

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

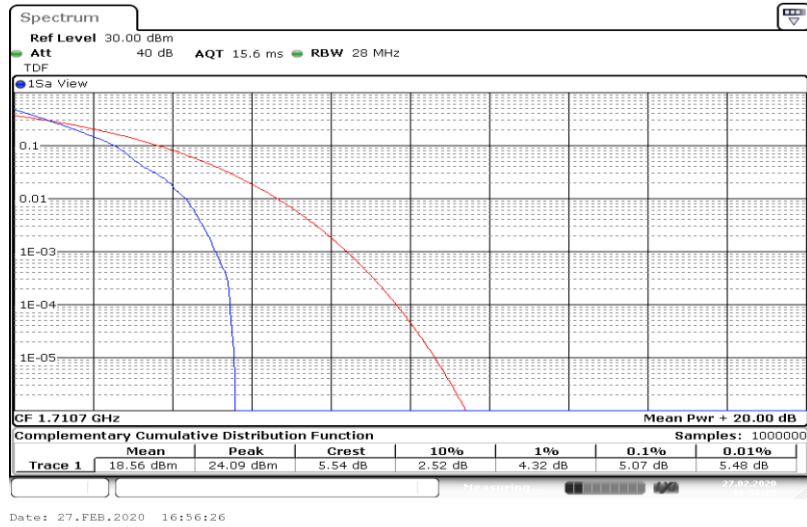
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	5.07	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	5.54	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	4.46	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	4.93	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	4.78	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.07	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	6.03	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.17	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.45	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.59	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	5.48	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	5.86	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.65	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	4.90	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.04	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.09	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.57	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	5.83	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.45	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.96	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.07	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	5.94	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.51	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.77	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.22	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	4.81	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.01	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	5.86	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.62	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	5.74	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.30	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	4.99	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.25	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	5.77	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	5.65	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	5.83	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	4.72	13	PASS

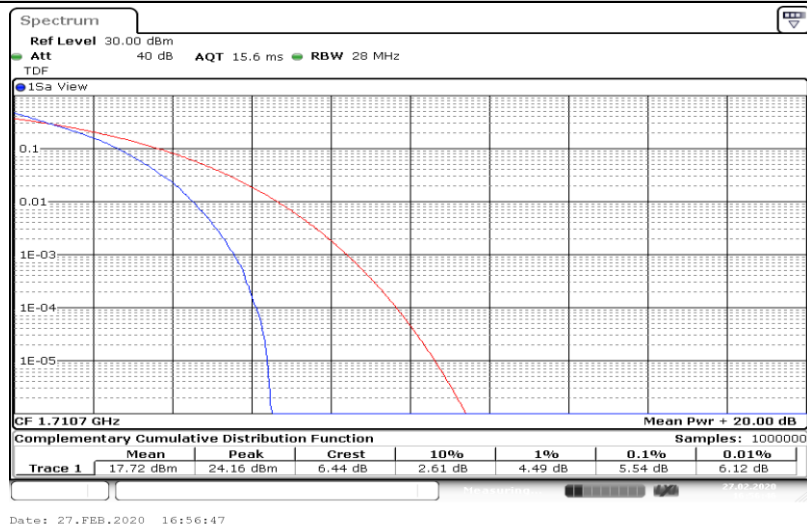
Band4	20MHz	QPSK	20175	100RB#0	4.52	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.81	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	8.46	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	8.46	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	8.49	13	PASS

Test Graphs

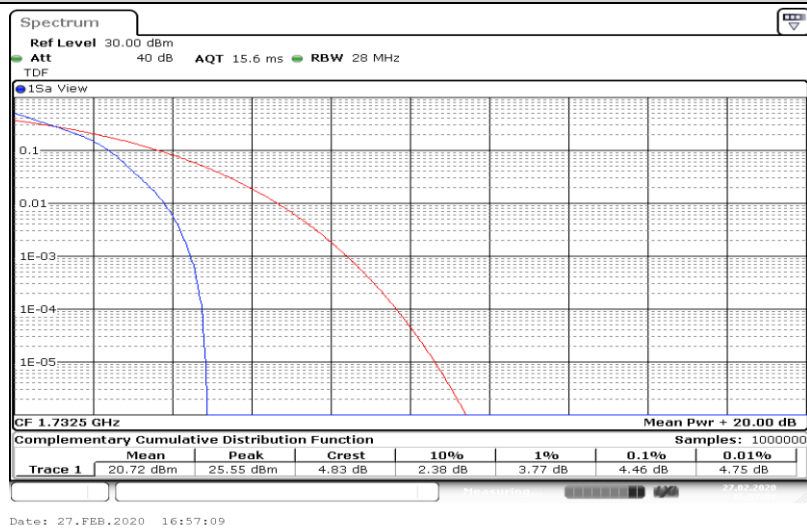
Band4-1.4MHz-QPSK-19957-1RB#0



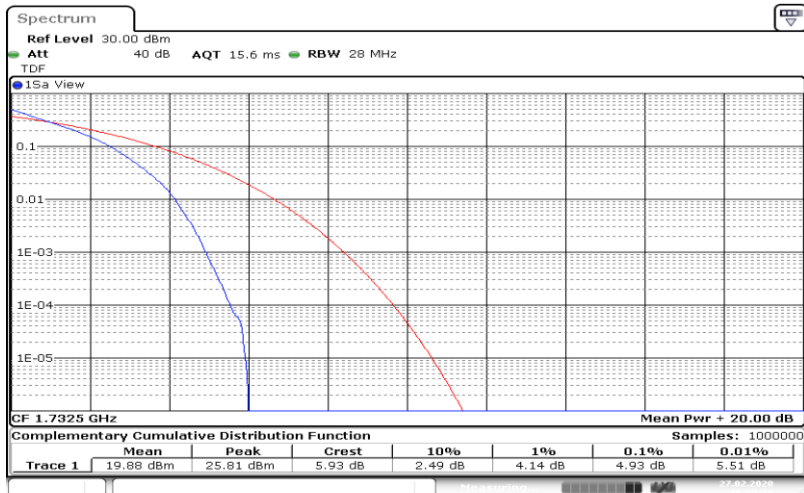
Band4-1.4MHz-QPSK-19957-6RB#0



Band4-1.4MHz-QPSK-20175-1RB#0

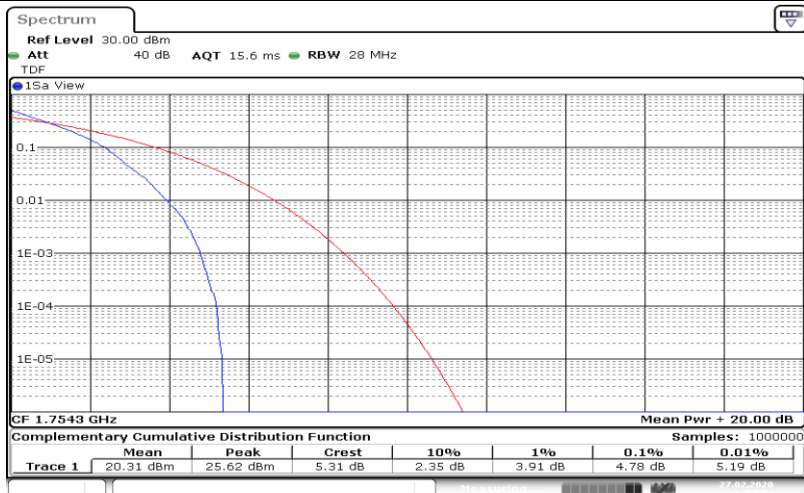


Band4-1.4MHz-QPSK-20175-6RB#0



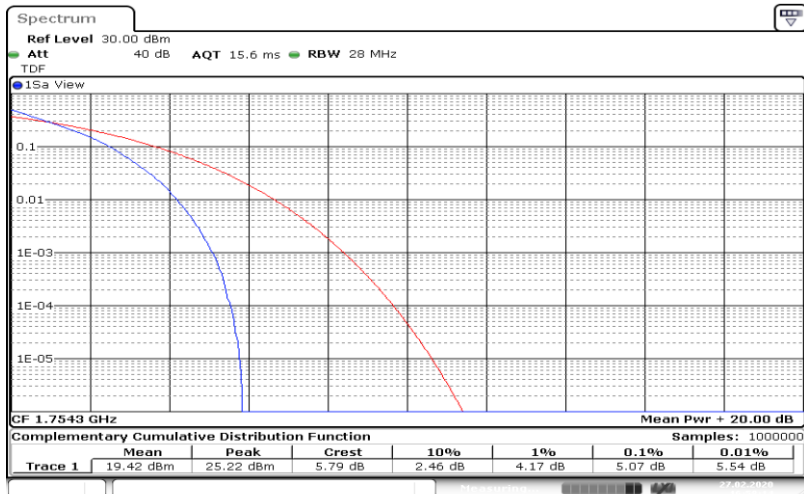
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Band4-1.4MHz-QPSK-20393-1RB#0



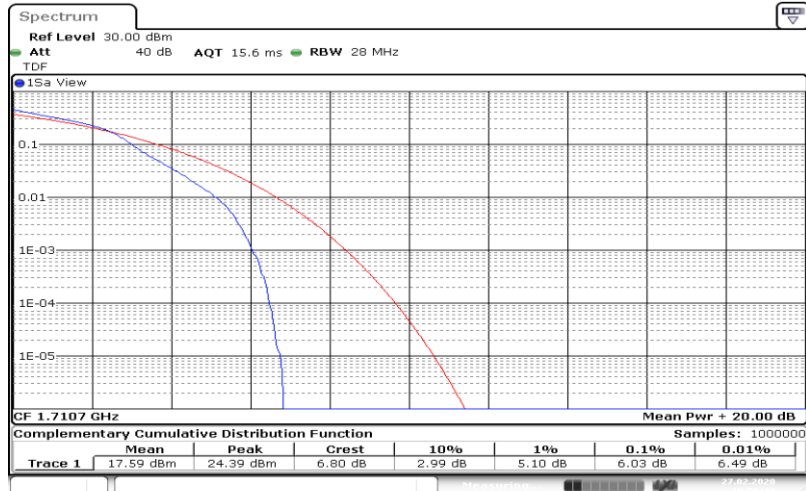
Date: 27.FEB.2020 16:57:53

Band4-1.4MHz-QPSK-20393-6RB#0



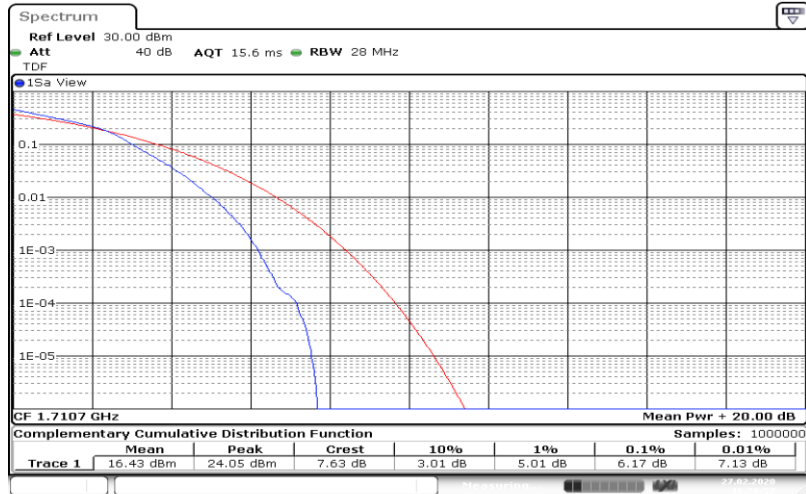
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Band4-1.4MHz-16QAM-19957-1RB#0



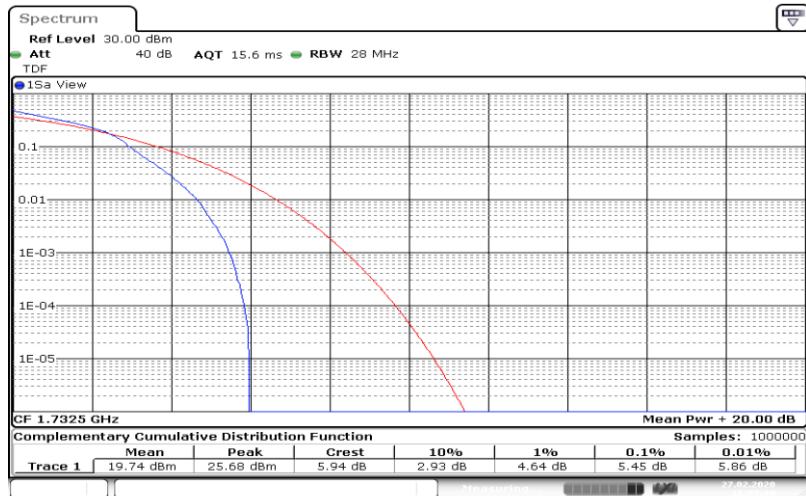
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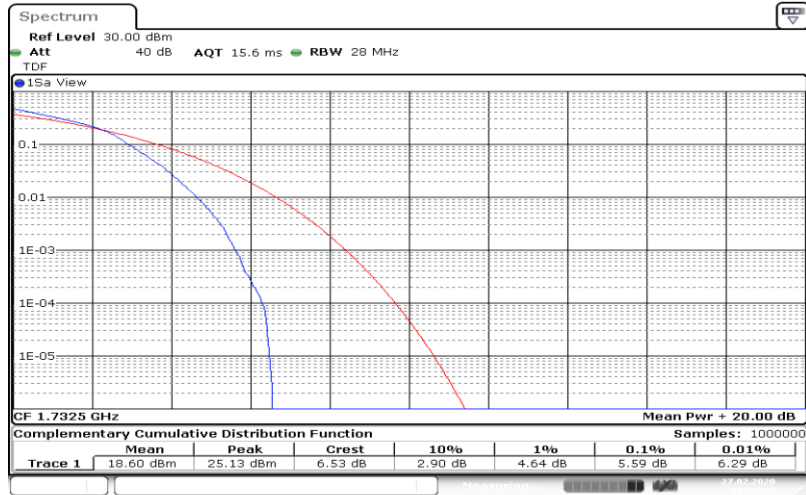
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Band4-1.4MHz-16QAM-20175-1RB#0



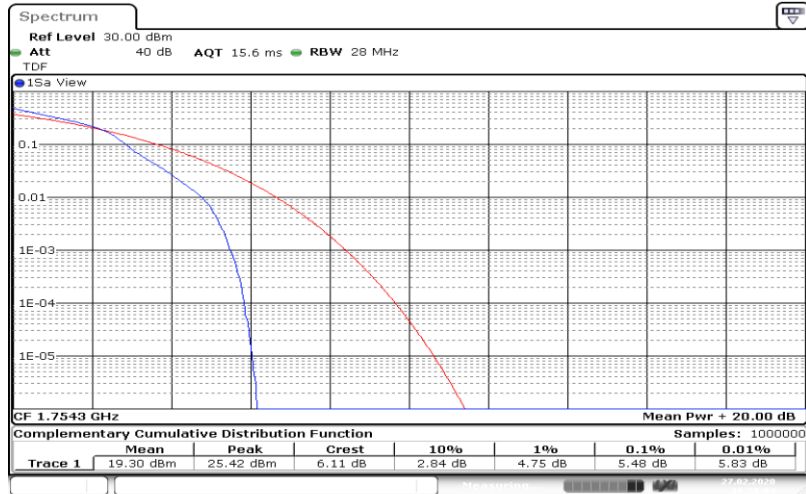
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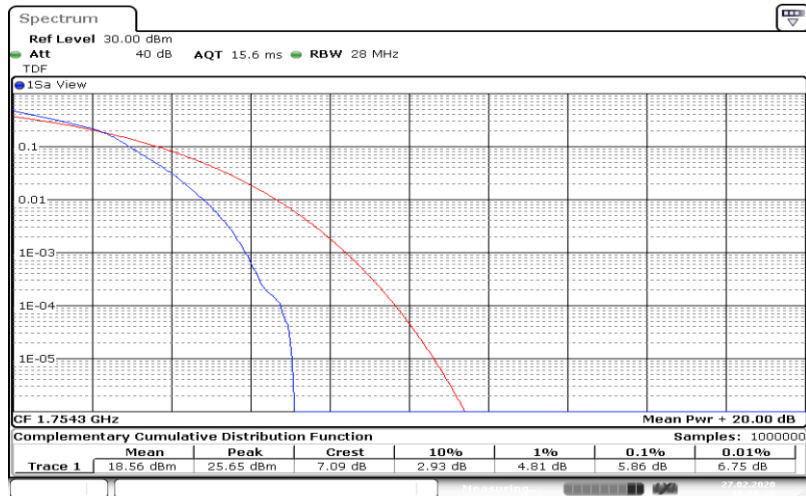
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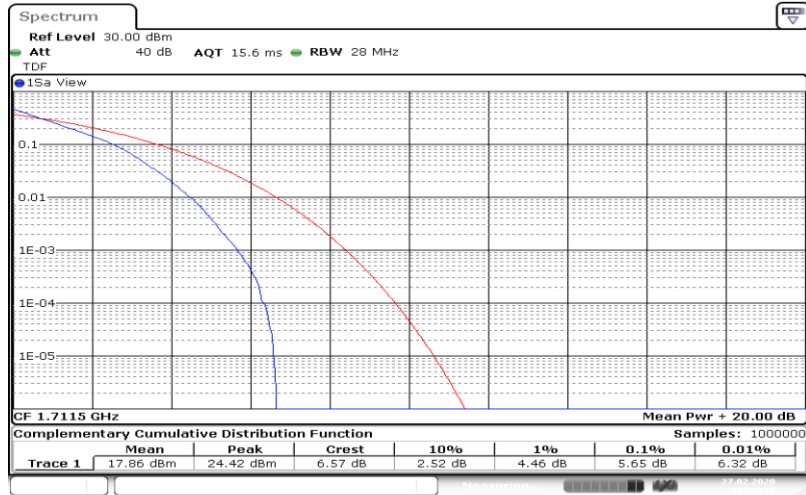
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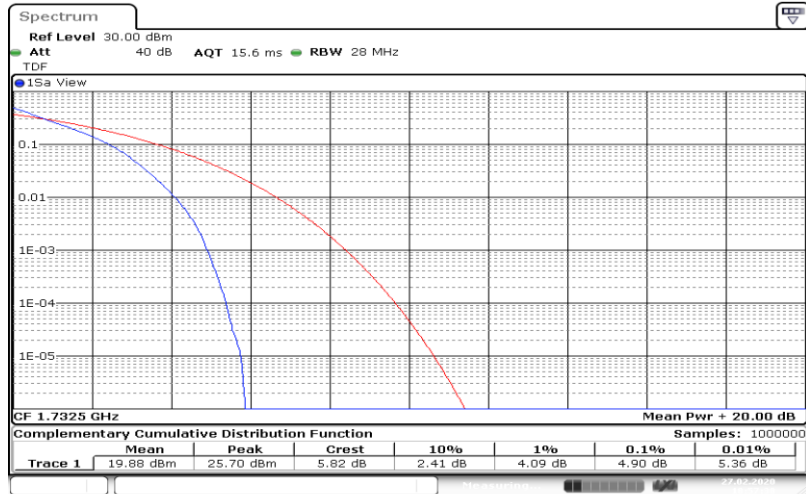
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Band4-3MHz-QPSK-19965-15RB#0



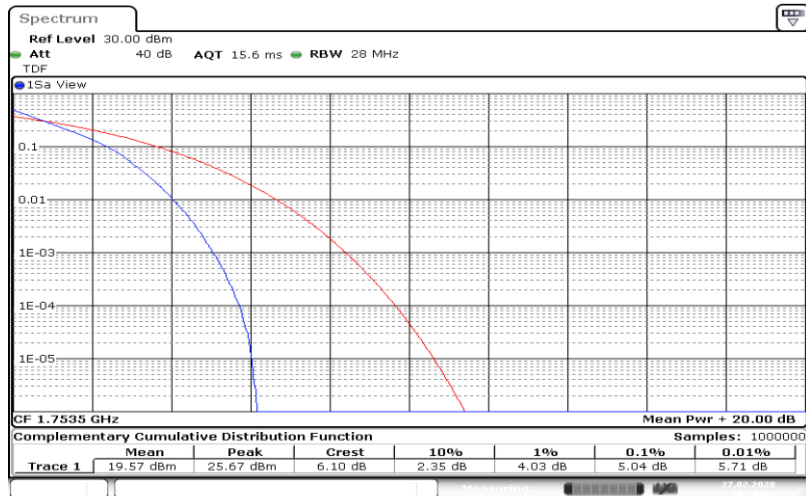
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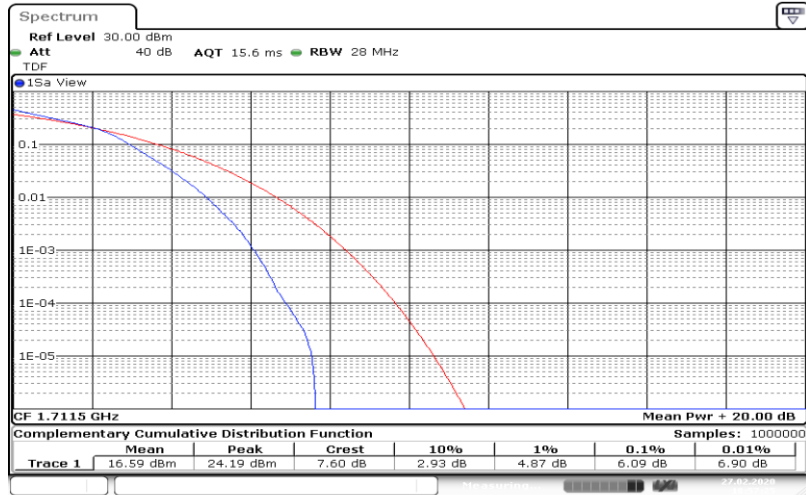
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Band4-3MHz-QPSK-20385-15RB#0



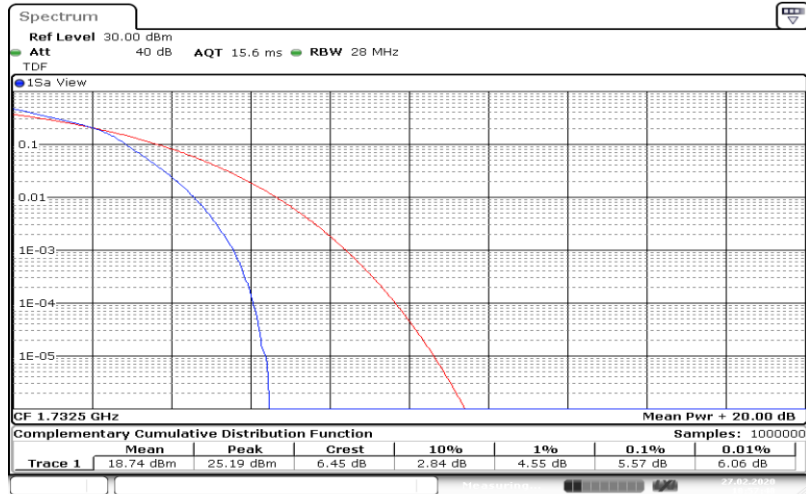
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Band4-3MHz-16QAM-19965-15RB#0



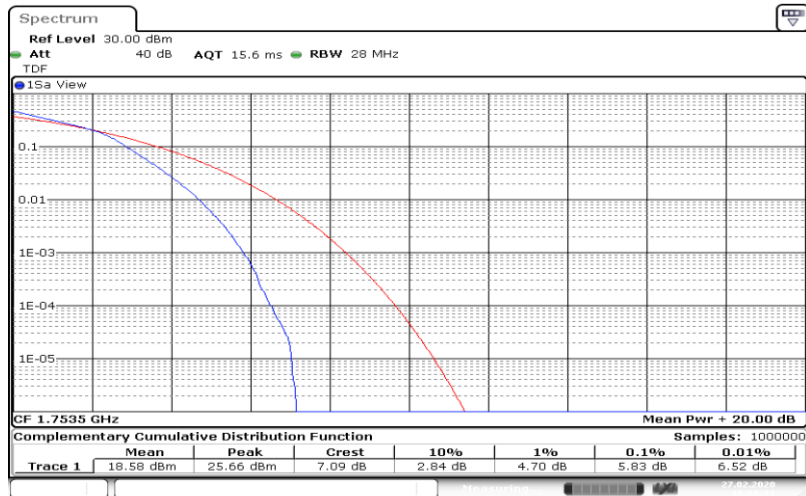
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Band4-3MHz-16QAM-20175-15RB#0



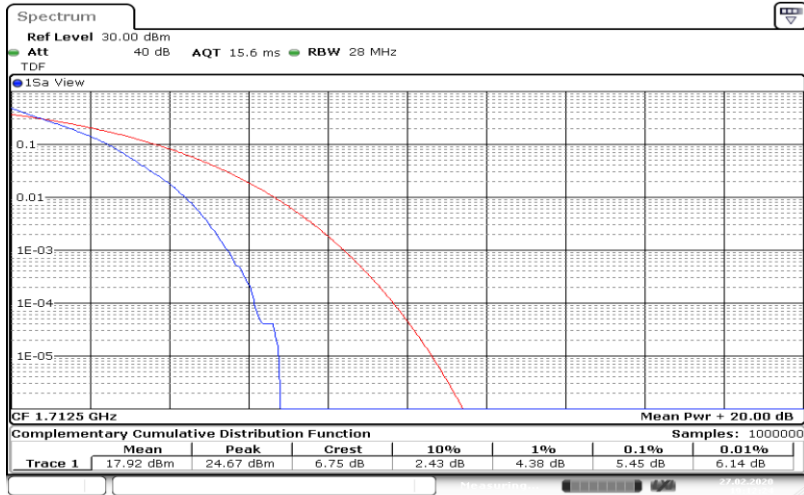
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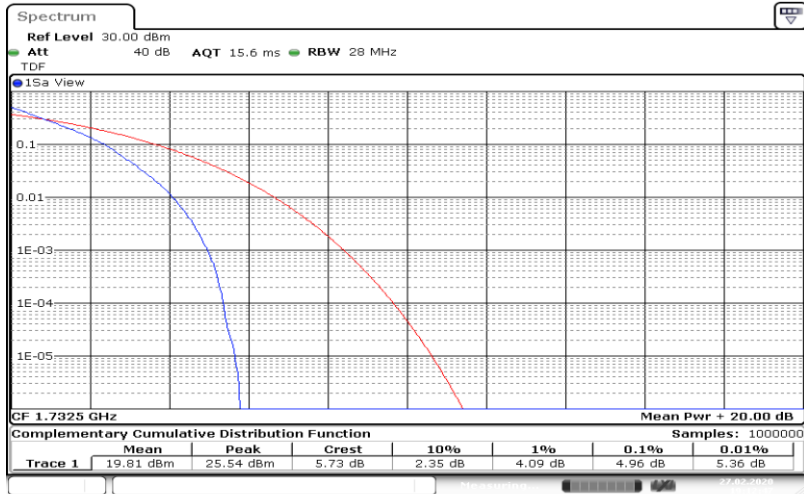
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Band4-5MHz-QPSK-19975-25RB#0



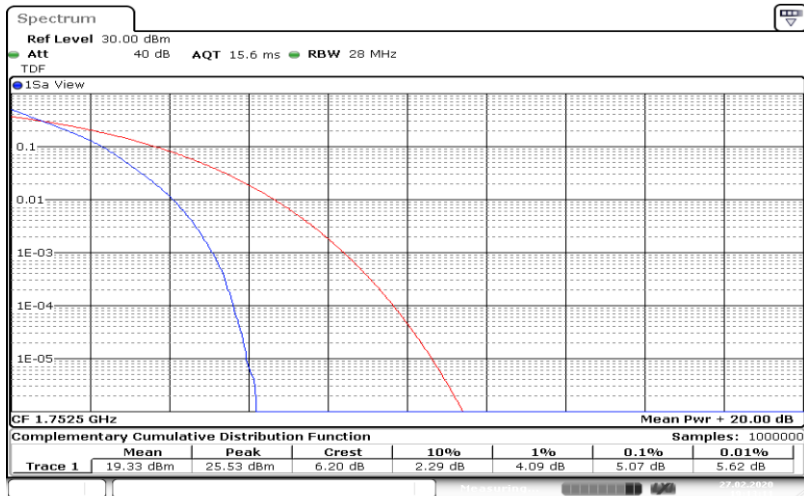
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Band4-5MHz-QPSK-20175-25RB#0



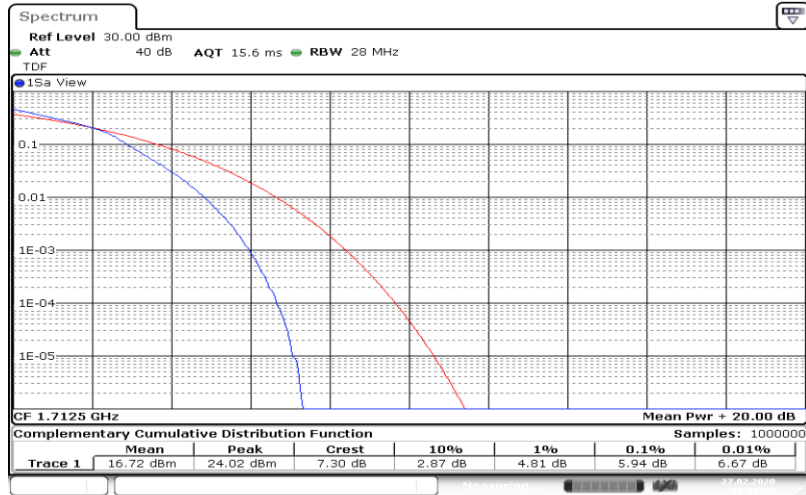
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Band4-5MHz-QPSK-20375-25RB#0



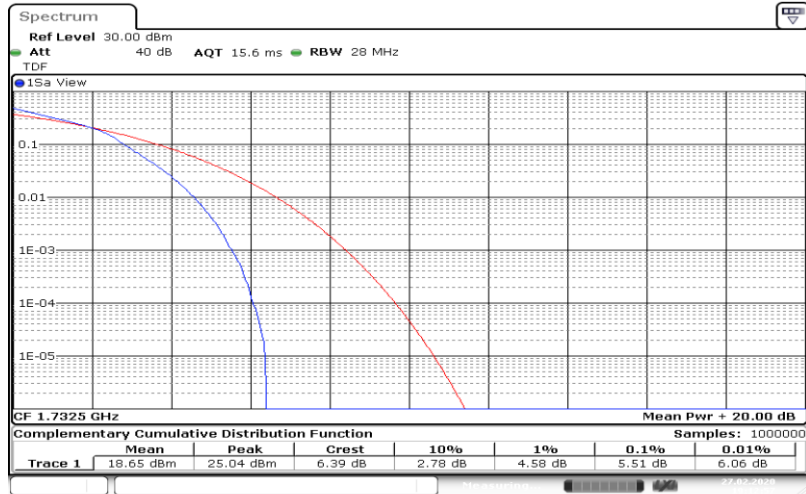
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Band4-5MHz-16QAM-19975-25RB#0



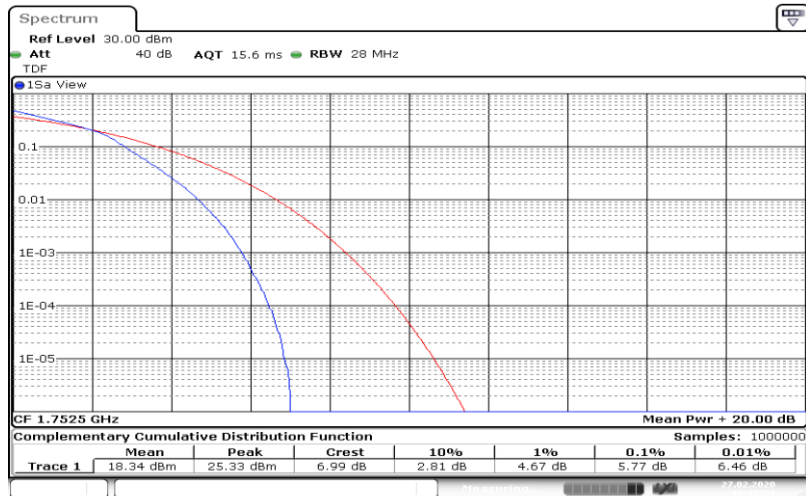
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Band4-5MHz-16QAM-20175-25RB#0



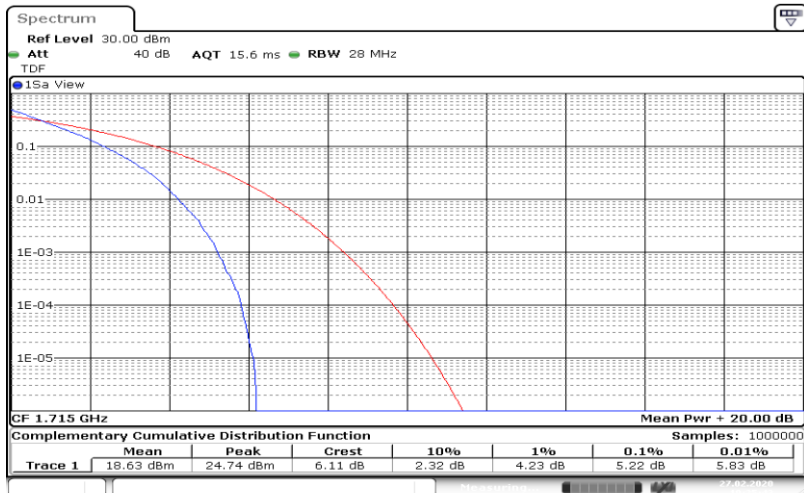
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Band4-5MHz-16QAM-20375-25RB#0



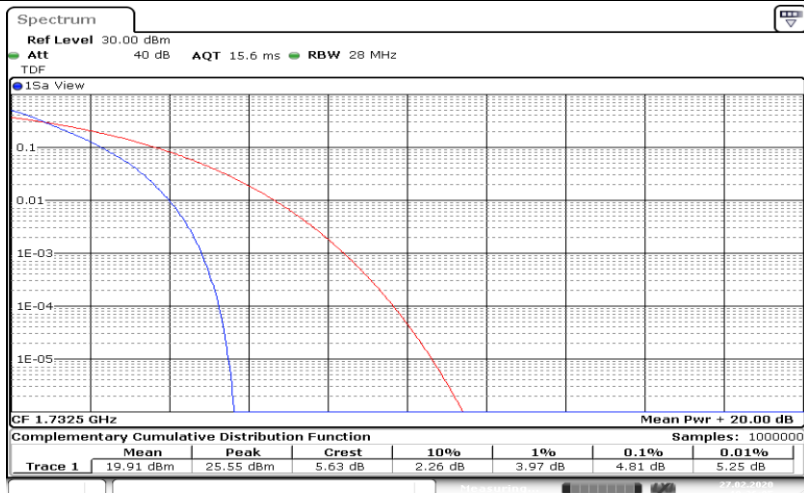
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Band4-10MHz-QPSK-20000-50RB#0



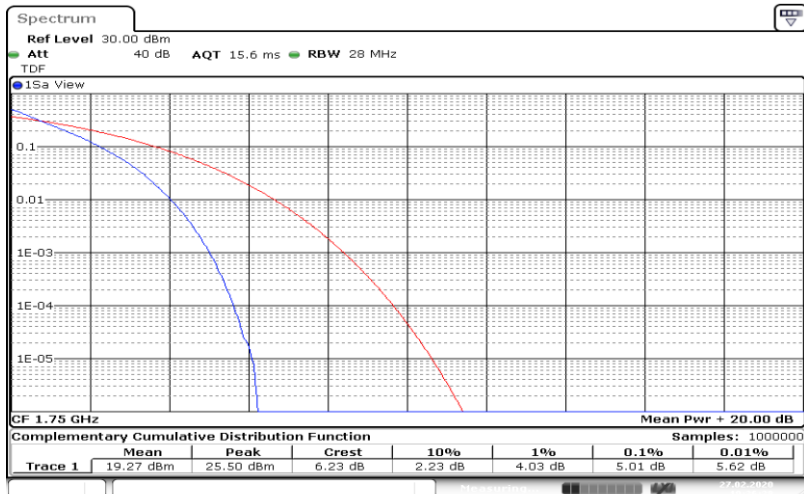
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Band4-10MHz-QPSK-20175-50RB#0



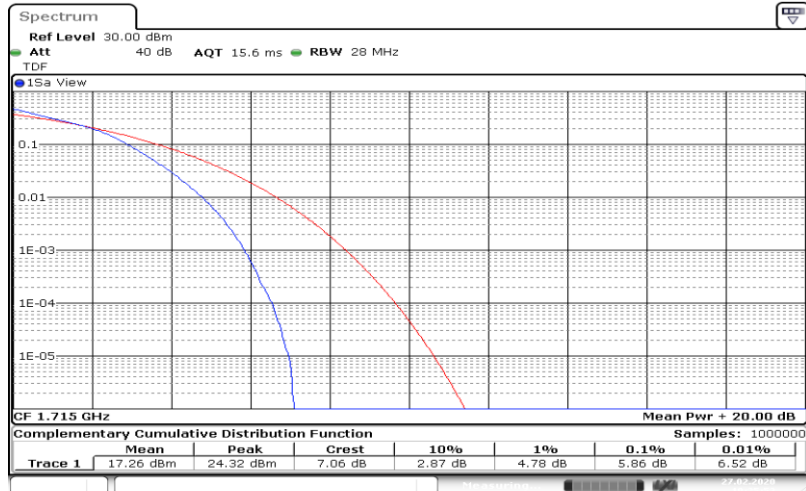
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Band4-10MHz-QPSK-20350-50RB#0



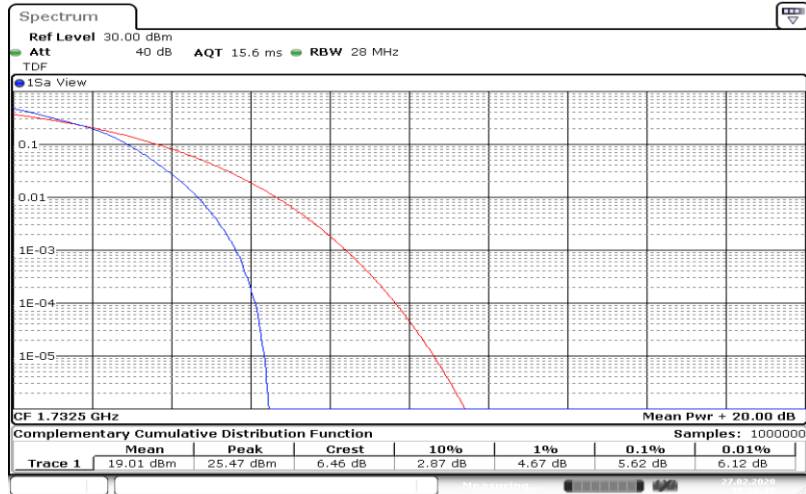
Date: 27.FEB.2020 19:26:29

Band4-10MHz-16QAM-20000-50RB#0



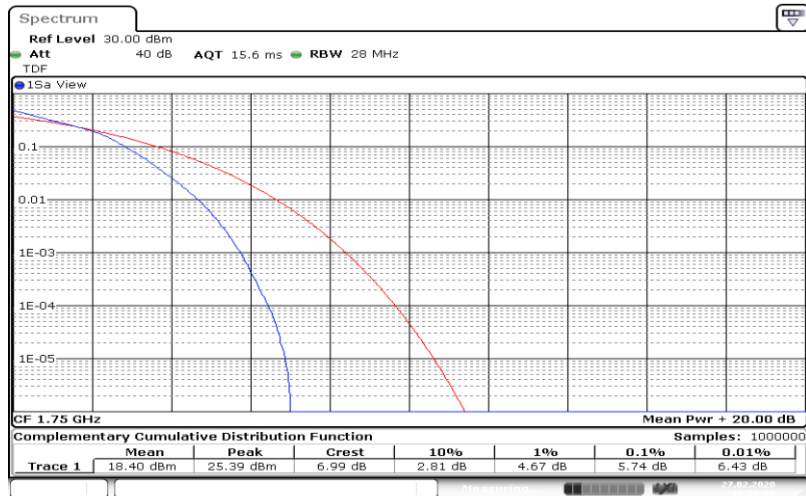
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Band4-10MHz-16QAM-20175-50RB#0



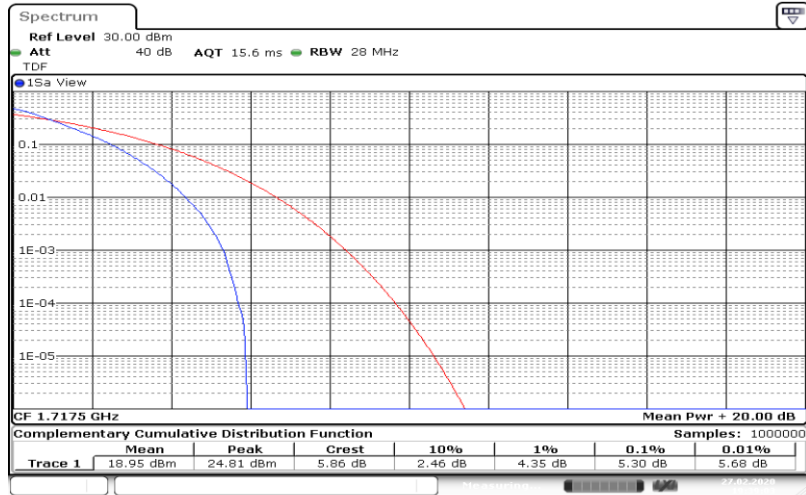
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Band4-10MHz-16QAM-20350-50RB#0



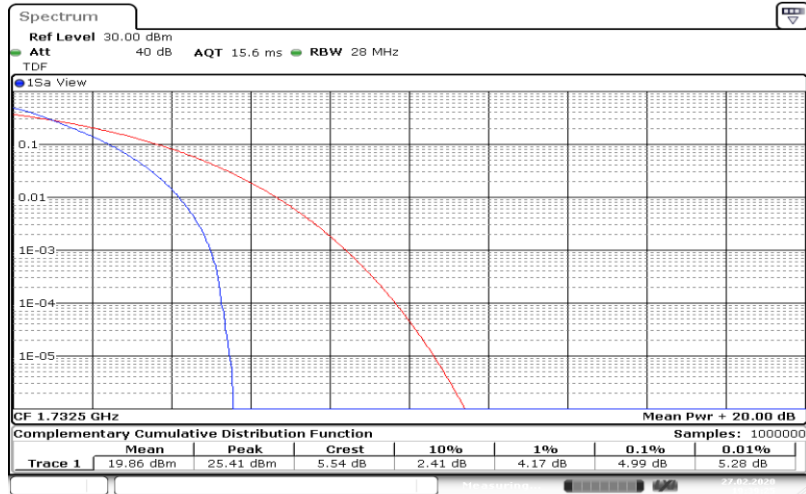
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Band4-15MHz-QPSK-20025-75RB#0



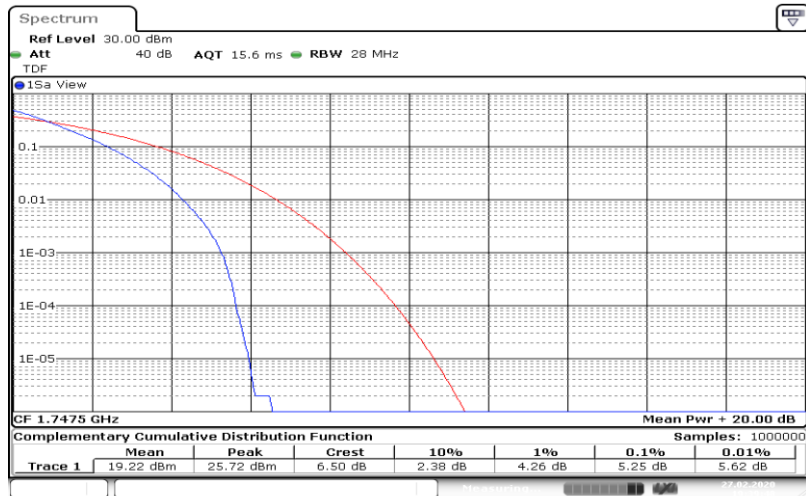
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Band4-15MHz-QPSK-20175-75RB#0



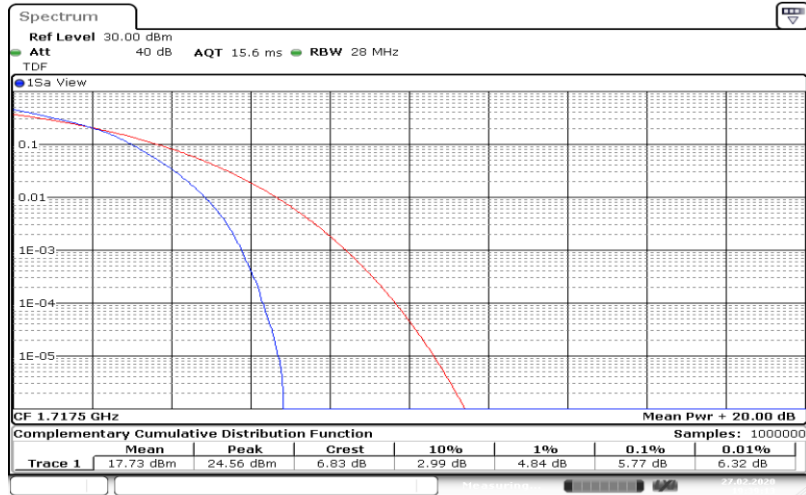
Date: 27.FEB.2020 19:39:25

Band4-15MHz-QPSK-20325-75RB#0



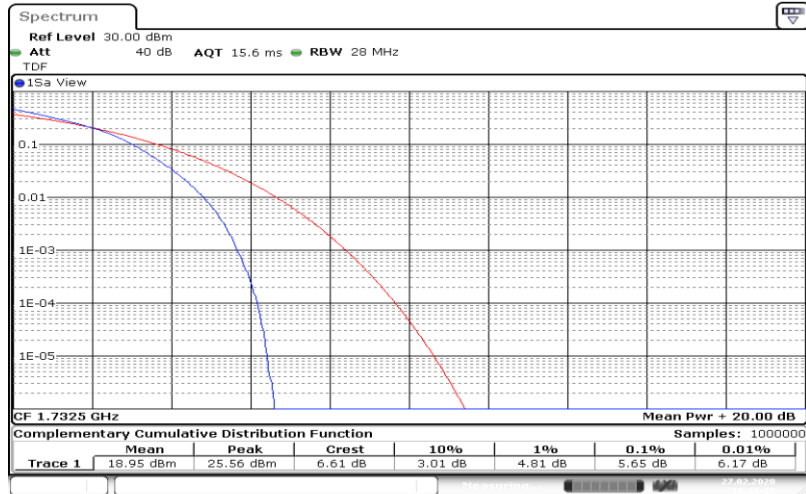
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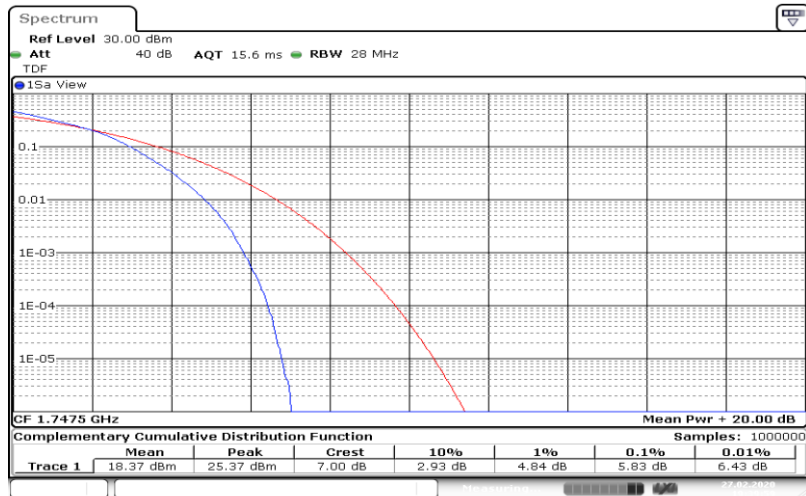
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Band4-15MHz-16QAM-20175-75RB#0



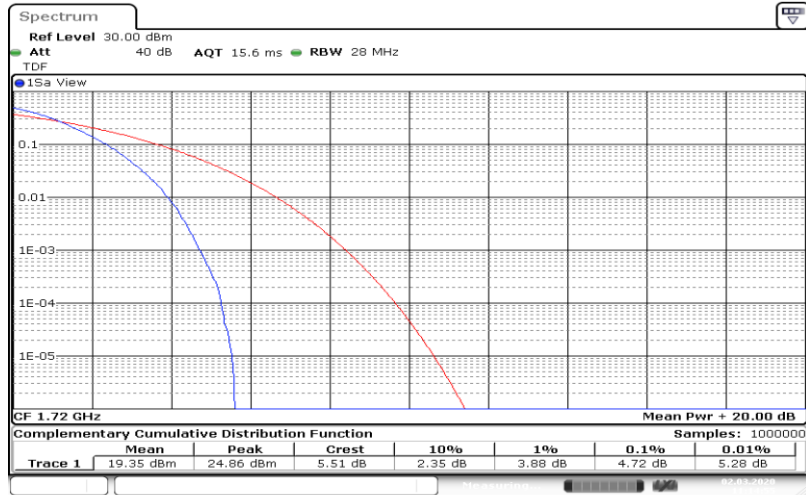
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Band4-15MHz-16QAM-20325-75RB#0



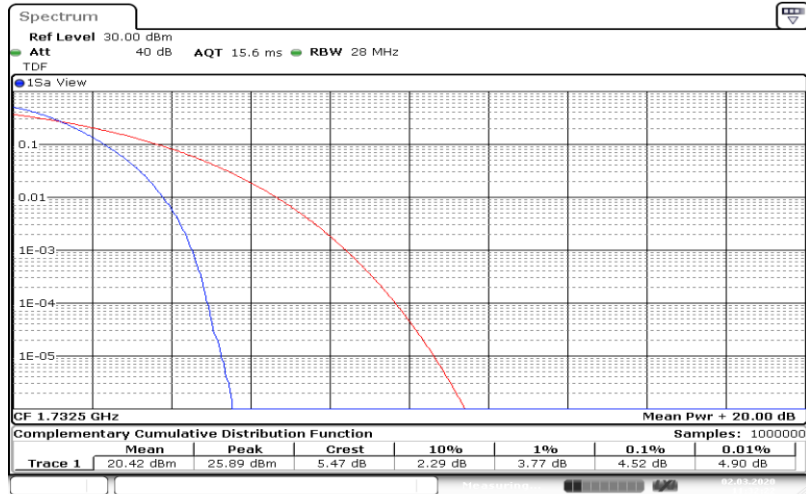
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Band4-20MHz-QPSK-20050-100RB#0



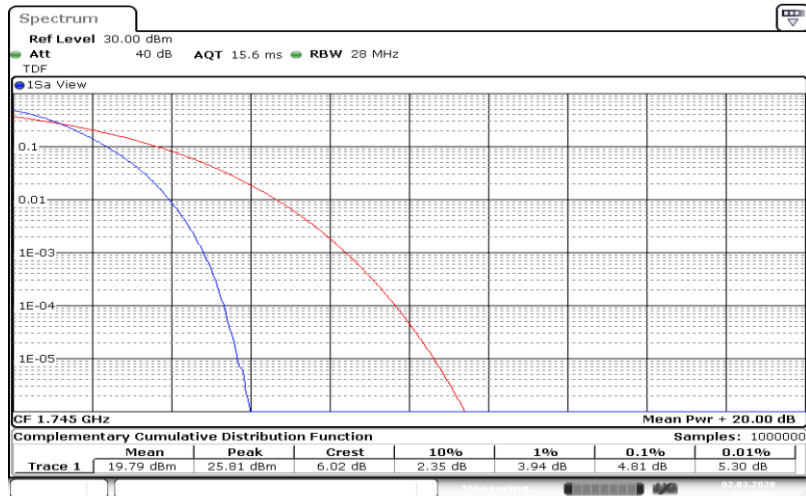
Date: 2.MAR.2020 11:14:55

Band4-20MHz-QPSK-20175-100RB#0



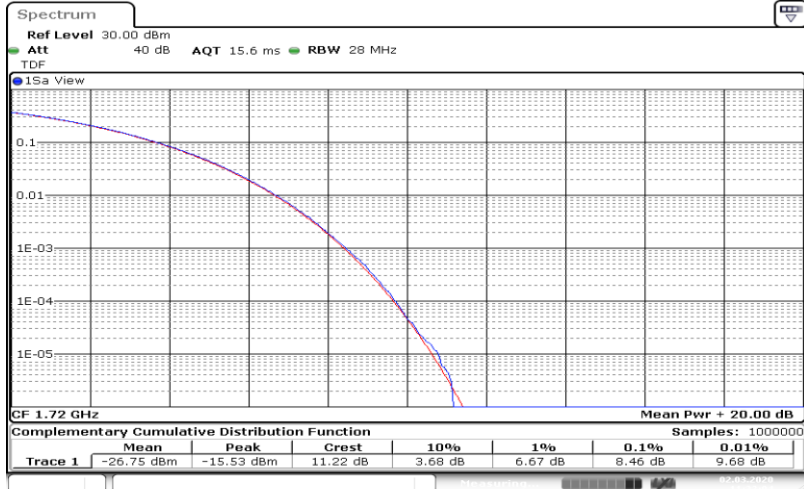
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Band4-20MHz-QPSK-20300-100RB#0



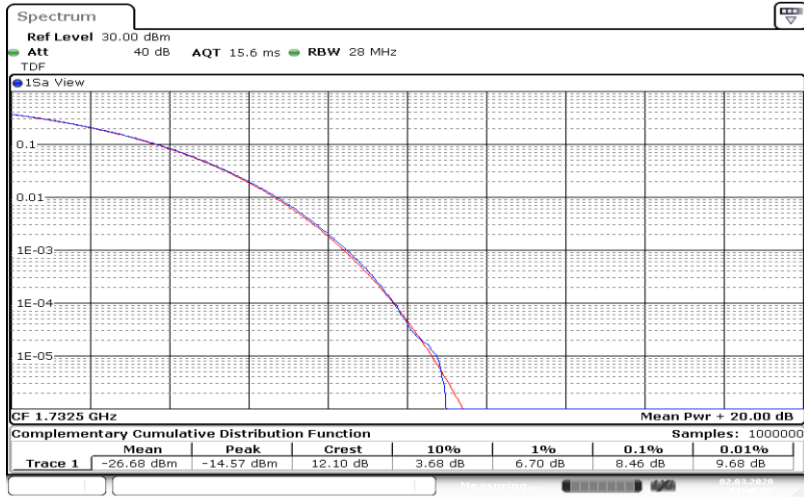
Date: 2.MAR.2020 11:49:52

Band4-20MHz-16QAM-20050-100RB#0



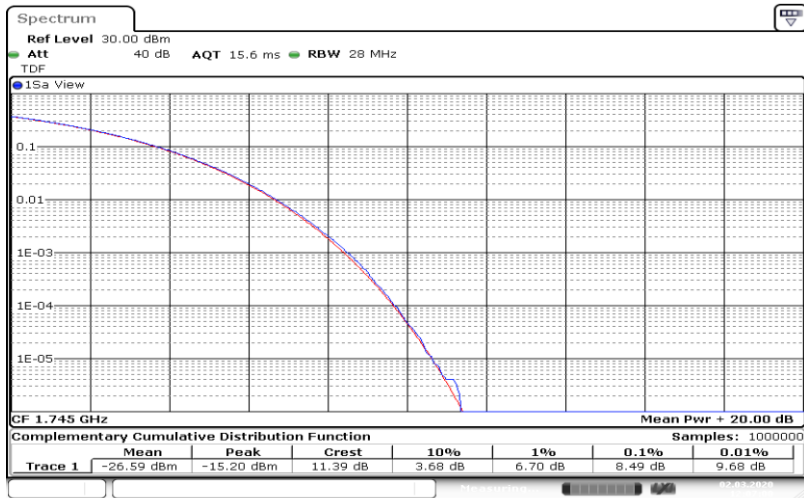
Date: 2.MAR.2020 11:32:04

Band4-20MHz-16QAM-20175-100RB#0



Date: 2.MAR.2020 11:49:31

Band4-20MHz-16QAM-20300-100RB#0



Date: 2.MAR.2020 12:07:00

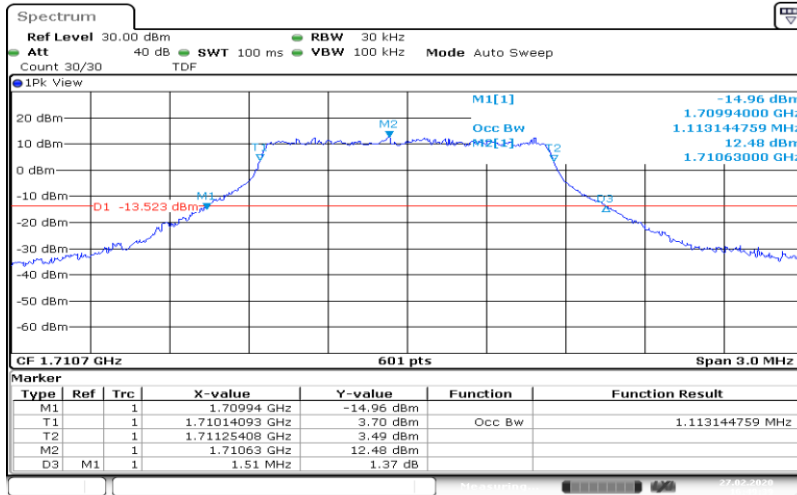
Appendix B: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.113	1.510	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.123	1.530	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.113	1.525	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.123	1.495	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.133	1.565	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.123	1.510	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.725	3.270	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.715	3.320	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.725	3.260	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.735	3.460	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.725	3.370	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.735	3.480	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.545	5.460	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.525	5.400	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.555	5.510	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.545	5.330	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.555	5.520	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.535	5.310	PASS
Band4	10MHz	QPSK	20000	50RB#0	9.018	10.133	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.985	10.067	PASS
Band4	10MHz	QPSK	20350	50RB#0	9.018	10.200	PASS
Band4	10MHz	16QAM	20000	50RB#0	9.018	10.133	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.985	10.133	PASS
Band4	10MHz	16QAM	20350	50RB#0	9.018	10.167	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.527	14.900	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.478	14.900	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.527	14.950	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.527	14.850	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.478	14.800	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.527	14.900	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.97	19.600	PASS
Band4	20MHz	QPSK	20175	100RB#0	18.037	19.600	PASS
Band4	20MHz	QPSK	20300	100RB#0	18.037	19.733	PASS
Band4	20MHz	16QAM	20050	100RB#0	18.037	19.733	PASS
Band4	20MHz	16QAM	20175	100RB#0	18.103	19.667	PASS
Band4	20MHz	16QAM	20300	100RB#0	18.037	19.667	PASS

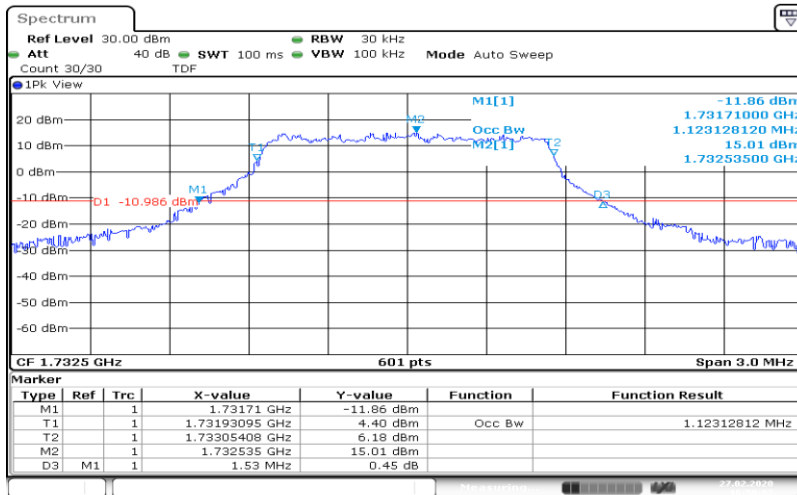
Test Graphs

Band4-1.4MHz-QPSK-19957-6RB#0-1.113



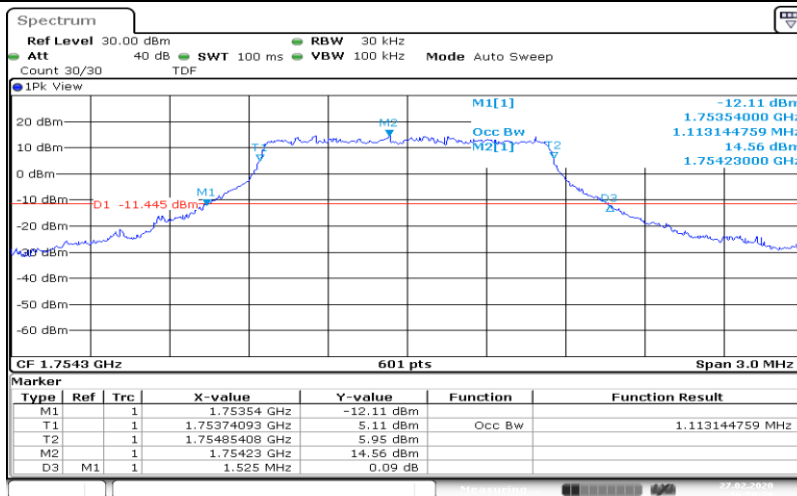
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Band4-1.4MHz-QPSK-20175-6RB#0-1.123



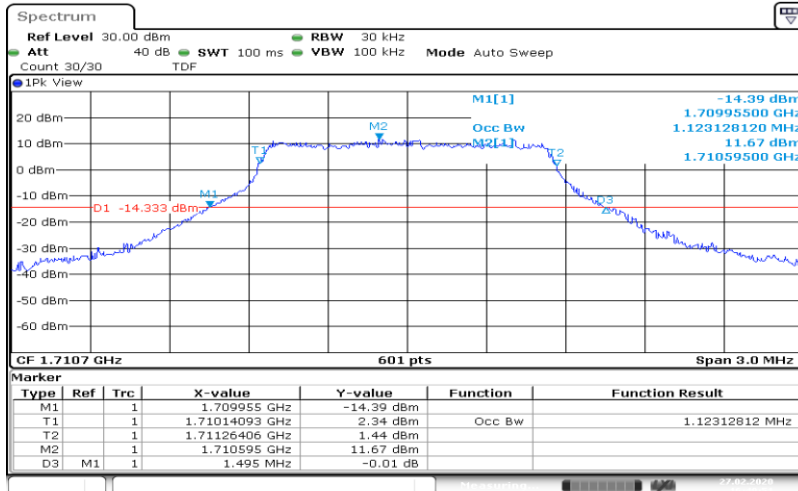
Date: 27.FEB.2020 16:50:03

Band4-1.4MHz-QPSK-20393-6RB#0-1.113

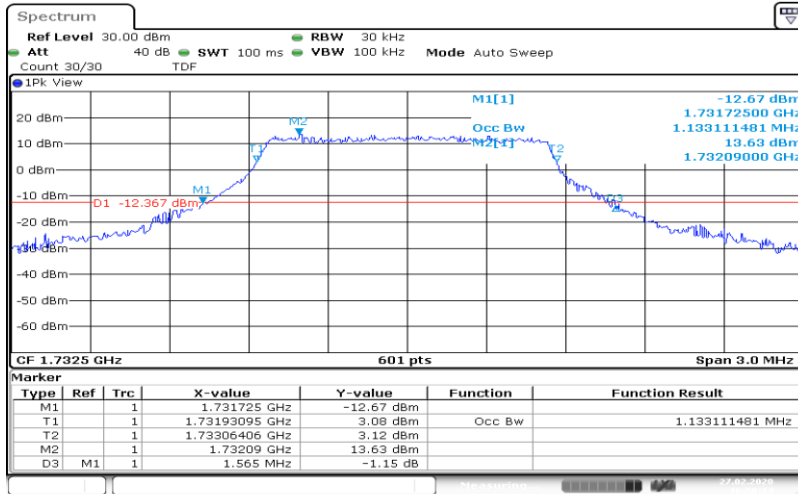


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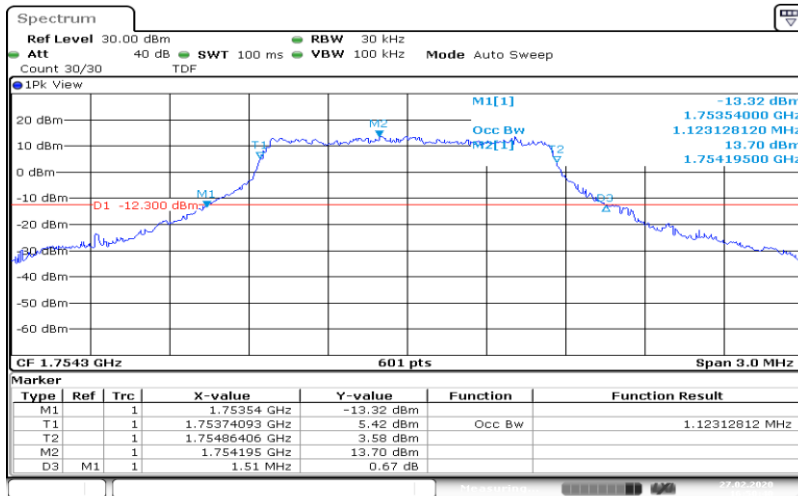
Band4-1.4MHz-16QAM-19957-6RB#0-1.123



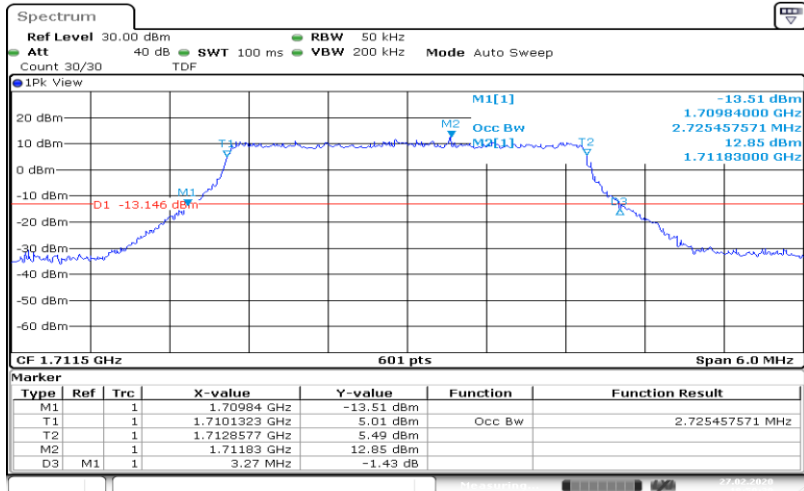
Band4-1.4MHz-16QAM-20175-6RB#0-1.133



Band4-1.4MHz-16QAM-20393-6RB#0-1.123

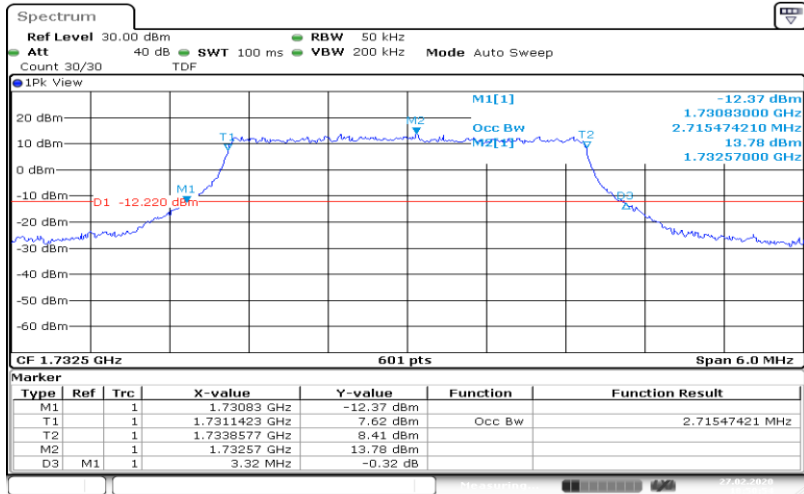


Band4-3MHz-QPSK-19965-15RB#0-2.725



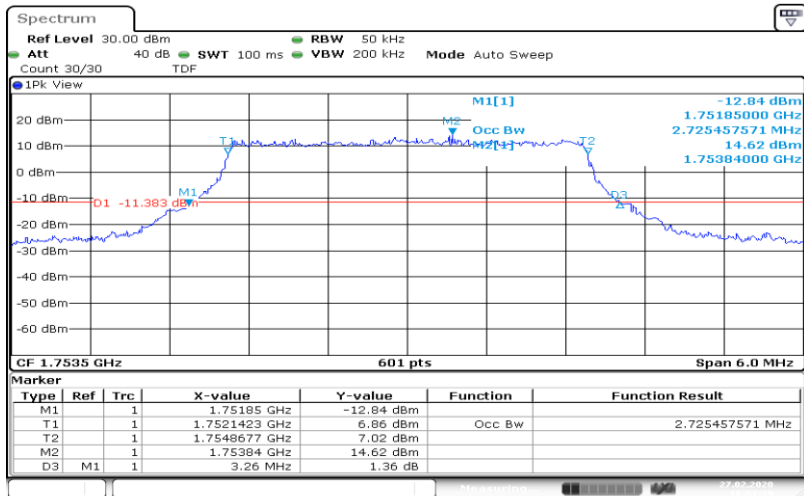
Date: 27.FEB.2020 18:50:30

Band4-3MHz-QPSK-20175-15RB#0-2.715



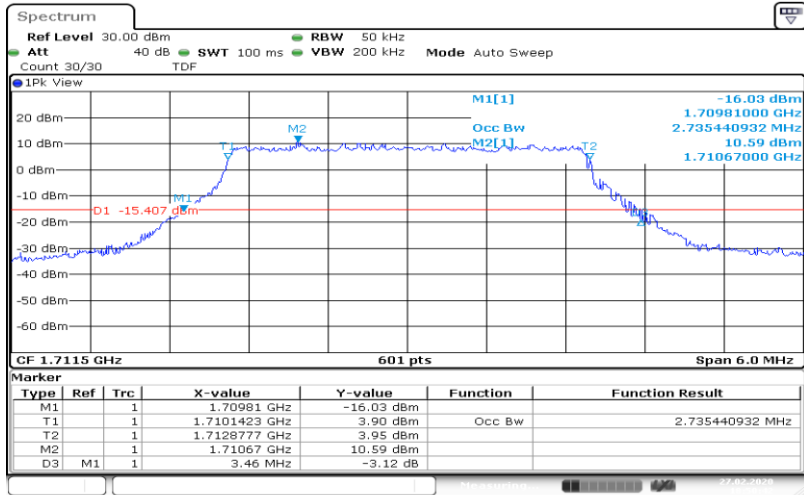
Date: 27.FEB.2020 18:50:54

Band4-3MHz-QPSK-20385-15RB#0-2.725

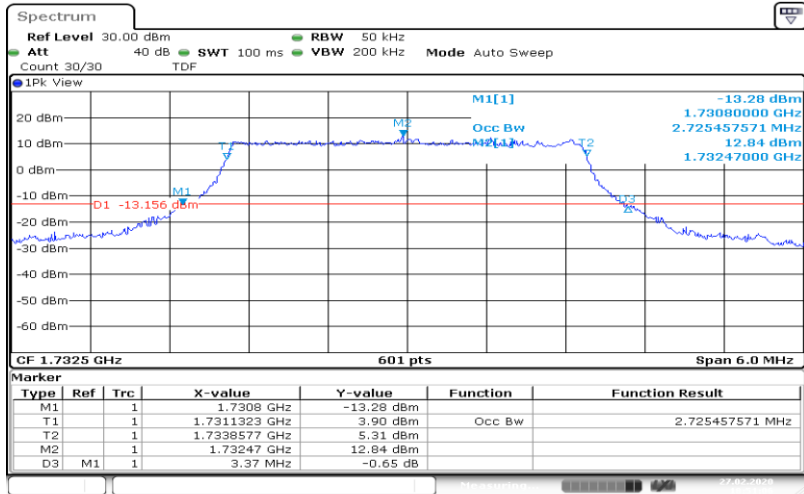


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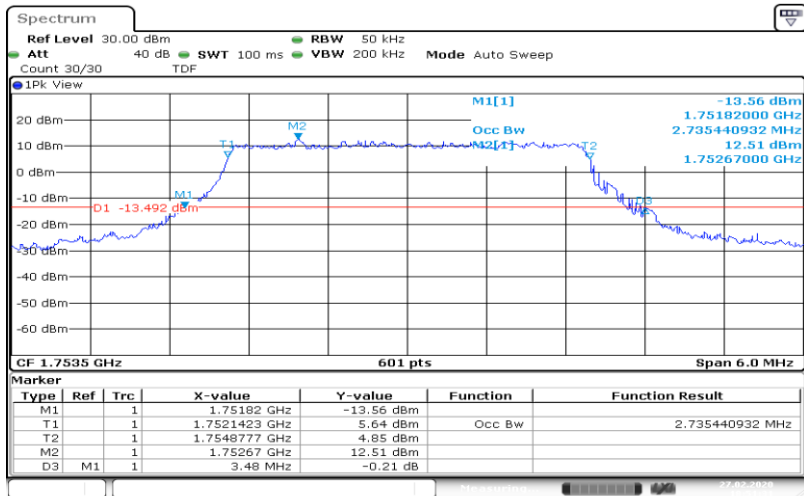
Band4-3MHz-16QAM-19965-15RB#0-2.735



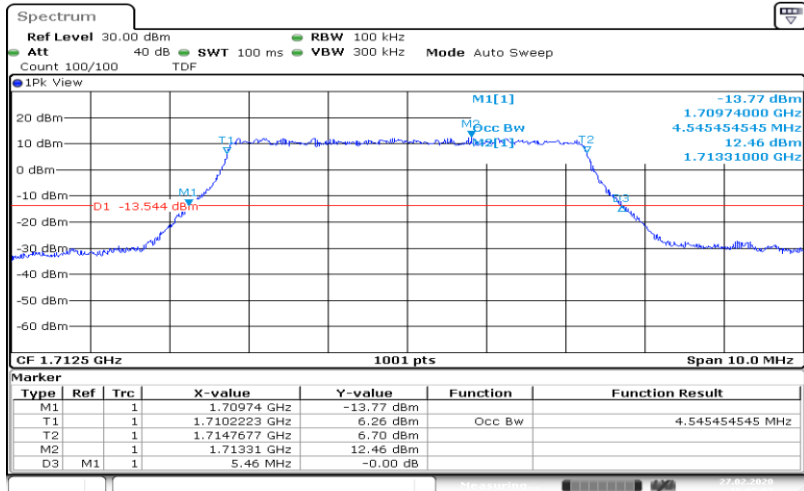
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Band4-3MHz-16QAM-20385-15RB#0-2.735

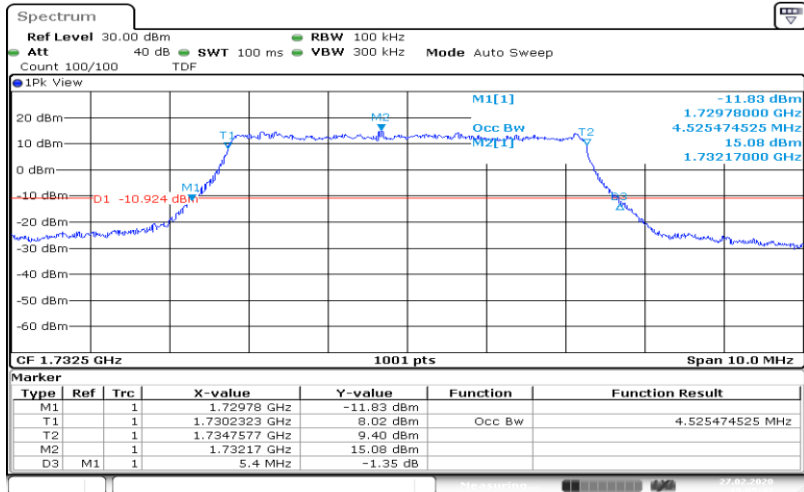


Band4-5MHz-QPSK-19975-25RB#0-4.545



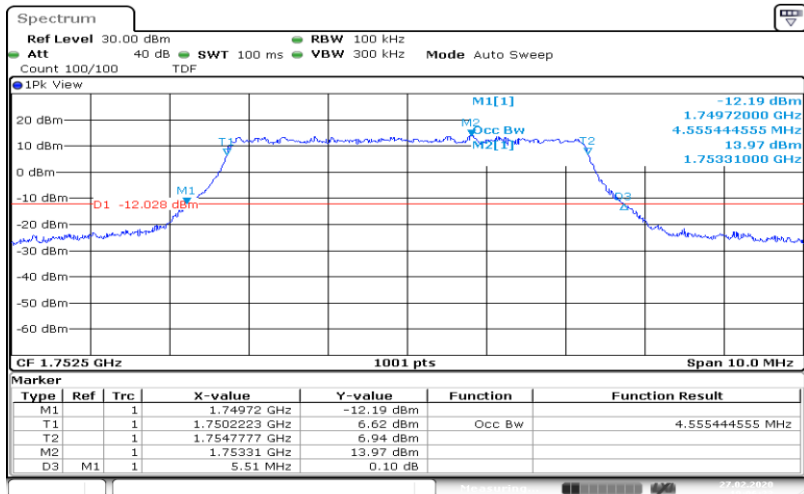
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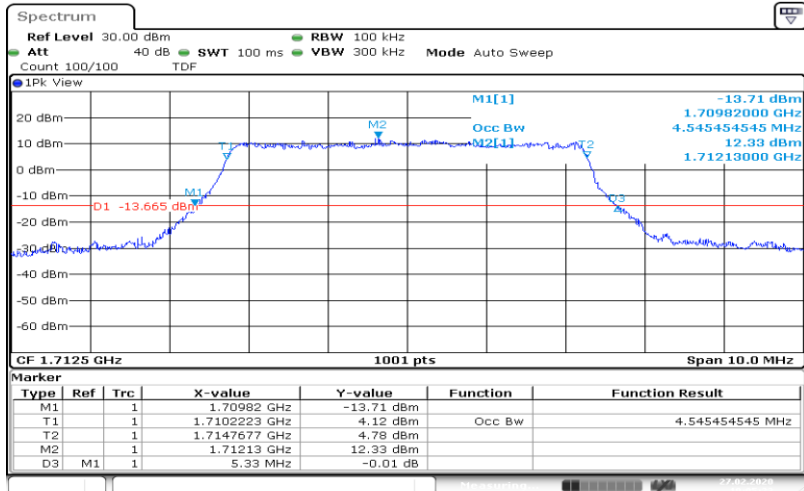
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Band4-5MHz-QPSK-20375-25RB#0-4.555

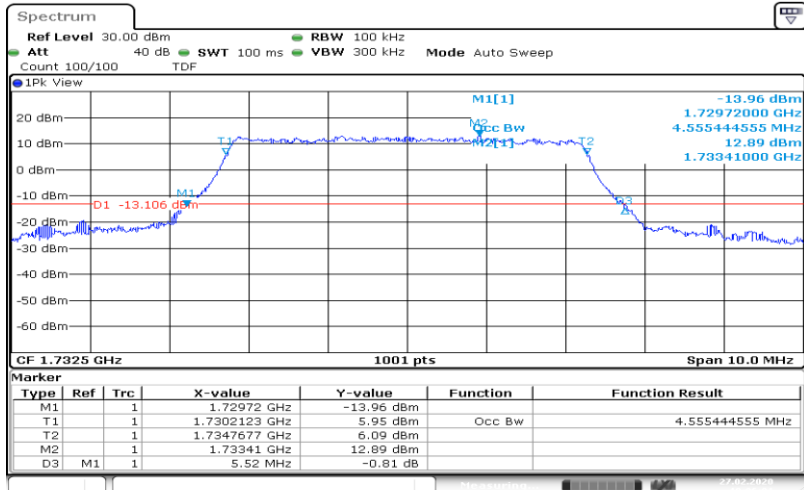


Date: 27.FEB.2020 19:06:22

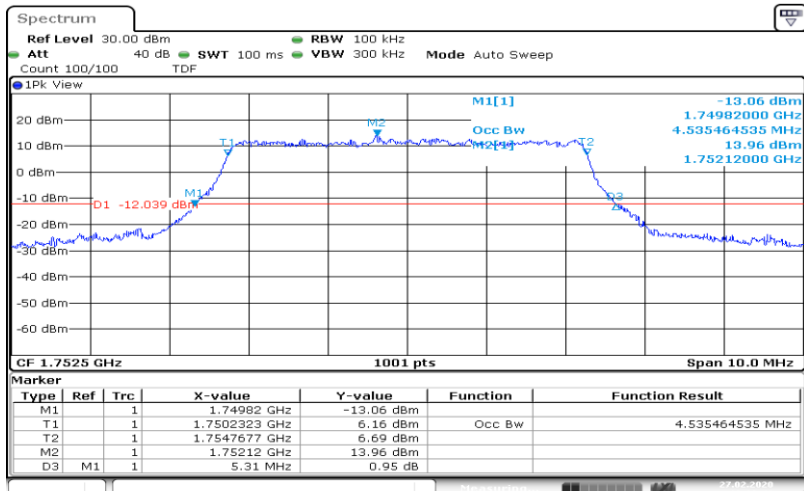
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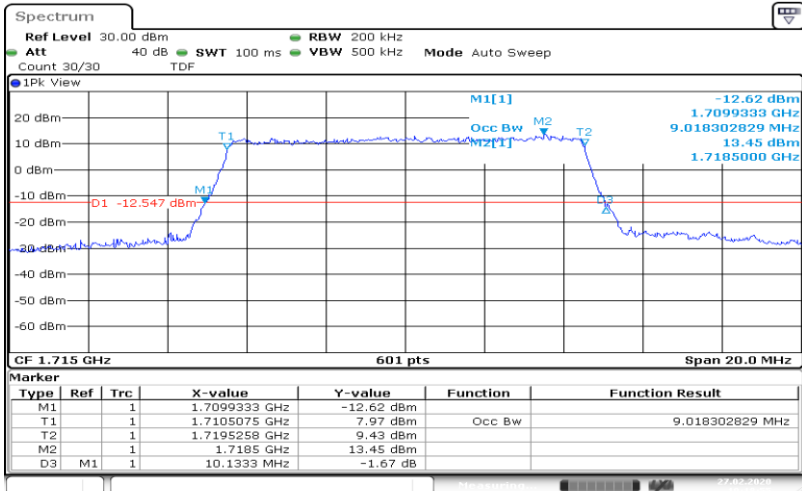
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Band4-5MHz-16QAM-20375-25RB#0-4.535

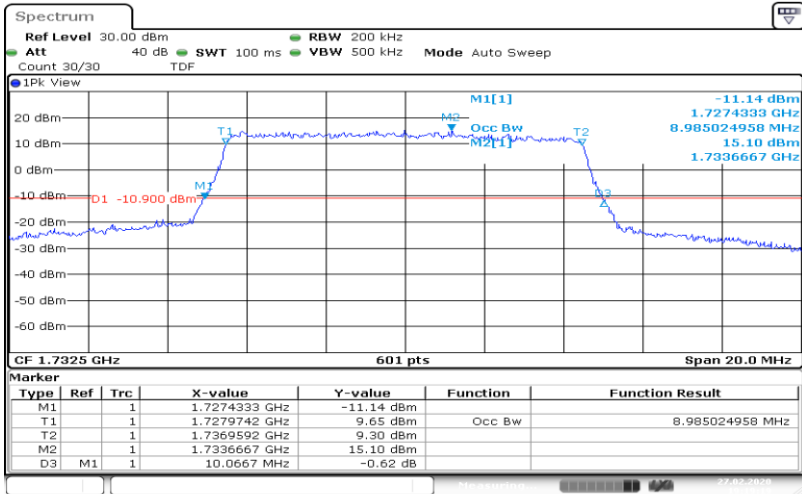


Band4-10MHz-QPSK-2000-50RB#0-9.018



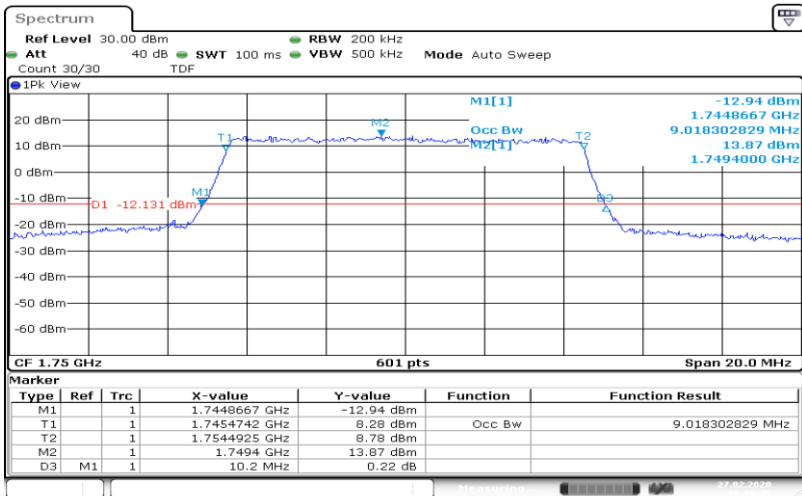
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Band4-10MHz-QPSK-20175-50RB#0-8.985



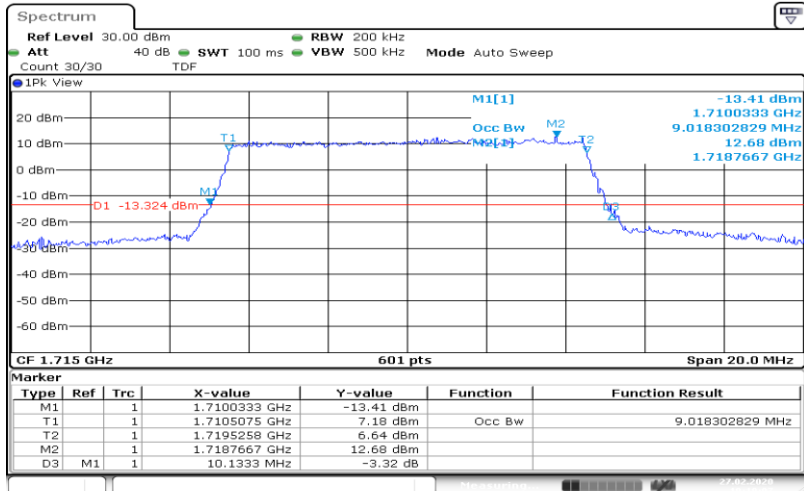
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Band4-10MHz-QPSK-20350-50RB#0-9.018



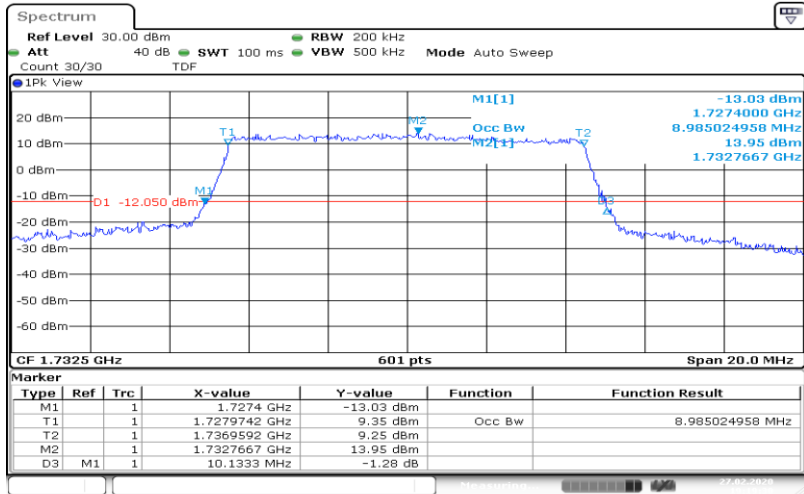
Date: 27.FEB.2020 19:19:44

Band4-10MHz-16QAM-2000-50RB#0-9.018



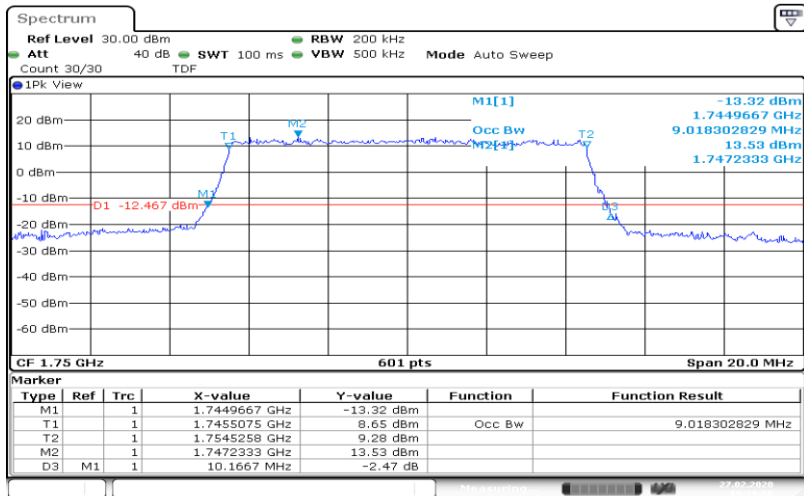
Date: 27.FEB.2020 19:19:07

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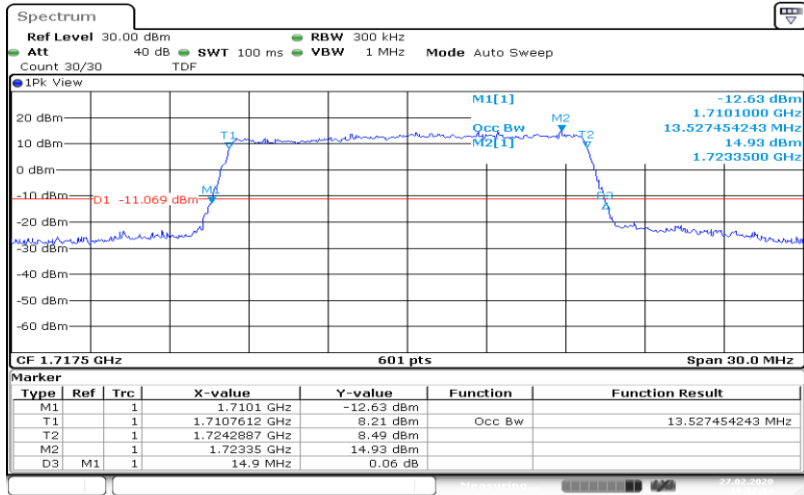
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Band4-10MHz-16QAM-20350-50RB#0-9.018



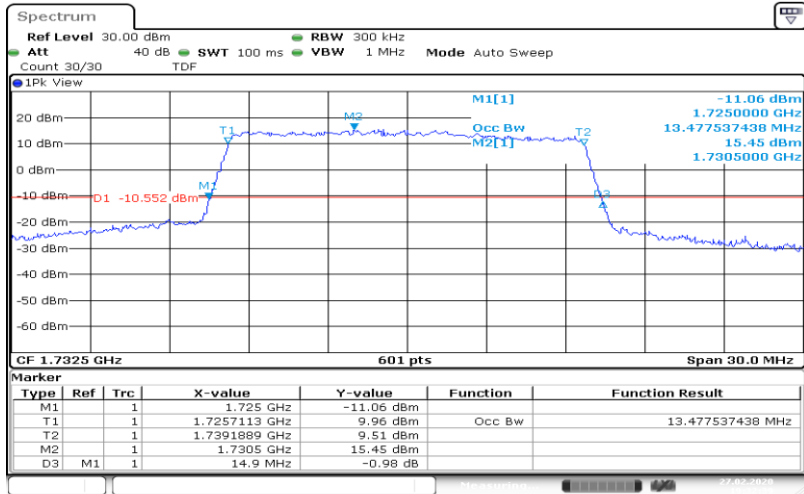
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Band4-15MHz-QPSK-20025-75RB#0-13.527



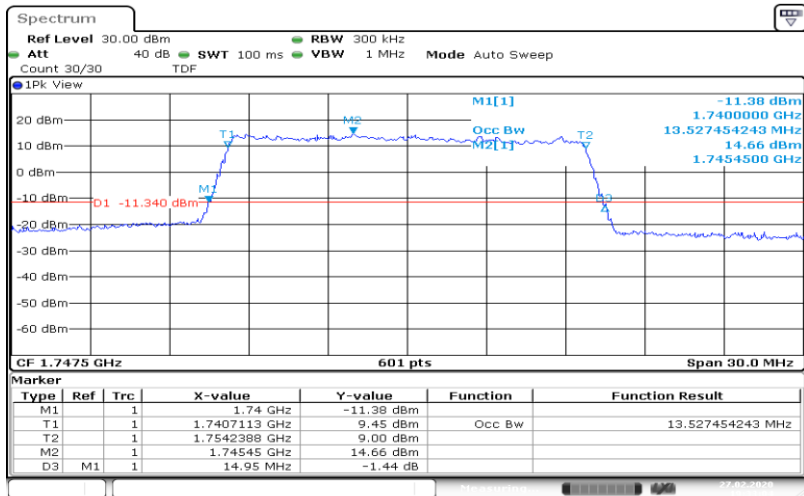
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Band4-15MHz-QPSK-20175-75RB#0-13.478



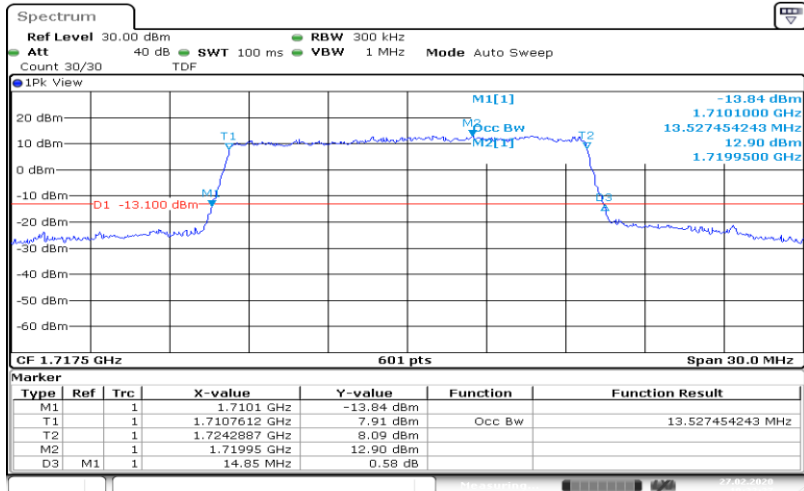
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Band4-15MHz-QPSK-20325-75RB#0-13.527



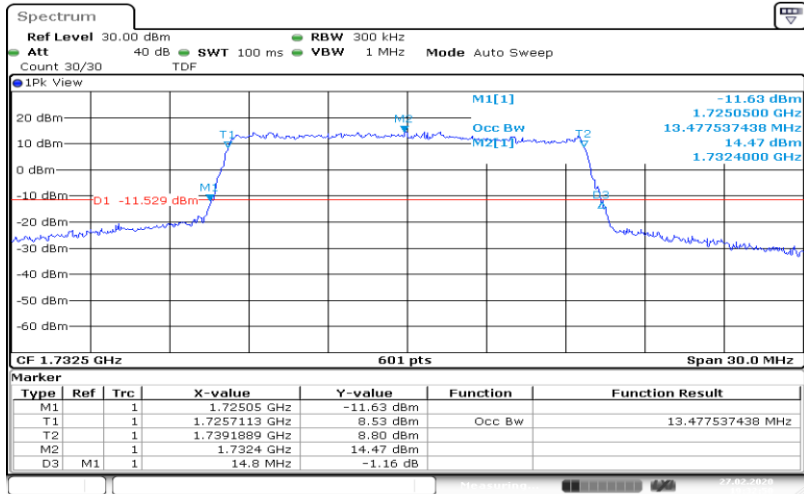
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Band4-15MHz-16QAM-20025-75RB#0-13.527



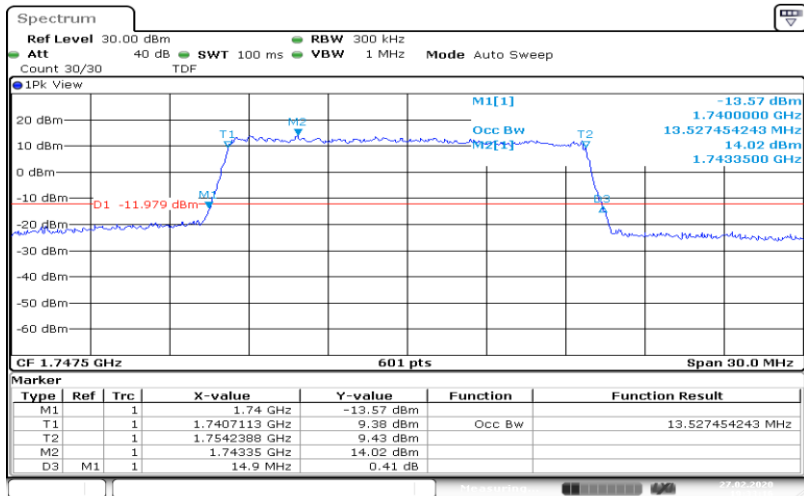
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Band4-15MHz-16QAM-20175-75RB#0-13.478



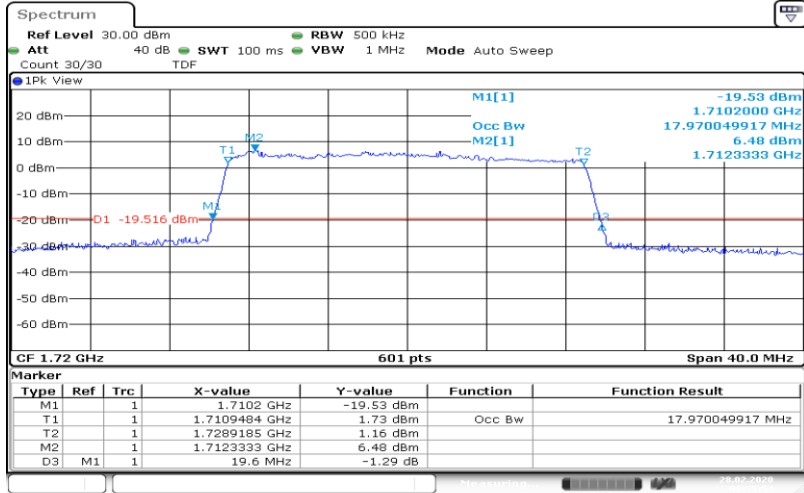
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Band4-15MHz-16QAM-20325-75RB#0-13.527



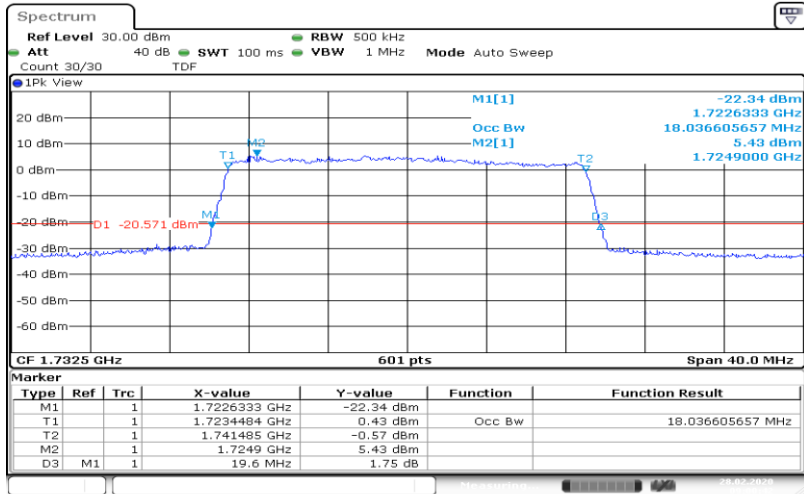
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Band4-20MHz-QPSK-20050-100RB#0-17.97



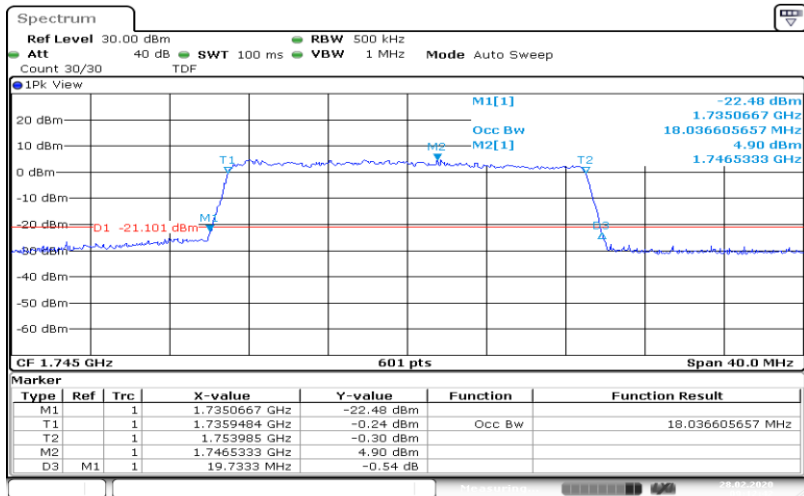
Date: 28.FEB.2020 08:55:54

Band4-20MHz-QPSK-20175-100RB#0-18.037



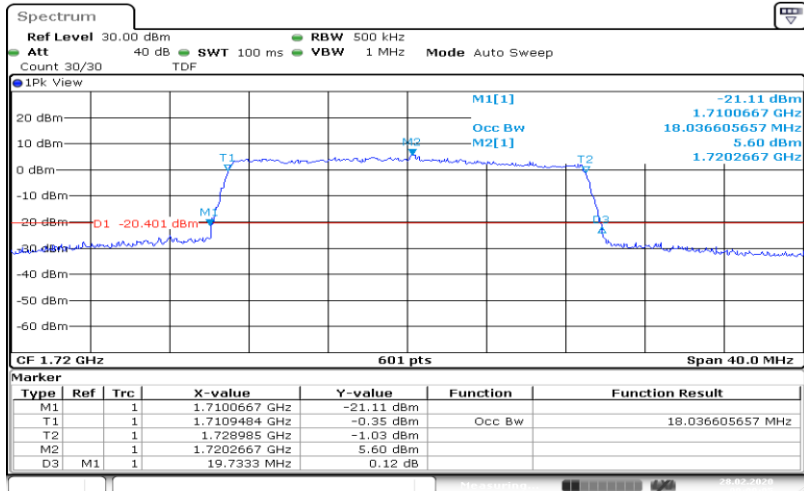
Date: 28.FEB.2020 09:00:43

Band4-20MHz-QPSK-20300-100RB#0-18.037



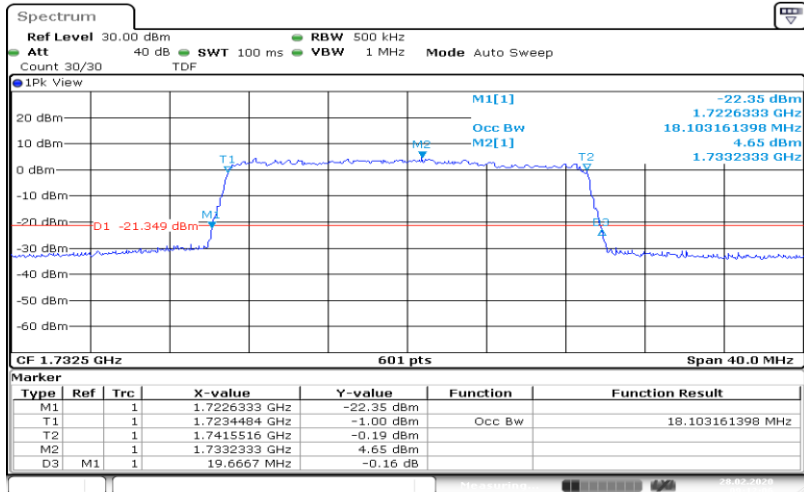
Date: 28.FEB.2020 09:12:42

Band4-20MHz-16QAM-20050-100RB#0-18.037



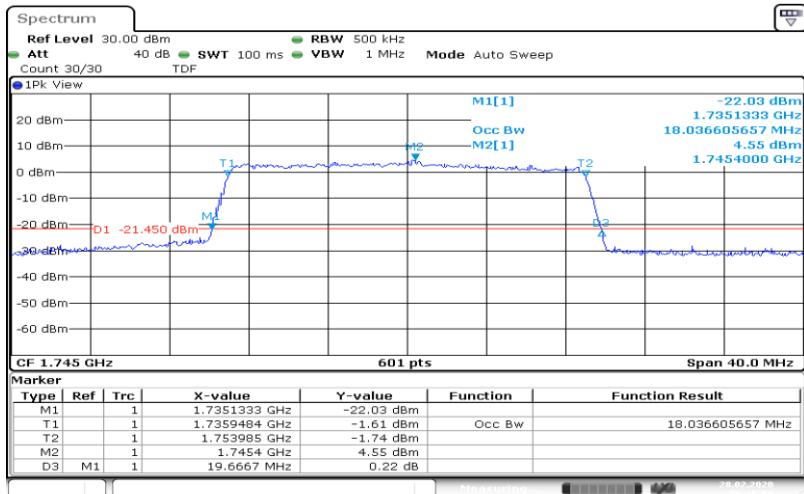
Date: 28.FEB.2020 09:00:05

Band4-20MHz-16QAM-20175-100RB#0-18.103



Date: 28.FEB.2020 09:12:05

Band4-20MHz-16QAM-20300-100RB#0-18.037



Date: 28.FEB.2020 09:16:50

Appendix C: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	-21.09	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-19.64	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-22.11	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-19.41	PASS
Band4	3MHz	QPSK	19965	15RB#0	-23.43	PASS
Band4	3MHz	QPSK	20385	15RB#0	-20.79	PASS
Band4	3MHz	16QAM	19965	15RB#0	-24.81	PASS
Band4	3MHz	16QAM	20385	15RB#0	-21.91	PASS
Band4	5MHz	QPSK	19975	25RB#0	-26.39	PASS
Band4	5MHz	QPSK	20375	25RB#0	-24.19	PASS
Band4	5MHz	16QAM	19975	25RB#0	-27.49	PASS
Band4	5MHz	16QAM	20375	25RB#0	-25.78	PASS
Band4	10MHz	QPSK	20000	50RB#0	-32.46	PASS
Band4	10MHz	QPSK	20350	50RB#0	-29.33	PASS
Band4	10MHz	16QAM	20000	50RB#0	-33.11	PASS
Band4	10MHz	16QAM	20350	50RB#0	-31.01	PASS
Band4	15MHz	QPSK	20025	75RB#0	-32.86	PASS
Band4	15MHz	QPSK	20325	75RB#0	-30.65	PASS
Band4	15MHz	16QAM	20025	75RB#0	-33.49	PASS
Band4	15MHz	16QAM	20325	75RB#0	-33.11	PASS
Band4	20MHz	QPSK	20050	100RB#0	-52.16	PASS
Band4	20MHz	QPSK	20300	100RB#0	-52.85	PASS
Band4	20MHz	16QAM	20050	100RB#0	-40.46	PASS
Band4	20MHz	16QAM	20300	100RB#0	-41.18	PASS