



Appendix for LTE Band17

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
Band17	5MHz	QPSK	23755	1RB#0	24.11	PASS
Band17	5MHz	QPSK	23755	1RB#12	24.13	PASS
Band17	5MHz	QPSK	23755	1RB#24	24.03	PASS
Band17	5MHz	QPSK	23755	12RB#0	23.03	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.90	PASS
Band17	5MHz	QPSK	23755	12RB#13	23.02	PASS
Band17	5MHz	QPSK	23755	25RB#0	23.01	PASS
Band17	5MHz	QPSK	23790	1RB#0	24.00	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.89	PASS
Band17	5MHz	QPSK	23790	1RB#24	24.11	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.97	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.96	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.99	PASS
Band17	5MHz	QPSK	23790	25RB#0	23.01	PASS
Band17	5MHz	QPSK	23825	1RB#0	24.14	PASS
Band17	5MHz	QPSK	23825	1RB#12	24.06	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.86	PASS
Band17	5MHz	QPSK	23825	12RB#0	23.14	PASS
Band17	5MHz	QPSK	23825	12RB#6	23.09	PASS
Band17	5MHz	QPSK	23825	12RB#13	23.07	PASS
Band17	5MHz	QPSK	23825	25RB#0	23.17	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.92	PASS
Band17	5MHz	16QAM	23755	1RB#12	23.13	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.90	PASS
Band17	5MHz	16QAM	23755	12RB#0	22.91	PASS
Band17	5MHz	16QAM	23755	12RB#6	22.87	PASS
Band17	5MHz	16QAM	23755	12RB#13	23.01	PASS
Band17	5MHz	16QAM	23755	25RB#0	22.01	PASS
Band17	5MHz	16QAM	23790	1RB#0	23.00	PASS
Band17	5MHz	16QAM	23790	1RB#12	23.12	PASS
Band17	5MHz	16QAM	23790	1RB#24	23.02	PASS
Band17	5MHz	16QAM	23790	12RB#0	22.97	PASS
Band17	5MHz	16QAM	23790	12RB#6	22.97	PASS
Band17	5MHz	16QAM	23790	12RB#13	23.10	PASS

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Band17	5MHz	16QAM	23790	25RB#0	21.92	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.57	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.79	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.43	PASS
Band17	5MHz	16QAM	23825	12RB#0	23.08	PASS
Band17	5MHz	16QAM	23825	12RB#6	23.09	PASS
Band17	5MHz	16QAM	23825	12RB#13	23.08	PASS
Band17	5MHz	16QAM	23825	25RB#0	22.20	PASS
Band17	10MHz	QPSK	23780	1RB#0	24.06	PASS
Band17	10MHz	QPSK	23780	1RB#24	24.20	PASS
Band17	10MHz	QPSK	23780	1RB#49	24.10	PASS
Band17	10MHz	QPSK	23780	25RB#0	23.16	PASS
Band17	10MHz	QPSK	23780	25RB#12	23.23	PASS
Band17	10MHz	QPSK	23780	25RB#25	23.31	PASS
Band17	10MHz	QPSK	23780	50RB#0	23.15	PASS
Band17	10MHz	QPSK	23790	1RB#0	24.01	PASS
Band17	10MHz	QPSK	23790	1RB#24	24.49	PASS
Band17	10MHz	QPSK	23790	1RB#49	24.05	PASS
Band17	10MHz	QPSK	23790	25RB#0	23.04	PASS
Band17	10MHz	QPSK	23790	25RB#12	23.17	PASS
Band17	10MHz	QPSK	23790	25RB#25	23.19	PASS
Band17	10MHz	QPSK	23790	50RB#0	23.15	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.87	PASS
Band17	10MHz	QPSK	23800	1RB#24	24.09	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.79	PASS
Band17	10MHz	QPSK	23800	25RB#0	23.21	PASS
Band17	10MHz	QPSK	23800	25RB#12	23.15	PASS
Band17	10MHz	QPSK	23800	25RB#25	23.16	PASS
Band17	10MHz	QPSK	23800	50RB#0	23.05	PASS
Band17	10MHz	16QAM	23780	1RB#0	23.26	PASS
Band17	10MHz	16QAM	23780	1RB#24	23.46	PASS
Band17	10MHz	16QAM	23780	1RB#49	23.25	PASS
Band17	10MHz	16QAM	23780	25RB#0	23.13	PASS
Band17	10MHz	16QAM	23780	25RB#12	23.23	PASS
Band17	10MHz	16QAM	23780	25RB#25	23.34	PASS
Band17	10MHz	16QAM	23780	50RB#0	22.25	PASS
Band17	10MHz	16QAM	23790	1RB#0	23.24	PASS
Band17	10MHz	16QAM	23790	1RB#24	23.29	PASS
Band17	10MHz	16QAM	23790	1RB#49	23.35	PASS
Band17	10MHz	16QAM	23790	25RB#0	23.05	PASS

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Band17	10MHz	16QAM	23790	25RB#12	23.16	PASS
Band17	10MHz	16QAM	23790	25RB#25	23.21	PASS
Band17	10MHz	16QAM	23790	50RB#0	22.05	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.87	PASS
Band17	10MHz	16QAM	23800	1RB#24	23.53	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.97	PASS
Band17	10MHz	16QAM	23800	25RB#0	23.14	PASS
Band17	10MHz	16QAM	23800	25RB#12	23.22	PASS
Band17	10MHz	16QAM	23800	25RB#25	23.16	PASS
Band17	10MHz	16QAM	23800	50RB#0	22.10	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
Band17	5MHz	QPSK	23755	1RB#0	4.93	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.59	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	4.90	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.45	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	4.78	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.48	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	5.94	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.43	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	5.68	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.38	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.59	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.38	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	4.81	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.39	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	4.90	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.33	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	4.84	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.25	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	5.83	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.32	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	5.83	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.29	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	5.77	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.26	13	PASS

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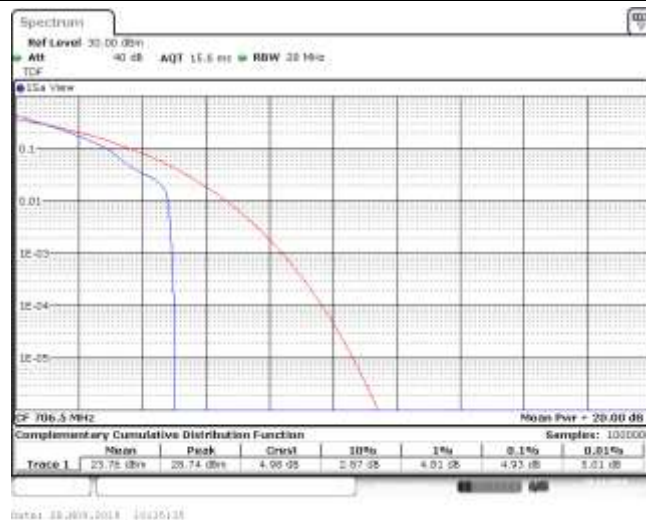
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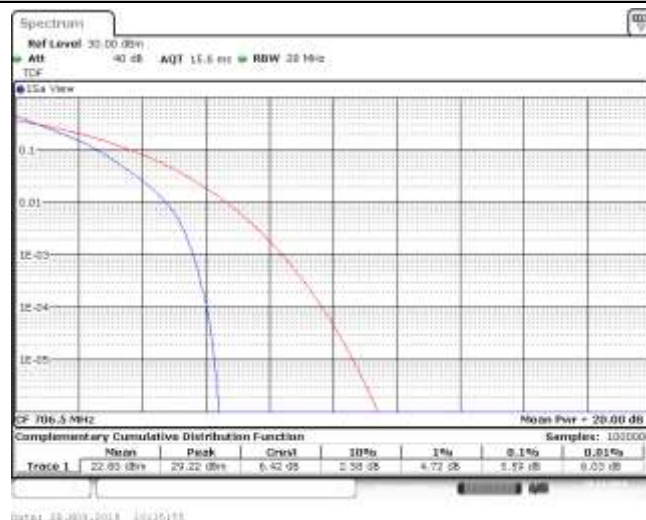
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Test Graphs

Band17_5MHz_QPSK_23755_1RB#0



Band17_5MHz_QPSK_23755_25RB#0



Band17_5MHz_QPSK_23790_1RB#0

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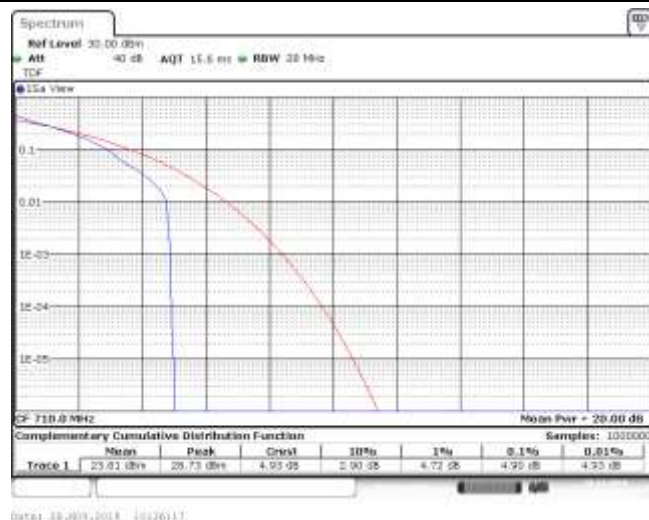
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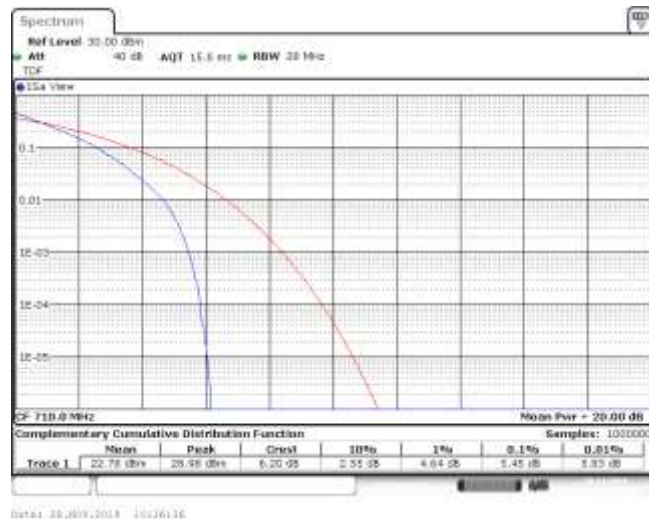
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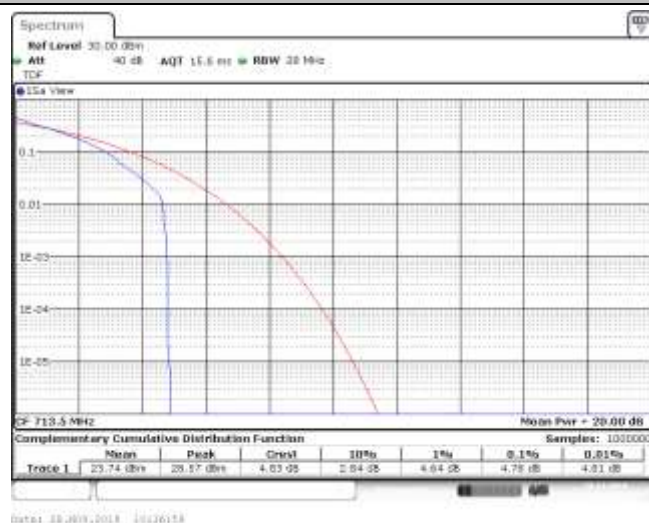
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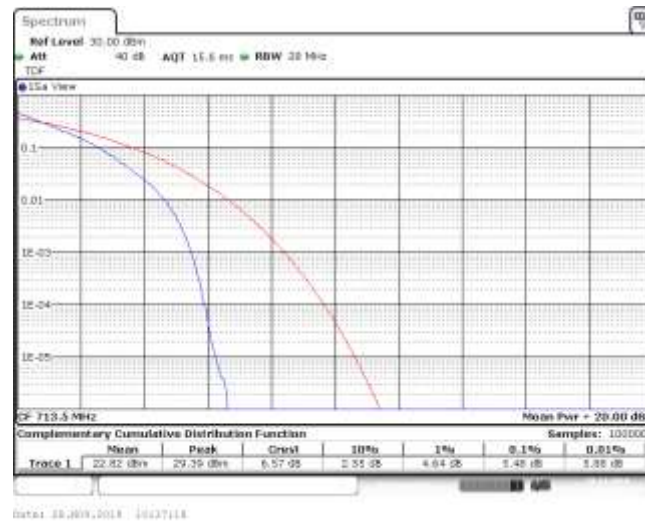
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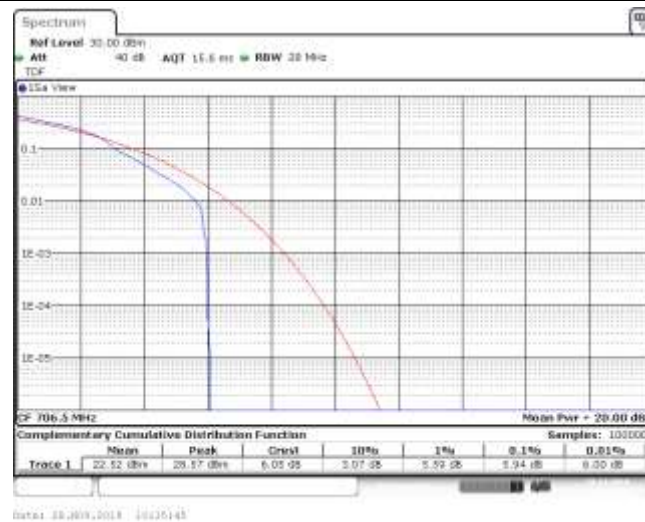
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Band17_5MHz_QPSK_23825_25RB#0



Band17_5MHz_16QAM_23755_1RB#0



Band17_5MHz_16QAM_23755_25RB#0

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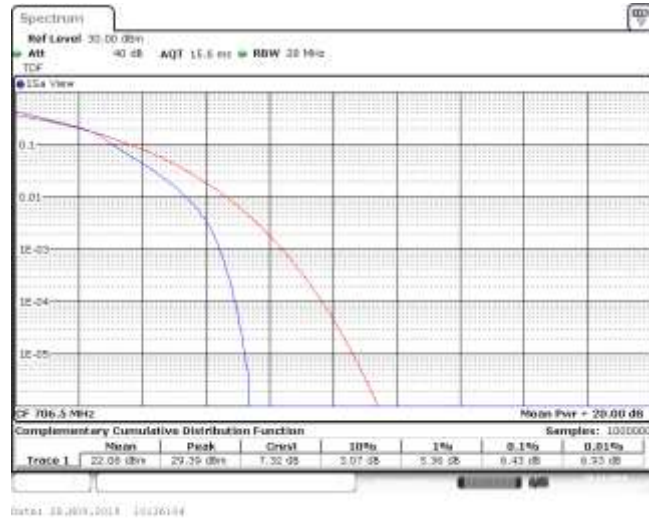
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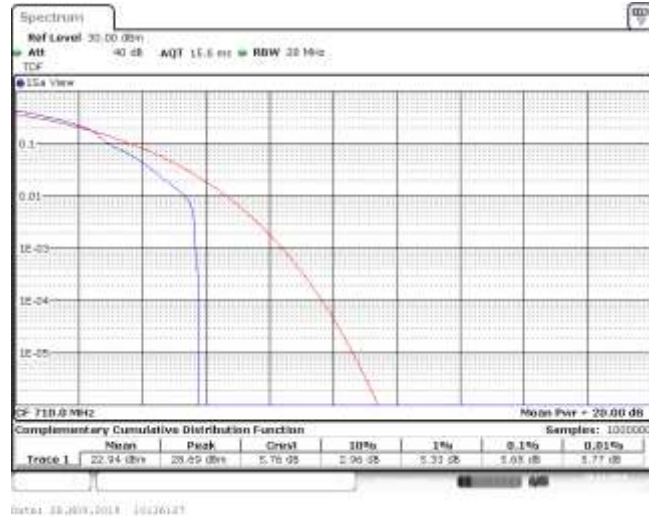
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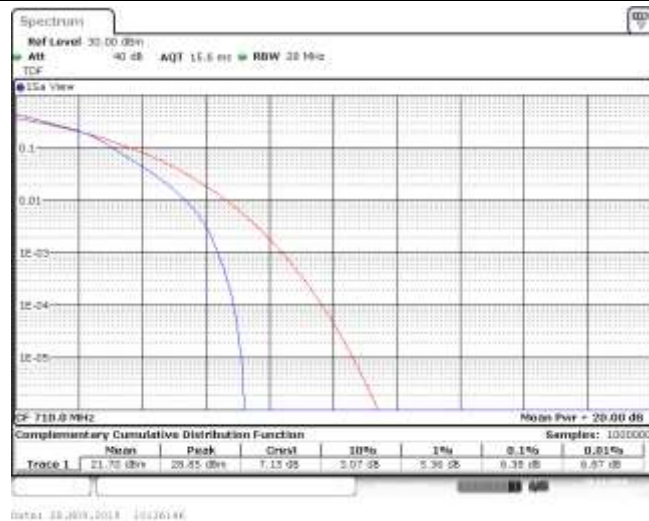
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Band17_5MHz_16QAM_23790_1RB#0



Band17_5MHz_16QAM_23790_25RB#0



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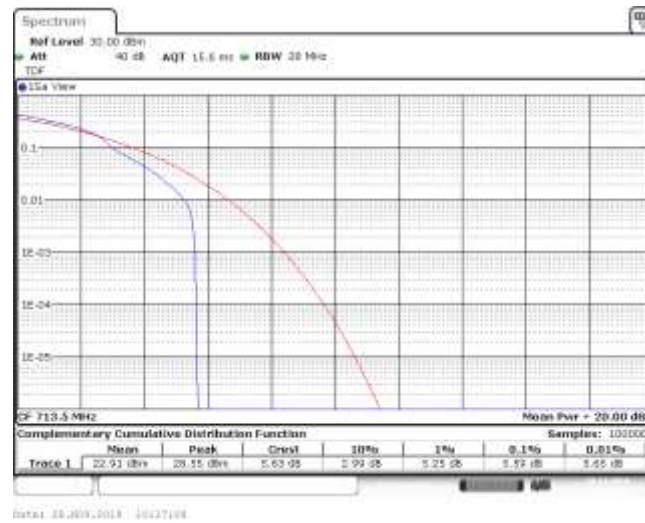
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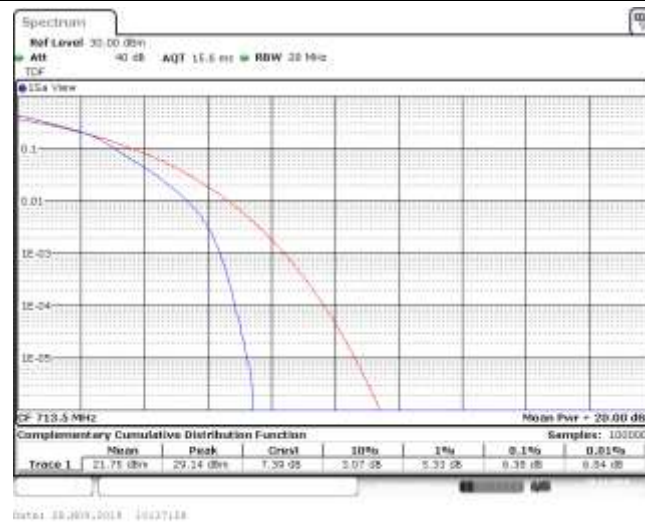
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Band17_5MHz_16QAM_23825_1RB#0



Band17_5MHz_16QAM_23825_25RB#0



Band17_10MHz_QPSK_23780_1RB#0

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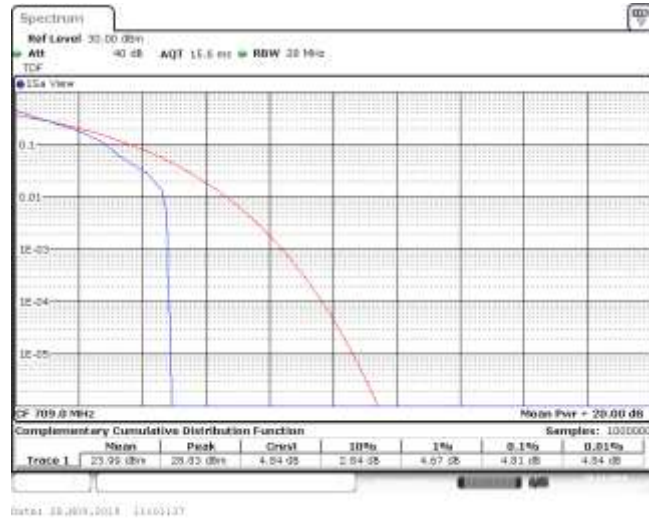
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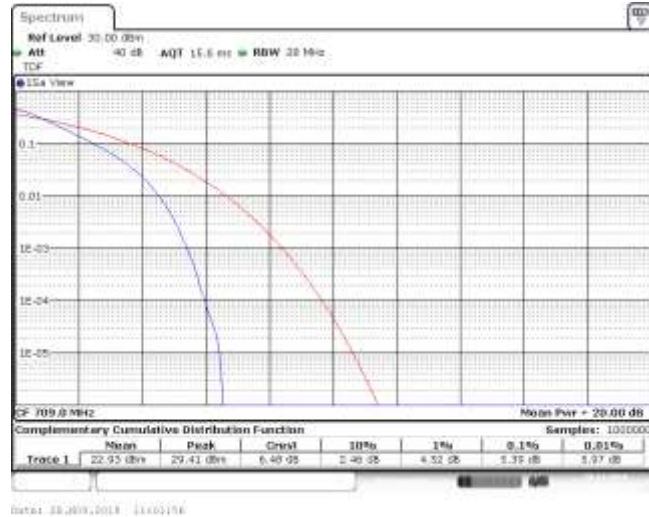
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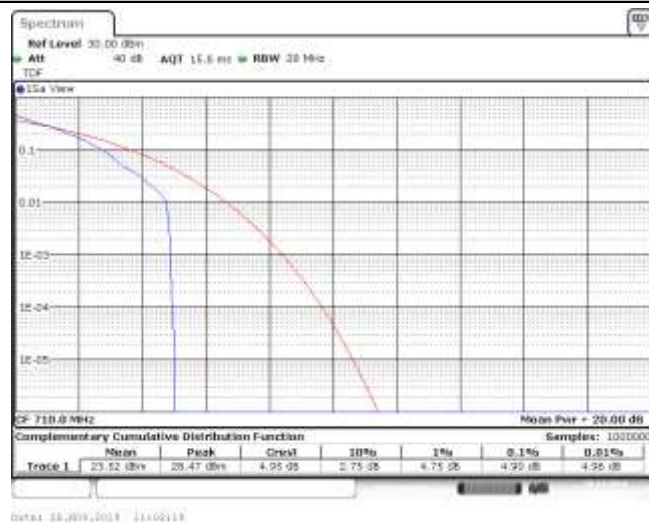
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Band17_10MHz_QPSK_23780_50RB#0



Band17_10MHz_QPSK_23790_1RB#0



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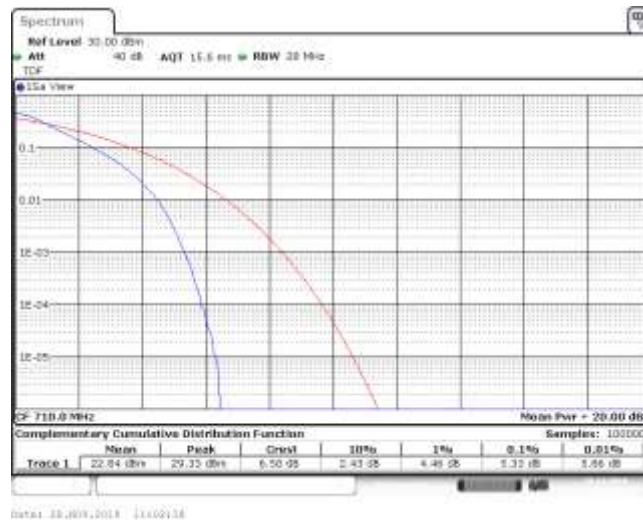
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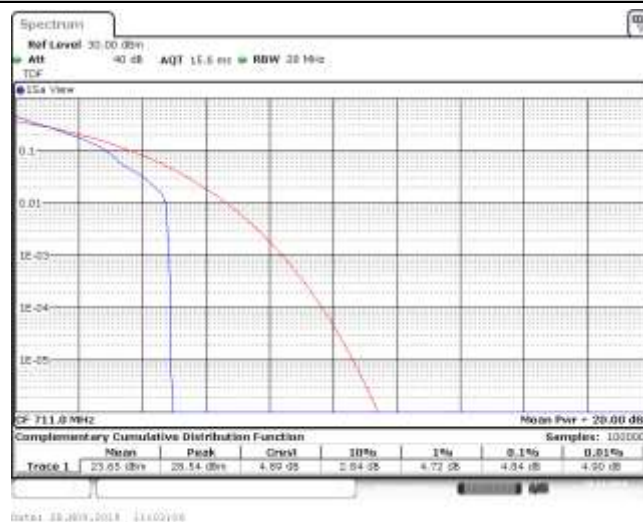
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Band17_10MHz_QPSK_23790_50RB#0



Band17_10MHz_QPSK_23800_1RB#0



Band17_10MHz_QPSK_23800_50RB#0

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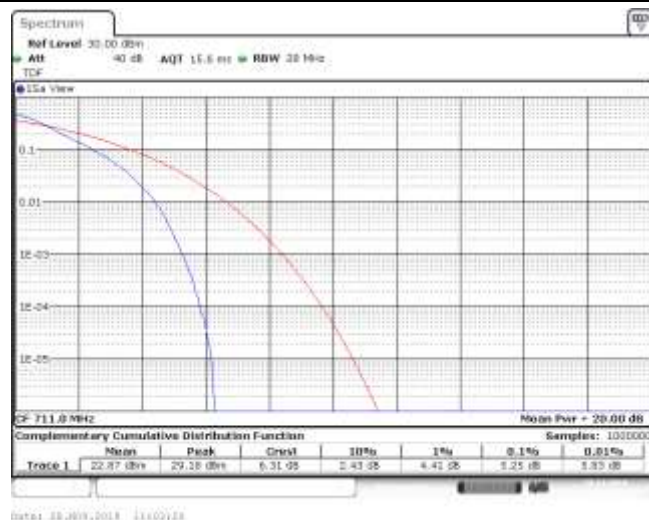
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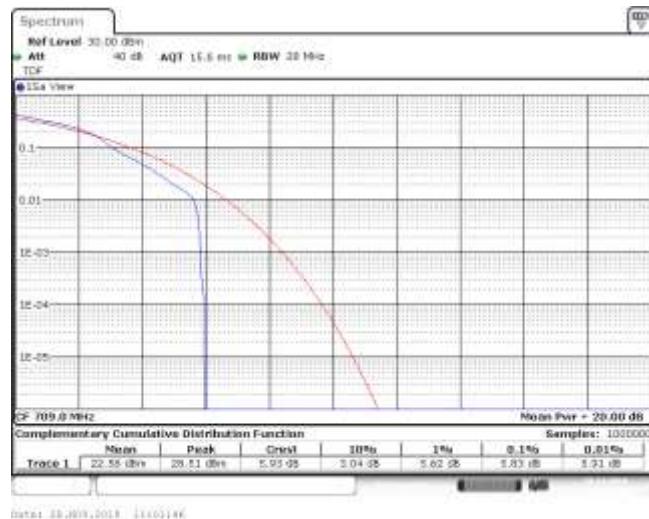
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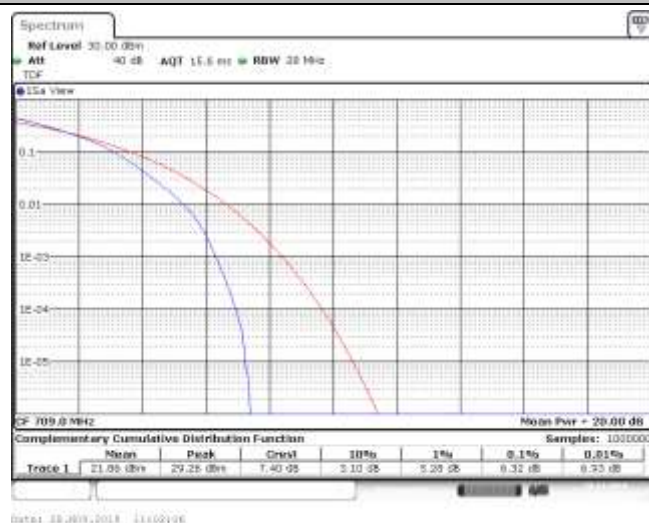

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Band17_10MHz_16QAM_23780_1RB#0



Band17_10MHz_16QAM_23780_50RB#0



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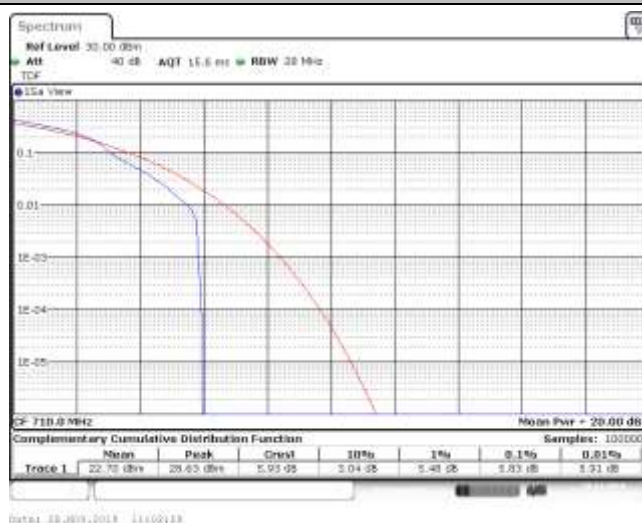
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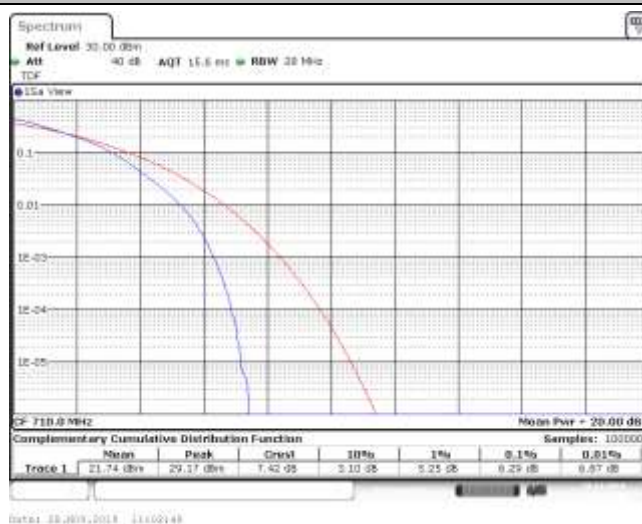
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Band17_10MHz_16QAM_23790_1RB#0



Band17_10MHz_16QAM_23790_50RB#0



Band17_10MHz_16QAM_23800_1RB#0

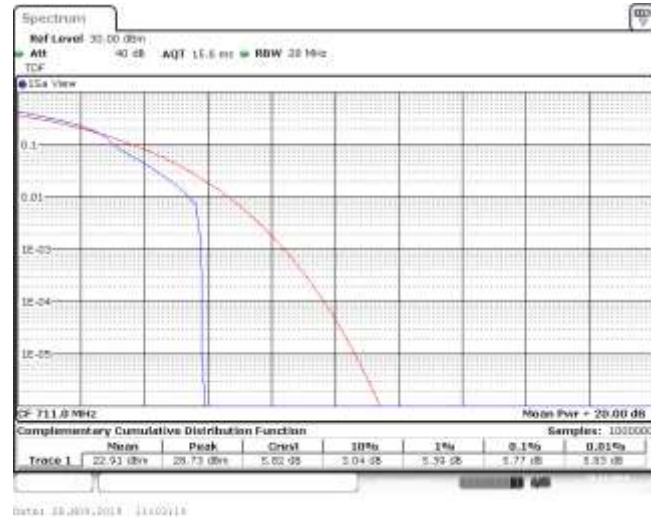
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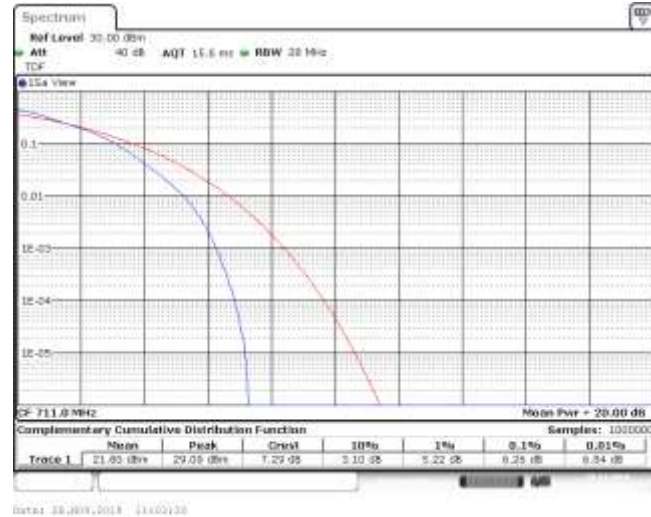
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Band17_10MHz_16QAM_23800_50RB#0



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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
Band17	5MHz	QPSK	23755	25RB#0	4.505	4.800	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.496	4.780	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.496	4.790	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.496	4.800	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.505	4.770	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.505	4.780	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.985	9.533	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.918	9.533	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.918	9.533	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.952	9.533	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.918	9.533	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.918	9.533	PASS

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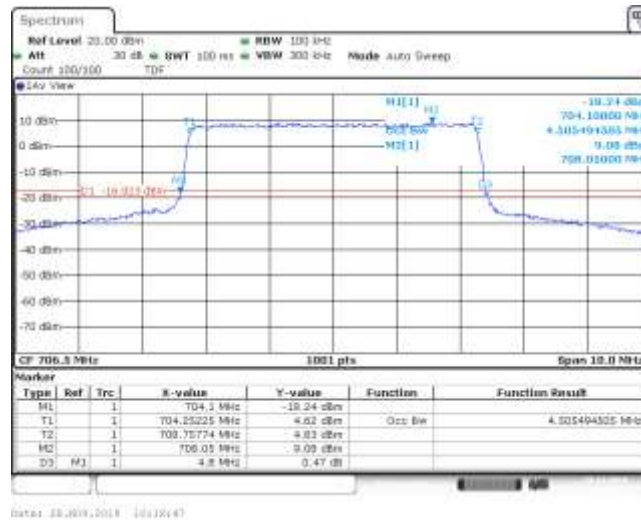
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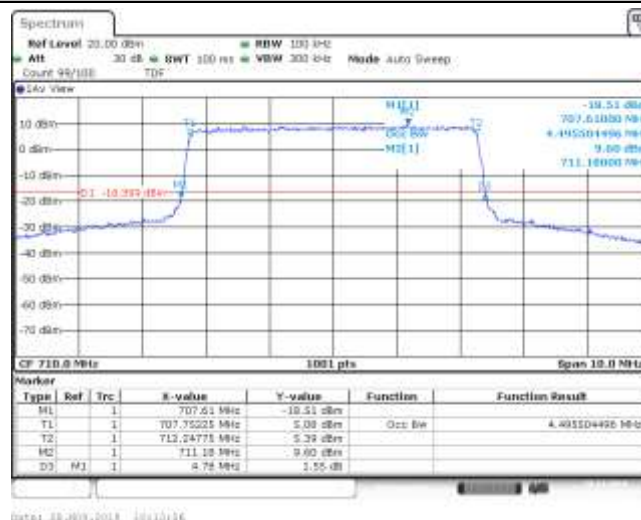
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Test Graphs

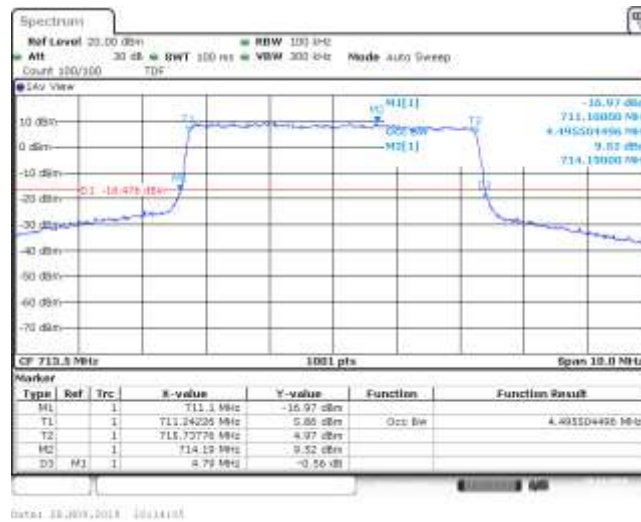
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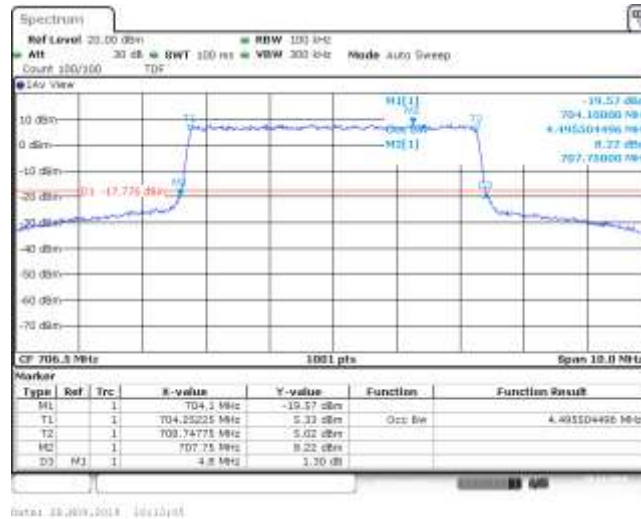
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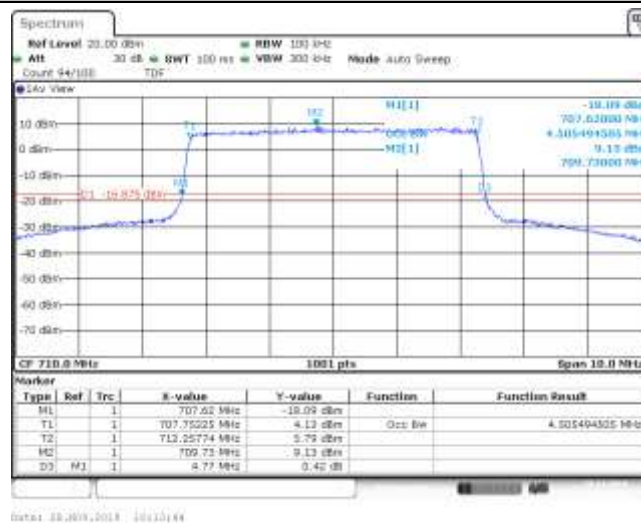
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Band17_5MHz_16QAM_23755_25RB#0



Band17_5MHz_16QAM_23790_25RB#0



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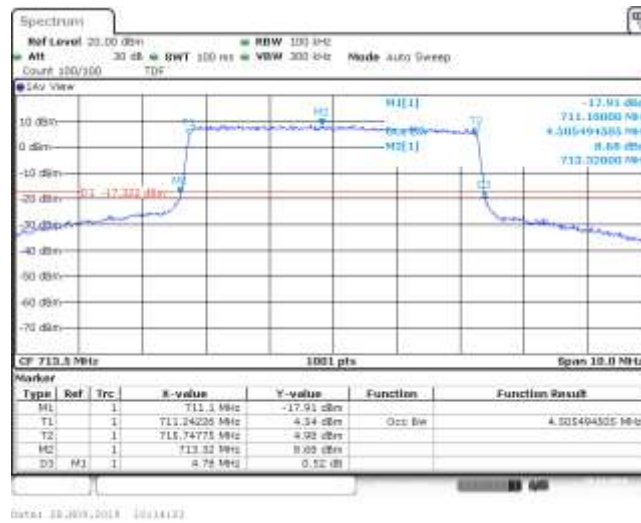
Tel.: (86)755-27521059

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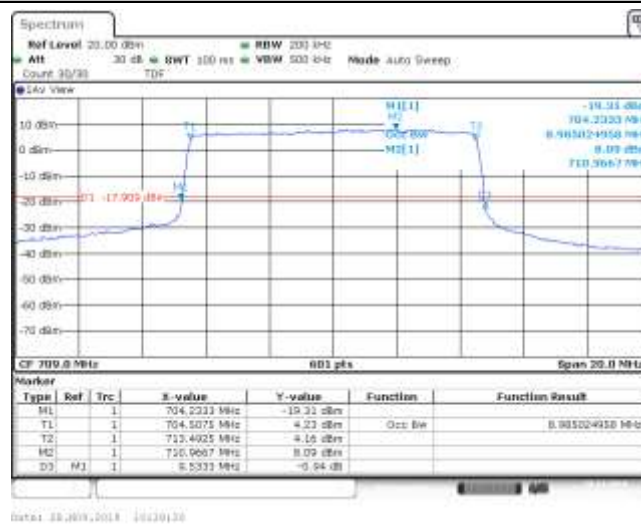
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Band17_5MHz_16QAM_23825_25RB#0



Band17_10MHz_QPSK_23780_50RB#0



Band17_10MHz_QPSK_23790_50RB#0

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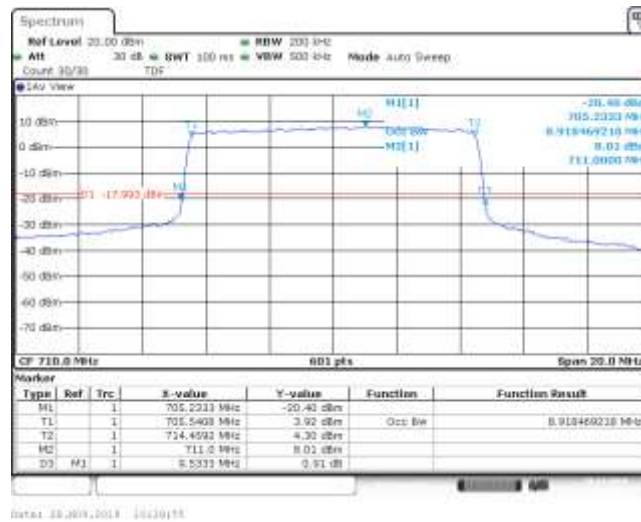
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Http://www.sz-ctc.org.cn

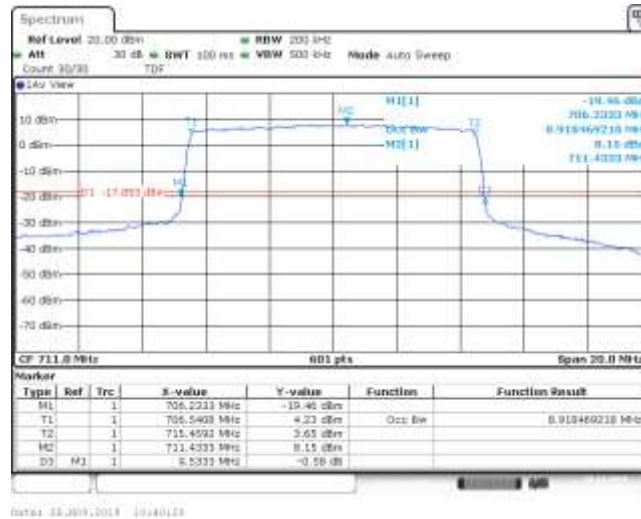


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Certification and Accreditation Administration of the People's Republic of China

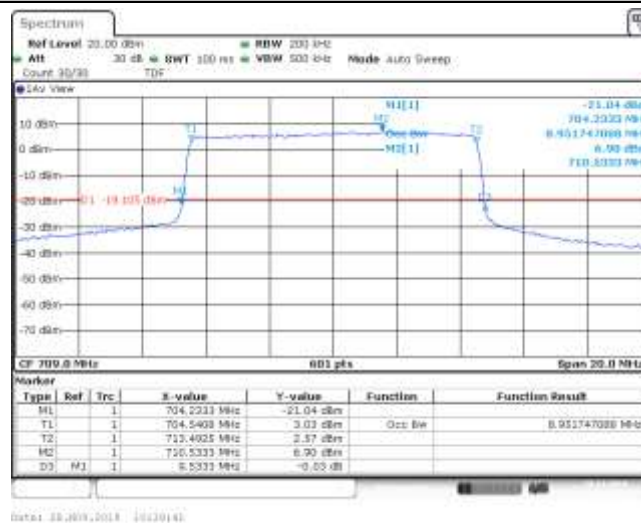
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Band17_10MHz_QPSK_23800_50RB#0



Band17_10MHz_16QAM_23780_50RB#0



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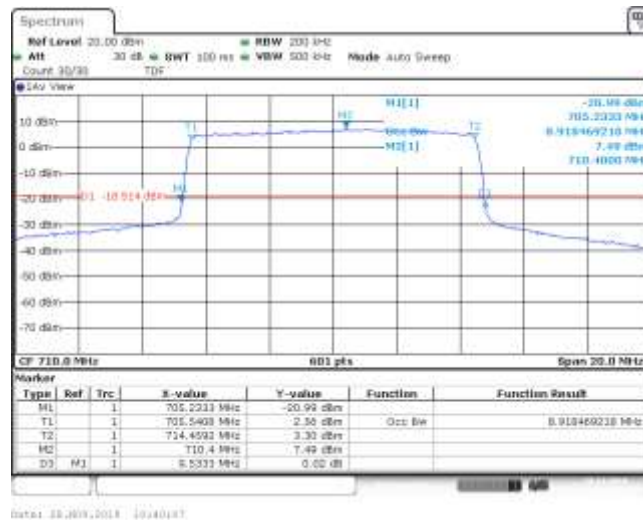
Tel.: (86)755-27521059

Fax: (86)755-27521011

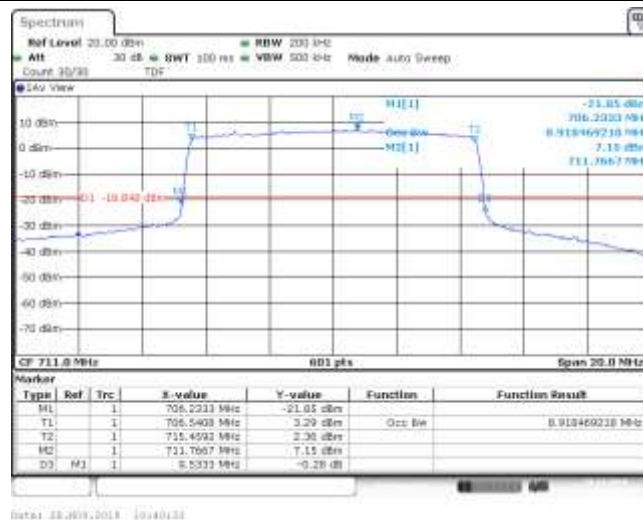
Http://www.sz-ctc.org.cn


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Band17_10MHz_16QAM_23790_50RB#0



Band17_10MHz_16QAM_23800_50RB#0



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Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	-17.41	PASS
Band17	5MHz	QPSK	23755	1RB#12	-45.10	PASS
Band17	5MHz	QPSK	23755	1RB#24	-50.75	PASS
Band17	5MHz	QPSK	23755	25RB#0	-23.94	PASS
Band17	5MHz	QPSK	23825	1RB#0	-50.70	PASS
Band17	5MHz	QPSK	23825	1RB#12	-45.05	PASS
Band17	5MHz	QPSK	23825	1RB#24	-18.94	PASS
Band17	5MHz	QPSK	23825	25RB#0	-24.57	PASS
Band17	5MHz	16QAM	23755	1RB#0	-20.26	PASS
Band17	5MHz	16QAM	23755	1RB#12	-45.72	PASS
Band17	5MHz	16QAM	23755	1RB#24	-51.50	PASS
Band17	5MHz	16QAM	23755	25RB#0	-24.18	PASS
Band17	5MHz	16QAM	23825	1RB#0	-51.27	PASS
Band17	5MHz	16QAM	23825	1RB#12	-45.92	PASS
Band17	5MHz	16QAM	23825	1RB#24	-19.40	PASS
Band17	5MHz	16QAM	23825	25RB#0	-25.03	PASS
Band17	10MHz	QPSK	23780	1RB#0	-27.94	PASS
Band17	10MHz	QPSK	23780	1RB#24	-48.67	PASS
Band17	10MHz	QPSK	23780	1RB#49	-46.88	PASS
Band17	10MHz	QPSK	23780	50RB#0	-26.57	PASS
Band17	10MHz	QPSK	23800	1RB#0	-46.76	PASS
Band17	10MHz	QPSK	23800	1RB#24	-49.42	PASS
Band17	10MHz	QPSK	23800	1RB#49	-28.53	PASS
Band17	10MHz	QPSK	23800	50RB#0	-28.60	PASS
Band17	10MHz	16QAM	23780	1RB#0	-29.53	PASS
Band17	10MHz	16QAM	23780	1RB#24	-49.26	PASS
Band17	10MHz	16QAM	23780	1RB#49	-47.59	PASS
Band17	10MHz	16QAM	23780	50RB#0	-27.17	PASS
Band17	10MHz	16QAM	23800	1RB#0	-47.51	PASS
Band17	10MHz	16QAM	23800	1RB#24	-49.32	PASS
Band17	10MHz	16QAM	23800	1RB#49	-28.50	PASS
Band17	10MHz	16QAM	23800	50RB#0	-28.75	PASS

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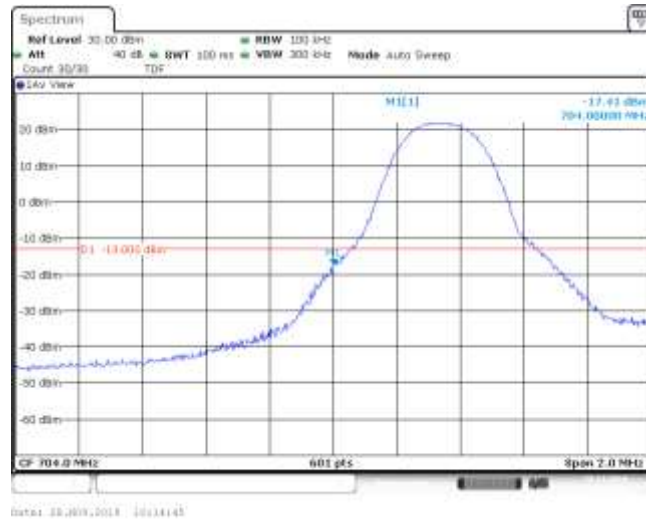
Http://www.sz-ctc.org.cn



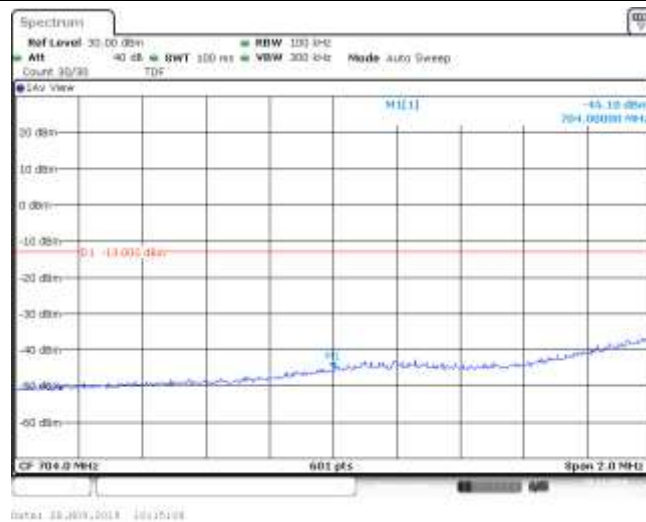
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Test Graphs

Band17_5MHz_QPSK_23755_1RB#0



Band17_5MHz_QPSK_23755_1RB#12



Band17_5MHz_QPSK_23755_1RB#24

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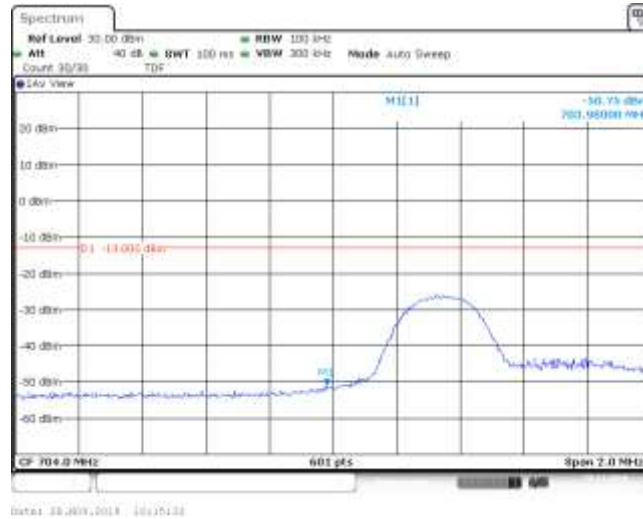
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Fax: (86)755-27521011

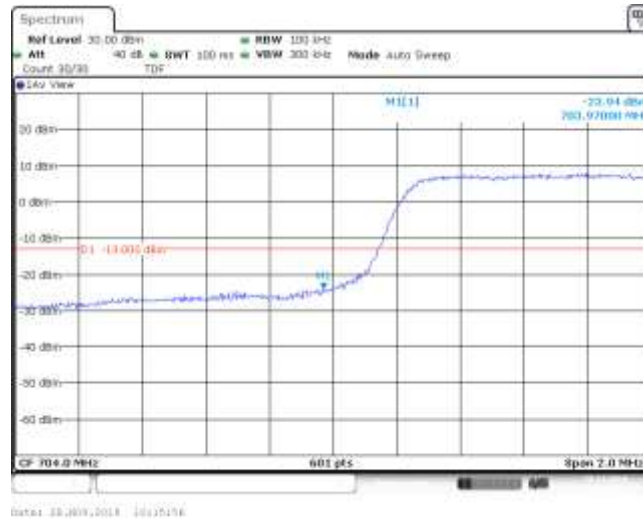
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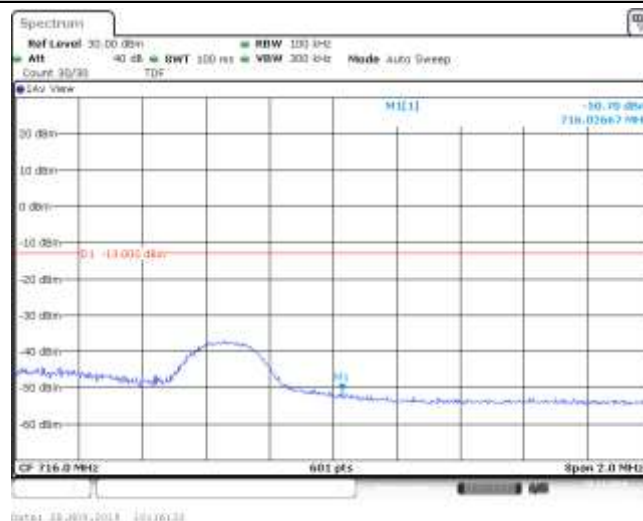
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Band17_5MHz_QPSK_23755_25RB#0



Band17_5MHz_QPSK_23825_1RB#0



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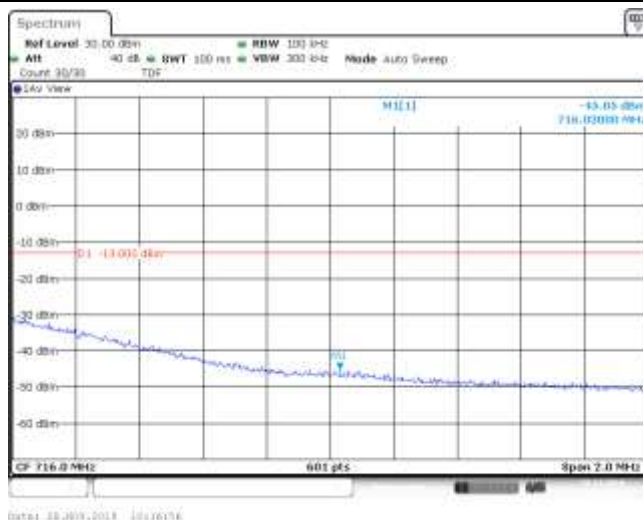
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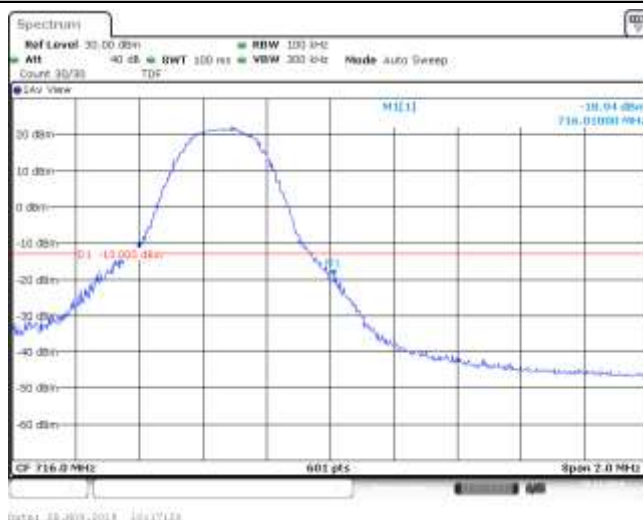
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Band17_5MHz_QPSK_23825_1RB#12



Band17_5MHz_QPSK_23825_1RB#24



Band17_5MHz_QPSK_23825_25RB#0

CTC Laboratories, Inc.

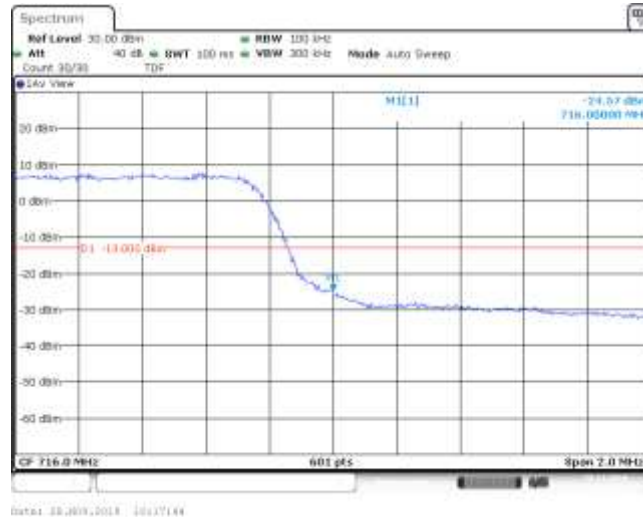
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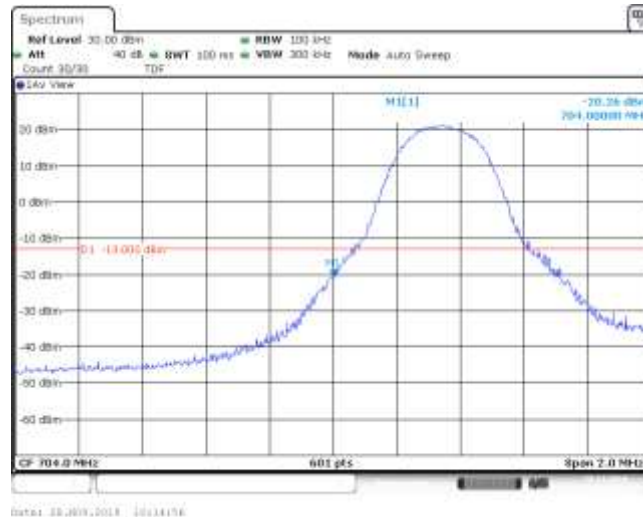
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Http://www.sz-ctc.org.cn

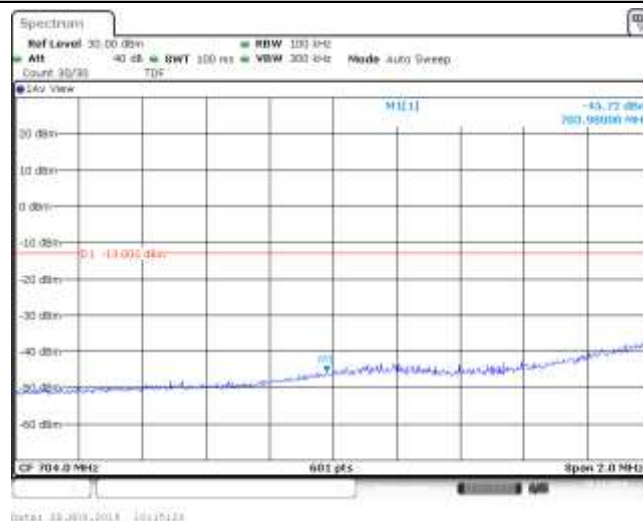

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Band17_5MHz_16QAM_23755_1RB#0



Band17_5MHz_16QAM_23755_1RB#12



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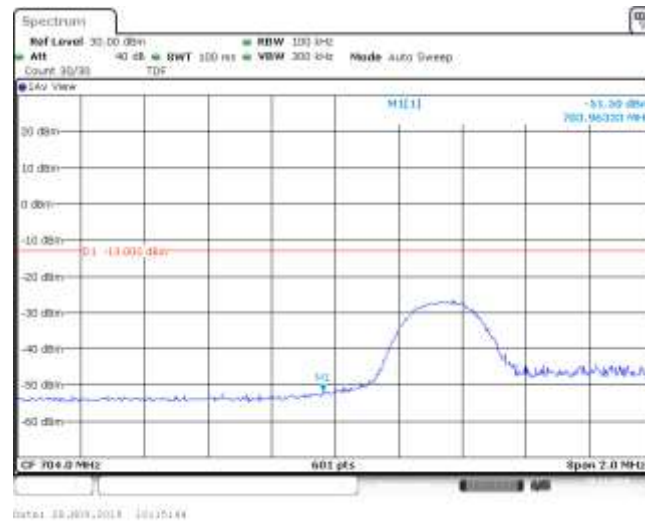
Tel.: (86)755-27521059

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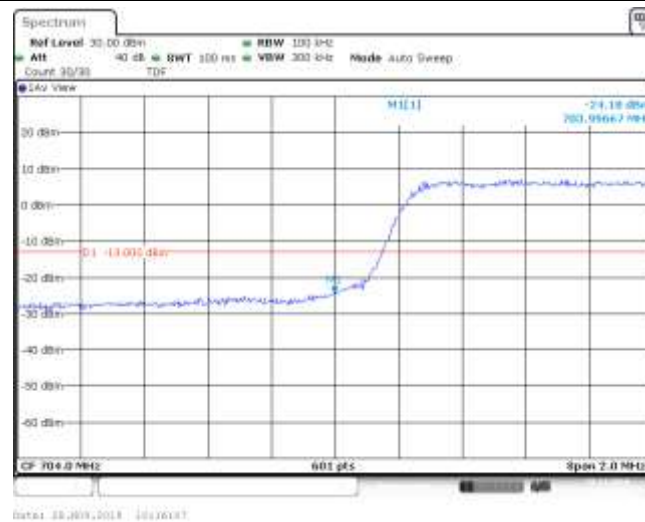
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Band17_5MHz_16QAM_23755_1RB#24



Band17_5MHz_16QAM_23755_25RB#0



Band17_5MHz_16QAM_23825_1RB#0

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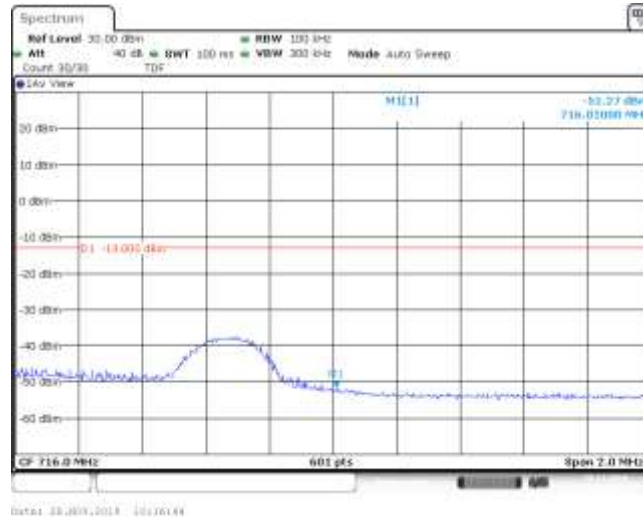
Tel.: (86)755-27521059

Fax: (86)755-27521011

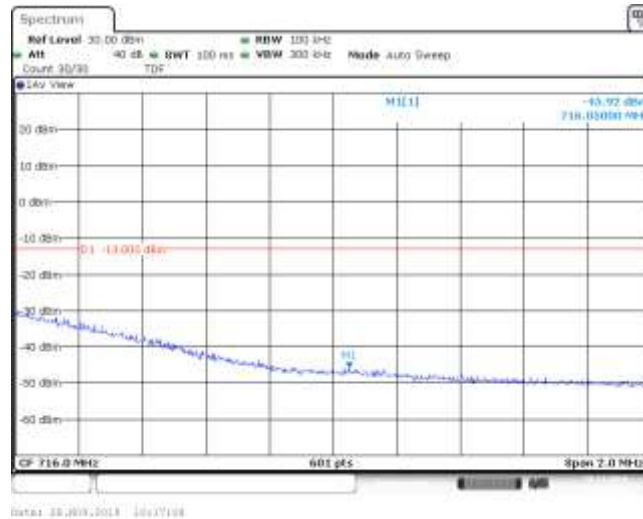
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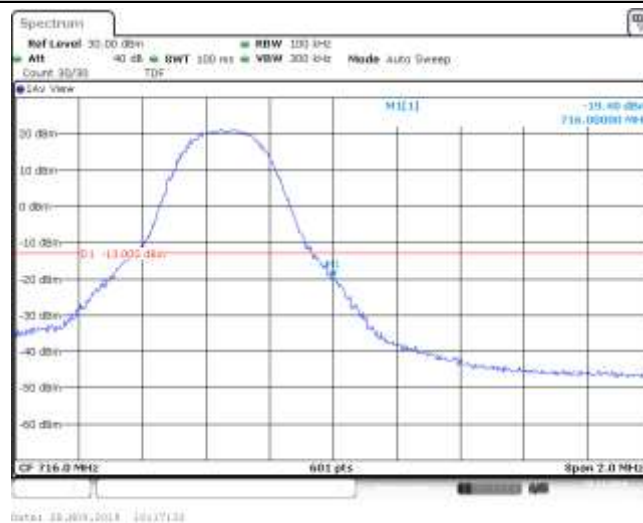
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Band17_5MHz_16QAM_23825_1RB#12



Band17_5MHz_16QAM_23825_1RB#24



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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

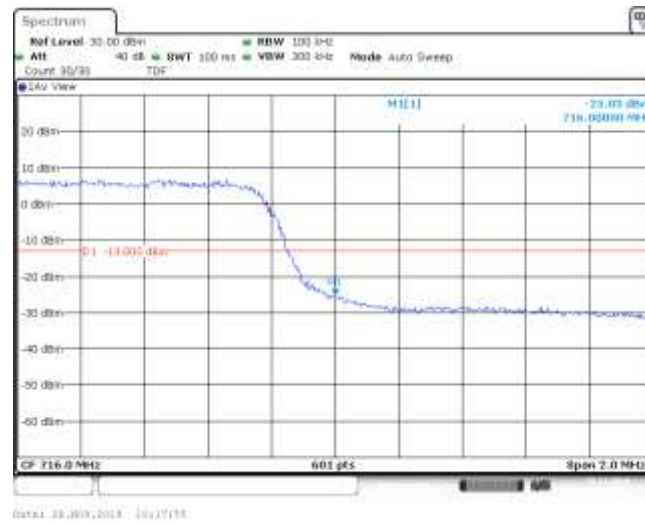
Tel.: (86)755-27521059

Fax: (86)755-27521011

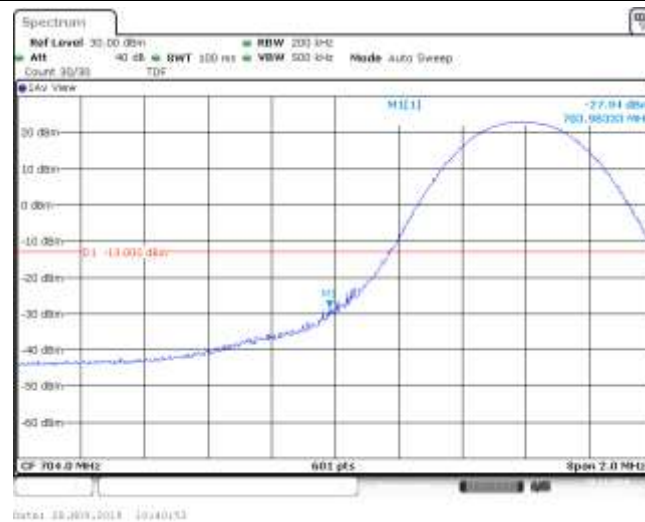
Http://www.sz-ctc.org.cn


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Band17_5MHz_16QAM_23825_25RB#0



Band17_10MHz_QPSK_23780_1RB#0



Band17_10MHz_QPSK_23780_1RB#24

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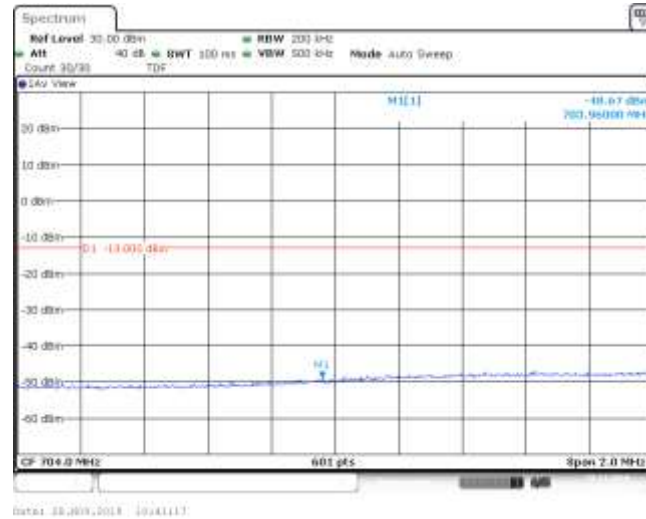
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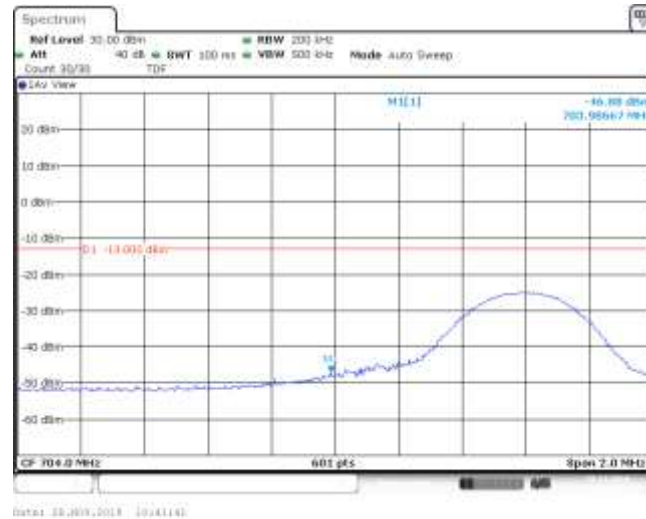
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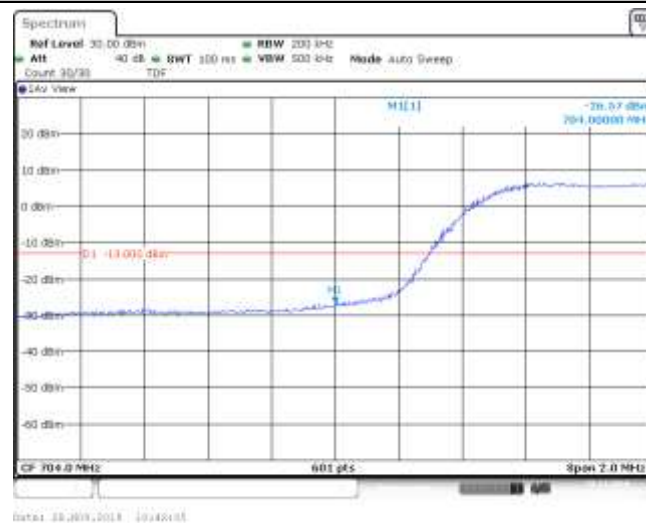
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Band17_10MHz_QPSK_23780_1RB#49



Band17_10MHz_QPSK_23780_50RB#0



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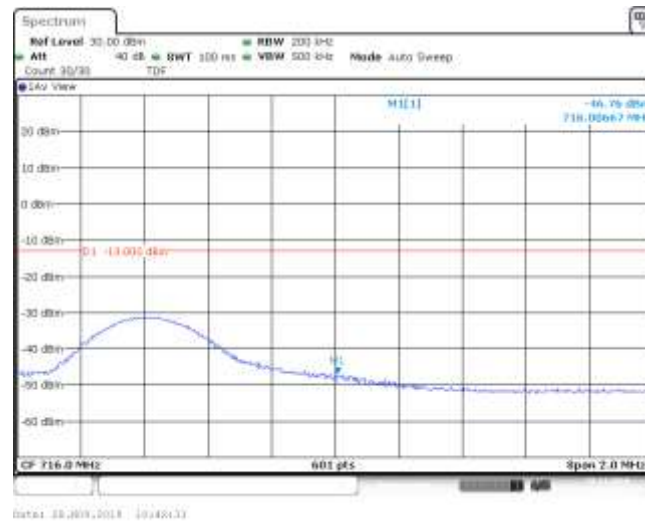
Tel.: (86)755-27521059

Fax: (86)755-27521011

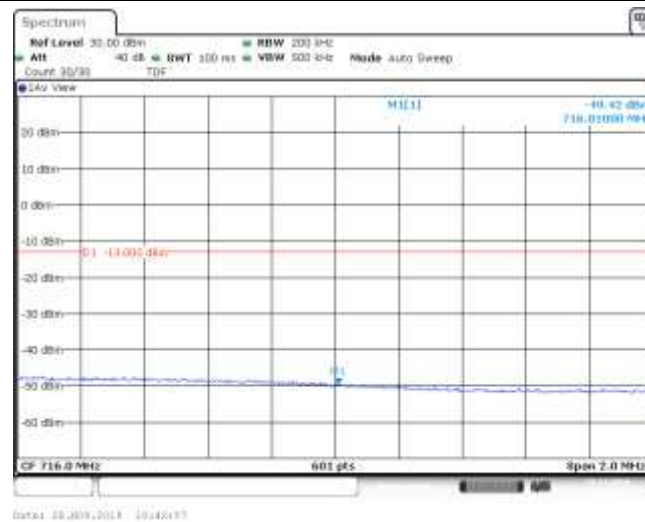
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Band17_10MHz_QPSK_23800_1RB#0



Band17_10MHz_QPSK_23800_1RB#24



Band17_10MHz_QPSK_23800_1RB#49

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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

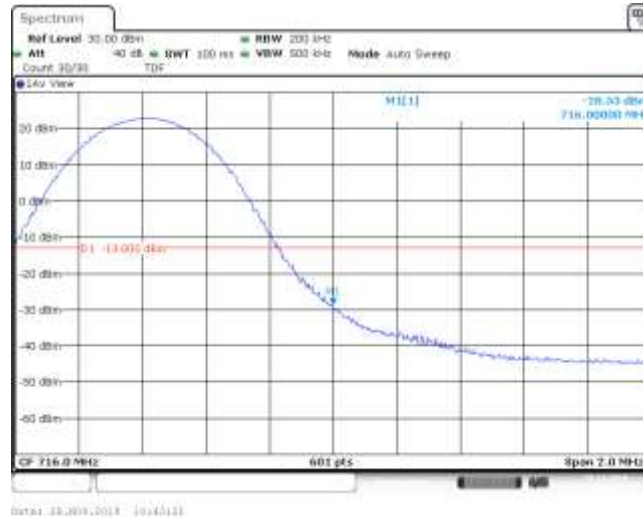
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Fax: (86)755-27521011

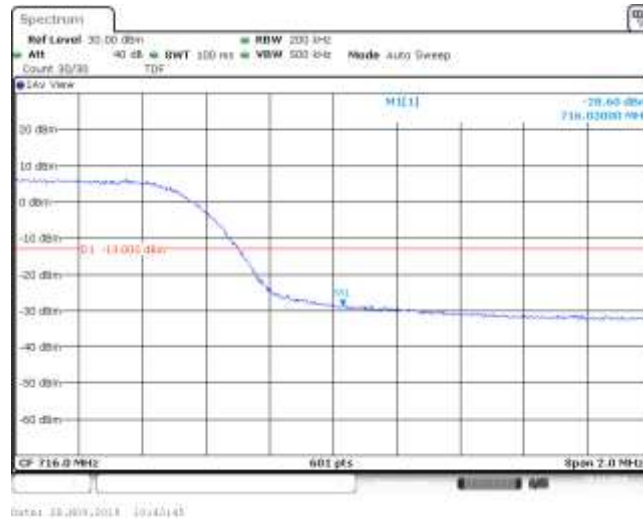
Http://www.sz-ctc.org.cn



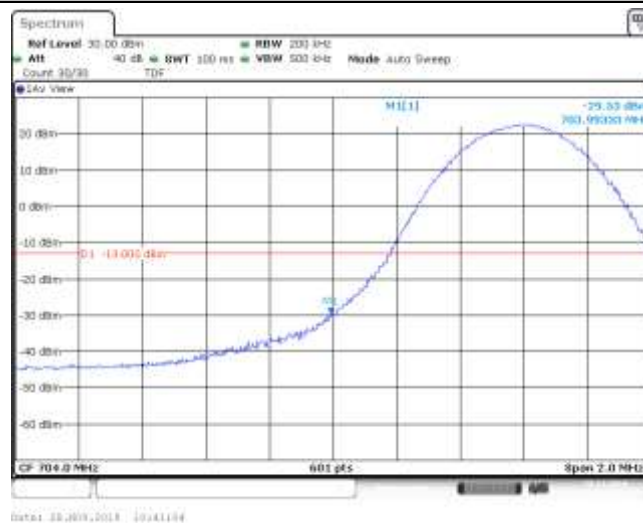
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Band17_10MHz_QPSK_23800_50RB#0



Band17_10MHz_16QAM_23780_1RB#0



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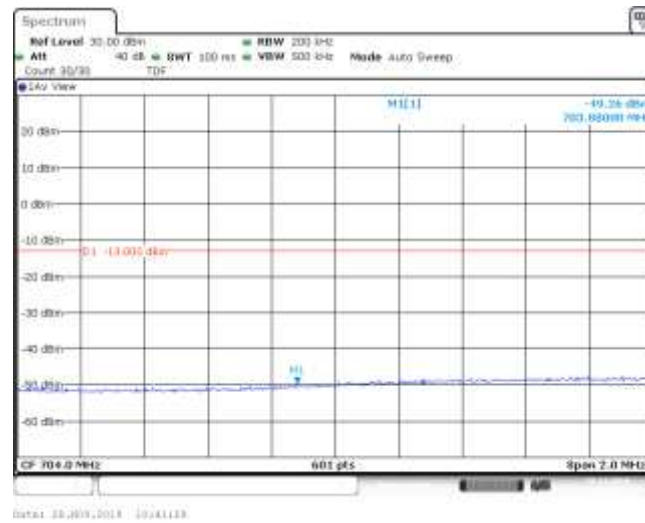
Tel.: (86)755-27521059

Fax: (86)755-27521011

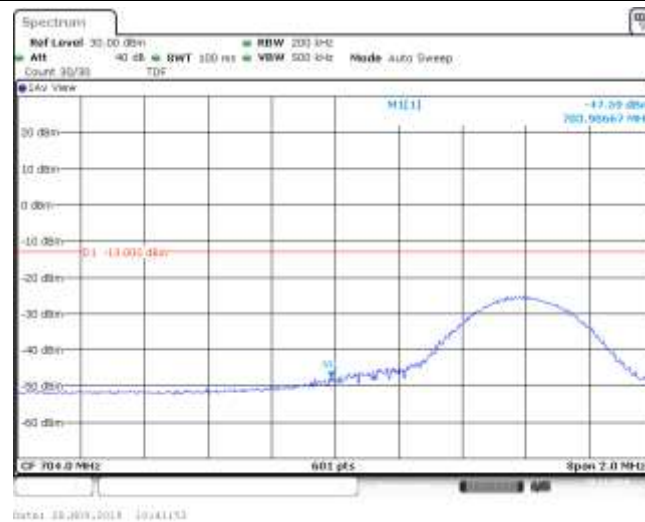
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Band17_10MHz_16QAM_23780_1RB#24



Band17_10MHz_16QAM_23780_1RB#49



Band17_10MHz_16QAM_23780_50RB#0

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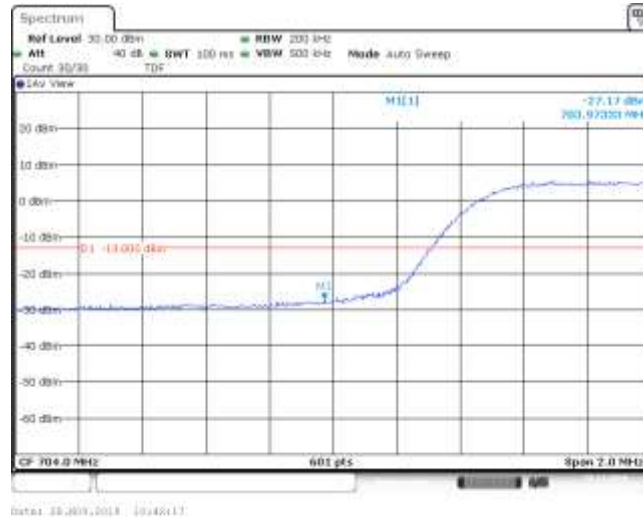
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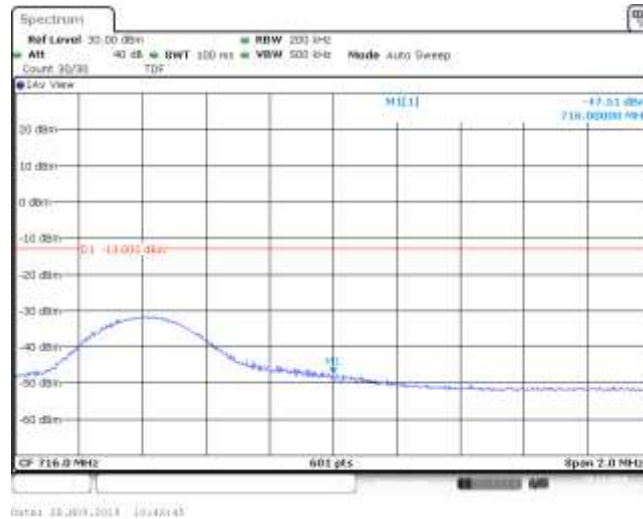
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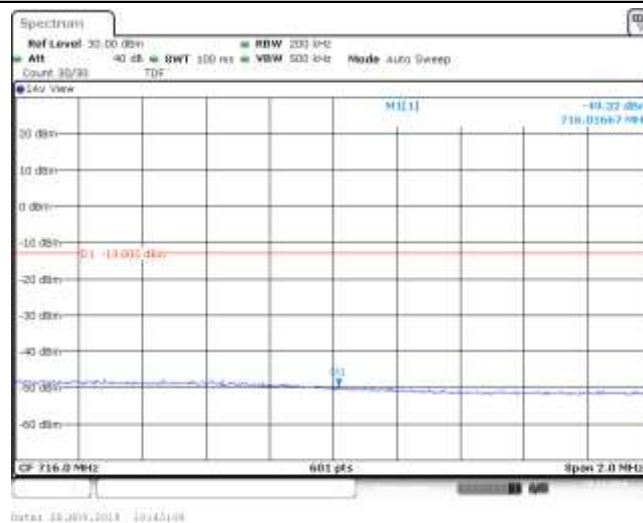
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Band17_10MHz_16QAM_23800_1RB#0



Band17_10MHz_16QAM_23800_1RB#24



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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

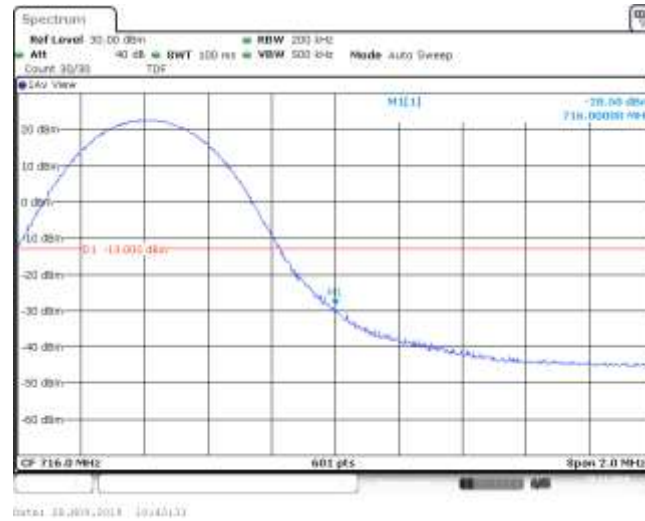
Tel.: (86)755-27521059

Fax: (86)755-27521011

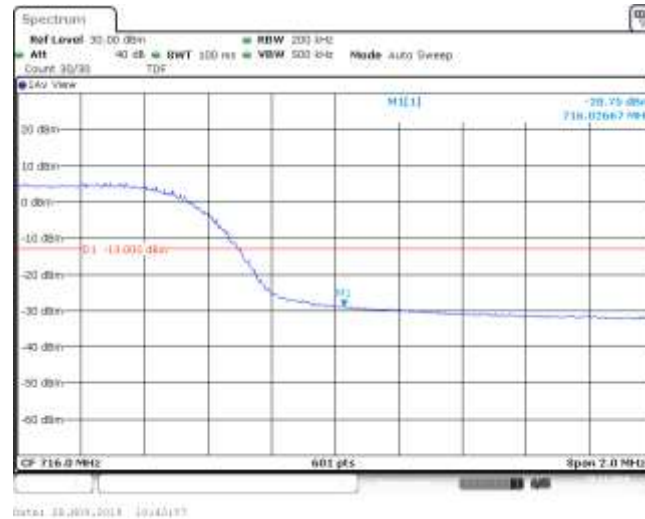
Http://www.sz-ctc.org.cn


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Band17_10MHz_16QAM_23800_1RB#49



Band17_10MHz_16QAM_23800_50RB#0



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Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	Range1:0.009~0.15MHz	-63.38	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range2:0.15~30MHz	-48.95	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range3:30~1000MHz	-60.52	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range4:1000~5000MHz	-42.93	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range5:5000~12000MHz	-57.8	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range6:12000~26500MHz	-58.6	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range1:0.009~0.15MHz	-63.01	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range2:0.15~30MHz	-49.83	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range3:30~1000MHz	-61.2	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range4:1000~5000MHz	-43.51	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range5:5000~12000MHz	-58.07	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range6:12000~26500MHz	-58.57	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range1:0.009~0.15MHz	-64.13	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range2:0.15~30MHz	-49.29	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range3:30~1000MHz	-60.96	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range4:1000~5000MHz	-43.98	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range5:5000~12000MHz	-57.88	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range6:12000~26500MHz	-58.61	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range1:0.009~0.15MHz	-63.45	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range2:0.15~30MHz	-52.16	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range3:30~1000MHz	-60.7	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range4:1000~5000MHz	-43.95	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range5:5000~12000MHz	-58	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range6:12000~26500MHz	-58.61	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range1:0.009~0.15MHz	-64.09	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range2:0.15~30MHz	-47.78	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range3:30~1000MHz	-60.54	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range4:1000~5000MHz	-43.97	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range5:5000~12000MHz	-58.01	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range6:12000~26500MHz	-58.67	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range1:0.009~0.15MHz	-64.56	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range2:0.15~30MHz	-49.96	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range3:30~1000MHz	-61.45	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range4:1000~5000MHz	-44.01	PASS

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Band17	5MHz	16QAM	23825	1RB#0	Range5:5000~12000MHz	-57.92	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range6:12000~26500MHz	-58.6	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range1:0.009~0.15MHz	-63.07	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range2:0.15~30MHz	-49.64	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range3:30~1000MHz	-60.33	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range4:1000~5000MHz	-43.05	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range5:5000~12000MHz	-58.1	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range6:12000~26500MHz	-58.51	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range1:0.009~0.15MHz	-63.49	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range2:0.15~30MHz	-50.6	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range3:30~1000MHz	-61.3	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range4:1000~5000MHz	-42.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range5:5000~12000MHz	-57.99	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range6:12000~26500MHz	-58.58	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range1:0.009~0.15MHz	-63.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range2:0.15~30MHz	-48.65	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range3:30~1000MHz	-61.33	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range4:1000~5000MHz	-42.42	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range5:5000~12000MHz	-57.98	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range6:12000~26500MHz	-58.43	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range1:0.009~0.15MHz	-63.76	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range2:0.15~30MHz	-51.91	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range3:30~1000MHz	-61.55	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range4:1000~5000MHz	-43.46	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range5:5000~12000MHz	-58.08	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range6:12000~26500MHz	-58.73	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range1:0.009~0.15MHz	-60.8	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range2:0.15~30MHz	-50.82	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range3:30~1000MHz	-61.25	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range4:1000~5000MHz	-42.99	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range5:5000~12000MHz	-58.01	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range6:12000~26500MHz	-58.52	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range1:0.009~0.15MHz	-62.69	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range2:0.15~30MHz	-48.91	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range3:30~1000MHz	-61.3	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range4:1000~5000MHz	-42.42	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range5:5000~12000MHz	-57.89	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range6:12000~26500MHz	-58.51	PASS

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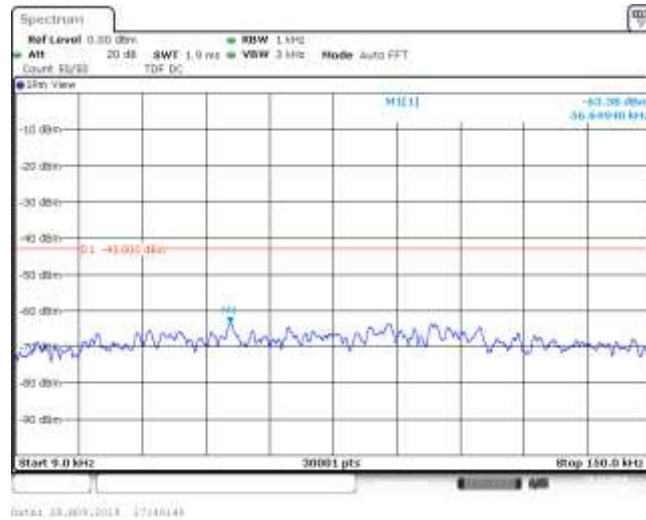
Fax: (86)755-27521011

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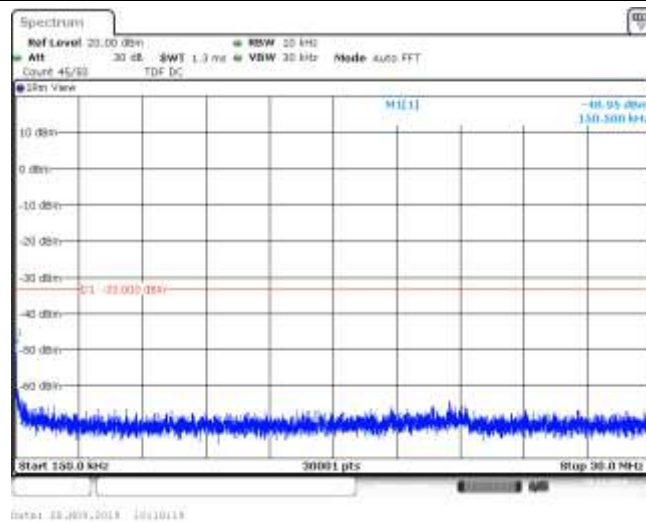
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Test Graphs

Band17_5MHz_QPSK_23755_1RB#0



Band17_5MHz_QPSK_23755_1RB#0



Band17_5MHz_QPSK_23755_1RB#0

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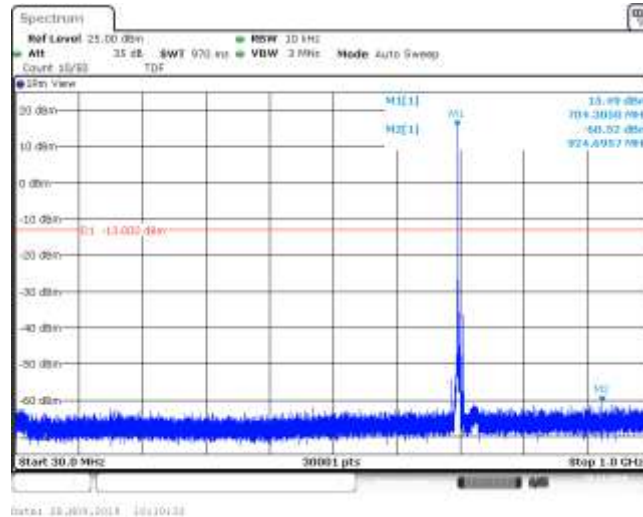
Tel.: (86)755-27521059

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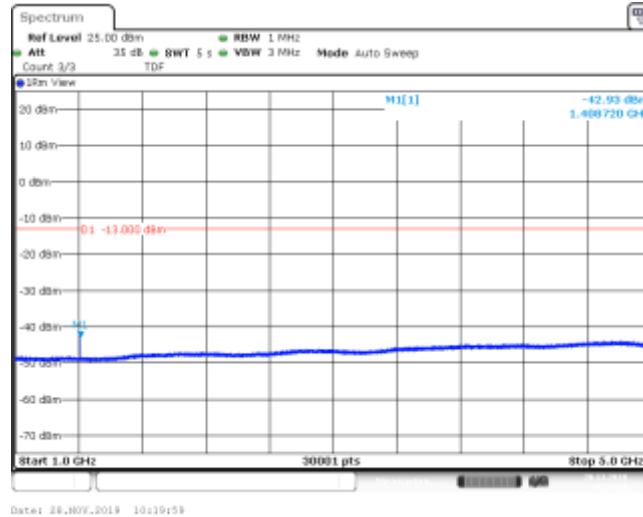
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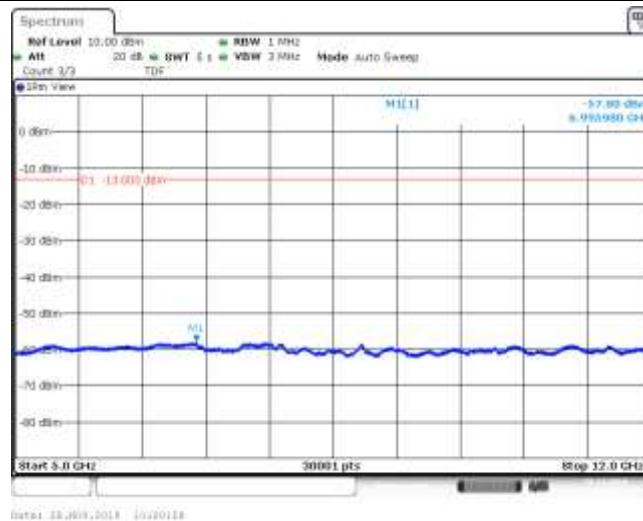
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Band17_5MHz_QPSK_23755_1RB#0



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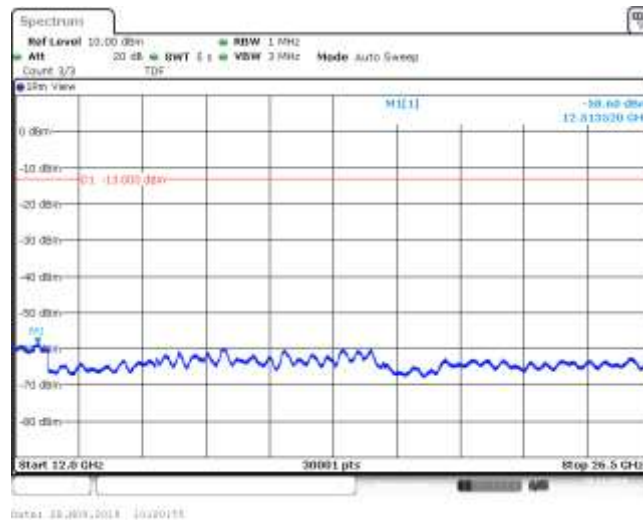
Tel.: (86)755-27521059

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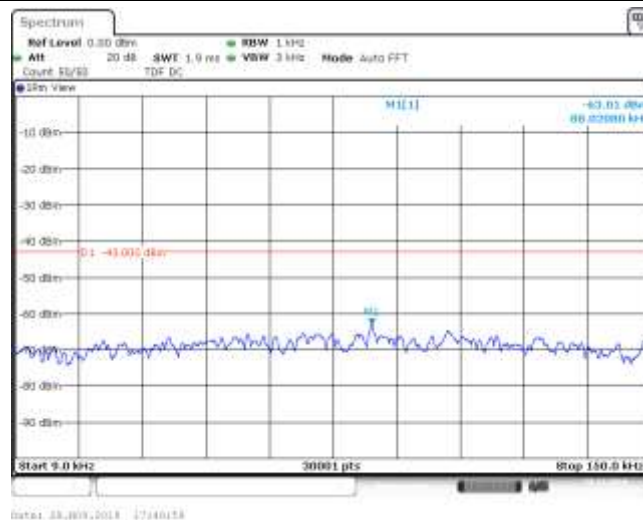
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Band17_5MHz_QPSK_23755_1RB#0



Band17_5MHz_QPSK_23790_1RB#0



Band17_5MHz_QPSK_23790_1RB#0

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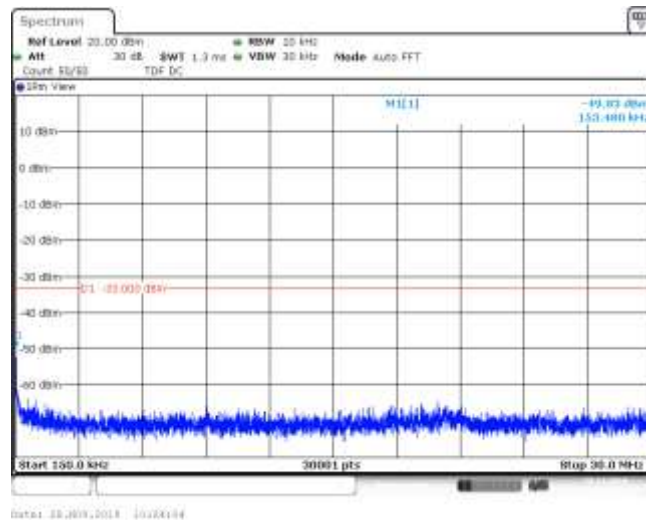
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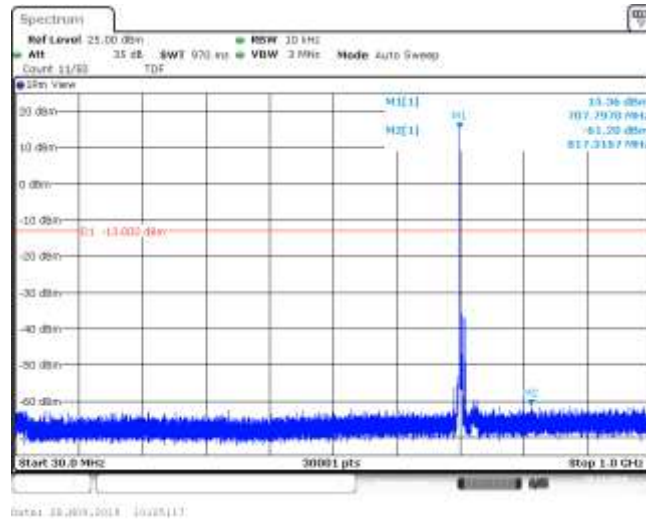
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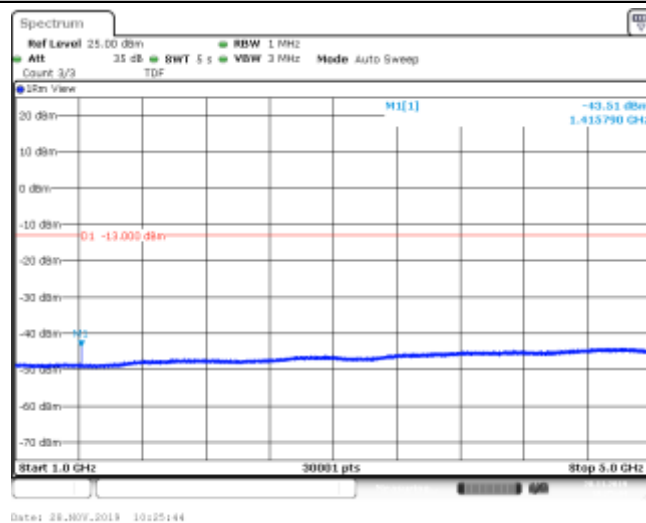

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Band17_5MHz_QPSK_23790_1RB#0



Band17_5MHz_QPSK_23790_1RB#0



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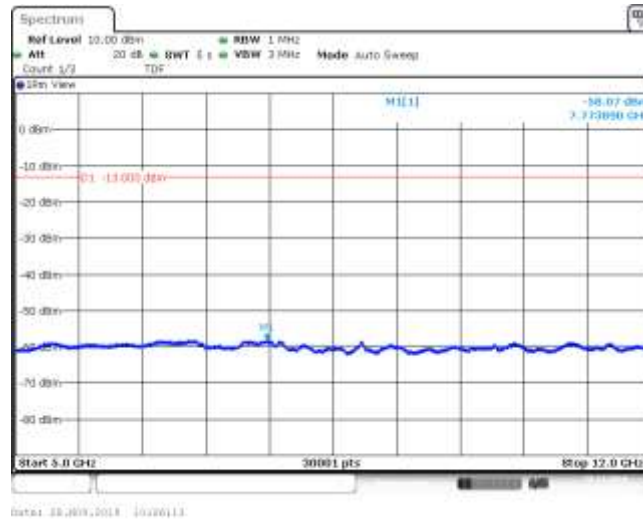
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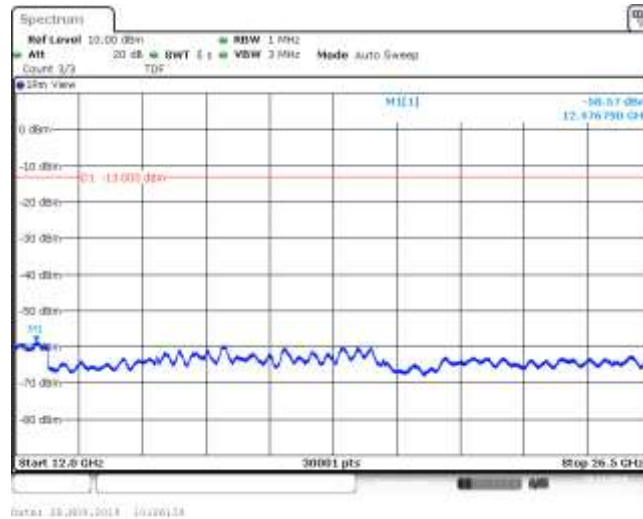
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Band17_5MHz_QPSK_23790_1RB#0



Band17_5MHz_QPSK_23790_1RB#0



Band17_5MHz_QPSK_23825_1RB#0

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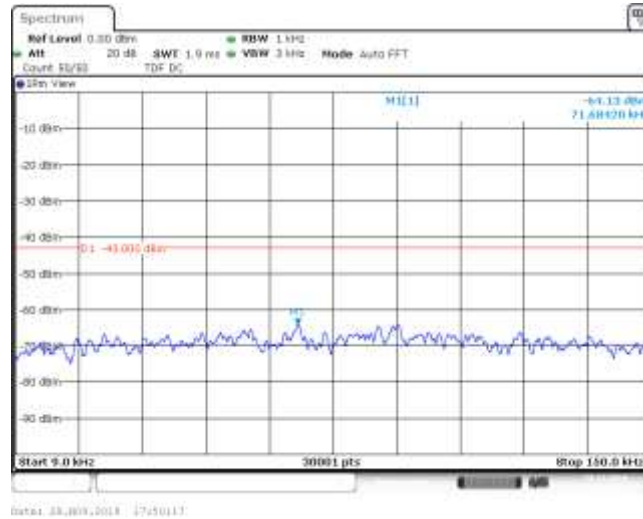
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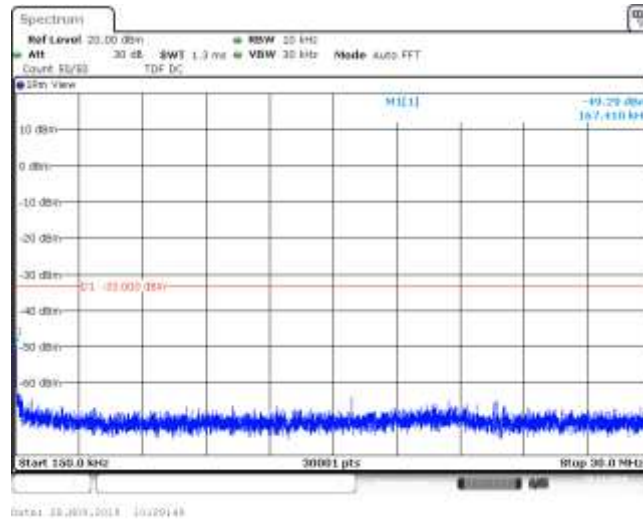
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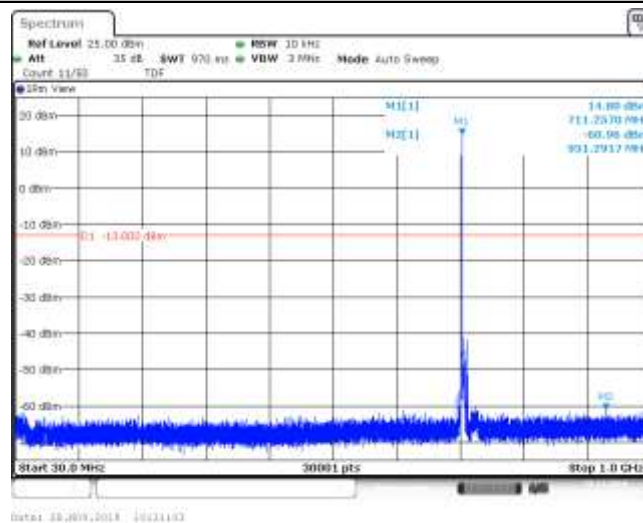
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Band17_5MHz_QPSK_23825_1RB#0



Band17_5MHz_QPSK_23825_1RB#0



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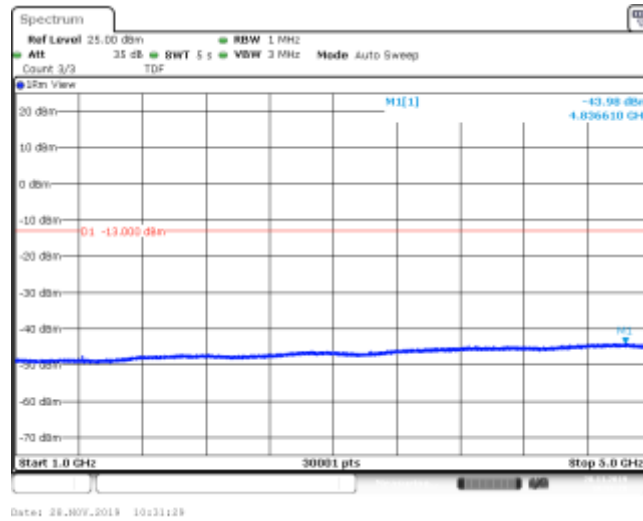
Tel.: (86)755-27521059

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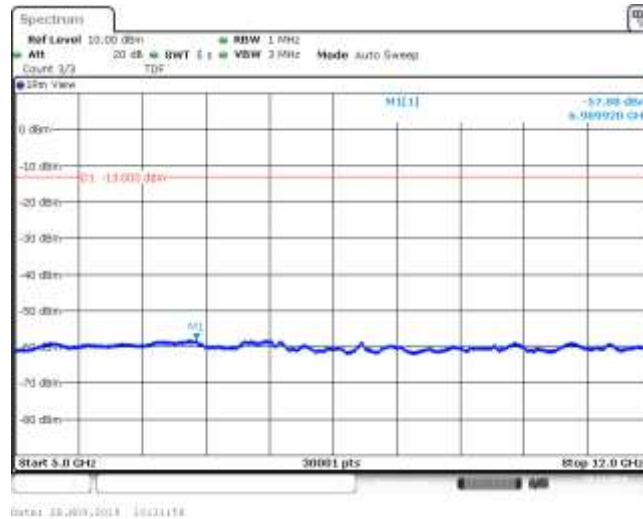
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Band17_5MHz_QPSK_23825_1RB#0



Band17_5MHz_QPSK_23825_1RB#0



Band17_5MHz_QPSK_23825_1RB#0

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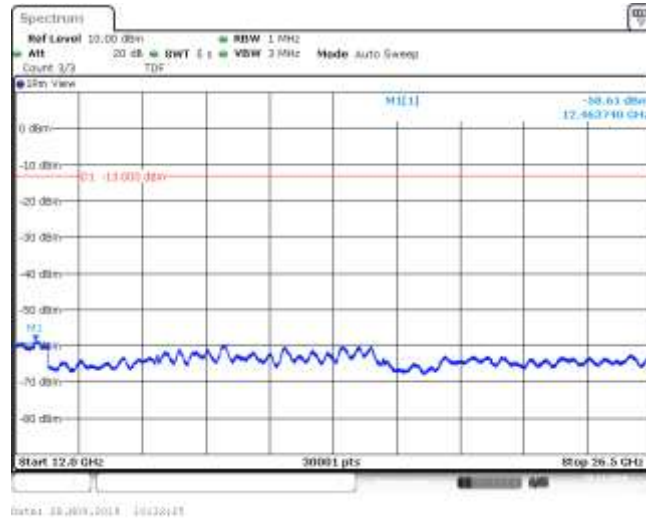
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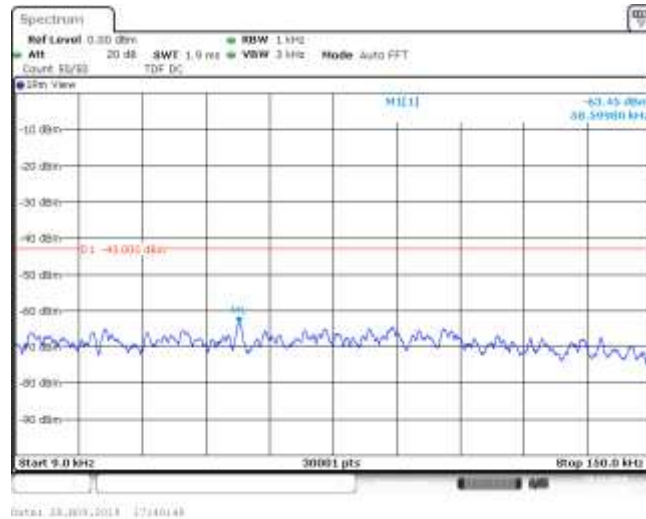
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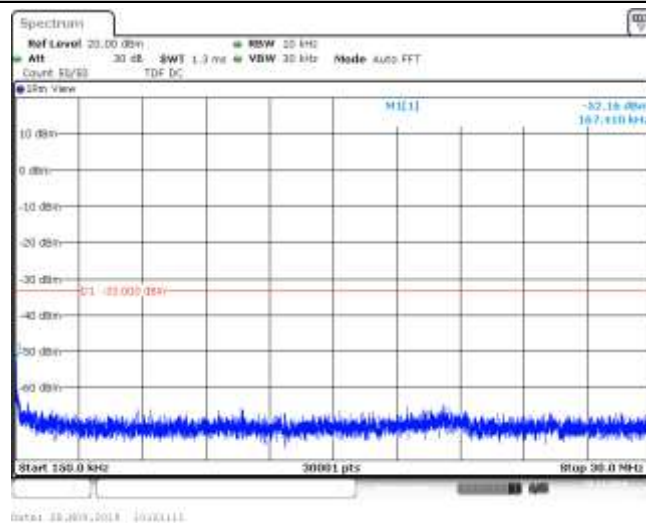

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Band17_5MHz_16QAM_23755_1RB#0



Band17_5MHz_16QAM_23755_1RB#0



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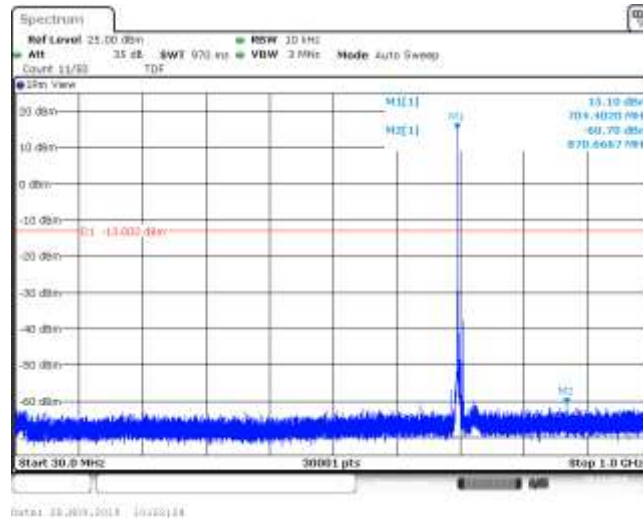
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Fax: (86)755-27521011

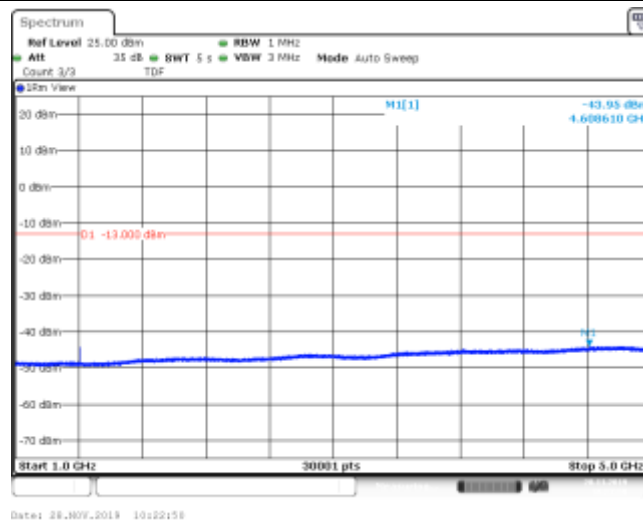
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Band17_5MHz_16QAM_23755_1RB#0



Band17_5MHz_16QAM_23755_1RB#0



Band17_5MHz_16QAM_23755_1RB#0

CTC Laboratories, Inc.

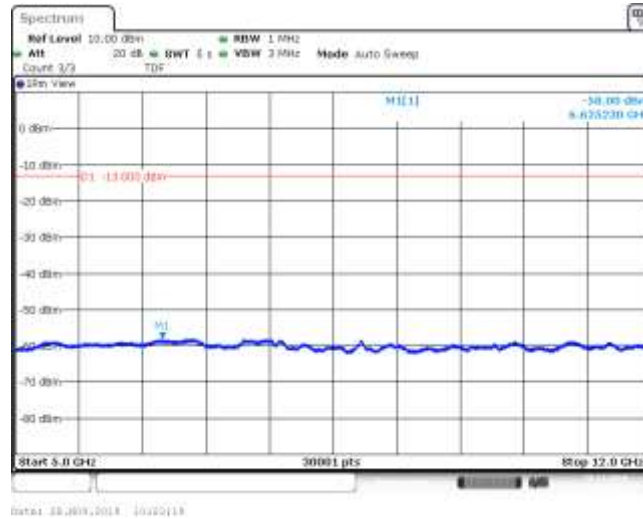
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Tel.: (86)755-27521059

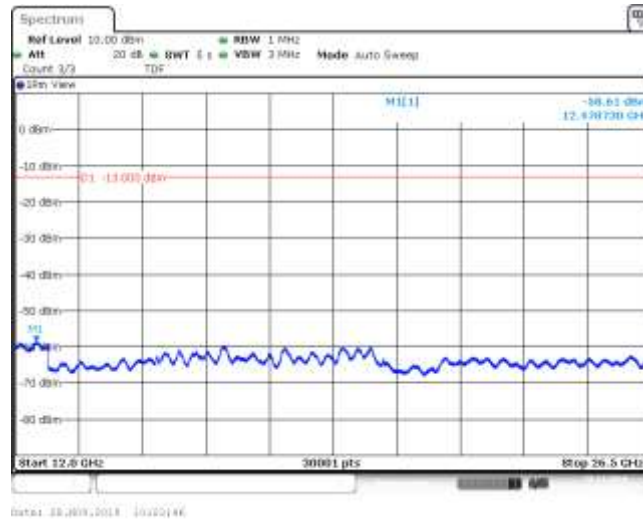
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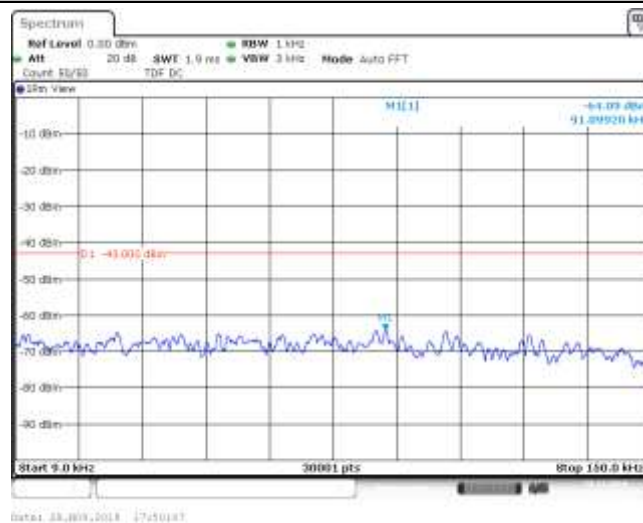

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Band17_5MHz_16QAM_23755_1RB#0



Band17_5MHz_16QAM_23790_1RB#0



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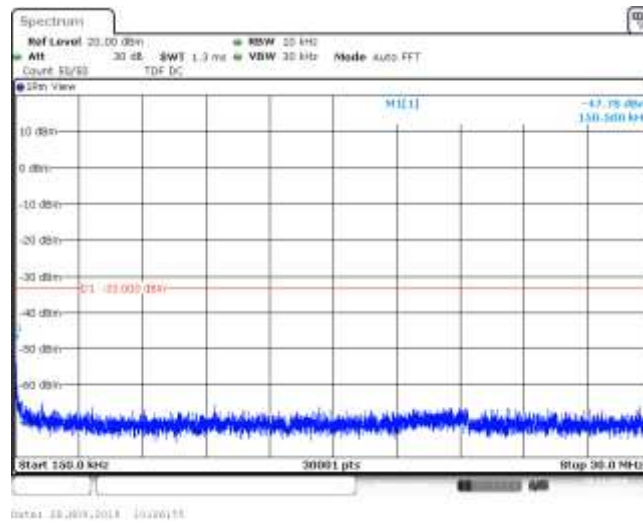
Tel.: (86)755-27521059

Fax: (86)755-27521011

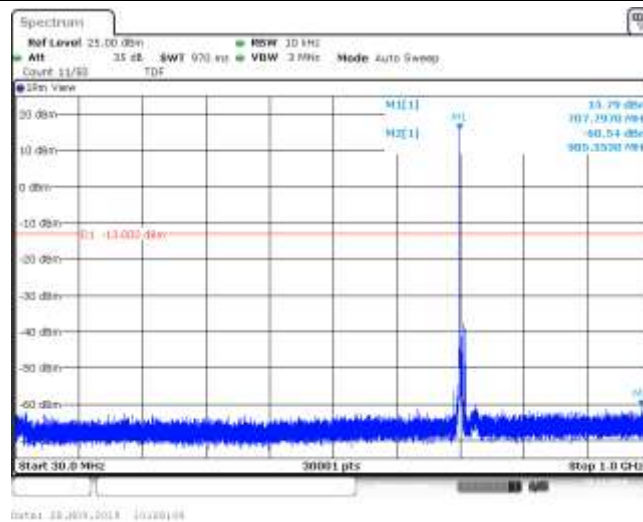
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Band17_5MHz_16QAM_23790_1RB#0



Band17_5MHz_16QAM_23790_1RB#0



Band17_5MHz_16QAM_23790_1RB#0

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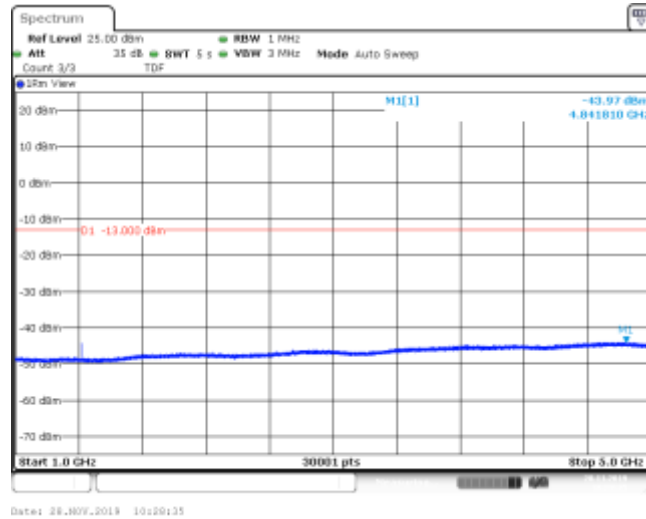
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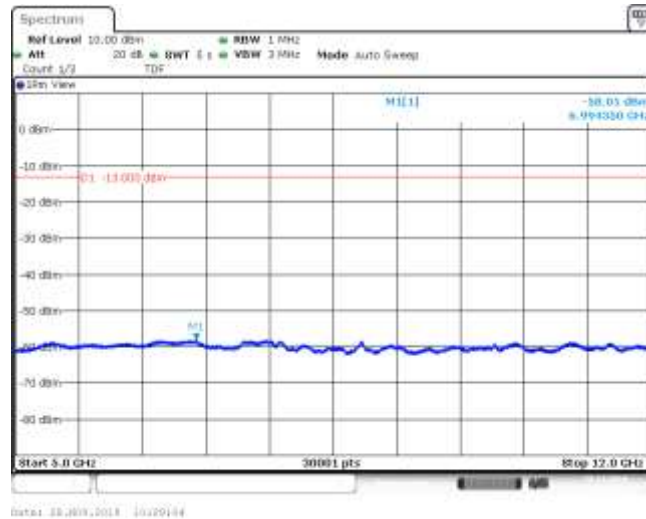
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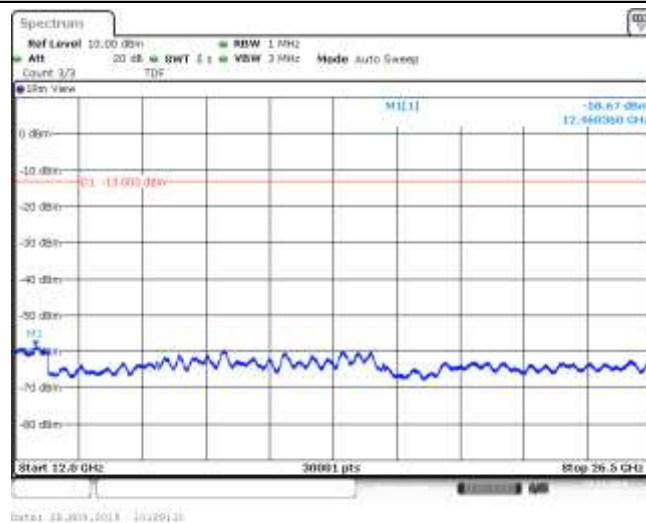

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Band17_5MHz_16QAM_23790_1RB#0



Band17_5MHz_16QAM_23790_1RB#0



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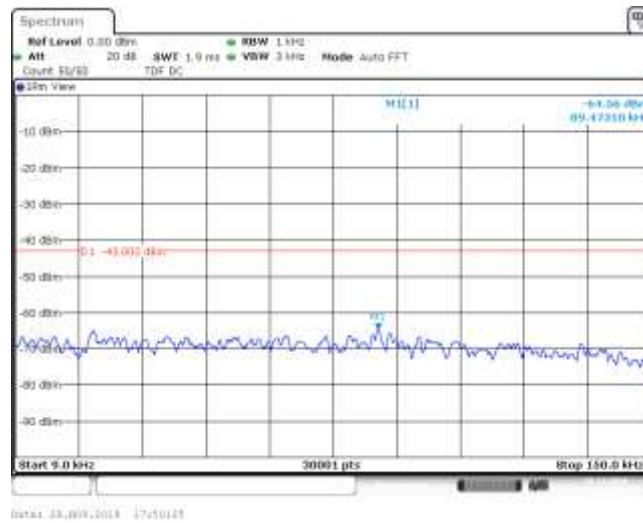
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Tel.: (86)755-27521059

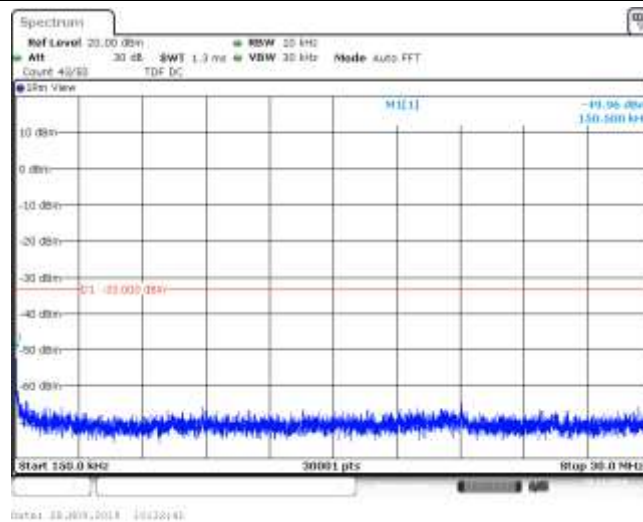
Fax: (86)755-27521011

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Band17_5MHz_16QAM_23825_1RB#0



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CTC Laboratories, Inc.

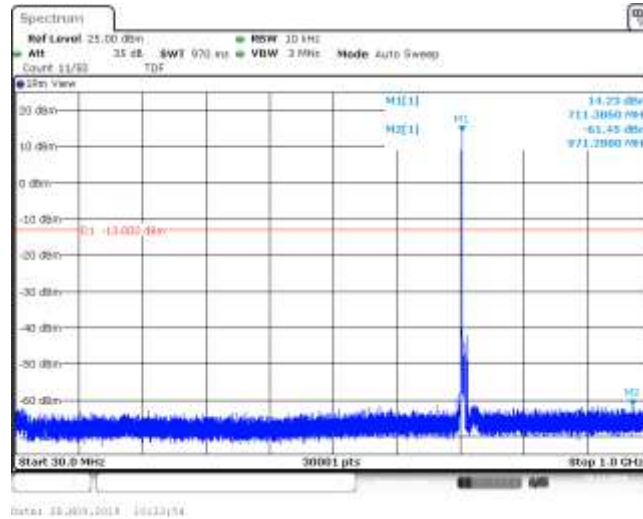
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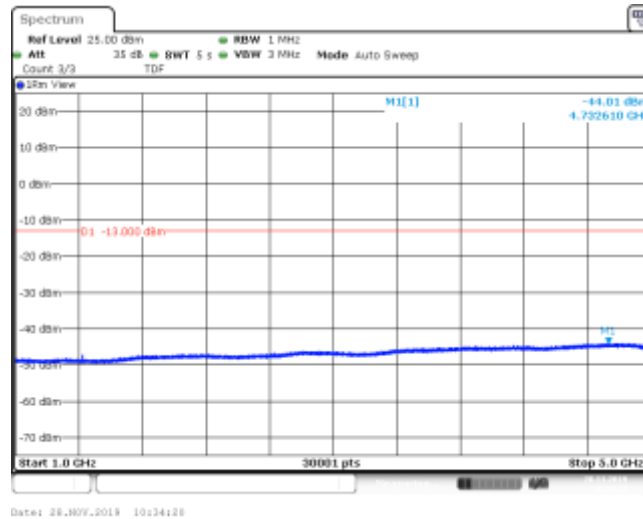
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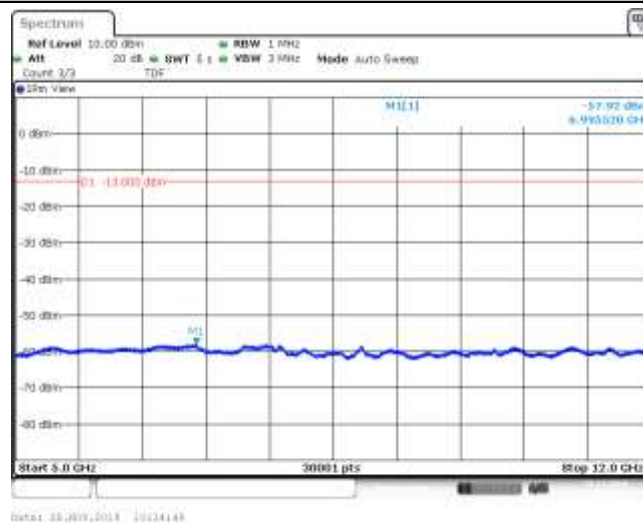
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Band17_5MHz_16QAM_23825_1RB#0



Band17_5MHz_16QAM_23825_1RB#0



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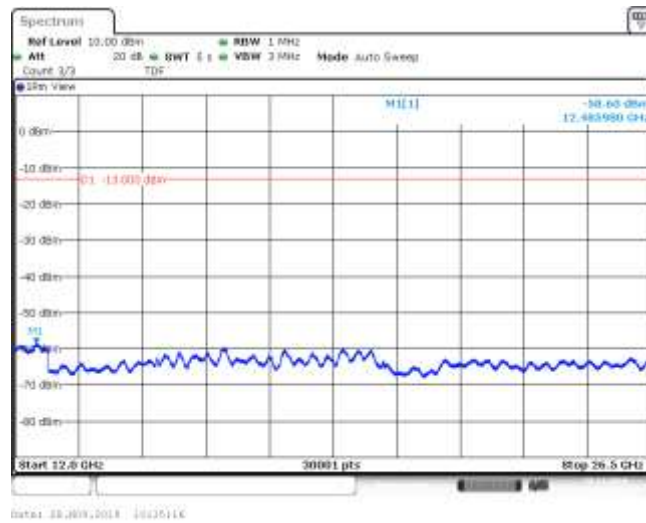
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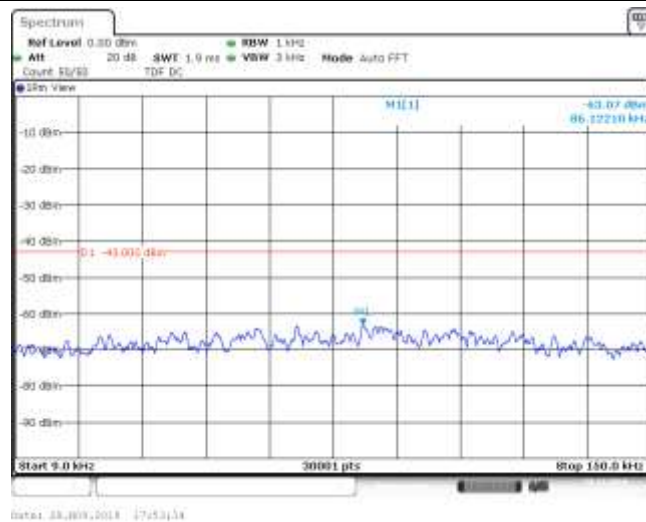
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Band17_5MHz_16QAM_23825_1RB#0



Band17_10MHz_QPSK_23780_1RB#0



Band17_10MHz_QPSK_23780_1RB#0

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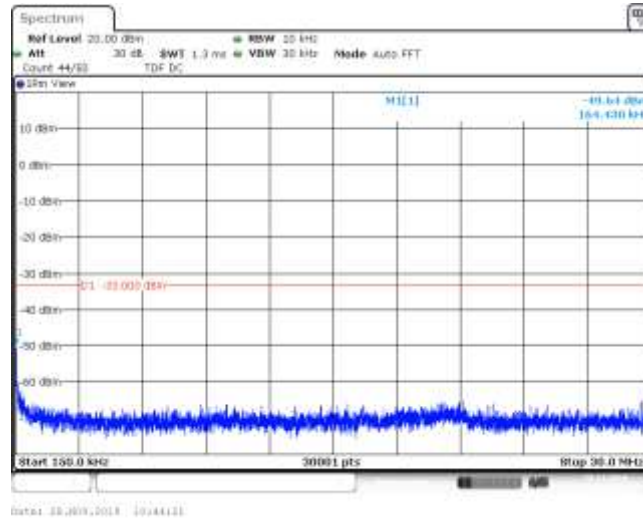
2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

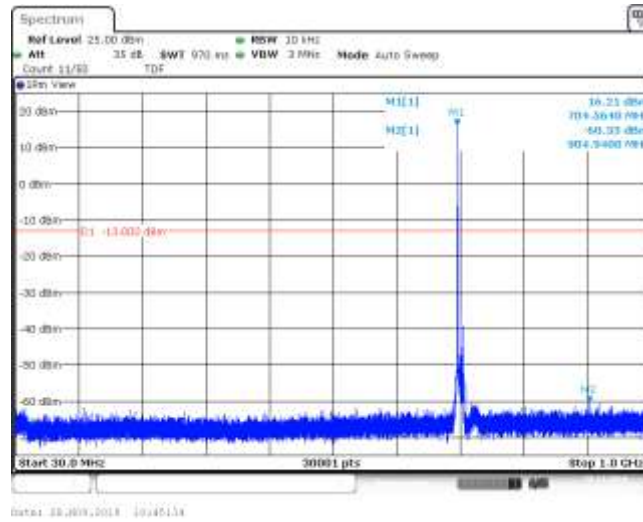
Fax: (86)755-27521011

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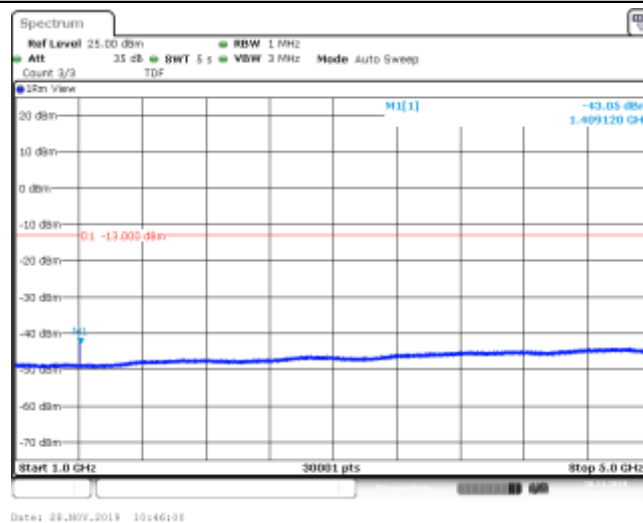
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Band17_10MHz_QPSK_23780_1RB#0



Band17_10MHz_QPSK_23780_1RB#0



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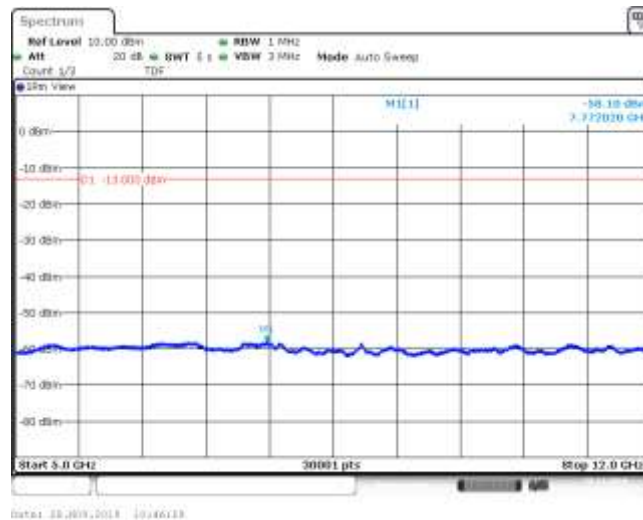
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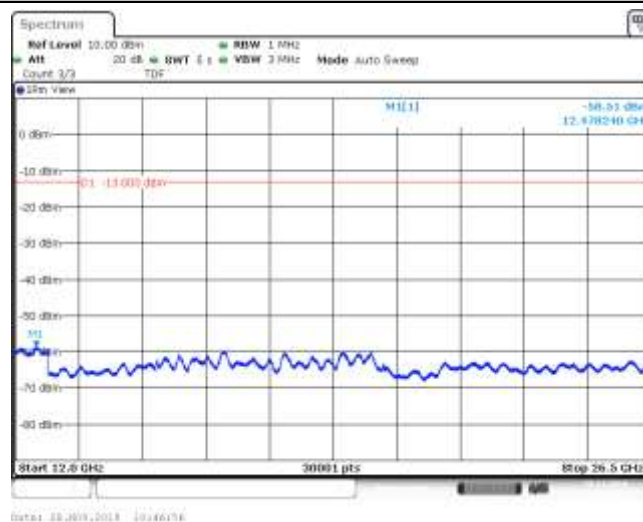
Fax: (86)755-27521011

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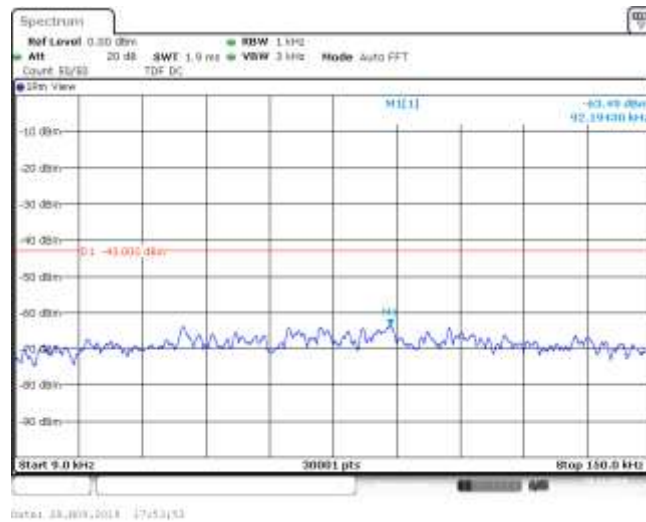
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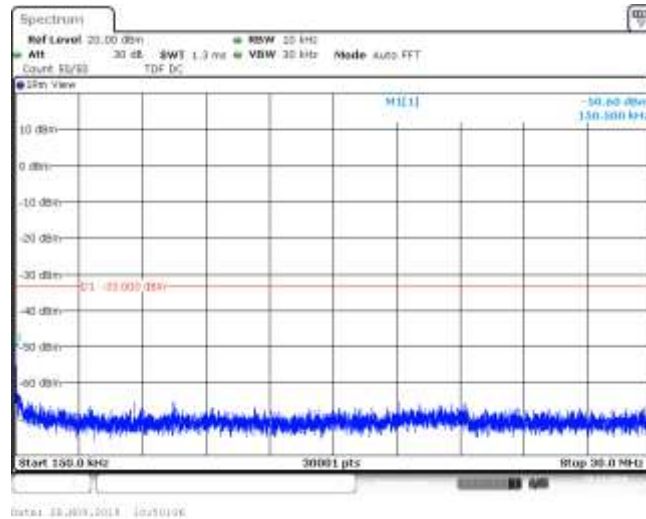
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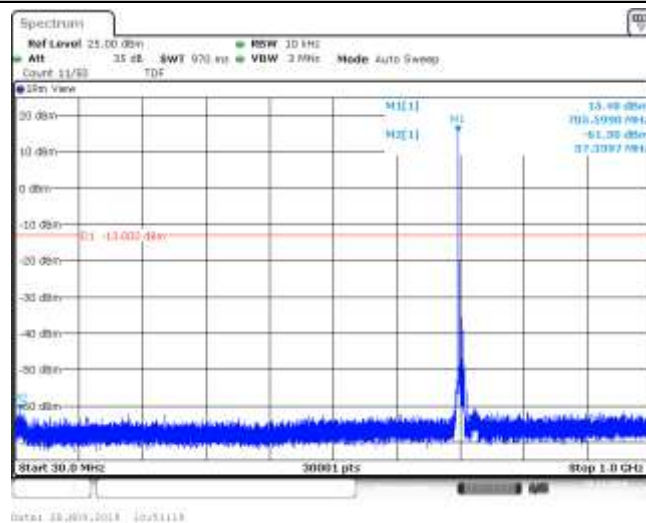
Band17_10MHz_QPSK_23790_1RB#0



Band17_10MHz_QPSK_23790_1RB#0



Band17_10MHz_QPSK_23790_1RB#0



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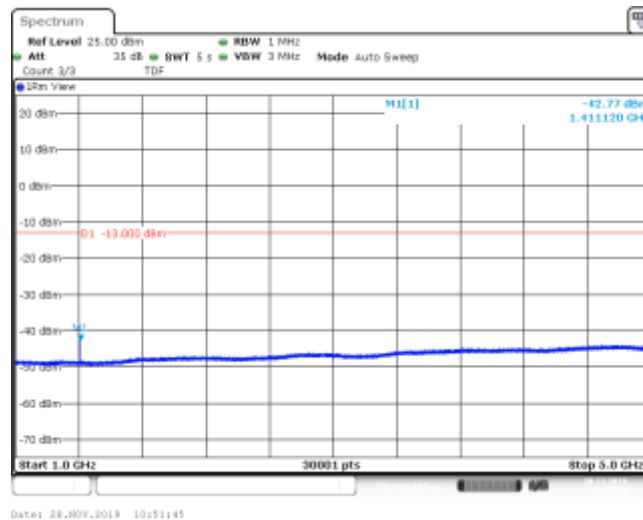
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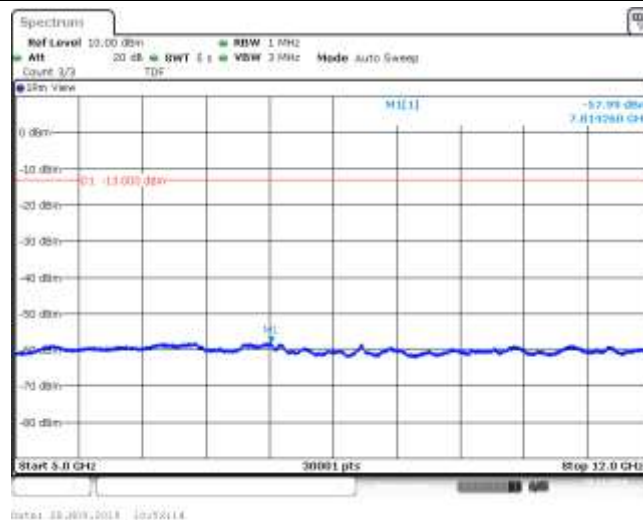
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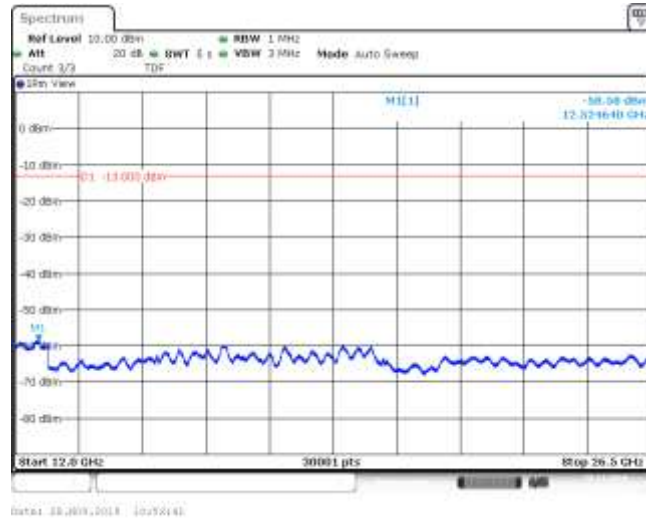
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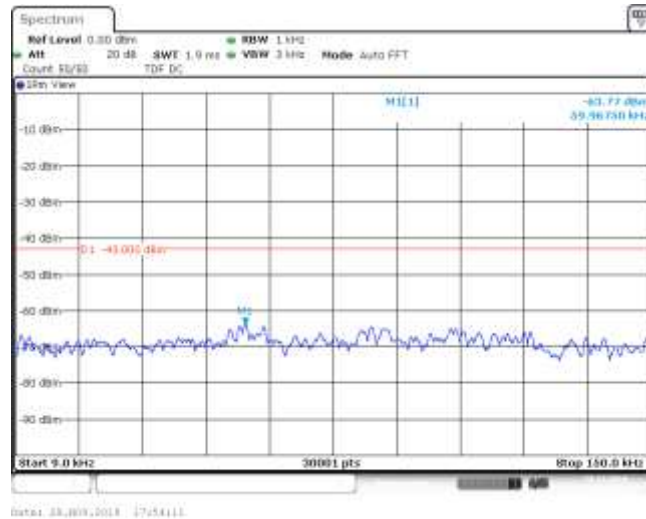
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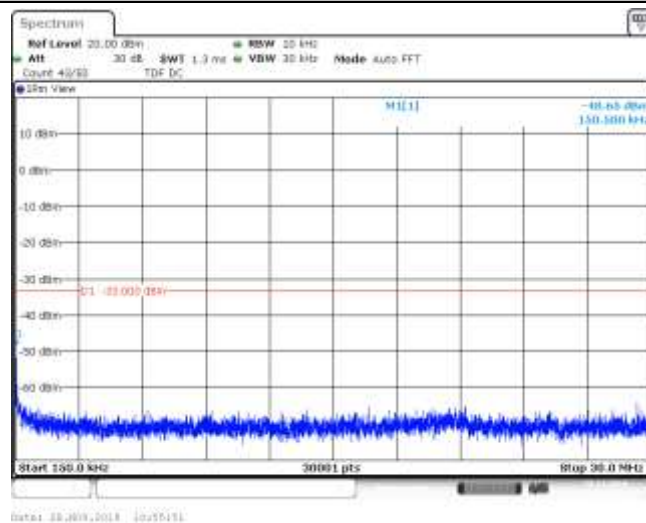
Band17_10MHz_QPSK_23790_1RB#0



Band17_10MHz_QPSK_23800_1RB#0



Band17_10MHz_QPSK_23800_1RB#0



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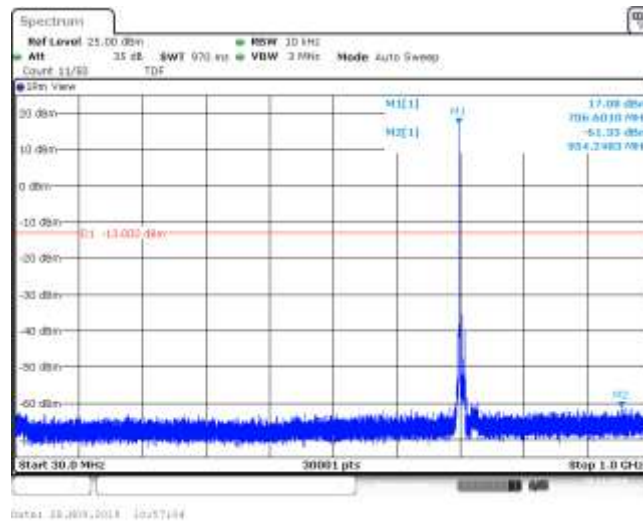
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Tel.: (86)755-27521059

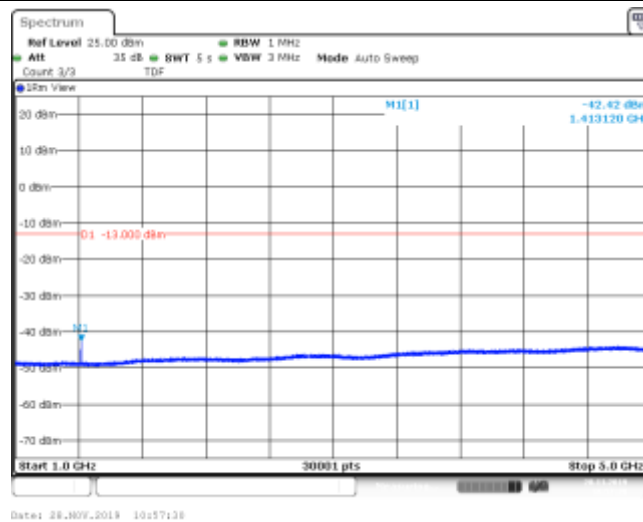
Fax: (86)755-27521011

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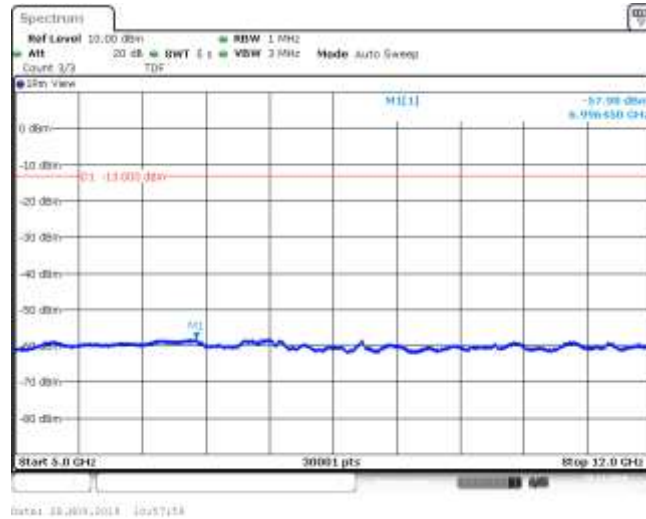
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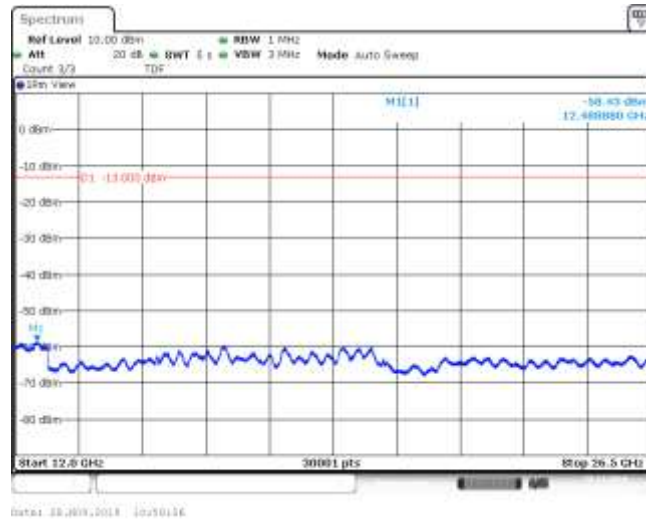
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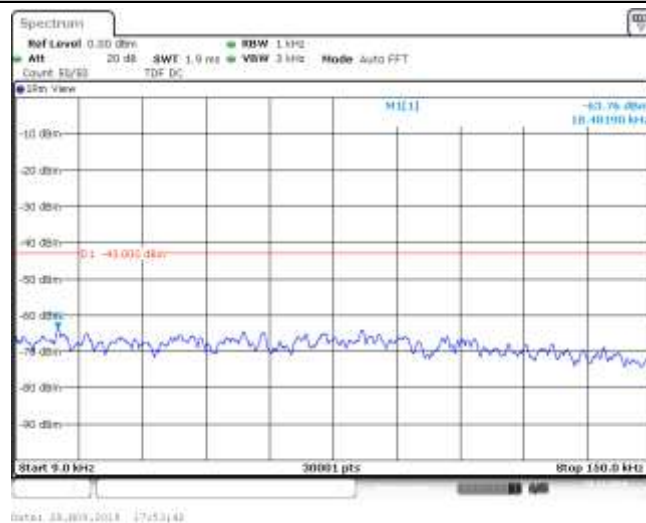

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Band17_10MHz_QPSK_23800_1RB#0



Band17_10MHz_16QAM_23780_1RB#0



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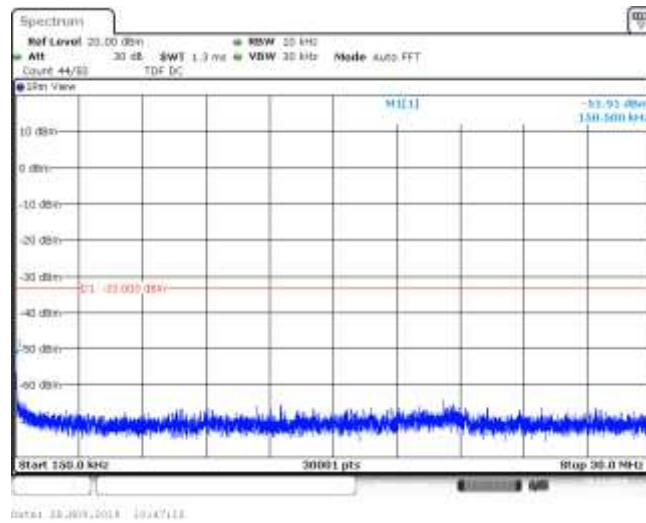
Tel.: (86)755-27521059

Fax: (86)755-27521011

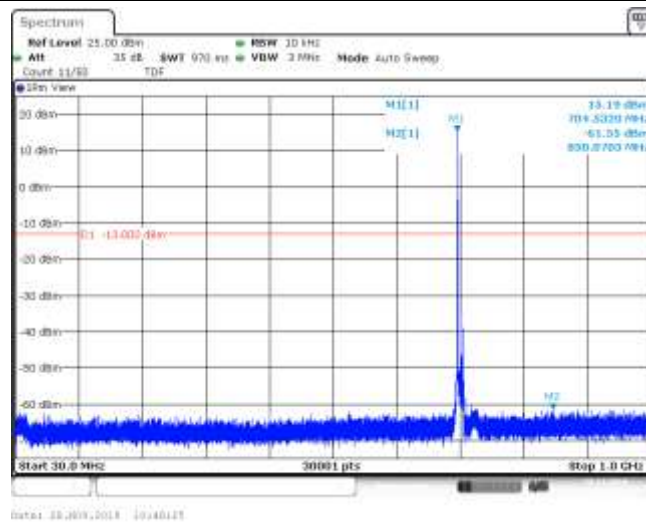
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Band17_10MHz_16QAM_23780_1RB#0



Band17_10MHz_16QAM_23780_1RB#0



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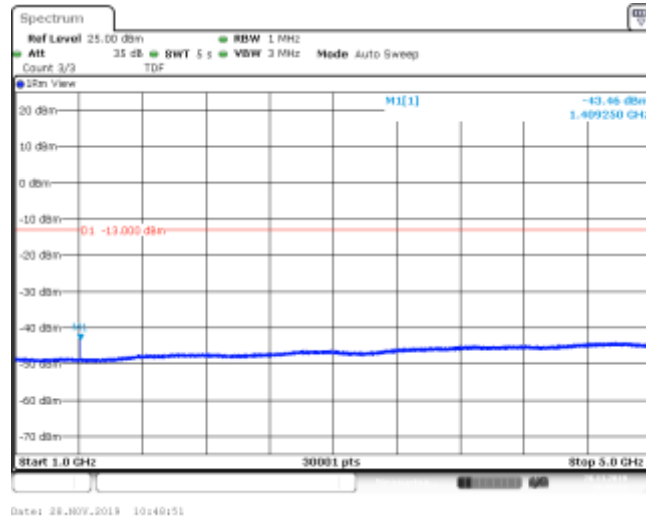
CTC Laboratories, Inc.

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

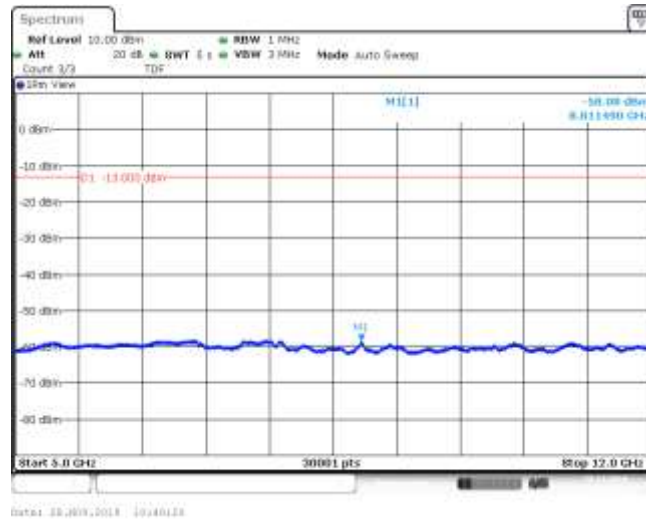
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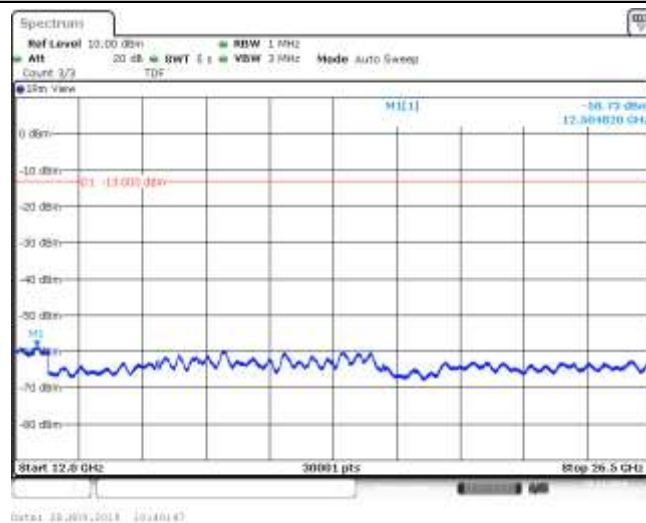

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Band17_10MHz_16QAM_23780_1RB#0



Band17_10MHz_16QAM_23780_1RB#0



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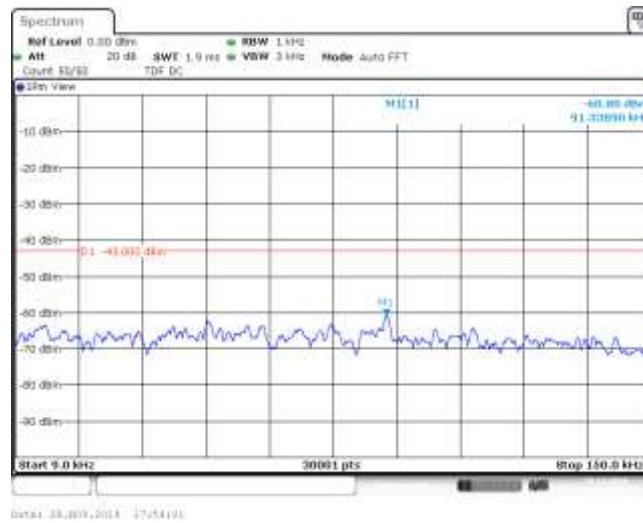
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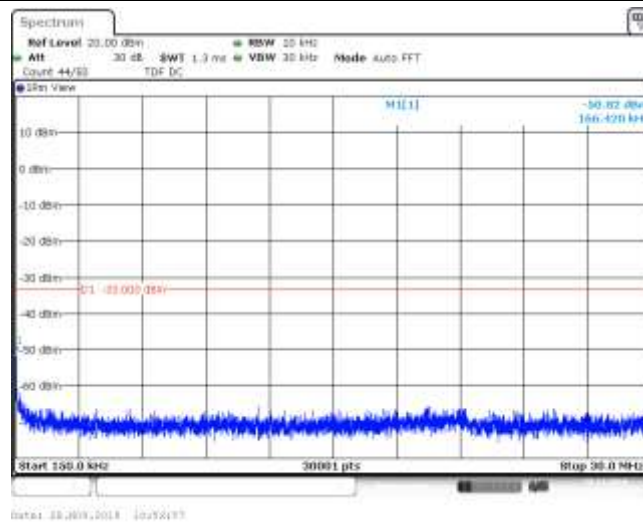
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Band17_10MHz_16QAM_23790_1RB#0



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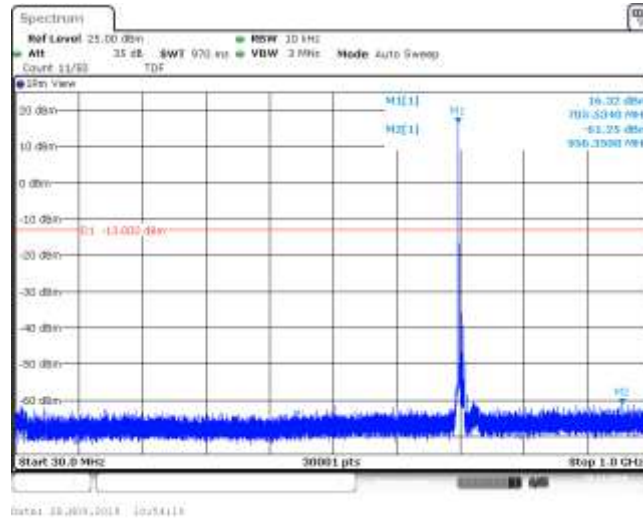
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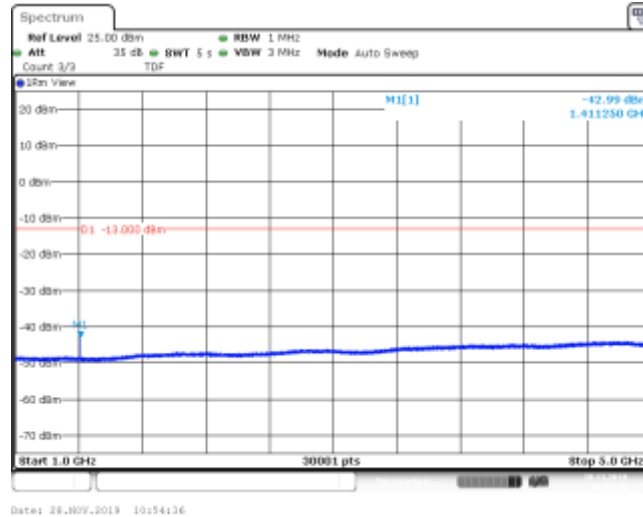
Fax: (86)755-27521011

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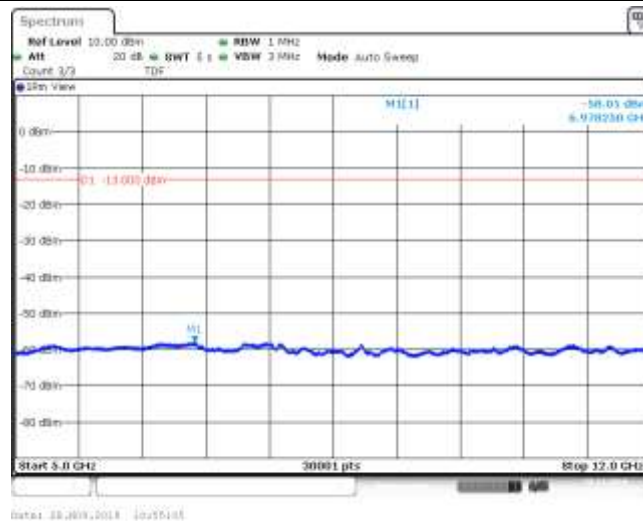
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Band17_10MHz_16QAM_23790_1RB#0



Band17_10MHz_16QAM_23790_1RB#0



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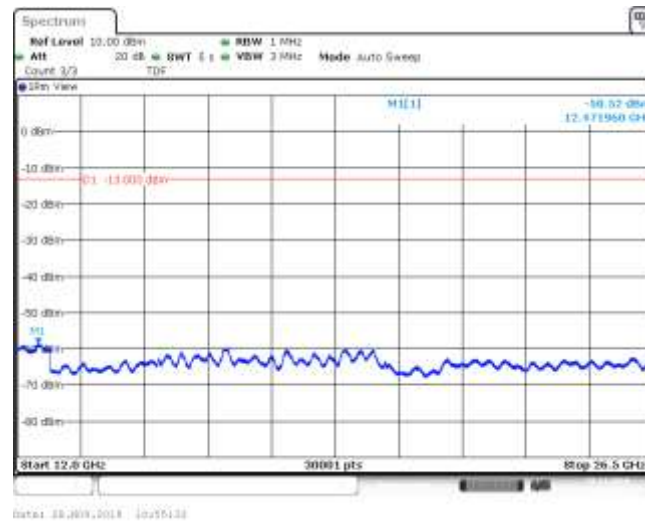
Tel.: (86)755-27521059

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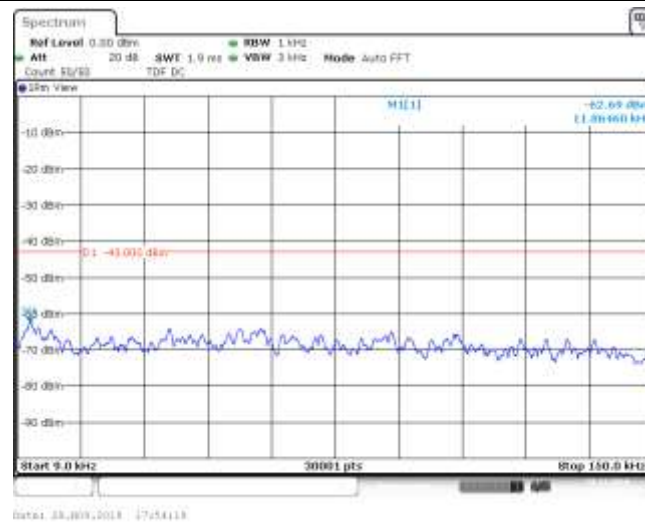
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Band17_10MHz_16QAM_23790_1RB#0



Band17_10MHz_16QAM_23800_1RB#0



Band17_10MHz_16QAM_23800_1RB#0

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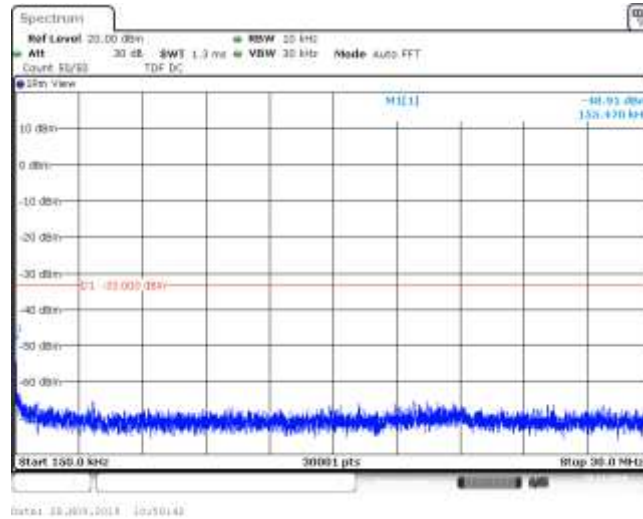
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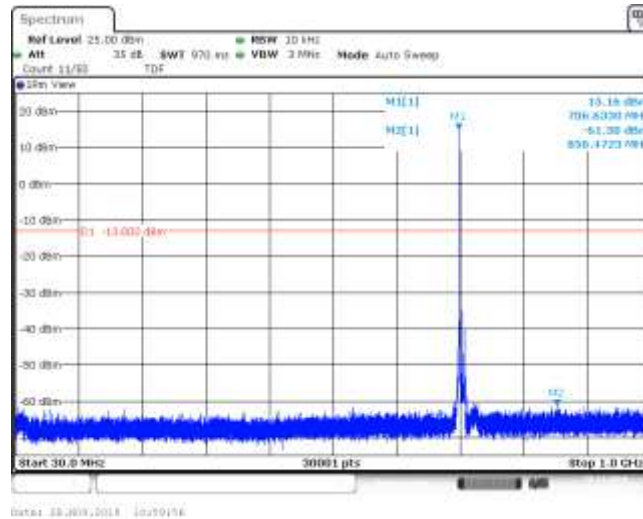
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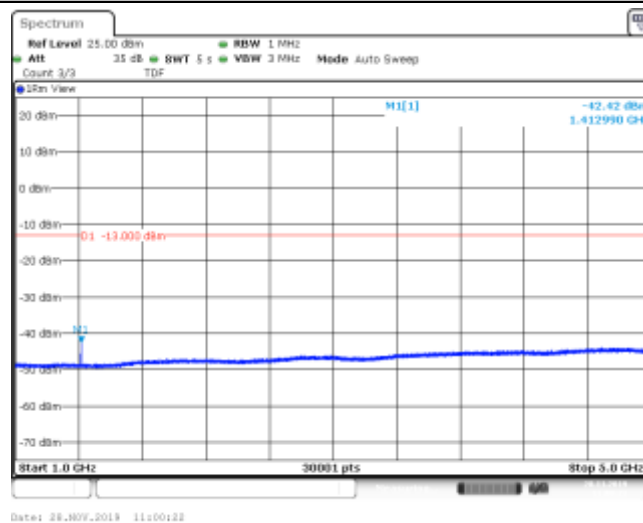
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Band17_10MHz_16QAM_23800_1RB#0



Band17_10MHz_16QAM_23800_1RB#0



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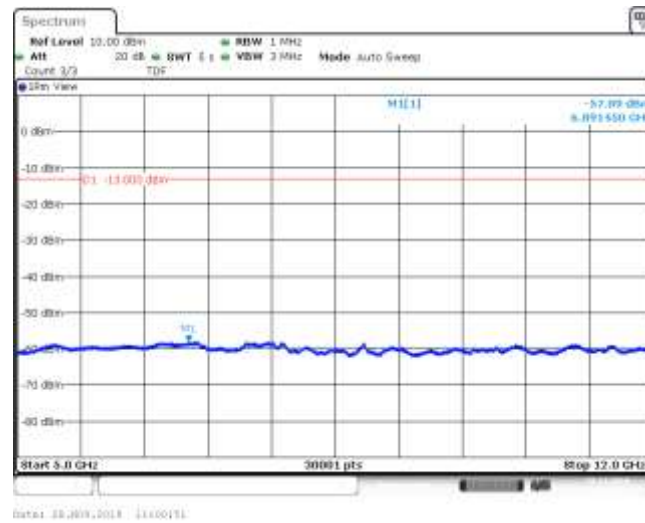
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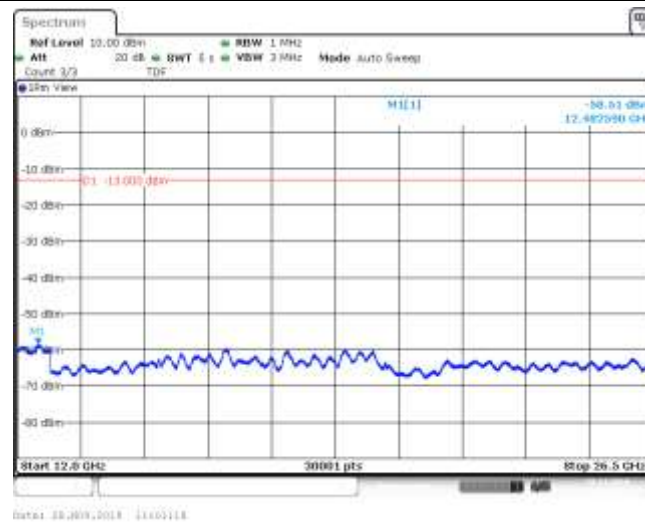
Fax: (86)755-27521011

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Band17_10MHz_16QAM_23800_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
Band17	5MHz	QPSK	23790	25RB#0	VL	NT	-3.23	-0.004549	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VN	NT	-3.25	-0.004577	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VH	NT	3.75	0.005282	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-4.55	-0.006408	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	-5.02	-0.007070	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	3.76	0.005296	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band17	5MHz	QPSK	23790	25RB#0	NV	-30	-3.50	-0.004930	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-20	-3.13	-0.004408	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	0	-3.28	-0.004620	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	10	-5.28	-0.007437	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	20	2.06	0.002901	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	2.27	0.003197	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-6.15	-0.008662	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	-5.05	-0.007113	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-5.48	-0.007718	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-3.35	-0.004718	±2.5	PASS

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