

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

<i>LTE FDD Band 17</i>				
TX Channel Bandwidth	Channel	RB Size/Offset	Average Power [dBm]	
			QPSK	16QAM
5 MHz	23755	1 RB low	22.39	22.02
		1 RB high	23.11	22.27
		50% RB mid	22.60	21.90
		100% RB	22.94	22.51
	23790	1 RB low	22.76	22.14
		1 RB high	23.42	22.64
		50% RB mid	23.01	22.41
		100% RB	22.25	21.71
	23825	1 RB low	23.19	22.48
		1 RB high	22.21	21.70
		50% RB mid	23.30	22.72
		100% RB	23.22	22.39
10 MHz	23780	1 RB low	23.45	22.81
		1 RB high	22.28	21.84
		50% RB mid	21.84	21.14
		100% RB	22.15	21.49
	23790	1 RB low	21.89	21.41
		1 RB high	21.70	20.96
		50% RB mid	22.10	21.48
		100% RB	21.65	20.82
	23800	1 RB low	22.16	21.60
		1 RB high	23.21	22.57
		50% RB mid	22.84	22.26
		100% RB	22.40	21.74

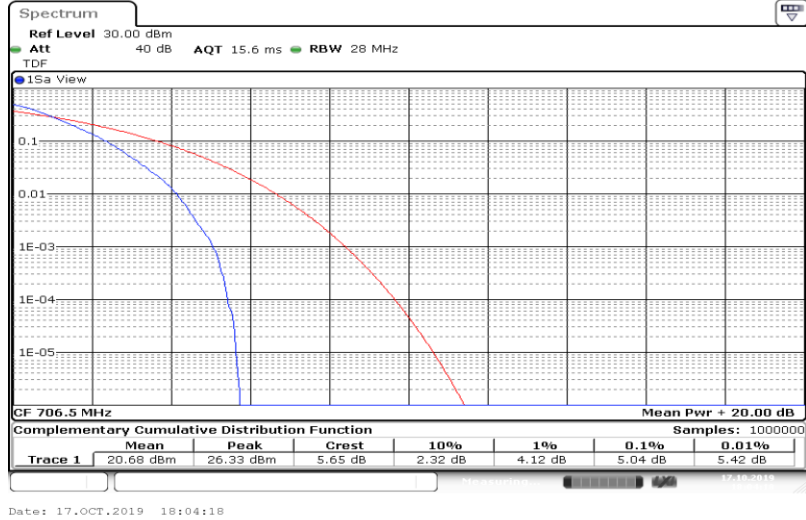
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

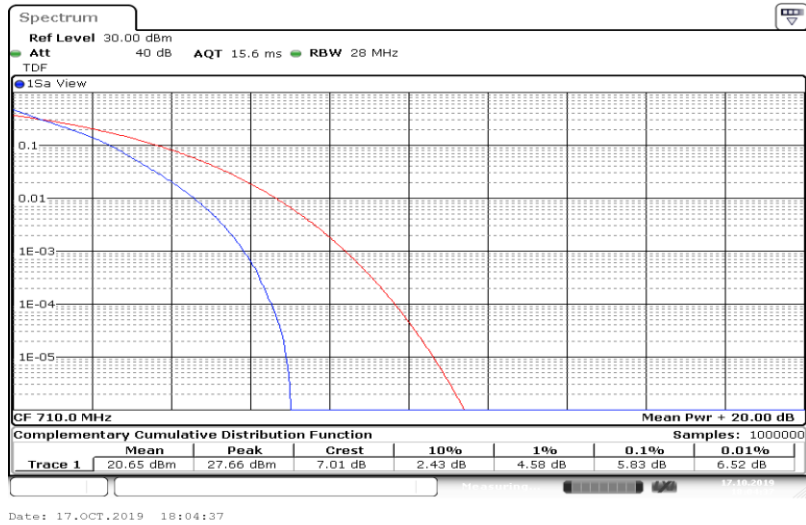
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	5.04	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.83	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.33	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	5.80	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.49	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.17	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.59	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.65	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.74	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.26	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.41	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.43	13	PASS

Test Graphs

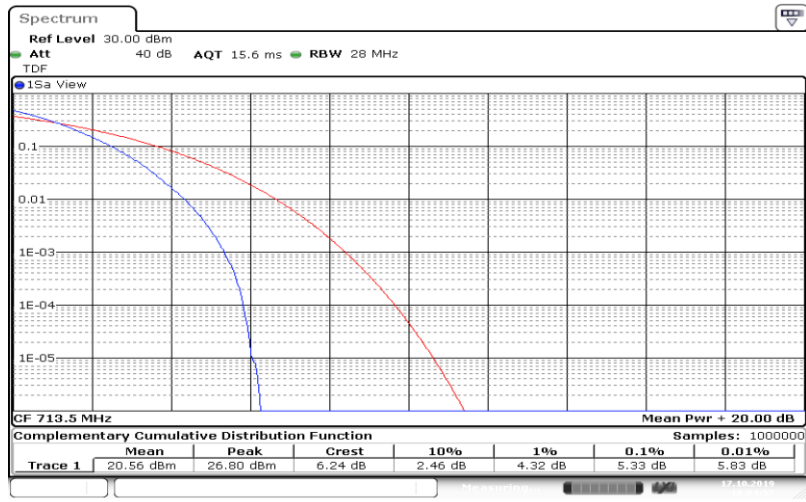
Band17-5MHz-QPSK-23755-25RB#0



Band17-5MHz-QPSK-23790-25RB#0

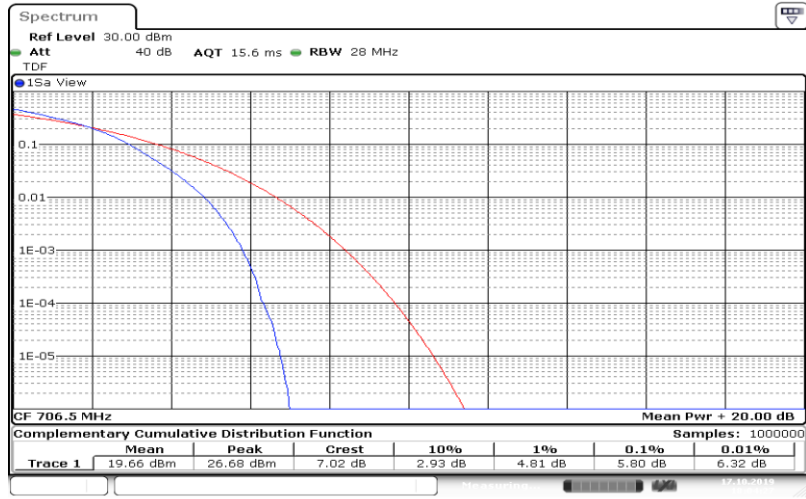


Band17-5MHz-QPSK-23825-25RB#0



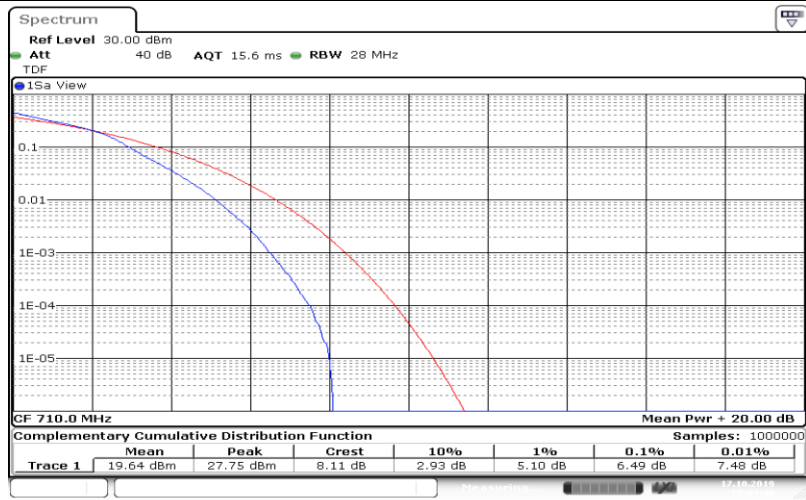
Date: 17.OCT.2019 18:04:57

Band17-5MHz-16QAM-23755-25RB#0



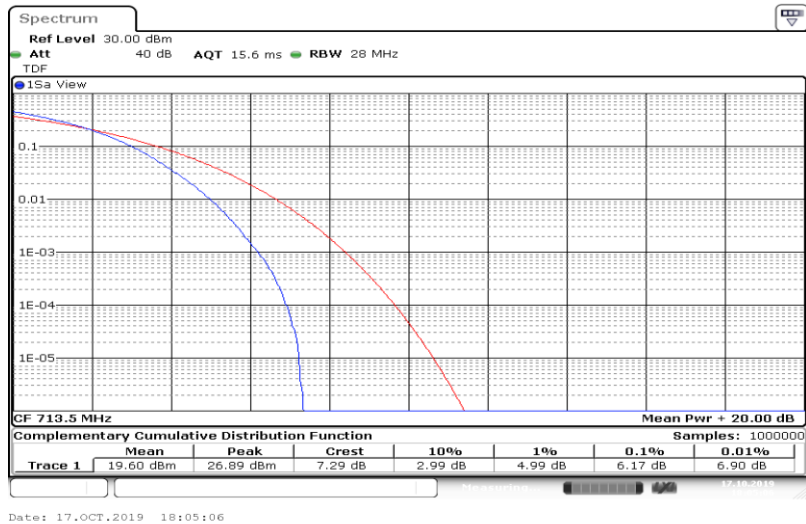
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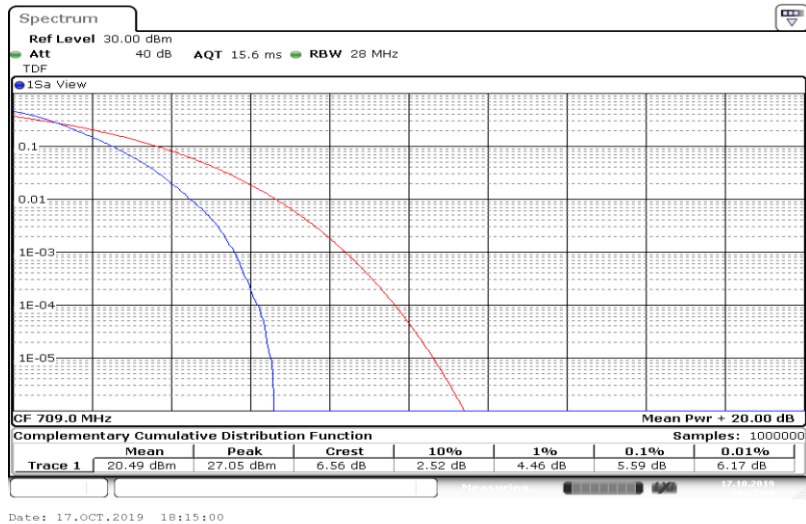


Date: 17.OCT.2019 18:04:46

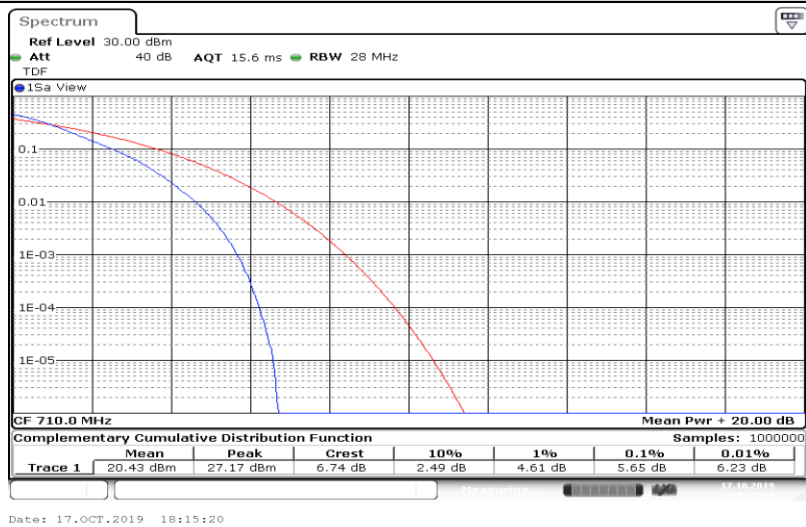
Band17-5MHz-16QAM-23825-25RB#0



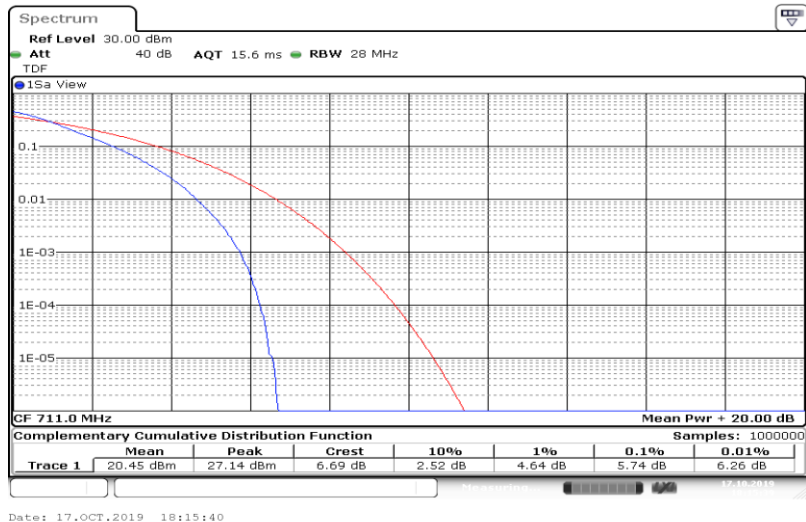
Band17-10MHz-QPSK-23780-50RB#0



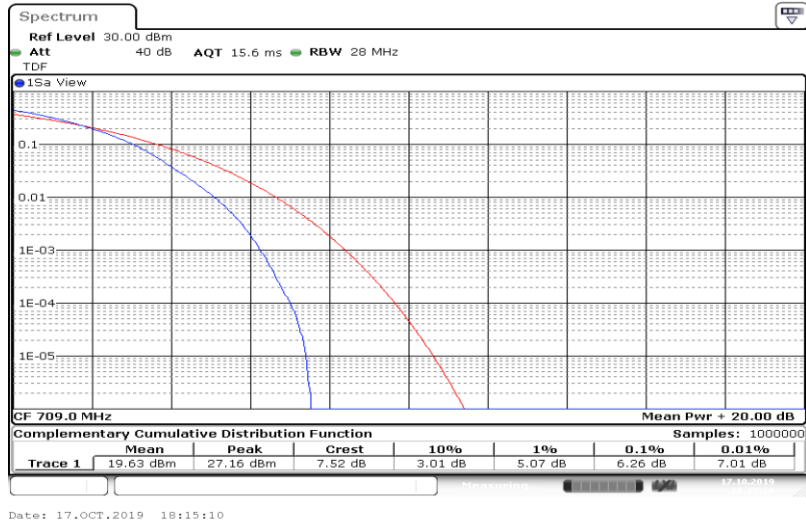
Band17-10MHz-QPSK-23790-50RB#0



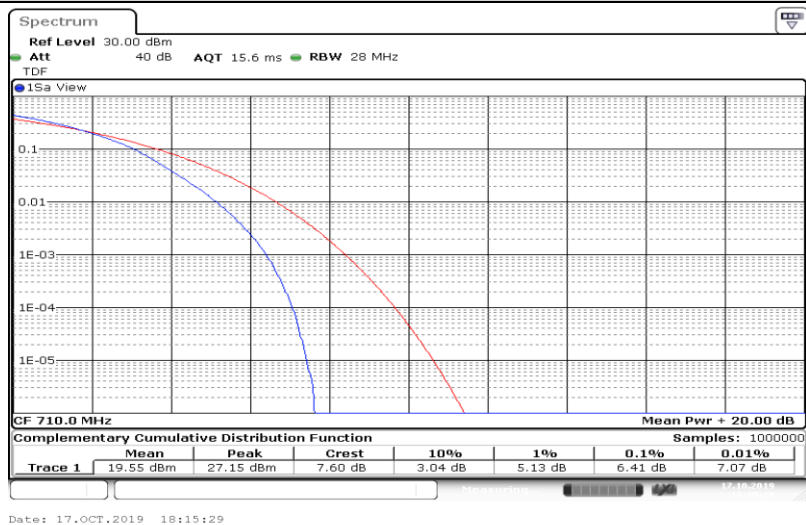
Band17-10MHz-QPSK-23800-50RB#0



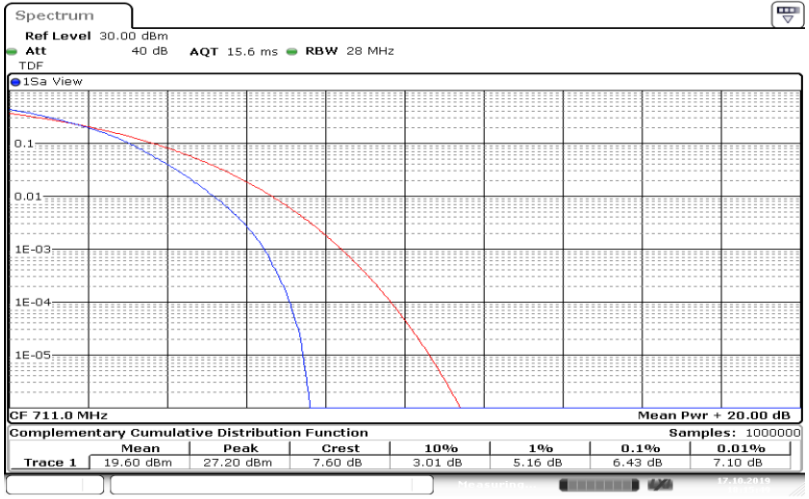
Band17-10MHz-16QAM-23780-50RB#0



Band17-10MHz-16QAM-23790-50RB#0



Band17-10MHz-16QAM-23800-50RB#0



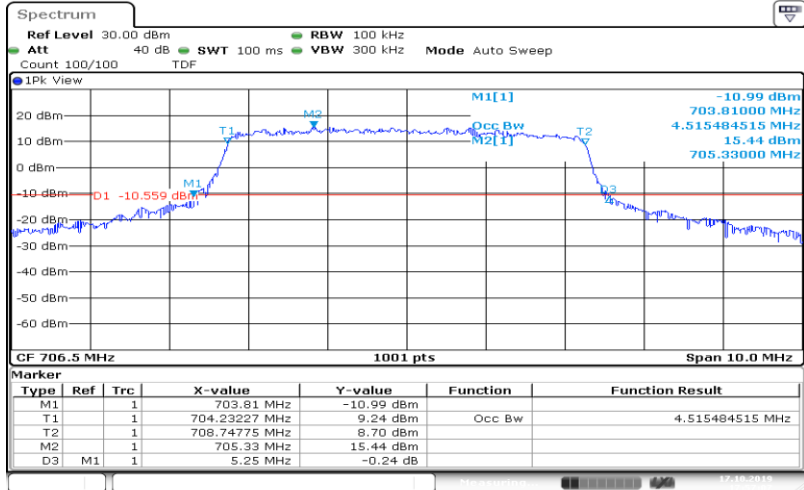
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.515	5.250	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.535	5.540	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.505	5.220	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.486	5.150	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.585	5.690	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.545	5.500	PASS
Band17	10MHz	QPSK	23780	50RB#0	9.052	10.300	PASS
Band17	10MHz	QPSK	23790	50RB#0	9.052	10.233	PASS
Band17	10MHz	QPSK	23800	50RB#0	9.052	10.267	PASS
Band17	10MHz	16QAM	23780	50RB#0	9.052	10.567	PASS
Band17	10MHz	16QAM	23790	50RB#0	9.085	10.267	PASS
Band17	10MHz	16QAM	23800	50RB#0	9.052	10.233	PASS

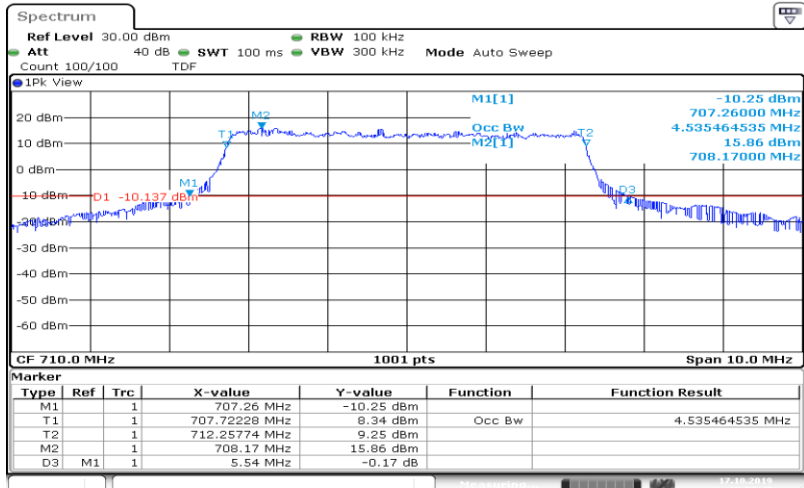
Test Graphs

Band17-5MHz-QPSK-23755-25RB#0-4.515



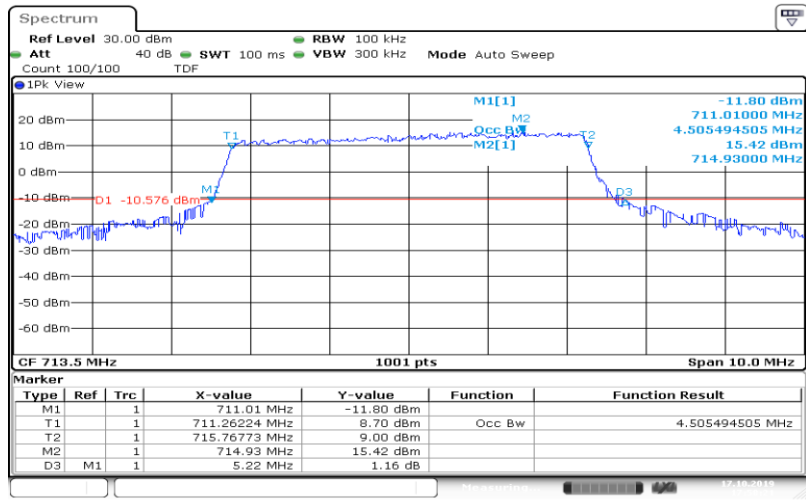
Date: 17.OCT.2019 17:57:07

Band17-5MHz-QPSK-23790-25RB#0-4.535

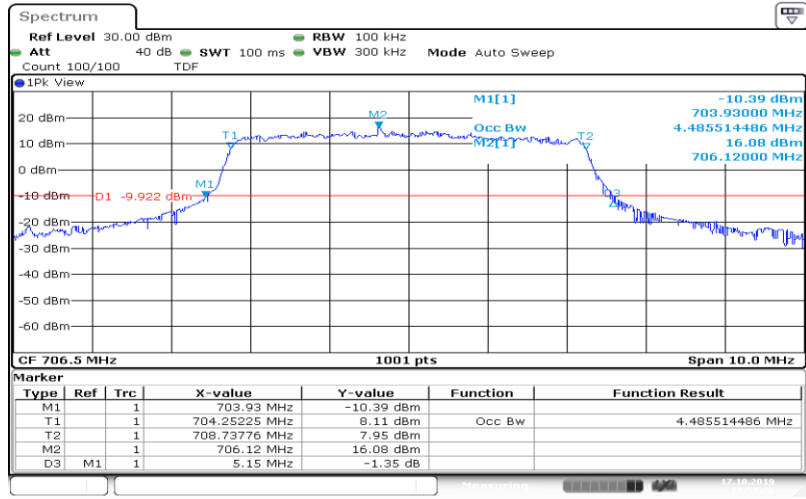


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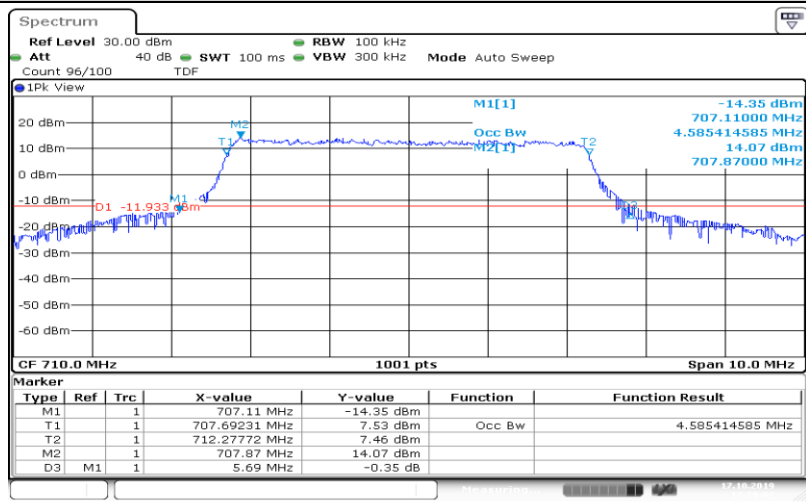
Band17-5MHz-QPSK-23825-25RB#0-4.505



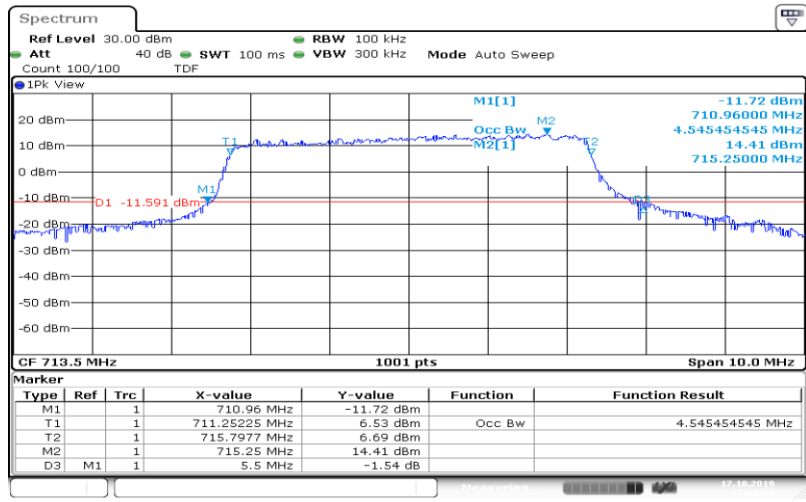
Band17-5MHz-16QAM-23755-25RB#0-4.486



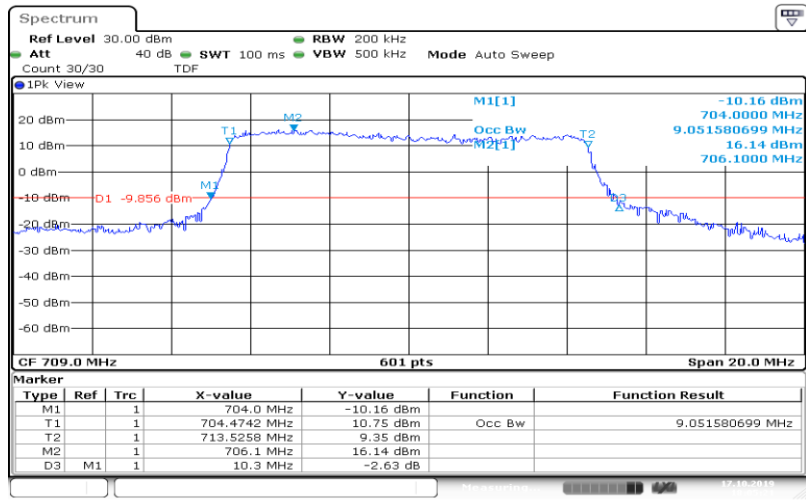
Band17-5MHz-16QAM-23790-25RB#0-4.585



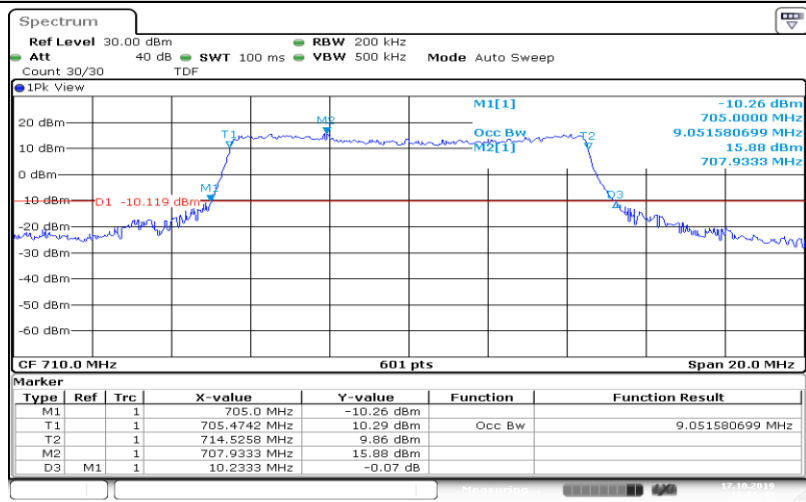
Band17-5MHz-16QAM-23825-25RB#0-4.545



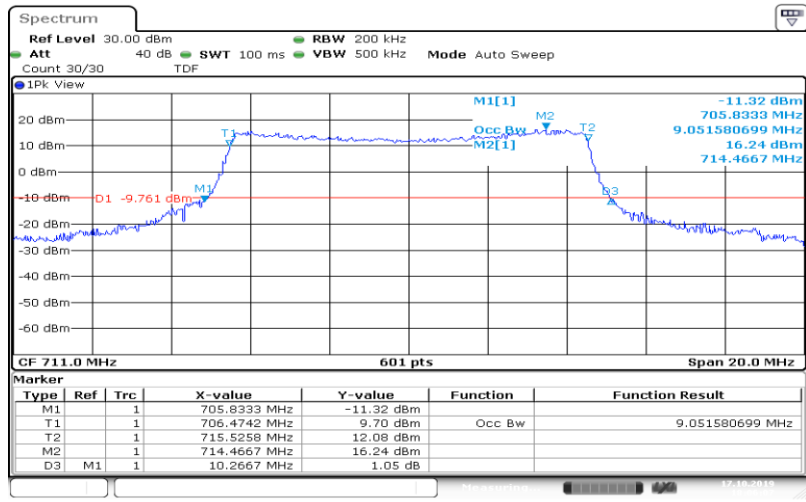
Band17-10MHz-QPSK-23780-50RB#0-9.052



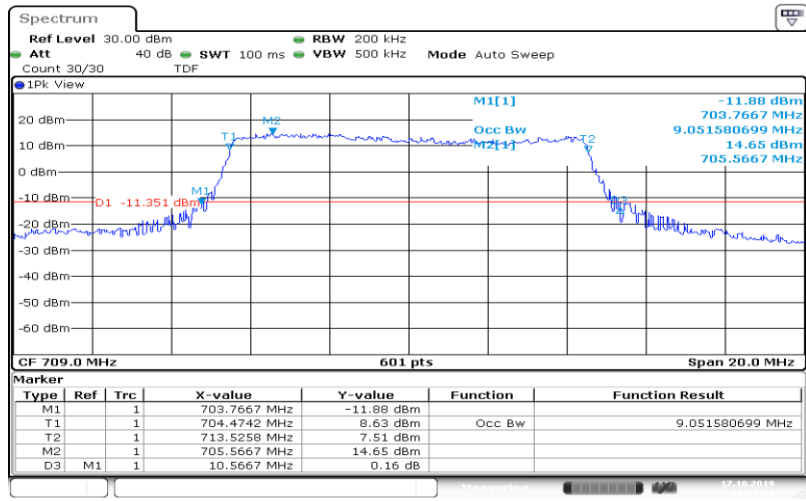
Band17-10MHz-QPSK-23790-50RB#0-9.052



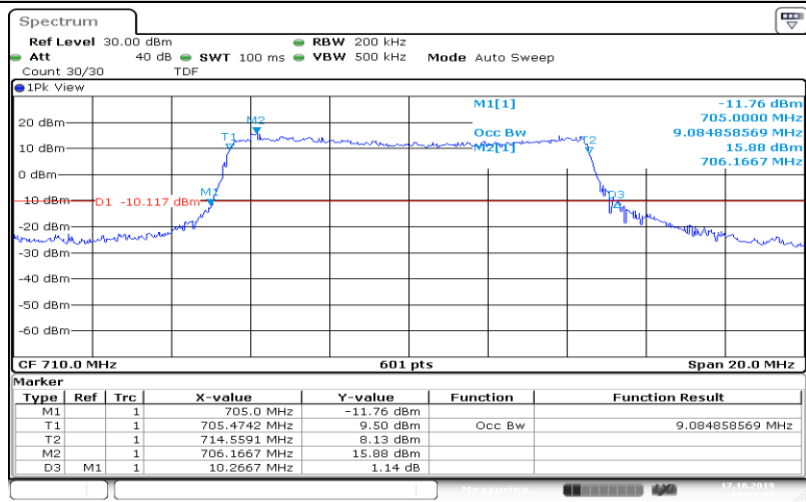
Band17-10MHz-QPSK-23800-50RB#0-9.052



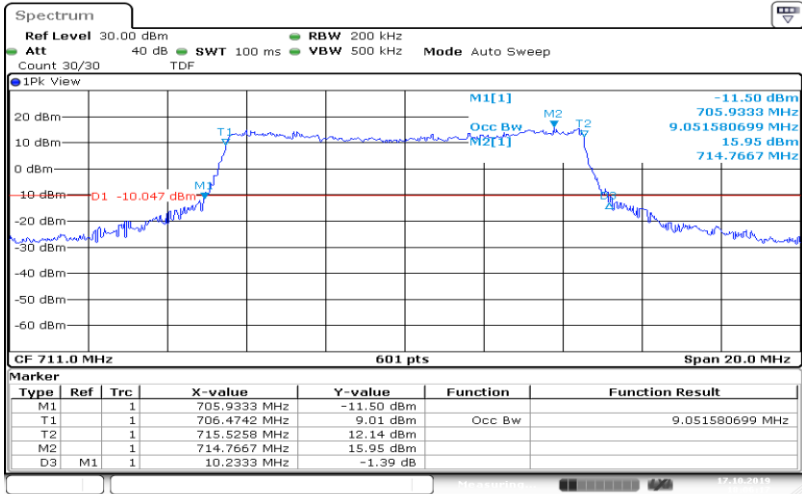
Band17-10MHz-16QAM-23780-50RB#0-9.052



Band17-10MHz-16QAM-23790-50RB#0-9.085



Band17-10MHz-16QAM-23800-50RB#0-9.052



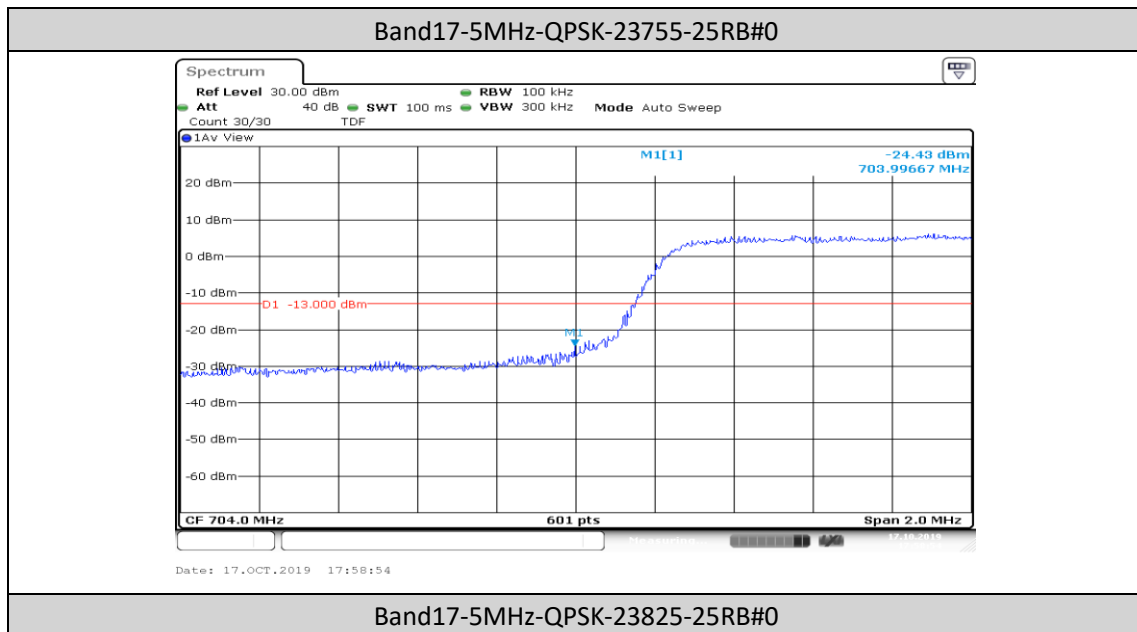
Date: 17.OCT.2019 18:06:17

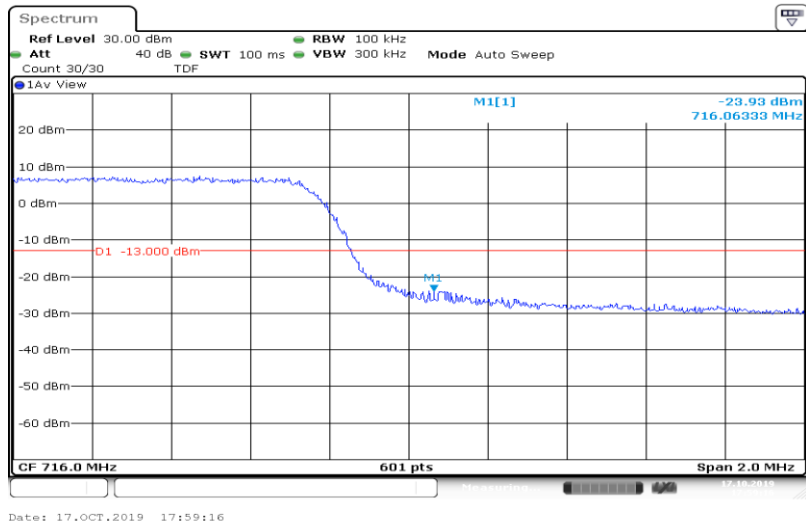
Appendix D: Band Edge

Test Result

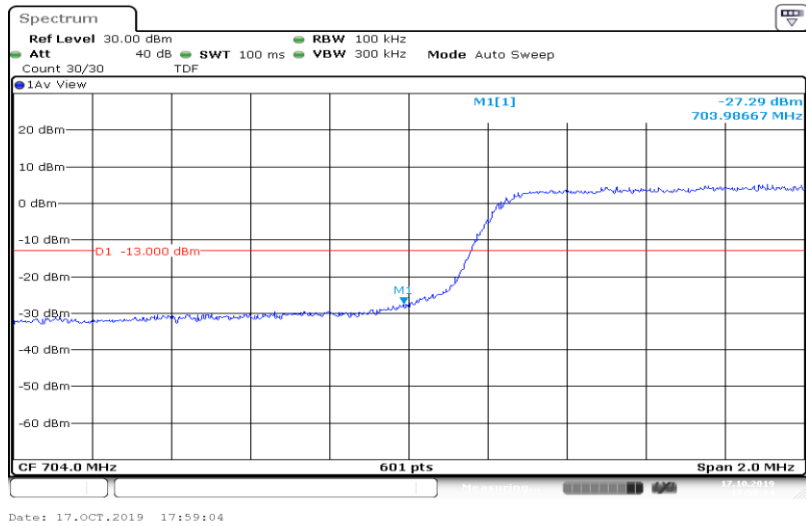
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	-24.43	PASS
Band17	5MHz	QPSK	23825	25RB#0	-23.93	PASS
Band17	5MHz	16QAM	23755	25RB#0	-27.29	PASS
Band17	5MHz	16QAM	23825	25RB#0	-24.23	PASS
Band17	10MHz	QPSK	23780	50RB#0	-28.75	PASS
Band17	10MHz	QPSK	23800	50RB#0	-26.90	PASS
Band17	10MHz	16QAM	23780	50RB#0	-29.49	PASS
Band17	10MHz	16QAM	23800	50RB#0	-28.54	PASS

Test Graphs

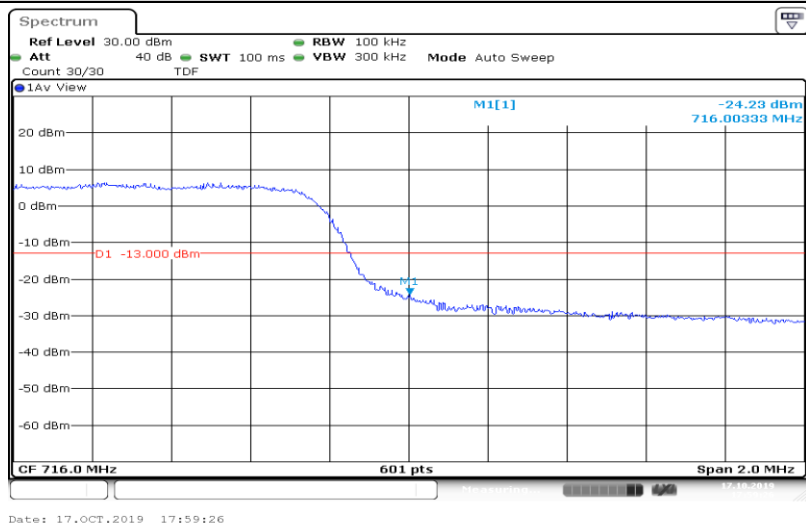




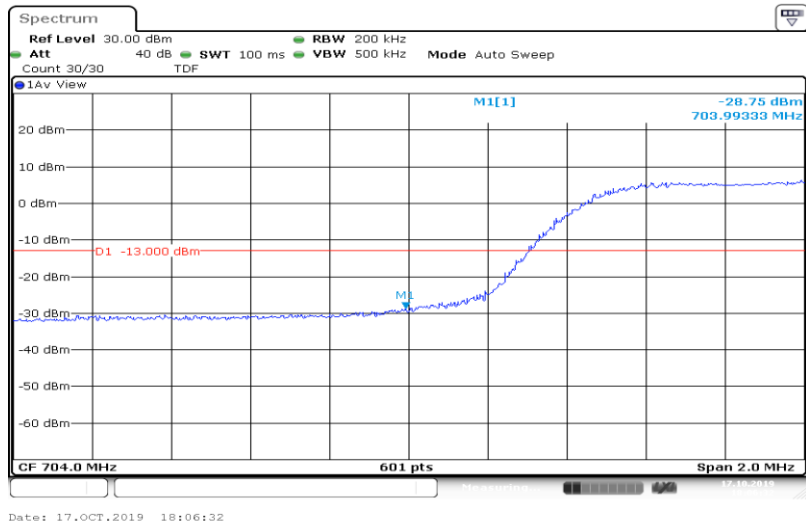
Band17-5MHz-16QAM-23755-25RB#0



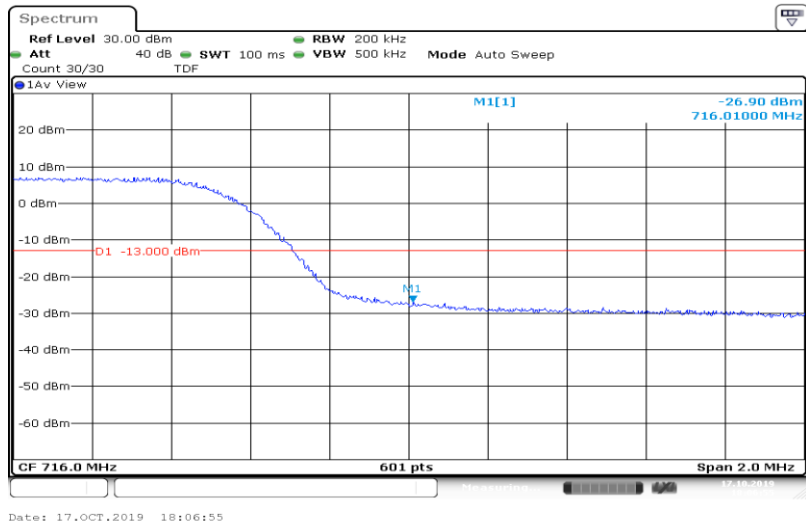
Band17-5MHz-16QAM-23825-25RB#0



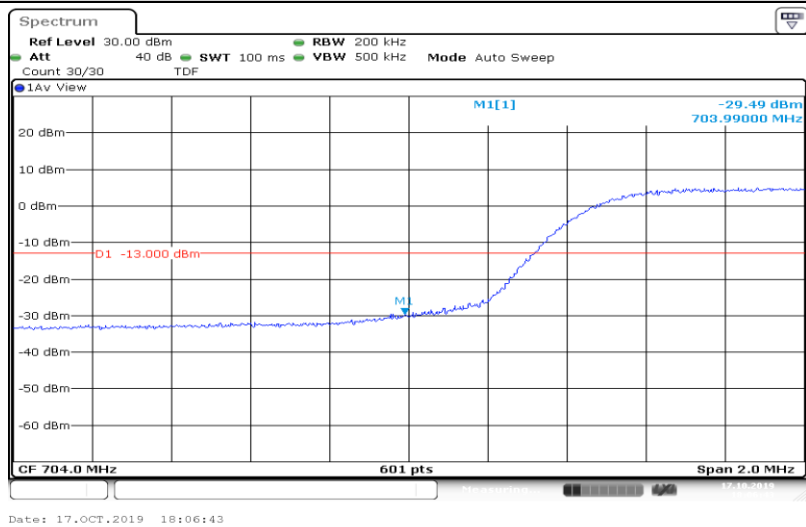
Band17-10MHz-QPSK-23780-50RB#0



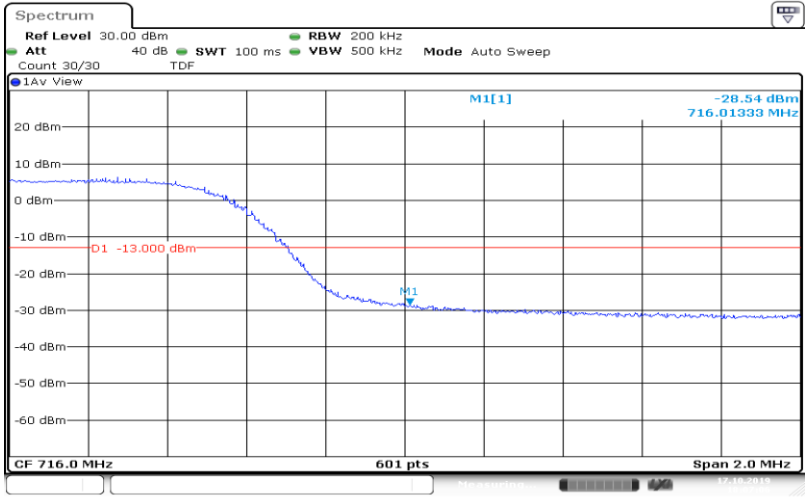
Band17-10MHz-QPSK-23800-50RB#0



Band17-10MHz-16QAM-23780-50RB#0



Band17-10MHz-16QAM-23800-50RB#0



Date: 17.OCT.2019 18:07:06

Appendix E: Conducted Spurious Emission

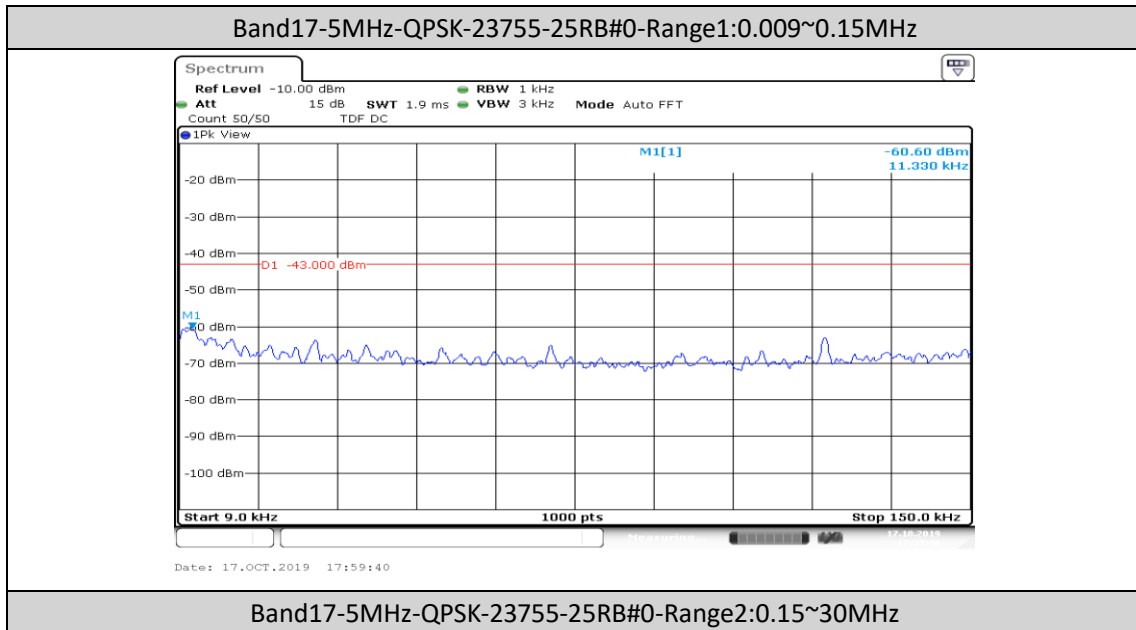
Test Result

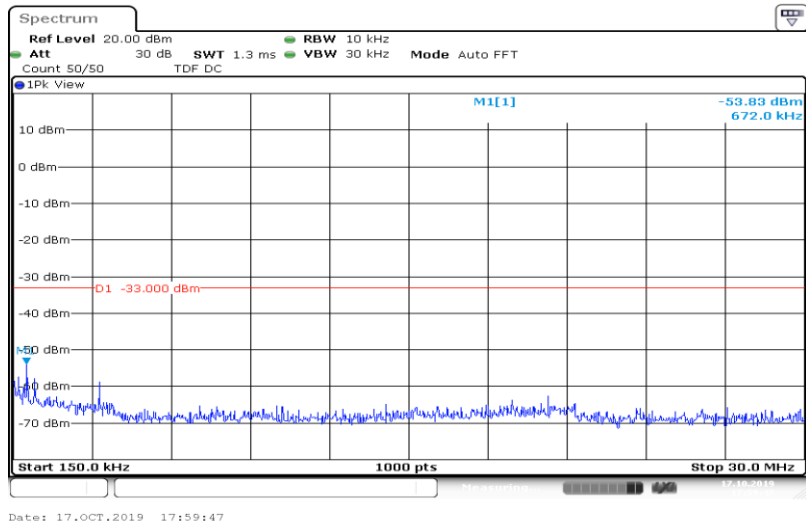
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band1 7	5MHz	QPSK	23755	25RB#0	Range1:0.009~0.15MHz	-60.6	PASS
Band1 7	5MHz	QPSK	23755	25RB#0	Range2:0.15~30MHz	-53.8 3	PASS
Band1 7	5MHz	QPSK	23755	25RB#0	Range3:30~1000MHz	-37.1 4	PASS
Band1 7	5MHz	QPSK	23755	25RB#0	Range4:1000~10000MHz	-43.1 7	PASS
Band1 7	5MHz	QPSK	23790	25RB#0	Range1:0.009~0.15MHz	-61.1	PASS
Band1 7	5MHz	QPSK	23790	25RB#0	Range2:0.15~30MHz	-54.2 8	PASS
Band1 7	5MHz	QPSK	23790	25RB#0	Range3:30~1000MHz	-37.1 2	PASS
Band1 7	5MHz	QPSK	23790	25RB#0	Range4:1000~10000MHz	-41.7 5	PASS
Band1 7	5MHz	QPSK	23825	25RB#0	Range1:0.009~0.15MHz	-61.3 6	PASS
Band1 7	5MHz	QPSK	23825	25RB#0	Range2:0.15~30MHz	-53.8 1	PASS
Band1 7	5MHz	QPSK	23825	25RB#0	Range3:30~1000MHz	-37.1 9	PASS
Band1 7	5MHz	QPSK	23825	25RB#0	Range4:1000~10000MHz	-42.4 6	PASS
Band1 7	5MHz	16QAM	23755	25RB#0	Range1:0.009~0.15MHz	-58.5 9	PASS
Band1 7	5MHz	16QAM	23755	25RB#0	Range2:0.15~30MHz	-54.1 8	PASS
Band1 7	5MHz	16QAM	23755	25RB#0	Range3:30~1000MHz	-35.2 2	PASS
Band1 7	5MHz	16QAM	23755	25RB#0	Range4:1000~10000MHz	-39.9 8	PASS
Band1 7	5MHz	16QAM	23790	25RB#0	Range1:0.009~0.15MHz	-58.5 2	PASS
Band1	5MHz	16QAM	23790	25RB#0	Range2:0.15~30MHz	-54	PASS

7							
Band1 7	5MHz	16QAM	23790	25RB#0	Range3:30~1000MHz	-36.6 3	PASS
Band1 7	5MHz	16QAM	23790	25RB#0	Range4:1000~10000M Hz	-41.7 3	PASS
Band1 7	5MHz	16QAM	23825	25RB#0	Range1:0.009~0.15MH z	-56.7 8	PASS
Band1 7	5MHz	16QAM	23825	25RB#0	Range2:0.15~30MHz	-53.5 9	PASS
Band1 7	5MHz	16QAM	23825	25RB#0	Range3:30~1000MHz	-36.6 6	PASS
Band1 7	5MHz	16QAM	23825	25RB#0	Range4:1000~10000M Hz	-43.1 6	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	Range1:0.009~0.15MH z	-62.0 7	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	Range2:0.15~30MHz	-54.0 2	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	Range3:30~1000MHz	-36.3 8	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	Range4:1000~10000M Hz	-43.4 3	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	Range1:0.009~0.15MH z	-60.4 6	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	Range2:0.15~30MHz	-53.9 3	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	Range3:30~1000MHz	-36.7 7	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	Range4:1000~10000M Hz	-44.1	PASS
Band1 7	10MHz	QPSK	23800	50RB#0	Range1:0.009~0.15MH z	-60.6 1	PASS
Band1 7	10MHz	QPSK	23800	50RB#0	Range2:0.15~30MHz	-53.7 7	PASS
Band1 7	10MHz	QPSK	23800	50RB#0	Range3:30~1000MHz	-36.7 1	PASS
Band1 7	10MHz	QPSK	23800	50RB#0	Range4:1000~10000M Hz	-44.9 3	PASS
Band1 7	10MHz	16QAM	23780	50RB#0	Range1:0.009~0.15MH z	-60.3 7	PASS
Band1 7	10MHz	16QAM	23780	50RB#0	Range2:0.15~30MHz	-54.4 1	PASS
Band1 7	10MHz	16QAM	23780	50RB#0	Range3:30~1000MHz	-36.1 7	PASS

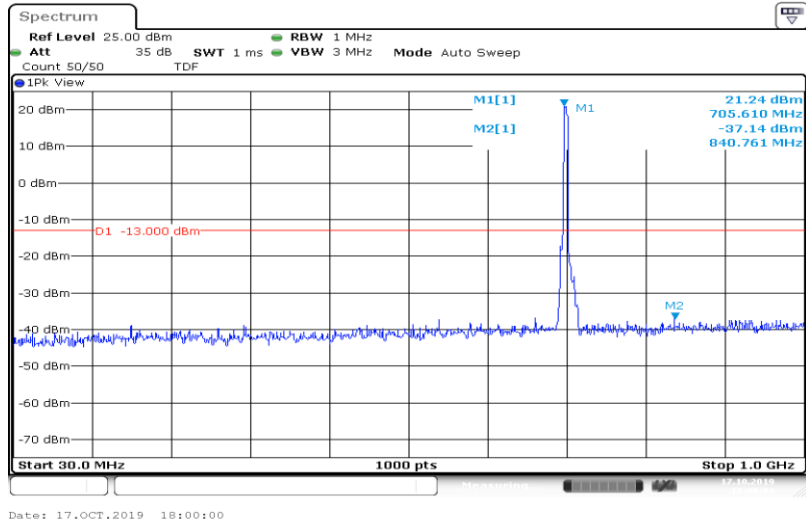
Band1 7	10MHz	16QAM	23780	50RB#0	Range4:1000~10000M Hz	-44.8 9	PASS
Band1 7	10MHz	16QAM	23790	50RB#0	Range1:0.009~0.15MH z	-59.8 5	PASS
Band1 7	10MHz	16QAM	23790	50RB#0	Range2:0.15~30MHz	-54.5 7	PASS
Band1 7	10MHz	16QAM	23790	50RB#0	Range3:30~1000MHz	-36.3 1	PASS
Band1 7	10MHz	16QAM	23790	50RB#0	Range4:1000~10000M Hz	-43.6 4	PASS
Band1 7	10MHz	16QAM	23800	50RB#0	Range1:0.009~0.15MH z	-61.0 1	PASS
Band1 7	10MHz	16QAM	23800	50RB#0	Range2:0.15~30MHz	-53.6 8	PASS
Band1 7	10MHz	16QAM	23800	50RB#0	Range3:30~1000MHz	-36.9 1	PASS
Band1 7	10MHz	16QAM	23800	50RB#0	Range4:1000~10000M Hz	-45.4 7	PASS

Test Graphs

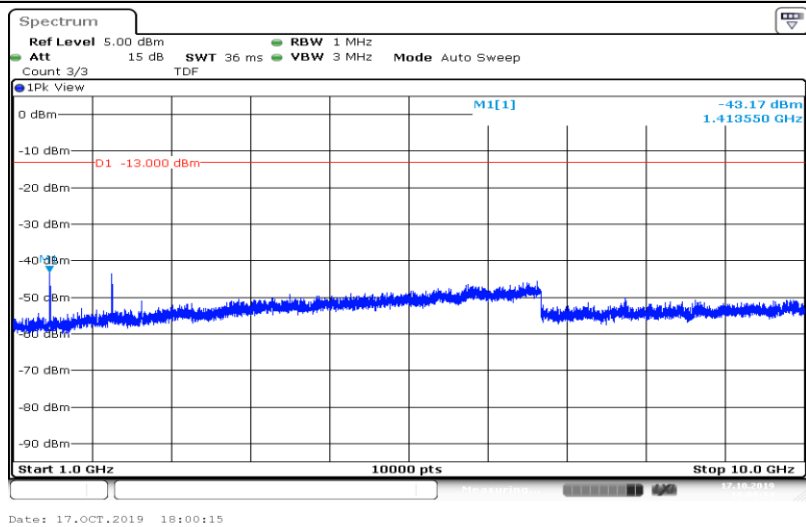




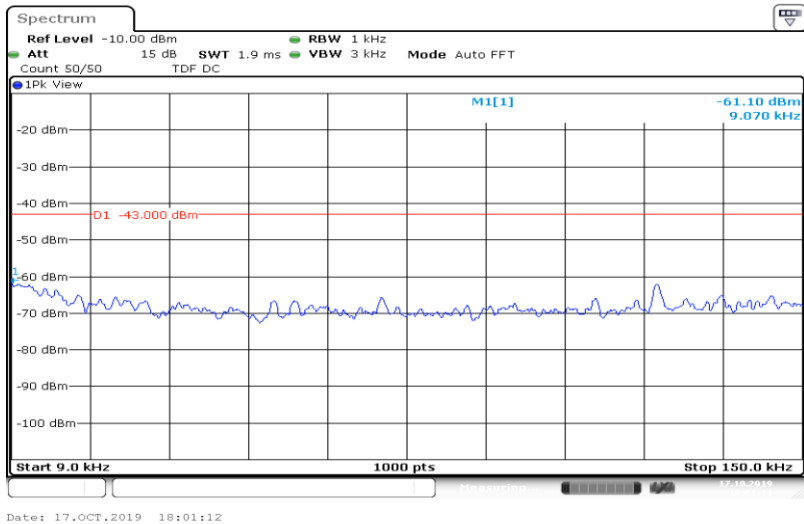
Band17-5MHz-QPSK-23755-25RB#0-Range3:30~1000MHz



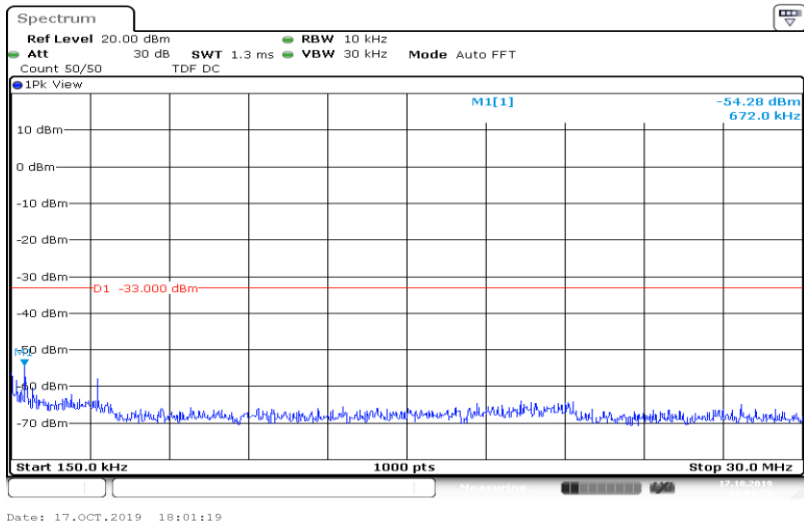
Band17-5MHz-QPSK-23755-25RB#0-Range4:100~10000MHz



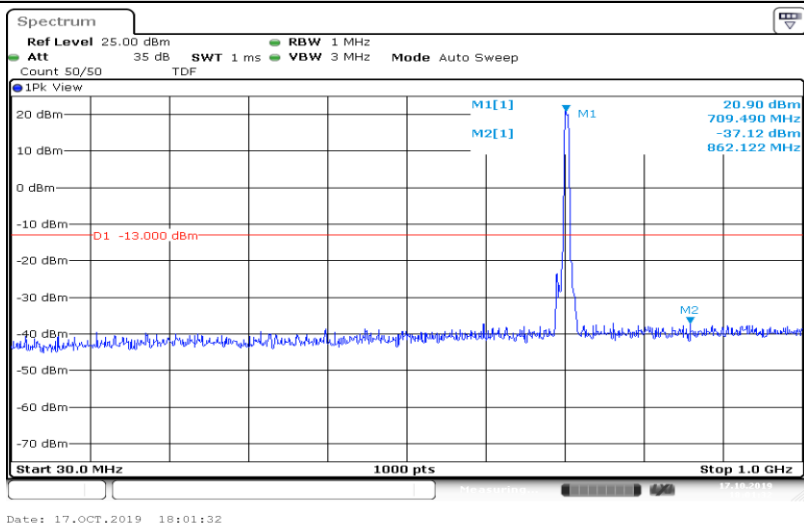
Band17-5MHz-QPSK-23790-25RB#0-Range1:0.009~0.15MHz



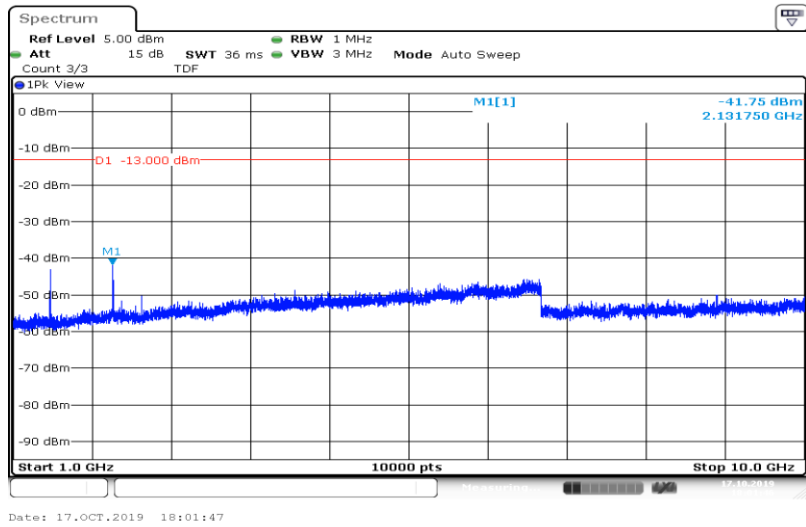
Band17-5MHz-QPSK-23790-25RB#0-Range2:0.15~30MHz



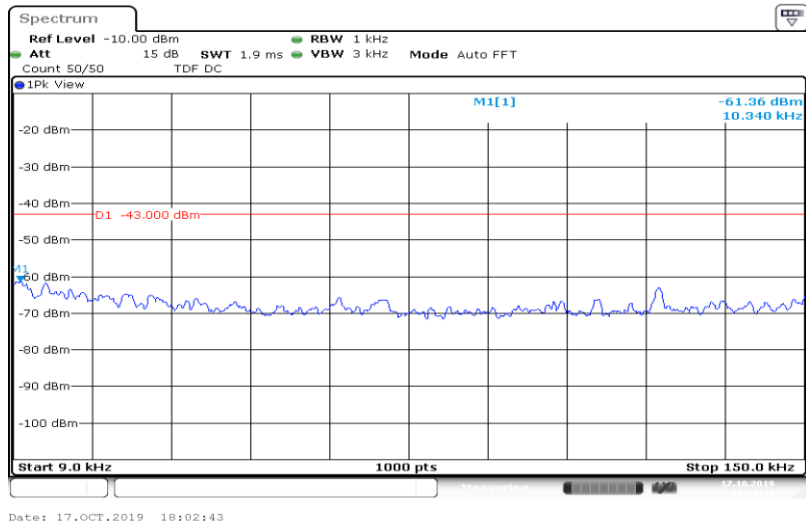
Band17-5MHz-QPSK-23790-25RB#0-Range3:30~1000MHz



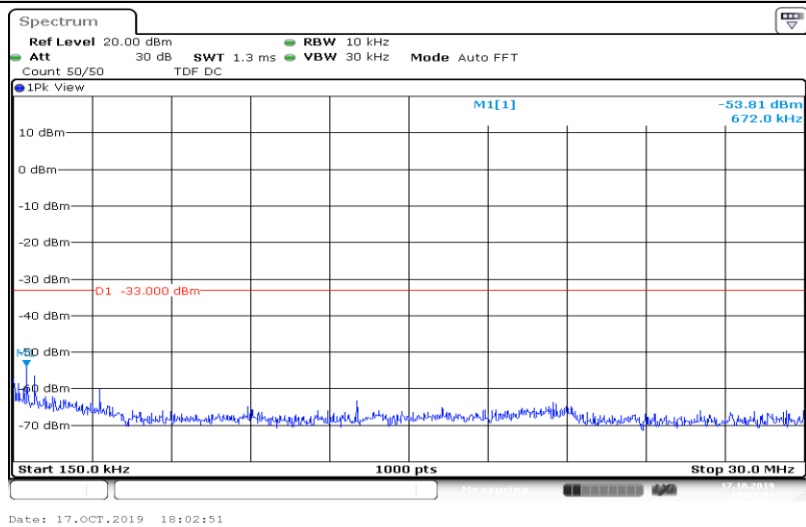
Band17-5MHz-QPSK-23790-25RB#0-Range4:1000~10000MHz



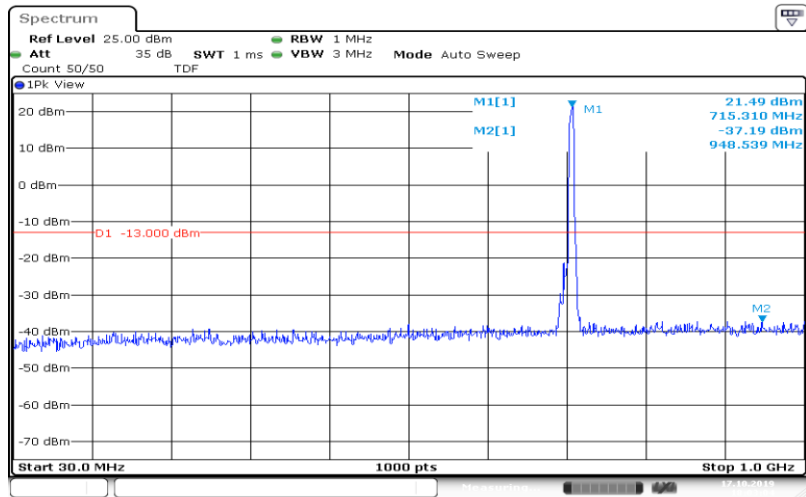
Band17-5MHz-QPSK-23825-25RB#0-Range1:0.009~0.15MHz



Band17-5MHz-QPSK-23825-25RB#0-Range2:0.15~30MHz

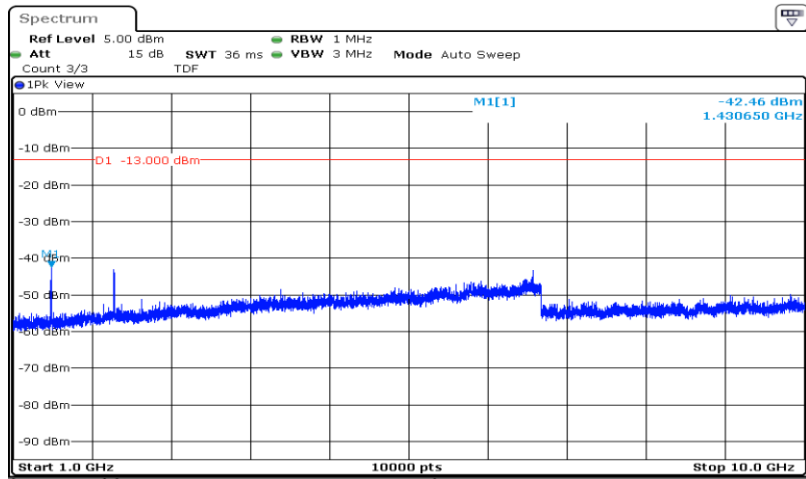


Band17-5MHz-QPSK-23825-25RB#0-Range3:30~1000MHz



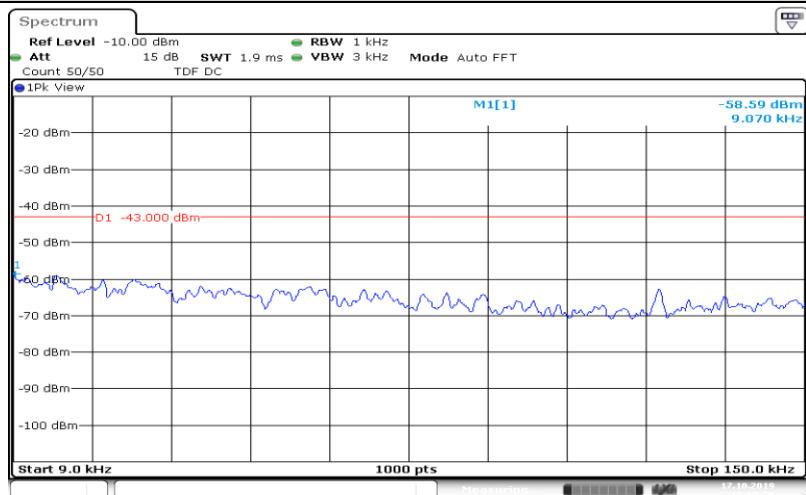
Date: 17.OCT.2019 18:03:04

Band17-5MHz-QPSK-23825-25RB#0-Range4:1000~10000MHz



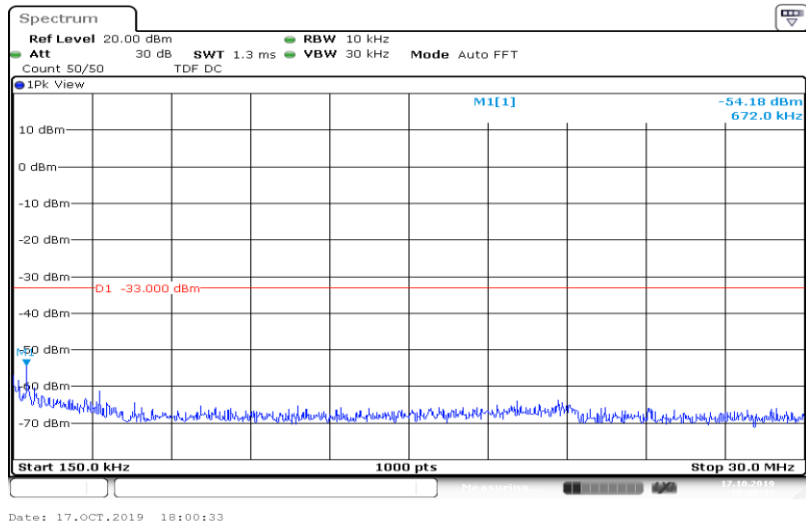
Date: 17.OCT.2019 18:03:18

Band17-5MHz-16QAM-23755-25RB#0-Range1:0.009~0.15MHz

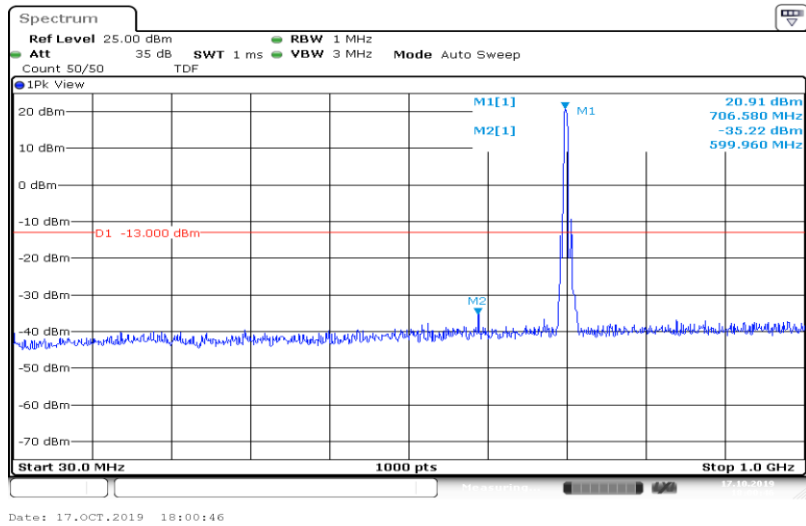


Date: 17.OCT.2019 18:00:25

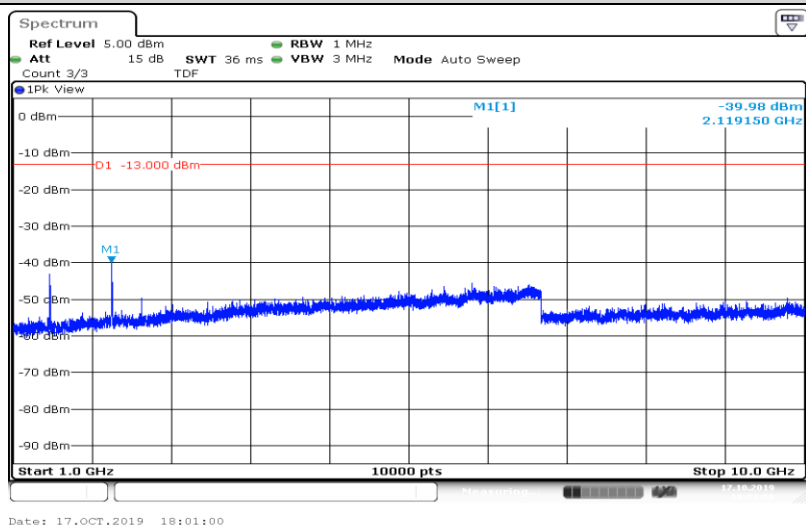
Band17-5MHz-16QAM-23755-25RB#0-Range2:0.15~30MHz



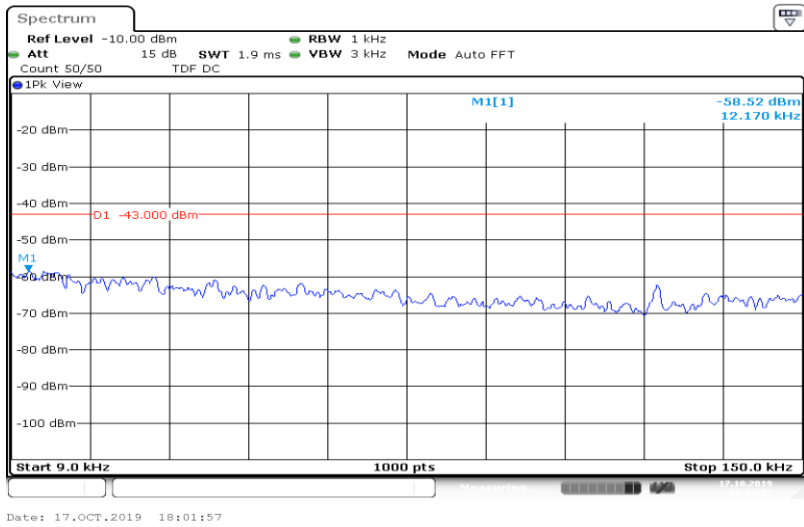
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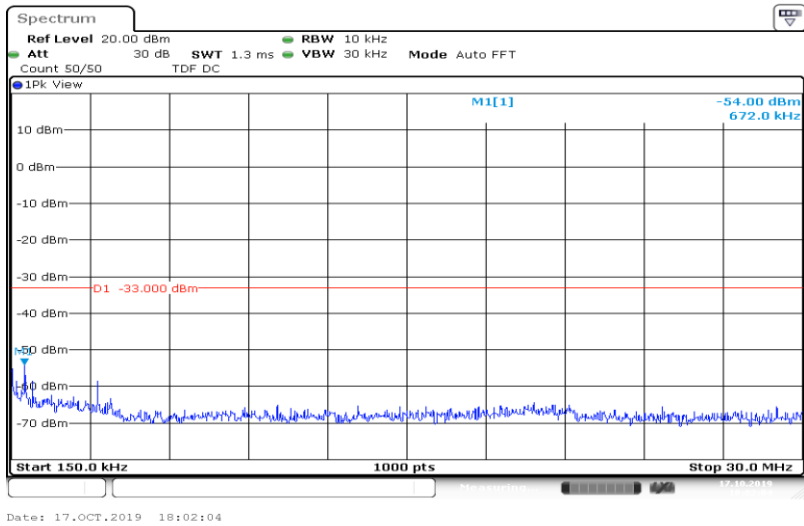
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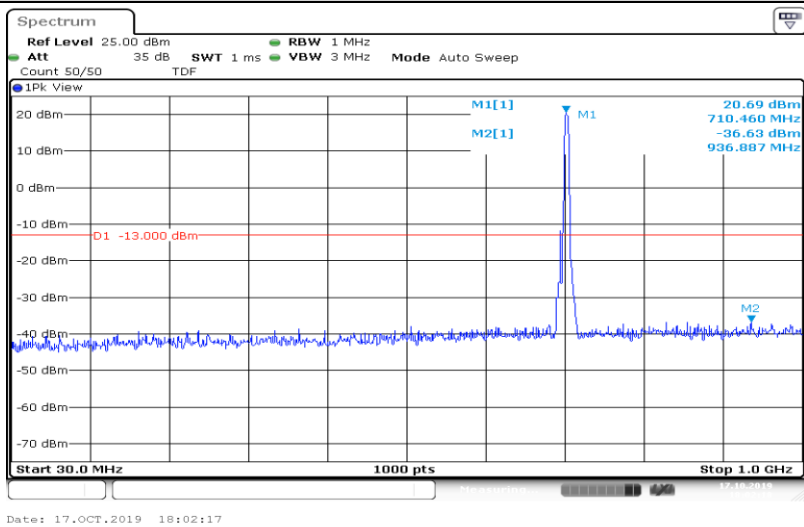
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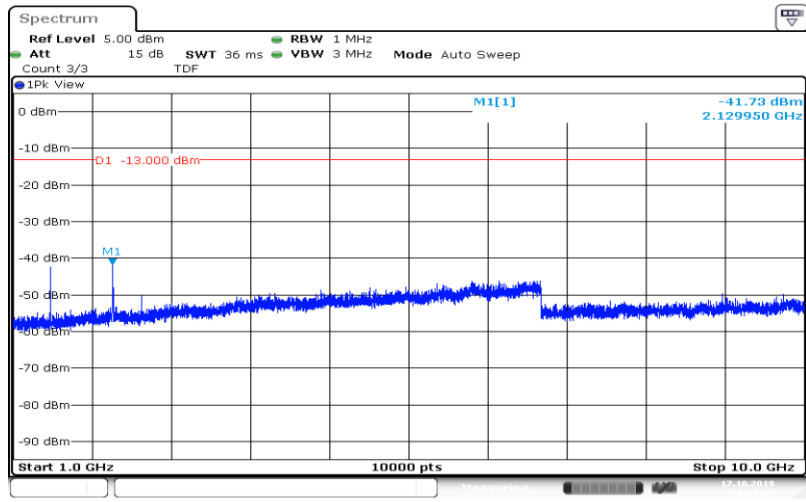
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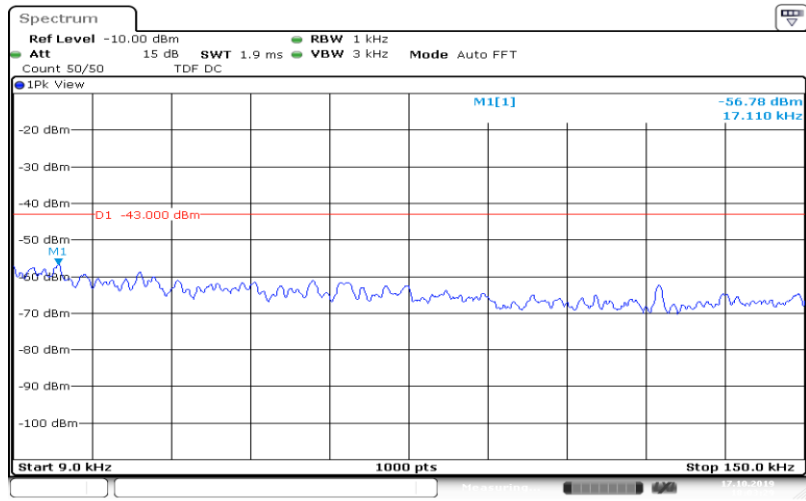
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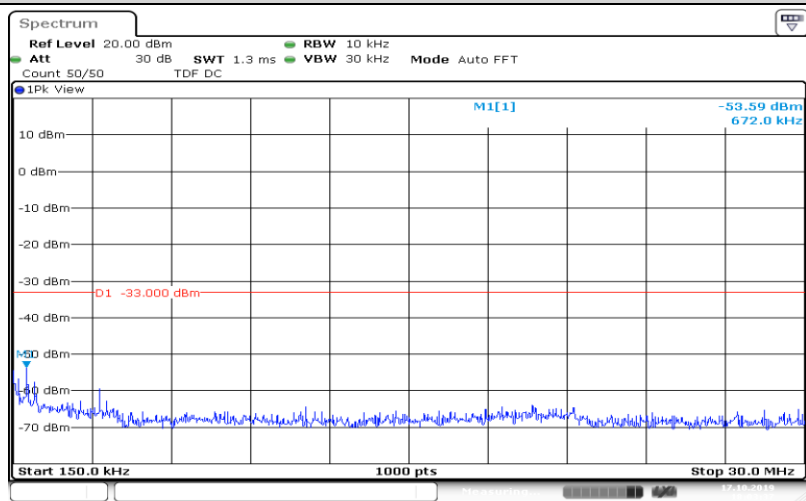
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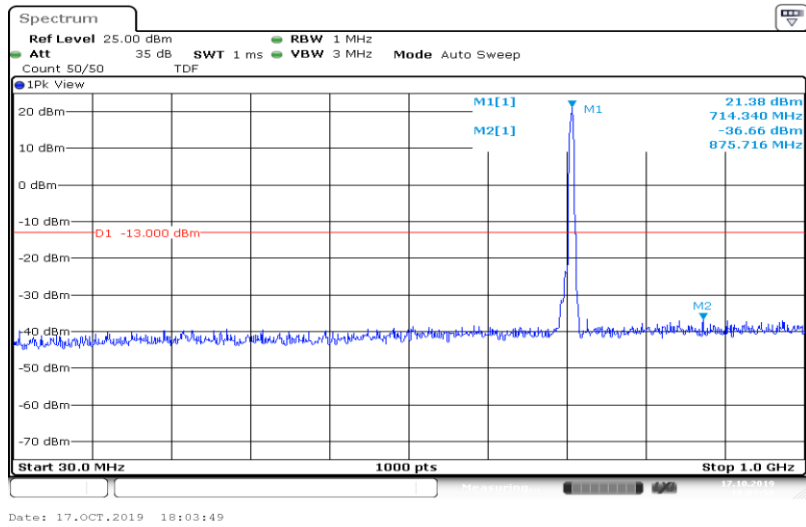
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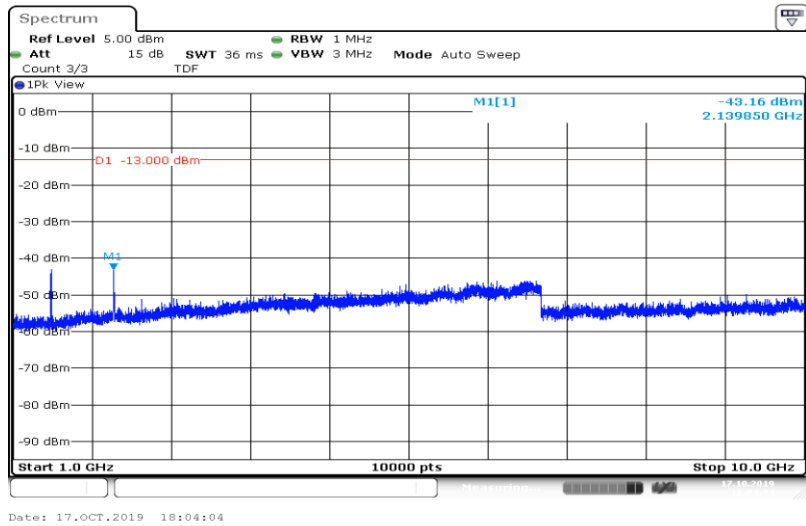
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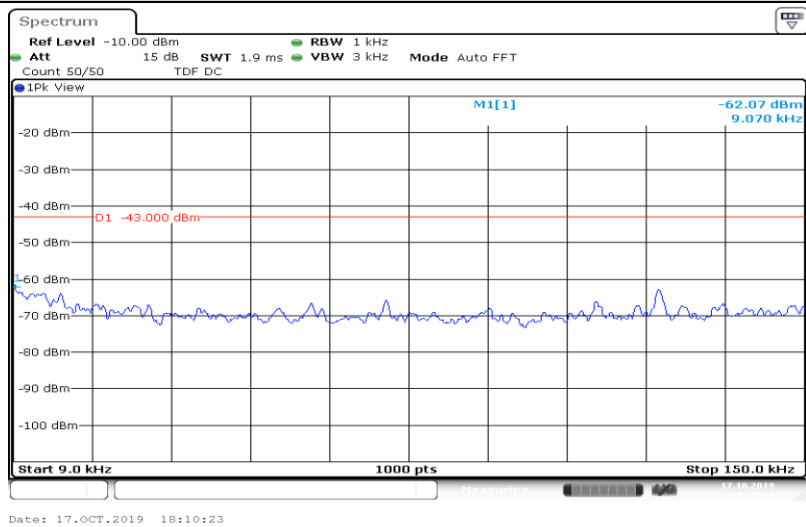
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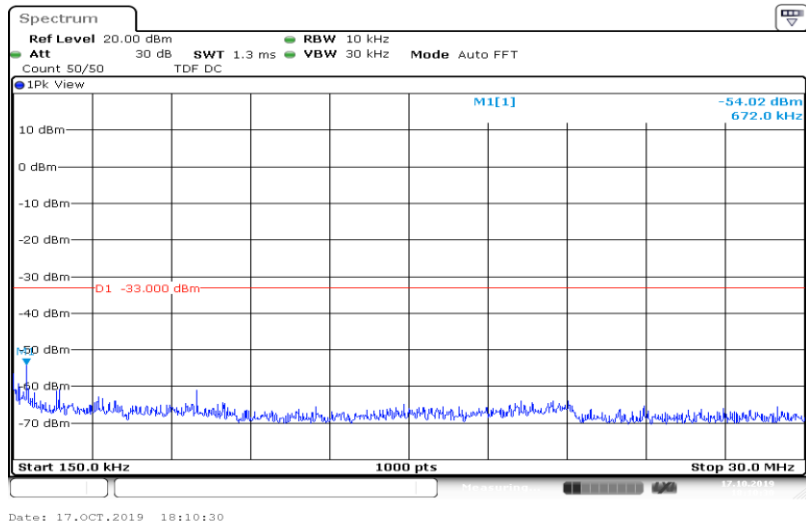
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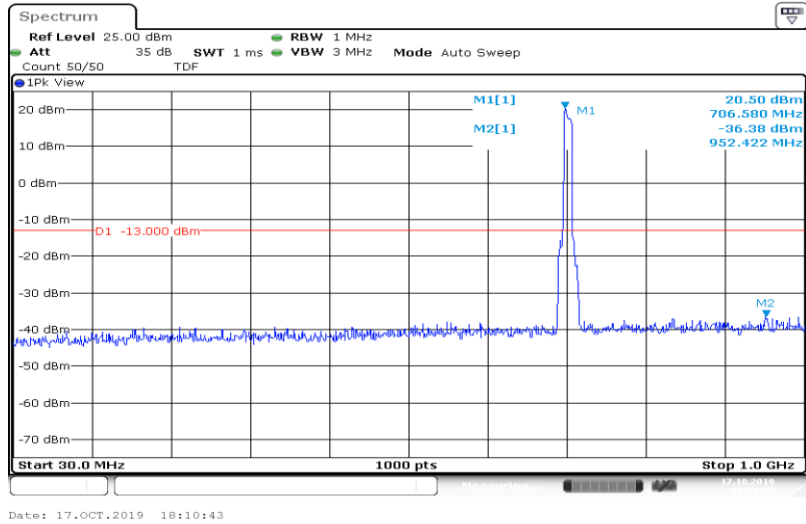
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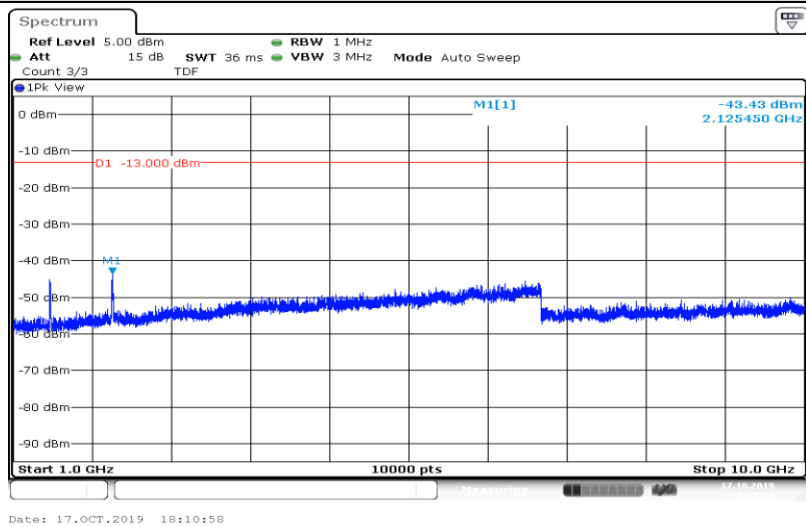
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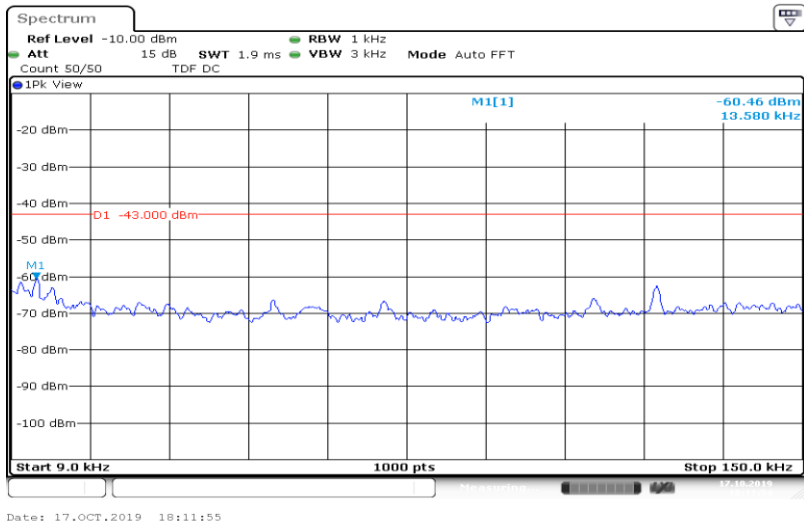
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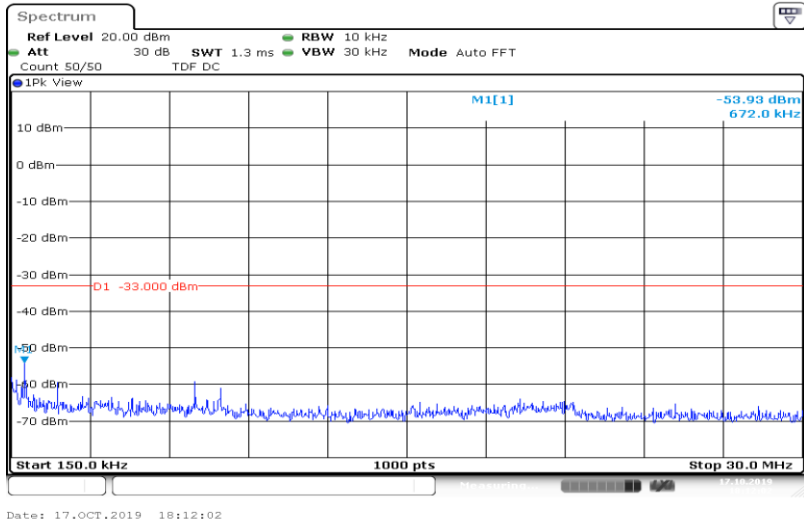
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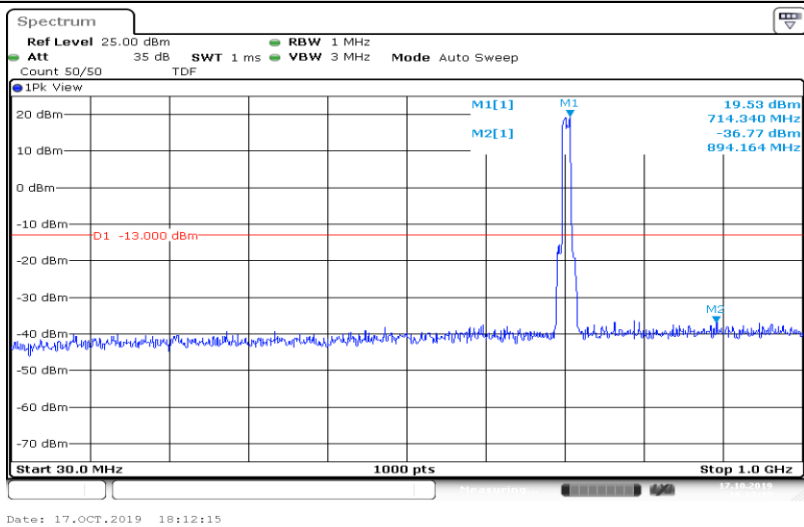
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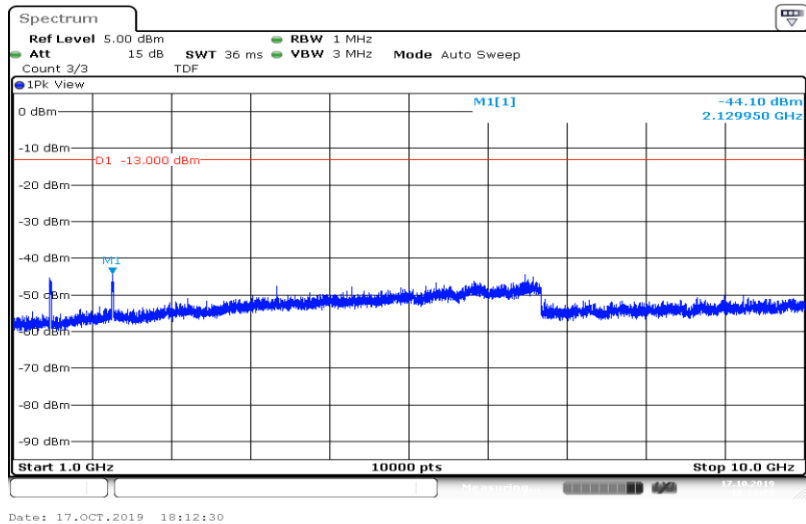
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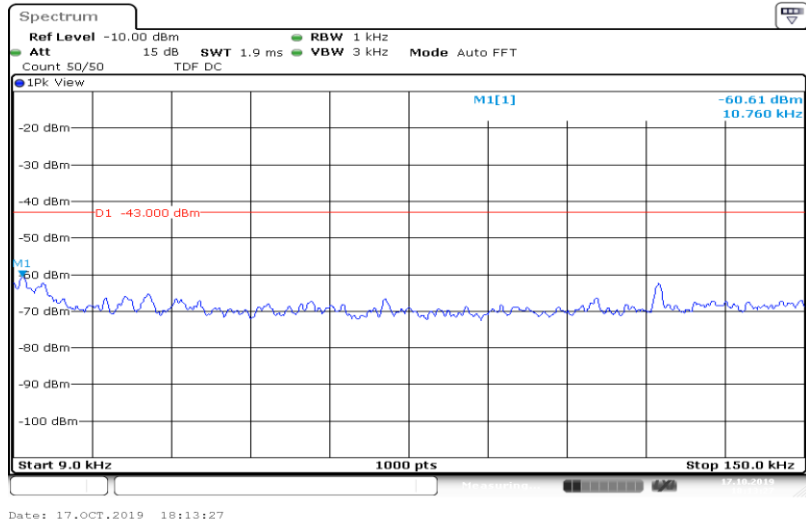
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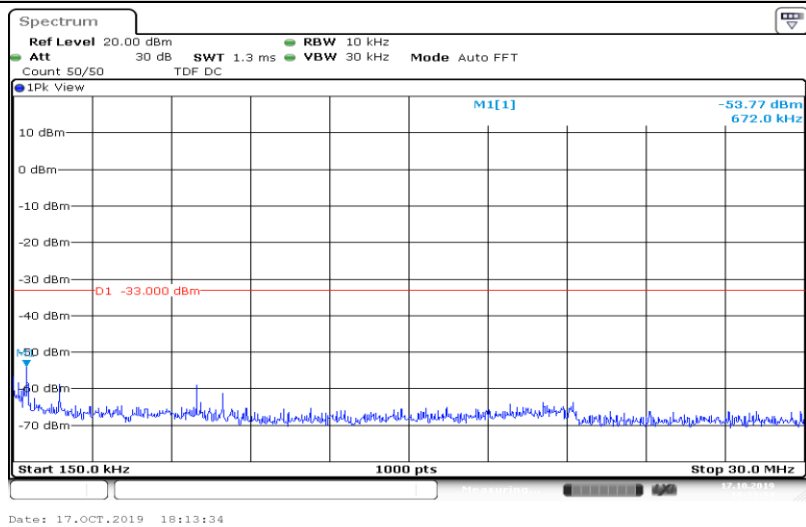
Band17-10MHz-QPSK-23790-50RB#0-Range4:1000~10000MHz



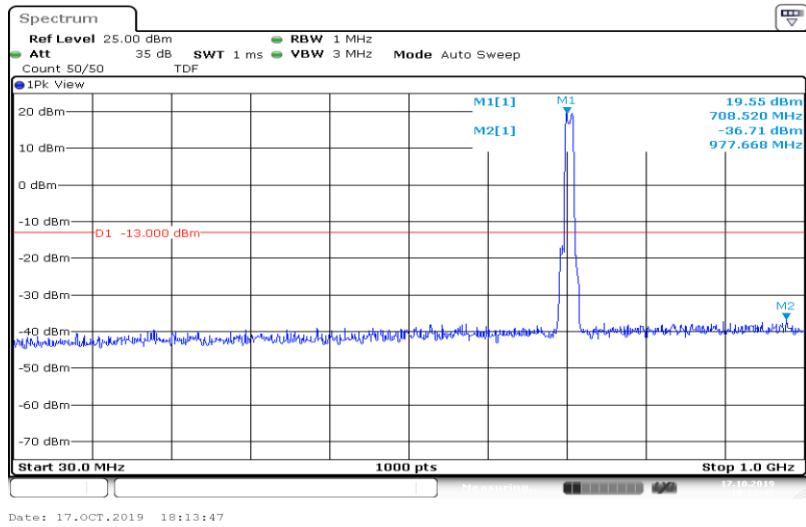
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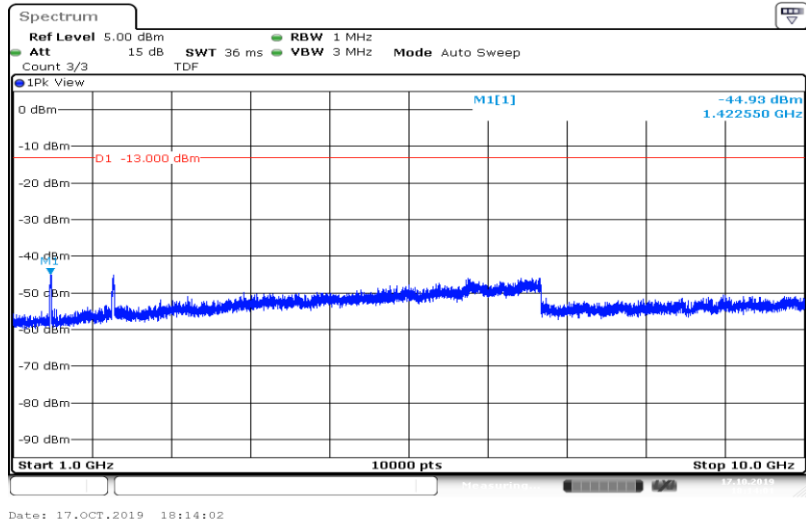
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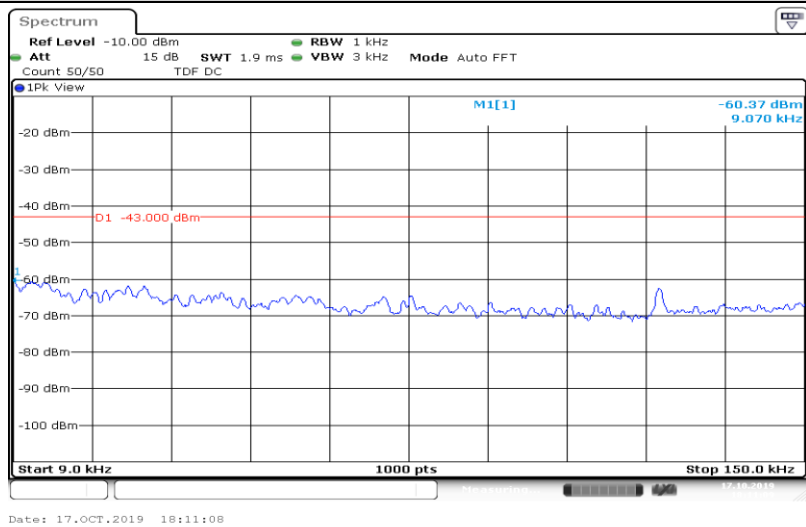
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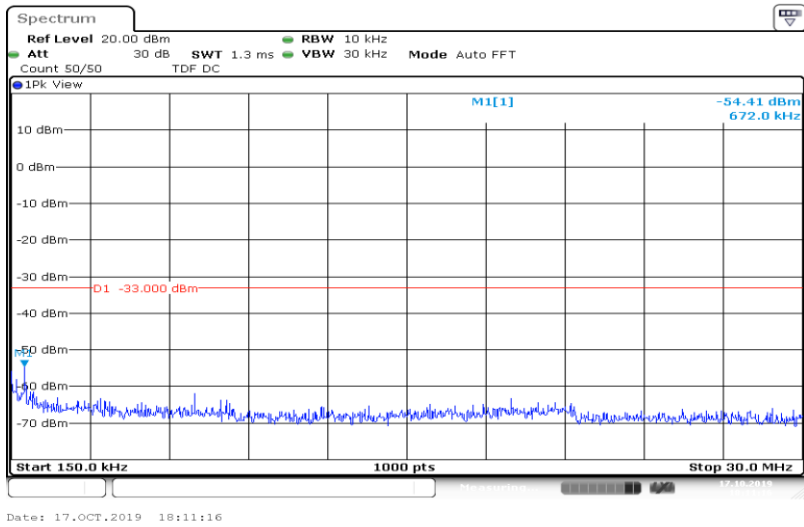
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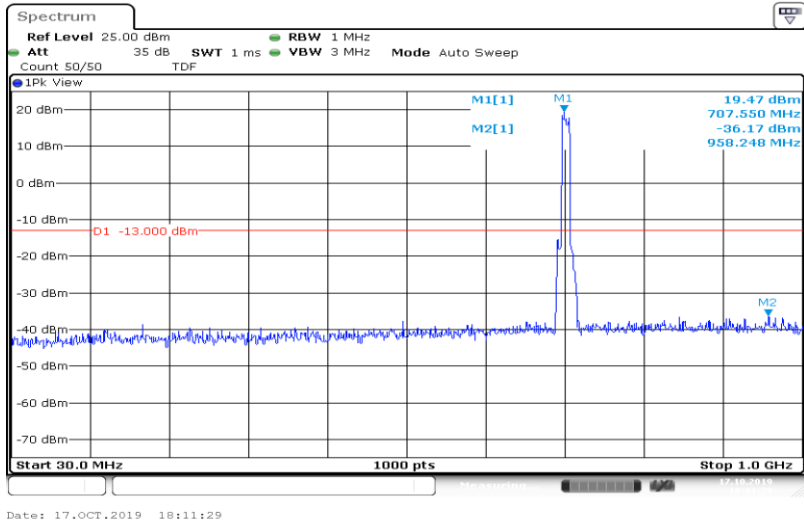
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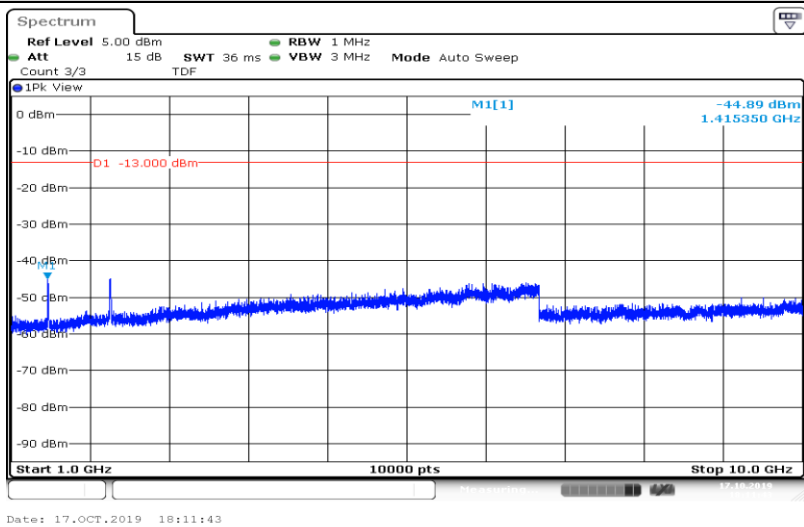
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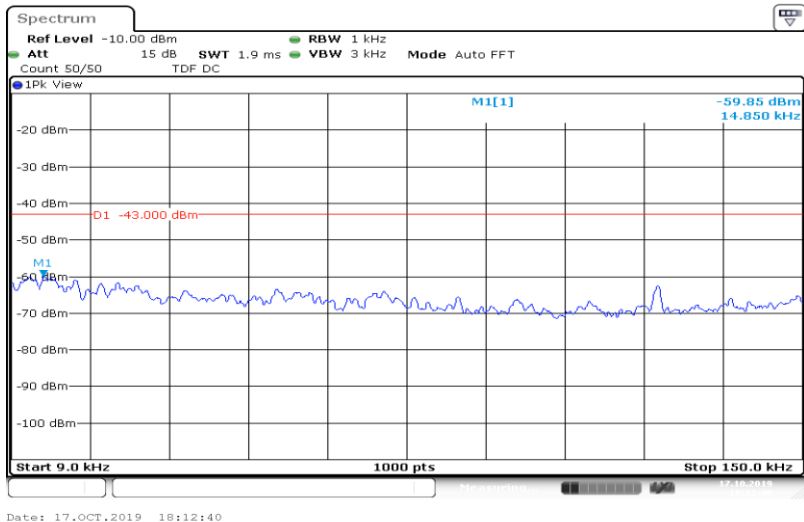
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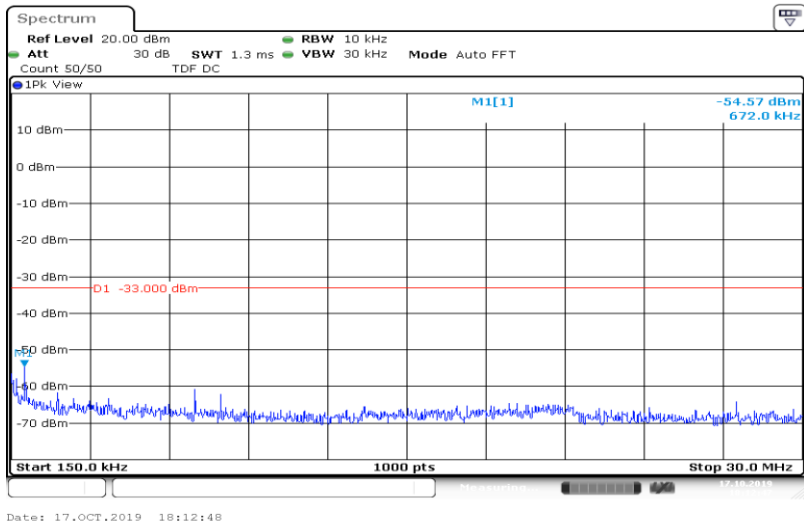
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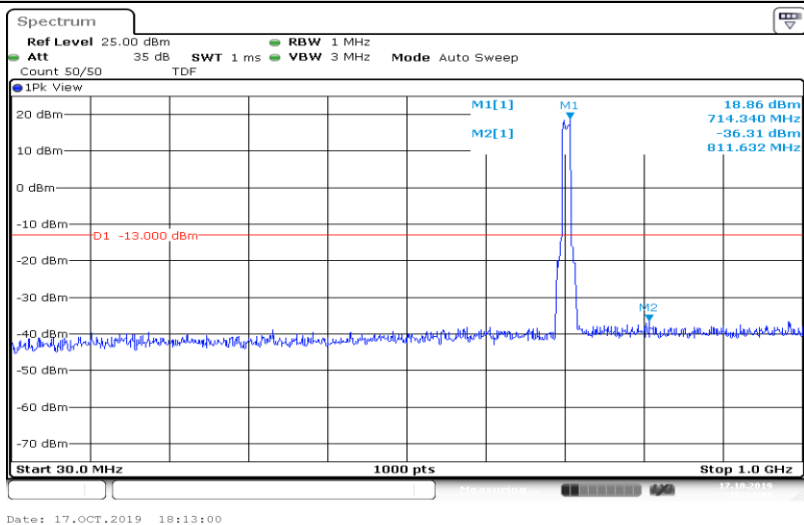
Band17-10MHz-16QAM-23790-50RB#0-Range1:0.009~0.15MHz



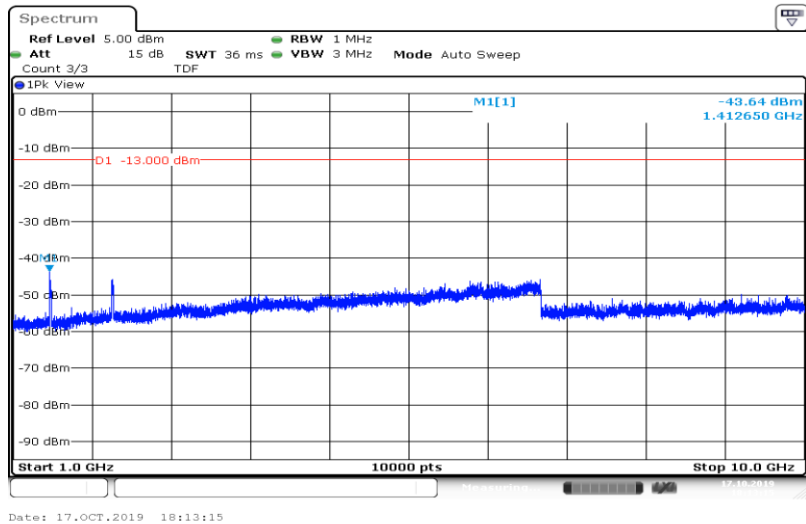
Band17-10MHz-16QAM-23790-50RB#0-Range2:0.15~30MHz



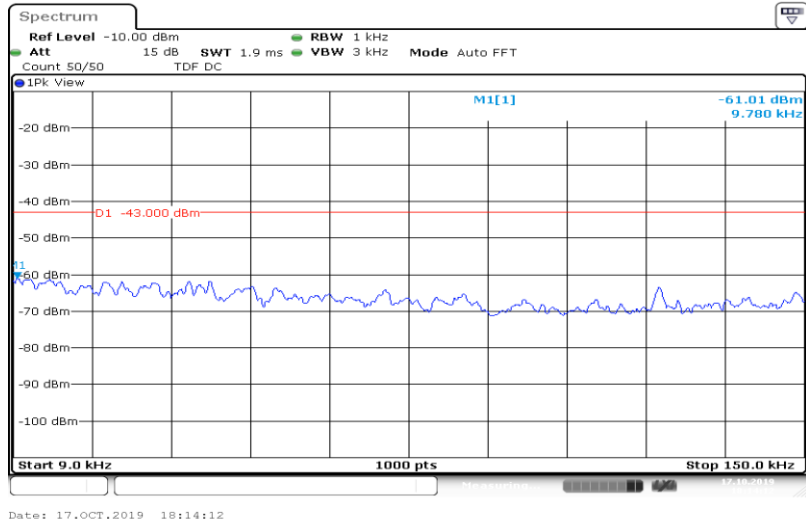
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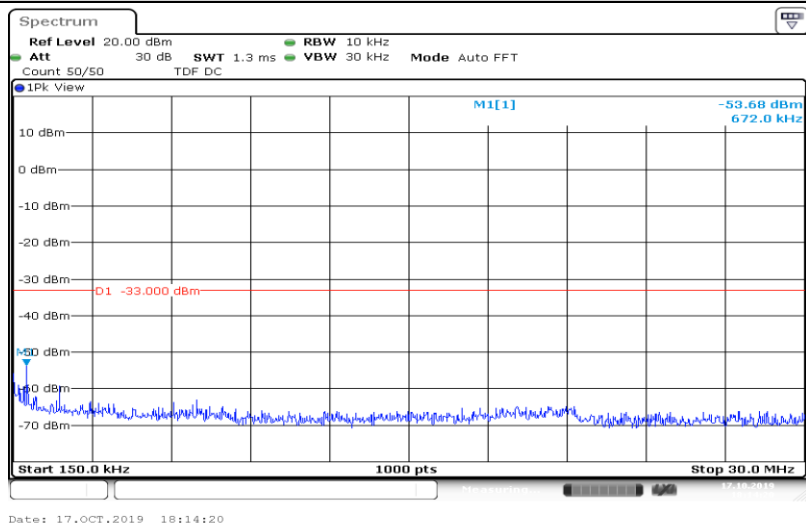
Band17-10MHz-16QAM-23790-50RB#0-Range4:1000~10000MHz



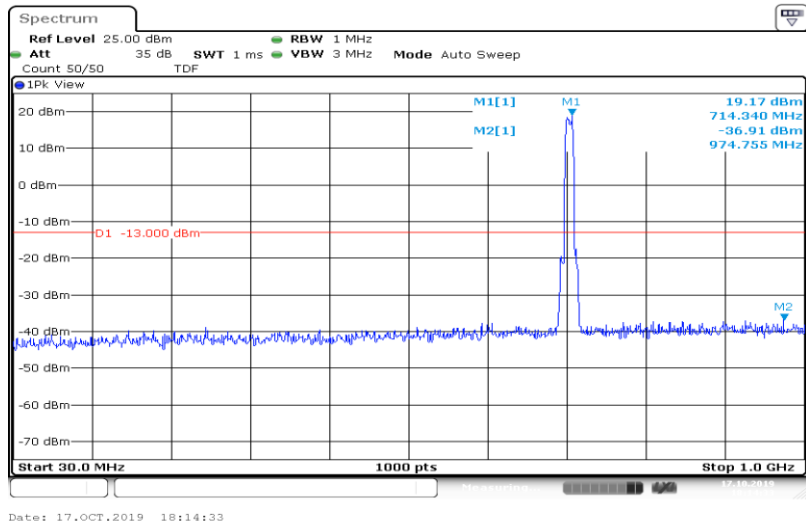
Band17-10MHz-16QAM-23800-50RB#0-Range1:0.009~0.15MHz



Band17-10MHz-16QAM-23800-50RB#0-Range2:0.15~30MHz



Band17-10MHz-16QAM-23800-50RB#0-Range3:30~1000MHz



Band17-10MHz-16QAM-23800-50RB#0-Range4:1000~10000MHz

