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

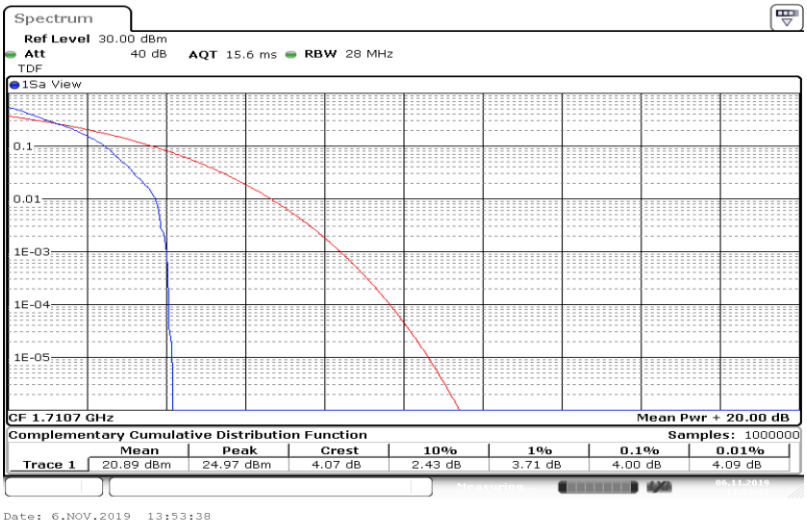
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	4.00	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	4.67	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	3.36	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	4.26	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	3.04	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	3.77	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	4.99	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	5.54	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	4.26	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.16	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	4.12	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	4.70	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	4.78	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	4.32	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	4.06	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	5.62	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.22	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	4.99	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.10	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.43	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.29	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	5.91	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.30	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.16	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	4.35	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	4.38	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	4.55	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	5.28	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.30	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	5.45	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	4.26	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	4.43	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	4.84	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	5.16	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	5.30	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	5.68	13	PASS

Band4	20MHz	QPSK	20050	100RB#0	5.13	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	4.26	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.64	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.16	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.19	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.65	13	PASS

Test Graphs

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



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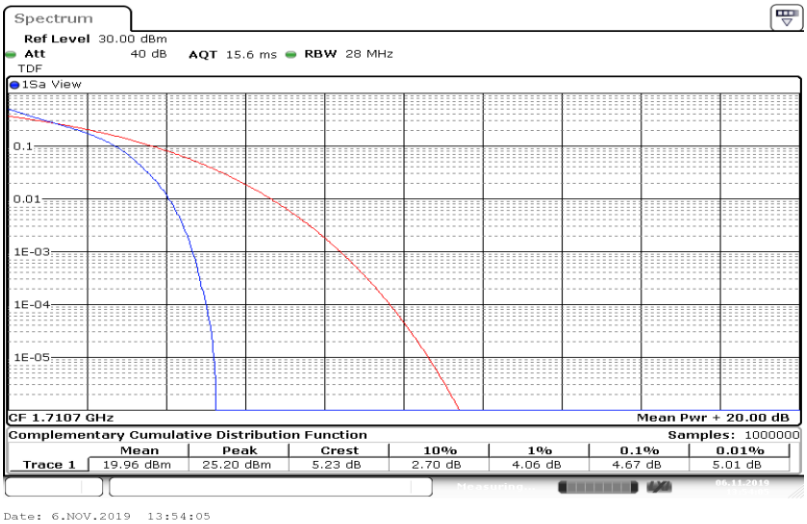

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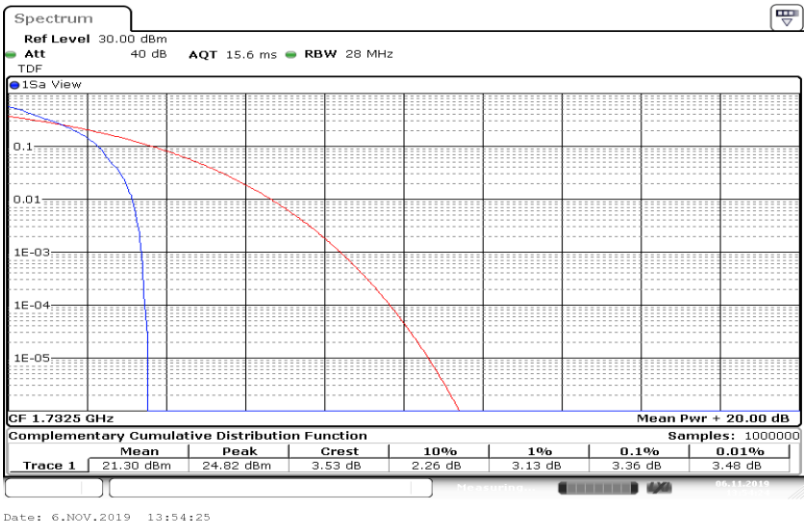

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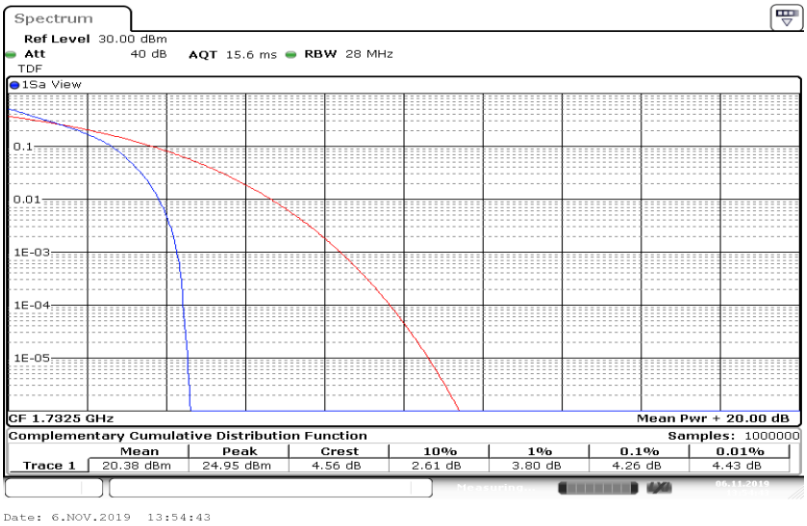

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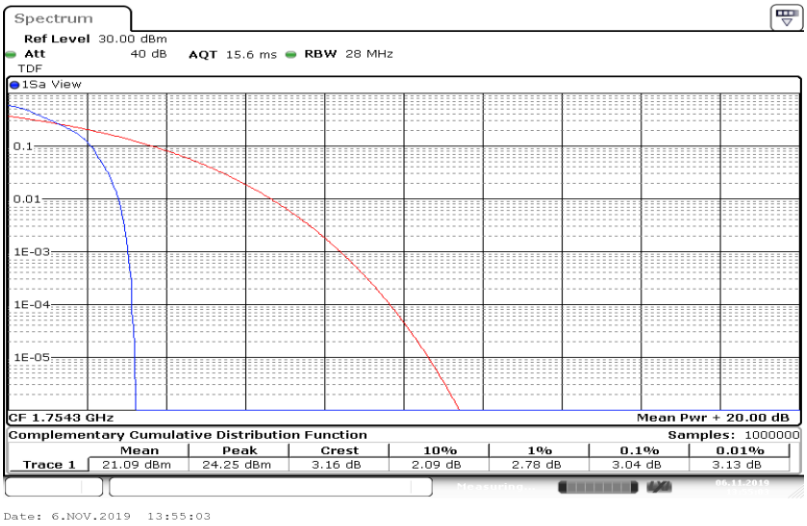

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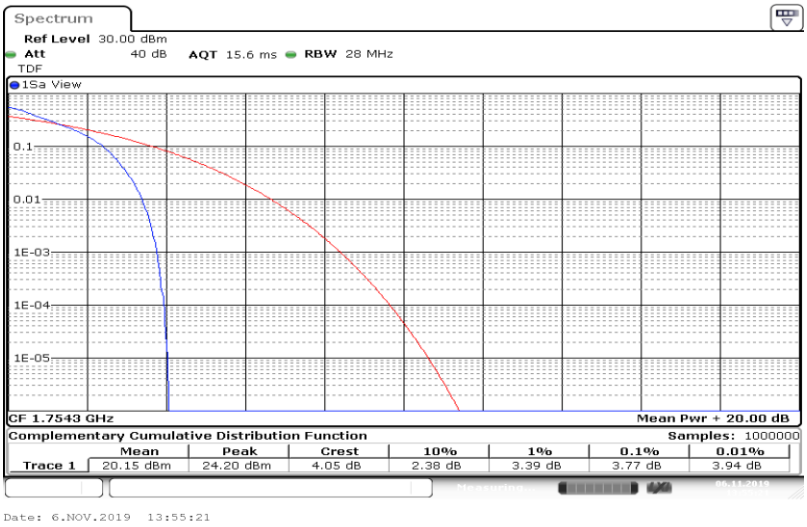

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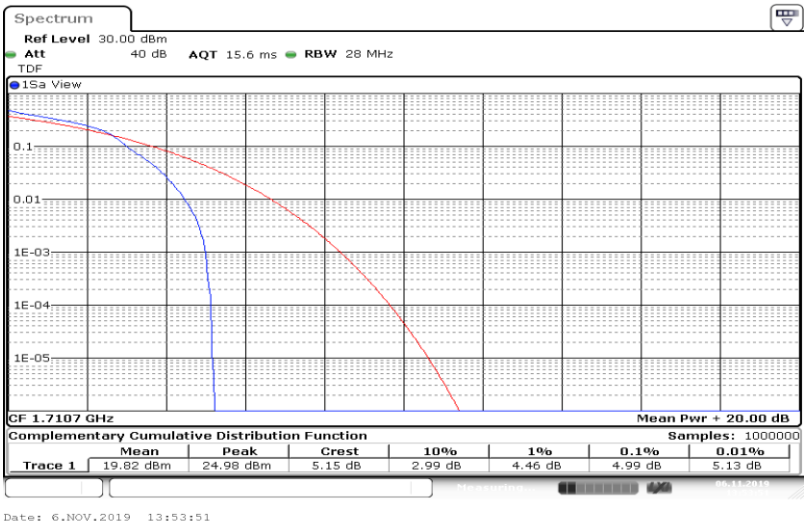

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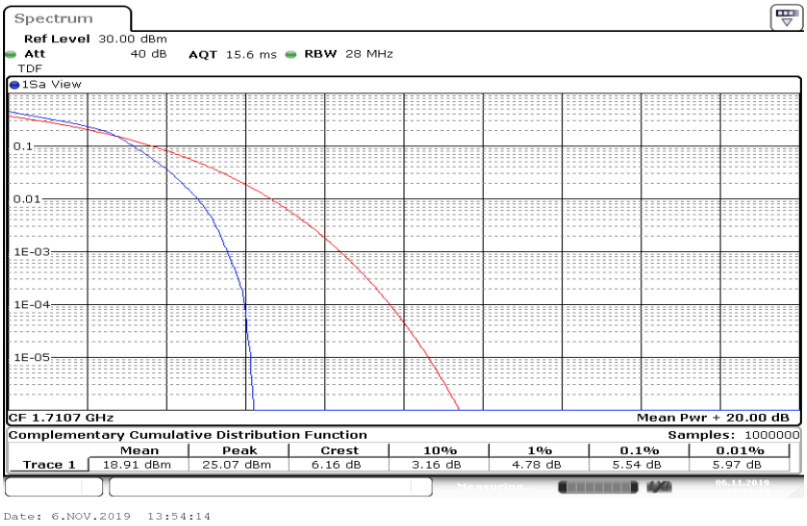

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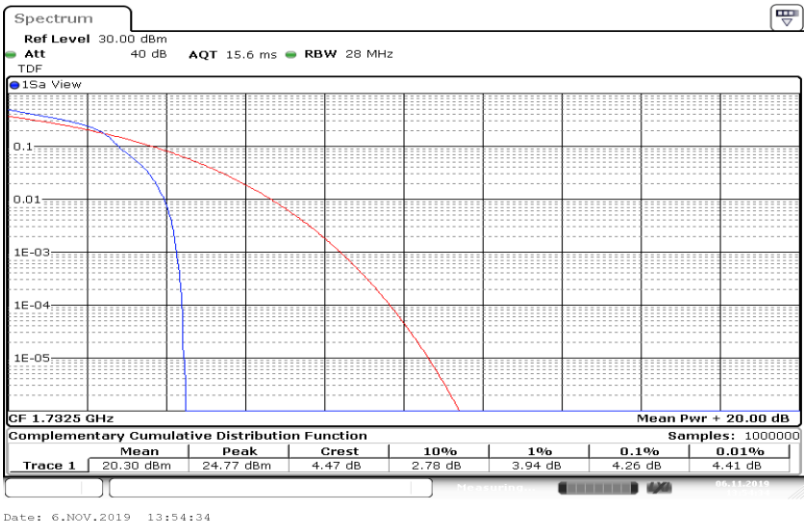

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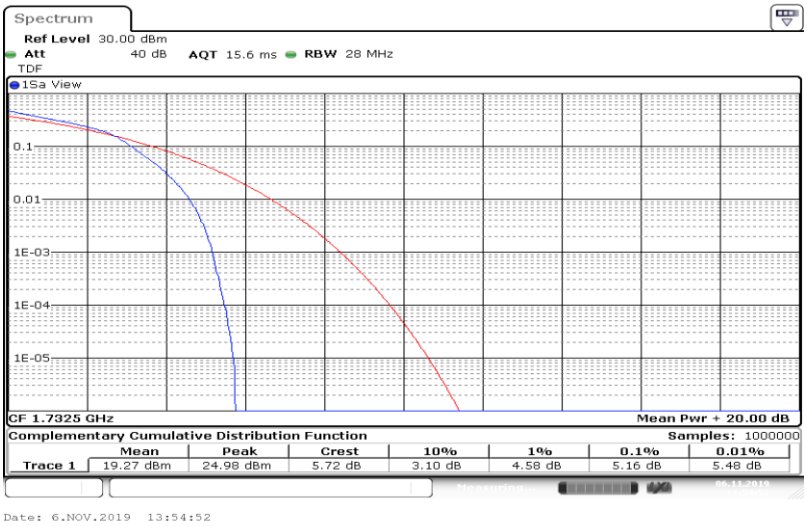
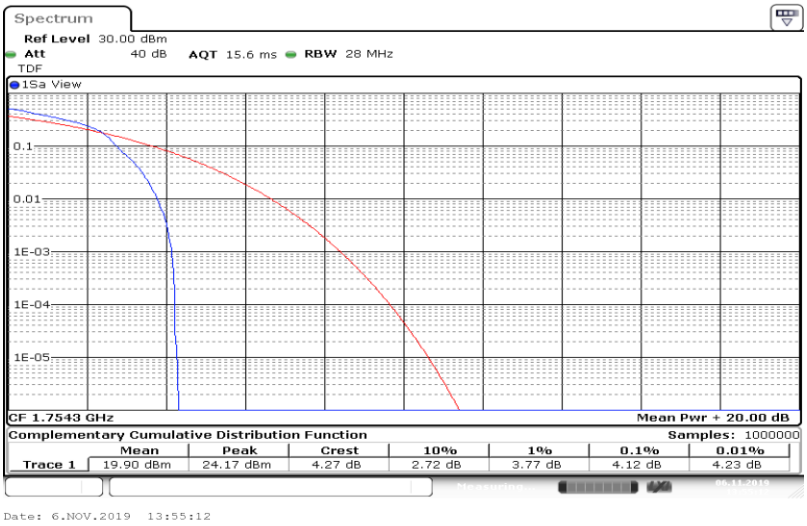


Band4-1.4MHz-16QAM-20393-1RB#0



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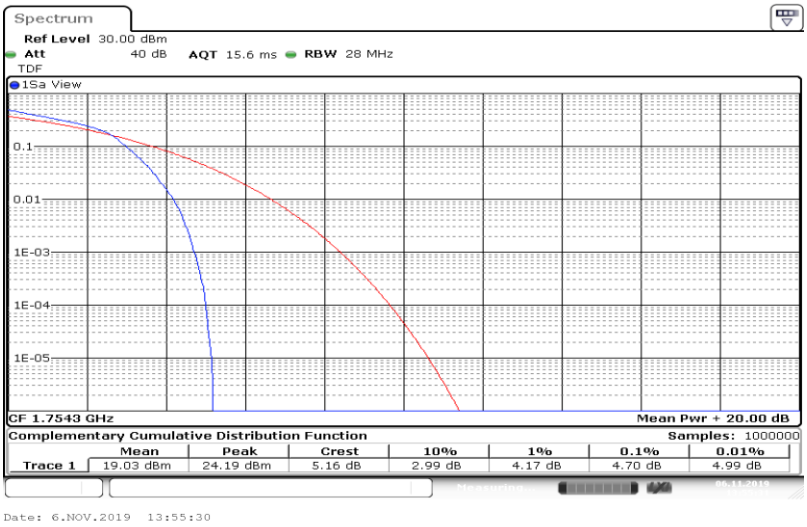

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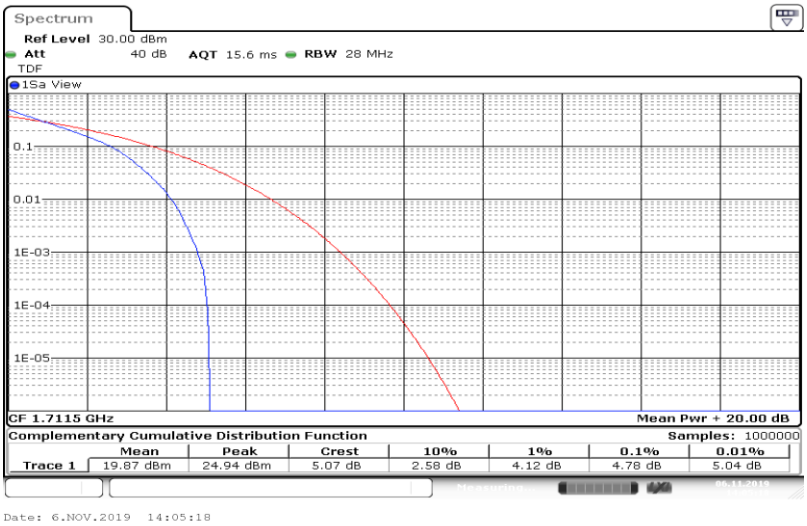

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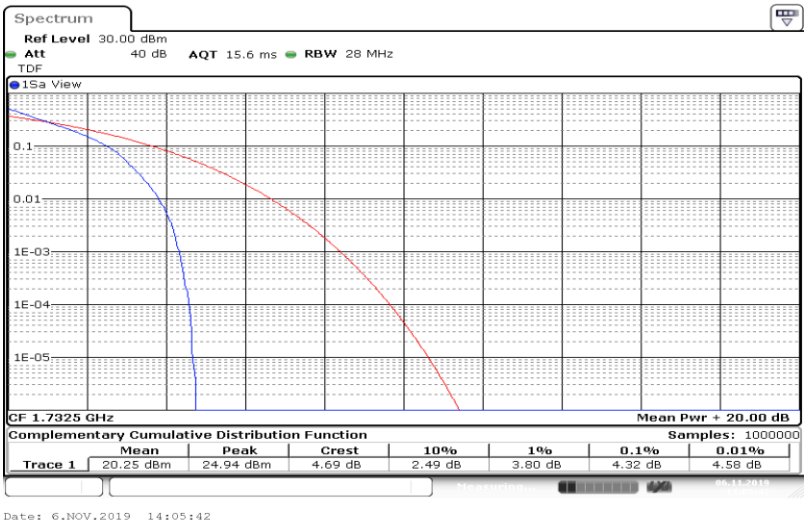
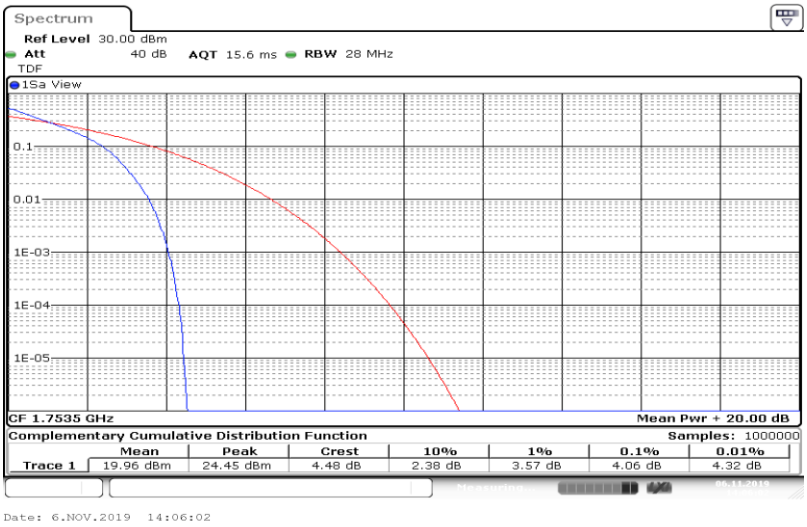


Band4-3MHz-QPSK-20385-15RB#0



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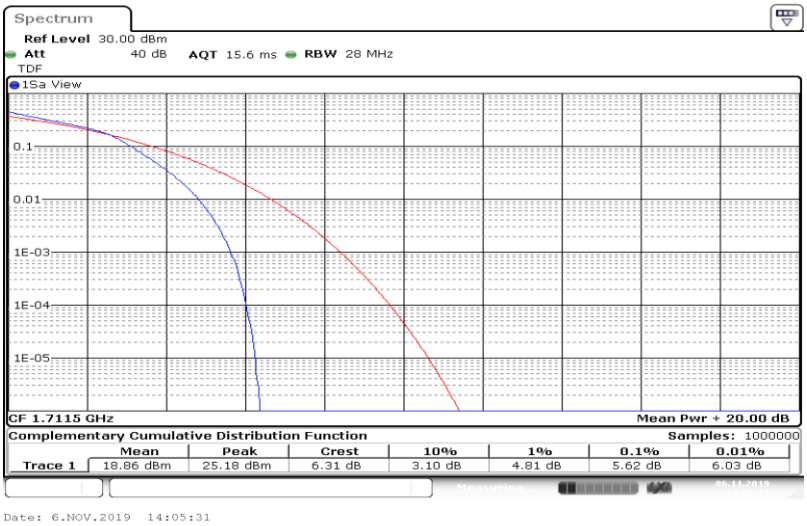

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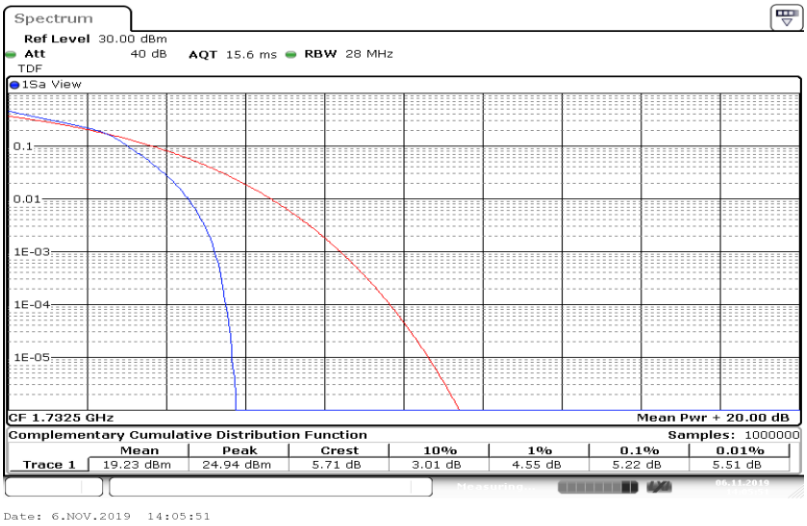

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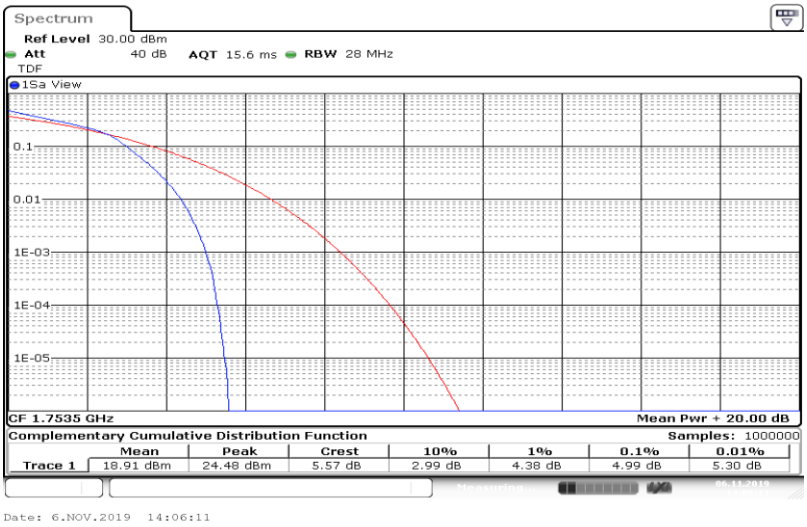
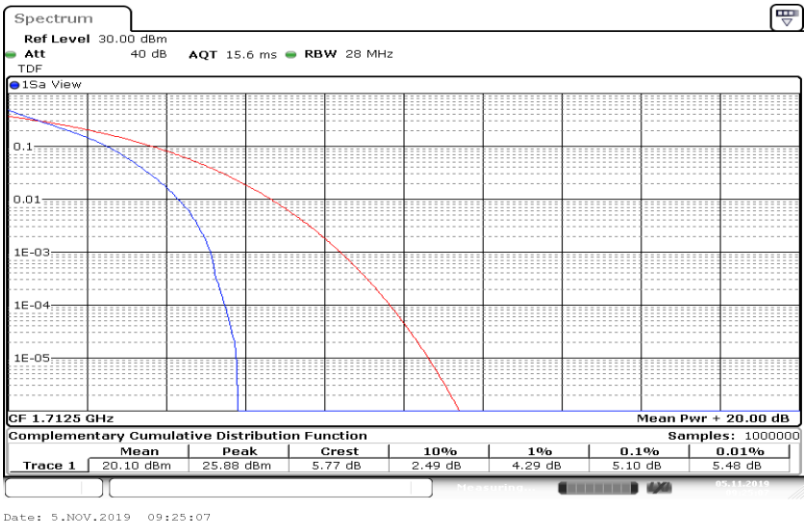


Band4-5MHz-QPSK-19975-25RB#0



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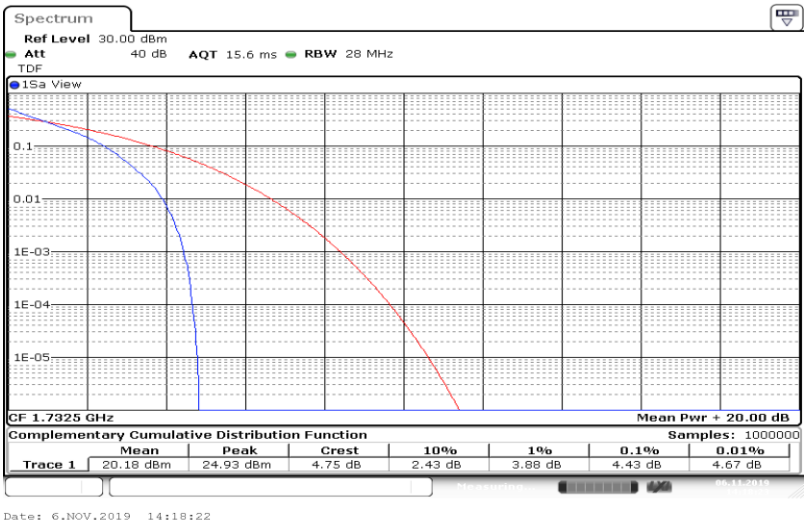
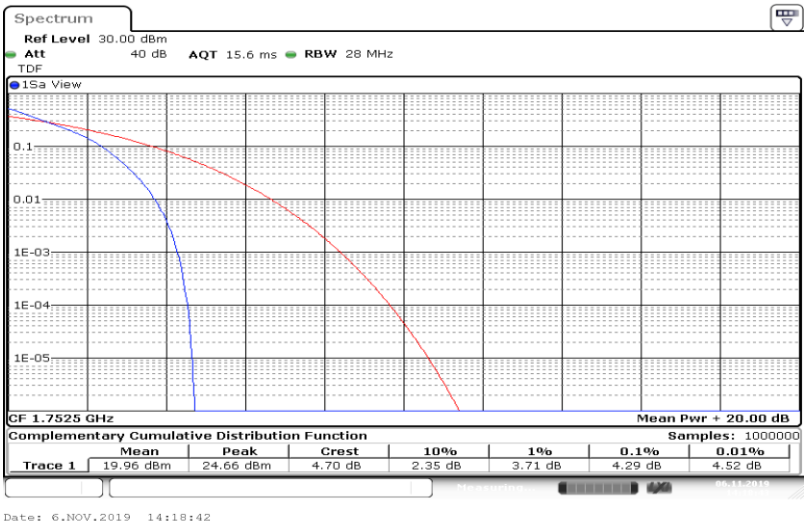


Band4-5MHz-QPSK-20375-25RB#0



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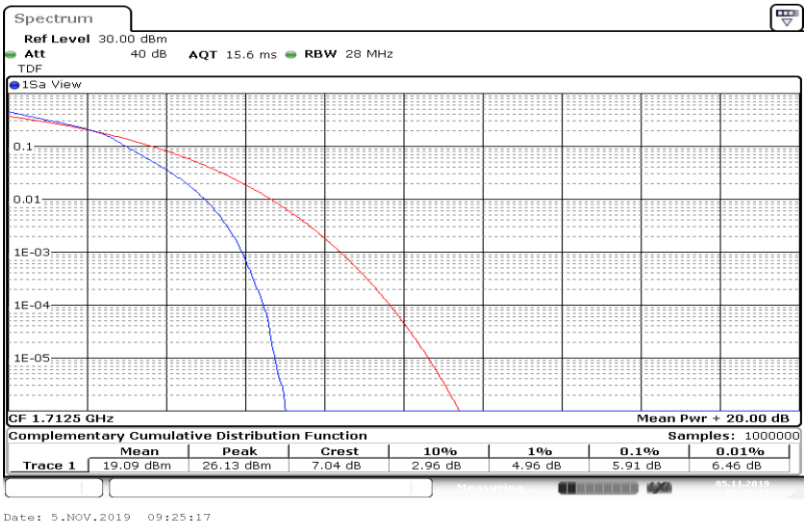

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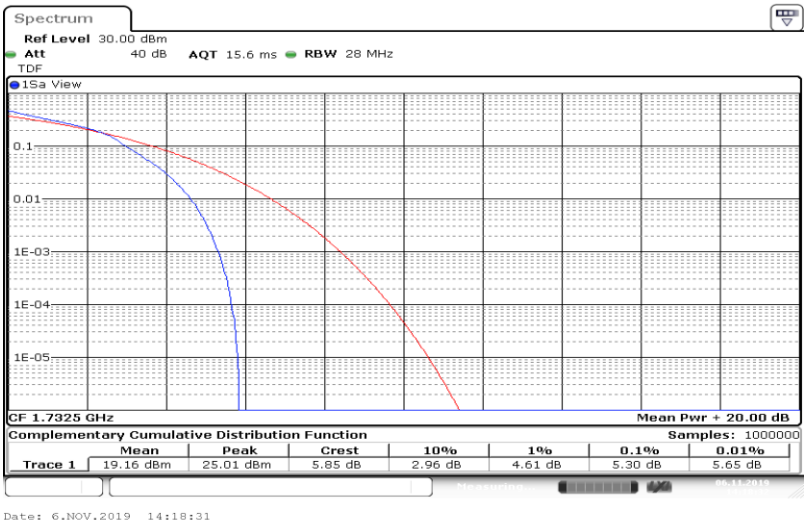

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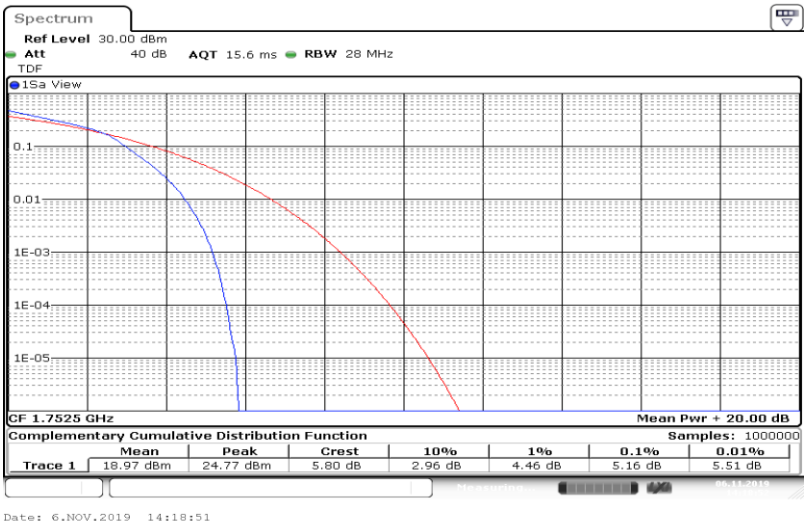
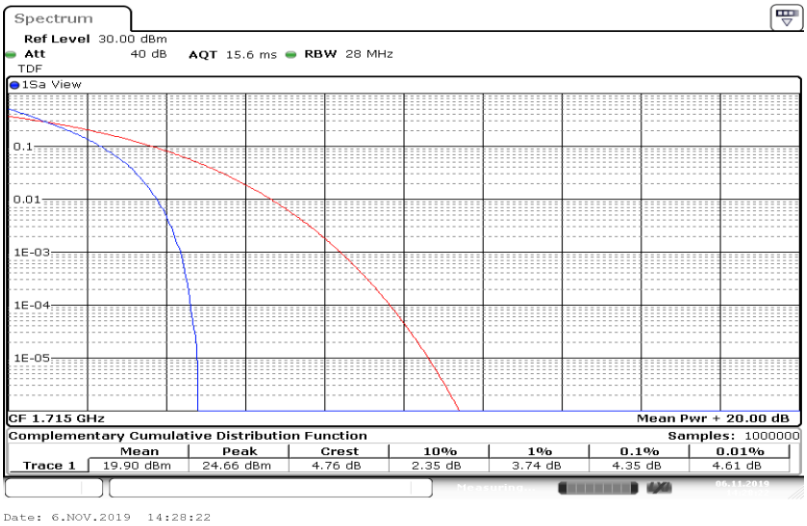


Band4-10MHz-QPSK-20000-50RB#0



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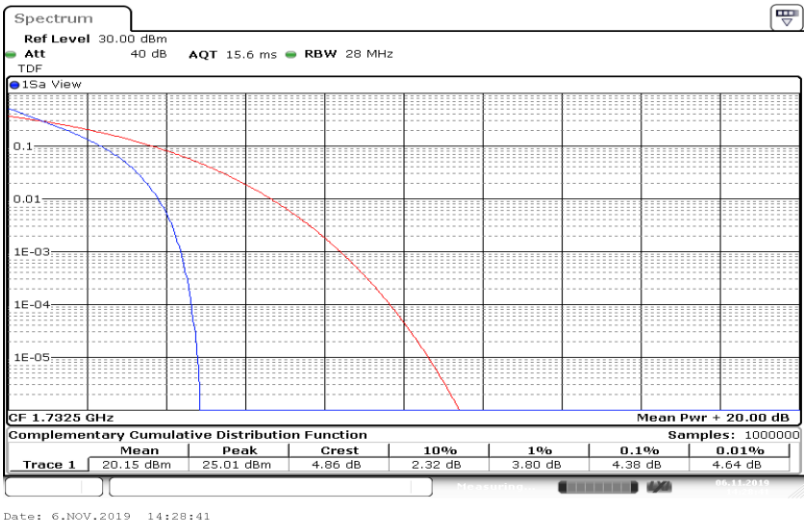

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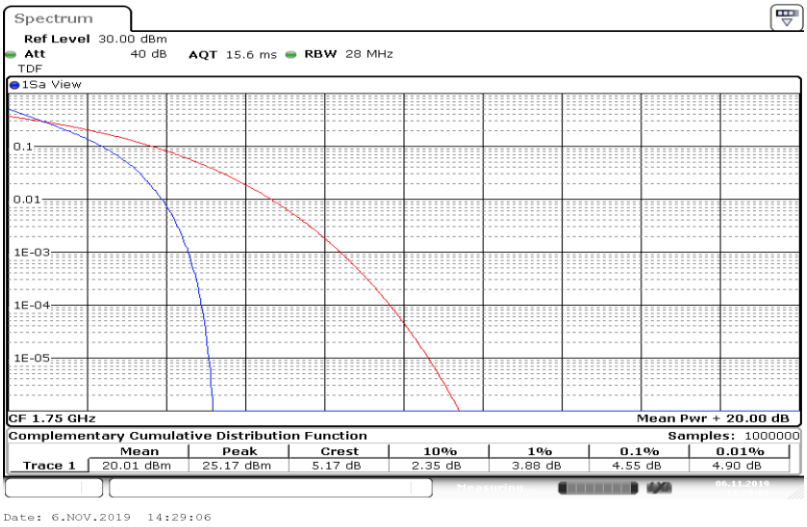

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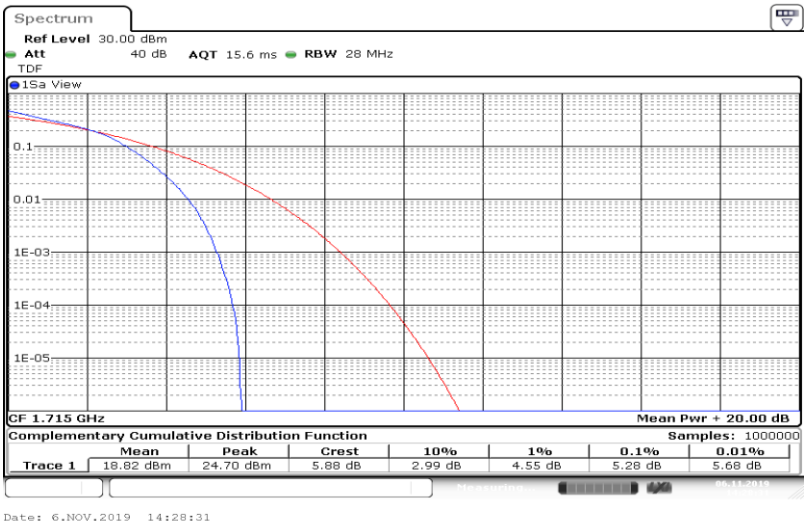

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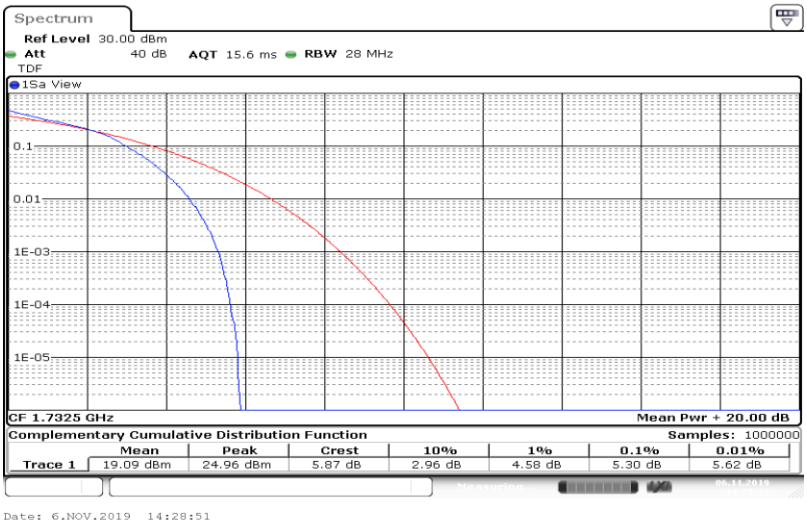

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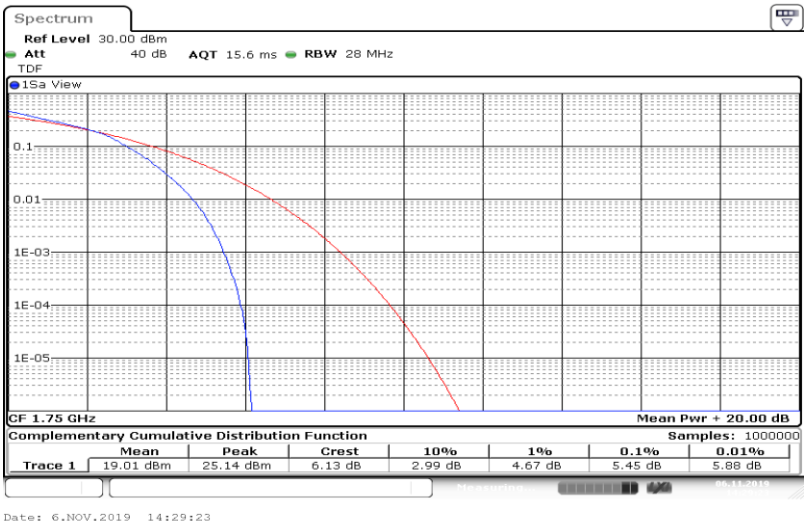

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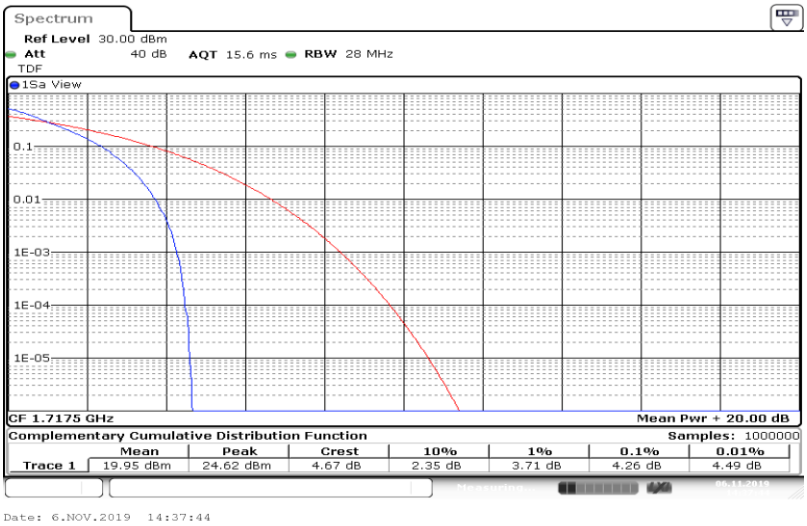

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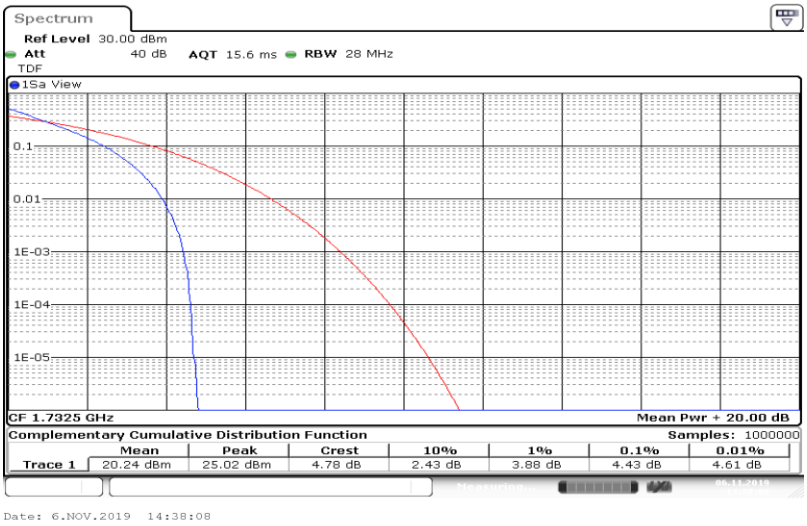

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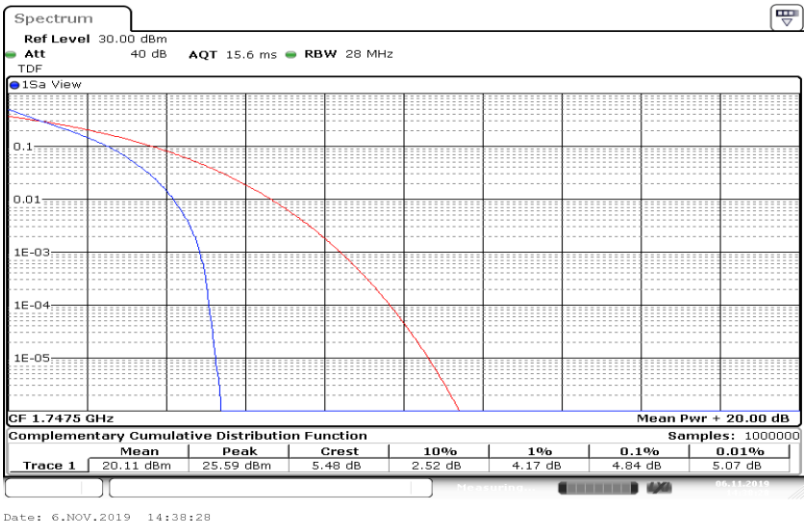

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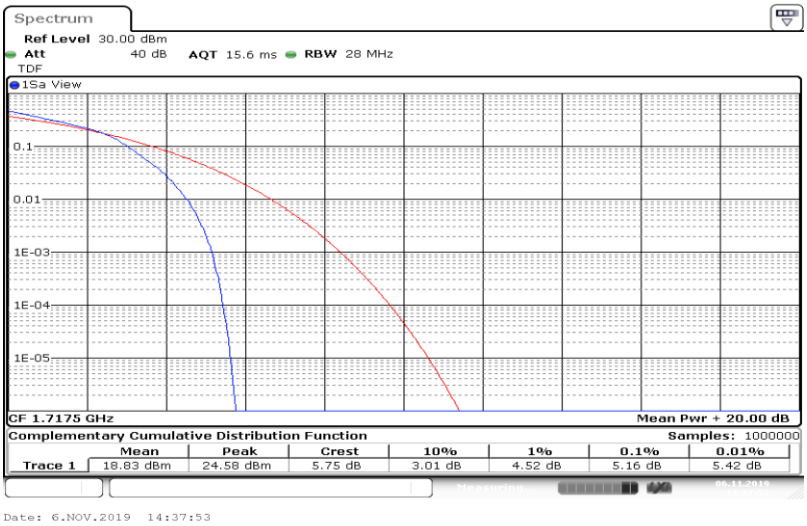

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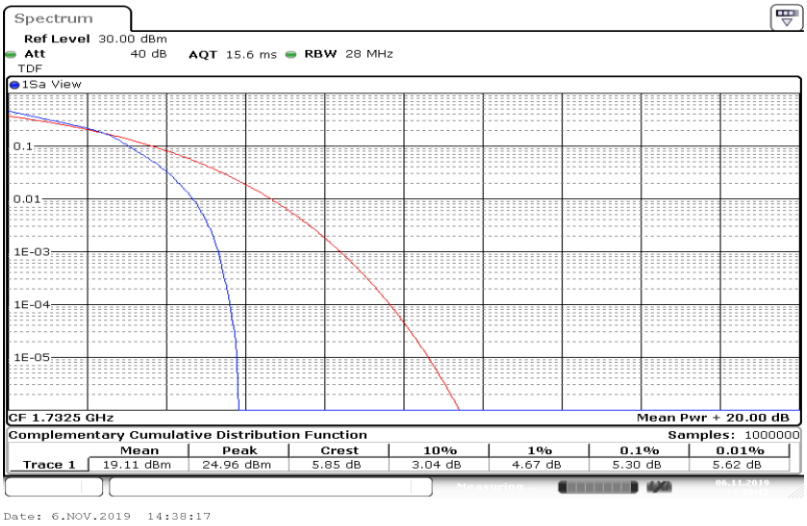

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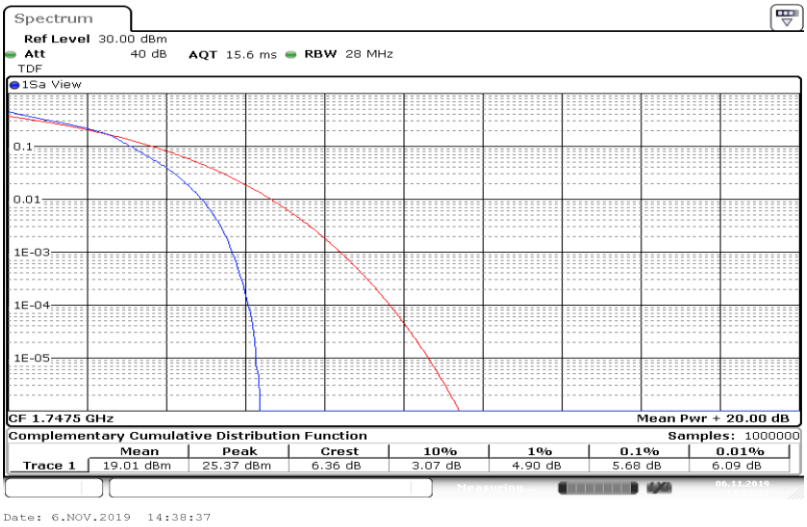
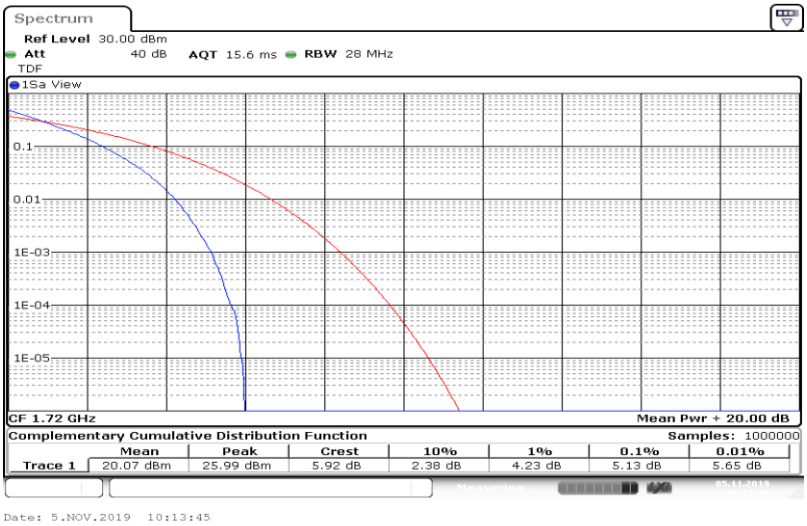


Band4-20MHz-QPSK-20050-100RB#0



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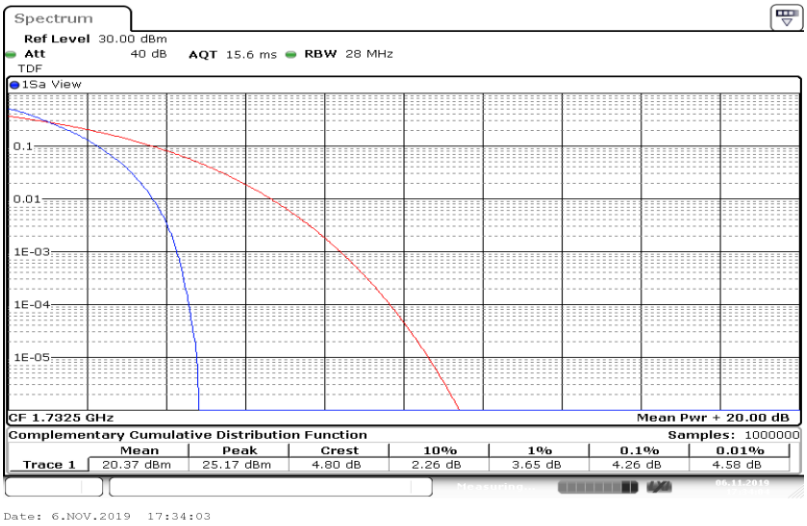
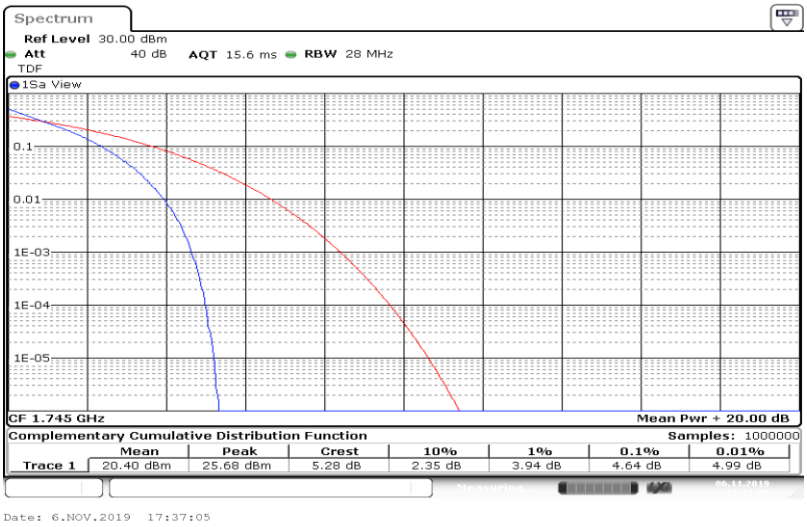
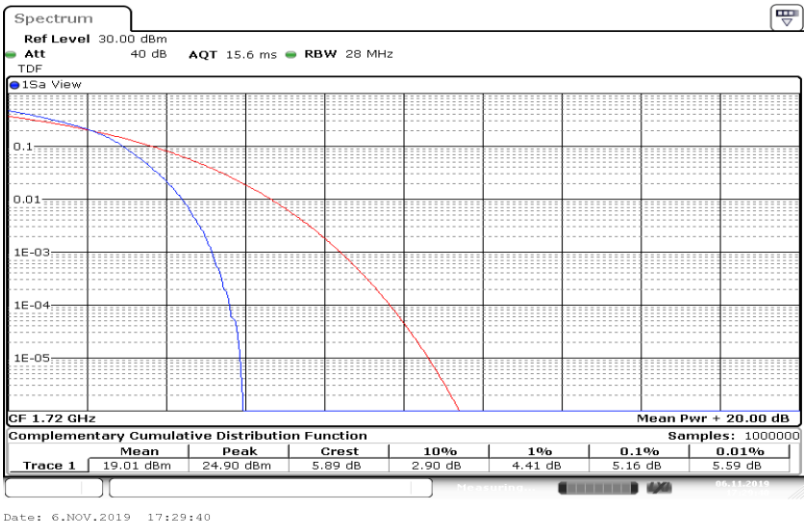


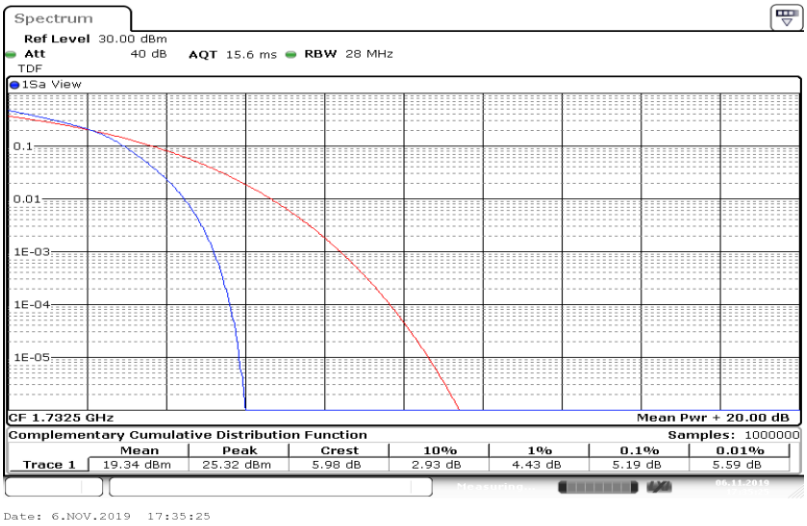
Band4-20MHz-QPSK-20300-100RB#0



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



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



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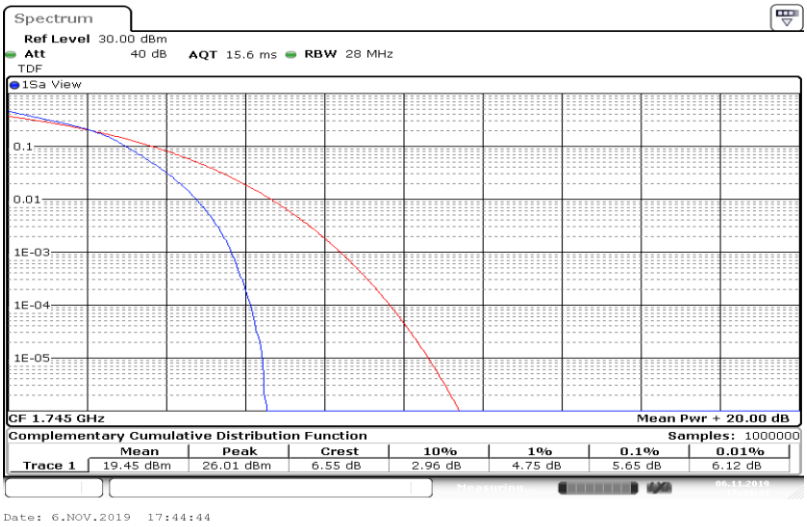
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Att 40 dB
AQT 15.6 ms
RBW 28 MHz
TDF
1Sa View
0.1
0.01
1E-03
1E-04
1E-05
CF 1.745 GHz
Mean Pwr + 20.00 dB
Complementary Cumulative Distribution Function
Samples: 1000000
Mean Peak Crest 10% 1% 0.1% 0.01%
Trace 1 19.45 dBm 26.01 dBm 6.55 dB 2.96 dB 4.75 dB 5.65 dB 6.12 dB
Date: 6.NOV.2019 17:44:44

Appendix B: 26dB Bandwidth and Occupied Bandwidth

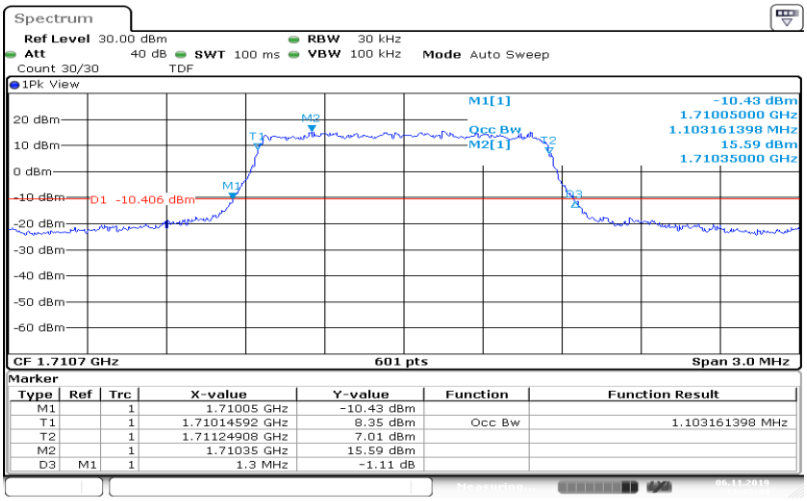
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.103	1.300	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.098	1.320	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.103	1.420	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.098	1.310	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.098	1.340	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.093	1.280	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.676	2.860	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.696	2.970	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.696	2.950	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.676	2.930	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.686	2.960	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.696	2.990	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.525	5.250	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.515	5.220	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.545	5.350	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.525	5.190	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.486	5.070	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.525	5.260	PASS
Band4	10MHz	QPSK	20000	50RB#0	9.018	10.333	PASS
Band4	10MHz	QPSK	20175	50RB#0	9.018	10.167	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.985	10.100	PASS
Band4	10MHz	16QAM	20000	50RB#0	9.018	10.067	PASS
Band4	10MHz	16QAM	20175	50RB#0	9.018	10.200	PASS
Band4	10MHz	16QAM	20350	50RB#0	9.018	10.100	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.577	15.300	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.527	15.300	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.527	15.450	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.527	14.850	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.527	15.150	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.527	15.250	PASS
Band4	20MHz	QPSK	20050	100RB#0	18.037	20.200	PASS
Band4	20MHz	QPSK	20175	100RB#0	18.037	20.200	PASS
Band4	20MHz	QPSK	20300	100RB#0	18.103	20.200	PASS

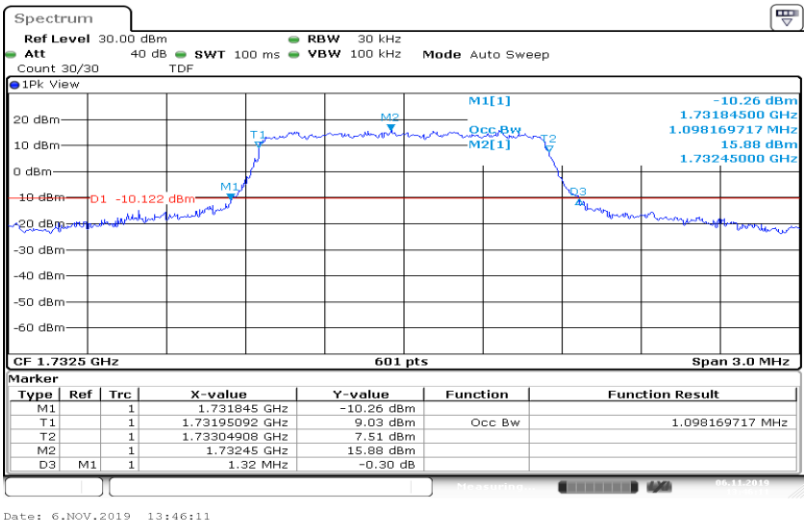
Band4	20MHz	16QAM	20050	100RB#0	18.037	20.067	PASS
Band4	20MHz	16QAM	20175	100RB#0	18.103	20.133	PASS
Band4	20MHz	16QAM	20300	100RB#0	18.103	20.133	PASS

Test Graphs

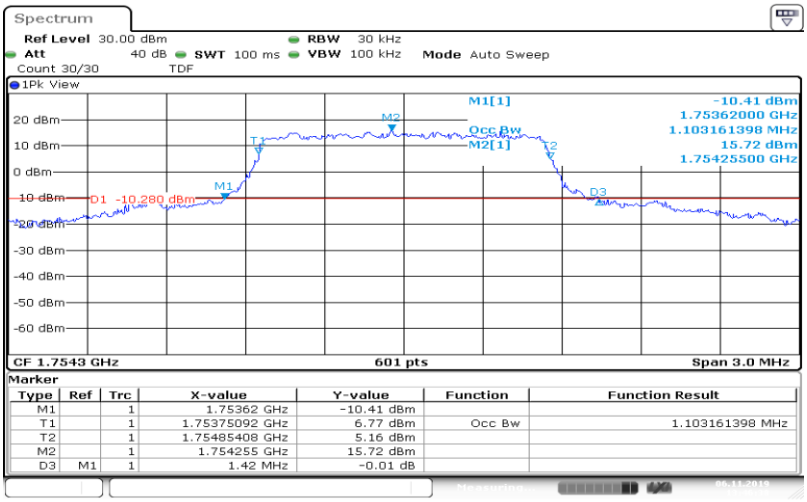
Band4-1.4MHz-QPSK-19957-6RB#0-1.103



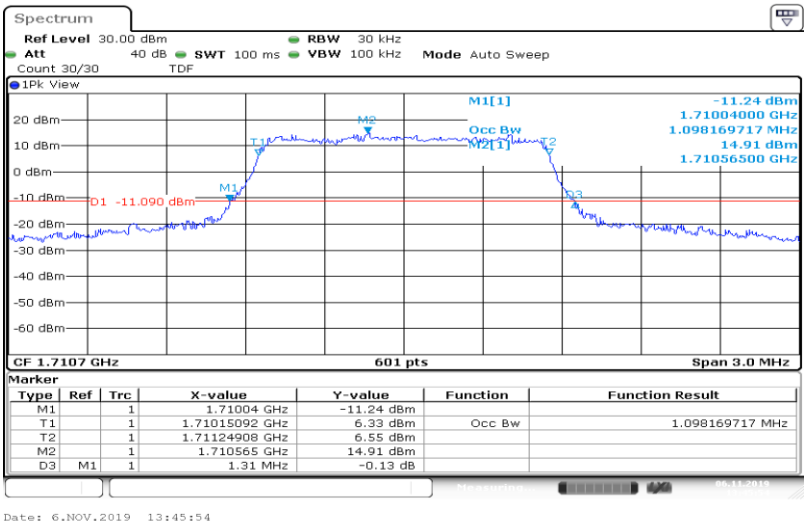
Band4-1.4MHz-QPSK-20175-6RB#0-1.098



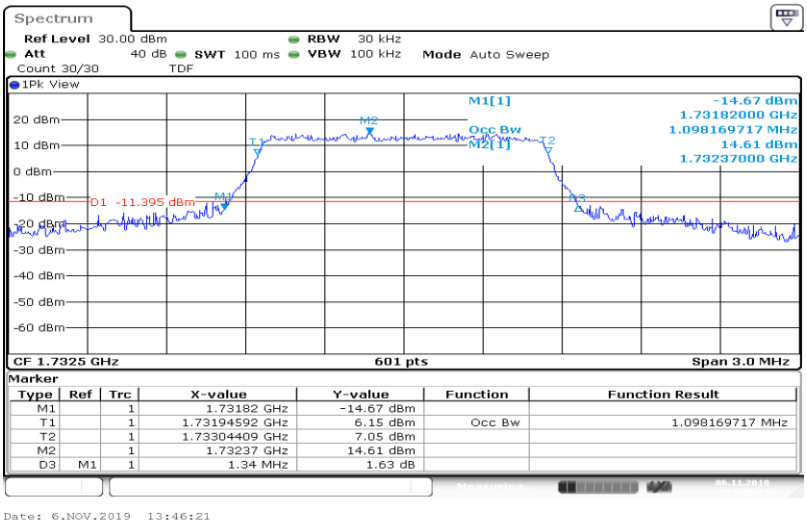
Band4-1.4MHz-QPSK-20393-6RB#0-1.103



Band4-1.4MHz-16QAM-19957-6RB#0-1.098



Band4-1.4MHz-16QAM-20175-6RB#0-1.098



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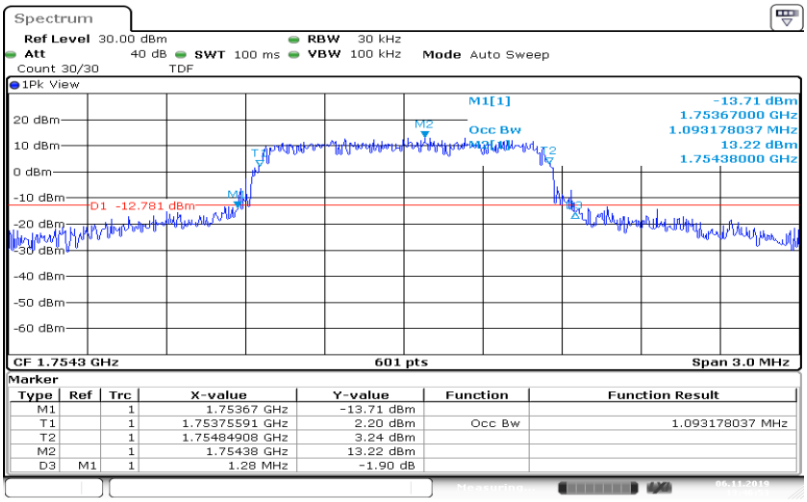
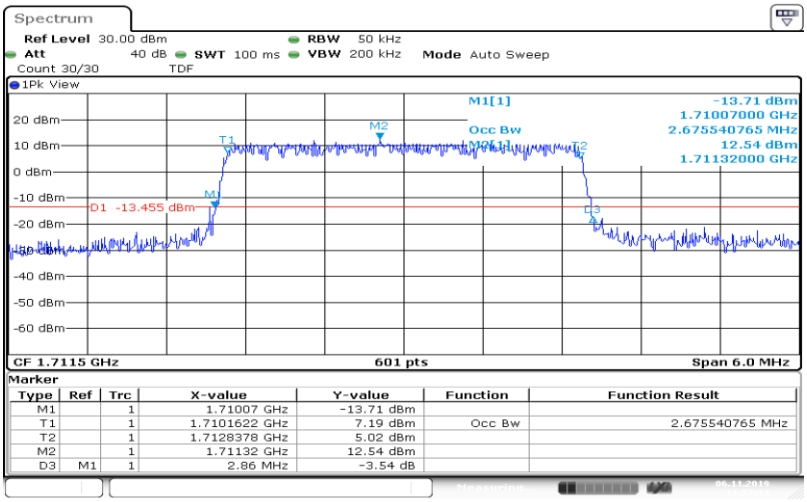
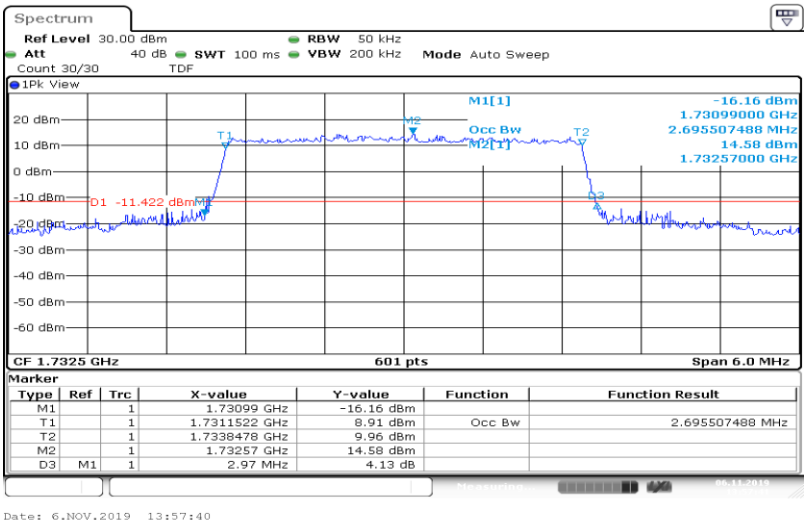


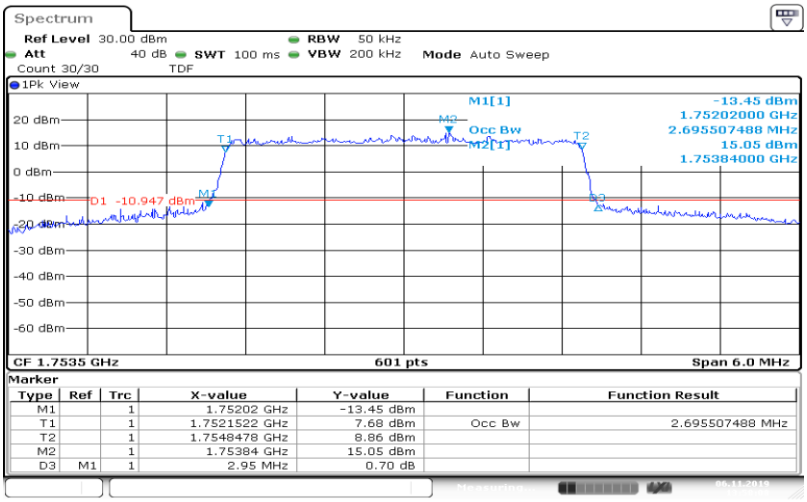
Band4-3MHz-QPSK-19965-15RB#0-2.676



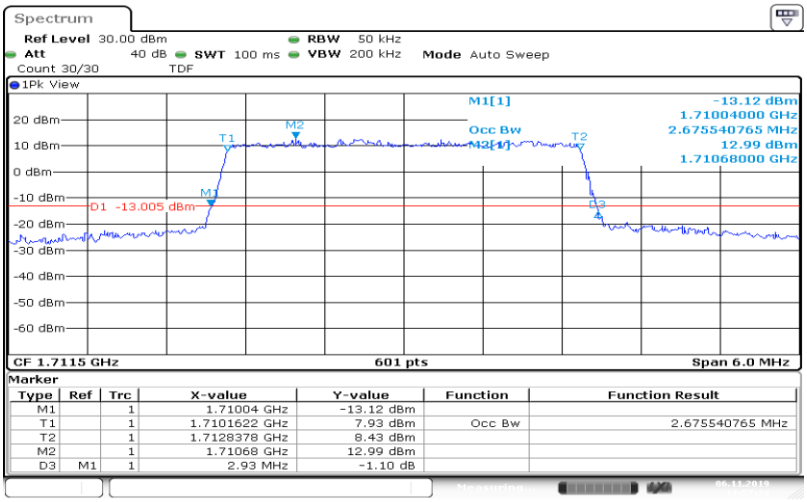
Band4-3MHz-QPSK-20175-15RB#0-2.696



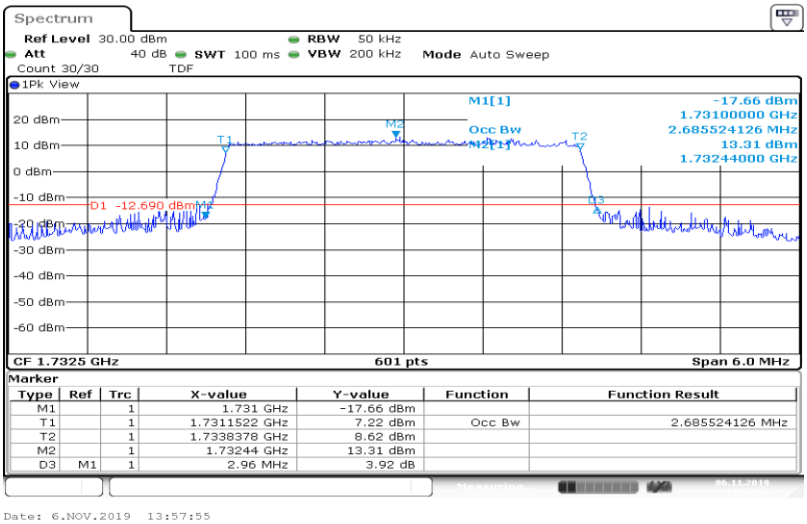
Band4-3MHz-QPSK-20385-15RB#0-2.696



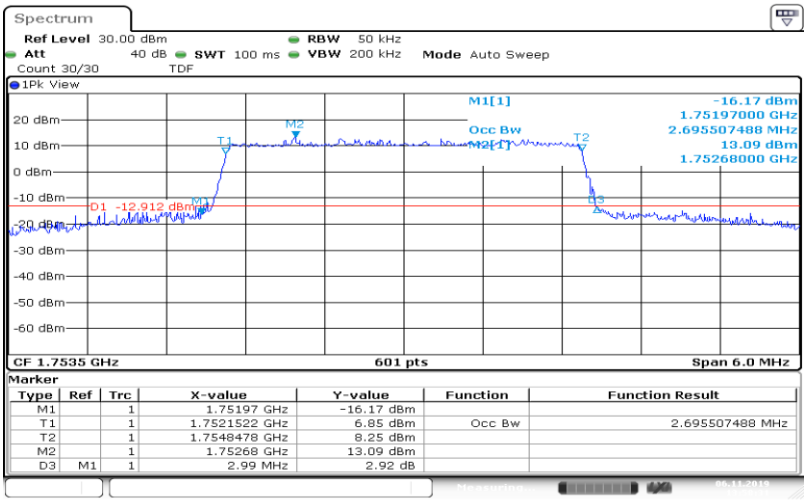
Band4-3MHz-16QAM-19965-15RB#0-2.676



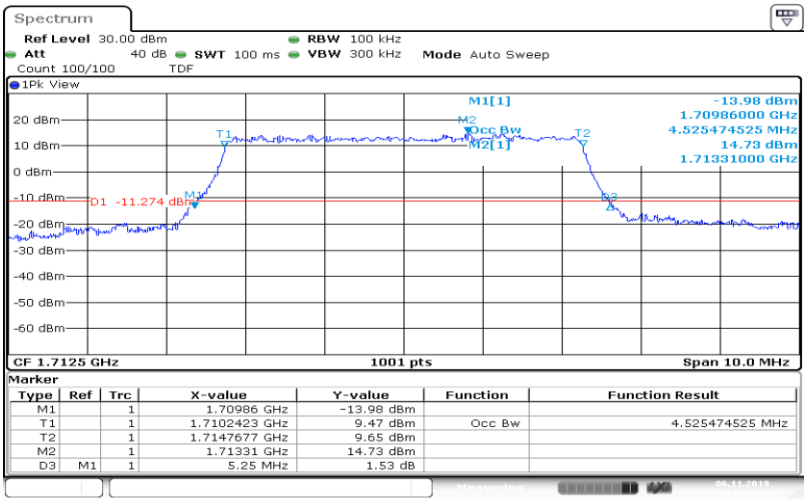
Band4-3MHz-16QAM-20175-15RB#0-2.686



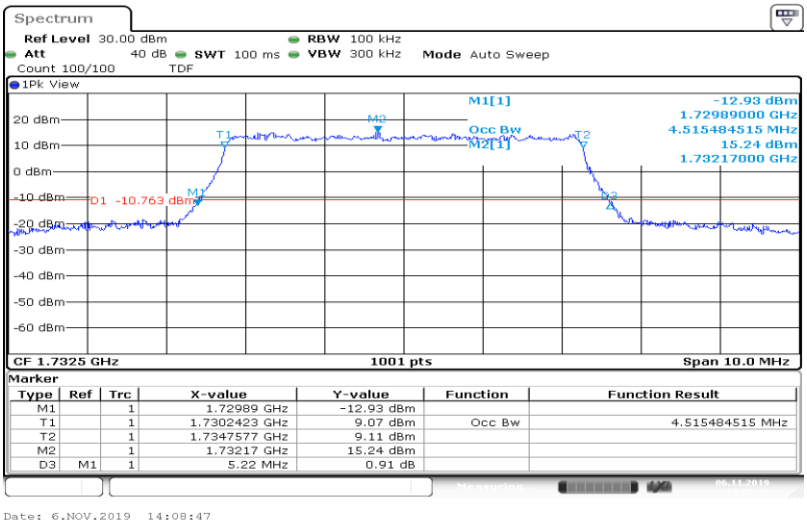
Band4-3MHz-16QAM-20385-15RB#0-2.696



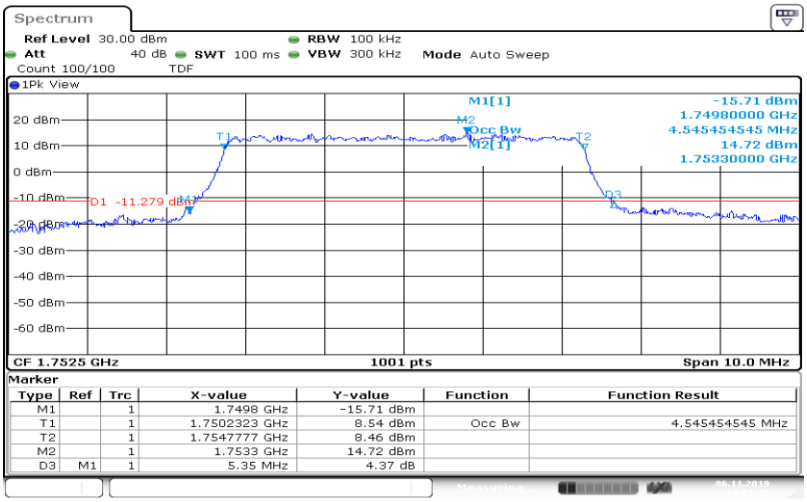
Band4-5MHz-QPSK-19975-25RB#0-4.525



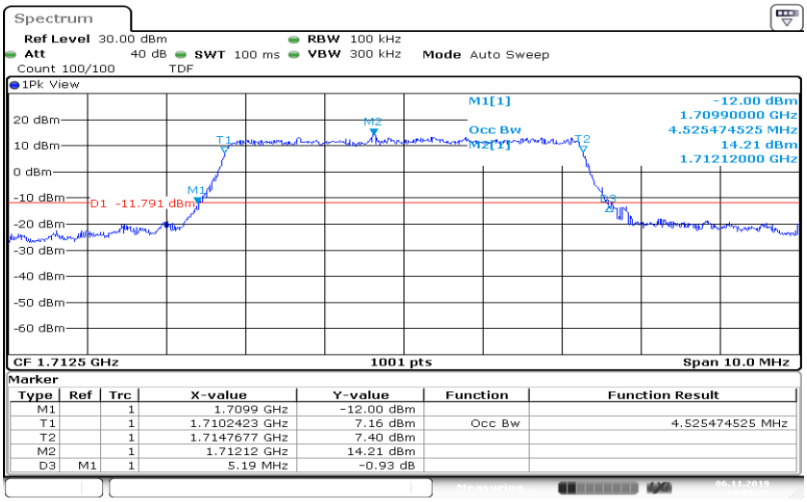
Band4-5MHz-QPSK-20175-25RB#0-4.515



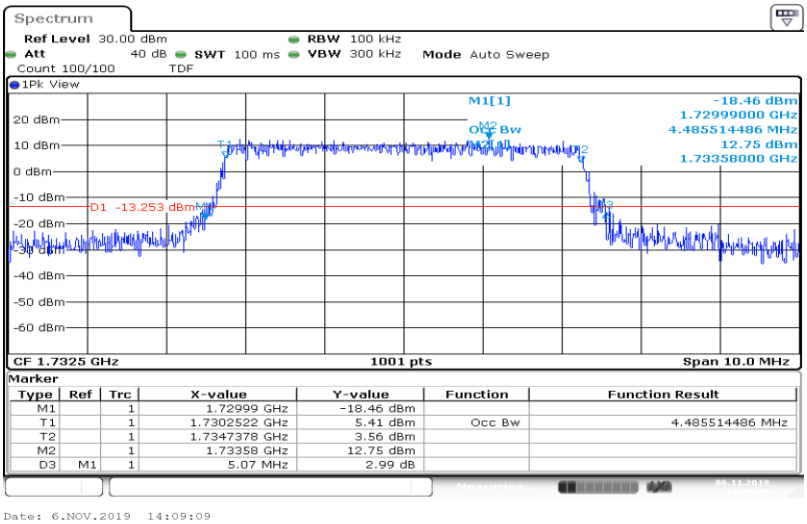
Band4-5MHz-QPSK-20375-25RB#0-4.545



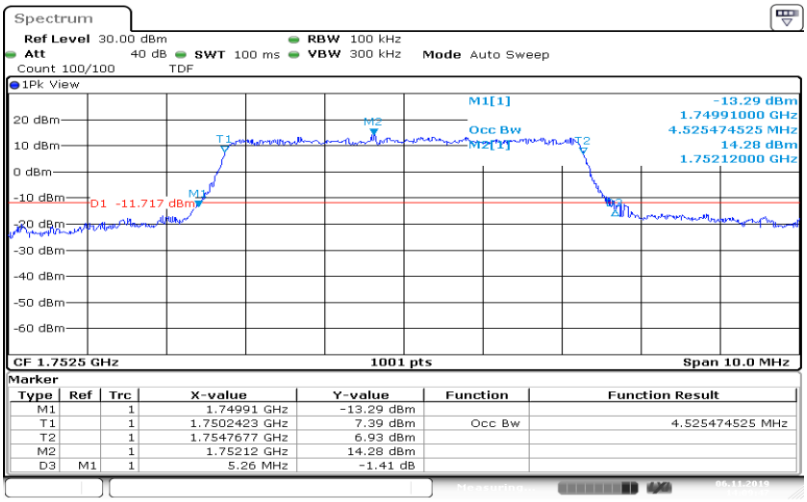
Band4-5MHz-16QAM-19975-25RB#0-4.525



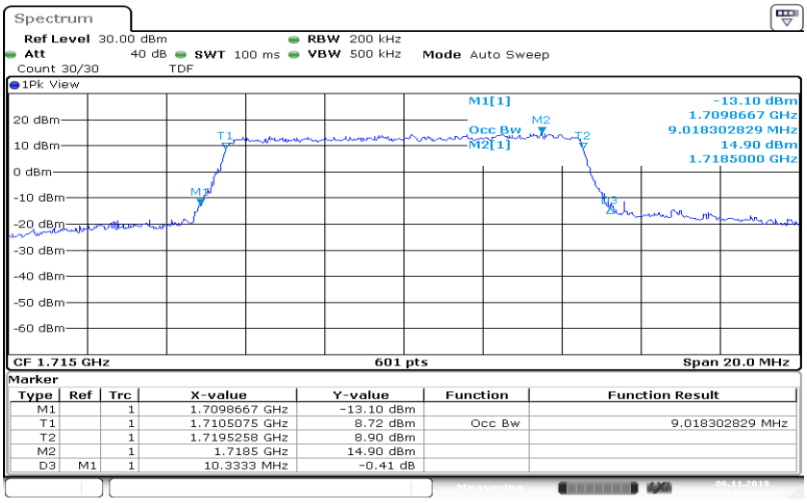
Band4-5MHz-16QAM-20175-25RB#0-4.486



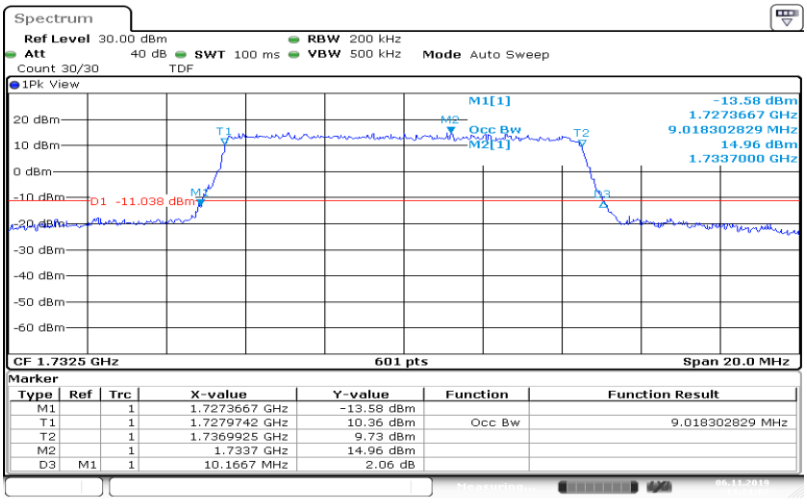
Band4-5MHz-16QAM-20375-25RB#0-4.525



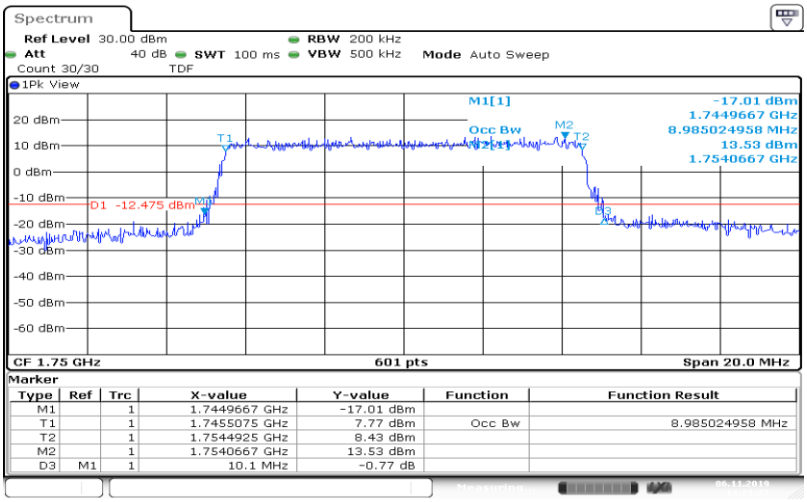
Band4-10MHz-QPSK-20000-50RB#0-9.018



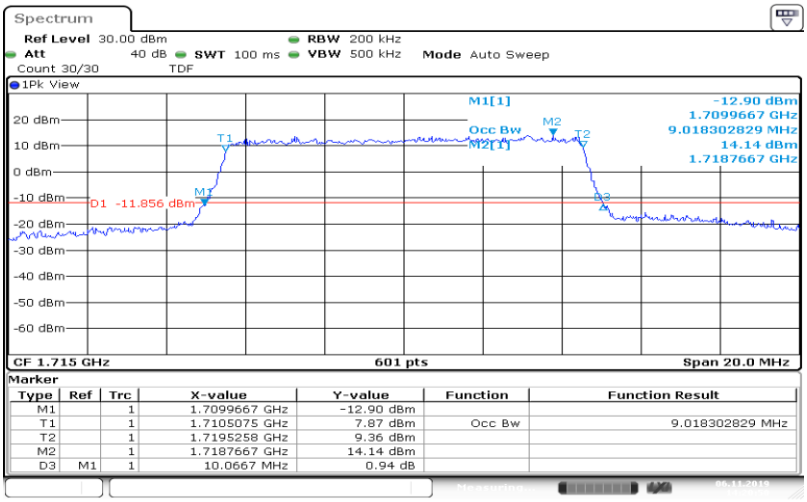
Band4-10MHz-QPSK-20175-50RB#0-9.018



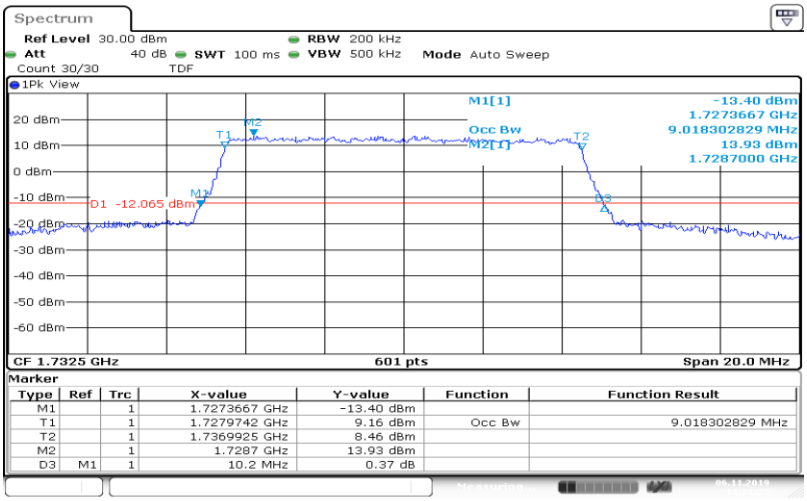
Band4-10MHz-QPSK-20350-50RB#0-8.985



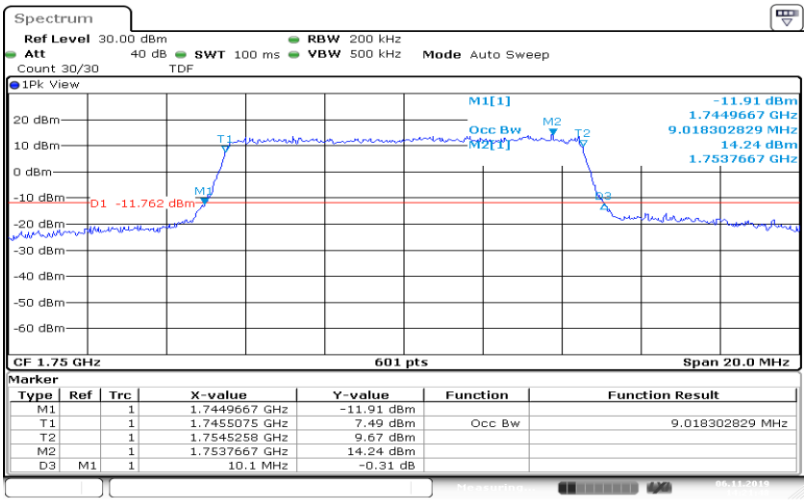
Band4-10MHz-16QAM-20000-50RB#0-9.018



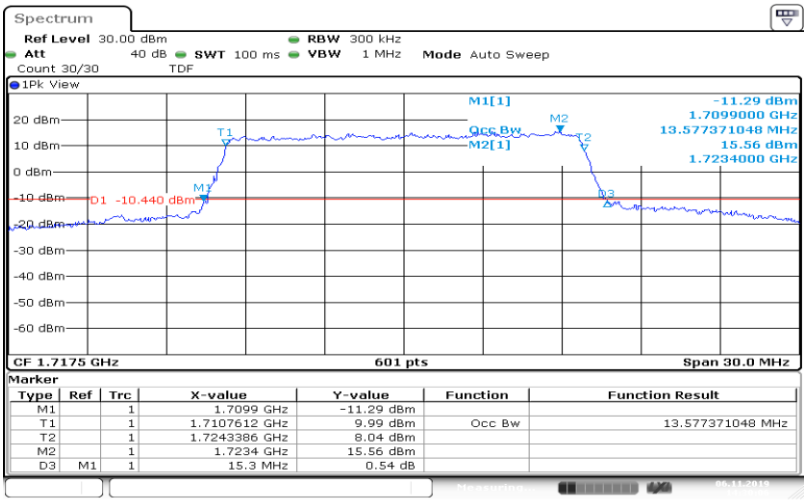
Band4-10MHz-16QAM-20175-50RB#0-9.018



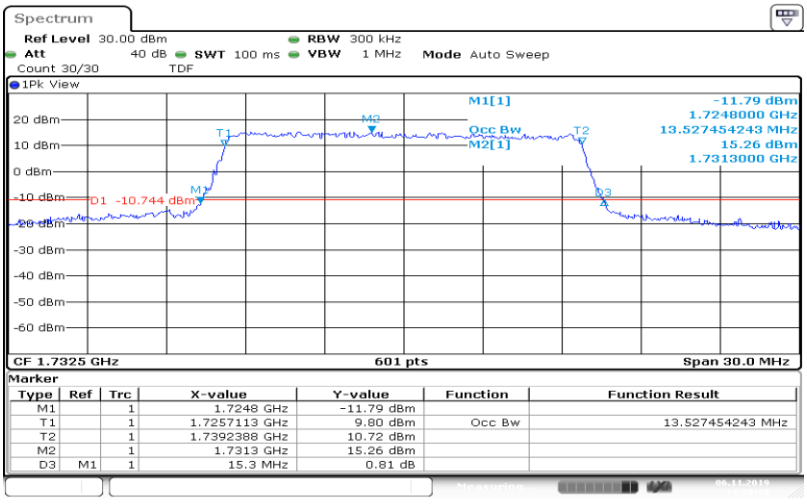
Band4-10MHz-16QAM-20350-50RB#0-9.018



Band4-15MHz-QPSK-20025-75RB#0-13.577



Band4-15MHz-QPSK-20175-75RB#0-13.527



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