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Appendix B.16

LTE Band 41



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	24.26	23.36	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#12	24.45	23.55	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#24	24.23	23.33	33.00	PASS
Band41	5MHz	QPSK	39675	25RB#0	23.40	22.50	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#0	24.65	23.75	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#12	24.84	23.94	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#24	24.53	23.63	33.00	PASS
Band41	5MHz	QPSK	40620	25RB#0	23.80	22.90	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#0	24.61	23.71	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#12	24.75	23.85	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#24	24.54	23.64	33.00	PASS
Band41	5MHz	QPSK	41565	25RB#0	23.81	22.91	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#0	23.42	22.52	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#12	23.63	22.73	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#24	23.43	22.53	33.00	PASS
Band41	5MHz	16QAM	39675	25RB#0	22.47	21.57	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#0	23.92	23.02	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#12	24.08	23.18	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#24	23.82	22.92	33.00	PASS
Band41	5MHz	16QAM	40620	25RB#0	22.79	21.89	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#0	23.87	22.97	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#12	24.02	23.12	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#24	23.80	22.90	33.00	PASS
Band41	5MHz	16QAM	41565	25RB#0	22.83	21.93	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#0	22.30	21.40	33.00	PASS



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Band41	5MHz	64QAM	39675	1RB#12	22.45	21.55	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#24	22.28	21.38	33.00	PASS
Band41	5MHz	64QAM	39675	25RB#0	21.52	20.62	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#0	22.70	21.80	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#12	22.80	21.90	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#24	22.60	21.70	33.00	PASS
Band41	5MHz	64QAM	40620	25RB#0	21.85	20.95	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#0	22.71	21.81	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#12	22.85	21.95	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#24	22.64	21.74	33.00	PASS
Band41	5MHz	64QAM	41565	25RB#0	21.85	20.95	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#0	24.75	23.85	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#24	24.76	23.86	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#49	24.55	23.65	33.00	PASS
Band41	10MHz	QPSK	39700	50RB#0	23.75	22.85	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#0	24.81	23.91	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#24	24.88	23.98	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#49	24.64	23.74	33.00	PASS
Band41	10MHz	QPSK	40620	50RB#0	23.91	23.01	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#0	24.70	23.80	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#24	24.84	23.94	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#49	24.63	23.73	33.00	PASS
Band41	10MHz	QPSK	41540	50RB#0	23.88	22.98	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#0	23.94	23.04	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#24	23.94	23.04	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#49	23.74	22.84	33.00	PASS
Band41	10MHz	16QAM	39700	50RB#0	22.83	21.93	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#0	24.10	23.20	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#24	24.12	23.22	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#49	23.91	23.01	33.00	PASS
Band41	10MHz	16QAM	40620	50RB#0	22.94	22.04	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#0	23.99	23.09	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#24	24.08	23.18	33.00	PASS



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Wireless Laboratory

1/F, Unit D, Building 1, Kanglong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



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Band41	10MHz	16QAM	41540	1RB#49	23.90	23.00	33.00	PASS
Band41	10MHz	16QAM	41540	50RB#0	22.90	22.00	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#0	22.79	21.89	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#24	22.79	21.89	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#49	22.59	21.69	33.00	PASS
Band41	10MHz	64QAM	39700	50RB#0	21.81	20.91	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#0	22.84	21.94	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#24	22.91	22.01	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#49	22.70	21.80	33.00	PASS
Band41	10MHz	64QAM	40620	50RB#0	21.91	21.01	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#0	22.80	21.90	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#24	22.94	22.04	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#49	22.73	21.83	33.00	PASS
Band41	10MHz	64QAM	41540	50RB#0	21.91	21.01	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#0	24.68	23.78	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#38	24.56	23.66	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#74	24.46	23.56	33.00	PASS
Band41	15MHz	QPSK	39725	75RB#0	23.60	22.70	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#0	24.75	23.85	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#38	24.74	23.84	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#74	24.53	23.63	33.00	PASS
Band41	15MHz	QPSK	40620	75RB#0	23.81	22.91	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#0	24.63	23.73	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#38	24.70	23.80	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#74	24.54	23.64	33.00	PASS
Band41	15MHz	QPSK	41515	75RB#0	23.82	22.92	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#0	23.86	22.96	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#38	23.76	22.86	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#74	23.64	22.74	33.00	PASS
Band41	15MHz	16QAM	39725	75RB#0	22.65	21.75	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#0	24.01	23.11	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#38	24.01	23.11	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#74	23.81	22.91	33.00	PASS



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中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

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Band41	15MHz	16QAM	40620	75RB#0	22.81	21.91	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#0	23.91	23.01	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#38	23.97	23.07	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#74	23.80	22.90	33.00	PASS
Band41	15MHz	16QAM	41515	75RB#0	22.83	21.93	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#0	22.70	21.80	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#38	22.61	21.71	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#74	22.48	21.58	33.00	PASS
Band41	15MHz	64QAM	39725	75RB#0	21.65	20.75	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#0	22.78	21.88	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#38	22.79	21.89	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#74	22.57	21.67	33.00	PASS
Band41	15MHz	64QAM	40620	75RB#0	21.81	20.91	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#0	22.73	21.83	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#38	22.83	21.93	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#74	22.63	21.73	33.00	PASS
Band41	15MHz	64QAM	41515	75RB#0	21.86	20.96	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#0	24.69	23.79	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#49	24.61	23.71	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#99	24.51	23.61	33.00	PASS
Band41	20MHz	QPSK	39750	100RB#0	23.65	22.75	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#0	24.80	23.90	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#49	24.83	23.93	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#99	24.44	23.54	33.00	PASS
Band41	20MHz	QPSK	40620	100RB#0	23.85	22.95	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#0	24.68	23.78	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#49	24.78	23.88	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#99	24.48	23.58	33.00	PASS
Band41	20MHz	QPSK	41490	100RB#0	23.84	22.94	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#0	23.86	22.96	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#49	23.82	22.92	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#99	23.70	22.80	33.00	PASS
Band41	20MHz	16QAM	39750	100RB#0	22.70	21.80	33.00	PASS



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中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

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Band41	20MHz	16QAM	40620	1RB#0	24.07	23.17	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#49	24.08	23.18	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#99	23.75	22.85	33.00	PASS
Band41	20MHz	16QAM	40620	100RB#0	22.88	21.98	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#0	23.96	23.06	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#49	24.03	23.13	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#99	23.76	22.86	33.00	PASS
Band41	20MHz	16QAM	41490	100RB#0	22.89	21.99	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#0	22.71	21.81	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#49	22.71	21.81	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#99	22.53	21.63	33.00	PASS
Band41	20MHz	64QAM	39750	100RB#0	21.68	20.78	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#0	22.85	21.95	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#49	22.86	21.96	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#99	22.45	21.55	33.00	PASS
Band41	20MHz	64QAM	40620	100RB#0	21.86	20.96	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#0	22.75	21.85	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#49	22.86	21.96	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#99	22.59	21.69	33.00	PASS
Band41	20MHz	64QAM	41490	100RB#0	21.91	21.01	33.00	PASS



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中国·西安·沣东新城科源三路137号康鸿魔方科技园1号楼D单元1层 邮编: 710086

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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	8.34	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.16	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	7.40	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.02	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.04	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	8.32	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	9.38	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	9.56	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	9.26	13	PASS



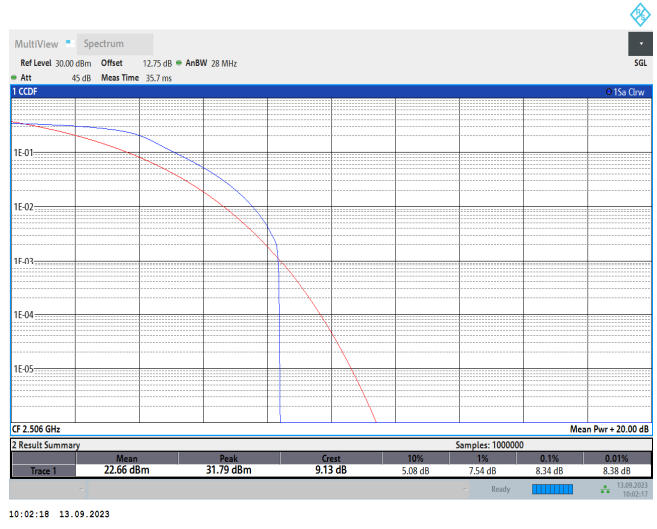
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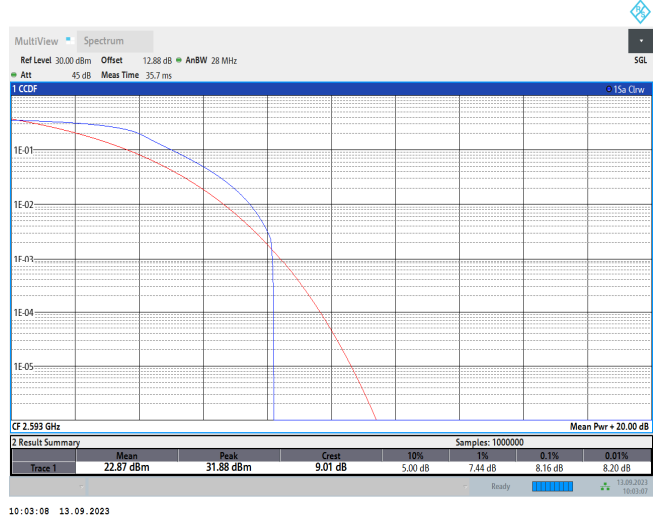
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Test Graphs

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

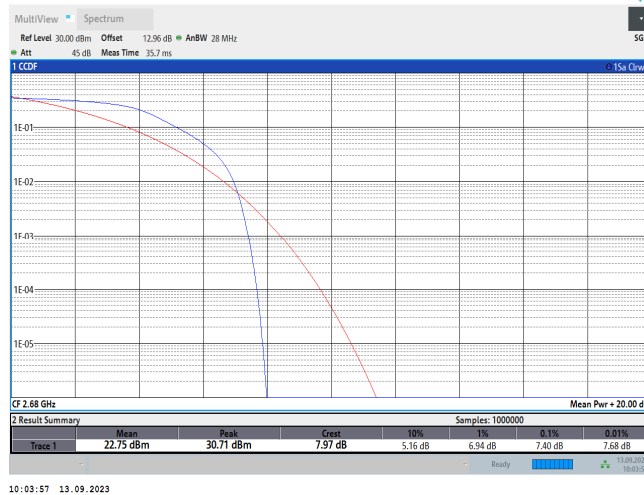


Band41-20MHz-QPSK-40620-100RB#0



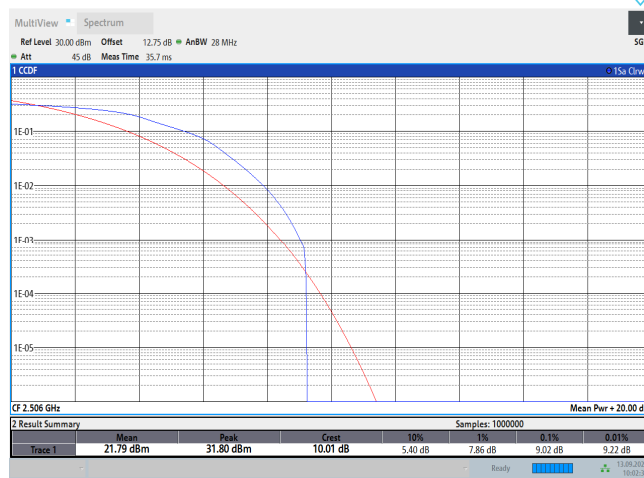
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Band41-20MHz-QPSK-41490-100RB#0



10:03:57 13.09.2023

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



10:02:35 13.09.2023

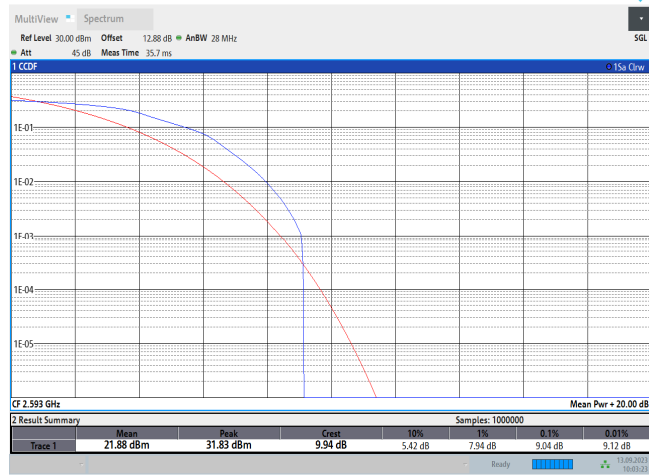


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Band41-20MHz-16QAM-40620-100RB#0

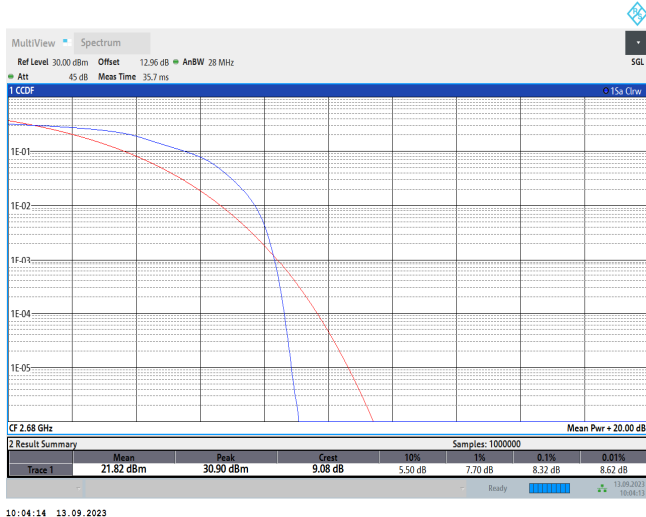


2 Result Summary		Samples: 1000000					
Trace 1	Mean	Peak	Crest	10%	1%	0.1%	0.01%
	21.88 dBm	31.83 dBm	9.94 dB	5.42 dB	7.94 dB	9.04 dB	9.12 dB

10:03:24 13.09.2023

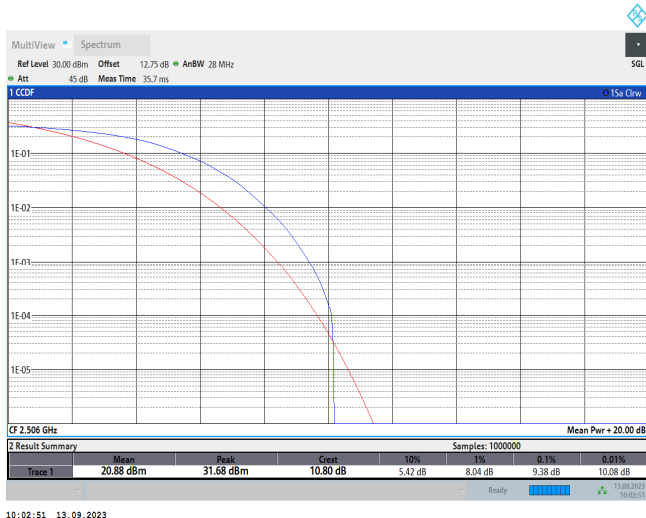


Band41-20MHz-16QAM-41490-100RB#0



10:04:14 13.09.2023

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

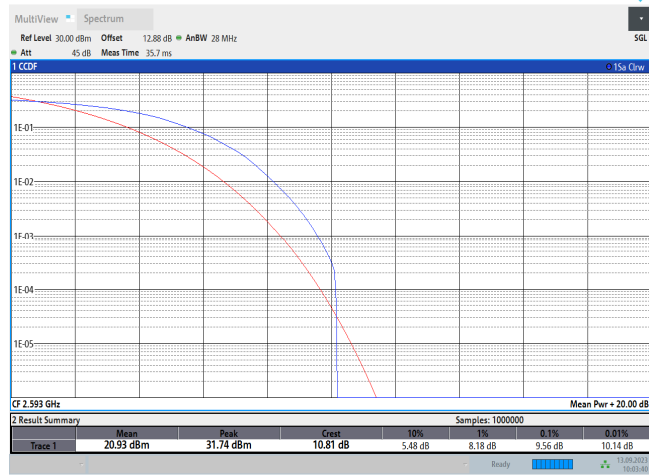


10:02:51 13.09.2023



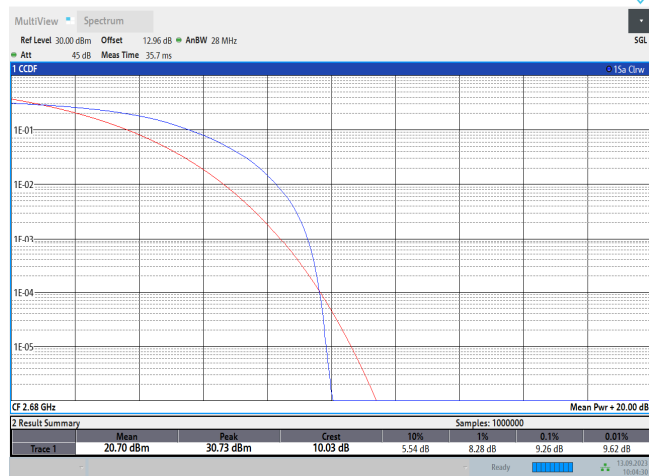
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Band41-20MHz-64QAM-40620-100RB#0



10:03:41 13. 09. 2023

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



10:04:30 13. 09. 2023



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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	4.471	4.82	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.474	4.82	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.47	4.82	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.465	4.87	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.469	4.90	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.472	4.92	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.47	4.82	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.467	4.84	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.474	4.85	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.925	9.62	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.921	9.62	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.934	9.64	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.909	9.60	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.92	9.76	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.918	9.76	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.924	9.84	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.923	9.54	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.934	9.62	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.5	15.69	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.499	15.21	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.506	15.63	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.488	15.51	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.479	15.12	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.489	15.45	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.454	14.97	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.448	14.88	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.457	15.45	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.926	19.76	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.944	19.72	PASS



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Report No.: XEWM2309000447RG01
Rev.: 01
Page: 14 of 60

Band41	20MHz	QPSK	41490	100RB#0	17.946	19.84	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.907	19.40	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.911	19.56	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.919	19.72	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.913	19.68	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.893	19.48	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.911	19.72	PASS



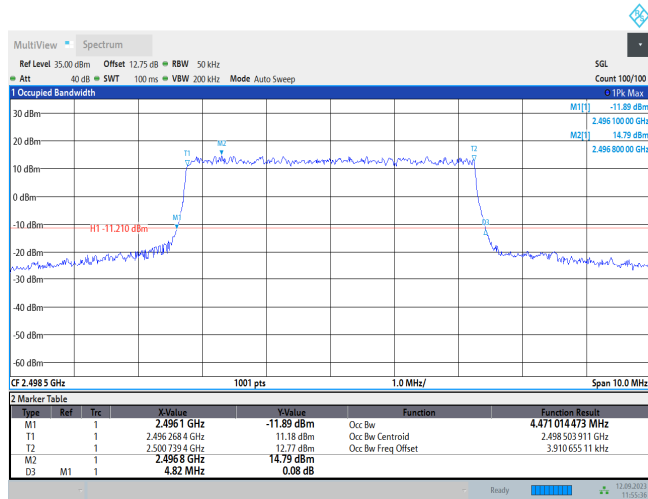
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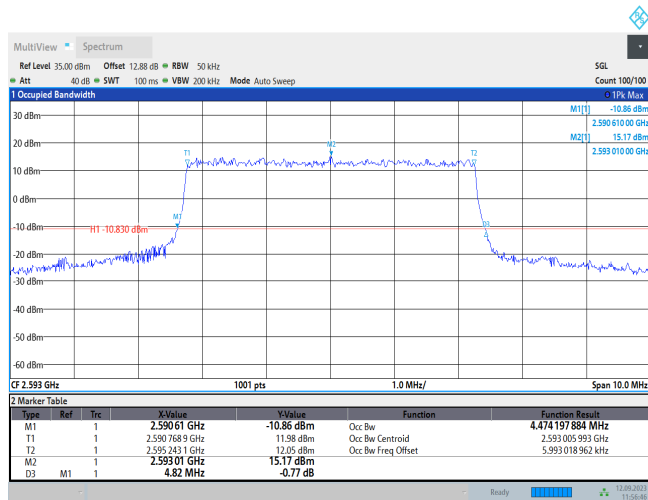
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Test Graphs

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



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

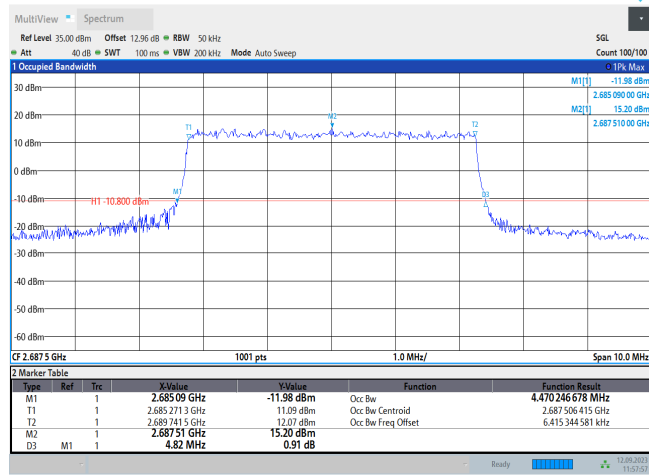


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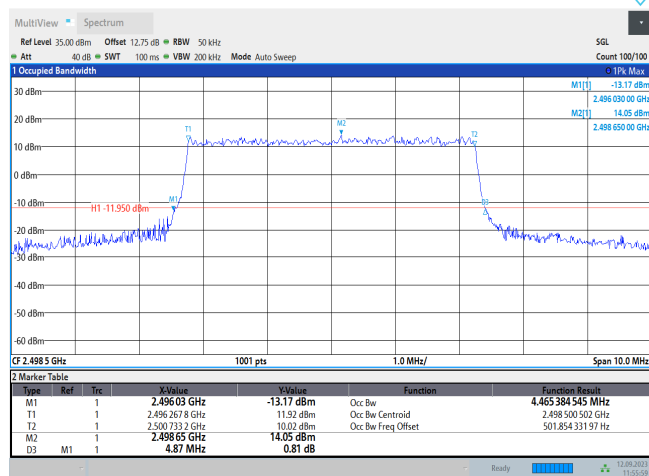
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Band41-5MHz-QPSK-41565-25RB#0



11:57:57 12.09.2023

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

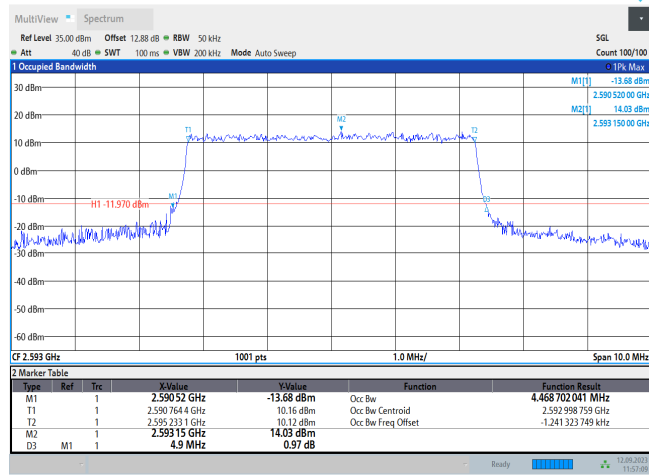


11:56:00 12.09.2023



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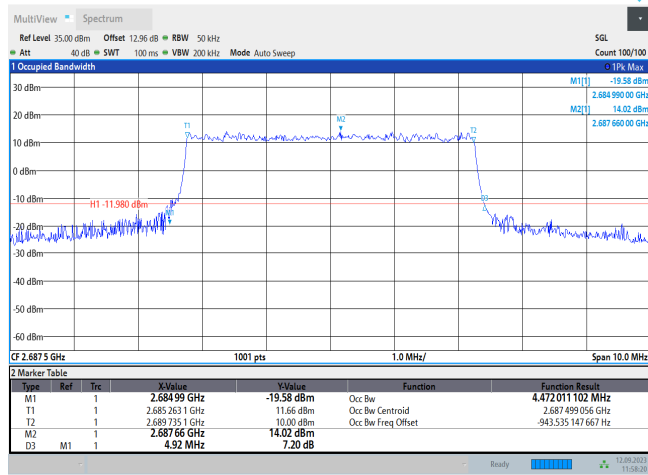
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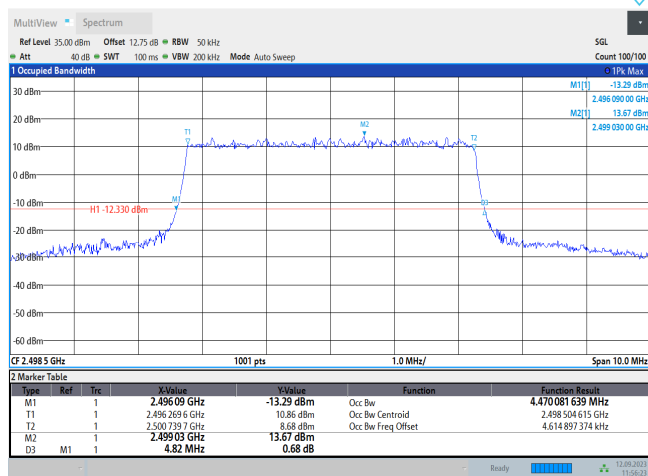


Band41-5MHz-16QAM-41565-25RB#0



11:58:21 12.09.2023

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

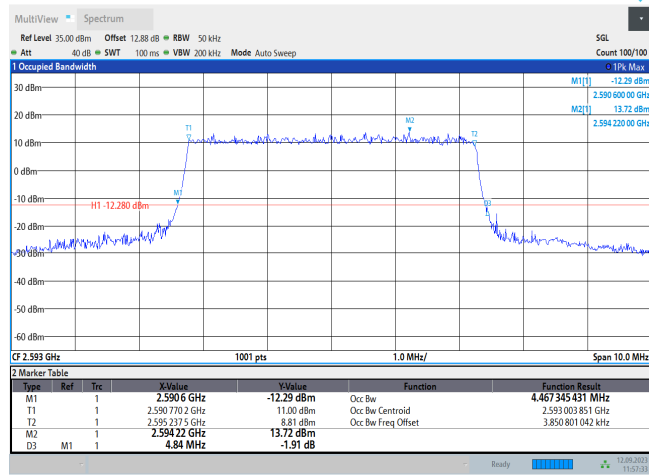


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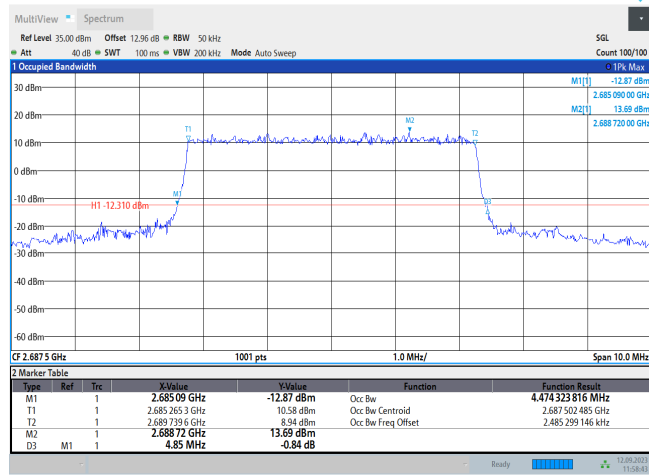
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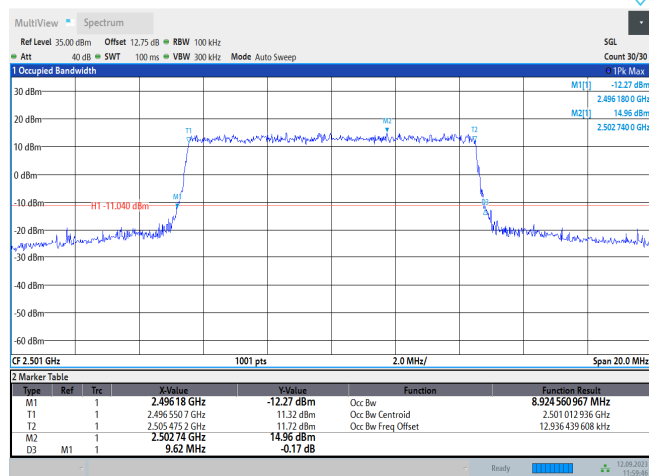


Band41-5MHz-64QAM-41565-25RB#0



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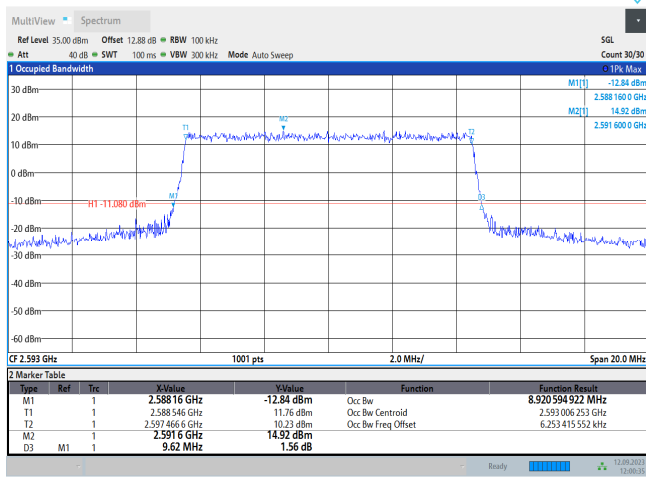
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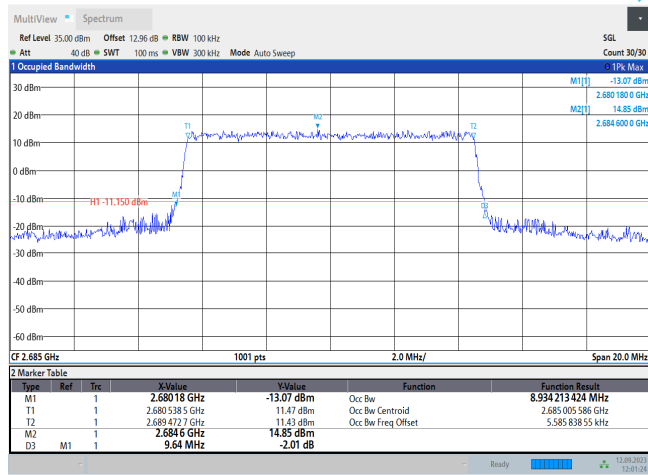
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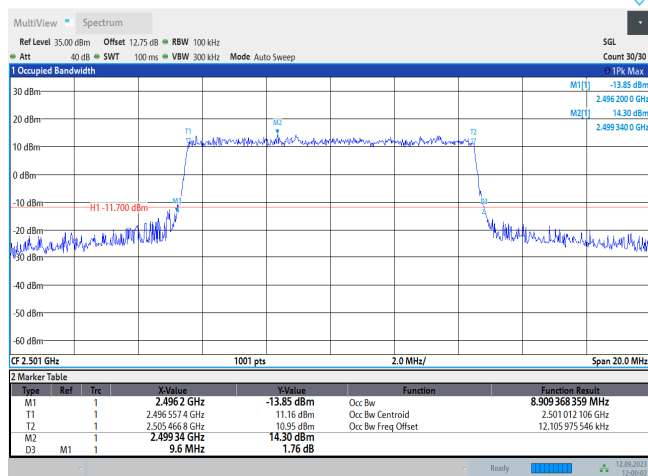
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Band41-10MHz-QPSK-41540-50RB#0



12:01:25 12.09.2023

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



12:00:03 12.09.2023

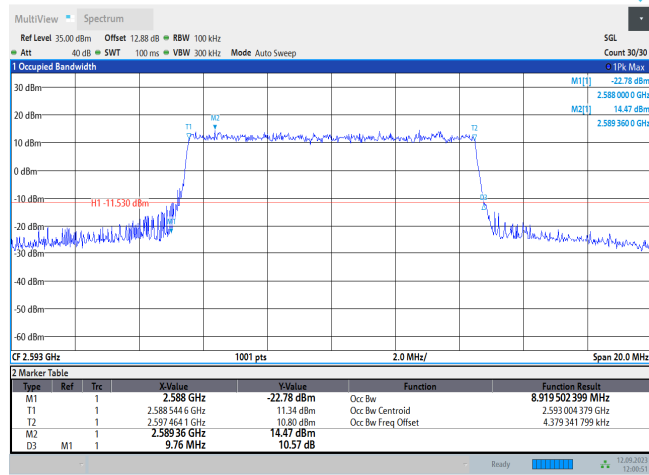


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Band41-10MHz-16QAM-40620-50RB#0

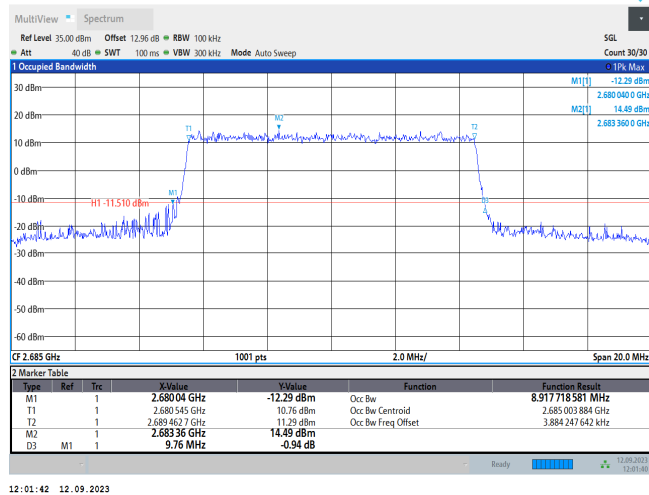


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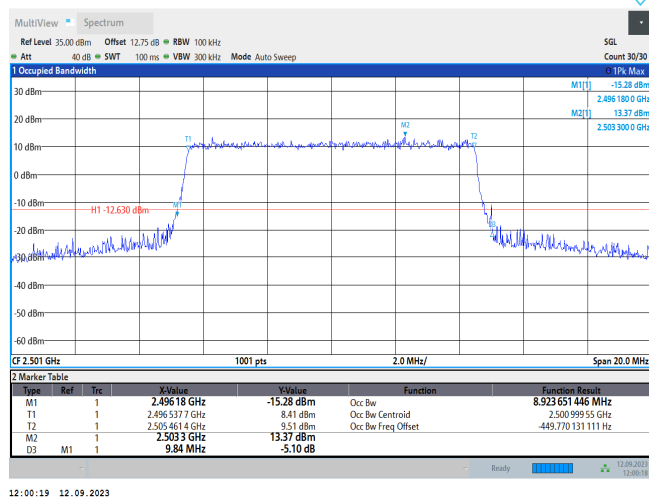


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Band41-10MHz-16QAM-41540-50RB#0

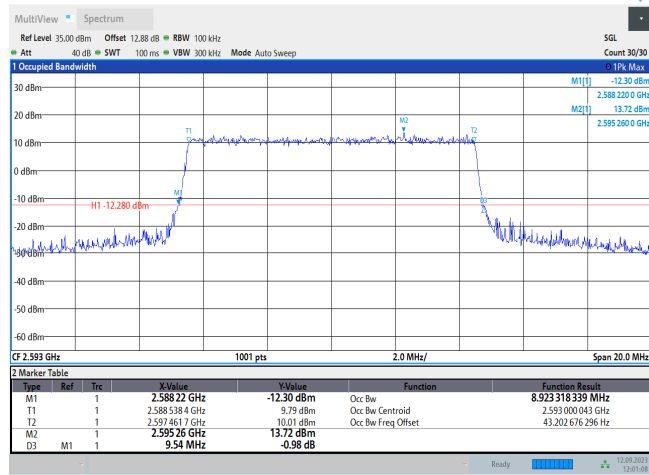


Band41-10MHz-64QAM-39700-50RB#0



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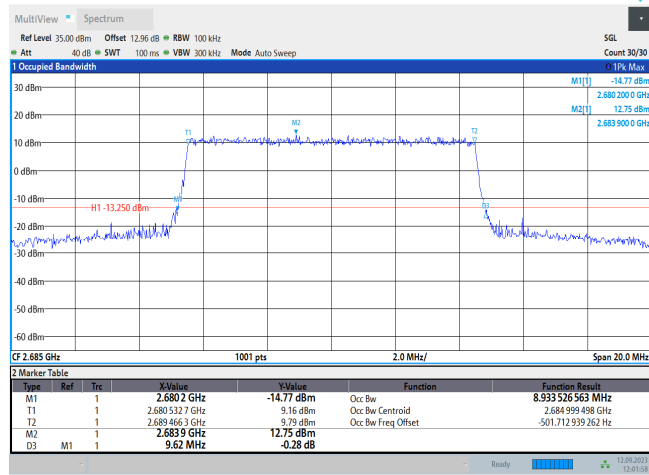


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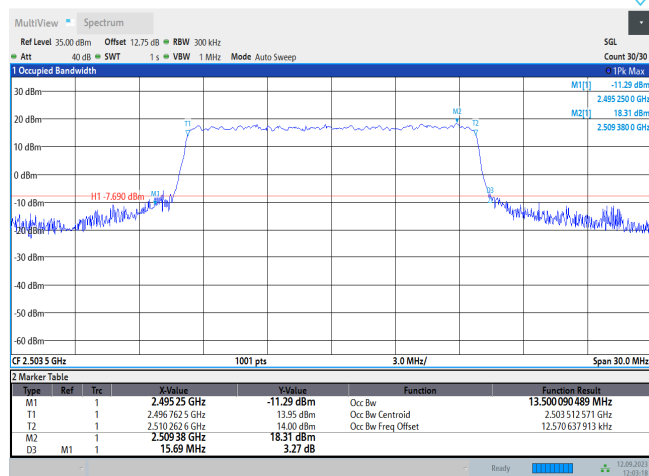
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Band41-10MHz-64QAM-41540-50RB#0



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



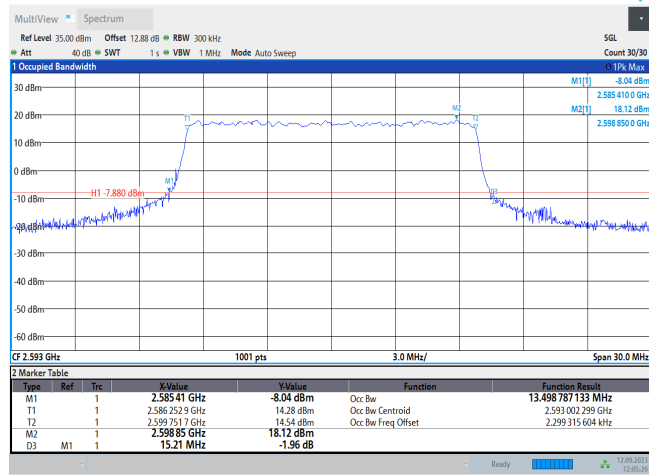
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Band41-15MHz-QPSK-40620-75RB#0



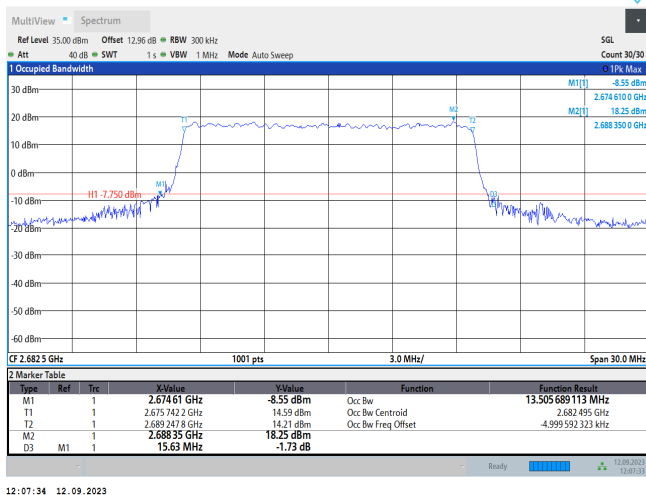
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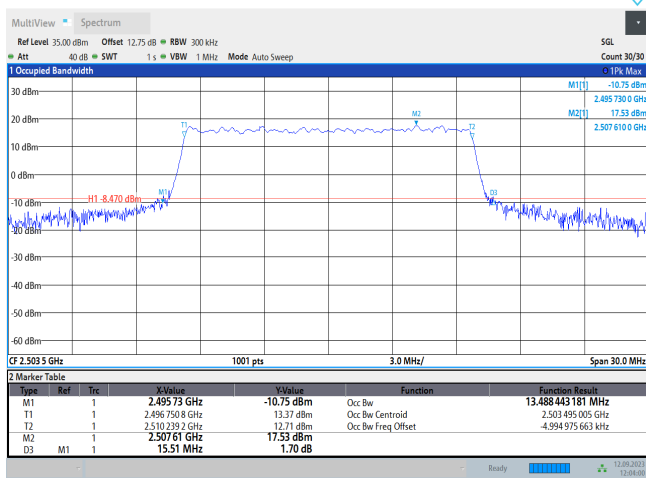
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Band41-15MHz-QPSK-41515-75RB#0



12:07:34 12.09.2023

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

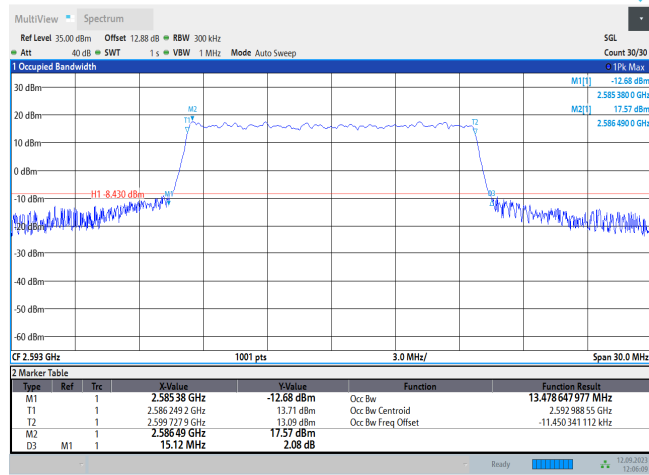


12:04:00 12.09.2023



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

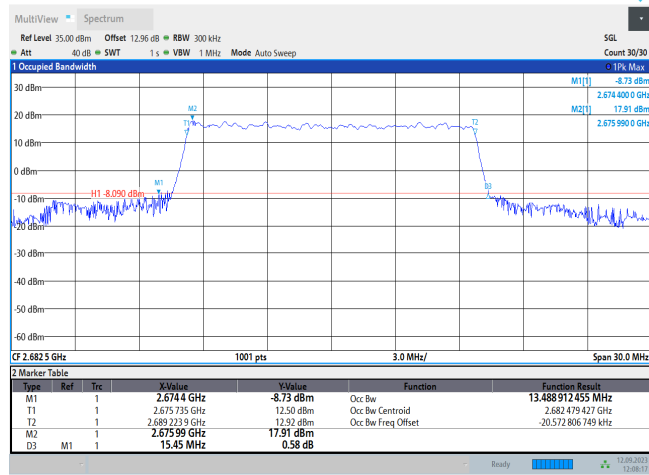


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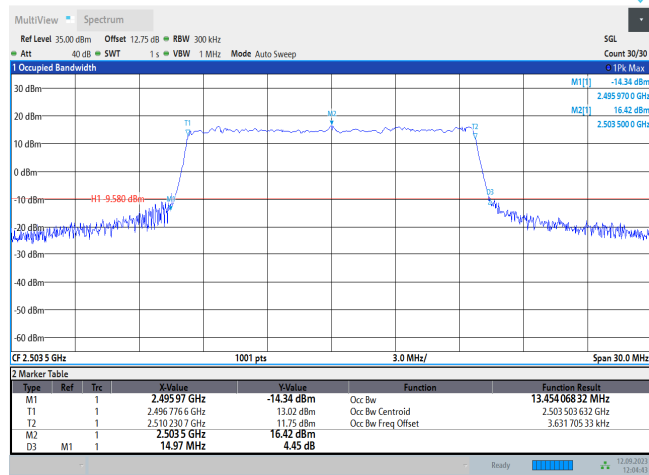
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Band41-15MHz-16QAM-41515-75RB#0



12:08:17 12.09.2023

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



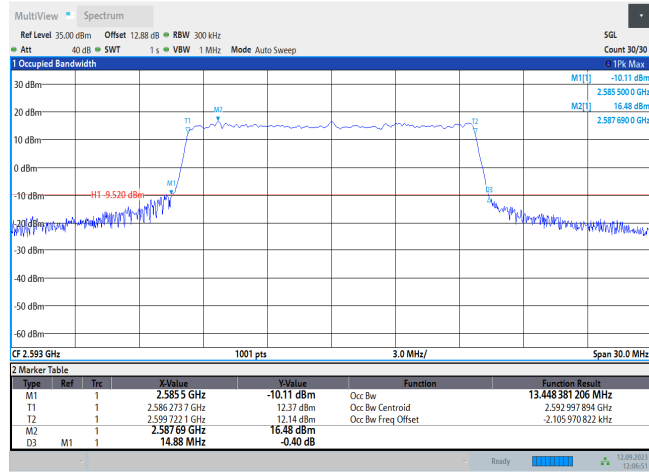
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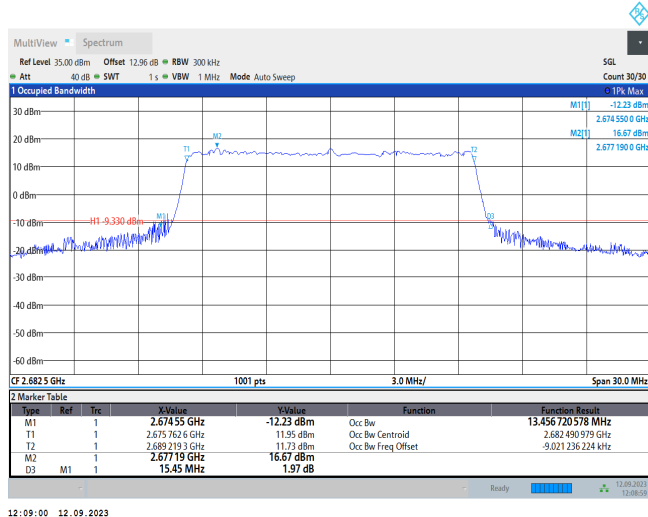
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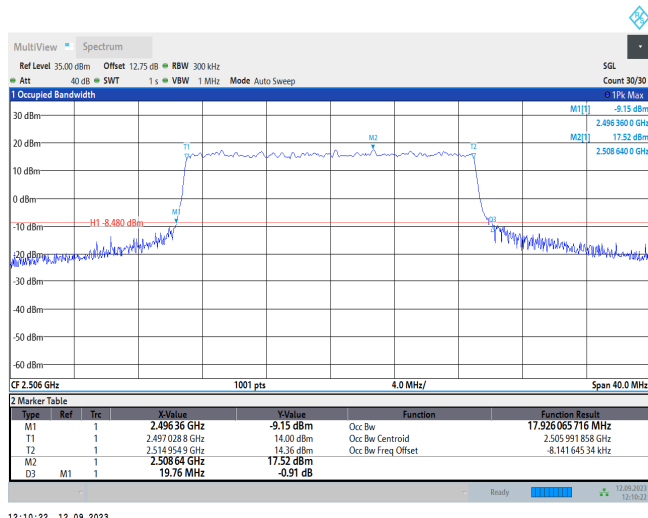


Band41-15MHz-64QAM-41515-75RB#0



12:09:00 12.09.2023

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



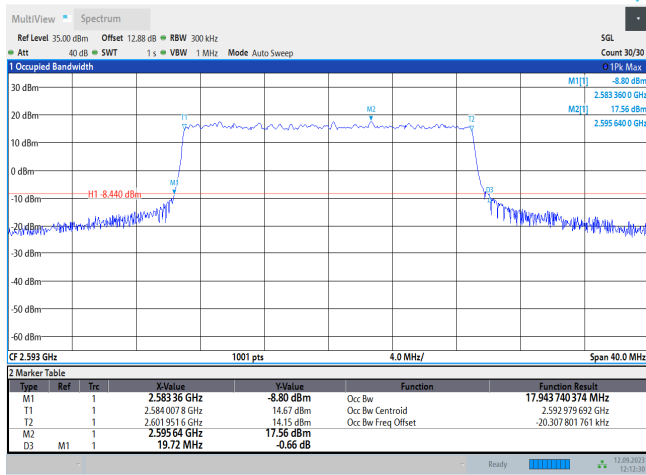
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Band41-20MHz-QPSK-40620-100RB#0



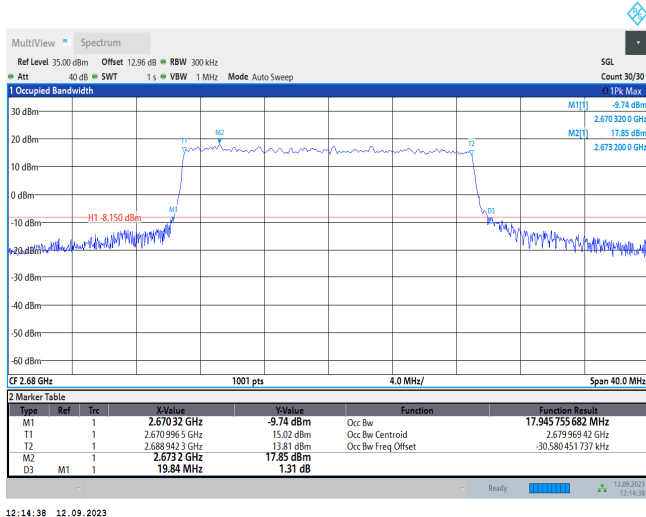
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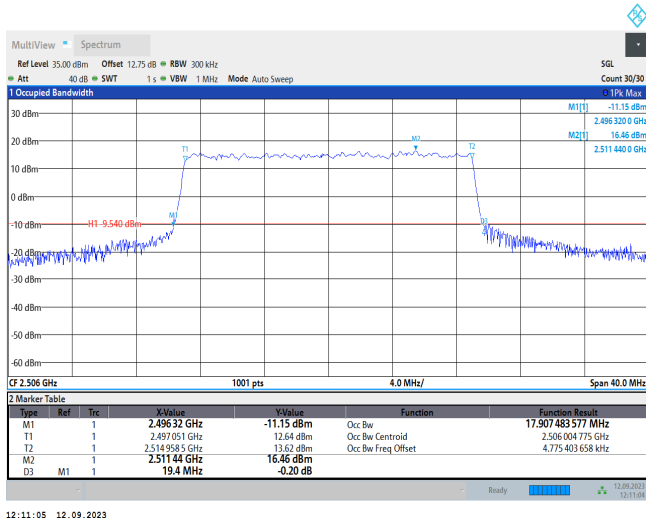
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Band41-20MHz-QPSK-41490-100RB#0

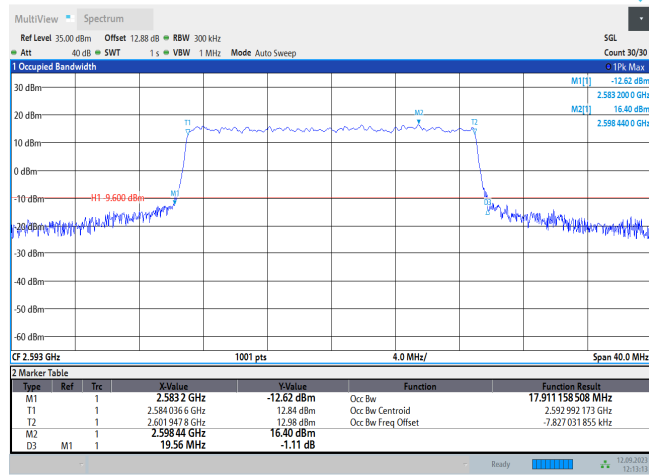


Band41-20MHz-16QAM-39750-100RB#0



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

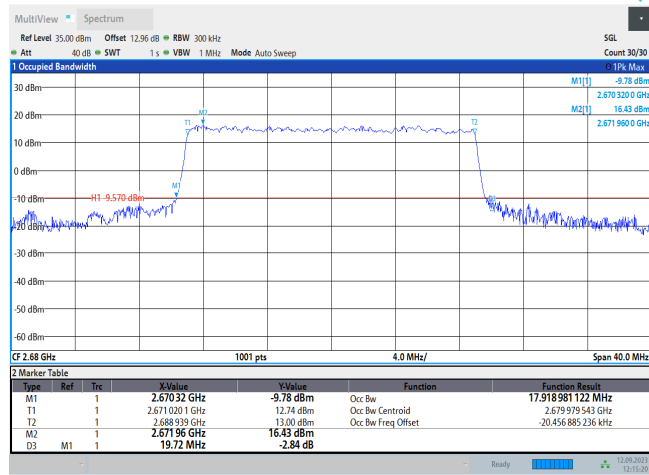


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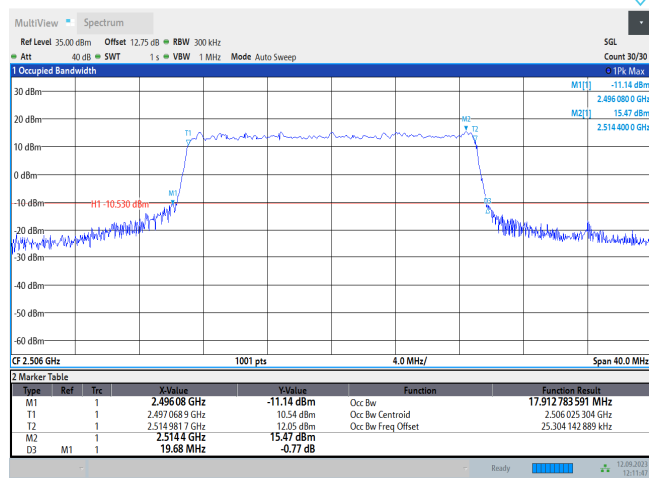
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Band41-20MHz-16QAM-41490-100RB#0



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



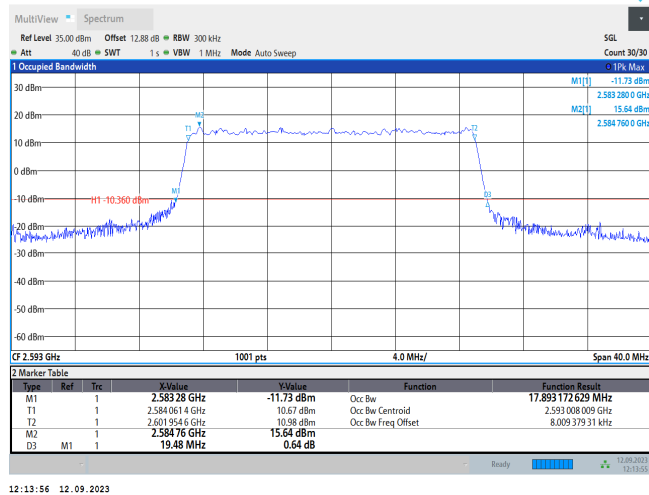
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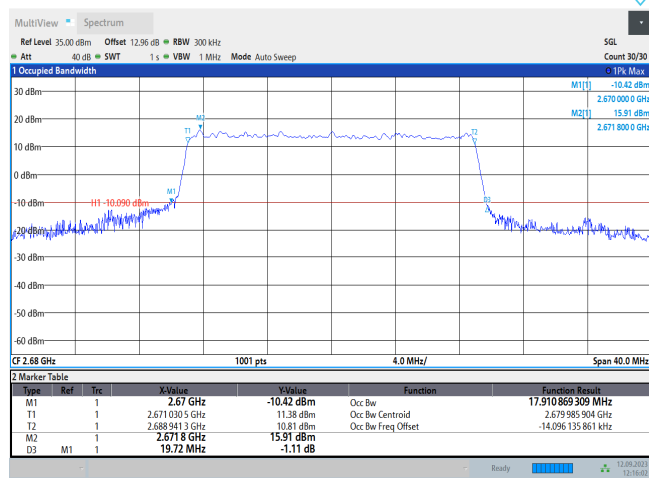
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Band41-20MHz-64QAM-40620-100RB#0



12:13:56 12.09.2023

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



12:16:03 12.09.2023



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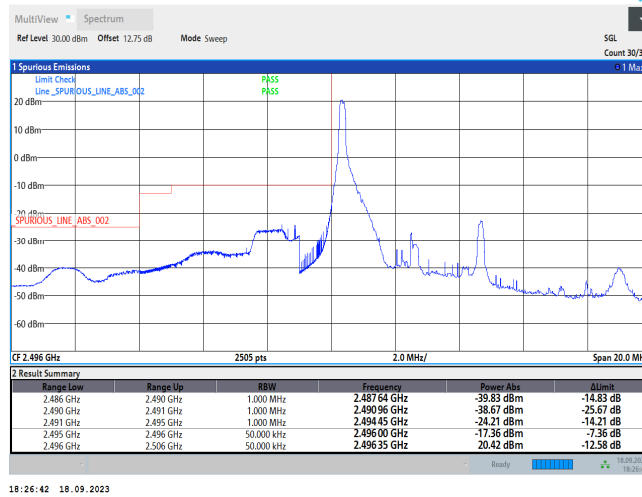
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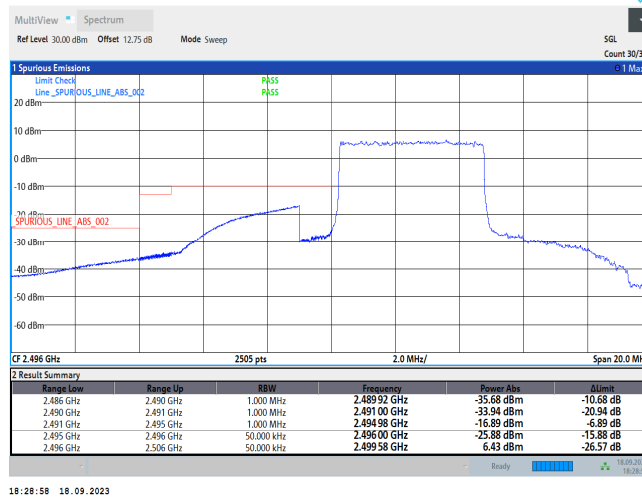
Band Edge

Test Graphs

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



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



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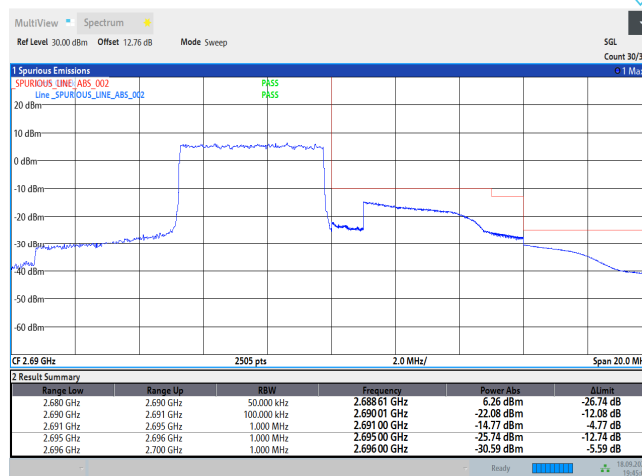
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Band41-5MHz-QPSK-41565-1RB#24



18:31:48 18. 09. 2023

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

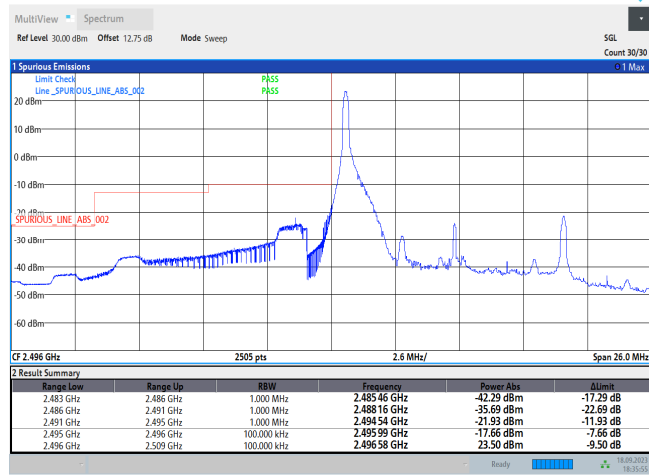


19:45:06 18. 09. 2023



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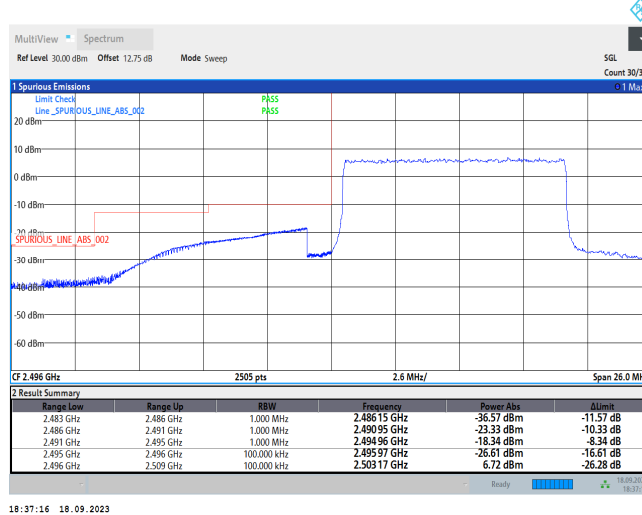
Band41-10MHz-QPSK-39700-1RB#0



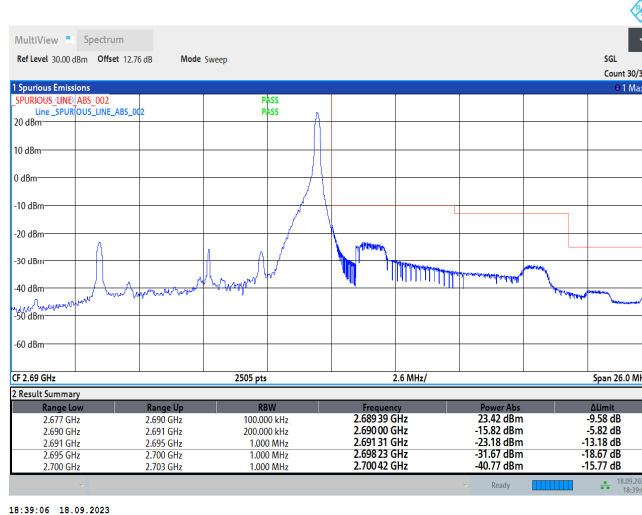
18:35:55 18.09.2023



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

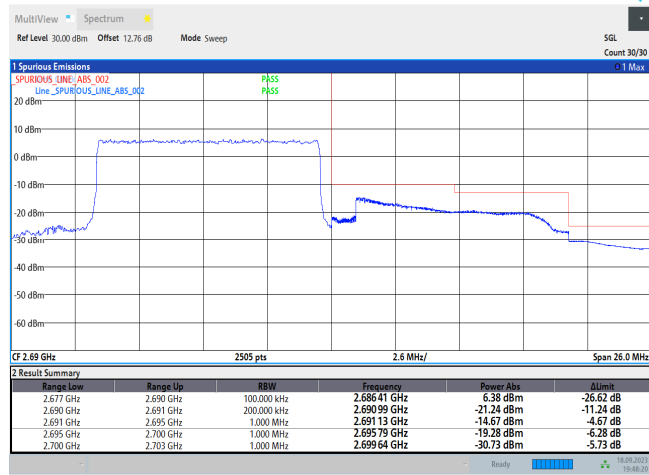


Band41-10MHz-QPSK-41540-1RB#49



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

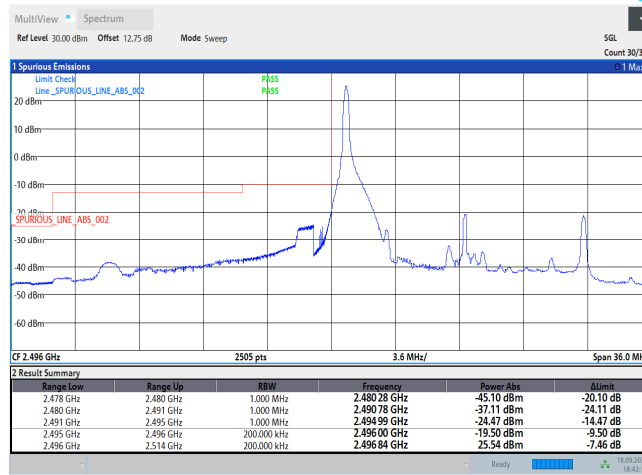


19:48:20 18.09.2023

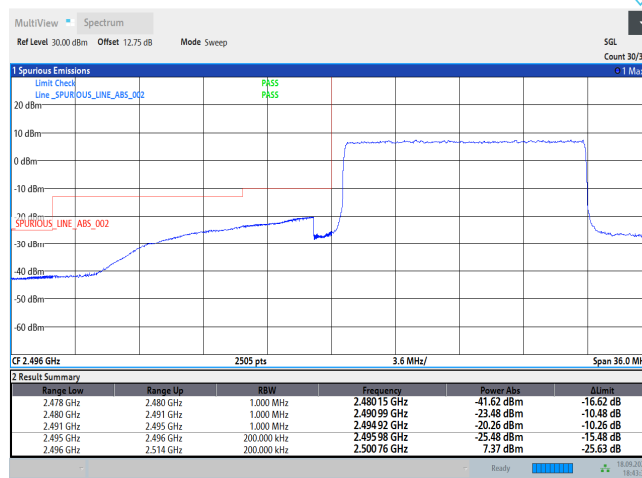


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Band41-15MHz-QPSK-39725-1RB#0



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



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



18:45:21 18-09-2023



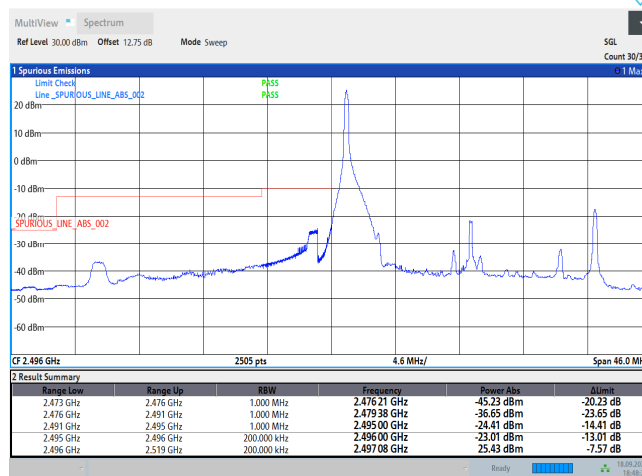
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Band41-15MHz-QPSK-41515-75RB#0



18:46:37 18.09.2023

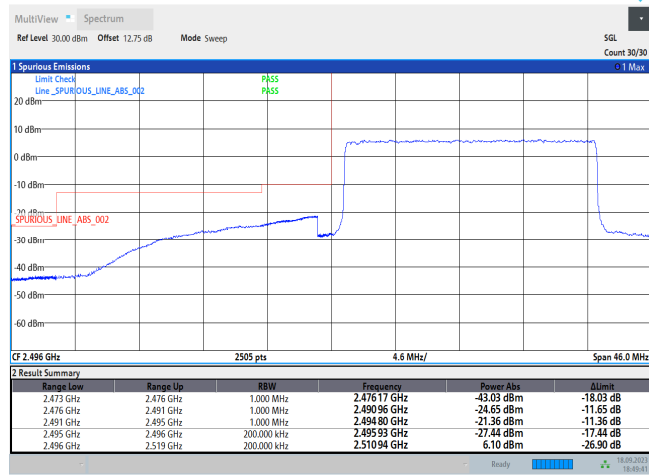
Band41-20MHz-QPSK-39750-1RB#0



18:48:26 18.09.2023



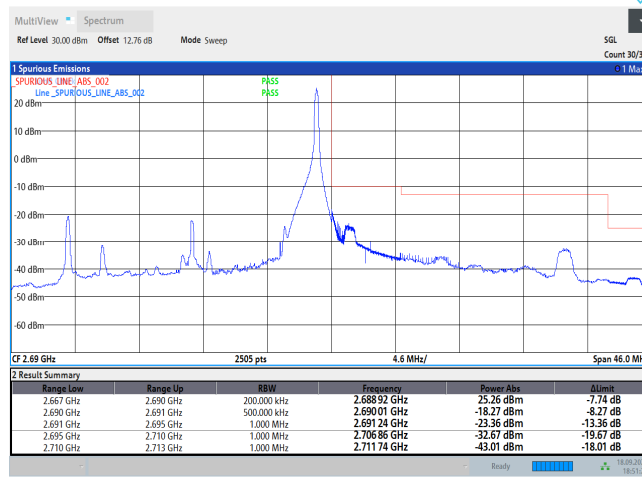
Band41-20MHz-QPSK-39750-100RB#0



18:49:42 18.09.2023



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



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

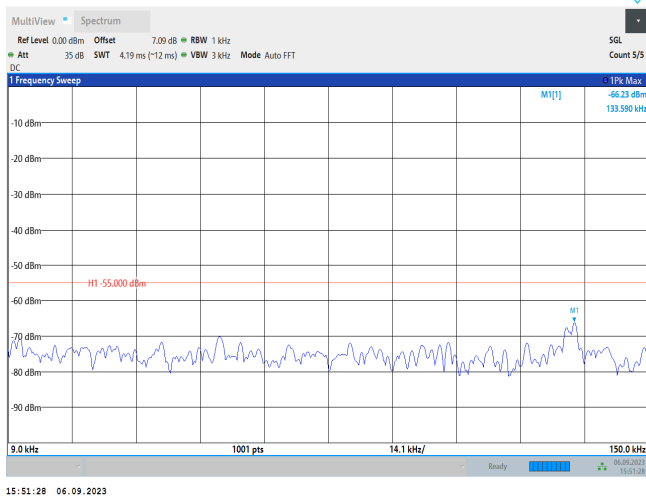


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Conducted Spurious Emission

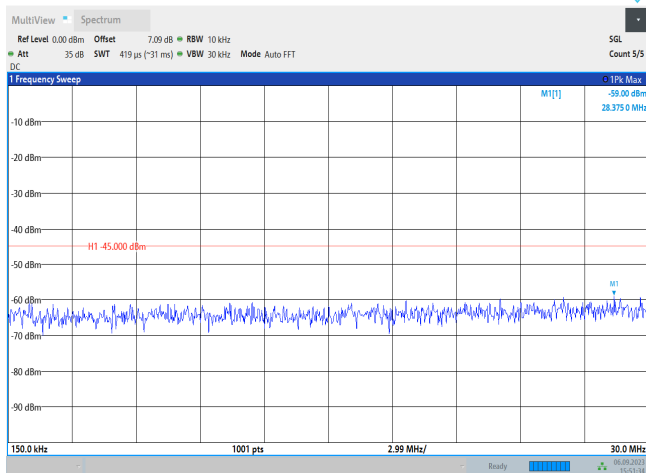
Test Graphs

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



15:51:28 06.09.2023

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

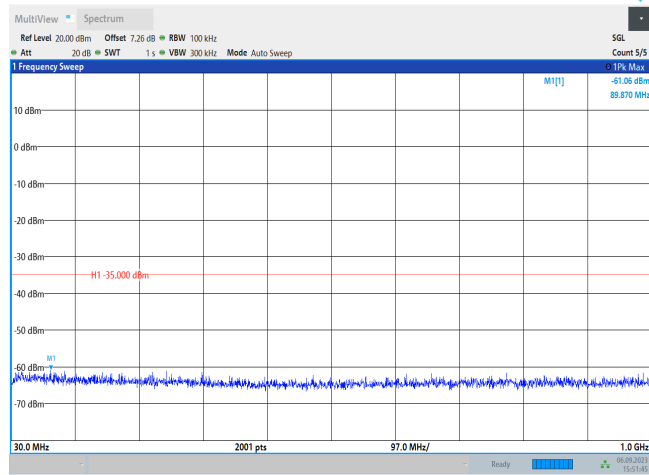


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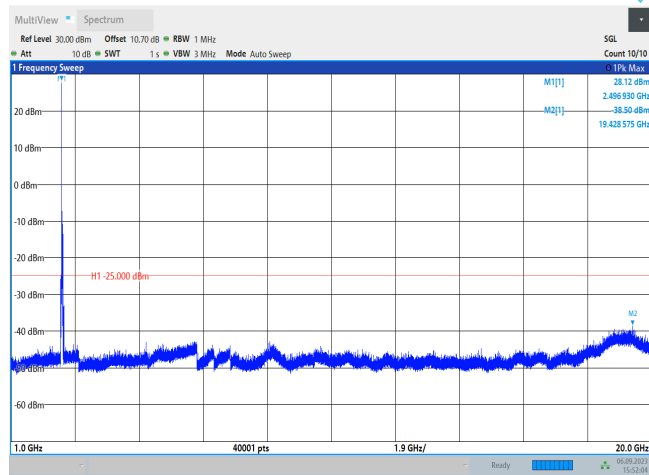
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Band41-20MHz-QPSK-39750-1RB#0-Range3:30~1000MHz



15:51:46 06.09.2023

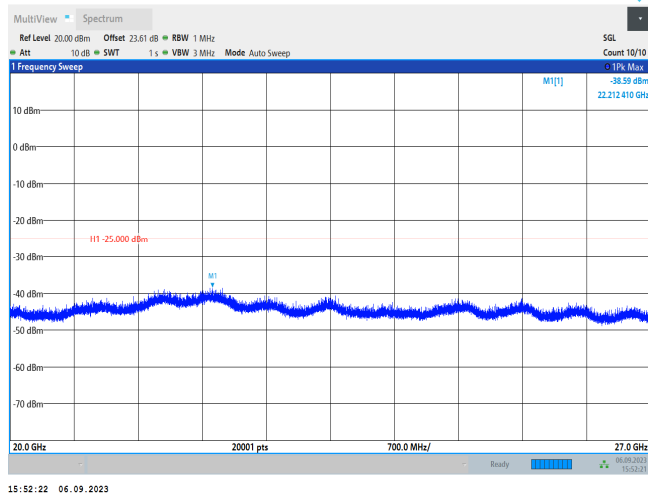
Band41-20MHz-QPSK-39750-1RB#0-Range4:1000~20000MHz



15:52:05 06.09.2023

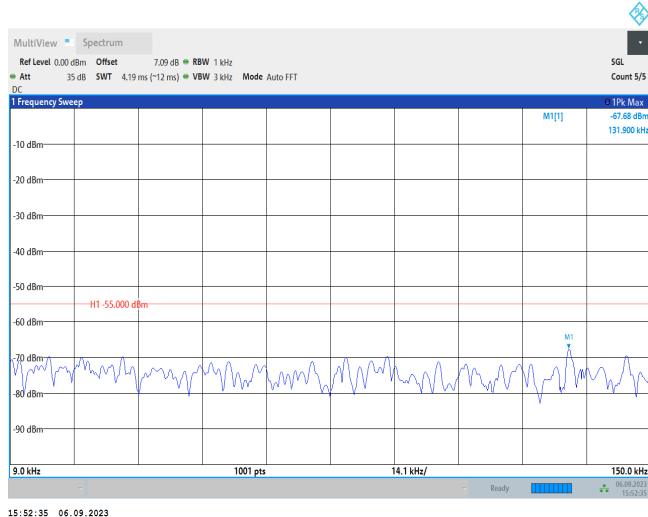


Band41-20MHz-QPSK-39750-1RB#0-Range5:20000~27000MHz



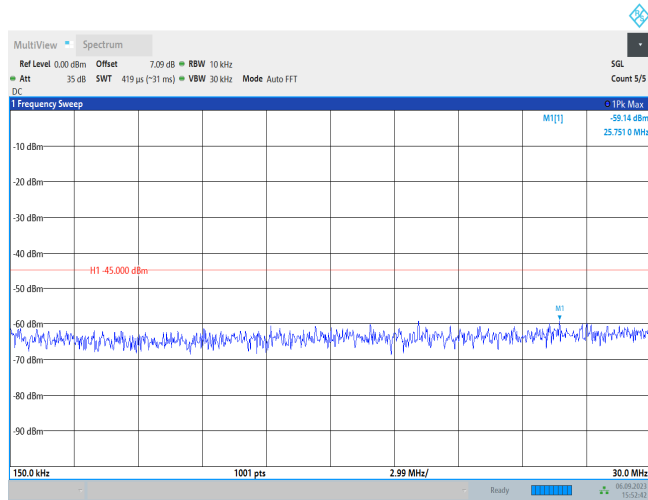
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Band41-20MHz-QPSK-40620-1RB#0-Range1:0.009~0.15MHz



15:52:35 06.09.2023

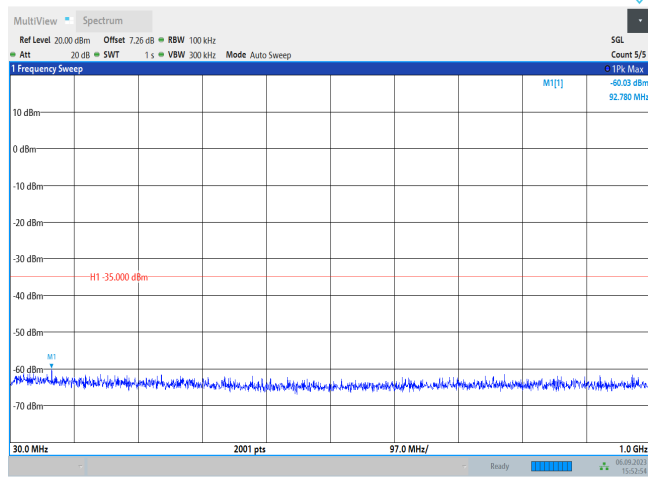
Band41-20MHz-QPSK-40620-1RB#0-Range2:0.15~30MHz



15:52:42 06.09.2023



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

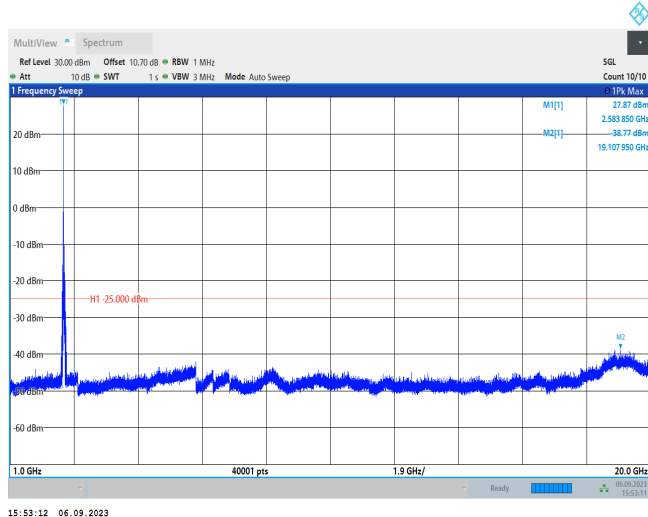


15:52:54 06.09.2023



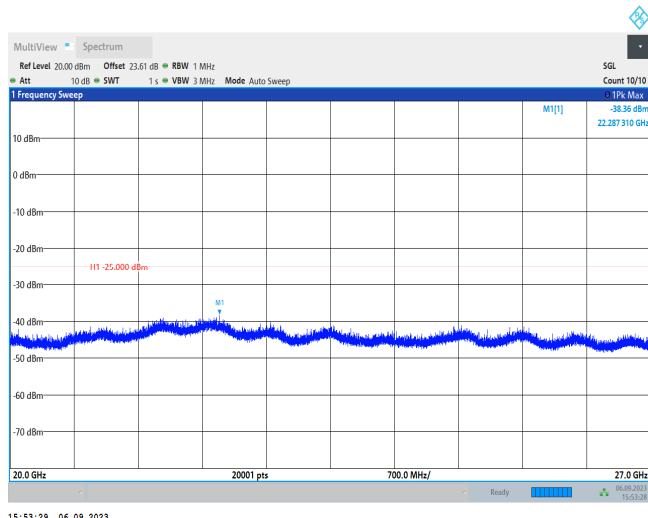
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Band41-20MHz-QPSK-40620-1RB#0-Range4:1000~20000MHz



15:53:12 06.09.2023

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



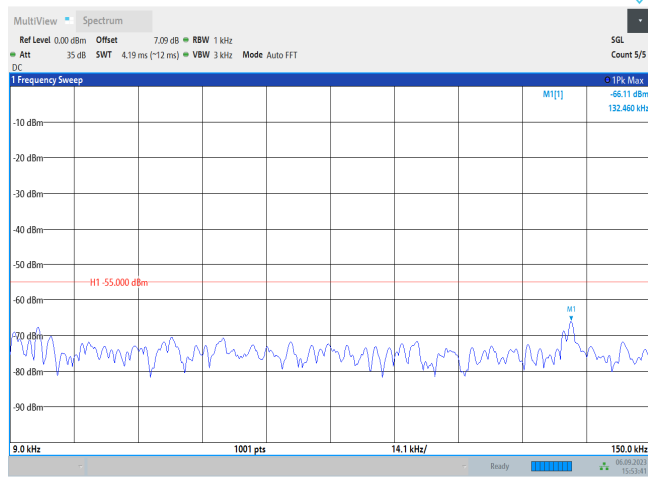
15:53:29 06.09.2023



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



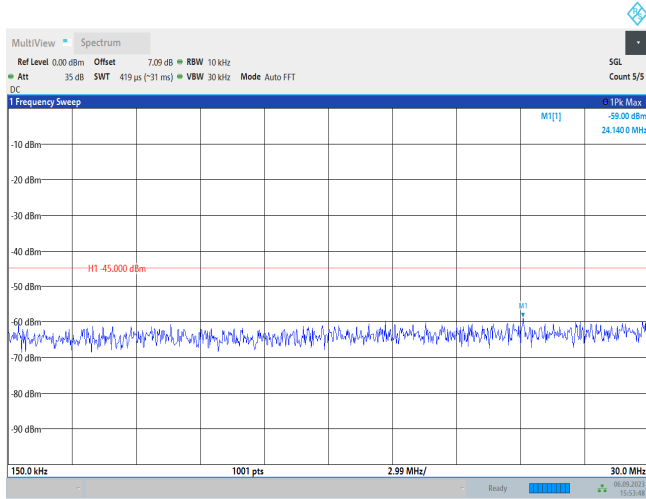
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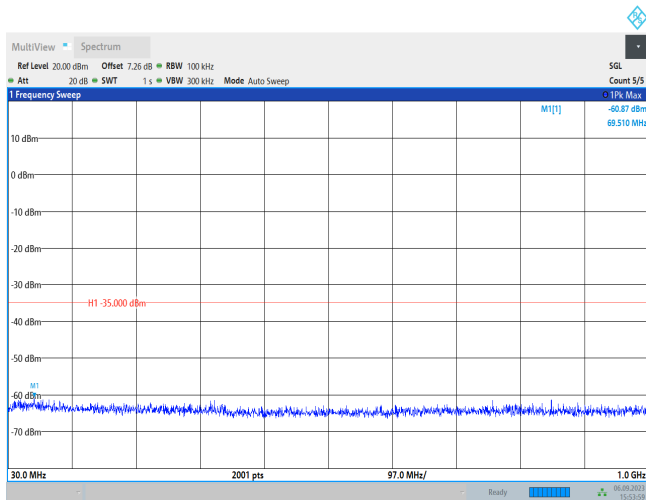
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Band41-20MHz-QPSK-41490-1RB#0-Range2:0.15~30MHz



15:53:49 06.09.2023

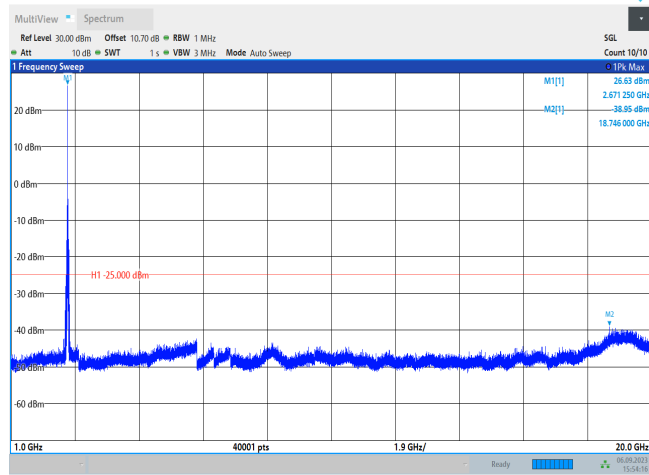
Band41-20MHz-QPSK-41490-1RB#0-Range3:30~1000MHz



15:54:00 06.09.2023

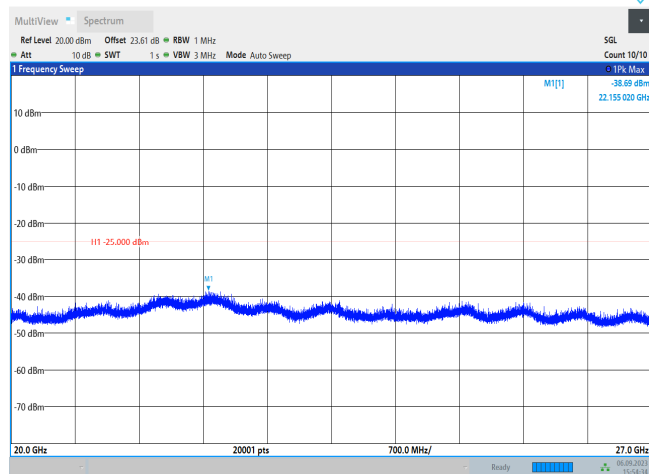


Band41-20MHz-QPSK-41490-1RB#0-Range4:1000~20000MHz



15:54:17 06.09.2023

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



15:54:35 06.09.2023



Field Strength of Spurious Radiation

Test Band = LTE_41_20MHz

Test Channel = LCH

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2981	37.50	-21.80	28.49	-51.07	-25.00	26.07	Horizontal
2	4994	62.08	-42.73	31.18	-44.73	-25.00	19.73	Horizontal
3	7421.5	43.40	-38.28	36.74	-53.40	-25.00	28.40	Horizontal
4	11098.5	42.43	-37.58	40.20	-50.21	-25.00	25.21	Horizontal
5	13585.5	41.86	-37.86	40.07	-51.19	-25.00	26.19	Horizontal
6	16351	41.36	-35.09	38.65	-50.34	-25.00	25.34	Horizontal

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2998.5	37.44	-21.77	28.59	-51.00	-25.00	26.00	Vertical
2	4994	63.78	-42.73	31.18	-43.03	-25.00	18.03	Vertical
3	7491.5	51.20	-38.29	36.88	-45.47	-25.00	20.47	Vertical
4	9988.5	48.29	-37.29	38.69	-45.57	-25.00	20.57	Vertical
5	12485.5	44.40	-39.61	39.12	-51.35	-25.00	26.35	Vertical
6	17987	40.56	-43.14	47.97	-49.87	-25.00	24.87	Vertical



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Test Band = LTE_41_20MHz

Test Channel = MCH

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3681	46.98	-44.48	29.30	-63.46	-25.00	38.46	Horizontal
2	4322.5	47.12	-43.42	29.68	-61.88	-25.00	36.88	Horizontal
3	5168	68.22	-42.54	31.84	-37.74	-25.00	12.74	Horizontal
4	8438.5	43.32	-36.79	36.42	-52.31	-25.00	27.31	Horizontal
5	9934	42.22	-35.85	38.63	-50.26	-25.00	25.26	Horizontal
6	16485.5	41.25	-35.50	39.23	-50.28	-25.00	25.28	Horizontal

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2997.5	37.54	-21.77	28.59	-50.90	-25.00	25.90	Vertical
2	3661	47.34	-44.45	29.30	-63.07	-25.00	38.07	Vertical
3	5168	73.01	-42.54	31.84	-32.95	-25.00	7.95	Vertical
4	7752	50.73	-37.74	36.41	-45.86	-25.00	20.86	Vertical
5	10336.5	45.79	-37.30	39.14	-47.63	-25.00	22.63	Vertical
6	16349.5	41.58	-35.10	38.65	-50.13	-25.00	25.13	Vertical



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Test Band = LTE_41_20MHz
Test Channel = HCH

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3928	46.70	-44.19	29.81	-62.94	-25.00	37.94	Horizontal
2	5342	64.88	-42.18	32.15	-40.41	-25.00	15.41	Horizontal
3	8439	43.01	-36.78	36.42	-52.61	-25.00	27.61	Horizontal
4	10684.5	43.78	-37.76	39.47	-49.77	-25.00	24.77	Horizontal
5	13617.5	41.83	-37.87	40.12	-51.18	-25.00	26.18	Horizontal
6	16355	41.43	-35.07	38.67	-50.23	-25.00	25.23	Horizontal

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3665	46.93	-44.45	29.30	-63.48	-25.00	38.48	Vertical
2	5342	67.30	-42.18	32.15	-37.99	-25.00	12.99	Vertical
3	8013.5	46.47	-37.28	36.43	-49.64	-25.00	24.64	Vertical
4	10684.5	49.42	-37.76	39.47	-44.13	-25.00	19.13	Vertical
5	13553.5	42.07	-37.91	40.01	-51.09	-25.00	26.09	Vertical
6	17999.5	40.01	-43.04	48.19	-50.10	-25.00	25.10	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

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	-11.64	-0.004489	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-5.59	-0.002156	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	-10.27	-0.003961	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-7.80	-0.003008	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-7.15	-0.002757	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	-10.01	-0.003860	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-11.43	-0.004408	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-7.68	-0.002962	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	-14.96	-0.005769	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	-9.76	-0.003764	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-7.35	-0.002835	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	-9.24	-0.003563	PASS

---End of Attachment---



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 1/F, Unit D, Building 1, Kanglong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
 中国·西安·沣东新城科源三路137号康鸿幢方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
 t (86-29) 6282 7885 sgs.china@sgs.com