



Appendix for LTE Band30

FCC ID: 2AC88-GLMU19A02

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Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band30	5MHz	QPSK	27685	1RB#0	22.36	PASS
Band30	5MHz	QPSK	27685	1RB#12	22.56	PASS
Band30	5MHz	QPSK	27685	1RB#24	22.18	PASS
Band30	5MHz	QPSK	27685	12RB#0	21.63	PASS
Band30	5MHz	QPSK	27685	12RB#6	21.61	PASS
Band30	5MHz	QPSK	27685	12RB#13	21.50	PASS
Band30	5MHz	QPSK	27685	25RB#0	21.64	PASS
Band30	5MHz	QPSK	27710	1RB#0	22.18	PASS
Band30	5MHz	QPSK	27710	1RB#12	22.60	PASS
Band30	5MHz	QPSK	27710	1RB#24	22.10	PASS
Band30	5MHz	QPSK	27710	12RB#0	21.62	PASS
Band30	5MHz	QPSK	27710	12RB#6	21.64	PASS
Band30	5MHz	QPSK	27710	12RB#13	21.62	PASS
Band30	5MHz	QPSK	27710	25RB#0	21.62	PASS
Band30	5MHz	QPSK	27735	1RB#0	22.34	PASS
Band30	5MHz	QPSK	27735	1RB#12	22.39	PASS
Band30	5MHz	QPSK	27735	1RB#24	22.12	PASS
Band30	5MHz	QPSK	27735	12RB#0	21.60	PASS
Band30	5MHz	QPSK	27735	12RB#6	21.58	PASS
Band30	5MHz	QPSK	27735	12RB#13	21.47	PASS
Band30	5MHz	QPSK	27735	25RB#0	21.48	PASS
Band30	5MHz	16QAM	27685	1RB#0	21.52	PASS
Band30	5MHz	16QAM	27685	1RB#12	21.61	PASS
Band30	5MHz	16QAM	27685	1RB#24	21.42	PASS
Band30	5MHz	16QAM	27685	12RB#0	21.61	PASS
Band30	5MHz	16QAM	27685	12RB#6	21.60	PASS
Band30	5MHz	16QAM	27685	12RB#13	21.58	PASS
Band30	5MHz	16QAM	27685	25RB#0	20.50	PASS
Band30	5MHz	16QAM	27710	1RB#0	21.61	PASS
Band30	5MHz	16QAM	27710	1RB#12	21.70	PASS
Band30	5MHz	16QAM	27710	1RB#24	21.49	PASS
Band30	5MHz	16QAM	27710	12RB#0	21.65	PASS
Band30	5MHz	16QAM	27710	12RB#6	21.64	PASS
Band30	5MHz	16QAM	27710	12RB#13	21.62	PASS

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Band30	5MHz	16QAM	27710	25RB#0	20.71	PASS
Band30	5MHz	16QAM	27735	1RB#0	21.28	PASS
Band30	5MHz	16QAM	27735	1RB#12	21.22	PASS
Band30	5MHz	16QAM	27735	1RB#24	21.04	PASS
Band30	5MHz	16QAM	27735	12RB#0	21.58	PASS
Band30	5MHz	16QAM	27735	12RB#6	21.58	PASS
Band30	5MHz	16QAM	27735	12RB#13	21.47	PASS
Band30	5MHz	16QAM	27735	25RB#0	20.52	PASS
Band30	10MHz	QPSK	27710	1RB#0	22.60	PASS
Band30	10MHz	QPSK	27710	1RB#24	22.64	PASS
Band30	10MHz	QPSK	27710	1RB#49	22.42	PASS
Band30	10MHz	QPSK	27710	25RB#0	21.72	PASS
Band30	10MHz	QPSK	27710	25RB#12	21.70	PASS
Band30	10MHz	QPSK	27710	25RB#25	21.52	PASS
Band30	10MHz	QPSK	27710	50RB#0	21.61	PASS
Band30	10MHz	16QAM	27710	1RB#0	21.85	PASS
Band30	10MHz	16QAM	27710	1RB#24	21.67	PASS
Band30	10MHz	16QAM	27710	1RB#49	21.39	PASS
Band30	10MHz	16QAM	27710	25RB#0	21.71	PASS
Band30	10MHz	16QAM	27710	25RB#12	21.70	PASS
Band30	10MHz	16QAM	27710	25RB#25	21.52	PASS
Band30	10MHz	16QAM	27710	50RB#0	20.51	PASS

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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band30	5MHz	QPSK	27685	1RB#0	3.51	13	PASS
Band30	5MHz	QPSK	27685	25RB#0	5.01	13	PASS
Band30	5MHz	QPSK	27710	1RB#0	3.62	13	PASS
Band30	5MHz	QPSK	27710	25RB#0	4.81	13	PASS
Band30	5MHz	QPSK	27735	1RB#0	3.42	13	PASS
Band30	5MHz	QPSK	27735	25RB#0	4.72	13	PASS
Band30	5MHz	16QAM	27685	1RB#0	4.70	13	PASS
Band30	5MHz	16QAM	27685	25RB#0	5.88	13	PASS
Band30	5MHz	16QAM	27710	1RB#0	4.46	13	PASS
Band30	5MHz	16QAM	27710	25RB#0	5.68	13	PASS
Band30	5MHz	16QAM	27735	1RB#0	4.26	13	PASS
Band30	5MHz	16QAM	27735	25RB#0	5.62	13	PASS
Band30	10MHz	QPSK	27710	1RB#0	3.54	13	PASS
Band30	10MHz	QPSK	27710	50RB#0	4.81	13	PASS
Band30	10MHz	16QAM	27710	1RB#0	4.61	13	PASS
Band30	10MHz	16QAM	27710	50RB#0	5.74	13	PASS

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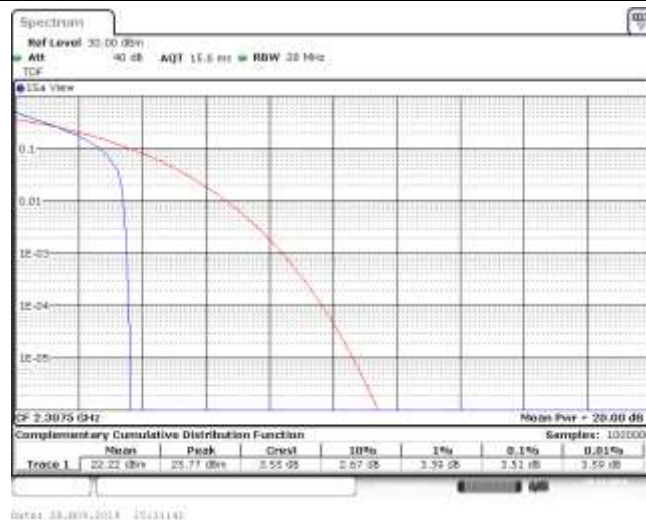
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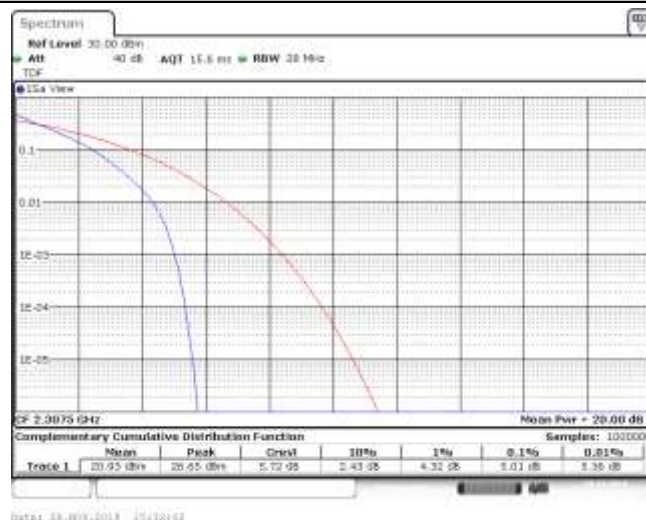
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Test Graphs

Band30_5MHz_QPSK_27685_1RB#0



Band30_5MHz_QPSK_27685_25RB#0



Band30_5MHz_QPSK_27710_1RB#0

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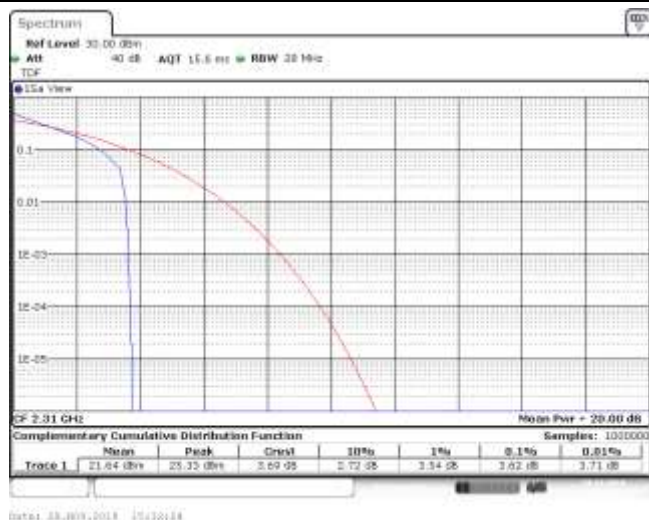
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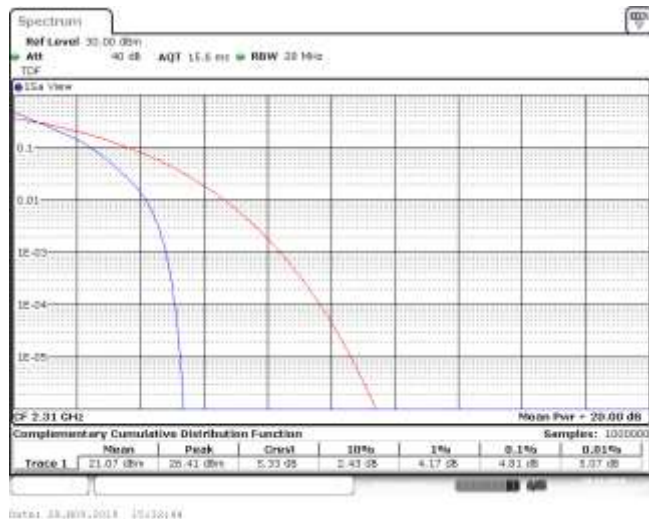
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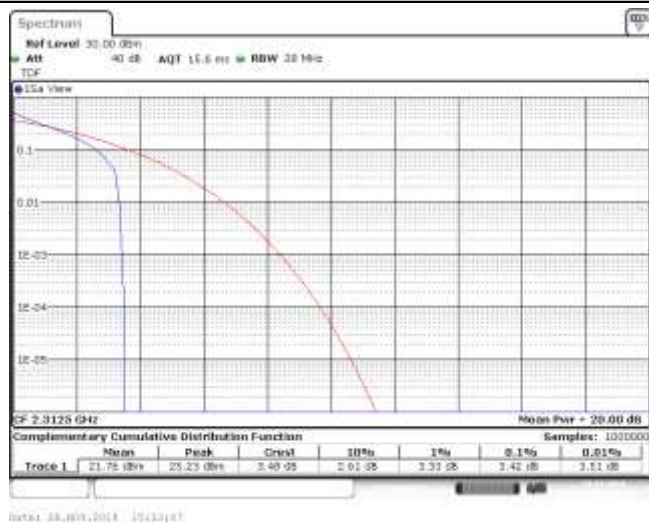
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Band30_5MHz_QPSK_27710_25RB#0



Band30_5MHz_QPSK_27735_1RB#0



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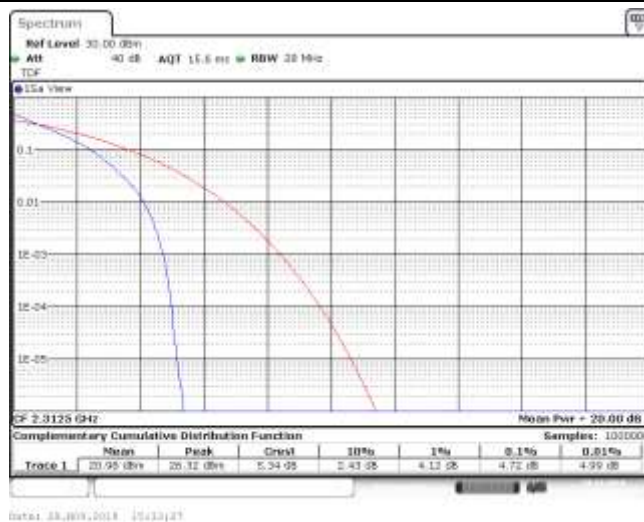
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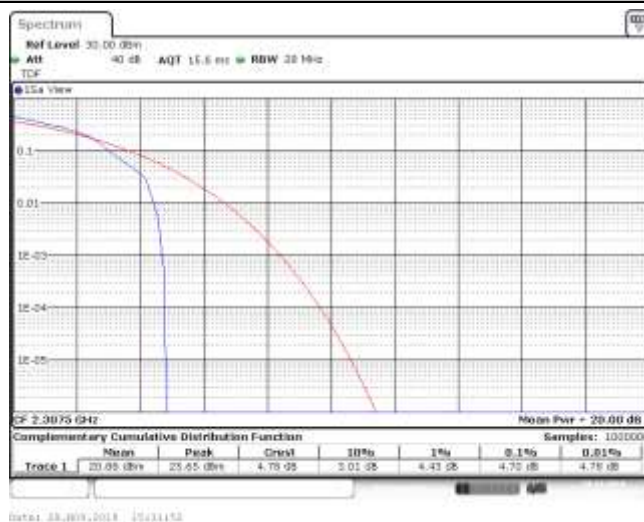
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Band30_5MHz_QPSK_27735_25RB#0



Band30_5MHz_16QAM_27685_1RB#0



Band30_5MHz_16QAM_27685_25RB#0

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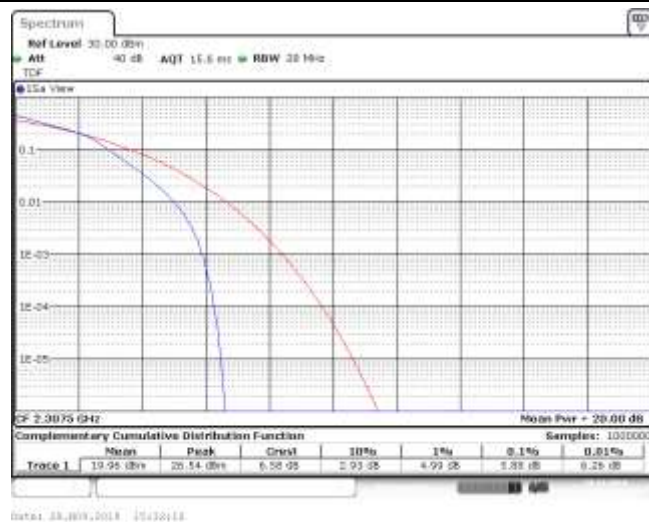
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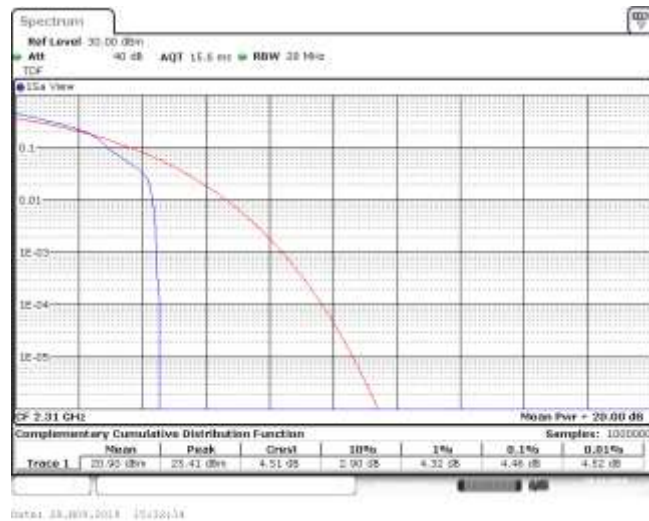
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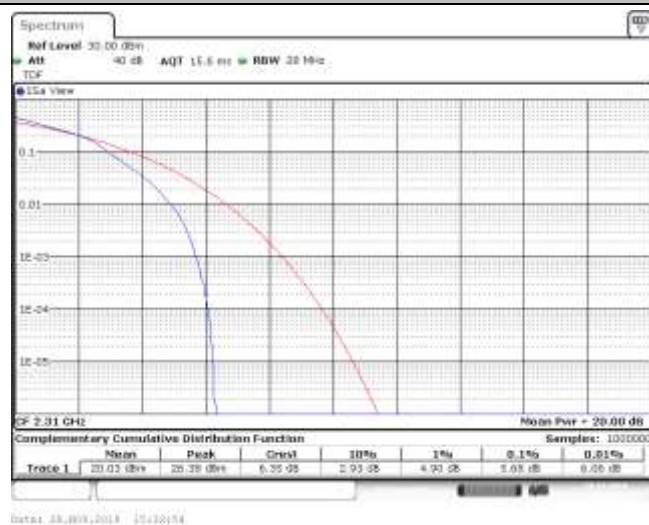
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Band30_5MHz_16QAM_27710_1RB#0



Band30_5MHz_16QAM_27710_25RB#0



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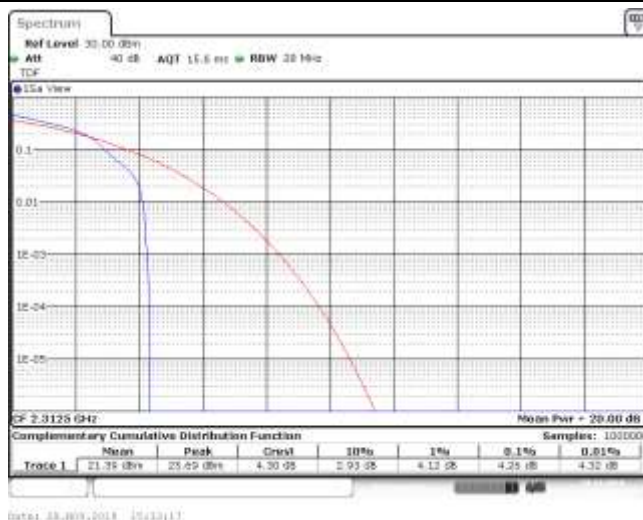
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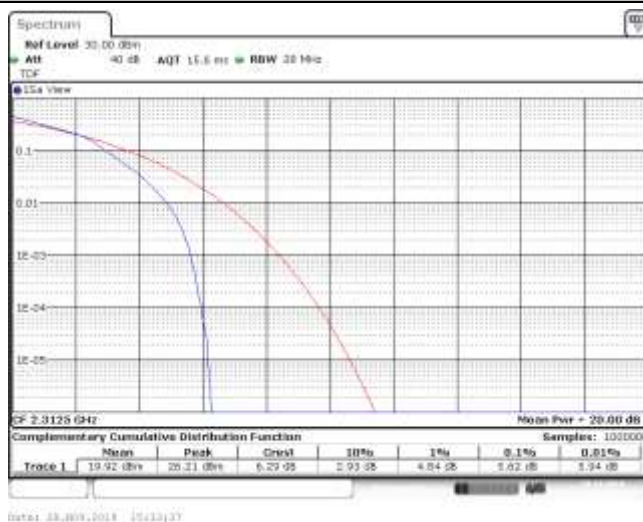
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Band30_5MHz_16QAM_27735_25RB#0



Band30_10MHz_QPSK_27710_1RB#0

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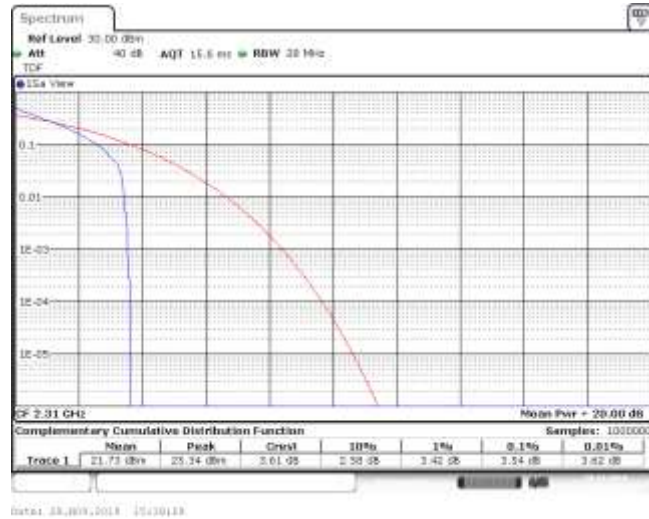
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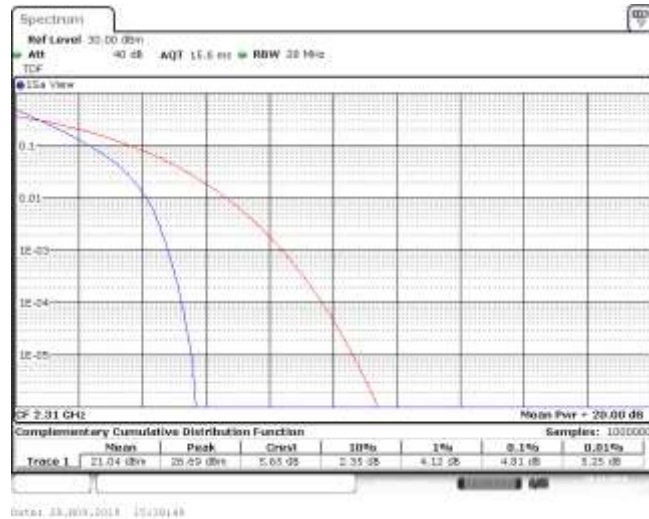


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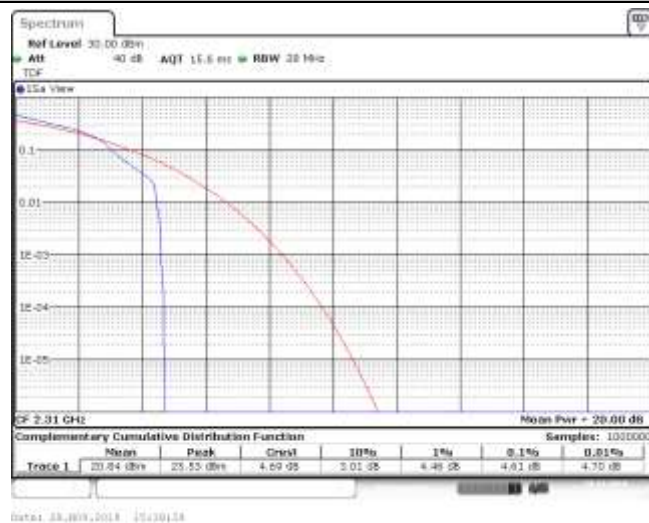
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Band30_10MHz_QPSK_27710_50RB#0



Band30_10MHz_16QAM_27710_1RB#0



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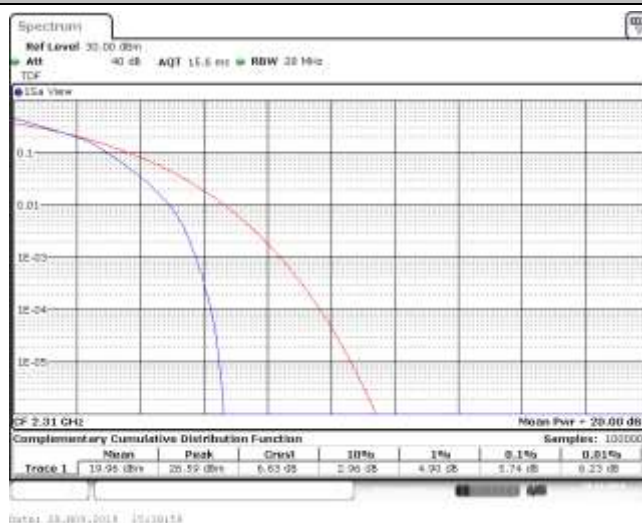
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Band30_10MHz_16QAM_27710_50RB#0



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Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band30	5MHz	QPSK	27685	25RB#0	4.496	4.770	PASS
Band30	5MHz	QPSK	27710	25RB#0	4.496	4.790	PASS
Band30	5MHz	QPSK	27735	25RB#0	4.496	4.800	PASS
Band30	5MHz	16QAM	27685	25RB#0	4.496	4.790	PASS
Band30	5MHz	16QAM	27710	25RB#0	4.505	4.780	PASS
Band30	5MHz	16QAM	27735	25RB#0	4.505	4.780	PASS
Band30	10MHz	QPSK	27710	50RB#0	8.985	9.533	PASS
Band30	10MHz	16QAM	27710	50RB#0	8.952	9.533	PASS

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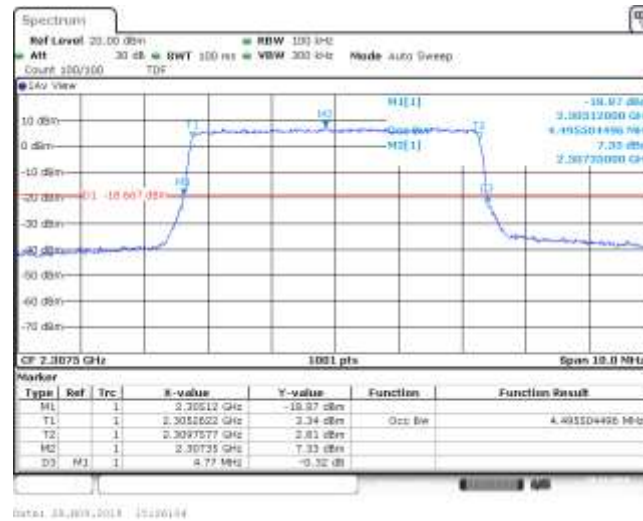
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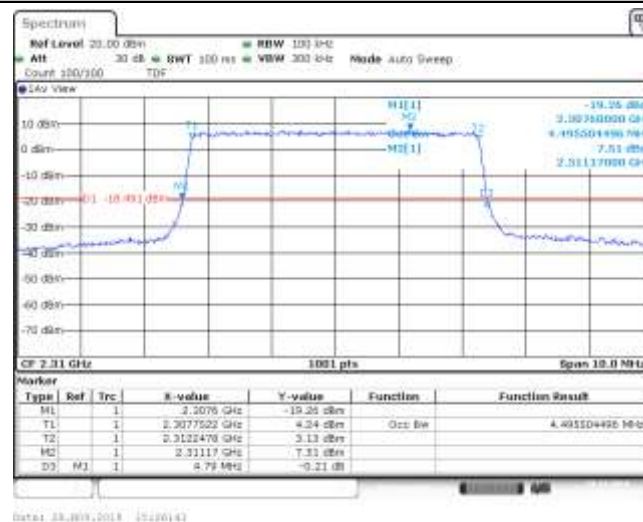
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Test Graphs

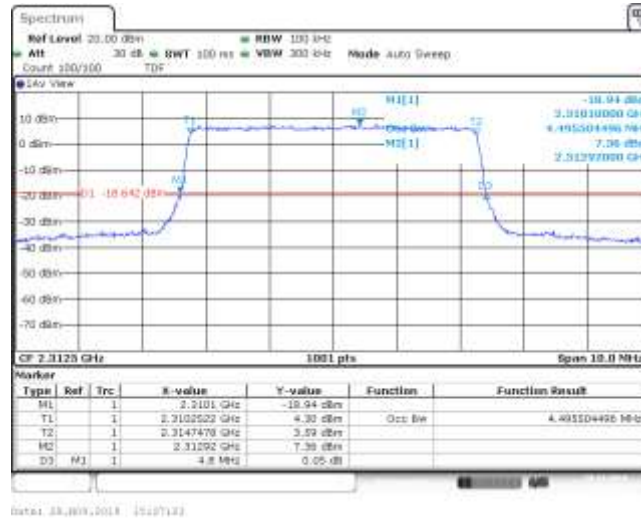
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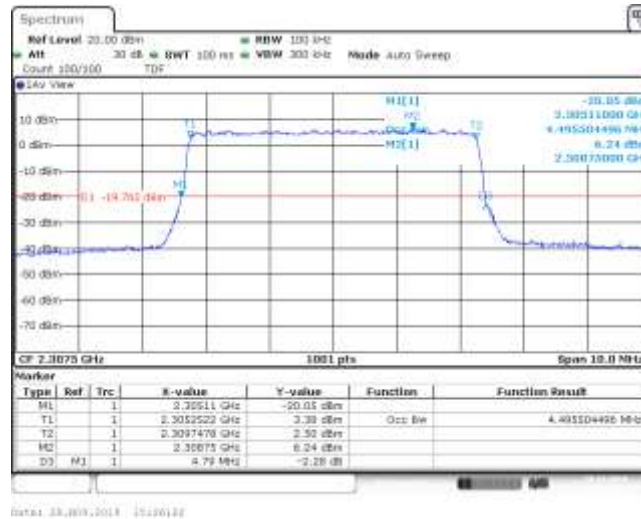
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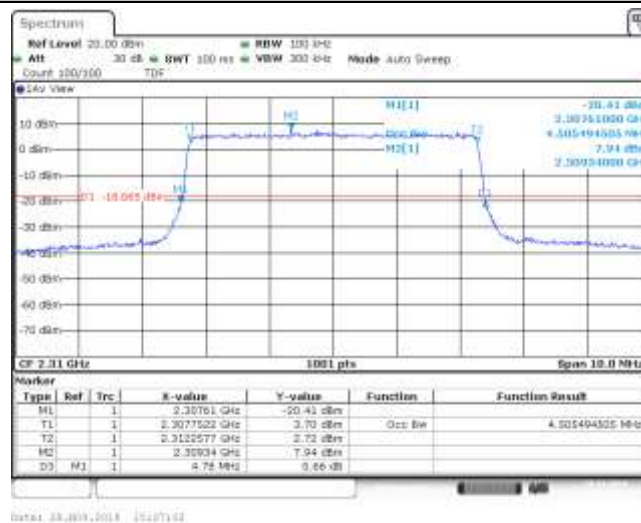
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Band30_5MHz_16QAM_27685_25RB#0



Band30_5MHz_16QAM_27710_25RB#0



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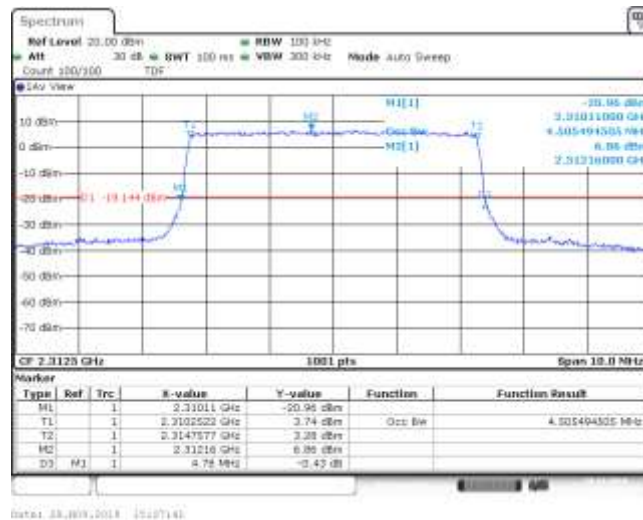
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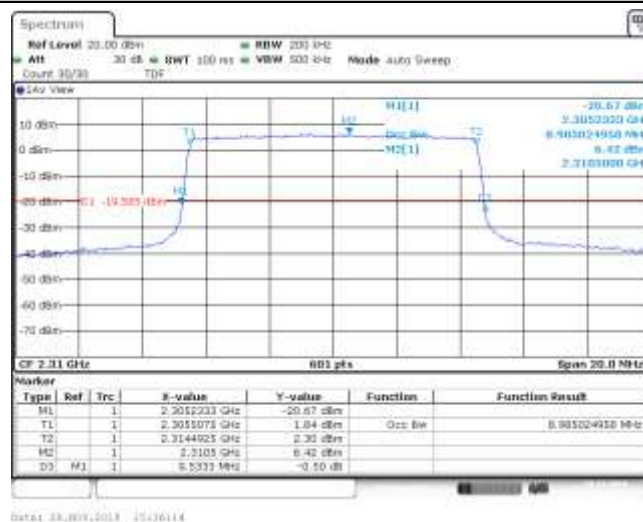
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Band30_10MHz_QPSK_27710_50RB#0



Band30_10MHz_16QAM_27710_50RB#0

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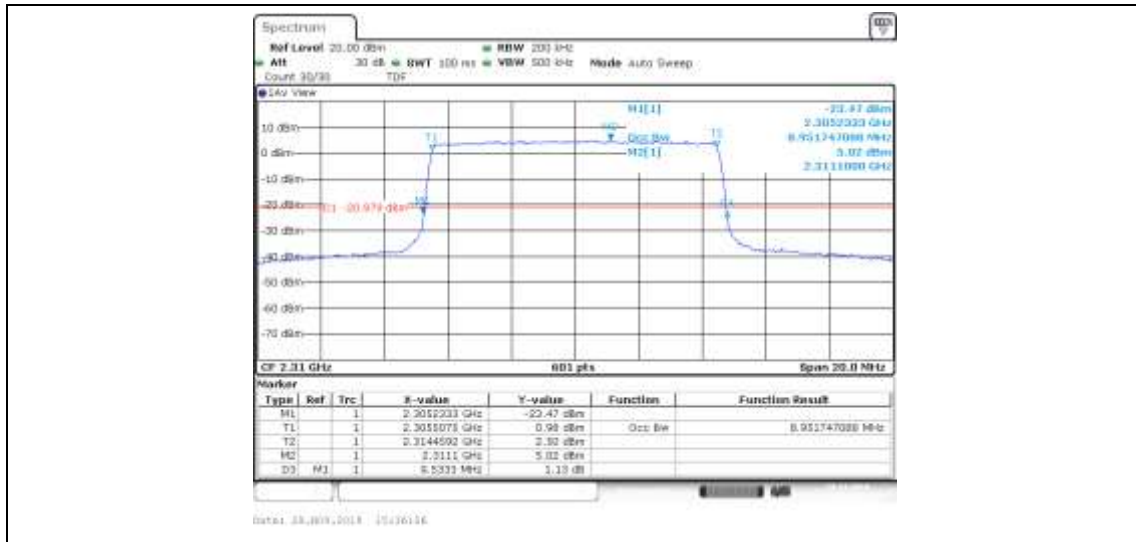
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Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band30	5MHz	QPSK	27685	1RB#0	-19.96	PASS
Band30	5MHz	QPSK	27685	1RB#12	-47.45	PASS
Band30	5MHz	QPSK	27685	1RB#24	-50.06	PASS
Band30	5MHz	QPSK	27685	25RB#0	-28.98	PASS
Band30	5MHz	QPSK	27735	1RB#0	-49.47	PASS
Band30	5MHz	QPSK	27735	1RB#12	-48.09	PASS
Band30	5MHz	QPSK	27735	1RB#24	-19.98	PASS
Band30	5MHz	QPSK	27735	25RB#0	-27.66	PASS
Band30	5MHz	16QAM	27685	1RB#0	-22.48	PASS
Band30	5MHz	16QAM	27685	1RB#12	-46.90	PASS
Band30	5MHz	16QAM	27685	1RB#24	-50.02	PASS
Band30	5MHz	16QAM	27685	25RB#0	-30.04	PASS
Band30	5MHz	16QAM	27735	1RB#0	-50.29	PASS
Band30	5MHz	16QAM	27735	1RB#12	-48.97	PASS
Band30	5MHz	16QAM	27735	1RB#24	-20.50	PASS
Band30	5MHz	16QAM	27735	25RB#0	-29.17	PASS

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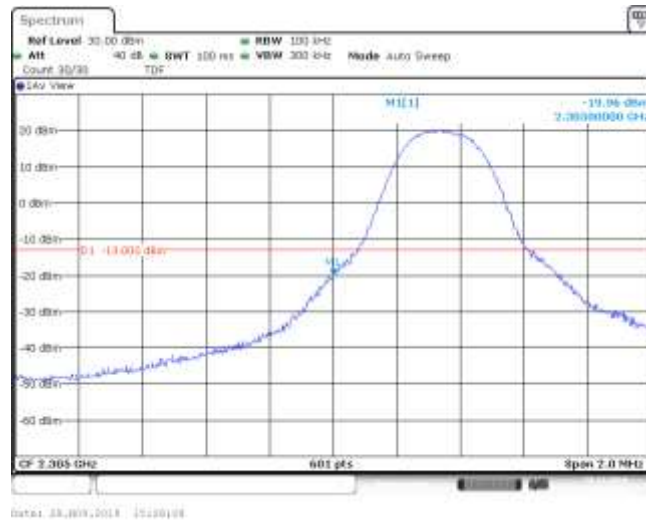
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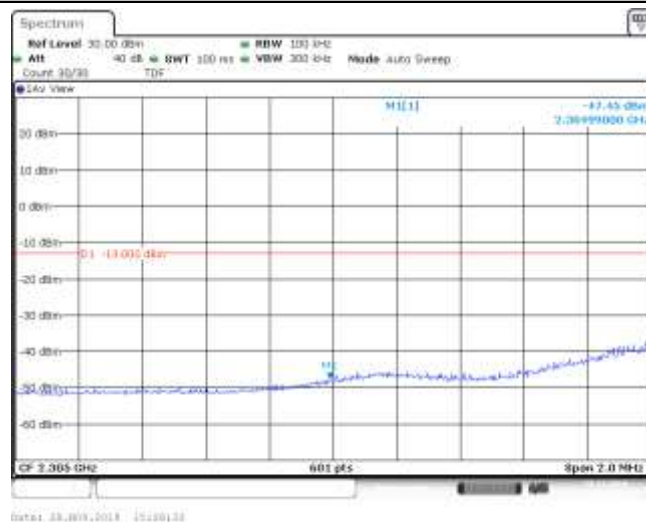
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Test Graphs

Band30_5MHz_QPSK_27685_1RB#0



Band30_5MHz_QPSK_27685_1RB#12



Band30_5MHz_QPSK_27685_1RB#24

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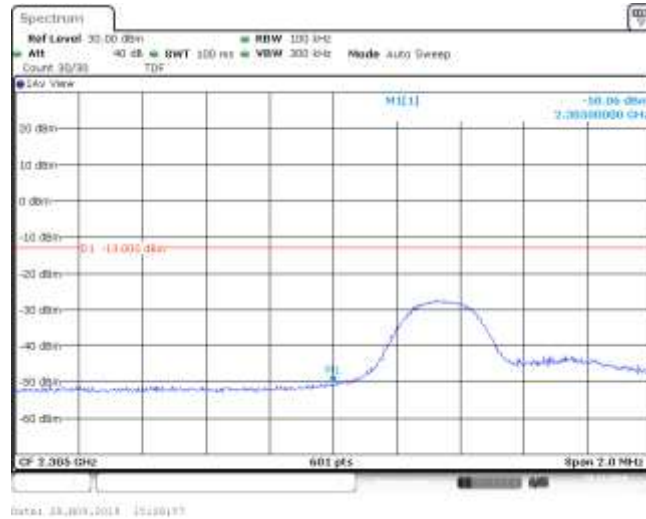
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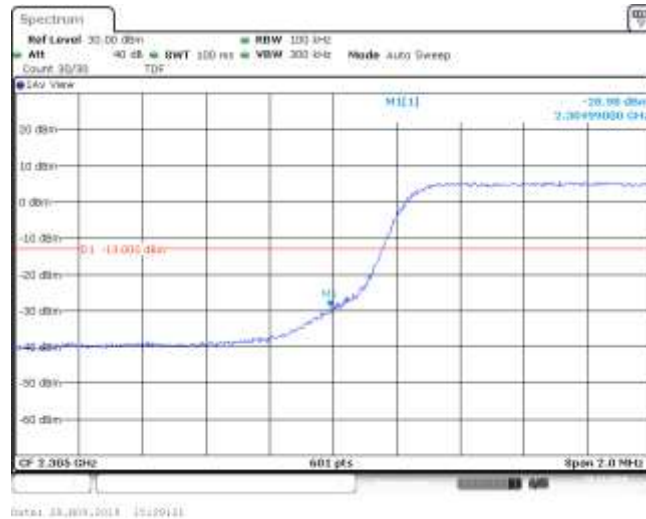
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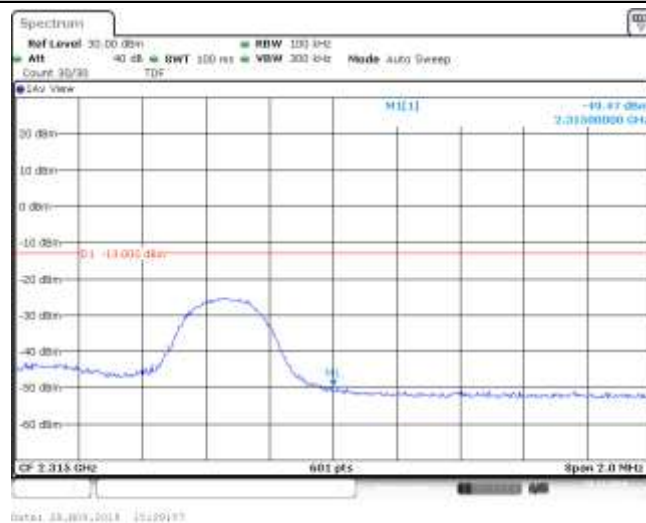
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Band30_5MHz_QPSK_27685_25RB#0



Band30_5MHz_QPSK_27735_1RB#0



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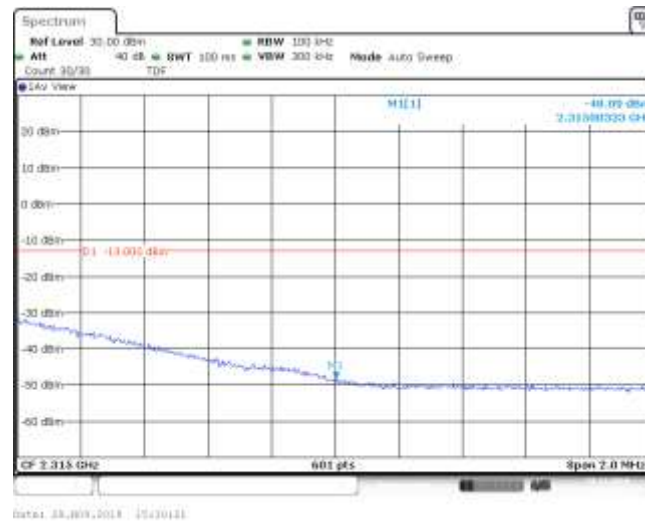
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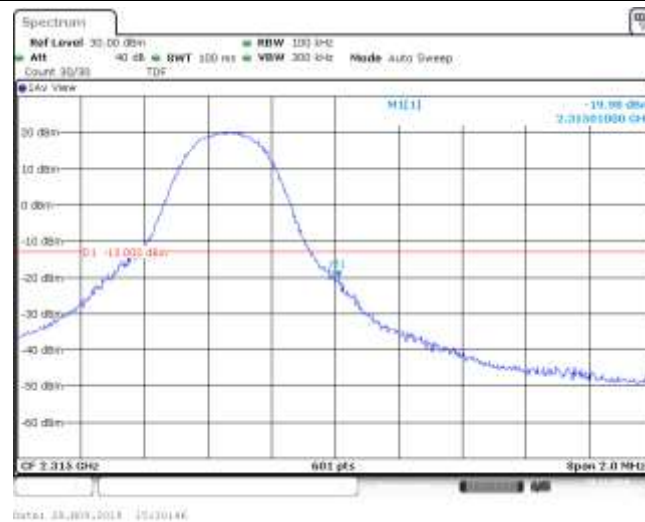
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Band30_5MHz_QPSK_27735_1RB#12



Band30_5MHz_QPSK_27735_1RB#24



Band30_5MHz_QPSK_27735_25RB#0

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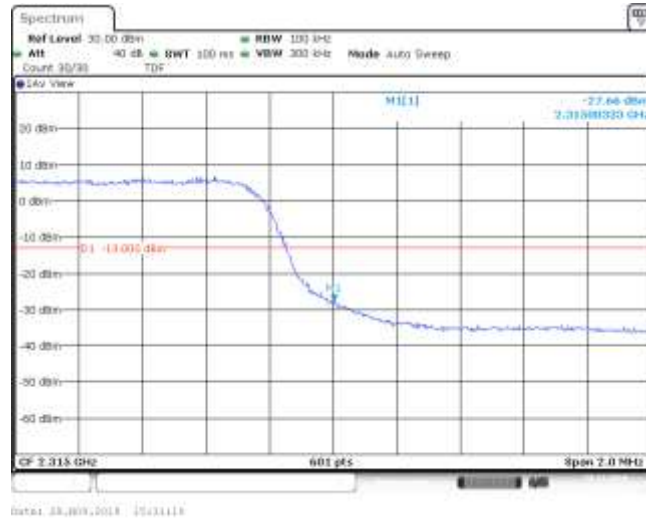
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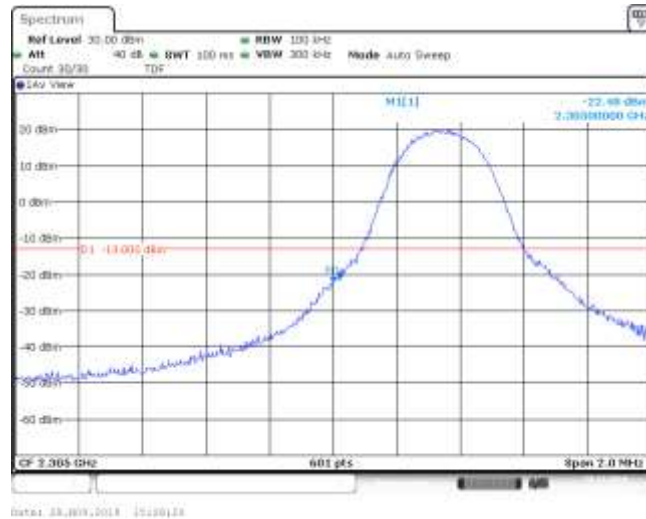
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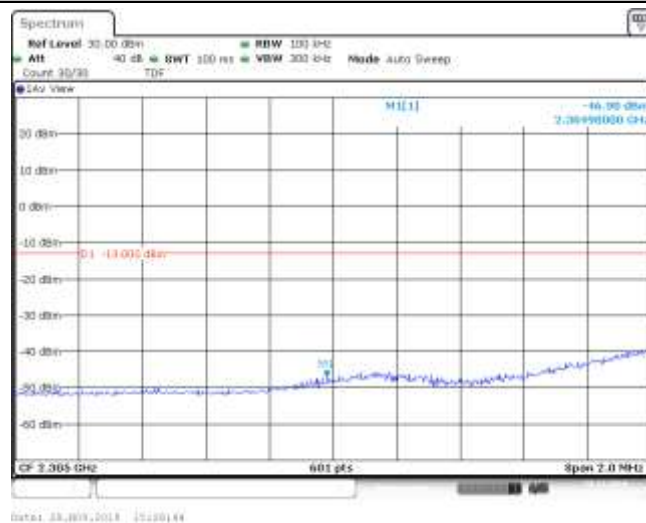
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Band30_5MHz_16QAM_27685_1RB#0



Band30_5MHz_16QAM_27685_1RB#12



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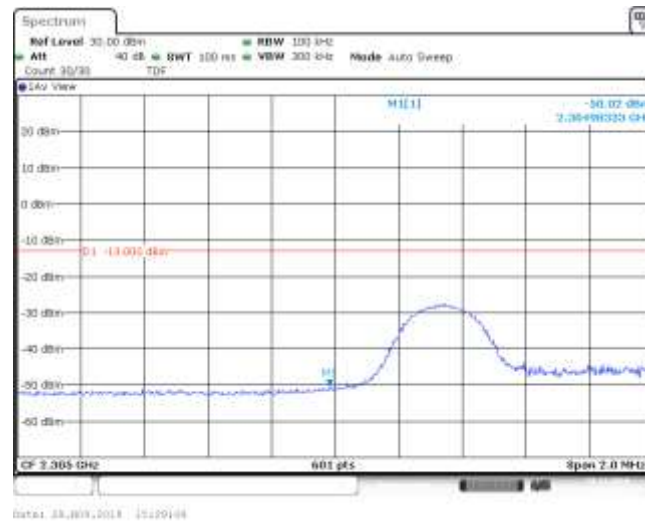
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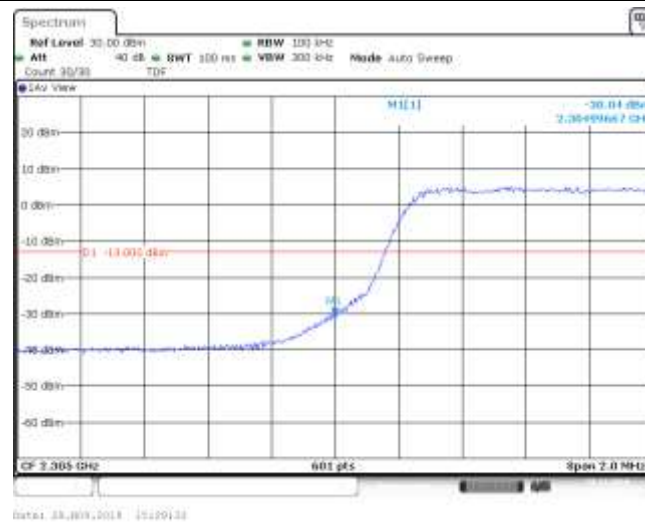
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Band30_5MHz_16QAM_27685_1RB#24



Band30_5MHz_16QAM_27685_25RB#0



Band30_5MHz_16QAM_27735_1RB#0

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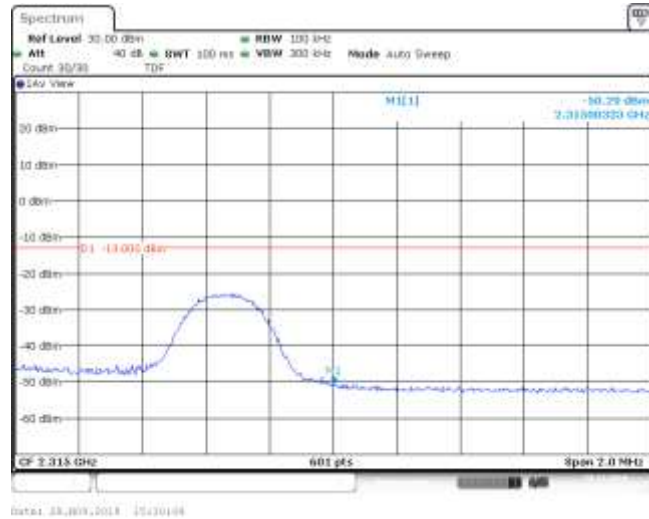
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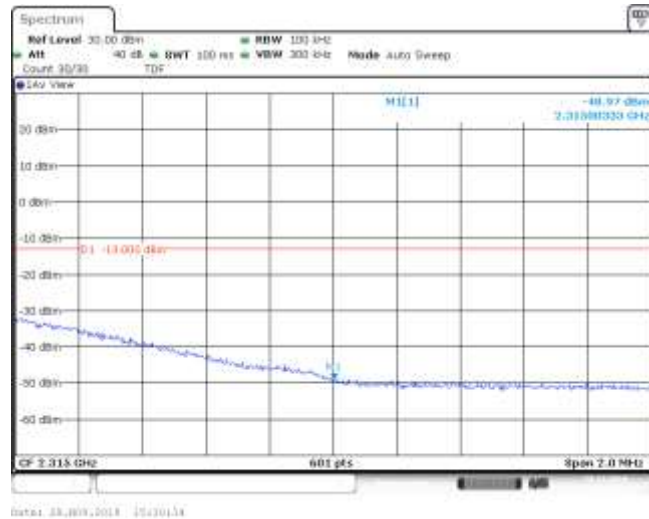
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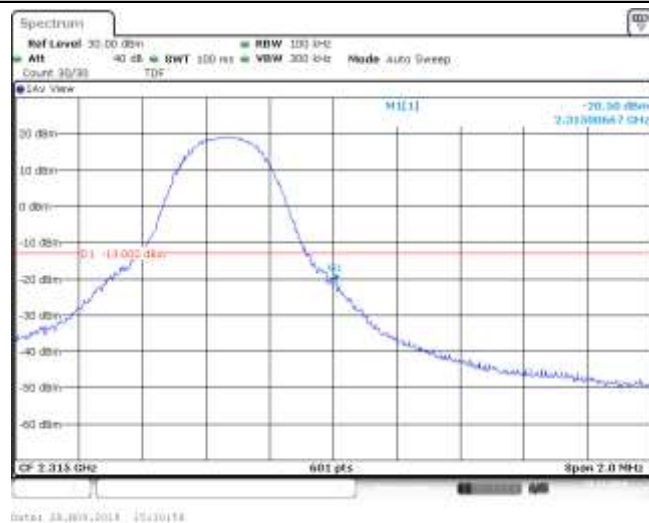
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Band30_5MHz_16QAM_27735_1RB#12



Band30_5MHz_16QAM_27735_1RB#24



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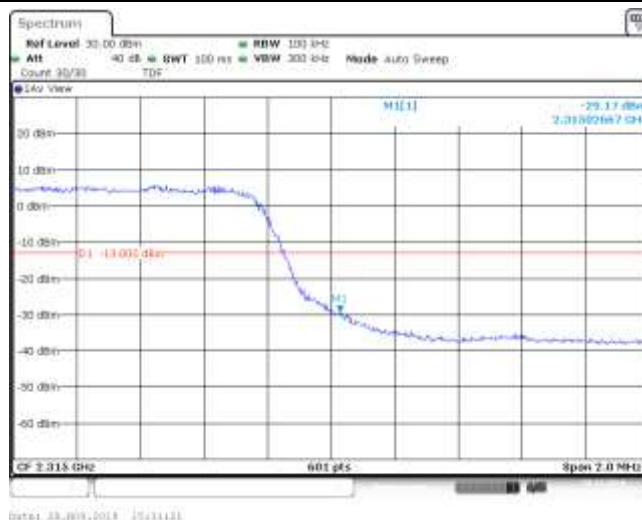
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Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band30	5MHz	QPSK	27685	1RB#0	Range1:0.009~0.15MHz	-70.13	PASS
Band30	5MHz	QPSK	27685	1RB#0	Range2:0.15~30MHz	-66.32	PASS
Band30	5MHz	QPSK	27685	1RB#0	Range3:30~1000MHz	-76.22	PASS
Band30	5MHz	QPSK	27685	1RB#0	Range4:1000~2288MHz	-62.59	PASS
Band30	5MHz	QPSK	27685	1RB#0	Range5:2288~2292MHz	-62.45	PASS
Band30	5MHz	QPSK	27685	1RB#0	Range6:2292~2296MHz	-58.78	PASS
Band30	5MHz	QPSK	27685	1RB#0	Range7:2296~2300MHz	-55.42	PASS
Band30	5MHz	QPSK	27685	1RB#0	Range8:2300~2305MHz	-19.69	PASS
Band30	5MHz	QPSK	27685	1RB#0	Range9:2320~2324MHz	-62.34	PASS
Band30	5MHz	QPSK	27685	1RB#0	Range10:2324~2328MHz	-62.52	PASS
Band30	5MHz	QPSK	27685	1RB#0	Range11:2328~2337MHz	-62.59	PASS
Band30	5MHz	QPSK	27685	1RB#0	Range12:2337~2341MHz	-62.45	PASS
Band30	5MHz	QPSK	27685	1RB#0	Range13:2341~2345MHz	-62.73	PASS
Band30	5MHz	QPSK	27685	1RB#0	Range14:2360~2365MHz	-62.75	PASS
Band30	5MHz	QPSK	27685	1RB#0	Range15:2365~26500MHz	-49.8	PASS
Band30	5MHz	QPSK	27710	1RB#0	Range1:0.009~0.15MHz	-71.24	PASS
Band30	5MHz	QPSK	27710	1RB#0	Range2:0.15~30MHz	-65.92	PASS
Band30	5MHz	QPSK	27710	1RB#0	Range3:30~1000MHz	-75.48	PASS
Band30	5MHz	QPSK	27710	1RB#0	Range4:1000~2288MHz	-62.61	PASS
Band30	5MHz	QPSK	27710	1RB#0	Range5:2288~2292MHz	-62.37	PASS
Band30	5MHz	QPSK	27710	1RB#0	Range6:2292~2296MHz	-62.36	PASS
Band30	5MHz	QPSK	27710	1RB#0	Range7:2296~2300MHz	-55.29	PASS
Band30	5MHz	QPSK	27710	1RB#0	Range1:2300~2305MHz	-56.74	PASS
Band30	5MHz	QPSK	27710	1RB#0	Range9:2320~2324MHz	-62.31	PASS
Band30	5MHz	QPSK	27710	1RB#0	Range10:2324~2328MHz	-62.41	PASS
Band30	5MHz	QPSK	27710	1RB#0	Range11:2328~2337MHz	-62.61	PASS
Band30	5MHz	QPSK	27710	1RB#0	Range12:2337~2341MHz	-62.69	PASS
Band30	5MHz	QPSK	27710	1RB#0	Range13:2341~2345MHz	-62.74	PASS
Band30	5MHz	QPSK	27710	1RB#0	Range14:2360~2365MHz	-62.58	PASS
Band30	5MHz	QPSK	27710	1RB#0	Range15:2365~26500MHz	-49.83	PASS
Band30	5MHz	QPSK	27735	1RB#0	Range1:0.009~0.15MHz	-71.1	PASS
Band30	5MHz	QPSK	27735	1RB#0	Range2:0.15~30MHz	-65.27	PASS
Band30	5MHz	QPSK	27735	1RB#0	Range3:30~1000MHz	-76.42	PASS
Band30	5MHz	QPSK	27735	1RB#0	Range4:1000~2288MHz	-62.64	PASS

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Band30	5MHz	QPSK	27735	1RB#0	Range5:2288~2292MHz	-62.54	PASS
Band30	5MHz	QPSK	27735	1RB#0	Range6:2292~2296MHz	-62.08	PASS
Band30	5MHz	QPSK	27735	1RB#0	Range7:2296~2300MHz	-60.52	PASS
Band30	5MHz	QPSK	27735	1RB#0	Range1:2300~2305MHz	-60.56	PASS
Band30	5MHz	QPSK	27735	1RB#0	Range8:2300~2305MHz	-54.08	PASS
Band30	5MHz	QPSK	27735	1RB#0	Range9:2320~2324MHz	-52.59	PASS
Band30	5MHz	QPSK	27735	1RB#0	Range10:2324~2328MHz	-61.15	PASS
Band30	5MHz	QPSK	27735	1RB#0	Range11:2328~2337MHz	-62.49	PASS
Band30	5MHz	QPSK	27735	1RB#0	Range12:2337~2341MHz	-62.68	PASS
Band30	5MHz	QPSK	27735	1RB#0	Range13:2341~2345MHz	-62.4	PASS
Band30	5MHz	QPSK	27735	1RB#0	Range14:2360~2365MHz	-62.79	PASS
Band30	5MHz	QPSK	27735	1RB#0	Range15:2365~26500MHz	-48.19	PASS
Band30	5MHz	16QAM	27685	1RB#0	Range1:0.009~0.15MHz	-71.24	PASS
Band30	5MHz	16QAM	27685	1RB#0	Range2:0.15~30MHz	-66.19	PASS
Band30	5MHz	16QAM	27685	1RB#0	Range3:30~1000MHz	-75.55	PASS
Band30	5MHz	16QAM	27685	1RB#0	Range4:1000~2288MHz	-62.63	PASS
Band30	5MHz	16QAM	27685	1RB#0	Range5:2288~2292MHz	-62.42	PASS
Band30	5MHz	16QAM	27685	1RB#0	Range6:2292~2296MHz	-59.18	PASS
Band30	5MHz	16QAM	27685	1RB#0	Range7:2296~2300MHz	-55.97	PASS
Band30	5MHz	16QAM	27685	1RB#0	Range1:2300~2305MHz	-19.77	PASS
Band30	5MHz	16QAM	27685	1RB#0	Range9:2320~2324MHz	-61.36	PASS
Band30	5MHz	16QAM	27685	1RB#0	Range10:2324~2328MHz	-62.55	PASS
Band30	5MHz	16QAM	27685	1RB#0	Range11:2328~2337MHz	-62.56	PASS
Band30	5MHz	16QAM	27685	1RB#0	Range12:2337~2341MHz	-62.76	PASS
Band30	5MHz	16QAM	27685	1RB#0	Range13:2341~2345MHz	-62.76	PASS
Band30	5MHz	16QAM	27685	1RB#0	Range14:2360~2365MHz	-62.78	PASS
Band30	5MHz	16QAM	27685	1RB#0	Range15:2365~26500MHz	-46.71	PASS
Band30	5MHz	16QAM	27710	1RB#0	Range1:0.009~0.15MHz	-71.13	PASS
Band30	5MHz	16QAM	27710	1RB#0	Range2:0.15~30MHz	-67.08	PASS
Band30	5MHz	16QAM	27710	1RB#0	Range3:30~1000MHz	-77.02	PASS
Band30	5MHz	16QAM	27710	1RB#0	Range4:1000~2288MHz	-62.61	PASS
Band30	5MHz	16QAM	27710	1RB#0	Range5:2288~2292MHz	-62.53	PASS
Band30	5MHz	16QAM	27710	1RB#0	Range6:2292~2296MHz	-61.71	PASS
Band30	5MHz	16QAM	27710	1RB#0	Range7:2296~2300MHz	-55.64	PASS
Band30	5MHz	16QAM	27710	1RB#0	Range8:2300~2305MHz	-46.77	PASS
Band30	5MHz	16QAM	27710	1RB#0	Range1:2300~2305MHz	-57.28	PASS
Band30	5MHz	16QAM	27710	1RB#0	Range9:2320~2324MHz	-60.3	PASS
Band30	5MHz	16QAM	27710	1RB#0	Range10:2324~2328MHz	-61.67	PASS
Band30	5MHz	16QAM	27710	1RB#0	Range11:2328~2337MHz	-62.52	PASS
Band30	5MHz	16QAM	27710	1RB#0	Range12:2337~2341MHz	-62.69	PASS

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Band30	5MHz	16QAM	27710	1RB#0	Range13:2341~2345MHz	-62.7	PASS
Band30	5MHz	16QAM	27710	1RB#0	Range14:2360~2365MHz	-62.69	PASS
Band30	5MHz	16QAM	27710	1RB#0	Range15:2365~26500MHz	-47.39	PASS
Band30	5MHz	16QAM	27735	1RB#0	Range1:0.009~0.15MHz	-70.99	PASS
Band30	5MHz	16QAM	27735	1RB#0	Range2:0.15~30MHz	-69.3	PASS
Band30	5MHz	16QAM	27735	1RB#0	Range3:30~1000MHz	-76.08	PASS
Band30	5MHz	16QAM	27735	1RB#0	Range4:1000~2288MHz	-62.48	PASS
Band30	5MHz	16QAM	27735	1RB#0	Range5:2288~2292MHz	-62.62	PASS
Band30	5MHz	16QAM	27735	1RB#0	Range6:2292~2296MHz	-62.35	PASS
Band30	5MHz	16QAM	27735	1RB#0	Range7:2296~2300MHz	-62.26	PASS
Band30	5MHz	16QAM	27735	1RB#0	Range1:2300~2305MHz	-61.05	PASS
Band30	5MHz	16QAM	27735	1RB#0	Range8:2300~2305MHz	-54.48	PASS
Band30	5MHz	16QAM	27735	1RB#0	Range9:2320~2324MHz	-53.36	PASS
Band30	5MHz	16QAM	27735	1RB#0	Range10:2324~2328MHz	-62.4	PASS
Band30	5MHz	16QAM	27735	1RB#0	Range11:2328~2337MHz	-62.5	PASS
Band30	5MHz	16QAM	27735	1RB#0	Range12:2337~2341MHz	-62.59	PASS
Band30	5MHz	16QAM	27735	1RB#0	Range13:2341~2345MHz	-62.74	PASS
Band30	5MHz	16QAM	27735	1RB#0	Range14:2360~2365MHz	-62.72	PASS
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Band30	10MHz	QPSK	27710	1RB#0	Range2:0.15~30MHz	-67.71	PASS
Band30	10MHz	QPSK	27710	1RB#0	Range3:30~1000MHz	-75.89	PASS
Band30	10MHz	QPSK	27710	1RB#0	Range4:1000~2288MHz	-61.94	PASS
Band30	10MHz	QPSK	27710	1RB#0	Range5:2288~2292MHz	-61.64	PASS
Band30	10MHz	QPSK	27710	1RB#0	Range6:2292~2296MHz	-54.23	PASS
Band30	10MHz	QPSK	27710	1RB#0	Range7:2296~2300MHz	-48.38	PASS
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Band30	10MHz	QPSK	27710	1RB#0	Range9:2320~2324MHz	-46.95	PASS
Band30	10MHz	QPSK	27710	1RB#0	Range10:2324~2328MHz	-52.82	PASS
Band30	10MHz	QPSK	27710	1RB#0	Range11:2328~2337MHz	-62.6	PASS
Band30	10MHz	QPSK	27710	1RB#0	Range12:2337~2341MHz	-62.6	PASS
Band30	10MHz	QPSK	27710	1RB#0	Range13:2341~2345MHz	-62.67	PASS
Band30	10MHz	QPSK	27710	1RB#0	Range14:2360~2365MHz	-62.72	PASS
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Band30	10MHz	16QAM	27710	1RB#0	Range1:0.009~0.15MHz	-70.25	PASS
Band30	10MHz	16QAM	27710	1RB#0	Range2:0.15~30MHz	-64.16	PASS
Band30	10MHz	16QAM	27710	1RB#0	Range3:30~1000MHz	-76.46	PASS
Band30	10MHz	16QAM	27710	1RB#0	Range4:1000~2288MHz	-62.33	PASS
Band30	10MHz	16QAM	27710	1RB#0	Range5:2288~2292MHz	-61.82	PASS
Band30	10MHz	16QAM	27710	1RB#0	Range6:2292~2296MHz	-55.42	PASS

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Band30	10MHz	16QAM	27710	1RB#0	Range7:2296~2300MHz	-48.45	PASS
Band30	10MHz	16QAM	27710	1RB#0	Range1:2300~2305MHz	-22.67	PASS
Band30	10MHz	16QAM	27710	1RB#0	Range9:2320~2324MHz	-47.16	PASS
Band30	10MHz	16QAM	27710	1RB#0	Range10:2324~2328MHz	-53.29	PASS
Band30	10MHz	16QAM	27710	1RB#0	Range11:2328~2337MHz	-62.5	PASS
Band30	10MHz	16QAM	27710	1RB#0	Range12:2337~2341MHz	-62.73	PASS
Band30	10MHz	16QAM	27710	1RB#0	Range13:2341~2345MHz	-62.74	PASS
Band30	10MHz	16QAM	27710	1RB#0	Range14:2360~2365MHz	-62.66	PASS
Band30	10MHz	16QAM	27710	1RB#0	Range15:2365~26500MHz	-47.74	PASS

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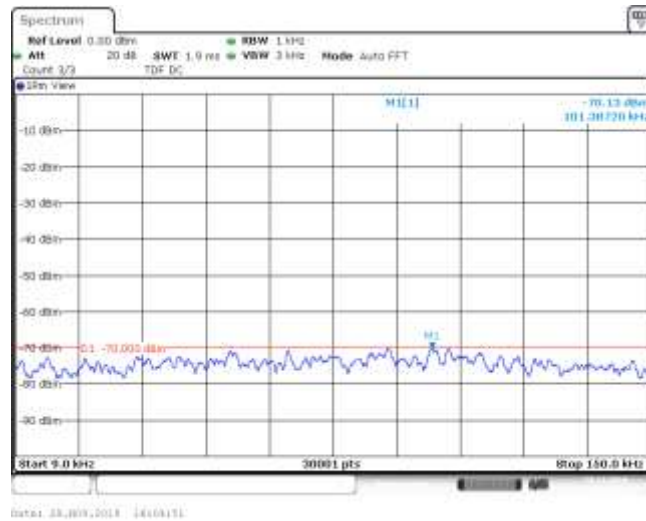
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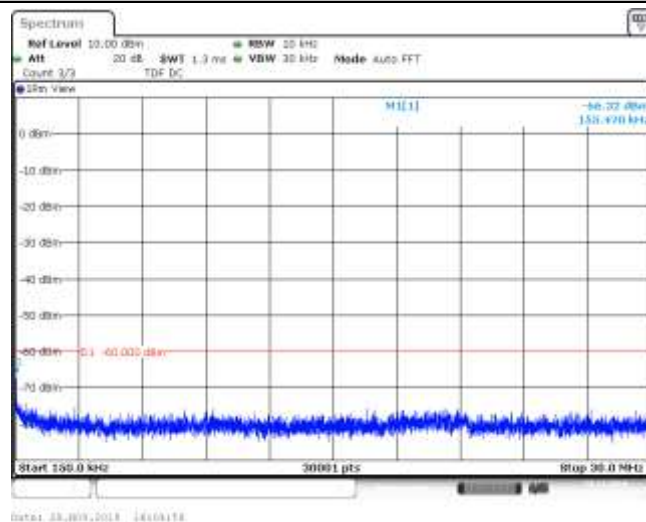
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Test Graphs

Band30_5MHz_QPSK_27685_1RB#0



Band30_5MHz_QPSK_27685_1RB#0



Band30_5MHz_QPSK_27685_1RB#0

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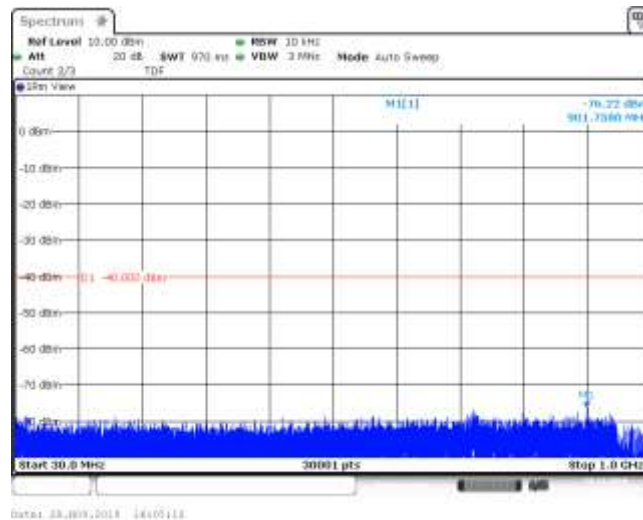
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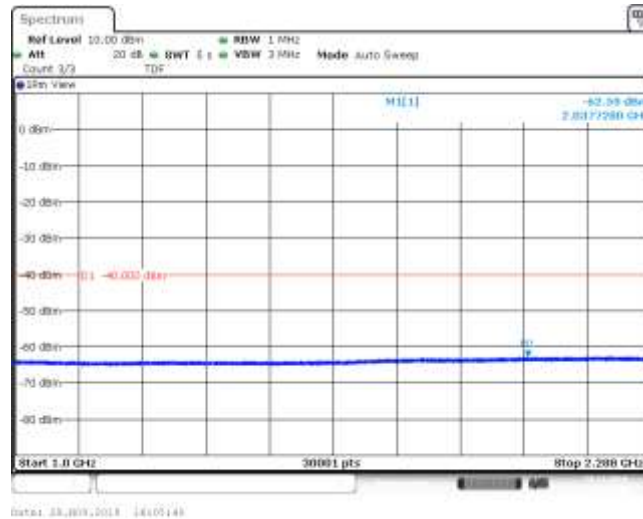
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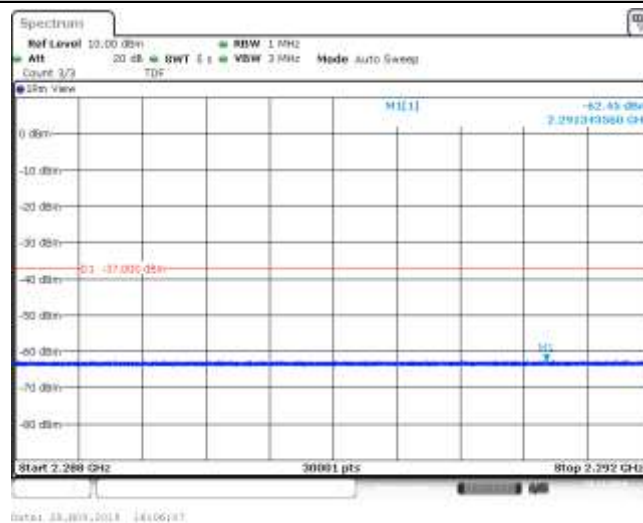
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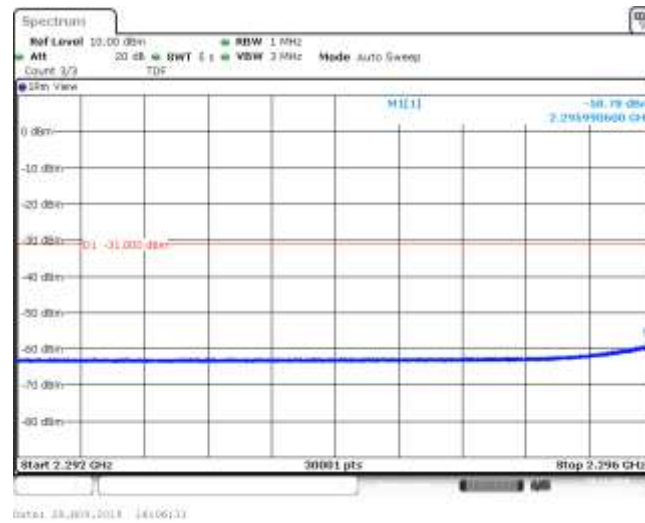
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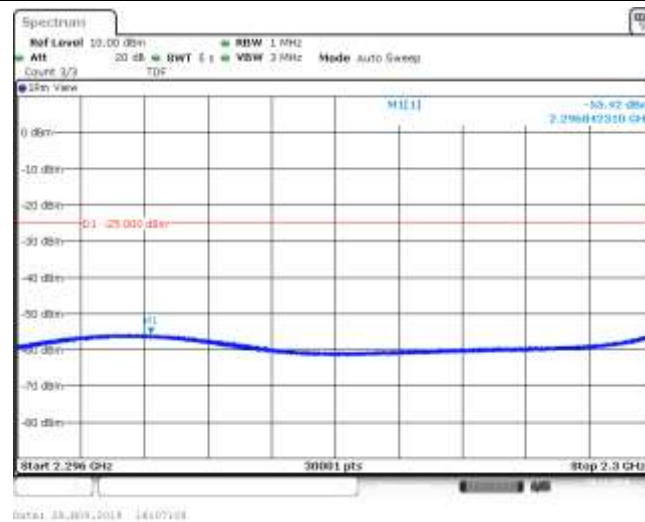
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Band30_5MHz_QPSK_27685_1RB#0



Band30_5MHz_QPSK_27685_1RB#0

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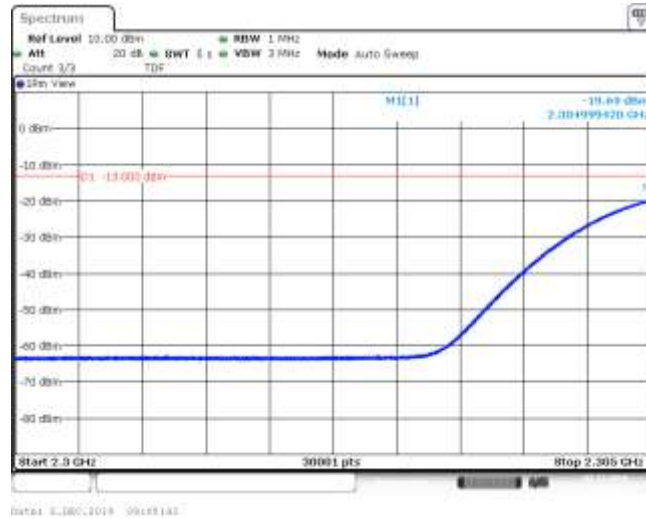
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Tel.: (86)755-27521059

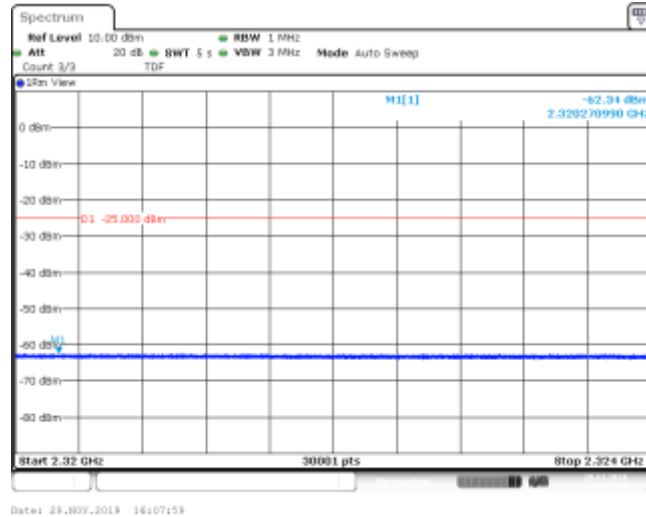
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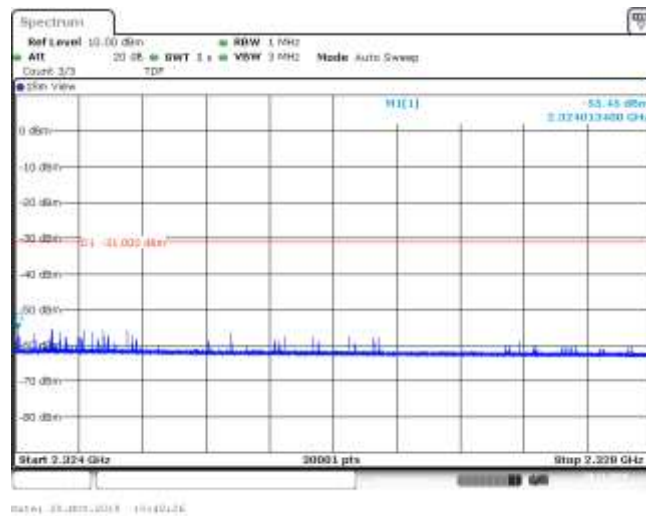

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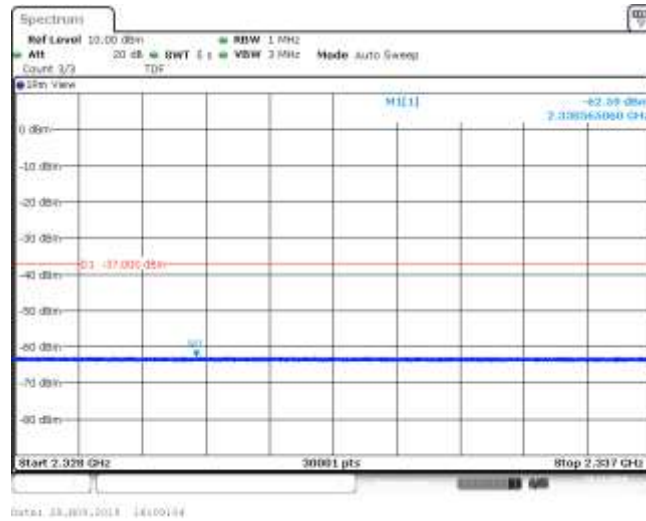
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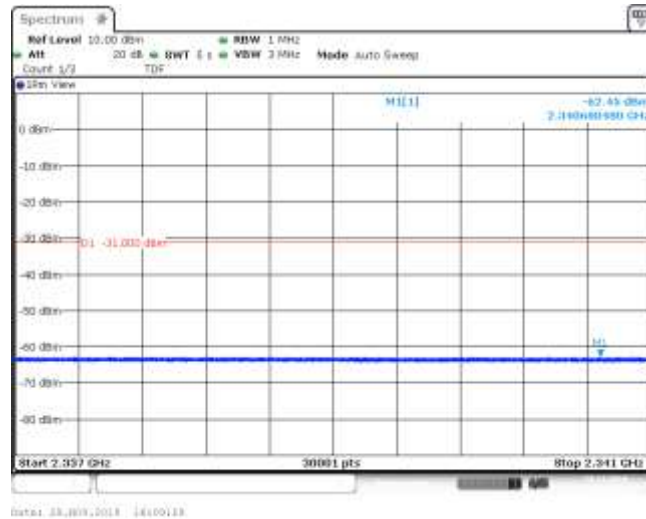
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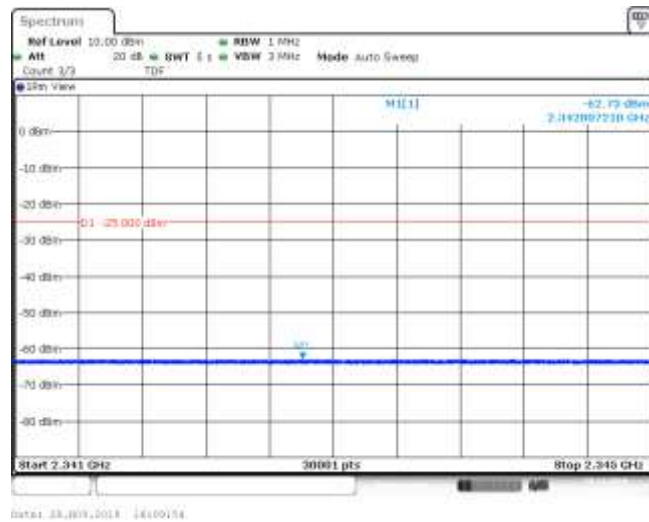
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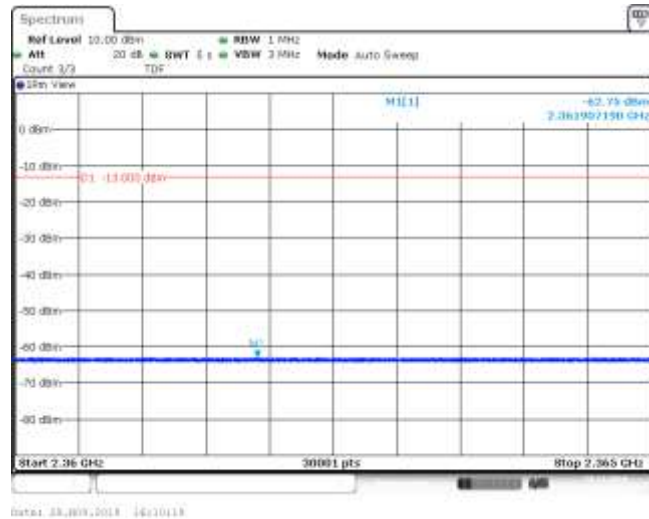
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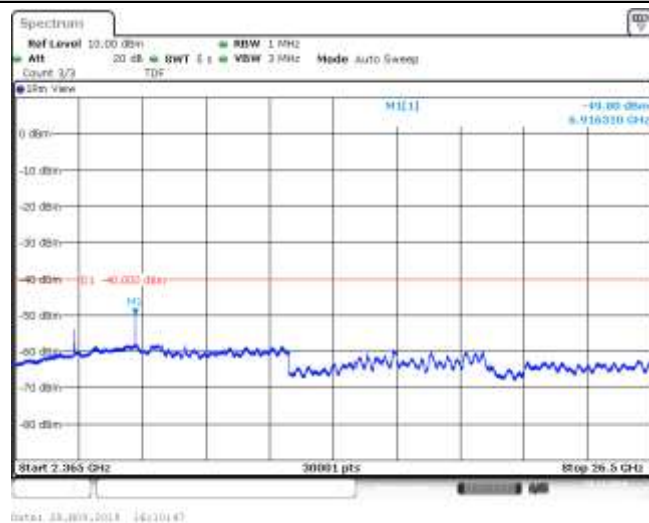
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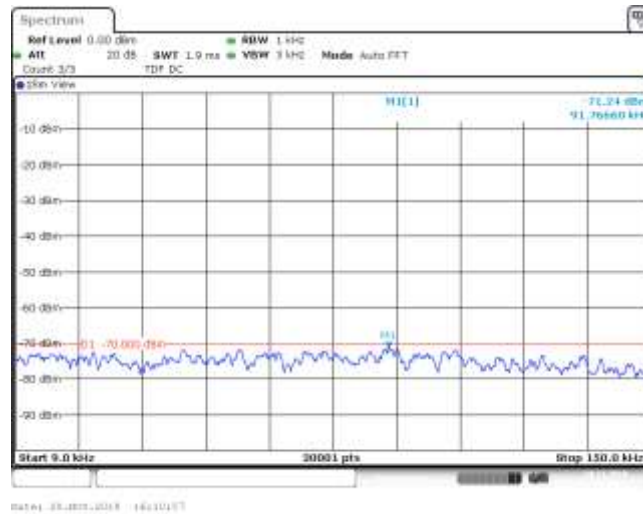
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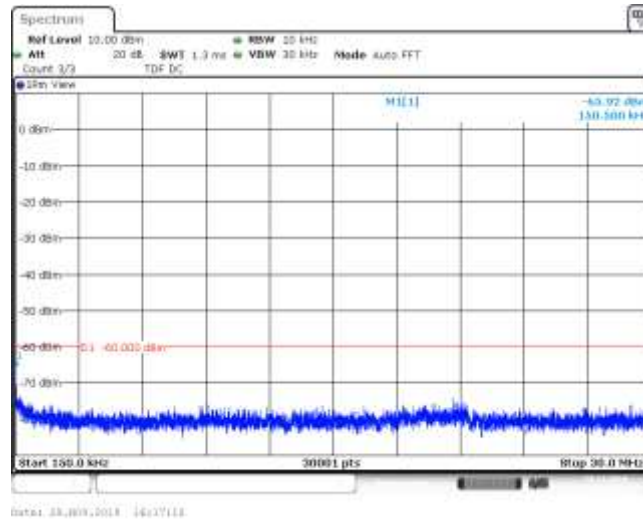
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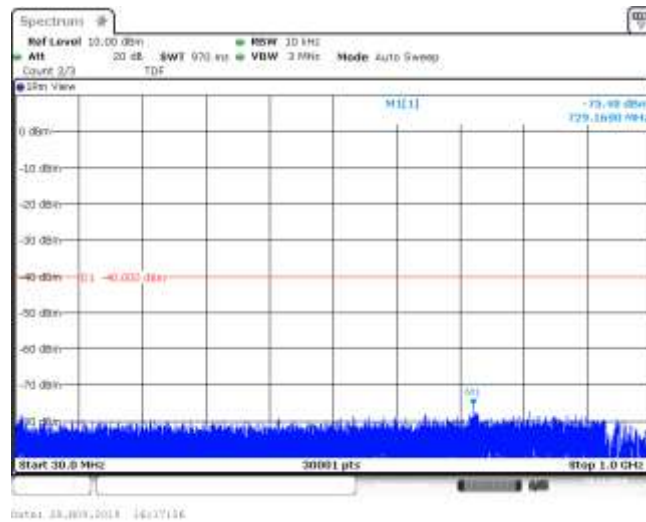
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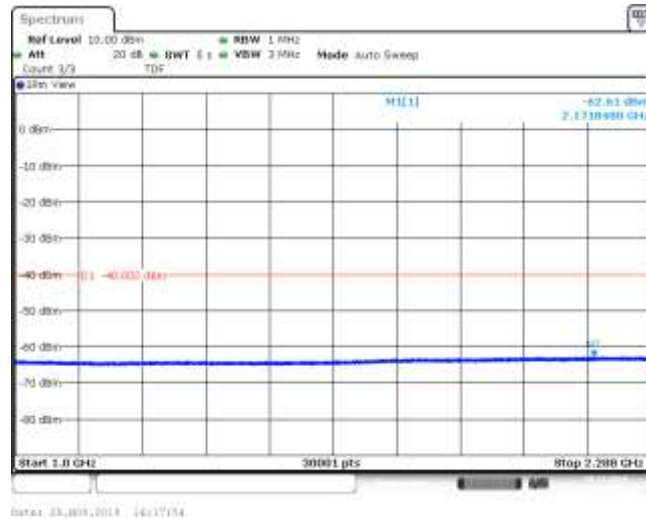
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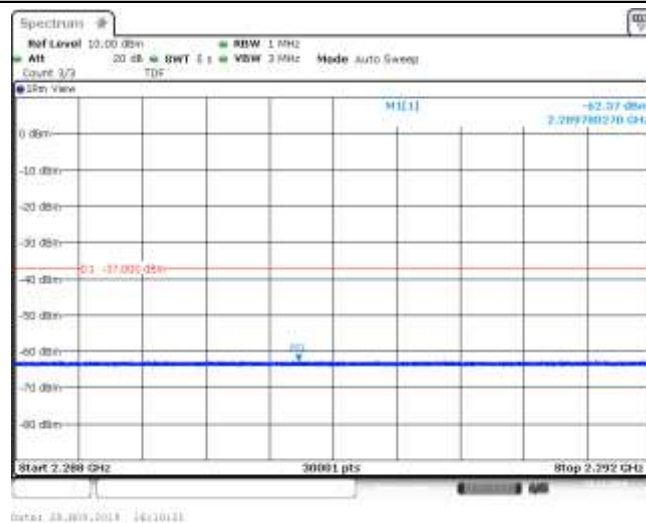
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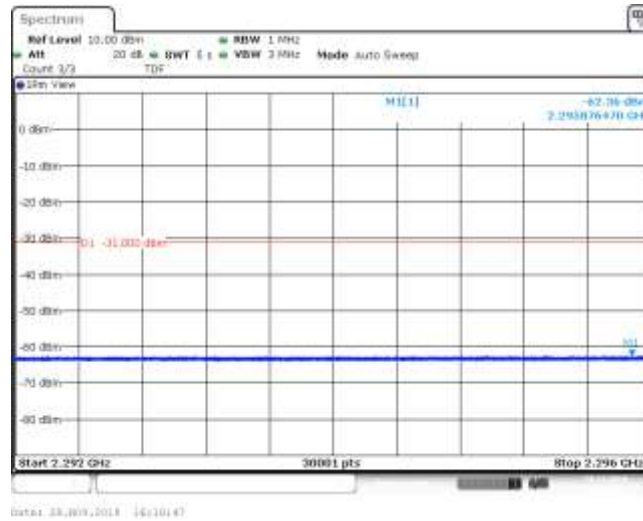
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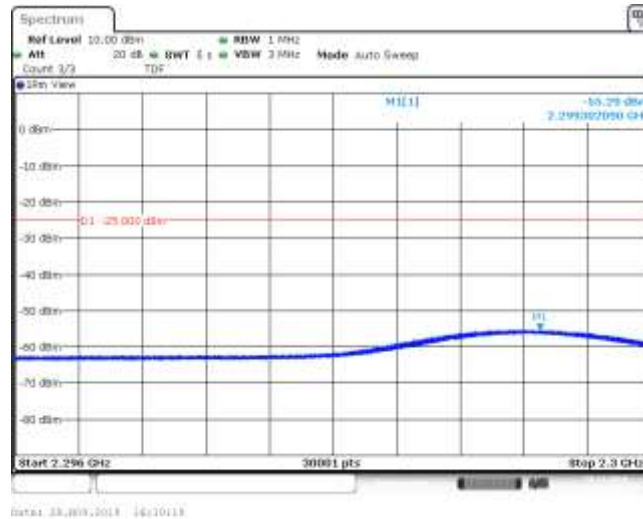
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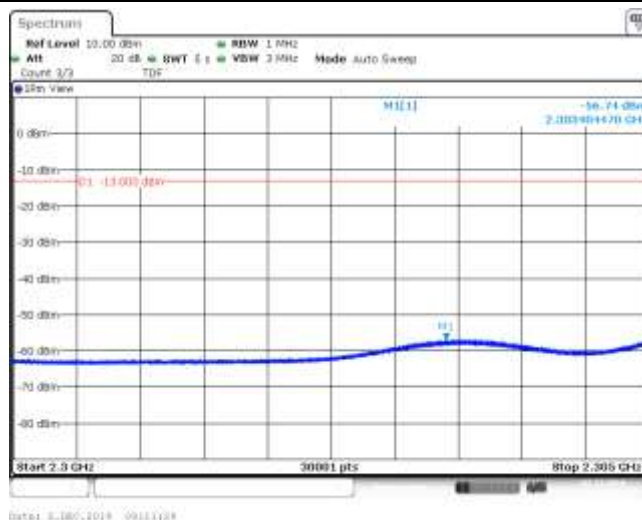
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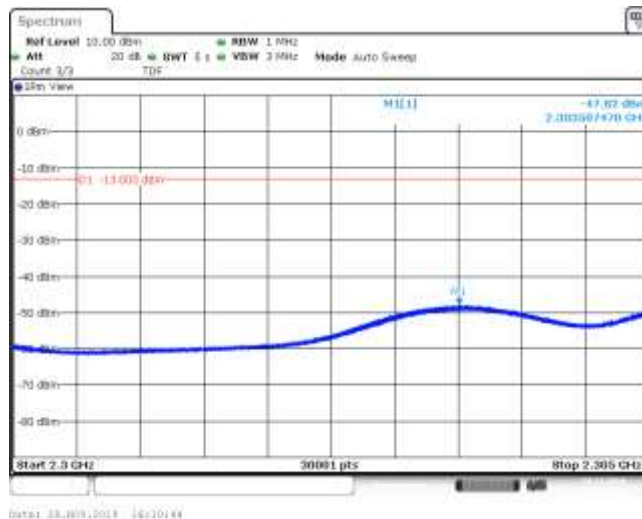
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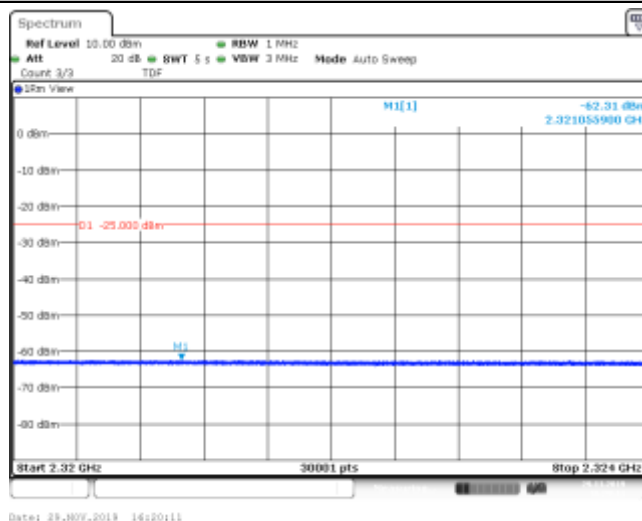

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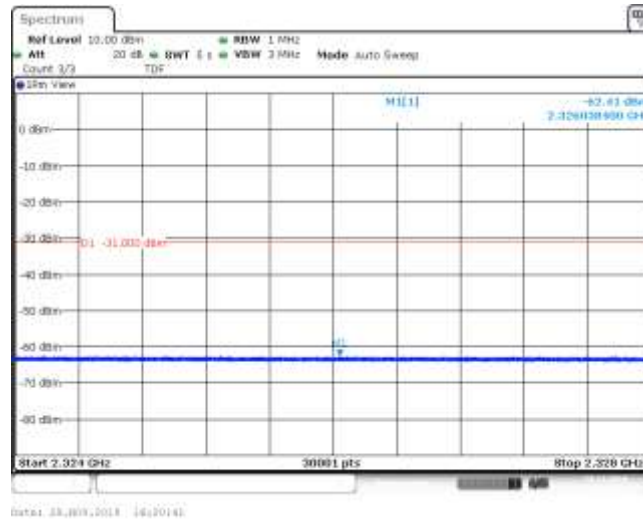
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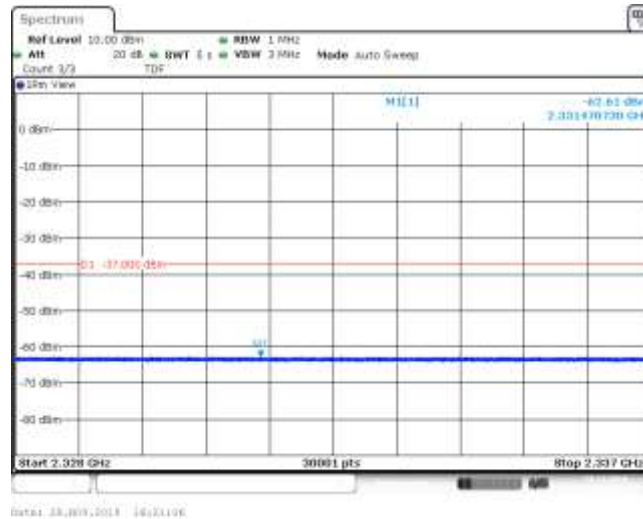
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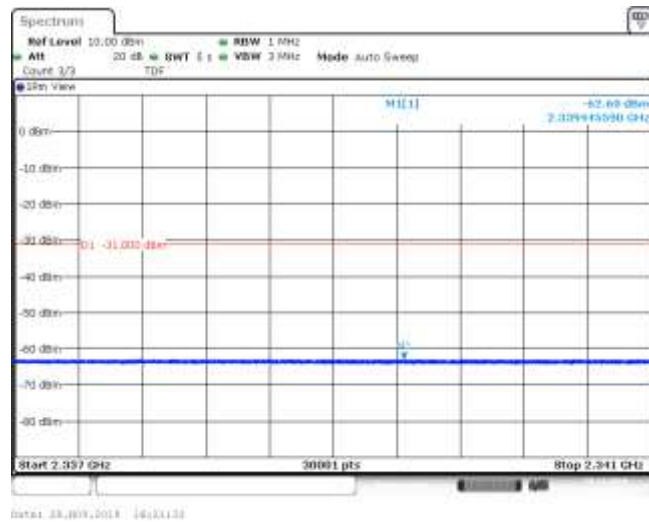
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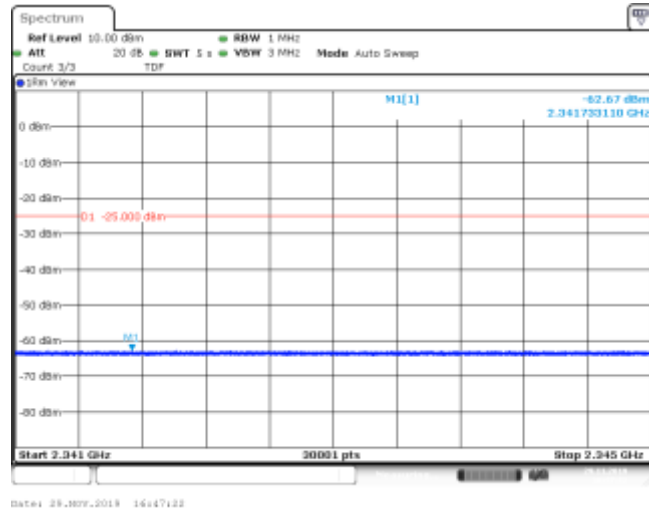
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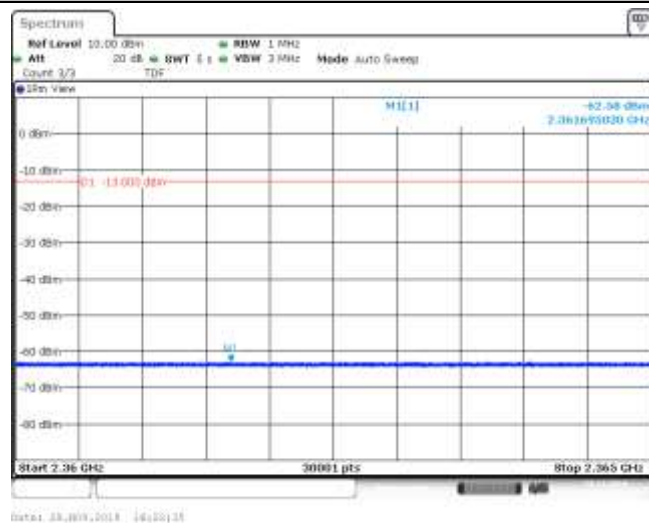
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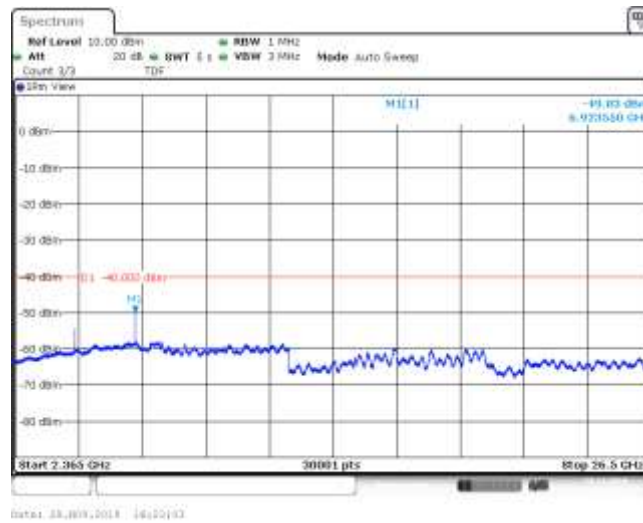
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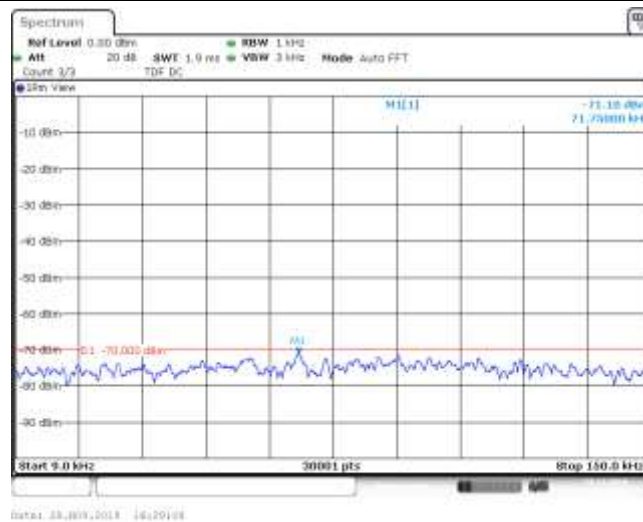
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Band30_5MHz_QPSK_27710_1RB#0



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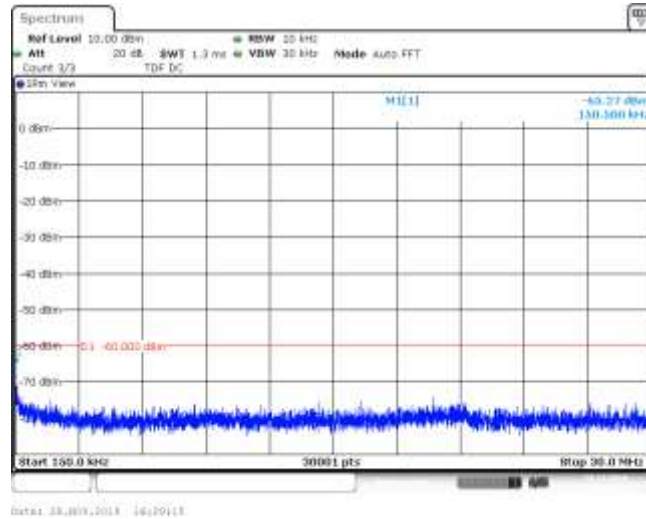
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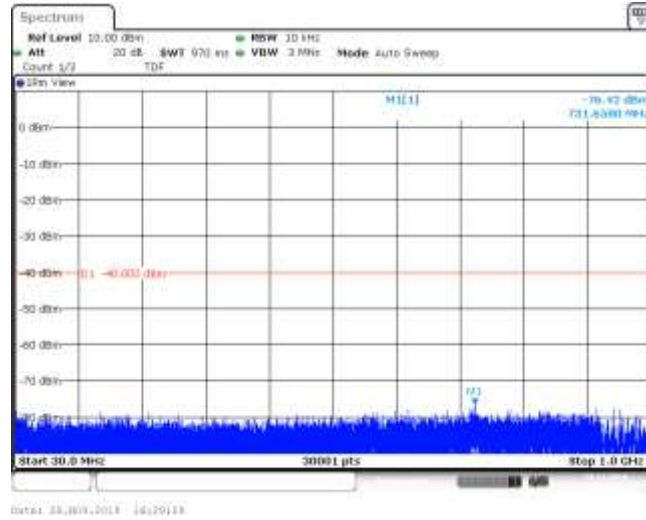
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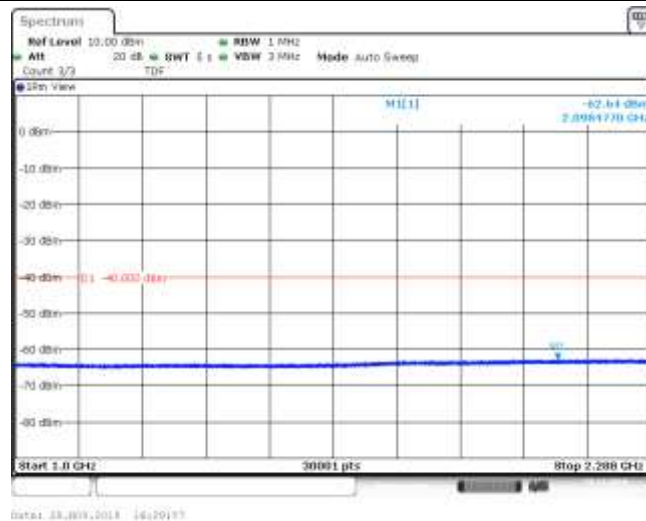

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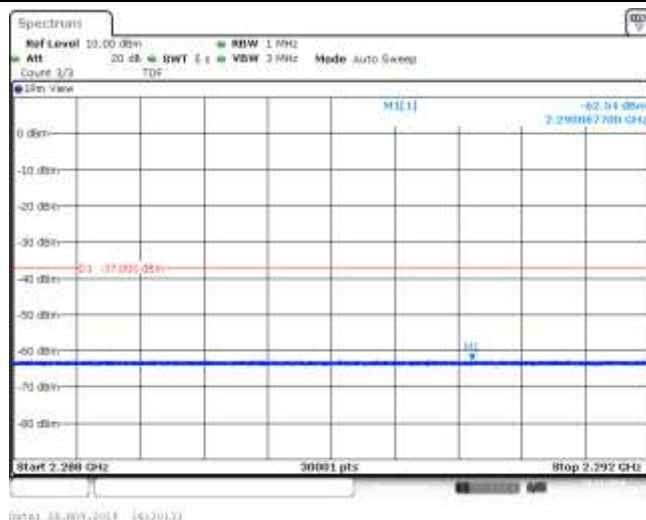
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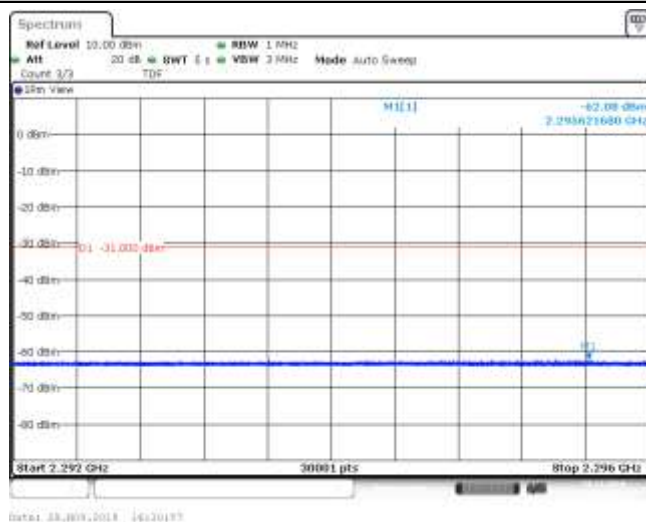
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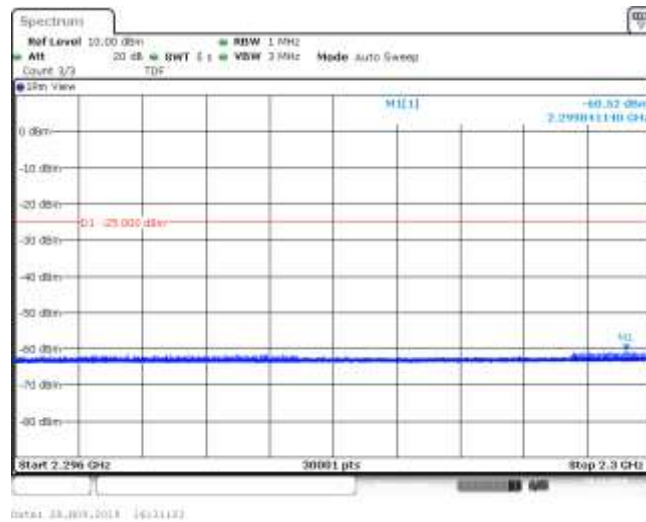
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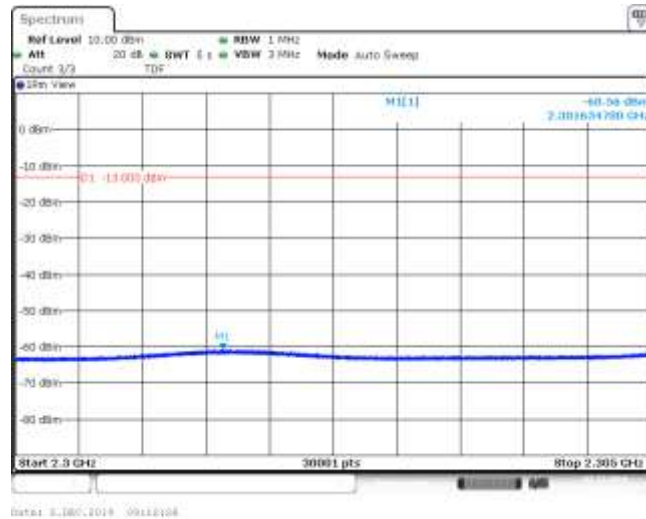
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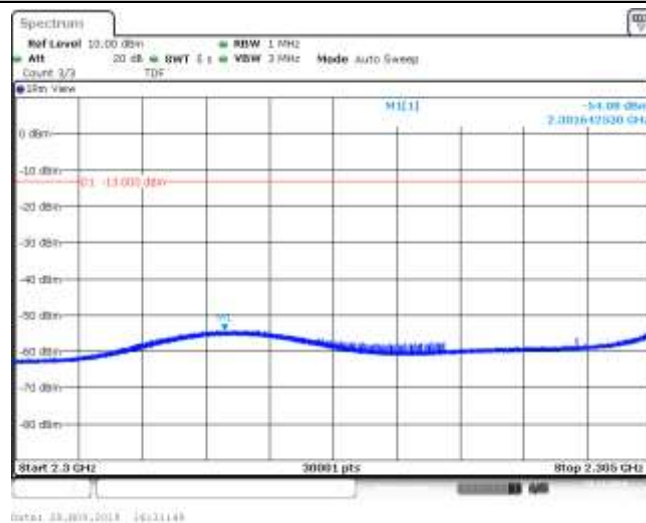
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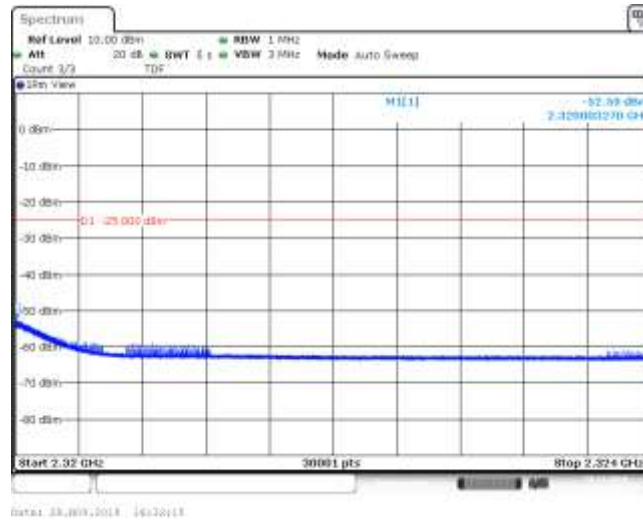
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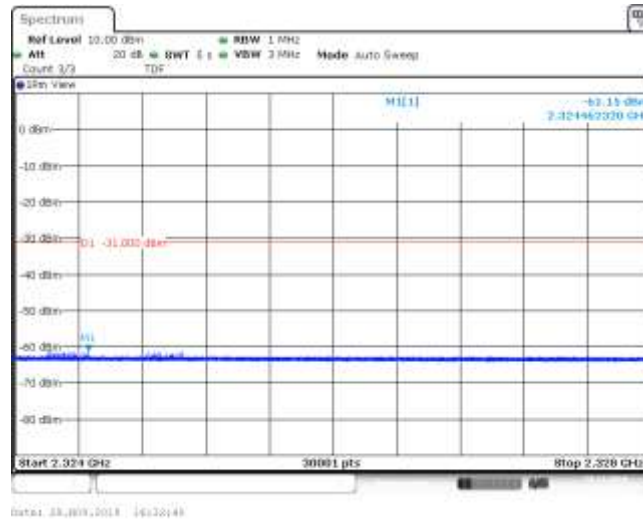
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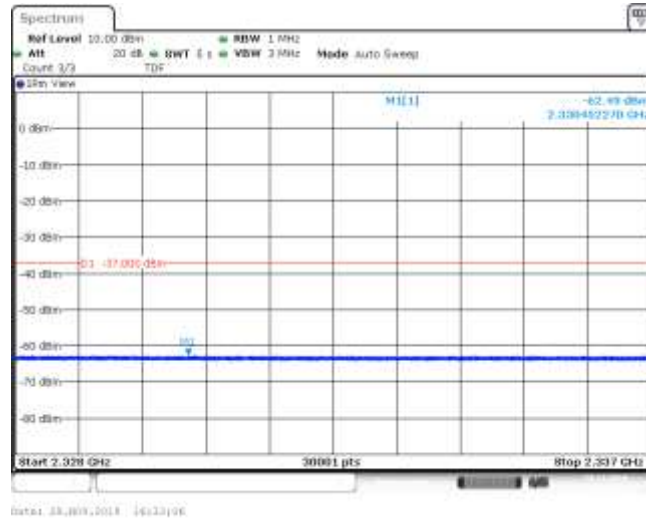
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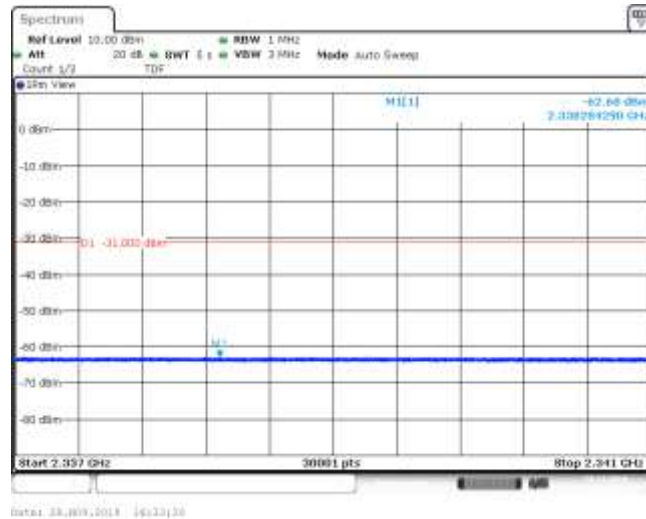
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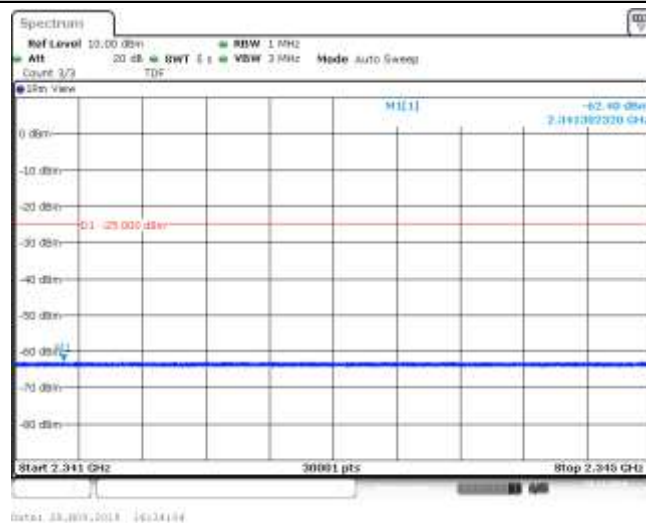

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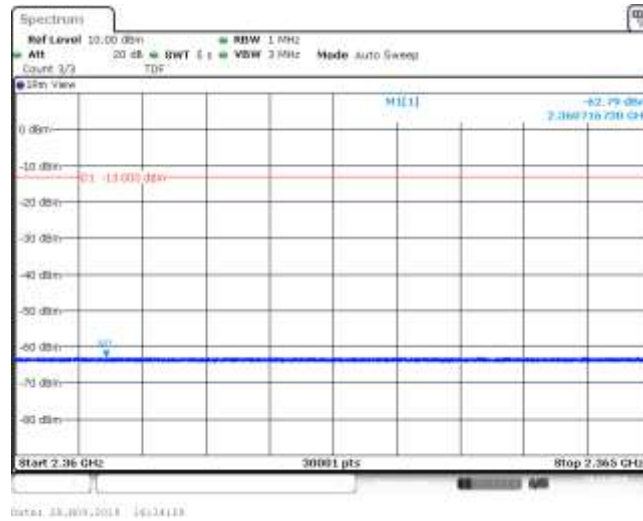
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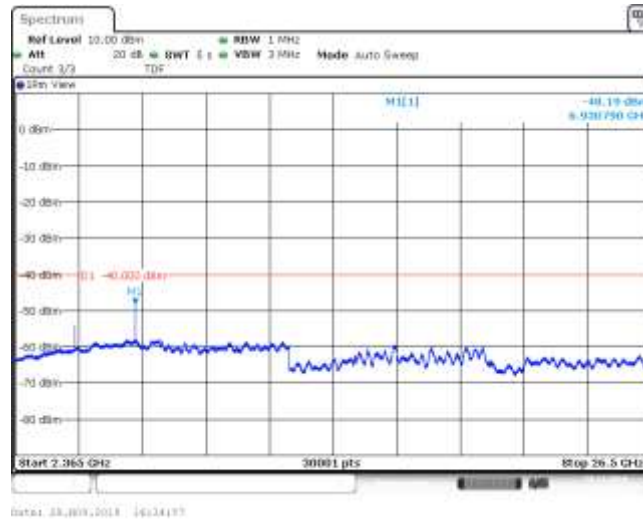
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Band30_5MHz_QPSK_27735_1RB#0



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Band30_5MHz_16QAM_27685_1RB#0

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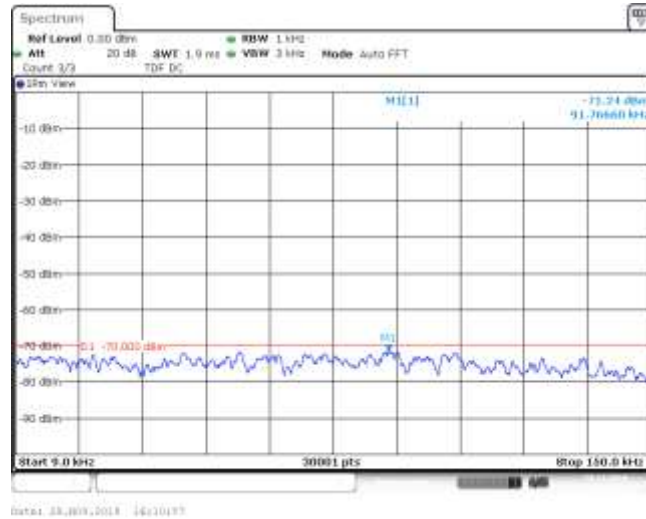
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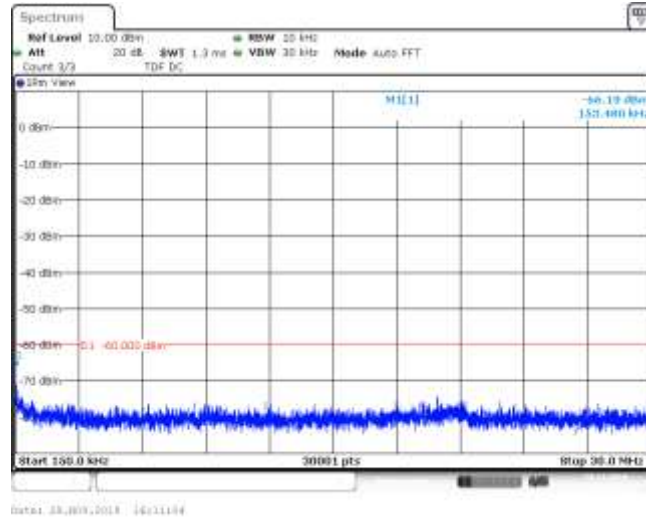
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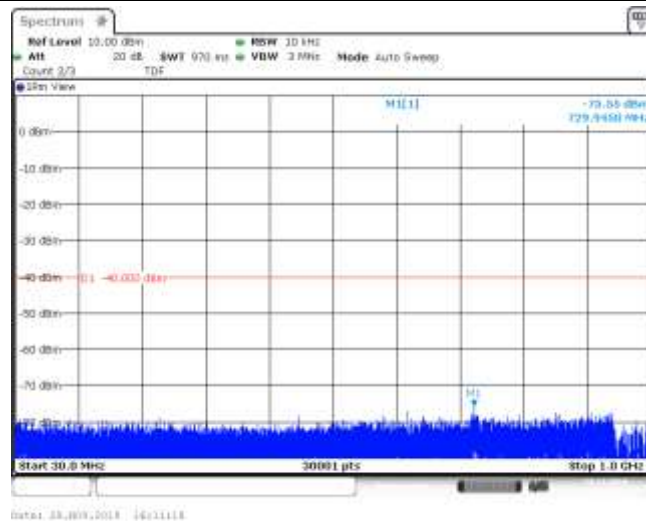

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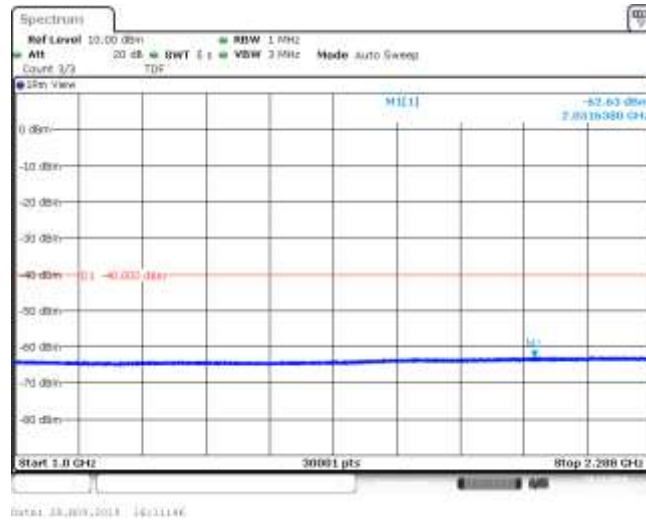
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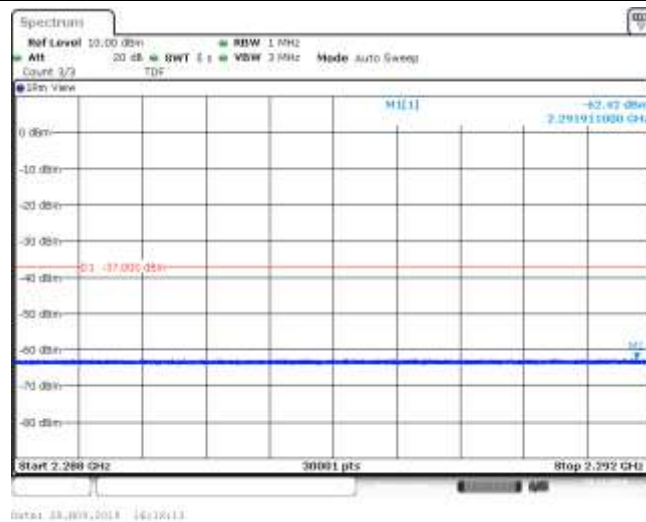
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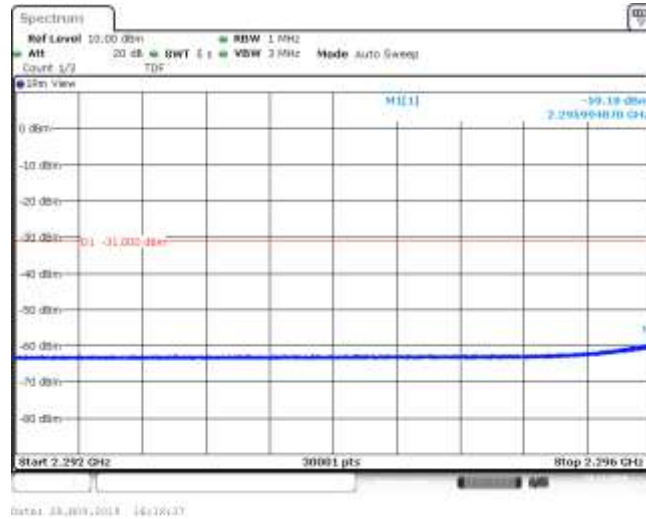
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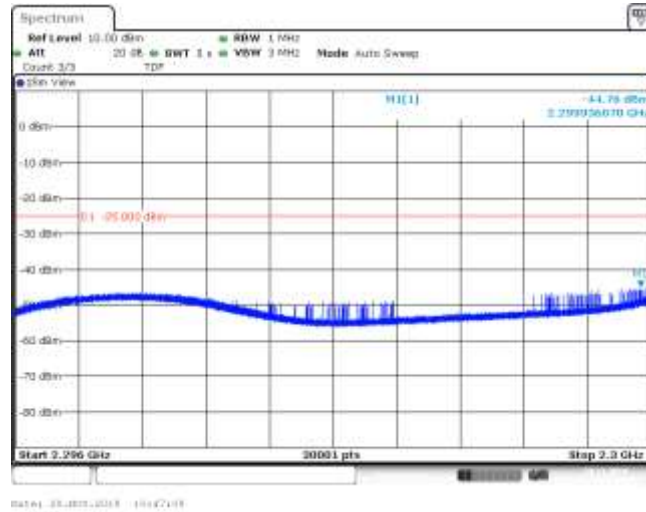
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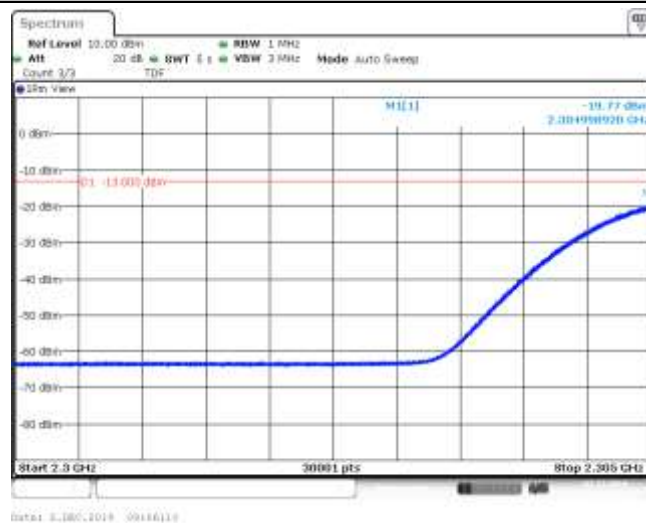
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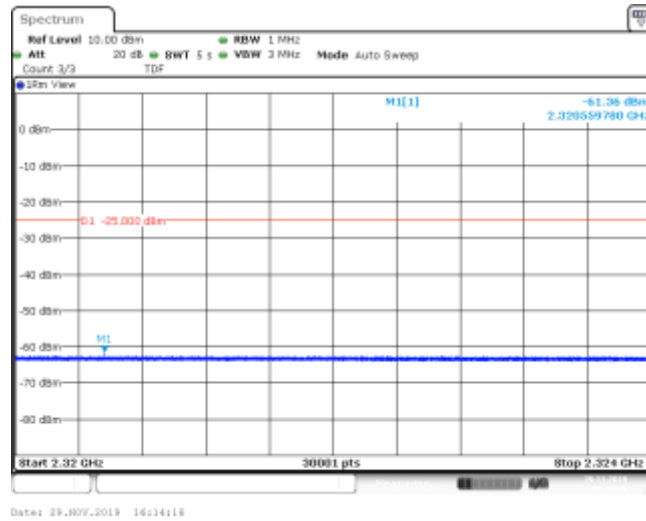
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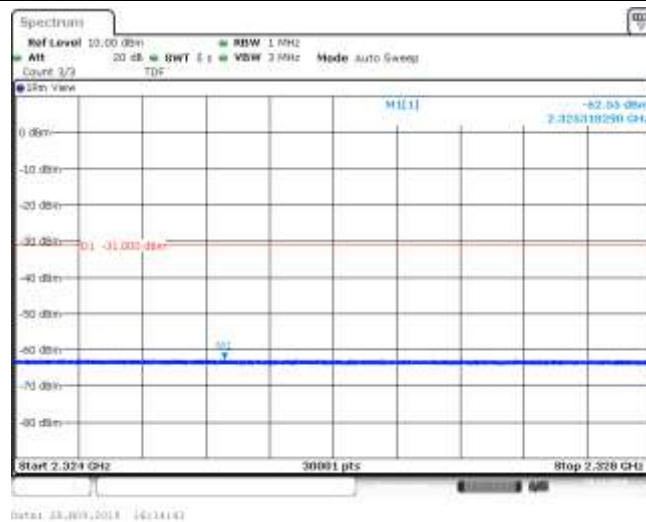
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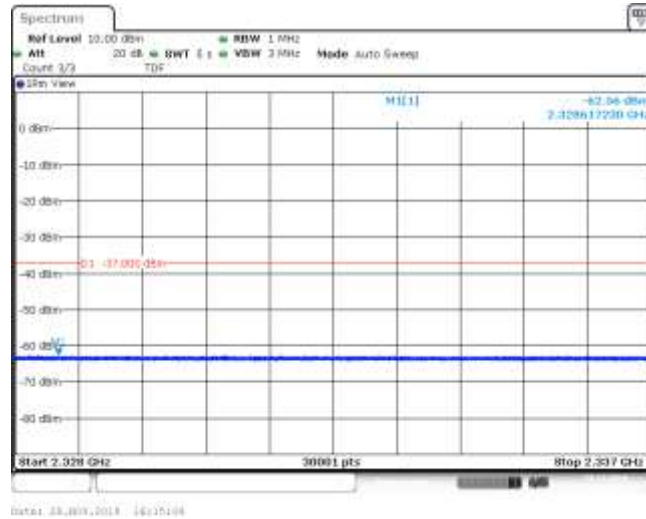
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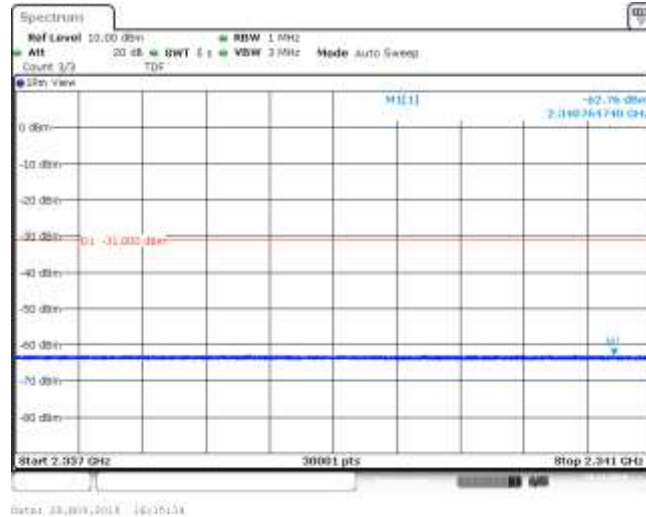
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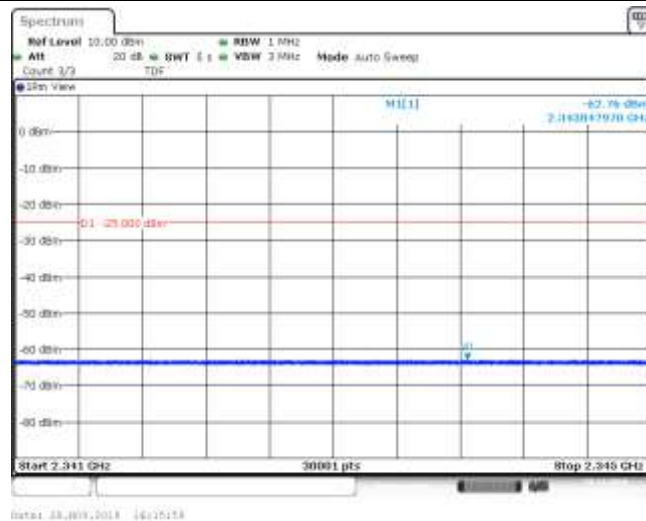
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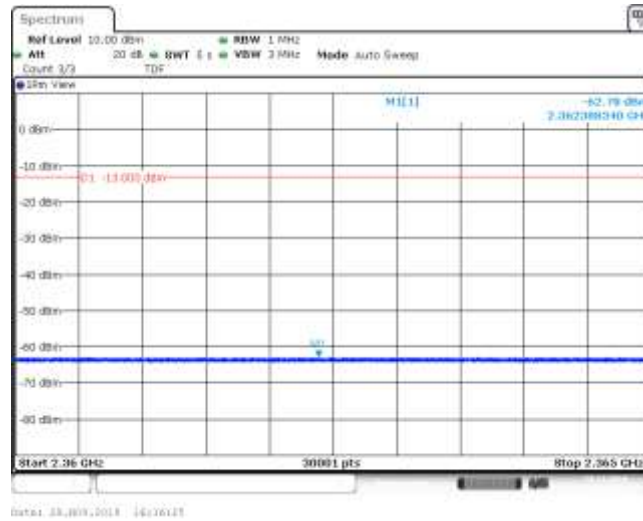
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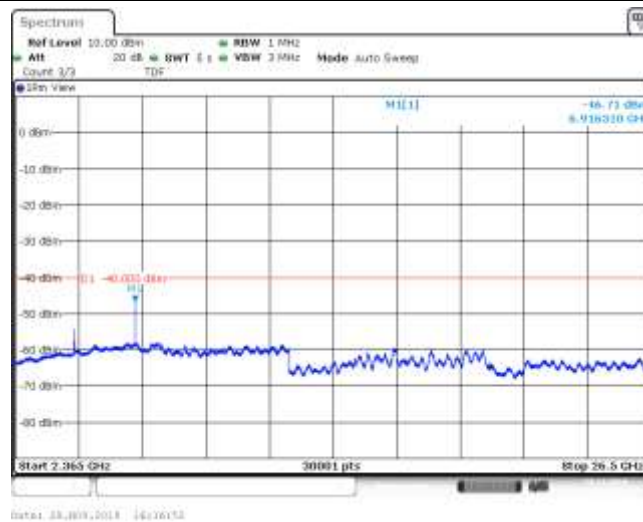
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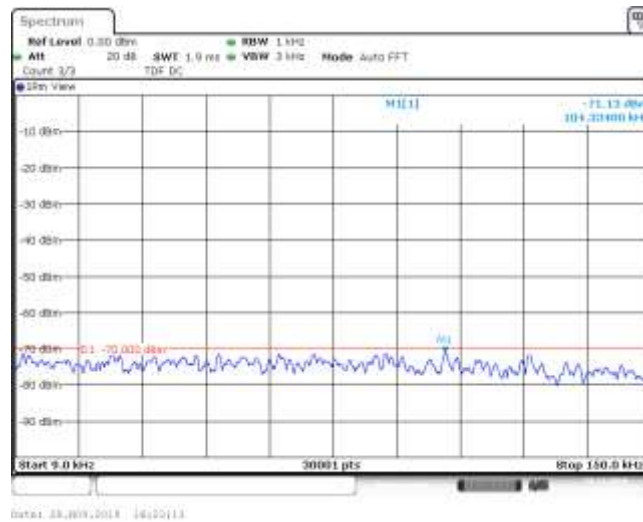
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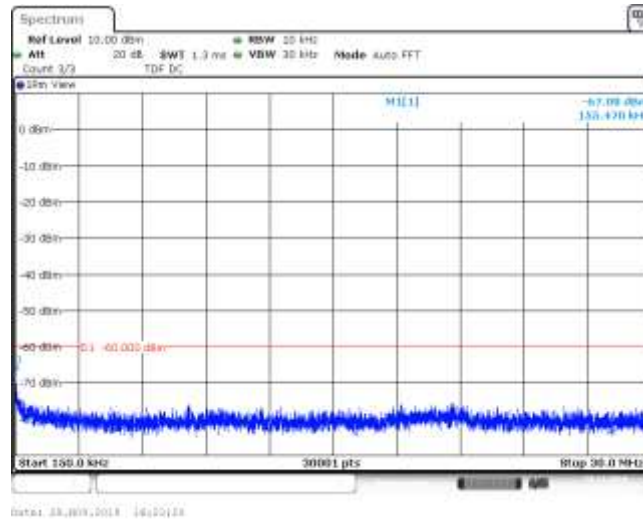
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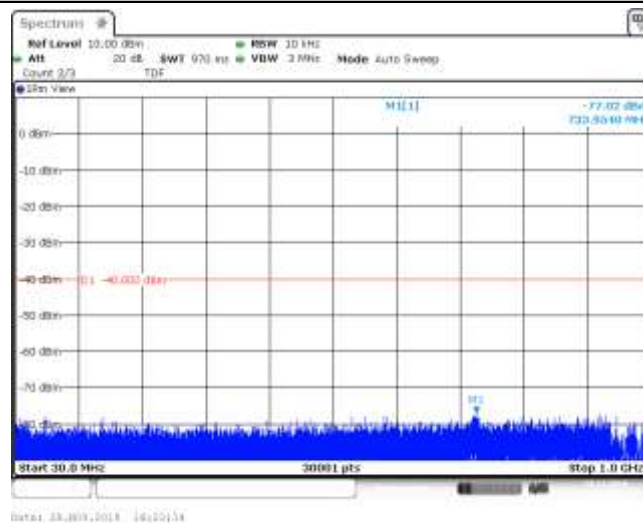
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Band30_5MHz_16QAM_27710_1RB#0



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2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

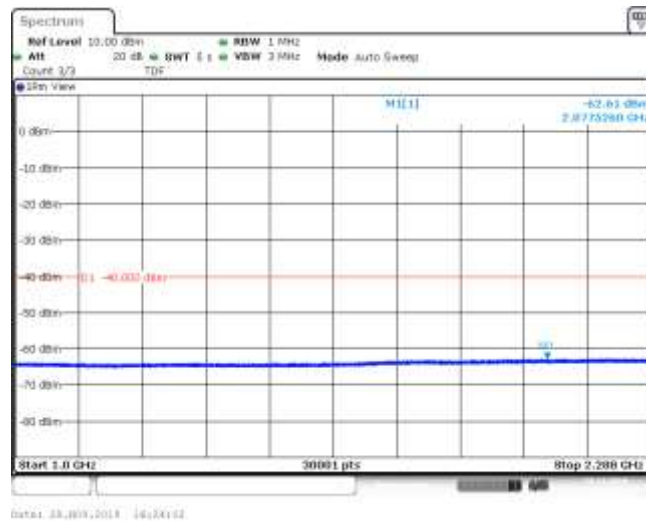
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Fax: (86)755-27521011

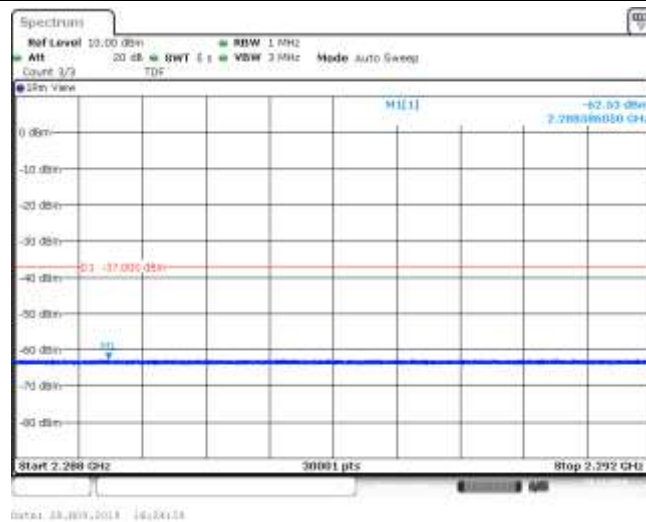
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Band30_5MHz_16QAM_27710_1RB#0



Band30_5MHz_16QAM_27710_1RB#0



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CTC Laboratories, Inc.

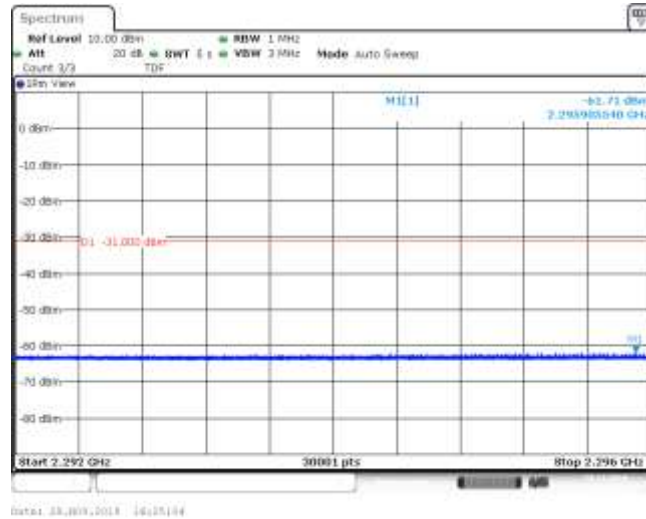
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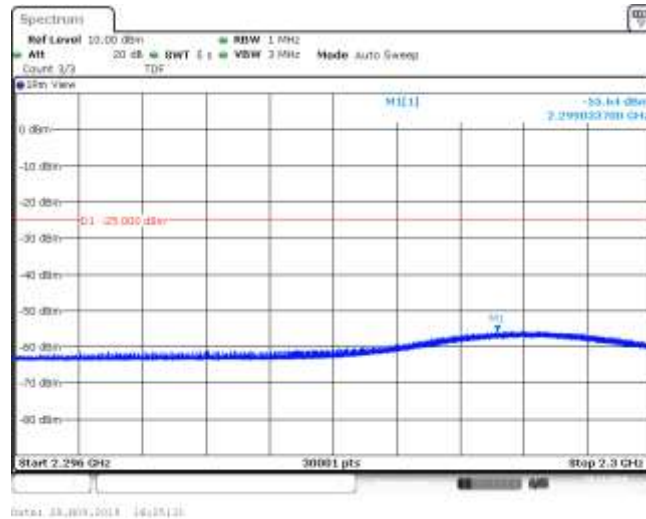
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Http://www.sz-ctc.org.cn

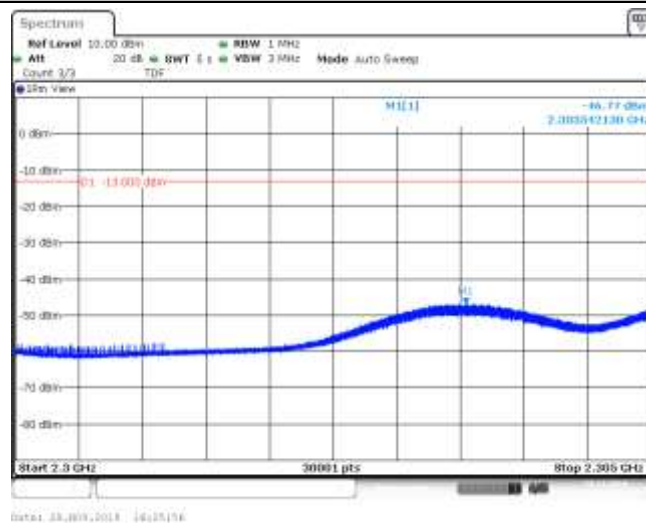
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Band30_5MHz_16QAM_27710_1RB#0



Band30_5MHz_16QAM_27710_1RB#0



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2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

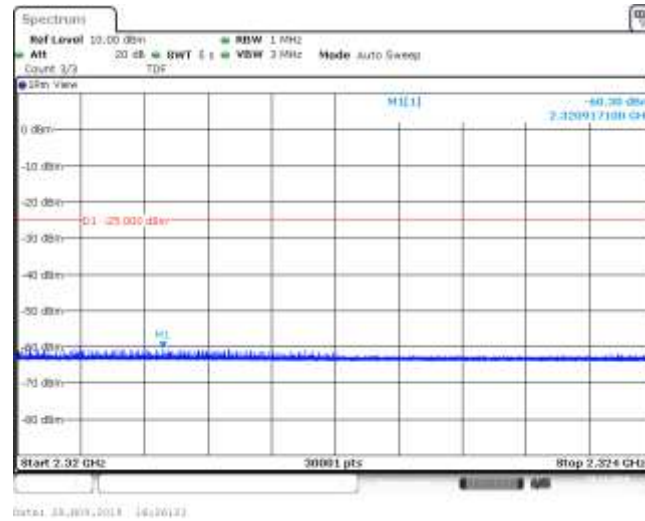
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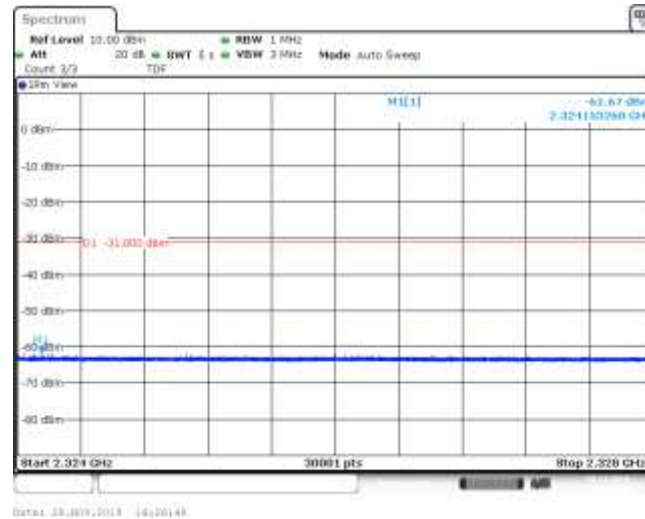
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Band30_5MHz_16QAM_27710_1RB#0



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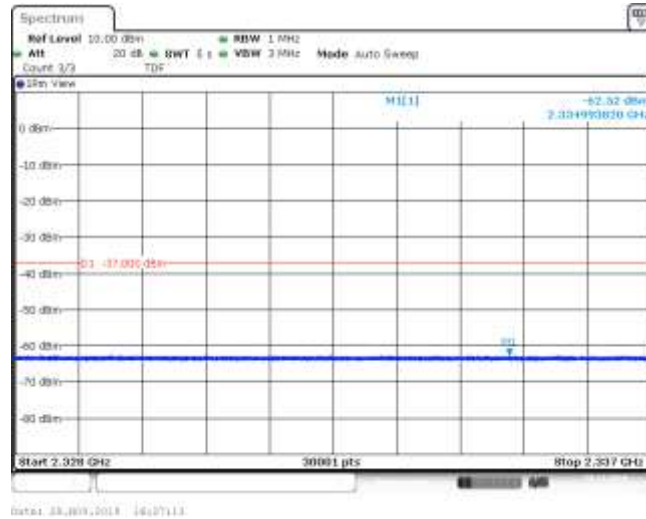
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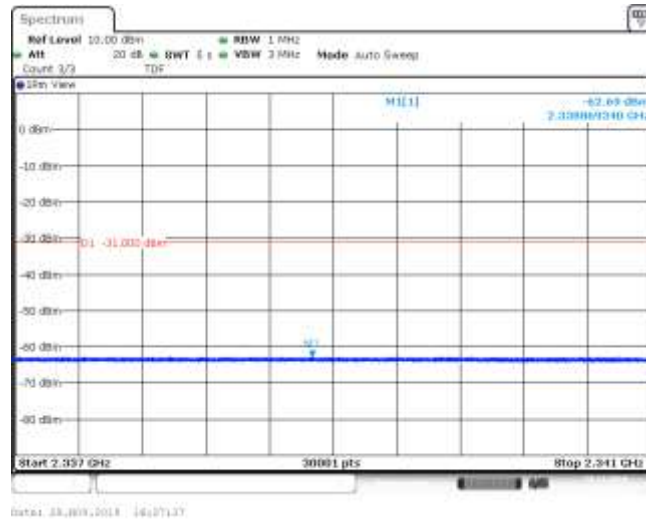
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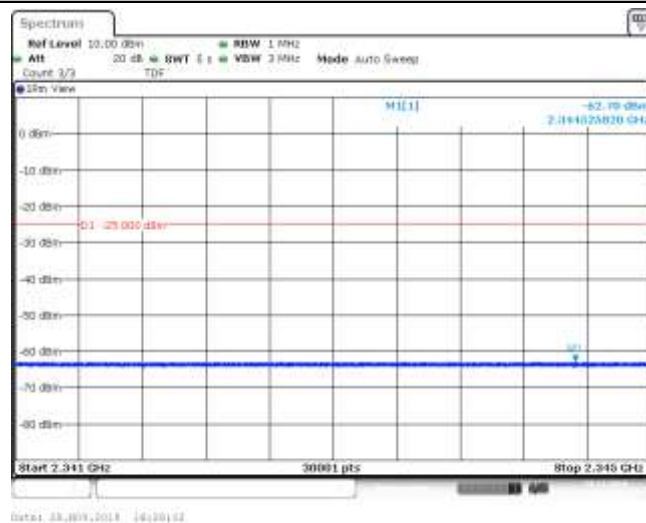

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Band30_5MHz_16QAM_27710_1RB#0



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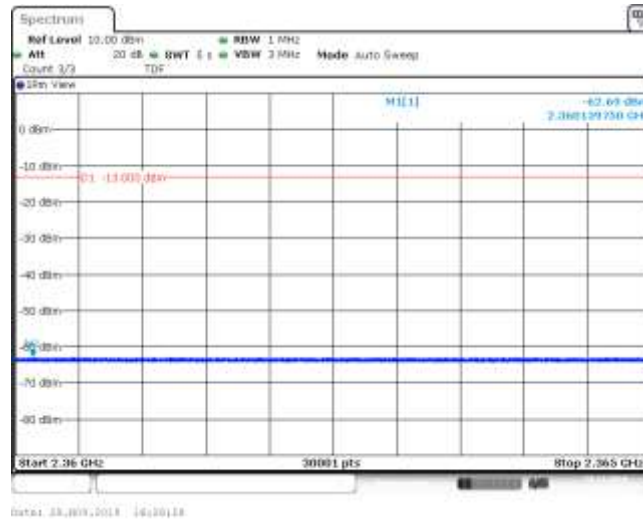
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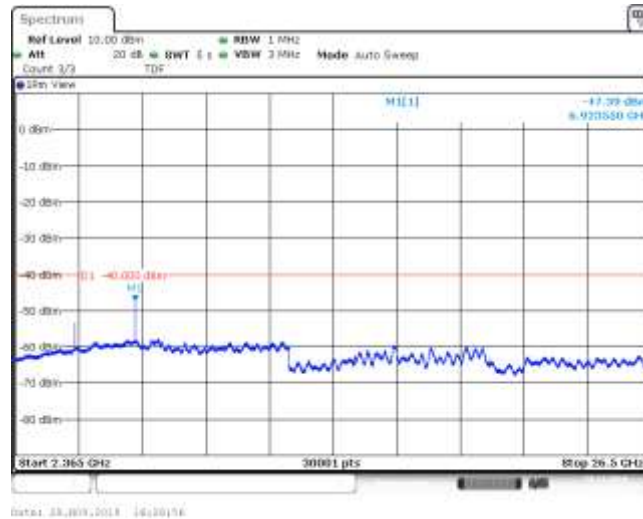
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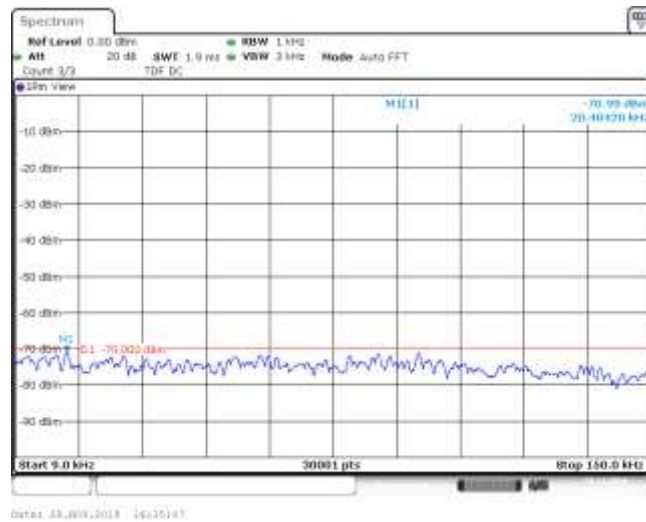
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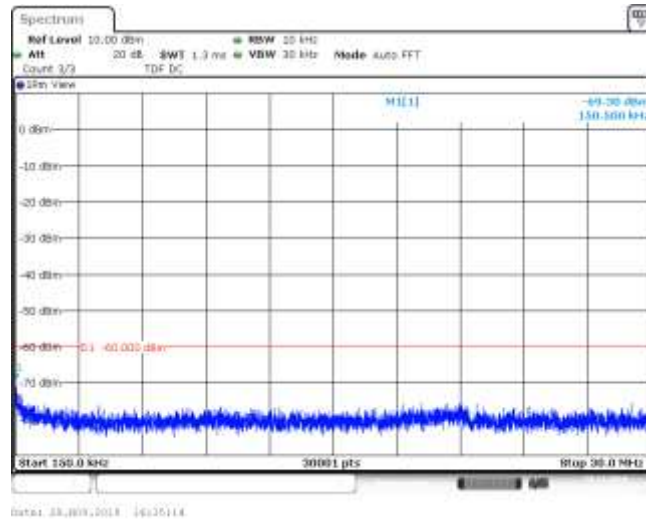
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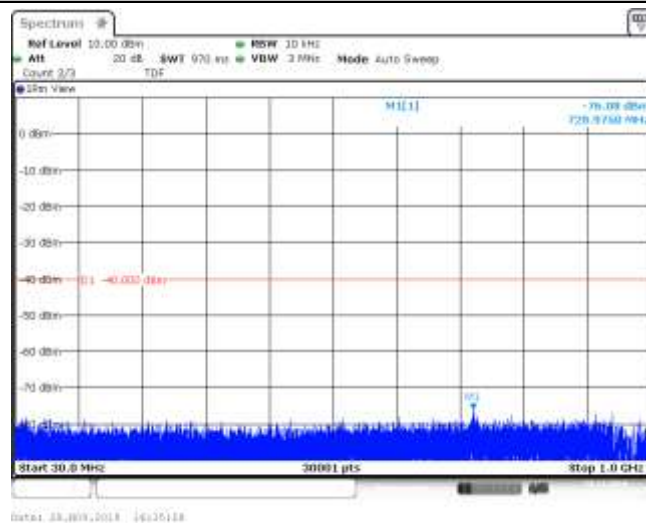
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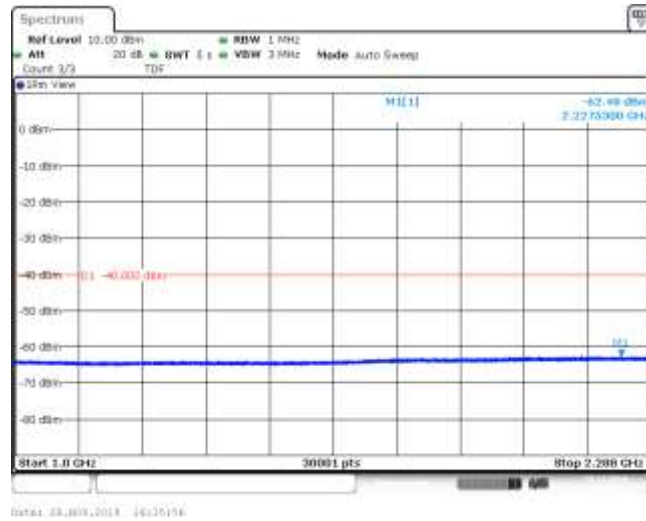
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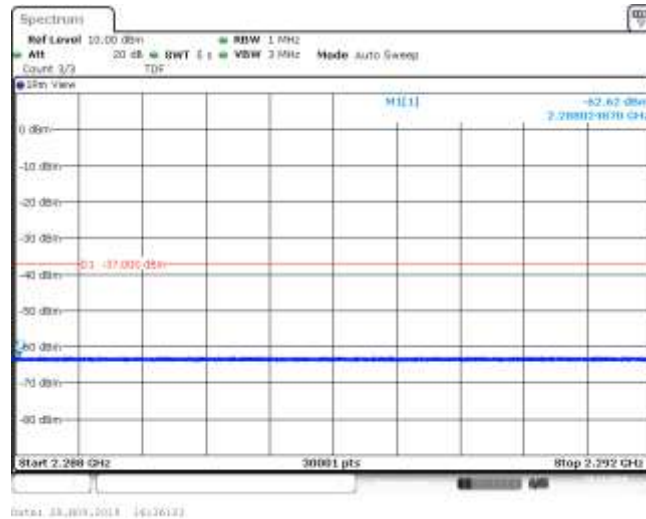
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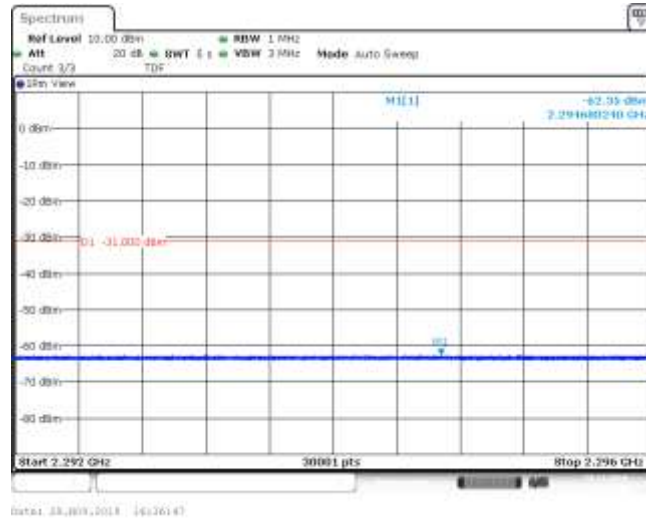
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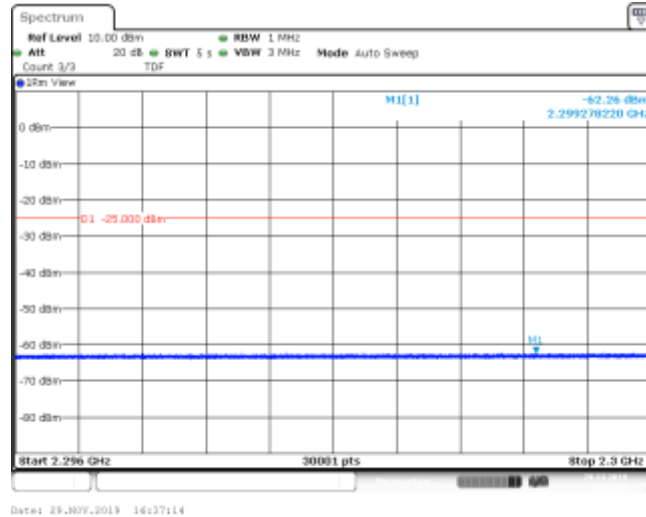
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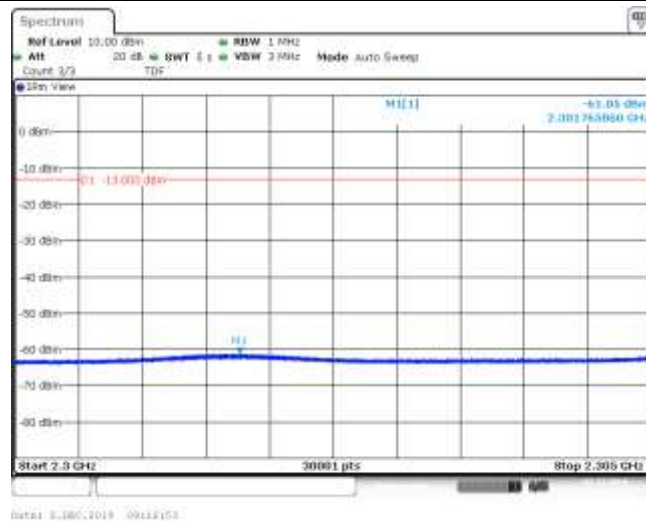
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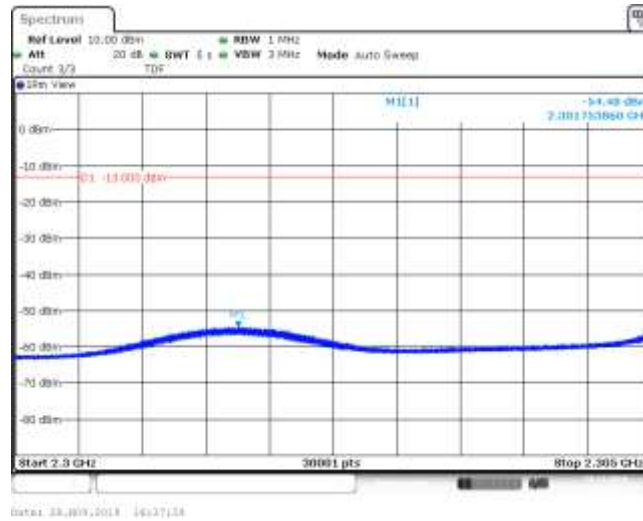
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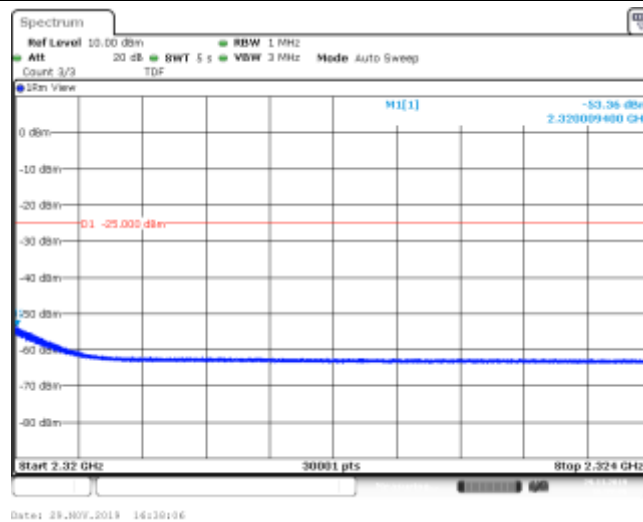
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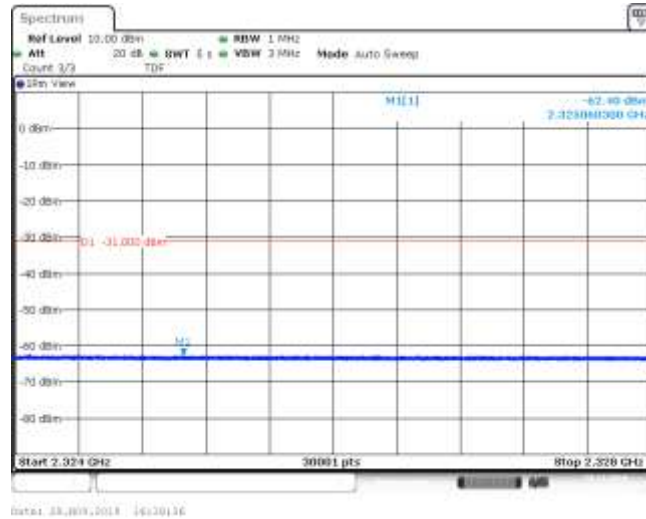
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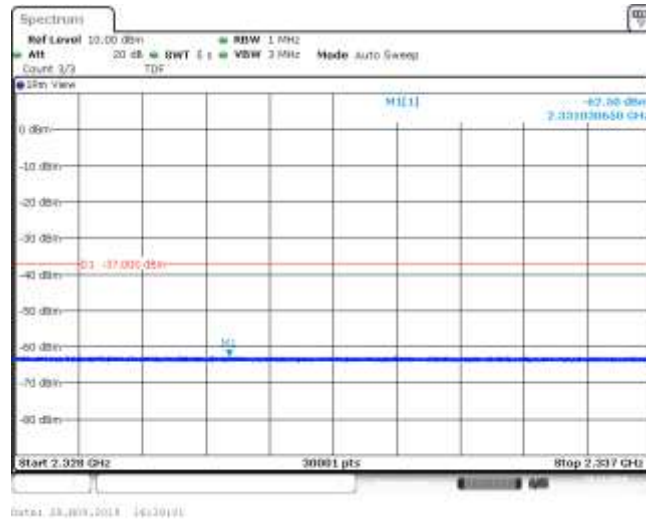
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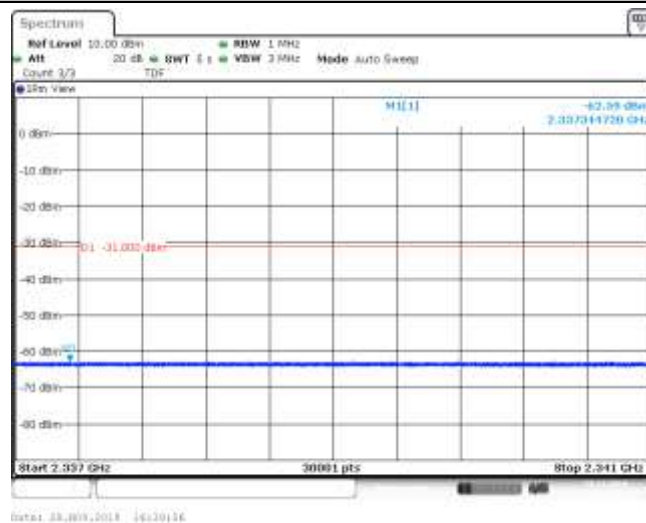

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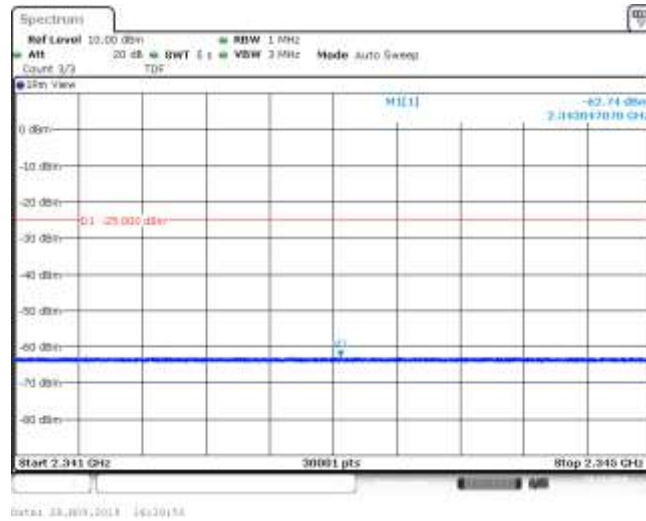
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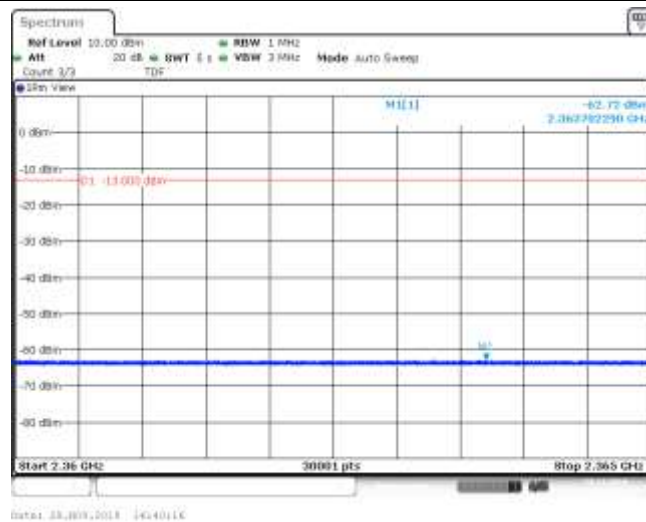
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CTC Laboratories, Inc.

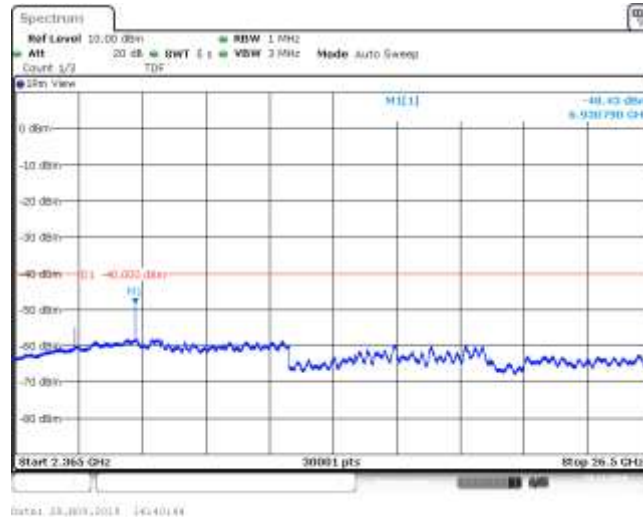
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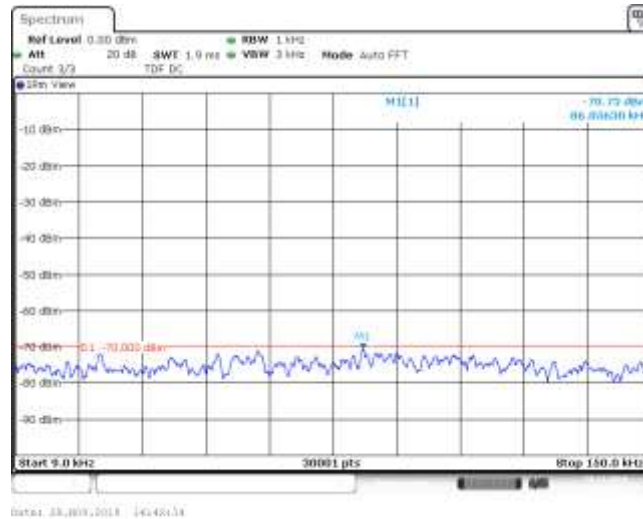
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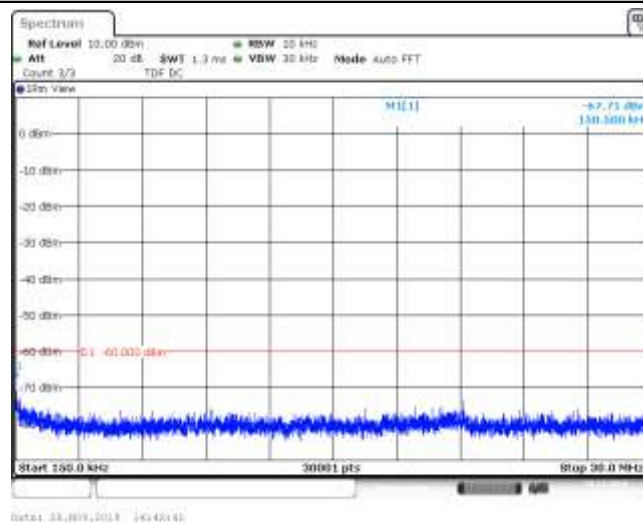
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Band30_10MHz_QPSK_27710_1RB#0



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CTC Laboratories, Inc.

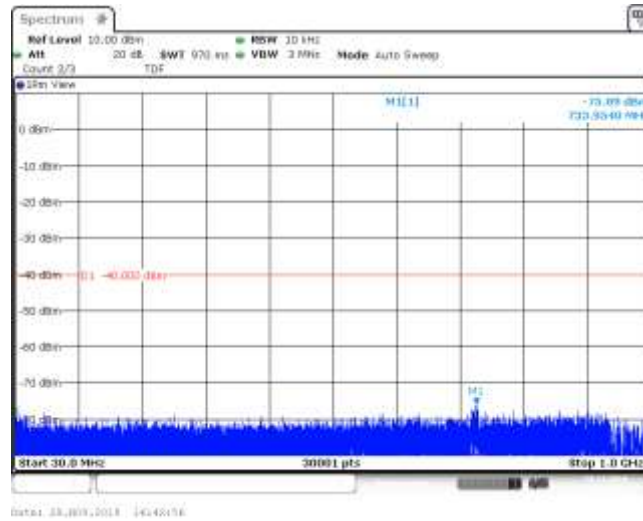
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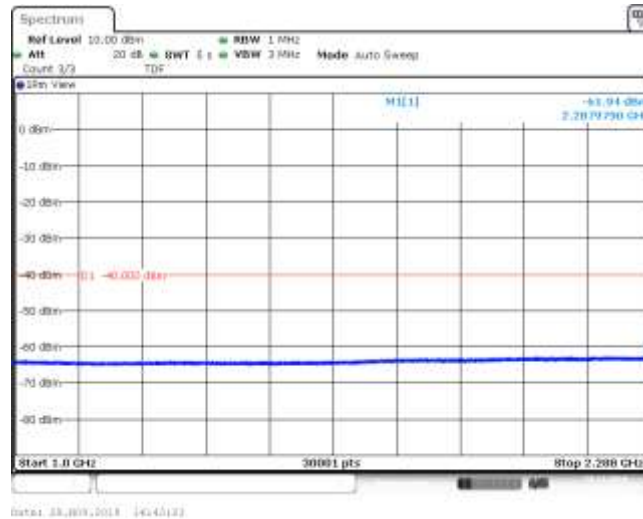
Fax: (86)755-27521011

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CTC Laboratories, Inc.

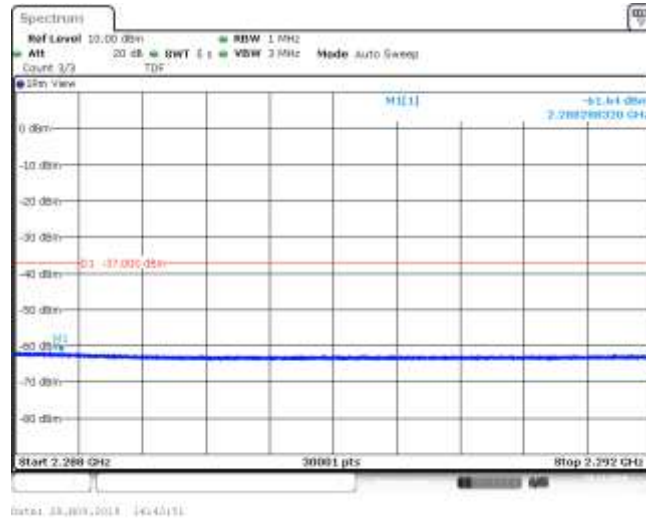
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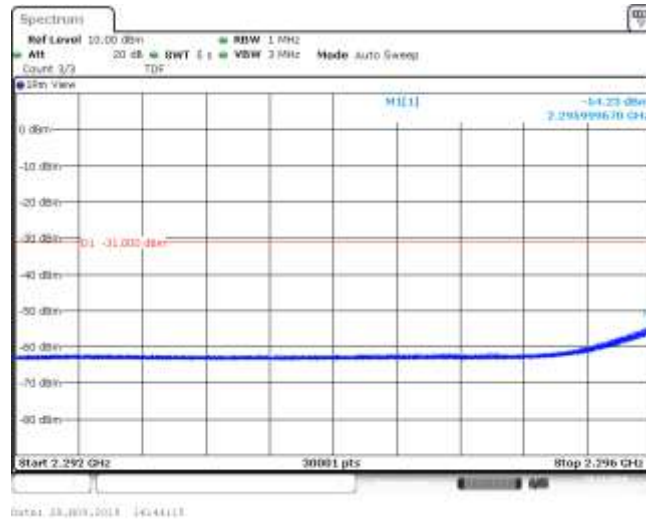
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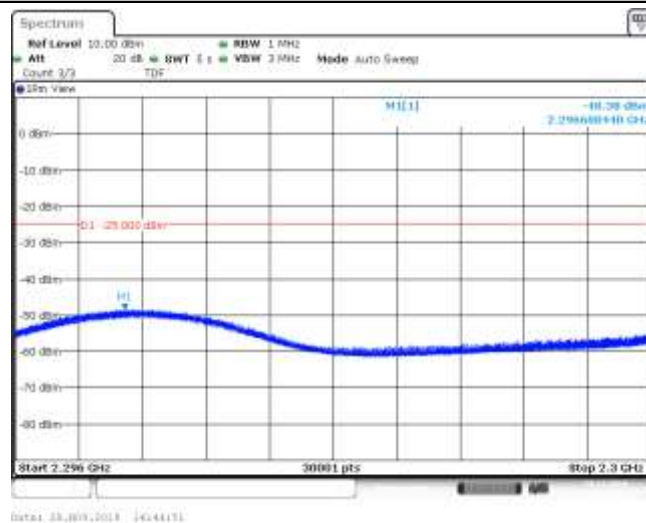

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Band30_10MHz_QPSK_27710_1RB#0



CTC Laboratories, Inc.

2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

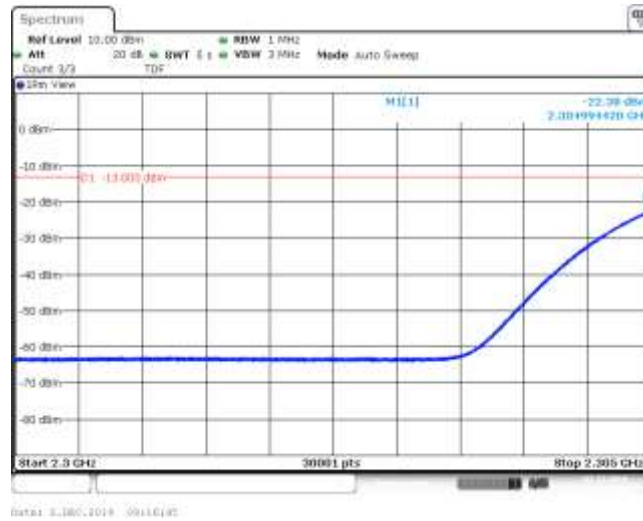
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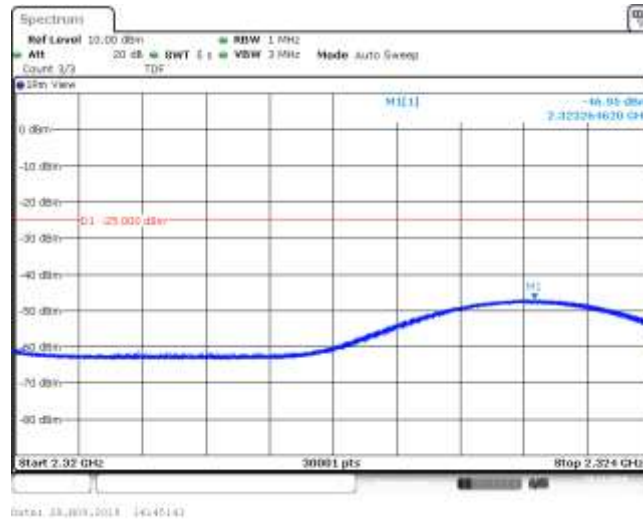
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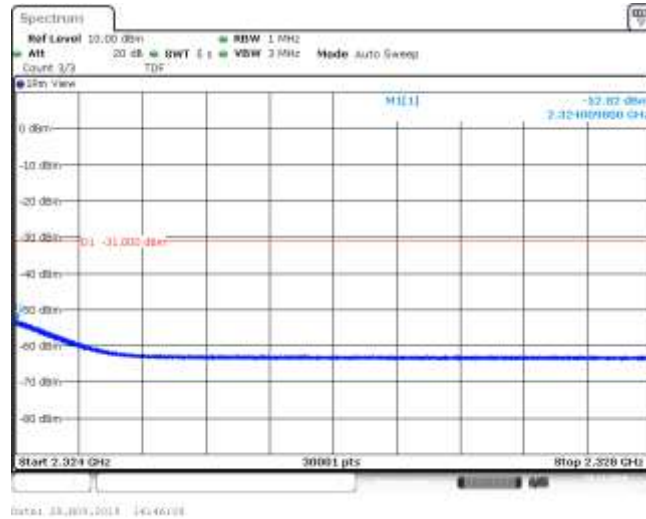
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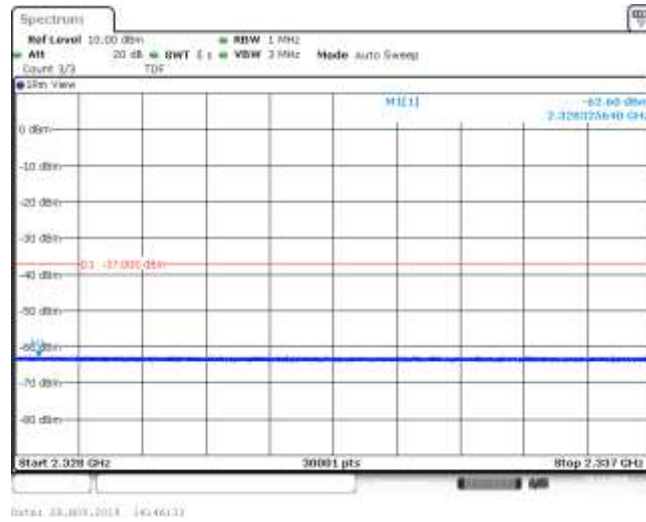
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Http://www.sz-ctc.org.cn

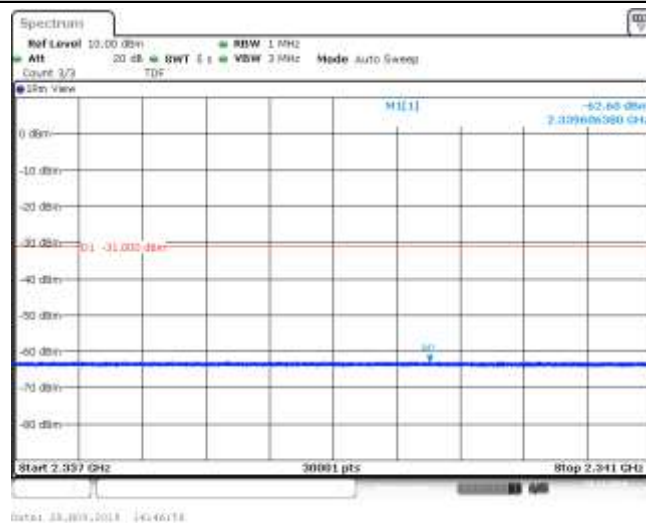
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CTC Laboratories, Inc.

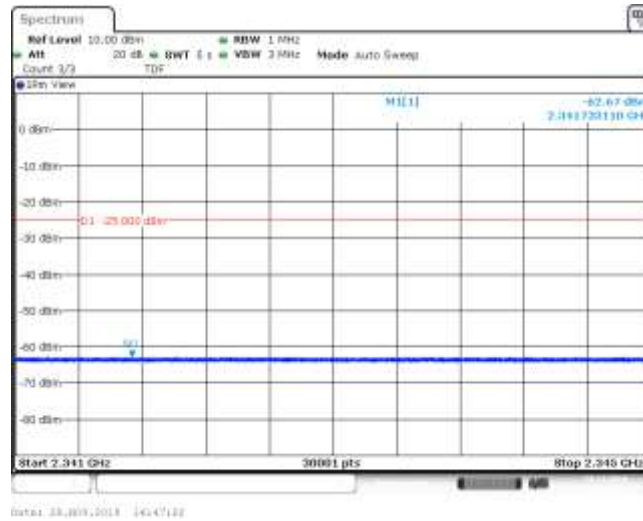
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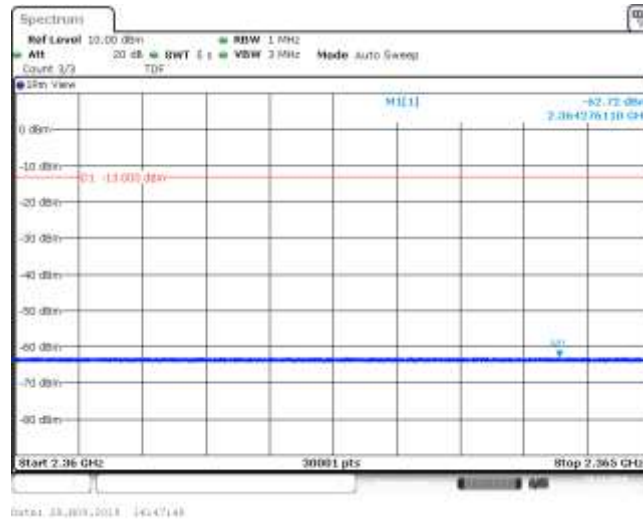
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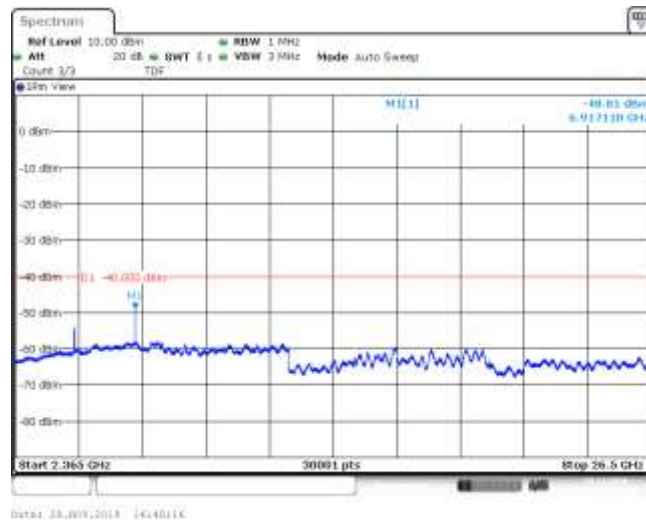
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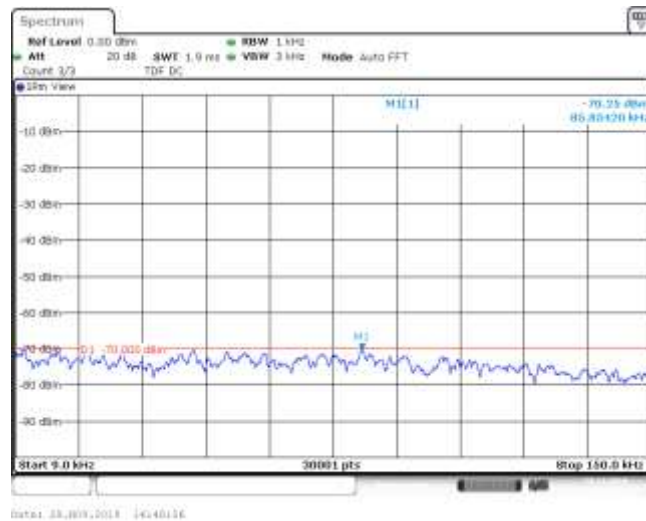
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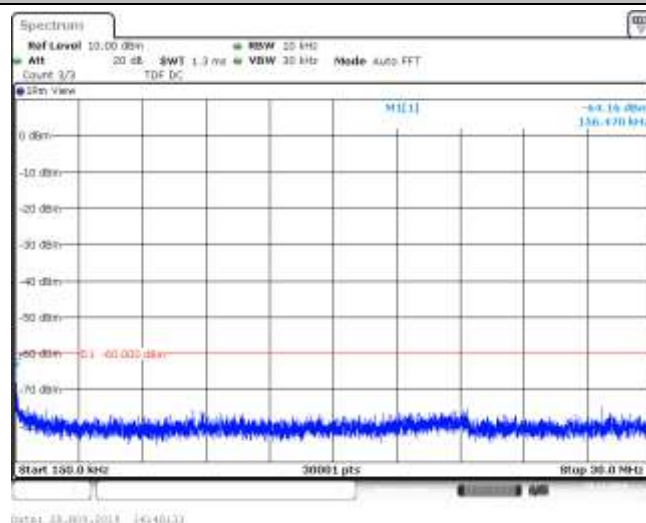
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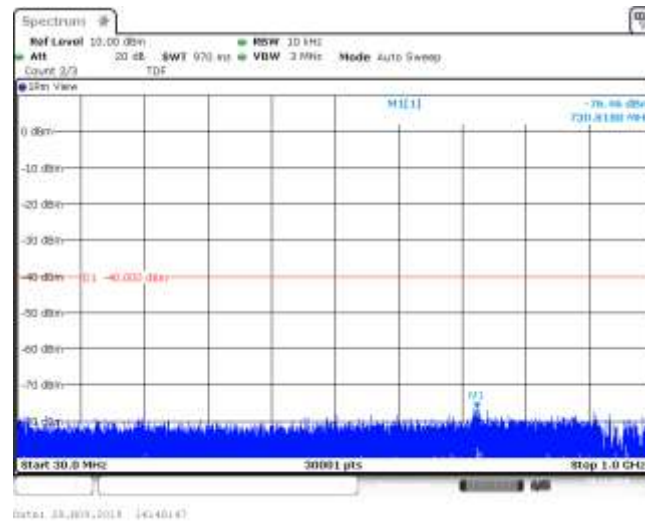
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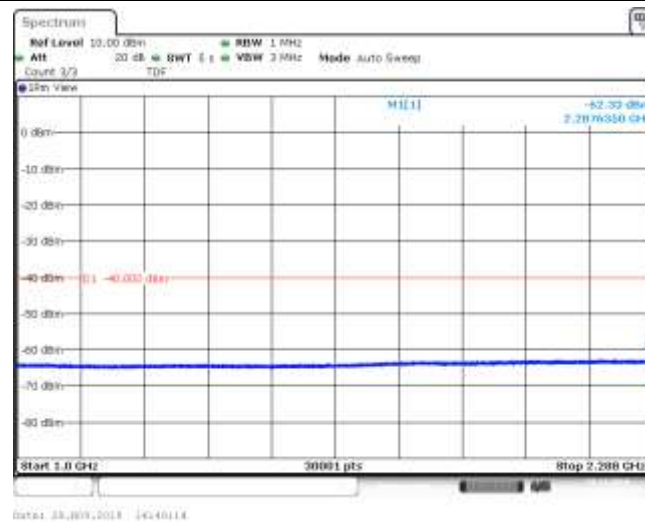
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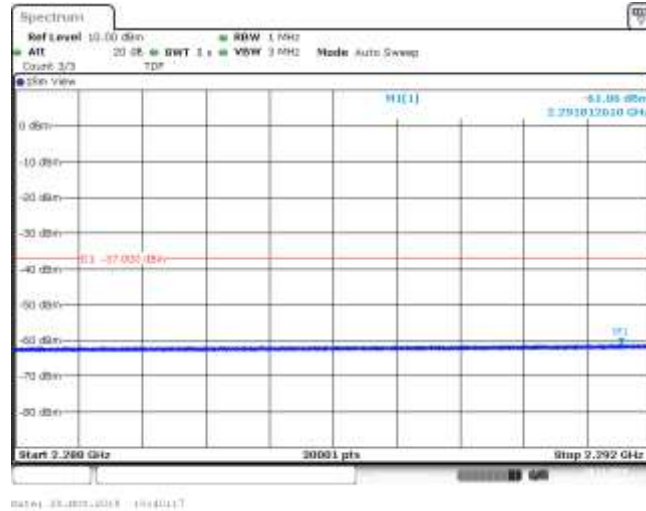
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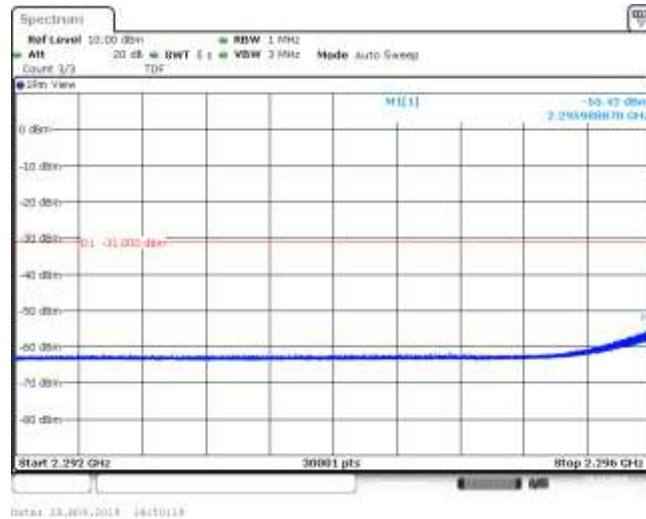
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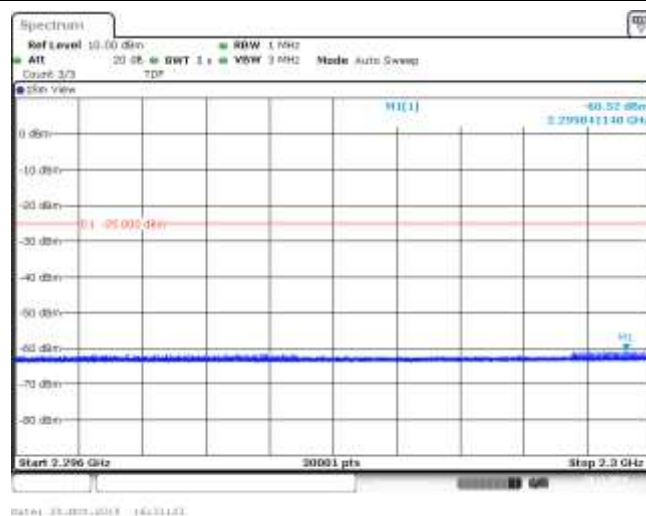

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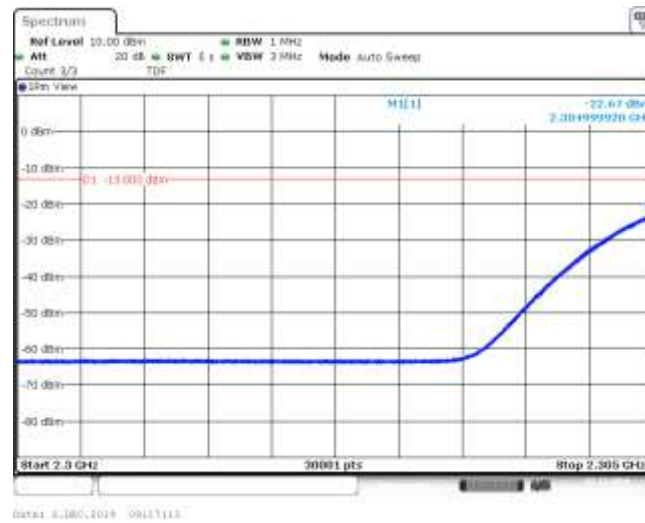
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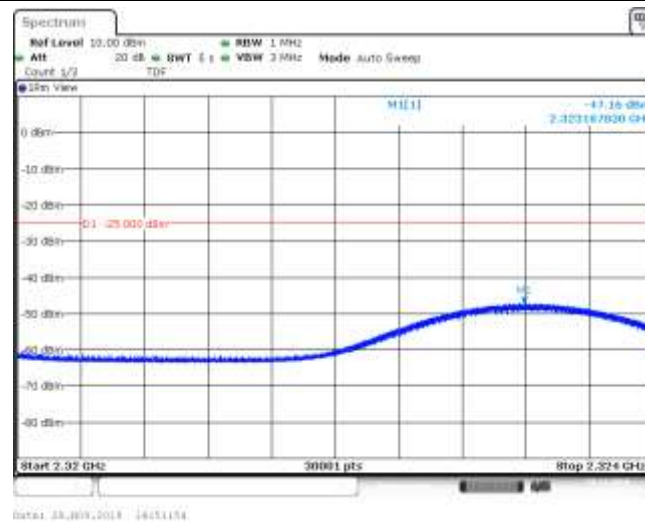
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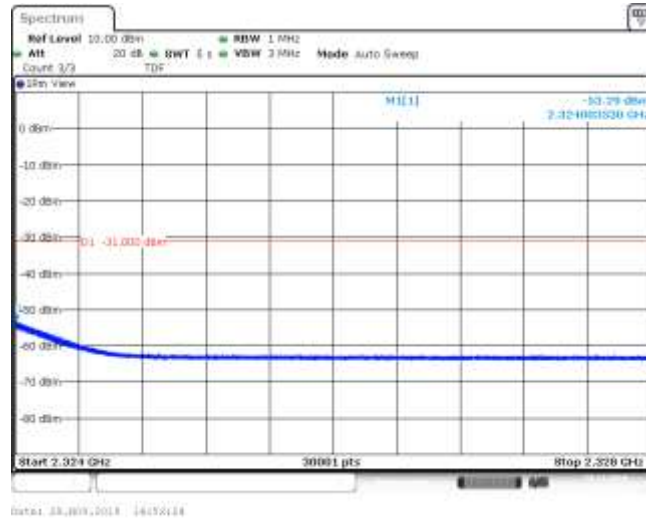
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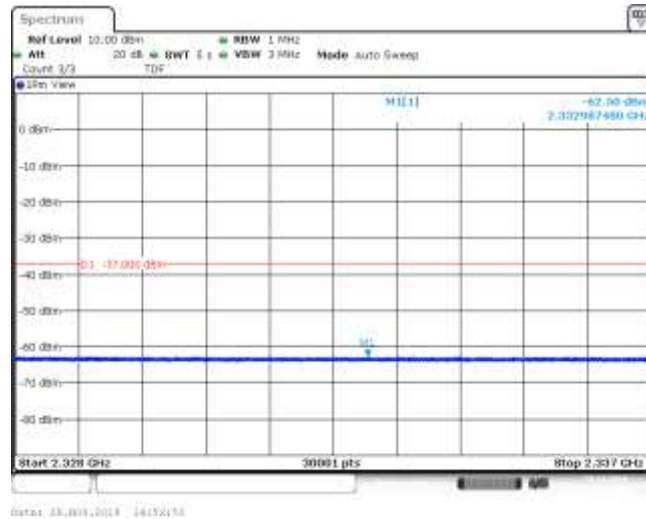
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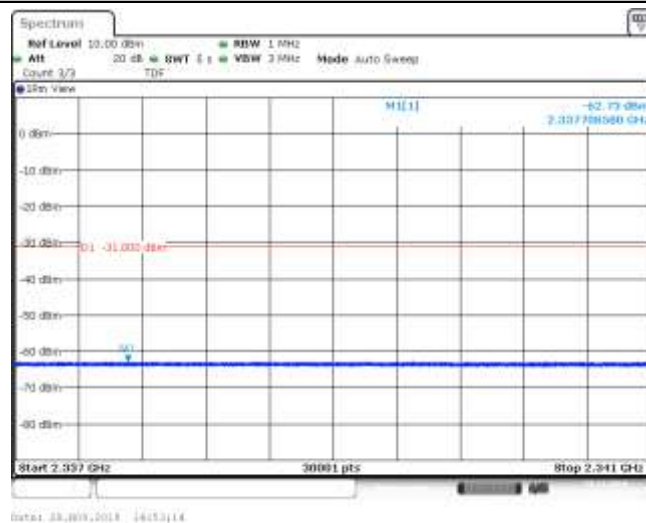
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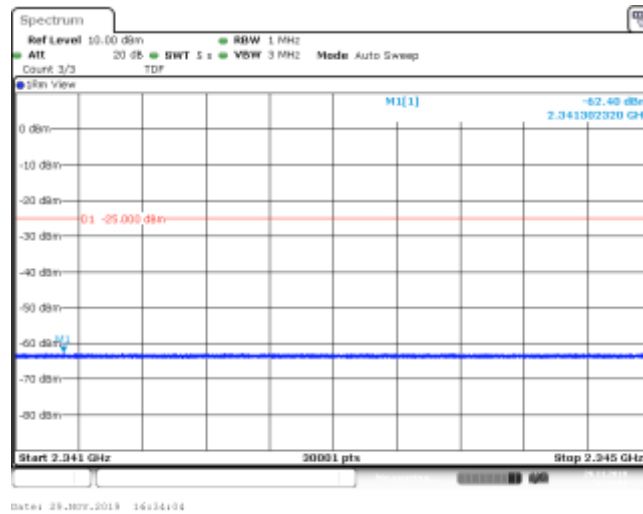
Tel.: (86)755-27521059

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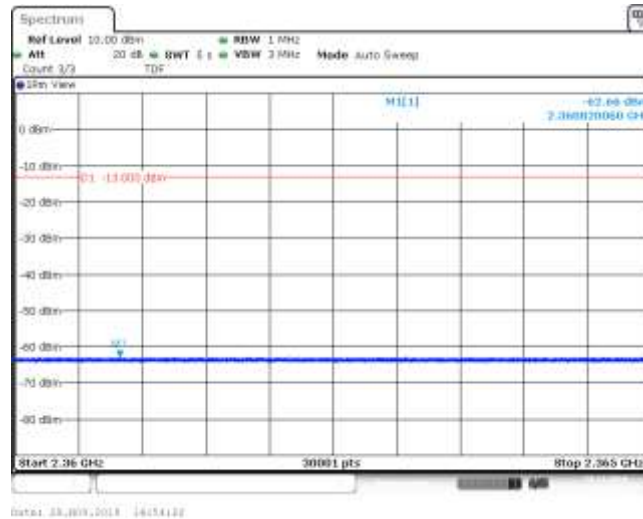
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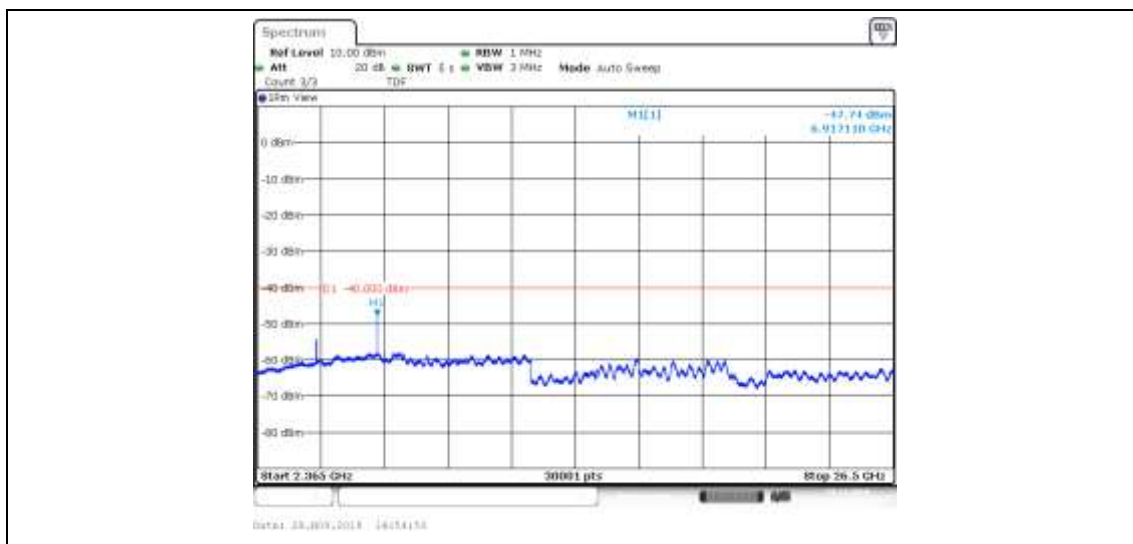
Band30_10MHz_16QAM_27710_1RB#0



Band30_10MHz_16QAM_27710_1RB#0



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Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band30	5MHz	QPSK	27710	25RB#0	VL	NT	-19.77	-0.008558	±2.5	PASS
Band30	5MHz	QPSK	27710	25RB#0	VN	NT	-8.10	-0.003506	±2.5	PASS
Band30	5MHz	QPSK	27710	25RB#0	VH	NT	-7.67	-0.003320	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	VL	NT	-21.46	-0.009290	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	VN	NT	-20.56	-0.008900	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	VH	NT	-9.41	-0.004074	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band30	5MHz	QPSK	27710	25RB#0	NV	-30	9.53	0.004126	±2.5	PASS
Band30	5MHz	QPSK	27710	25RB#0	NV	-20	-17.72	-0.007671	±2.5	PASS
Band30	5MHz	QPSK	27710	25RB#0	NV	0	-7.71	-0.003338	±2.5	PASS
Band30	5MHz	QPSK	27710	25RB#0	NV	10	-20.03	-0.008671	±2.5	PASS
Band30	5MHz	QPSK	27710	25RB#0	NV	20	-8.53	-0.003693	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	-30	-9.63	-0.004169	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	-20	-8.33	-0.003606	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	0	14.05	0.006082	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	10	-8.67	-0.003753	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	20	-15.36	-0.006649	±2.5	PASS

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