Appendix A: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	8.43	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	8.41	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	6.99	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	8.52	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	6.99	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	8.43	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	7.48	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.35	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.38	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.46	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	6.75	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.41	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	8.29	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	8.46	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	8.41	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	8.35	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	8.55	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	8.41	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	8.41	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	6.20	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	5.86	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	4.72	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	8.35	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	7.65	13	PASS

Test Graphs

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

Date: 14.NOV.2019 18:21:25

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

Date: 14.NOV.2019 18:23:14

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

Date: 14.NOV.2019 18:24:16

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

Date: 14.NOV.2019 18:20:49

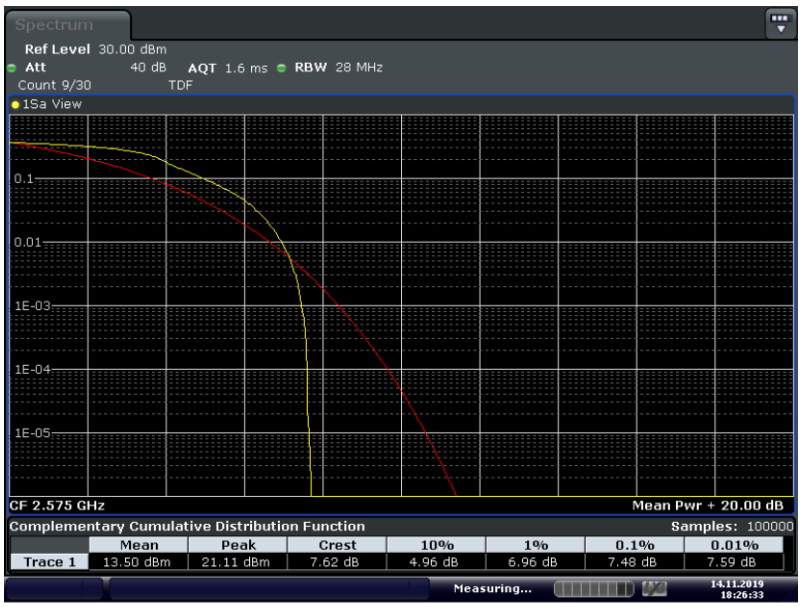
Band38-5MHz-16QAM-38000-25RB#0

Date: 14.NOV.2019 18:22:45

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

Date: 14.NOV.2019 18:24:43

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



Date: 14.NOV.2019 18:26:33

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

Date: 14.NOV.2019 18:27:11

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

Date: 14.NOV.2019 18:28:28

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

Date: 14.NOV.2019 18:25:44

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

Date: 14.NOV.2019 18:27:34

Band38-10MHz-16QAM-38200-50RB#0

Date: 14.NOV.2019 18:30:43

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

Date: 14.NOV.2019 18:32:20

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

Date: 14.NOV.2019 18:33:16

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

Date: 8.NOV.2019 09:32:36

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

Date: 14.NOV.2019 18:31:34

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

Date: 14.NOV.2019 18:33:50

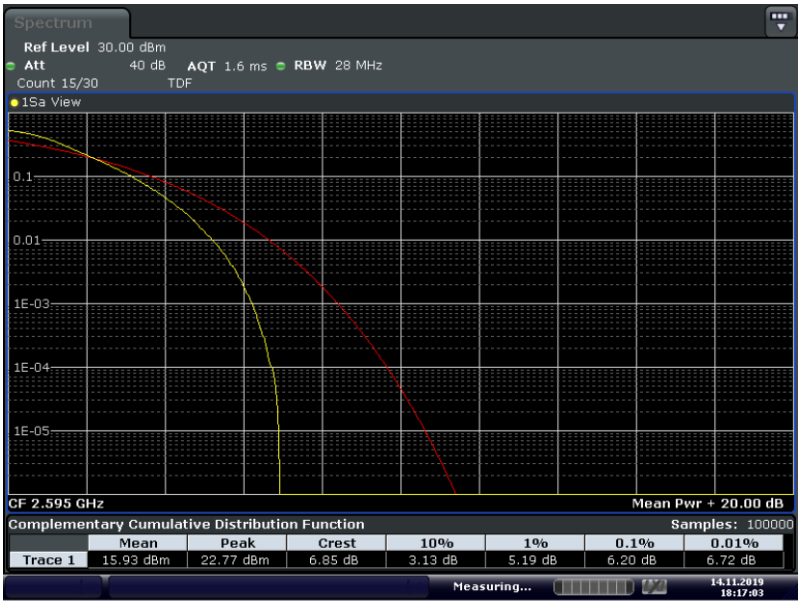
Band38-15MHz-16QAM-38175-75RB#0

Date: 8.NOV.2019 09:32:45

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

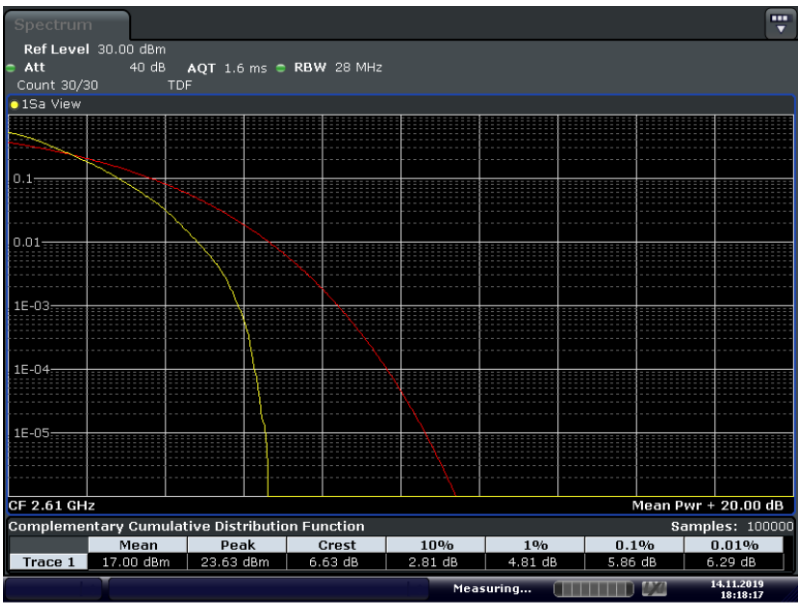
Date: 14.NOV.2019 18:12:01

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



Date: 14.NOV.2019 18:17:04

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



Date: 14.NOV.2019 18:18:18

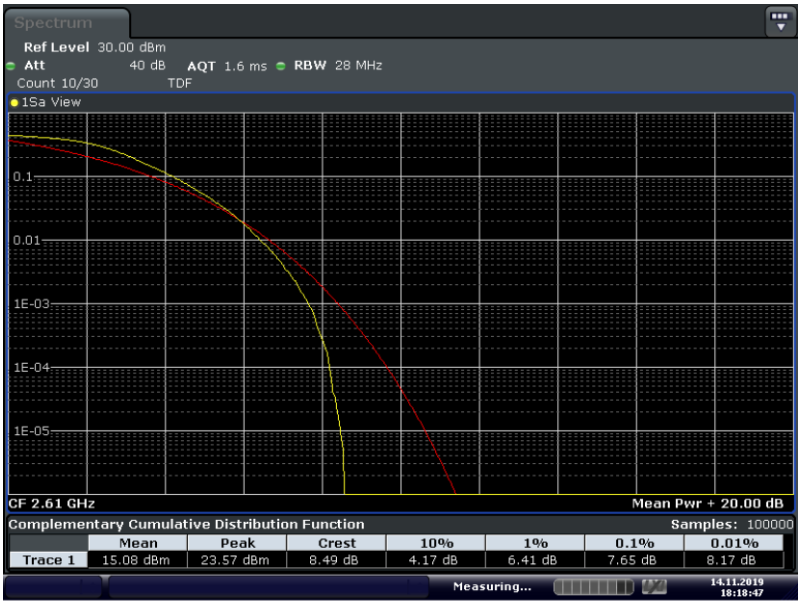
Band38-20MHz-16QAM-37850-100RB#0

Date: 14.NOV.2019 18:14:36

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

Date: 14.NOV.2019 18:16:12

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



Date: 14.NOV.2019 18:18:47

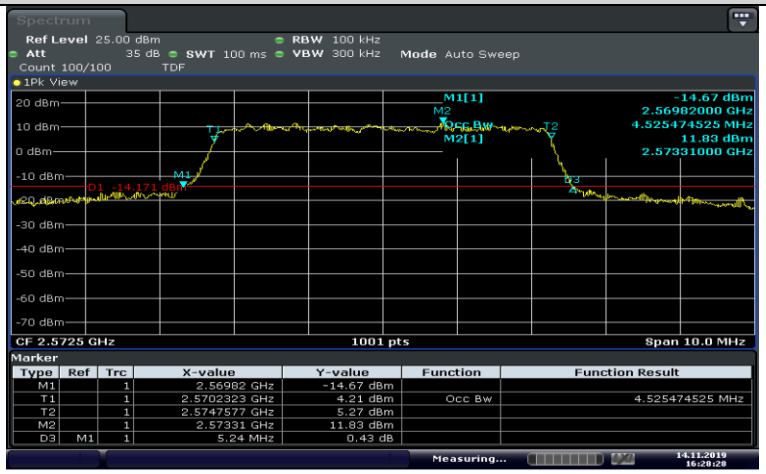
Appendix B: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.525	5.240	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.515	5.160	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.515	5.170	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.525	5.620	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.525	5.160	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.505	5.160	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.052	11.033	PASS
Band38	10MHz	QPSK	38000	50RB#0	9.018	11.267	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.985	10.067	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.018	10.400	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.018	10.900	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.985	10.333	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.577	16.150	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.527	15.950	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.577	15.950	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.577	16.000	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.527	15.850	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.577	16.050	PASS
Band38	20MHz	QPSK	37850	100RB#0	18.103	21.000	PASS
Band38	20MHz	QPSK	38000	100RB#0	18.103	20.467	PASS
Band38	20MHz	QPSK	38150	100RB#0	18.103	20.200	PASS
Band38	20MHz	16QAM	37850	100RB#0	18.037	20.667	PASS
Band38	20MHz	16QAM	38000	100RB#0	18.037	20.400	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.97	20.200	PASS

Test Graphs

Band38-5MHz-QPSK-37775-25RB#0-4.525

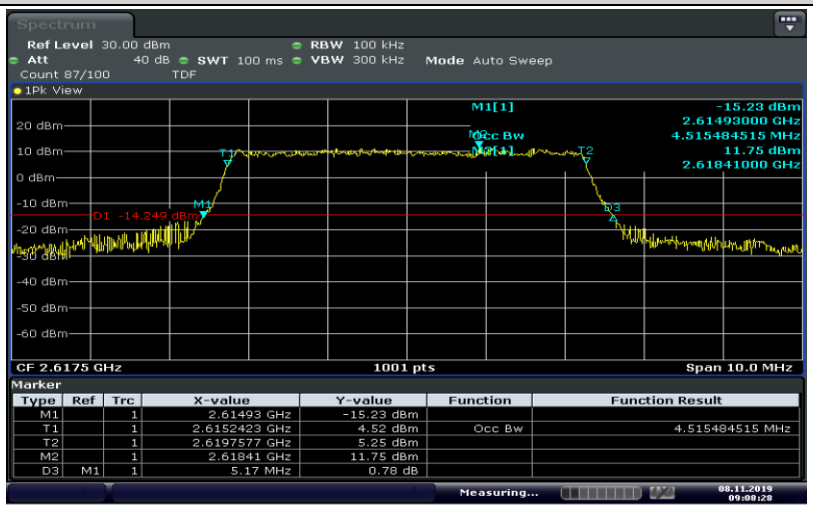


Date: 14.NOV.2019 16:28:29

Band38-5MHz-QPSK-38000-25RB#0-4.515

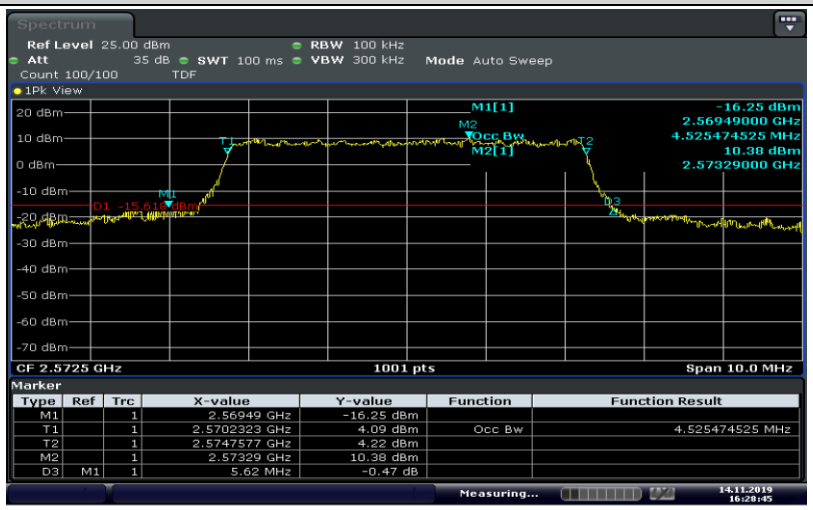
Date: 14.NOV.2019 16:29:05

Band38-5MHz-QPSK-38225-25RB#0-4.515



Date: 8.NOV.2019 09:08:29

Band38-5MHz-16QAM-37775-25RB#0-4.525



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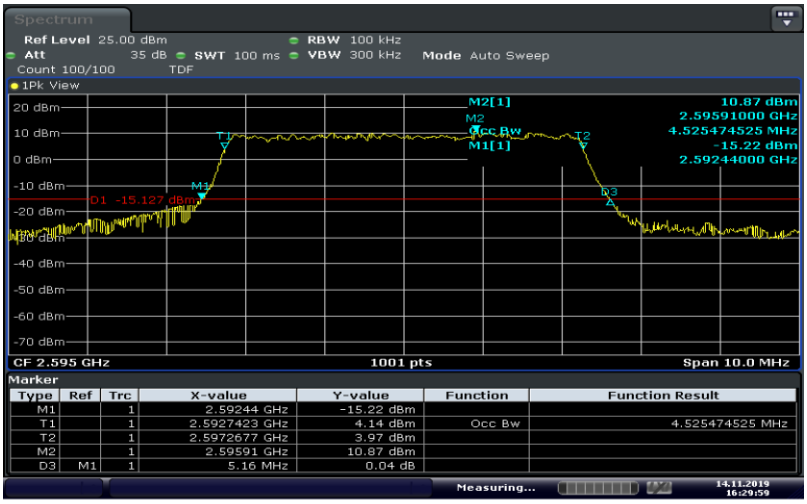
Band38-5MHz-16QAM-38000-25RB#0-4.525



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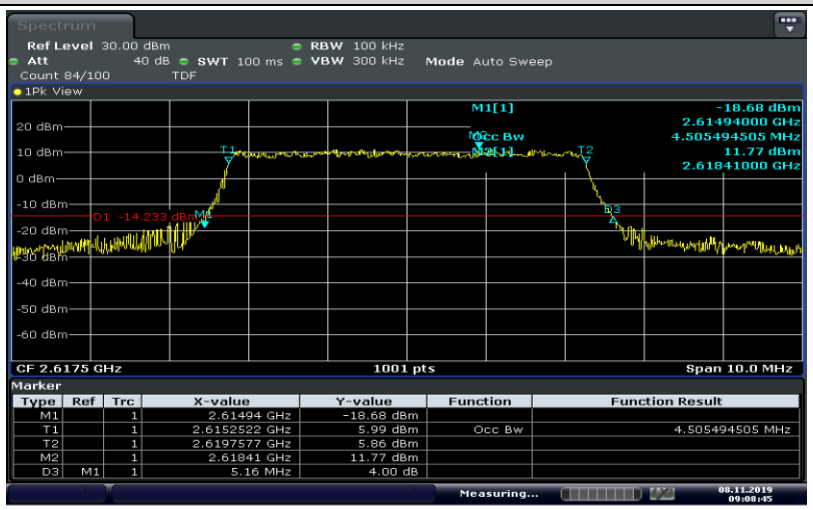
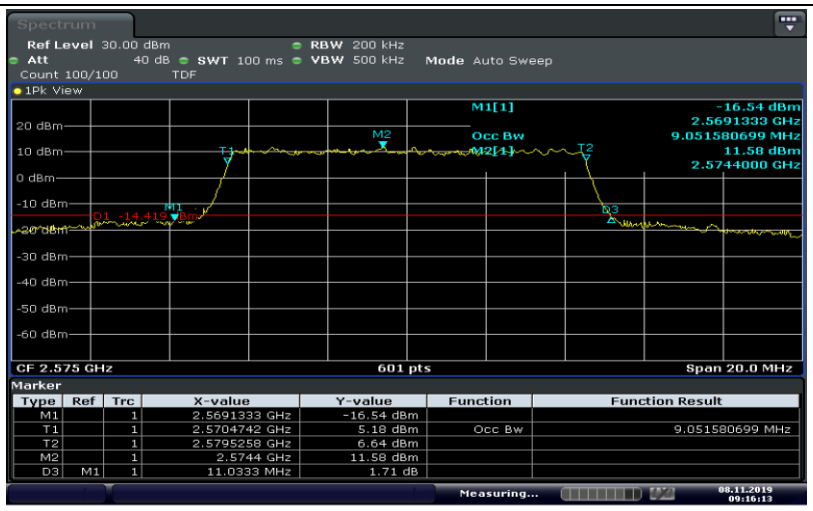
Band38-5MHz-16QAM-38225-25RB#0-4.505



Date: 8.NOV.2019 09:08:46

Band38-10MHz-QPSK-37800-50RB#0-9.052

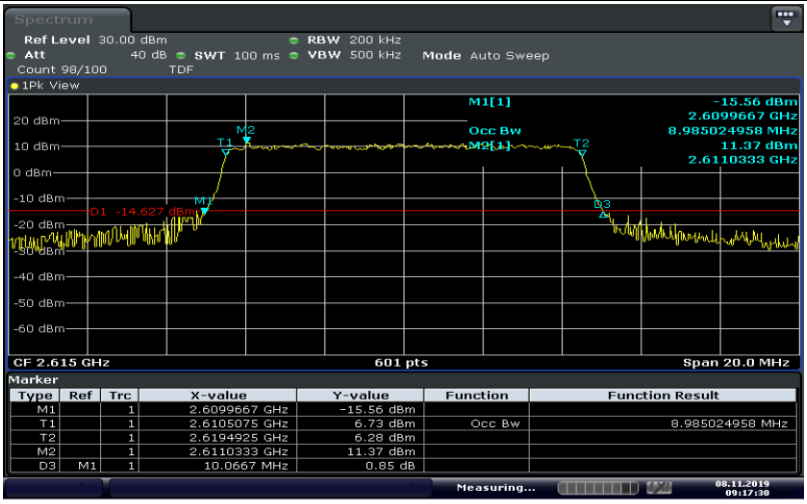


Date: 8.NOV.2019 09:16:14

Band38-10MHz-QPSK-38000-50RB#0-9.018

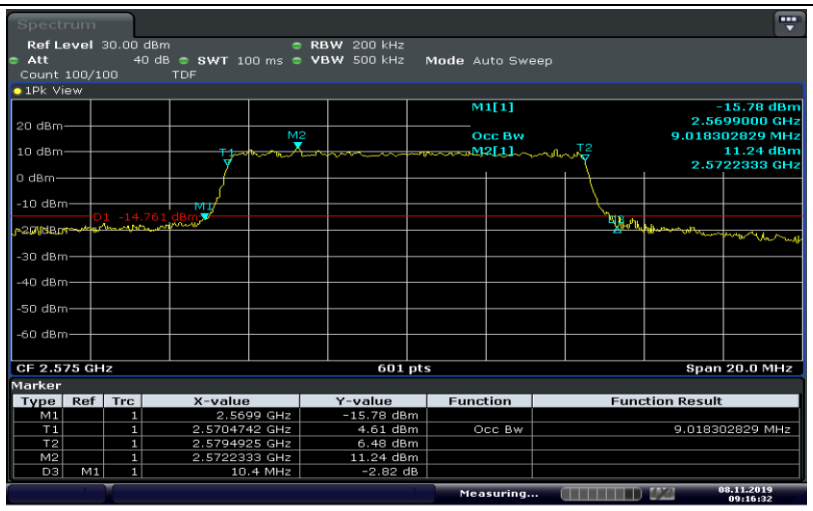
Date: 8.NOV.2019 09:16:53

Band38-10MHz-QPSK-38200-50RB#0-8.985



Date: 8.NOV.2019 09:17:30

Band38-10MHz-16QAM-37800-50RB#0-9.018

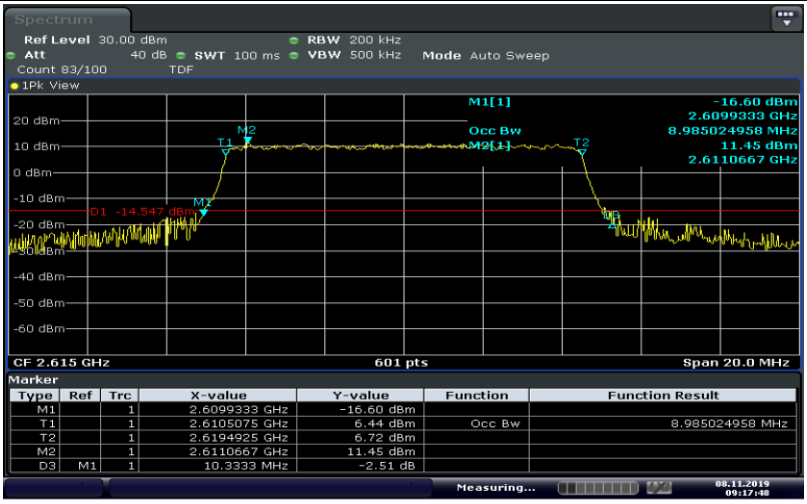


Date: 8.NOV.2019 09:16:32

Band38-10MHz-16QAM-38000-50RB#0-9.018

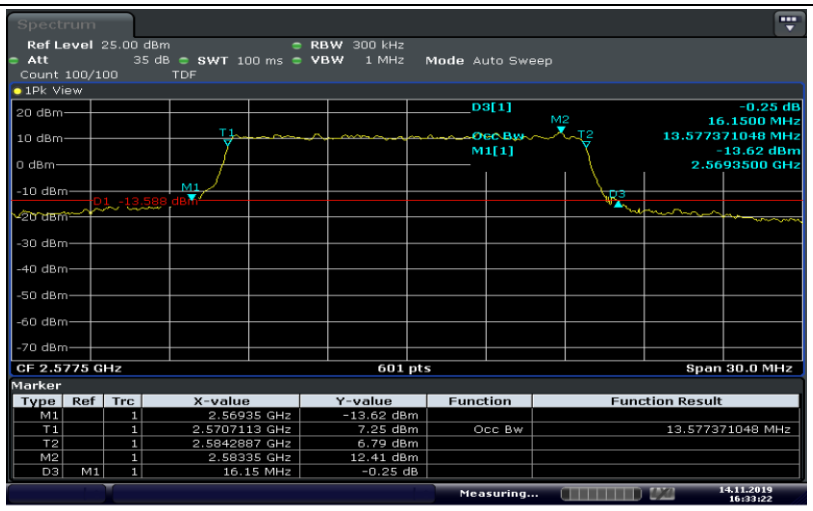
Date: 8.NOV.2019 09:17:12

Band38-10MHz-16QAM-38200-50RB#0-8.985



Date: 8.NOV.2019 09:17:48

Band38-15MHz-QPSK-37825-75RB#0-13.577

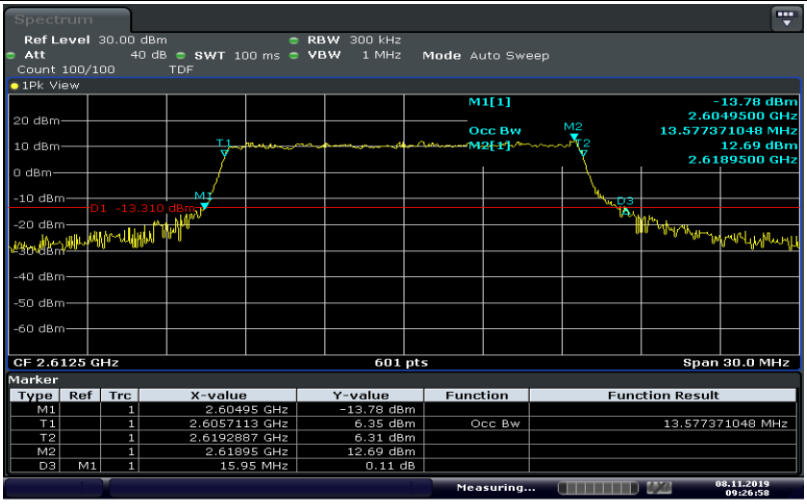


Date: 14.NOV.2019 16:33:22

Band38-15MHz-QPSK-38000-75RB#0-13.527

Date: 8.NOV.2019 09:26:09

Band38-15MHz-QPSK-38175-75RB#0-13.577



Date: 8.NOV.2019 09:26:58

Band38-15MHz-16QAM-37825-75RB#0-13.577

Date: 8.NOV.2019 09:25:50

Band38-15MHz-16QAM-38000-75RB#0-13.527

Date: 8.NOV.2019 09:26:37

Band38-15MHz-16QAM-38175-75RB#0-13.577

Date: 8.NOV.2019 09:27:15

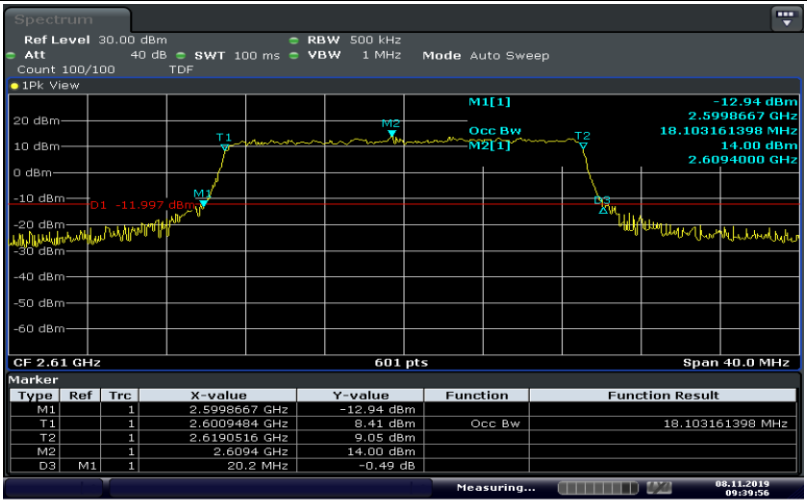
Band38-20MHz-QPSK-37850-100RB#0-18.103

Date: 8.NOV.2019 09:34:03

Band38-20MHz-QPSK-38000-100RB#0-18.103

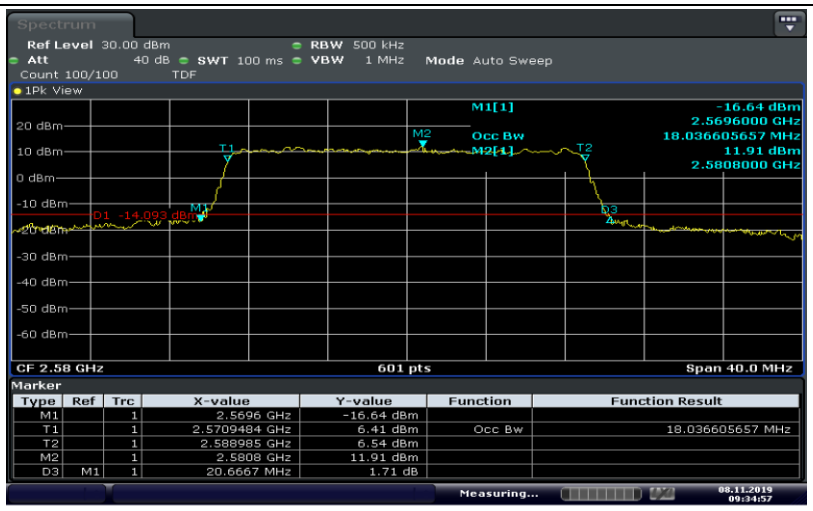
Date: 14.NOV.2019 16:35:18

Band38-20MHz-QPSK-38150-100RB#0-18.103



Date: 8.NOV.2019 09:39:56

Band38-20MHz-16QAM-37850-100RB#0-18.037



Date: 8.NOV.2019 09:34:58

Band38-20MHz-16QAM-38000-100RB#0-18.037

Date: 14.NOV.2019 16:41:30

Band38-20MHz-16QAM-38150-100RB#0-17.97

Date: 8.NOV.2019 09:40:59

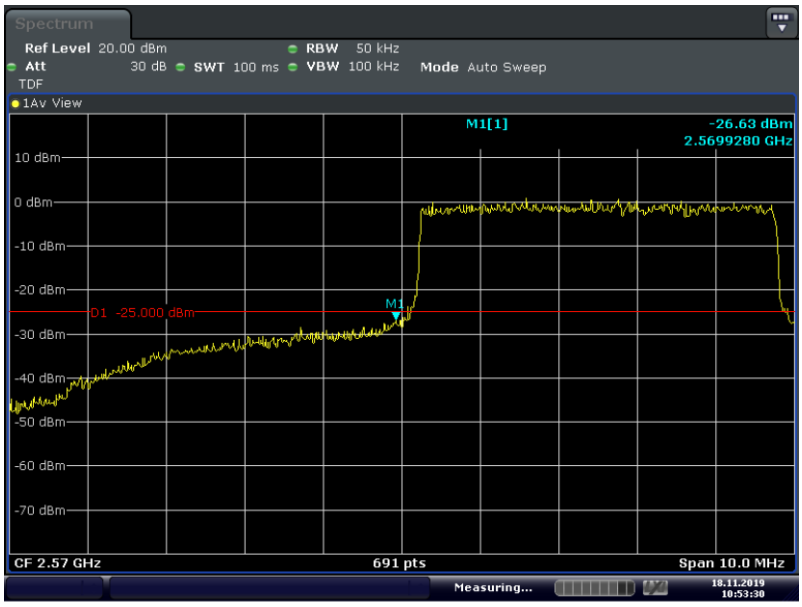
Appendix C: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	-26.63	PASS
Band38	5MHz	QPSK	38225	25RB#0	-31.38	PASS
Band38	5MHz	16QAM	37775	25RB#0	-29.35	PASS
Band38	5MHz	16QAM	38225	25RB#0	-32.72	PASS
Band38	10MHz	QPSK	37800	50RB#0	-29.03	PASS
Band38	10MHz	QPSK	38200	50RB#0	-34.68	PASS
Band38	10MHz	16QAM	37800	50RB#0	-30.89	PASS
Band38	10MHz	16QAM	38200	50RB#0	-36.94	PASS
Band38	15MHz	QPSK	37825	75RB#0	-25.41	PASS
Band38	15MHz	QPSK	38175	75RB#0	-34.83	PASS
Band38	15MHz	16QAM	37825	75RB#0	-29.46	PASS
Band38	15MHz	16QAM	38175	75RB#0	-37.58	PASS
Band38	20MHz	QPSK	37850	100RB#0	-31.32	PASS
Band38	20MHz	QPSK	38150	100RB#0	-37.24	PASS
Band38	20MHz	16QAM	37850	100RB#0	-33.38	PASS
Band38	20MHz	16QAM	38150	100RB#0	-39.77	PASS

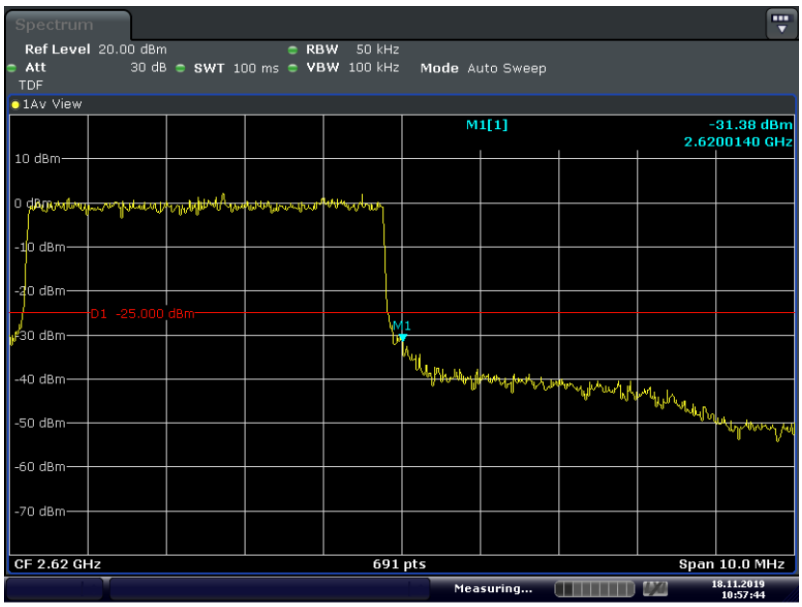
Test Graphs

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



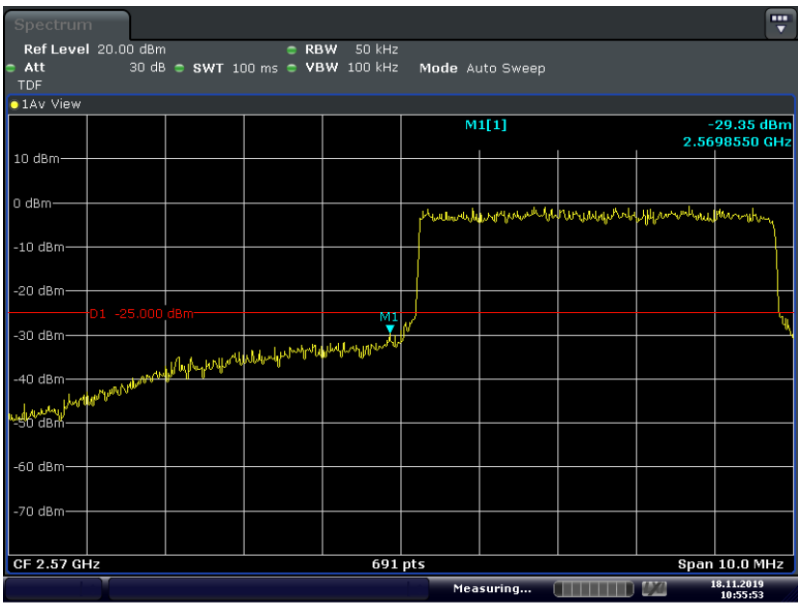
Date: 18.NOV.2019 10:53:30

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



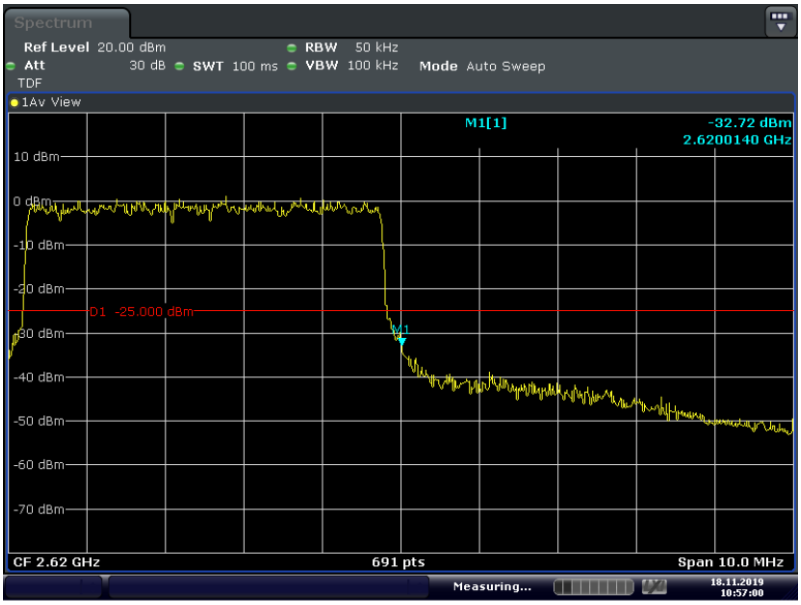
Date: 18.NOV.2019 10:57:44

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



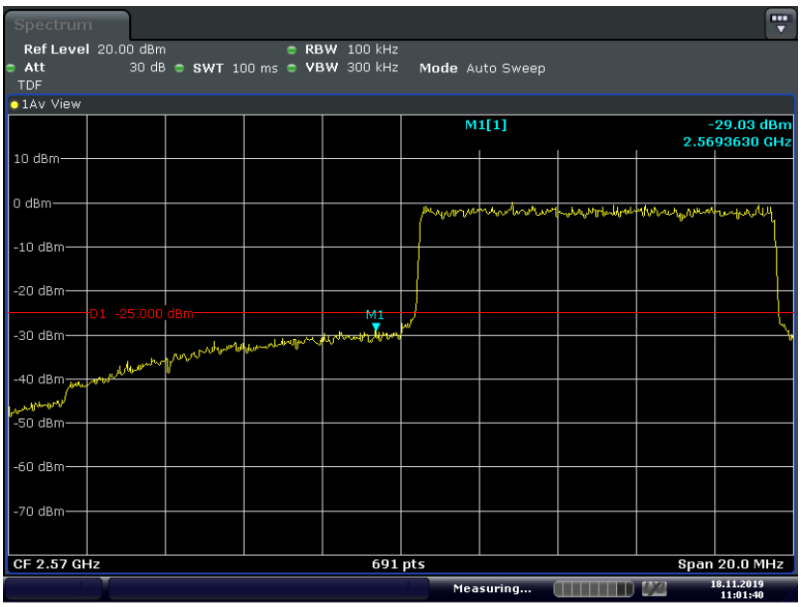
Date: 18.NOV.2019 10:55:53

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



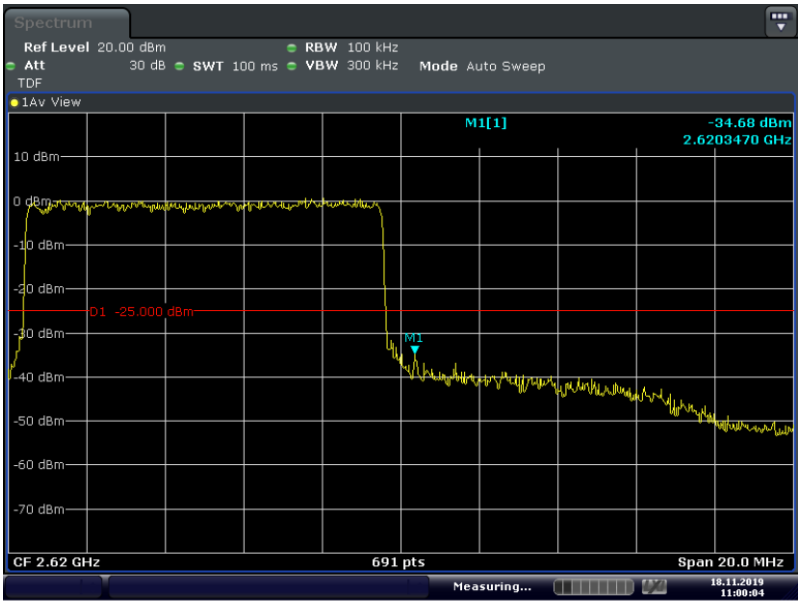
Date: 18.NOV.2019 10:57:01

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



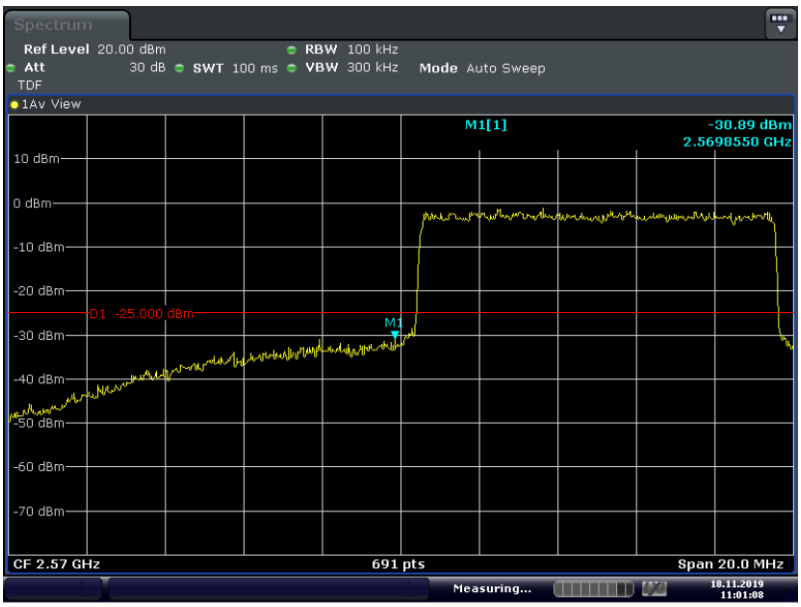
Date: 18.NOV.2019 11:01:41

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



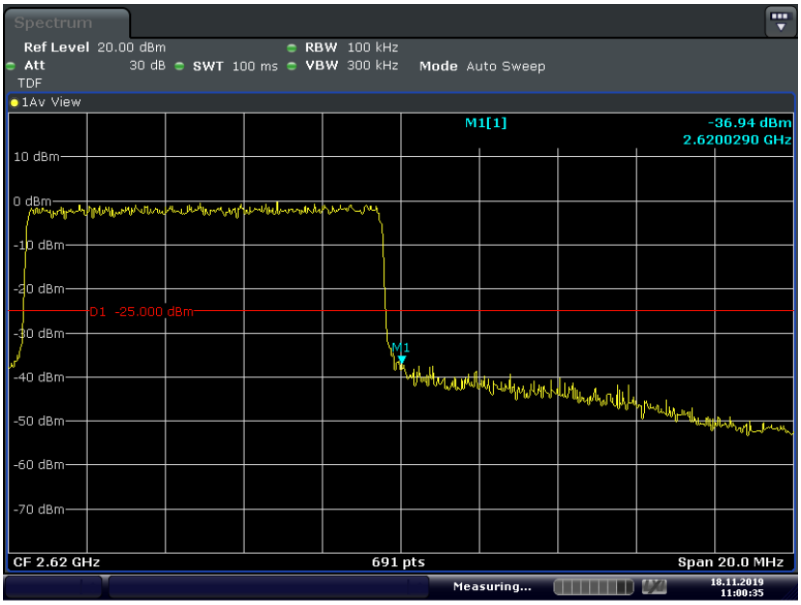
Date: 18.NOV.2019 11:00:04

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



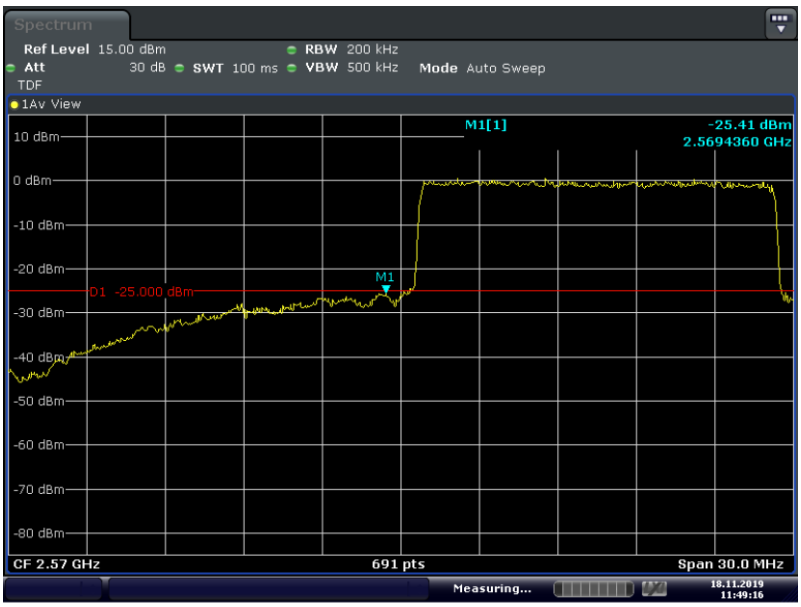
Date: 18.NOV.2019 11:01:08

Band38-10MHz-16QAM-38200-50RB#0



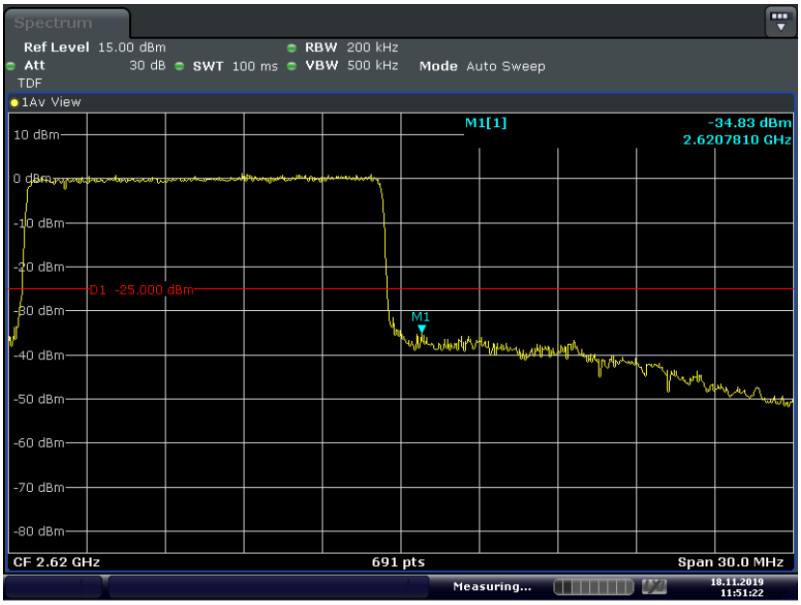
Date: 18.NOV.2019 11:00:35

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



Date: 18.NOV.2019 11:49:16

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



Date: 18.NOV.2019 11:51:22

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