

Report No.: SEWM2311000454RG01

Rev.: 01

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# Appendix B.16

## LTE Band 41



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## Effective (Isotropic) Radiated Power Output Data

### Test Result ANT3

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	23.61	22.41	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#12	23.62	22.42	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#24	23.50	22.3	33.00	PASS
Band41	5MHz	QPSK	39675	25RB#0	22.55	21.35	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#0	23.77	22.57	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#12	23.91	22.71	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#24	23.84	22.64	33.00	PASS
Band41	5MHz	QPSK	40620	25RB#0	22.81	21.61	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#0	23.43	22.23	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#12	23.52	22.32	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#24	23.43	22.23	33.00	PASS
Band41	5MHz	QPSK	41565	25RB#0	22.46	21.26	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#0	23.09	21.89	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#12	22.95	21.75	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#24	22.89	21.69	33.00	PASS
Band41	5MHz	16QAM	39675	25RB#0	21.64	20.44	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#0	23.16	21.96	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#12	23.25	22.05	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#24	23.15	21.95	33.00	PASS
Band41	5MHz	16QAM	40620	25RB#0	21.82	20.62	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#0	22.87	21.67	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#12	22.87	21.67	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#24	22.73	21.53	33.00	PASS
Band41	5MHz	16QAM	41565	25RB#0	21.47	20.27	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#0	21.81	20.61	33.00	PASS



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Band41	5MHz	64QAM	39675	1RB#12	21.87	20.67	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#24	21.74	20.54	33.00	PASS
Band41	5MHz	64QAM	39675	25RB#0	20.60	19.4	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#0	22.04	20.84	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#12	22.19	20.99	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#24	22.06	20.86	33.00	PASS
Band41	5MHz	64QAM	40620	25RB#0	20.80	19.6	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#0	21.69	20.49	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#12	21.72	20.52	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#24	21.63	20.43	33.00	PASS
Band41	5MHz	64QAM	41565	25RB#0	20.50	19.3	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#0	23.65	22.45	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#24	23.58	22.38	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#49	23.55	22.35	33.00	PASS
Band41	10MHz	QPSK	39700	50RB#0	22.65	21.45	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#0	23.80	22.6	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#24	23.90	22.7	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#49	23.79	22.59	33.00	PASS
Band41	10MHz	QPSK	40620	50RB#0	22.81	21.61	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#0	23.49	22.29	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#24	23.53	22.33	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#49	23.42	22.22	33.00	PASS
Band41	10MHz	QPSK	41540	50RB#0	22.53	21.33	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#0	23.00	21.8	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#24	22.91	21.71	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#49	22.88	21.68	33.00	PASS
Band41	10MHz	16QAM	39700	50RB#0	21.62	20.42	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#0	23.32	22.12	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#24	23.30	22.1	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#49	23.23	22.03	33.00	PASS
Band41	10MHz	16QAM	40620	50RB#0	21.85	20.65	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#0	22.98	21.78	33.00	PASS



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Band41	10MHz	16QAM	41540	1RB#24	22.91	21.71	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#49	22.84	21.64	33.00	PASS
Band41	10MHz	16QAM	41540	50RB#0	21.54	20.34	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#0	21.90	20.7	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#24	21.85	20.65	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#49	21.80	20.6	33.00	PASS
Band41	10MHz	64QAM	39700	50RB#0	20.63	19.43	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#0	22.03	20.83	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#24	22.13	20.93	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#49	22.17	20.97	33.00	PASS
Band41	10MHz	64QAM	40620	50RB#0	20.82	19.62	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#0	21.77	20.57	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#24	21.75	20.55	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#49	21.81	20.61	33.00	PASS
Band41	10MHz	64QAM	41540	50RB#0	20.56	19.36	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#0	23.43	22.23	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#38	23.42	22.22	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#74	23.41	22.21	33.00	PASS
Band41	15MHz	QPSK	39725	75RB#0	22.55	21.35	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#0	23.63	22.43	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#38	23.66	22.46	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#74	23.72	22.52	33.00	PASS
Band41	15MHz	QPSK	40620	75RB#0	22.74	21.54	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#0	23.34	22.14	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#38	23.33	22.13	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#74	23.30	22.1	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#0	22.78	21.58	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#38	22.71	21.51	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#74	22.84	21.64	33.00	PASS
Band41	15MHz	16QAM	39725	75RB#0	21.55	20.35	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#0	23.03	21.83	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#38	23.33	22.13	33.00	PASS



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Band41	15MHz	16QAM	40620	1RB#74	23.00	21.8	33.00	PASS
Band41	15MHz	16QAM	40620	75RB#0	21.74	20.54	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#0	22.89	21.69	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#38	22.74	21.54	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#0	21.73	20.53	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#38	21.69	20.49	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#74	21.67	20.47	33.00	PASS
Band41	15MHz	64QAM	39725	75RB#0	20.56	19.36	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#0	22.00	20.8	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#38	21.98	20.78	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#74	21.96	20.76	33.00	PASS
Band41	15MHz	64QAM	40620	75RB#0	20.77	19.57	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#0	21.68	20.48	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#38	21.62	20.42	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#0	23.49	22.29	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#49	23.43	22.23	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#99	23.43	22.23	33.00	PASS
Band41	20MHz	QPSK	39750	100RB#0	22.58	21.38	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#0	23.68	22.48	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#49	23.68	22.48	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#99	23.72	22.52	33.00	PASS
Band41	20MHz	QPSK	40620	100RB#0	22.74	21.54	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#0	23.39	22.19	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#49	23.32	22.12	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#99	23.29	22.09	33.00	PASS
Band41	20MHz	QPSK	41490	100RB#0	22.47	21.27	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#0	22.71	21.51	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#49	22.88	21.68	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#99	22.82	21.62	33.00	PASS
Band41	20MHz	16QAM	39750	100RB#0	21.57	20.37	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#0	23.09	21.89	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#49	23.18	21.98	33.00	PASS



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Band41	20MHz	16QAM	40620	100RB#0	21.77	20.57	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#0	22.72	21.52	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#49	22.70	21.5	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#99	22.69	21.49	33.00	PASS
Band41	20MHz	16QAM	41490	100RB#0	21.47	20.27	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#0	21.66	20.46	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#49	21.72	20.52	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#99	21.77	20.57	33.00	PASS
Band41	20MHz	64QAM	39750	100RB#0	20.58	19.38	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#0	21.96	20.76	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#49	22.10	20.9	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#99	22.08	20.88	33.00	PASS
Band41	20MHz	64QAM	40620	100RB#0	20.79	19.59	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#0	21.64	20.44	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#49	21.60	20.4	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#99	21.58	20.38	33.00	PASS
Band41	20MHz	64QAM	41490	100RB#0	20.46	19.26	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	8.98	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	9.02	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.92	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.42	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.66	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.64	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	10.10	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	9.94	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	10.08	13	PASS



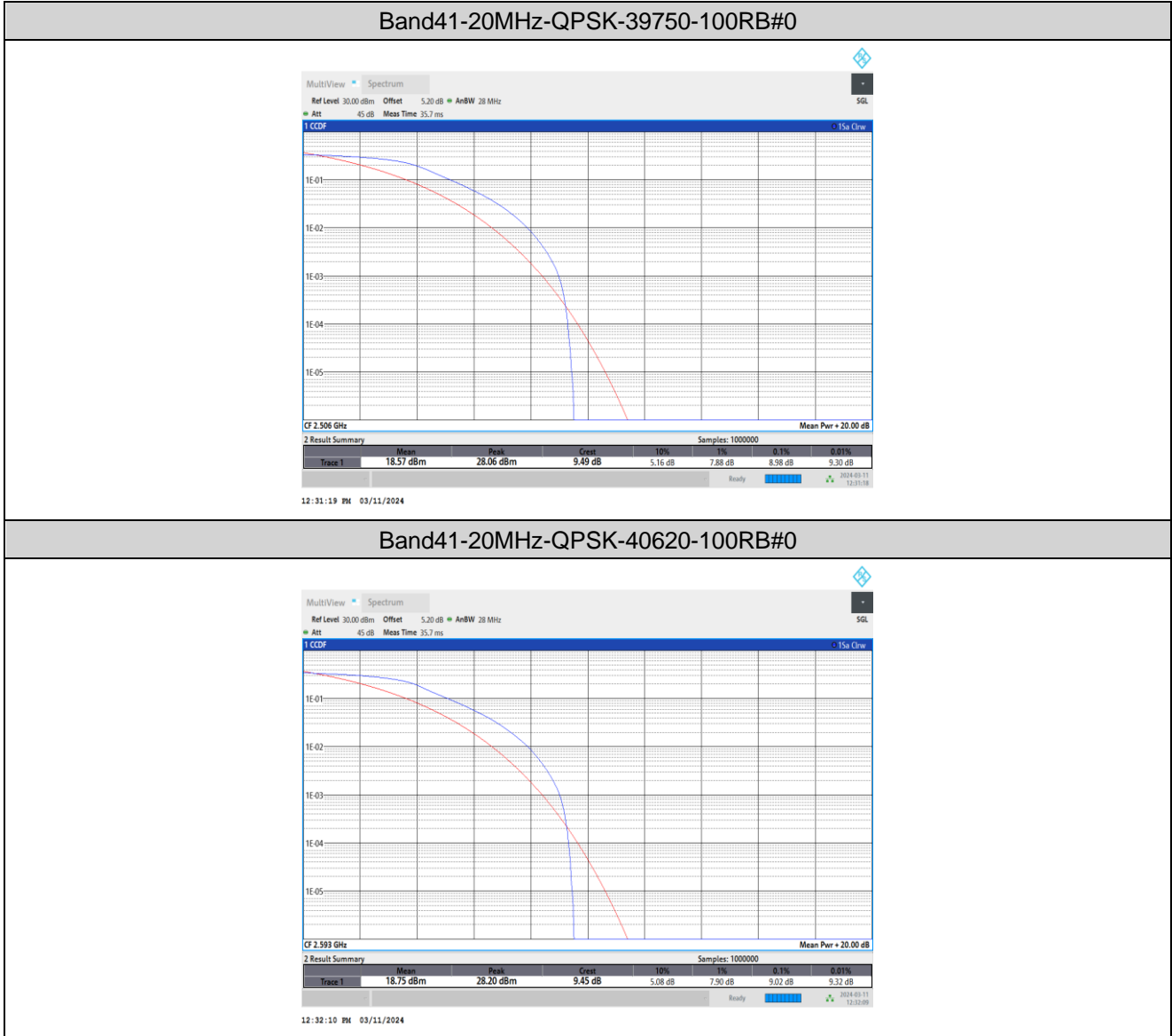
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Test Graphs



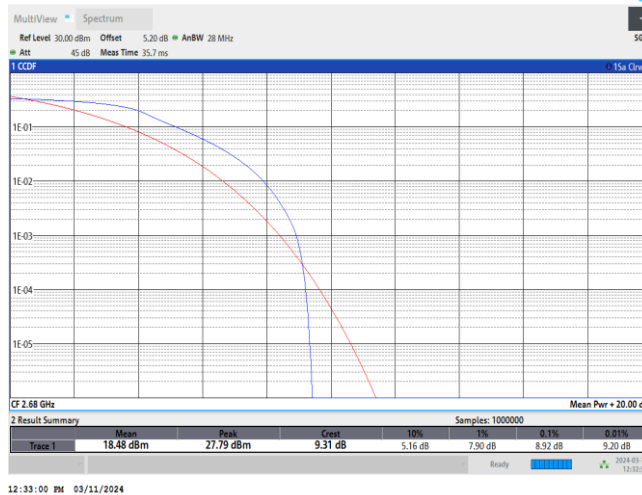
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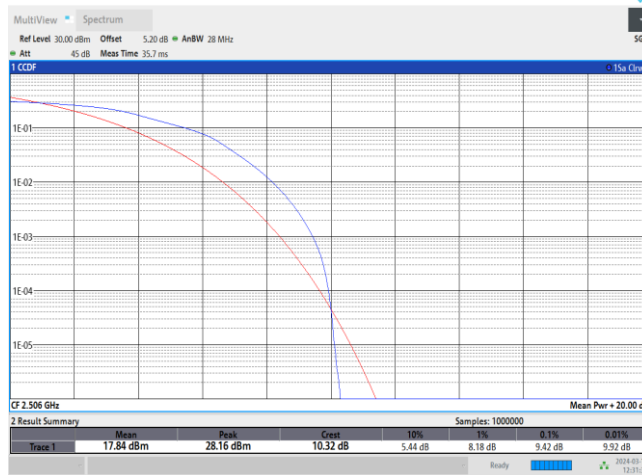


Band41-20MHz-QPSK-41490-100RB#0



12:33:00 PM 03/11/2024

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



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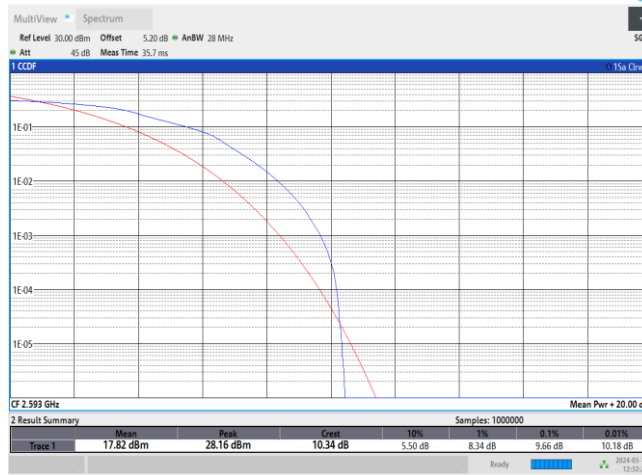


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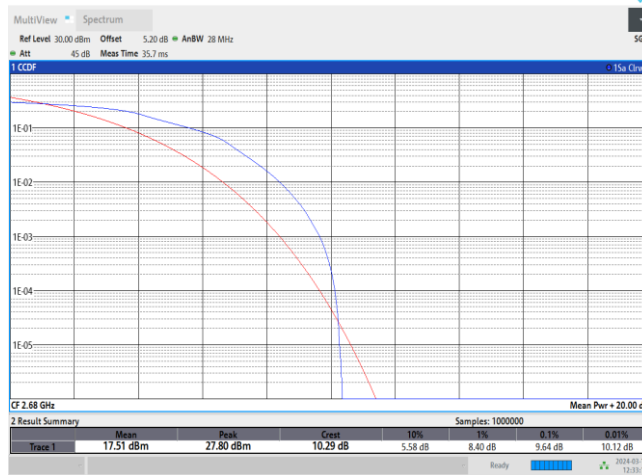
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Band41-20MHz-16QAM-40620-100RB#0



12:32:26 PM 03/11/2024

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



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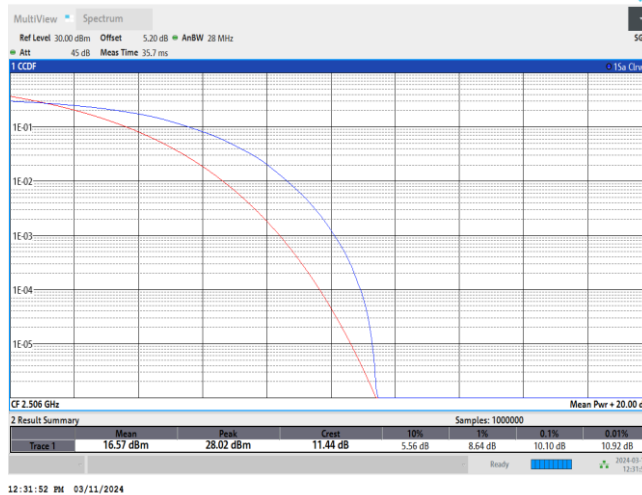


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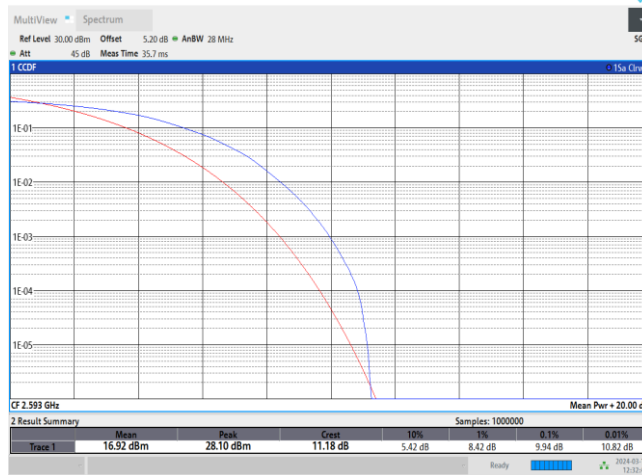
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Band41-20MHz-64QAM-39750-100RB#0



12:31:52 PM 03/11/2024

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



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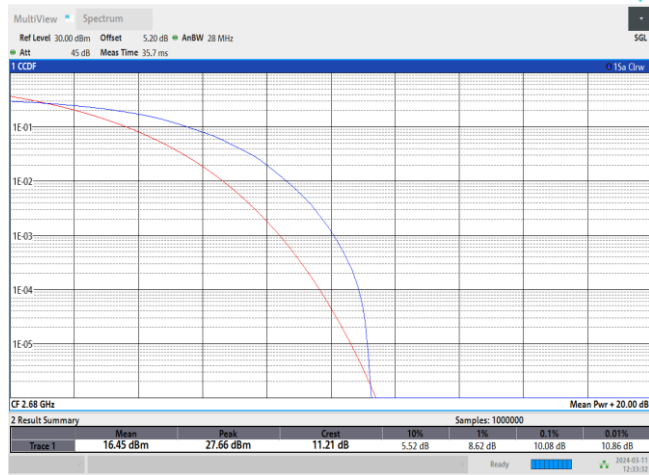


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Band41-20MHz-64QAM-41490-100RB#0



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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	4.479	5.02	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.477	5.02	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.475	5.00	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.961	9.90	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.952	9.96	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.955	9.96	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.494	14.97	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.485	15.03	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.48	15.12	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.931	19.72	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.929	19.64	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.92	19.60	PASS



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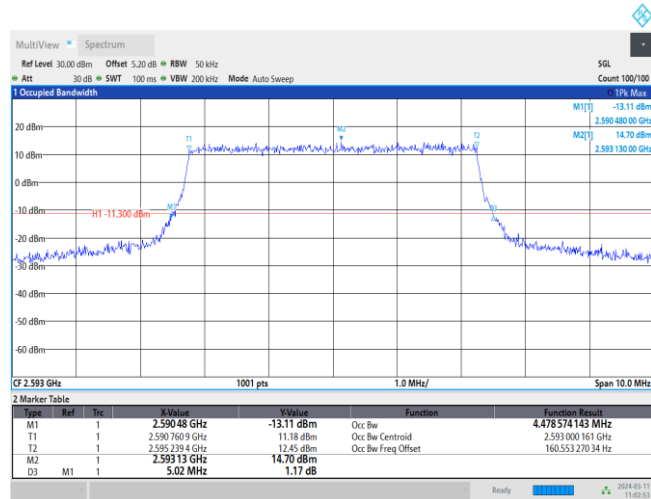
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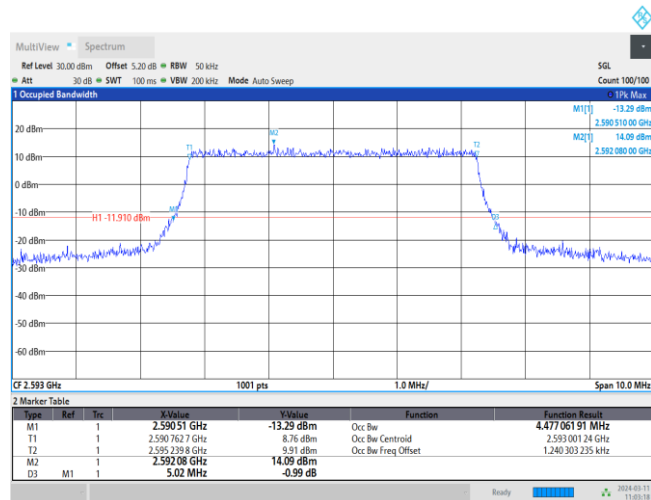
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Test Graphs

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



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

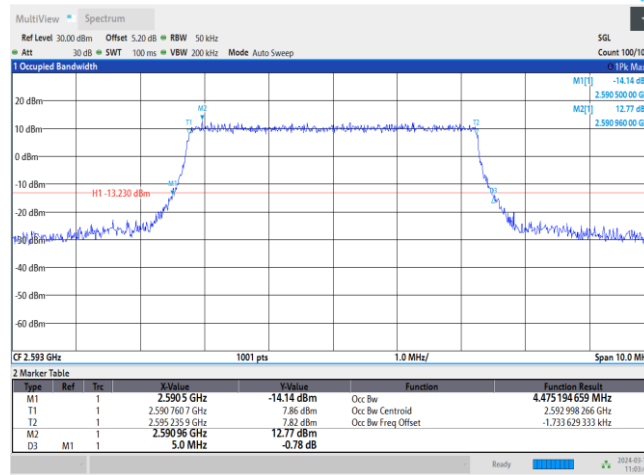


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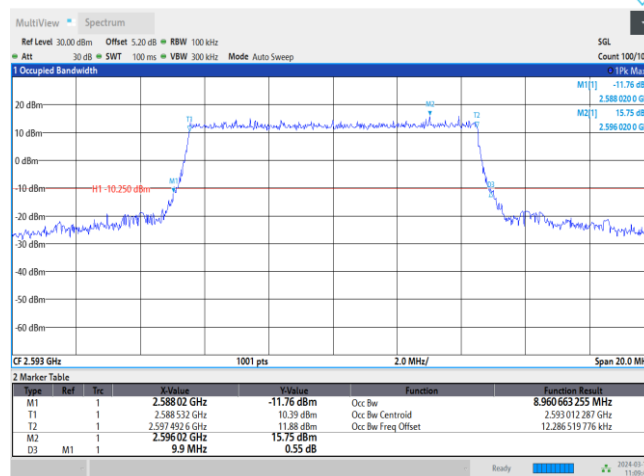
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11:03:45 AM 03/11/2024

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



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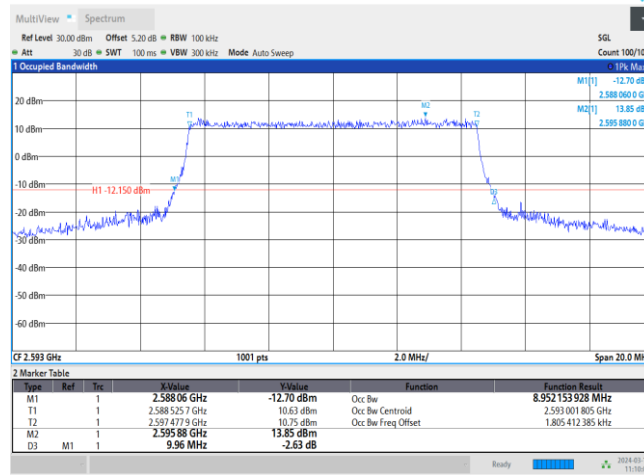


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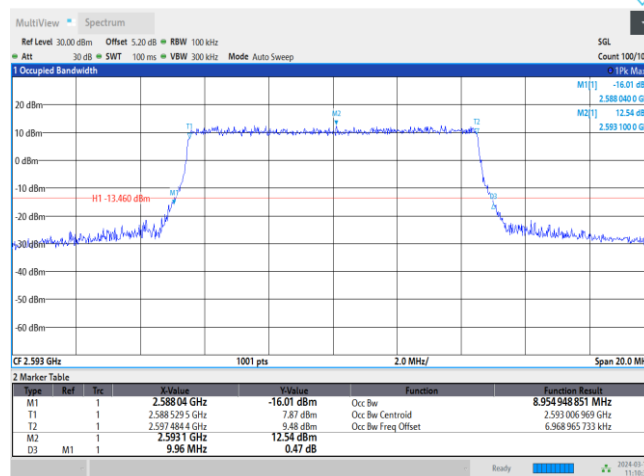
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11:10:10 AM 03/11/2024

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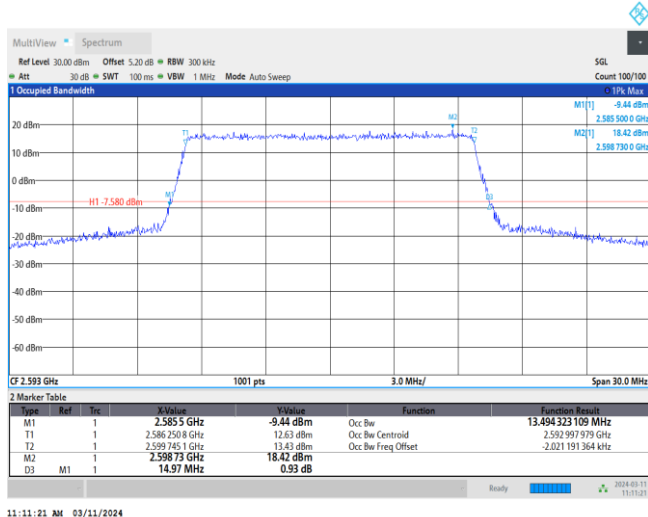
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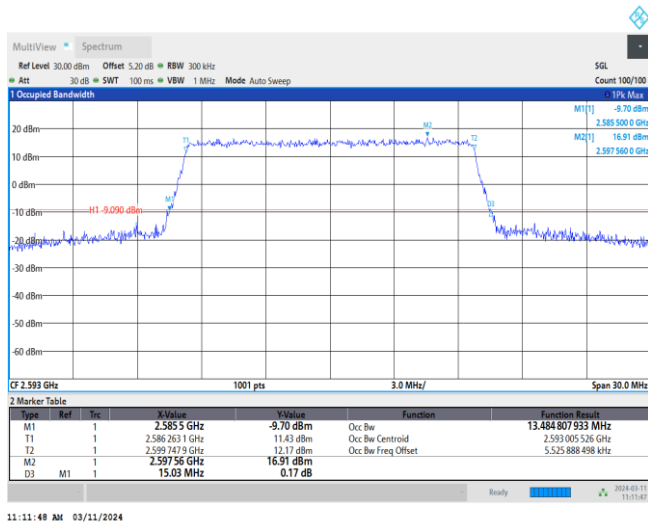
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Band41-15MHz-QPSK-40620-75RB#0



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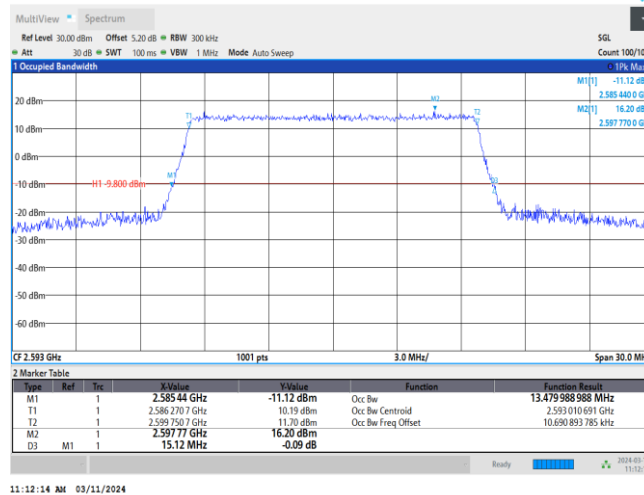


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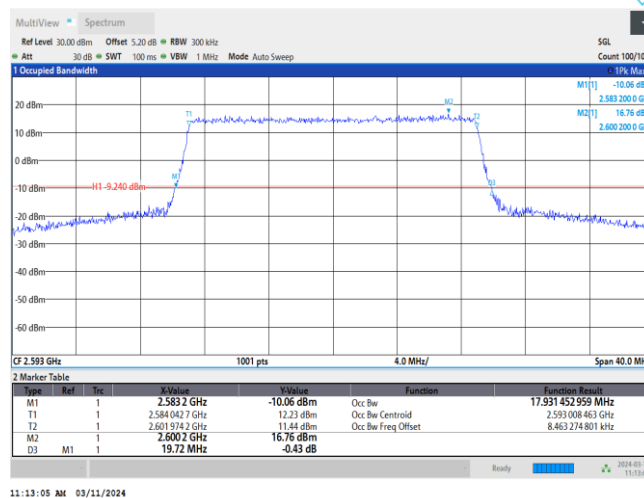
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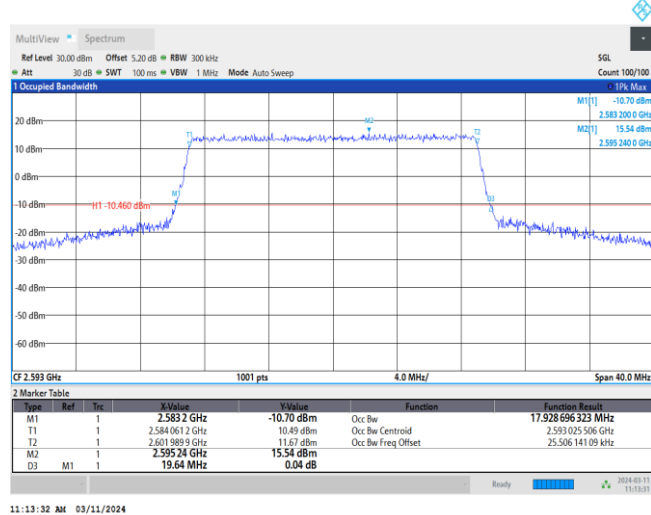


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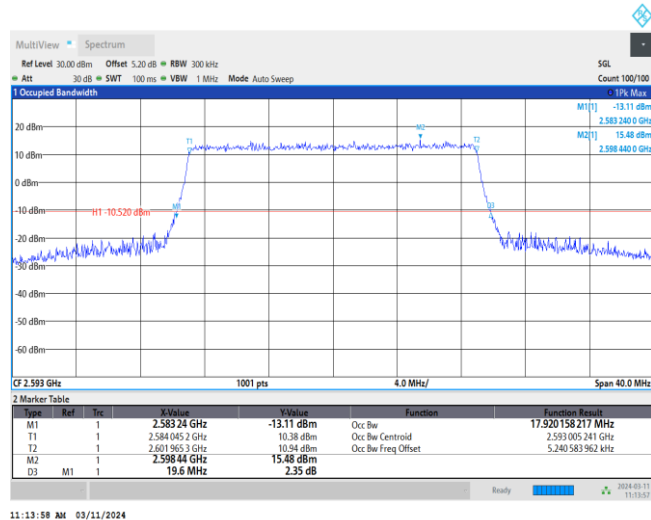
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Band41-20MHz-16QAM-40620-100RB#0



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



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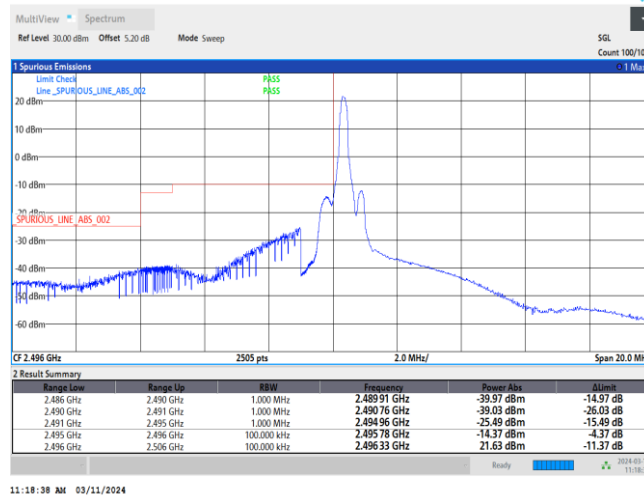
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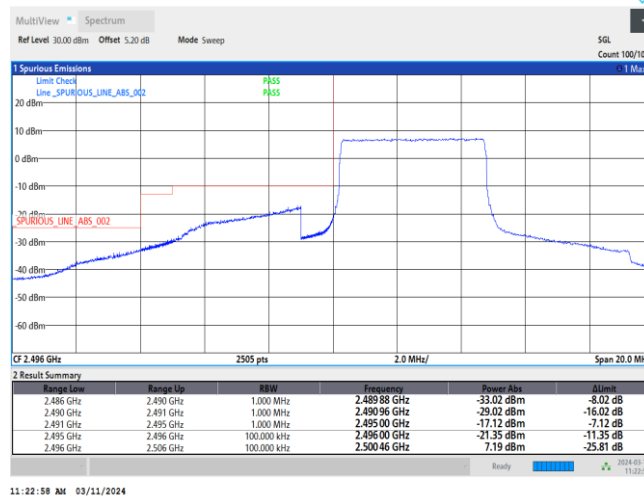
## Band Edge

## Test Graphs

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



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



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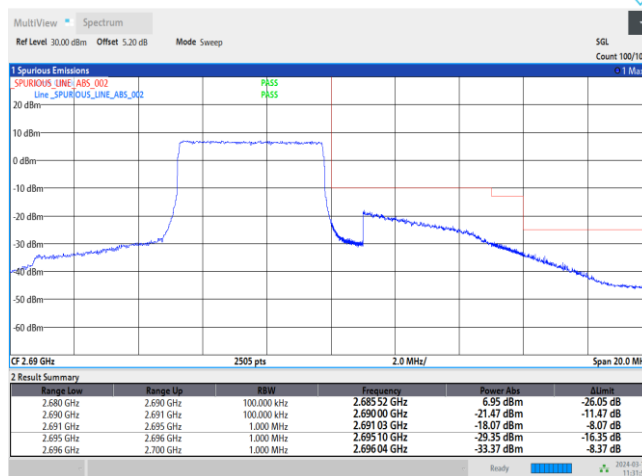


Band41-5MHz-QPSK-41565-1RB#24



11:27:37 AM 03/11/2024

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



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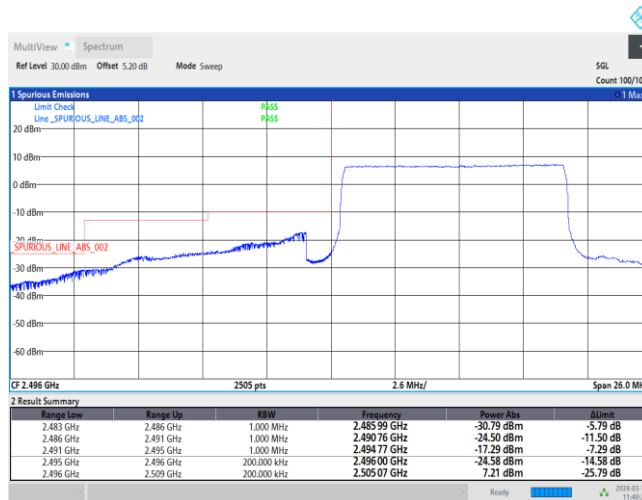
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Band41-10MHz-QPSK-39700-1RB#0



11:36:09 AM 03/11/2024

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



11:40:29 AM 03/11/2024

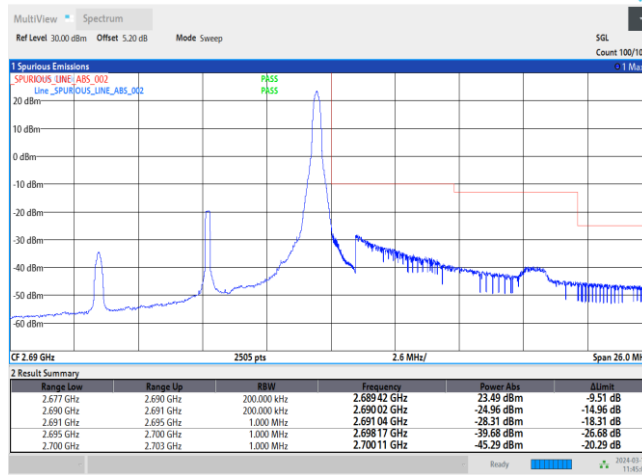


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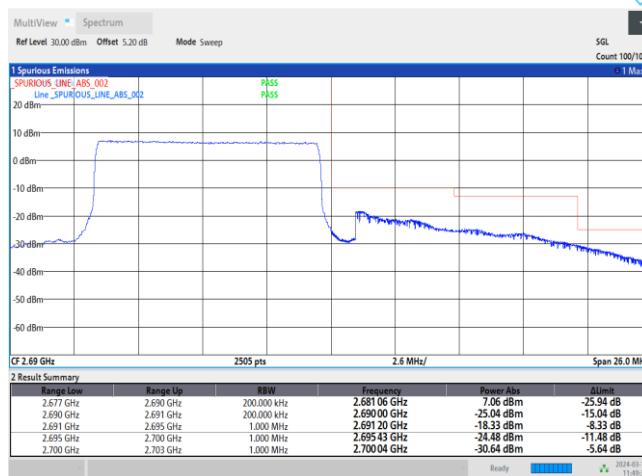
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Band41-10MHz-QPSK-41540-1RB#49



11:45:08 AM 03/11/2024

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



11:49:34 AM 03/11/2024

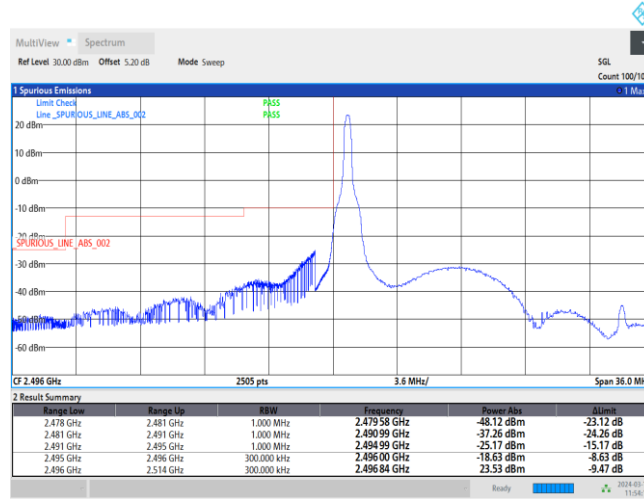


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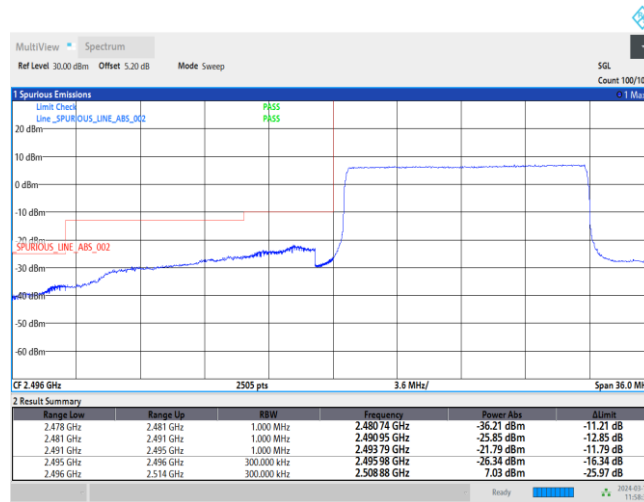
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Band41-15MHz-QPSK-39725-1RB#0



11:54:12 AM 03/11/2024

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



11:58:32 AM 03/11/2024

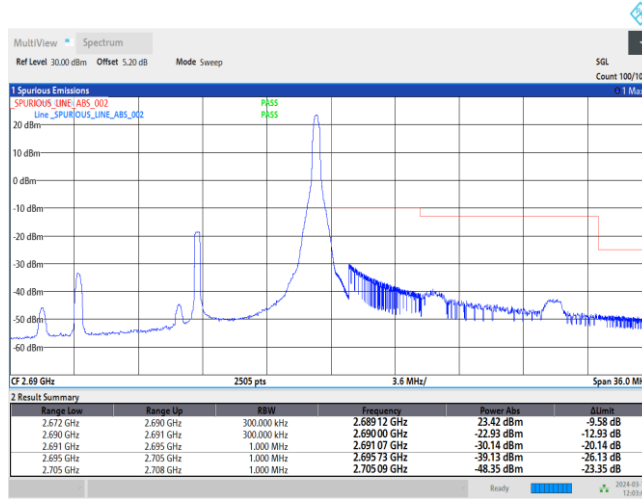


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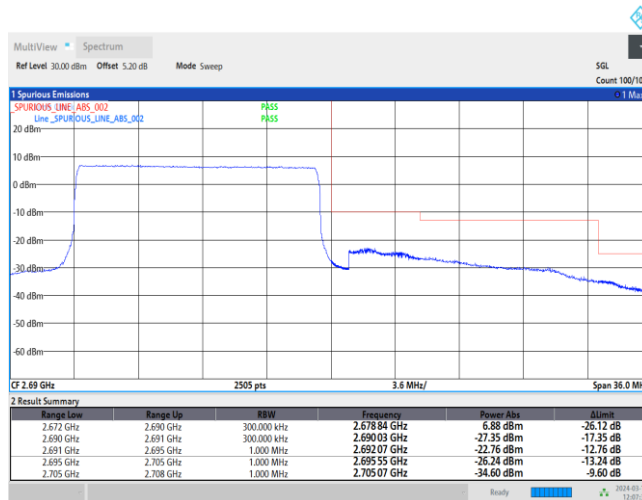
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Band41-15MHz-QPSK-41515-1RB#74



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



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



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



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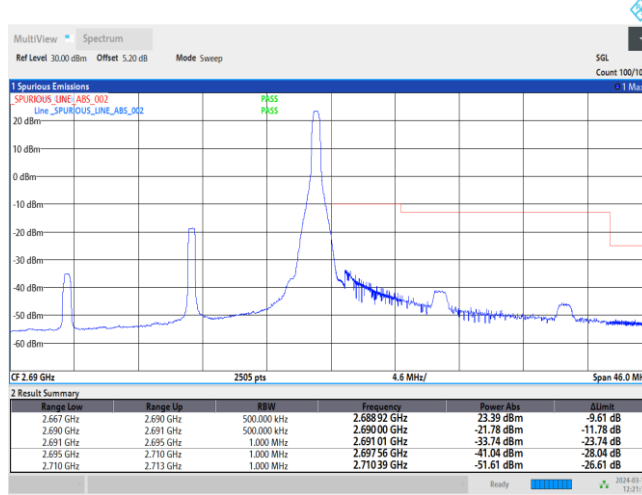


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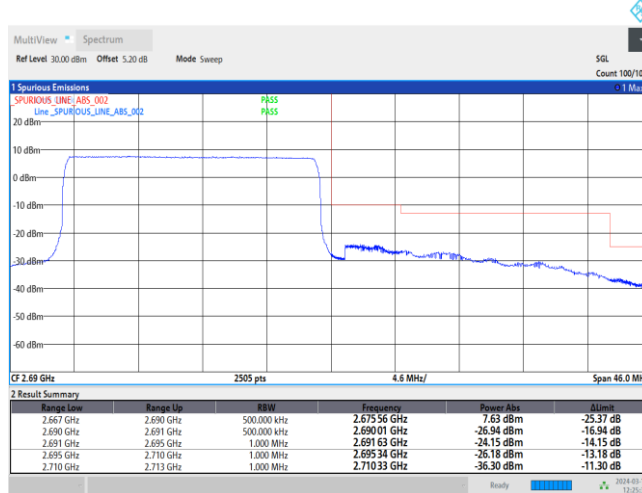
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Band41-20MHz-QPSK-41490-1RB#99



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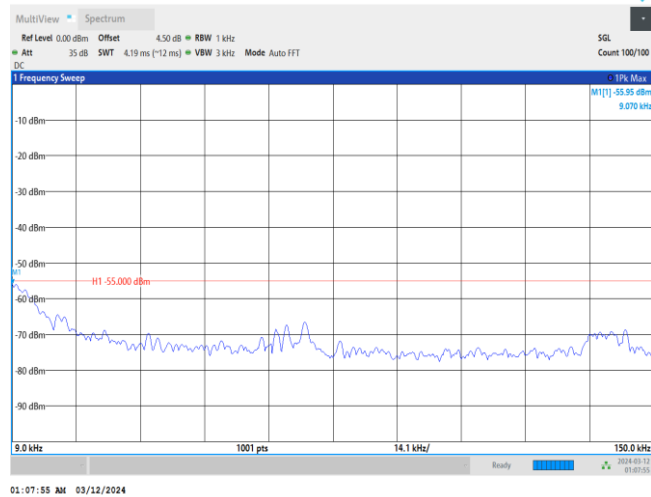
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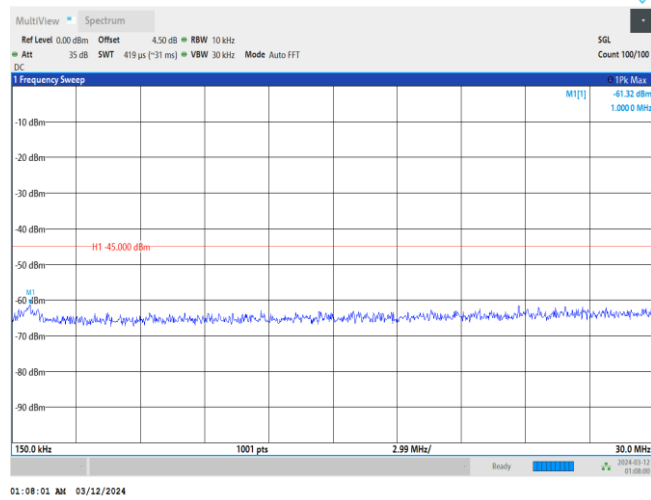
## Conducted Spurious Emission

### Test Graphs

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



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

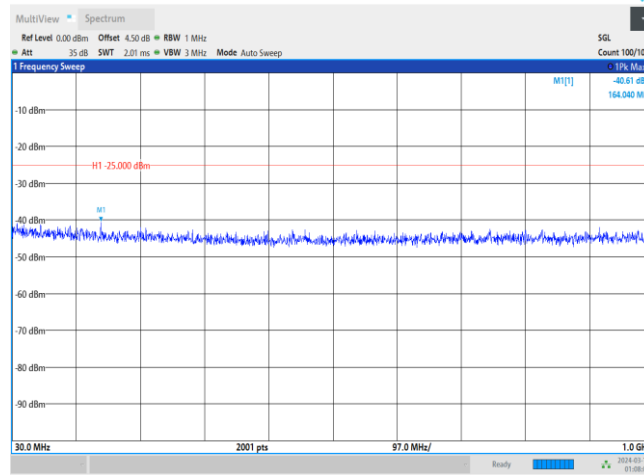


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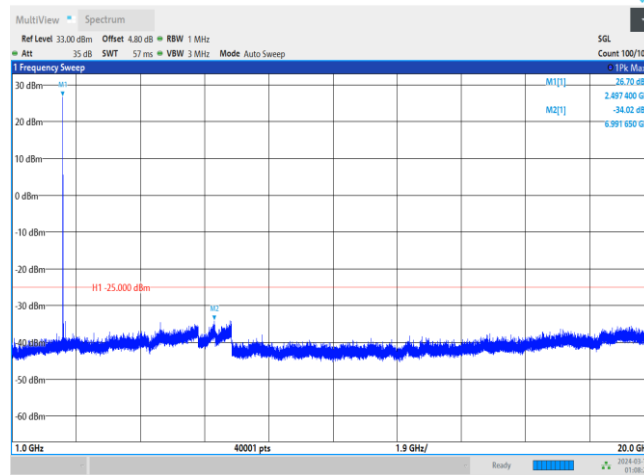
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Band41-20MHz-QPSK-39750-1RB#0-Range3:30~1000MHz



01:08:05 AM 03/12/2024

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



01:08:22 AM 03/12/2024

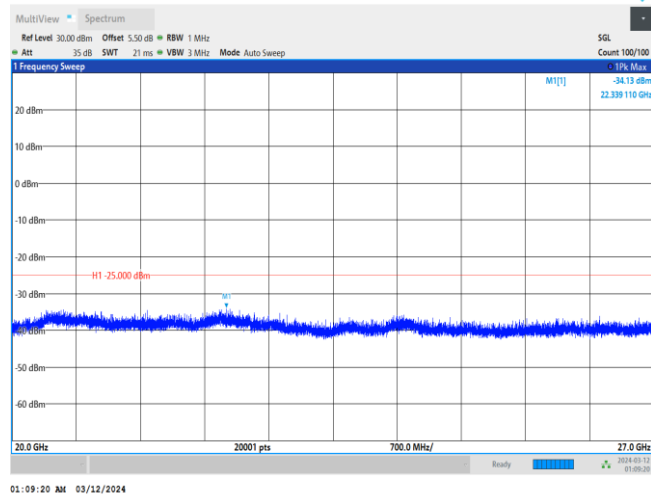


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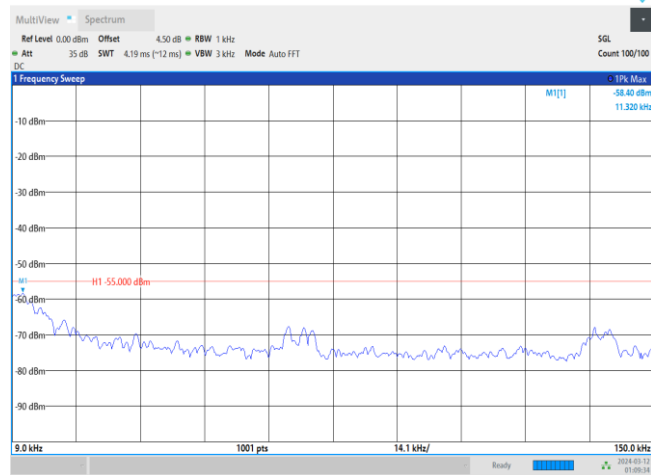
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Band41-20MHz-QPSK-39750-1RB#0-Range5:20000~27000MHz



01:09:20 AM 03/12/2024

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



01:09:34 AM 03/12/2024



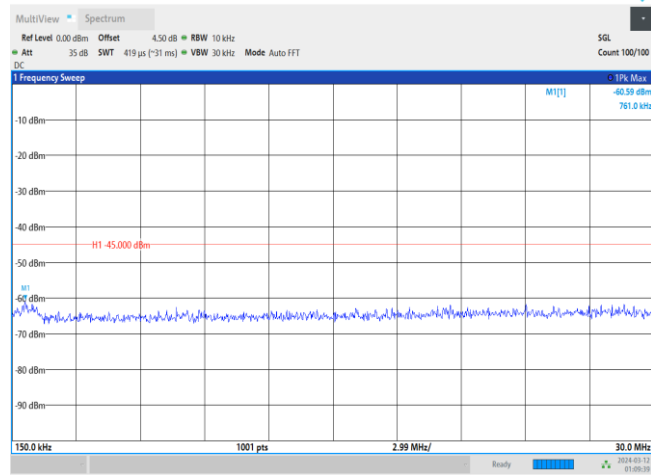
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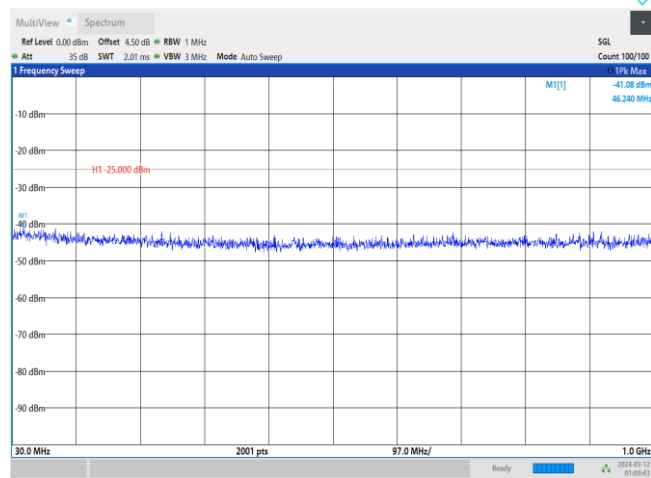


Band41-20MHz-QPSK-40620-1RB#0-Range2:0.15~30MHz



01:09:40 AM 03/12/2024

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



01:09:44 AM 03/12/2024

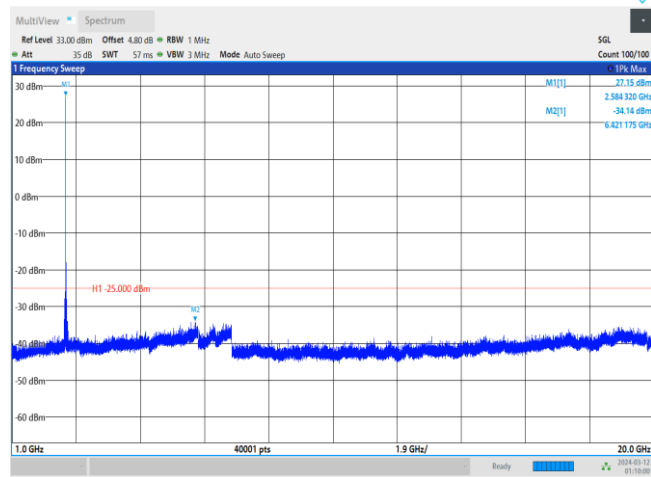


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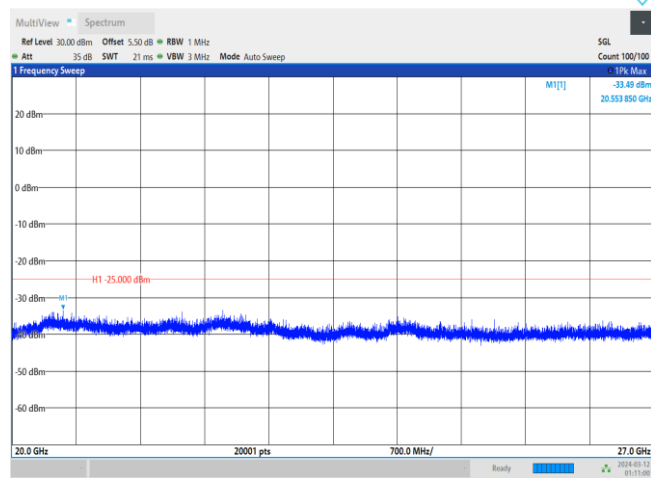
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Band41-20MHz-QPSK-40620-1RB#0-Range4:1000~20000MHz



01:10:01 AM 03/12/2024

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



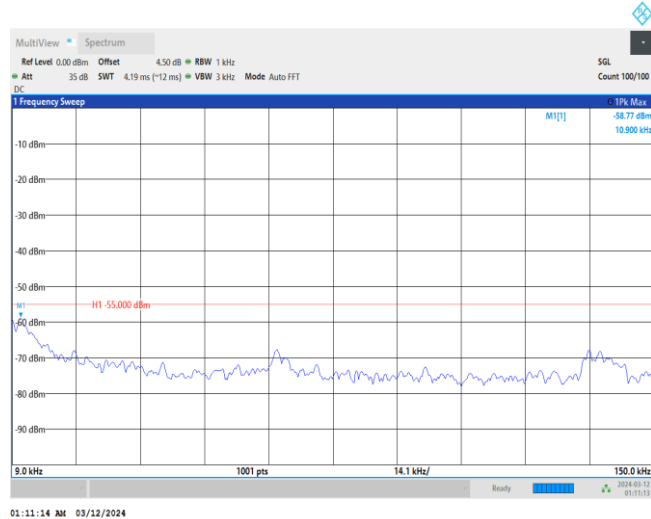
01:11:00 AM 03/12/2024



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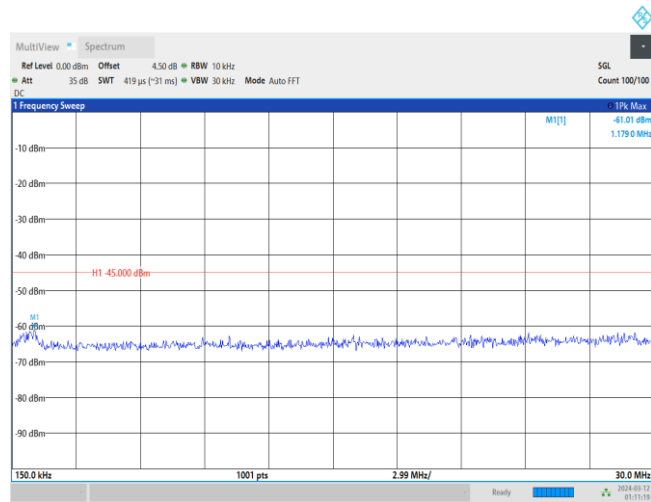
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Band41-20MHz-QPSK-41490-1RB#0-Range1:0.009~0.15MHz



01:11:14 AM 03/12/2024

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



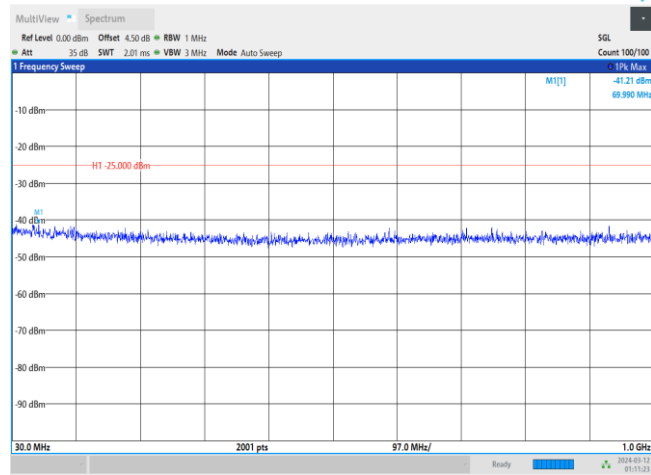
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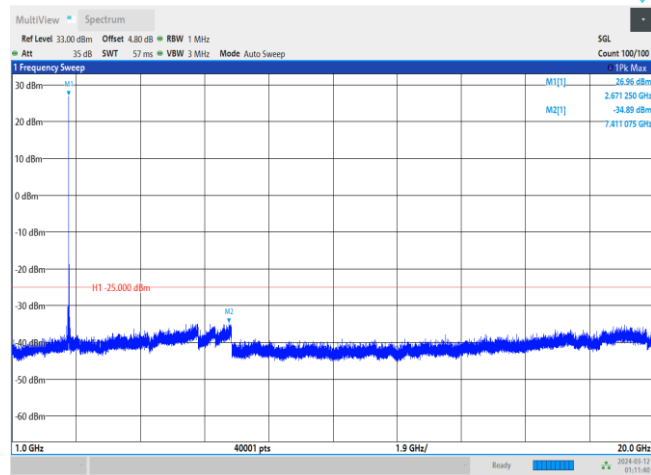
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Band41-20MHz-QPSK-41490-1RB#0-Range3:30~1000MHz



01:11:23 AM 03/12/2024

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



01:11:41 AM 03/12/2024

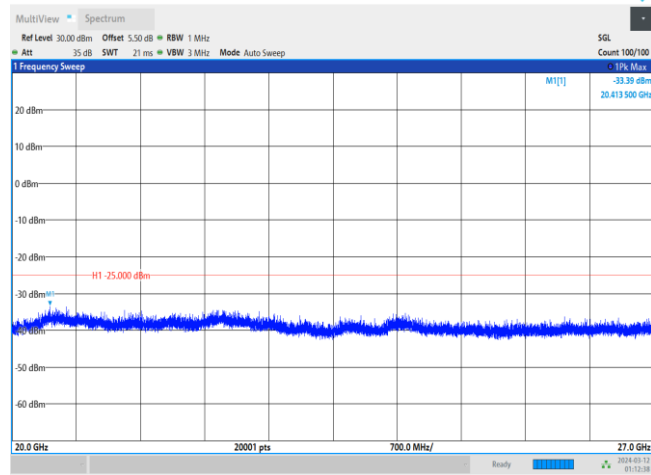


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Band41-20MHz-QPSK-41490-1RB#0-Range5:20000~27000MHz



01:12:39 AM 03/12/2024



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### Field Strength of Spurious Radiation

Test Band = LTE Band 41\_ TM1

Test Channel = Low Channel \_ Worse ANT

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4994.18	43.27	-48.01	31.49	-68.51	-25.00	43.51	Horizontal
2	7491.27	40.32	-46.17	36.78	-64.33	-25.00	39.33	Horizontal
3	9988.36	38.07	-41.75	38.49	-60.45	-25.00	35.45	Horizontal
4	12485.45	35.94	-39.84	38.91	-60.25	-25.00	35.25	Horizontal
5	14982.54	33.50	-37.89	40.11	-59.54	-25.00	34.54	Horizontal
6	17479.63	33.66	-36.93	41.97	-56.56	-25.00	31.56	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4994.18	43.27	-48.01	31.49	-68.51	-25.00	43.51	Vertical
2	7491.27	41.59	-46.17	36.78	-63.06	-25.00	38.06	Vertical
3	9988.36	38.34	-41.75	38.49	-60.18	-25.00	35.18	Vertical
4	12485.45	35.79	-39.84	38.91	-60.40	-25.00	35.40	Vertical
5	14982.54	34.15	-37.89	40.11	-58.89	-25.00	33.89	Vertical
6	17479.63	33.20	-36.93	41.97	-57.02	-25.00	32.02	Vertical



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

**Test Channel = Mid Channel \_ Worse ANT**

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	17506	34.71	-36.82	42.14	-55.23	-25.00	30.23	Horizontal
2	5168.18	42.61	-47.87	31.90	-68.61	-25.00	43.61	Horizontal
3	7752.27	41.85	-45.05	36.50	-61.97	-25.00	36.97	Horizontal
4	10336.36	38.31	-41.18	38.80	-59.33	-25.00	34.33	Horizontal
5	12920.45	36.44	-39.42	38.65	-59.59	-25.00	34.59	Horizontal
6	15504.54	33.97	-38.05	39.14	-60.20	-25.00	35.20	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	17502.5	34.87	-36.82	42.12	-55.09	-25.00	30.09	Vertical
2	5168.18	43.79	-47.87	31.90	-67.43	-25.00	42.43	Vertical
3	7752.27	43.29	-45.05	36.50	-60.53	-25.00	35.53	Vertical
4	10336.36	38.14	-41.18	38.80	-59.50	-25.00	34.50	Vertical
5	12920.45	37.08	-39.42	38.65	-58.95	-25.00	33.95	Vertical
6	15504.54	34.59	-38.05	39.14	-59.58	-25.00	34.58	Vertical



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**Test Band = LTE Band 41 \_ TM1**  
**Test Channel = High Channel \_ Worse ANT**

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	17644.5	36.02	-37.27	43.02	-53.48	-25.00	28.48	Horizontal
2	5255.18	43.29	-47.83	32.11	-67.69	-25.00	42.69	Horizontal
3	7882.77	41.20	-45.36	36.34	-63.08	-25.00	38.08	Horizontal
4	10510.36	37.41	-40.71	38.96	-59.60	-25.00	34.60	Horizontal
5	13137.95	35.56	-38.51	38.92	-59.30	-25.00	34.30	Horizontal
6	15765.54	33.99	-38.22	38.64	-60.85	-25.00	35.85	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	17988	34.91	-36.58	45.22	-51.71	-25.00	26.71	Vertical
2	5255.18	43.88	-47.83	32.11	-67.10	-25.00	42.10	Vertical
3	7882.77	41.05	-45.36	36.34	-63.23	-25.00	38.23	Vertical
4	10510.36	37.52	-40.71	38.96	-59.49	-25.00	34.49	Vertical
5	13137.95	36.14	-38.51	38.92	-58.72	-25.00	33.72	Vertical
6	15765.54	33.54	-38.22	38.64	-61.30	-25.00	36.30	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

2) All antennas of RSE are tested, and only the worst data is presented.



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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	-1.00	-0.000386	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-0.80	-0.000309	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	-1.80	-0.000694	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-1.80	-0.000694	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	0.20	0.000077	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	-1.00	-0.000386	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-4.10	-0.001581	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-3.10	-0.001196	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	0.50	0.000193	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	-0.90	-0.000347	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-3.30	-0.001273	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	-1.30	-0.000501	PASS

---End of Attachment---



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