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Rev.: 01

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Appendix B.12

LTE Band 38



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Effective (Isotropic) Radiated Power Output Data

Test Result

Ant31

Table with 9 columns: Band, Bandwidth, Modulation, Channel, RB Configuration, Result(dBm), EIRP(dBm), Limit(dBm), Verdict. It contains 30 rows of test data for Band 38 across various modulation schemes and RB configurations.



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Band38	5MHz	64QAM	37775	1RB#24	21.90	20.64	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	20.83	19.57	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	21.96	20.70	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	22.06	20.80	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	22.09	20.83	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	20.78	19.52	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#0	22.19	20.93	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	22.08	20.82	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	22.17	20.91	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	20.84	19.58	33.00	PASS
Band38	5MHz	256QAM	37775	1RB#0	18.74	17.48	33.00	PASS
Band38	5MHz	256QAM	37775	1RB#12	18.75	17.49	33.00	PASS
Band38	5MHz	256QAM	37775	1RB#24	18.66	17.40	33.00	PASS
Band38	5MHz	256QAM	37775	25RB#0	18.82	17.56	33.00	PASS
Band38	5MHz	256QAM	38000	1RB#0	18.74	17.48	33.00	PASS
Band38	5MHz	256QAM	38000	1RB#12	18.91	17.65	33.00	PASS
Band38	5MHz	256QAM	38000	1RB#24	18.88	17.62	33.00	PASS
Band38	5MHz	256QAM	38000	25RB#0	18.77	17.51	33.00	PASS
Band38	5MHz	256QAM	38225	1RB#0	18.95	17.69	33.00	PASS
Band38	5MHz	256QAM	38225	1RB#12	18.85	17.59	33.00	PASS
Band38	5MHz	256QAM	38225	1RB#24	18.78	17.52	33.00	PASS
Band38	5MHz	256QAM	38225	25RB#0	18.84	17.58	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.76	22.50	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.80	22.54	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.76	22.50	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.85	21.59	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	23.81	22.55	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	23.73	22.47	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	23.71	22.45	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	22.81	21.55	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	23.92	22.66	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	23.81	22.55	33.00	PASS



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Band38	10MHz	QPSK	38200	1RB#49	23.74	22.48	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	22.80	21.54	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.92	21.66	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.99	21.73	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.92	21.66	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	21.87	20.61	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	23.04	21.78	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.83	21.57	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.83	21.57	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	21.80	20.54	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.85	21.59	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	23.02	21.76	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.89	21.63	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	21.76	20.50	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	22.19	20.93	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	22.14	20.88	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#49	22.04	20.78	33.00	PASS
Band38	10MHz	64QAM	37800	50RB#0	20.82	19.56	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	22.08	20.82	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	22.10	20.84	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	22.10	20.84	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	20.78	19.52	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	22.11	20.85	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	22.23	20.97	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	22.22	20.96	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	20.78	19.52	33.00	PASS
Band38	10MHz	256QAM	37800	1RB#0	18.85	17.59	33.00	PASS
Band38	10MHz	256QAM	37800	1RB#24	18.97	17.71	33.00	PASS
Band38	10MHz	256QAM	37800	1RB#49	18.94	17.68	33.00	PASS
Band38	10MHz	256QAM	37800	50RB#0	18.83	17.57	33.00	PASS
Band38	10MHz	256QAM	38000	1RB#0	18.82	17.56	33.00	PASS
Band38	10MHz	256QAM	38000	1RB#24	18.97	17.71	33.00	PASS



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Band38	10MHz	256QAM	38000	1RB#49	18.92	17.66	33.00	PASS
Band38	10MHz	256QAM	38000	50RB#0	18.78	17.52	33.00	PASS
Band38	10MHz	256QAM	38200	1RB#0	18.87	17.61	33.00	PASS
Band38	10MHz	256QAM	38200	1RB#24	18.96	17.70	33.00	PASS
Band38	10MHz	256QAM	38200	1RB#49	18.78	17.52	33.00	PASS
Band38	10MHz	256QAM	38200	50RB#0	18.80	17.54	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	23.58	22.32	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	23.57	22.31	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	23.50	22.24	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.72	21.46	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	23.65	22.39	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	23.56	22.30	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	23.53	22.27	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.63	21.37	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	23.71	22.45	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	23.66	22.40	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	23.54	22.28	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	22.65	21.39	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.53	21.27	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.69	21.43	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.62	21.36	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.70	20.44	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.53	21.27	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.54	21.28	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	22.55	21.29	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.66	20.40	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.72	21.46	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	22.81	21.55	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.61	21.35	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	21.66	20.40	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	21.83	20.57	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	21.89	20.63	33.00	PASS



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Band38	15MHz	64QAM	37825	75RB#0	20.72	19.46	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	21.82	20.56	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	21.85	20.59	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	21.72	20.46	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	20.65	19.39	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	21.89	20.63	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#38	21.88	20.62	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	22.02	20.76	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	20.64	19.38	33.00	PASS
Band38	15MHz	256QAM	37825	1RB#0	18.72	17.46	33.00	PASS
Band38	15MHz	256QAM	37825	1RB#38	18.72	17.46	33.00	PASS
Band38	15MHz	256QAM	37825	1RB#74	18.75	17.49	33.00	PASS
Band38	15MHz	256QAM	37825	75RB#0	18.71	17.45	33.00	PASS
Band38	15MHz	256QAM	38000	1RB#0	18.63	17.37	33.00	PASS
Band38	15MHz	256QAM	38000	1RB#38	18.67	17.41	33.00	PASS
Band38	15MHz	256QAM	38000	1RB#74	18.75	17.49	33.00	PASS
Band38	15MHz	256QAM	38000	75RB#0	18.64	17.38	33.00	PASS
Band38	15MHz	256QAM	38175	1RB#0	18.65	17.39	33.00	PASS
Band38	15MHz	256QAM	38175	1RB#38	18.86	17.60	33.00	PASS
Band38	15MHz	256QAM	38175	1RB#74	18.82	17.56	33.00	PASS
Band38	15MHz	256QAM	38175	75RB#0	18.64	17.38	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	23.51	22.25	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.61	22.35	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	23.50	22.24	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	22.66	21.40	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	23.66	22.40	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.60	22.34	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	23.61	22.35	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	22.60	21.34	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	23.78	22.52	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	23.67	22.41	33.00	PASS



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Band38	20MHz	QPSK	38150	1RB#99	23.53	22.27	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	22.64	21.38	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	22.62	21.36	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.64	21.38	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	22.53	21.27	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	21.67	20.41	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	22.58	21.32	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	22.72	21.46	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	22.64	21.38	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	21.62	20.36	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	22.69	21.43	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	22.77	21.51	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	22.76	21.50	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	21.63	20.37	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	21.86	20.60	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	21.76	20.50	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	21.79	20.53	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	20.72	19.46	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	21.80	20.54	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	21.82	20.56	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	21.74	20.48	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	20.64	19.38	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	21.96	20.70	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#49	21.94	20.68	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	21.86	20.60	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	20.60	19.34	33.00	PASS
Band38	20MHz	256QAM	37850	1RB#0	18.69	17.43	33.00	PASS
Band38	20MHz	256QAM	37850	1RB#49	18.72	17.46	33.00	PASS
Band38	20MHz	256QAM	37850	1RB#99	18.66	17.40	33.00	PASS
Band38	20MHz	256QAM	37850	100RB#0	18.67	17.41	33.00	PASS
Band38	20MHz	256QAM	38000	1RB#0	18.70	17.44	33.00	PASS
Band38	20MHz	256QAM	38000	1RB#49	18.72	17.46	33.00	PASS



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Report No.: SEWM2311000447RG01

Rev.: 01

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Band38	20MHz	256QAM	38000	1RB#99	18.82	17.56	33.00	PASS
Band38	20MHz	256QAM	38000	100RB#0	18.59	17.33	33.00	PASS
Band38	20MHz	256QAM	38150	1RB#0	18.66	17.40	33.00	PASS
Band38	20MHz	256QAM	38150	1RB#49	18.69	17.43	33.00	PASS
Band38	20MHz	256QAM	38150	1RB#99	18.77	17.51	33.00	PASS
Band38	20MHz	256QAM	38150	100RB#0	18.58	17.32	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
Band38	20MHz	QPSK	37850	100RB#0	8.72	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	9.54	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	9.34	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.32	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.50	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.40	13	PASS
Band38	20MHz	64QAM	37850	100RB#0	9.64	13	PASS
Band38	20MHz	64QAM	38000	100RB#0	9.88	13	PASS
Band38	20MHz	64QAM	38150	100RB#0	9.72	13	PASS
Band38	20MHz	256QAM	37850	100RB#0	10.12	13	PASS
Band38	20MHz	256QAM	38000	100RB#0	10.02	13	PASS
Band38	20MHz	256QAM	38150	100RB#0	9.96	13	PASS



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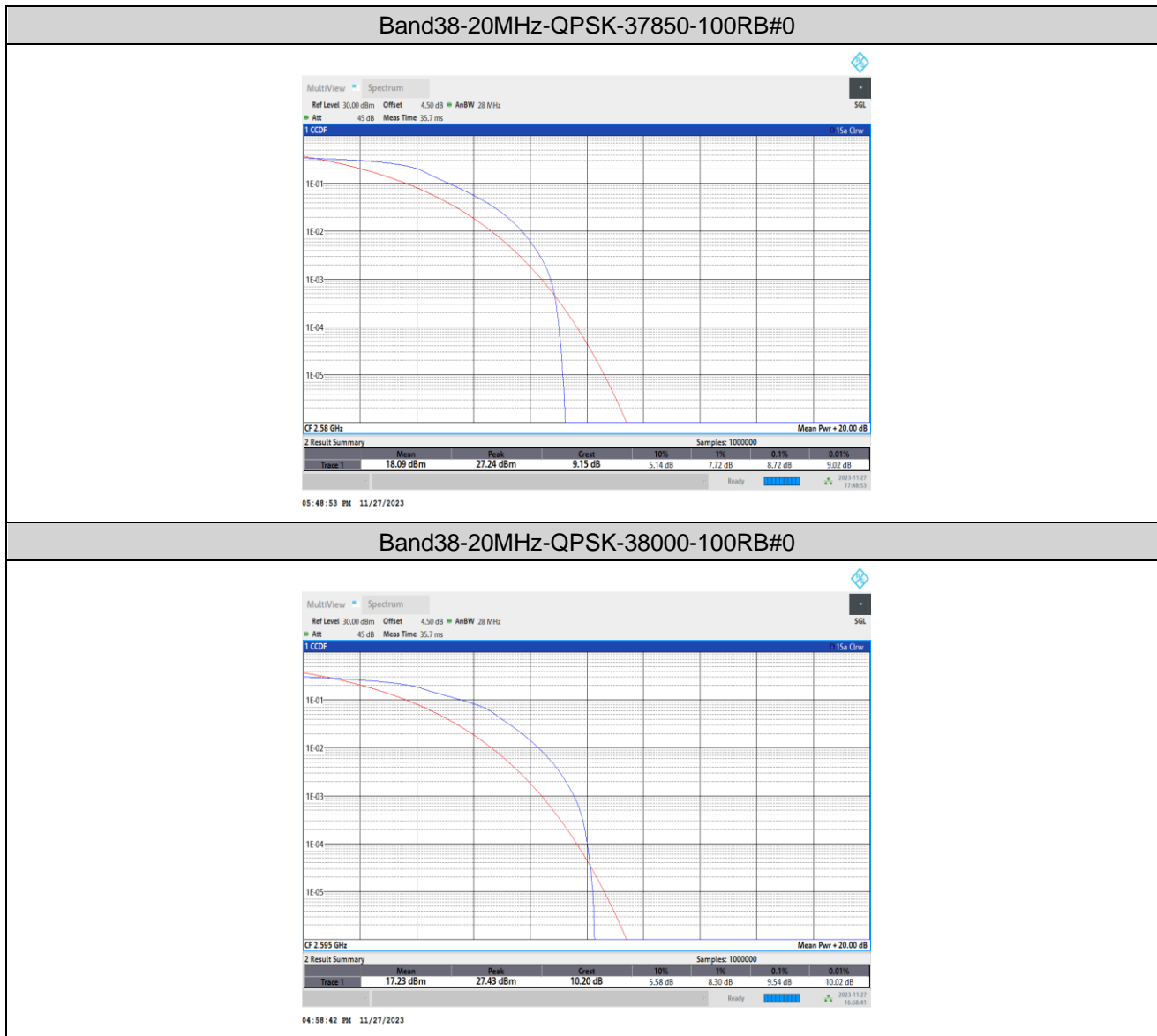
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Test Graphs

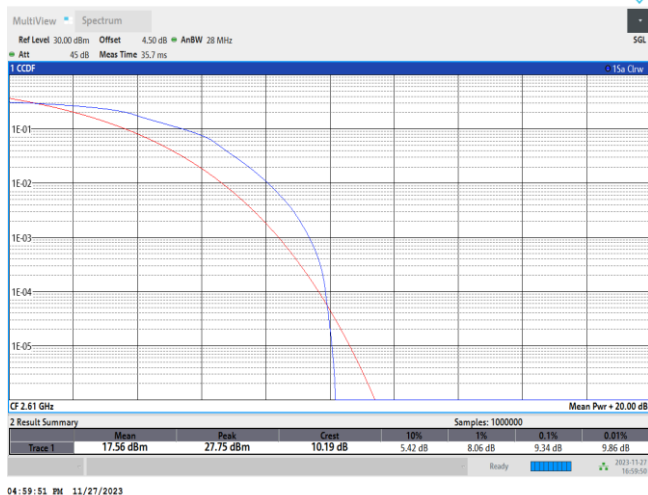


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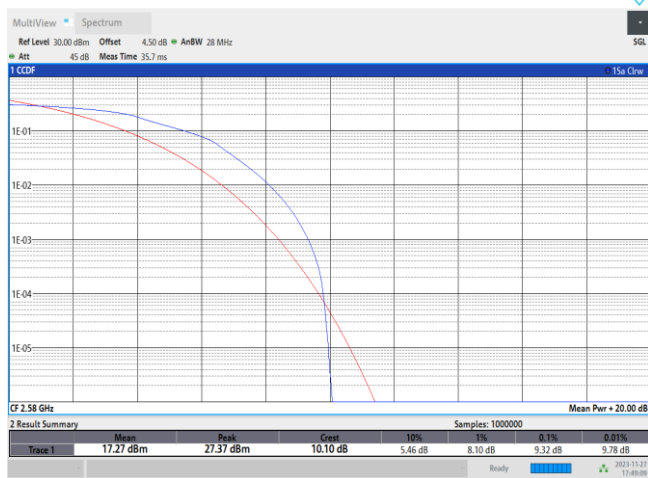
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Band38-20MHz-QPSK-38150-100RB#0



04:59:51 PM 11/27/2023

Band38-20MHz-16QAM-37850-100RB#0



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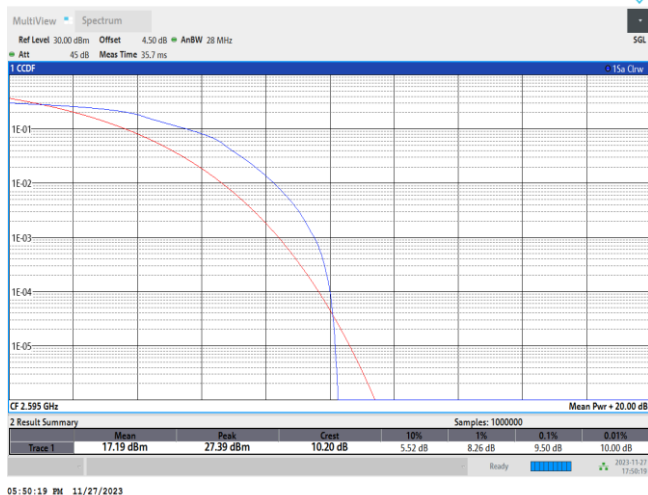


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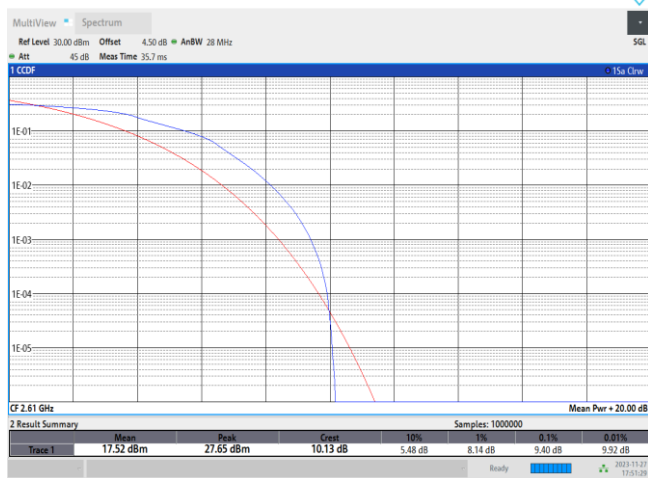
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Band38-20MHz-16QAM-38000-100RB#0



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Band38-20MHz-16QAM-38150-100RB#0



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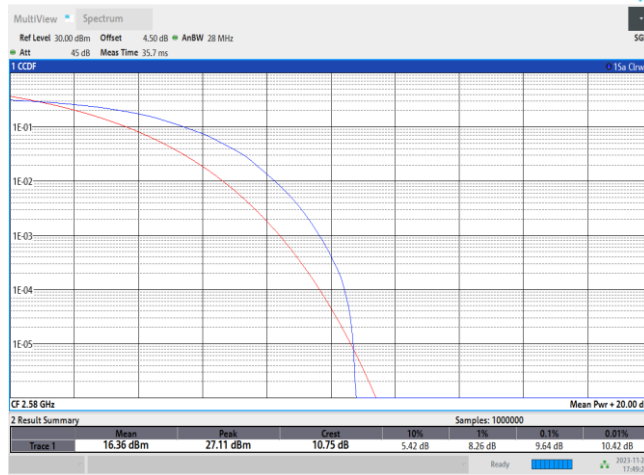


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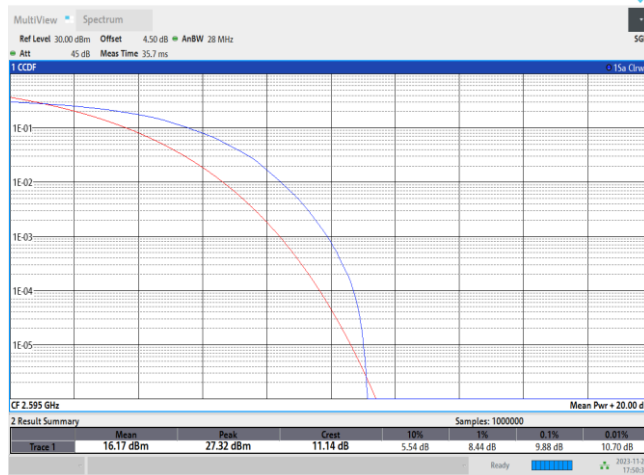
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Band38-20MHz-64QAM-37850-100RB#0



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Band38-20MHz-64QAM-38000-100RB#0



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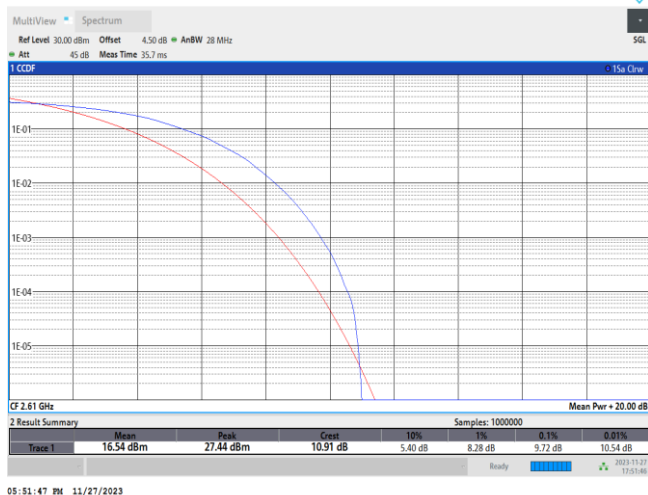


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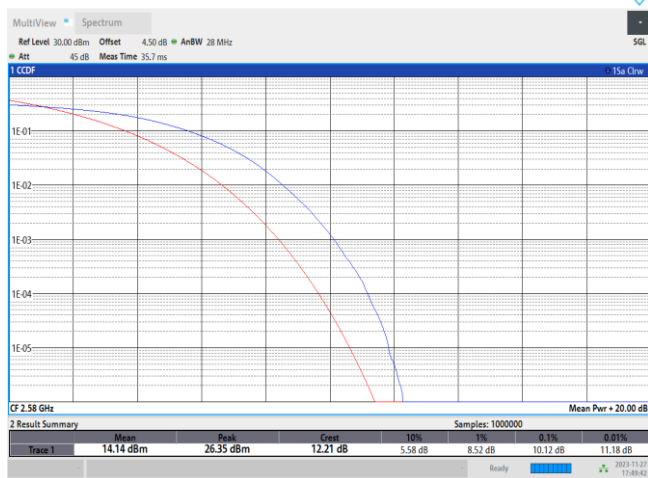
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Band38-20MHz-64QAM-38150-100RB#0



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Band38-20MHz-256QAM-37850-100RB#0



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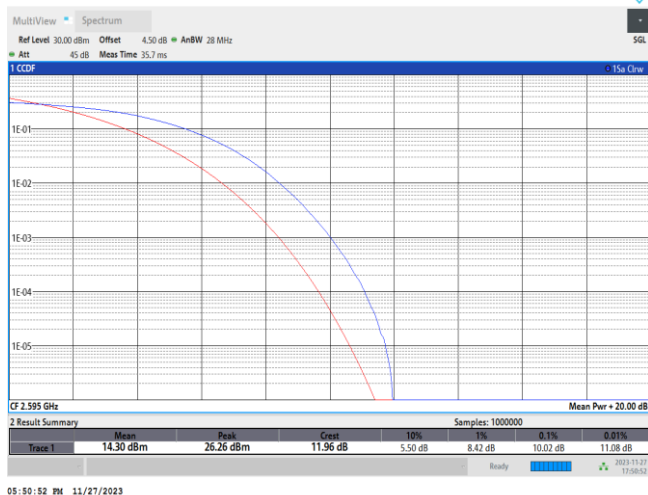


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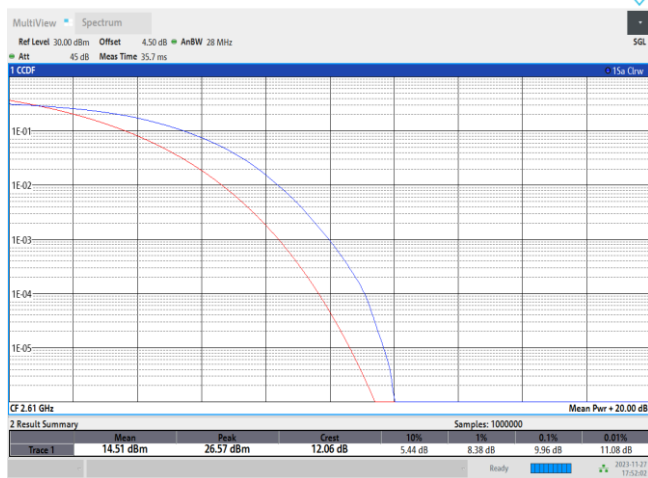
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Band38-20MHz-256QAM-38000-100RB#0



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Band38-20MHz-256QAM-38150-100RB#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
Band38	5MHz	QPSK	38000	25RB#0	4.447	4.88	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.482	4.90	PASS
Band38	5MHz	64QAM	38000	25RB#0	4.472	4.87	PASS
Band38	5MHz	256QAM	38000	25RB#0	4.467	4.97	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.934	9.74	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.957	9.70	PASS
Band38	10MHz	64QAM	38000	50RB#0	8.944	9.56	PASS
Band38	10MHz	256QAM	38000	50RB#0	8.973	9.68	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.461	14.85	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.536	15.06	PASS
Band38	15MHz	64QAM	38000	75RB#0	13.436	14.85	PASS
Band38	15MHz	256QAM	38000	75RB#0	13.432	14.52	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.841	19.16	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.919	19.56	PASS
Band38	20MHz	64QAM	38000	100RB#0	17.958	19.60	PASS
Band38	20MHz	256QAM	38000	100RB#0	17.876	19.64	PASS



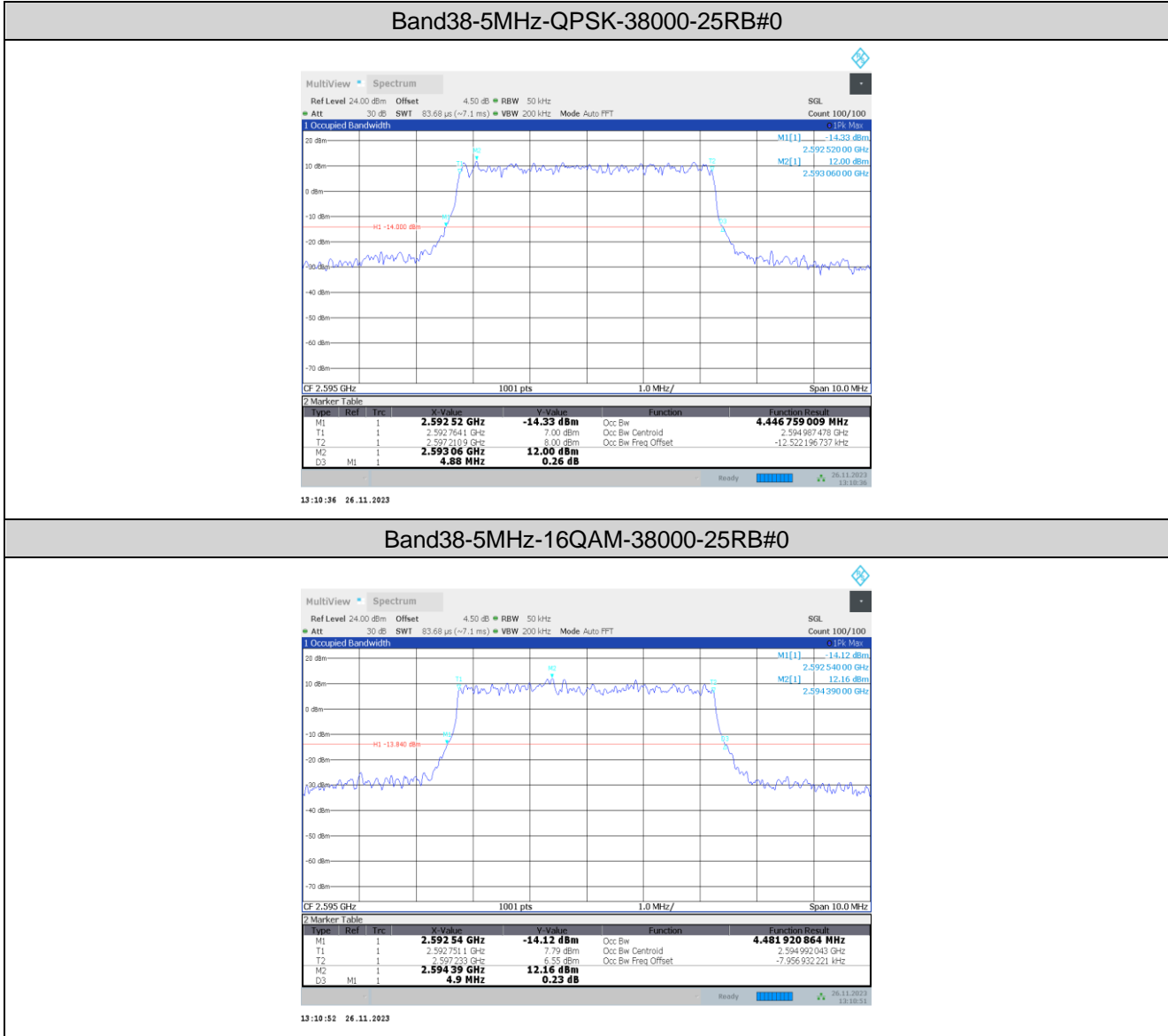
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Test Graphs

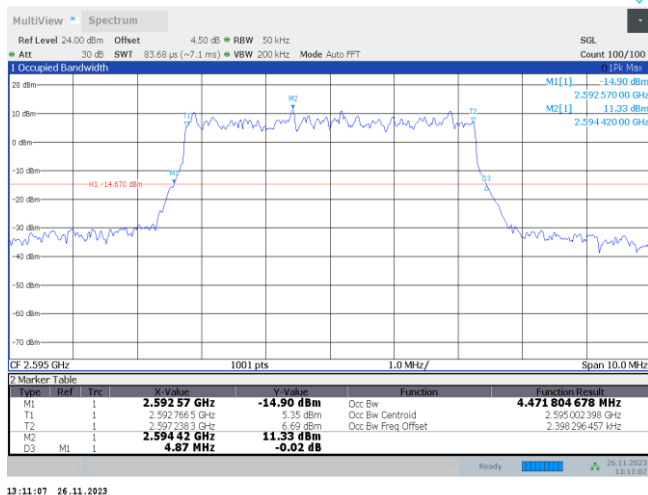


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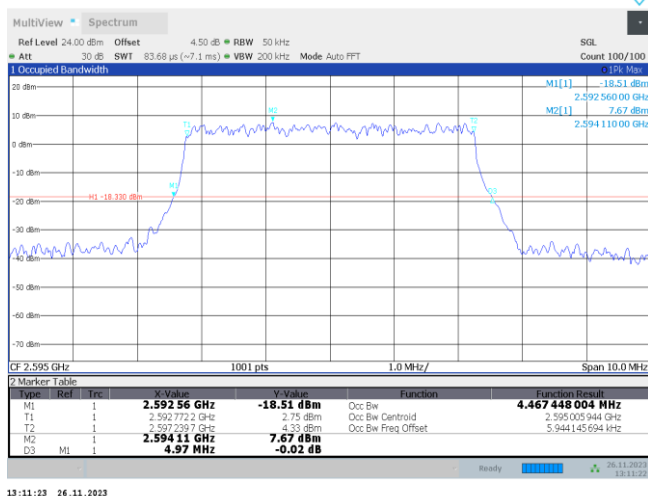
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Band38-5MHz-64QAM-38000-25RB#0



Band38-5MHz-256QAM-38000-25RB#0

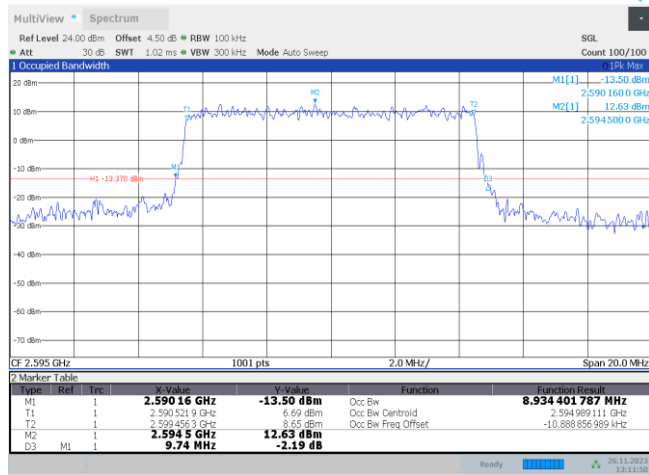


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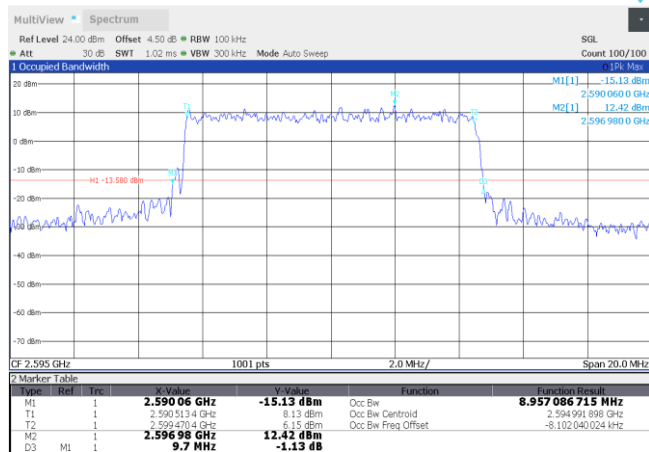
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Band38-10MHz-QPSK-38000-50RB#0



13:11:50 26.11.2023

Band38-10MHz-16QAM-38000-50RB#0



13:12:06 26.11.2023

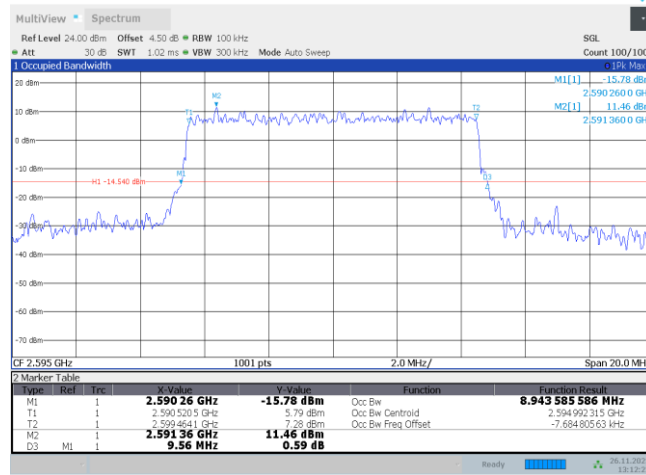


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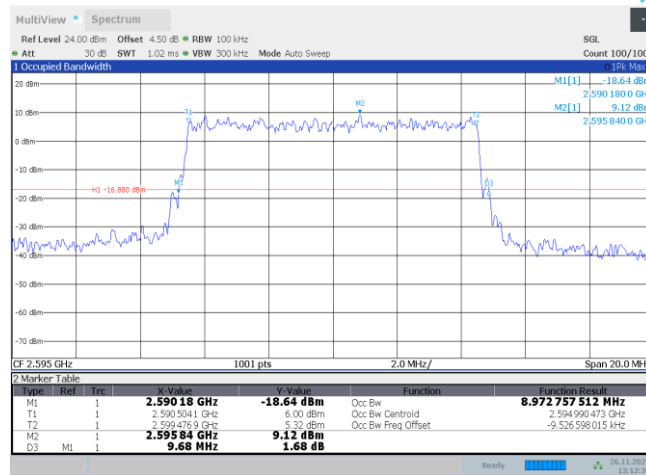
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Band38-10MHz-64QAM-38000-50RB#0



13:12:22 26.11.2023

Band38-10MHz-256QAM-38000-50RB#0



13:12:38 26.11.2023

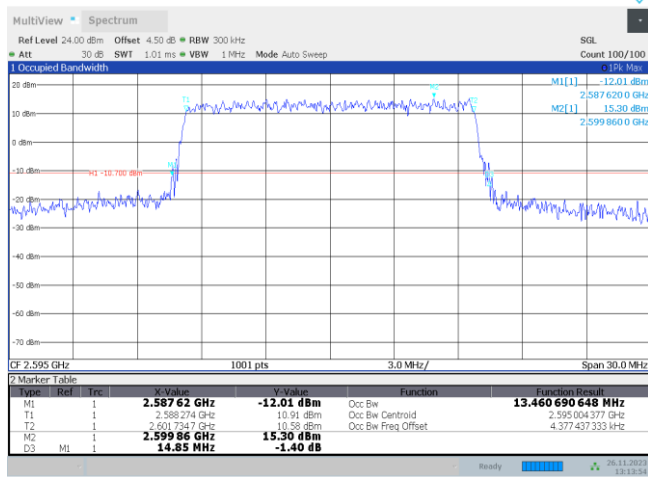


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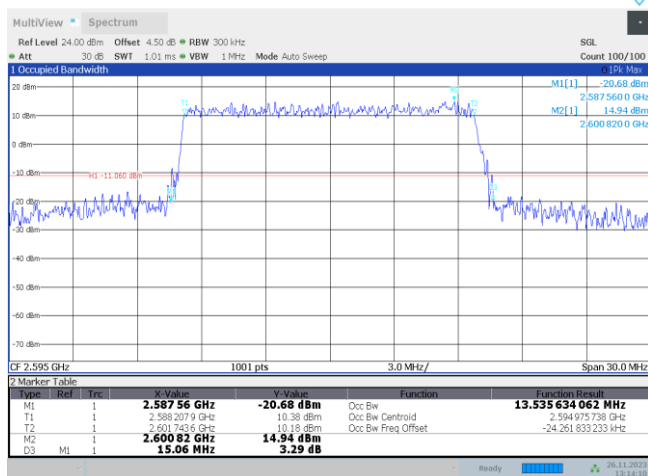
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Band38-15MHz-QPSK-38000-75RB#0



13:13:54 26.11.2023

Band38-15MHz-16QAM-38000-75RB#0



13:14:10 26.11.2023

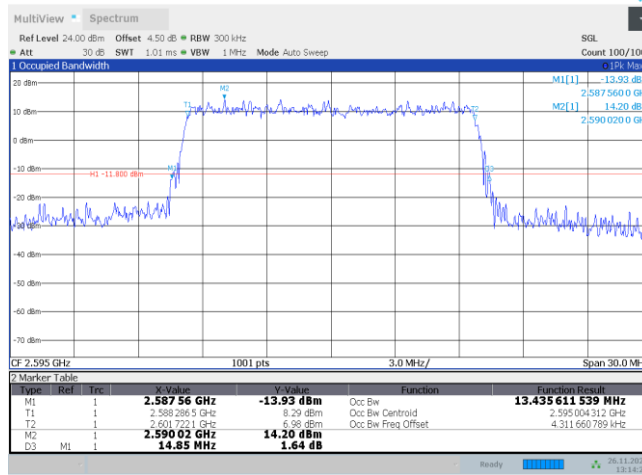


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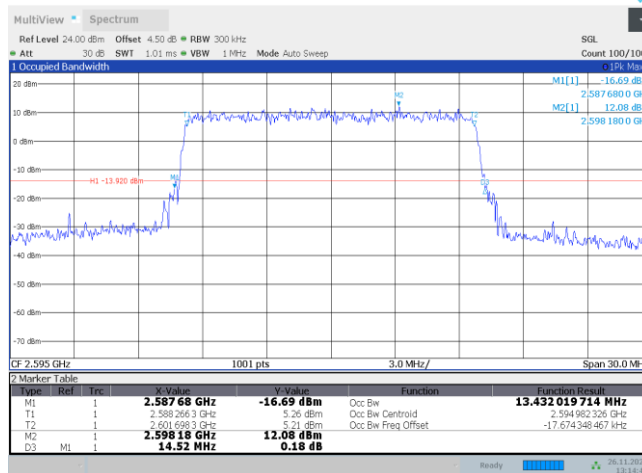
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Band38-15MHz-64QAM-38000-75RB#0



13:14:27 26.11.2023

Band38-15MHz-256QAM-38000-75RB#0



13:14:43 26.11.2023

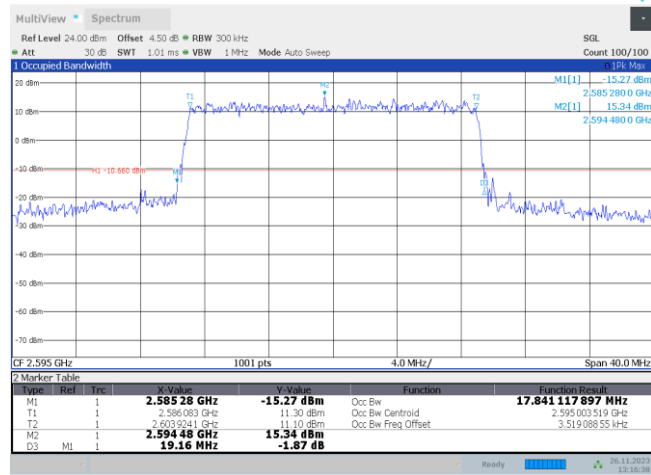


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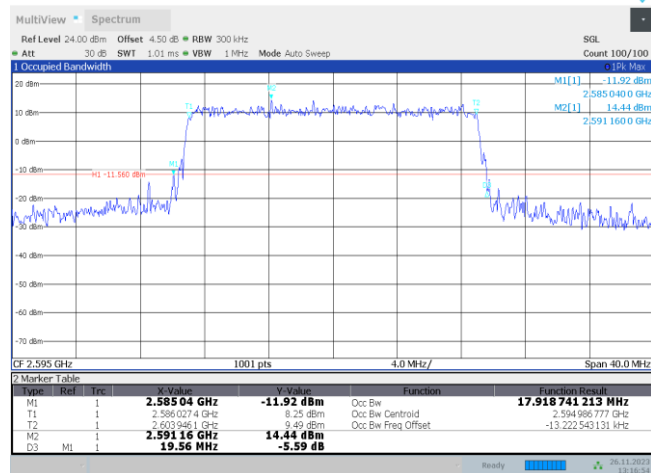
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Band38-20MHz-QPSK-38000-100RB#0



13:14:39 26.11.2023

Band38-20MHz-16QAM-38000-100RB#0



13:14:55 26.11.2023



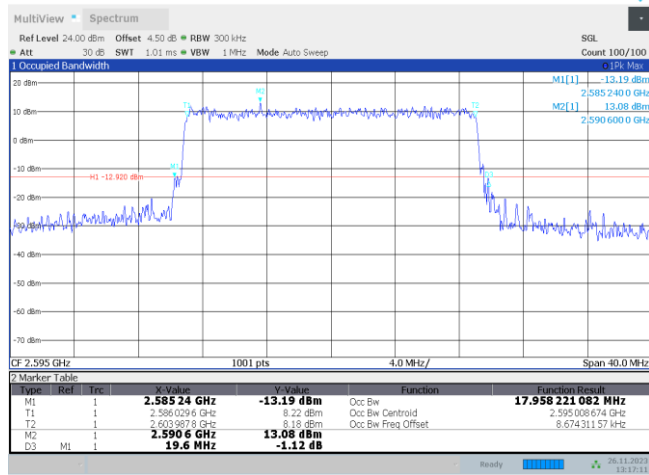
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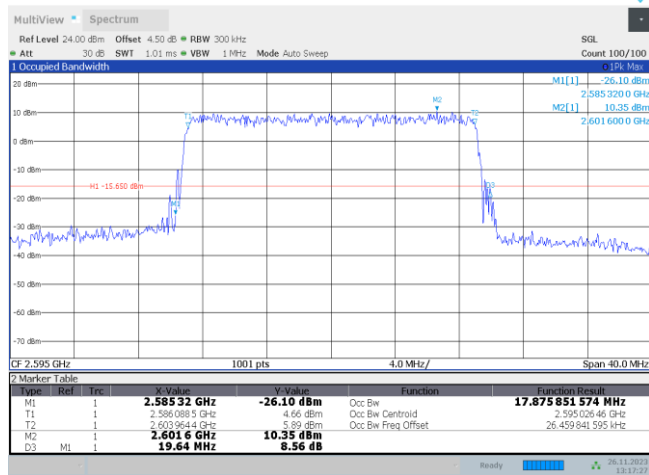
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Band38-20MHz-64QAM-38000-100RB#0



13-17-11 26.11.2023

Band38-20MHz-256QAM-38000-100RB#0



13-17-28 26.11.2023



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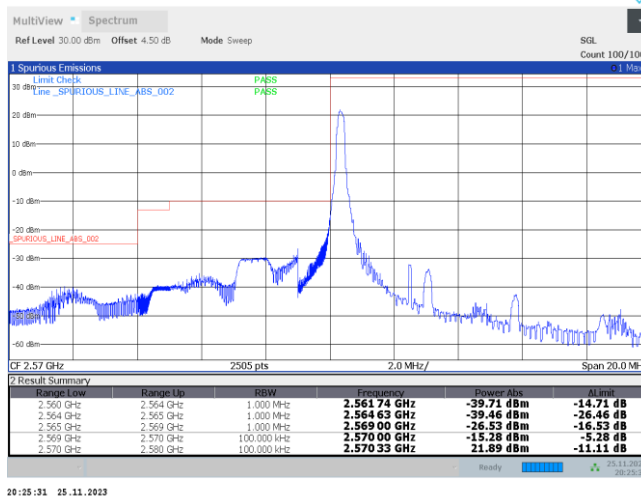
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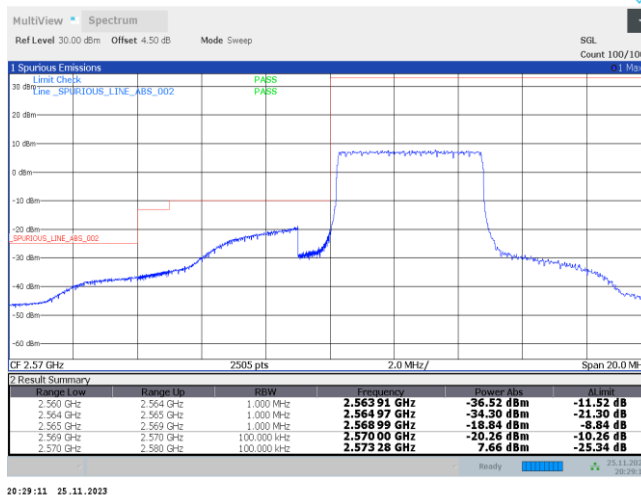
Band Edge

Test Graphs

Band38-5MHz-QPSK-37775-1RB#0



Band38-5MHz-QPSK-37775-25RB#0

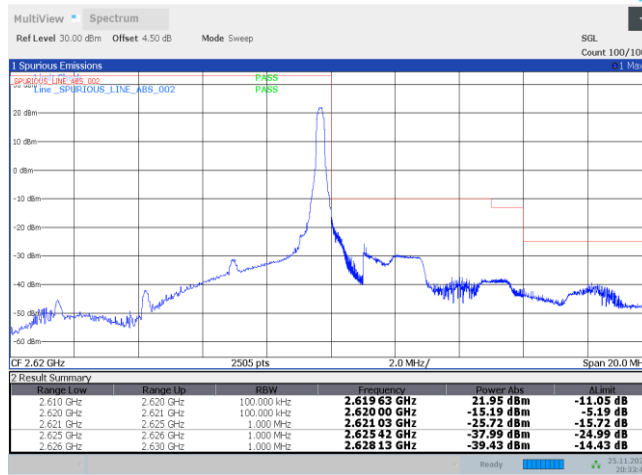


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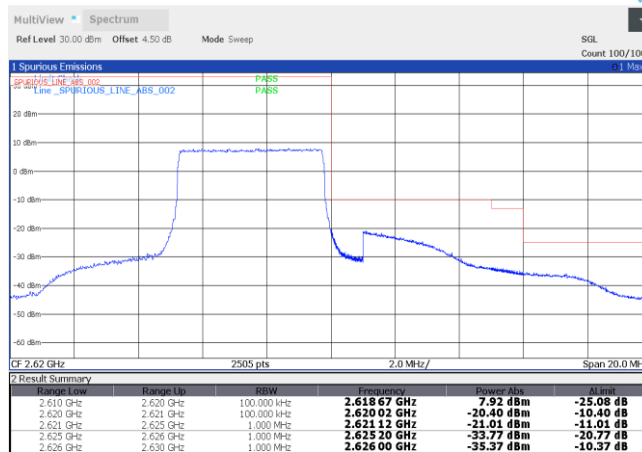
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Band38-5MHz-QPSK-38225-1RB#24



20:33:44 25.11.2023

Band38-5MHz-QPSK-38225-25RB#0



20:37:26 25.11.2023

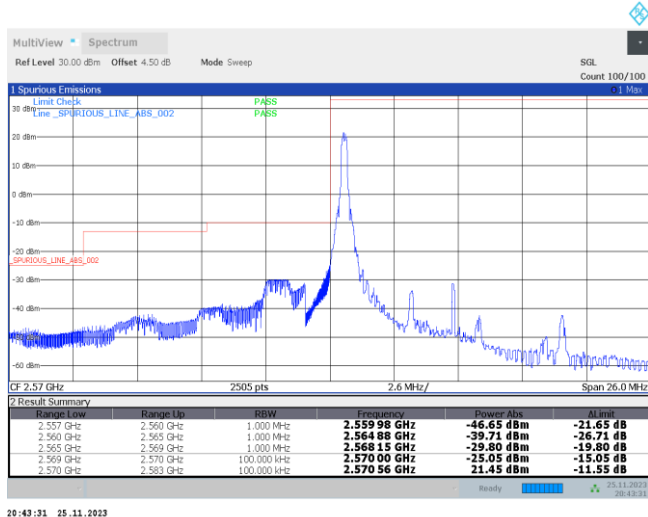


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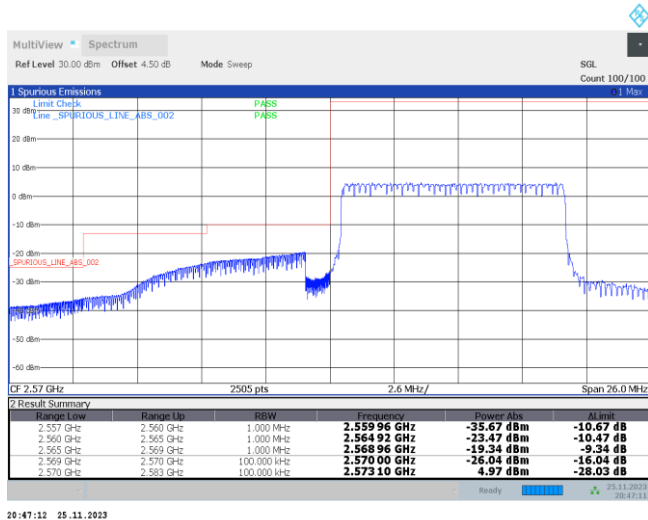
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Band38-10MHz-QPSK-37800-1RB#0



Band38-10MHz-QPSK-37800-50RB#0

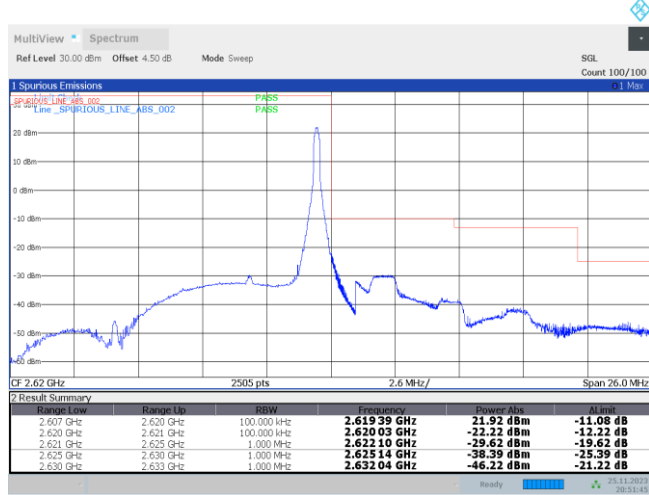


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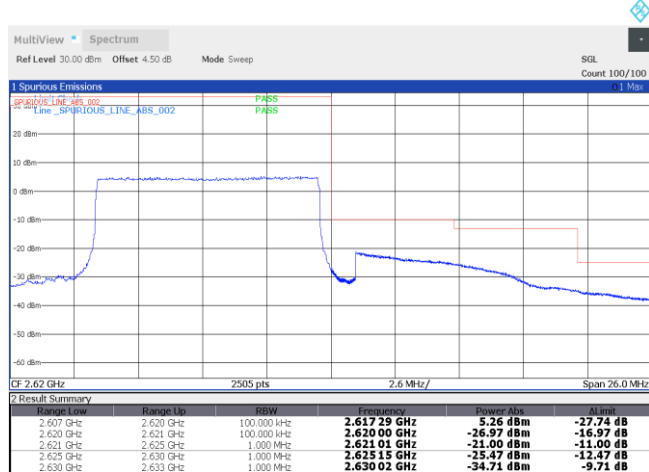
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Band38-10MHz-QPSK-38200-1RB#49



20:51:45 25.11.2023

Band38-10MHz-QPSK-38200-50RB#0



20:55:26 25.11.2023



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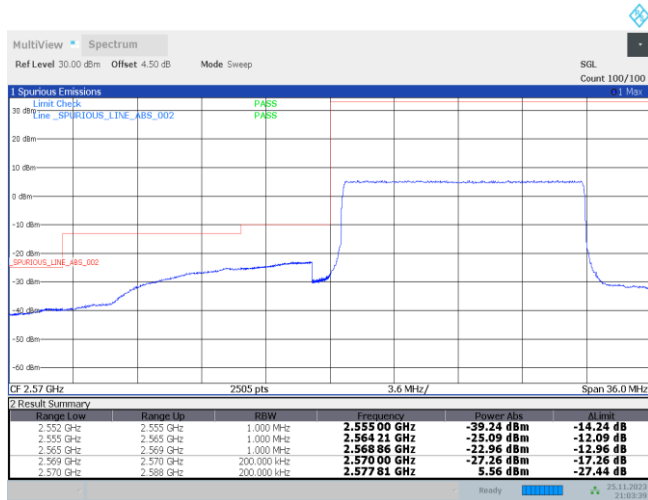
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Band38-15MHz-QPSK-37825-1RB#0



20:59:59 25.11.2023

Band38-15MHz-QPSK-37825-75RB#0



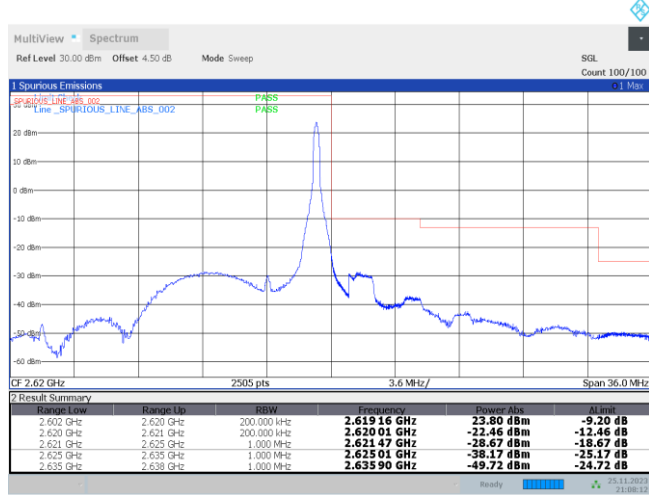
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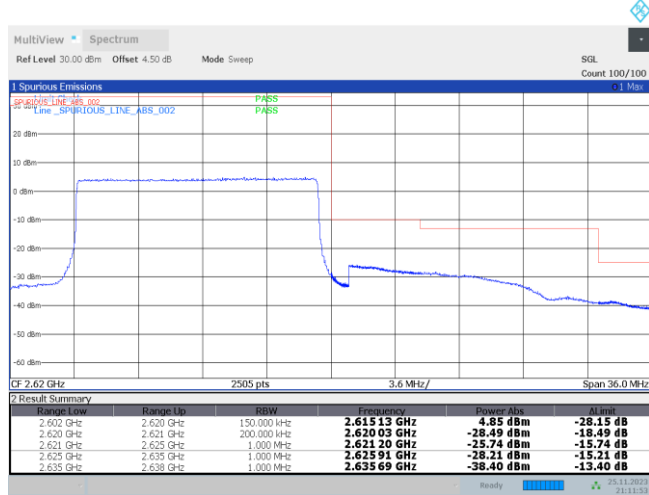
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Band38-15MHz-QPSK-38175-1RB#74



21:08:13 25.11.2023

Band38-15MHz-QPSK-38175-75RB#0



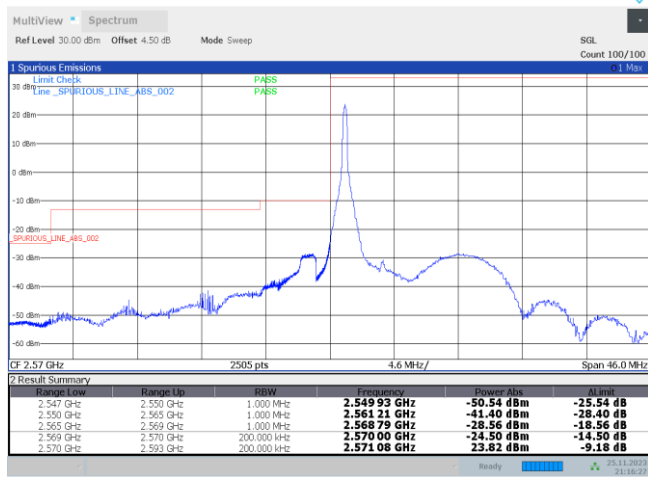
21:11:54 25.11.2023



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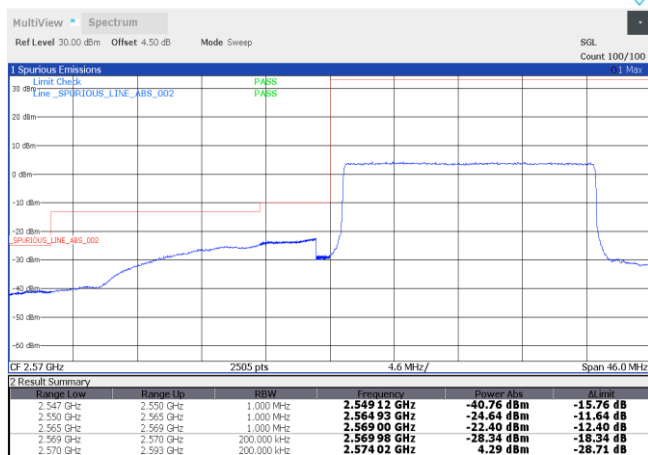
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Band38-20MHz-QPSK-37850-1RB#0



21:14:28 25.11.2023

Band38-20MHz-QPSK-37850-100RB#0



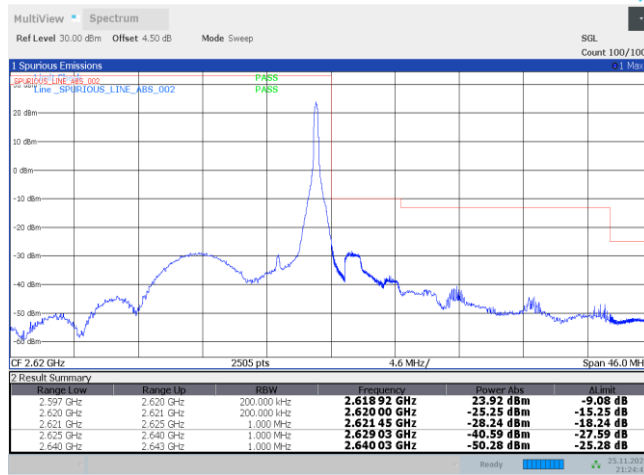
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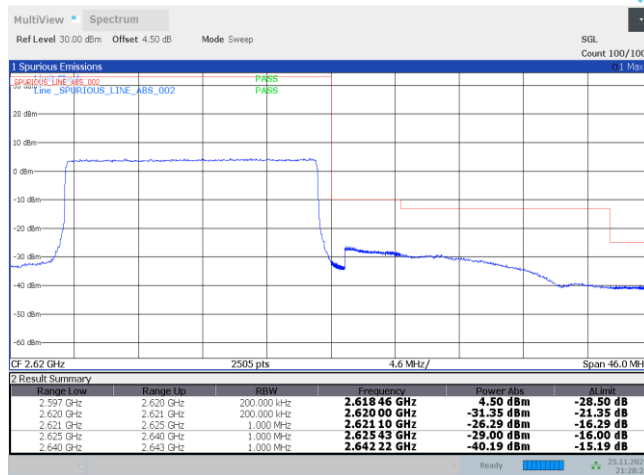
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Band38-20MHz-QPSK-38150-1RB#99



21:24:44 25.11.2023

Band38-20MHz-QPSK-38150-100RB#0



21:28:26 25.11.2023



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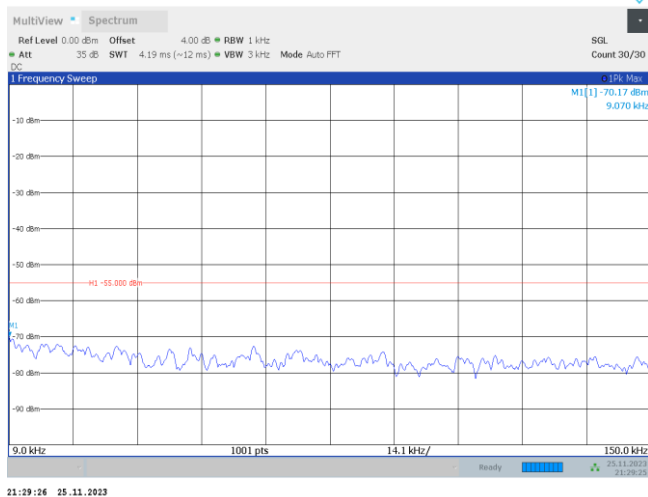
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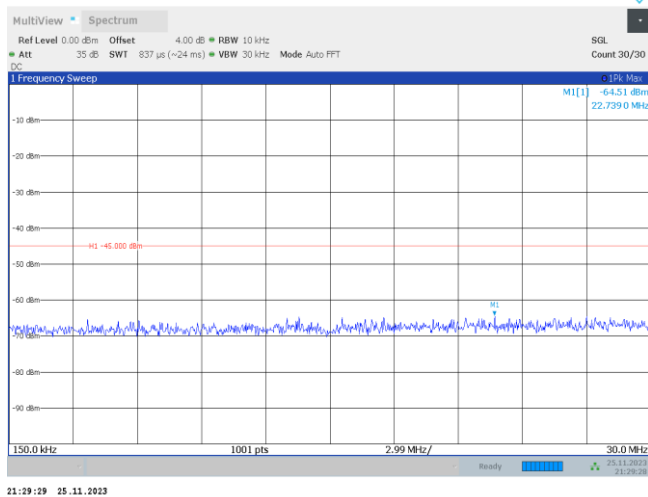
Conducted Spurious Emission

Test Graphs

Band38-20MHz-QPSK-37850-1RB#0-Range1:0.009~0.15MHz



Band38-20MHz-QPSK-37850-1RB#0-Range2:0.15~30MHz



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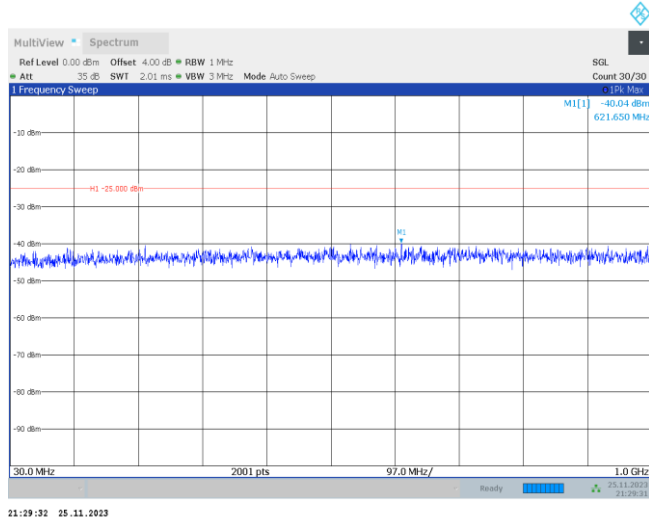
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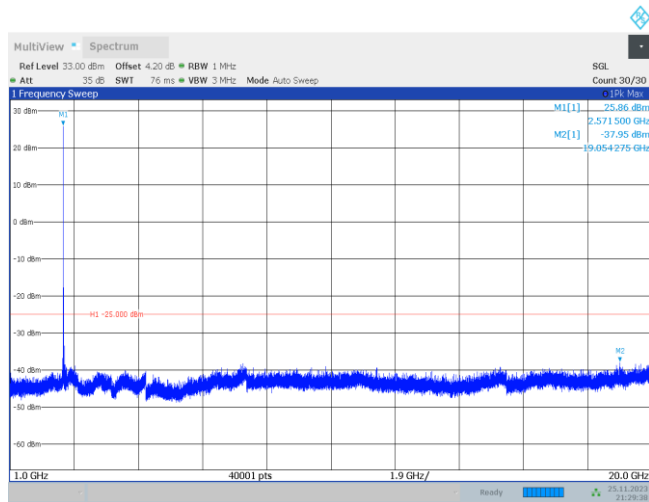
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Band38-20MHz-QPSK-37850-1RB#0-Range3:30~1000MHz



21:29:32 25.11.2023

Band38-20MHz-QPSK-37850-1RB#0-Range4:1000~20000MHz



21:29:39 25.11.2023



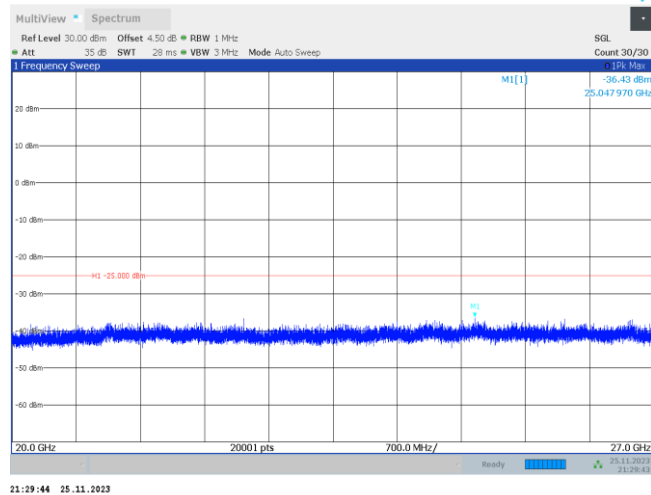
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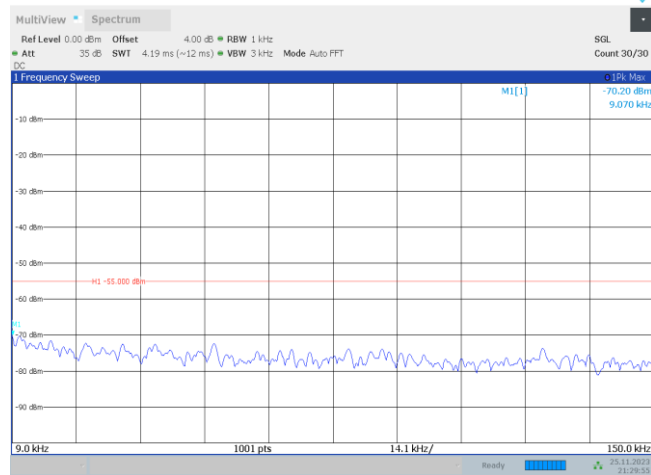
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Band38-20MHz-QPSK-37850-1RB#0-Range5:20000~27000MHz



21:29:44 25.11.2023

Band38-20MHz-QPSK-38000-1RB#0-Range1:0.009~0.15MHz



21:29:54 25.11.2023



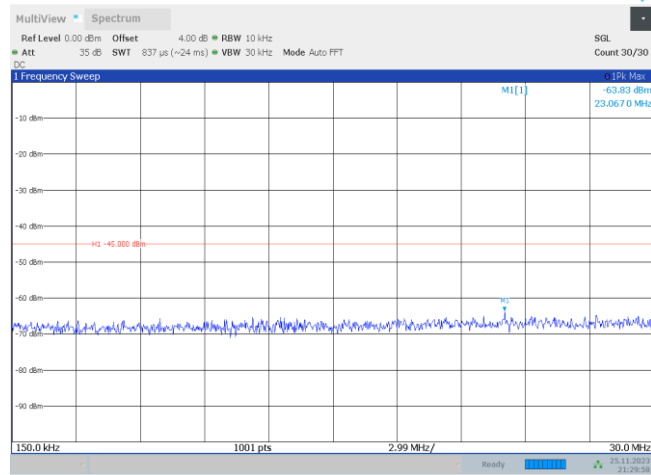
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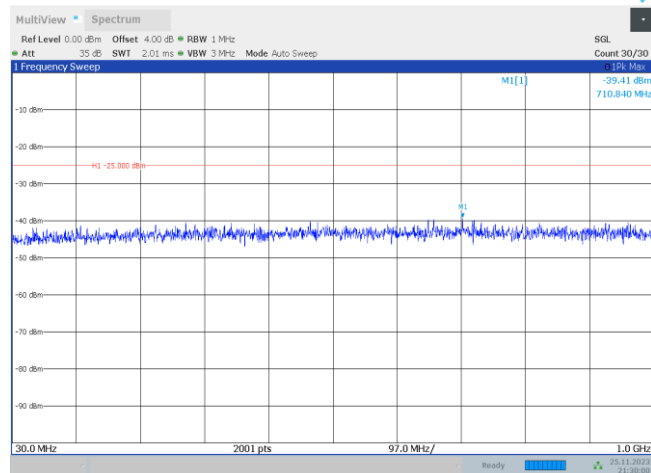
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Band38-20MHz-QPSK-38000-1RB#0-Range2:0.15~30MHz



21:29:59 25.11.2023

Band38-20MHz-QPSK-38000-1RB#0-Range3:30~1000MHz



21:30:01 25.11.2023



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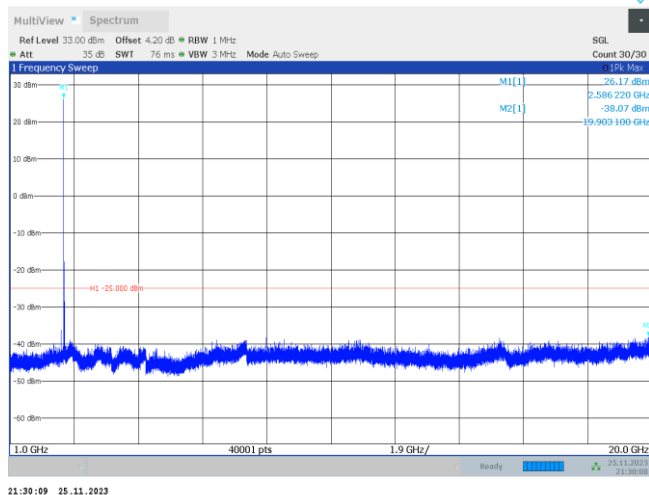
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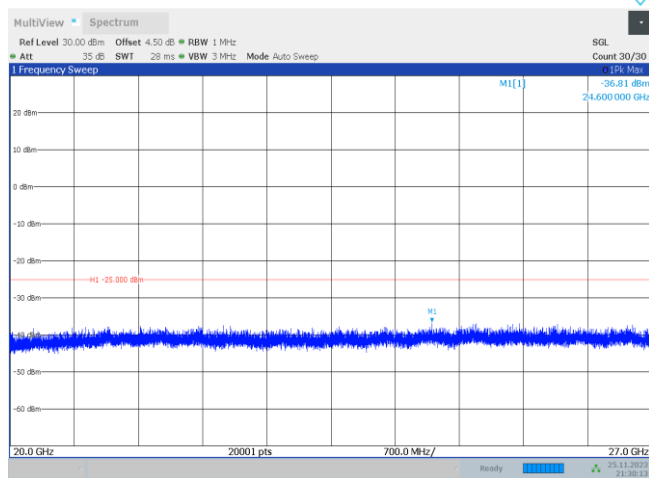
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Band38-20MHz-QPSK-38000-1RB#0-Range4:1000~20000MHz



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Band38-20MHz-QPSK-38000-1RB#0-Range5:20000~27000MHz



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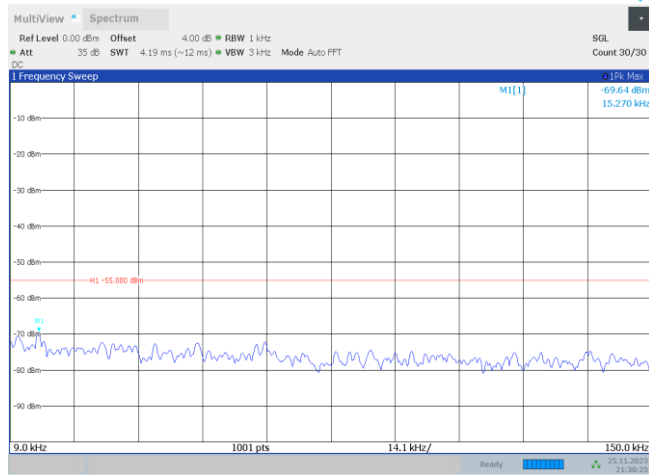


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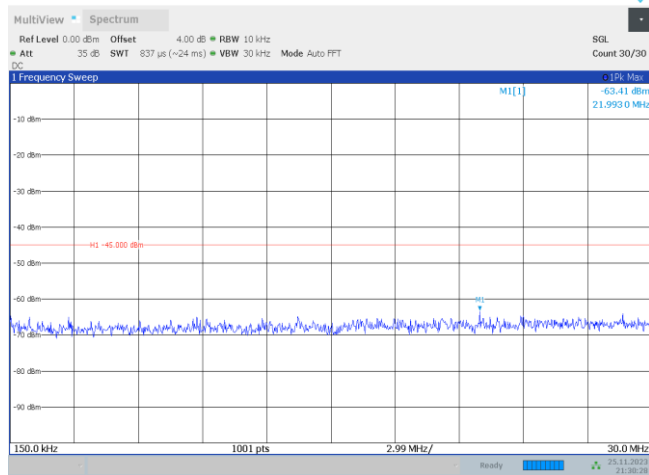
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Band38-20MHz-QPSK-38150-1RB#0-Range1:0.009~0.15MHz



21:30:26 25.11.2023

Band38-20MHz-QPSK-38150-1RB#0-Range2:0.15~30MHz



21:30:29 25.11.2023

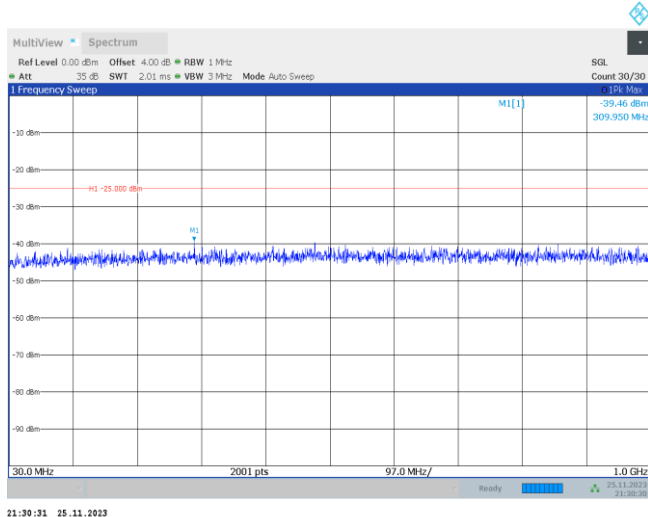


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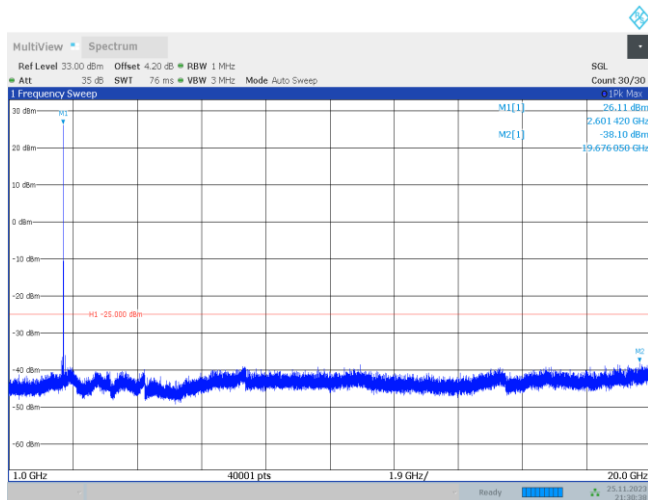
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Band38-20MHz-QPSK-38150-1RB#0-Range3:30~1000MHz



21:30:31 25.11.2023

Band38-20MHz-QPSK-38150-1RB#0-Range4:1000~20000MHz



21:30:39 25.11.2023

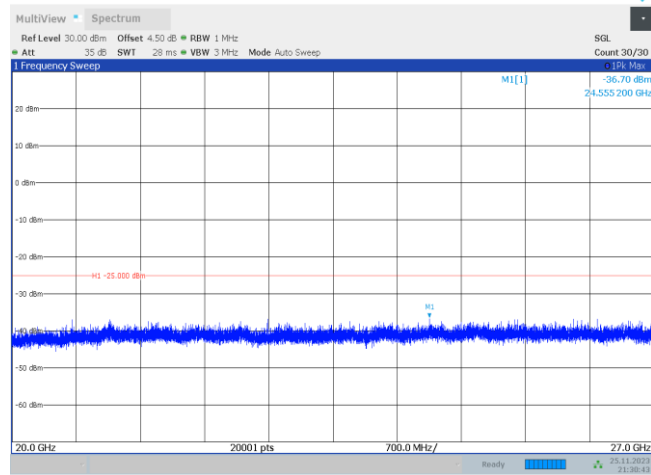


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Band38-20MHz-QPSK-38150-1RB#0-Range5:20000~27000MHz



21:30:44 25.11.2023



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Field Strength of Spurious Radiation

Test Band = LTE Band38_ 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	5142.1800	39.42	-45.33	31.74	-69.43	-25.00	44.43	Horizontal
2	7713.2700	37.66	-43.01	36.69	-63.93	-25.00	38.93	Horizontal
3	10284.3600	31.62	-39.15	38.34	-64.45	-25.00	39.45	Horizontal
4	12855.4500	26.98	-36.99	39.06	-66.21	-25.00	41.21	Horizontal
5	15426.5400	25.81	-34.00	40.40	-63.04	-25.00	38.04	Horizontal
6	17997.6300	28.62	-34.58	46.79	-54.43	-25.00	29.43	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5142.1800	40.16	-45.33	31.74	-68.69	-25.00	43.69	Vertical
2	7713.2700	38.38	-43.01	36.69	-63.21	-25.00	38.21	Vertical
3	10284.3600	30.78	-39.15	38.34	-65.29	-25.00	40.29	Vertical
4	12855.4500	27.20	-36.99	39.06	-65.99	-25.00	40.99	Vertical
5	15426.5400	25.16	-34.00	40.40	-63.69	-25.00	38.69	Vertical
6	17997.6300	28.52	-34.58	46.79	-54.53	-25.00	29.53	Vertical



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Wireless Laboratory

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Member of the SGS Group (SGS SA)

Test Band = LTE Band38_ 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	4124	42.82	-45.76	29.40	-68.80	-25.00	43.80	Horizontal
2	5172.1800	40.35	-45.30	31.81	-68.40	-25.00	43.40	Horizontal
3	7758.2700	38.23	-42.65	36.70	-62.97	-25.00	37.97	Horizontal
4	10344.3600	31.47	-39.05	38.37	-64.47	-25.00	39.47	Horizontal
5	12930.4500	26.94	-37.18	39.08	-66.42	-25.00	41.42	Horizontal
6	15516.5400	24.67	-35.30	40.21	-65.68	-25.00	40.68	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4000.5	43.17	-46.04	29.10	-69.03	-25.00	44.03	Vertical
2	5172.1800	40.53	-45.30	31.81	-68.22	-25.00	43.22	Vertical
3	7758.2700	37.44	-42.65	36.70	-63.76	-25.00	38.76	Vertical
4	10344.3600	30.58	-39.05	38.37	-65.36	-25.00	40.36	Vertical
5	12930.4500	28.11	-37.18	39.08	-65.25	-25.00	40.25	Vertical
6	15516.5400	23.67	-35.30	40.21	-66.68	-25.00	41.68	Vertical



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Test Band = LTE Band38_ 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	4083.5	42.40	-45.81	29.30	-69.37	-25.00	44.37	Horizontal
2	5202.1800	40.18	-45.28	31.89	-68.47	-25.00	43.47	Horizontal
3	7803.2700	37.01	-42.33	36.72	-63.86	-25.00	38.86	Horizontal
4	10404.3600	30.12	-39.00	38.40	-65.74	-25.00	40.74	Horizontal
5	13005.4500	25.99	-37.31	39.11	-67.47	-25.00	42.47	Horizontal
6	15606.5400	23.73	-34.87	40.03	-66.38	-25.00	41.38	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3868	43.56	-46.16	28.97	-68.90	-25.00	43.90	Vertical
2	5202.1800	40.19	-45.28	31.89	-68.46	-25.00	43.46	Vertical
3	7803.2700	38.18	-42.33	36.72	-62.69	-25.00	37.69	Vertical
4	10404.3600	30.15	-39.00	38.40	-65.71	-25.00	40.71	Vertical
5	13005.4500	25.74	-37.31	39.11	-67.72	-25.00	42.72	Vertical
6	15606.5400	24.21	-34.87	40.03	-65.90	-25.00	40.90	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
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	-3.50	-0.001349	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-2.10	-0.000809	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	-1.90	-0.000732	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-1.90	-0.000732	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	0.00	0.000000	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-10	-1.10	-0.000424	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	-2.60	-0.001002	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	0.10	0.000039	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	-1.40	-0.000539	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-0.40	-0.000154	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-2.50	-0.000963	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	-2.50	-0.000963	PASS

---End of Attachment---



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