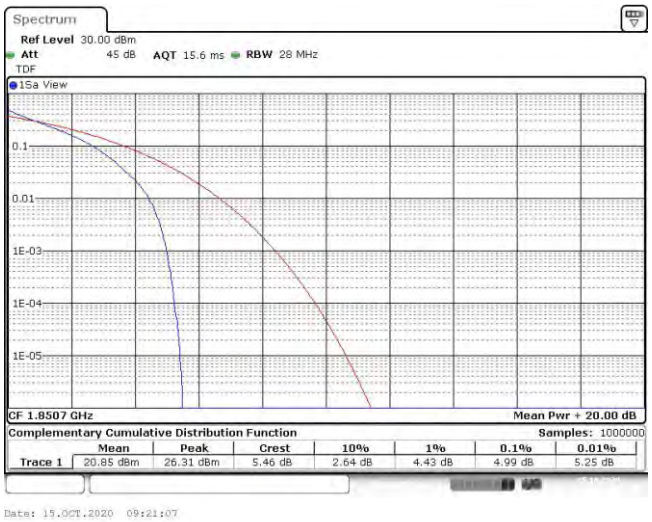
Appendix A: Peak-to-Average Ratio(CCDF)

Test Result

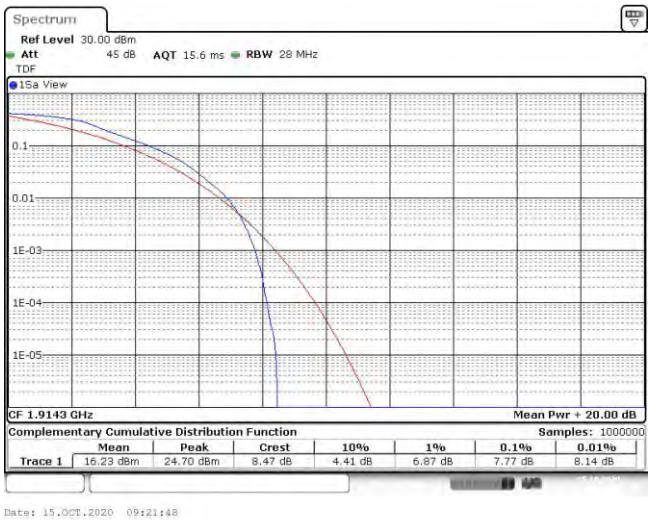
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	4.99	13	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	5.10	13	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	7.77	13	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	5.83	13	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	5.94	13	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	8.43	13	PASS
Band25	3MHz	QPSK	26055	15RB#0	5.07	13	PASS
Band25	3MHz	QPSK	26365	15RB#0	5.16	13	PASS
Band25	3MHz	QPSK	26675	15RB#0	7.04	13	PASS
Band25	3MHz	16QAM	26055	15RB#0	5.88	13	PASS
Band25	3MHz	16QAM	26365	15RB#0	5.94	13	PASS
Band25	3MHz	16QAM	26675	15RB#0	6.17	13	PASS
Band25	5MHz	QPSK	26065	25RB#0	5.16	13	PASS
Band25	5MHz	QPSK	26365	25RB#0	5.16	13	PASS
Band25	5MHz	QPSK	26665	25RB#0	5.28	13	PASS
Band25	5MHz	16QAM	26065	25RB#0	5.97	13	PASS
Band25	5MHz	16QAM	26365	25RB#0	5.94	13	PASS
Band25	5MHz	16QAM	26665	25RB#0	6.61	13	PASS
Band25	10MHz	QPSK	26090	50RB#0	5.16	13	PASS
Band25	10MHz	QPSK	26365	50RB#0	5.04	13	PASS
Band25	10MHz	QPSK	26640	50RB#0	5.01	13	PASS
Band25	10MHz	16QAM	26090	50RB#0	6.00	13	PASS
Band25	10MHz	16QAM	26365	50RB#0	5.91	13	PASS
Band25	10MHz	16QAM	26640	50RB#0	5.91	13	PASS
Band25	15MHz	QPSK	26115	75RB#0	5.30	13	PASS
Band25	15MHz	QPSK	26365	75RB#0	5.04	13	PASS
Band25	15MHz	QPSK	26615	75RB#0	4.99	13	PASS
Band25	15MHz	16QAM	26115	75RB#0	6.12	13	PASS
Band25	15MHz	16QAM	26365	75RB#0	5.88	13	PASS
Band25	15MHz	16QAM	26615	75RB#0	5.86	13	PASS
Band25	20MHz	QPSK	26140	100RB#0	5.16	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	4.81	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	5.01	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	6.09	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	5.83	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	6.00	13	PASS

Test Graphs

Band25-1.4MHz-QPSK-26047-6RB#0


Band25-1.4MHz-QPSK-26365-6RB#0

Band25-1.4MHz-QPSK-26683-6RB#0



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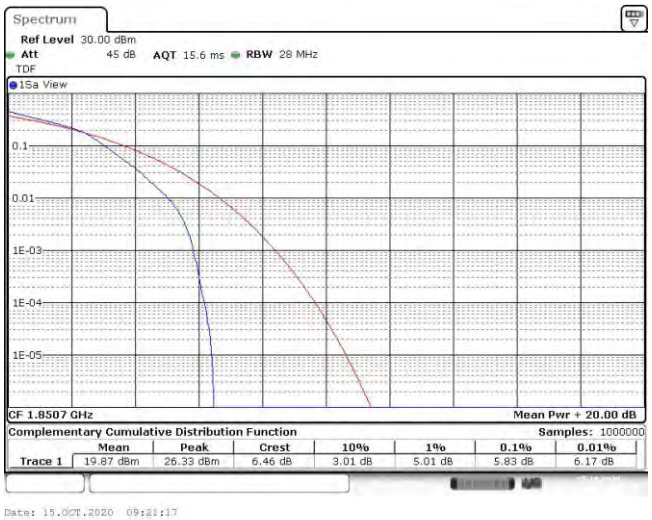

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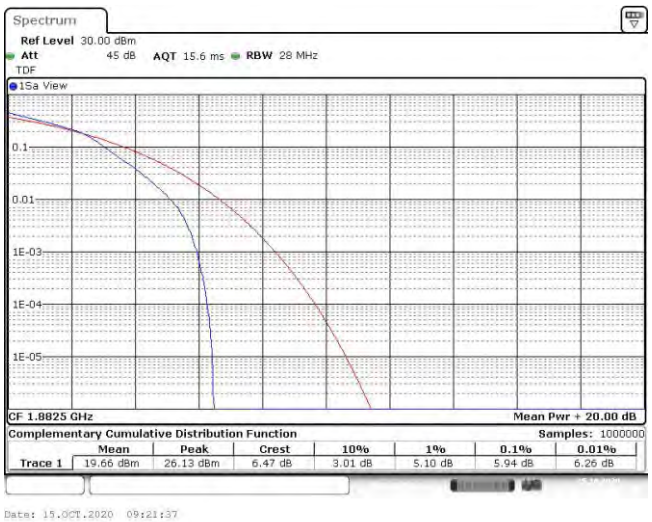

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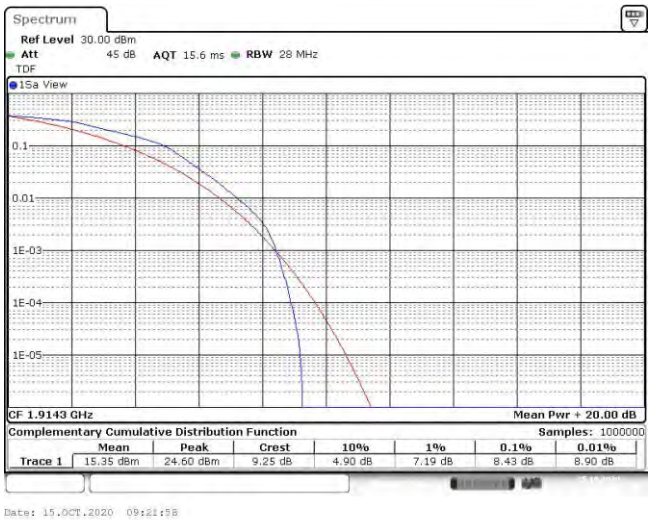

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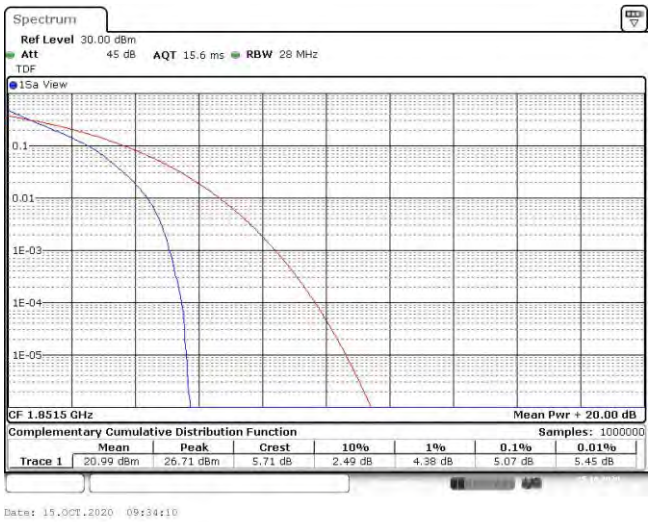

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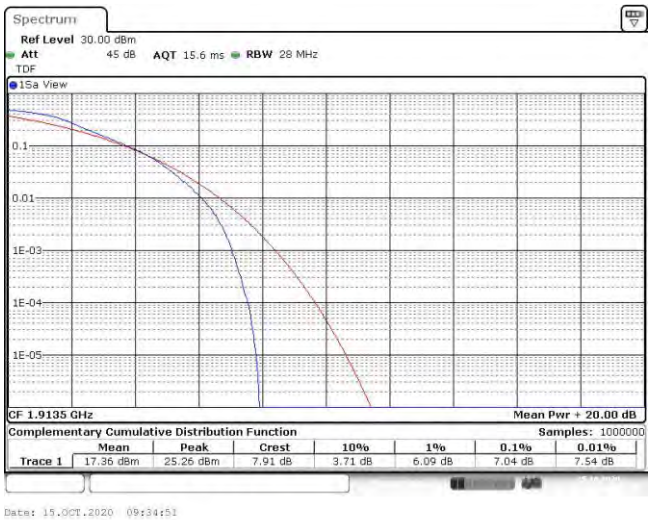
Band25-3MHz-QPSK-26675-15RB#0



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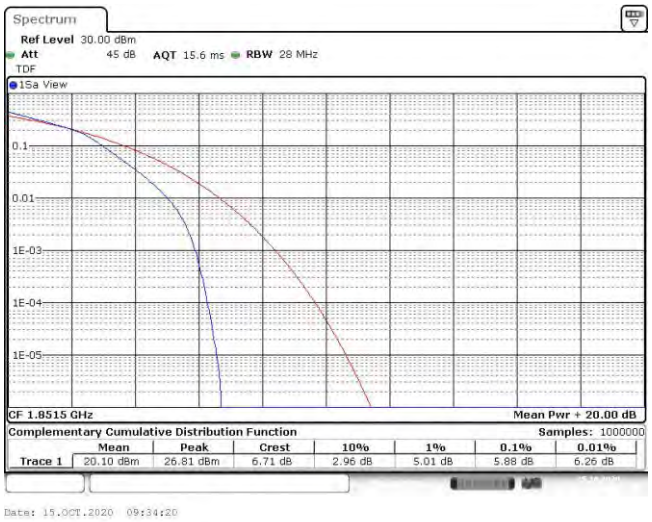

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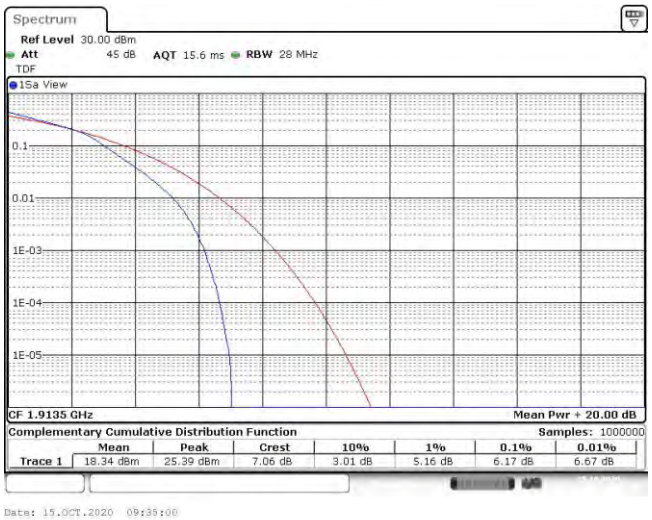
Band25-3MHz-16QAM-26675-15RB#0



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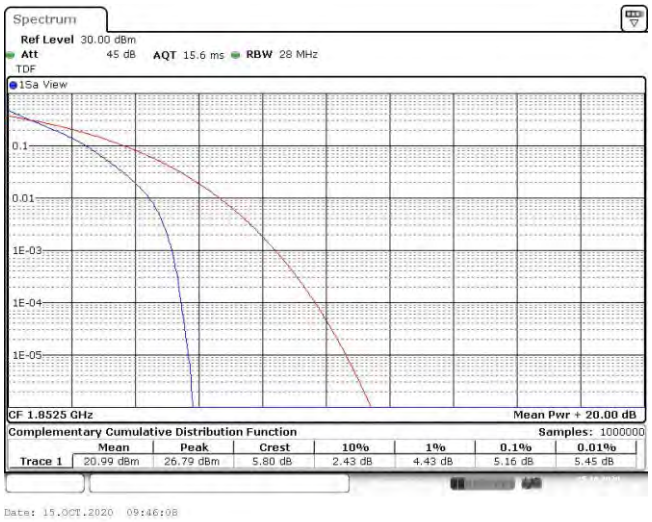

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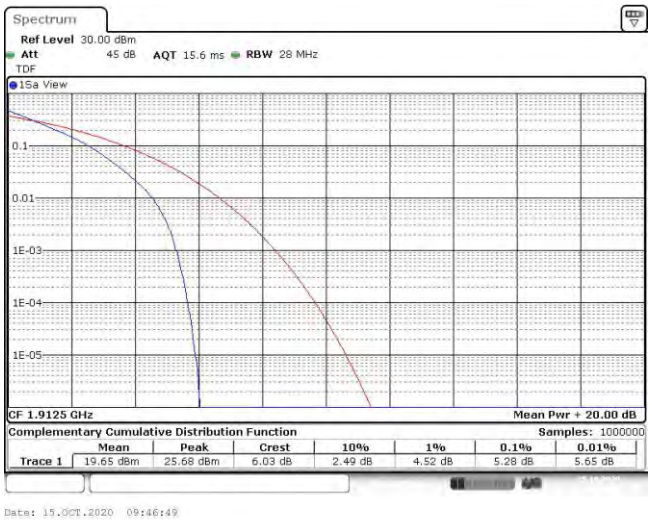

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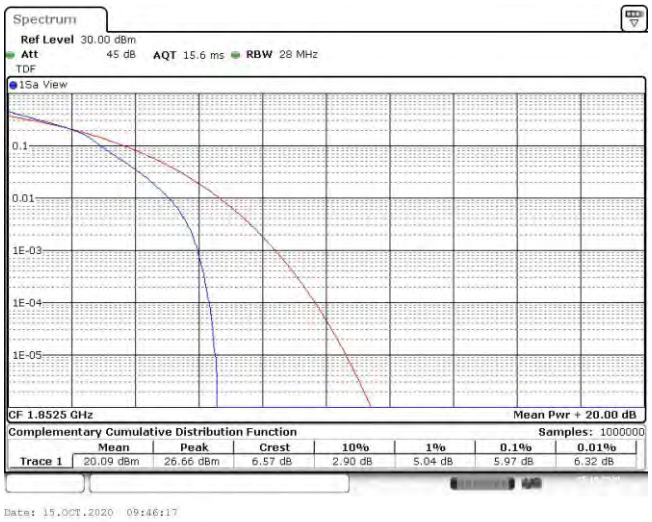
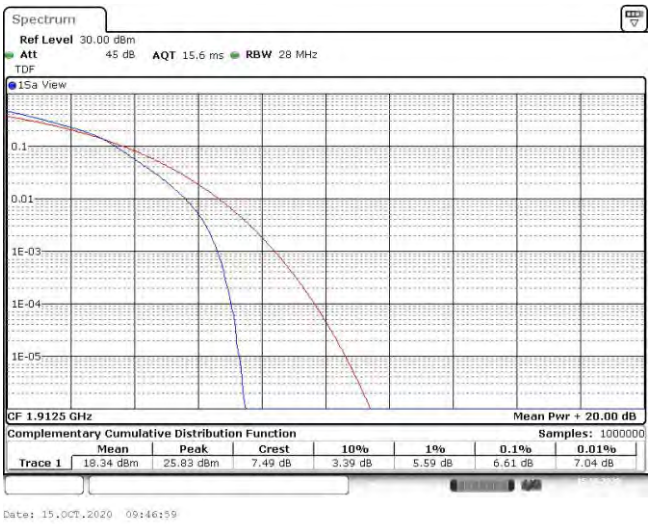
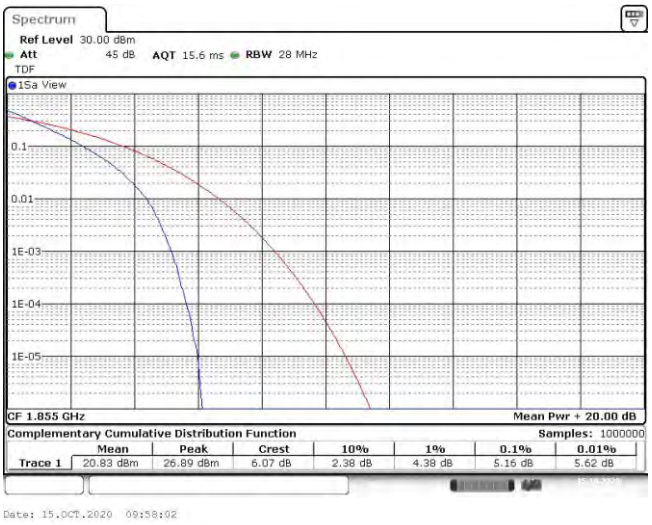


Band25-5MHz-16QAM-26365-25RB#0

Band25-5MHz-16QAM-26665-25RB#0

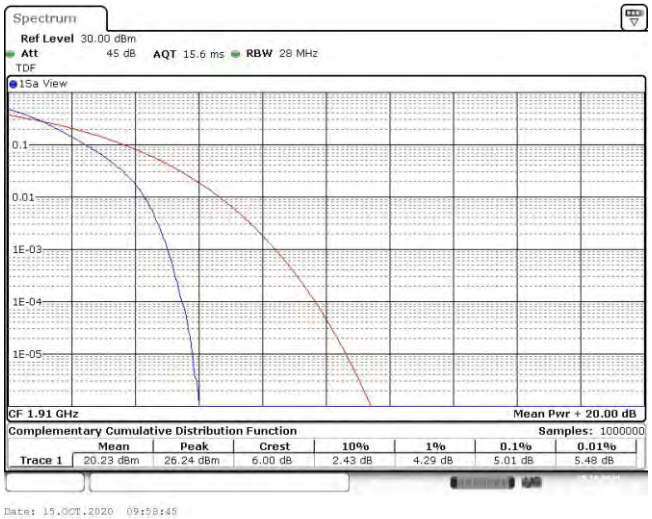


Band25-10MHz-QPSK-26090-50RB#0

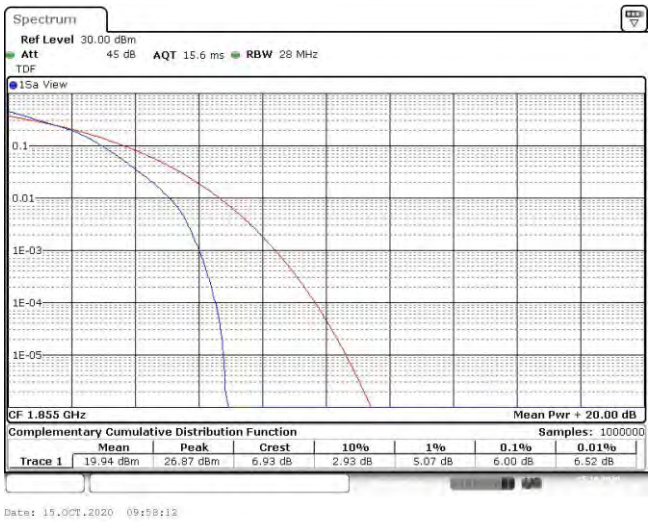


Band25-10MHz-QPSK-26365-50RB#0

Band25-10MHz-QPSK-26640-50RB#0

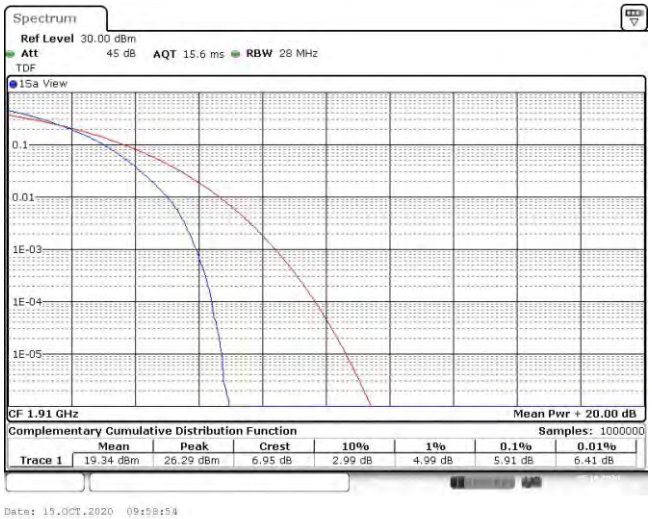


Band25-10MHz-16QAM-26090-50RB#0

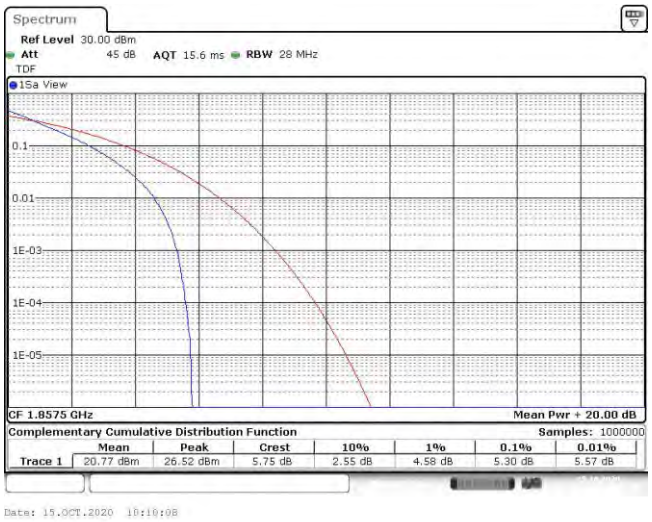


Band25-10MHz-16QAM-26365-50RB#0

Band25-10MHz-16QAM-26640-50RB#0

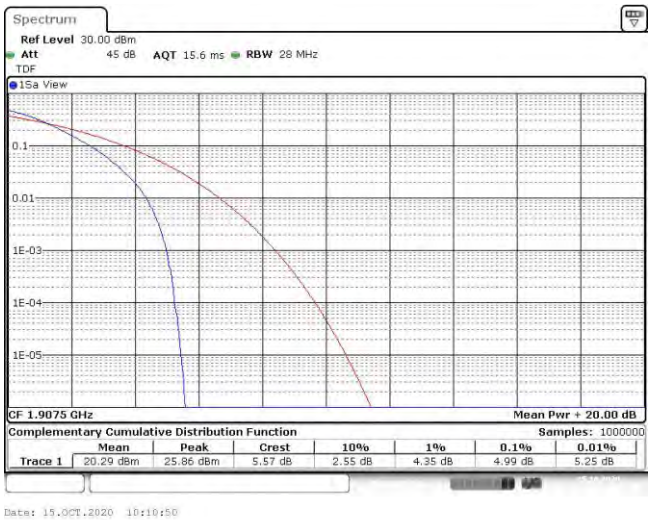


Band25-15MHz-QPSK-26115-75RB#0

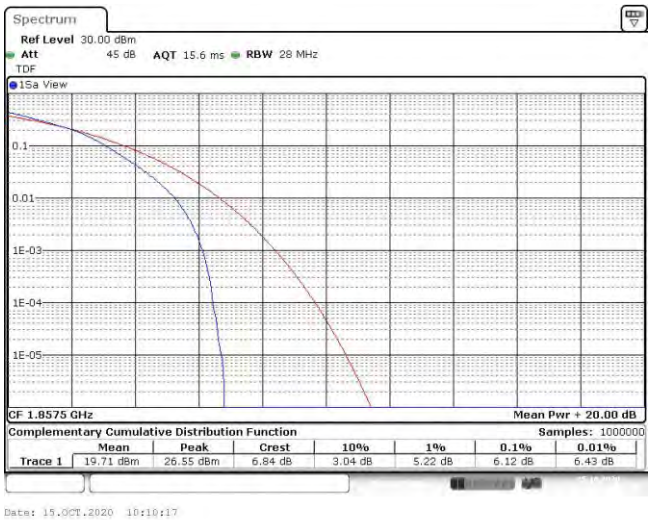


Band25-15MHz-QPSK-26365-75RB#0

Band25-15MHz-QPSK-26615-75RB#0

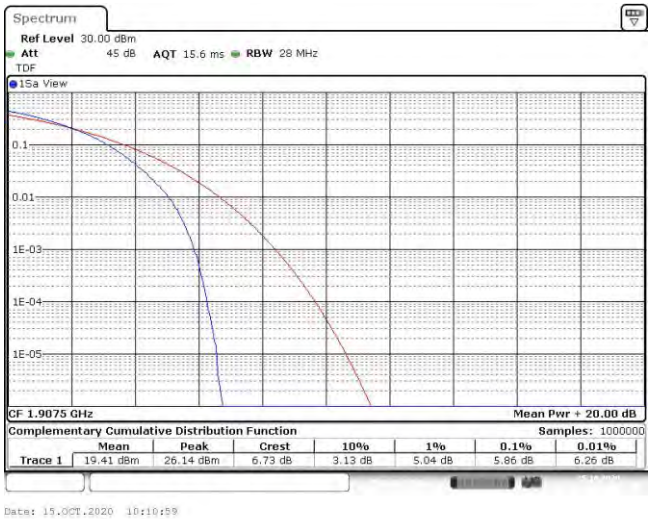


Band25-15MHz-16QAM-26115-75RB#0

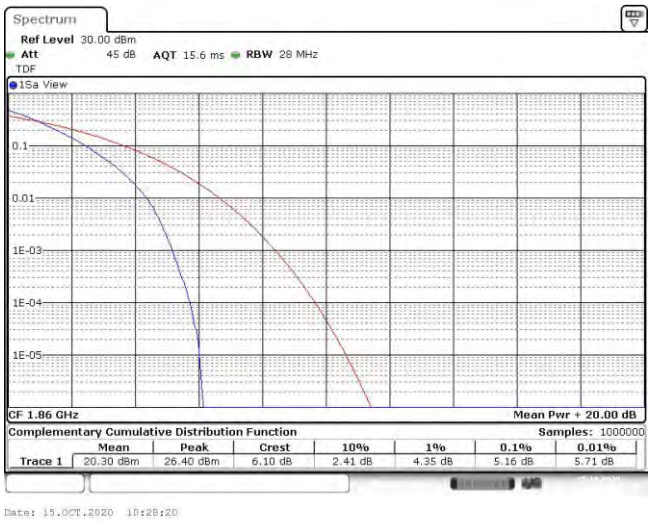


Band25-15MHz-16QAM-26365-75RB#0

Band25-15MHz-16QAM-26615-75RB#0

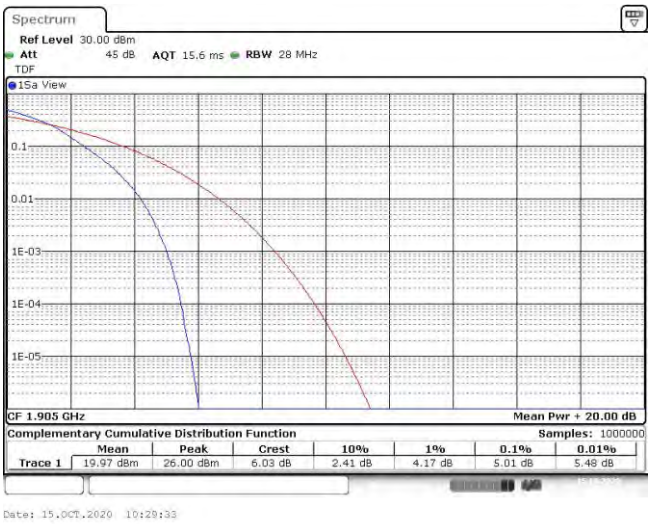


Band25-20MHz-QPSK-26140-100RB#0



Band25-20MHz-QPSK-26365-100RB#0

Band25-20MHz-QPSK-26590-100RB#0



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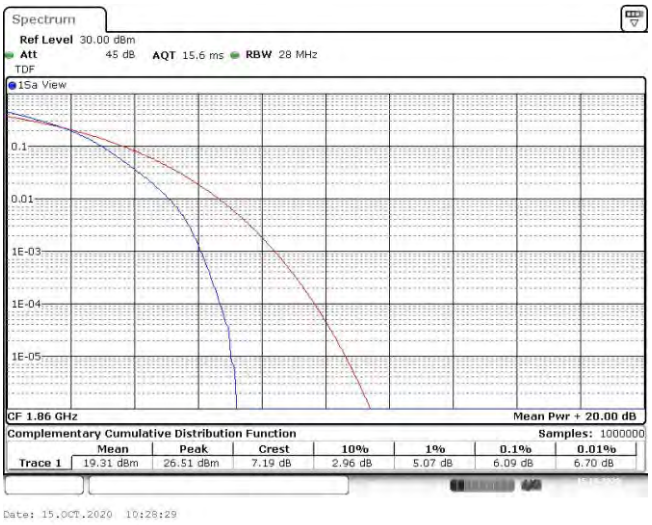
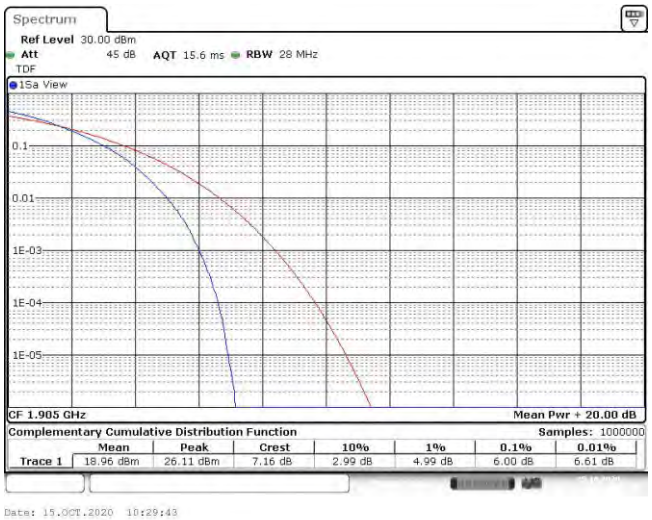


Band25-20MHz-16QAM-26365-100RB#0

Band25-20MHz-16QAM-26590-100RB#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 1.905 GHz
Mean Pwr + 20.00 dB
Complementary Cumulative Distribution Function
Samples: 1000000
Mean Peak Crest 10% 1% 0.1% 0.01%
Trace 1 18.96 dBm 26.11 dBm 7.16 dB 2.99 dB 4.99 dB 6.00 dB 6.61 dB
Date: 15.OCT.2020 10:29:43

Appendix B: 26dB Bandwidth and Occupied Bandwidth

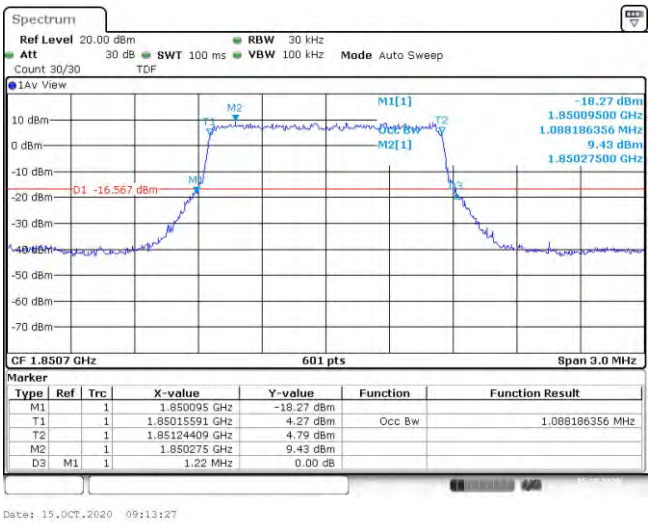
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	1.088	1.220	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.088	1.230	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.088	1.220	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.088	1.235	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.088	1.245	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.088	1.225	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.696	2.870	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.705	2.870	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.696	2.850	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.696	2.860	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.696	2.870	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.696	2.890	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.496	4.790	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.496	4.800	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.496	4.790	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.505	4.770	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.515	4.780	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.515	4.790	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.952	9.567	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.918	9.533	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.918	9.500	PASS
Band25	10MHz	16QAM	26090	50RB#0	8.952	9.533	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.918	9.533	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.918	9.500	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.428	14.300	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.378	14.300	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.378	14.250	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.428	14.300	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.378	14.300	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.328	14.250	PASS
Band25	20MHz	QPSK	26140	100RB#0	18.037	19.333	PASS
Band25	20MHz	QPSK	26365	100RB#0	17.837	19.200	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.837	19.200	PASS

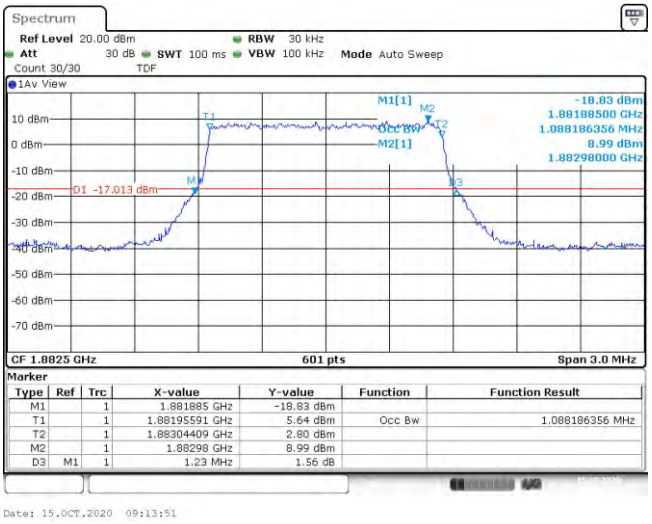
Band25	20MHz	16QAM	26140	100RB#0	17.97	19.267	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.837	19.200	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.837	19.200	PASS

Test Graphs

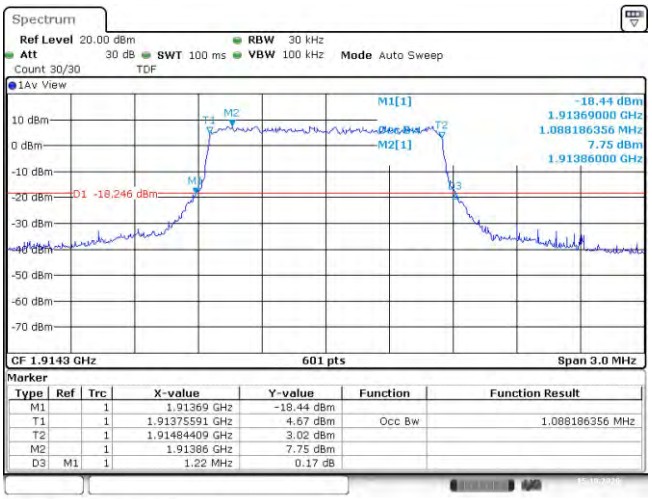
Band25-1.4MHz-QPSK-26047-6RB#0-1.088



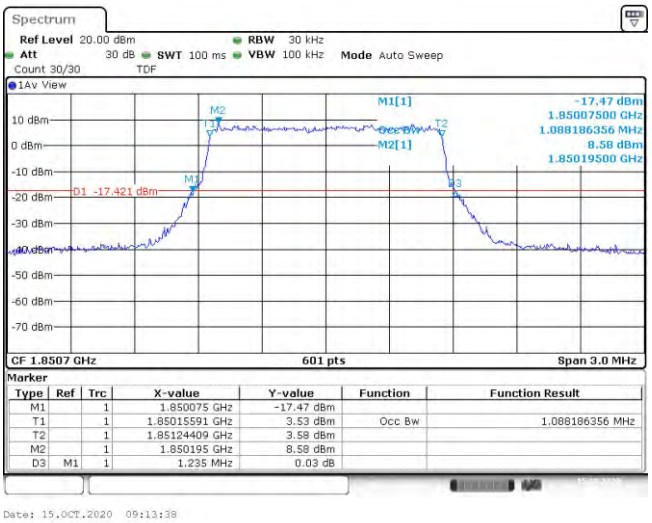
Band25-1.4MHz-QPSK-26365-6RB#0-1.088



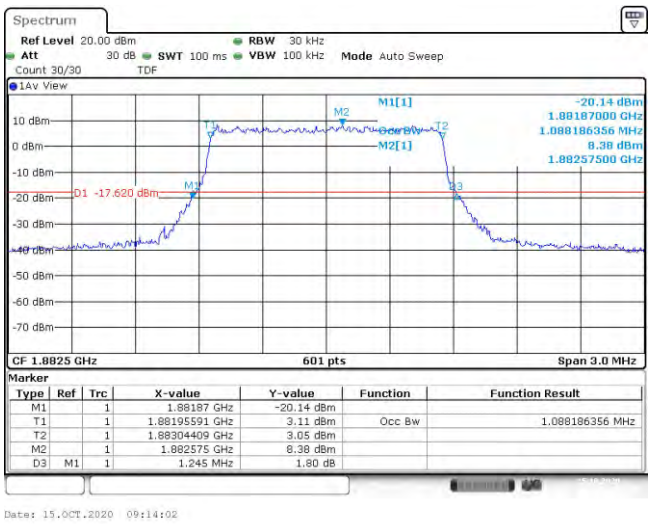
Band25-1.4MHz-QPSK-26683-6RB#0-1.088



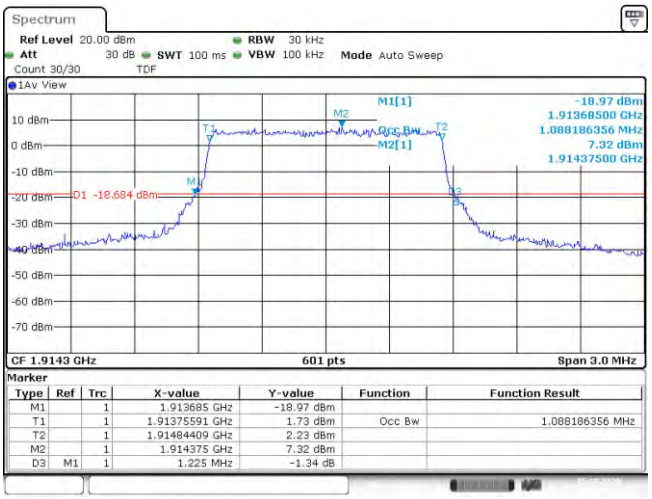
Band25-1.4MHz-16QAM-26047-6RB#0-1.088



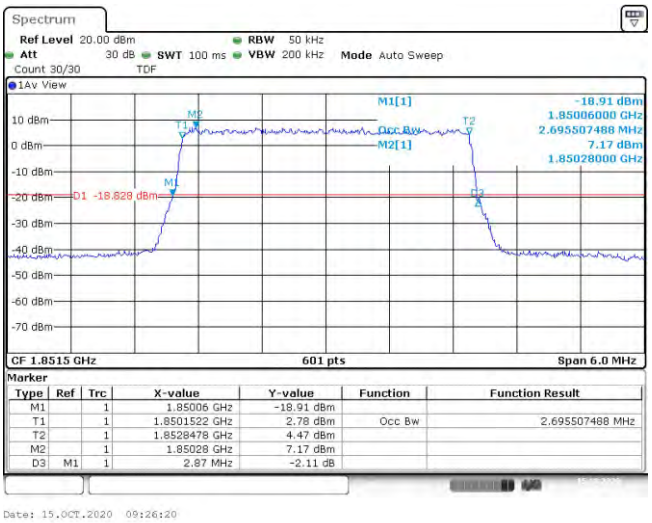
Band25-1.4MHz-16QAM-26365-6RB#0-1.088



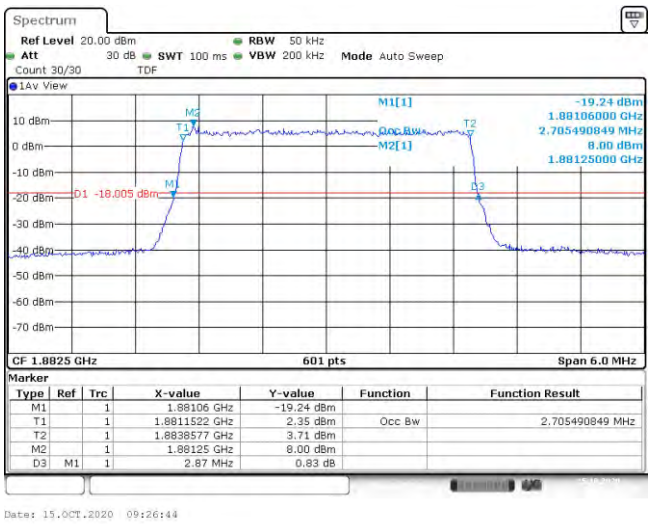
Band25-1.4MHz-16QAM-26683-6RB#0-1.088



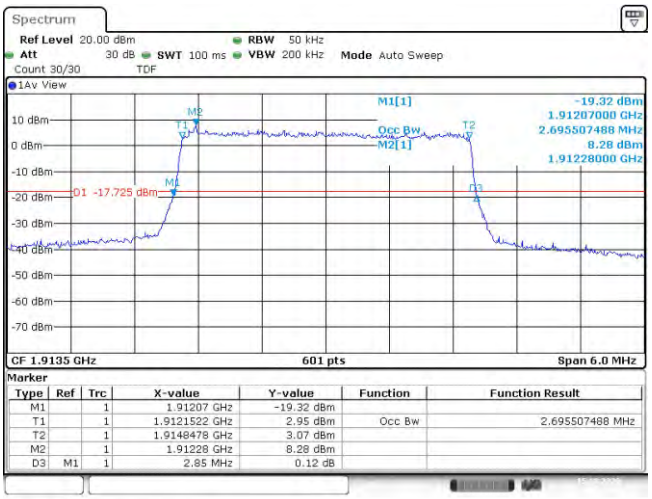
Band25-3MHz-QPSK-26055-15RB#0-2.696



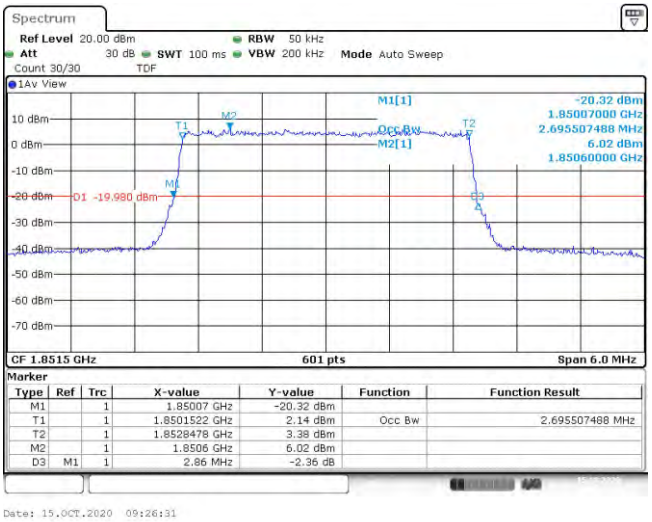
Band25-3MHz-QPSK-26365-15RB#0-2.705



Band25-3MHz-QPSK-26675-15RB#0-2.696



Band25-3MHz-16QAM-26055-15RB#0-2.696



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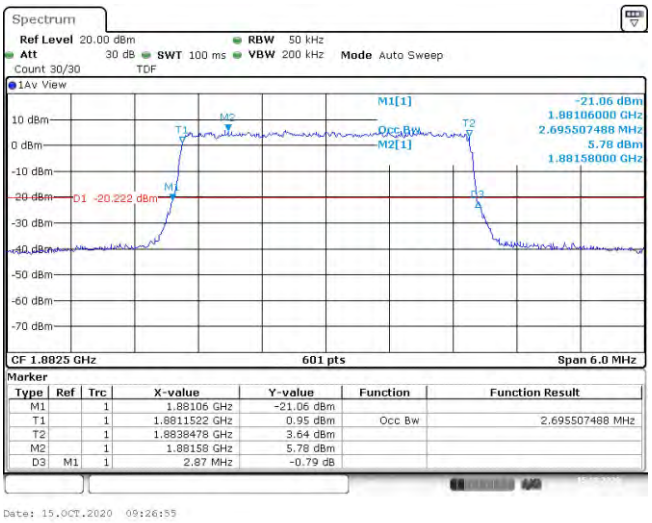

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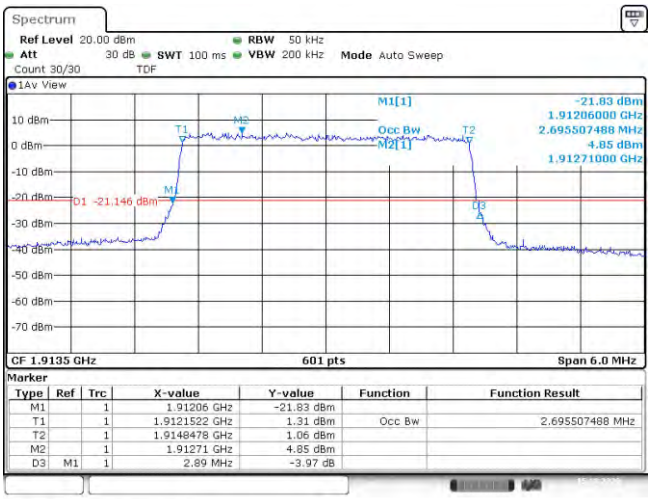

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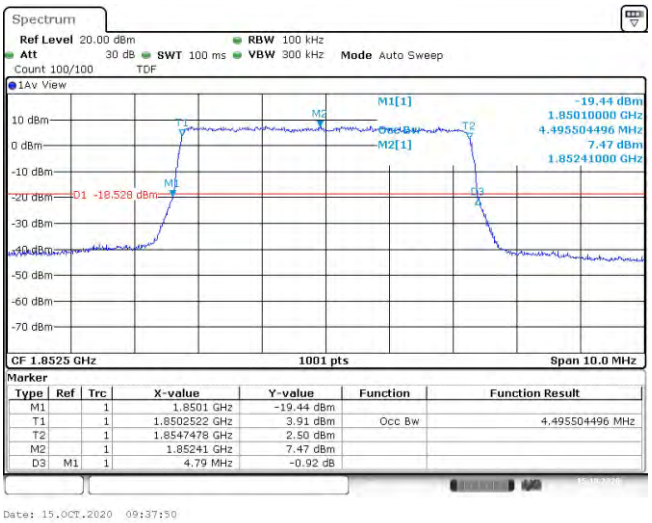

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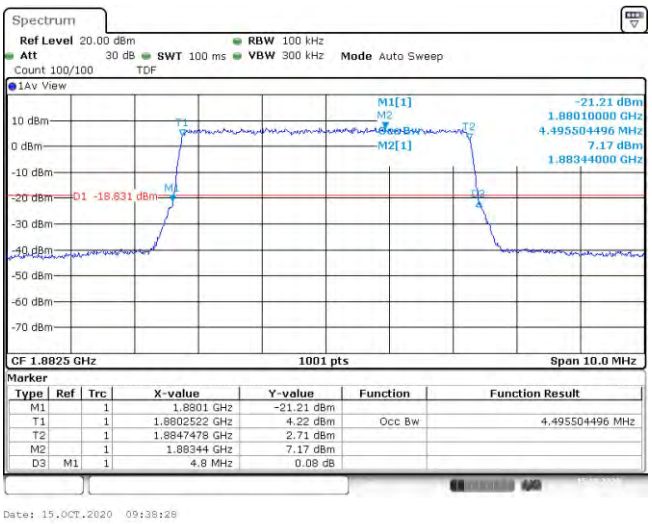

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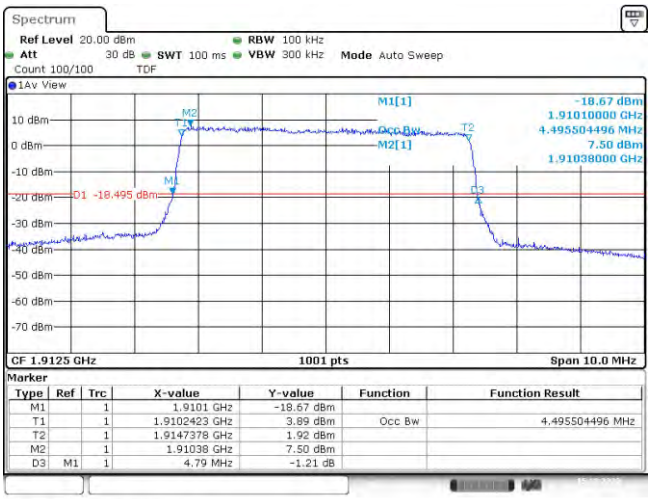

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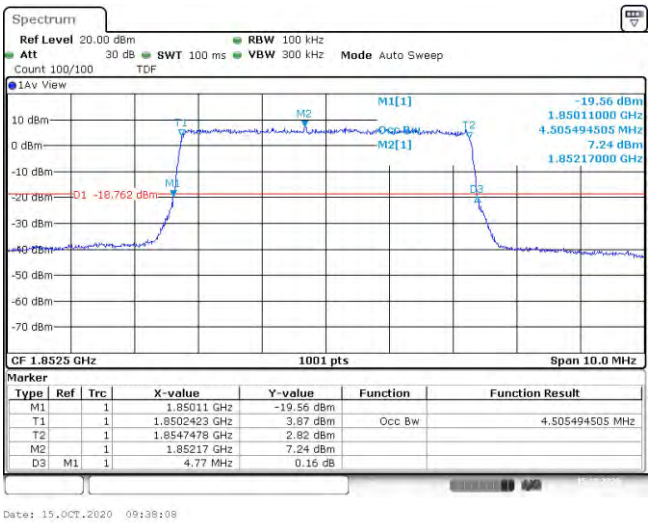

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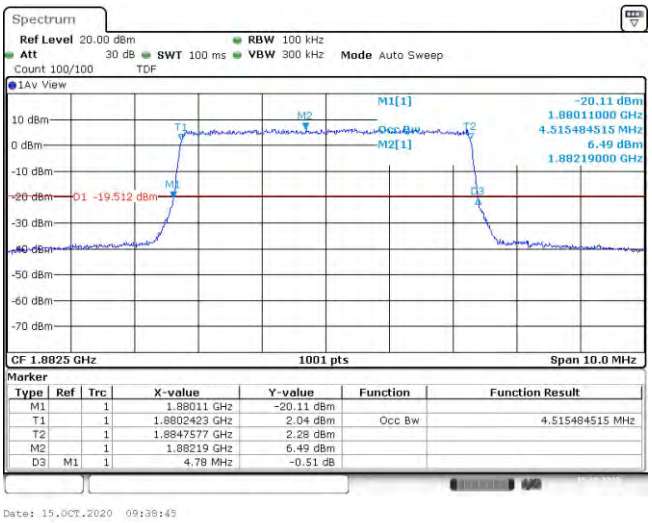

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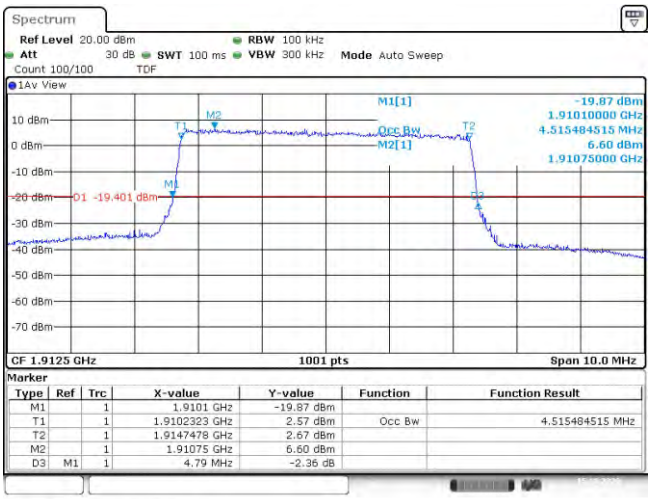
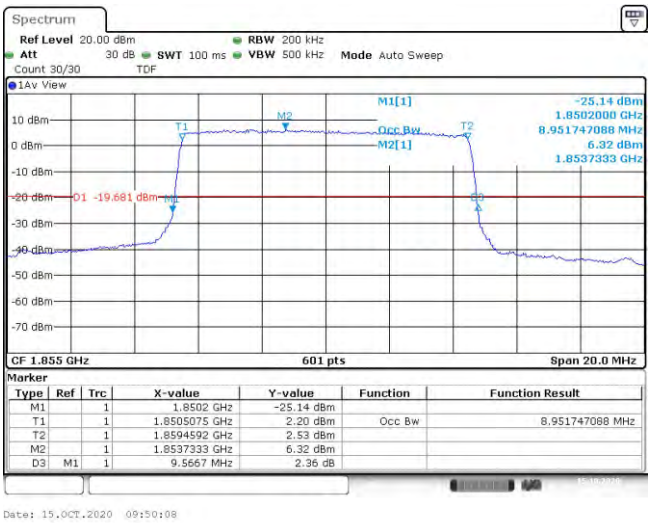


Band25-10MHz-QPSK-26090-50RB#0-8.952



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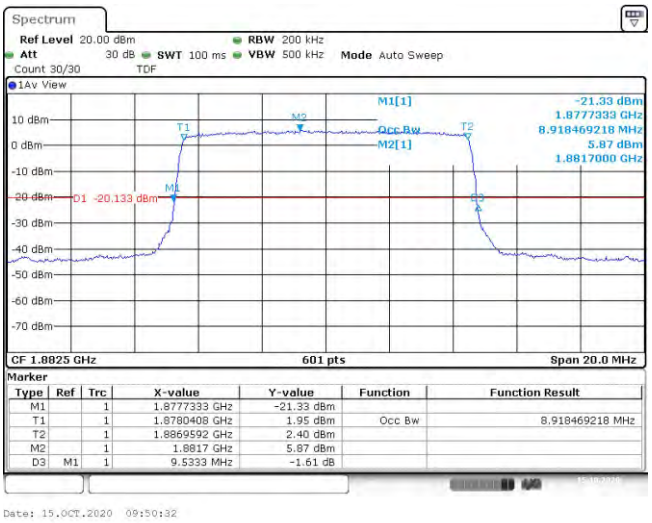

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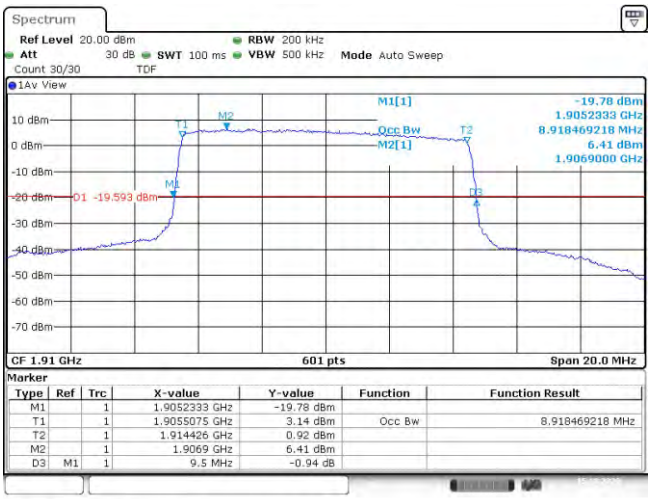

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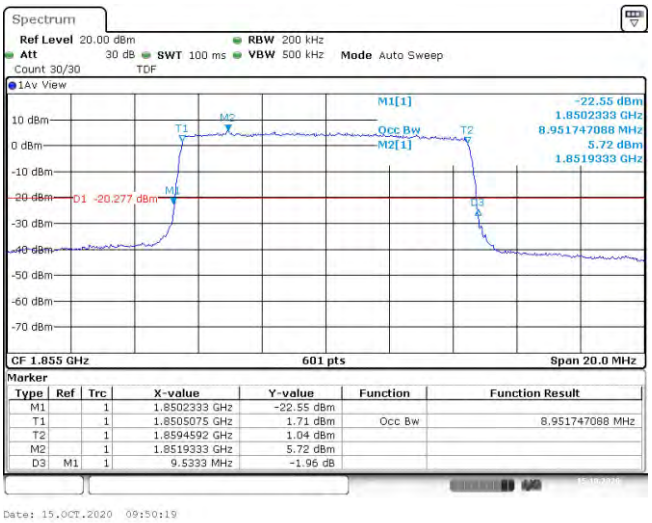

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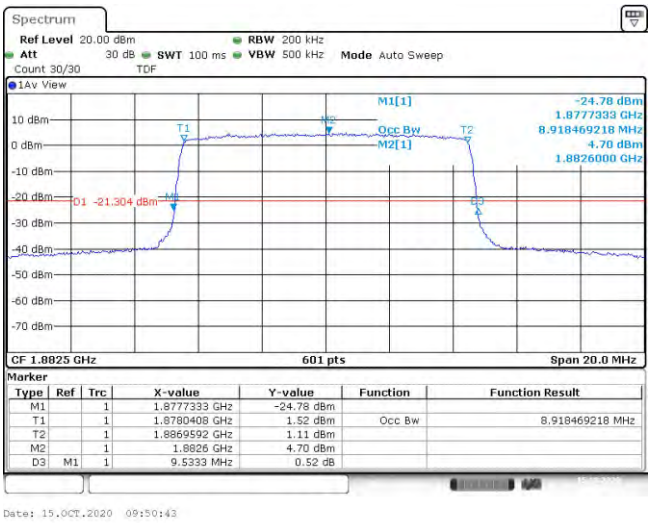

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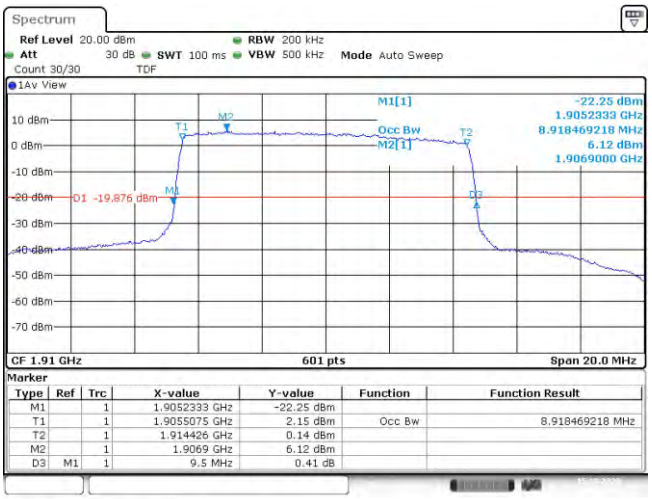
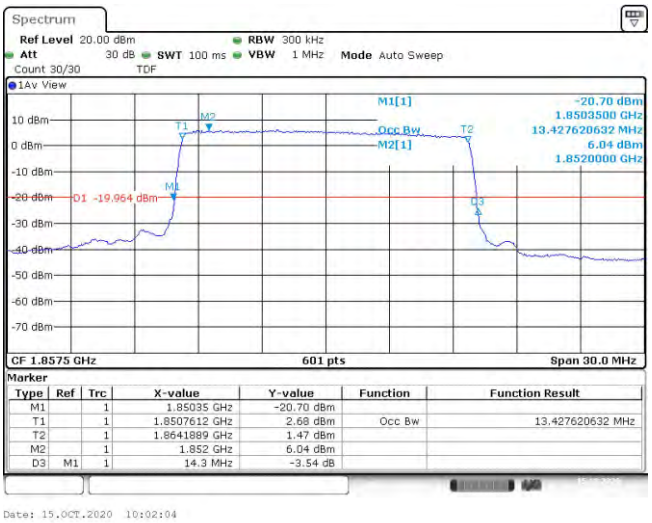


Band25-15MHz-QPSK-26115-75RB#0-13.428



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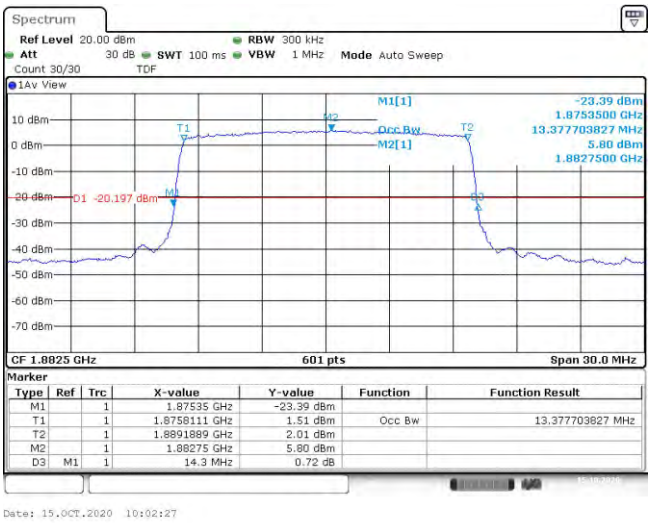

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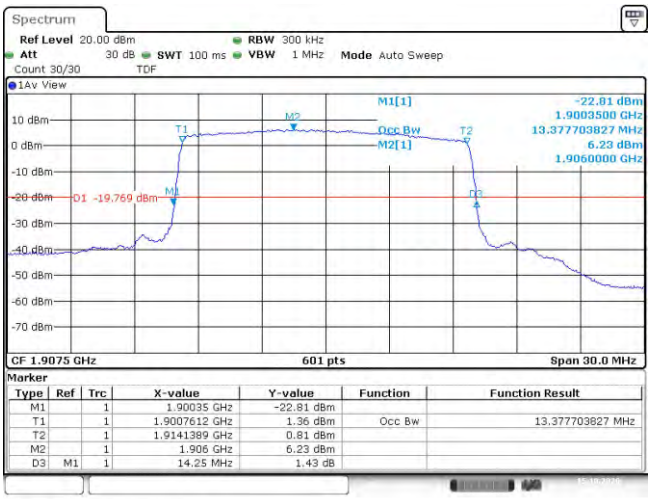

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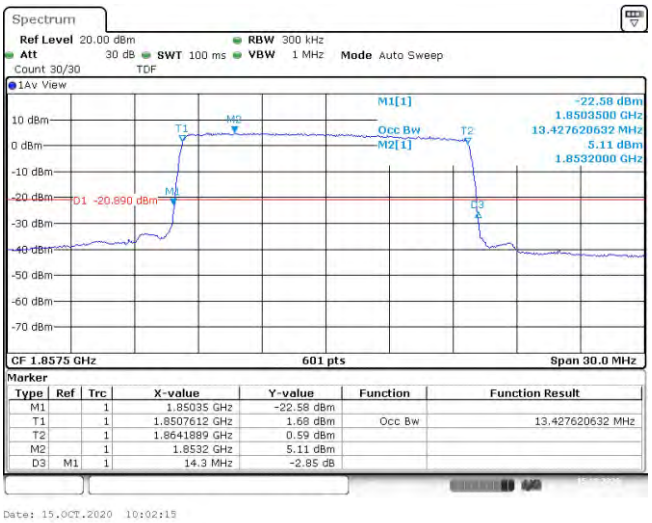

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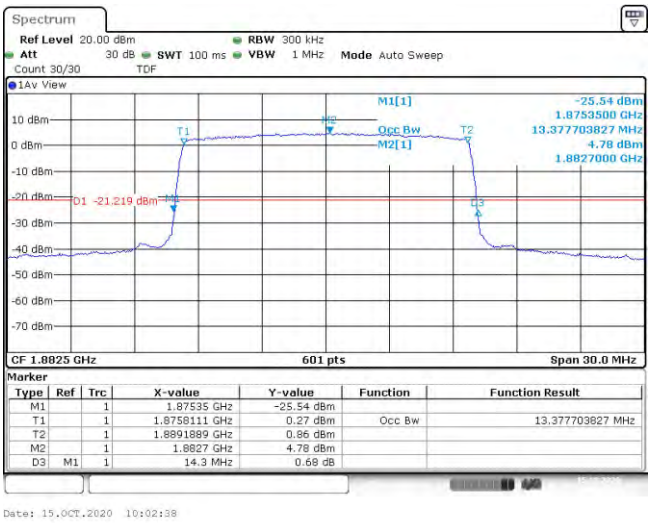

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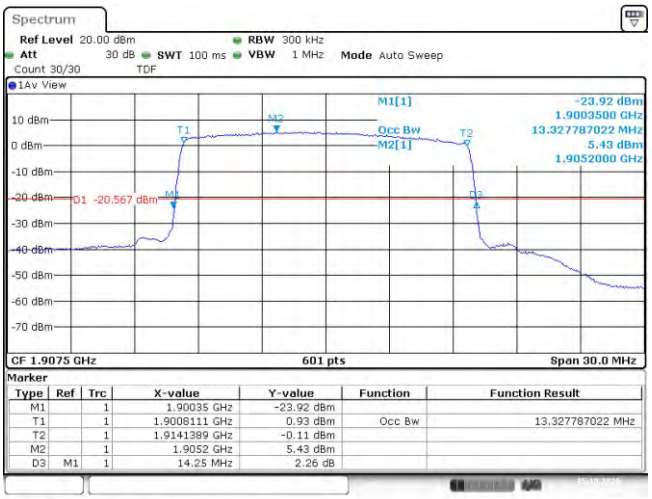

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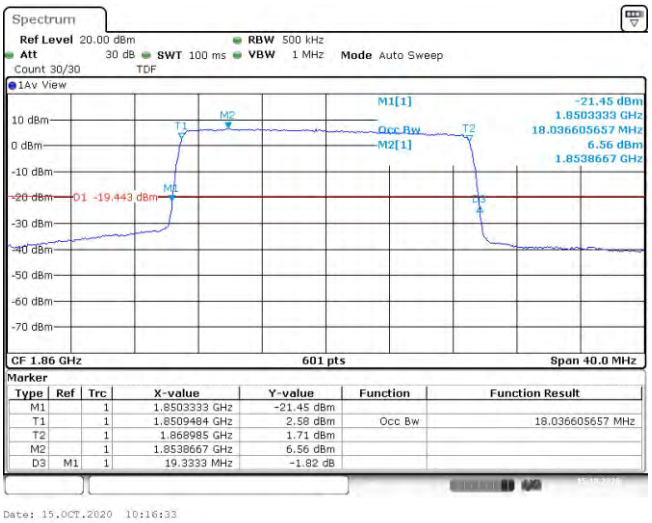

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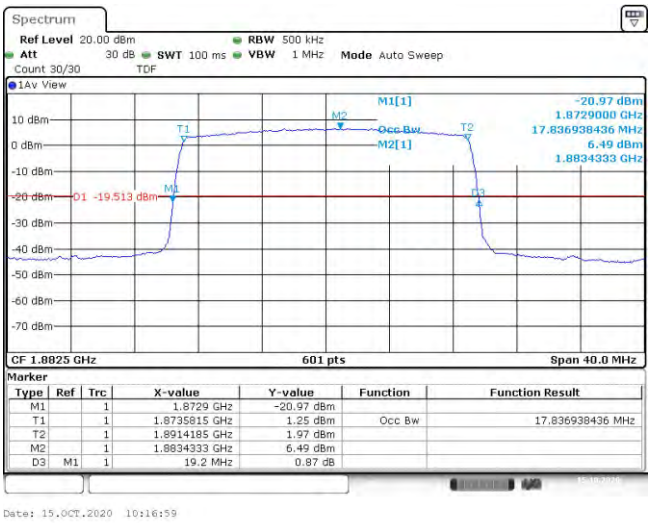

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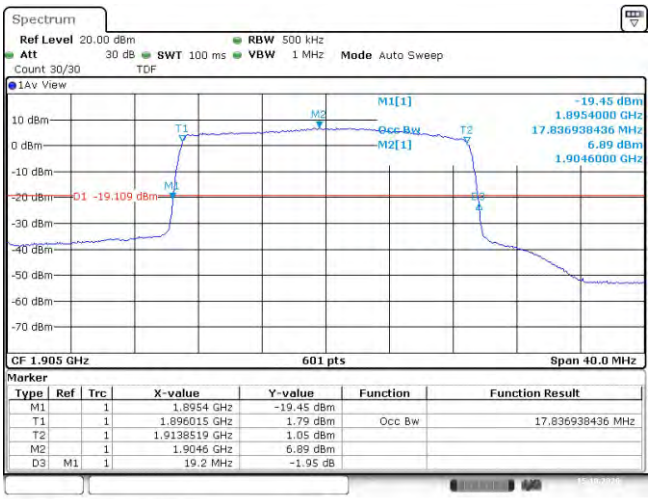

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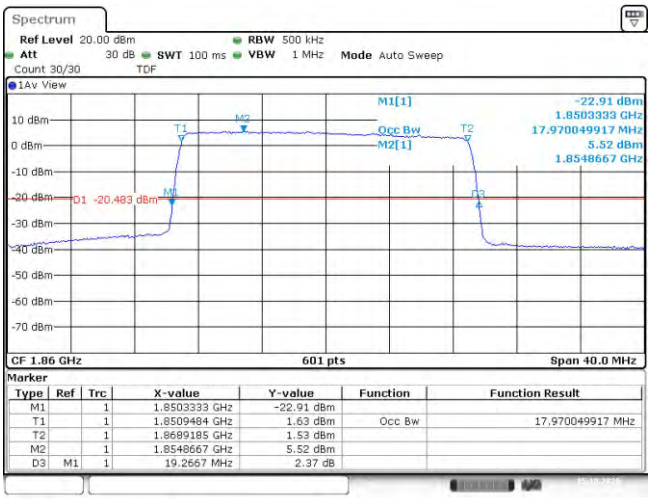

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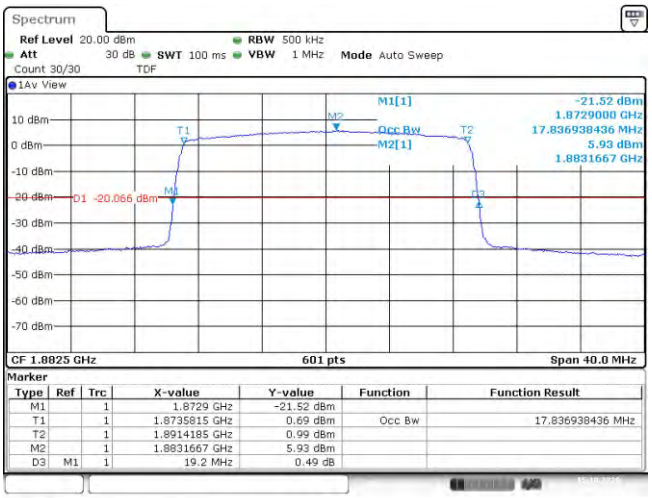

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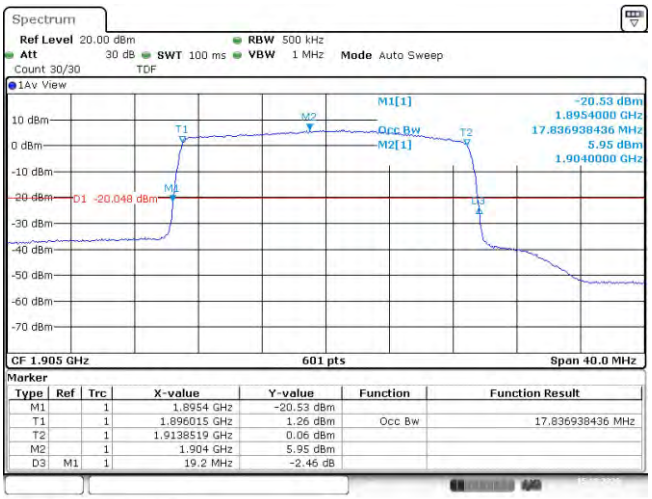


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.8954 GHz	-20.53 dBm		
T1		1	1.896015 GHz	1.26 dBm	Occ Bw	17.836938436 MHz
T2		1	1.9138519 GHz	0.06 dBm		
M2		1	1.904 GHz	5.95 dBm		
D3	M1	1	19.2 MHz	-2.46 dB		

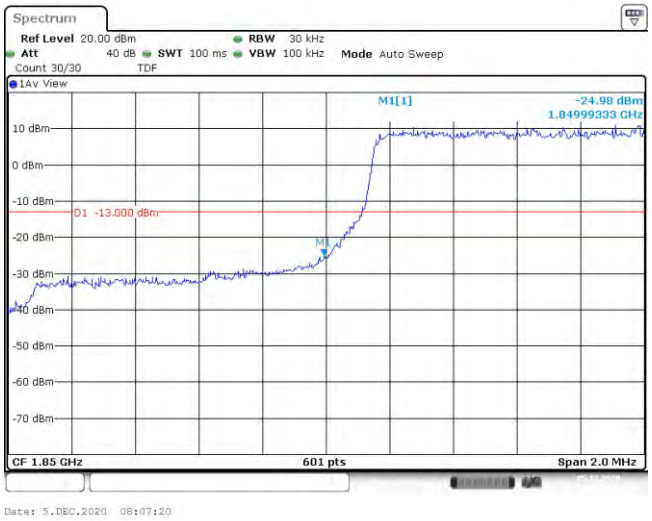
Date: 15.OCT.2020 10:18:06

Appendix C: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	-24.98	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	-24.85	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	-24.80	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	-24.33	PASS
Band25	3MHz	QPSK	26055	15RB#0	-23.33	PASS
Band25	3MHz	QPSK	26675	15RB#0	-25.02	PASS
Band25	3MHz	16QAM	26055	15RB#0	-24.78	PASS
Band25	3MHz	16QAM	26675	15RB#0	-26.25	PASS
Band25	5MHz	QPSK	26065	25RB#0	-25.84	PASS
Band25	5MHz	QPSK	26665	25RB#0	-26.27	PASS
Band25	5MHz	16QAM	26065	25RB#0	-26.32	PASS
Band25	5MHz	16QAM	26665	25RB#0	-26.78	PASS
Band25	10MHz	QPSK	26090	50RB#0	-28.74	PASS
Band25	10MHz	QPSK	26640	50RB#0	-31.06	PASS
Band25	10MHz	16QAM	26090	50RB#0	-29.47	PASS
Band25	10MHz	16QAM	26640	50RB#0	-30.83	PASS
Band25	15MHz	QPSK	26115	75RB#0	-30.15	PASS
Band25	15MHz	QPSK	26615	75RB#0	-29.97	PASS
Band25	15MHz	16QAM	26115	75RB#0	-29.88	PASS
Band25	15MHz	16QAM	26615	75RB#0	-31.58	PASS
Band25	20MHz	QPSK	26140	100RB#0	-29.30	PASS
Band25	20MHz	QPSK	26590	100RB#0	-31.23	PASS
Band25	20MHz	16QAM	26140	100RB#0	-29.16	PASS
Band25	20MHz	16QAM	26590	100RB#0	-31.47	PASS

Test Graphs

Band25-1.4MHz-QPSK-26047-6RB#0


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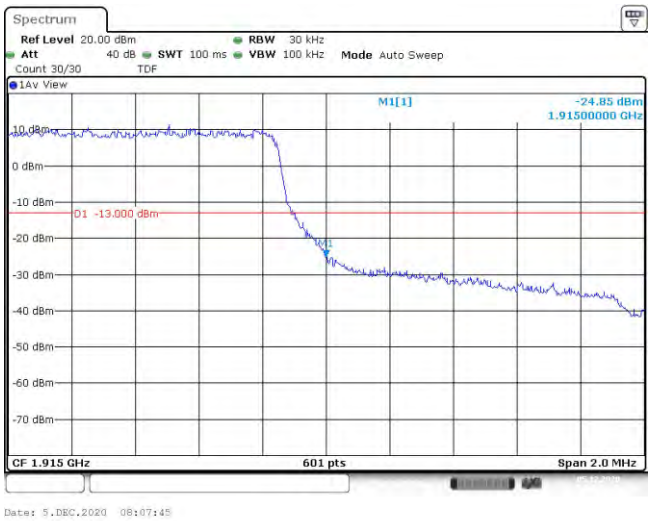

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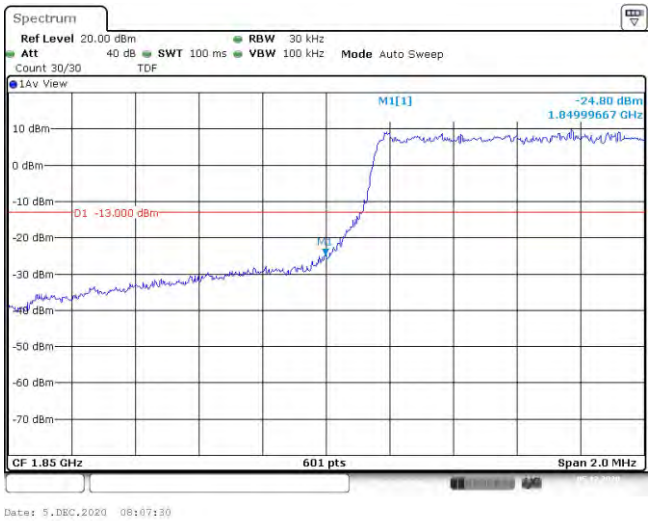
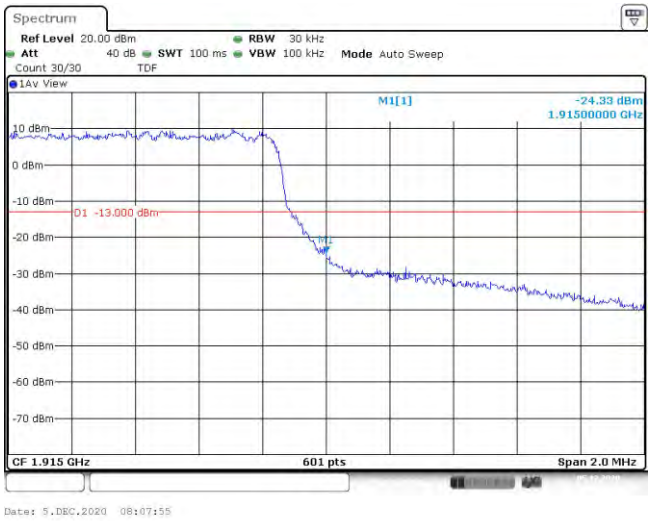


Band25-1.4MHz-16QAM-26683-6RB#0



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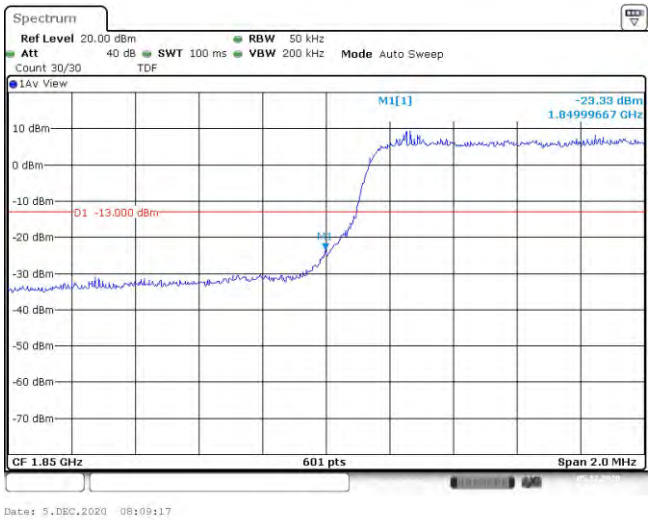

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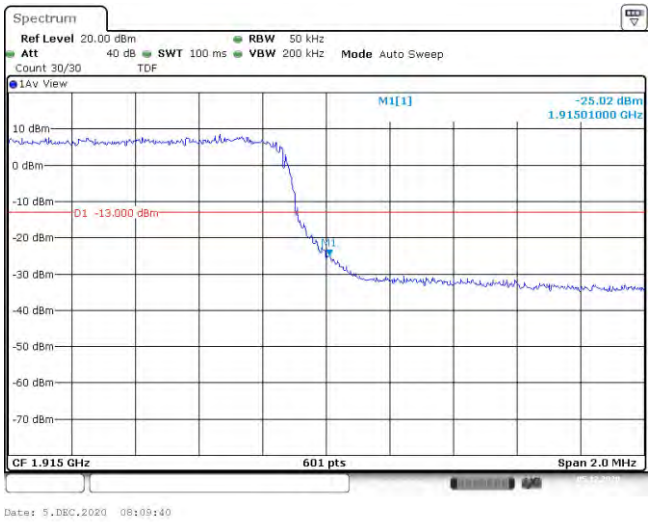

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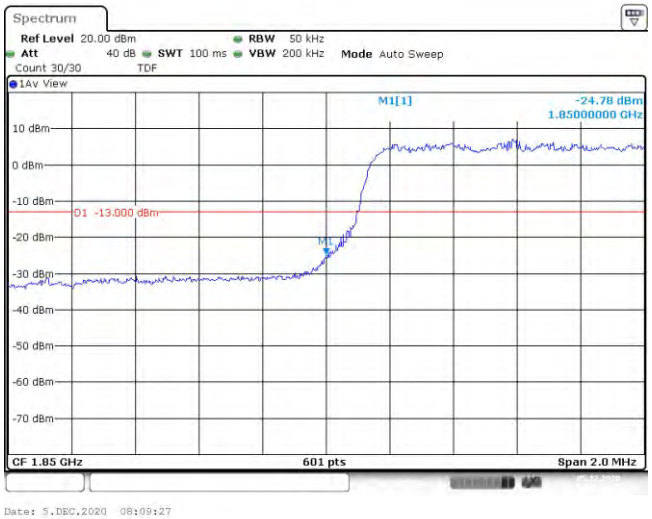

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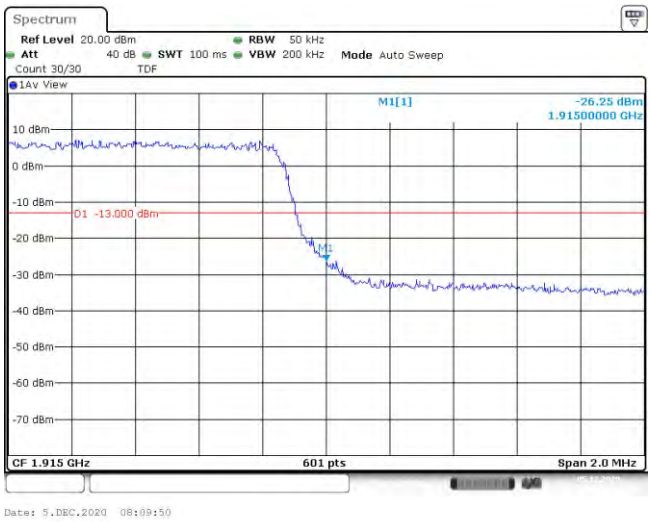

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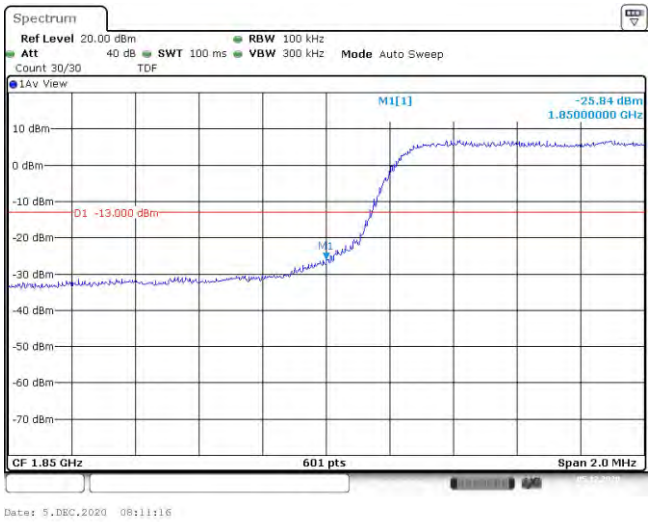

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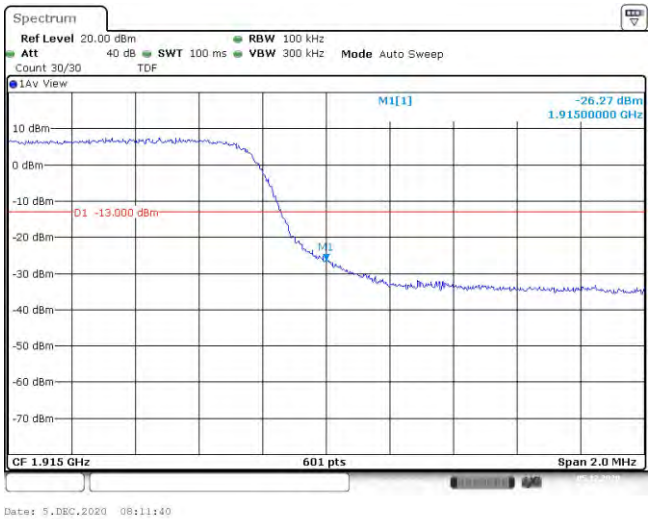

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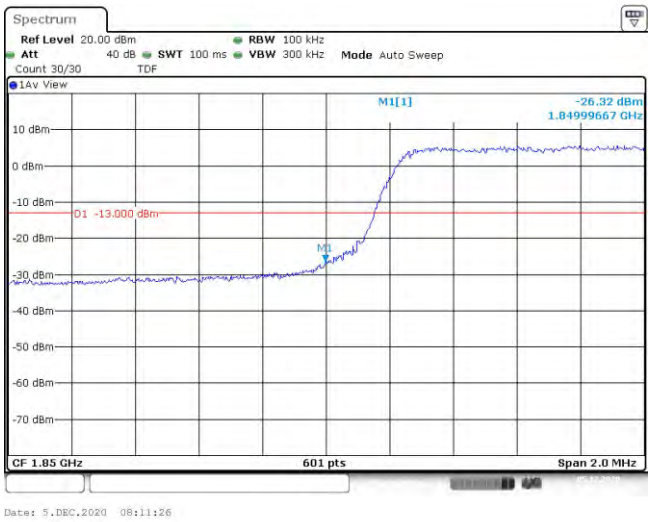

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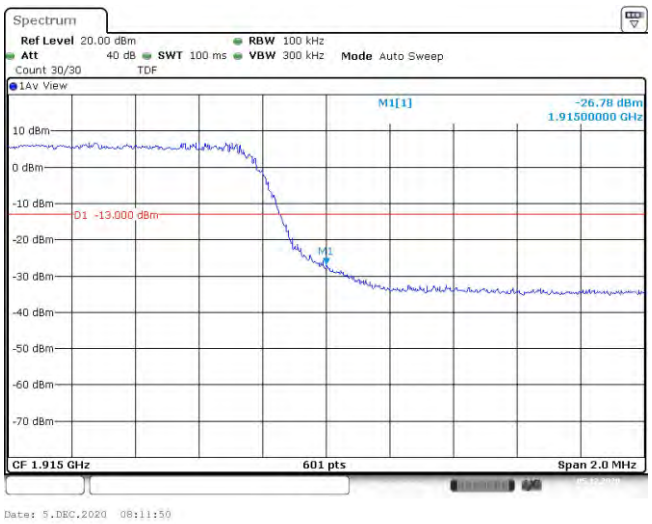

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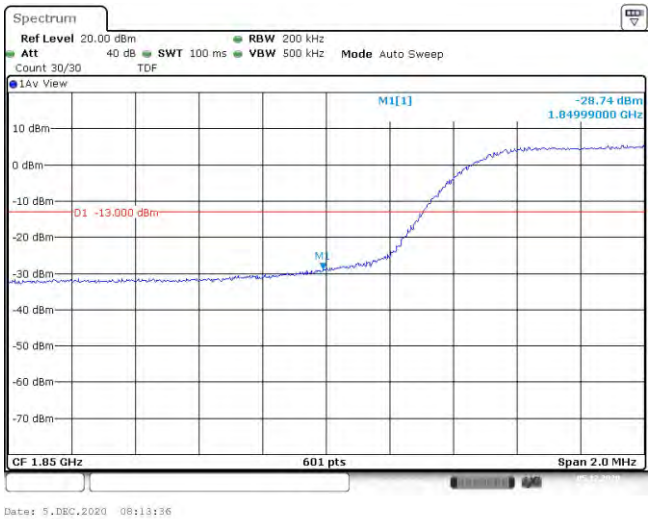

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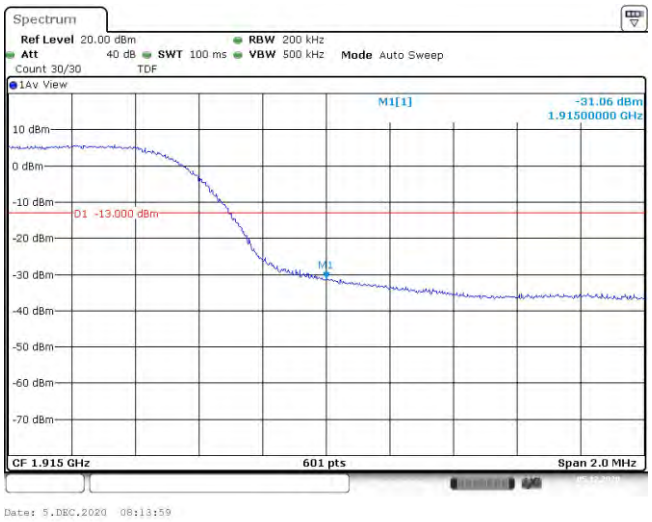

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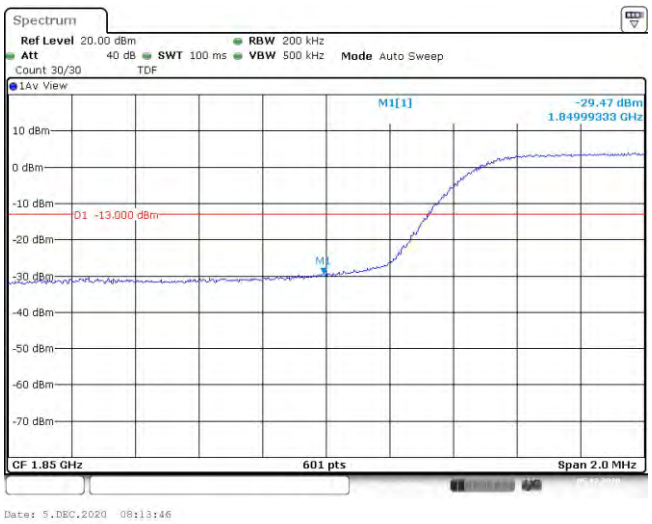

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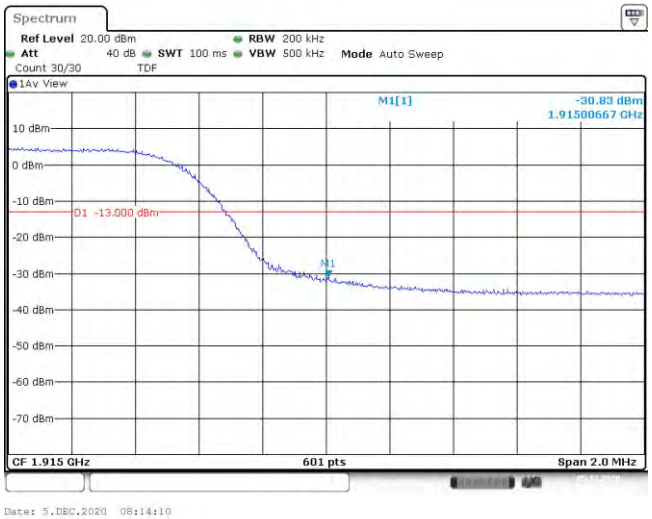

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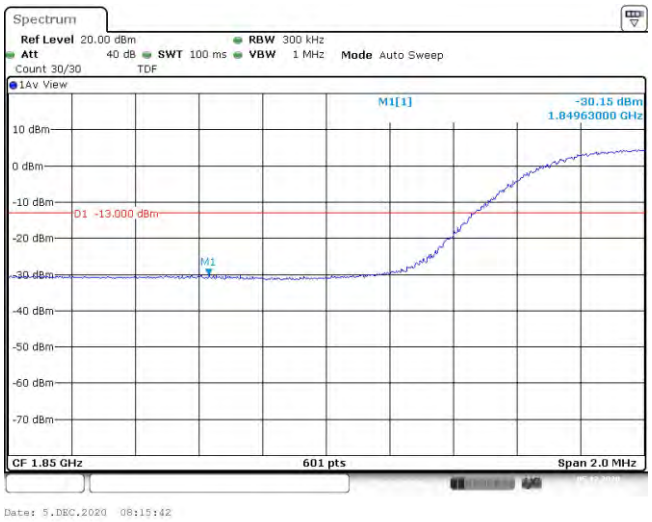

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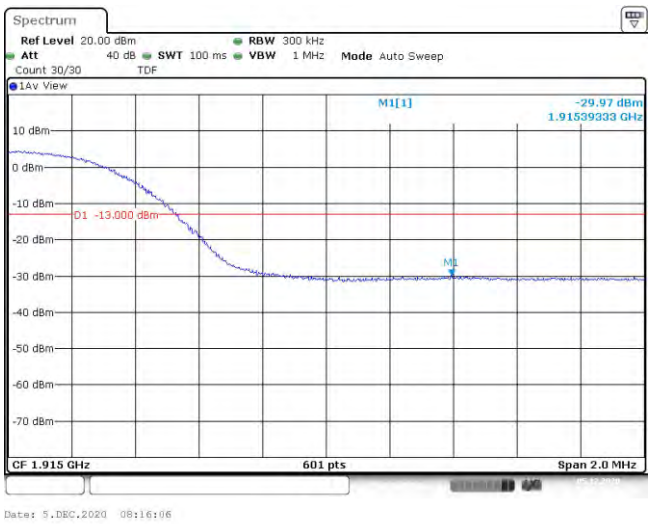
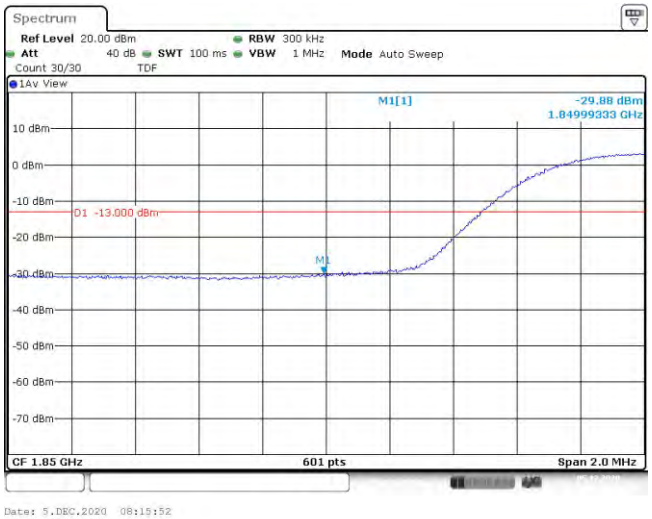


Band25-15MHz-16QAM-26115-75RB#0



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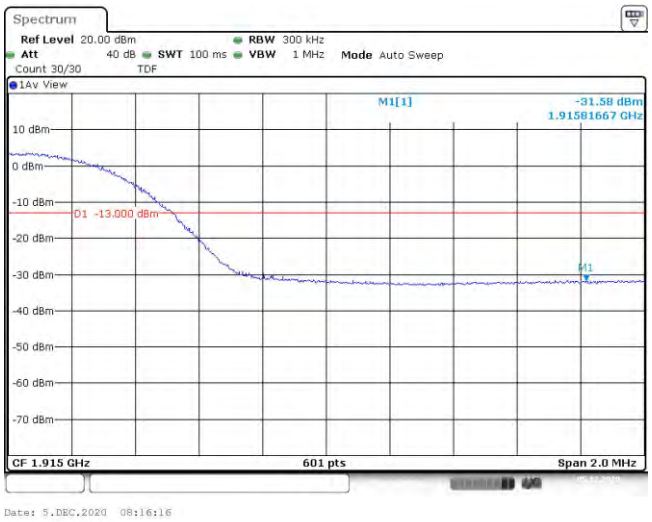

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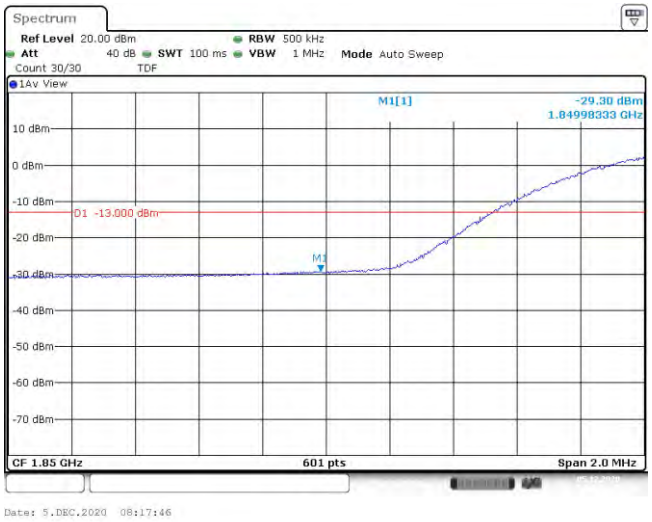

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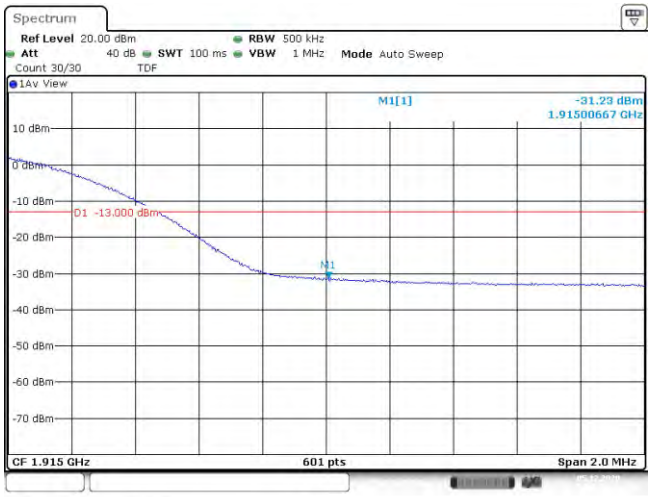

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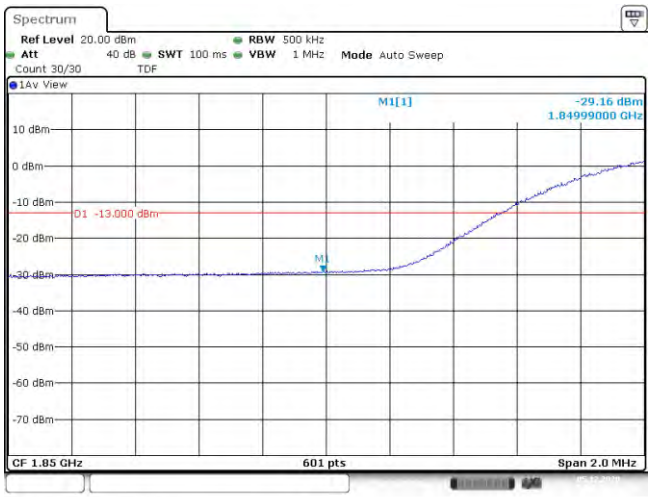

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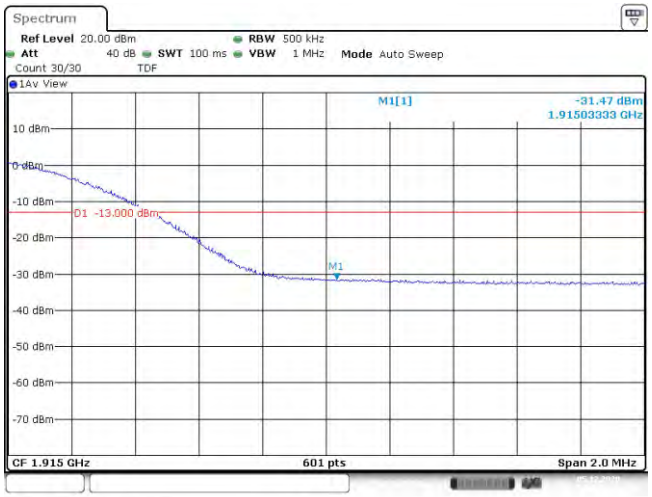

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