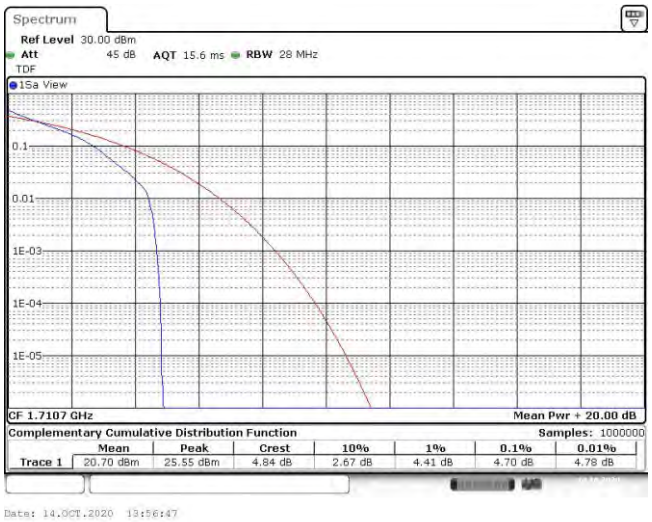
Appendix A: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	4.70	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	5.22	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	4.81	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.33	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	4.81	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.33	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	5.54	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.06	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.71	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.17	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	5.71	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.09	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.30	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.39	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.39	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.12	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.20	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.17	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.36	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.36	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.39	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.14	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.12	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.17	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.36	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.25	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.33	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.20	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.09	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.14	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.51	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.30	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.42	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.26	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.06	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.17	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.30	13	PASS

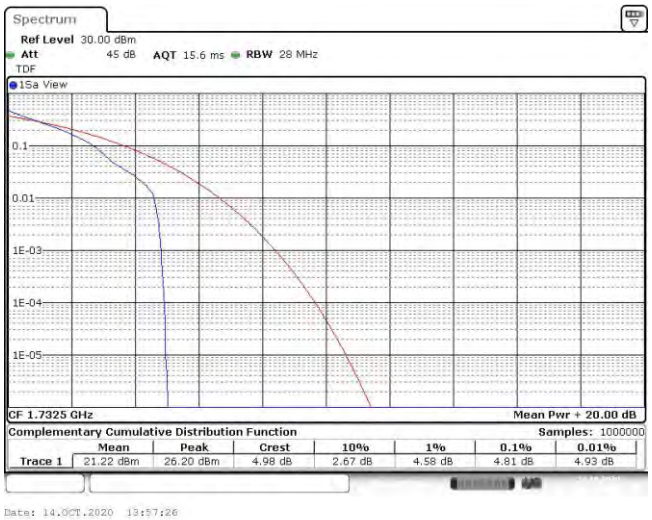
Band4	20MHz	QPSK	20175	100RB#0	5.04	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.16	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.20	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.97	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.06	13	PASS

Test Graphs

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


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

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



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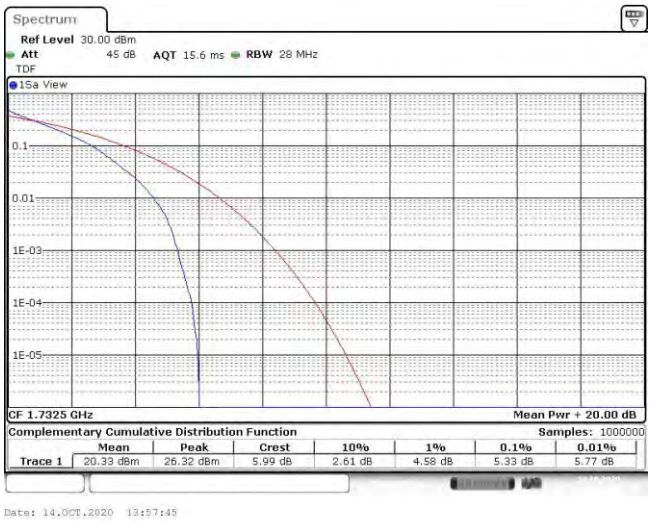
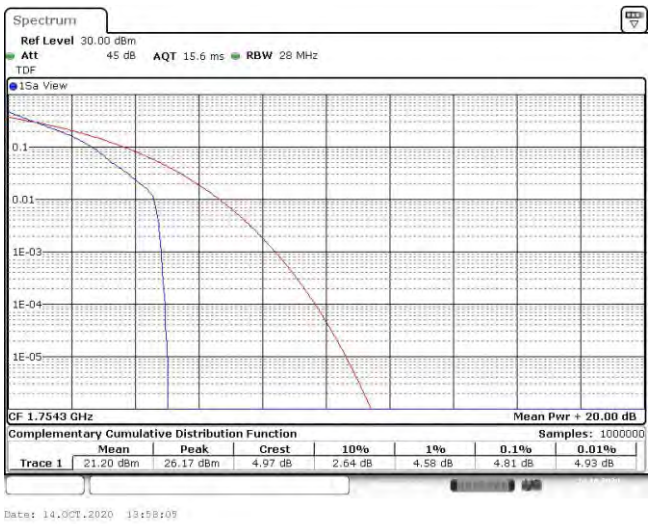


Band4-1.4MHz-QPSK-20393-1RB#0



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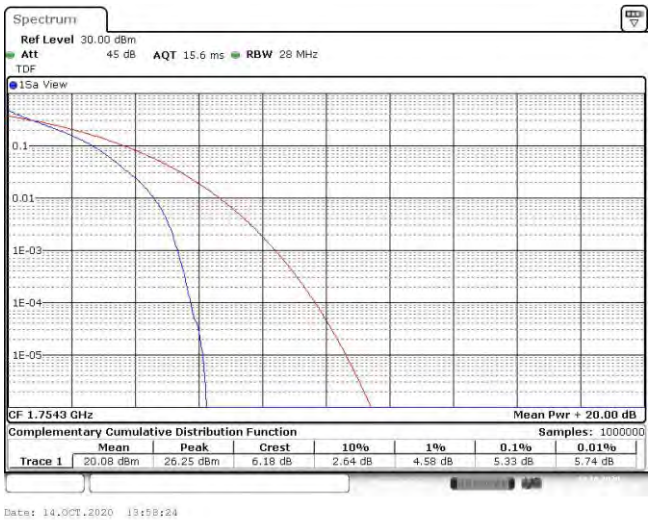
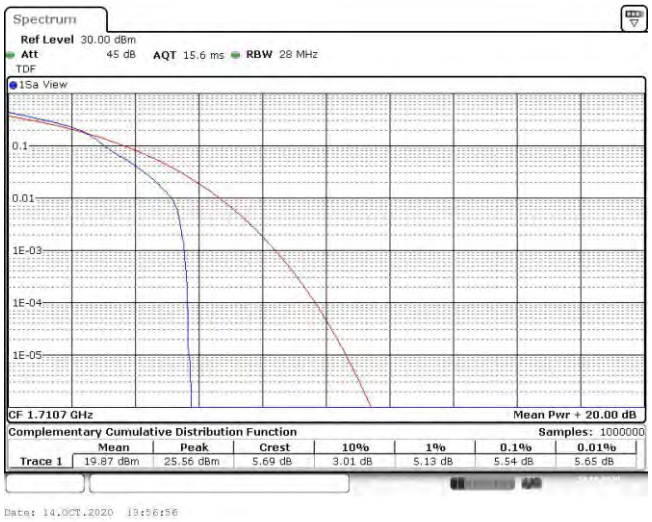


Band4-1.4MHz-16QAM-19957-1RB#0



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

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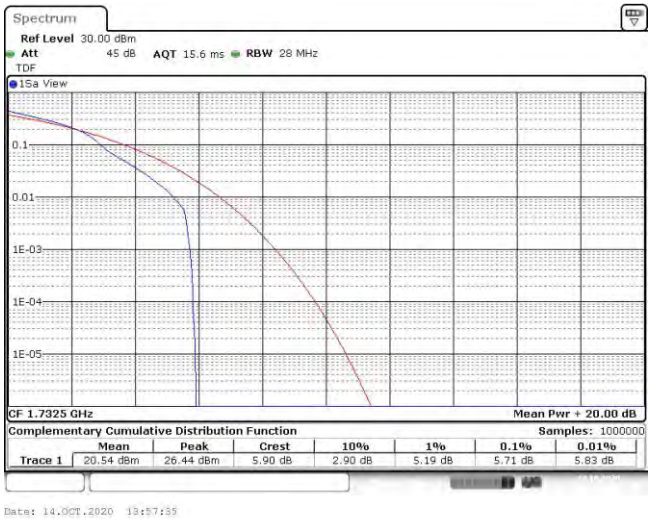

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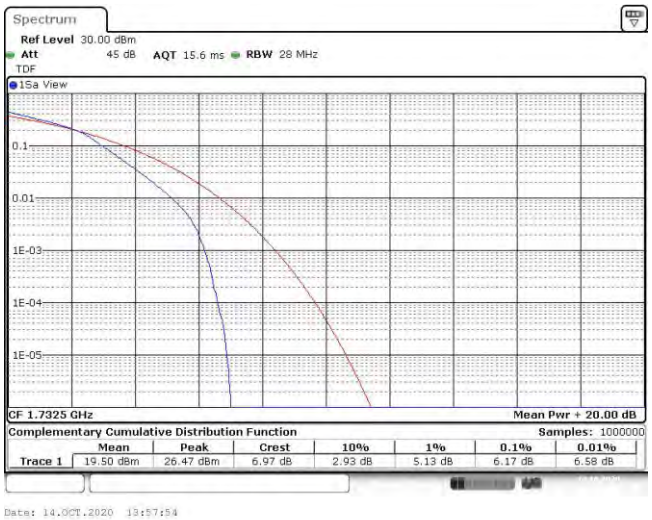

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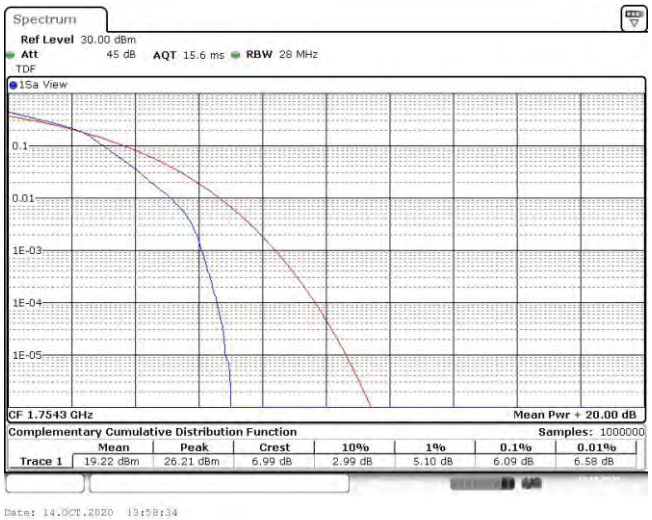
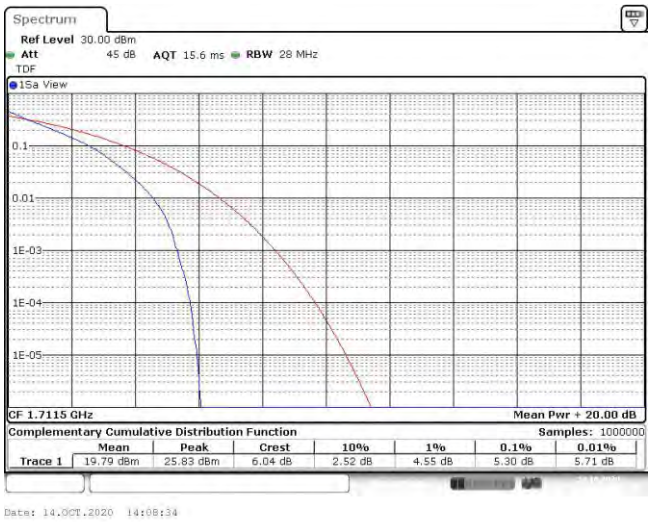
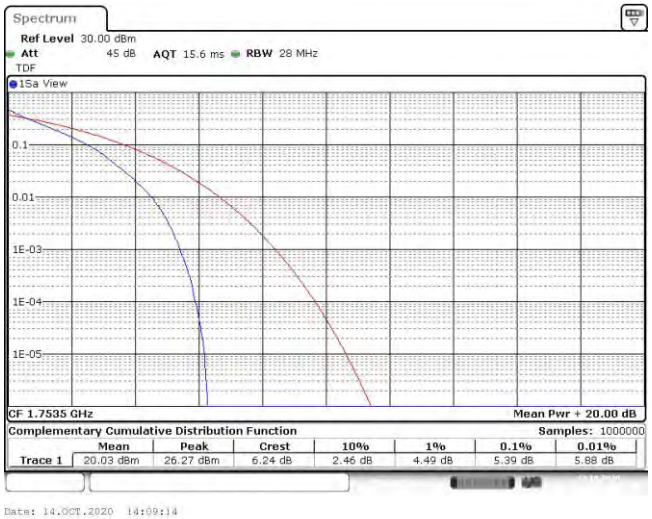


Band4-3MHz-QPSK-19965-15RB#0



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

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



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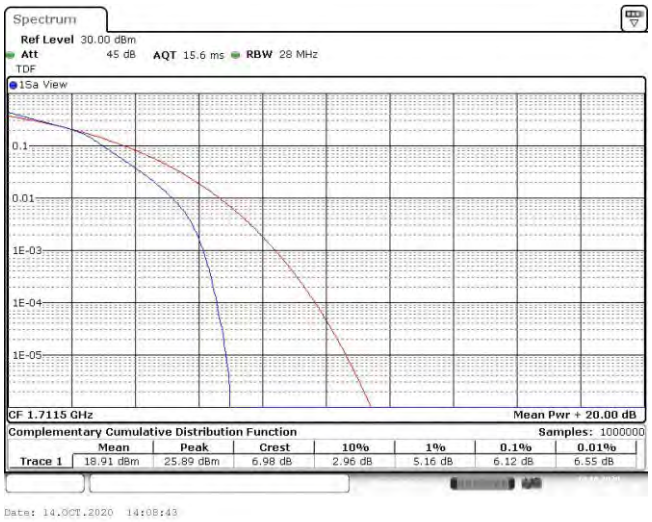

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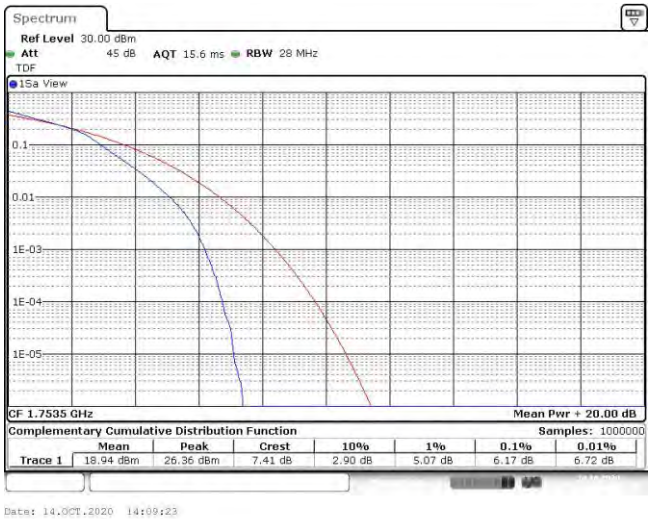
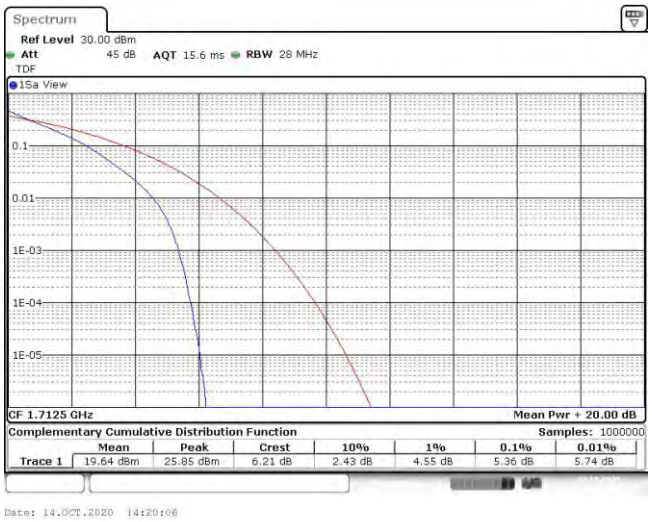
Band4-3MHz-16QAM-20385-15RB#0

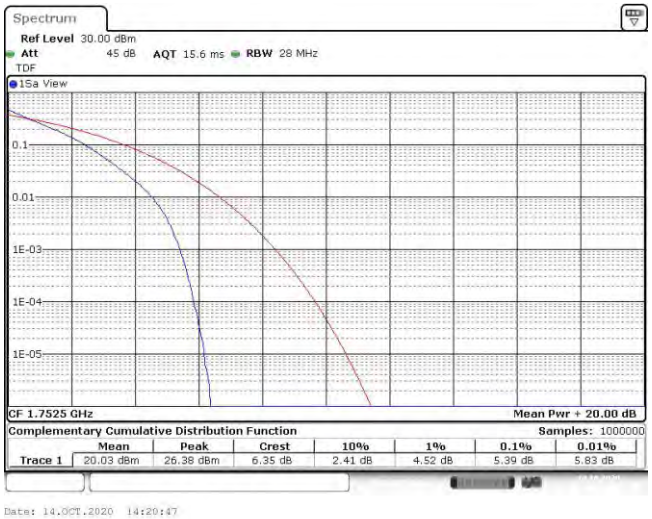


Band4-5MHz-QPSK-19975-25RB#0

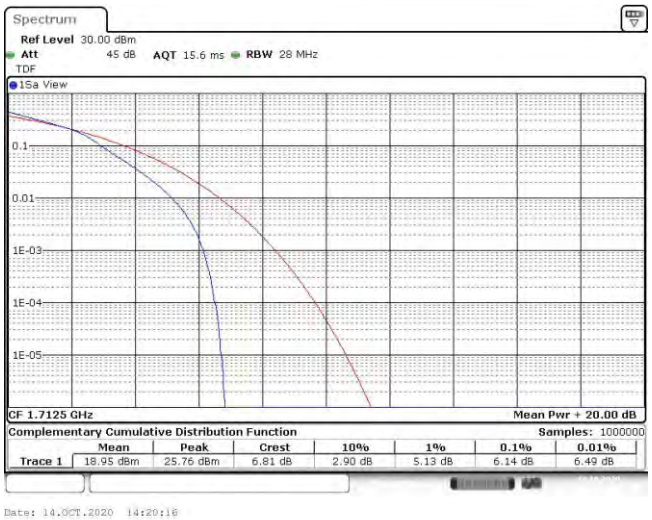


Band4-5MHz-QPSK-20175-25RB#0

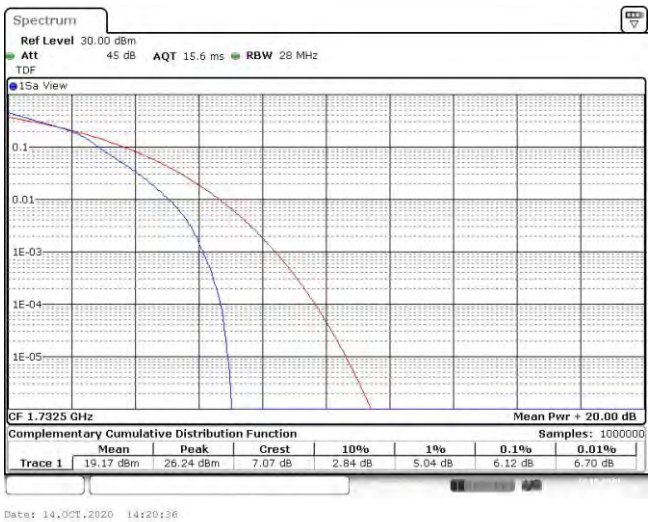
Band4-5MHz-QPSK-20375-25RB#0



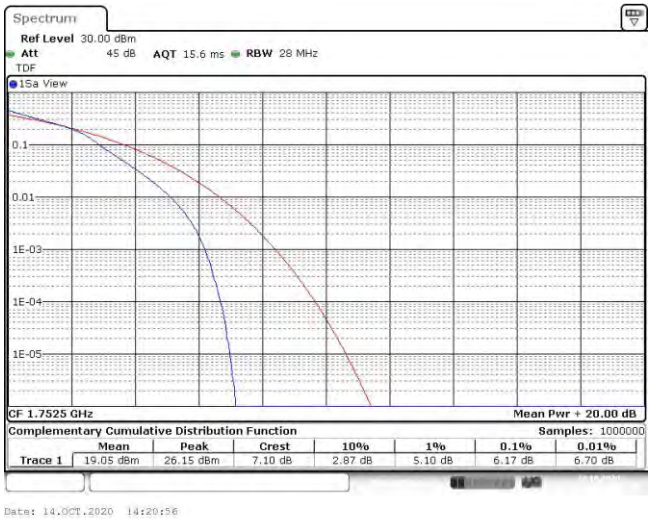
Band4-5MHz-16QAM-19975-25RB#0



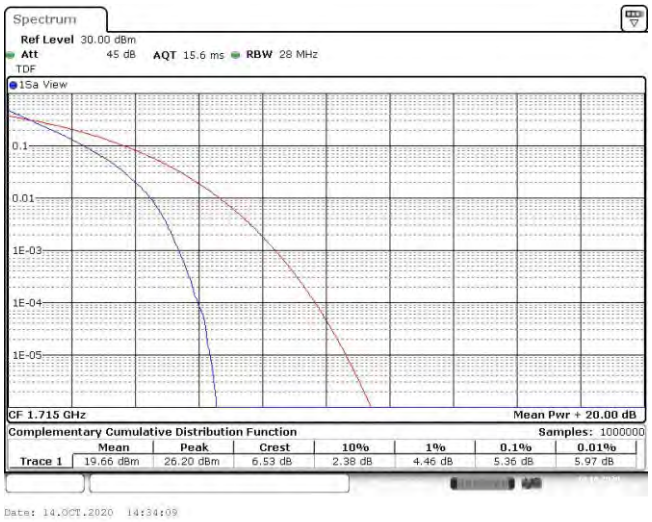
Band4-5MHz-16QAM-20175-25RB#0



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

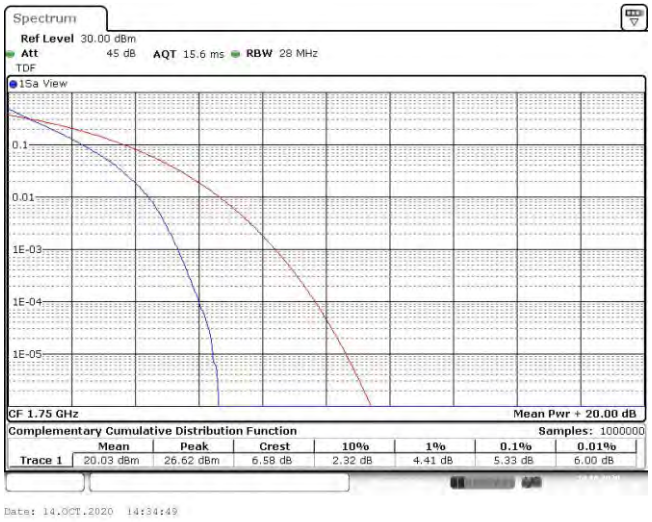


Band4-10MHz-QPSK-20000-50RB#0

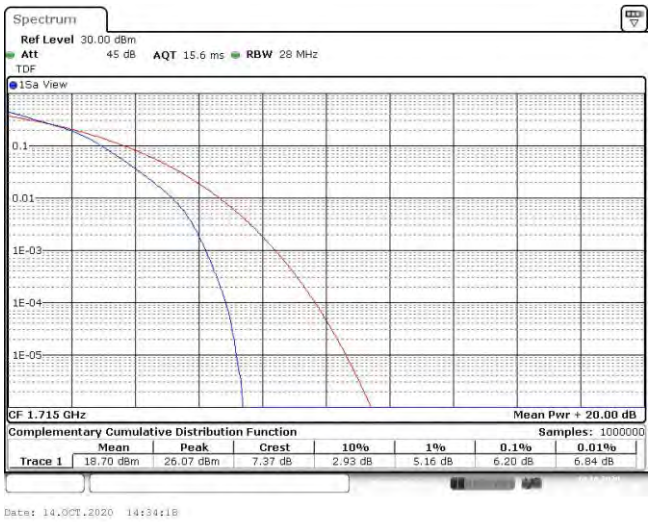


Band4-10MHz-QPSK-20175-50RB#0

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

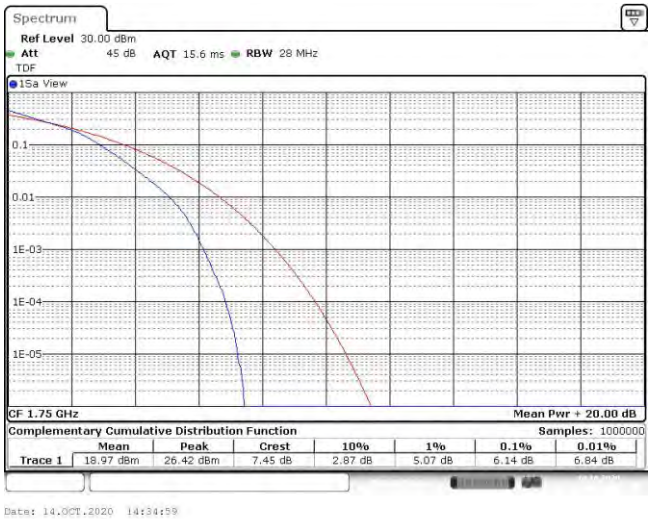


Band4-10MHz-16QAM-20000-50RB#0

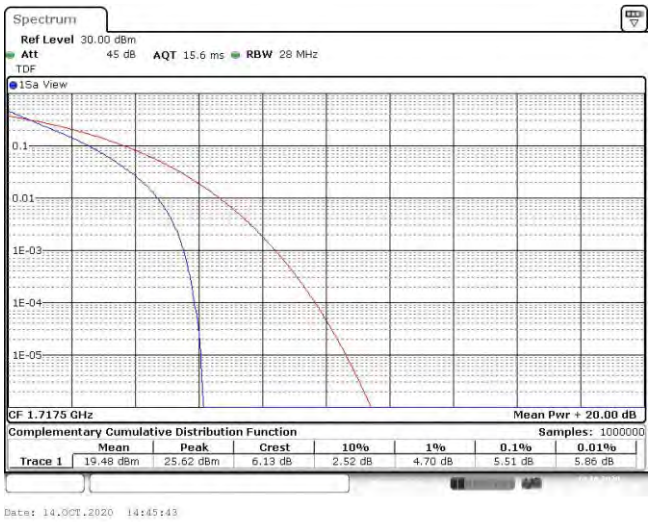


Band4-10MHz-16QAM-20175-50RB#0

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

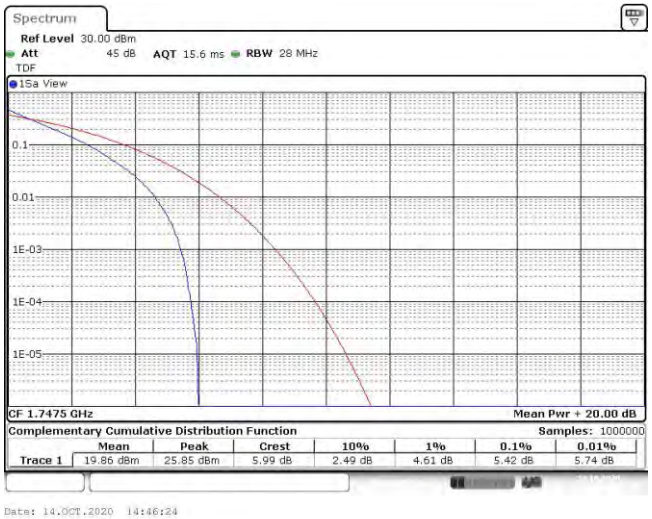


Band4-15MHz-QPSK-20025-75RB#0

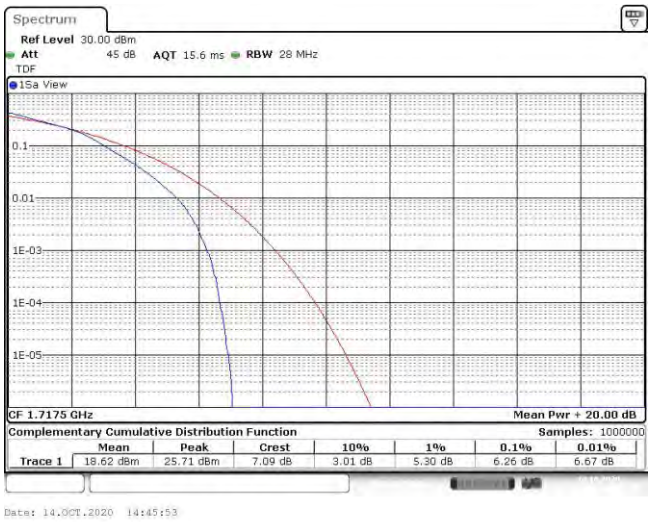


Band4-15MHz-QPSK-20175-75RB#0

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



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



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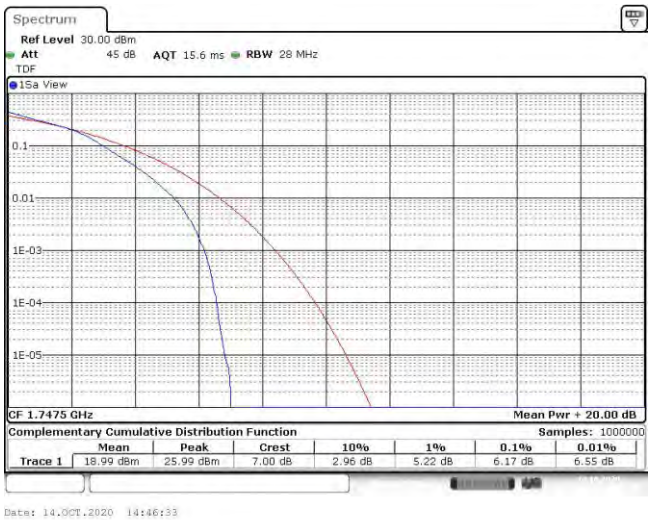

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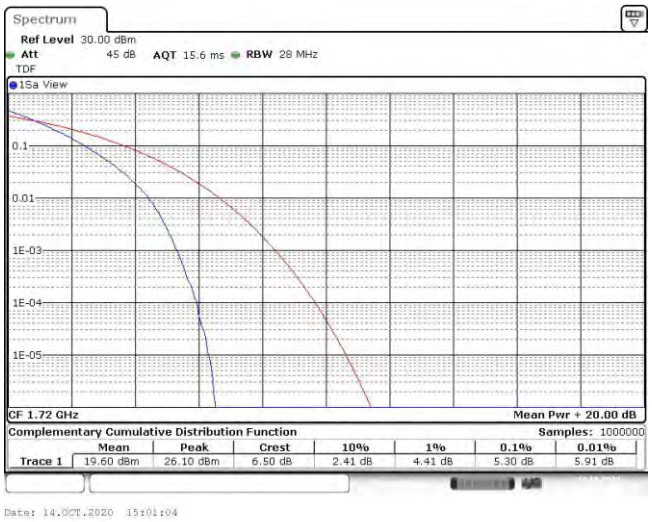

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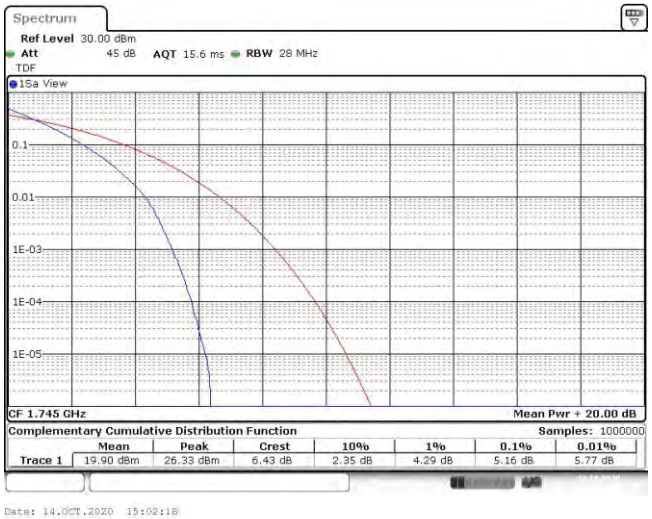
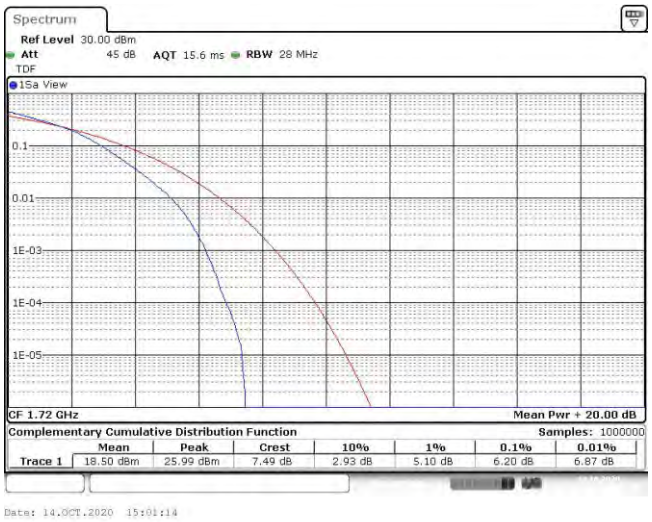
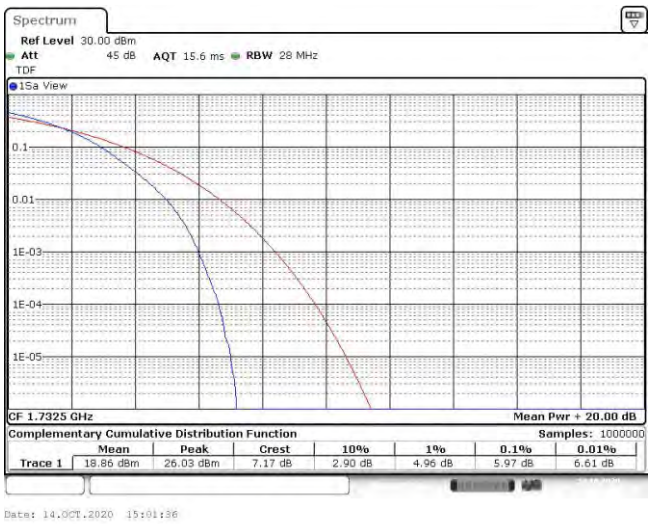
Band4-20MHz-QPSK-20300-100RB#0



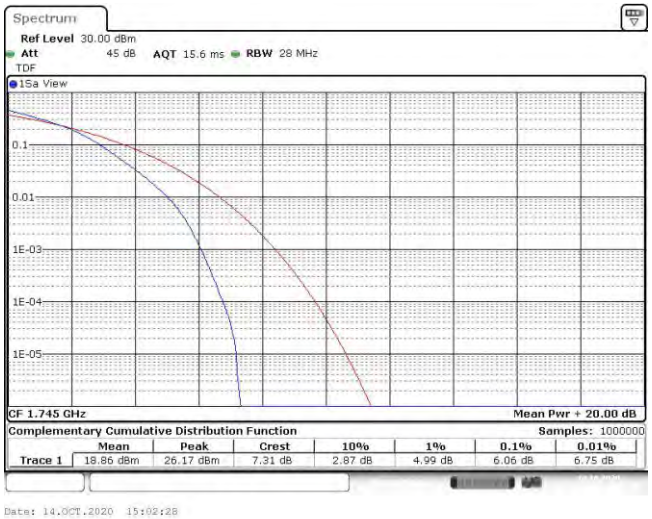
Band4-20MHz-16QAM-20050-100RB#0



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



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


Spectrum
Ref Level 30.00 dBm
Att 45 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 18.86 dBm 26.17 dBm 7.31 dB 2.87 dB 4.99 dB 6.06 dB 6.75 dB
Date: 14.OCT.2020 15:02:28

Appendix B: 26dB Bandwidth and Occupied Bandwidth

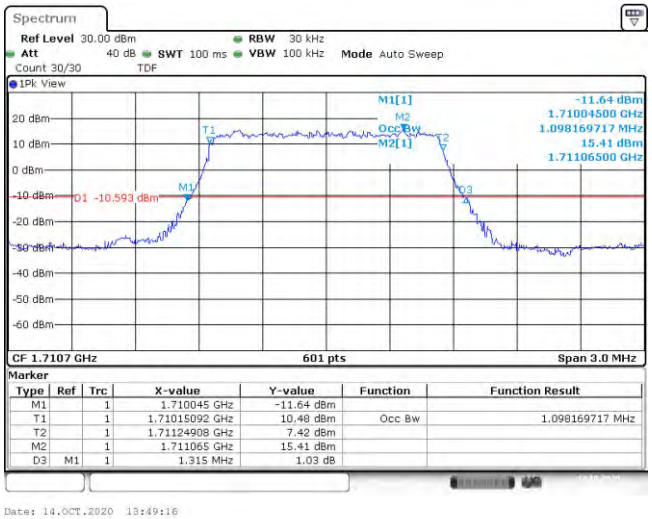
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.098	1.315	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.098	1.295	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.093	1.300	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.103	1.320	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.098	1.305	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.103	1.315	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.705	2.990	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.696	2.980	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.705	2.980	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.696	2.980	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.696	3.010	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.696	3.000	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.505	5.050	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.496	5.020	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.515	5.050	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.505	5.010	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.505	5.050	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.505	5.010	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.985	9.967	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.985	9.900	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.985	10.000	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.985	9.933	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.952	9.933	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.985	9.933	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.478	15.000	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.428	14.900	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.478	14.900	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.478	14.850	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.428	14.800	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.478	14.850	PASS
Band4	20MHz	QPSK	20050	100RB#0	18.037	19.800	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.903	19.667	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.97	19.800	PASS

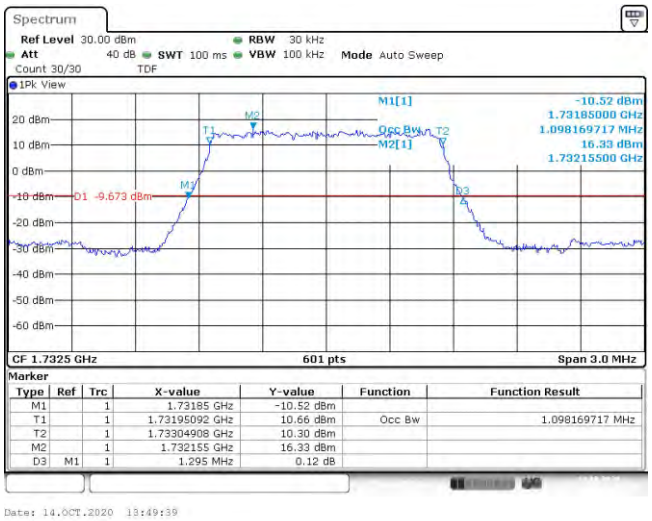
Band4	20MHz	16QAM	20050	100RB#0	18.103	19.867	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.903	19.800	PASS
Band4	20MHz	16QAM	20300	100RB#0	18.037	19.867	PASS

Test Graphs

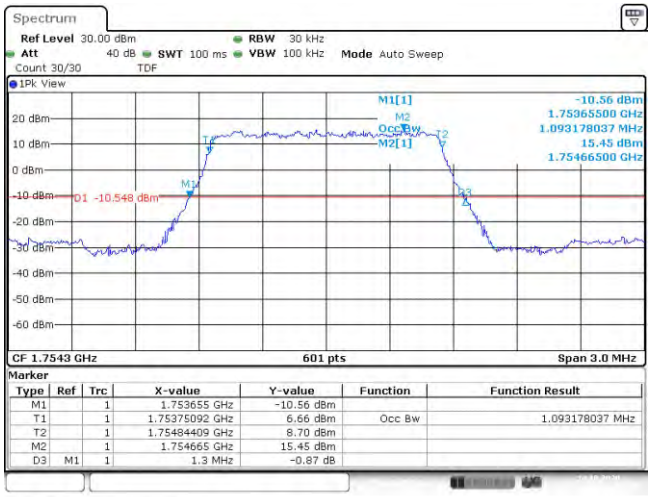
Band4-1.4MHz-QPSK-19957-6RB#0-1.098



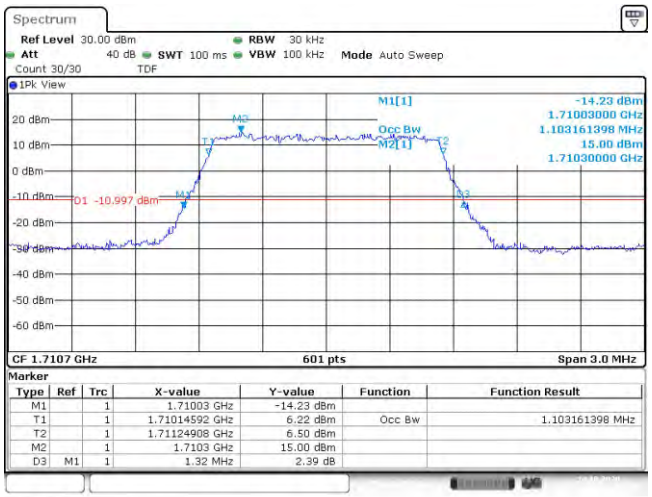
Band4-1.4MHz-QPSK-20175-6RB#0-1.098



Band4-1.4MHz-QPSK-20393-6RB#0-1.093



Band4-1.4MHz-16QAM-19957-6RB#0-1.103



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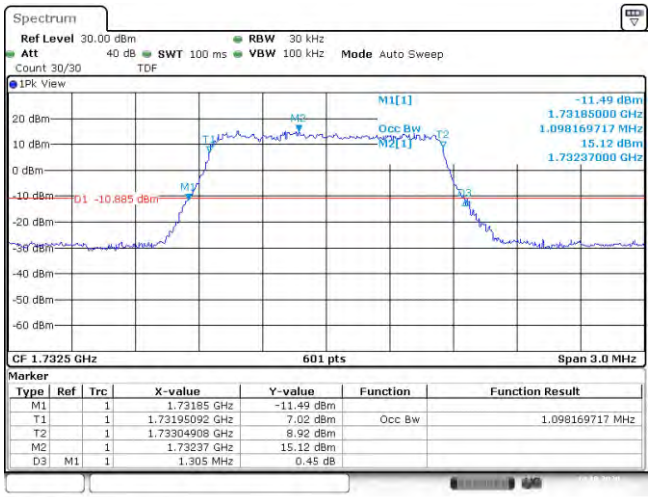

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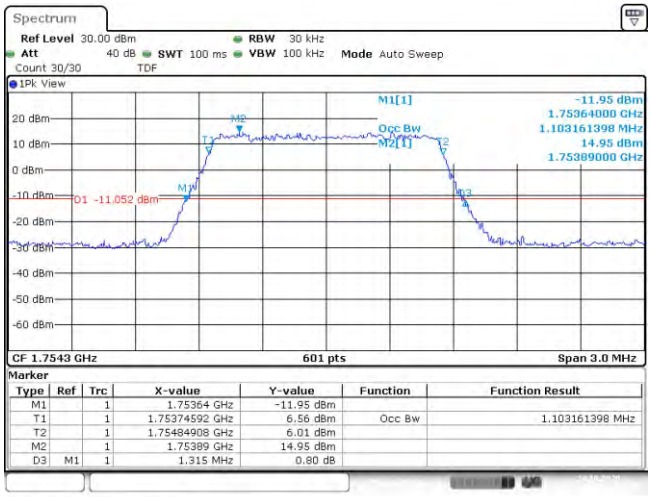

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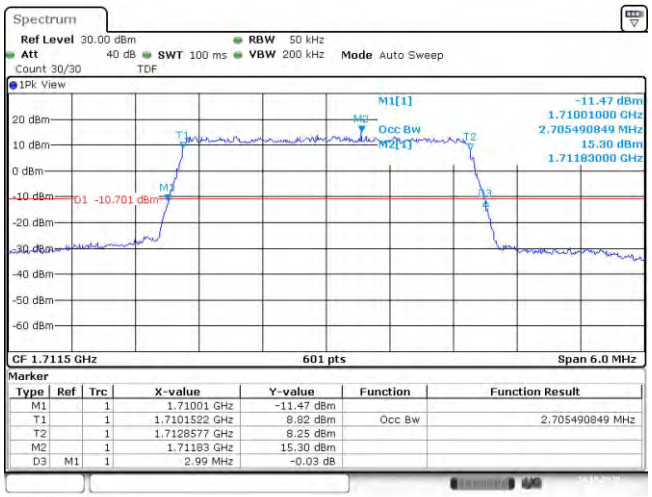

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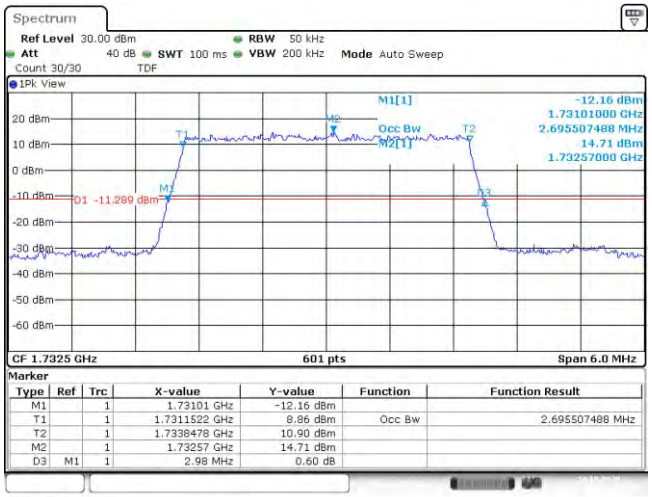

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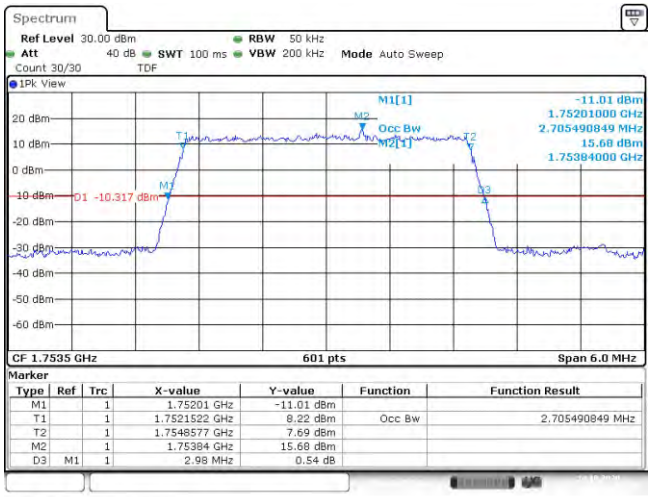

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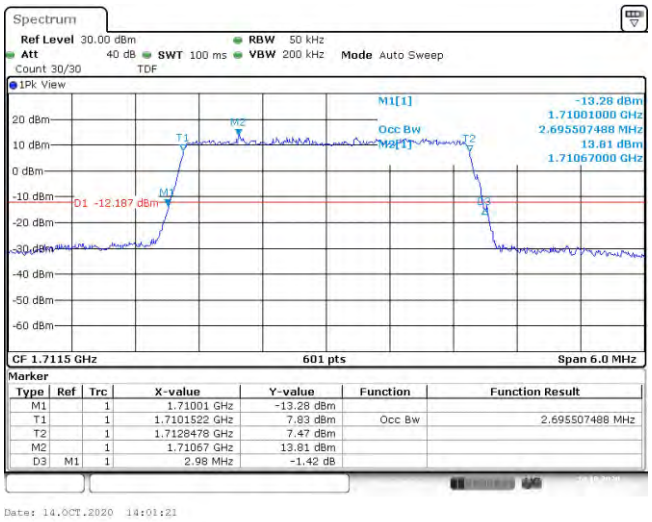

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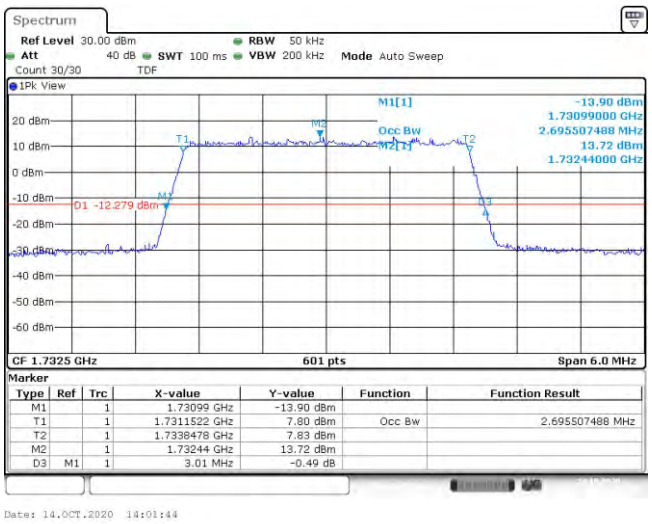

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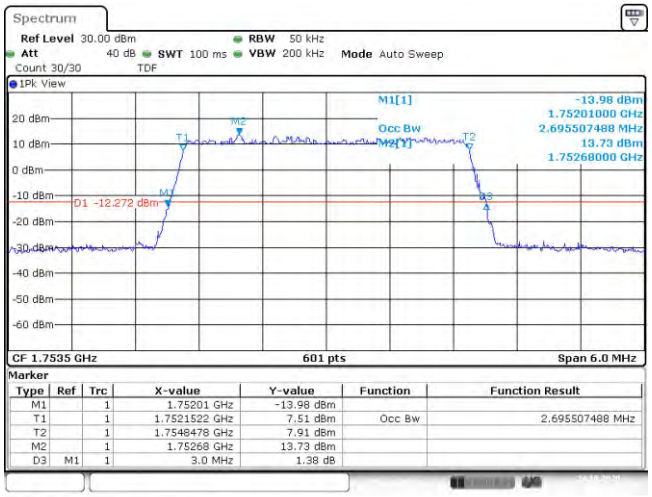

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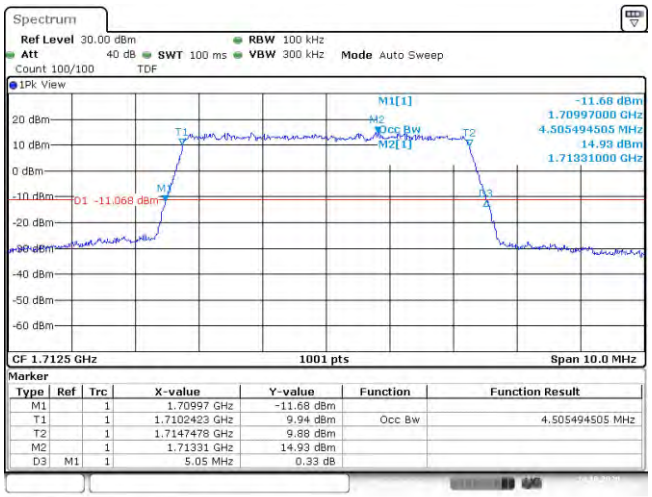

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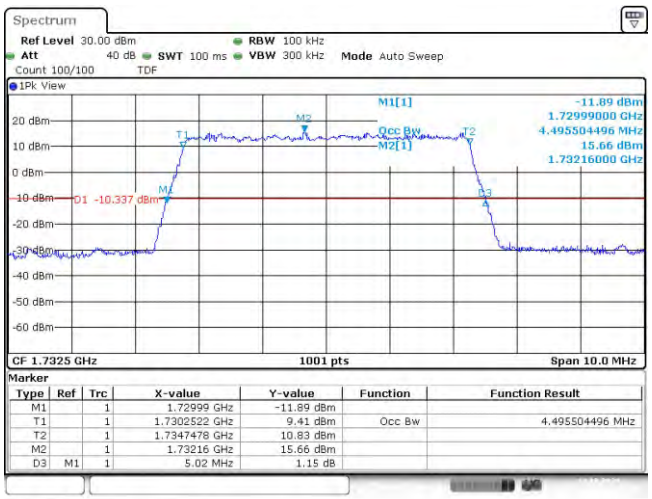

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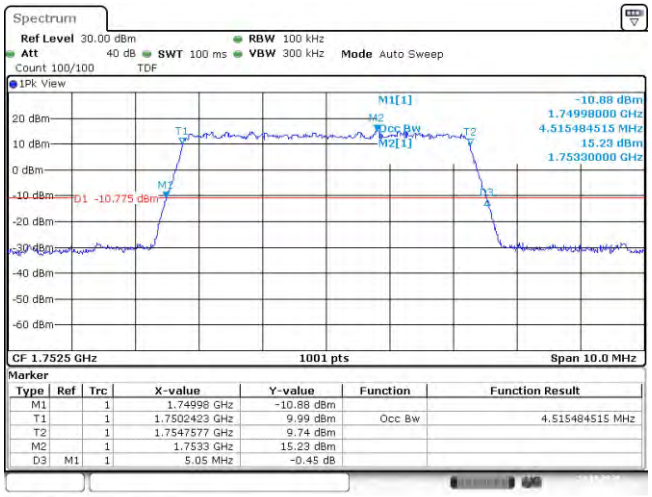

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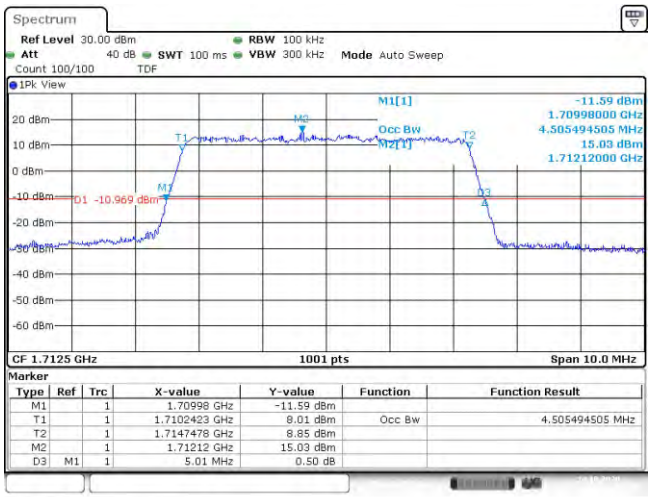

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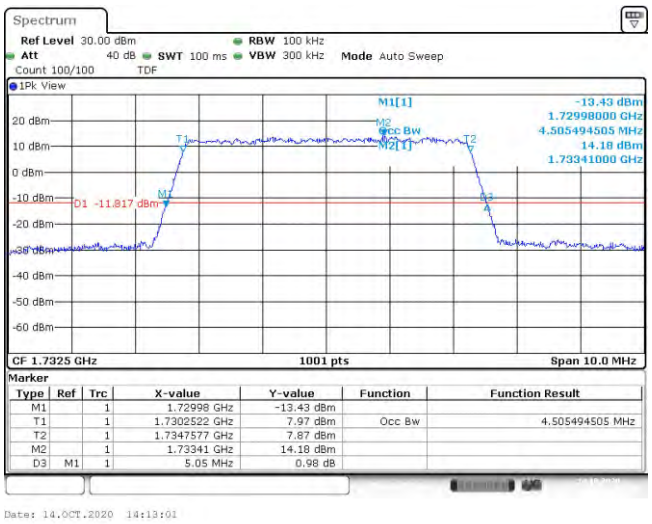

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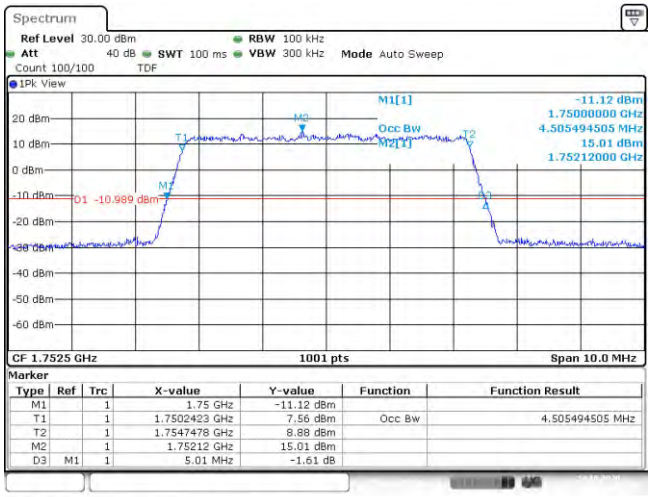
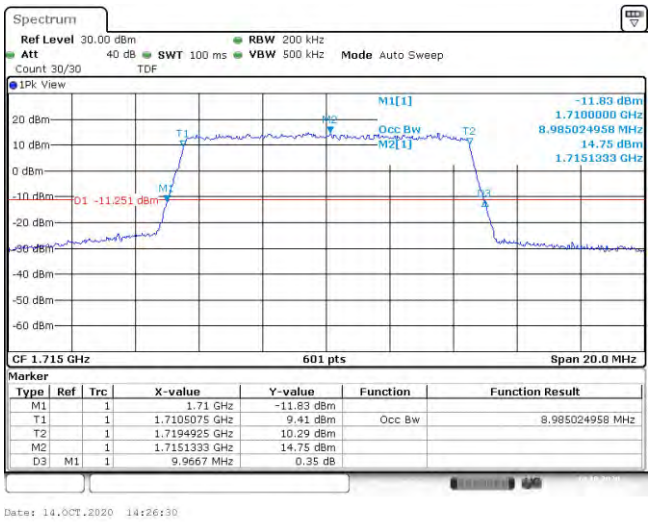


Band4-10MHz-QPSK-20000-50RB#0-8.985



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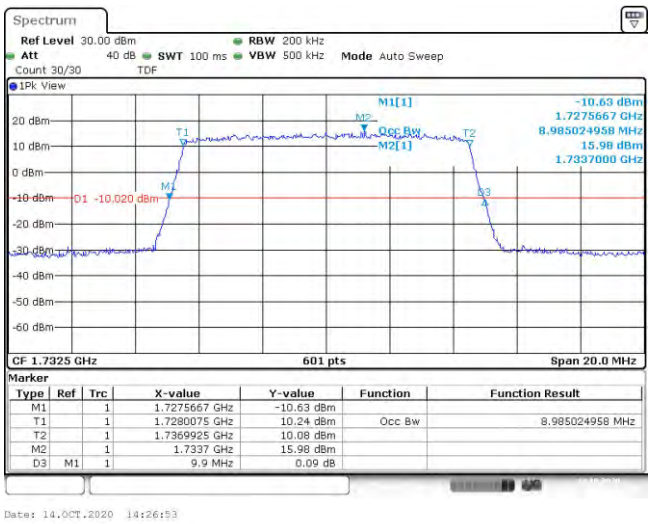

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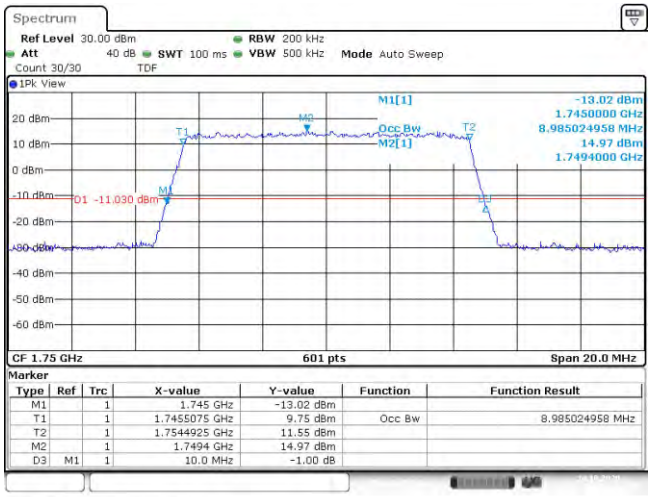

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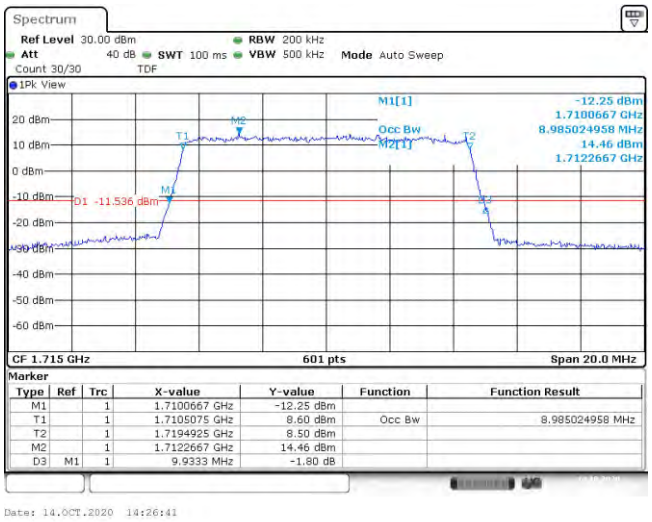

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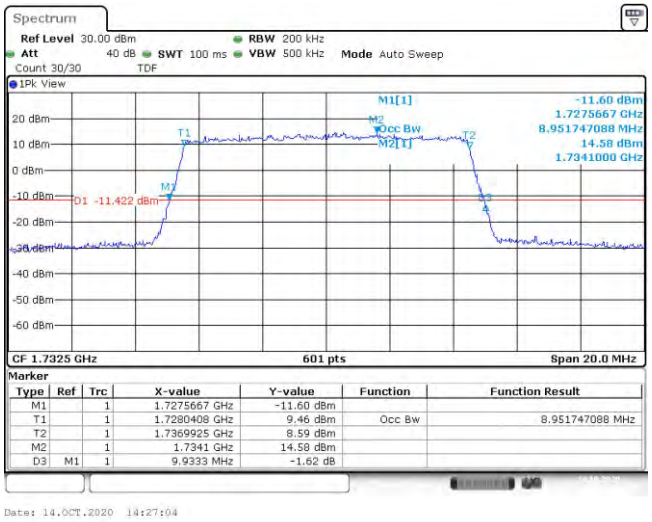

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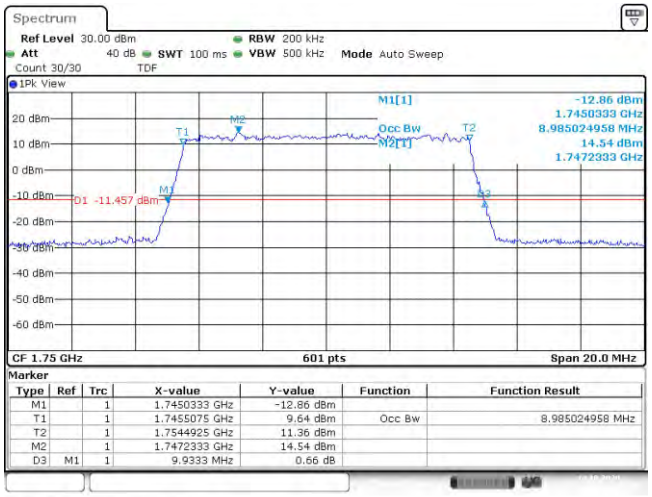

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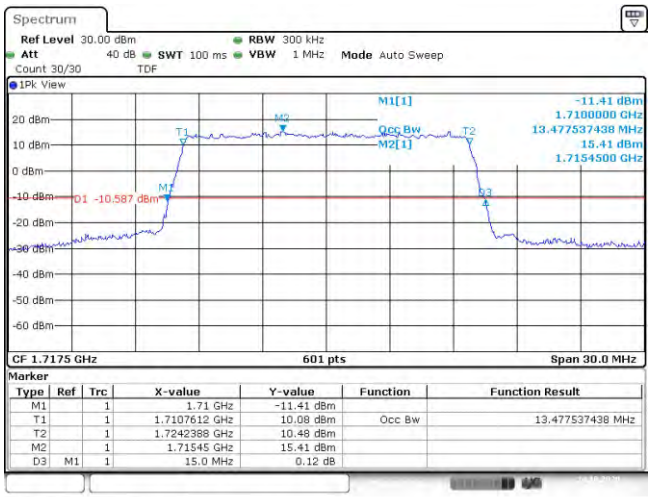

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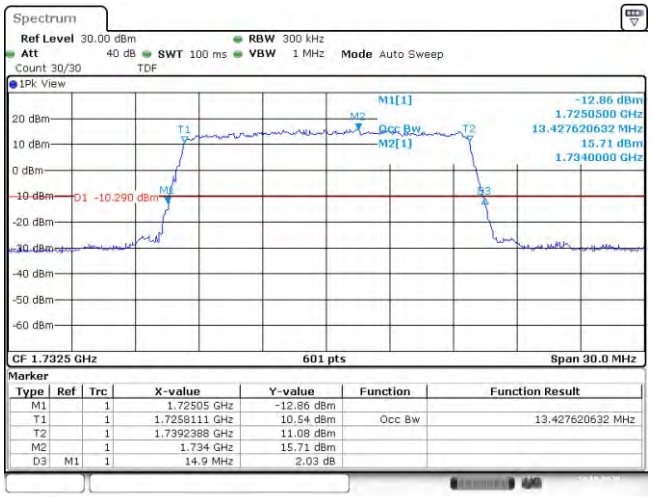

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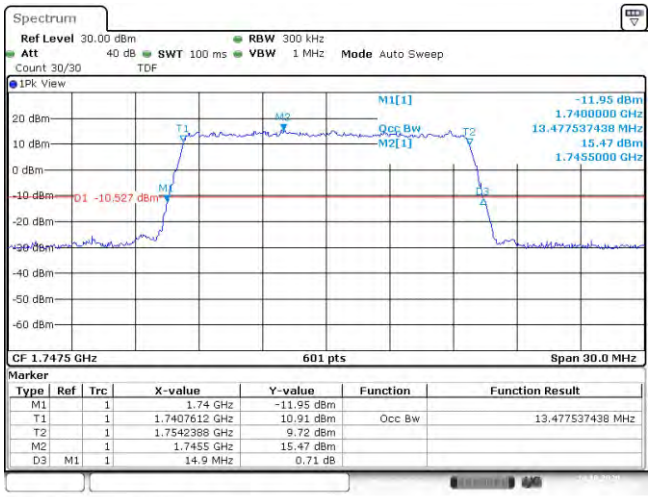

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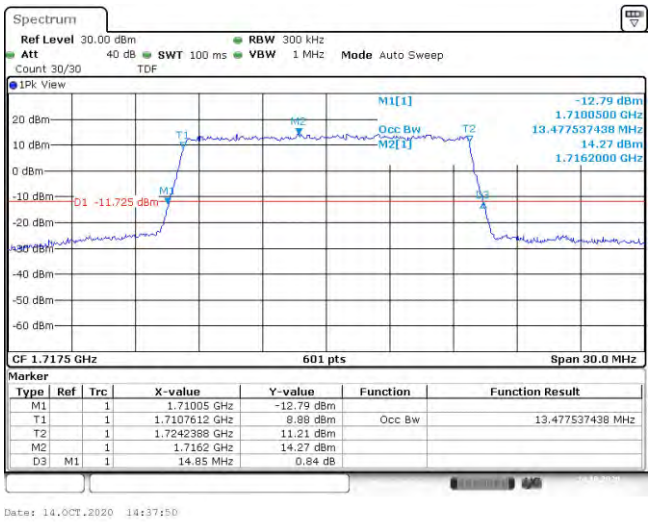

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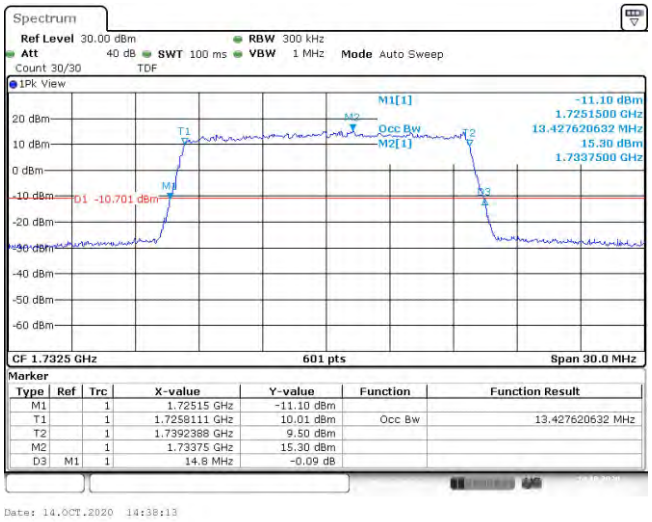

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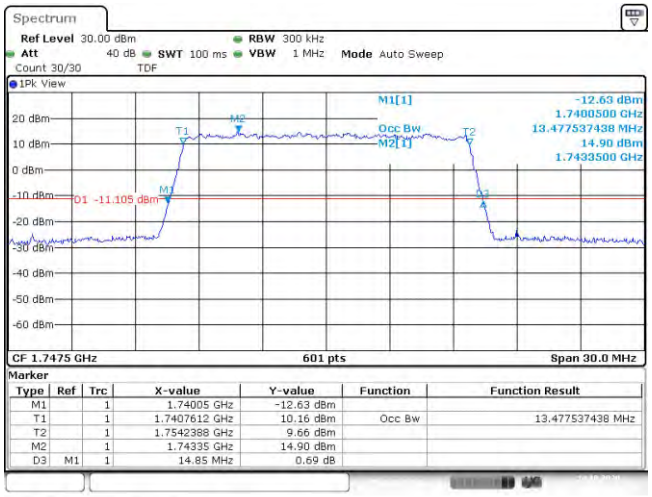
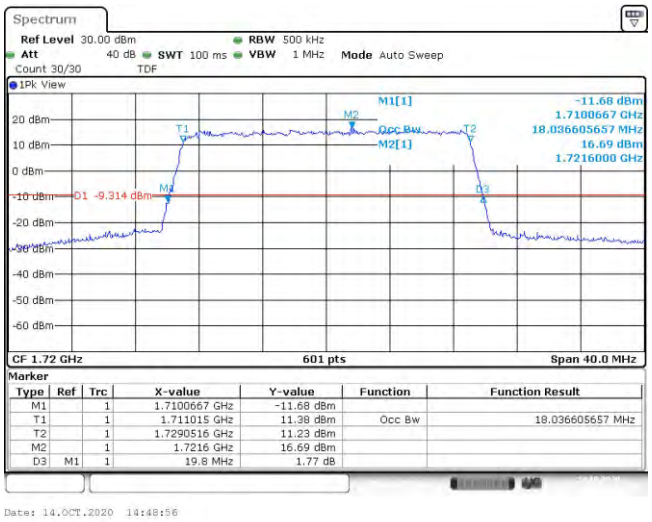


Band4-20MHz-QPSK-20050-100RB#0-18.037



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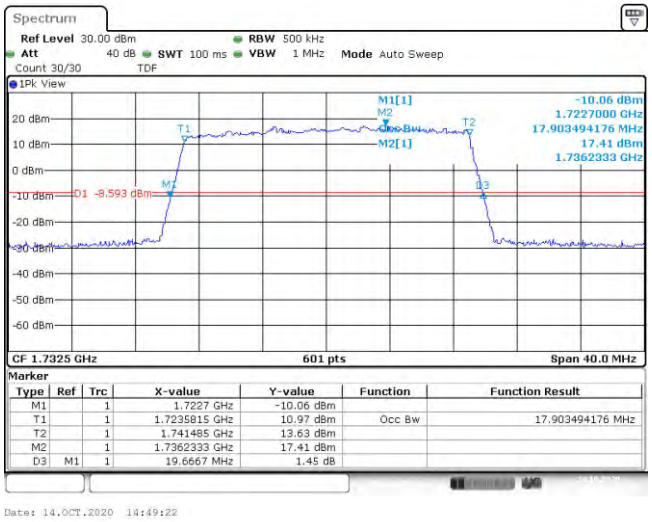

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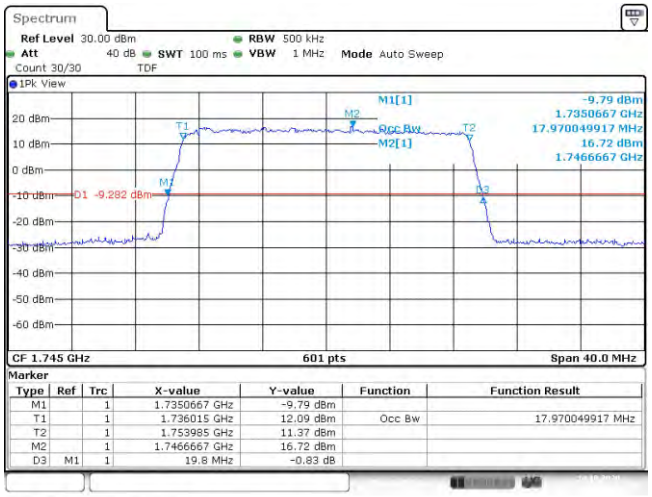

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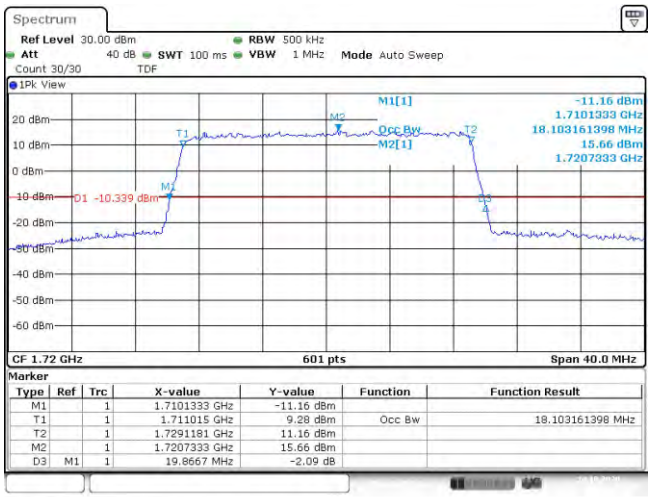

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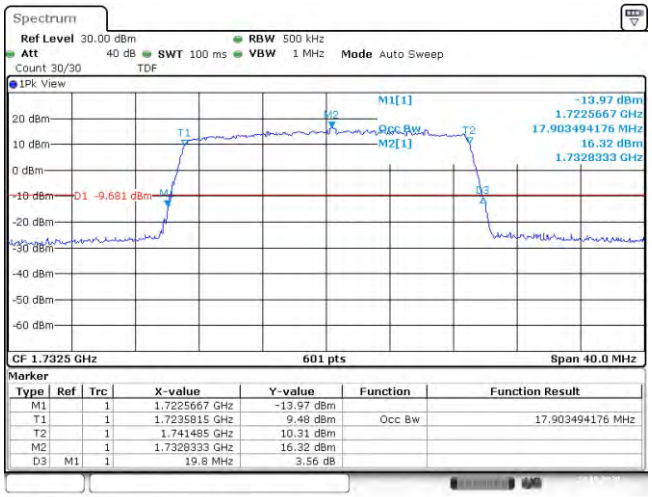

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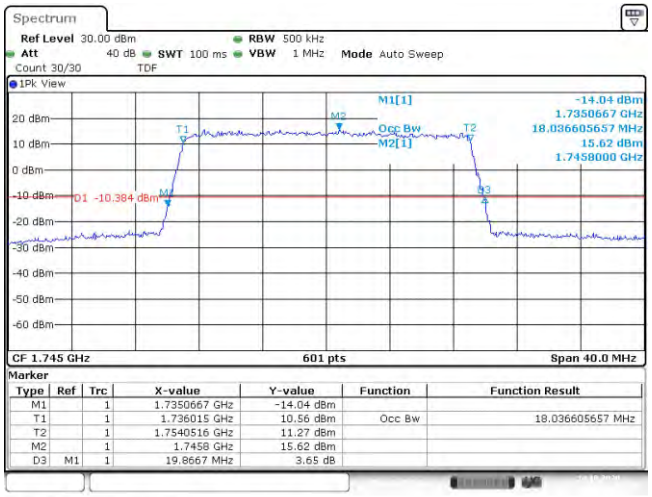


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.7350667 GHz	-14.04 dBm		
T1		1	1.736015 GHz	10.56 dBm	Occ Bw	18.036605657 MHz
T2		1	1.7540516 GHz	11.27 dBm		
M2		1	1.7458 GHz	15.62 dBm		
D3	M1	1	19.8667 MHz	3.65 dB		

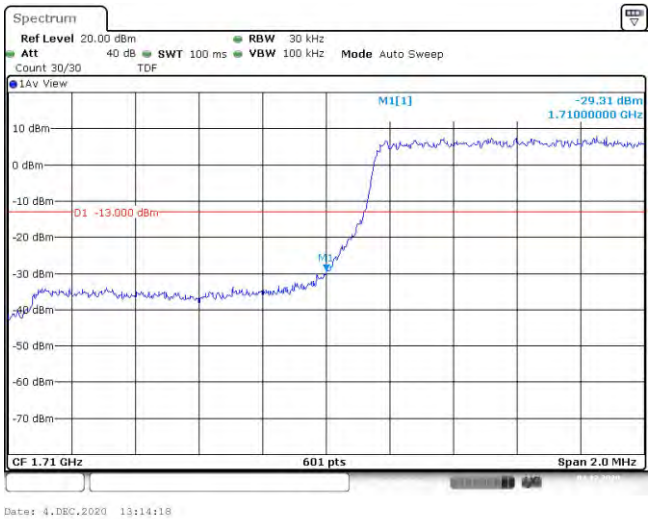
Date: 14.OCT.2020 14:50:29

Appendix C: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	-29.31	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-29.25	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-30.37	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-29.32	PASS
Band4	3MHz	QPSK	19965	15RB#0	-32.03	PASS
Band4	3MHz	QPSK	20385	15RB#0	-30.62	PASS
Band4	3MHz	16QAM	19965	15RB#0	-32.56	PASS
Band4	3MHz	16QAM	20385	15RB#0	-31.90	PASS
Band4	5MHz	QPSK	19975	25RB#0	-26.42	PASS
Band4	5MHz	QPSK	20375	25RB#0	-27.72	PASS
Band4	5MHz	16QAM	19975	25RB#0	-27.75	PASS
Band4	5MHz	16QAM	20375	25RB#0	-28.54	PASS
Band4	10MHz	QPSK	20000	50RB#0	-31.11	PASS
Band4	10MHz	QPSK	20350	50RB#0	-31.28	PASS
Band4	10MHz	16QAM	20000	50RB#0	-31.87	PASS
Band4	10MHz	16QAM	20350	50RB#0	-31.38	PASS
Band4	15MHz	QPSK	20025	75RB#0	-33.11	PASS
Band4	15MHz	QPSK	20325	75RB#0	-31.91	PASS
Band4	15MHz	16QAM	20025	75RB#0	-32.11	PASS
Band4	15MHz	16QAM	20325	75RB#0	-32.90	PASS
Band4	20MHz	QPSK	20050	100RB#0	-31.27	PASS
Band4	20MHz	QPSK	20300	100RB#0	-32.51	PASS
Band4	20MHz	16QAM	20050	100RB#0	-30.79	PASS
Band4	20MHz	16QAM	20300	100RB#0	-33.01	PASS

Test Graphs

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


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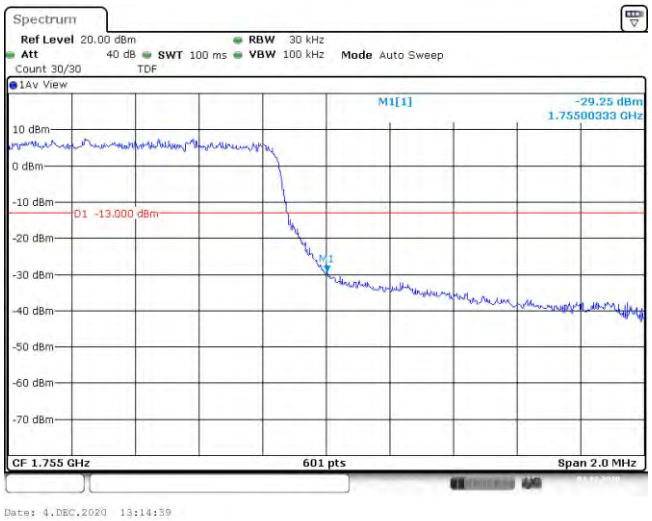

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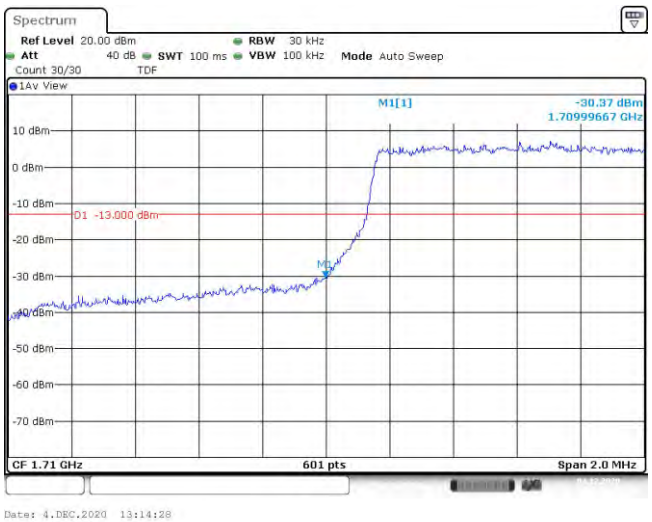

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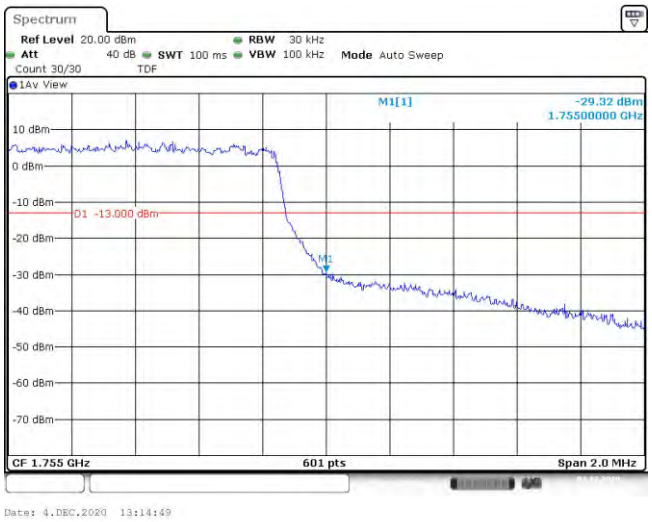

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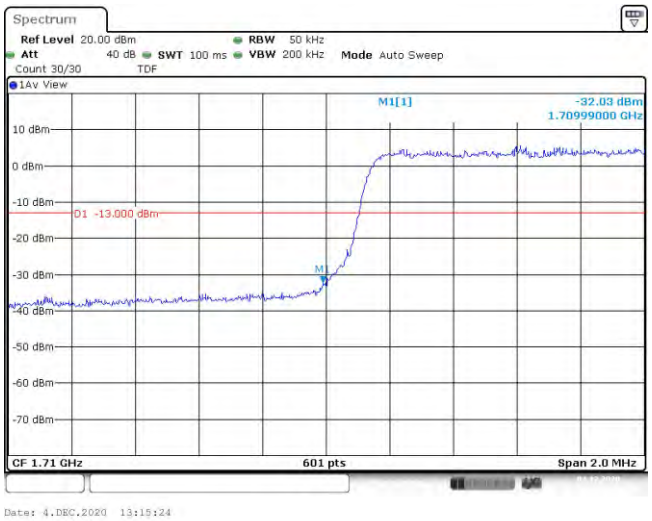

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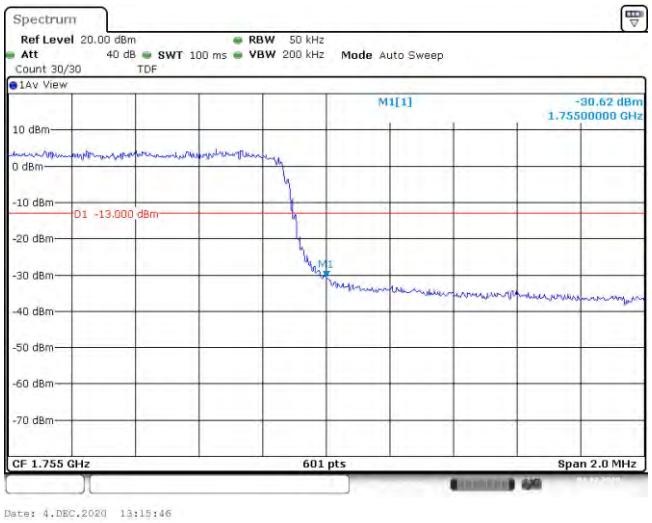
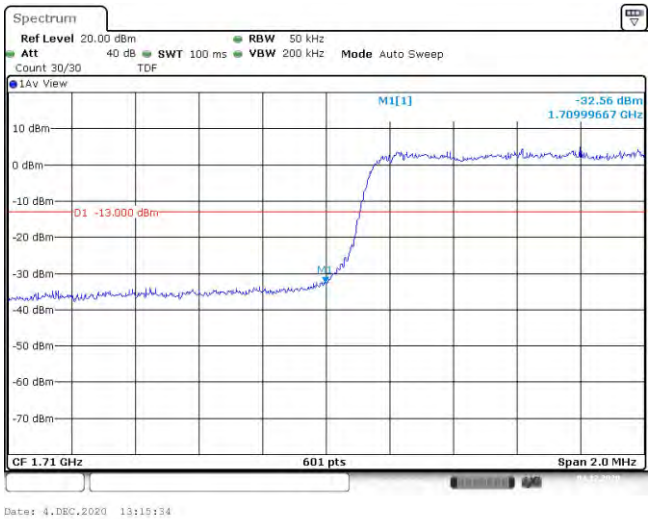
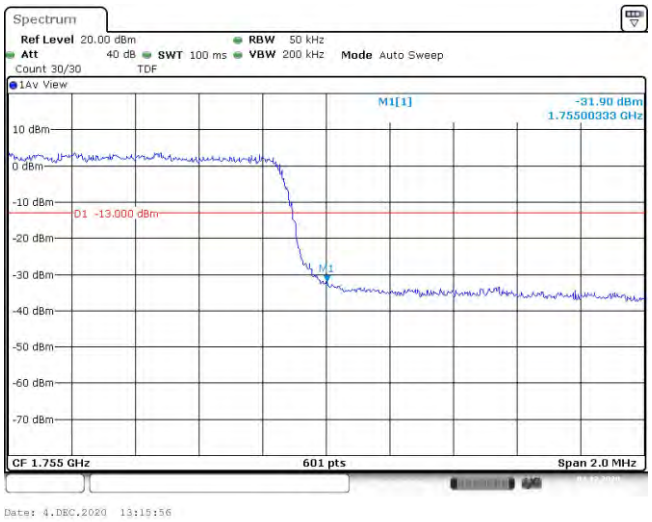


Band4-3MHz-16QAM-19965-15RB#0



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



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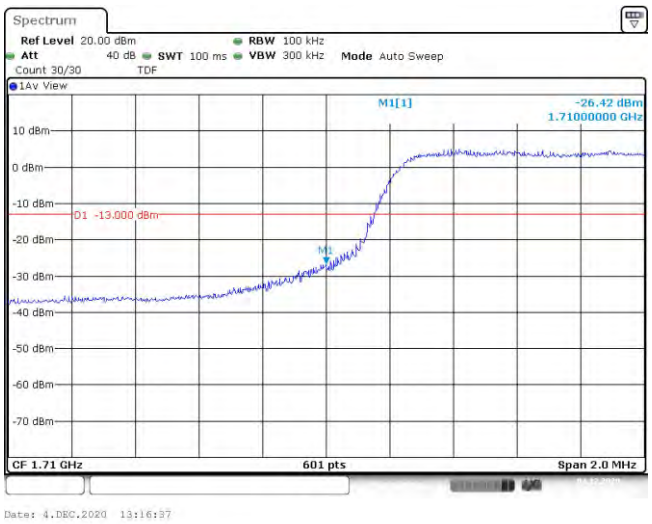

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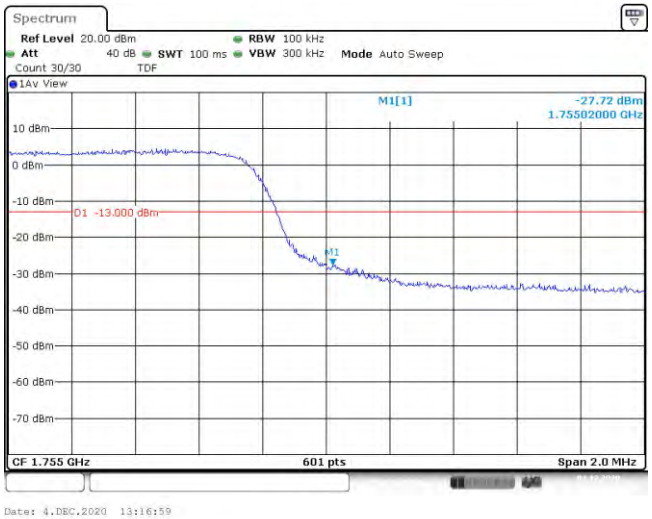

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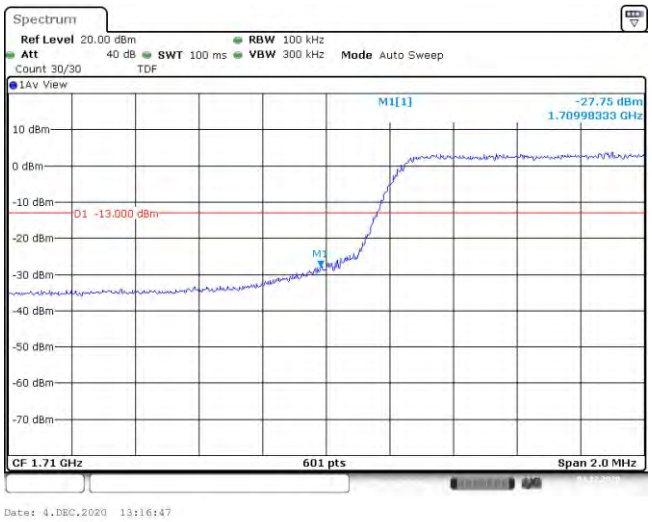

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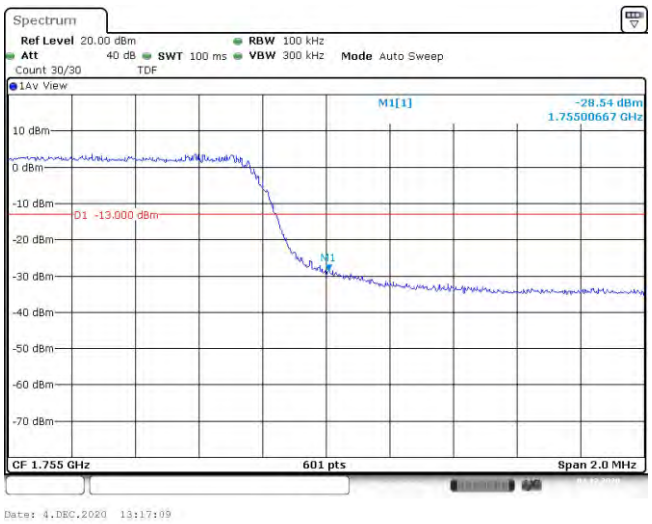

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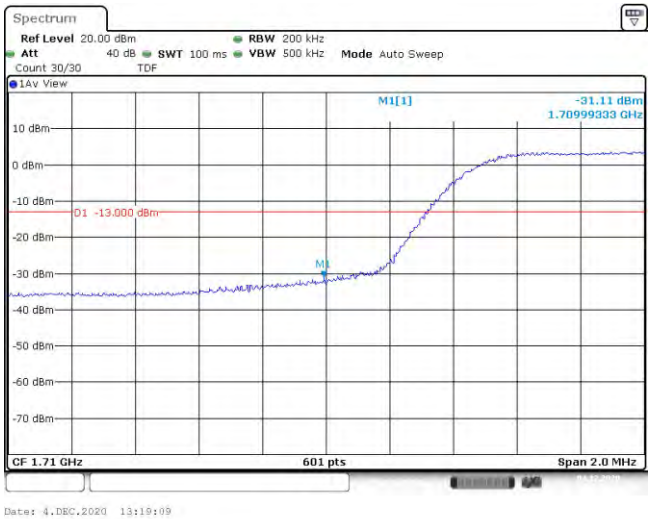

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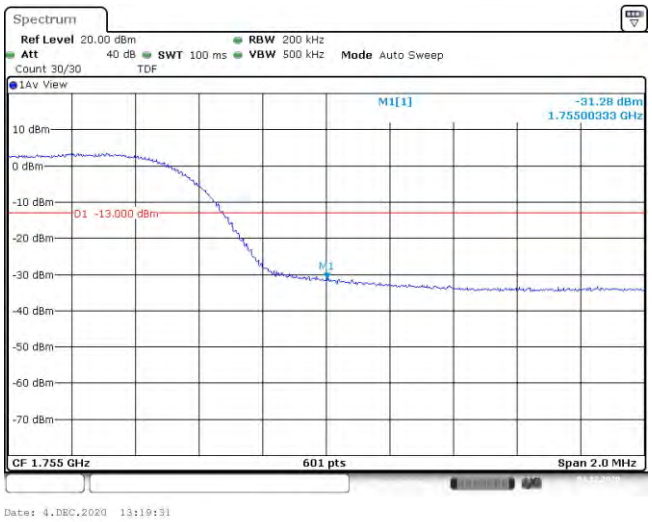

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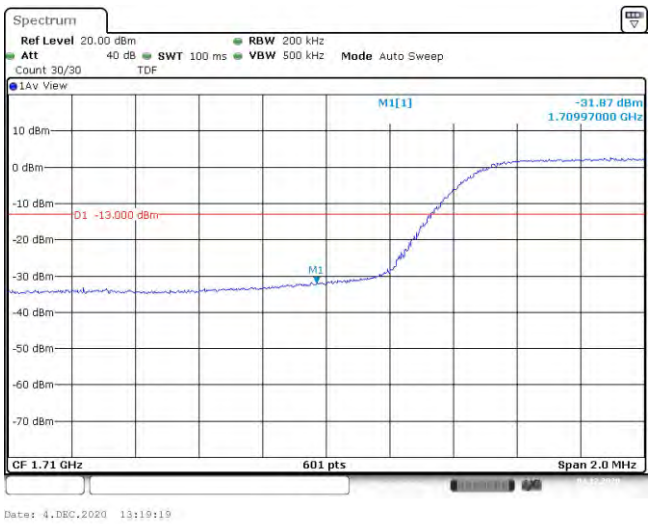

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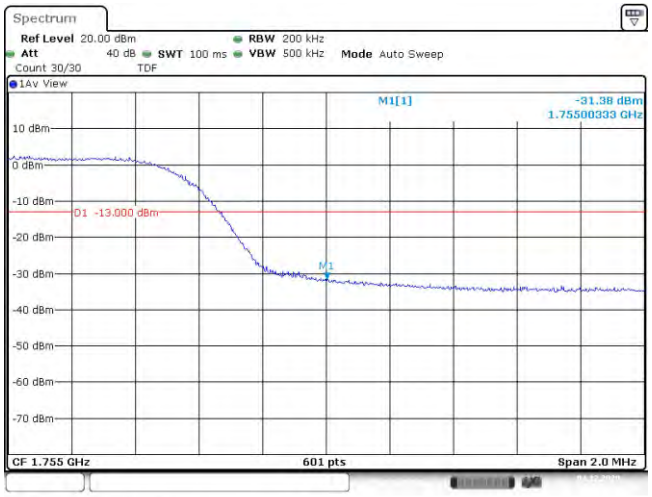

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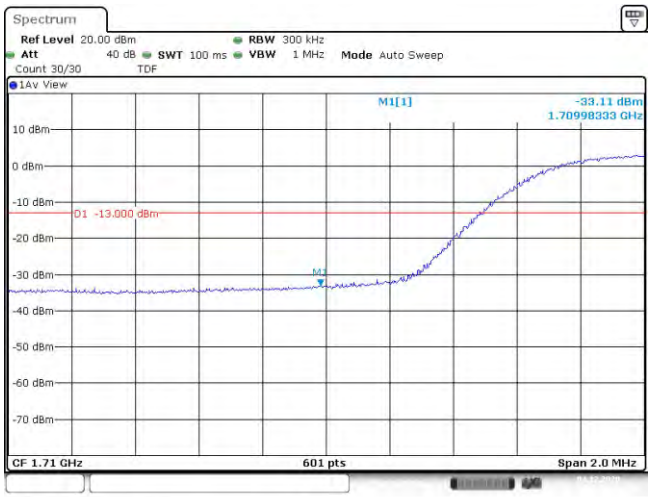

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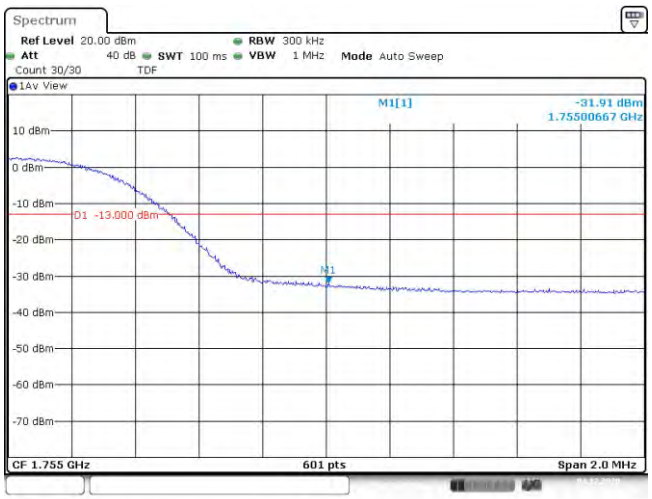

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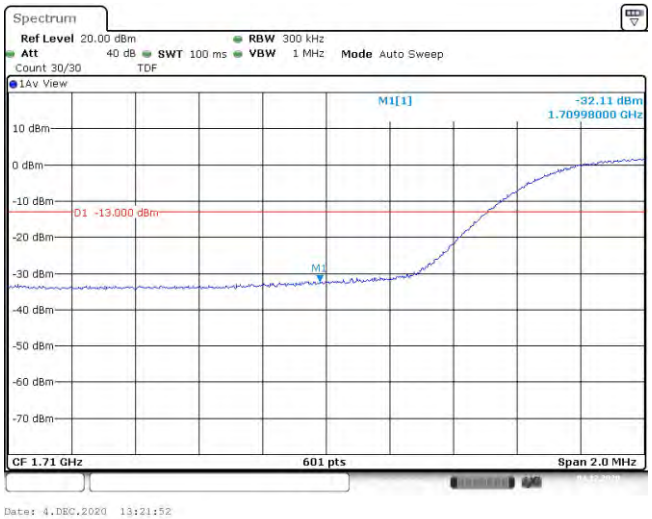

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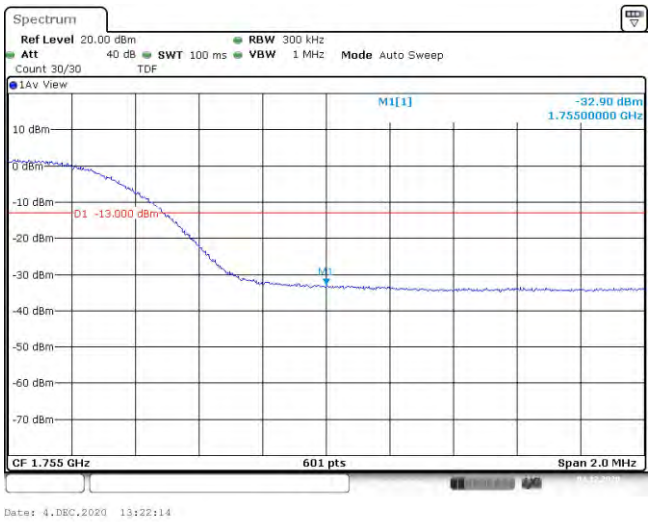

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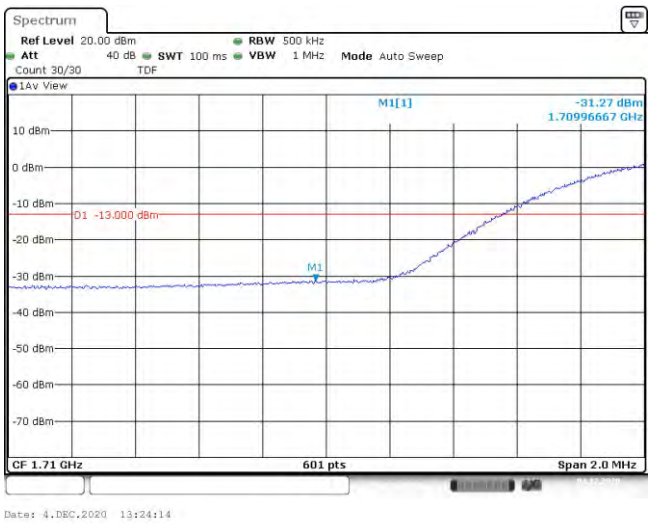

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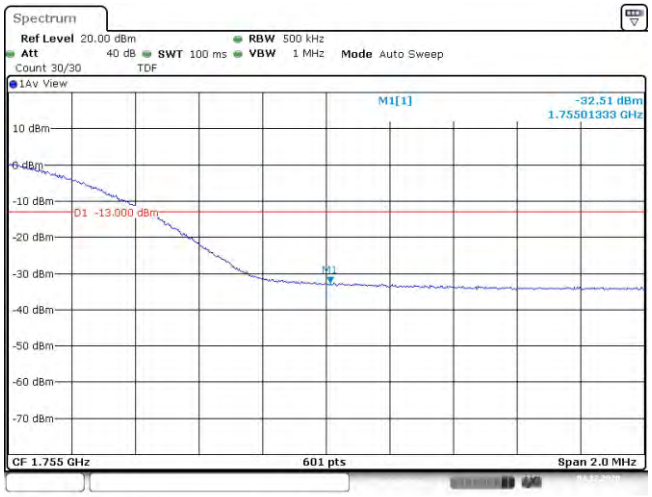

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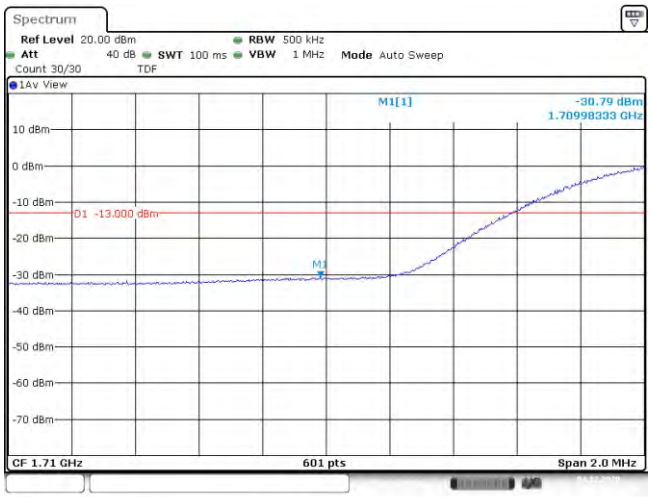

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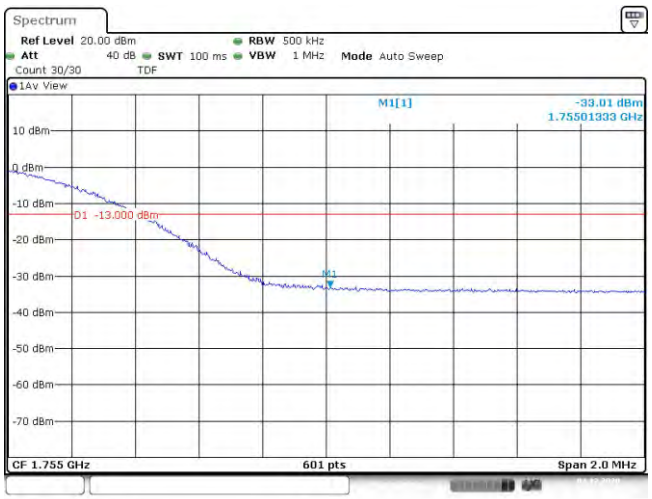

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