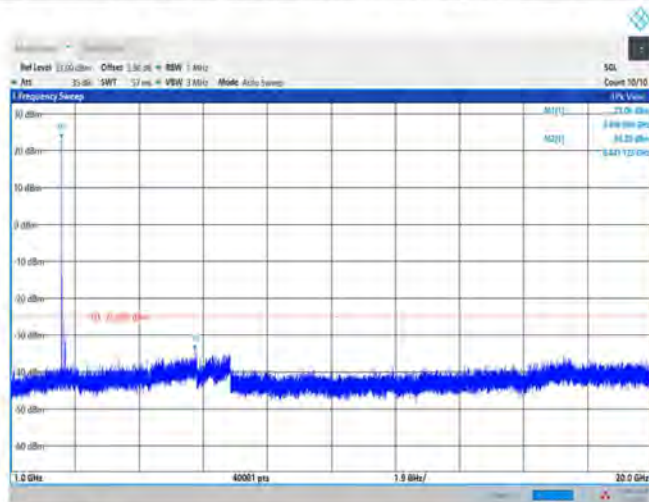
Page: 53 of 63

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



13:03:07 17.04.2022

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



13:03:14 17.04.2022



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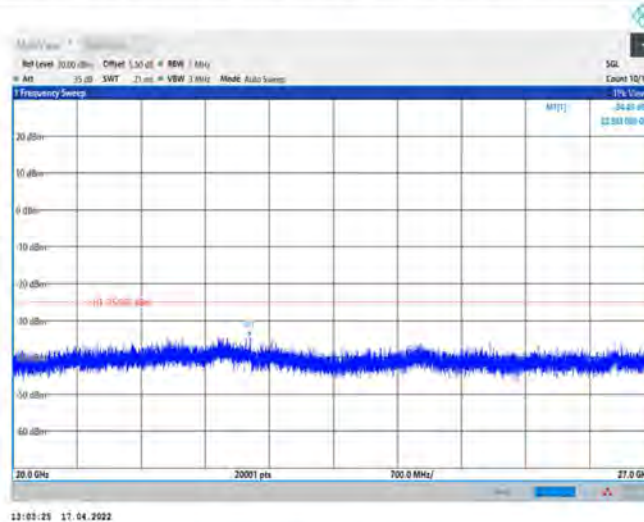
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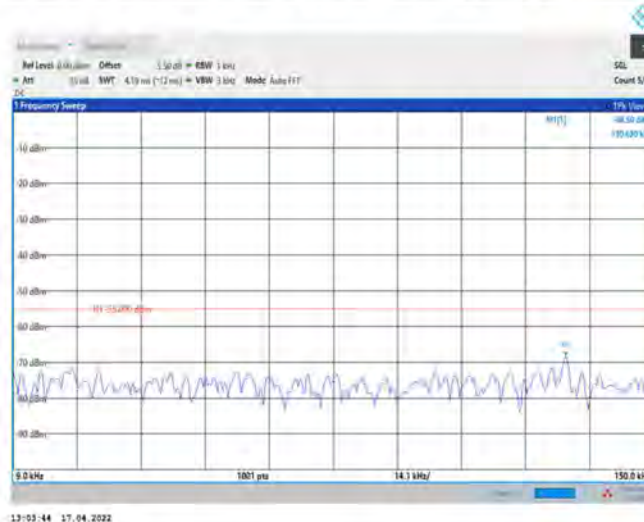
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Page: 54 of 63

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



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



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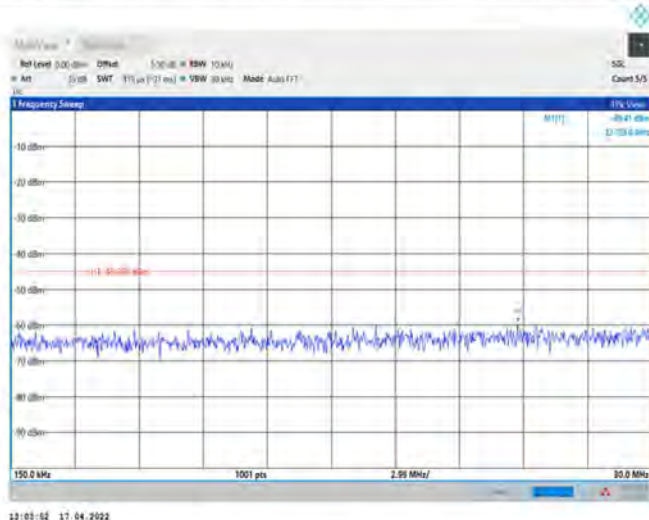
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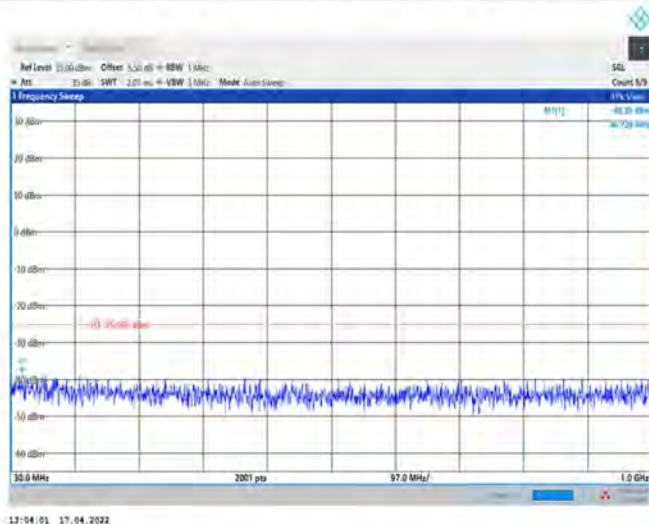
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Page: 55 of 63

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



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



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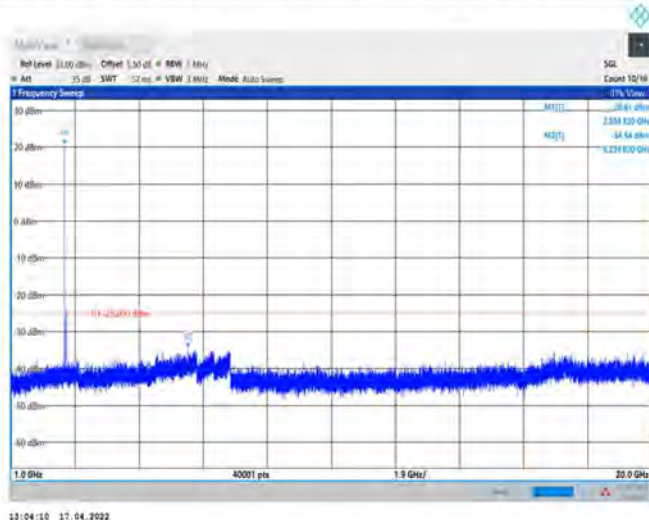
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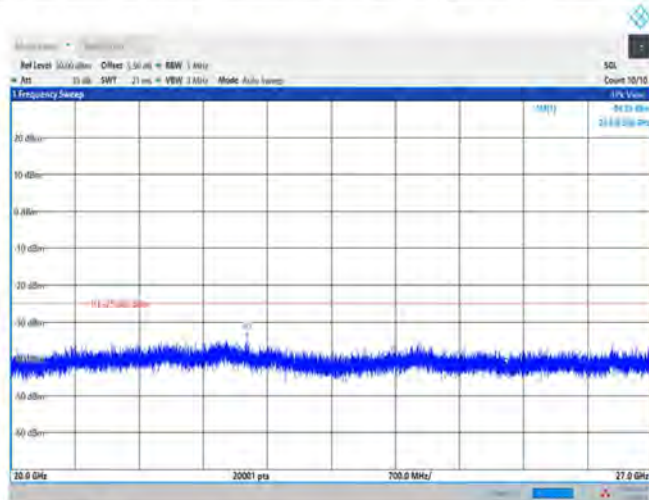
Page: 56 of 63

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



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



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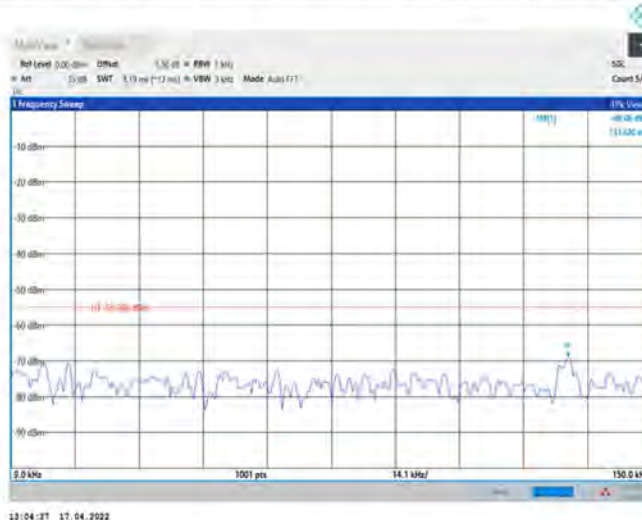
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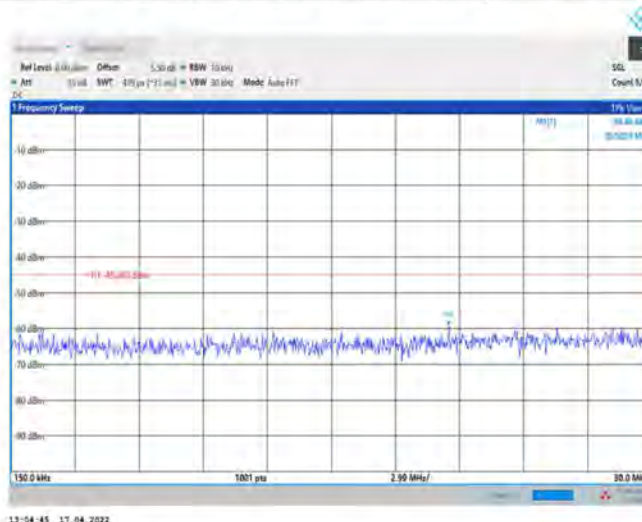
Rev.: 01

Page: 57 of 63

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



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



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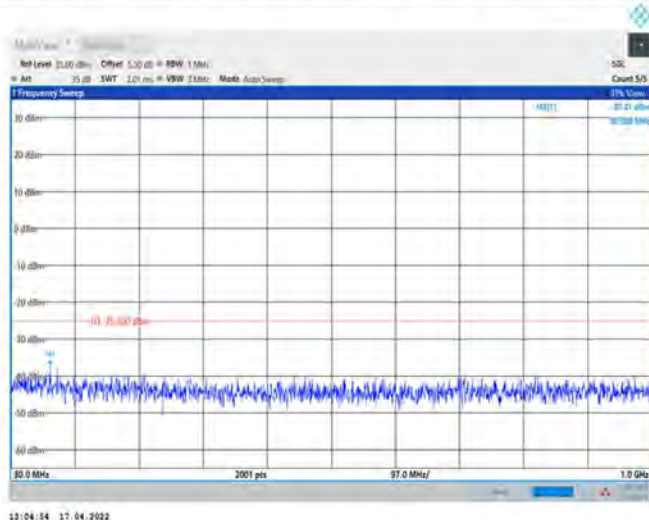
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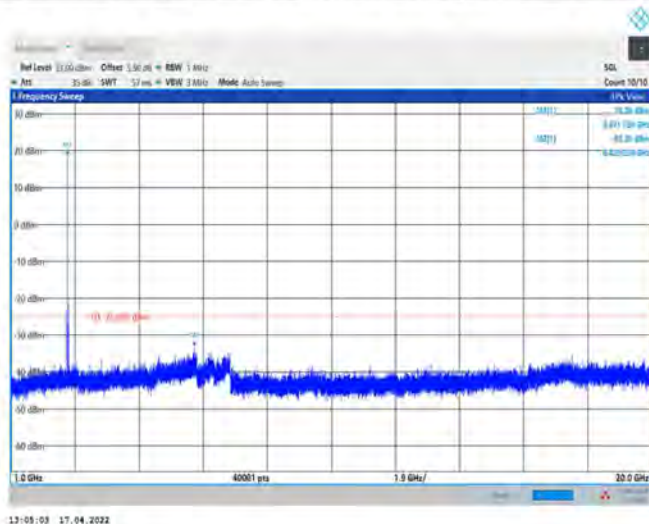
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Page: 58 of 63

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



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



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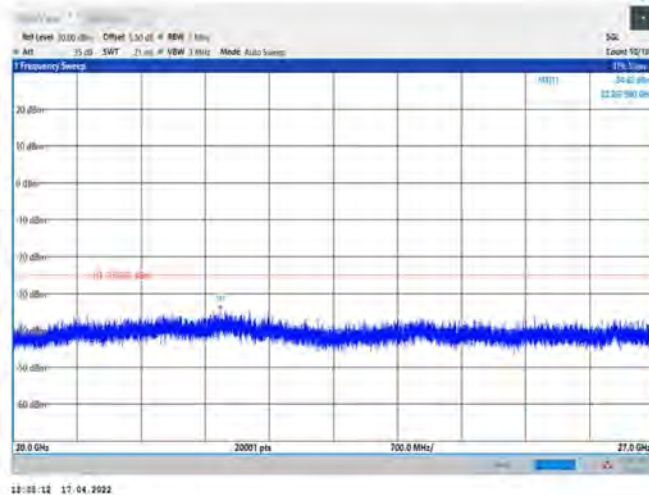
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Band41-20MHz-QPSK-41490-1RB#0-Range5:20000~27000MHz



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Rev.: 01

Page: 60 of 63

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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Report No.: SEWM2304000122RG01

Rev.: 01

Page: 61 of 63

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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Report No.: SEWM2304000122RG01

Rev.: 01

Page: 62 of 63

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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Report No.: SEWM2304000122RG01

Rev.: 01

Page: 63 of 63

Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	0.60	0.000231	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-1.60	-0.000617	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	-2.70	-0.001041	PASS

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

---End of Attachment---



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