



Report No.: SEWM2209000168RG01

Rev.: 01

Page: 1 of 73

Appendix B.7

LTE Band 38



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Effective (Isotropic) Radiated Power Output Data

Test Result

ANT0:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	24.46	24.66	33	PASS
Band38	5MHz	QPSK	37775	1RB#12	24.36	24.56	33	PASS
Band38	5MHz	QPSK	37775	1RB#24	24.25	24.45	33	PASS
Band38	5MHz	QPSK	37775	25RB#0	23.6	23.8	33	PASS
Band38	5MHz	QPSK	38000	1RB#0	24.23	24.43	33	PASS
Band38	5MHz	QPSK	38000	1RB#12	24.44	24.64	33	PASS
Band38	5MHz	QPSK	38000	1RB#24	24.43	24.63	33	PASS
Band38	5MHz	QPSK	38000	25RB#0	23.49	23.69	33	PASS
Band38	5MHz	QPSK	38225	1RB#0	24.32	24.52	33	PASS
Band38	5MHz	QPSK	38225	1RB#12	24.48	24.68	33	PASS
Band38	5MHz	QPSK	38225	1RB#24	24.37	24.57	33	PASS
Band38	5MHz	QPSK	38225	25RB#0	23.55	23.75	33	PASS
Band38	5MHz	16QAM	37775	1RB#0	23.66	23.86	33	PASS
Band38	5MHz	16QAM	37775	1RB#12	23.67	23.87	33	PASS
Band38	5MHz	16QAM	37775	1RB#24	23.67	23.87	33	PASS
Band38	5MHz	16QAM	37775	25RB#0	22.52	22.72	33	PASS
Band38	5MHz	16QAM	38000	1RB#0	23.55	23.75	33	PASS
Band38	5MHz	16QAM	38000	1RB#12	23.76	23.96	33	PASS
Band38	5MHz	16QAM	38000	1RB#24	23.6	23.8	33	PASS
Band38	5MHz	16QAM	38000	25RB#0	22.46	22.66	33	PASS
Band38	5MHz	16QAM	38225	1RB#0	23.92	24.12	33	PASS
Band38	5MHz	16QAM	38225	1RB#12	23.69	23.89	33	PASS
Band38	5MHz	16QAM	38225	1RB#24	23.54	23.74	33	PASS
Band38	5MHz	16QAM	38225	25RB#0	22.51	22.71	33	PASS
Band38	5MHz	64QAM	37775	1RB#0	22.25	22.45	33	PASS
Band38	5MHz	64QAM	37775	1RB#12	22.12	22.32	33	PASS



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



Band38	5MHz	64QAM	37775	1RB#24	22.31	22.51	33	PASS
Band38	5MHz	64QAM	37775	25RB#0	21.61	21.81	33	PASS
Band38	5MHz	64QAM	38000	1RB#0	22.72	22.92	33	PASS
Band38	5MHz	64QAM	38000	1RB#12	22.14	22.34	33	PASS
Band38	5MHz	64QAM	38000	1RB#24	22.27	22.47	33	PASS
Band38	5MHz	64QAM	38000	25RB#0	21.49	21.69	33	PASS
Band38	5MHz	64QAM	38225	1RB#0	22.2	22.4	33	PASS
Band38	5MHz	64QAM	38225	1RB#12	22.13	22.33	33	PASS
Band38	5MHz	64QAM	38225	1RB#24	22.28	22.48	33	PASS
Band38	5MHz	64QAM	38225	25RB#0	21.55	21.75	33	PASS
Band38	5MHz	256QAM	37775	1RB#0	19.38	19.58	33	PASS
Band38	5MHz	256QAM	37775	1RB#12	19.37	19.57	33	PASS
Band38	5MHz	256QAM	37775	1RB#24	19.38	19.58	33	PASS
Band38	5MHz	256QAM	37775	25RB#0	19.65	19.85	33	PASS
Band38	5MHz	256QAM	38000	1RB#0	19.38	19.58	33	PASS
Band38	5MHz	256QAM	38000	1RB#12	19.35	19.55	33	PASS
Band38	5MHz	256QAM	38000	1RB#24	19.32	19.52	33	PASS
Band38	5MHz	256QAM	38000	25RB#0	19.54	19.74	33	PASS
Band38	5MHz	256QAM	38225	1RB#0	19.33	19.53	33	PASS
Band38	5MHz	256QAM	38225	1RB#12	19.33	19.53	33	PASS
Band38	5MHz	256QAM	38225	1RB#24	19.35	19.55	33	PASS
Band38	5MHz	256QAM	38225	25RB#0	19.59	19.79	33	PASS
Band38	10MHz	QPSK	37800	1RB#0	24.49	24.69	33	PASS
Band38	10MHz	QPSK	37800	1RB#24	24.45	24.65	33	PASS
Band38	10MHz	QPSK	37800	1RB#49	24.43	24.63	33	PASS
Band38	10MHz	QPSK	37800	50RB#0	23.63	23.83	33	PASS
Band38	10MHz	QPSK	38000	1RB#0	24.12	24.32	33	PASS
Band38	10MHz	QPSK	38000	1RB#24	24.48	24.68	33	PASS
Band38	10MHz	QPSK	38000	1RB#49	24.43	24.63	33	PASS
Band38	10MHz	QPSK	38000	50RB#0	23.53	23.73	33	PASS
Band38	10MHz	QPSK	38200	1RB#0	24.23	24.43	33	PASS
Band38	10MHz	QPSK	38200	1RB#24	24.45	24.65	33	PASS



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Band38	10MHz	QPSK	38200	1RB#49	24.41	24.61	33	PASS
Band38	10MHz	QPSK	38200	50RB#0	23.58	23.78	33	PASS
Band38	10MHz	16QAM	37800	1RB#0	23.58	23.78	33	PASS
Band38	10MHz	16QAM	37800	1RB#24	23.53	23.73	33	PASS
Band38	10MHz	16QAM	37800	1RB#49	23.52	23.72	33	PASS
Band38	10MHz	16QAM	37800	50RB#0	22.65	22.85	33	PASS
Band38	10MHz	16QAM	38000	1RB#0	23.65	23.85	33	PASS
Band38	10MHz	16QAM	38000	1RB#24	23.56	23.76	33	PASS
Band38	10MHz	16QAM	38000	1RB#49	23.56	23.76	33	PASS
Band38	10MHz	16QAM	38000	50RB#0	22.56	22.76	33	PASS
Band38	10MHz	16QAM	38200	1RB#0	23.62	23.82	33	PASS
Band38	10MHz	16QAM	38200	1RB#24	23.51	23.71	33	PASS
Band38	10MHz	16QAM	38200	1RB#49	23.52	23.72	33	PASS
Band38	10MHz	16QAM	38200	50RB#0	22.58	22.78	33	PASS
Band38	10MHz	64QAM	37800	1RB#0	22.21	22.41	33	PASS
Band38	10MHz	64QAM	37800	1RB#24	22.18	22.38	33	PASS
Band38	10MHz	64QAM	37800	1RB#49	22.19	22.39	33	PASS
Band38	10MHz	64QAM	37800	50RB#0	21.72	21.92	33	PASS
Band38	10MHz	64QAM	38000	1RB#0	22.25	22.45	33	PASS
Band38	10MHz	64QAM	38000	1RB#24	22.2	22.4	33	PASS
Band38	10MHz	64QAM	38000	1RB#49	22.24	22.44	33	PASS
Band38	10MHz	64QAM	38000	50RB#0	21.6	21.8	33	PASS
Band38	10MHz	64QAM	38200	1RB#0	22.16	22.36	33	PASS
Band38	10MHz	64QAM	38200	1RB#24	22.18	22.38	33	PASS
Band38	10MHz	64QAM	38200	1RB#49	22.19	22.39	33	PASS
Band38	10MHz	64QAM	38200	50RB#0	21.69	21.89	33	PASS
Band38	10MHz	256QAM	37800	1RB#0	19.36	19.56	33	PASS
Band38	10MHz	256QAM	37800	1RB#24	19.45	19.65	33	PASS
Band38	10MHz	256QAM	37800	1RB#49	19.42	19.62	33	PASS
Band38	10MHz	256QAM	37800	50RB#0	19.71	19.91	33	PASS
Band38	10MHz	256QAM	38000	1RB#0	19.37	19.57	33	PASS
Band38	10MHz	256QAM	38000	1RB#24	19.45	19.65	33	PASS



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Band38	10MHz	256QAM	38000	1RB#49	19.38	19.58	33	PASS
Band38	10MHz	256QAM	38000	50RB#0	19.61	19.81	33	PASS
Band38	10MHz	256QAM	38200	1RB#0	19.28	19.48	33	PASS
Band38	10MHz	256QAM	38200	1RB#24	19.41	19.61	33	PASS
Band38	10MHz	256QAM	38200	1RB#49	19.35	19.55	33	PASS
Band38	10MHz	256QAM	38200	50RB#0	19.65	19.85	33	PASS
Band38	15MHz	QPSK	37825	1RB#0	24.42	24.62	33	PASS
Band38	15MHz	QPSK	37825	1RB#38	24.43	24.63	33	PASS
Band38	15MHz	QPSK	37825	1RB#74	24.4	24.6	33	PASS
Band38	15MHz	QPSK	37825	75RB#0	23.48	23.68	33	PASS
Band38	15MHz	QPSK	38000	1RB#0	24.22	24.42	33	PASS
Band38	15MHz	QPSK	38000	1RB#38	24.38	24.58	33	PASS
Band38	15MHz	QPSK	38000	1RB#74	24.38	24.58	33	PASS
Band38	15MHz	QPSK	38000	75RB#0	23.38	23.58	33	PASS
Band38	15MHz	QPSK	38175	1RB#0	24.26	24.46	33	PASS
Band38	15MHz	QPSK	38175	1RB#38	24.41	24.61	33	PASS
Band38	15MHz	QPSK	38175	1RB#74	24.38	24.58	33	PASS
Band38	15MHz	QPSK	38175	75RB#0	23.5	23.7	33	PASS
Band38	15MHz	16QAM	37825	1RB#0	23.6	23.8	33	PASS
Band38	15MHz	16QAM	37825	1RB#38	23.58	23.78	33	PASS
Band38	15MHz	16QAM	37825	1RB#74	23.58	23.78	33	PASS
Band38	15MHz	16QAM	37825	75RB#0	22.53	22.73	33	PASS
Band38	15MHz	16QAM	38000	1RB#0	23.68	23.88	33	PASS
Band38	15MHz	16QAM	38000	1RB#38	23.62	23.82	33	PASS
Band38	15MHz	16QAM	38000	1RB#74	23.55	23.75	33	PASS
Band38	15MHz	16QAM	38000	75RB#0	22.41	22.61	33	PASS
Band38	15MHz	16QAM	38175	1RB#0	23.71	23.91	33	PASS
Band38	15MHz	16QAM	38175	1RB#38	23.62	23.82	33	PASS
Band38	15MHz	16QAM	38175	1RB#74	23.64	23.84	33	PASS
Band38	15MHz	16QAM	38175	75RB#0	22.45	22.65	33	PASS
Band38	15MHz	64QAM	37825	1RB#0	22.02	22.22	33	PASS
Band38	15MHz	64QAM	37825	1RB#38	22.08	22.28	33	PASS



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Band38	15MHz	64QAM	37825	1RB#74	22.08	22.28	33	PASS
Band38	15MHz	64QAM	37825	75RB#0	21.54	21.74	33	PASS
Band38	15MHz	64QAM	38000	1RB#0	22.07	22.27	33	PASS
Band38	15MHz	64QAM	38000	1RB#38	22.1	22.3	33	PASS
Band38	15MHz	64QAM	38000	1RB#74	22.04	22.24	33	PASS
Band38	15MHz	64QAM	38000	75RB#0	21.44	21.64	33	PASS
Band38	15MHz	64QAM	38175	1RB#0	22.05	22.25	33	PASS
Band38	15MHz	64QAM	38175	1RB#38	22.1	22.3	33	PASS
Band38	15MHz	64QAM	38175	1RB#74	22.05	22.25	33	PASS
Band38	15MHz	64QAM	38175	75RB#0	21.51	21.71	33	PASS
Band38	15MHz	256QAM	37825	1RB#0	19.28	19.48	33	PASS
Band38	15MHz	256QAM	37825	1RB#38	19.43	19.63	33	PASS
Band38	15MHz	256QAM	37825	1RB#74	19.35	19.55	33	PASS
Band38	15MHz	256QAM	37825	75RB#0	19.55	19.75	33	PASS
Band38	15MHz	256QAM	38000	1RB#0	19.29	19.49	33	PASS
Band38	15MHz	256QAM	38000	1RB#38	19.39	19.59	33	PASS
Band38	15MHz	256QAM	38000	1RB#74	19.29	19.49	33	PASS
Band38	15MHz	256QAM	38000	75RB#0	19.45	19.65	33	PASS
Band38	15MHz	256QAM	38175	1RB#0	19.3	19.5	33	PASS
Band38	15MHz	256QAM	38175	1RB#38	19.36	19.56	33	PASS
Band38	15MHz	256QAM	38175	1RB#74	19.31	19.51	33	PASS
Band38	15MHz	256QAM	38175	75RB#0	19.47	19.67	33	PASS
Band38	20MHz	QPSK	37850	1RB#0	24.45	24.65	33	PASS
Band38	20MHz	QPSK	37850	1RB#49	24.43	24.63	33	PASS
Band38	20MHz	QPSK	37850	1RB#99	24.4	24.6	33	PASS
Band38	20MHz	QPSK	37850	100RB#0	23.51	23.71	33	PASS
Band38	20MHz	QPSK	38000	1RB#0	24.19	24.39	33	PASS
Band38	20MHz	QPSK	38000	1RB#49	24.4	24.6	33	PASS
Band38	20MHz	QPSK	38000	1RB#99	24.35	24.55	33	PASS
Band38	20MHz	QPSK	38000	100RB#0	23.42	23.62	33	PASS
Band38	20MHz	QPSK	38150	1RB#0	24.32	24.52	33	PASS
Band38	20MHz	QPSK	38150	1RB#49	24.37	24.57	33	PASS



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Band38	20MHz	QPSK	38150	1RB#99	24.35	24.55	33	PASS
Band38	20MHz	QPSK	38150	100RB#0	23.49	23.69	33	PASS
Band38	20MHz	16QAM	37850	1RB#0	23.55	23.75	33	PASS
Band38	20MHz	16QAM	37850	1RB#49	23.51	23.71	33	PASS
Band38	20MHz	16QAM	37850	1RB#99	23.54	23.74	33	PASS
Band38	20MHz	16QAM	37850	100RB#0	22.56	22.76	33	PASS
Band38	20MHz	16QAM	38000	1RB#0	23.68	23.88	33	PASS
Band38	20MHz	16QAM	38000	1RB#49	23.48	23.68	33	PASS
Band38	20MHz	16QAM	38000	1RB#99	23.56	23.76	33	PASS
Band38	20MHz	16QAM	38000	100RB#0	22.45	22.65	33	PASS
Band38	20MHz	16QAM	38150	1RB#0	23.7	23.9	33	PASS
Band38	20MHz	16QAM	38150	1RB#49	23.57	23.77	33	PASS
Band38	20MHz	16QAM	38150	1RB#99	23.54	23.74	33	PASS
Band38	20MHz	16QAM	38150	100RB#0	22.55	22.75	33	PASS
Band38	20MHz	64QAM	37850	1RB#0	22.02	22.22	33	PASS
Band38	20MHz	64QAM	37850	1RB#49	22.1	22.3	33	PASS
Band38	20MHz	64QAM	37850	1RB#99	22.05	22.25	33	PASS
Band38	20MHz	64QAM	37850	100RB#0	21.55	21.75	33	PASS
Band38	20MHz	64QAM	38000	1RB#0	22.05	22.25	33	PASS
Band38	20MHz	64QAM	38000	1RB#49	22.08	22.28	33	PASS
Band38	20MHz	64QAM	38000	1RB#99	22.02	22.22	33	PASS
Band38	20MHz	64QAM	38000	100RB#0	21.42	21.62	33	PASS
Band38	20MHz	64QAM	38150	1RB#0	22.03	22.23	33	PASS
Band38	20MHz	64QAM	38150	1RB#49	22.08	22.28	33	PASS
Band38	20MHz	64QAM	38150	1RB#99	22.04	22.24	33	PASS
Band38	20MHz	64QAM	38150	100RB#0	21.49	21.69	33	PASS
Band38	20MHz	256QAM	37850	1RB#0	19.34	19.54	33	PASS
Band38	20MHz	256QAM	37850	1RB#49	19.38	19.58	33	PASS
Band38	20MHz	256QAM	37850	1RB#99	19.37	19.57	33	PASS
Band38	20MHz	256QAM	37850	100RB#0	19.54	19.74	33	PASS
Band38	20MHz	256QAM	38000	1RB#0	19.35	19.55	33	PASS
Band38	20MHz	256QAM	38000	1RB#49	19.35	19.55	33	PASS



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Report No.: SEWM2209000168RG01

Rev.: 01

Page: 8 of 73

Band38	20MHz	256QAM	38000	1RB#99	19.35	19.55	33	PASS
Band38	20MHz	256QAM	38000	100RB#0	19.45	19.65	33	PASS
Band38	20MHz	256QAM	38150	1RB#0	19.35	19.55	33	PASS
Band38	20MHz	256QAM	38150	1RB#49	19.34	19.54	33	PASS
Band38	20MHz	256QAM	38150	1RB#99	19.34	19.54	33	PASS
Band38	20MHz	256QAM	38150	100RB#0	19.5	19.7	33	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

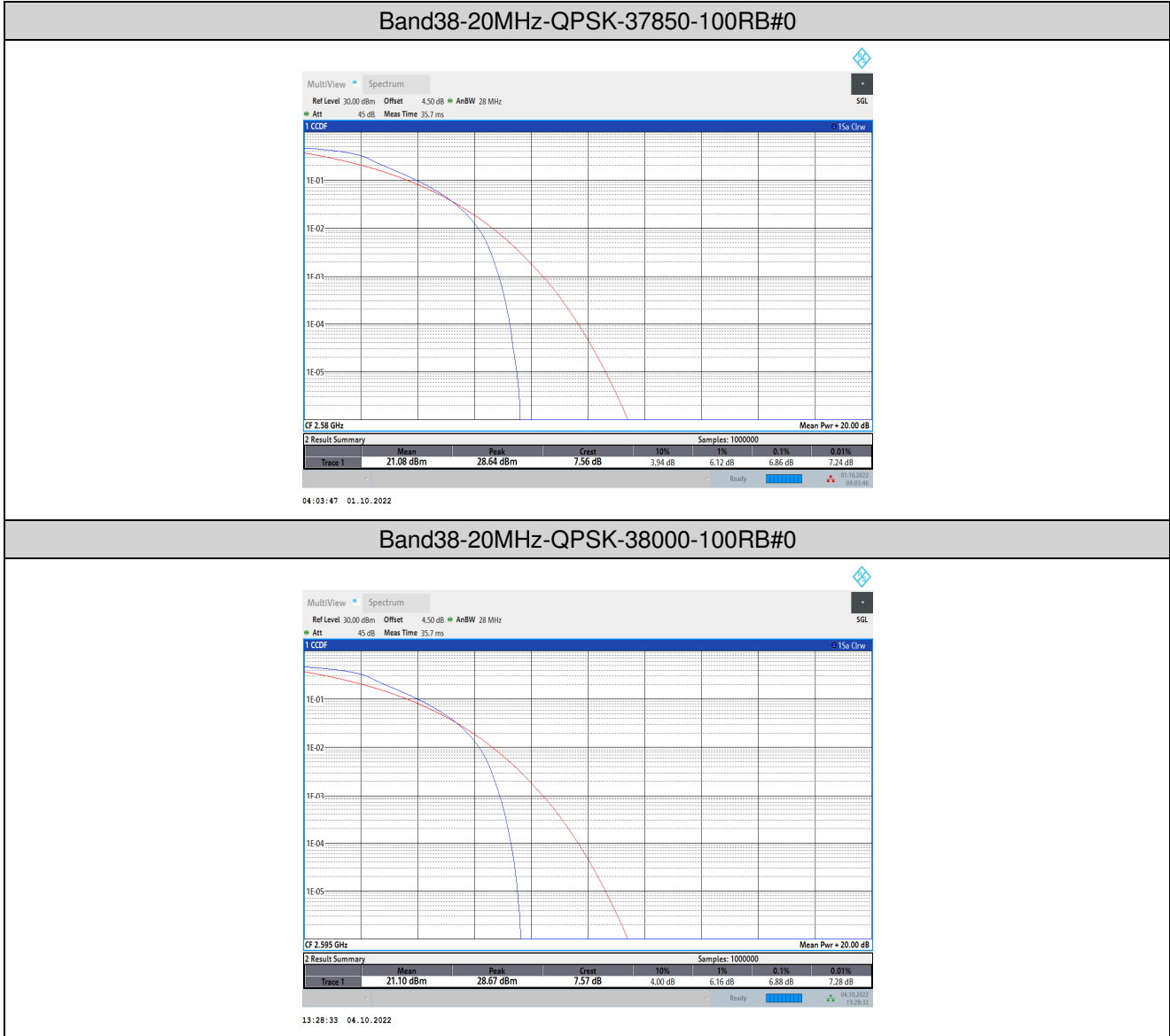
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	6.86	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	6.88	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	6.90	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	7.66	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	7.86	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	7.66	13	PASS
Band38	20MHz	64QAM	37850	100RB#0	8.38	13	PASS
Band38	20MHz	64QAM	38000	100RB#0	8.48	13	PASS
Band38	20MHz	64QAM	38150	100RB#0	8.22	13	PASS
Band38	20MHz	256QAM	37850	100RB#0	8.78	13	PASS
Band38	20MHz	256QAM	38000	100RB#0	8.74	13	PASS
Band38	20MHz	256QAM	38150	100RB#0	8.52	13	PASS



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Test Graphs

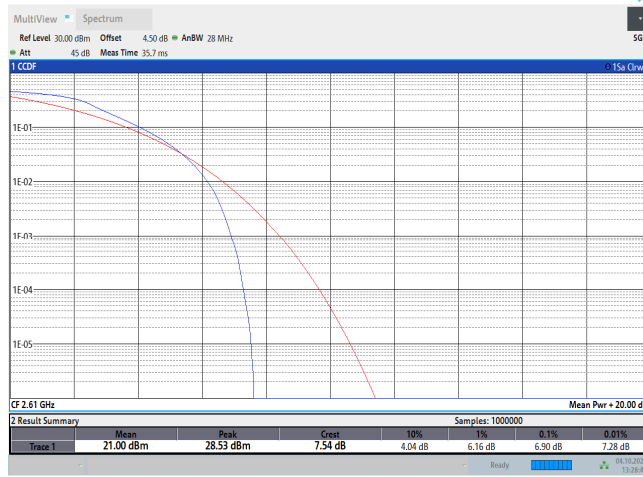


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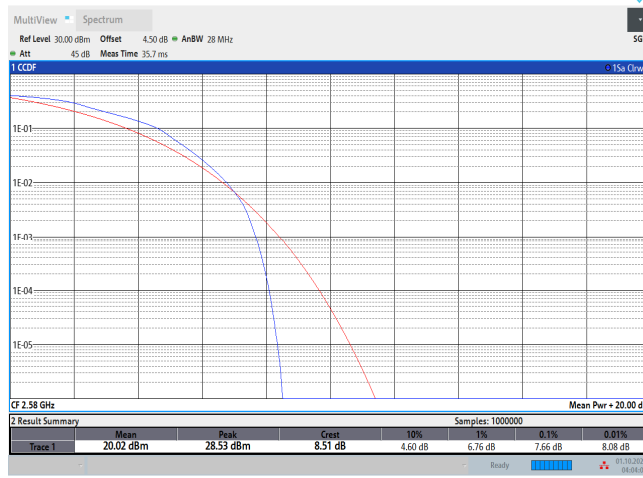
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Band38-20MHz-QPSK-38150-100RB#0



13:28:49 04.10.2022

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



04:04:03 01.10.2022



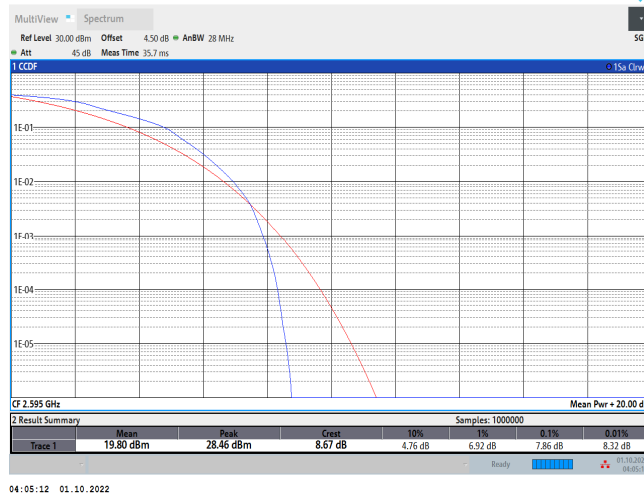
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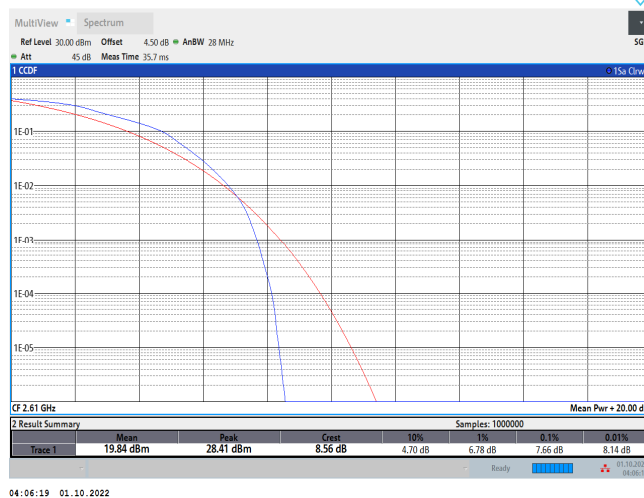
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Band38-20MHz-16QAM-38000-100RB#0



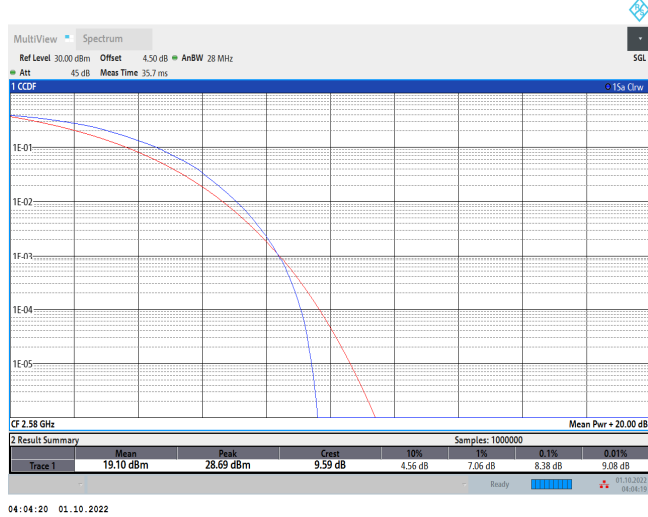
Band38-20MHz-16QAM-38150-100RB#0



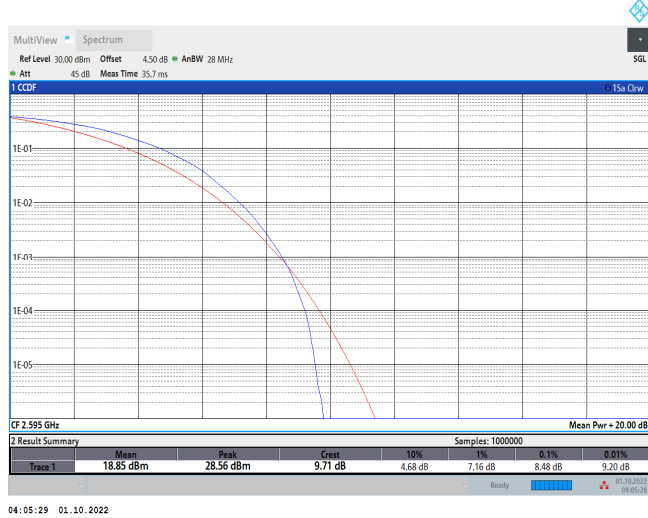
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Band38-20MHz-64QAM-37850-100RB#0



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

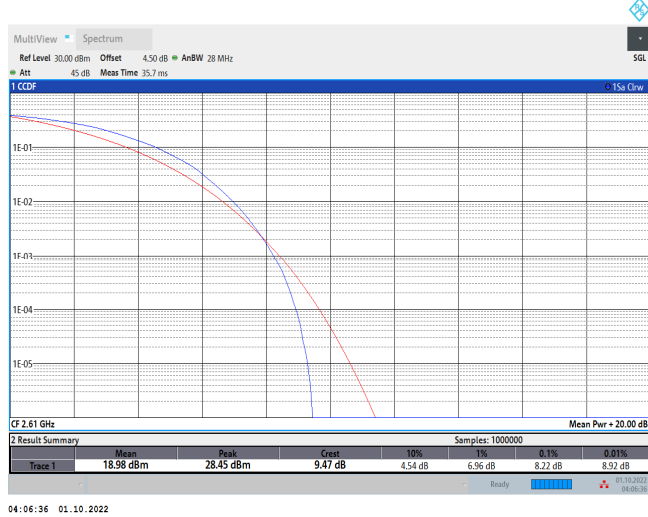


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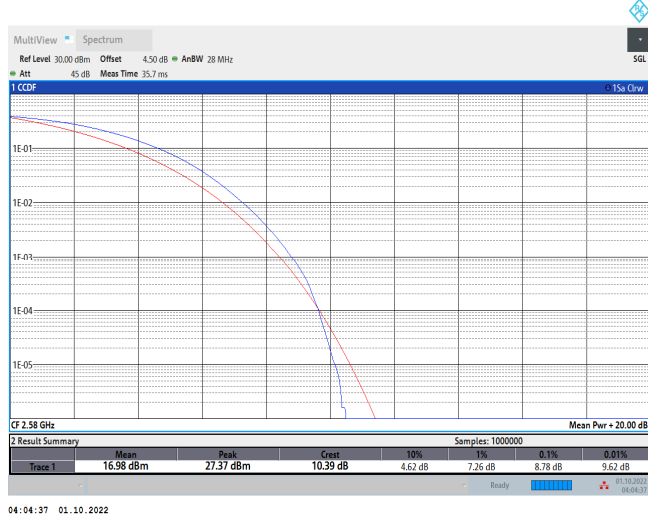
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Band38-20MHz-64QAM-38150-100RB#0



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

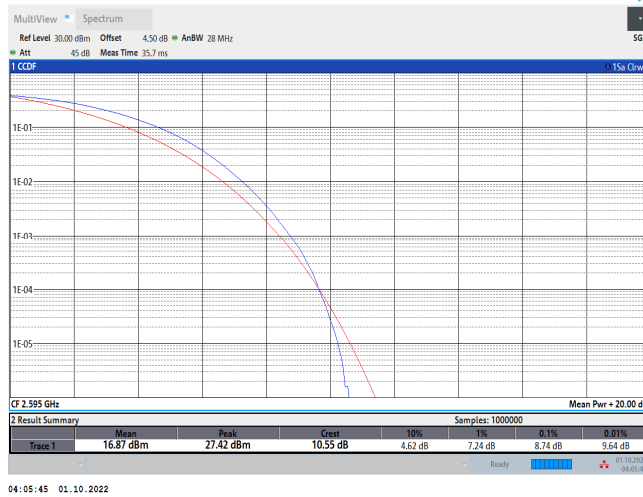


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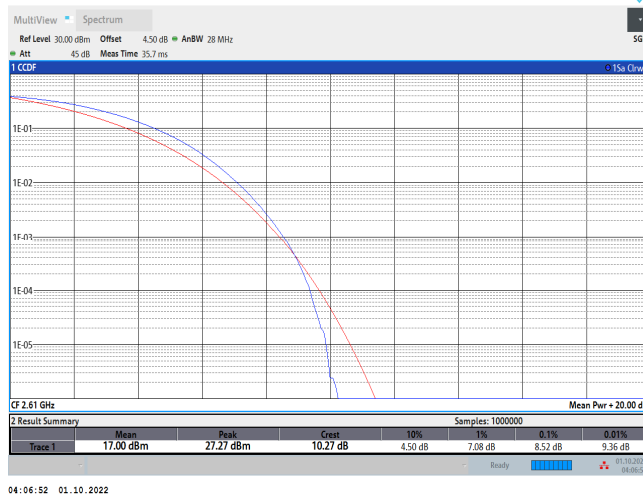
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Band38-20MHz-256QAM-38000-100RB#0



Band38-20MHz-256QAM-38150-100RB#0



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band38	20MHz	QPSK	38000	100RB#0	PASS	PASS
Band38	20MHz	16QAM	38000	100RB#0	PASS	PASS
Band38	20MHz	64QAM	38000	100RB#0	PASS	PASS
Band38	20MHz	256QAM	38000	100RB#0	PASS	PASS



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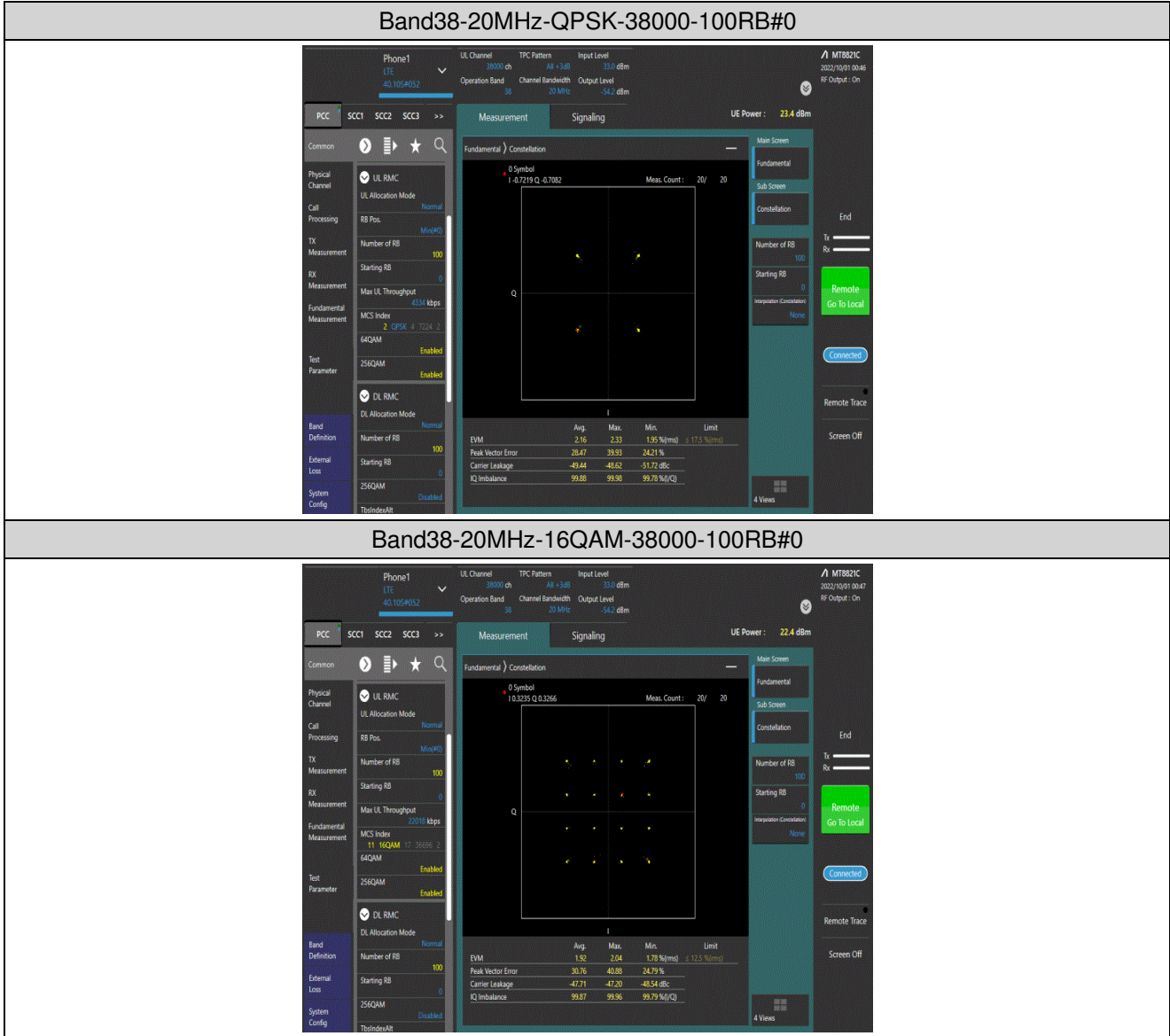
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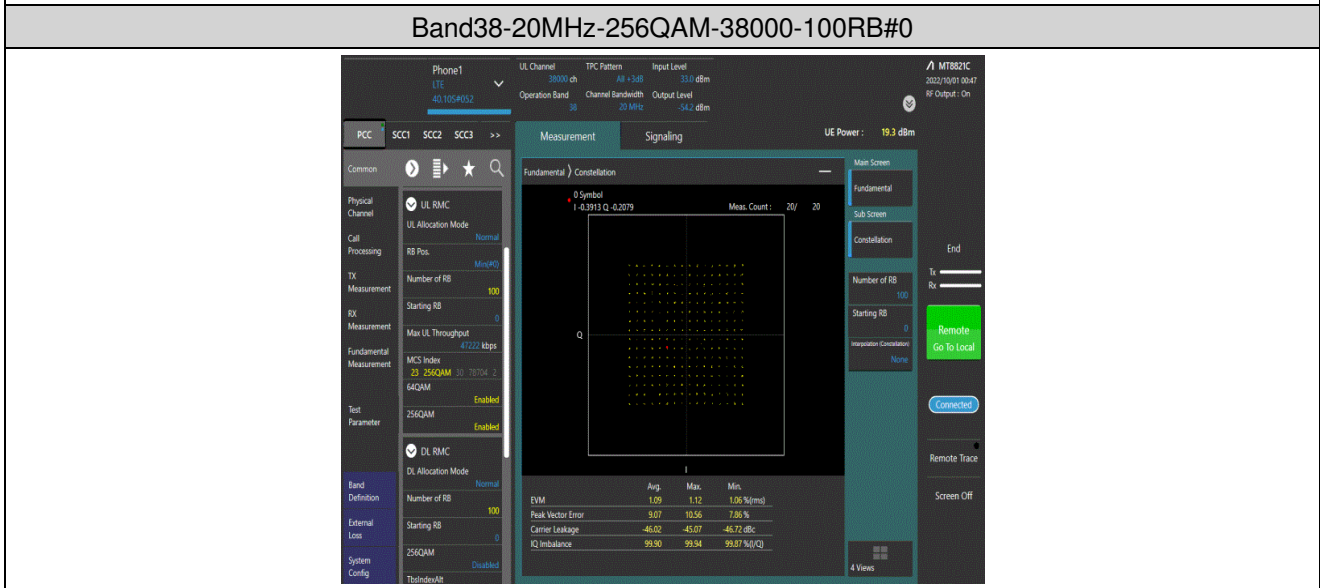
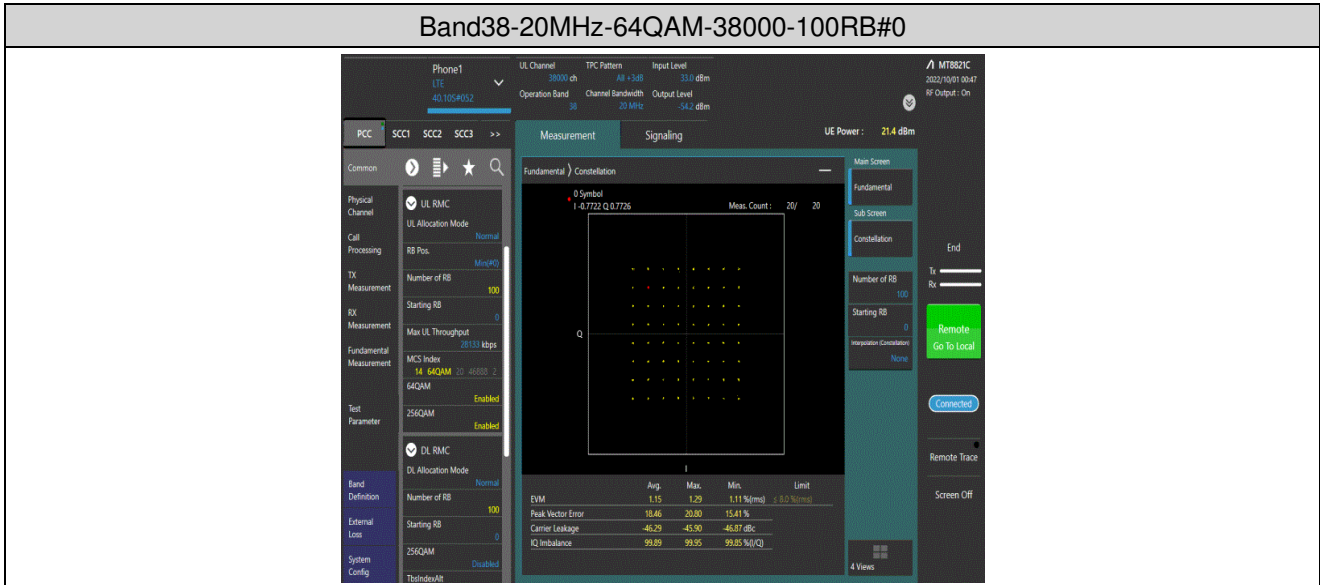
Test Graphs



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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	37775	25RB#0	4.467	4.88	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.46	4.90	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.465	4.92	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.478	4.91	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.478	4.92	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.472	4.99	PASS
Band38	5MHz	64QAM	37775	25RB#0	4.477	4.88	PASS
Band38	5MHz	64QAM	38000	25RB#0	4.476	4.89	PASS
Band38	5MHz	64QAM	38225	25RB#0	4.476	4.94	PASS
Band38	5MHz	256QAM	37775	25RB#0	4.467	5.01	PASS
Band38	5MHz	256QAM	38000	25RB#0	4.466	4.99	PASS
Band38	5MHz	256QAM	38225	25RB#0	4.475	4.92	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.946	9.70	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.926	9.70	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.927	9.68	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.932	9.70	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.929	9.76	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.943	9.76	PASS
Band38	10MHz	64QAM	37800	50RB#0	8.956	9.72	PASS
Band38	10MHz	64QAM	38000	50RB#0	8.96	9.92	PASS
Band38	10MHz	64QAM	38200	50RB#0	8.962	9.76	PASS
Band38	10MHz	256QAM	37800	50RB#0	8.936	9.64	PASS
Band38	10MHz	256QAM	38000	50RB#0	8.935	9.60	PASS
Band38	10MHz	256QAM	38200	50RB#0	8.929	9.72	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.471	15.63	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.461	15.57	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.477	15.75	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.464	15.33	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.467	15.63	PASS



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Band38	15MHz	16QAM	38175	75RB#0	13.483	15.78	PASS
Band38	15MHz	64QAM	37825	75RB#0	13.46	15.51	PASS
Band38	15MHz	64QAM	38000	75RB#0	13.481	15.09	PASS
Band38	15MHz	64QAM	38175	75RB#0	13.467	14.88	PASS
Band38	15MHz	256QAM	37825	75RB#0	13.456	15.06	PASS
Band38	15MHz	256QAM	38000	75RB#0	13.455	15.12	PASS
Band38	15MHz	256QAM	38175	75RB#0	13.457	15.75	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.888	19.36	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.895	19.68	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.881	19.56	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.877	20.08	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.879	19.76	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.891	20.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	17.875	19.92	PASS
Band38	20MHz	64QAM	38000	100RB#0	17.881	20.20	PASS
Band38	20MHz	64QAM	38150	100RB#0	17.879	19.92	PASS
Band38	20MHz	256QAM	37850	100RB#0	17.89	19.40	PASS
Band38	20MHz	256QAM	38000	100RB#0	17.885	19.60	PASS
Band38	20MHz	256QAM	38150	100RB#0	17.885	19.52	PASS



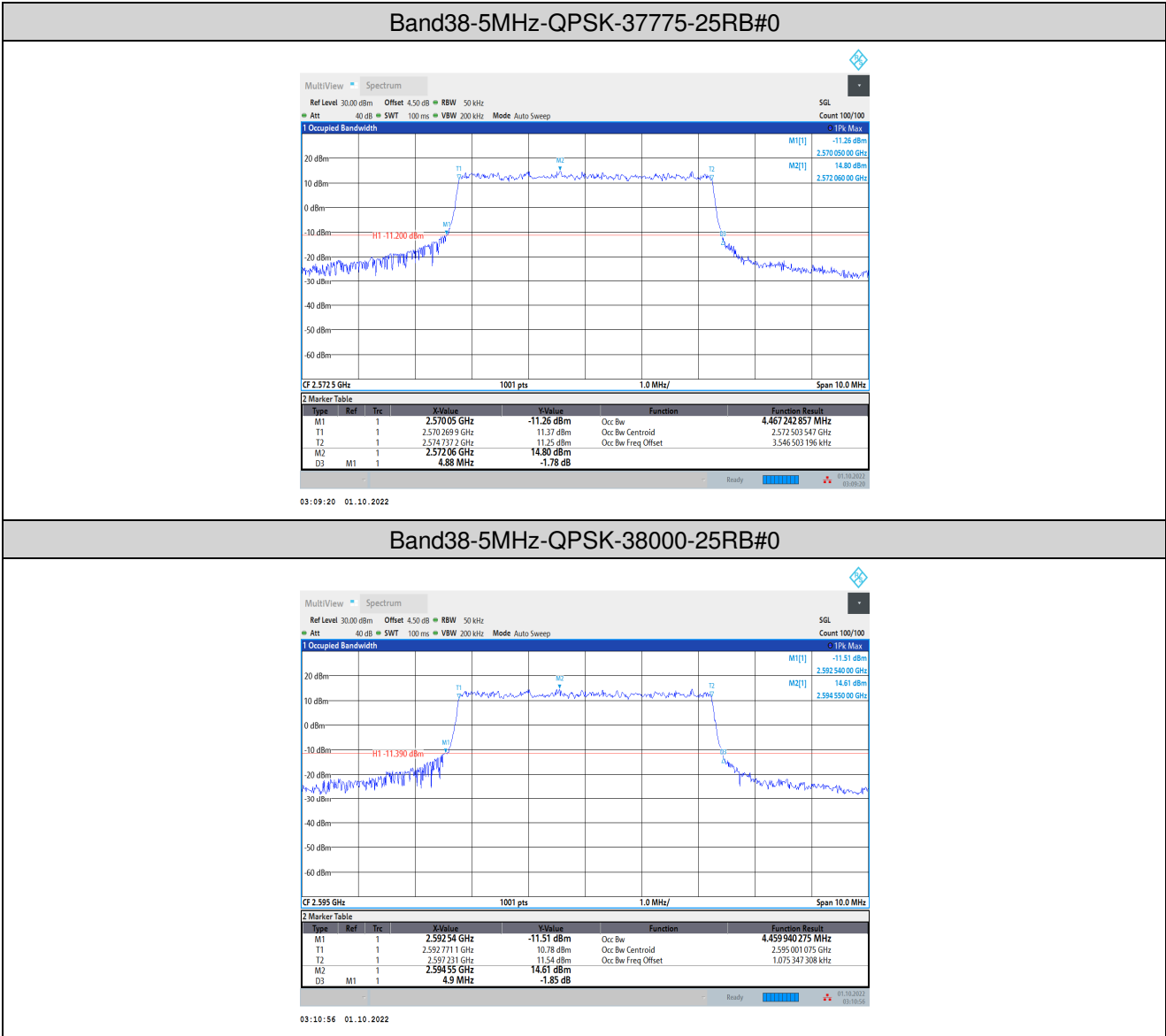
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Test Graphs



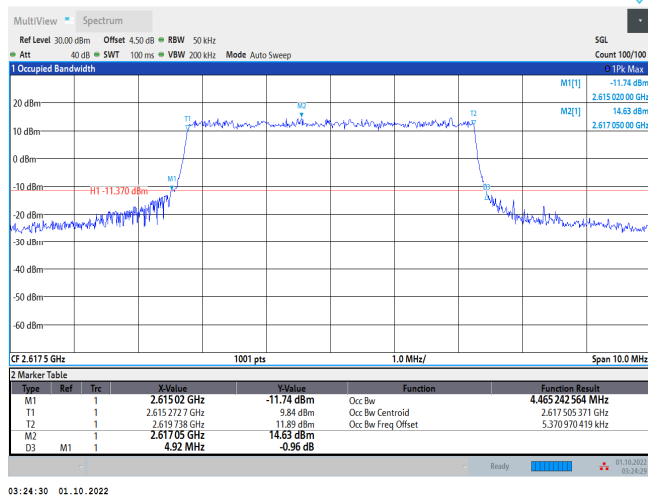
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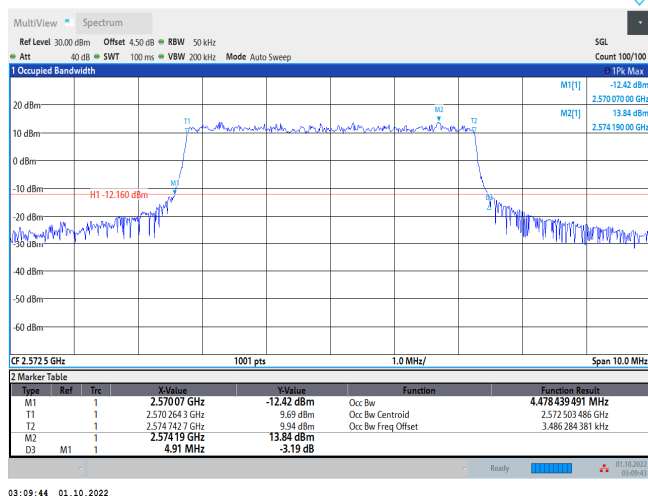
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Band38-5MHz-QPSK-38225-25RB#0



Band38-5MHz-16QAM-37775-25RB#0

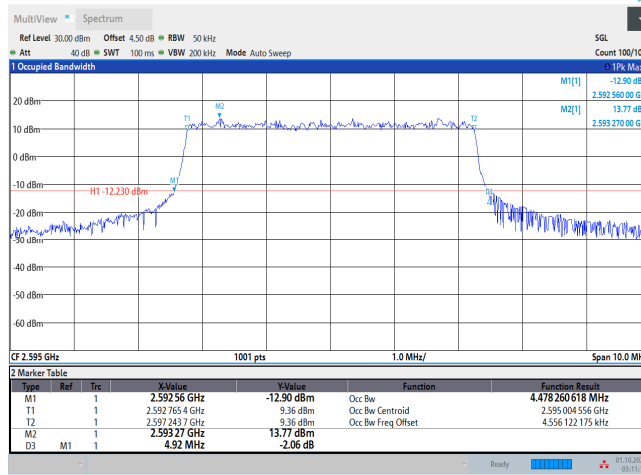


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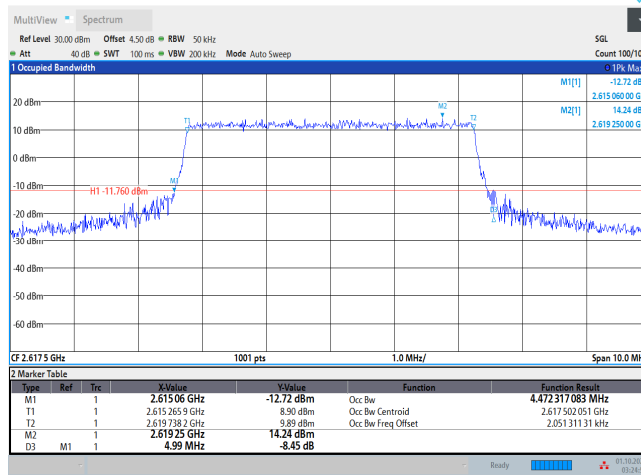
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Band38-5MHz-16QAM-38000-25RB#0



Band38-5MHz-16QAM-38225-25RB#0

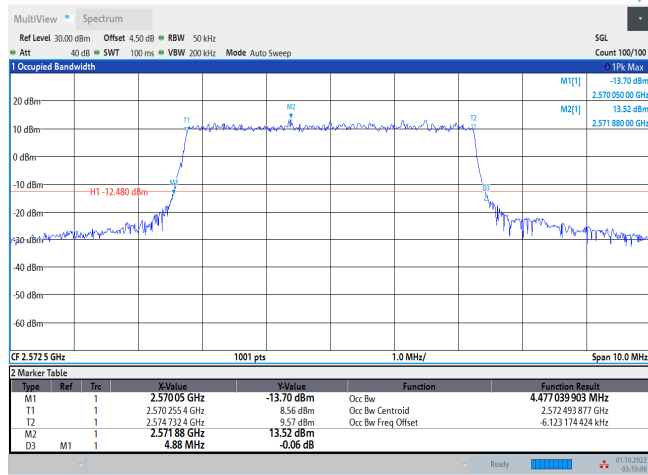


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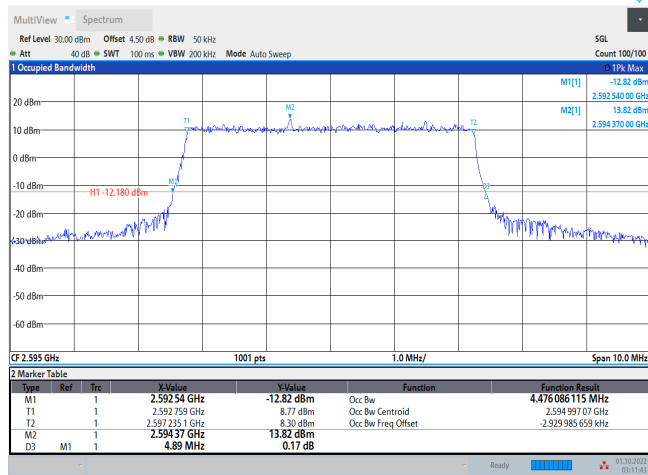
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Band38-5MHz-64QAM-37775-25RB#0



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



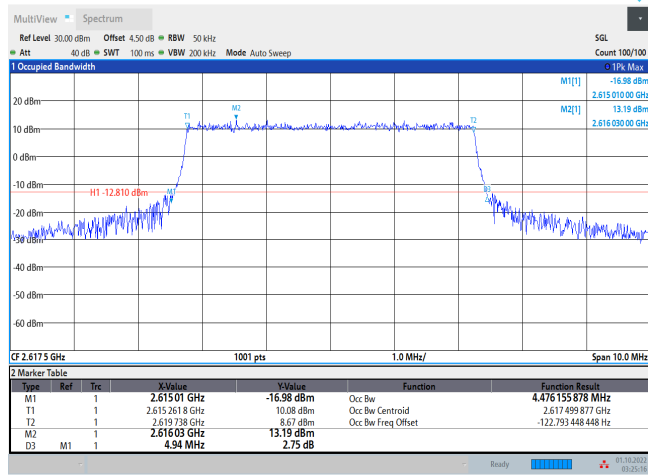
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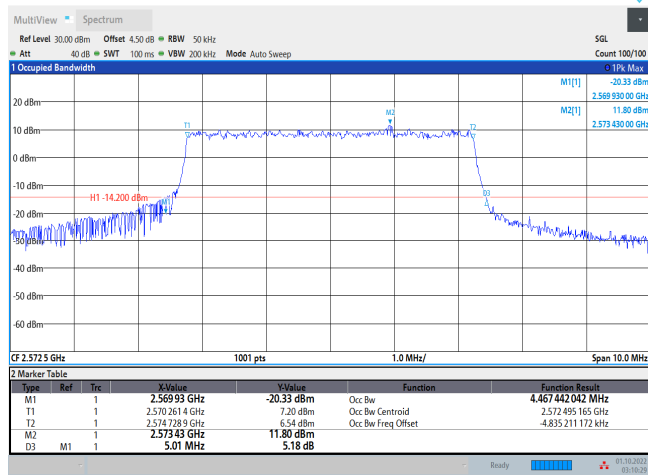
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Band38-5MHz-64QAM-38225-25RB#0



03:25:17 01.10.2022

Band38-5MHz-256QAM-37775-25RB#0



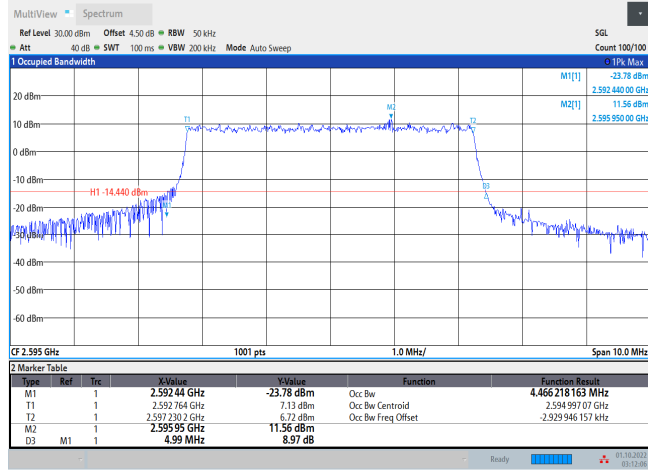
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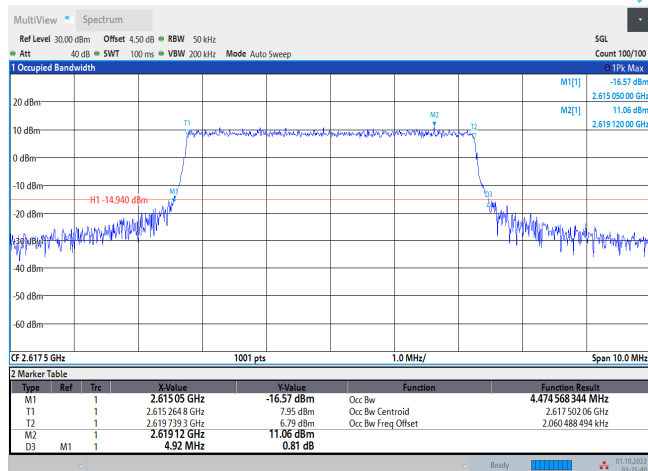
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Band38-5MHz-256QAM-38000-25RB#0



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Band38-5MHz-256QAM-38225-25RB#0



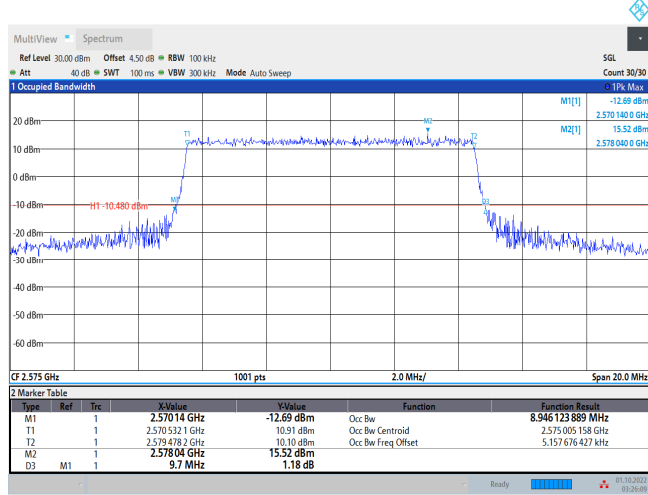
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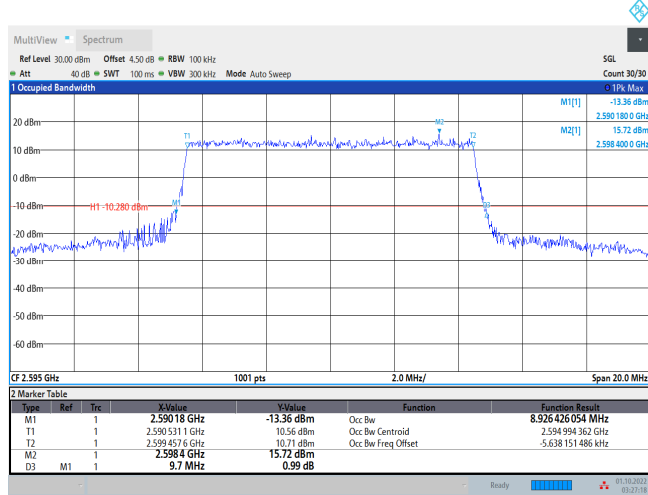
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Band38-10MHz-QPSK-37800-50RB#0



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

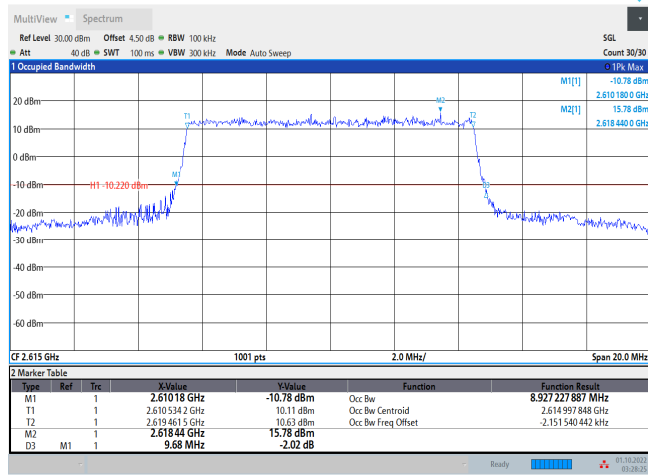


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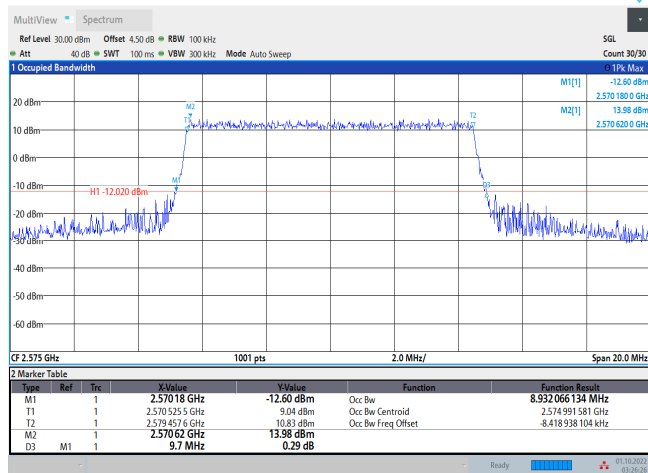
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Band38-10MHz-QPSK-38200-50RB#0



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Band38-10MHz-16QAM-37800-50RB#0



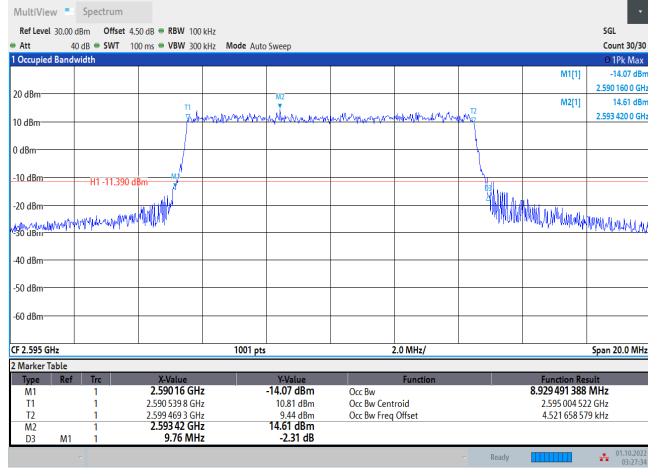
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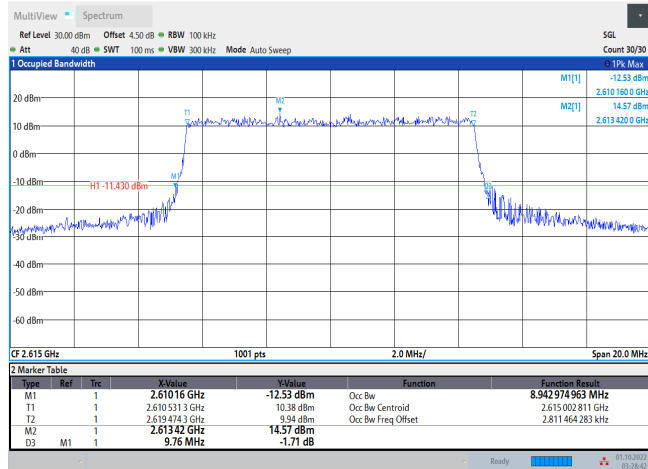
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Band38-10MHz-16QAM-38000-50RB#0



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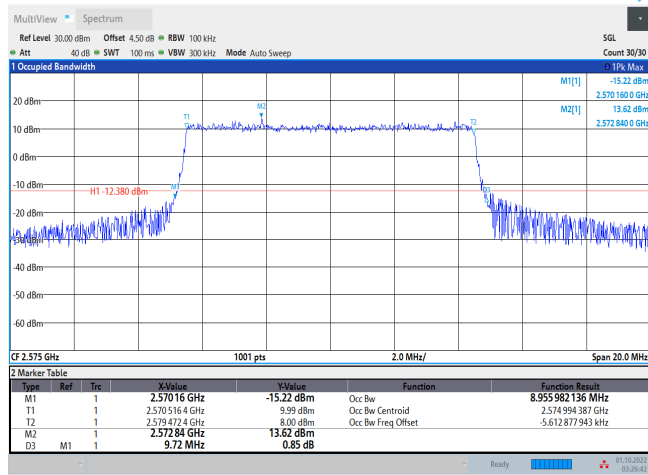
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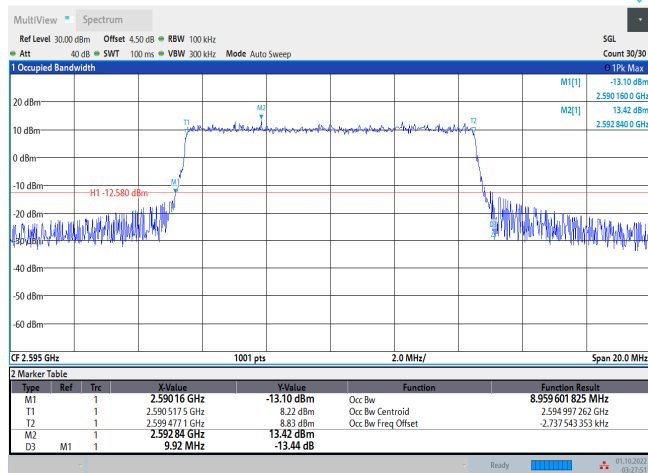
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Band38-10MHz-64QAM-37800-50RB#0



03:26:43 01.10.2022

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



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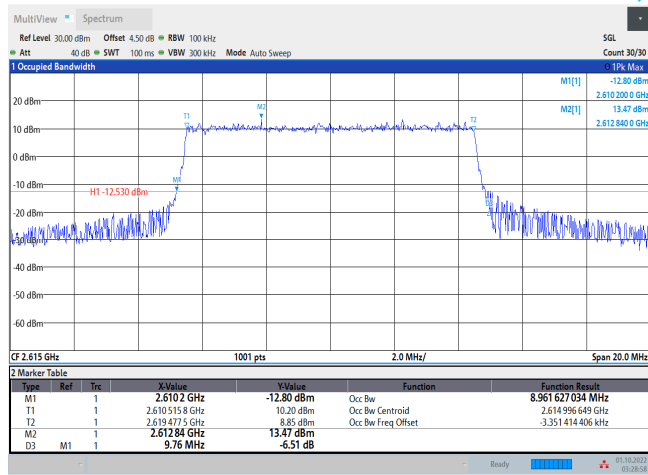


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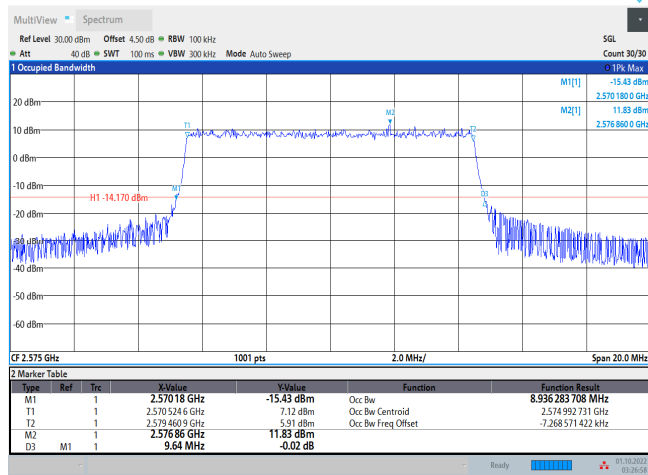
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Band38-10MHz-64QAM-38200-50RB#0



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Band38-10MHz-256QAM-37800-50RB#0



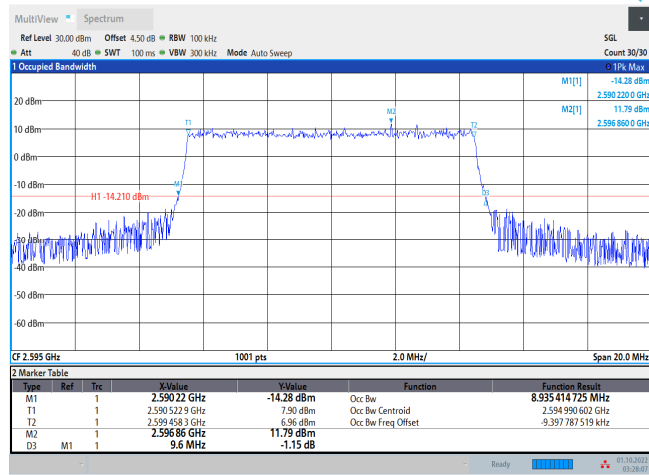
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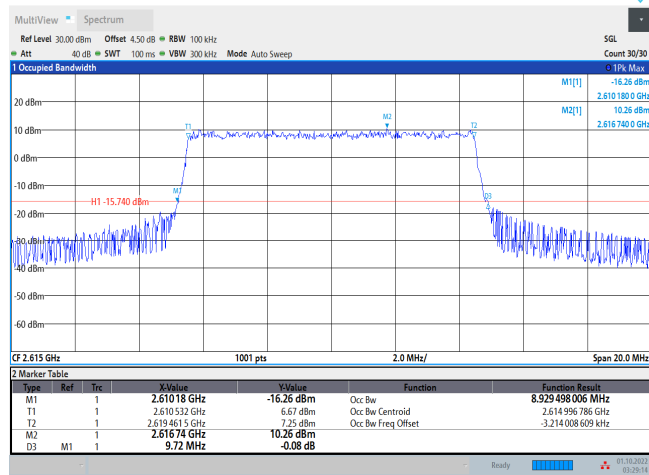
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Band38-10MHz-256QAM-38000-50RB#0



03:28:07 01.10.2022

Band38-10MHz-256QAM-38200-50RB#0



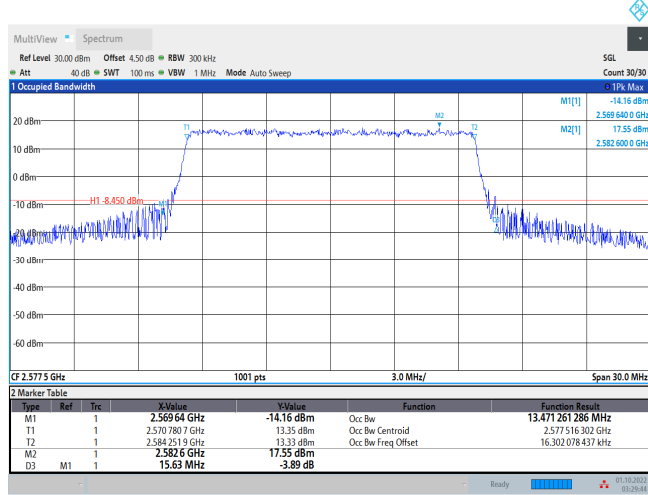
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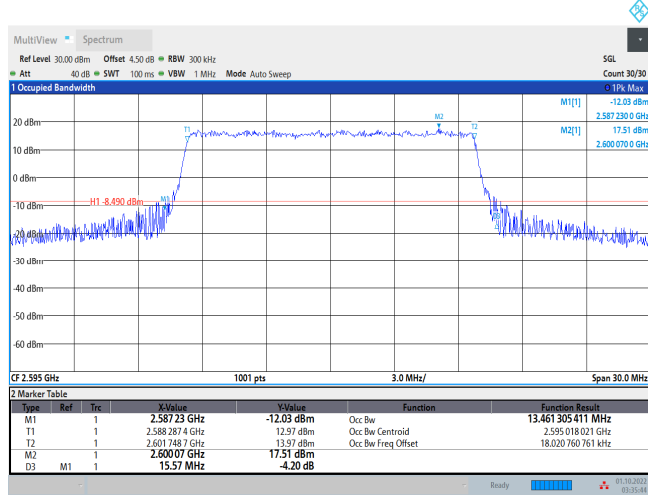
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Band38-15MHz-QPSK-37825-75RB#0



03:29:45 01.10.2022

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



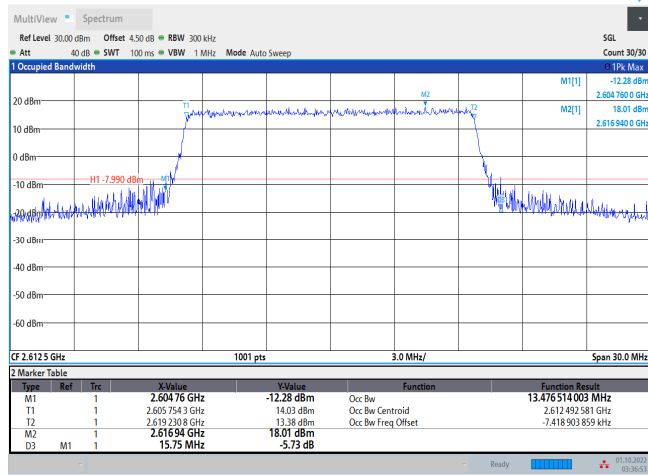
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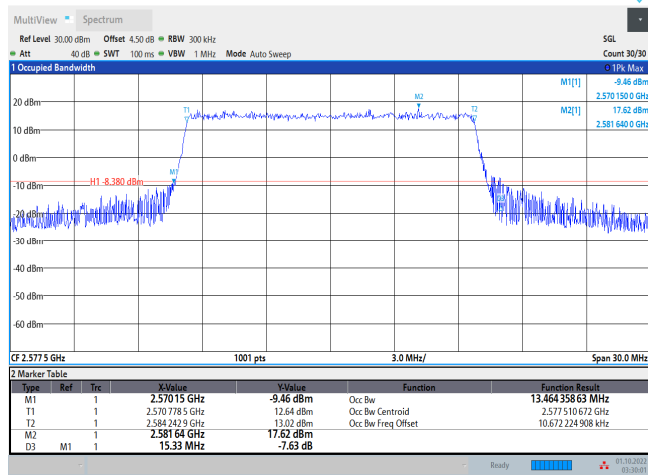
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Band38-15MHz-QPSK-38175-75RB#0



03:36:53 01.10.2022

Band38-15MHz-16QAM-37825-75RB#0



03:30:01 01.10.2022



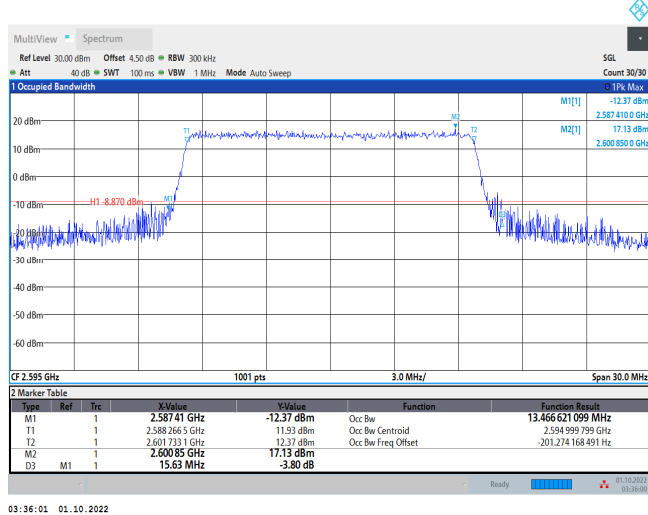
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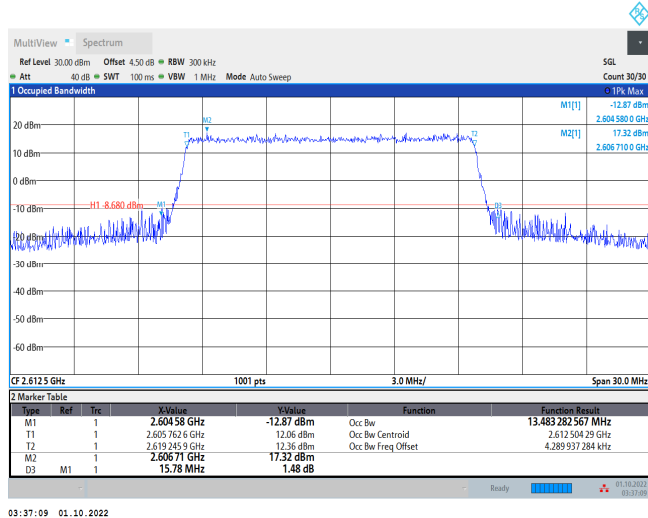
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Band38-15MHz-16QAM-38000-75RB#0



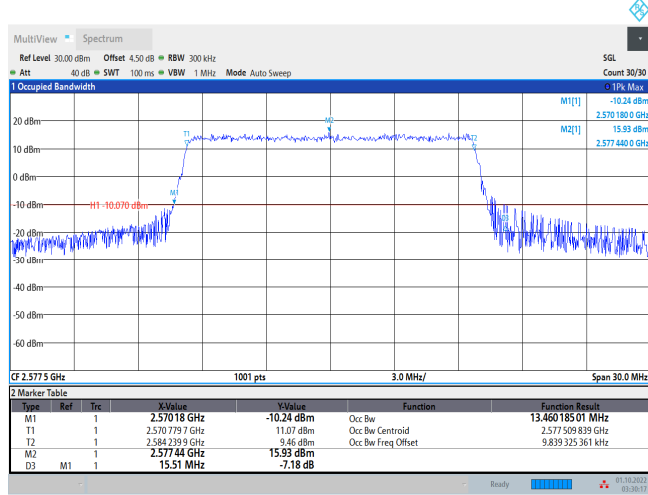
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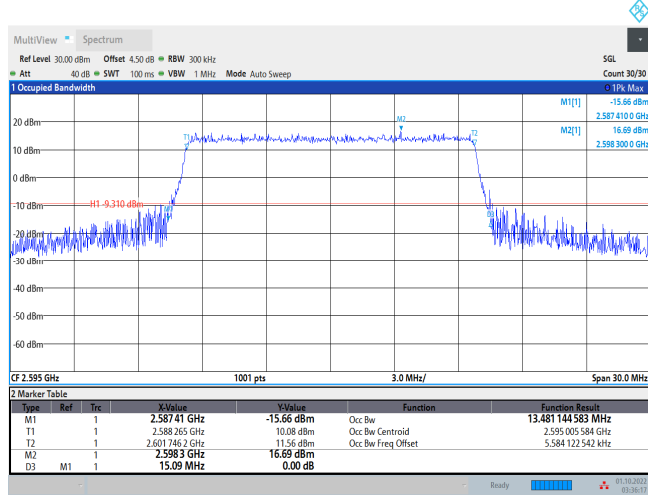
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Band38-15MHz-64QAM-37825-75RB#0



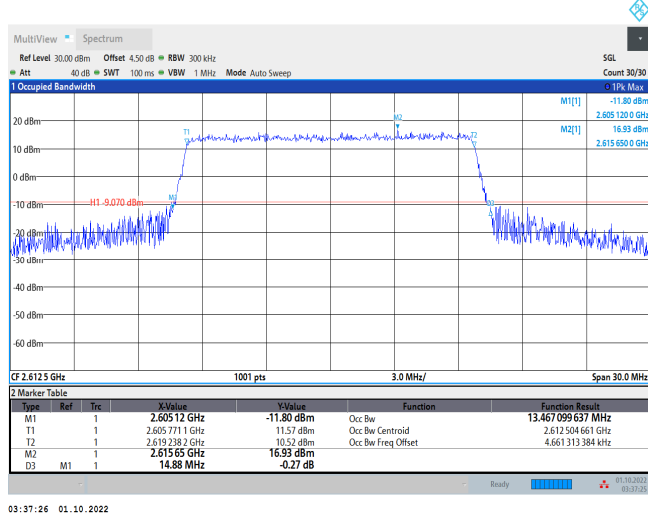
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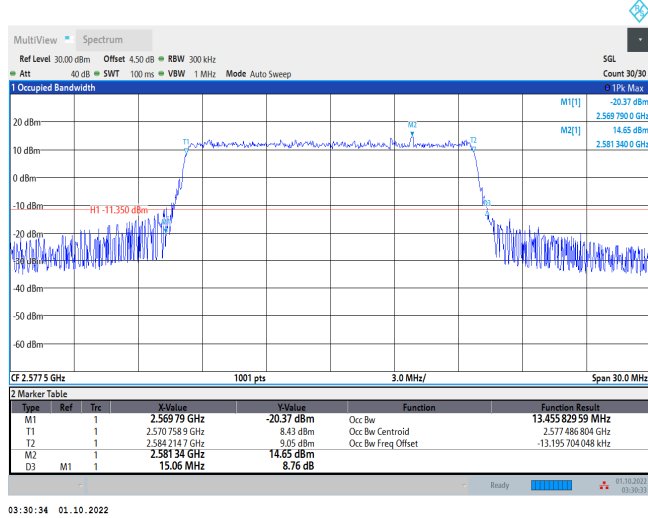
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Band38-15MHz-64QAM-38175-75RB#0



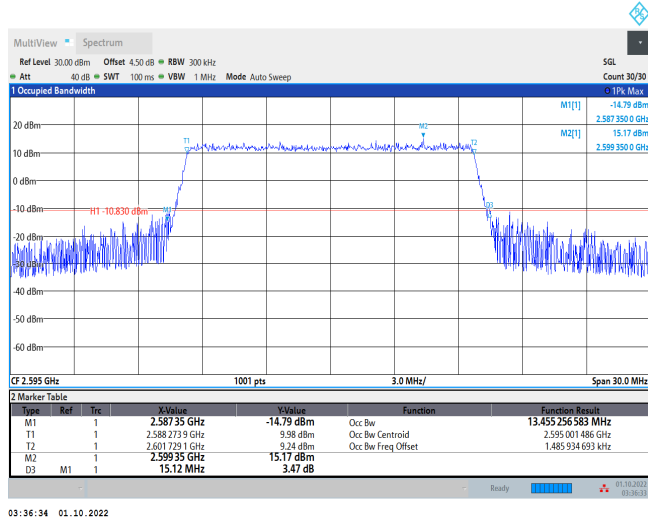
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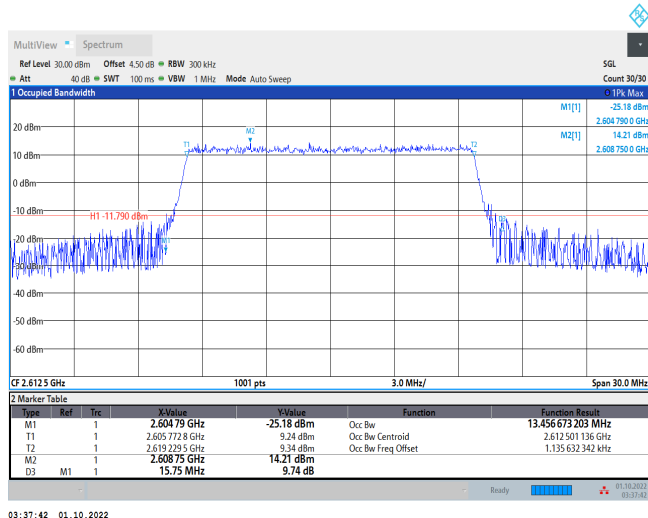
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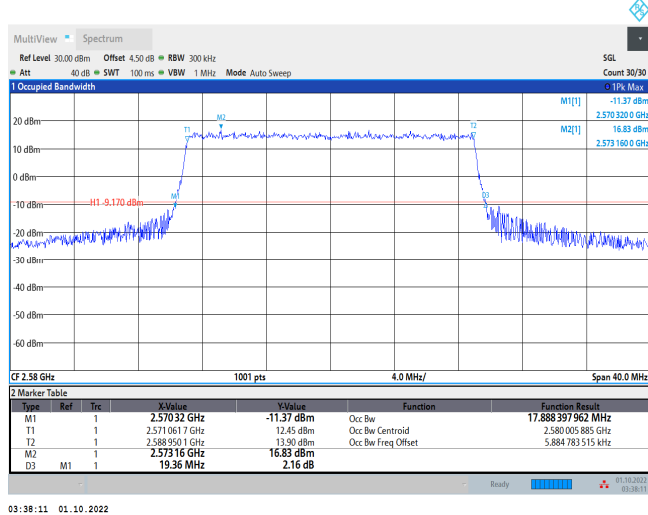


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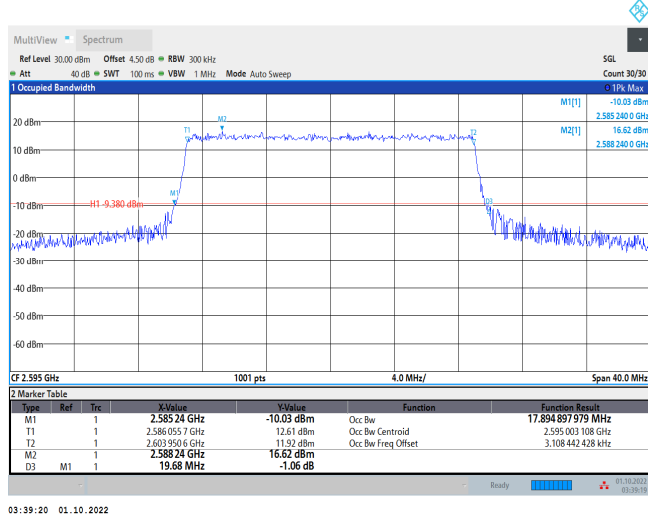
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Band38-20MHz-QPSK-37850-100RB#0



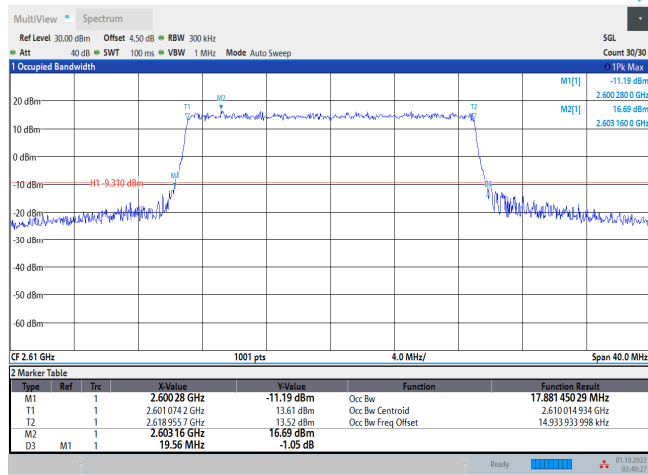
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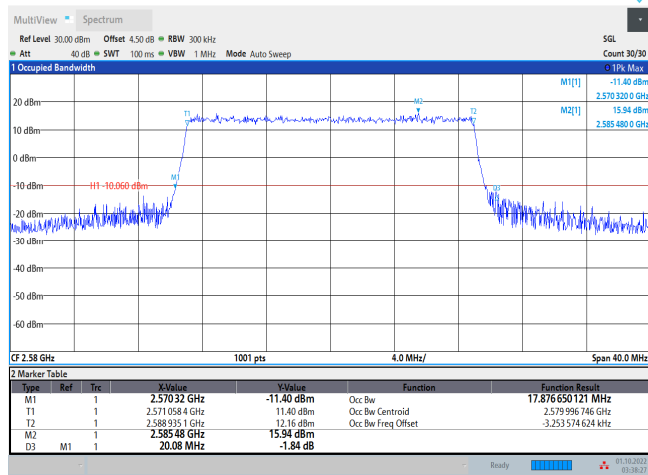
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Band38-20MHz-QPSK-38150-100RB#0



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



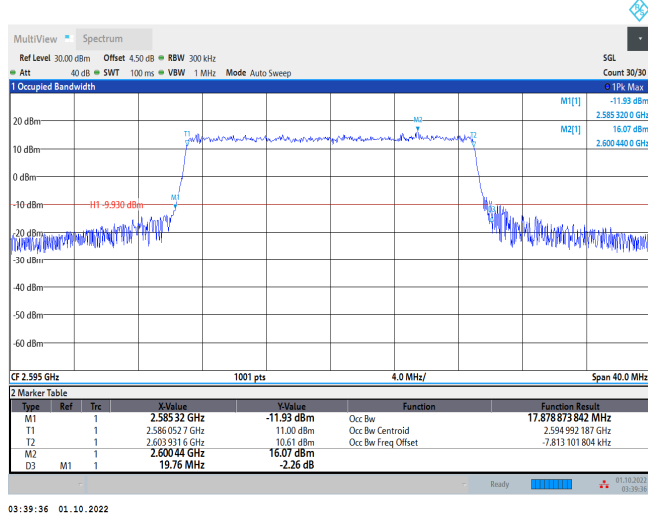
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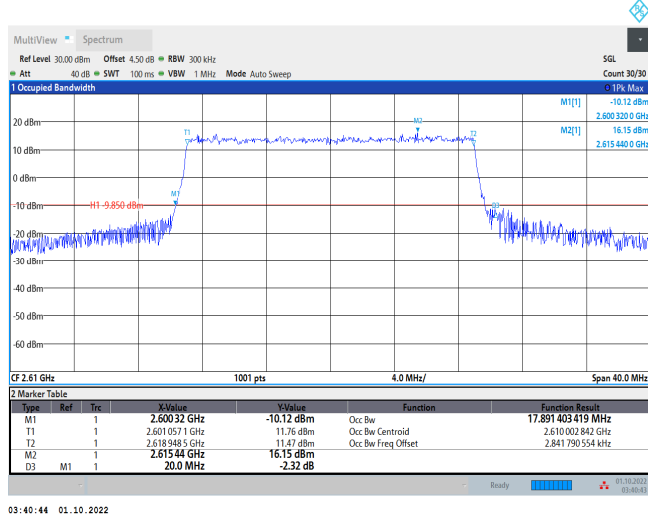
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Band38-20MHz-16QAM-38000-100RB#0



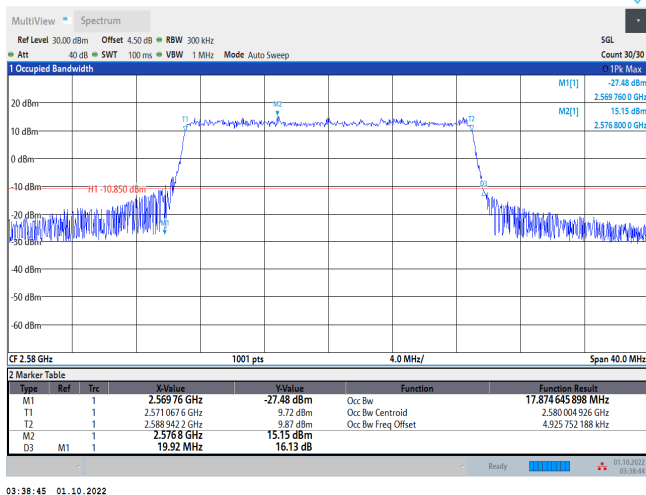
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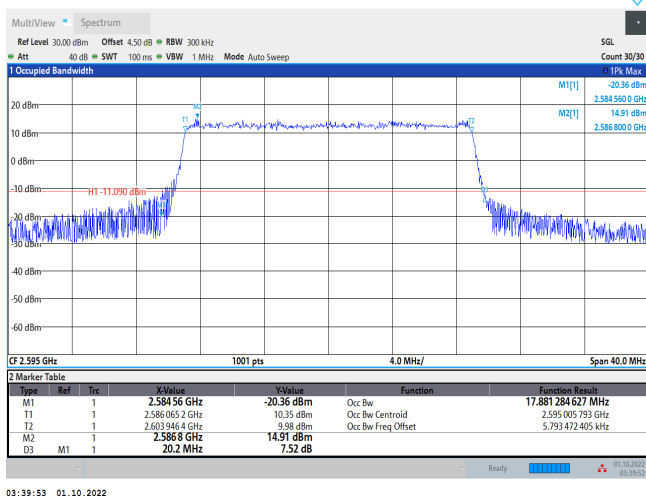
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Band38-20MHz-64QAM-37850-100RB#0



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

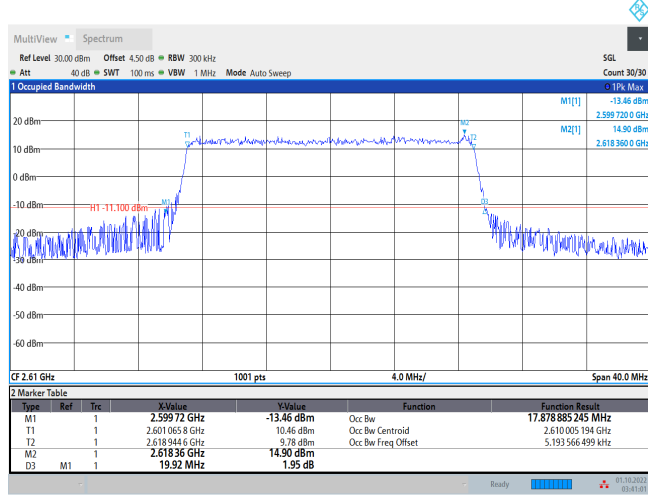


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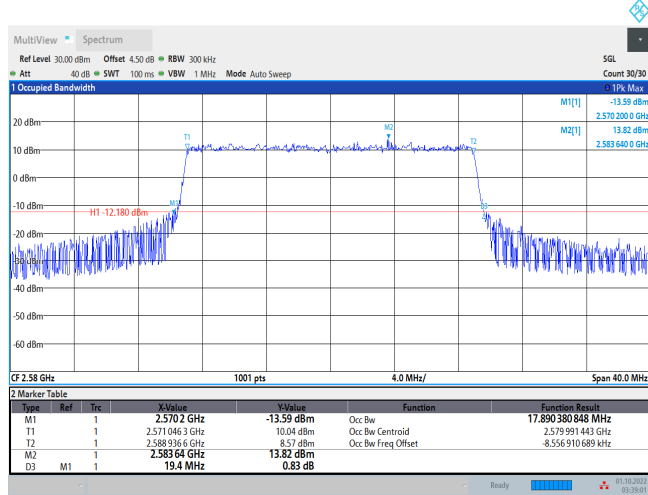
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Band38-20MHz-64QAM-38150-100RB#0



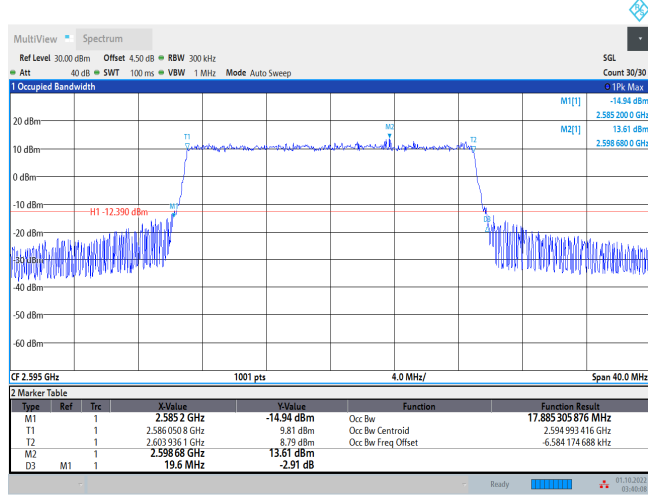
Band38-20MHz-256QAM-37850-100RB#0



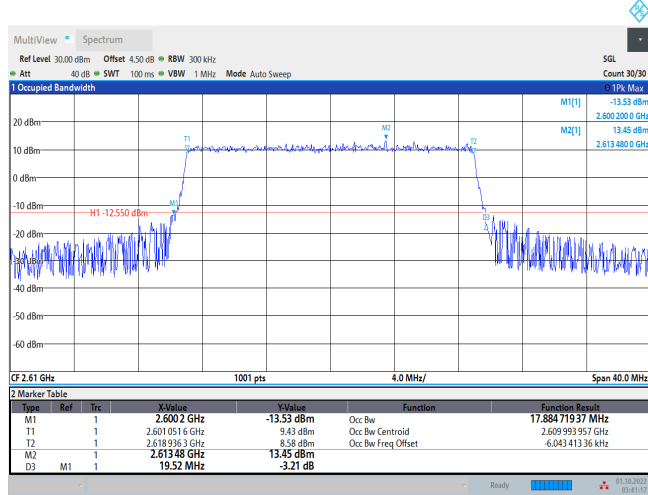
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Band38-20MHz-256QAM-38000-100RB#0



Band38-20MHz-256QAM-38150-100RB#0



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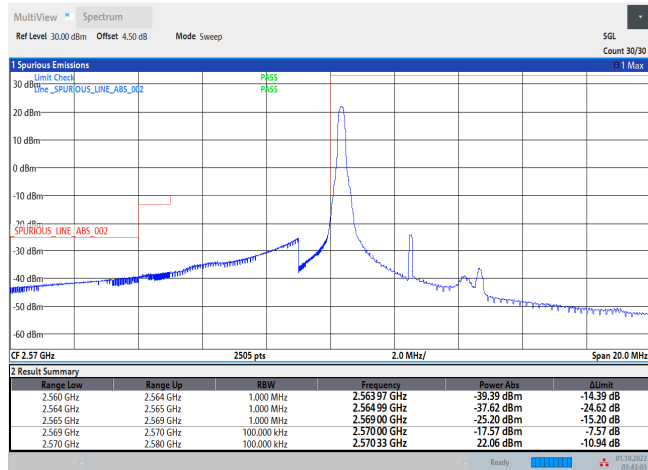
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Band Edge

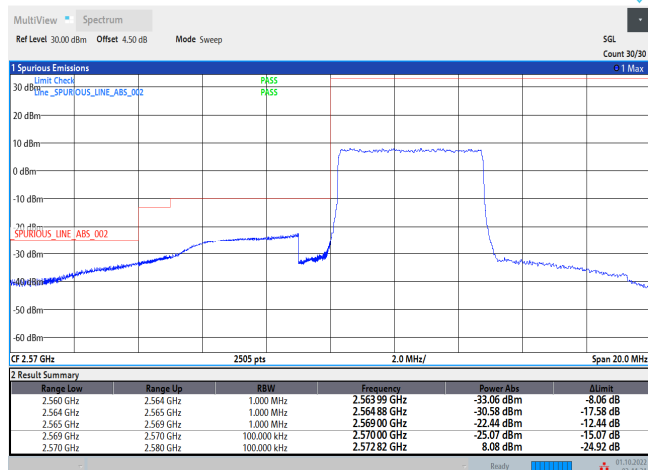
Test Graphs

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



03:43:03 01.10.2022

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



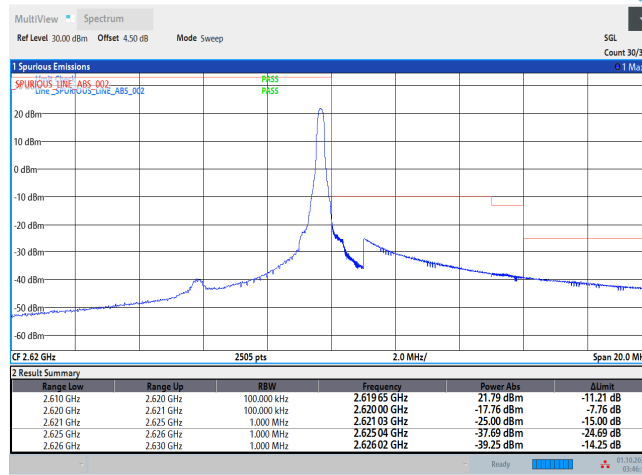
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Band38-5MHz-QPSK-38225-1RB#24



03:46:18 01.10.2022

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



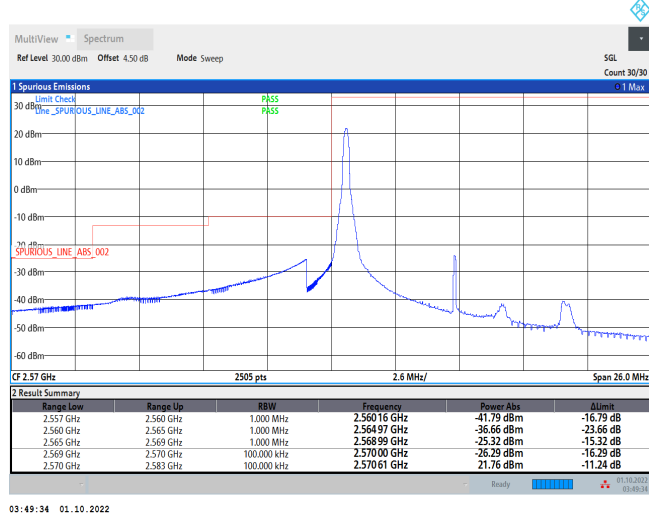
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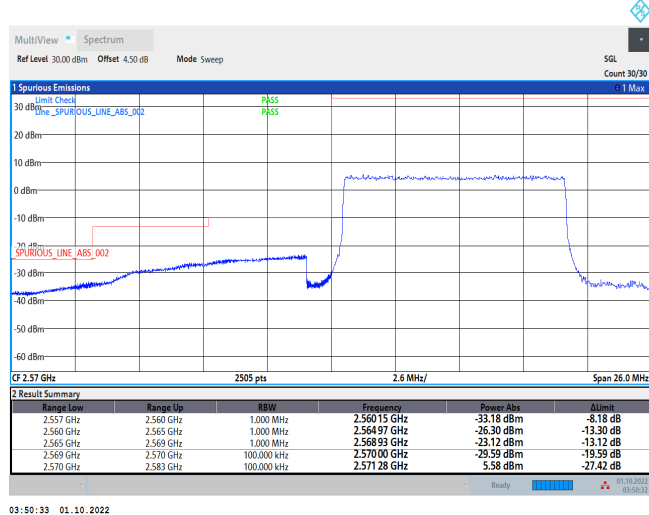
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Band38-10MHz-QPSK-37800-1RB#0



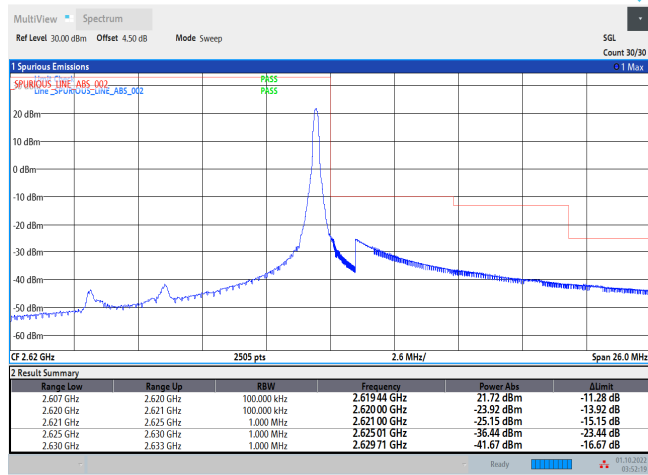
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Band38-10MHz-QPSK-38200-1RB#49



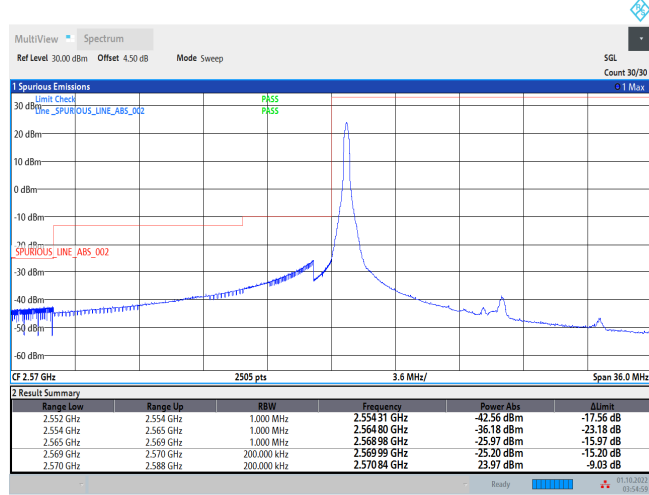
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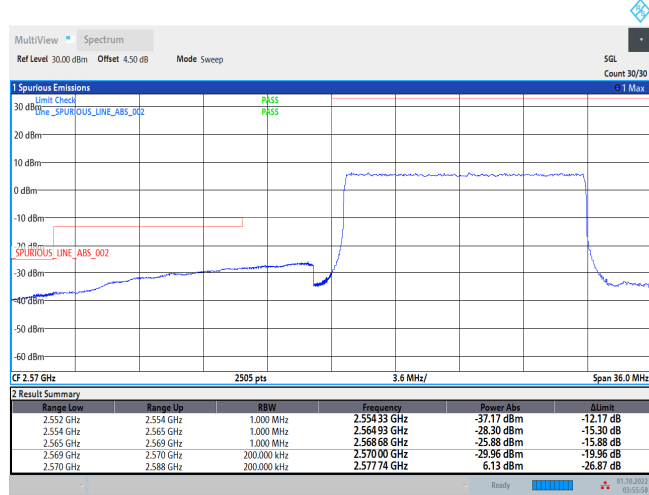
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Band38-15MHz-QPSK-37825-1RB#0



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

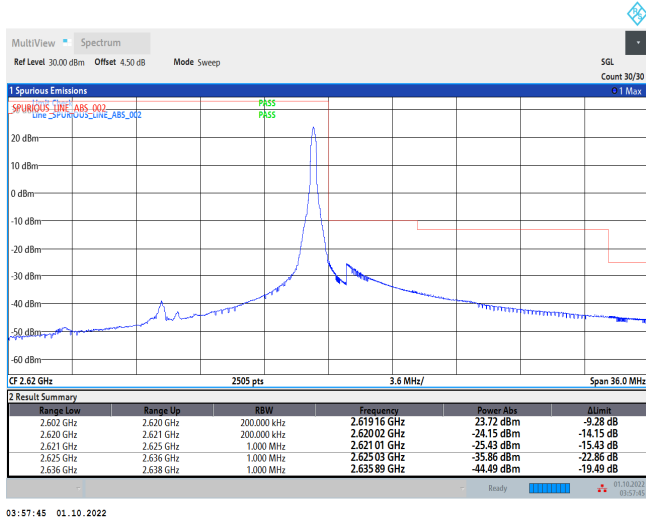


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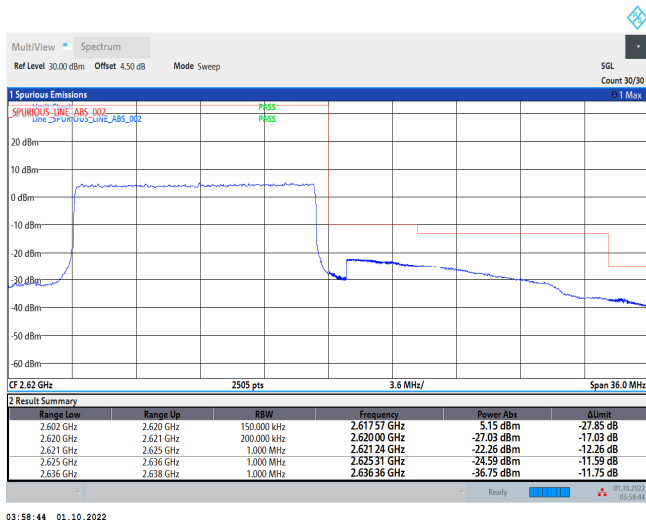
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Band38-15MHz-QPSK-38175-1RB#74



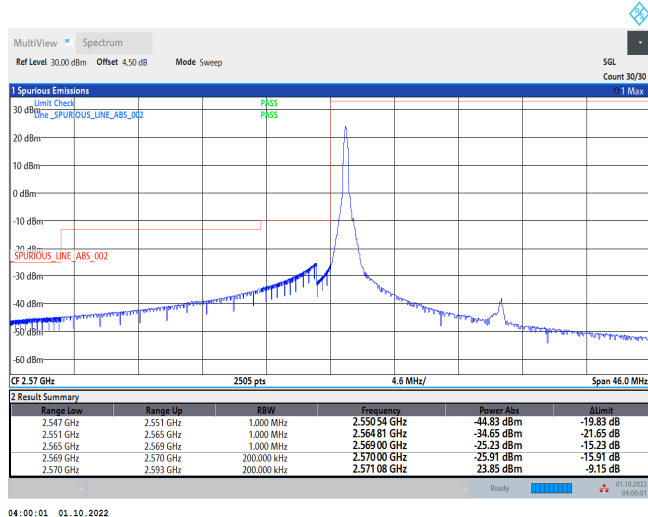
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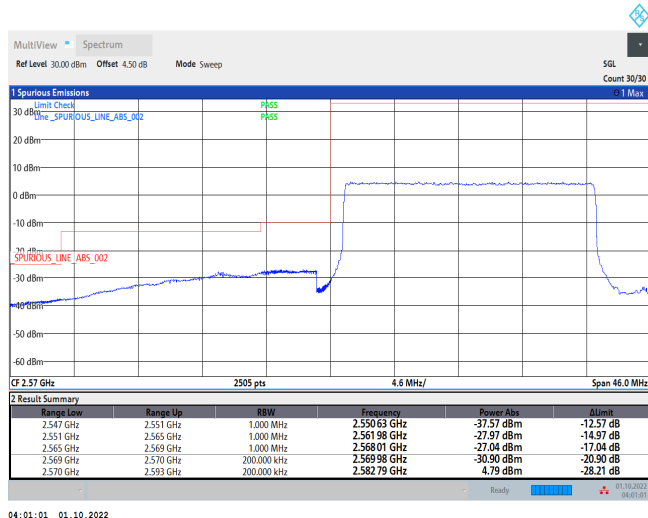
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Band38-20MHz-QPSK-37850-1RB#0



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

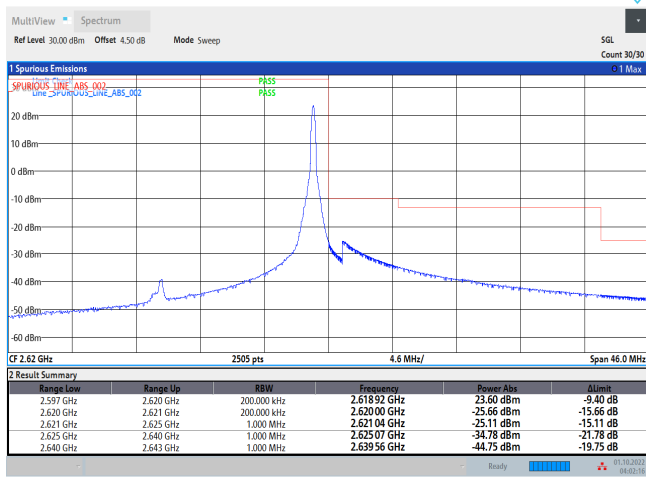


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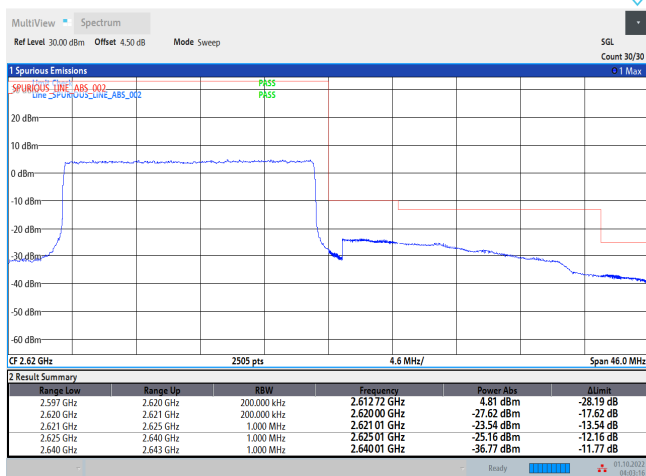
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Band38-20MHz-QPSK-38150-1RB#99



04:02:17 01.10.2022

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



04:03:16 01.10.2022



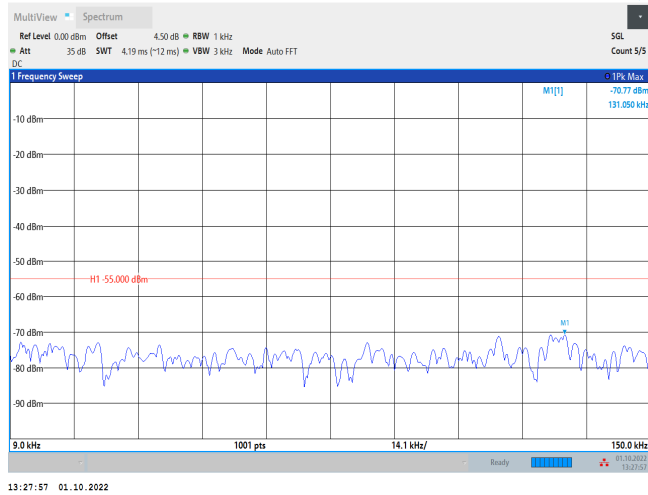
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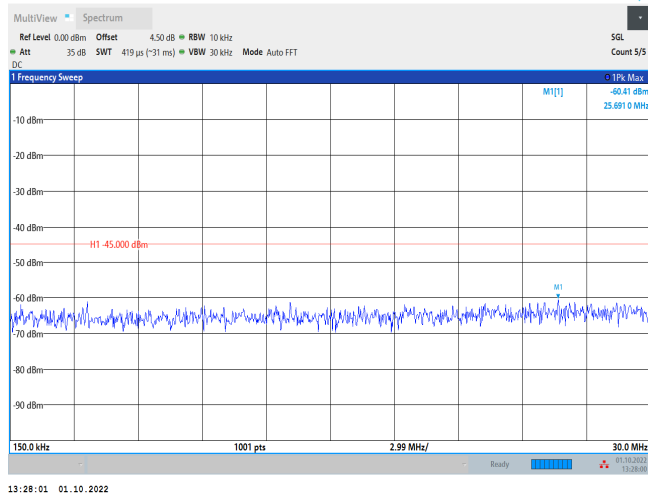
Conducted Spurious Emission

Test Graphs

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



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

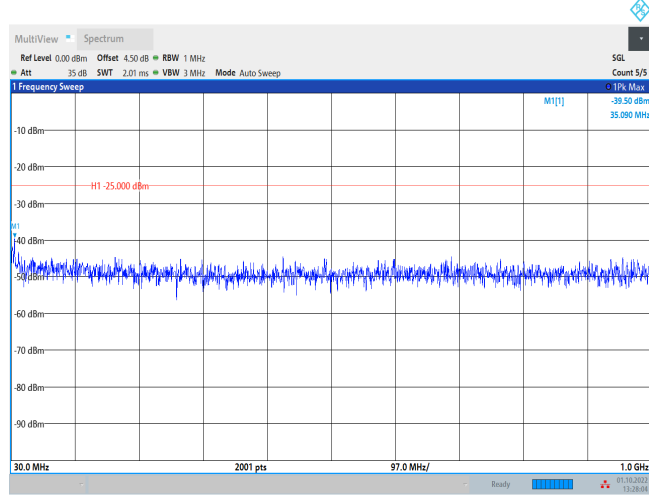


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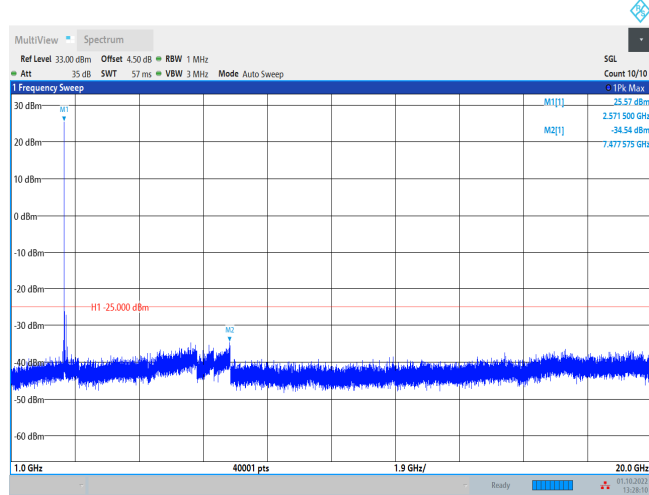
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Band38-20MHz-QPSK-37850-1RB#0-Range3:30~1000MHz



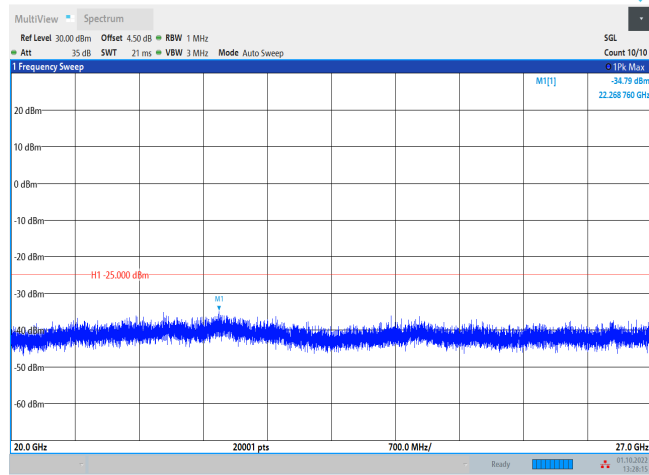
Band38-20MHz-QPSK-37850-1RB#0-Range4:1000~20000MHz



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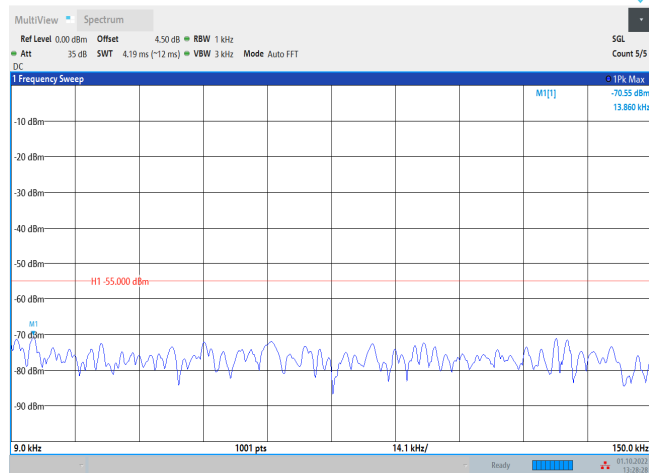
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Band38-20MHz-QPSK-37850-1RB#0-Range5:20000~27000MHz



13:28:16 01.10.2022

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



13:28:29 01.10.2022



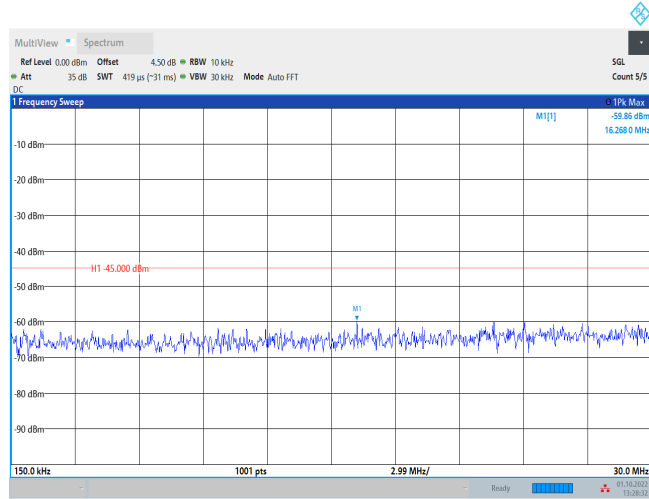
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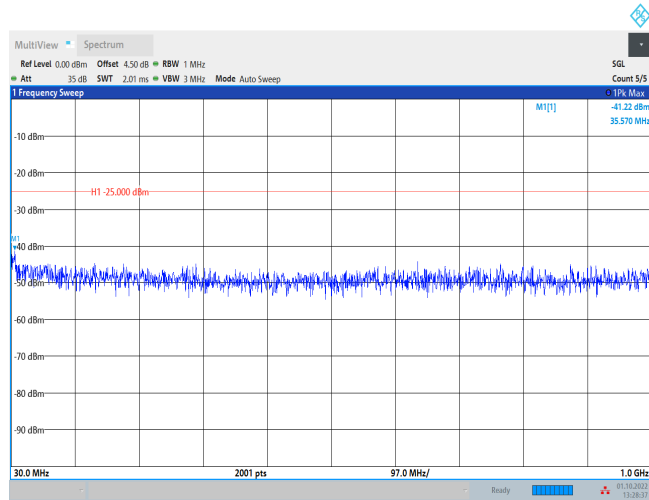
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Band38-20MHz-QPSK-38000-1RB#0-Range2:0.15~30MHz



13:28:33 01.10.2022

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



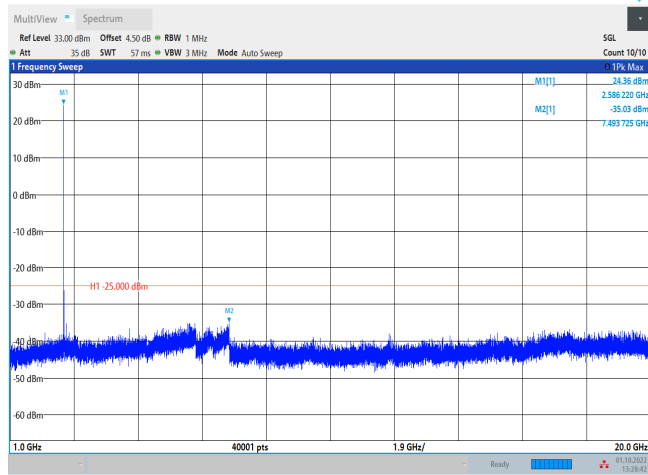
13:28:37 01.10.2022



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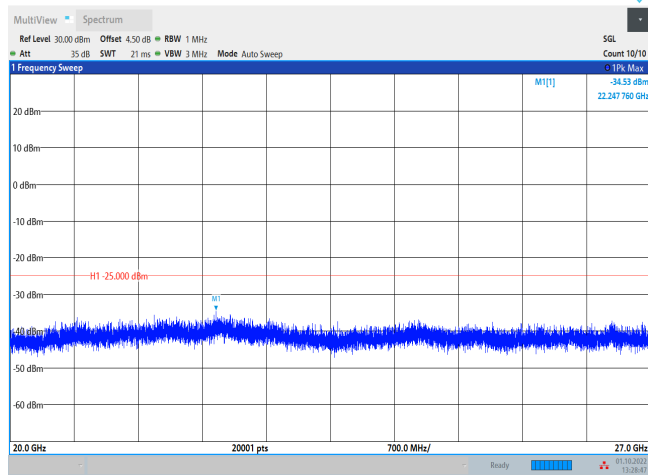
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Band38-20MHz-QPSK-38000-1RB#0-Range4:1000~20000MHz



13:28:42 01.10.2022

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



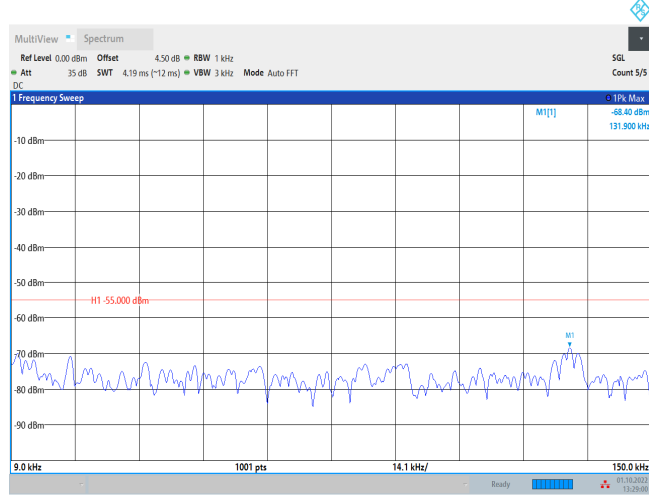
13:28:47 01.10.2022



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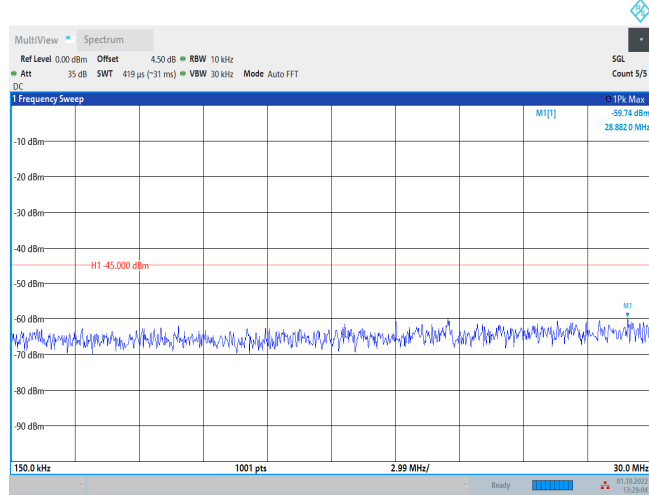
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Band38-20MHz-QPSK-38150-1RB#0-Range1:0.009~0.15MHz



13:29:01 01.10.2022

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



13:29:05 01.10.2022

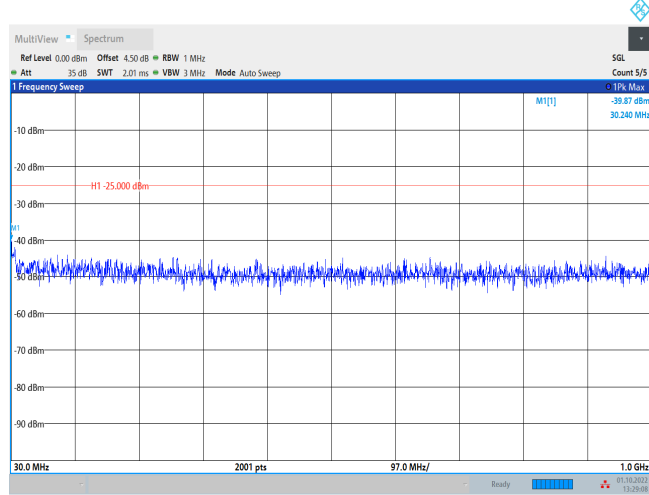


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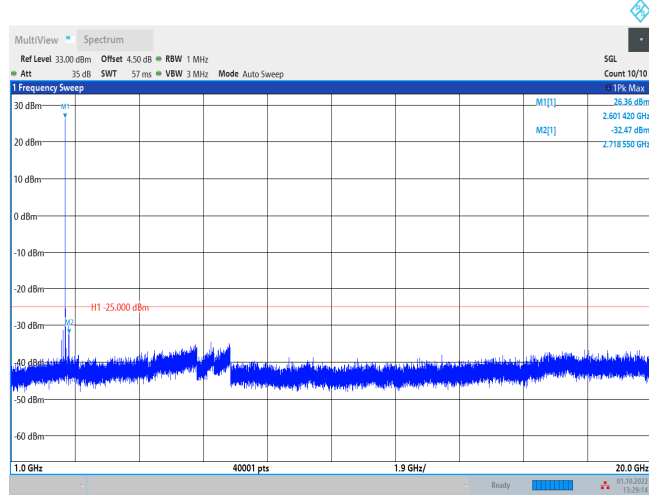
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Band38-20MHz-QPSK-38150-1RB#0-Range3:30~1000MHz



13:29:08 01.10.2022

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



13:29:14 01.10.2022



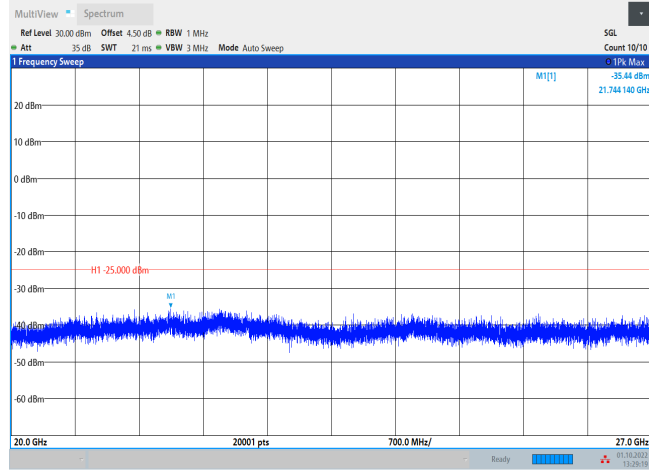
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Band38-20MHz-QPSK-38150-1RB#0-Range5:20000~27000MHz



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 Wireless Laboratories

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Field Strength of Spurious Radiation

Test Band = LTE Band 38 ANTO_TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5142.18	50.10	-44.23	32.60	-56.79	-25.00	31.79	263	201	Horizontal
2	7713.27	47.78	-41.23	36.93	-51.78	-25.00	26.78	158	89	Horizontal
3	10284.36	42.26	-36.79	38.81	-50.98	-25.00	25.98	157	114	Horizontal
4	12855.45	40.23	-34.96	39.46	-50.53	-25.00	25.53	196	71	Horizontal
5	15426.54	39.39	-33.96	38.64	-51.18	-25.00	26.18	214	360	Horizontal
6	17997.63	40.27	-31.42	42.59	-43.82	-25.00	18.82	226	210	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5142.18	49.29	-44.23	32.60	-57.60	-25.00	32.60	256	114	Vertical
2	7713.27	49.44	-41.23	36.93	-50.12	-25.00	25.12	198	184	Vertical
3	10284.36	43.14	-36.79	38.81	-50.10	-25.00	25.10	215	131	Vertical
4	12855.45	39.72	-34.96	39.46	-51.04	-25.00	26.04	227	174	Vertical
5	15426.54	38.89	-33.96	38.64	-51.68	-25.00	26.68	167	226	Vertical
6	17997.63	39.54	-31.42	42.59	-44.55	-25.00	19.55	213	286	Vertical



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Test Band = LTE Band 38 ANT0_TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4399.2857	51.13	-44.90	31.24	-57.79	-25.00	32.79	167	148	Horizontal
2	5172.18	49.30	-44.19	32.60	-57.55	-25.00	32.55	218	359	Horizontal
3	7758.27	49.86	-40.91	37.02	-49.29	-25.00	24.29	228	53	Horizontal
4	10344.36	42.36	-36.67	38.88	-50.69	-25.00	25.69	296	360	Horizontal
5	12930.45	40.90	-34.88	39.53	-49.71	-25.00	24.71	263	322	Horizontal
6	15516.54	40.42	-34.12	38.53	-50.43	-25.00	25.43	148	235	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4452.8571	51.80	-44.83	31.32	-56.96	-25.00	31.96	163	11	Vertical
2	5172.18	50.42	-44.19	32.60	-56.43	-25.00	31.43	178	80	Vertical
3	7758.27	51.80	-40.91	37.02	-47.35	-25.00	22.35	159	10	Vertical
4	10344.36	42.24	-36.67	38.88	-50.81	-25.00	25.81	264	63	Vertical
5	12930.45	40.67	-34.88	39.53	-49.94	-25.00	24.94	225	3	Vertical
6	15516.54	39.88	-34.12	38.53	-50.97	-25.00	25.97	173	208	Vertical



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Test Band = LTE Band 38 ANT0_TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4270.7143	52.09	-44.96	31.03	-57.10	-25.00	32.10	153	287	Horizontal
2	5202.18	50.16	-44.15	32.60	-56.65	-25.00	31.65	195	321	Horizontal
3	7803.27	52.31	-40.62	37.11	-46.46	-25.00	21.46	167	55	Horizontal
4	10404.36	40.94	-36.47	38.95	-51.84	-25.00	26.84	186	210	Horizontal
5	13005.45	41.90	-34.89	39.60	-48.64	-25.00	23.64	252	305	Horizontal
6	15606.54	38.59	-33.91	38.41	-52.17	-25.00	27.17	163	242	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4266.4286	51.73	-44.97	31.03	-57.47	-25.00	32.47	221	360	Vertical
2	5202.18	51.48	-44.15	32.60	-55.33	-25.00	30.33	241	165	Vertical
3	7803.27	53.22	-40.62	37.11	-45.55	-25.00	20.55	253	360	Vertical
4	10404.36	44.31	-36.47	38.95	-48.47	-25.00	23.47	197	140	Vertical
5	13005.45	42.69	-34.89	39.60	-47.85	-25.00	22.85	156	157	Vertical
6	15606.54	38.43	-33.91	38.41	-52.33	-25.00	27.33	182	80	Vertical



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Test Band = LTE Band 38 ANT1_TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5142.18	48.19	-44.23	32.60	-58.70	-25.00	33.70	139	233	Horizontal
2	7713.27	47.93	-41.23	36.93	-51.63	-25.00	26.63	214	165	Horizontal
3	10284.36	40.43	-36.79	38.81	-52.81	-25.00	27.81	263	259	Horizontal
4	12855.45	39.00	-34.96	39.46	-51.76	-25.00	26.76	227	349	Horizontal
5	15426.54	38.57	-33.96	38.64	-52.00	-25.00	27.00	158	53	Horizontal
6	17997.63	37.74	-31.42	42.59	-46.35	-25.00	21.35	176	106	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5142.18	48.20	-44.23	32.60	-58.69	-25.00	33.69	156	317	Vertical
2	7713.27	47.31	-41.23	36.93	-52.25	-25.00	27.25	178	88	Vertical
3	10284.36	40.95	-36.79	38.81	-52.29	-25.00	27.29	215	44	Vertical
4	12855.45	39.35	-34.96	39.46	-51.41	-25.00	26.41	227	189	Vertical
5	15426.54	38.27	-33.96	38.64	-52.30	-25.00	27.30	193	3	Vertical
6	17997.63	39.62	-31.42	42.59	-44.47	-25.00	19.47	263	122	Vertical



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Test Band = LTE Band 38 ANT1_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4397.1429	51.52	-44.90	31.24	-57.41	-25.00	32.41	231	191	Horizontal
2	5172.18	48.16	-44.19	32.60	-58.69	-25.00	33.69	241	304	Horizontal
3	7758.27	48.44	-40.91	37.02	-50.71	-25.00	25.71	256	166	Horizontal
4	10344.36	43.06	-36.67	38.88	-49.99	-25.00	24.99	287	71	Horizontal
5	12930.45	40.91	-34.88	39.53	-49.70	-25.00	24.70	156	360	Horizontal
6	15516.54	39.77	-34.12	38.53	-51.08	-25.00	26.08	173	360	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4427.1429	50.40	-44.86	31.28	-58.44	-25.00	33.44	173	157	Vertical
2	5172.18	49.13	-44.19	32.60	-57.72	-25.00	32.72	152	166	Vertical
3	7758.27	51.91	-40.91	37.02	-47.24	-25.00	22.24	167	28	Vertical
4	10344.36	42.80	-36.67	38.88	-50.25	-25.00	25.25	225	352	Vertical
5	12930.45	40.11	-34.88	39.53	-50.50	-25.00	25.50	263	314	Vertical
6	15516.54	39.78	-34.12	38.53	-51.07	-25.00	26.07	194	166	Vertical



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Test Band = LTE Band 38 ANT1_TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4431.4286	51.30	-44.86	31.29	-57.53	-25.00	32.53	167	265	Horizontal
2	5202.18	48.96	-44.15	32.60	-57.85	-25.00	32.85	157	141	Horizontal
3	7803.27	47.11	-40.62	37.11	-51.66	-25.00	26.66	186	360	Horizontal
4	10404.36	41.35	-36.47	38.95	-51.43	-25.00	26.43	192	360	Horizontal
5	13005.45	40.39	-34.89	39.60	-50.15	-25.00	25.15	164	90	Horizontal
6	15606.54	36.94	-33.91	38.41	-53.82	-25.00	28.82	155	360	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4416.4286	50.76	-44.88	31.27	-58.11	-25.00	33.11	179	133	Vertical
2	5202.18	48.79	-44.15	32.60	-58.02	-25.00	33.02	251	193	Vertical
3	7803.27	46.79	-40.62	37.11	-51.98	-25.00	26.98	143	218	Vertical
4	10404.36	40.08	-36.47	38.95	-52.70	-25.00	27.70	156	281	Vertical
5	13005.45	40.85	-34.89	39.60	-49.69	-25.00	24.69	271	63	Vertical
6	15606.54	38.57	-33.91	38.41	-52.19	-25.00	27.19	226	202	Vertical



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Test Band = LTE Band 38 ANT2_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5142.18	48.71	-44.23	32.60	-58.18	-25.00	33.18	169	11	Horizontal
2	7713.27	47.22	-41.23	36.93	-52.34	-25.00	27.34	178	359	Horizontal
3	10284.36	40.95	-36.79	38.81	-52.29	-25.00	27.29	154	71	Horizontal
4	12855.45	38.99	-34.96	39.46	-51.77	-25.00	26.77	182	209	Horizontal
5	15426.54	38.52	-33.96	38.64	-52.05	-25.00	27.05	163	209	Horizontal
6	17997.63	39.10	-31.42	42.59	-44.99	-25.00	19.99	157	184	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5142.18	49.17	-44.23	32.60	-57.72	-25.00	32.72	231	288	Vertical
2	7713.27	47.10	-41.23	36.93	-52.46	-25.00	27.46	216	359	Vertical
3	10284.36	40.82	-36.79	38.81	-52.42	-25.00	27.42	175	331	Vertical
4	12855.45	40.05	-34.96	39.46	-50.71	-25.00	25.71	194	149	Vertical
5	15426.54	38.70	-33.96	38.64	-51.87	-25.00	26.87	185	54	Vertical
6	17997.63	38.15	-31.42	42.59	-45.94	-25.00	20.94	223	174	Vertical



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Test Band = LTE Band 38 ANT2_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4497.8571	51.39	-44.76	31.40	-57.24	-25.00	32.24	142	36	Horizontal
2	5172.18	48.24	-44.19	32.60	-58.61	-25.00	33.61	165	10	Horizontal
3	7758.27	48.61	-40.91	37.02	-50.54	-25.00	25.54	217	350	Horizontal
4	10344.36	41.30	-36.67	38.88	-51.75	-25.00	26.75	224	360	Horizontal
5	12930.45	39.66	-34.88	39.53	-50.95	-25.00	25.95	283	232	Horizontal
6	15516.54	41.23	-34.12	38.53	-49.62	-25.00	24.62	194	198	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4397.1429	51.02	-44.90	31.24	-57.91	-25.00	32.91	175	360	Vertical
2	5172.18	48.96	-44.19	32.60	-57.89	-25.00	32.89	167	360	Vertical
3	7758.27	51.10	-40.91	37.02	-48.05	-25.00	23.05	214	36	Vertical
4	10344.36	41.75	-36.67	38.88	-51.30	-25.00	26.30	228	122	Vertical
5	12930.45	41.14	-34.88	39.53	-49.47	-25.00	24.47	263	3	Vertical
6	15516.54	39.25	-34.12	38.53	-51.60	-25.00	26.60	192	104	Vertical



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Test Band = LTE Band 38 ANT2_ TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3891.4286	51.50	-45.48	30.34	-58.90	-25.00	33.90	169	288	Horizontal
2	5202.18	49.40	-44.15	32.60	-57.41	-25.00	32.41	178	28	Horizontal
3	7803.27	46.82	-40.62	37.11	-51.95	-25.00	26.95	154	219	Horizontal
4	10404.36	40.13	-36.47	38.95	-52.65	-25.00	27.65	152	360	Horizontal
5	13005.45	40.87	-34.89	39.60	-49.67	-25.00	24.67	163	279	Horizontal
6	15606.54	37.95	-33.91	38.41	-52.81	-25.00	27.81	216	183	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4296.4286	51.30	-44.94	31.07	-57.83	-25.00	32.83	213	243	Vertical
2	5202.18	49.73	-44.15	32.60	-57.08	-25.00	32.08	225	122	Vertical
3	7803.27	46.89	-40.62	37.11	-51.88	-25.00	26.88	178	3	Vertical
4	10404.36	40.81	-36.47	38.95	-51.97	-25.00	26.97	195	166	Vertical
5	13005.45	40.80	-34.89	39.60	-49.74	-25.00	24.74	216	360	Vertical
6	15606.54	38.04	-33.91	38.41	-52.72	-25.00	27.72	271	97	Vertical



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Test Band = LTE Band 38 ANT3_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5142.18	49.38	-44.23	32.60	-57.51	-25.00	32.51	169	269	Horizontal
2	7713.27	46.79	-41.23	36.93	-52.77	-25.00	27.77	172	294	Horizontal
3	10284.36	40.41	-36.79	38.81	-52.83	-25.00	27.83	154	199	Horizontal
4	12855.45	40.04	-34.96	39.46	-50.72	-25.00	25.72	186	79	Horizontal
5	15426.54	38.91	-33.96	38.64	-51.66	-25.00	26.66	231	10	Horizontal
6	17997.63	38.51	-31.42	42.59	-45.58	-25.00	20.58	256	130	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5142.18	48.93	-44.23	32.60	-57.96	-25.00	32.96	231	63	Vertical
2	7713.27	47.05	-41.23	36.93	-52.51	-25.00	27.51	142	167	Vertical
3	10284.36	40.74	-36.79	38.81	-52.50	-25.00	27.50	157	3	Vertical
4	12855.45	40.55	-34.96	39.46	-50.21	-25.00	25.21	268	315	Vertical
5	15426.54	39.26	-33.96	38.64	-51.31	-25.00	26.31	224	140	Vertical
6	17997.63	39.44	-31.42	42.59	-44.65	-25.00	19.65	153	211	Vertical



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Test Band = LTE Band 38 ANT3_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4412.1429	51.07	-44.88	31.26	-57.81	-25.00	32.81	231	200	Horizontal
2	5172.18	48.66	-44.19	32.60	-58.19	-25.00	33.19	241	200	Horizontal
3	7758.27	47.55	-40.91	37.02	-51.60	-25.00	26.60	256	54	Horizontal
4	10344.36	40.29	-36.67	38.88	-52.76	-25.00	27.76	257	360	Horizontal
5	12930.45	39.88	-34.88	39.53	-50.73	-25.00	25.73	156	295	Horizontal
6	15516.54	39.40	-34.12	38.53	-51.45	-25.00	26.45	194	148	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3919.2857	52.47	-45.47	30.41	-57.86	-25.00	32.86	164	28	Vertical
2	5172.18	49.02	-44.19	32.60	-57.83	-25.00	32.83	178	90	Vertical
3	7758.27	51.38	-40.91	37.02	-47.77	-25.00	22.77	159	149	Vertical
4	10344.36	42.40	-36.67	38.88	-50.65	-25.00	25.65	215	185	Vertical
5	12930.45	40.59	-34.88	39.53	-50.02	-25.00	25.02	226	124	Vertical
6	15516.54	39.91	-34.12	38.53	-50.94	-25.00	25.94	271	210	Vertical



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Test Band = LTE Band 38 ANT3_ TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4324.2857	50.54	-44.93	31.12	-58.53	-25.00	33.53	147	360	Horizontal
2	5202.18	49.16	-44.15	32.60	-57.65	-25.00	32.65	159	288	Horizontal
3	7803.27	46.86	-40.62	37.11	-51.91	-25.00	26.91	216	209	Horizontal
4	10404.36	40.51	-36.47	38.95	-52.27	-25.00	27.27	224	297	Horizontal
5	13005.45	40.19	-34.89	39.60	-50.35	-25.00	25.35	286	19	Horizontal
6	15606.54	38.37	-33.91	38.41	-52.39	-25.00	27.39	231	359	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4354.2857	51.07	-44.92	31.17	-57.94	-25.00	32.94	157	114	Vertical
2	5202.18	49.55	-44.15	32.60	-57.26	-25.00	32.26	186	262	Vertical
3	7803.27	46.87	-40.62	37.11	-51.90	-25.00	26.90	215	193	Vertical
4	10404.36	40.52	-36.47	38.95	-52.26	-25.00	27.26	263	114	Vertical
5	13005.45	40.75	-34.89	39.60	-49.79	-25.00	24.79	192	4	Vertical
6	15606.54	38.15	-33.91	38.41	-52.61	-25.00	27.61	164	62	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	-1.20	-0.000462	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-1.40	-0.000539	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	-0.80	-0.000308	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-2.40	-0.000925	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	-0.90	-0.000347	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-10	-0.70	-0.000270	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	-2.10	-0.000809	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	0.30	0.000116	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	-1.50	-0.000578	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-0.90	-0.000347	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-2.10	-0.000809	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	-2.60	-0.001002	PASS

---End of Attachment---



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