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Appendix B.12

LTE Band 38



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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
Band38	5MHz	QPSK	37775	1RB#0	23.7	20.70	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	23.61	20.61	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	23.75	20.75	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.86	19.86	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	23.97	20.97	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	23.84	20.84	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	23.89	20.89	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	22.95	19.95	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	23.76	20.76	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	23.67	20.67	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	23.72	20.72	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	22.83	19.83	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.95	19.95	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.89	19.89	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.94	19.94	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.87	18.87	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	23.15	20.15	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	23.18	20.18	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	23.07	20.07	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	21.95	18.95	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	22.97	19.97	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.88	19.88	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.97	19.97	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	21.85	18.85	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	21.42	18.42	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	21.53	18.53	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	21.55	18.55	33.00	PASS



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Band38	5MHz	64QAM	37775	25RB#0	20.87	17.87	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	21.59	18.59	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	21.55	18.55	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	21.71	18.71	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	21.03	18.03	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#0	21.51	18.51	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	21.52	18.52	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	21.47	18.47	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	20.91	17.91	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.7	20.70	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.81	20.81	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.82	20.82	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.92	19.92	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	23.98	20.98	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	23.97	20.97	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	23.91	20.91	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	23.04	20.04	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	23.87	20.87	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	23.85	20.85	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	23.77	20.77	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	22.93	19.93	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.85	19.85	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.85	19.85	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.92	19.92	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	22	19.00	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	23.13	20.13	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	23.02	20.02	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	23.02	20.02	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	22.03	19.03	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	23.04	20.04	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.9	19.90	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.91	19.91	33.00	PASS



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Band38	10MHz	16QAM	38200	50RB#0	21.99	18.99	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	21.45	18.45	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	21.51	18.51	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#49	21.54	18.54	33.00	PASS
Band38	10MHz	64QAM	37800	50RB#0	20.99	17.99	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	21.65	18.65	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	21.68	18.68	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	21.65	18.65	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	21.03	18.03	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	21.61	18.61	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	21.54	18.54	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	21.53	18.53	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	20.99	17.99	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	23.57	20.57	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	23.76	20.76	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	23.84	20.84	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.83	19.83	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	23.86	20.86	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	23.9	20.90	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	23.87	20.87	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.86	19.86	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	23.79	20.79	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	23.77	20.77	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	23.72	20.72	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	22.81	19.81	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.75	19.75	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.89	19.89	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.96	19.96	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.87	18.87	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.99	19.99	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.99	19.99	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	23	20.00	33.00	PASS



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Band38	15MHz	16QAM	38000	75RB#0	21.9	18.90	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.94	19.94	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	22.88	19.88	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.88	19.88	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	21.84	18.84	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	21.26	18.26	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	21.44	18.44	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#74	21.49	18.49	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	20.84	17.84	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	21.45	18.45	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	21.55	18.55	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	21.52	18.52	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	20.89	17.89	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	21.45	18.45	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#38	21.44	18.44	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	21.45	18.45	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	20.85	17.85	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	23.62	20.62	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.81	20.81	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	23.79	20.79	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	22.84	19.84	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	23.86	20.86	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.9	20.90	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	23.79	20.79	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	22.85	19.85	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	23.83	20.83	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	23.77	20.77	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	23.7	20.70	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	22.85	19.85	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	22.78	19.78	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.9	19.90	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	22.94	19.94	33.00	PASS



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Band38	20MHz	16QAM	37850	100RB#0	21.9	18.90	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	22.98	19.98	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	23	20.00	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	22.96	19.96	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	21.89	18.89	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	22.97	19.97	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	22.93	19.93	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	22.86	19.86	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	21.88	18.88	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	21.29	18.29	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	21.43	18.43	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	21.46	18.46	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	20.85	17.85	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	21.46	18.46	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	21.54	18.54	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	21.48	18.48	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	20.89	17.89	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	21.49	18.49	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#49	21.45	18.45	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	21.39	18.39	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	20.84	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
Band38	20MHz	QPSK	37850	100RB#0	7.18	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	7.24	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	7.00	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	8.14	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	7.90	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	7.90	13	PASS
Band38	20MHz	64QAM	37850	100RB#0	8.62	13	PASS
Band38	20MHz	64QAM	38000	100RB#0	8.58	13	PASS
Band38	20MHz	64QAM	38150	100RB#0	8.40	13	PASS



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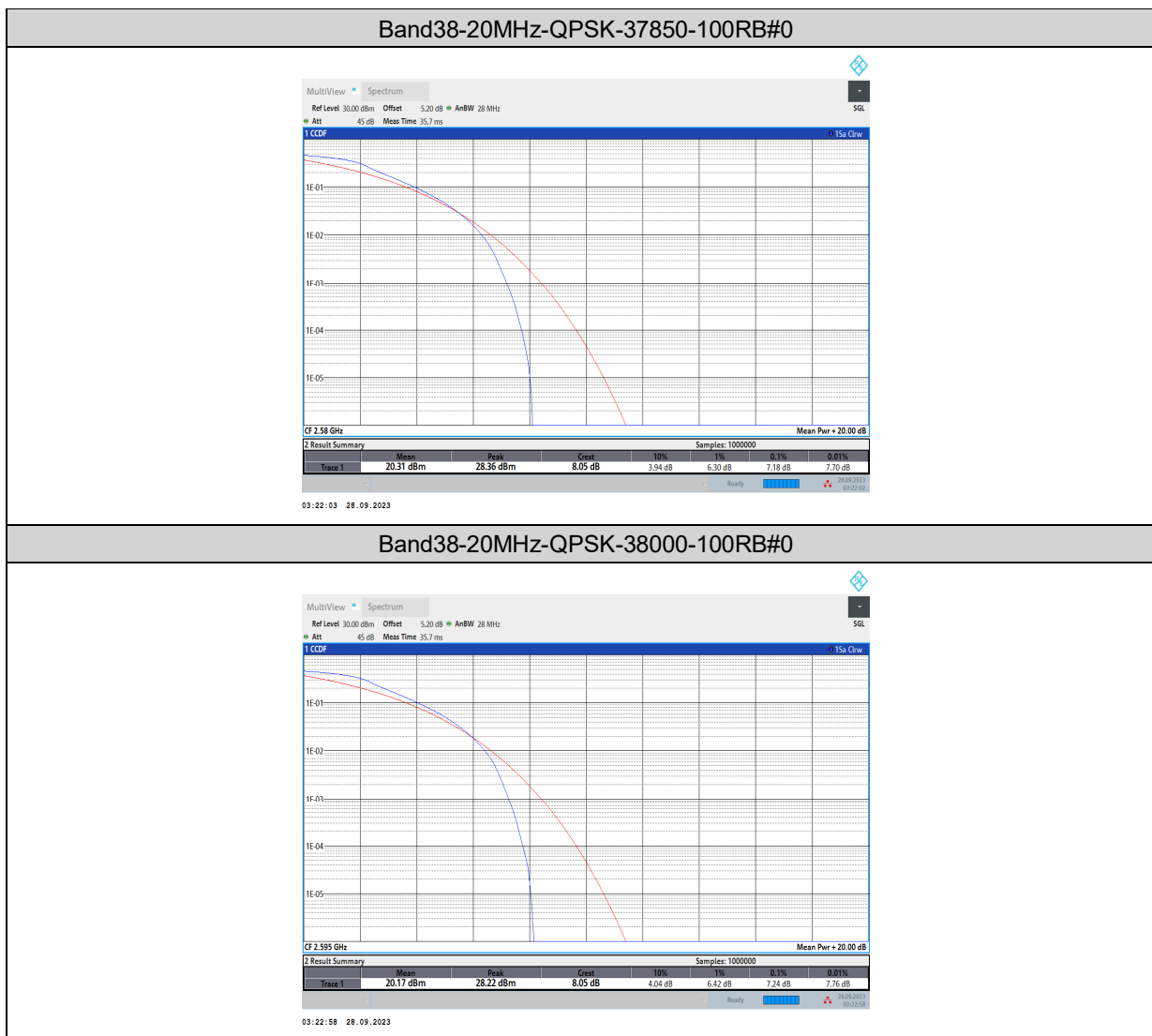
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Test Graphs



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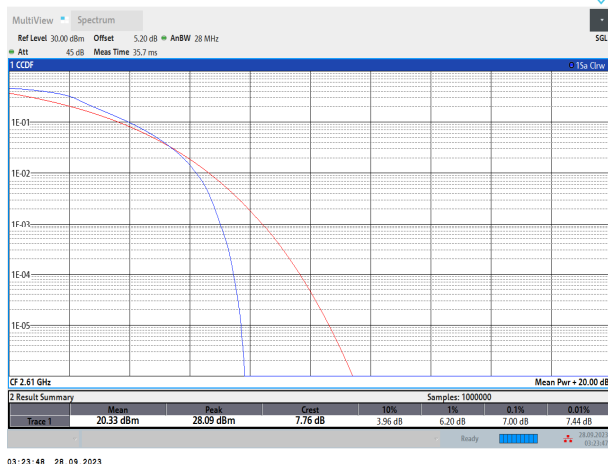
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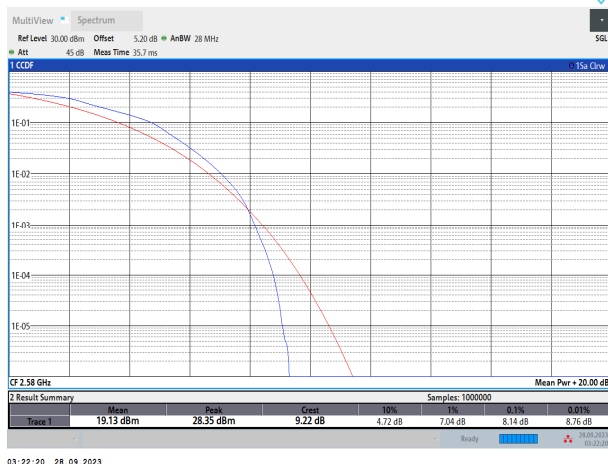
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Band38-20MHz-QPSK-38150-100RB#0



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



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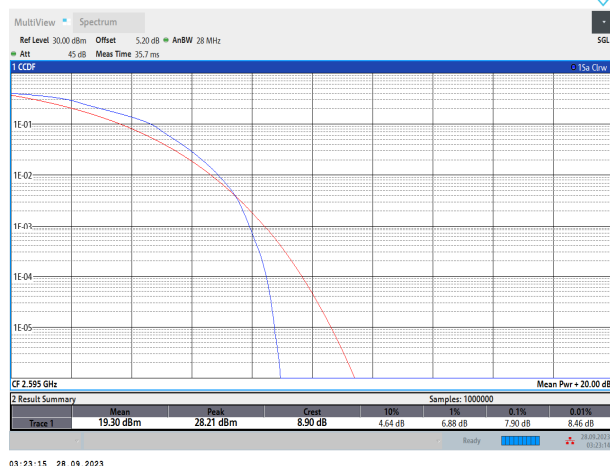
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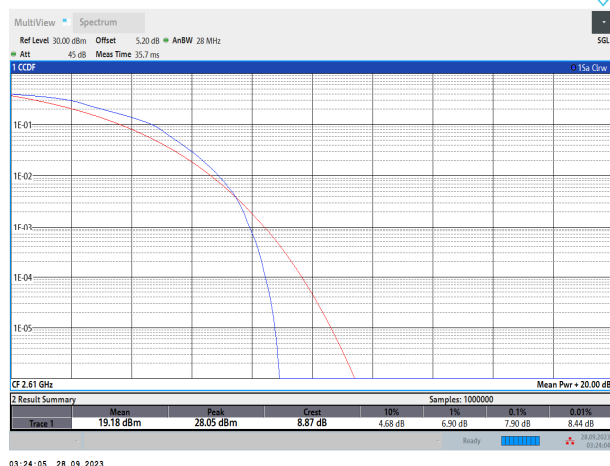
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Band38-20MHz-16QAM-38150-100RB#0



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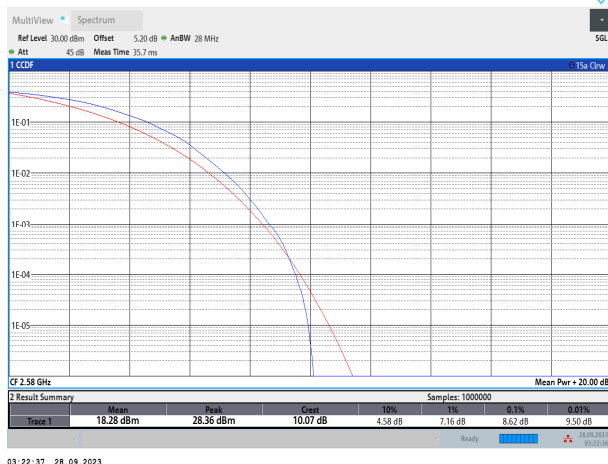
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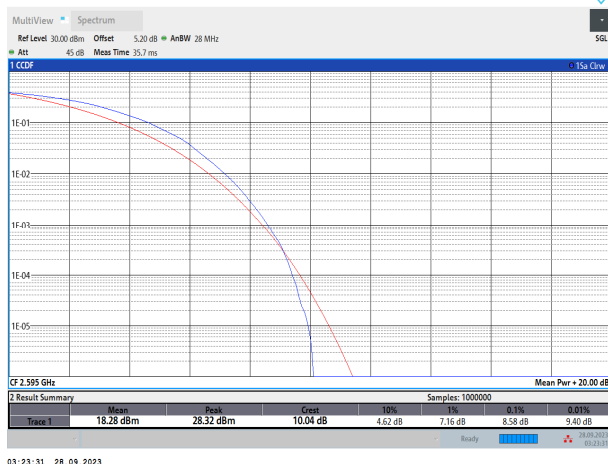
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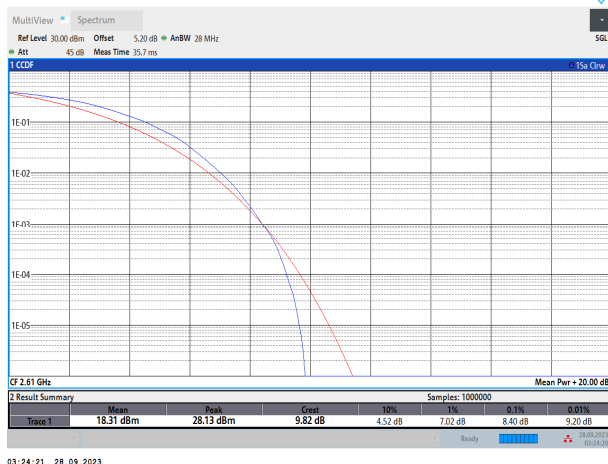
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Band38-20MHz-64QAM-38150-100RB#0



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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	4.473	4.87	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.471	4.91	PASS
Band38	5MHz	64QAM	38000	25RB#0	4.475	4.86	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.935	9.80	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.922	9.64	PASS
Band38	10MHz	64QAM	38000	50RB#0	8.937	9.64	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.497	15.96	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.482	15.60	PASS
Band38	15MHz	64QAM	38000	75RB#0	13.447	15.36	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.923	19.52	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.91	19.48	PASS
Band38	20MHz	64QAM	38000	100RB#0	17.891	19.96	PASS



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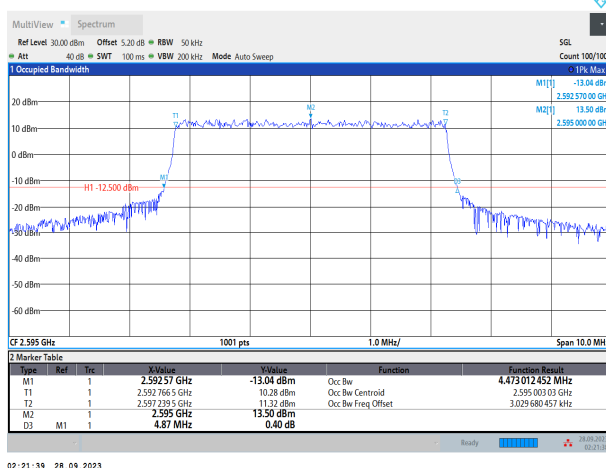
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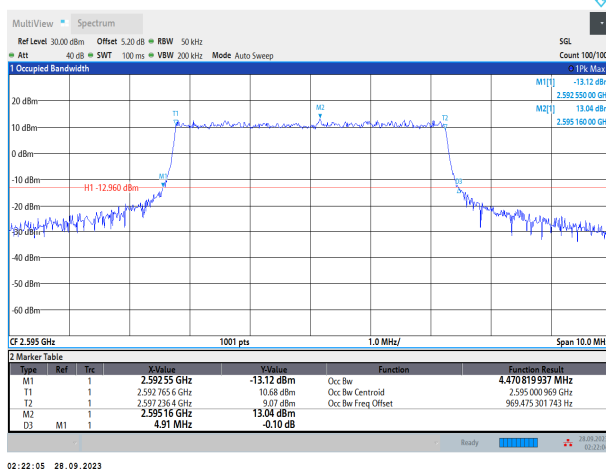
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Test Graphs

Band38-5MHz-QPSK-38000-25RB#0



Band38-5MHz-16QAM-38000-25RB#0

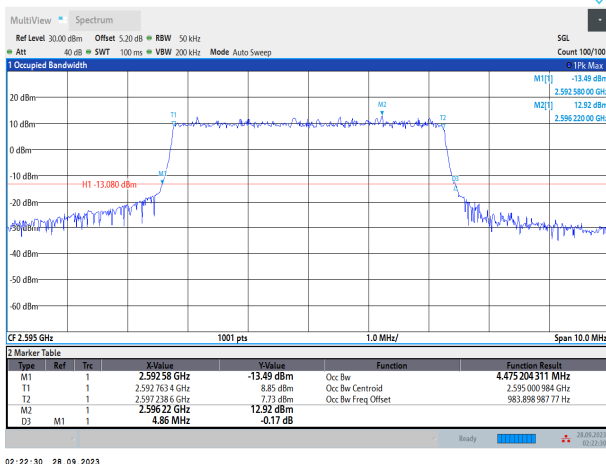


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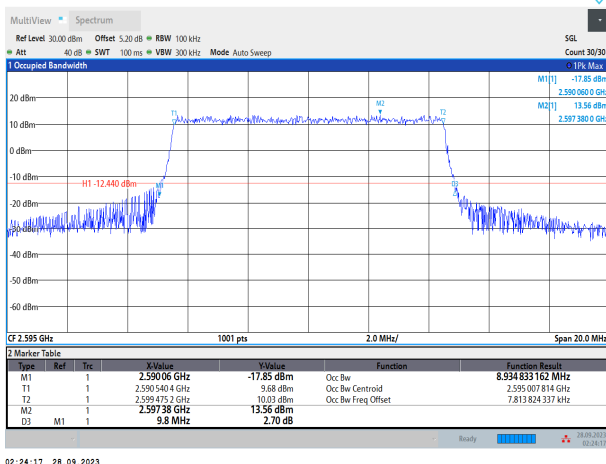
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Band38-5MHz-64QAM-38000-25RB#0



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



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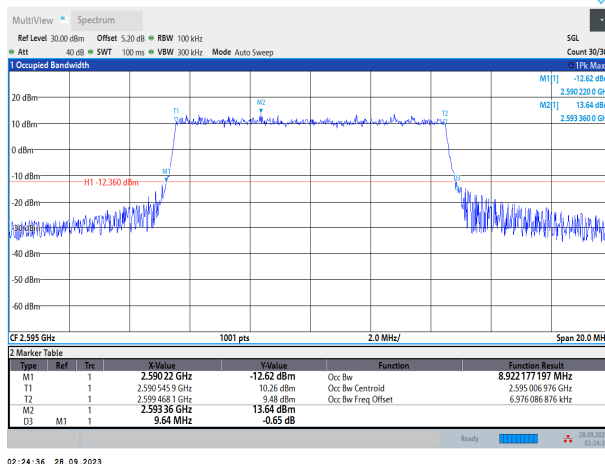
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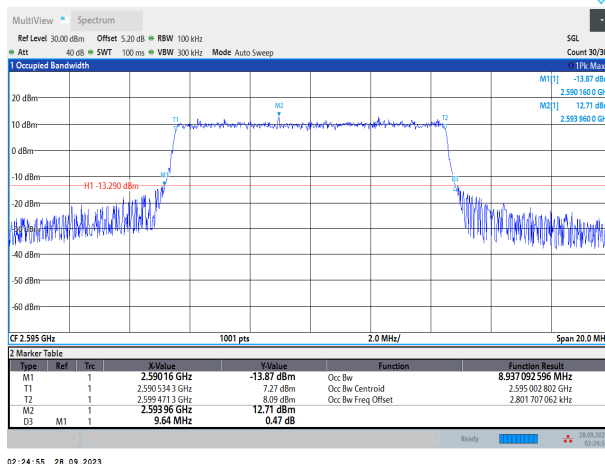
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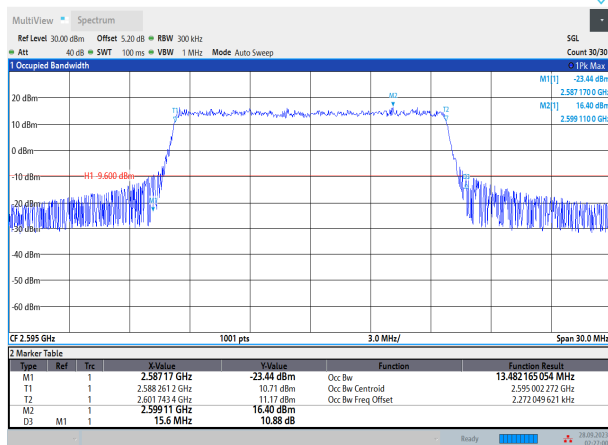
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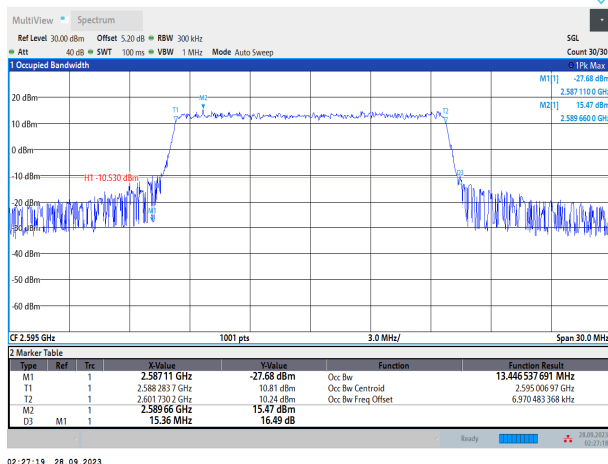
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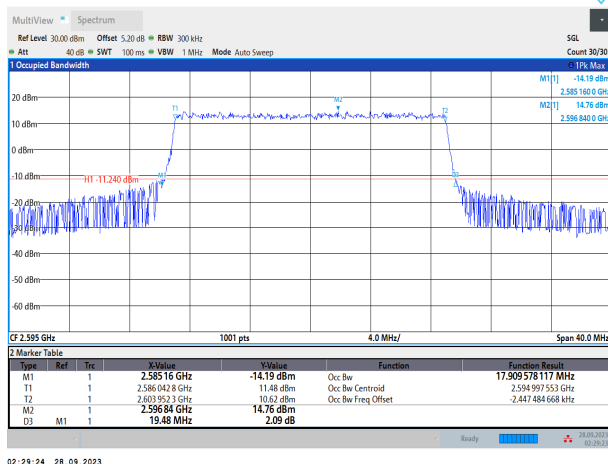
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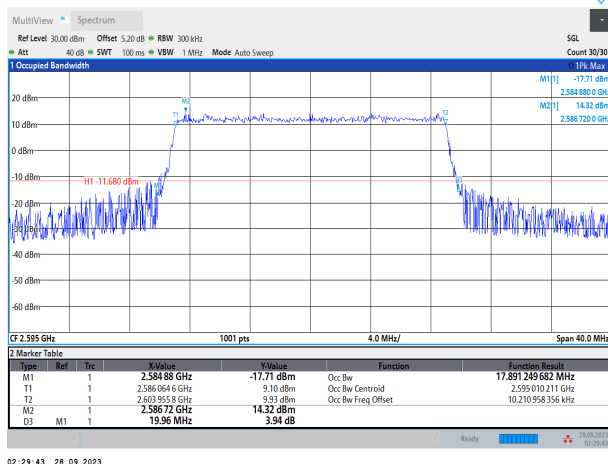
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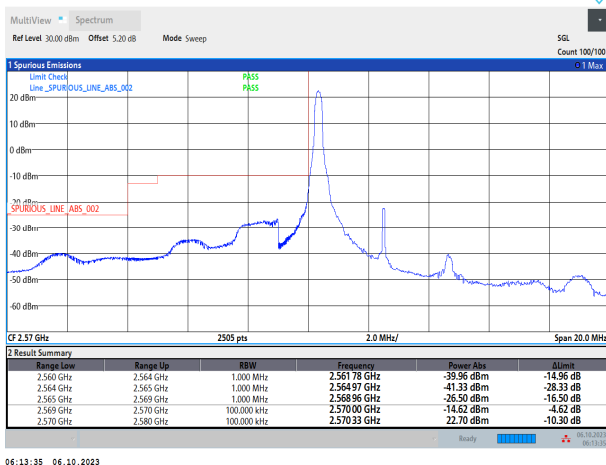
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Band Edge

Test Graphs

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



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



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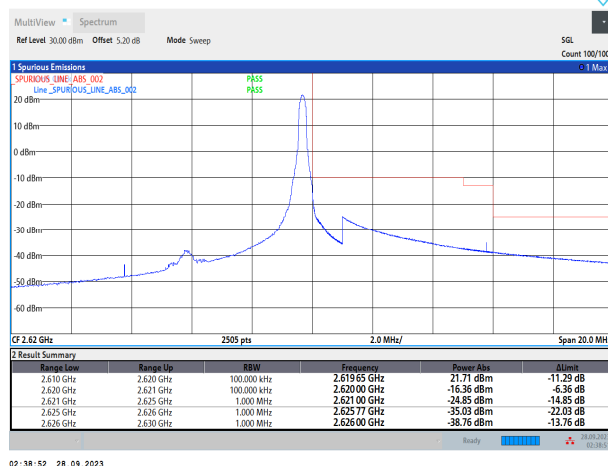
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Band38-5MHz-QPSK-38225-1RB#24



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



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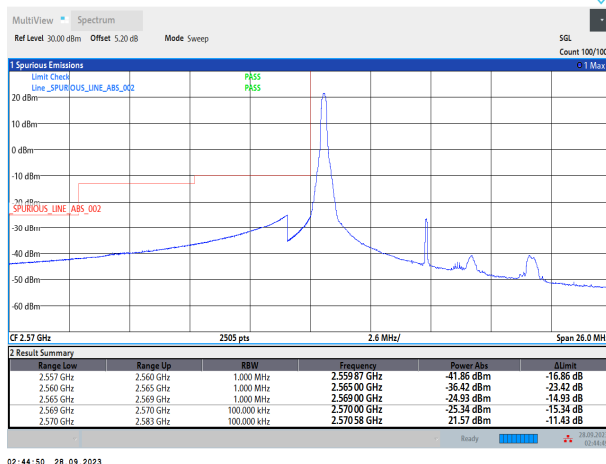
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Band38-10MHz-QPSK-37800-1RB#0



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



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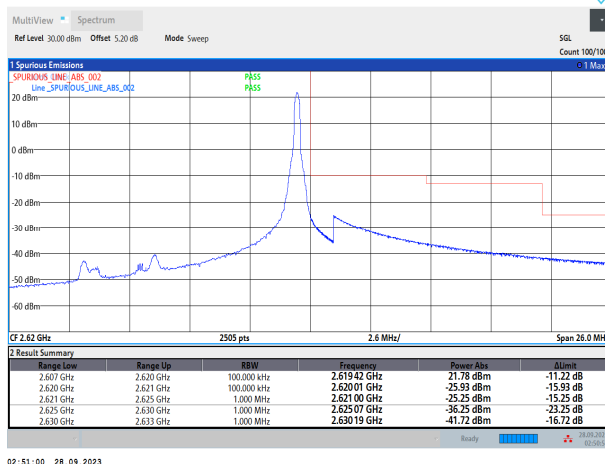
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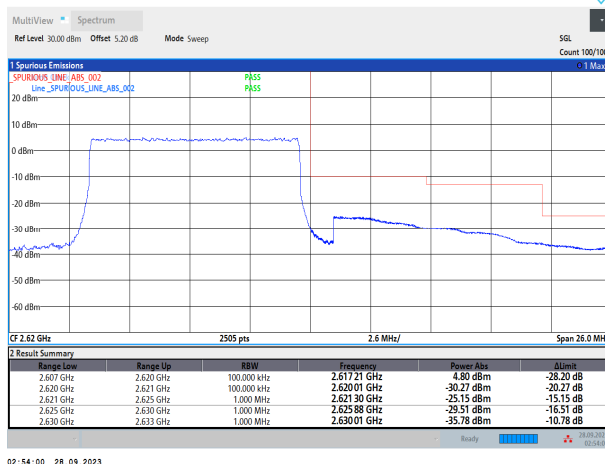
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Band38-10MHz-QPSK-38200-1RB#49



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



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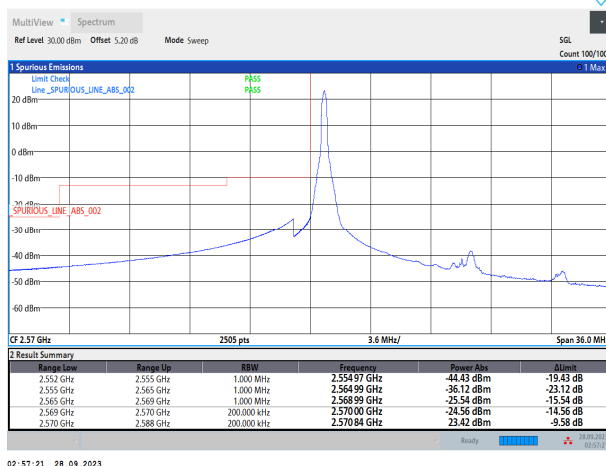
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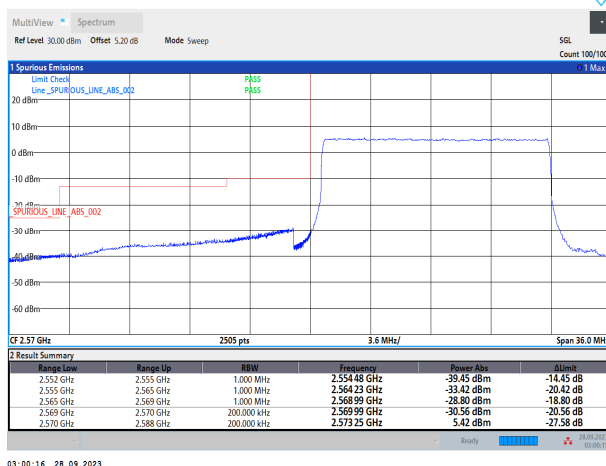
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Band38-15MHz-QPSK-37825-1RB#0



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



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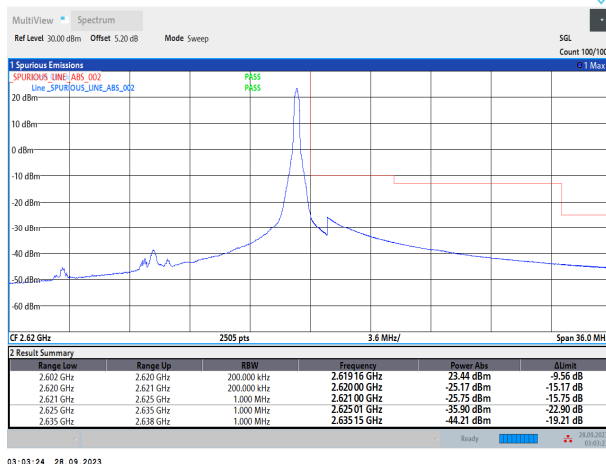
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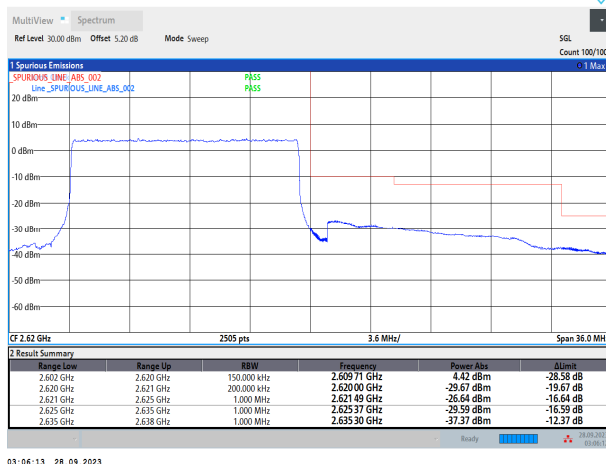
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Band38-15MHz-QPSK-38175-1RB#74



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



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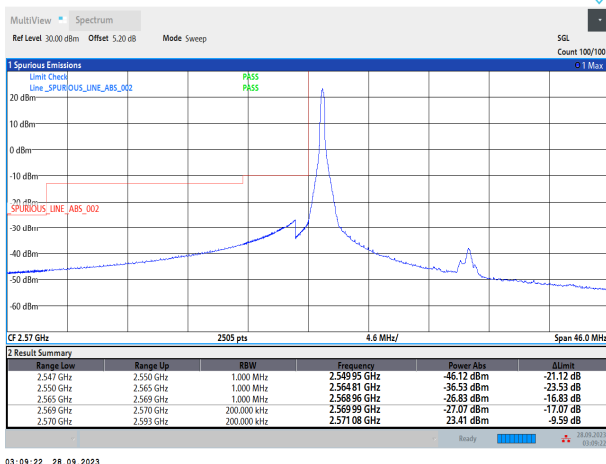
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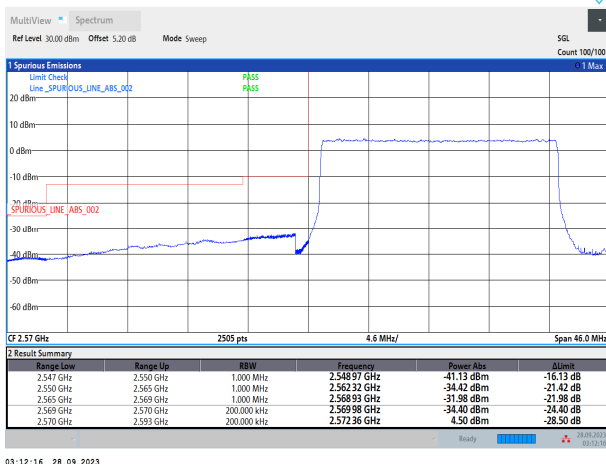
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Band38-20MHz-QPSK-37850-1RB#0



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



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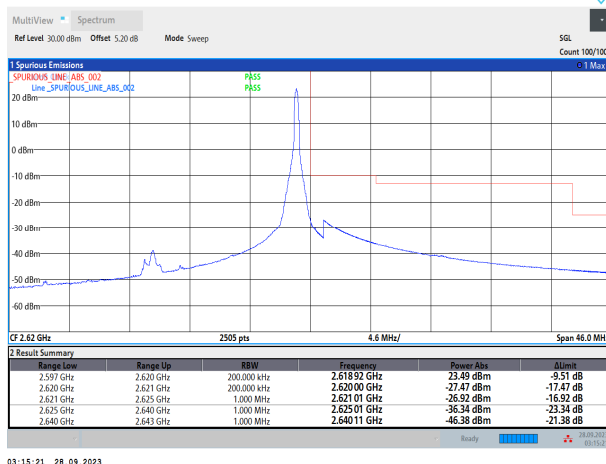
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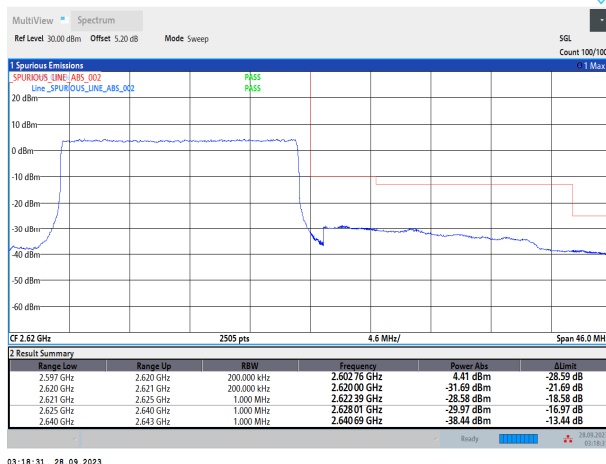
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Band38-20MHz-QPSK-38150-1RB#99



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



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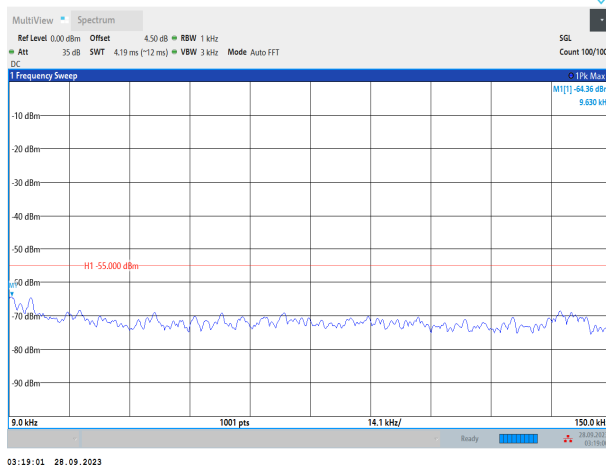
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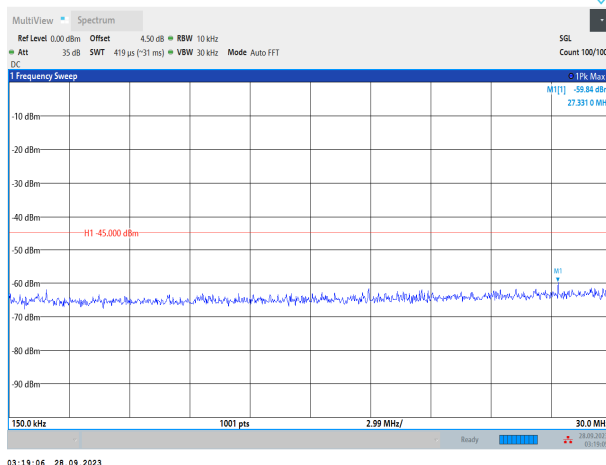
Conducted Spurious Emission

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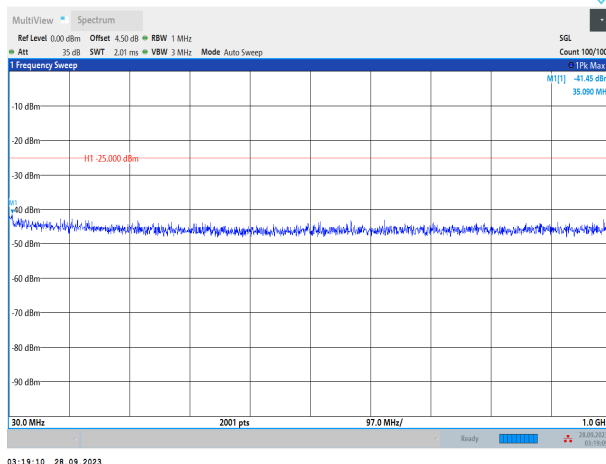
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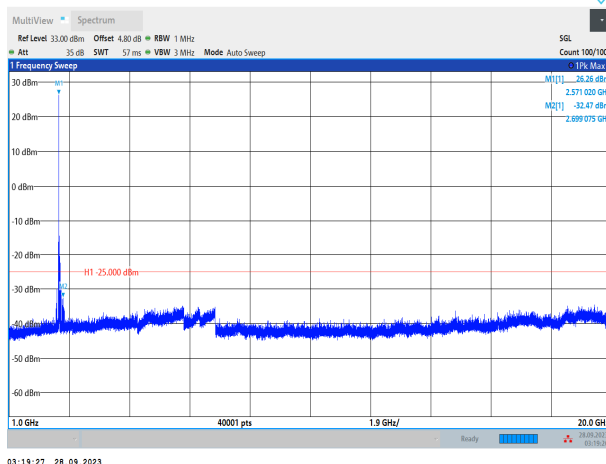
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Band38-20MHz-QPSK-37850-1RB#0-Range3:30~1000MHz



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



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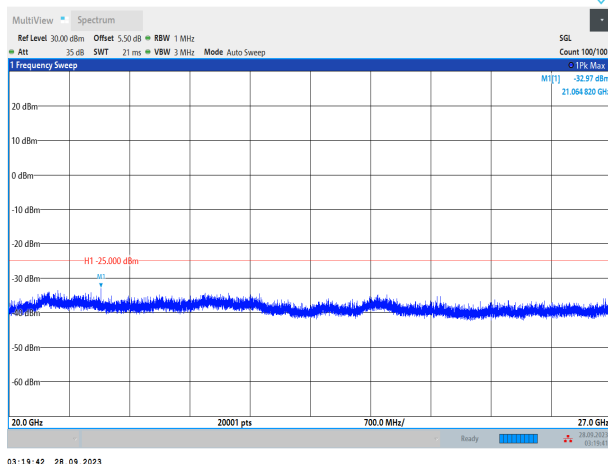
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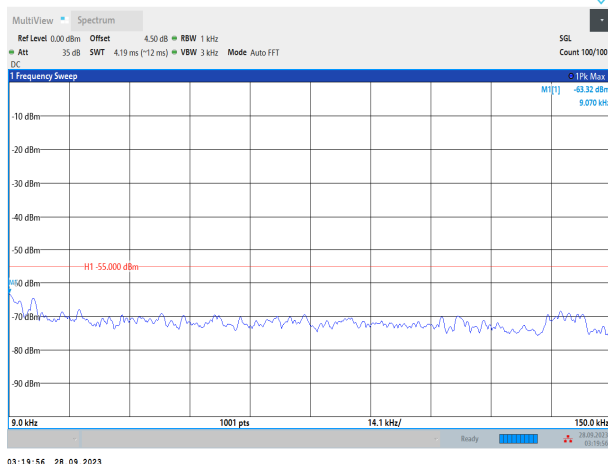
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Band38-20MHz-QPSK-37850-1RB#0-Range5:20000~27000MHz



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



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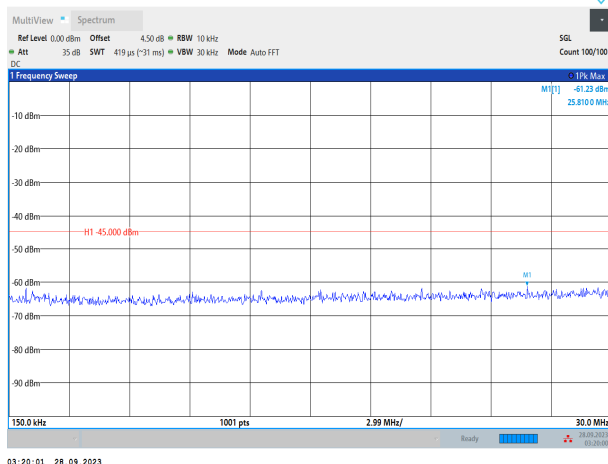
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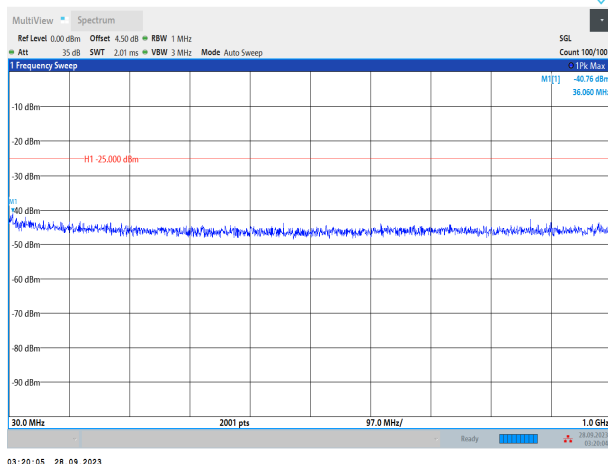
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Band38-20MHz-QPSK-38000-1RB#0-Range2:0.15~30MHz



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



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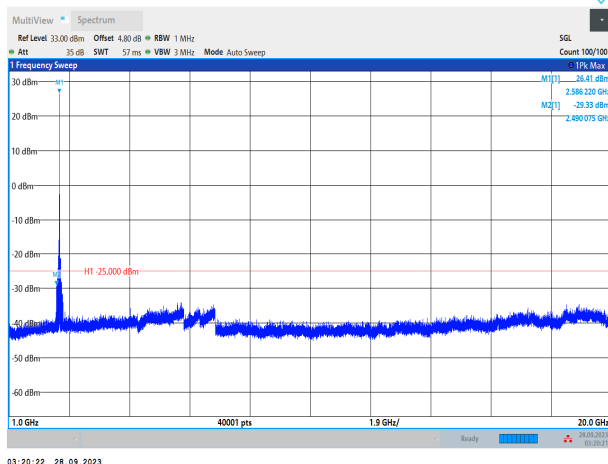
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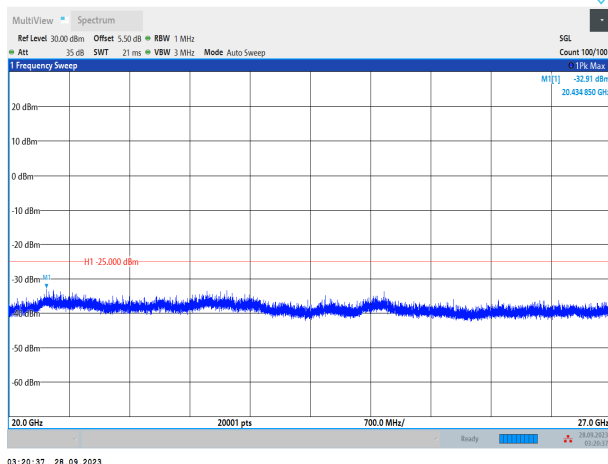
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Band38-20MHz-QPSK-38000-1RB#0-Range4:1000~20000MHz



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



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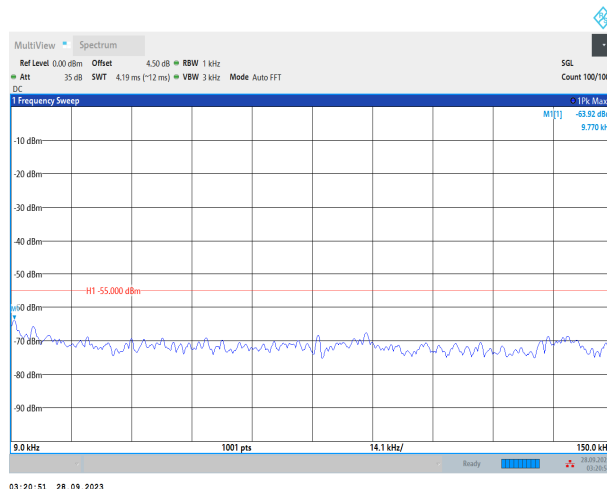
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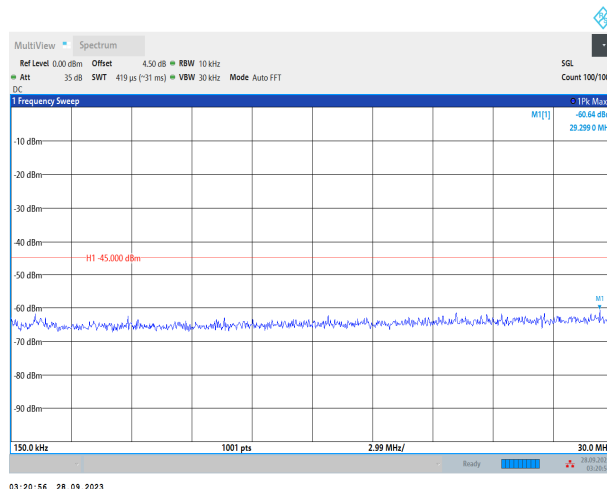
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Band38-20MHz-QPSK-38150-1RB#0-Range1:0.009~0.15MHz



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



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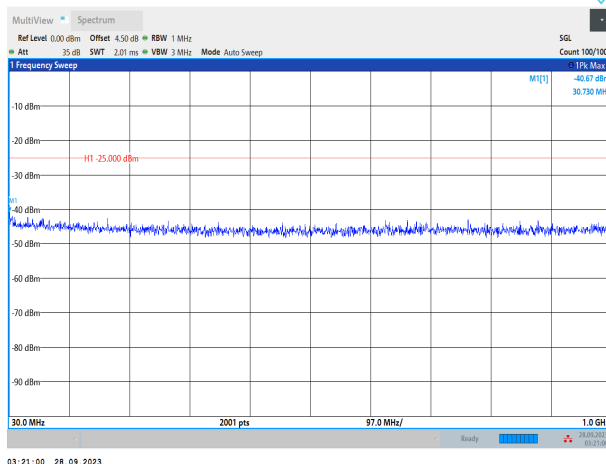
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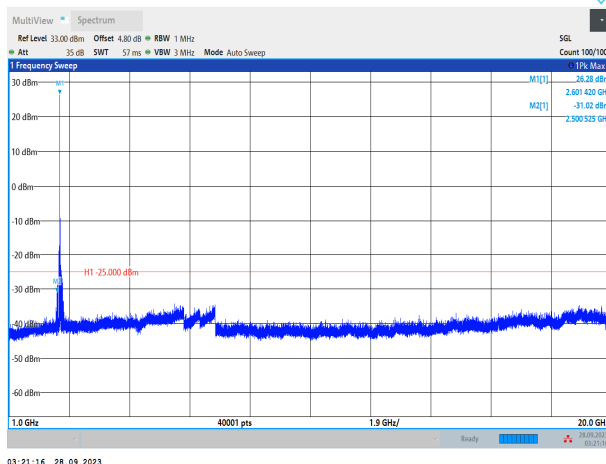
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Band38-20MHz-QPSK-38150-1RB#0-Range3:30~1000MHz



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



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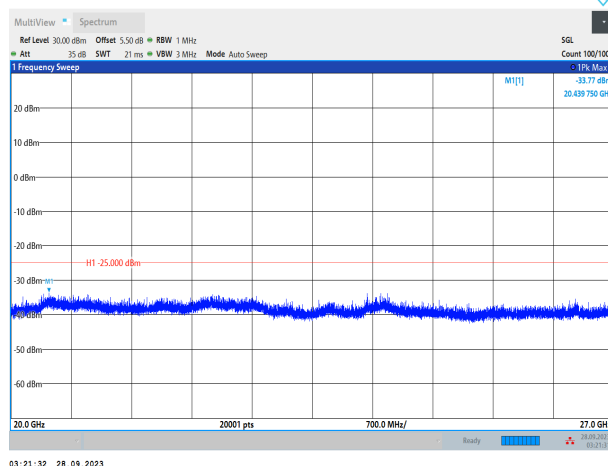


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Band38-20MHz-QPSK-38150-1RB#0-Range5:20000~27000MHz



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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	40.19	-45.33	31.74	-68.66	-25.00	43.66	Horizontal
2	7713.2700	37.10	-43.01	36.69	-64.49	-25.00	39.49	Horizontal
3	10284.3600	28.73	-39.15	38.34	-67.34	-25.00	42.34	Horizontal
4	12855.4500	25.22	-36.99	39.06	-67.97	-25.00	42.97	Horizontal
5	15426.5400	24.52	-34.00	40.40	-64.33	-25.00	39.33	Horizontal
6	17997.6300	27.11	-34.58	46.79	-55.94	-25.00	30.94	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5142.1800	39.58	-45.33	31.74	-69.27	-25.00	44.27	Vertical
2	7713.2700	37.87	-43.01	36.69	-63.72	-25.00	38.72	Vertical
3	10284.3600	29.15	-39.15	38.34	-66.92	-25.00	41.92	Vertical
4	12855.4500	26.10	-36.99	39.06	-67.09	-25.00	42.09	Vertical
5	15426.5400	24.72	-34.00	40.40	-64.13	-25.00	39.13	Vertical
6	17997.6300	26.44	-34.58	46.79	-56.61	-25.00	31.61	Vertical



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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	5172.1800	39.46	-45.30	31.81	-69.29	-25.00	44.29	Horizontal
2	7758.2700	37.02	-42.65	36.70	-64.18	-25.00	39.18	Horizontal
3	10344.3600	28.93	-39.05	38.37	-67.01	-25.00	42.01	Horizontal
4	12930.4500	25.75	-37.18	39.08	-67.61	-25.00	42.61	Horizontal
5	15516.5400	22.87	-35.30	40.21	-67.48	-25.00	42.48	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5172.1800	41.11	-45.30	31.81	-67.64	-25.00	42.64	Vertical
2	7758.2700	36.57	-42.65	36.70	-64.63	-25.00	39.63	Vertical
3	10344.3600	29.45	-39.05	38.37	-66.49	-25.00	41.49	Vertical
4	12930.4500	25.42	-37.18	39.08	-67.94	-25.00	42.94	Vertical
5	15516.5400	22.58	-35.30	40.21	-67.77	-25.00	42.77	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	5202.1800	39.72	-45.28	31.89	-68.93	-25.00	43.93	Horizontal
2	7803.2700	36.72	-42.33	36.72	-64.15	-25.00	39.15	Horizontal
3	10404.3600	28.72	-39.00	38.40	-67.14	-25.00	42.14	Horizontal
4	13005.4500	24.73	-37.31	39.11	-68.73	-25.00	43.73	Horizontal
5	15606.5400	22.92	-34.87	40.03	-67.19	-25.00	42.19	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5202.1800	40.25	-45.28	31.89	-68.40	-25.00	43.40	Vertical
2	7803.2700	36.72	-42.33	36.72	-64.15	-25.00	39.15	Vertical
3	10404.3600	28.96	-39.00	38.40	-66.90	-25.00	41.90	Vertical
4	13005.4500	25.78	-37.31	39.11	-67.68	-25.00	42.68	Vertical
5	15606.5400	22.62	-34.87	40.03	-67.49	-25.00	42.49	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
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	1.10	0.000424	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-0.30	-0.000116	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	-0.60	-0.000231	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-1.70	-0.000655	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	-1.00	-0.000385	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-10	-2.10	-0.000809	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	1.60	0.000617	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	0.00	0.000000	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	-0.90	-0.000347	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-0.30	-0.000116	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-0.90	-0.000347	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	-0.10	-0.000039	PASS

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