

Appendix B.8

LTE Band 41



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Effective (Isotropic) Radiated Power Output Data

Test Result

Ant0 (Antenna Gain: 0.4dBi)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	17.76	18.16	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#12	17.62	18.02	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#24	17.61	18.01	33.00	PASS
Band41	5MHz	QPSK	39675	25RB#0	17.61	18.01	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#0	17.83	18.23	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#12	17.66	18.06	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#24	17.64	18.04	33.00	PASS
Band41	5MHz	QPSK	40620	25RB#0	17.78	18.18	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#0	17.76	18.16	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#12	17.49	17.89	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#24	17.59	17.99	33.00	PASS
Band41	5MHz	QPSK	41565	25RB#0	17.57	17.97	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#0	17.65	18.05	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#12	17.44	17.84	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#24	17.34	17.74	33.00	PASS
Band41	5MHz	16QAM	39675	25RB#0	17.34	17.74	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#0	17.57	17.97	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#12	17.47	17.87	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#24	17.68	18.08	33.00	PASS
Band41	5MHz	16QAM	40620	25RB#0	17.81	18.21	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#0	17.46	17.86	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#12	17.33	17.73	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#24	17.51	17.91	33.00	PASS
Band41	5MHz	16QAM	41565	25RB#0	17.47	17.87	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#0	17.71	18.11	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#12	17.36	17.76	33.00	PASS



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Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band41	5MHz	64QAM	39675	1RB#24	17.47	17.87	33.00	PASS
Band41	5MHz	64QAM	39675	25RB#0	17.49	17.89	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#0	17.67	18.07	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#12	17.72	18.12	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#24	17.60	18.00	33.00	PASS
Band41	5MHz	64QAM	40620	25RB#0	17.52	17.92	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#0	17.55	17.95	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#12	17.51	17.91	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#24	17.43	17.83	33.00	PASS
Band41	5MHz	64QAM	41565	25RB#0	17.37	17.77	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#0	17.71	18.11	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#24	17.49	17.89	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#49	17.45	17.85	33.00	PASS
Band41	10MHz	QPSK	39700	50RB#0	17.57	17.97	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#0	17.92	18.32	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#24	17.61	18.01	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#49	17.60	18.00	33.00	PASS
Band41	10MHz	QPSK	40620	50RB#0	17.74	18.14	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#0	17.74	18.14	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#24	17.51	17.91	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#49	17.54	17.94	33.00	PASS
Band41	10MHz	QPSK	41540	50RB#0	17.54	17.94	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#0	17.59	17.99	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#24	17.43	17.83	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#49	17.32	17.72	33.00	PASS
Band41	10MHz	16QAM	39700	50RB#0	17.43	17.83	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#0	17.58	17.98	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#24	17.58	17.98	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#49	17.61	18.01	33.00	PASS
Band41	10MHz	16QAM	40620	50RB#0	17.75	18.15	33.00	PASS



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Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band41	10MHz	16QAM	41540	1RB#0	17.50	17.90	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#24	17.40	17.80	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#49	17.47	17.87	33.00	PASS
Band41	10MHz	16QAM	41540	50RB#0	17.43	17.83	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#0	17.58	17.98	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#24	17.40	17.80	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#49	17.48	17.88	33.00	PASS
Band41	10MHz	64QAM	39700	50RB#0	17.32	17.72	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#0	17.59	17.99	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#24	17.56	17.96	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#49	17.73	18.13	33.00	PASS
Band41	10MHz	64QAM	40620	50RB#0	17.59	17.99	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#0	17.57	17.97	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#24	17.56	17.96	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#49	17.50	17.90	33.00	PASS
Band41	10MHz	64QAM	41540	50RB#0	17.35	17.75	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#0	17.65	18.05	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#38	17.63	18.03	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#74	17.62	18.02	33.00	PASS
Band41	15MHz	QPSK	39725	75RB#0	17.59	17.99	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#0	17.87	18.27	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#38	17.63	18.03	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#74	17.61	18.01	33.00	PASS
Band41	15MHz	QPSK	40620	75RB#0	17.68	18.08	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#0	17.68	18.08	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#38	17.64	18.04	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#74	17.45	17.85	33.00	PASS
Band41	15MHz	QPSK	41515	75RB#0	17.45	17.85	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#0	17.55	17.95	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#38	17.27	17.67	33.00	PASS



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Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band41	15MHz	16QAM	39725	1RB#74	17.41	17.81	33.00	PASS
Band41	15MHz	16QAM	39725	75RB#0	17.38	17.78	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#0	17.61	18.01	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#38	17.51	17.91	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#74	17.68	18.08	33.00	PASS
Band41	15MHz	16QAM	40620	75RB#0	17.70	18.10	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#0	17.63	18.03	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#38	17.34	17.74	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#74	17.56	17.96	33.00	PASS
Band41	15MHz	16QAM	41515	75RB#0	17.50	17.90	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#0	17.60	18.00	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#38	17.37	17.77	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#74	17.46	17.86	33.00	PASS
Band41	15MHz	64QAM	39725	75RB#0	17.38	17.78	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#0	17.75	18.15	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#38	17.71	18.11	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#74	17.69	18.09	33.00	PASS
Band41	15MHz	64QAM	40620	75RB#0	17.57	17.97	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#0	17.63	18.03	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#38	17.49	17.89	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#74	17.44	17.84	33.00	PASS
Band41	15MHz	64QAM	41515	75RB#0	17.27	17.67	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#0	17.77	18.17	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#49	17.65	18.05	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#99	17.65	18.05	33.00	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.63	18.03	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#0	17.93	18.33	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#49	17.81	18.21	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#99	17.81	18.21	33.00	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.86	18.26	33.00	PASS



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Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band41	20MHz	QPSK	41490	1RB#0	17.84	18.24	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#49	17.69	18.09	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#99	17.62	18.02	33.00	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.60	18.00	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#0	17.75	18.15	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#49	17.47	17.87	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#99	17.47	17.87	33.00	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.54	17.94	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#0	17.73	18.13	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#49	17.68	18.08	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#99	17.78	18.18	33.00	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.82	18.22	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#0	17.65	18.05	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#49	17.48	17.88	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#99	17.61	18.01	33.00	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.58	17.98	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#0	17.74	18.14	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#49	17.47	17.87	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#99	17.58	17.98	33.00	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.51	17.91	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#0	17.80	18.20	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#49	17.73	18.13	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#99	17.78	18.18	33.00	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.70	18.10	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#0	17.73	18.13	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#49	17.57	17.97	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#99	17.57	17.97	33.00	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.44	17.84	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	9.72	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	9.58	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	9.64	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	10.66	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	10.52	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	10.46	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	10.94	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	10.84	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	10.76	13	PASS



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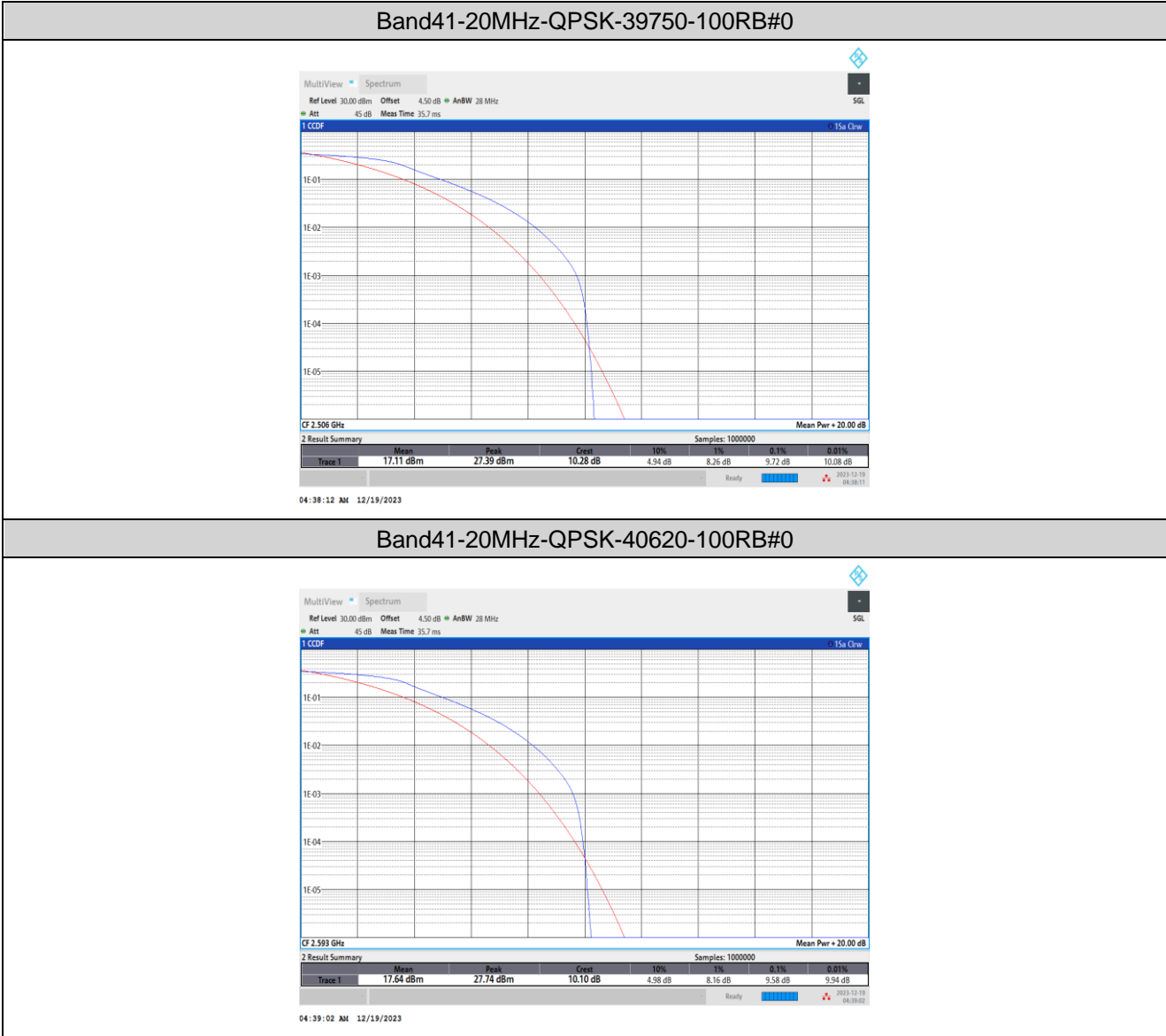
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Test Graphs

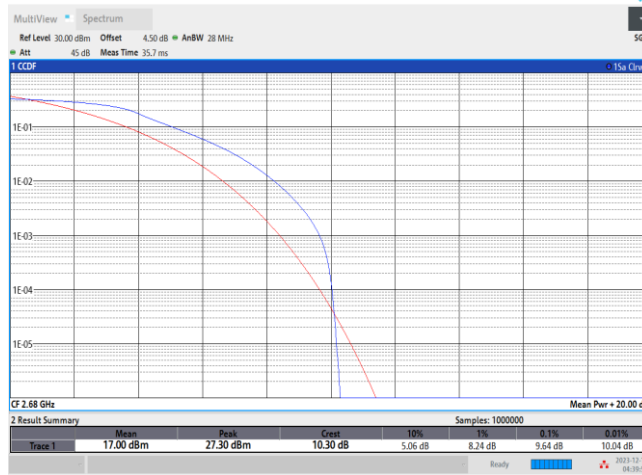


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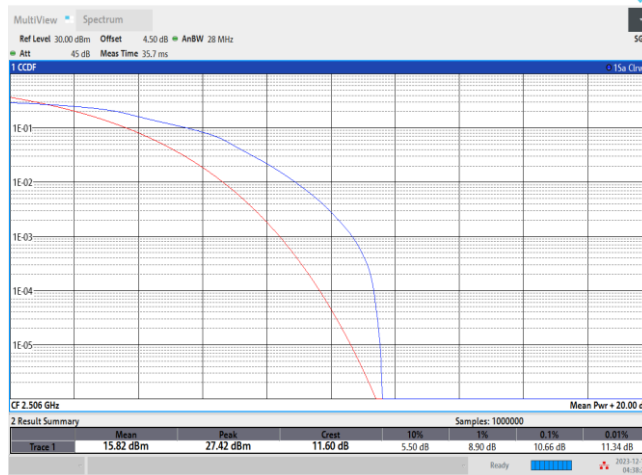
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Band41-20MHz-QPSK-41490-100RB#0



04:39:52 AM 12/19/2023

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



04:38:29 AM 12/19/2023

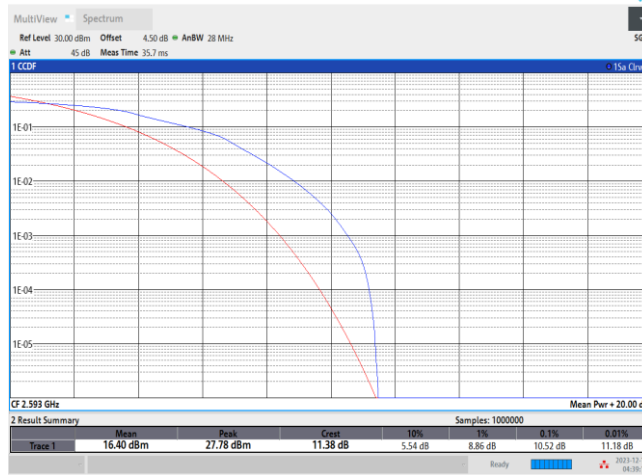


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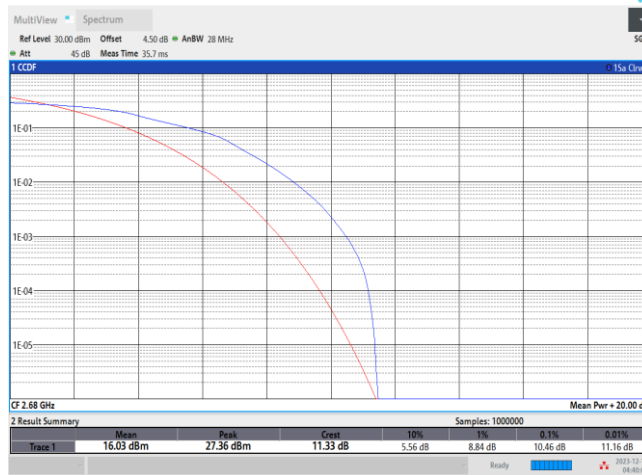
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Band41-20MHz-16QAM-40620-100RB#0



04:39:19 AM 12/19/2023

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



04:40:08 AM 12/19/2023

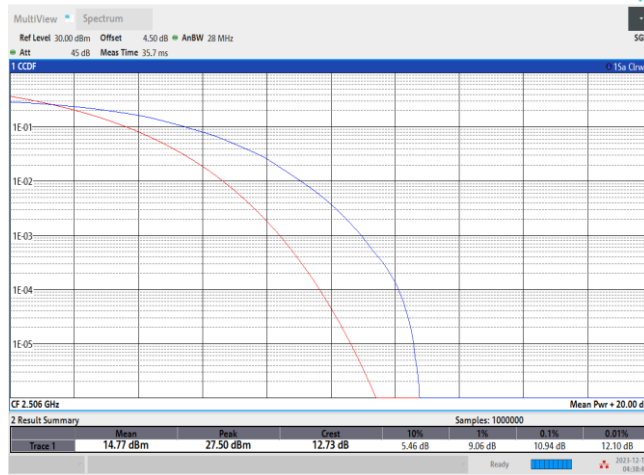


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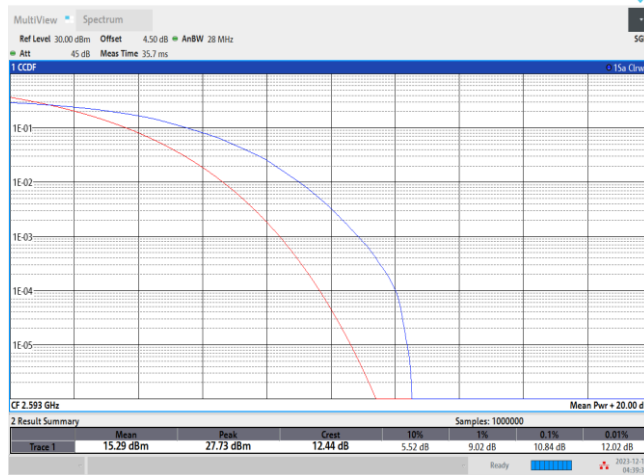
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Band41-20MHz-64QAM-39750-100RB#0



04:38:45 AM 12/19/2023

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



04:39:35 AM 12/19/2023

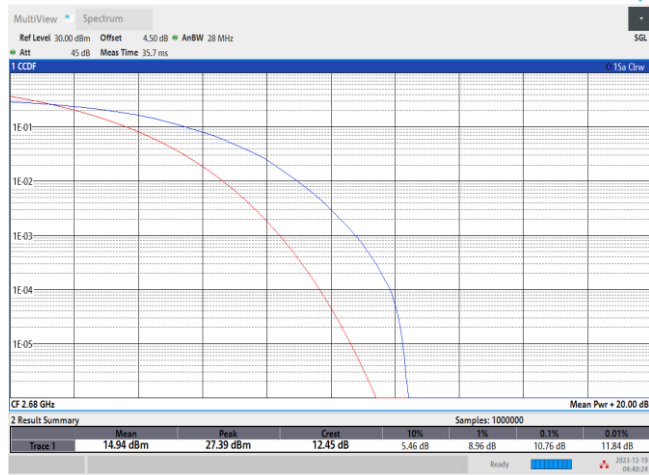


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Band41-20MHz-64QAM-41490-100RB#0



04:40:25 AM 12/19/2023



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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	40620	25RB#0	4.479	5.06	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.487	5.04	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.478	5.03	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.933	9.92	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.948	9.88	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.943	9.80	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.486	15.00	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.482	15.00	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.471	15.12	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.909	19.60	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.913	19.60	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.906	19.72	PASS



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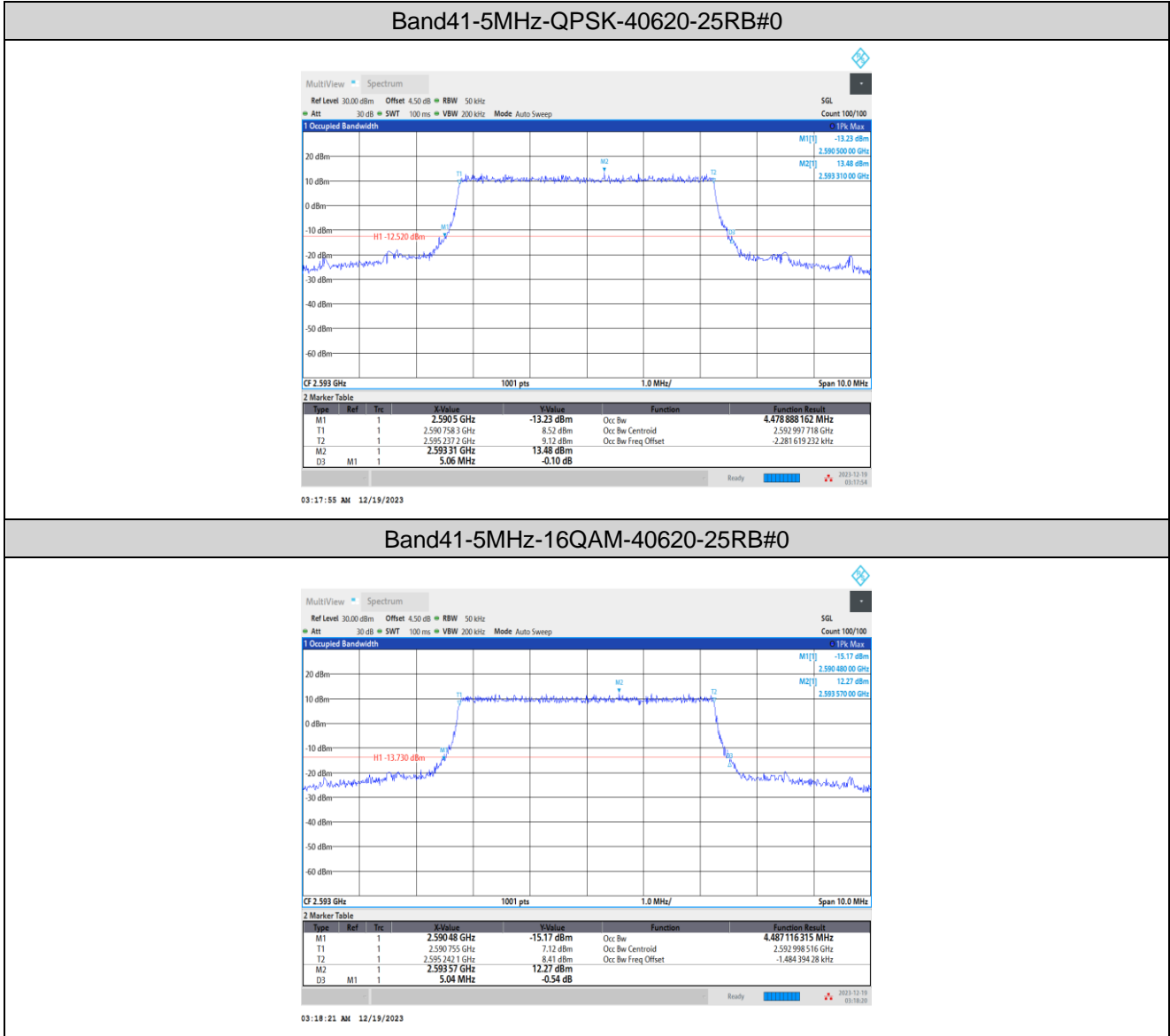
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Test Graphs

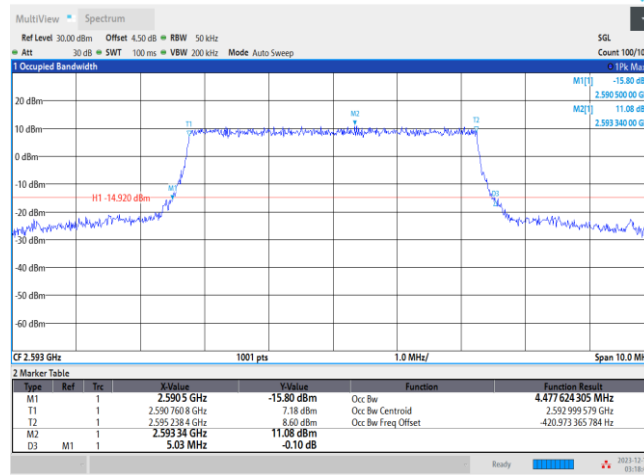


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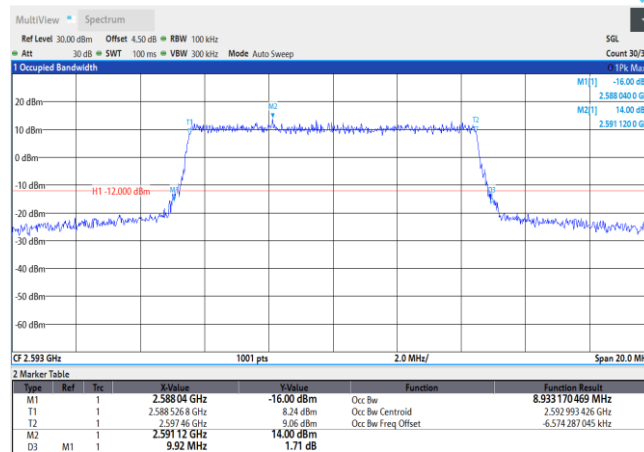
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Band41-5MHz-64QAM-40620-25RB#0



03:18:47 AM 12/19/2023

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



03:19:45 AM 12/19/2023

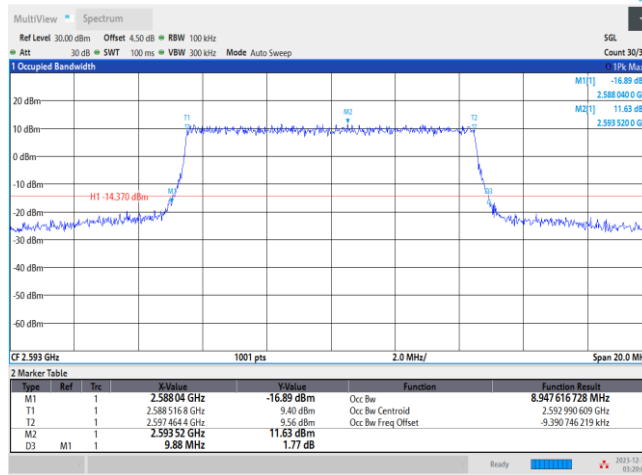


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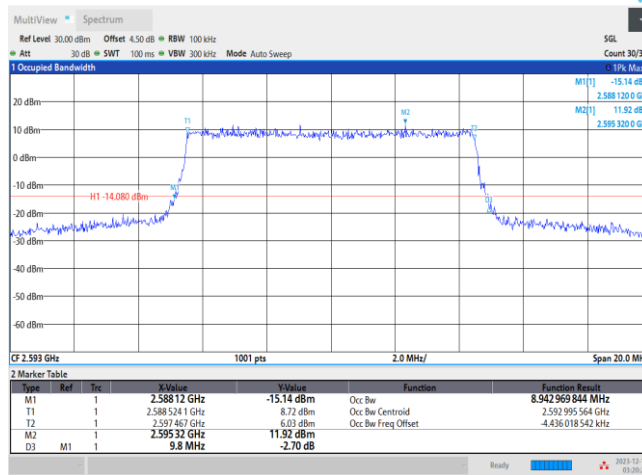
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Band41-10MHz-16QAM-40620-50RB#0



03:20:04 AM 12/19/2023

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



03:20:23 AM 12/19/2023

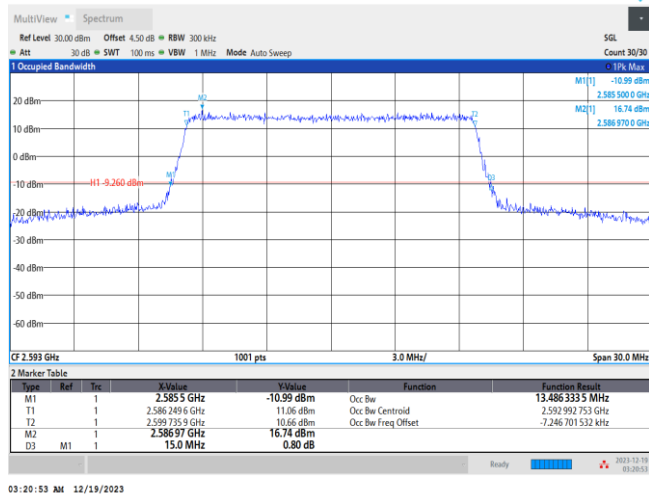


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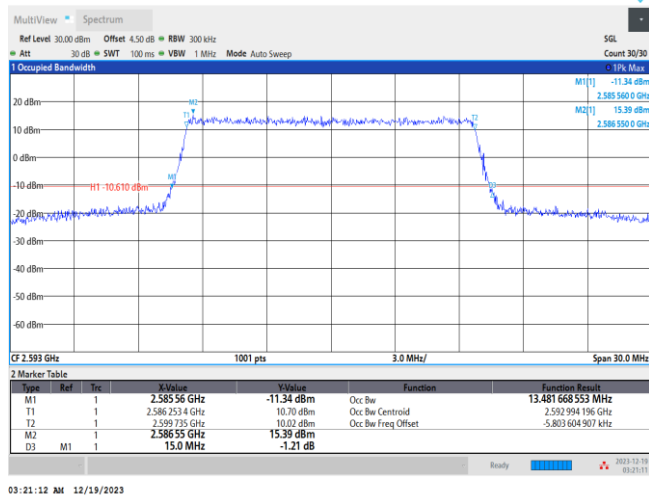
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Band41-15MHz-QPSK-40620-75RB#0



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

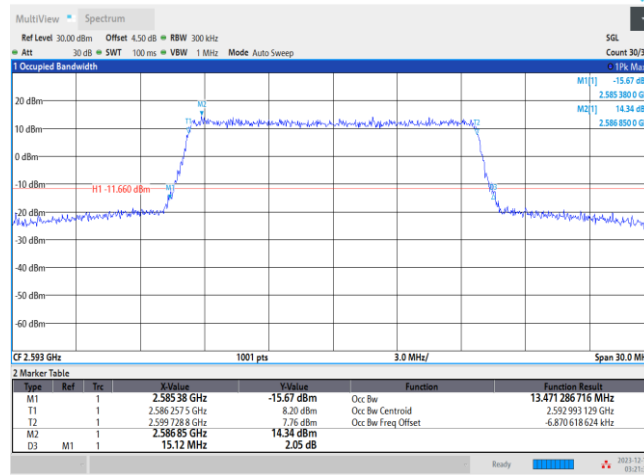


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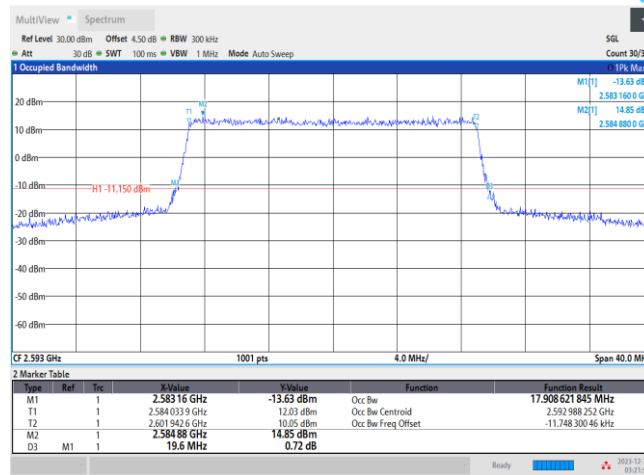
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Band41-15MHz-64QAM-40620-75RB#0



03:21:31 AM 12/19/2023

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



03:21:58 AM 12/19/2023

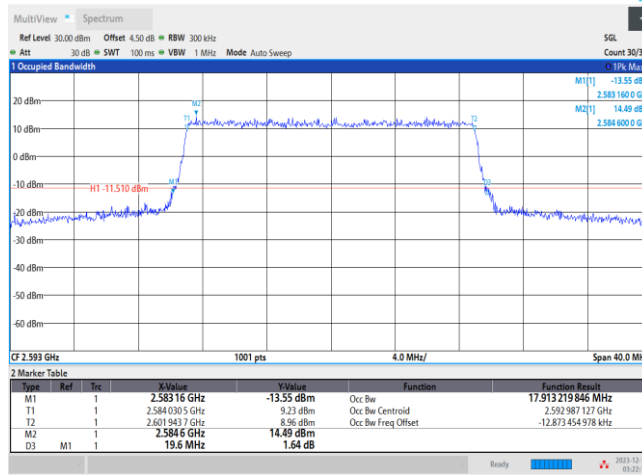


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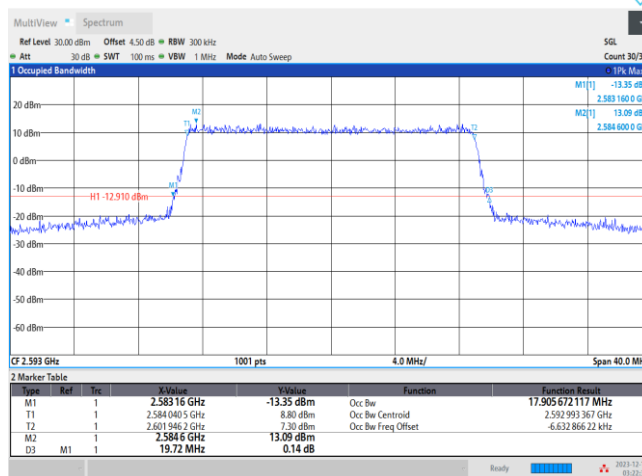
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Band41-20MHz-16QAM-40620-100RB#0



03:22:17 AM 12/19/2023

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



03:22:37 AM 12/19/2023



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Band Edge

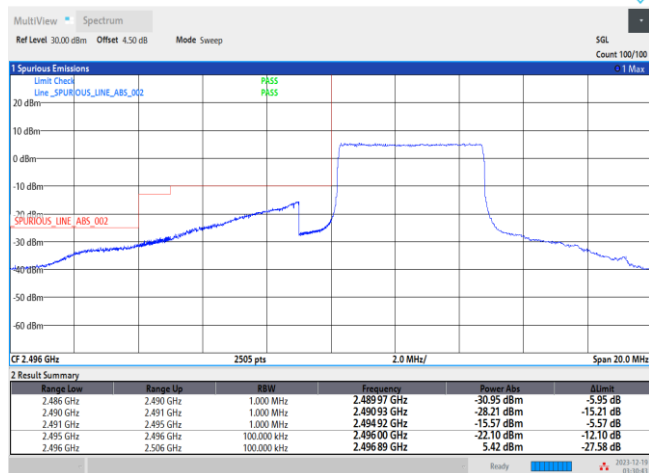
Test Graphs

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



03:26:22 AM 12/19/2023

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



03:30:44 AM 12/19/2023

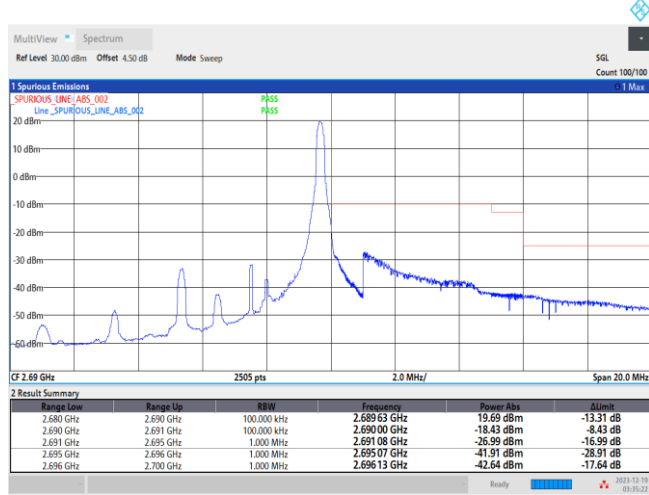


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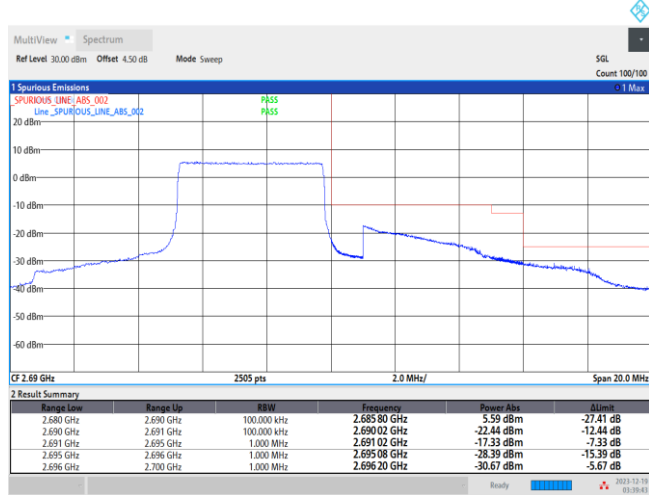
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Band41-5MHz-QPSK-41565-1RB#24



03:35:23 AM 12/19/2023

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



03:39:43 AM 12/19/2023

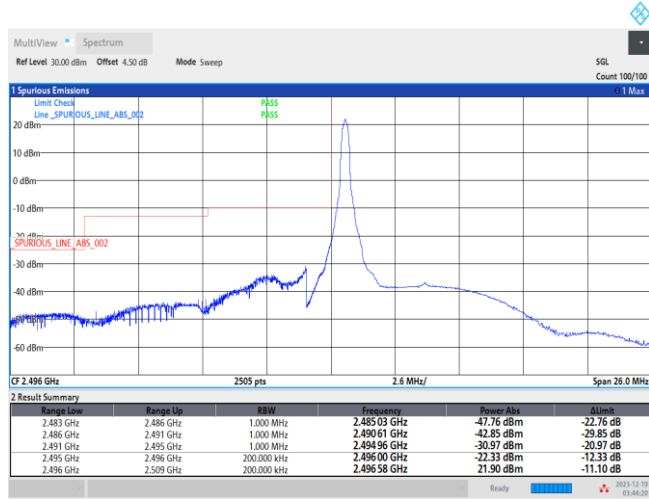


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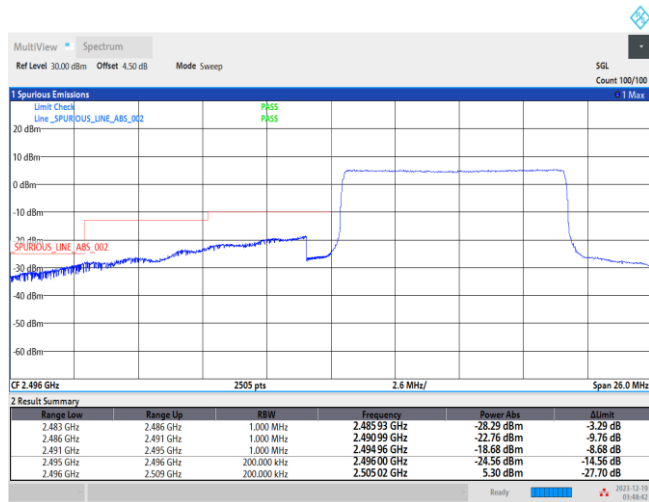
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Band41-10MHz-QPSK-39700-1RB#0



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



03:48:42 AM 12/19/2023



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



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



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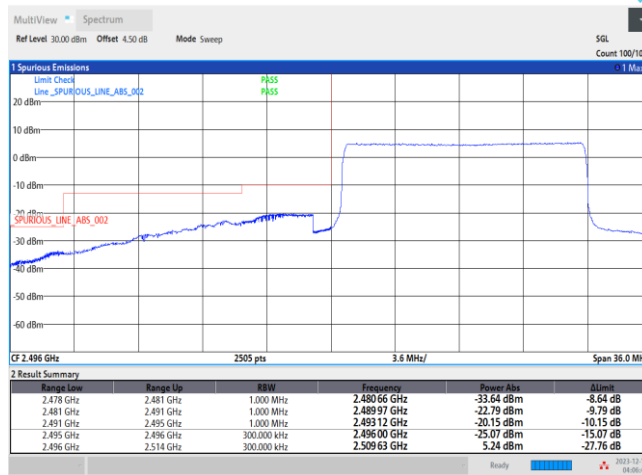
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Band41-15MHz-QPSK-39725-1RB#0



04:02:20 AM 12/19/2023

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



04:06:44 AM 12/19/2023

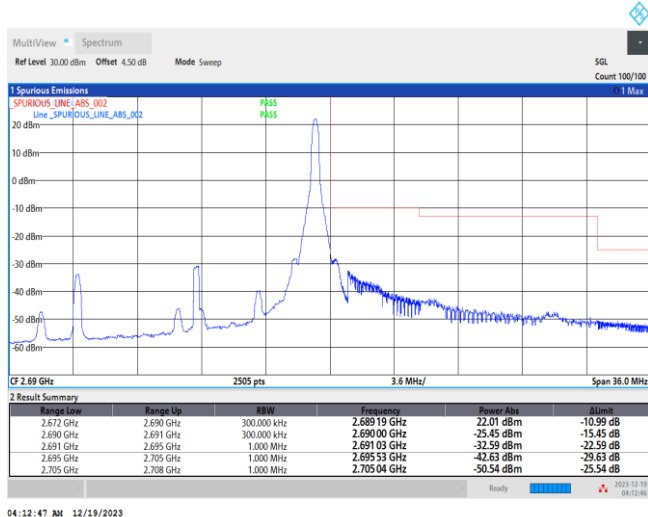


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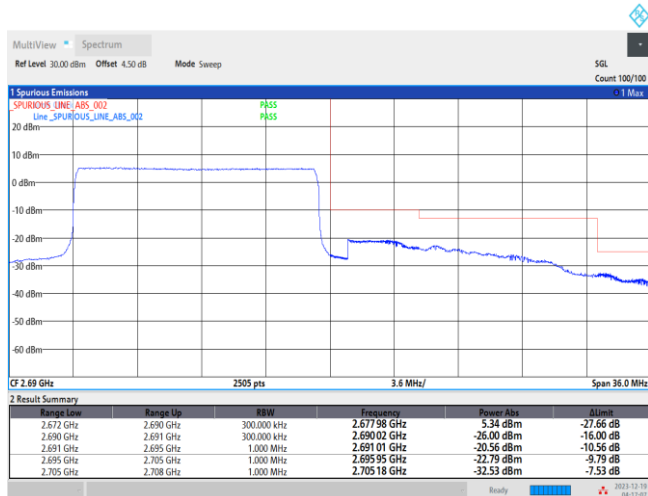
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Band41-15MHz-QPSK-41515-1RB#74



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



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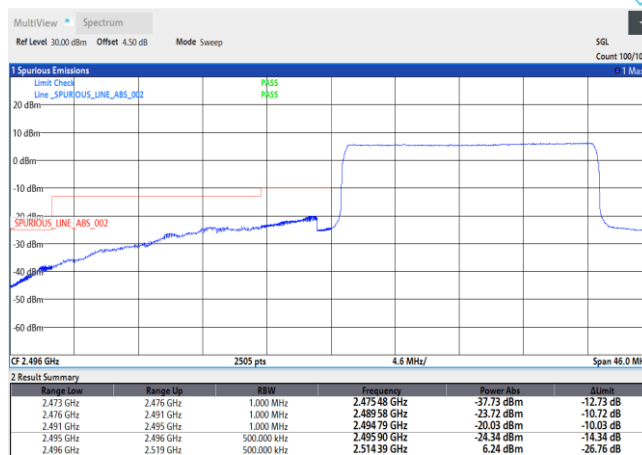
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Band41-20MHz-QPSK-39750-1RB#0



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



04:26:08 AM 12/19/2023

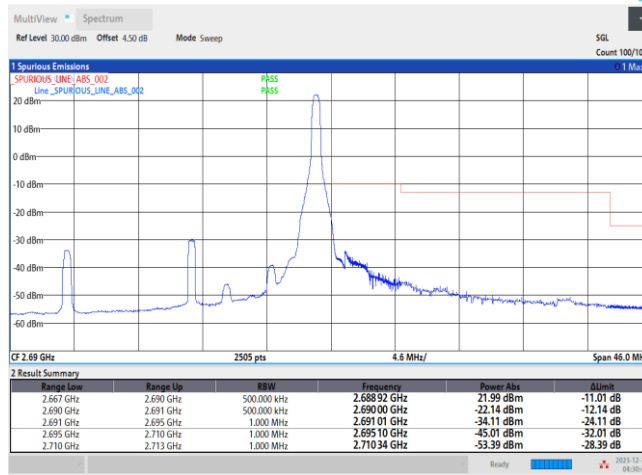


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Band41-20MHz-QPSK-41490-1RB#99



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



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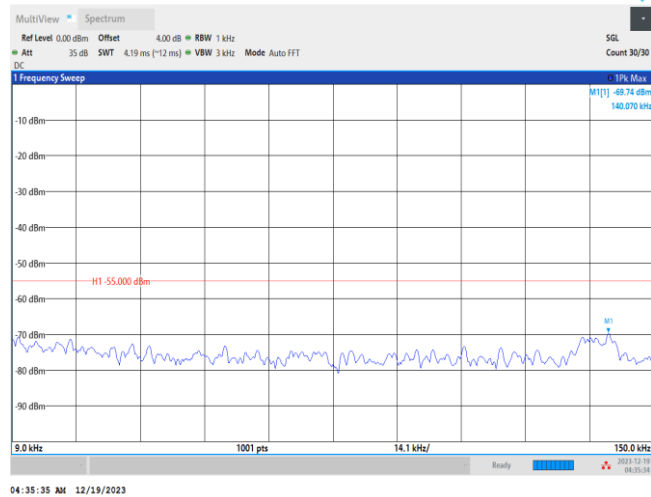
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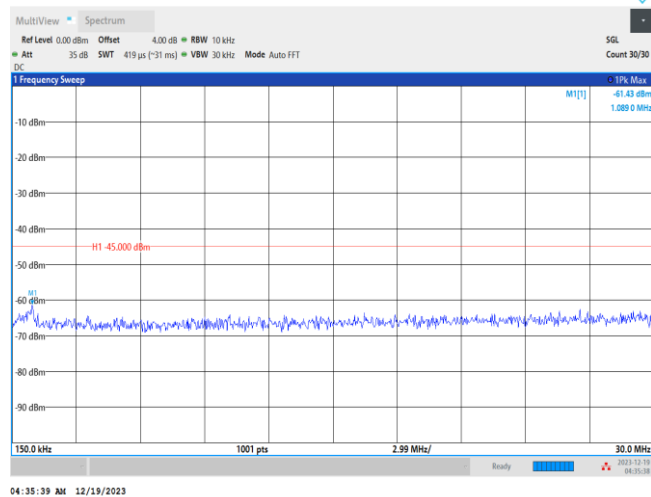
Conducted Spurious Emission

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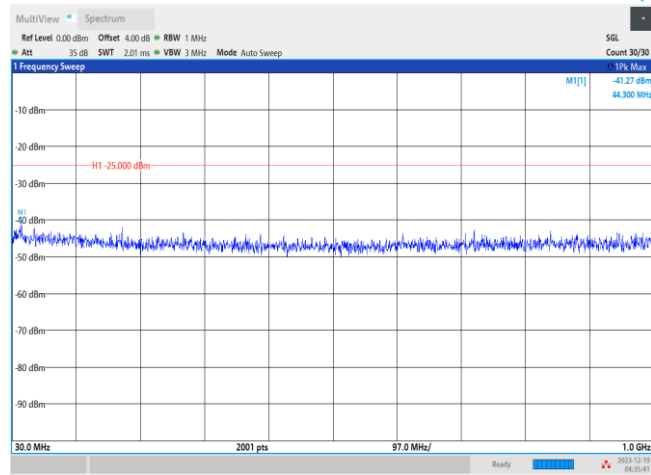
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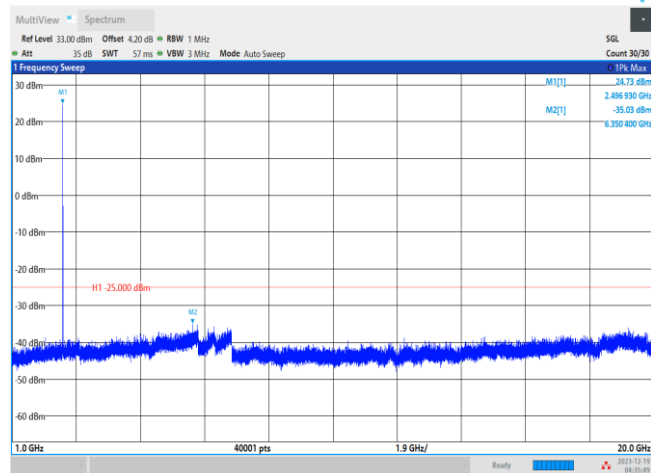
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Band41-20MHz-QPSK-39750-1RB#0-Range3:30~1000MHz



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



04:35:49 AM 12/19/2023

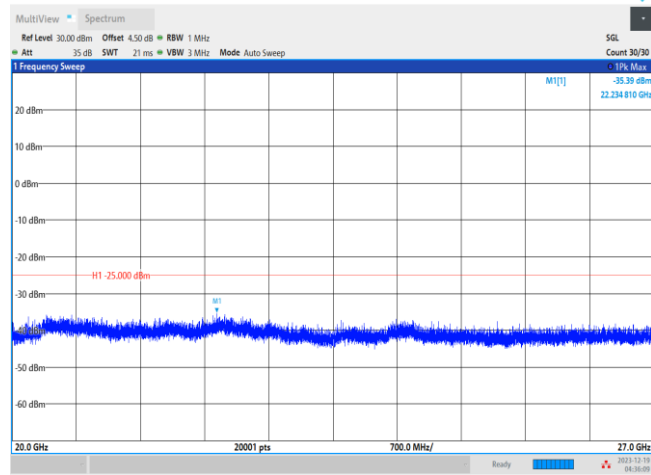


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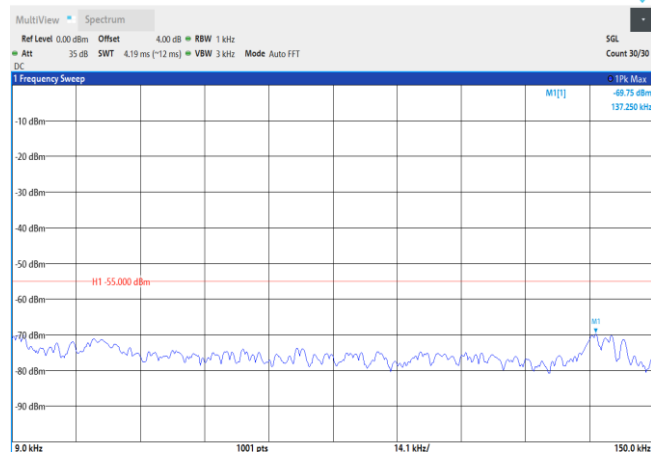
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Band41-20MHz-QPSK-39750-1RB#0-Range5:20000~27000MHz



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



04:36:22 AM 12/19/2023

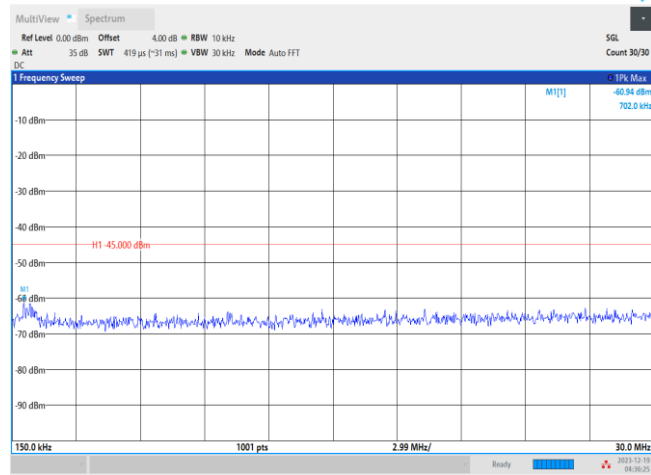


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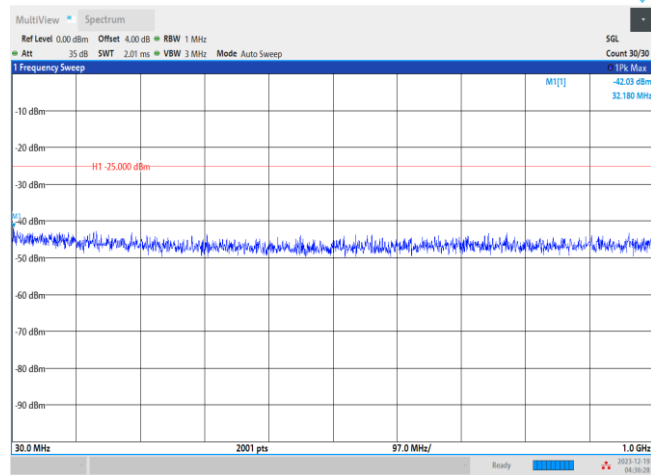
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Band41-20MHz-QPSK-40620-1RB#0-Range2:0.15~30MHz



04:36:25 AM 12/19/2023

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



04:36:28 AM 12/19/2023

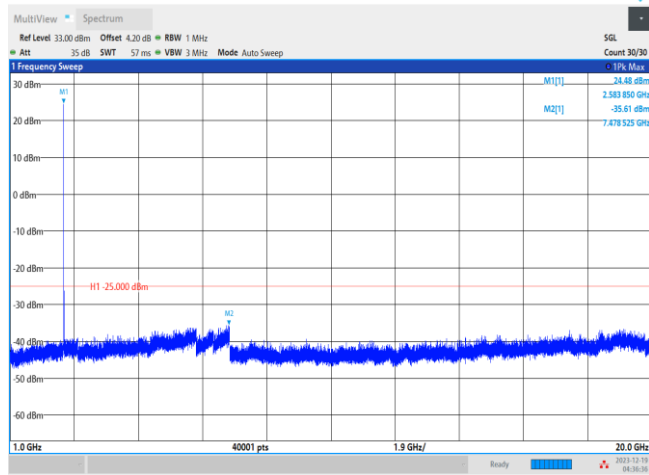


SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratory

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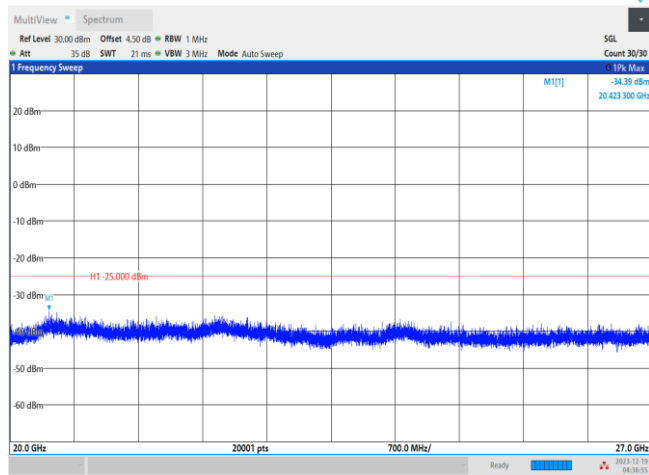
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Band41-20MHz-QPSK-40620-1RB#0-Range4:1000~20000MHz



04:36:36 AM 12/19/2023

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



04:36:56 AM 12/19/2023

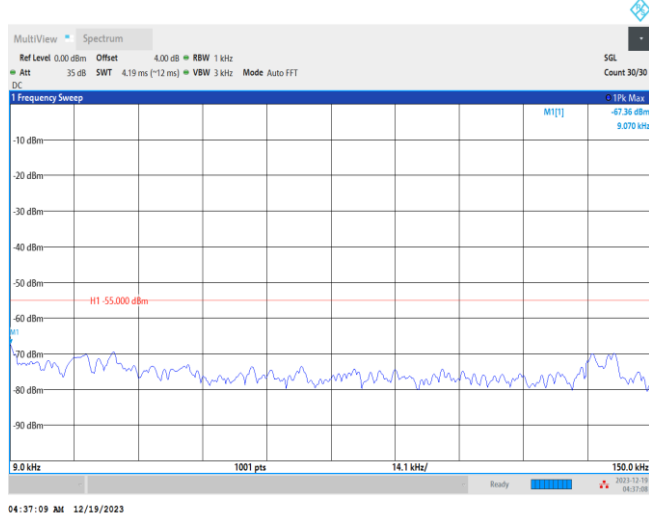


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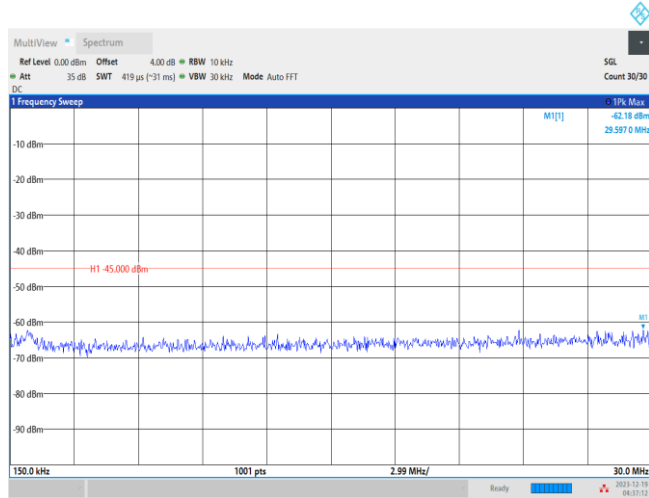
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Band41-20MHz-QPSK-41490-1RB#0-Range1:0.009~0.15MHz



04:37:09 AM 12/19/2023

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



04:37:12 AM 12/19/2023

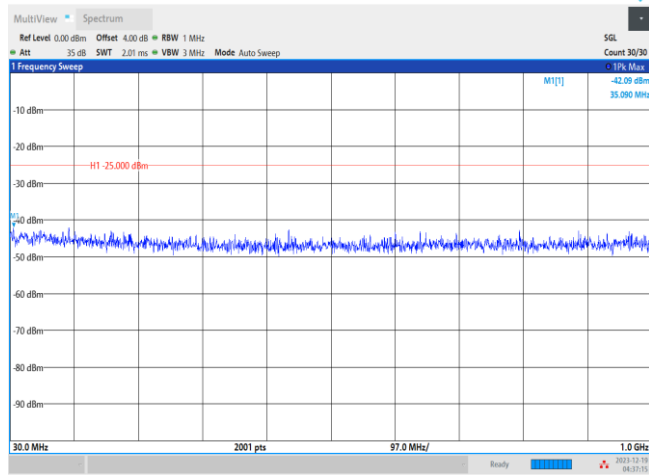


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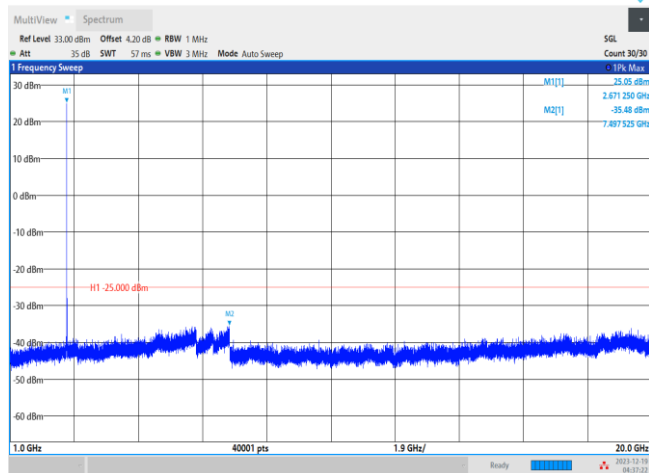
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Band41-20MHz-QPSK-41490-1RB#0-Range3:30~1000MHz



04:37:15 AM 12/19/2023

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



04:37:23 AM 12/19/2023

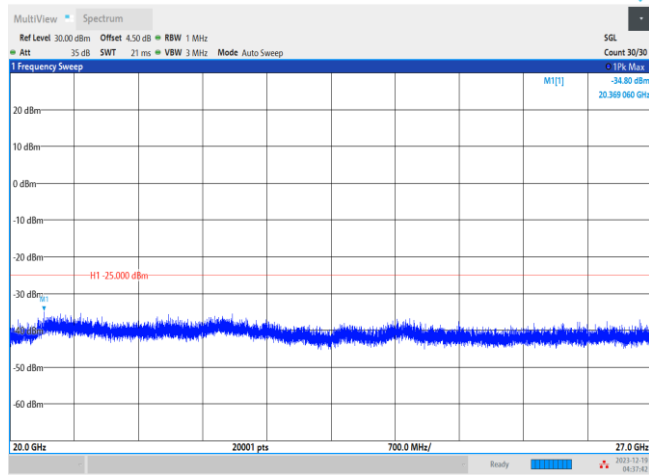


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Band41-20MHz-QPSK-41490-1RB#0-Range5:20000~27000MHz



04:37:43 AM 12/19/2023



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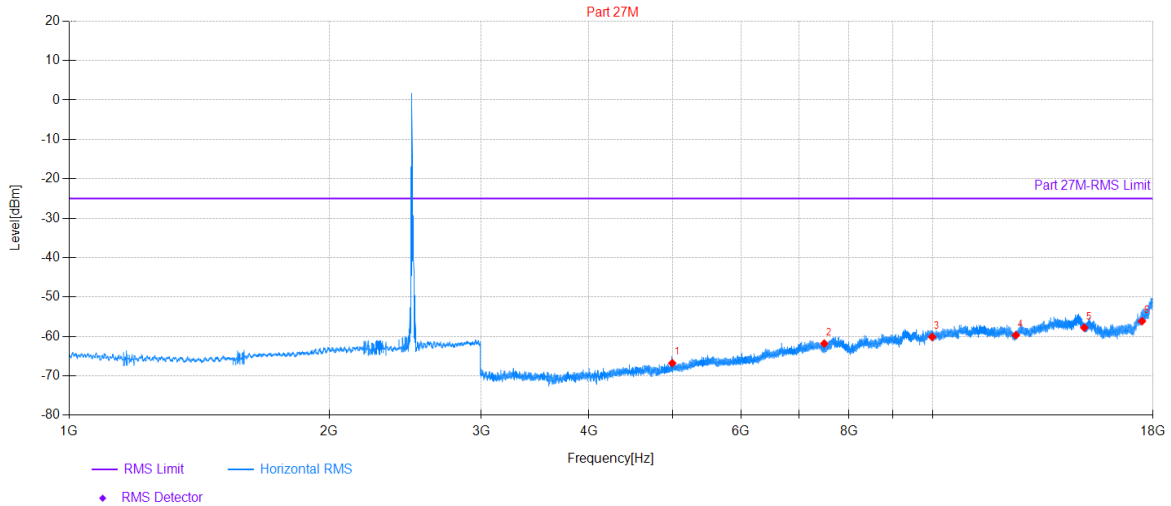
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Field Strength of Spurious Radiation

Test Band = LTE Band 41_ TM1

Test Channel = Low Channel



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4994.18	45.00	-48.01	31.49	-66.78	-25.00	41.78	Horizontal
2	7491.27	42.84	-46.17	36.78	-61.81	-25.00	36.81	Horizontal
3	9988.36	38.39	-41.75	38.49	-60.13	-25.00	35.13	Horizontal
4	12485.45	36.51	-39.84	38.91	-59.68	-25.00	34.68	Horizontal
5	14982.54	35.27	-37.89	40.11	-57.77	-25.00	32.77	Horizontal
6	17479.63	34.09	-36.93	41.97	-56.13	-25.00	31.13	Horizontal

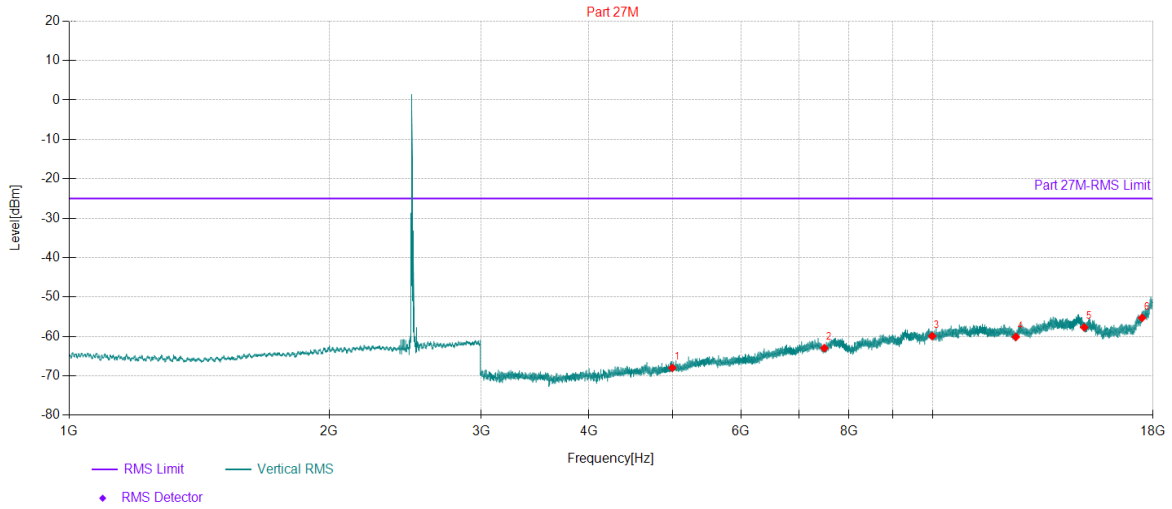


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Test Band = LTE Band 41_ TM1
Test Channel = Low Channel



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4994.18	43.82	-48.01	31.49	-67.96	-25.00	42.96	Vertical
2	7491.27	41.69	-46.17	36.78	-62.96	-25.00	37.96	Vertical
3	9988.36	38.61	-41.75	38.49	-59.91	-25.00	34.91	Vertical
4	12485.45	36.06	-39.84	38.91	-60.13	-25.00	35.13	Vertical
5	14982.54	35.34	-37.89	40.11	-57.70	-25.00	32.70	Vertical
6	17479.63	34.94	-36.93	41.97	-55.28	-25.00	30.28	Vertical

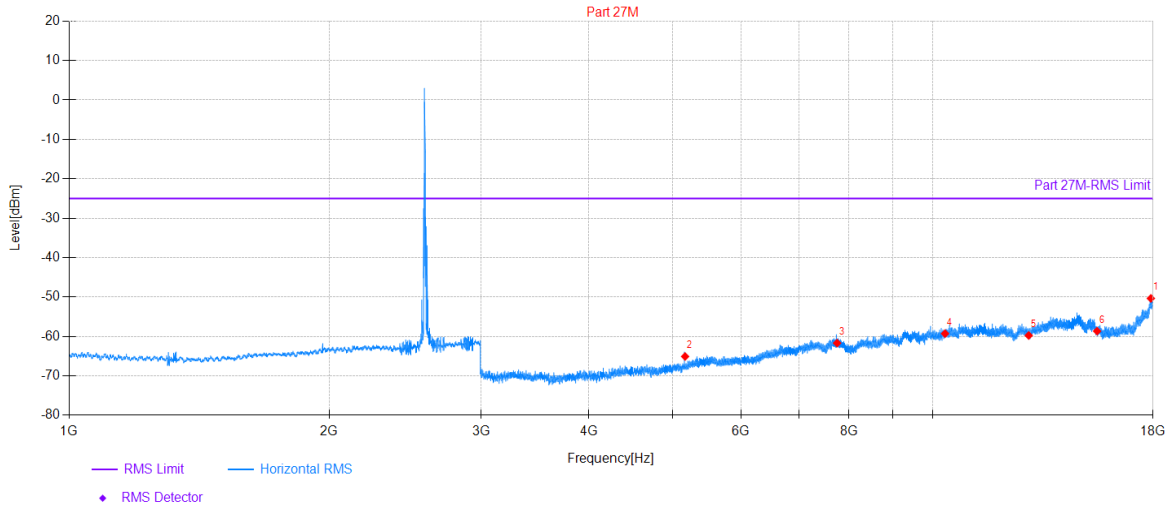


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Test Band = LTE Band 41_ TM1

Test Channel = Mid Channel



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	17896.5	36.75	-36.47	44.64	-50.35	-25.00	25.35	Horizontal
2	5168.18	46.13	-47.87	31.90	-65.09	-25.00	40.09	Horizontal
3	7752.27	42.14	-45.05	36.50	-61.68	-25.00	36.68	Horizontal
4	10336.36	38.36	-41.18	38.80	-59.28	-25.00	34.28	Horizontal
5	12920.45	36.27	-39.42	38.65	-59.76	-25.00	34.76	Horizontal
6	15504.54	35.52	-38.05	39.14	-58.65	-25.00	33.65	Horizontal



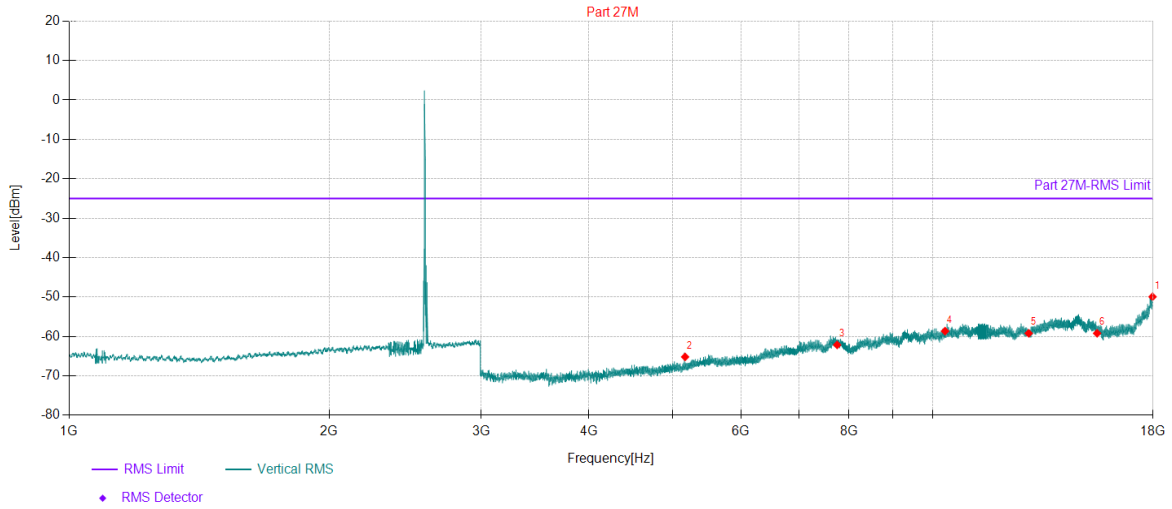
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Test Band = LTE Band 41_ TM1

Test Channel = Mid Channel



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	17976.5	36.73	-36.56	45.15	-49.94	-25.00	24.94	Vertical
2	5168.18	46.03	-47.87	31.90	-65.19	-25.00	40.19	Vertical
3	7752.27	41.67	-45.05	36.50	-62.15	-25.00	37.15	Vertical
4	10336.36	39.00	-41.18	38.80	-58.64	-25.00	33.64	Vertical
5	12920.45	36.82	-39.42	38.65	-59.21	-25.00	34.21	Vertical
6	15504.54	34.97	-38.05	39.14	-59.20	-25.00	34.20	Vertical



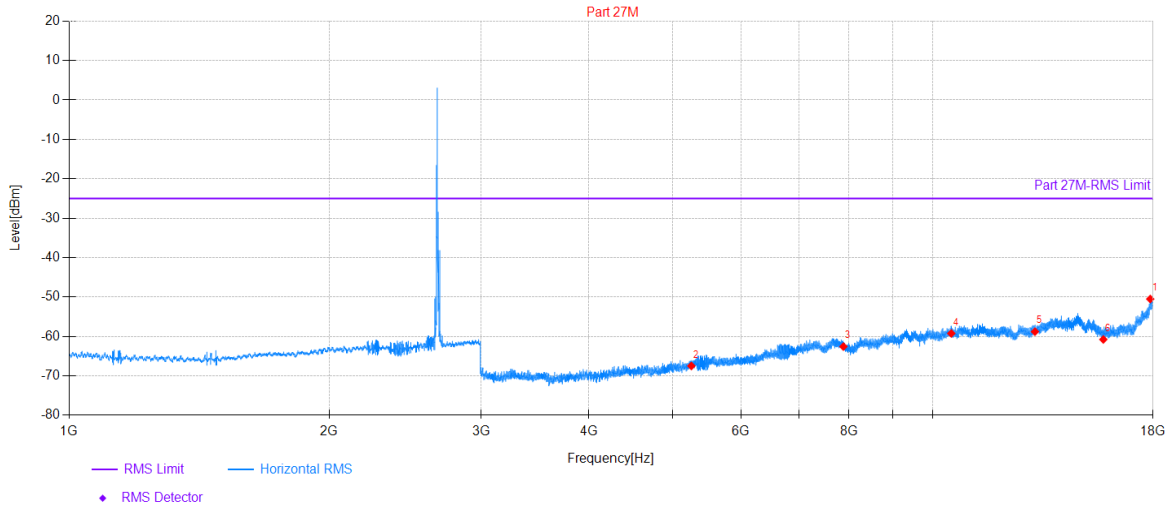
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Test Band = LTE Band 41_ TM1

Test Channel = High Channel



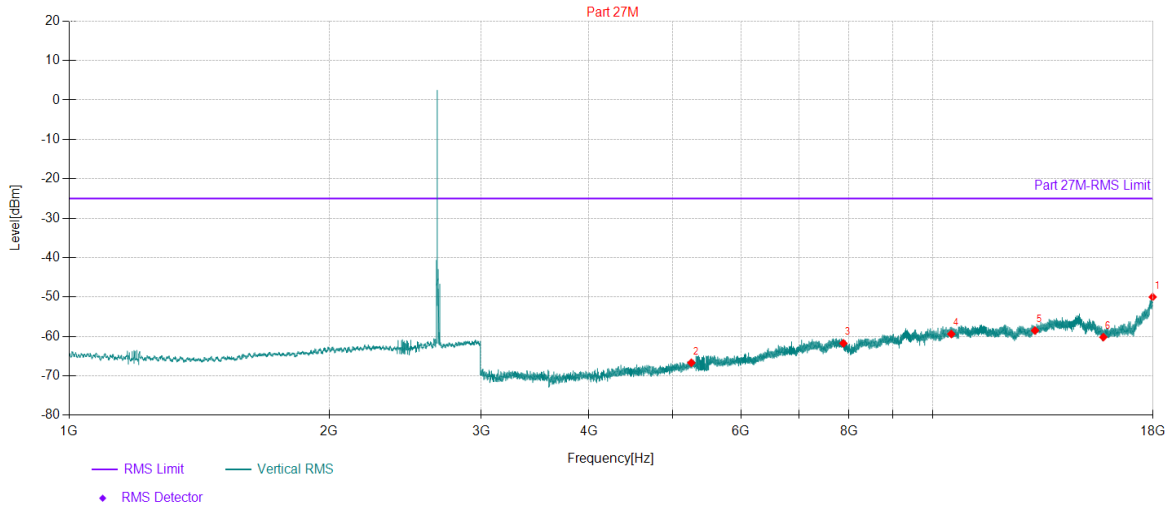
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	17866	37.09	-36.77	44.44	-50.50	-25.00	25.50	Horizontal
2	5255.18	43.49	-47.83	32.11	-67.49	-25.00	42.49	Horizontal
3	7882.77	41.71	-45.36	36.34	-62.57	-25.00	37.57	Horizontal
4	10510.36	37.78	-40.71	38.96	-59.23	-25.00	34.23	Horizontal
5	13137.95	36.08	-38.51	38.92	-58.78	-25.00	33.78	Horizontal
6	15765.54	34.08	-38.22	38.64	-60.76	-25.00	35.76	Horizontal



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Test Band = LTE Band 41_ TM1
Test Channel = High Channel



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	17982	36.66	-36.57	45.18	-49.99	-25.00	24.99	Vertical
2	5255.18	44.30	-47.83	32.11	-66.68	-25.00	41.68	Vertical
3	7882.77	42.54	-45.36	36.34	-61.74	-25.00	36.74	Vertical
4	10510.36	37.63	-40.71	38.96	-59.38	-25.00	34.38	Vertical
5	13137.95	36.36	-38.51	38.92	-58.50	-25.00	33.50	Vertical
6	15765.54	34.66	-38.22	38.64	-60.18	-25.00	35.18	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	0.60	0.000231	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	1.20	0.000463	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	-0.80	-0.000309	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	0.60	0.000231	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-0.70	-0.000270	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	0.00	0.000000	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-0.70	-0.000270	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-1.70	-0.000656	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	-0.20	-0.000077	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	0.90	0.000347	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-0.70	-0.000270	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	-0.20	-0.000077	PASS

---End of Attachment---



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