

Appendix B.13

LTE Band 41



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Effective (Isotropic) Radiated Power Output Data

Test Result

ANT31

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	23.88	21.58	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#12	23.84	21.54	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#24	23.86	21.56	33.00	PASS
Band41	5MHz	QPSK	39675	25RB#0	23.02	20.72	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#0	23.88	21.58	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#12	23.79	21.49	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#24	23.89	21.59	33.00	PASS
Band41	5MHz	QPSK	40620	25RB#0	22.96	20.66	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#0	23.68	21.38	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#12	23.62	21.32	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#24	23.74	21.44	33.00	PASS
Band41	5MHz	QPSK	41565	25RB#0	22.78	20.48	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#0	23.09	20.79	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#12	23.06	20.76	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#24	23.07	20.77	33.00	PASS
Band41	5MHz	16QAM	39675	25RB#0	22.06	19.76	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#0	23.12	20.82	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#12	22.98	20.68	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#24	23.04	20.74	33.00	PASS
Band41	5MHz	16QAM	40620	25RB#0	21.97	19.67	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#0	22.87	20.57	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#12	22.80	20.50	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#24	23.01	20.71	33.00	PASS
Band41	5MHz	16QAM	41565	25RB#0	21.80	19.50	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#0	21.66	19.36	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#12	21.56	19.26	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#24	21.66	19.36	33.00	PASS



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Wireless Laboratories

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南座 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com



Band41	5MHz	64QAM	39675	25RB#0	21.13	18.83	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#0	21.52	19.22	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#12	21.67	19.37	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#24	21.64	19.34	33.00	PASS
Band41	5MHz	64QAM	40620	25RB#0	21.02	18.72	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#0	21.42	19.12	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#12	21.37	19.07	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#24	21.47	19.17	33.00	PASS
Band41	5MHz	64QAM	41565	25RB#0	20.85	18.55	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#0	23.93	21.63	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#24	23.92	21.62	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#49	23.83	21.53	33.00	PASS
Band41	10MHz	QPSK	39700	50RB#0	23.04	20.74	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#0	23.91	21.61	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#24	23.92	21.62	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#49	23.81	21.51	33.00	PASS
Band41	10MHz	QPSK	40620	50RB#0	22.96	20.66	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#0	23.74	21.44	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#24	23.74	21.44	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#49	23.65	21.35	33.00	PASS
Band41	10MHz	QPSK	41540	50RB#0	22.76	20.46	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#0	23.08	20.78	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#24	22.97	20.67	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#49	22.96	20.66	33.00	PASS
Band41	10MHz	16QAM	39700	50RB#0	22.09	19.79	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#0	23.08	20.78	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#24	22.94	20.64	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#49	22.91	20.61	33.00	PASS
Band41	10MHz	16QAM	40620	50RB#0	22.01	19.71	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#0	22.92	20.62	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#24	22.79	20.49	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#49	22.76	20.46	33.00	PASS



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Band41	10MHz	16QAM	41540	50RB#0	21.80	19.50	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#0	21.69	19.39	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#24	21.63	19.33	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#49	21.58	19.28	33.00	PASS
Band41	10MHz	64QAM	39700	50RB#0	21.10	18.80	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#0	21.57	19.27	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#24	21.57	19.27	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#49	21.52	19.22	33.00	PASS
Band41	10MHz	64QAM	40620	50RB#0	21.03	18.73	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#0	21.54	19.24	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#24	21.44	19.14	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#49	21.39	19.09	33.00	PASS
Band41	10MHz	64QAM	41540	50RB#0	20.78	18.48	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#0	23.65	21.35	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#38	23.67	21.37	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#74	23.59	21.29	33.00	PASS
Band41	15MHz	QPSK	39725	75RB#0	22.82	20.52	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#0	23.75	21.45	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#38	23.68	21.38	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#74	23.67	21.37	33.00	PASS
Band41	15MHz	QPSK	40620	75RB#0	22.84	20.54	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#0	23.64	21.34	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#38	23.53	21.23	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#74	23.55	21.25	33.00	PASS
Band41	15MHz	QPSK	41515	75RB#0	22.62	20.32	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#0	22.80	20.50	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#38	22.82	20.52	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#74	22.72	20.42	33.00	PASS
Band41	15MHz	16QAM	39725	75RB#0	21.84	19.54	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#0	22.89	20.59	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#38	22.80	20.50	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#74	22.79	20.49	33.00	PASS



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Band41	15MHz	16QAM	40620	75RB#0	21.89	19.59	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#0	22.82	20.52	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#38	22.67	20.37	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#74	22.72	20.42	33.00	PASS
Band41	15MHz	16QAM	41515	75RB#0	21.65	19.35	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#0	21.35	19.05	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#38	21.34	19.04	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#74	21.22	18.92	33.00	PASS
Band41	15MHz	64QAM	39725	75RB#0	20.85	18.55	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#0	21.34	19.04	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#38	21.33	19.03	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#74	21.35	19.05	33.00	PASS
Band41	15MHz	64QAM	40620	75RB#0	20.85	18.55	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#0	21.29	18.99	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#38	21.21	18.91	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#74	21.25	18.95	33.00	PASS
Band41	15MHz	64QAM	41515	75RB#0	20.63	18.33	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#0	23.62	21.32	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#49	23.63	21.33	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#99	23.49	21.19	33.00	PASS
Band41	20MHz	QPSK	39750	100RB#0	22.80	20.50	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#0	23.78	21.48	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#49	23.67	21.37	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#99	23.71	21.41	33.00	PASS
Band41	20MHz	QPSK	40620	100RB#0	22.82	20.52	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#0	23.65	21.35	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#49	23.59	21.29	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#99	23.56	21.26	33.00	PASS
Band41	20MHz	QPSK	41490	100RB#0	22.73	20.43	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#0	22.82	20.52	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#49	22.76	20.46	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#99	22.62	20.32	33.00	PASS



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Band41	20MHz	16QAM	39750	100RB#0	21.83	19.53	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#0	22.91	20.61	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#49	22.81	20.51	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#99	22.79	20.49	33.00	PASS
Band41	20MHz	16QAM	40620	100RB#0	21.86	19.56	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#0	22.86	20.56	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#49	22.71	20.41	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#99	22.70	20.40	33.00	PASS
Band41	20MHz	16QAM	41490	100RB#0	21.80	19.50	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#0	21.34	19.04	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#49	21.30	19.00	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#99	21.15	18.85	33.00	PASS
Band41	20MHz	64QAM	39750	100RB#0	20.81	18.51	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#0	21.34	19.04	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#49	21.33	19.03	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#99	21.35	19.05	33.00	PASS
Band41	20MHz	64QAM	40620	100RB#0	20.85	18.55	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#0	21.37	19.07	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#49	21.25	18.95	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#99	21.23	18.93	33.00	PASS
Band41	20MHz	64QAM	41490	100RB#0	20.77	18.47	33.00	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	7.24	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	7.10	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	6.74	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	8.14	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	7.94	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	7.64	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	8.60	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	8.52	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	8.24	13	PASS

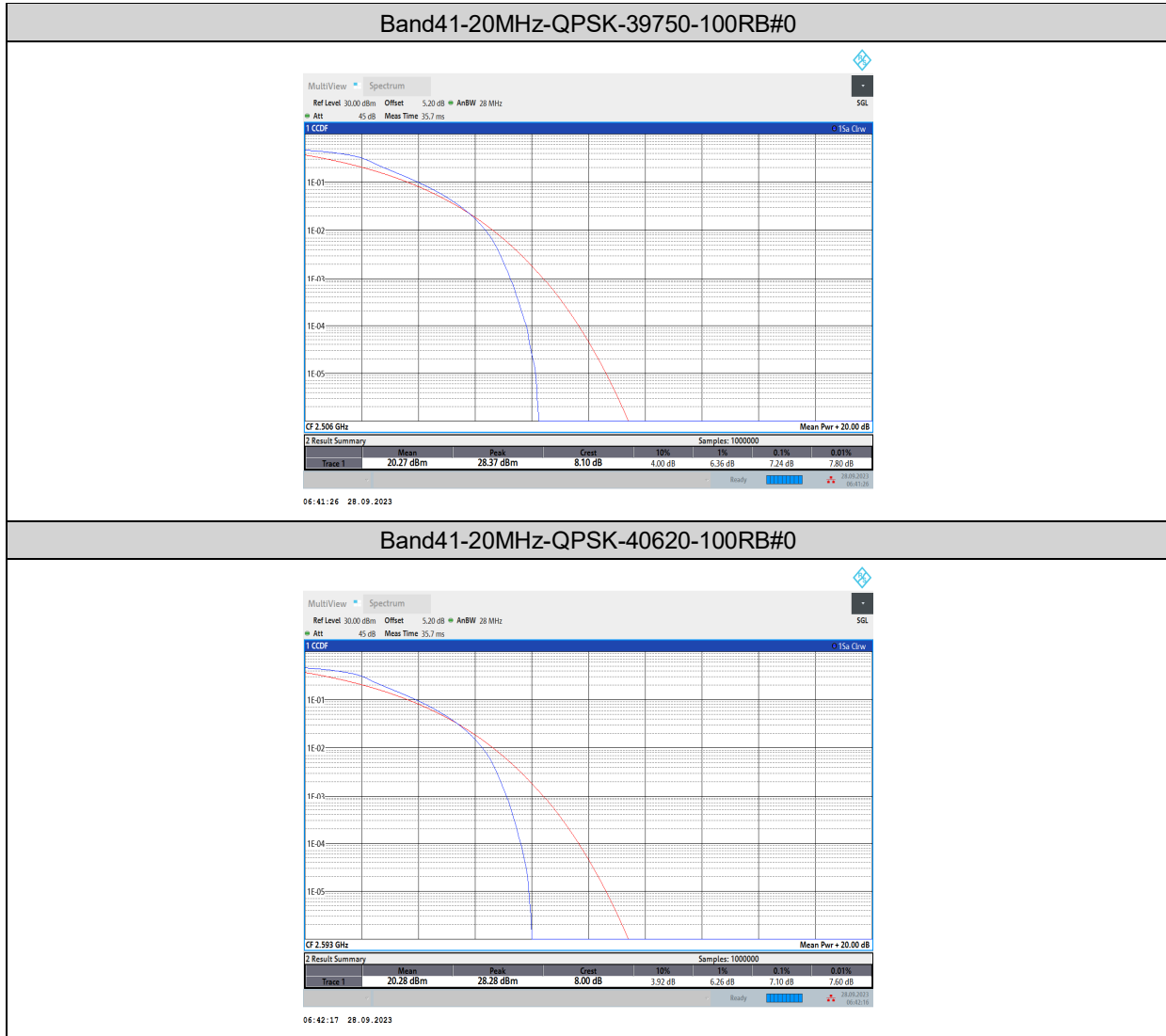


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Test Graphs

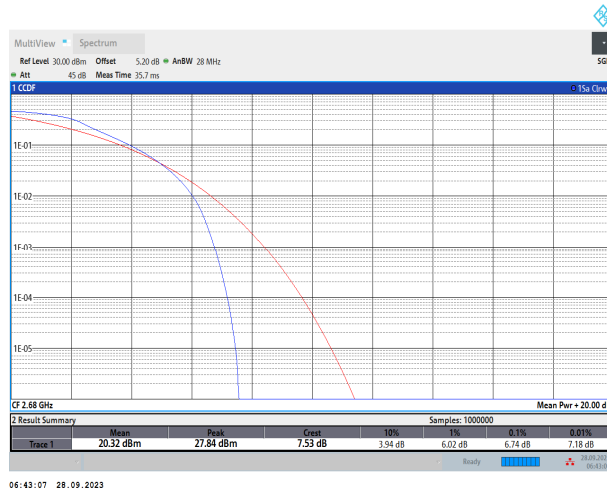


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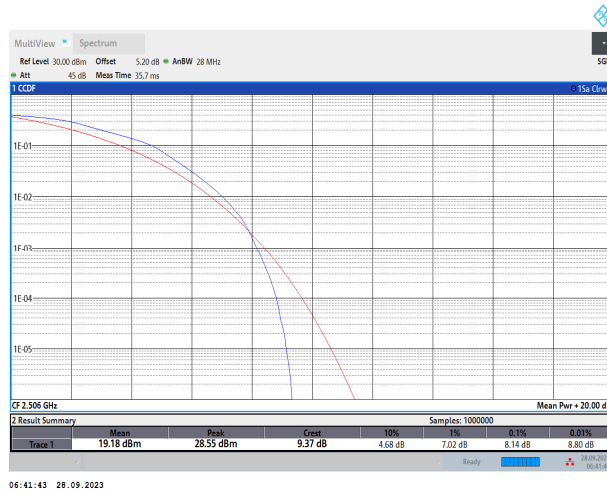
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Band41-20MHz-QPSK-41490-100RB#0



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

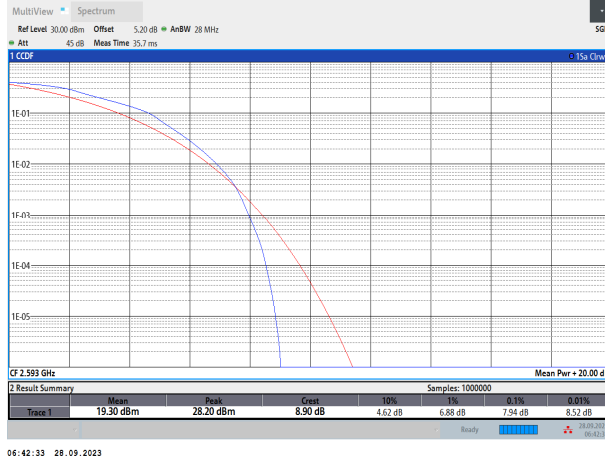


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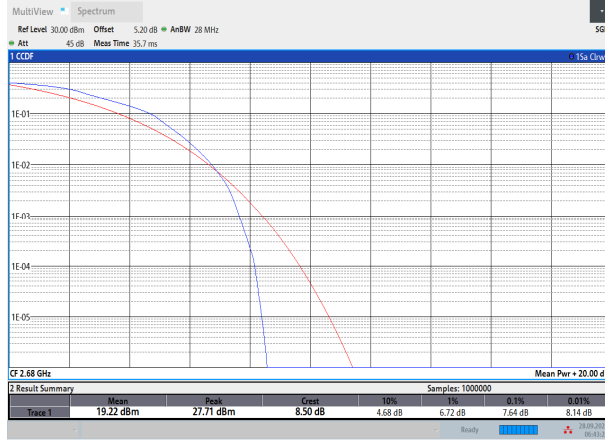
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Band41-20MHz-16QAM-40620-100RB#0



06:42:33 28.09.2023

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



06:43:23 28.09.2023

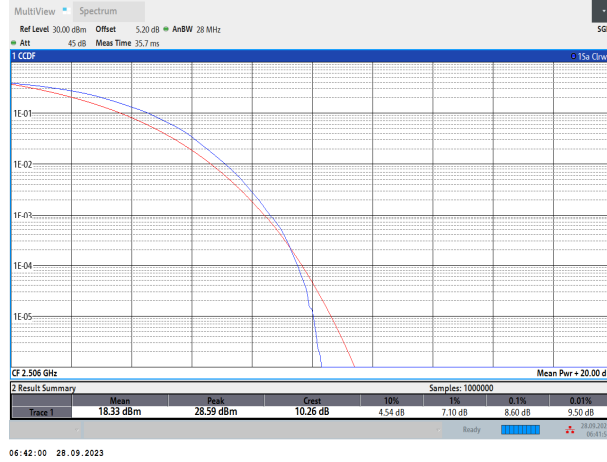


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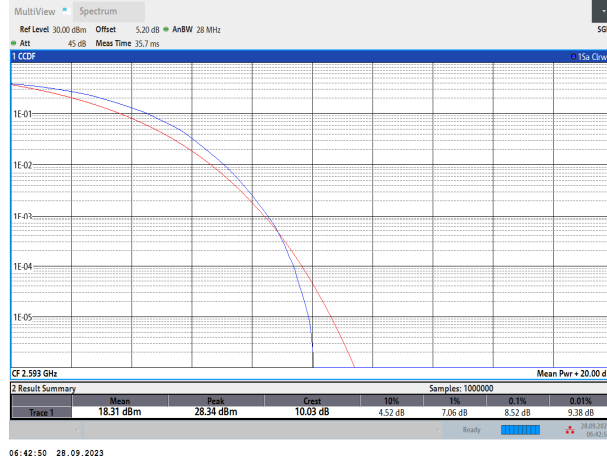
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Band41-20MHz-64QAM-39750-100RB#0



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

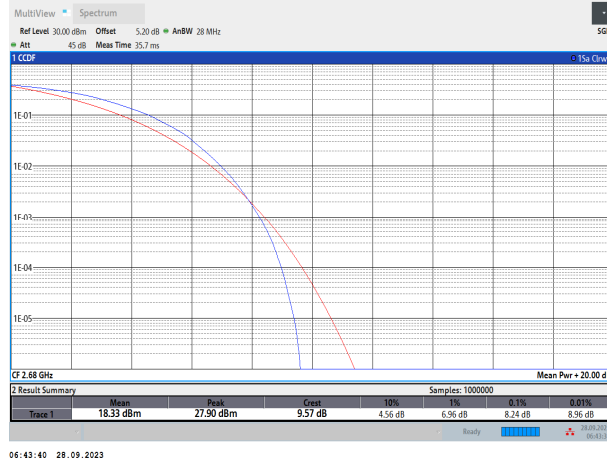


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Band41-20MHz-64QAM-41490-100RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	40620	25RB#0	4.468	4.88	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.477	4.97	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.477	4.88	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.924	9.74	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.928	9.66	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.949	9.70	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.49	15.81	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.459	16.08	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.445	15.00	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.901	19.64	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.885	19.48	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.896	20.12	PASS

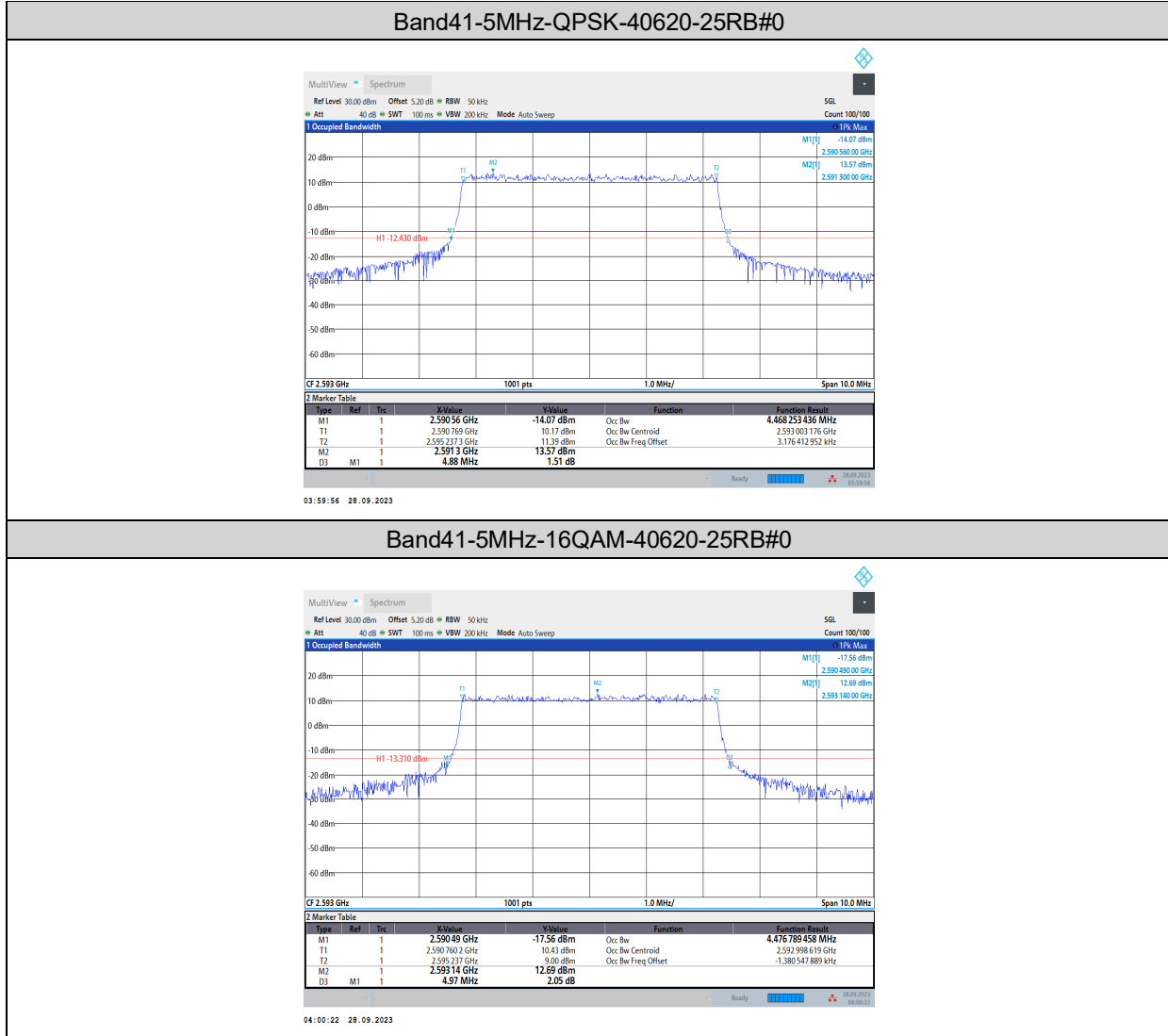


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Test Graphs

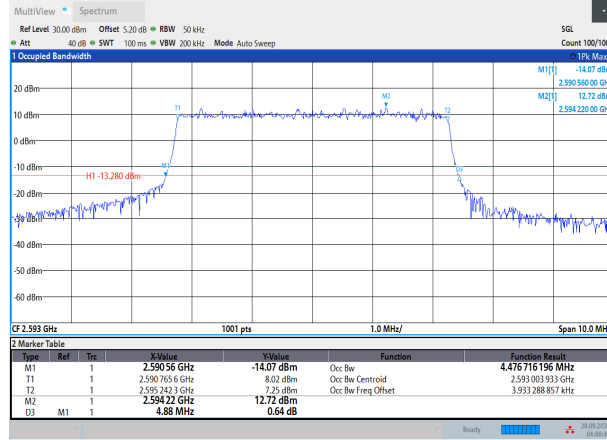


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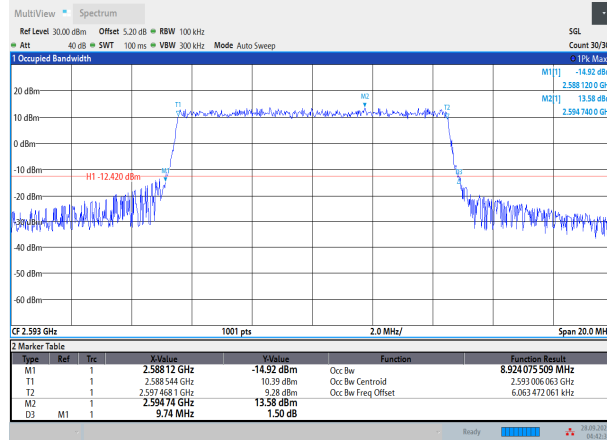
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Band41-5MHz-64QAM-40620-25RB#0



04:00:48 28.09.2023

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



04:42:40 28.09.2023

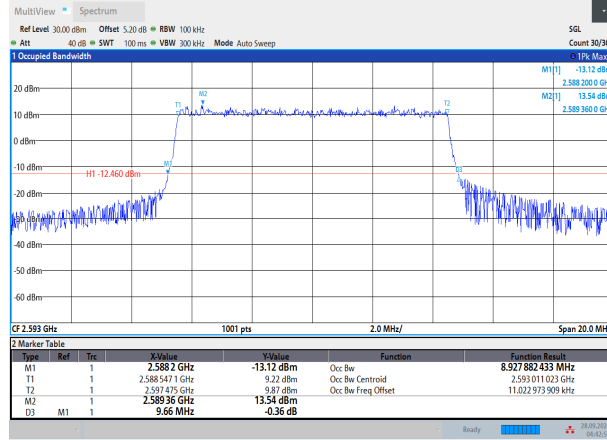


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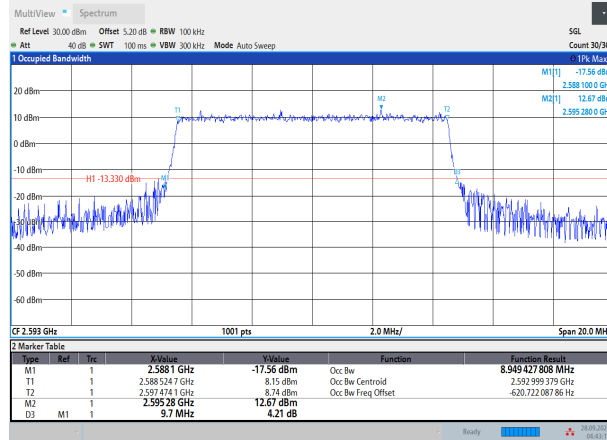
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Band41-10MHz-16QAM-40620-50RB#0



04:43:00 28.09.2023

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



04:43:18 28.09.2023

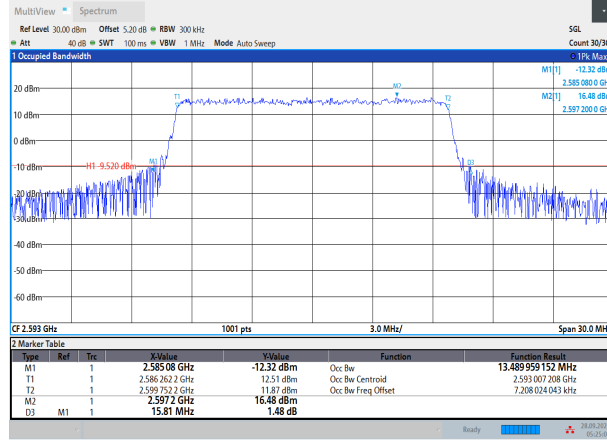


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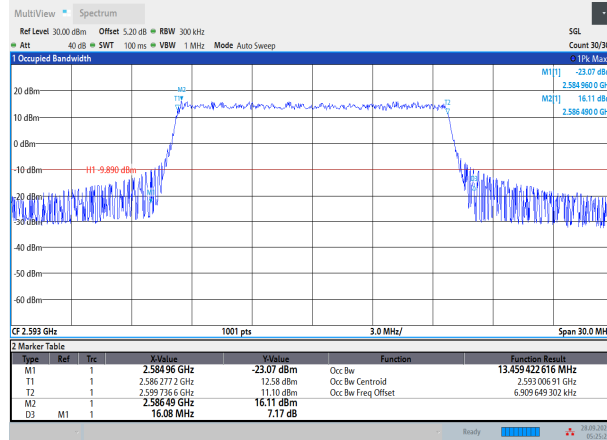
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Band41-15MHz-QPSK-40620-75RB#0



05:25:06 28.09.2023

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



05:25:26 28.09.2023

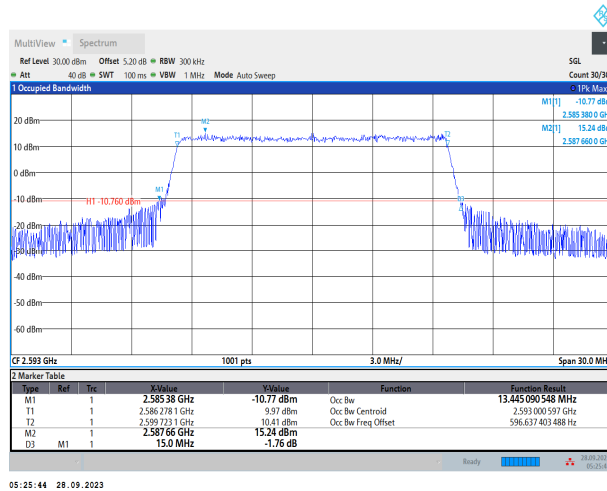


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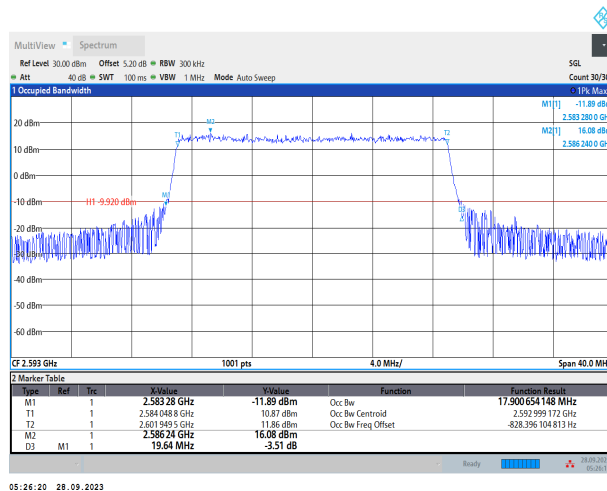
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Band41-15MHz-64QAM-40620-75RB#0



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

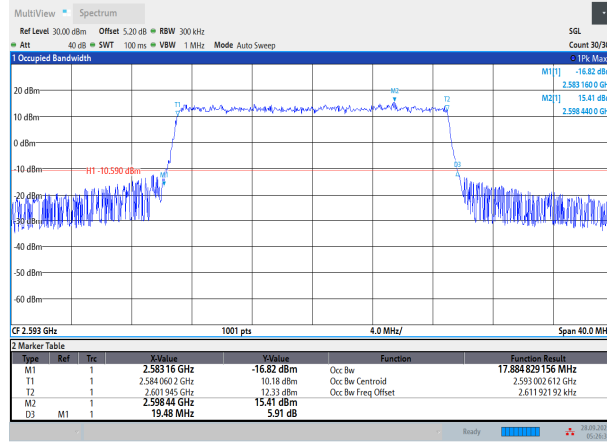


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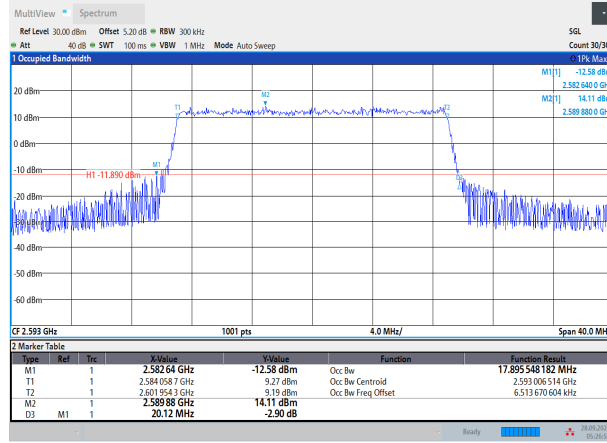
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Band41-20MHz-16QAM-40620-100RB#0



05:26:59 28.09.2023

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



05:26:58 28.09.2023



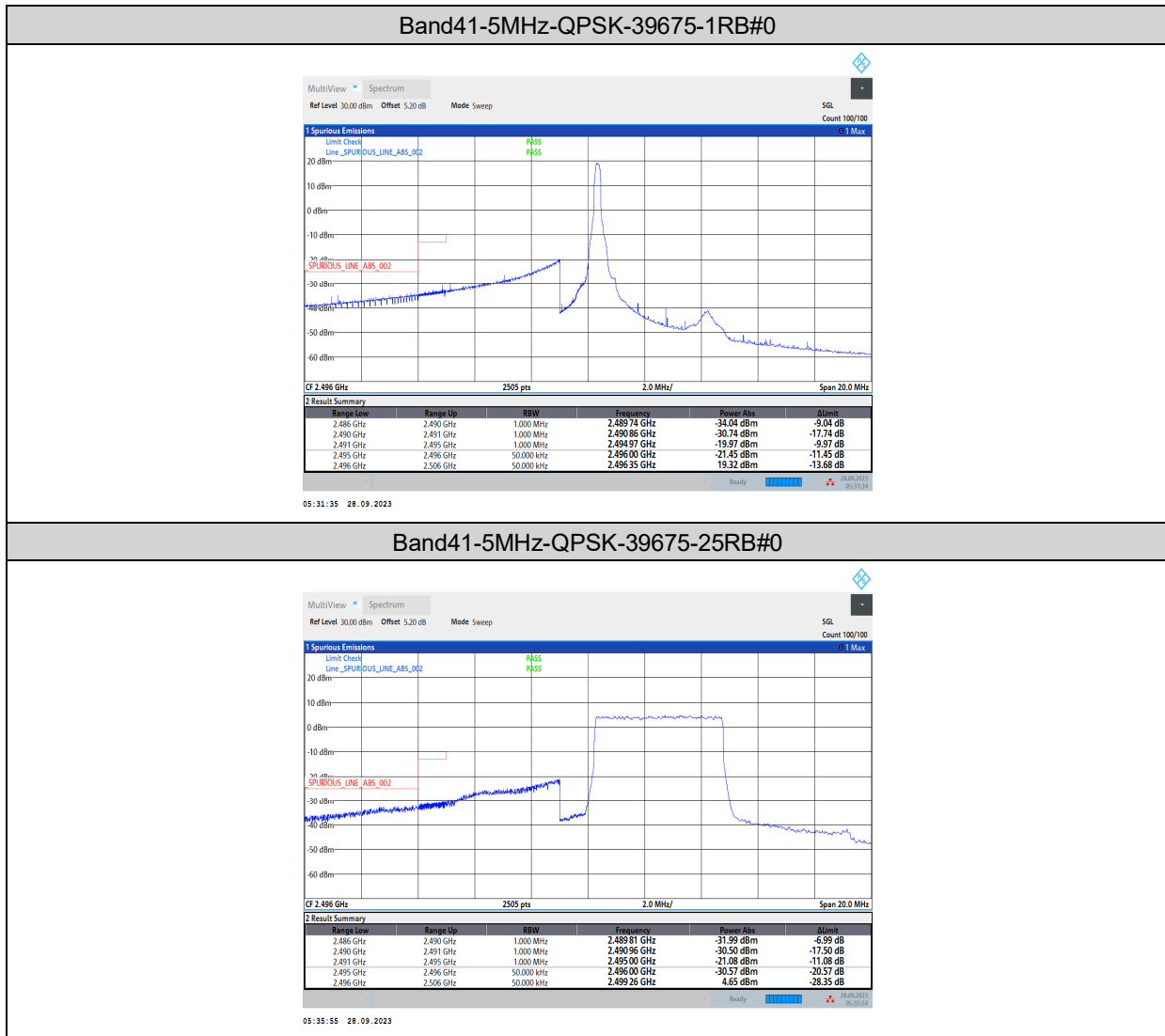
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Band Edge

Test Graphs

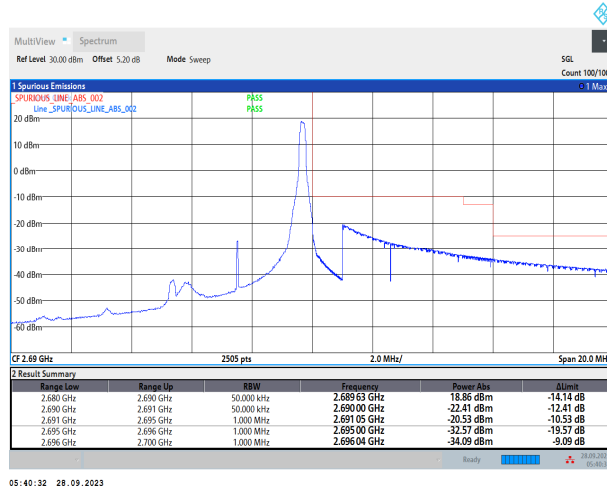


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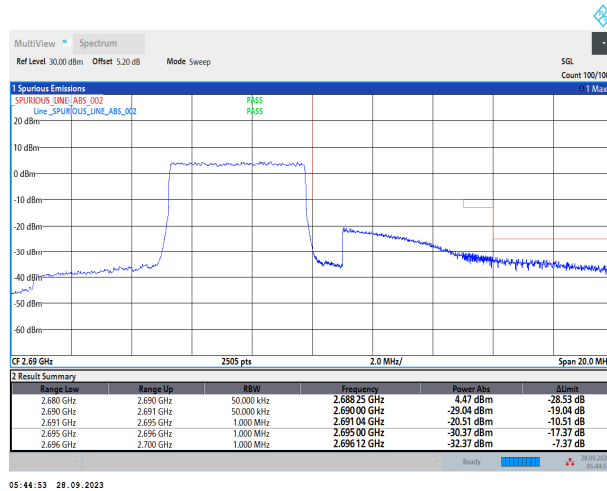
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Band41-5MHz-QPSK-41565-1RB#24



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

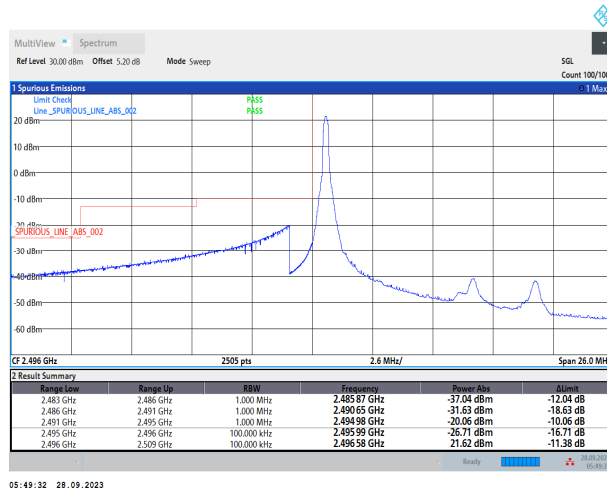


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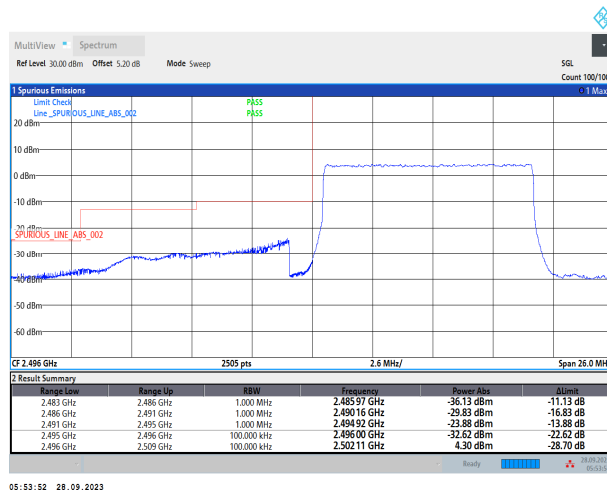
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Band41-10MHz-QPSK-39700-1RB#0



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

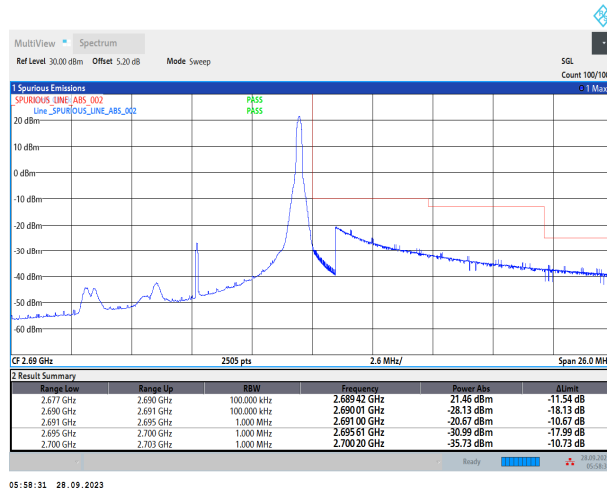


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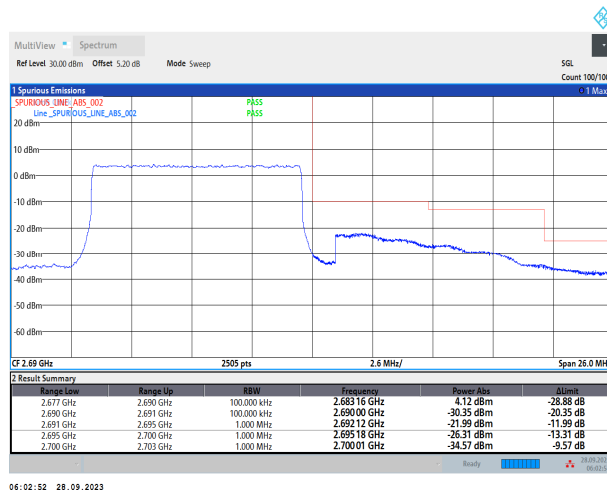
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Band41-10MHz-QPSK-41540-1RB#49



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

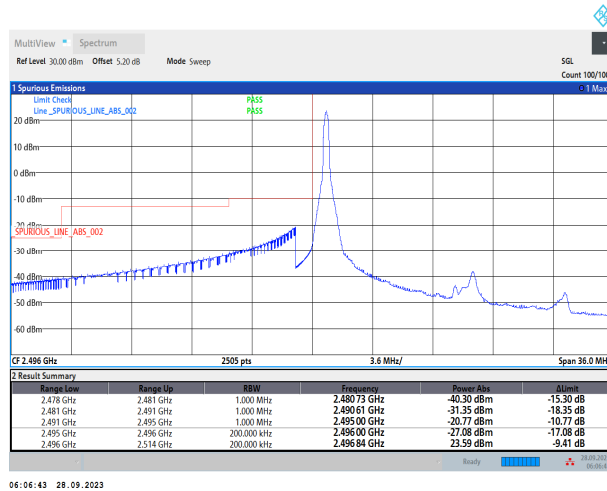


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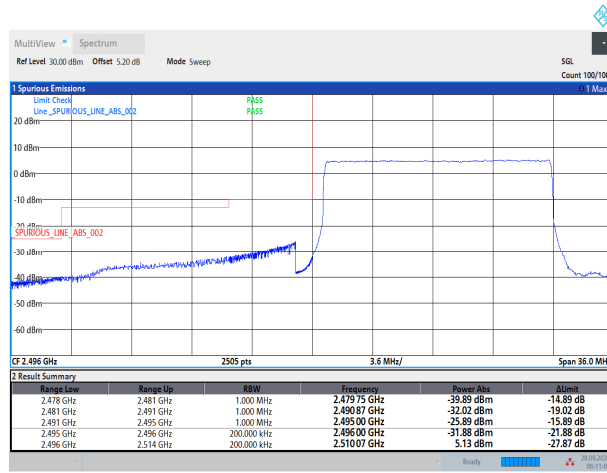
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Band41-15MHz-QPSK-39725-1RB#0



06:06:43 28.09.2023

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



06:11:03 28.09.2023

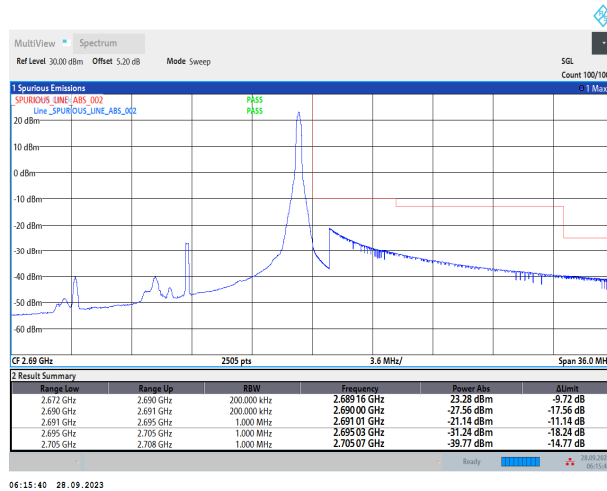


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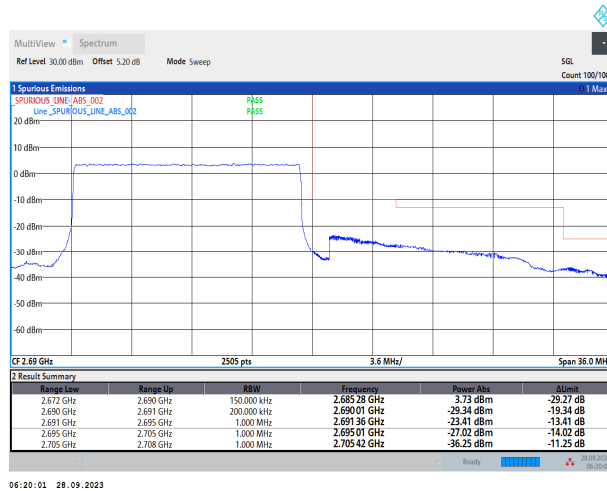
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Band41-15MHz-QPSK-41515-1RB#74



06:15:40 28.09.2023

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



06:20:01 28.09.2023

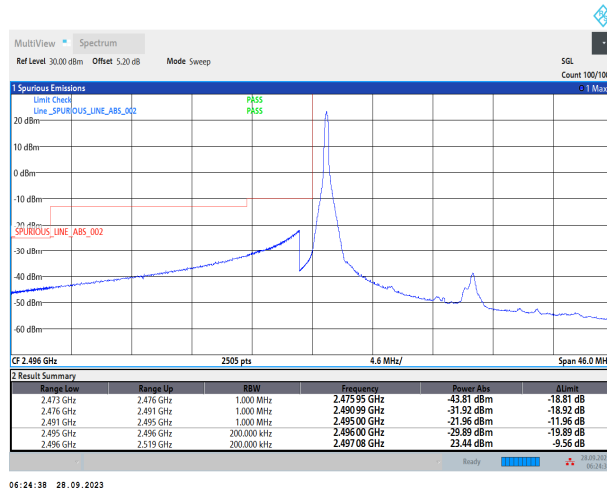


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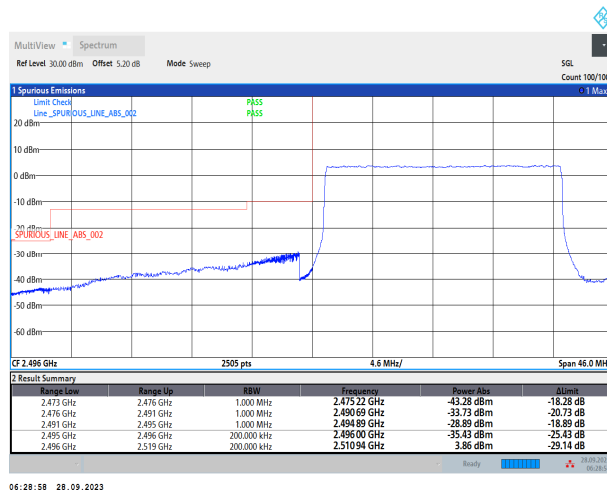
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Band41-20MHz-QPSK-39750-1RB#0



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

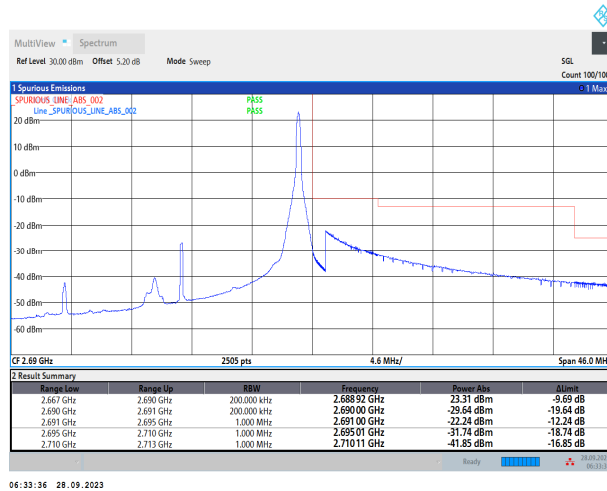


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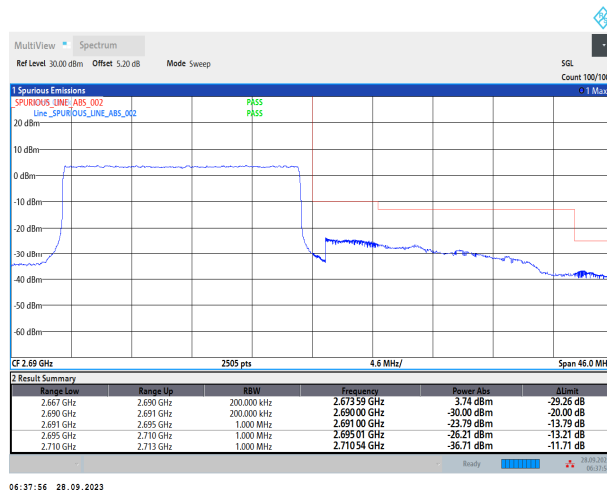
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Band41-20MHz-QPSK-41490-1RB#99



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



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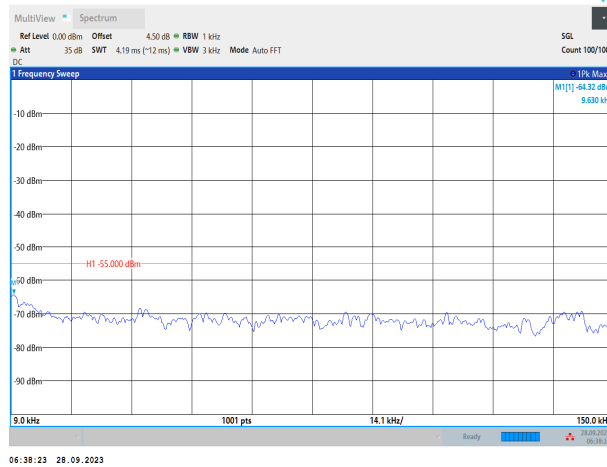
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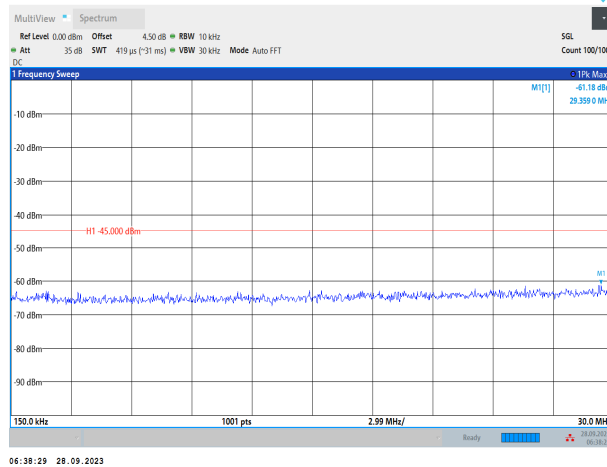
Conducted Spurious Emission

Test Graphs

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



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

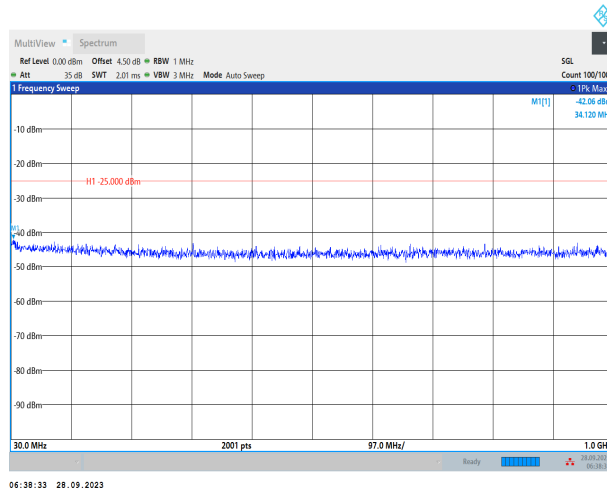


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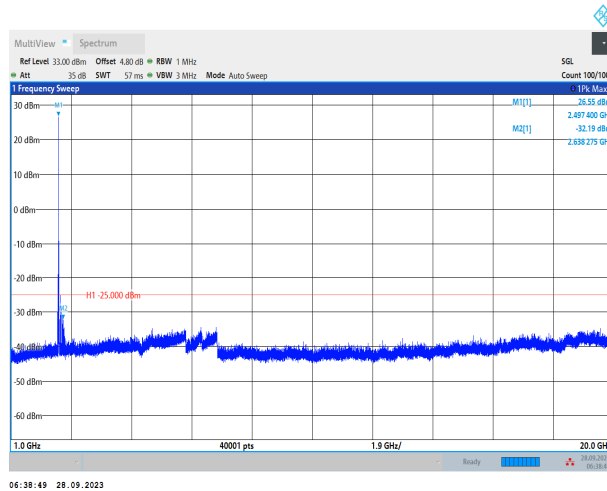
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Band41-20MHz-QPSK-39750-1RB#0-Range3:30~1000MHz



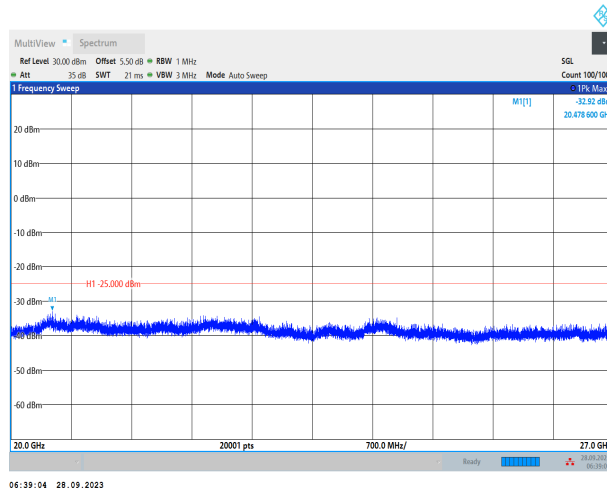
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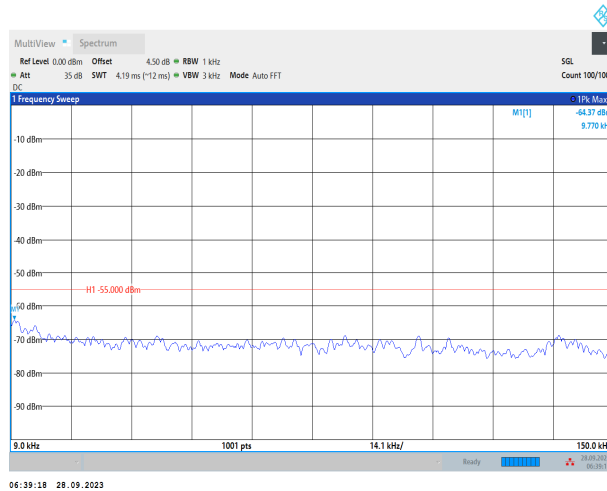
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Band41-20MHz-QPSK-39750-1RB#0-Range5:20000~27000MHz



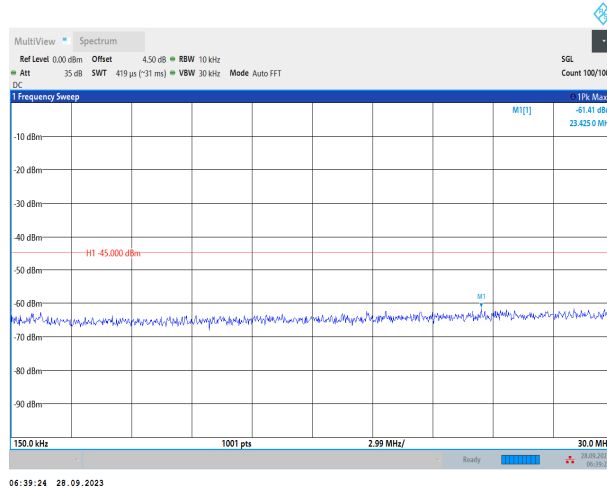
Band41-20MHz-QPSK-40620-1RB#0-Range1:0.009~0.15MHz



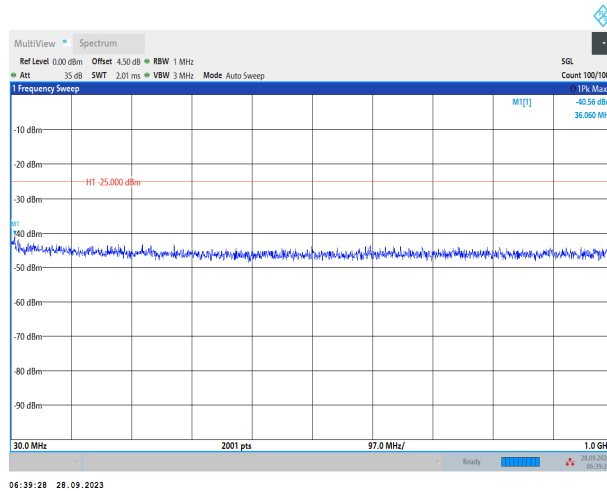
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Band41-20MHz-QPSK-40620-1RB#0-Range2:0.15~30MHz



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

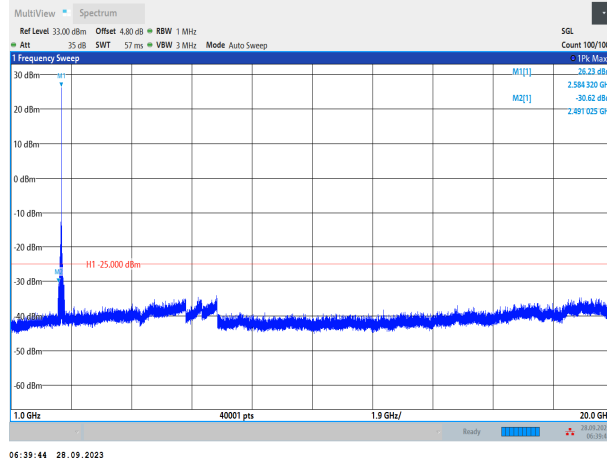


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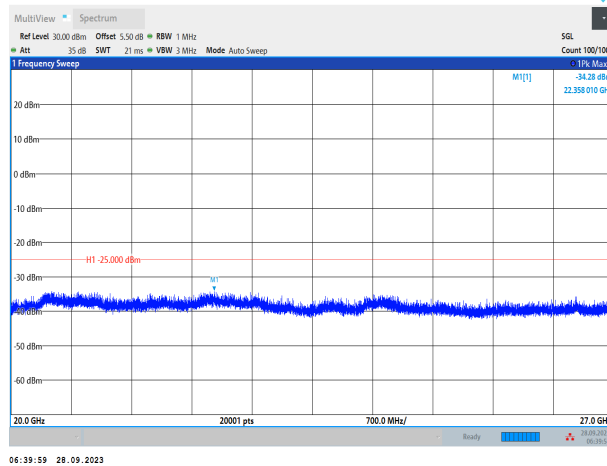
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Band41-20MHz-QPSK-40620-1RB#0-Range4:1000~20000MHz



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

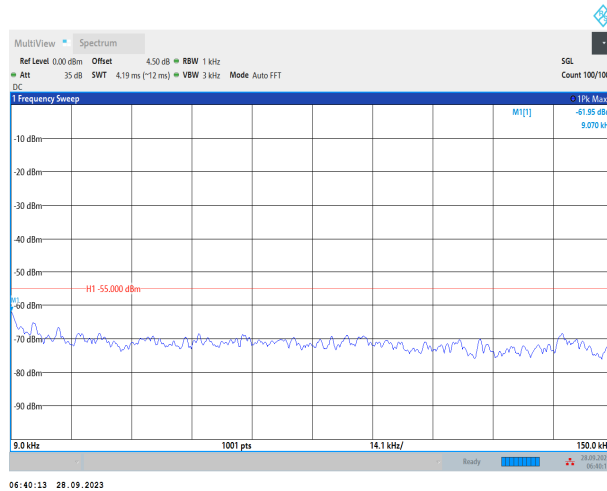


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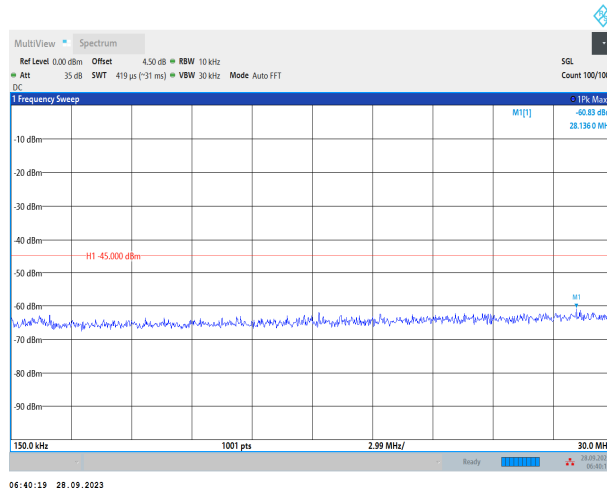
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Band41-20MHz-QPSK-41490-1RB#0-Range1:0.009~0.15MHz



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

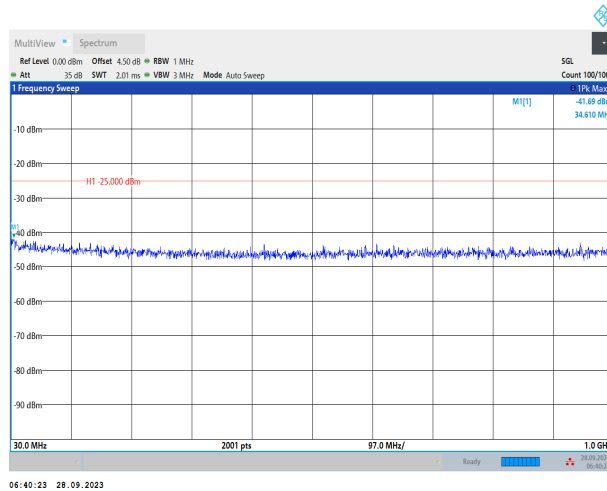


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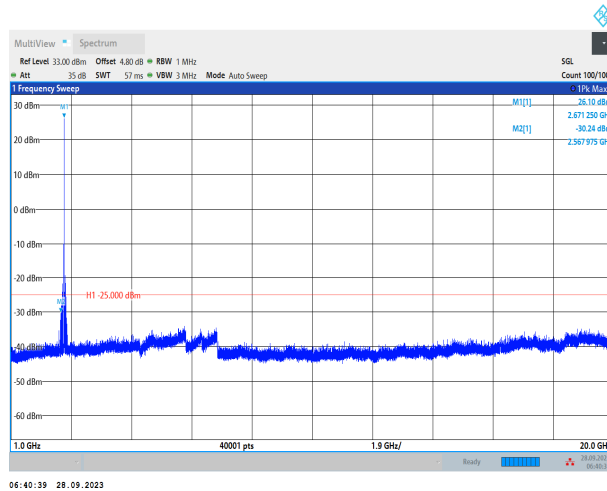
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Band41-20MHz-QPSK-41490-1RB#0-Range3:30~1000MHz



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

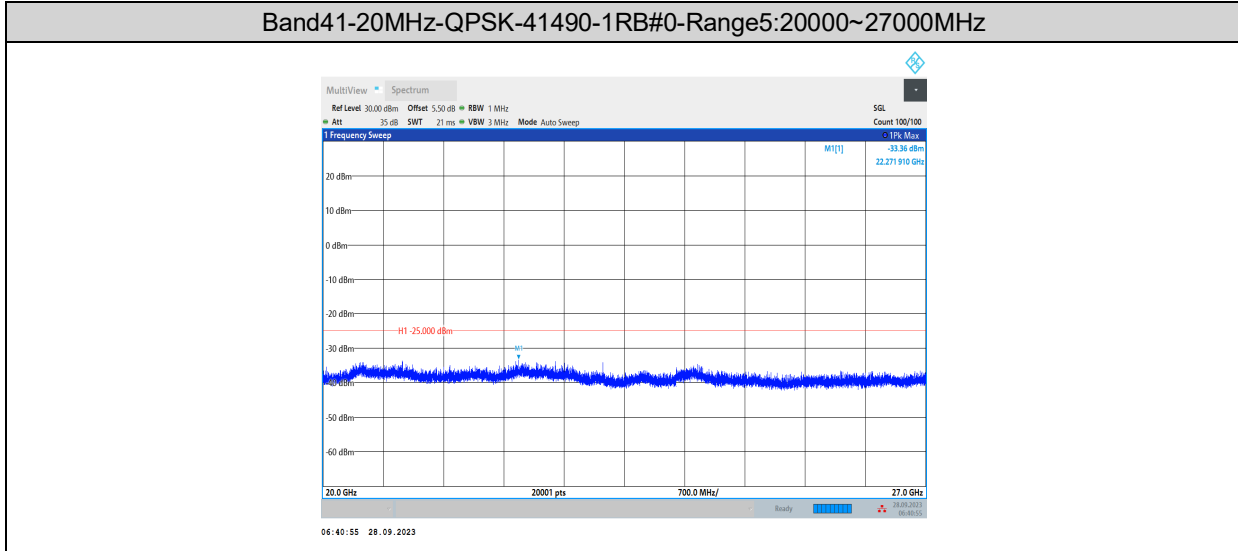


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Band41-20MHz-QPSK-41490-1RB#0-Range5:20000~27000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band41_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4994.1800	40.50	-45.63	31.39	-69.01	-25.00	44.01	Horizontal
2	7491.2700	37.07	-43.16	36.58	-64.78	-25.00	39.78	Horizontal
3	9988.3600	31.19	-39.25	38.18	-65.14	-25.00	40.14	Horizontal
4	12485.4500	24.28	-37.04	38.95	-69.07	-25.00	44.07	Horizontal
5	14982.5400	23.05	-34.64	41.29	-65.56	-25.00	40.56	Horizontal
6	17479.6300	25.51	-35.10	44.46	-60.39	-25.00	35.39	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4994.1800	41.62	-45.63	31.39	-67.89	-25.00	42.89	Vertical
2	7491.2700	37.28	-43.16	36.58	-64.57	-25.00	39.57	Vertical
3	9988.3600	31.01	-39.25	38.18	-65.32	-25.00	40.32	Vertical
4	12485.4500	24.74	-37.04	38.95	-68.61	-25.00	43.61	Vertical
5	14982.5400	23.36	-34.64	41.29	-65.25	-25.00	40.25	Vertical
6	17479.6300	25.94	-35.10	44.46	-59.96	-25.00	34.96	Vertical



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Test Band = LTE Band41_ TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5168.1800	40.38	-45.31	31.80	-68.38	-25.00	43.38	Horizontal
2	7752.2700	37.21	-42.69	36.70	-64.04	-25.00	39.04	Horizontal
3	10336.3600	30.88	-39.06	38.37	-65.07	-25.00	40.07	Horizontal
4	11392	28.88	-37.37	38.74	-65.01	-25.00	40.01	Horizontal
5	12920.4500	26.29	-37.16	39.08	-67.05	-25.00	42.05	Horizontal
6	15504.5400	23.43	-35.35	40.24	-66.94	-25.00	41.94	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5168.1800	39.13	-45.31	31.80	-69.63	-25.00	44.63	Vertical
2	7752.2700	37.22	-42.69	36.70	-64.03	-25.00	39.03	Vertical
3	9461.5	34.80	-40.08	37.18	-63.36	-25.00	38.36	Vertical
4	10336.3600	29.76	-39.06	38.37	-66.19	-25.00	41.19	Vertical
5	12920.4500	25.74	-37.16	39.08	-67.60	-25.00	42.60	Vertical
6	15504.5400	23.22	-35.35	40.24	-67.15	-25.00	42.15	Vertical



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Test Band = LTE Band41_ TM1

Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5255.1800	39.35	-45.17	32.01	-69.07	-25.00	44.07	Horizontal
2	7882.7700	37.34	-42.73	36.75	-63.90	-25.00	38.90	Horizontal
3	9475.5	34.84	-40.13	37.20	-63.35	-25.00	38.35	Horizontal
4	10510.3600	29.33	-38.77	38.46	-66.24	-25.00	41.24	Horizontal
5	13137.9500	24.26	-37.08	39.35	-68.73	-25.00	43.73	Horizontal
6	15765.5400	23.52	-33.24	39.69	-65.29	-25.00	40.29	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5255.1800	40.09	-45.17	32.01	-68.33	-25.00	43.33	Vertical
2	7882.7700	36.72	-42.73	36.75	-64.52	-25.00	39.52	Vertical
3	9633	34.28	-39.59	37.50	-63.07	-25.00	38.07	Vertical
4	10510.3600	28.80	-38.77	38.46	-66.77	-25.00	41.77	Vertical
5	13137.9500	24.38	-37.08	39.35	-68.61	-25.00	43.61	Vertical
6	15765.5400	22.77	-33.24	39.69	-66.04	-25.00	41.04	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) - Pre-amplifier (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	-1.30	-0.000501	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-2.50	-0.000964	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	-3.20	-0.001234	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	0.70	0.000270	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-1.00	-0.000386	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	1.90	0.000733	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-0.30	-0.000116	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-0.30	-0.000116	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	1.30	0.000501	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	0.20	0.000077	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	0.80	0.000309	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	-1.50	-0.000578	PASS

---End of Attachment---



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