

CTC20192260E02 Appendix for WCDMA
BAND5-2
FCC ID: 2AC88-GLMU19A02

CTC Laboratories, Inc.

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APPENDIXE: CONDUCTED SPURIOUS EMISSION	63
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AppendixE: Conducted Spurious Emission

Test Result

WCDMA:

Band	Channel	Frequency Range(Mhz)	Value(dBm)	Limit(dBm)	Verdict
Band V	4132	0.009~0.15	-73.96	-33	PASS

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Band V	4132	0.15~30	-50.42	-13	PASS
Band V	4132	30~1000	-39.54	-13	PASS
Band V	4132	1000~3000	-45.97	-13	PASS
Band V	4132	3000~10000	-57.77	-13	PASS
Band V	4132	10000~18000	-53.43	-13	PASS
Band V	4182	0.009~0.15	-73.26	-33	PASS
Band V	4182	0.15~30	-50.50	-13	PASS
Band V	4182	30~1000	-41.02	-13	PASS
Band V	4182	1000~3000	-45.88	-13	PASS
Band V	4182	3000~10000	-57.84	-13	PASS
Band V	4182	10000~18000	-53.27	-13	PASS
Band V	4233	0.009~0.15	-73.08	-33	PASS
Band V	4233	0.15~30	-50.00	-13	PASS
Band V	4233	30~1000	-40.08	-13	PASS
Band V	4233	1000~3000	-45.91	-13	PASS
Band V	4233	3000~10000	-57.75	-13	PASS
Band V	4233	10000~18000	-53.42	-13	PASS

HSDPA:

Band	Channel	SubTest	Frequency Range(Mhz)	Value(dBm)	Limit(dBm)	Verdict
Band V	4132	HSDPA_Sub1	0.009~0.15	-73.77	-33	PASS
Band V	4132	HSDPA_Sub2	0.009~0.15	-75.23	-33	PASS
Band V	4132	HSDPA_Sub3	0.009~0.15	-71.86	-33	PASS
Band V	4132	HSDPA_Sub4	0.009~0.15	-72.81	-33	PASS
Band V	4132	HSDPA_Sub1	0.15~30	-52.34	-13	PASS
Band V	4132	HSDPA_Sub2	0.15~30	-43.31	-13	PASS
Band V	4132	HSDPA_Sub3	0.15~30	-44.79	-13	PASS
Band V	4132	HSDPA_Sub4	0.15~30	-43.45	-13	PASS
Band V	4132	HSDPA_Sub1	30~1000	-39.83	-13	PASS
Band V	4132	HSDPA_Sub2	30~1000	-40.84	-13	PASS
Band V	4132	HSDPA_Sub3	30~1000	-39.35	-13	PASS
Band V	4132	HSDPA_Sub4	30~1000	-40.05	-13	PASS
Band V	4132	HSDPA_Sub1	1000~3000	-46.01	-13	PASS
Band V	4132	HSDPA_Sub2	1000~3000	-45.94	-13	PASS
Band V	4132	HSDPA_Sub3	1000~3000	-45.83	-13	PASS
Band V	4132	HSDPA_Sub4	1000~3000	-45.92	-13	PASS
Band V	4132	HSDPA_Sub1	3000~10000	-57.84	-13	PASS
Band V	4132	HSDPA_Sub2	3000~10000	-57.55	-13	PASS
Band V	4132	HSDPA_Sub3	3000~10000	-57.77	-13	PASS
Band V	4132	HSDPA_Sub4	3000~10000	-57.78	-13	PASS

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Band V	4132	HSDPA_Sub1	10000~18000	-53.33	-13	PASS
Band V	4132	HSDPA_Sub2	10000~18000	-53.45	-13	PASS
Band V	4132	HSDPA_Sub3	10000~18000	-53.43	-13	PASS
Band V	4132	HSDPA_Sub4	10000~18000	-53.50	-13	PASS
Band V	4182	HSDPA_Sub1	0.009~0.15	-72.57	-33	PASS
Band V	4182	HSDPA_Sub2	0.009~0.15	-75.73	-33	PASS
Band V	4182	HSDPA_Sub3	0.009~0.15	-74.74	-33	PASS
Band V	4182	HSDPA_Sub4	0.009~0.15	-73.60	-33	PASS
Band V	4182	HSDPA_Sub1	0.15~30	-42.73	-13	PASS
Band V	4182	HSDPA_Sub2	0.15~30	-52.61	-13	PASS
Band V	4182	HSDPA_Sub3	0.15~30	-42.38	-13	PASS
Band V	4182	HSDPA_Sub4	0.15~30	-45.09	-13	PASS
Band V	4182	HSDPA_Sub1	30~1000	-39.14	-13	PASS
Band V	4182	HSDPA_Sub2	30~1000	-40.06	-13	PASS
Band V	4182	HSDPA_Sub3	30~1000	-40.01	-13	PASS
Band V	4182	HSDPA_Sub4	30~1000	-39.40	-13	PASS
Band V	4182	HSDPA_Sub1	1000~3000	-45.86	-13	PASS
Band V	4182	HSDPA_Sub2	1000~3000	-45.91	-13	PASS
Band V	4182	HSDPA_Sub3	1000~3000	-45.93	-13	PASS
Band V	4182	HSDPA_Sub4	1000~3000	-45.95	-13	PASS
Band V	4182	HSDPA_Sub1	3000~10000	-57.79	-13	PASS
Band V	4182	HSDPA_Sub2	3000~10000	-57.69	-13	PASS
Band V	4182	HSDPA_Sub3	3000~10000	-57.82	-13	PASS
Band V	4182	HSDPA_Sub4	3000~10000	-57.76	-13	PASS
Band V	4182	HSDPA_Sub1	10000~18000	-53.40	-13	PASS
Band V	4182	HSDPA_Sub2	10000~18000	-53.48	-13	PASS
Band V	4182	HSDPA_Sub3	10000~18000	-53.51	-13	PASS
Band V	4182	HSDPA_Sub4	10000~18000	-53.45	-13	PASS
Band V	4233	HSDPA_Sub1	0.009~0.15	-74.23	-33	PASS
Band V	4233	HSDPA_Sub2	0.009~0.15	-72.19	-33	PASS
Band V	4233	HSDPA_Sub3	0.009~0.15	-75.43	-33	PASS
Band V	4233	HSDPA_Sub4	0.009~0.15	-74.70	-33	PASS
Band V	4233	HSDPA_Sub1	0.15~30	-43.22	-13	PASS
Band V	4233	HSDPA_Sub2	0.15~30	-44.04	-13	PASS
Band V	4233	HSDPA_Sub3	0.15~30	-43.62	-13	PASS
Band V	4233	HSDPA_Sub4	0.15~30	-51.09	-13	PASS
Band V	4233	HSDPA_Sub1	30~1000	-41.02	-13	PASS
Band V	4233	HSDPA_Sub2	30~1000	-39.88	-13	PASS
Band V	4233	HSDPA_Sub3	30~1000	-38.79	-13	PASS
Band V	4233	HSDPA_Sub4	30~1000	-40.30	-13	PASS

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Band V	4233	HSDPA_Sub1	1000~3000	-45.93	-13	PASS
Band V	4233	HSDPA_Sub2	1000~3000	-45.90	-13	PASS
Band V	4233	HSDPA_Sub3	1000~3000	-45.99	-13	PASS
Band V	4233	HSDPA_Sub4	1000~3000	-45.98	-13	PASS
Band V	4233	HSDPA_Sub1	3000~10000	-57.65	-13	PASS
Band V	4233	HSDPA_Sub2	3000~10000	-57.76	-13	PASS
Band V	4233	HSDPA_Sub3	3000~10000	-57.69	-13	PASS
Band V	4233	HSDPA_Sub4	3000~10000	-57.68	-13	PASS
Band V	4233	HSDPA_Sub1	10000~18000	-53.41	-13	PASS
Band V	4233	HSDPA_Sub2	10000~18000	-53.32	-13	PASS
Band V	4233	HSDPA_Sub3	10000~18000	-53.34	-13	PASS
Band V	4233	HSDPA_Sub4	10000~18000	-53.31	-13	PASS

HSUPA:

Band	Channel	SubTest	Frequency Range(Mhz)	Value(dBm)	Limit(dBm)	Verdict
Band V	4132	HSUPA_Sub1	0.009~0.15	-73.67	-33	PASS
Band V	4132	HSUPA_Sub2	0.009~0.15	-74.30	-33	PASS
Band V	4132	HSUPA_Sub3	0.009~0.15	-72.87	-33	PASS
Band V	4132	HSUPA_Sub4	0.009~0.15	-74.62	-33	PASS
Band V	4132	HSUPA_Sub5	0.009~0.15	-75.66	-33	PASS
Band V	4132	HSUPA_Sub1	0.15~30	-47.81	-13	PASS
Band V	4132	HSUPA_Sub2	0.15~30	-50.73	-13	PASS
Band V	4132	HSUPA_Sub3	0.15~30	-42.06	-13	PASS
Band V	4132	HSUPA_Sub4	0.15~30	-43.03	-13	PASS
Band V	4132	HSUPA_Sub5	0.15~30	-43.38	-13	PASS
Band V	4132	HSUPA_Sub1	30~1000	-39.40	-13	PASS
Band V	4132	HSUPA_Sub2	30~1000	-39.95	-13	PASS
Band V	4132	HSUPA_Sub3	30~1000	-39.95	-13	PASS
Band V	4132	HSUPA_Sub4	30~1000	-39.97	-13	PASS
Band V	4132	HSUPA_Sub5	30~1000	-38.84	-13	PASS
Band V	4132	HSUPA_Sub1	1000~3000	-45.81	-13	PASS
Band V	4132	HSUPA_Sub2	1000~3000	-45.81	-13	PASS
Band V	4132	HSUPA_Sub3	1000~3000	-45.51	-13	PASS
Band V	4132	HSUPA_Sub4	1000~3000	-45.93	-13	PASS
Band V	4132	HSUPA_Sub5	1000~3000	-45.62	-13	PASS
Band V	4132	HSUPA_Sub1	3000~10000	-57.75	-13	PASS
Band V	4132	HSUPA_Sub2	3000~10000	-57.82	-13	PASS
Band V	4132	HSUPA_Sub3	3000~10000	-57.62	-13	PASS
Band V	4132	HSUPA_Sub4	3000~10000	-57.62	-13	PASS
Band V	4132	HSUPA_Sub5	3000~10000	-57.82	-13	PASS

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Band V	4132	HSUPA_Sub1	10000~18000	-53.43	-13	PASS
Band V	4132	HSUPA_Sub2	10000~18000	-53.48	-13	PASS
Band V	4132	HSUPA_Sub3	10000~18000	-53.35	-13	PASS
Band V	4132	HSUPA_Sub4	10000~18000	-53.22	-13	PASS
Band V	4132	HSUPA_Sub5	10000~18000	-53.47	-13	PASS
Band V	4182	HSUPA_Sub1	0.009~0.15	-73.00	-33	PASS
Band V	4182	HSUPA_Sub2	0.009~0.15	-73.59	-33	PASS
Band V	4182	HSUPA_Sub3	0.009~0.15	-72.83	-33	PASS
Band V	4182	HSUPA_Sub4	0.009~0.15	-75.55	-33	PASS
Band V	4182	HSUPA_Sub5	0.009~0.15	-74.17	-33	PASS
Band V	4182	HSUPA_Sub1	0.15~30	-42.98	-13	PASS
Band V	4182	HSUPA_Sub2	0.15~30	-47.98	-13	PASS
Band V	4182	HSUPA_Sub3	0.15~30	-52.55	-13	PASS
Band V	4182	HSUPA_Sub4	0.15~30	-42.24	-13	PASS
Band V	4182	HSUPA_Sub5	0.15~30	-44.26	-13	PASS
Band V	4182	HSUPA_Sub1	30~1000	-39.35	-13	PASS
Band V	4182	HSUPA_Sub2	30~1000	-41.01	-13	PASS
Band V	4182	HSUPA_Sub3	30~1000	-39.87	-13	PASS
Band V	4182	HSUPA_Sub4	30~1000	-37.19	-13	PASS
Band V	4182	HSUPA_Sub5	30~1000	-39.27	-13	PASS
Band V	4182	HSUPA_Sub1	1000~3000	-45.99	-13	PASS
Band V	4182	HSUPA_Sub2	1000~3000	-45.95	-13	PASS
Band V	4182	HSUPA_Sub3	1000~3000	-45.95	-13	PASS
Band V	4182	HSUPA_Sub4	1000~3000	-45.96	-13	PASS
Band V	4182	HSUPA_Sub5	1000~3000	-45.81	-13	PASS
Band V	4182	HSUPA_Sub1	3000~10000	-57.70	-13	PASS
Band V	4182	HSUPA_Sub2	3000~10000	-57.79	-13	PASS
Band V	4182	HSUPA_Sub3	3000~10000	-57.72	-13	PASS
Band V	4182	HSUPA_Sub4	3000~10000	-57.68	-13	PASS
Band V	4182	HSUPA_Sub5	3000~10000	-57.53	-13	PASS
Band V	4182	HSUPA_Sub1	10000~18000	-53.37	-13	PASS
Band V	4182	HSUPA_Sub2	10000~18000	-53.43	-13	PASS
Band V	4182	HSUPA_Sub3	10000~18000	-53.43	-13	PASS
Band V	4182	HSUPA_Sub4	10000~18000	-53.35	-13	PASS
Band V	4182	HSUPA_Sub5	10000~18000	-53.34	-13	PASS
Band V	4233	HSUPA_Sub1	0.009~0.15	-75.28	-33	PASS
Band V	4233	HSUPA_Sub2	0.009~0.15	-74.95	-33	PASS
Band V	4233	HSUPA_Sub3	0.009~0.15	-73.36	-33	PASS
Band V	4233	HSUPA_Sub4	0.009~0.15	-75.97	-33	PASS
Band V	4233	HSUPA_Sub5	0.009~0.15	-73.94	-33	PASS

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Band V	4233	HSUPA_Sub2	0.15~30	-42.54	-13	PASS
Band V	4233	HSUPA_Sub3	0.15~30	-43.20	-13	PASS
Band V	4233	HSUPA_Sub4	0.15~30	-43.99	-13	PASS
Band V	4233	HSUPA_Sub5	0.15~30	-47.45	-13	PASS
Band V	4233	HSUPA_Sub1	30~1000	-40.05	-13	PASS
Band V	4233	HSUPA_Sub2	30~1000	-39.52	-13	PASS
Band V	4233	HSUPA_Sub3	30~1000	-40.20	-13	PASS
Band V	4233	HSUPA_Sub4	30~1000	-39.38	-13	PASS
Band V	4233	HSUPA_Sub5	30~1000	-40.08	-13	PASS
Band V	4233	HSUPA_Sub1	1000~3000	-45.91	-13	PASS
Band V	4233	HSUPA_Sub2	1000~3000	-45.77	-13	PASS
Band V	4233	HSUPA_Sub3	1000~3000	-45.91	-13	PASS
Band V	4233	HSUPA_Sub4	1000~3000	-45.97	-13	PASS
Band V	4233	HSUPA_Sub5	1000~3000	-45.76	-13	PASS
Band V	4233	HSUPA_Sub1	3000~10000	-57.82	-13	PASS
Band V	4233	HSUPA_Sub2	3000~10000	-57.72	-13	PASS
Band V	4233	HSUPA_Sub3	3000~10000	-57.83	-13	PASS
Band V	4233	HSUPA_Sub4	3000~10000	-57.68	-13	PASS
Band V	4233	HSUPA_Sub5	3000~10000	-57.72	-13	PASS
Band V	4233	HSUPA_Sub1	10000~18000	-53.43	-13	PASS
Band V	4233	HSUPA_Sub2	10000~18000	-53.35	-13	PASS
Band V	4233	HSUPA_Sub3	10000~18000	-53.26	-13	PASS
Band V	4233	HSUPA_Sub4	10000~18000	-53.39	-13	PASS
Band V	4233	HSUPA_Sub5	10000~18000	-53.47	-13	PASS

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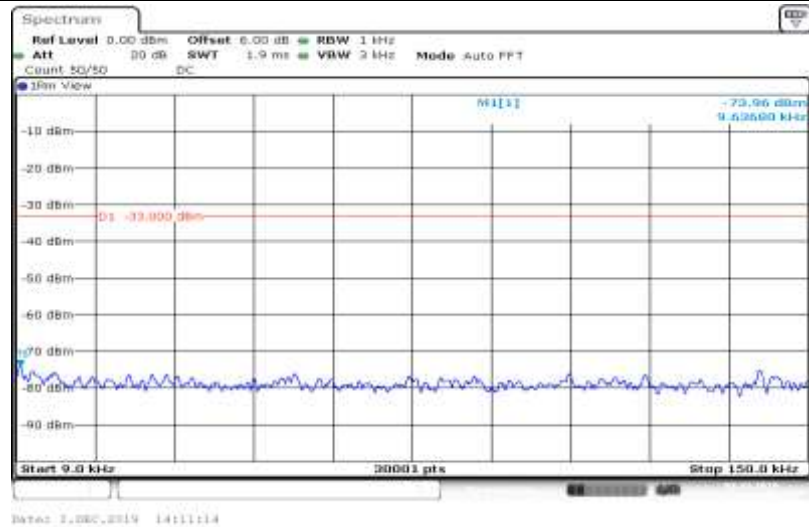
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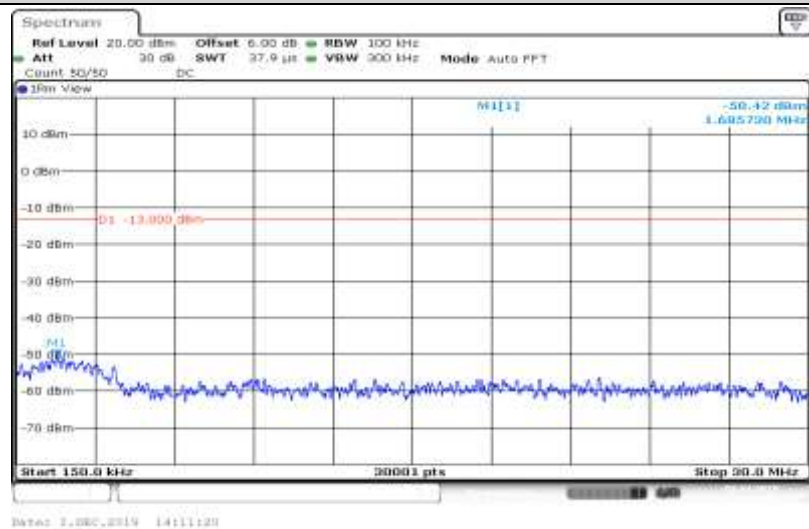
Test Graphs

WCDMA:

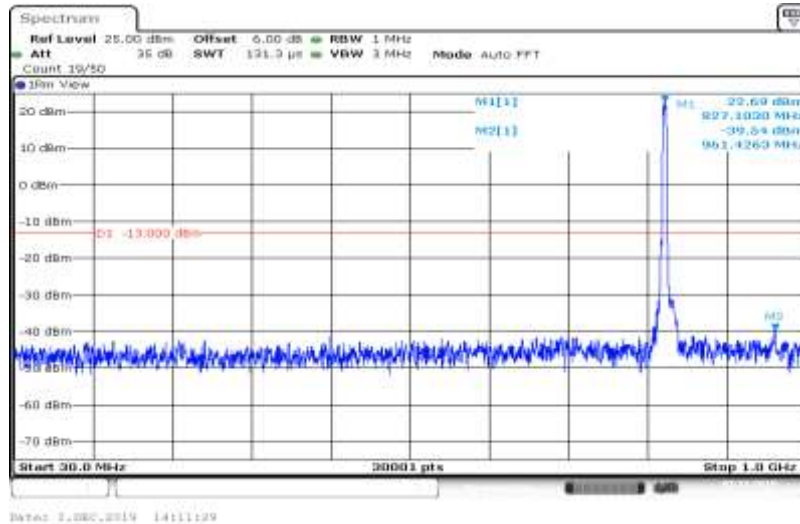
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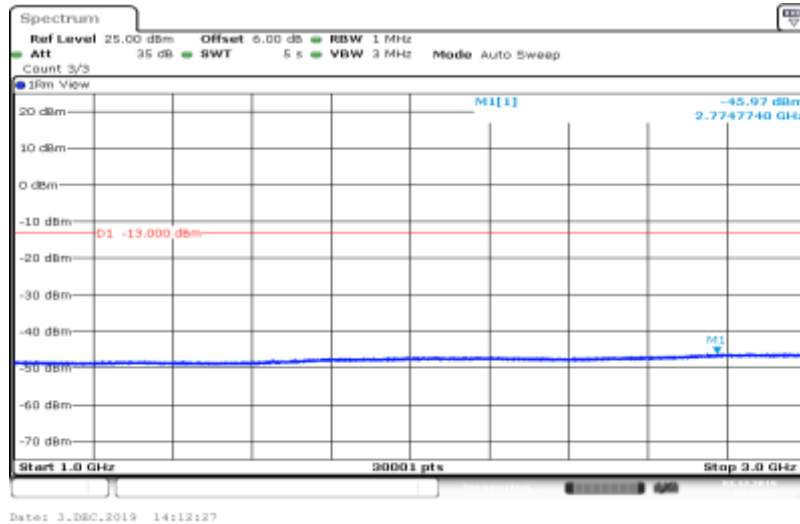
Band V-4132-0.15~30



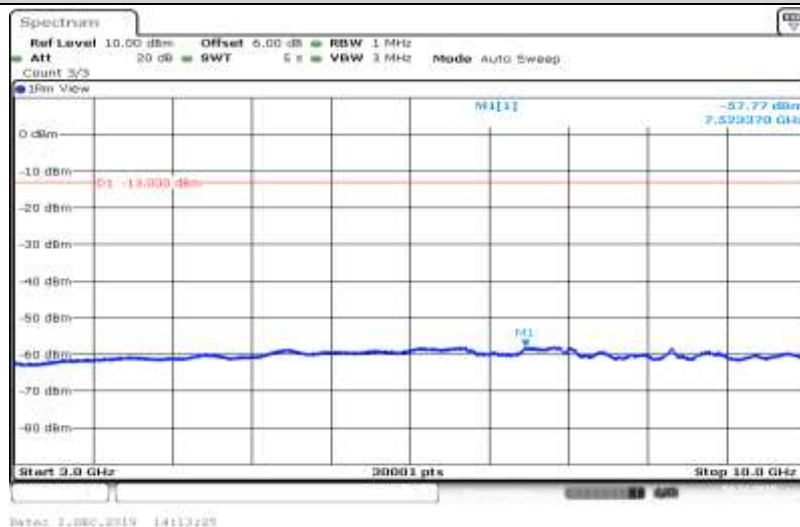
Band V-4132-30~1000



Band V-4132-1000~3000



Band V-4132-3000~10000



Band V-4132-10000~18000

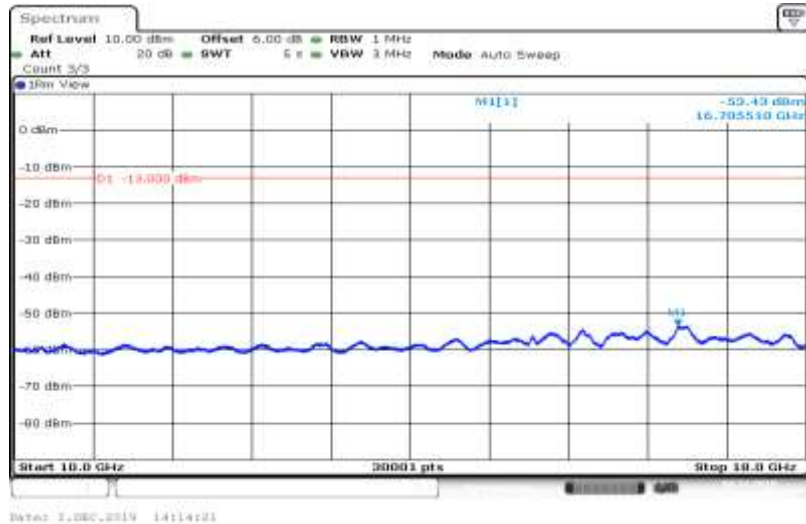
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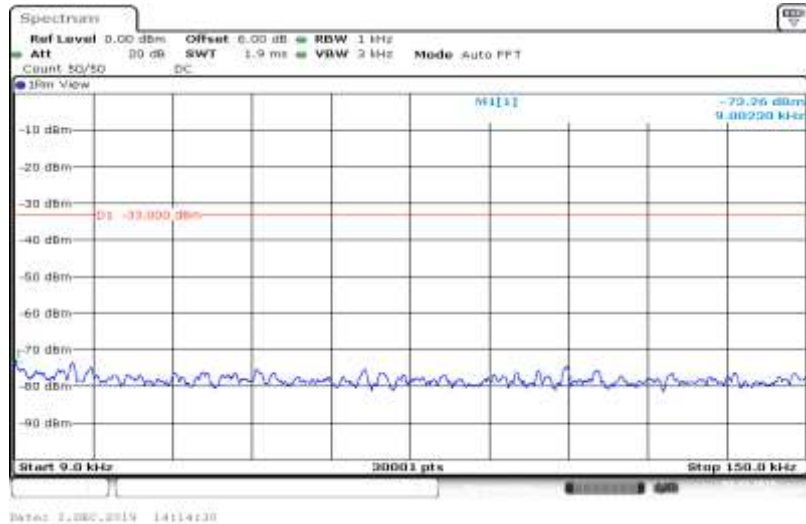
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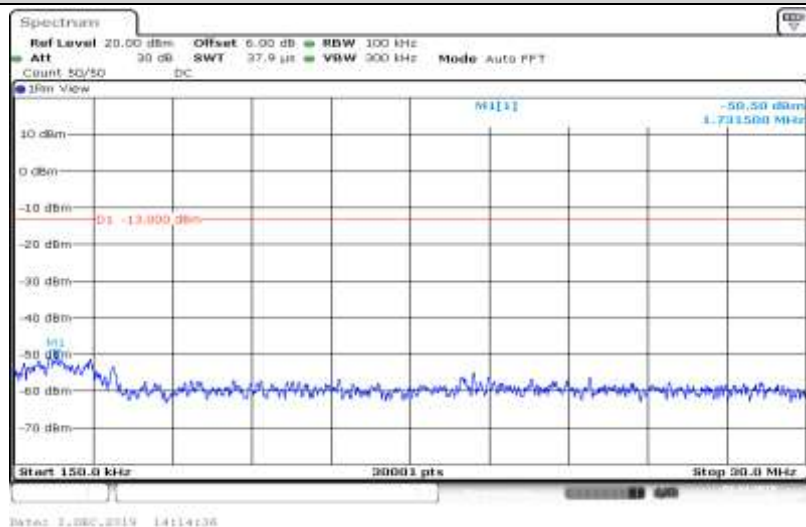
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Band V-4182-0.009~0.15



Band V-4182-0.15~30



Band V-4182-30~1000

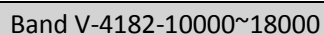
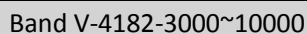
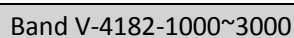
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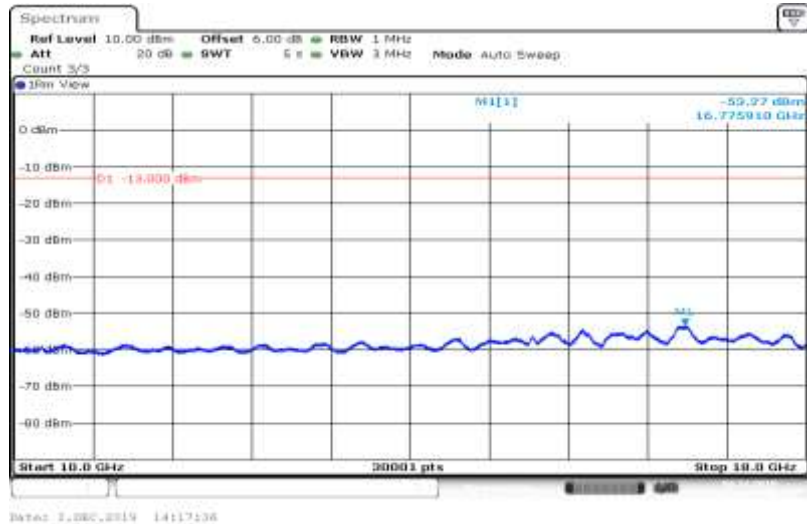
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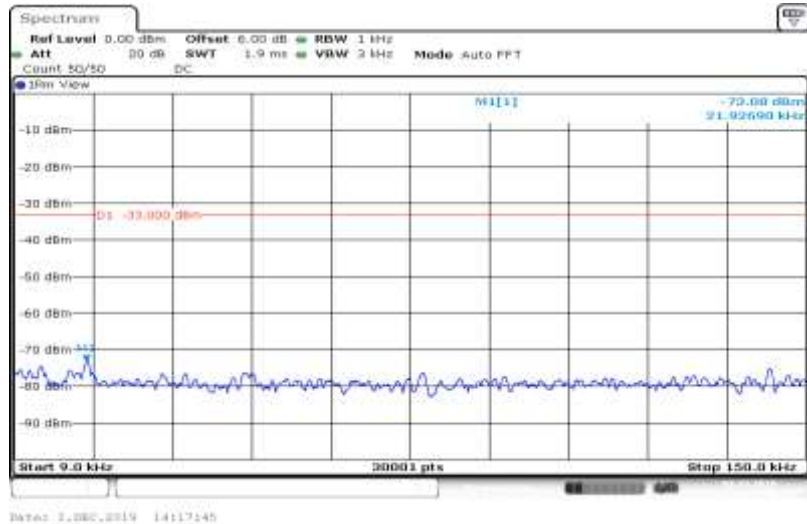
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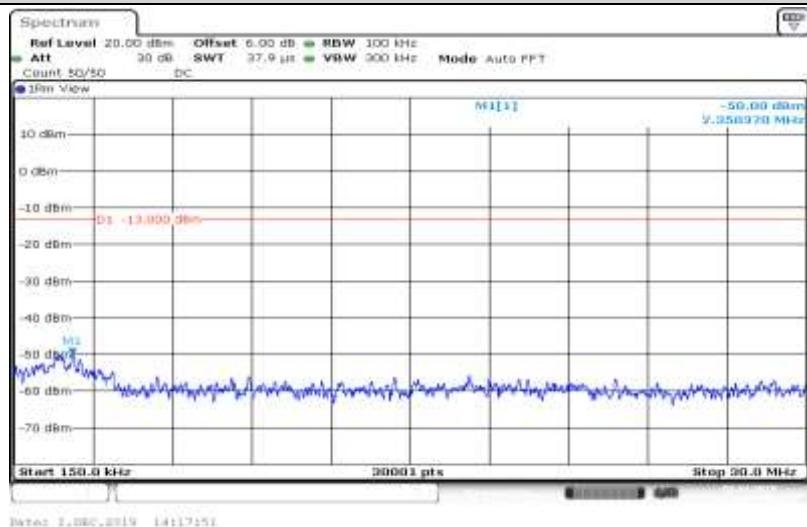
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Band V-4233-0.009~0.15



Band V-4233-0.15~30



Band V-4233-30~1000

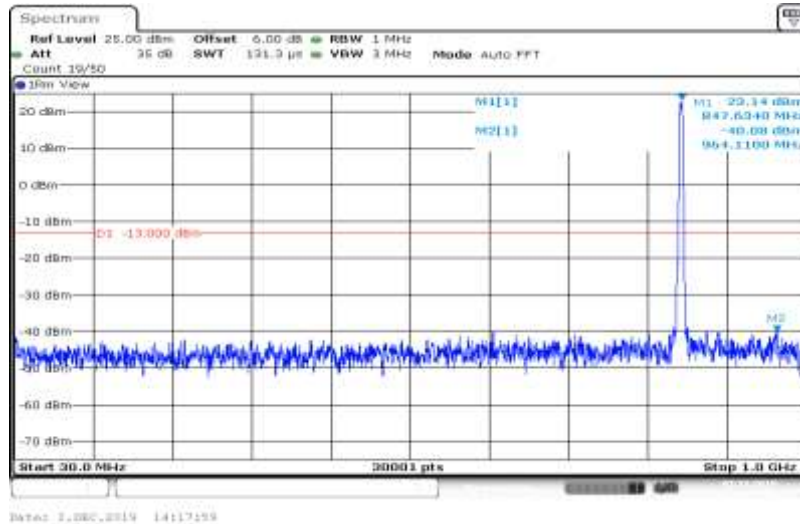
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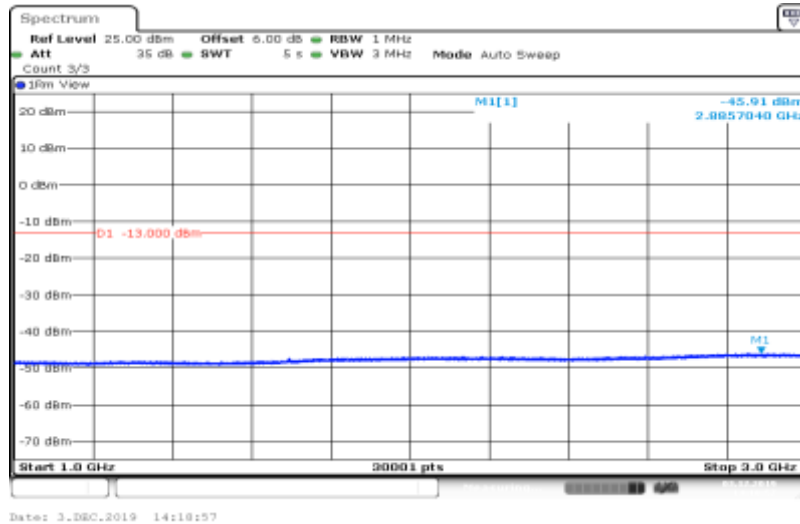
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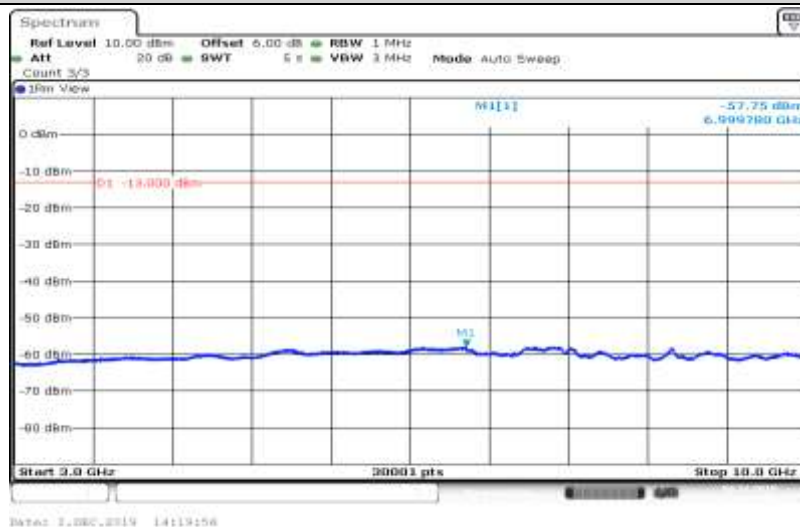
Http://www.sz-ctc.org.cn



Band V-4233-1000~3000



Band V-4233-3000~10000



Band V-4233-10000~18000

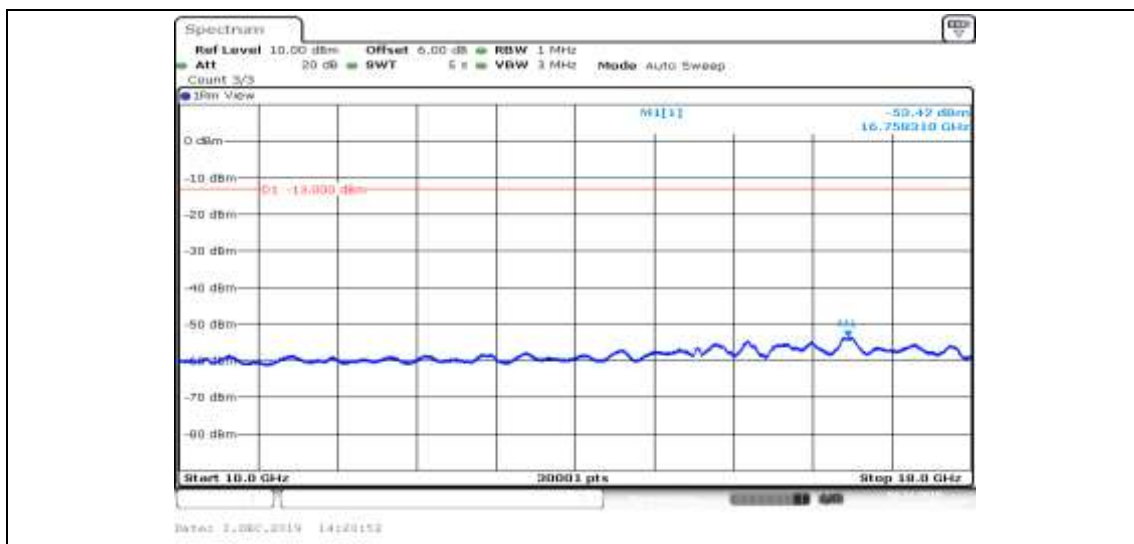
CTC Laboratories, Inc.

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Tel.: (86)755-27521059

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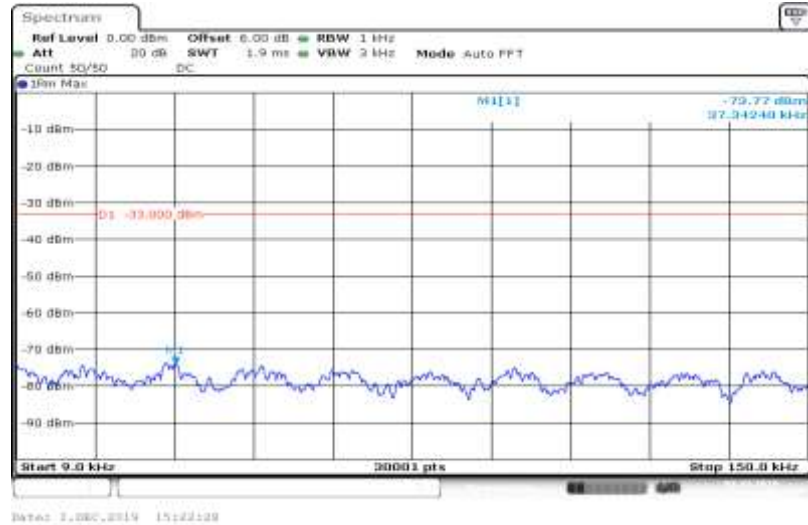
Fax: (86)755-27521011

[Http://www.sz-ctc.org.cn](http://www.sz-ctc.org.cn)

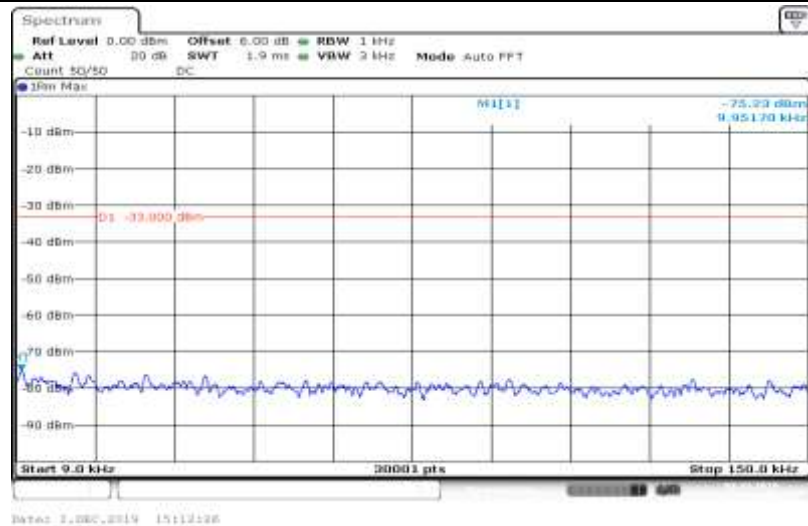
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn

HSDPA:

Band V-4132-HSDPA_Sub1-0.009~0.15



Band V-4132-HSDPA_Sub2-0.009~0.15



Band V-4132-HSDPA_Sub3-0.009~0.15

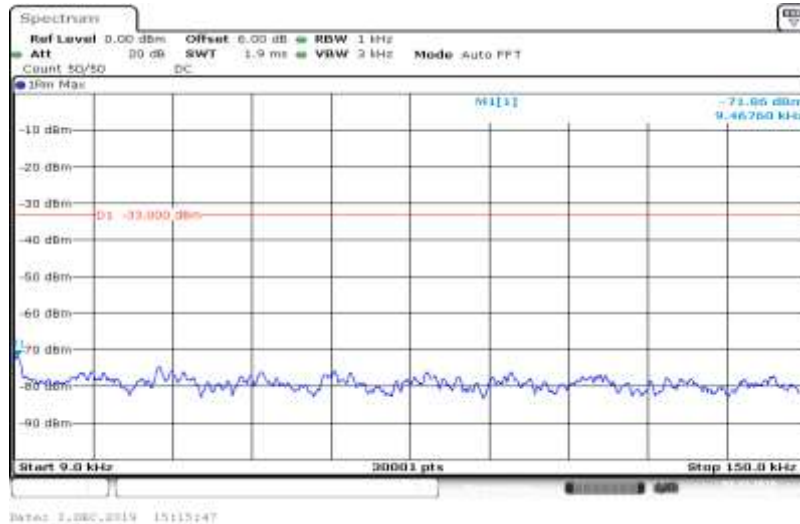
CTC Laboratories, Inc.

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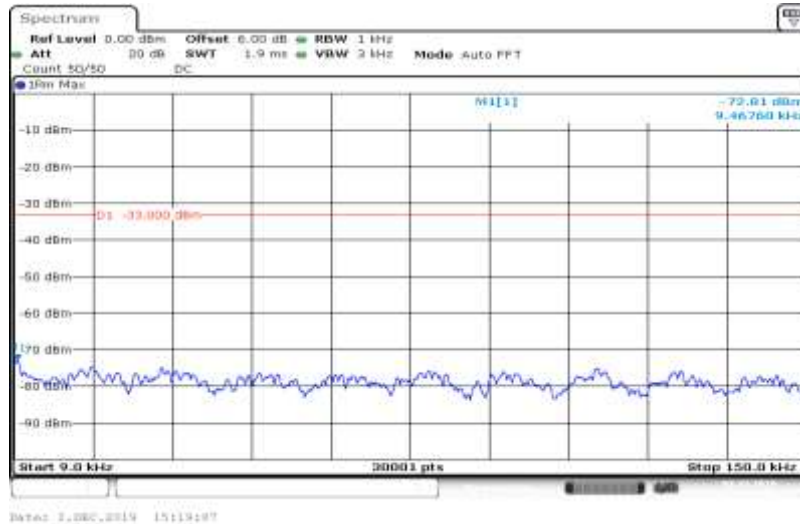
Tel.: (86)755-27521059

Fax: (86)755-27521011

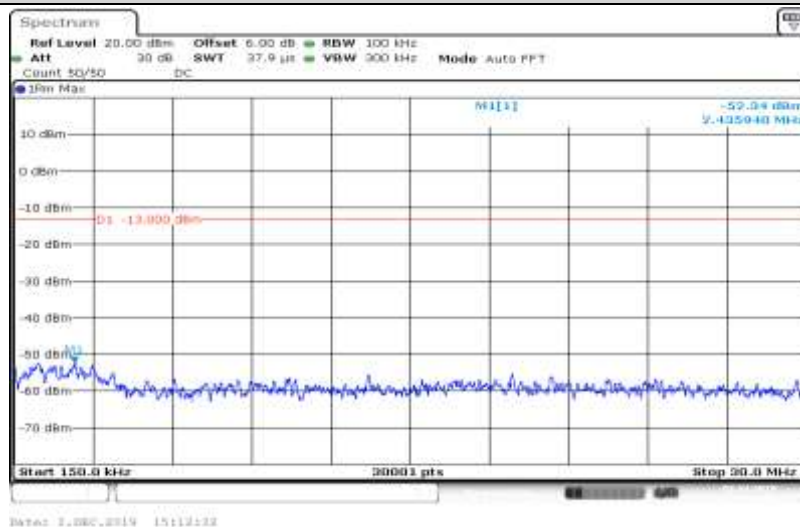
Http://www.sz-ctc.org.cn



Band V-4132-HSDPA_Sub4-0.009~0.15



Band V-4132-HSDPA_Sub1-0.15~30



Band V-4132-HSDPA_Sub2-0.15~30

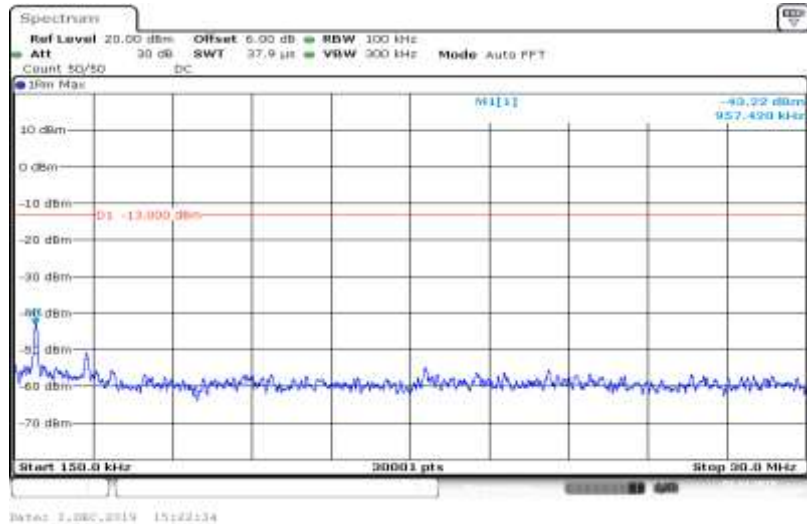
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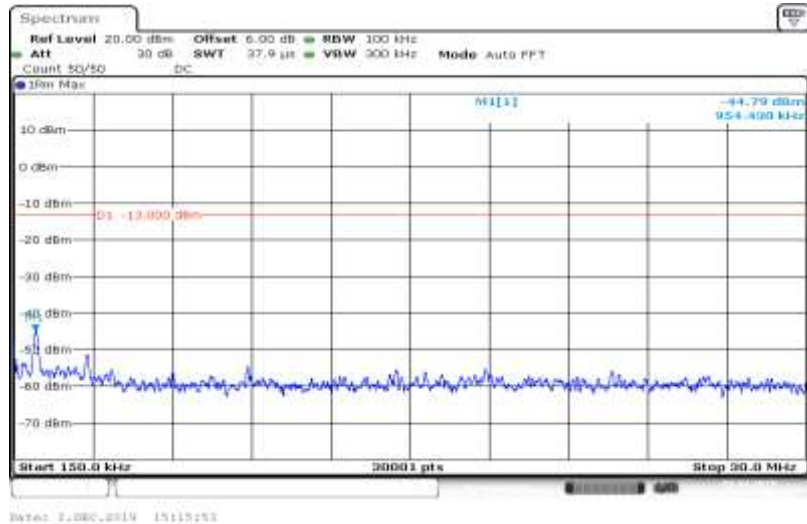
Tel.: (86)755-27521059

Fax: (86)755-27521011

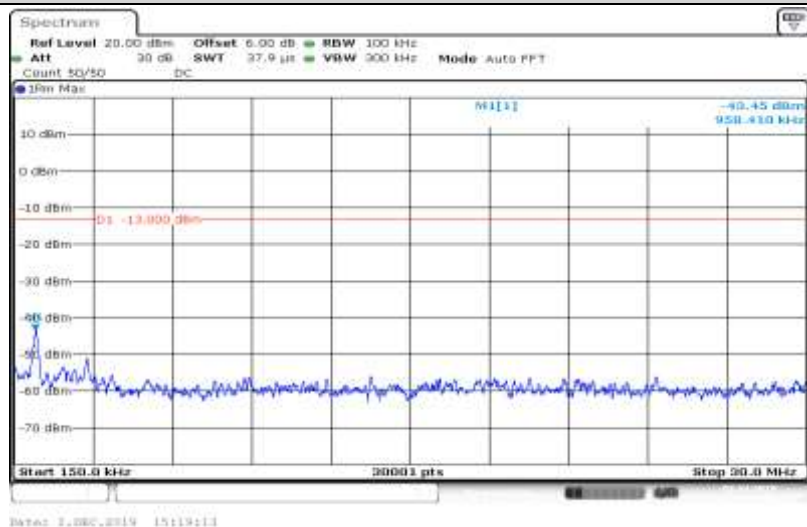
Http://www.sz-ctc.org.cn



Band V-4132-HSDPA_Sub3-0.15~30



Band V-4132-HSDPA_Sub4-0.15~30



Band V-4132-HSDPA_Sub1-30~1000

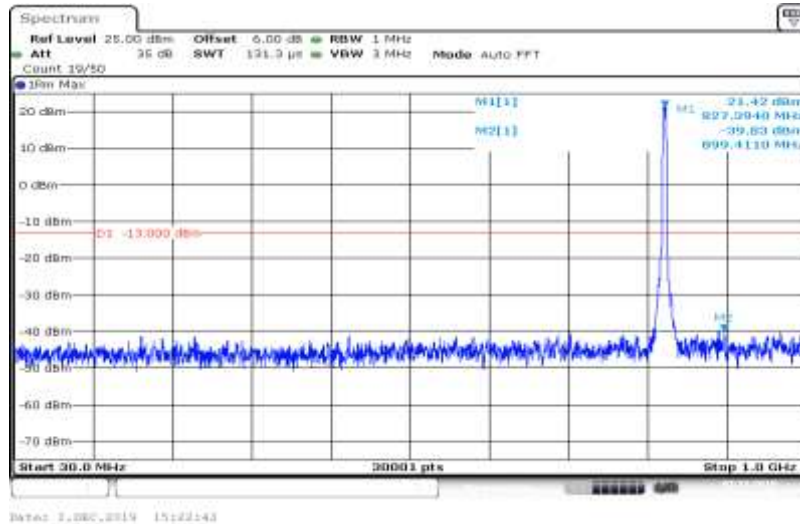
CTC Laboratories, Inc.

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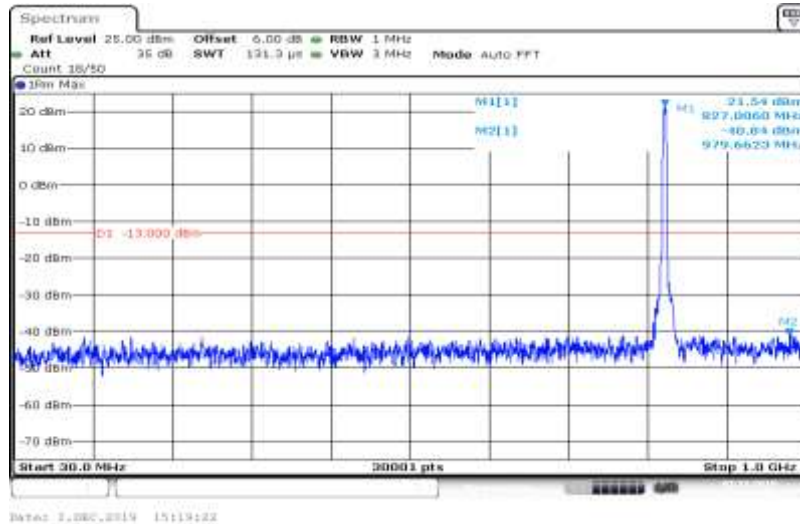
Tel.: (86)755-27521059

Fax: (86)755-27521011

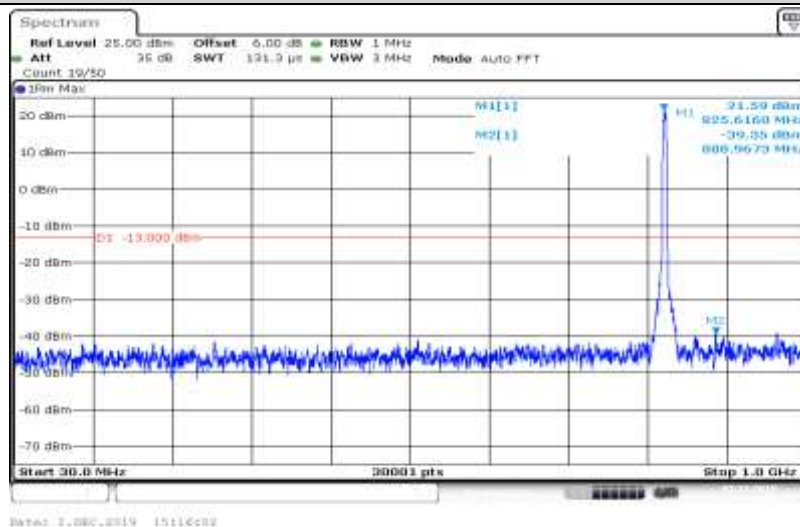
Http://www.sz-ctc.org.cn



Band V-4132-HSDPA_Sub2-30~1000



Band V-4132-HSDPA_Sub3-30~1000



Band V-4132-HSDPA_Sub4-30~1000

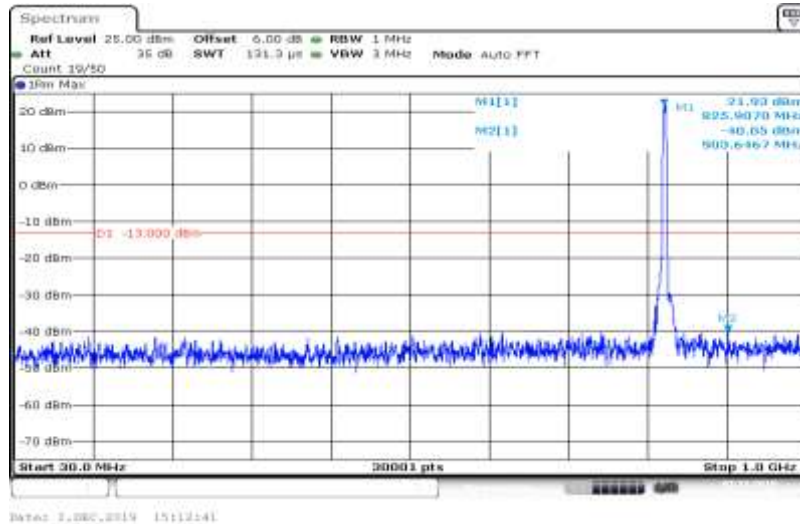
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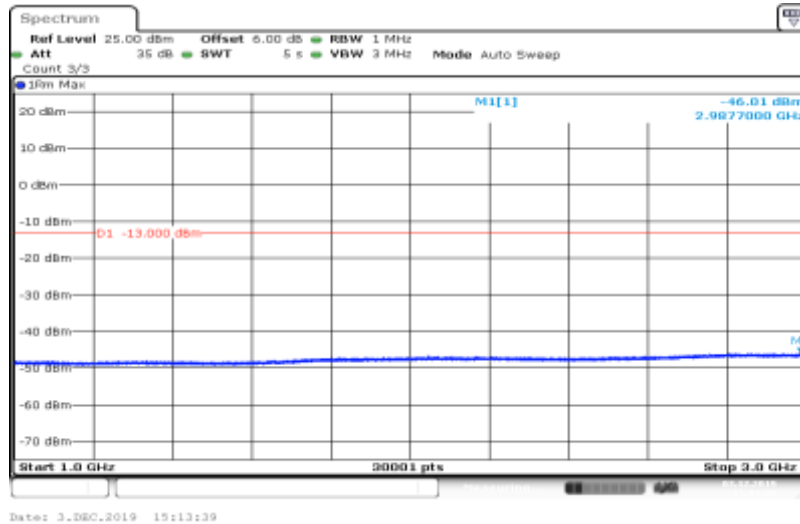
Tel.: (86)755-27521059

Fax: (86)755-27521011

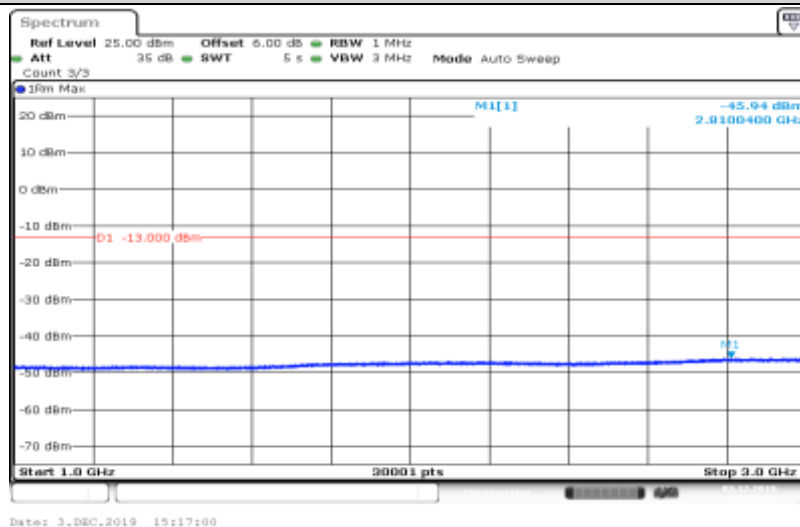
Http://www.sz-ctc.org.cn



Band V-4132-HSDPA_Sub1-1000~3000



Band V-4132-HSDPA_Sub2-1000~3000



Band V-4132-HSDPA_Sub3-1000~3000

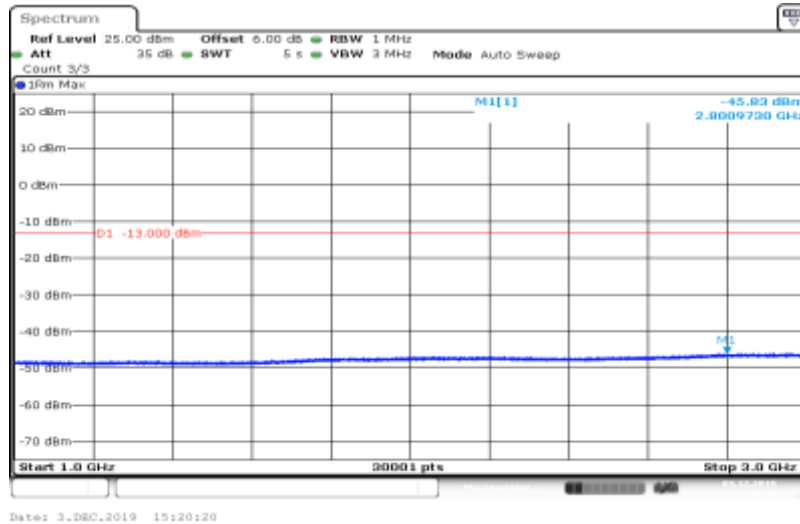
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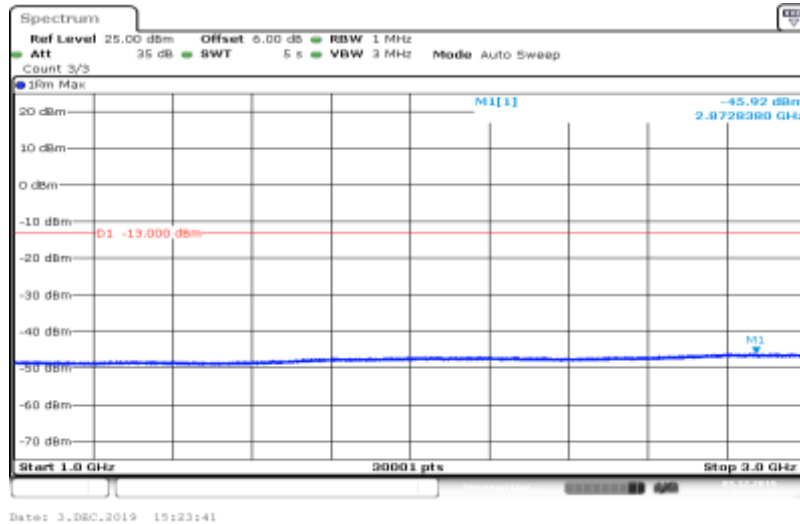
Tel.: (86)755-27521059

Fax: (86)755-27521011

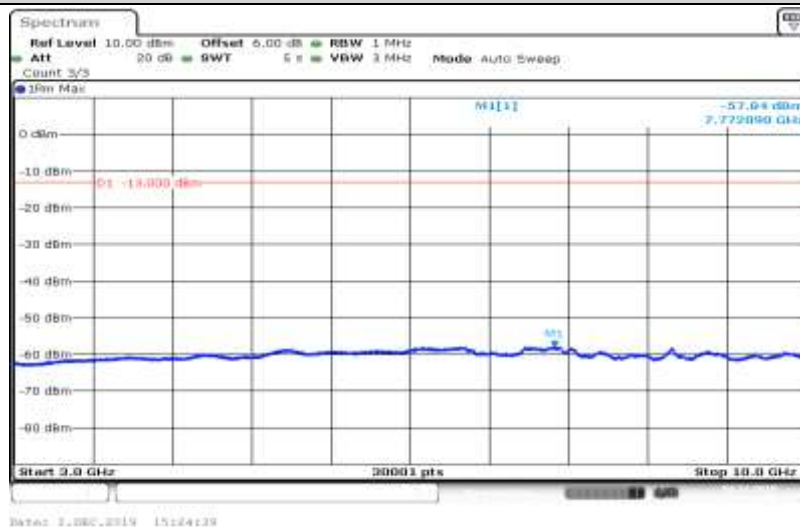
Http://www.sz-ctc.org.cn



Band V-4132-HSDPA_Sub4-1000~3000



Band V-4132-HSDPA_Sub1-3000~10000



Band V-4132-HSDPA_Sub2-3000~10000

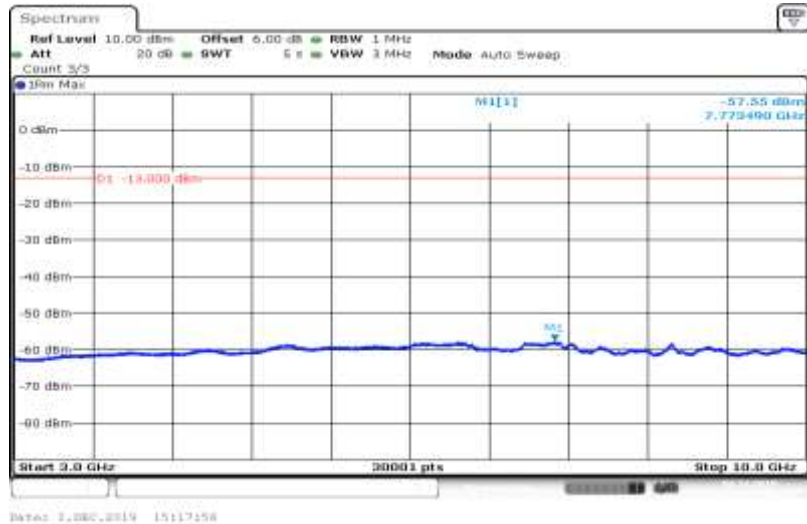
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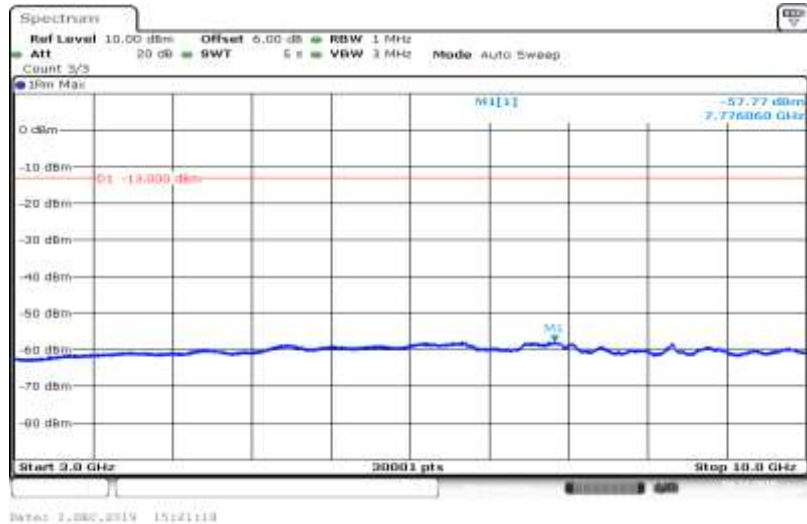
Tel.: (86)755-27521059

Fax: (86)755-27521011

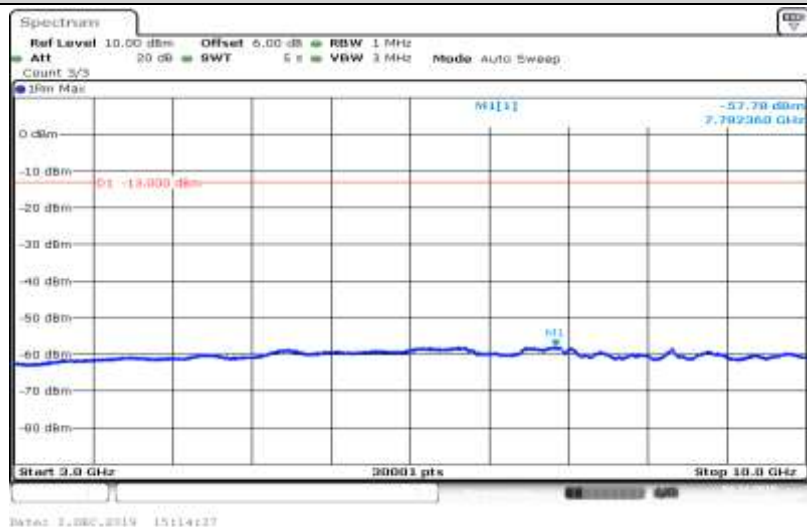
Http://www.sz-ctc.org.cn



Band V-4132-HSDPA_Sub3-3000~10000



Band V-4132-HSDPA_Sub4-3000~10000



Band V-4132-HSDPA_Sub1-10000~18000

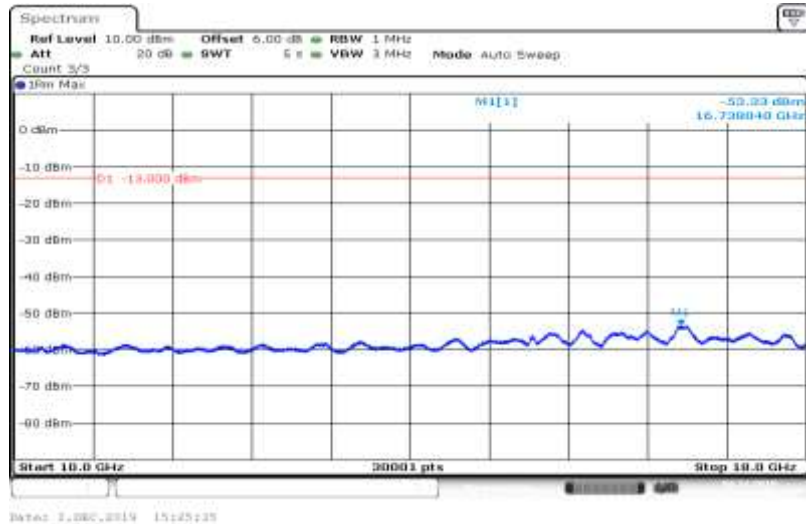
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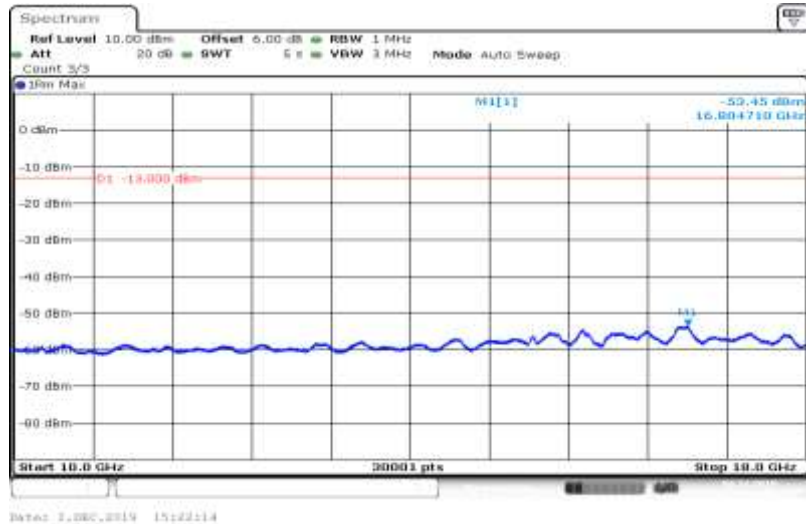
Tel.: (86)755-27521059

Fax: (86)755-27521011

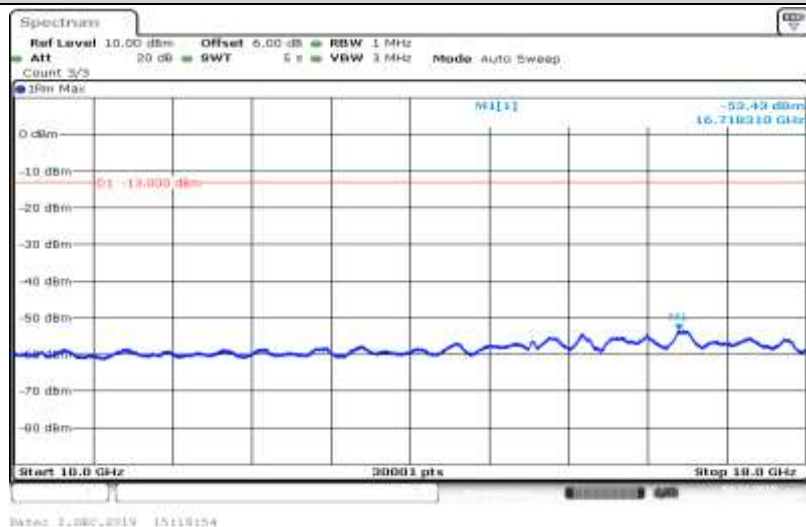
Http://www.sz-ctc.org.cn



Band V-4132-HSDPA_Sub2-10000~18000



Band V-4132-HSDPA_Sub3-10000~18000



Band V-4132-HSDPA_Sub4-10000~18000

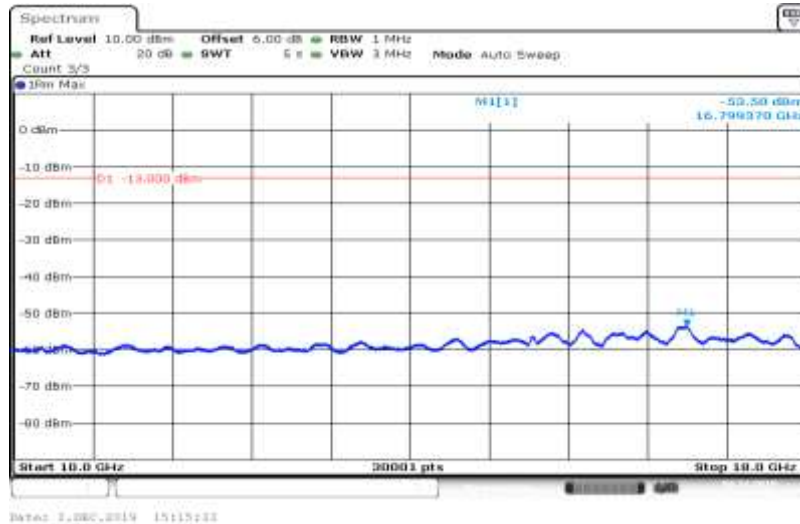
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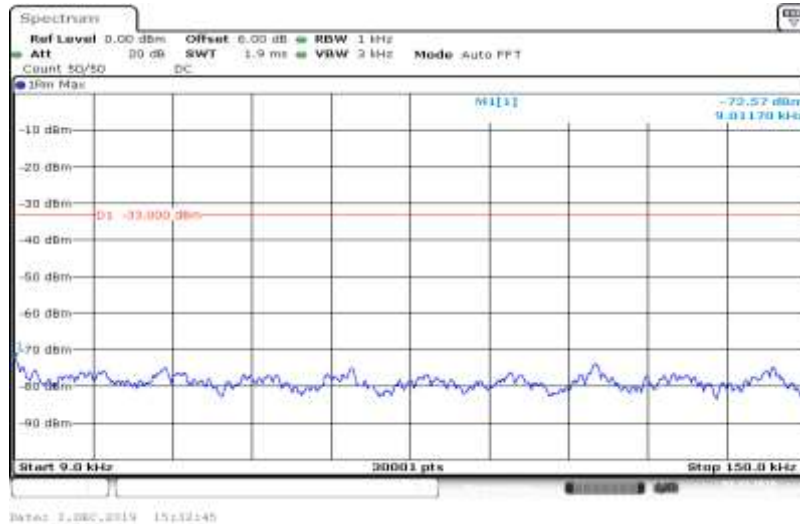
Tel.: (86)755-27521059

Fax: (86)755-27521011

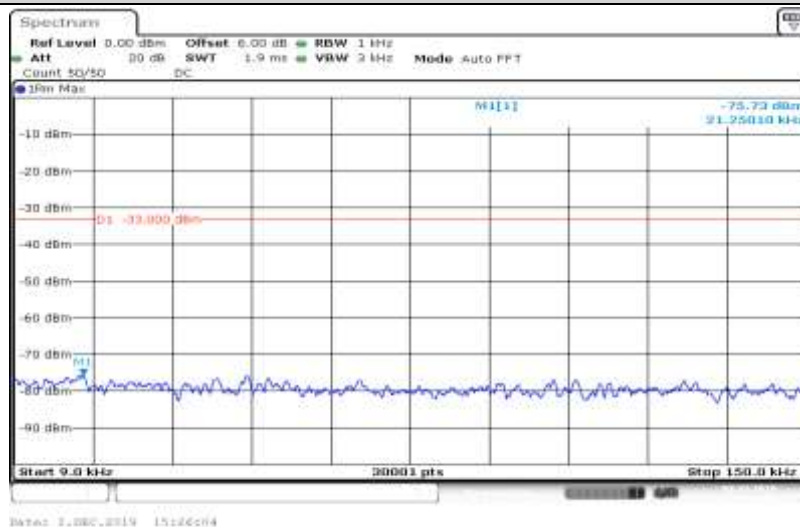
Http://www.sz-ctc.org.cn



Band V-4182-HSDPA_Sub1-0.009~0.15



Band V-4182-HSDPA_Sub2-0.009~0.15



Band V-4182-HSDPA_Sub3-0.009~0.15

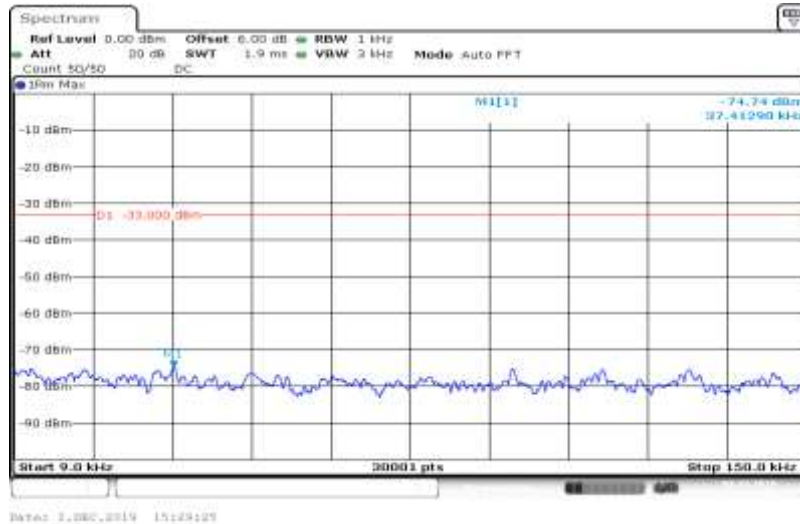
CTC Laboratories, Inc.

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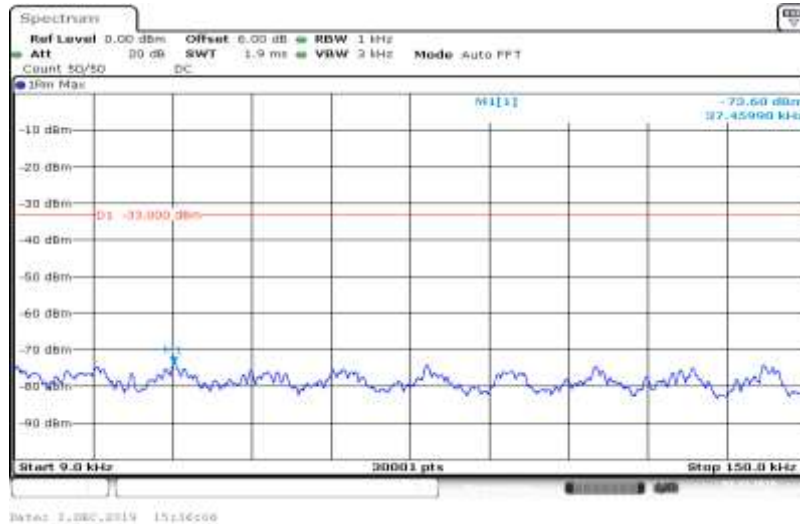
Tel.: (86)755-27521059

Fax: (86)755-27521011

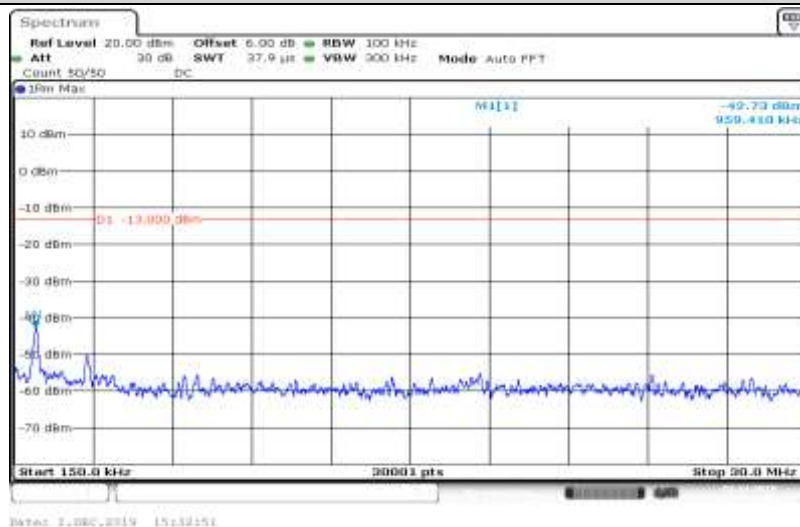
Http://www.sz-ctc.org.cn



Band V-4182-HSDPA_Sub4-0.009~0.15



Band V-4182-HSDPA_Sub1-0.15~30



Band V-4182-HSDPA_Sub2-0.15~30

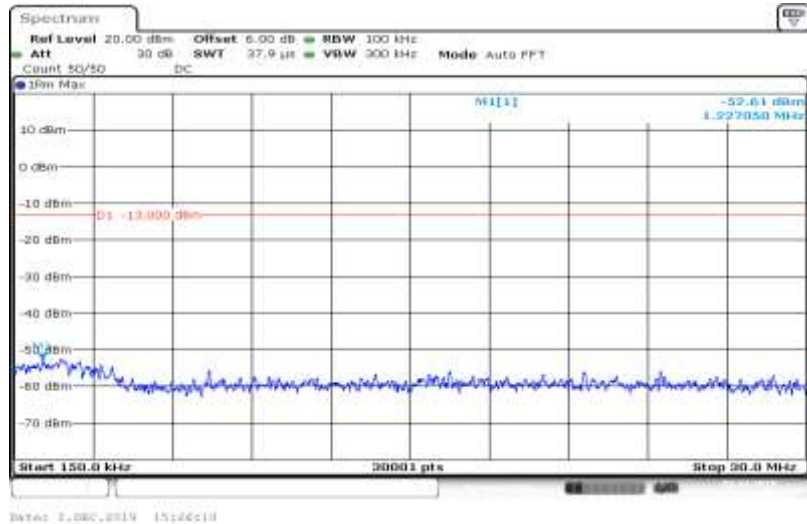
CTC Laboratories, Inc.

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

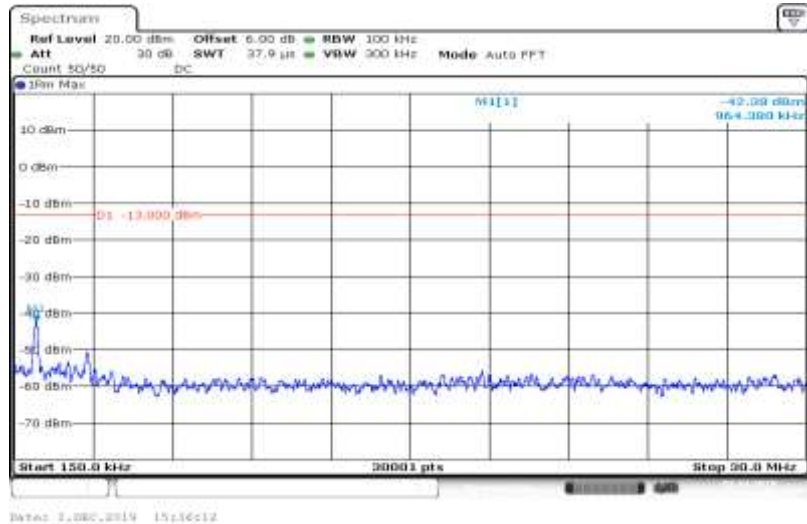
Tel.: (86)755-27521059

Fax: (86)755-27521011

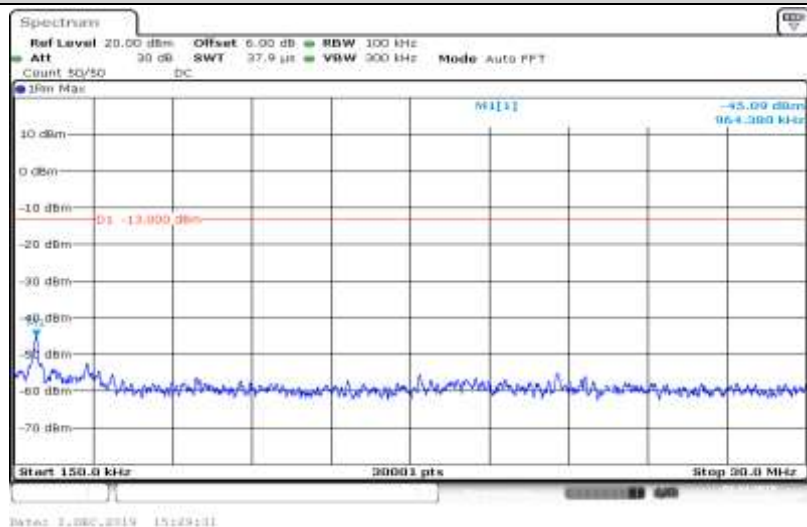
Http://www.sz-ctc.org.cn



Band V-4182-HSDPA_Sub3-0.15~30



Band V-4182-HSDPA_Sub4-0.15~30



Band V-4182-HSDPA_Sub1-30~1000

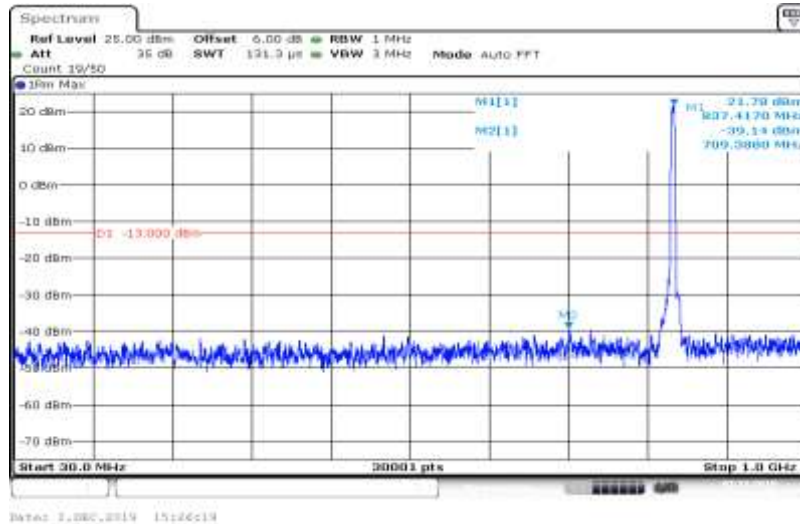
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2/F, Building 1 and 1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

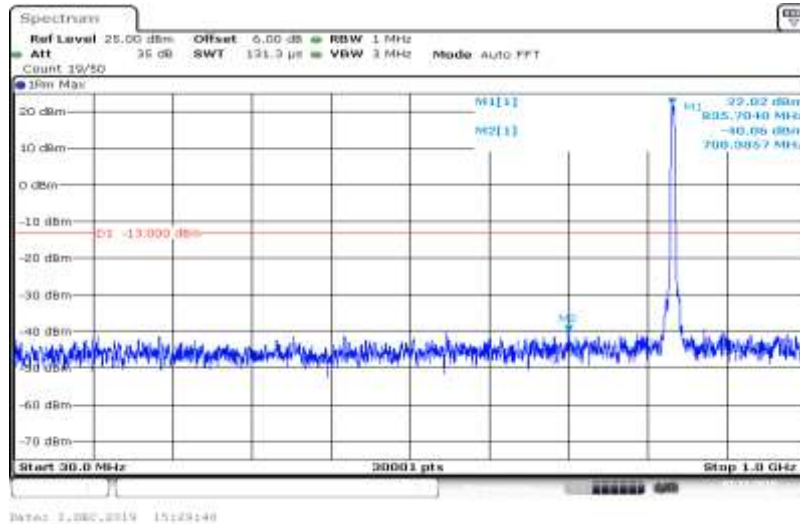
Tel.: (86)755-27521059

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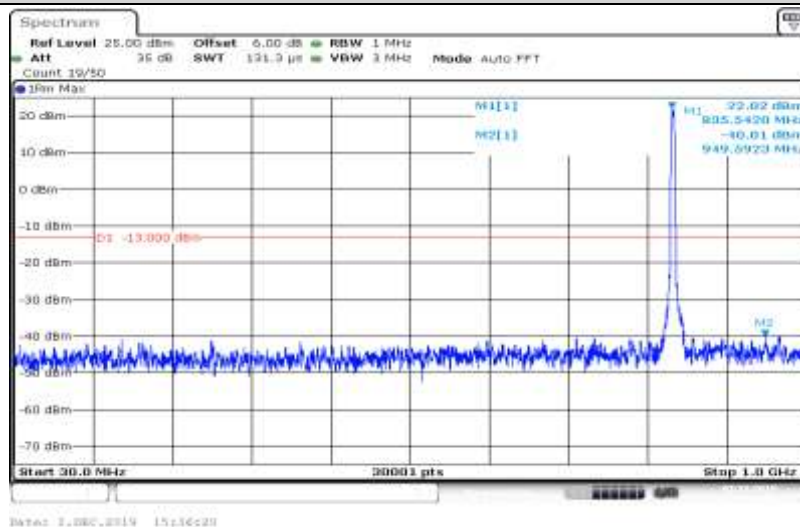
Http://www.sz-ctc.org.cn



Band V-4182-HSDPA_Sub2-30~1000



Band V-4182-HSDPA_Sub3-30~1000



Band V-4182-HSDPA_Sub4-30~1000

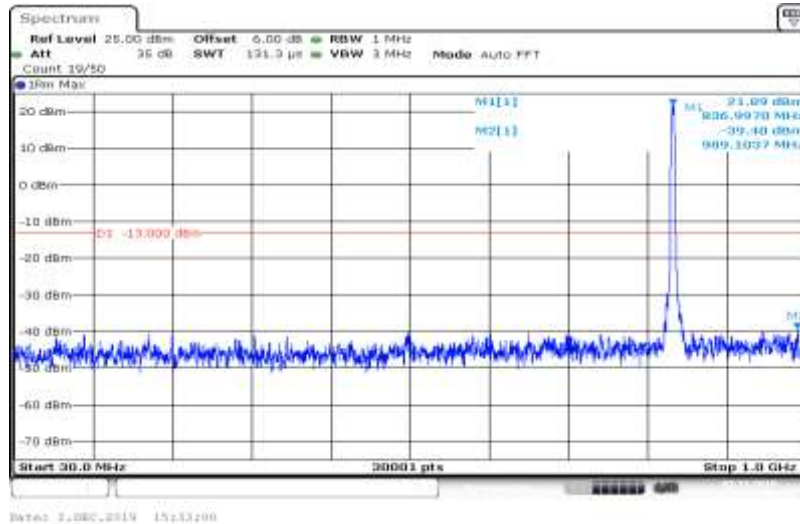
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2/F, Building 1 and 1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

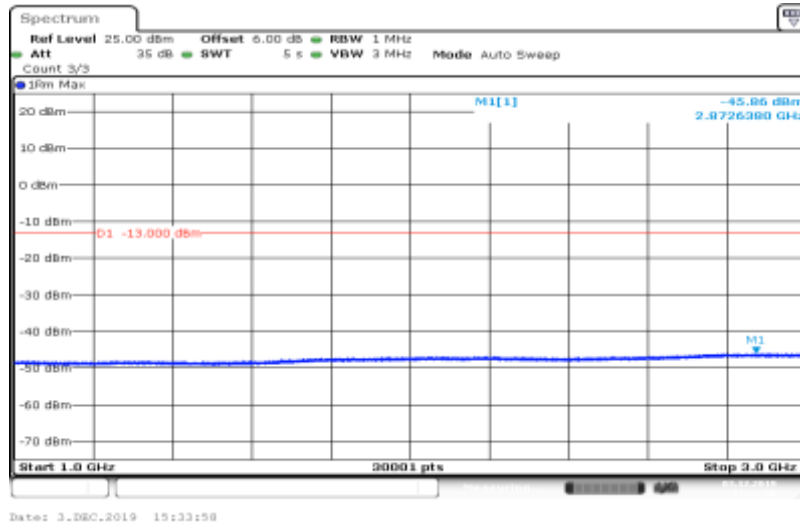
Tel.: (86)755-27521059

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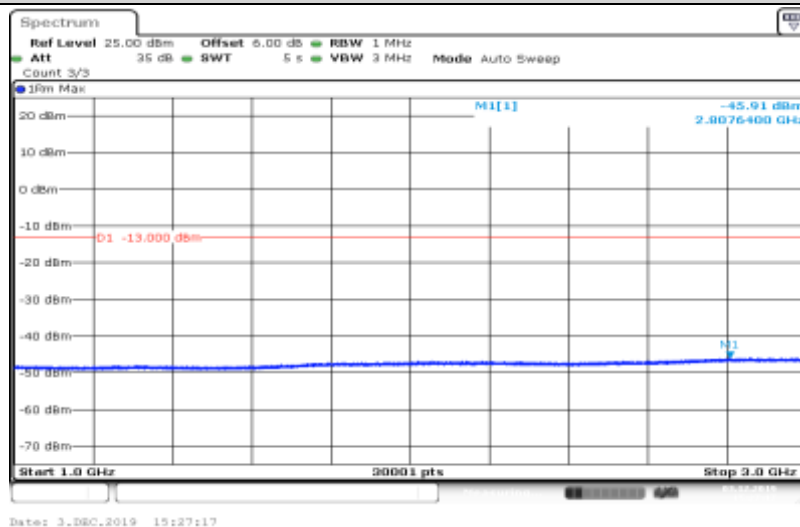
Http://www.sz-ctc.org.cn



Band V-4182-HSDPA_Sub1-1000~3000



Band V-4182-HSDPA_Sub2-1000~3000



Band V-4182-HSDPA_Sub3-1000~3000

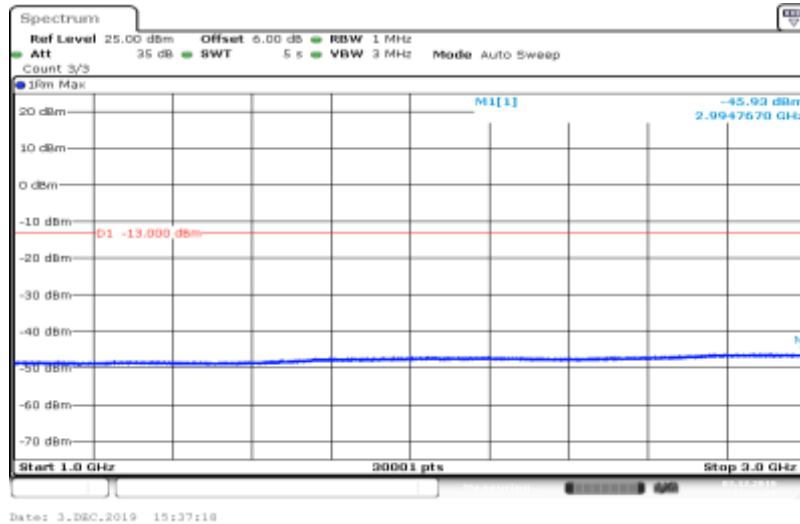
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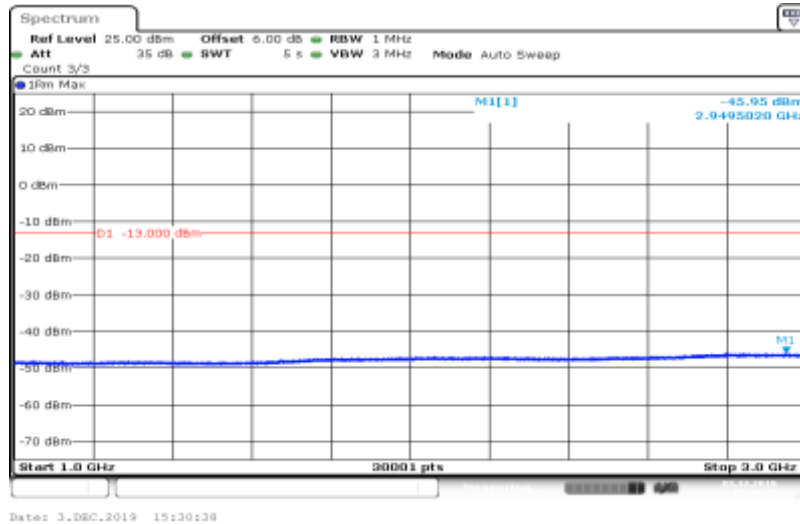
Tel.: (86)755-27521059

Fax: (86)755-27521011

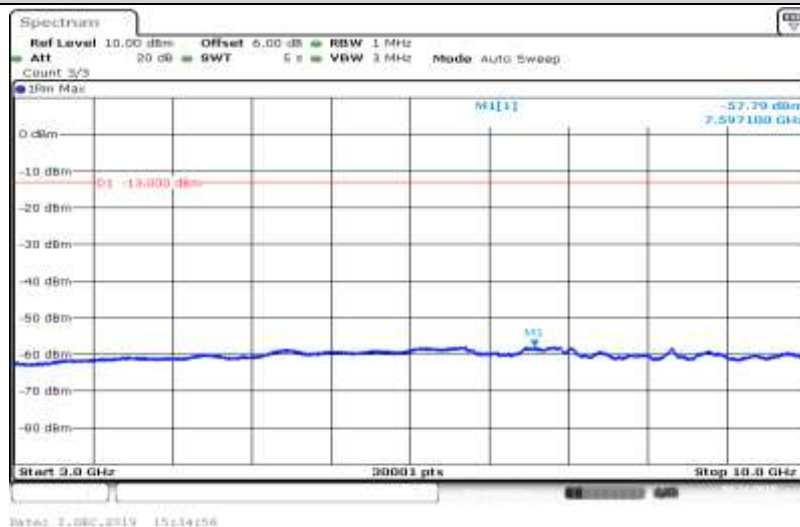
Http://www.sz-ctc.org.cn



Band V-4182-HSDPA_Sub4-1000~3000



Band V-4182-HSDPA_Sub1-3000~10000



Band V-4182-HSDPA_Sub2-3000~10000

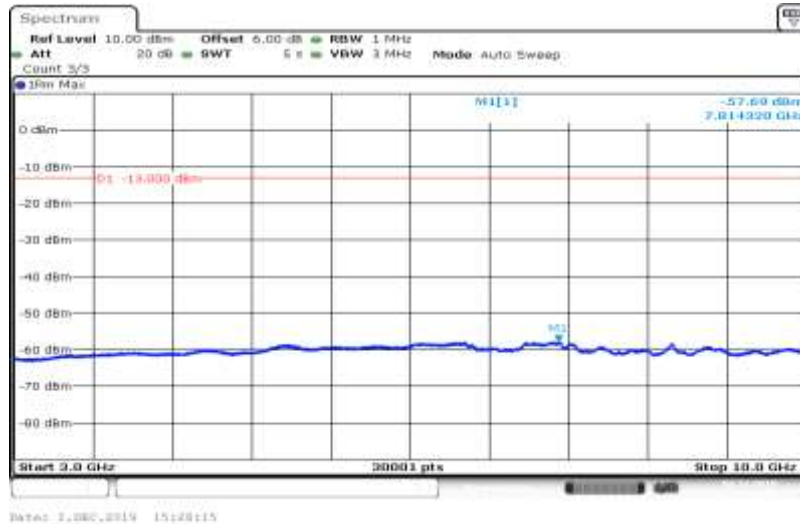
CTC Laboratories, Inc.

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

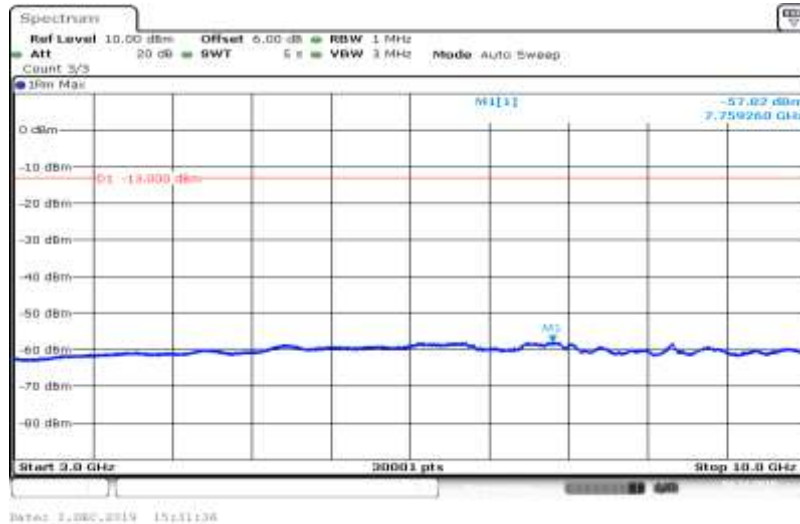
Tel.: (86)755-27521059

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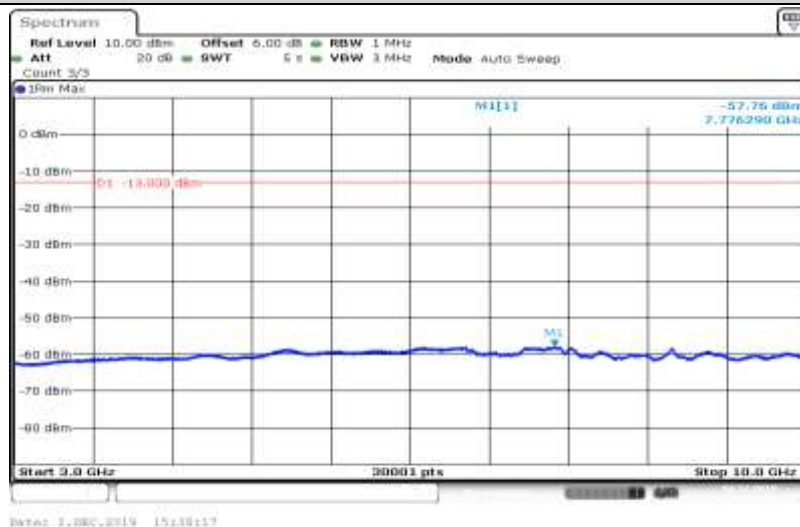
Http://www.sz-ctc.org.cn



Band V-4182-HSDPA_Sub3-3000~10000



Band V-4182-HSDPA_Sub4-3000~10000



Band V-4182-HSDPA_Sub1-10000~18000

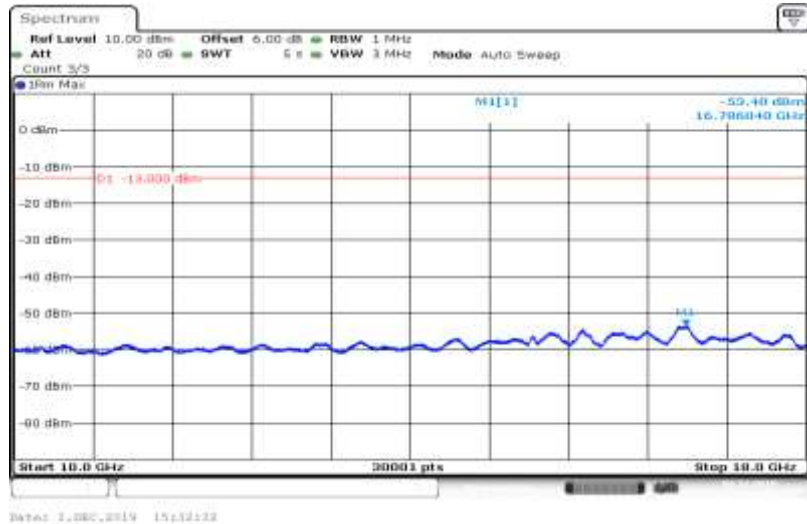
CTC Laboratories, Inc.

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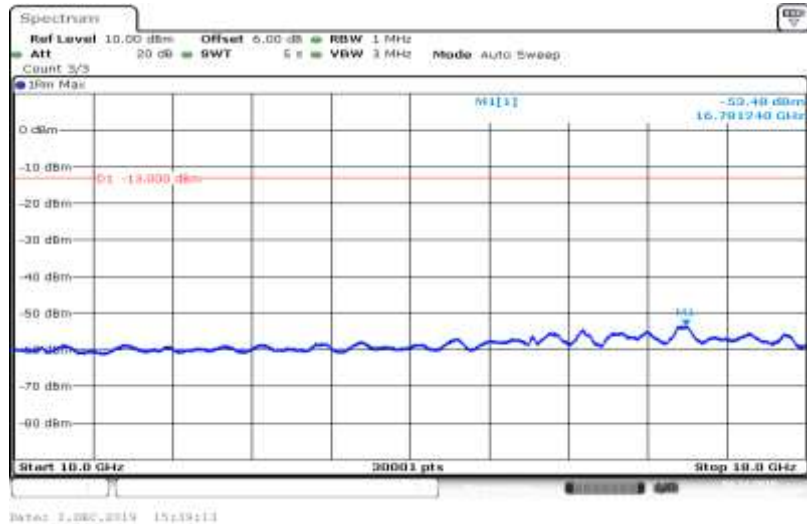
Tel.: (86)755-27521059

Fax: (86)755-27521011

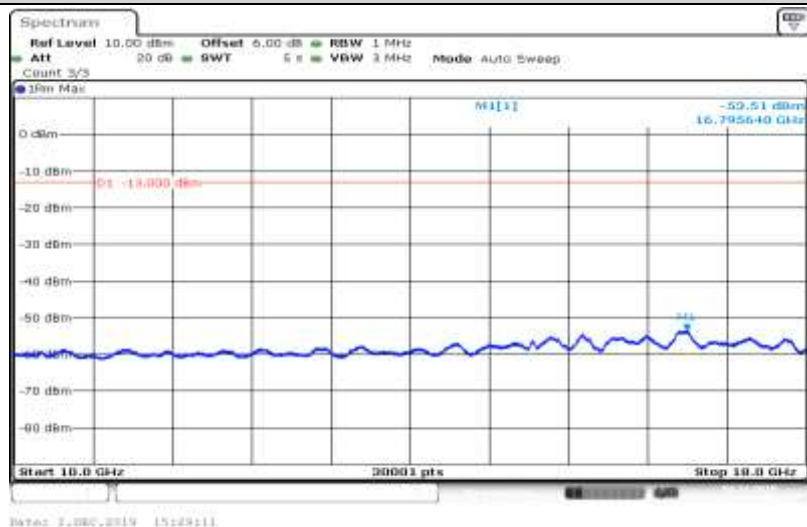
Http://www.sz-ctc.org.cn



Band V-4182-HSDPA_Sub2-10000~18000



Band V-4182-HSDPA_Sub3-10000~18000



Band V-4182-HSDPA_Sub4-10000~18000

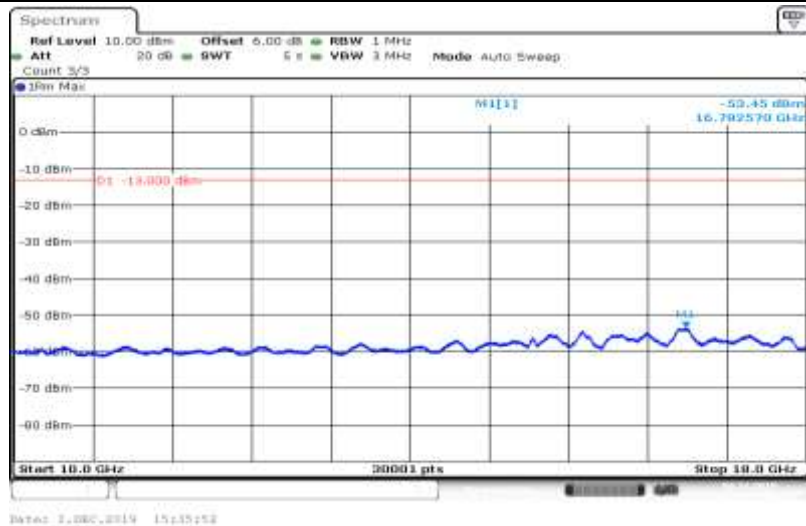
CTC Laboratories, Inc.

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

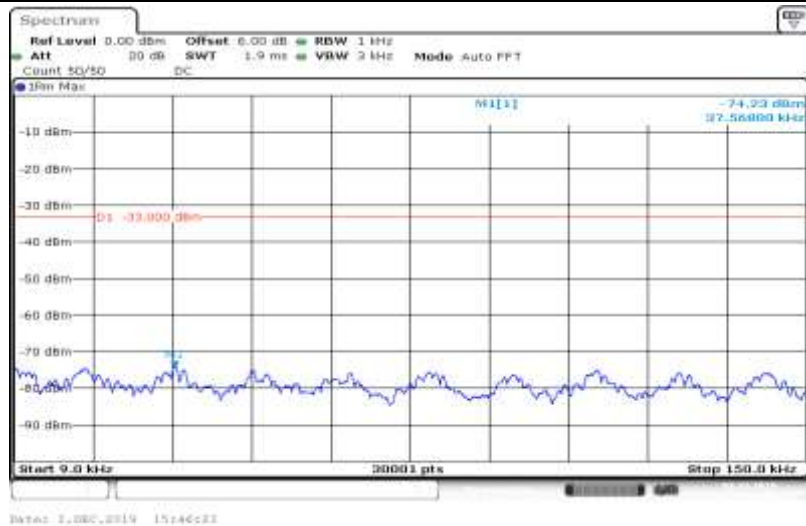
Tel.: (86)755-27521059

Fax: (86)755-27521011

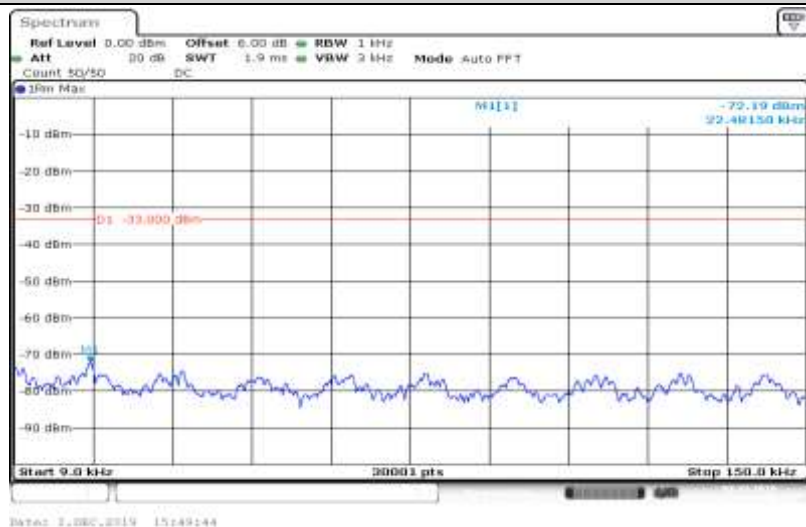
Http://www.sz-ctc.org.cn



Band V-4233-HSDPA_Sub1-0.009~0.15



Band V-4233-HSDPA_Sub2-0.009~0.15



Band V-4233-HSDPA_Sub3-0.009~0.15

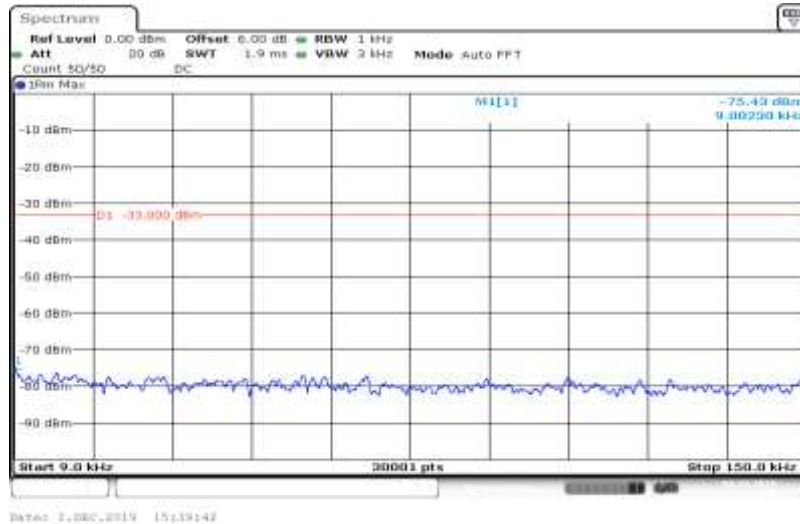
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2/F, Building 1 and 1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

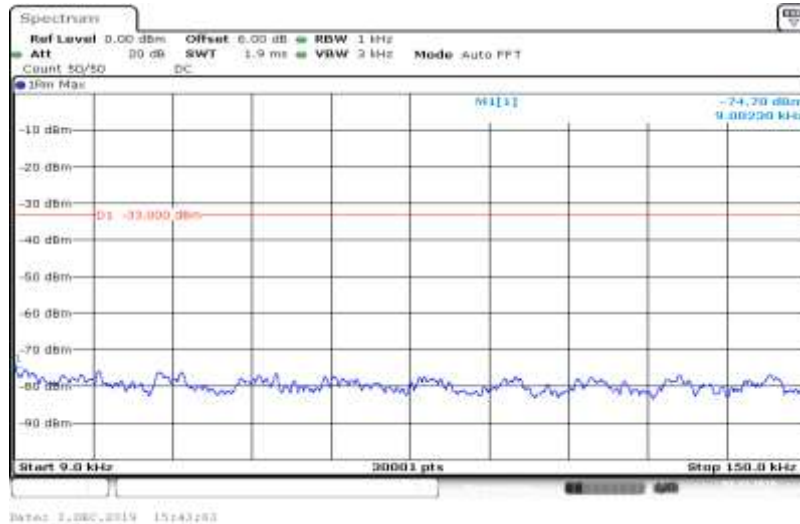
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Fax: (86)755-27521011

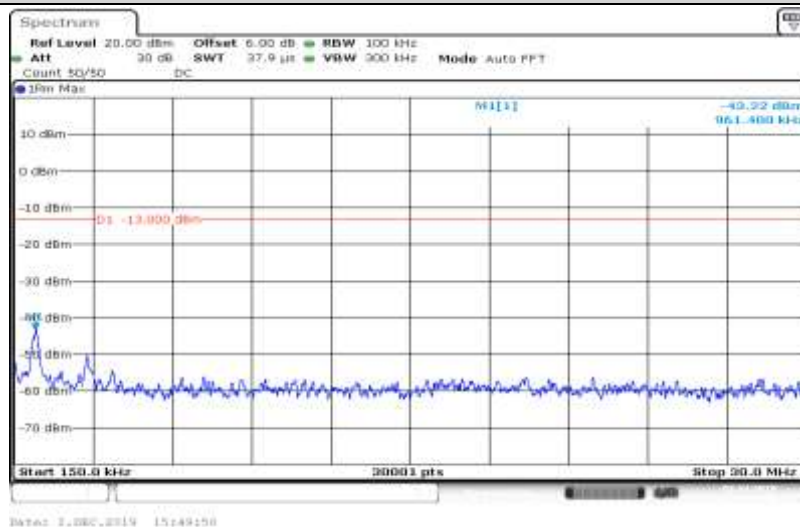
Http://www.sz-ctc.org.cn



Band V-4233-HSDPA_Sub4-0.009~0.15



Band V-4233-HSDPA_Sub1-0.15~30



Band V-4233-HSDPA_Sub2-0.15~30

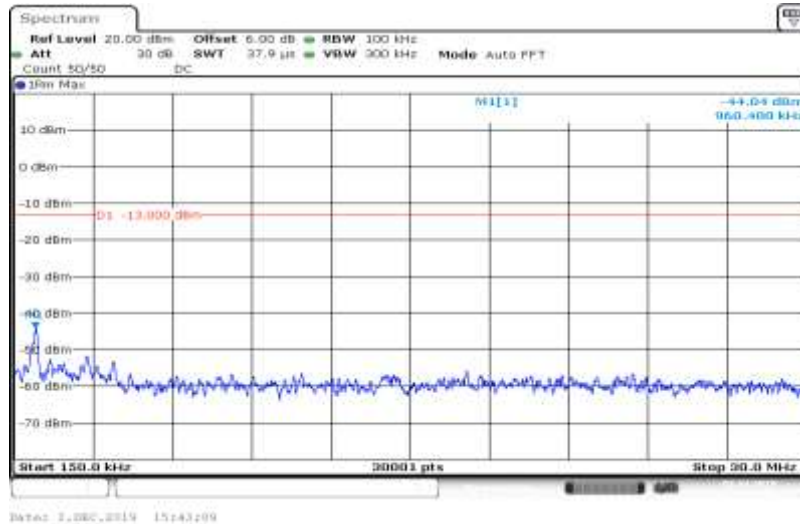
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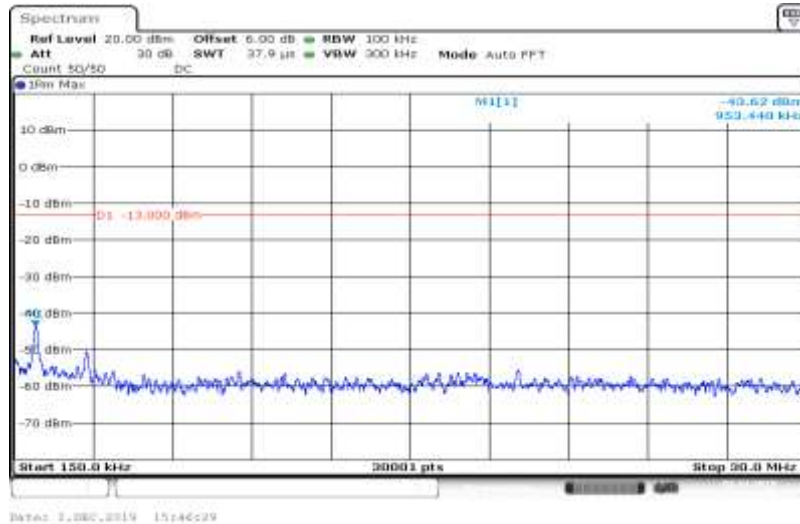
Tel.: (86)755-27521059

Fax: (86)755-27521011

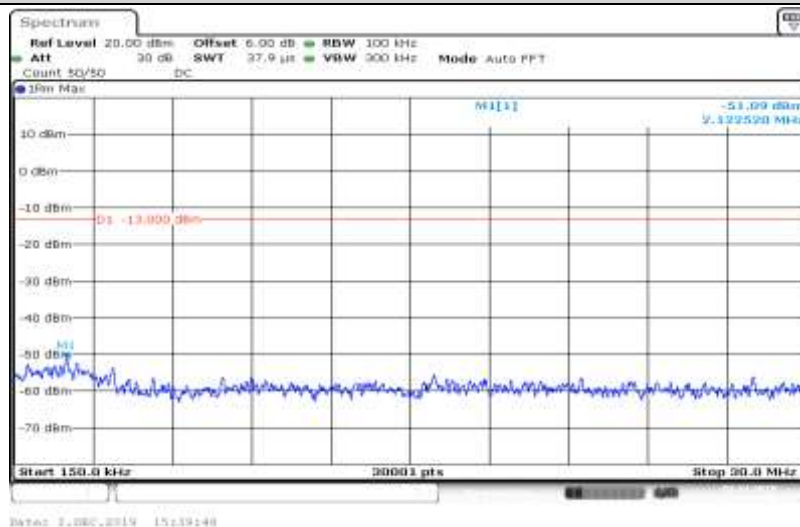
Http://www.sz-ctc.org.cn



Band V-4233-HSDPA_Sub3-0.15~30



Band V-4233-HSDPA_Sub4-0.15~30



Band V-4233-HSDPA_Sub1-30~1000

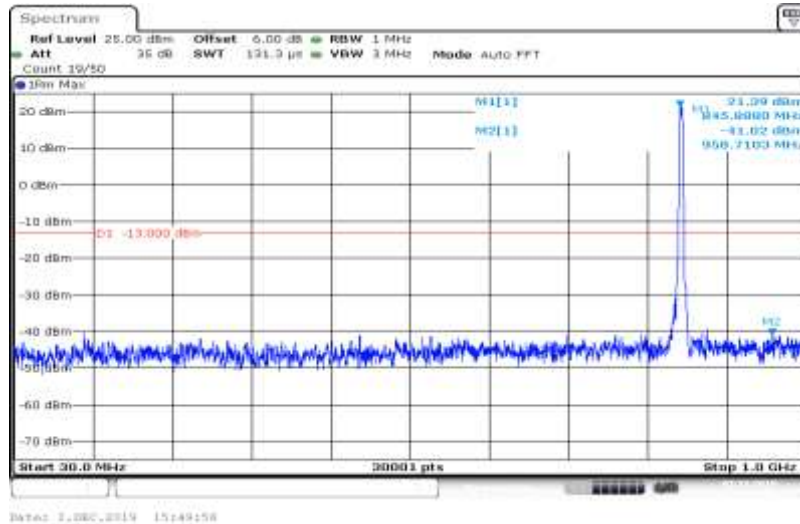
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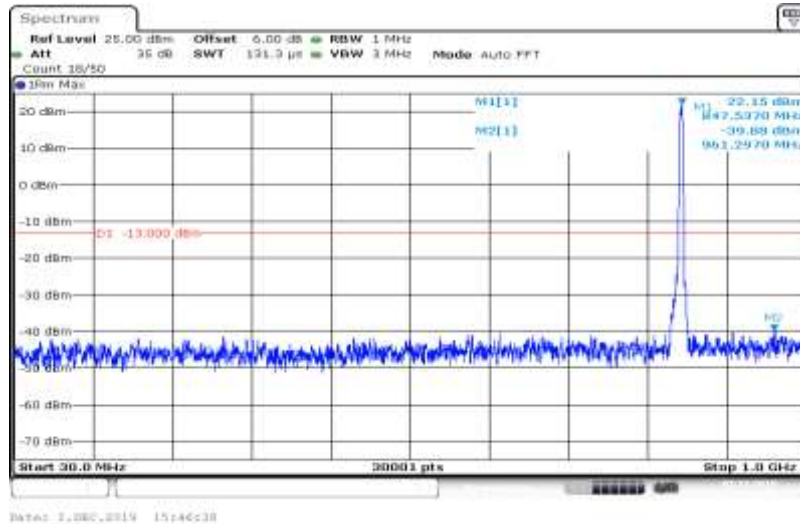
Tel.: (86)755-27521059

Fax: (86)755-27521011

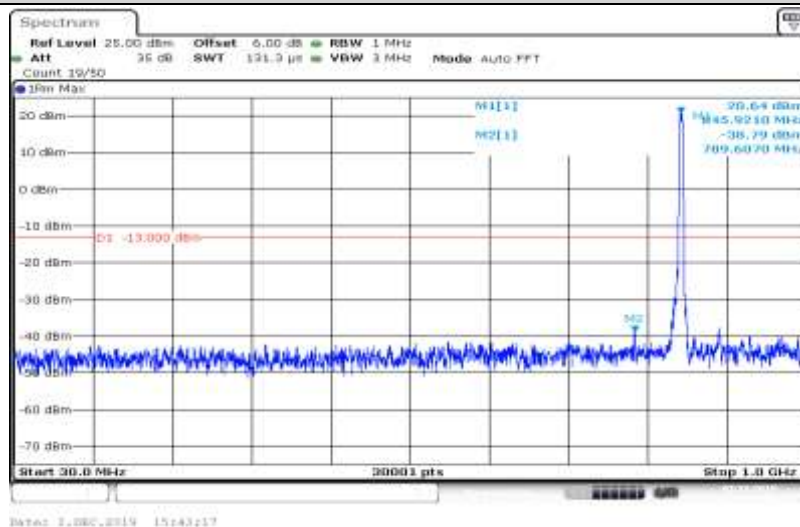
Http://www.sz-ctc.org.cn



Band V-4233-HSDPA_Sub2-30~1000



Band V-4233-HSDPA_Sub3-30~1000



Band V-4233-HSDPA_Sub4-30~1000

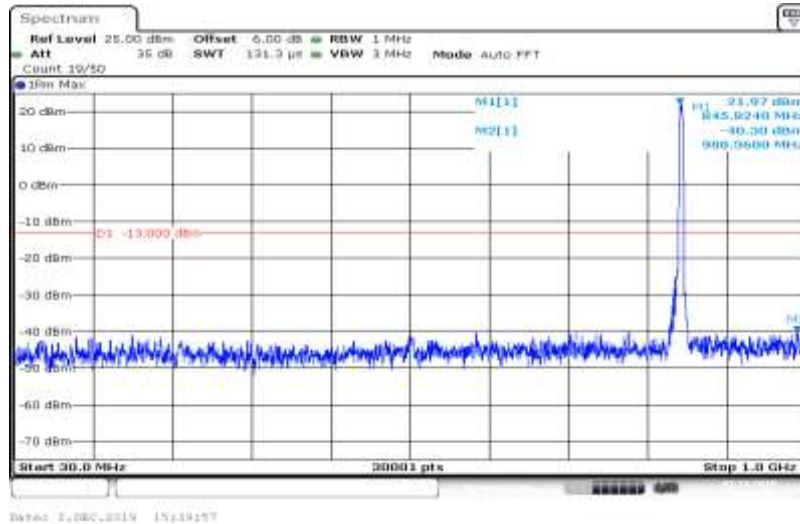
CTC Laboratories, Inc.

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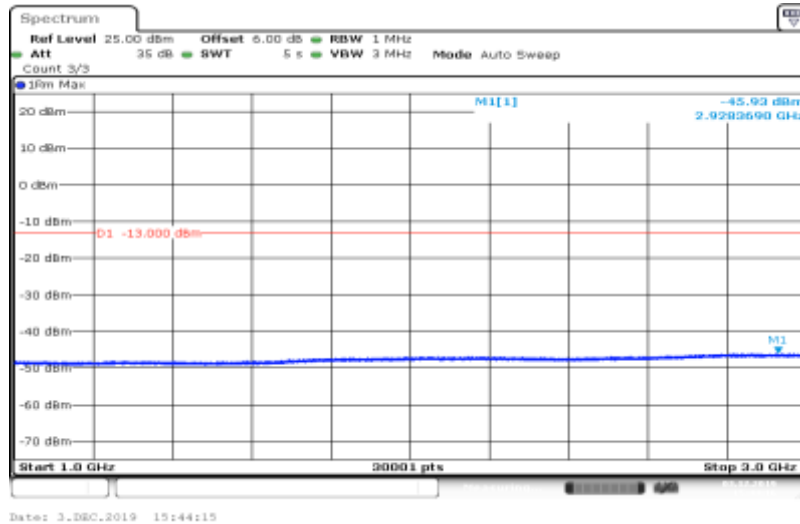
Tel.: (86)755-27521059

Fax: (86)755-27521011

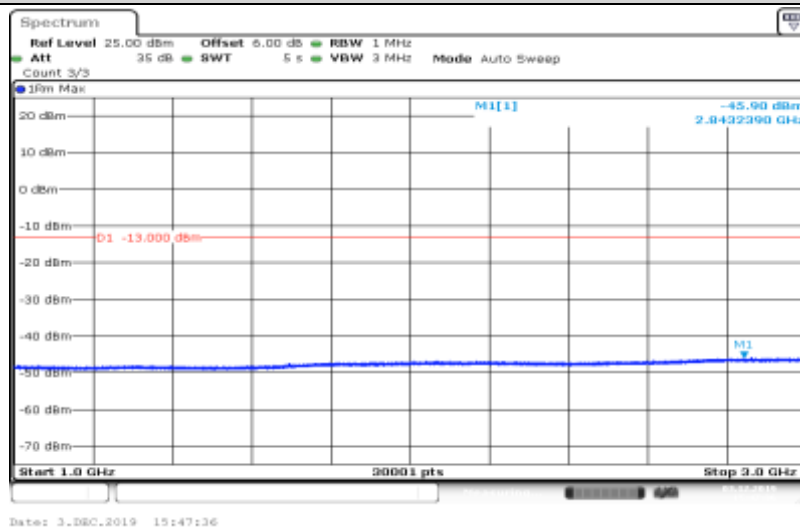
Http://www.sz-ctc.org.cn



Band V-4233-HSDPA_Sub1-1000~3000



Band V-4233-HSDPA_Sub2-1000~3000



Band V-4233-HSDPA_Sub3-1000~3000

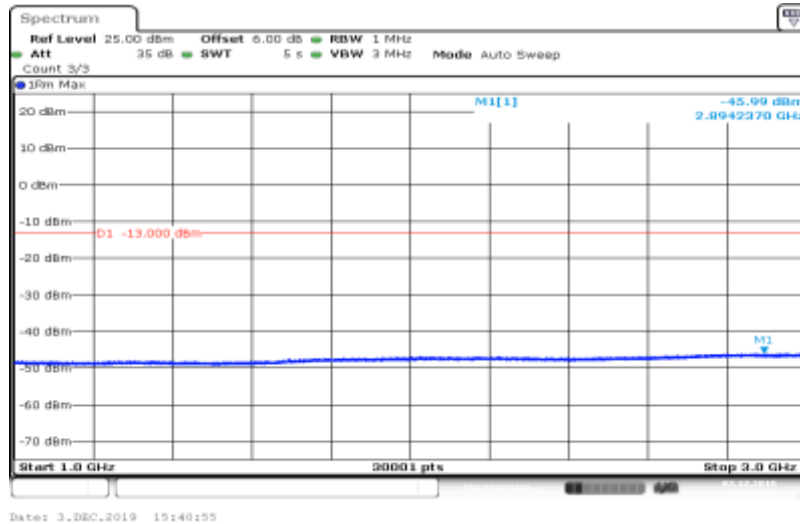
CTC Laboratories, Inc.

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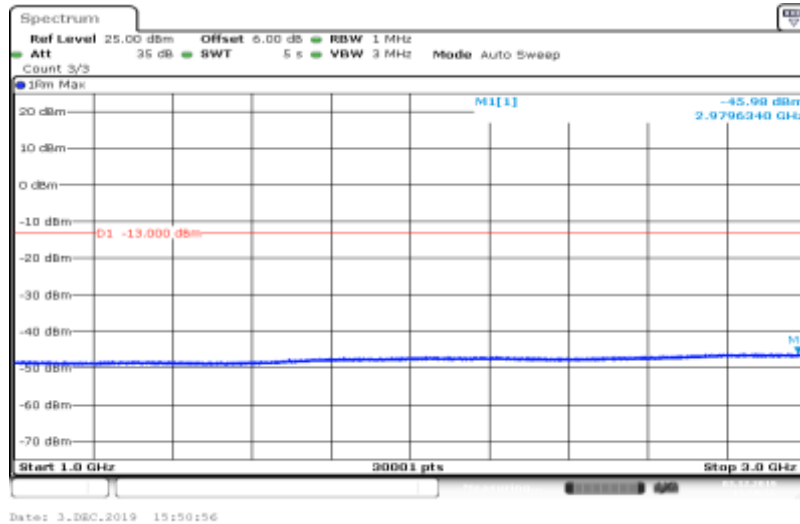
Tel.: (86)755-27521059

Fax: (86)755-27521011

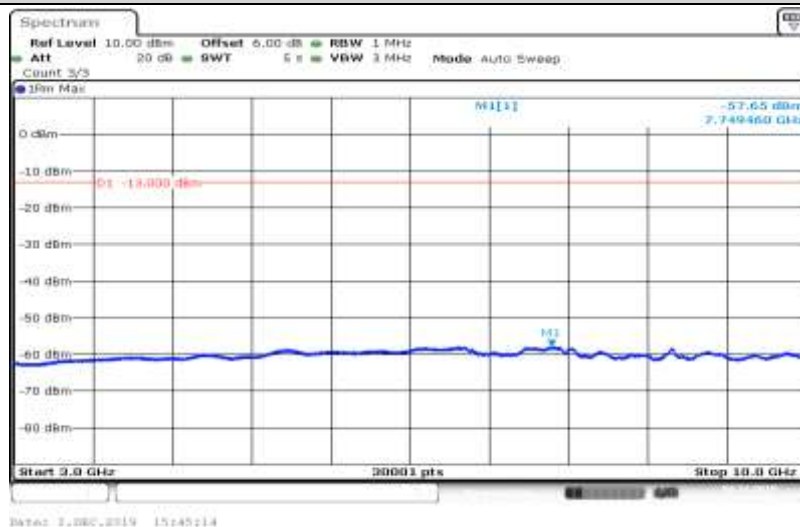
Http://www.sz-ctc.org.cn



Band V-4233-HSDPA_Sub4-1000~3000



Band V-4233-HSDPA_Sub1-3000~10000



Band V-4233-HSDPA_Sub2-3000~10000

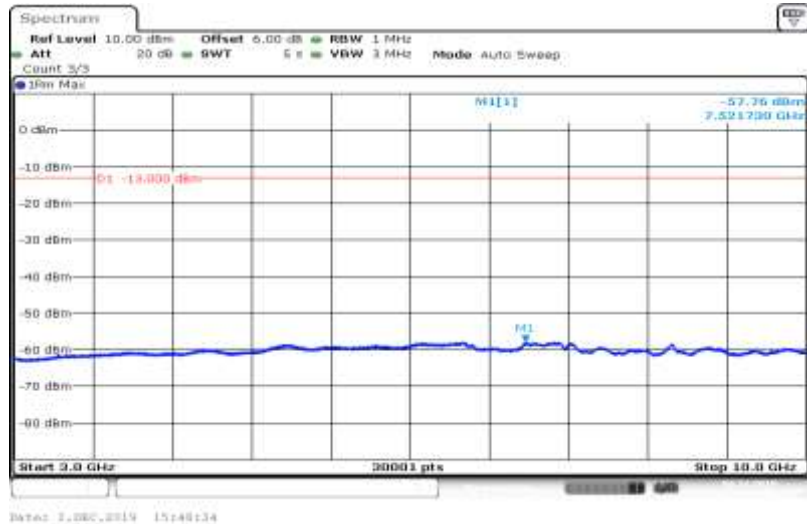
CTC Laboratories, Inc.

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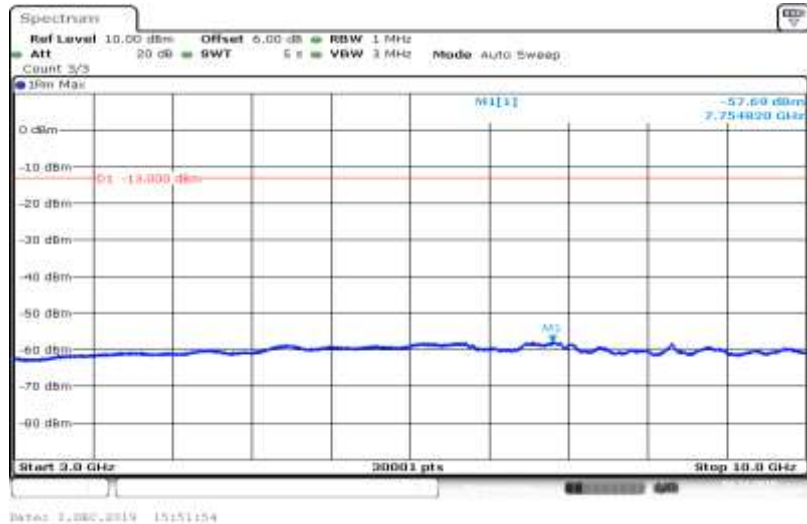
Tel.: (86)755-27521059

Fax: (86)755-27521011

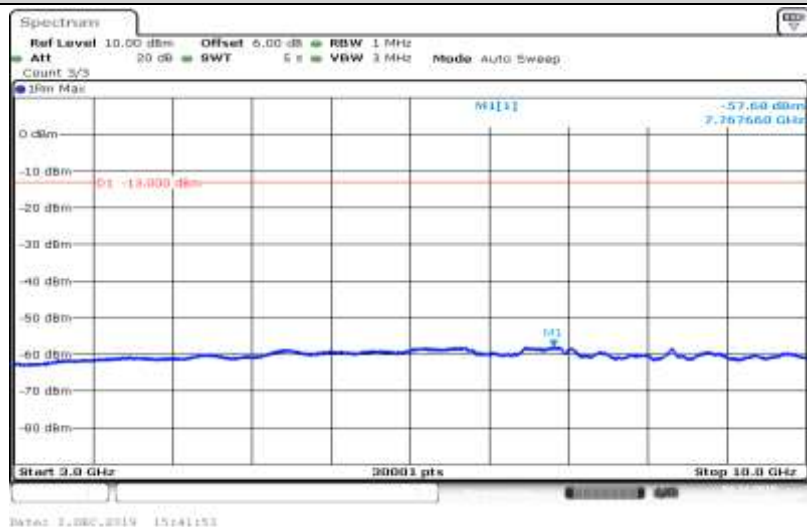
Http://www.sz-ctc.org.cn



Band V-4233-HSDPA_Sub3-3000~10000



Band V-4233-HSDPA_Sub4-3000~10000



Band V-4233-HSDPA_Sub1-10000~18000

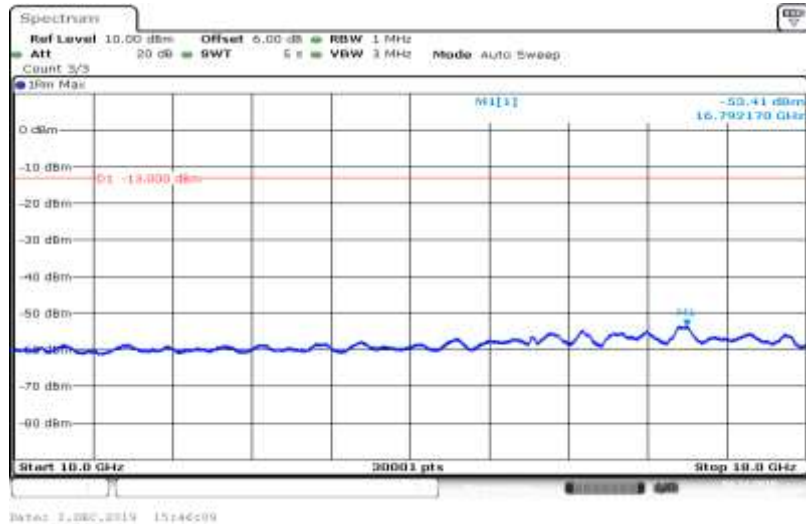
CTC Laboratories, Inc.

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

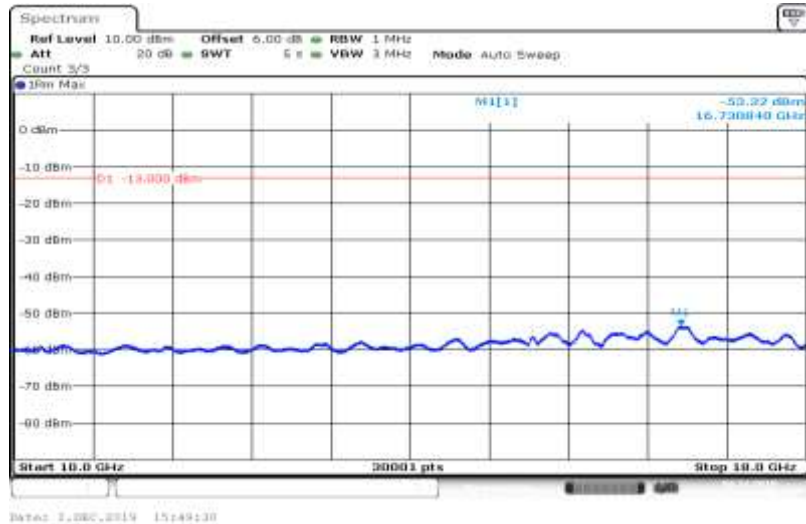
Tel.: (86)755-27521059

Fax: (86)755-27521011

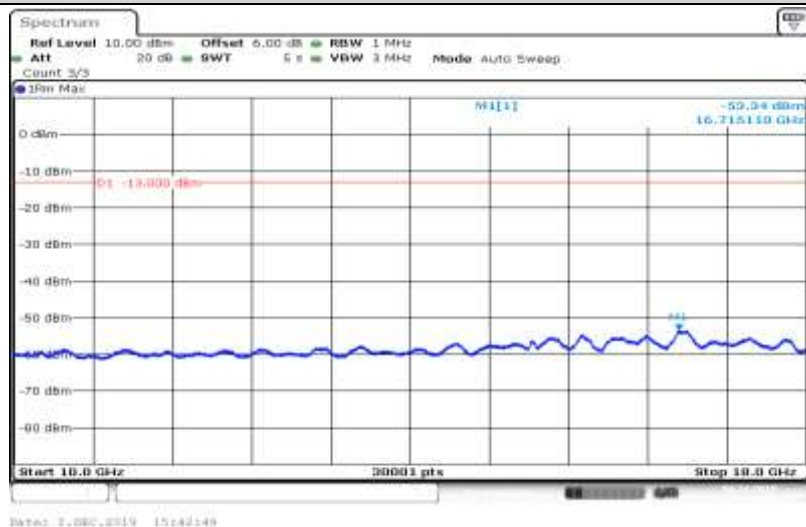
Http://www.sz-ctc.org.cn



Band V-4233-HSDPA_Sub2-10000~18000



Band V-4233-HSDPA_Sub3-10000~18000



Band V-4233-HSDPA_Sub4-10000~18000

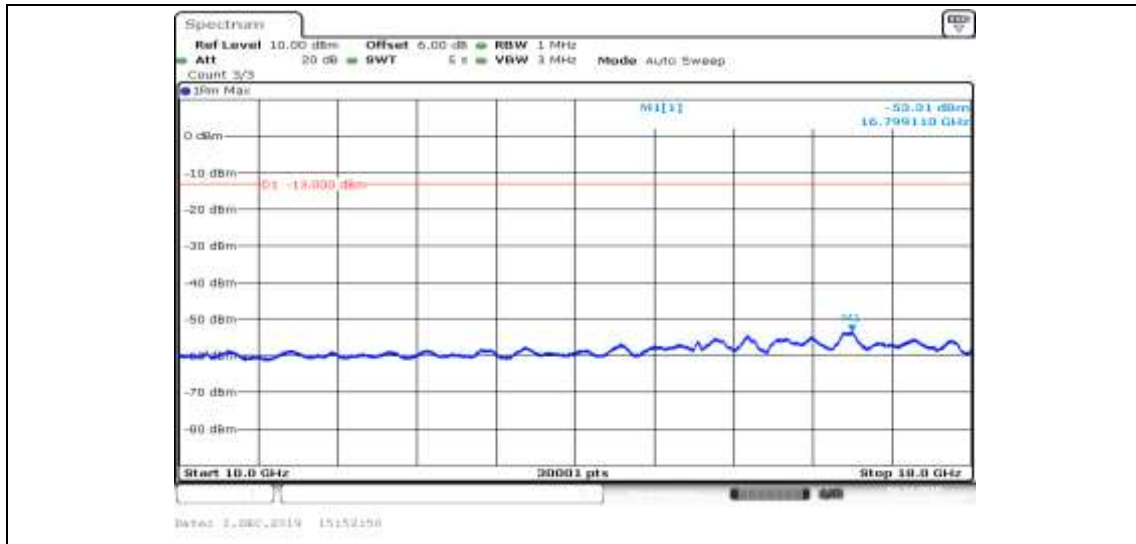
CTC Laboratories, Inc.

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

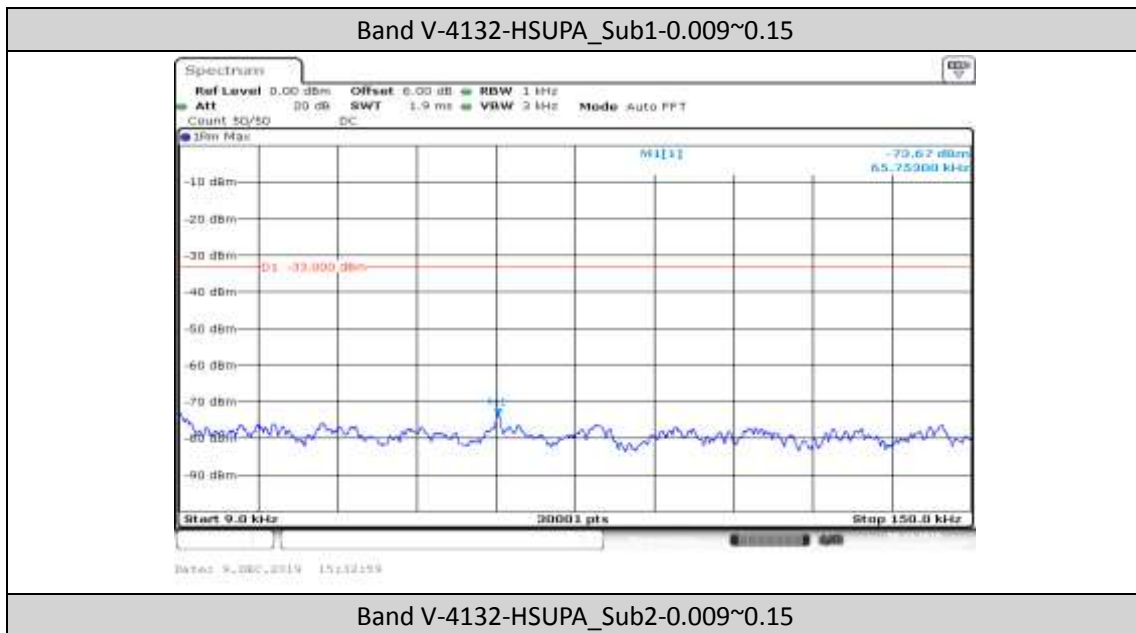
Tel.: (86)755-27521059

Fax: (86)755-27521011

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HSUPA:



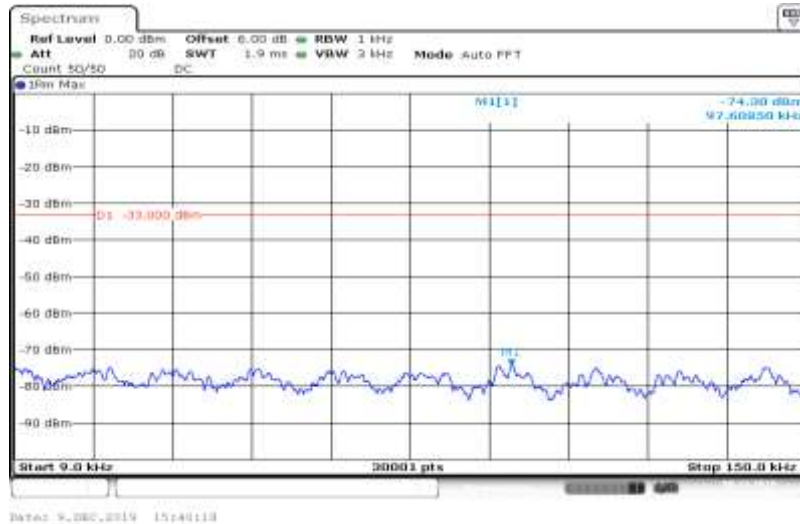
CTC Laboratories, Inc.

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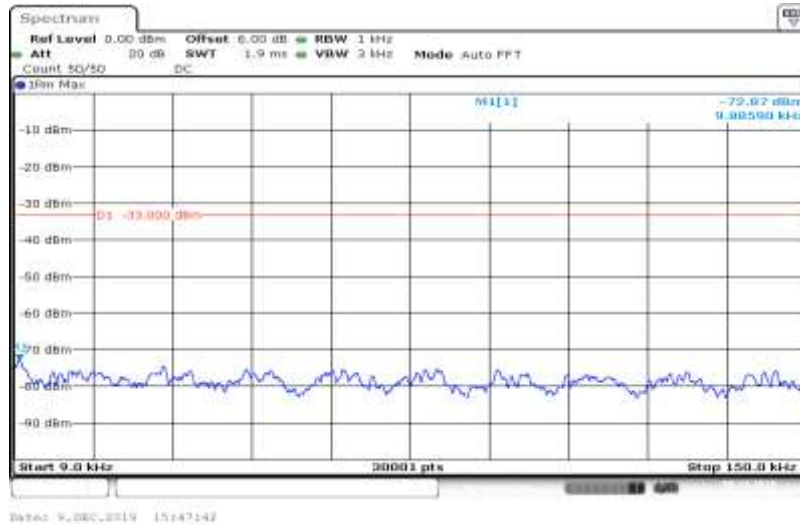
Tel.: (86)755-27521059

Fax: (86)755-27521011

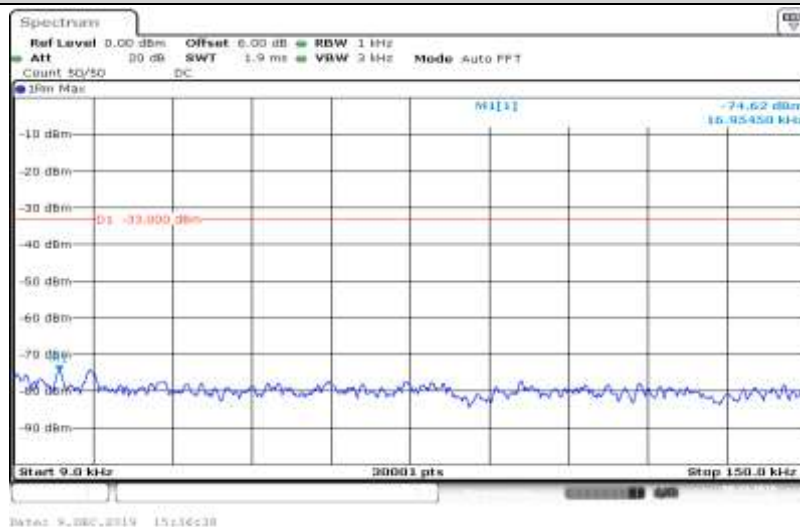
Http://www.sz-ctc.org.cn



Band V-4132-HSUPA_Sub3-0.009~0.15



Band V-4132-HSUPA_Sub4-0.009~0.15



Band V-4132-HSUPA_Sub5-0.009~0.15

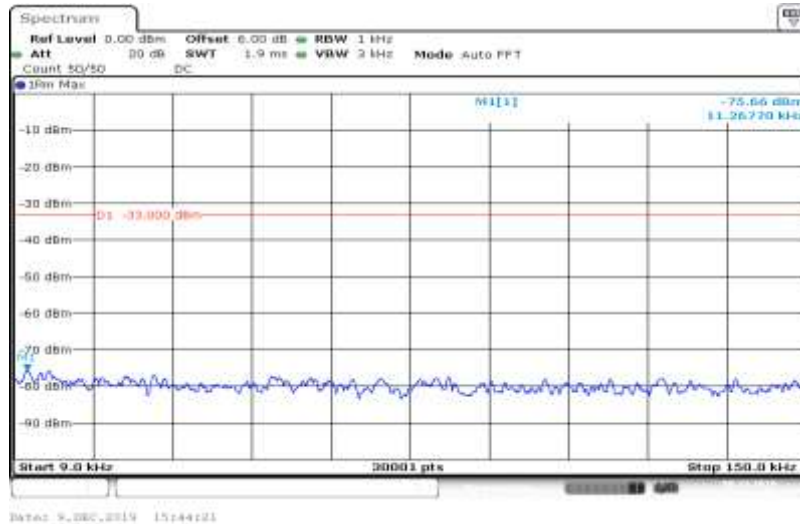
CTC Laboratories, Inc.

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

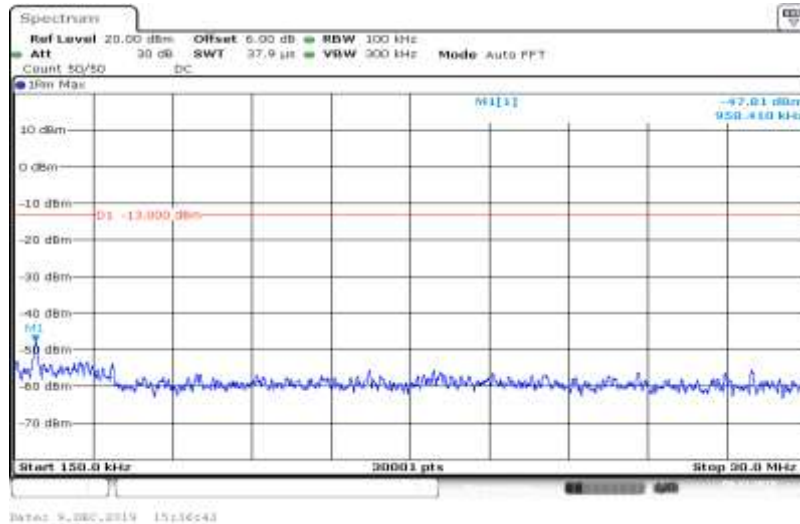
Tel.: (86)755-27521059

Fax: (86)755-27521011

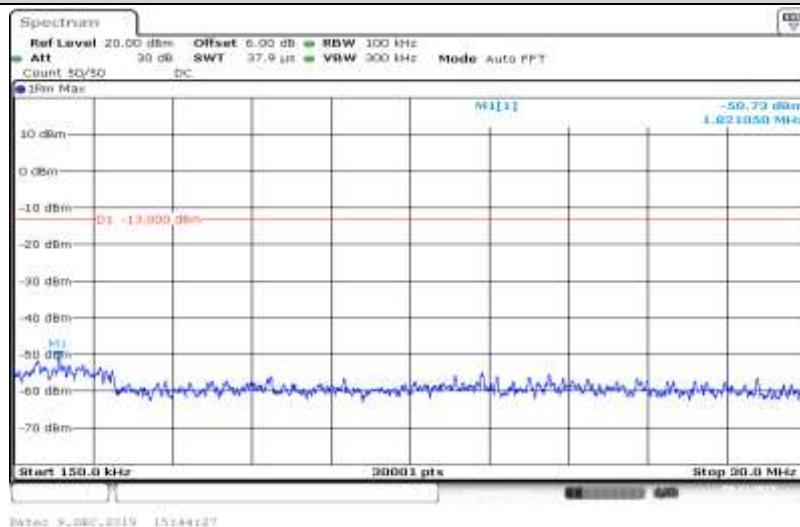
Http://www.sz-ctc.org.cn



Band V-4132-HSUPA_Sub1-0.15~30



Band V-4132-HSUPA_Sub2-0.15~30



Band V-4132-HSUPA_Sub3-0.15~30

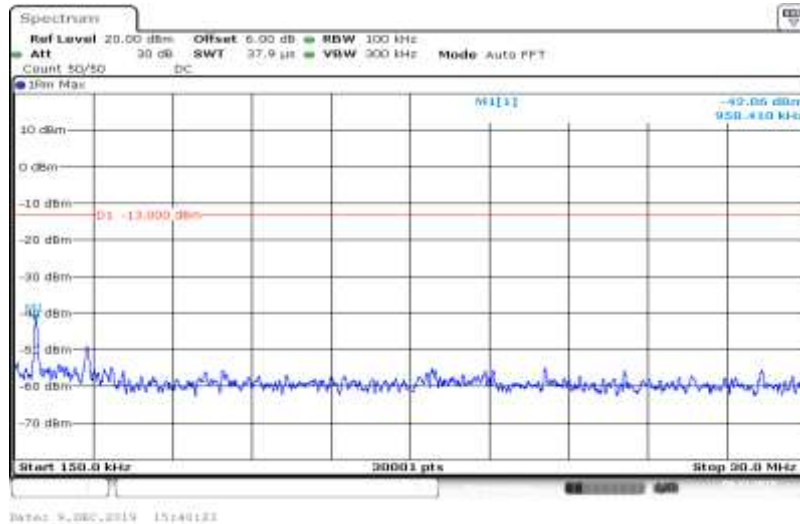
CTC Laboratories, Inc.

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

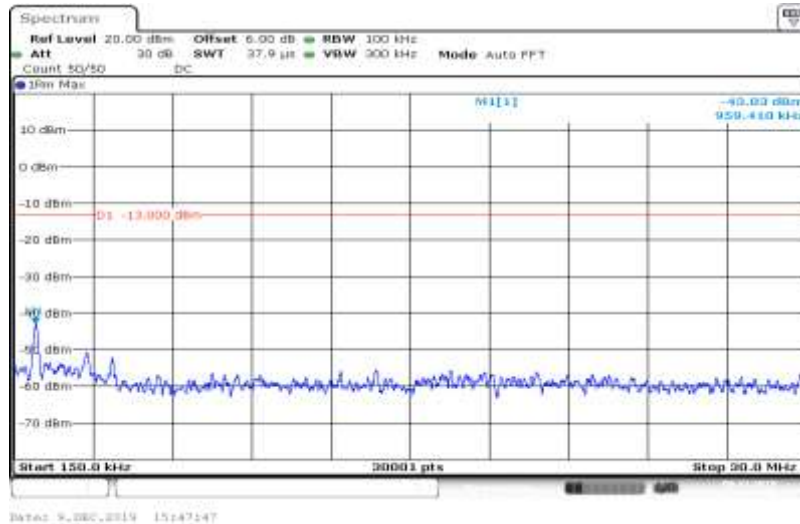
Tel.: (86)755-27521059

Fax: (86)755-27521011

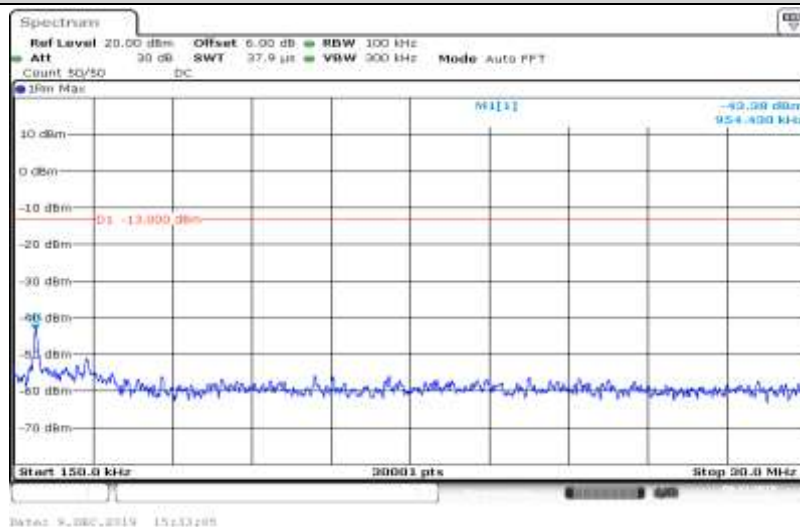
Http://www.sz-ctc.org.cn



Band V-4132-HSUPA_Sub4-0.15~30



Band V-4132-HSUPA_Sub5-0.15~30



Band V-4132-HSUPA_Sub1-30~1000

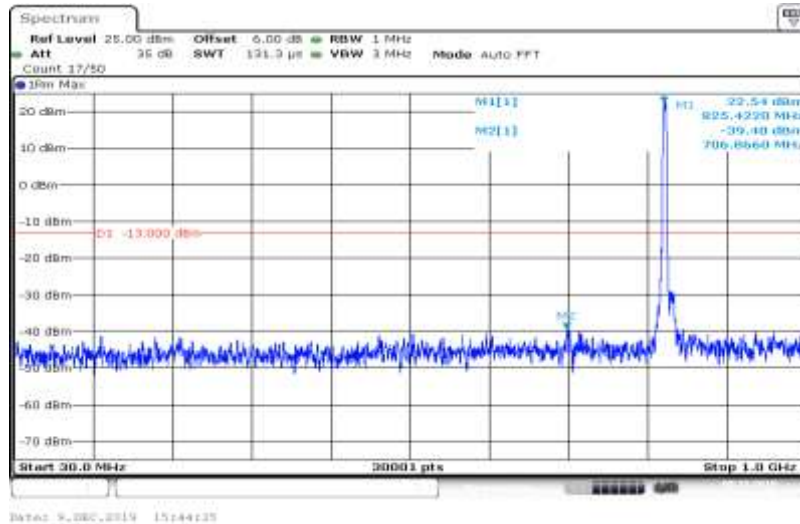
CTC Laboratories, Inc.

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

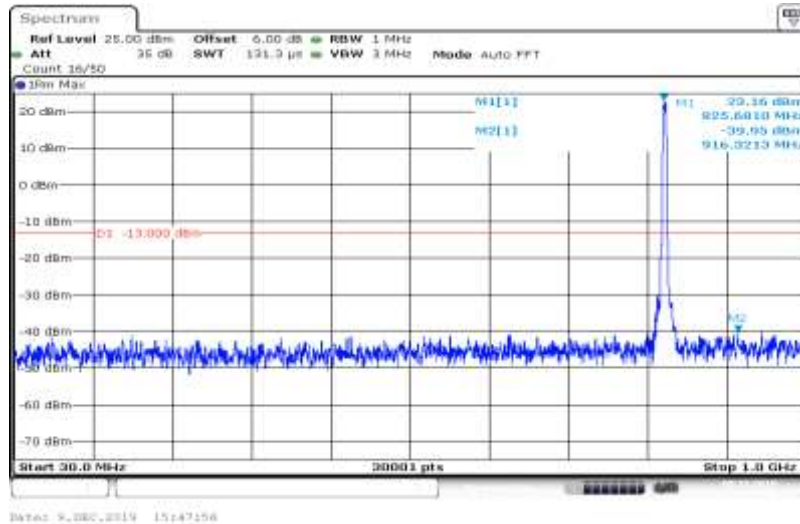
Tel.: (86)755-27521059

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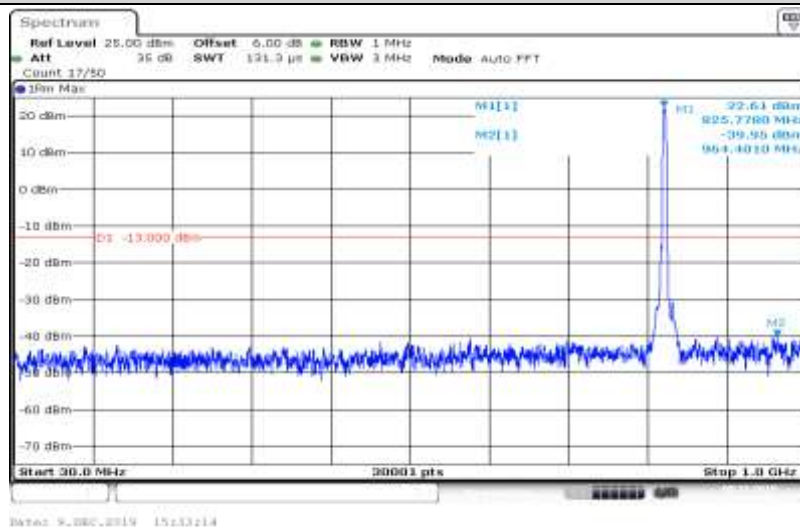
Http://www.sz-ctc.org.cn



Band V-4132-HSUPA_Sub2-30~1000



Band V-4132-HSUPA_Sub3-30~1000



Band V-4132-HSUPA_Sub4-30~1000

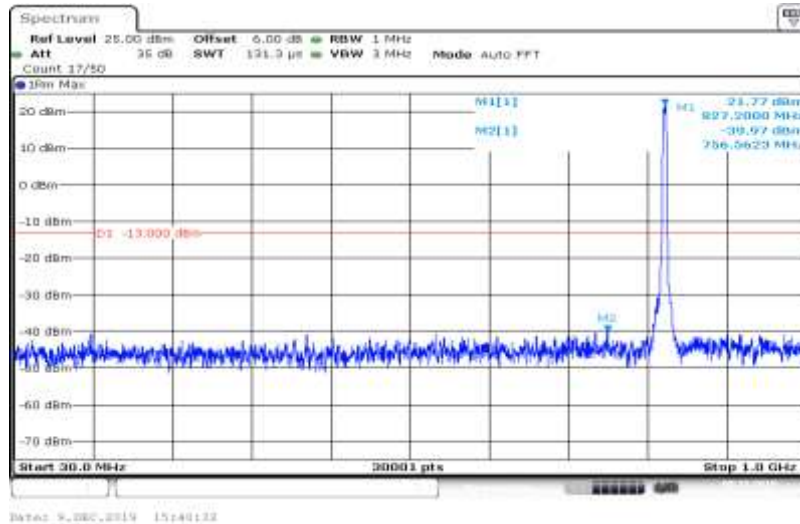
CTC Laboratories, Inc.

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

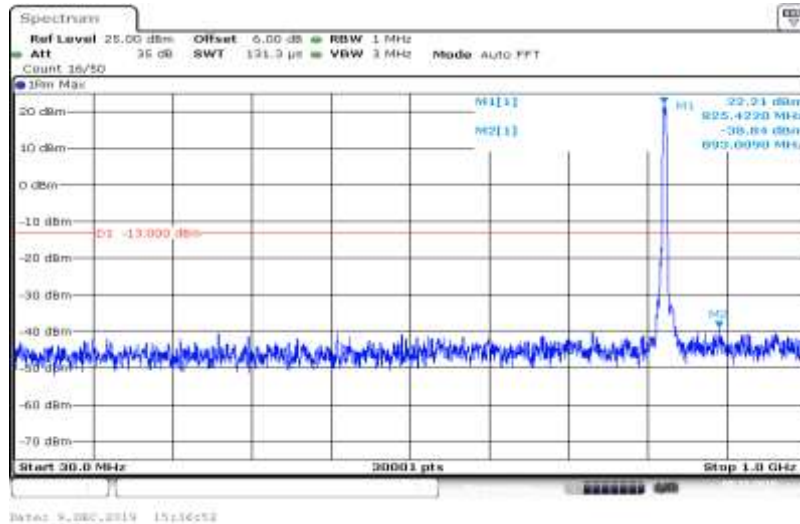
Tel.: (86)755-27521059

Fax: (86)755-27521011

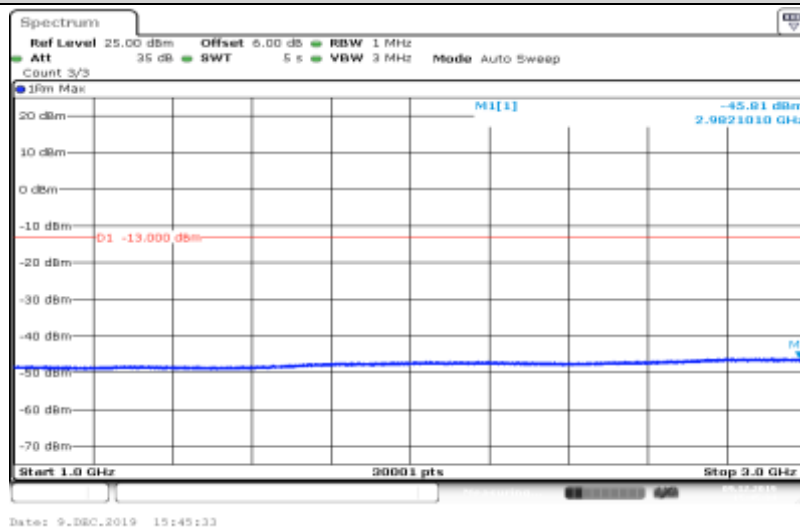
Http://www.sz-ctc.org.cn



Band V-4132-HSUPA_Sub5-30~1000



Band V-4132-HSUPA_Sub1-1000~3000



Band V-4132-HSUPA_Sub2-1000~3000

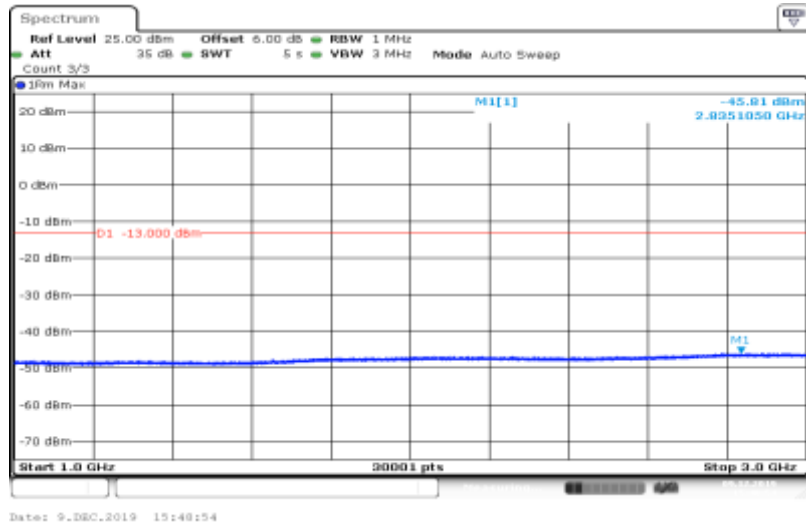
CTC Laboratories, Inc.

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

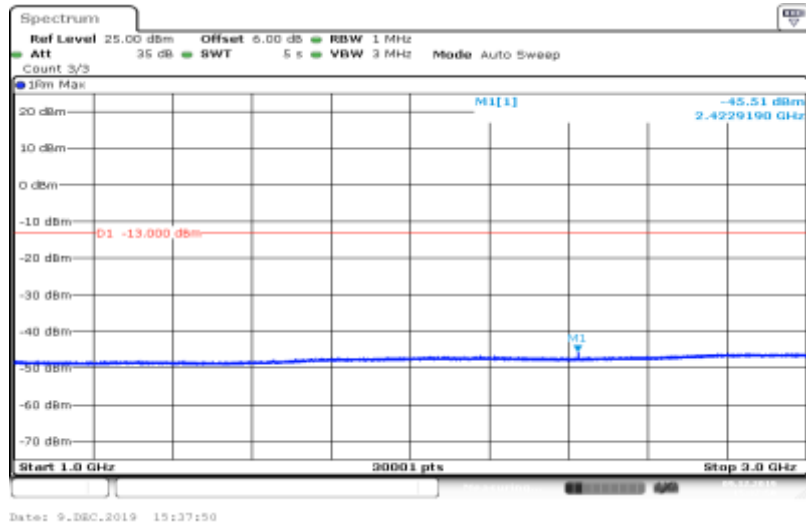
Tel.: (86)755-27521059

Fax: (86)755-27521011

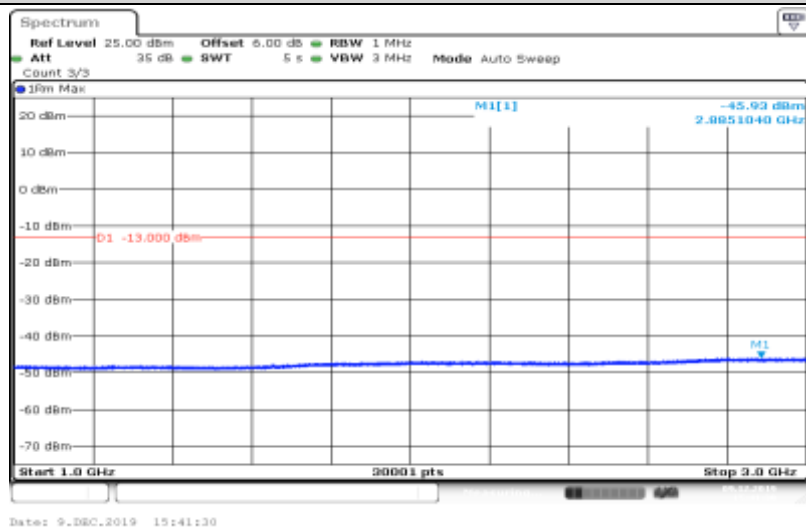
Http://www.sz-ctc.org.cn



Band V-4132-HSUPA_Sub3-1000~3000



Band V-4132-HSUPA_Sub4-1000~3000



Band V-4132-HSUPA_Sub5-1000~3000

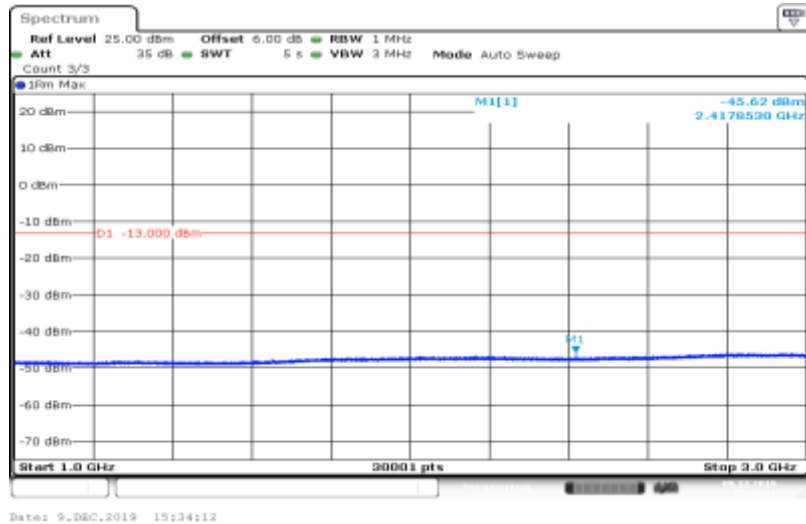
CTC Laboratories, Inc.

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

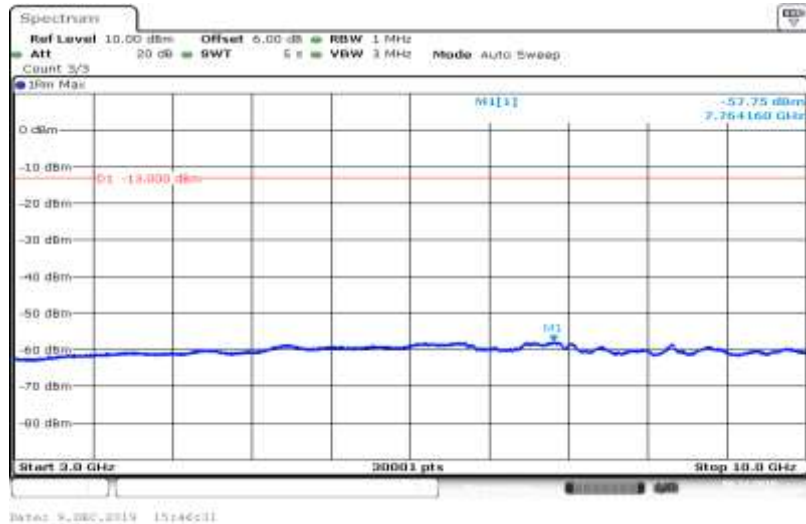
Tel.: (86)755-27521059

Fax: (86)755-27521011

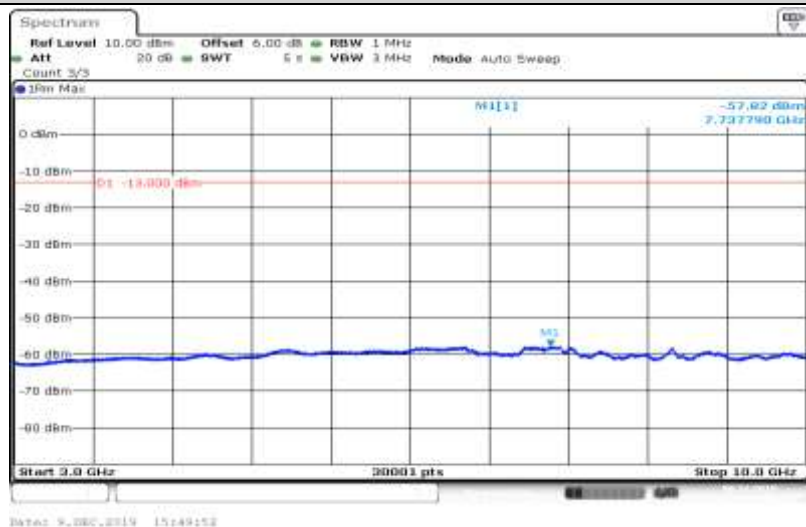
Http://www.sz-ctc.org.cn



Band V-4132-HSUPA_Sub1-3000~10000



Band V-4132-HSUPA_Sub2-3000~10000



Band V-4132-HSUPA_Sub3-3000~10000

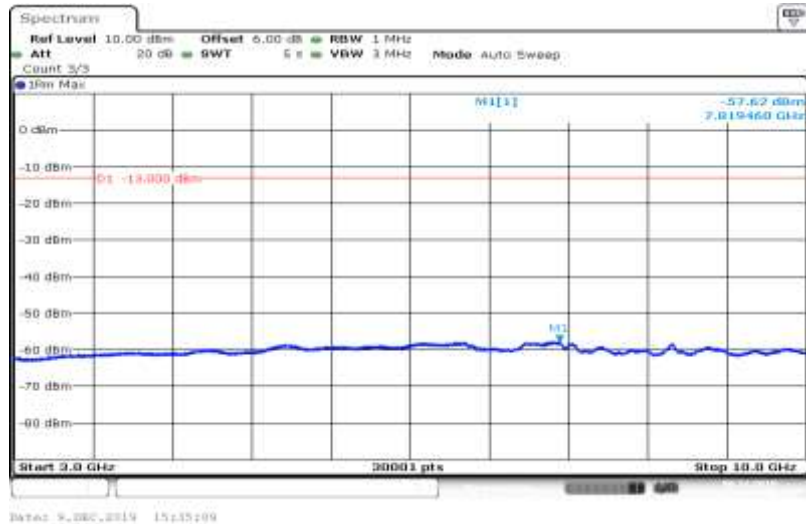
CTC Laboratories, Inc.

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

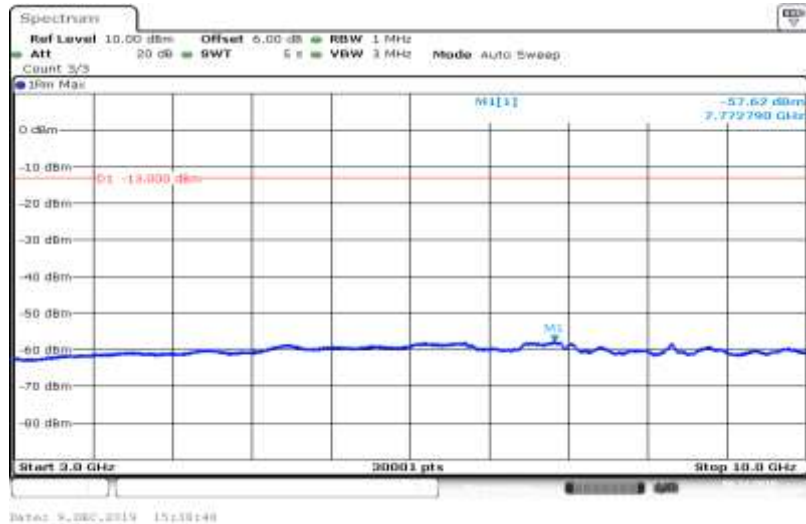
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Fax: (86)755-27521011

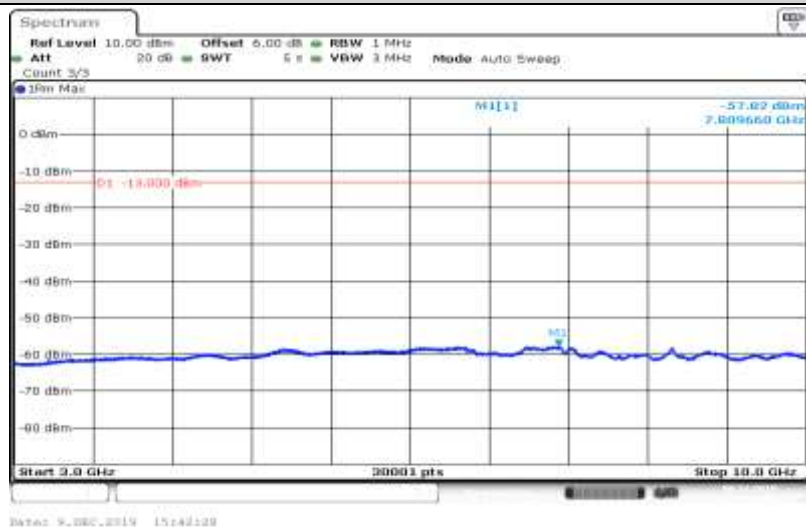
Http://www.sz-ctc.org.cn



Band V-4132-HSUPA_Sub4-3000~10000



Band V-4132-HSUPA_Sub5-3000~10000



Band V-4132-HSUPA_Sub1-10000~18000

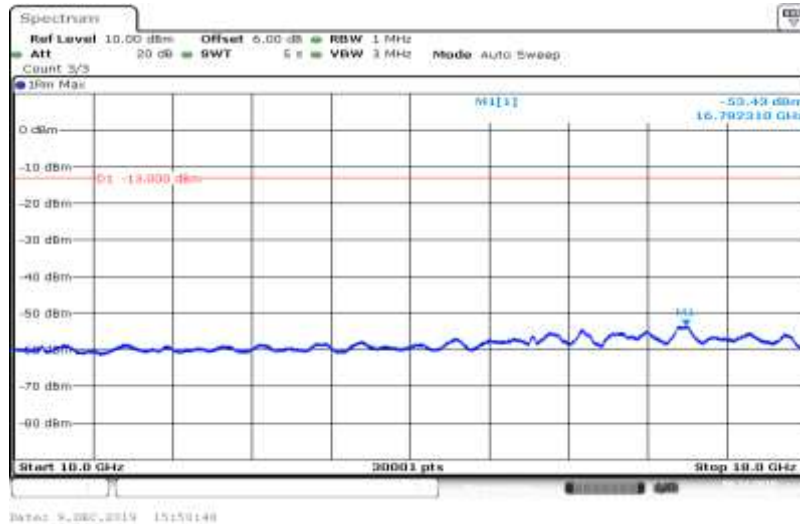
CTC Laboratories, Inc.

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

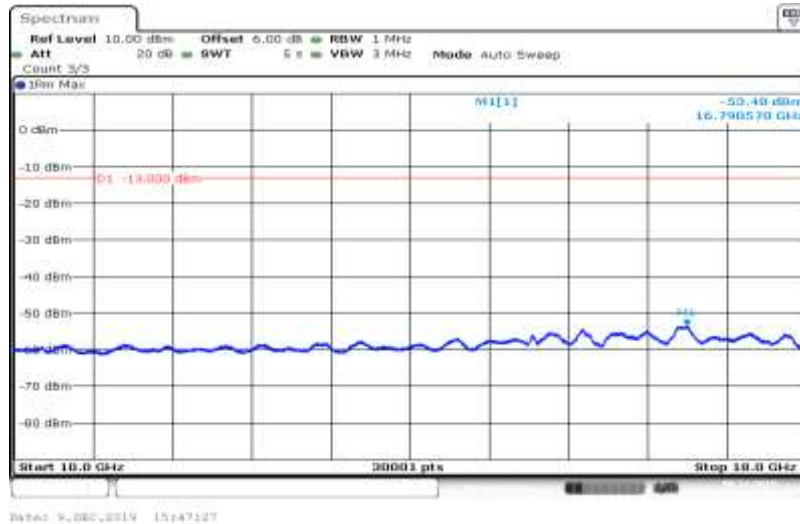
Tel.: (86)755-27521059

Fax: (86)755-27521011

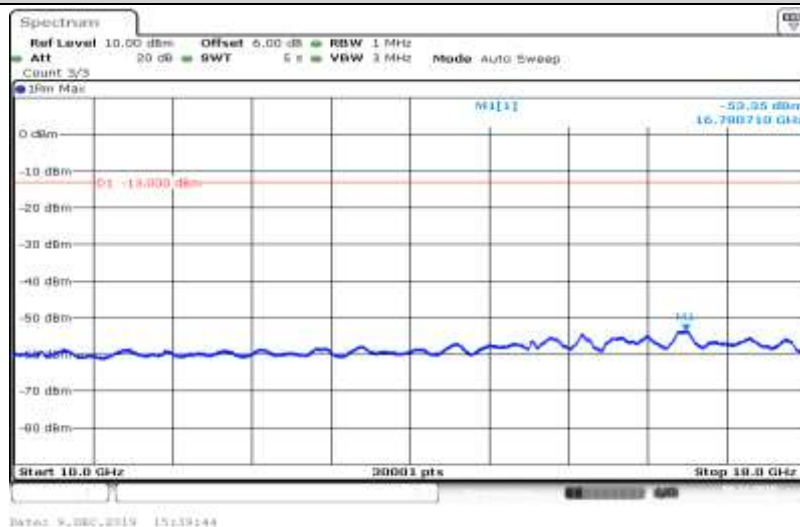
Http://www.sz-ctc.org.cn



Band V-4132-HSUPA_Sub2-10000~18000



Band V-4132-HSUPA_Sub3-10000~18000



Band V-4132-HSUPA_Sub4-10000~18000

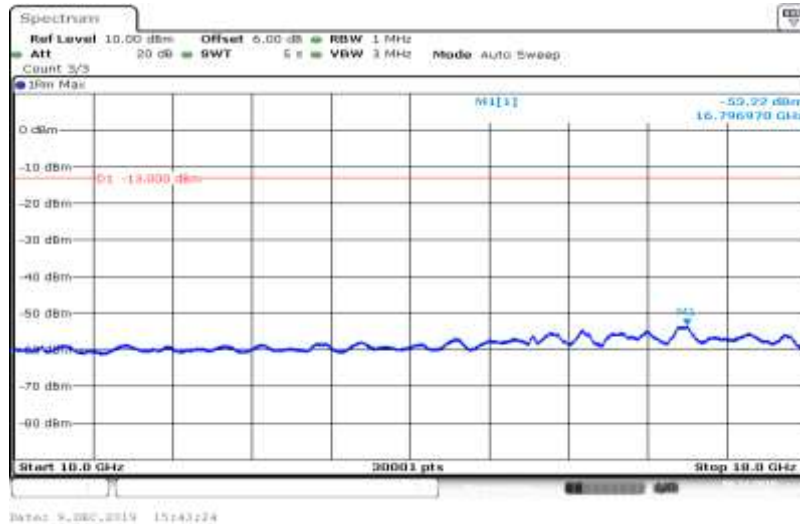
CTC Laboratories, Inc.

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

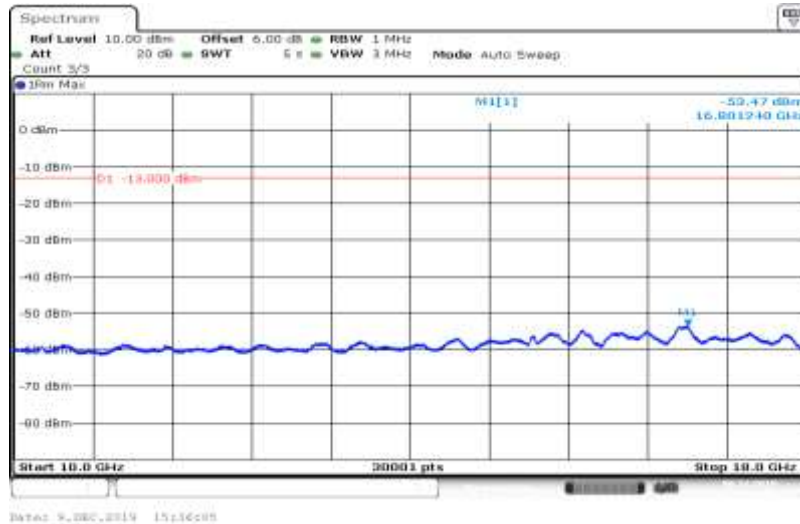
Tel.: (86)755-27521059

Fax: (86)755-27521011

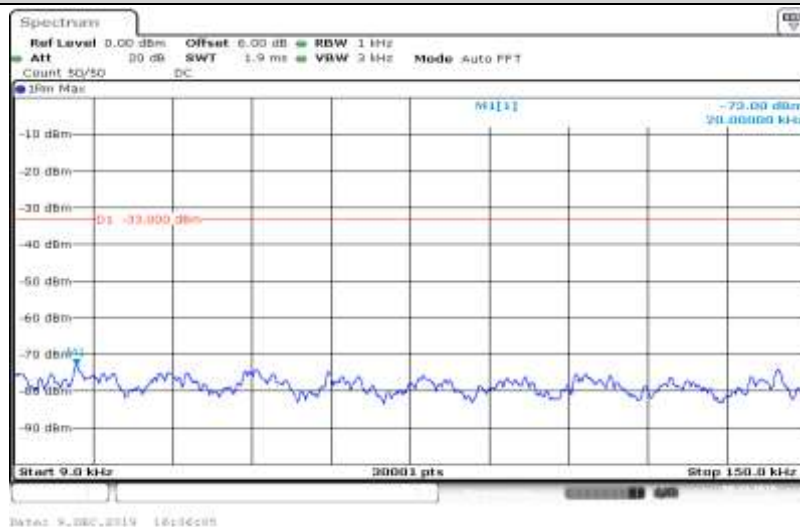
Http://www.sz-ctc.org.cn



Band V-4132-HSUPA_Sub5-10000~18000



Band V-4182-HSUPA_Sub1-0.009~0.15



Band V-4182-HSUPA_Sub2-0.009~0.15

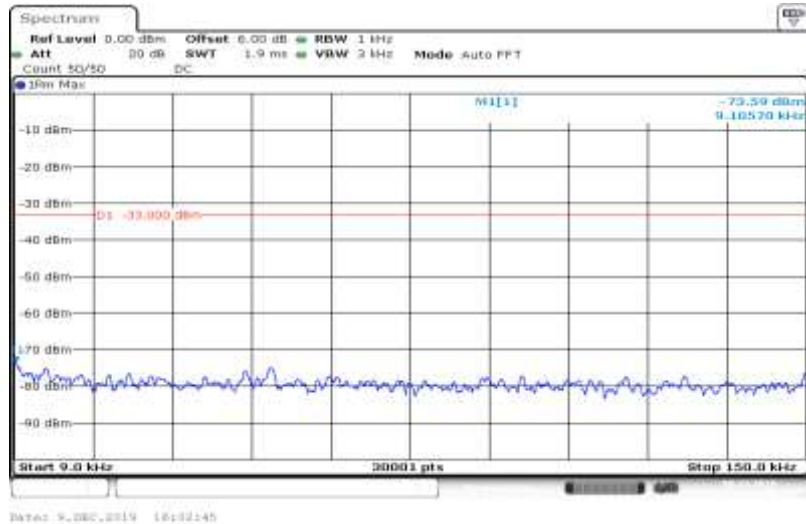
CTC Laboratories, Inc.

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

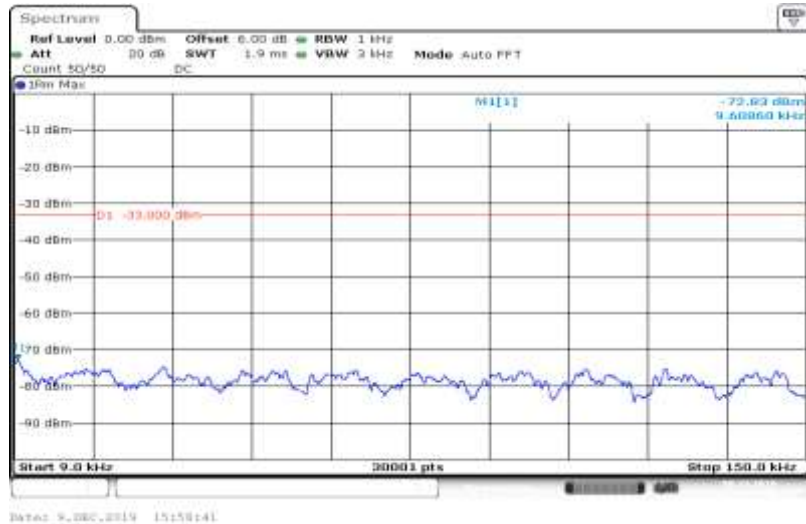
Tel.: (86)755-27521059

Fax: (86)755-27521011

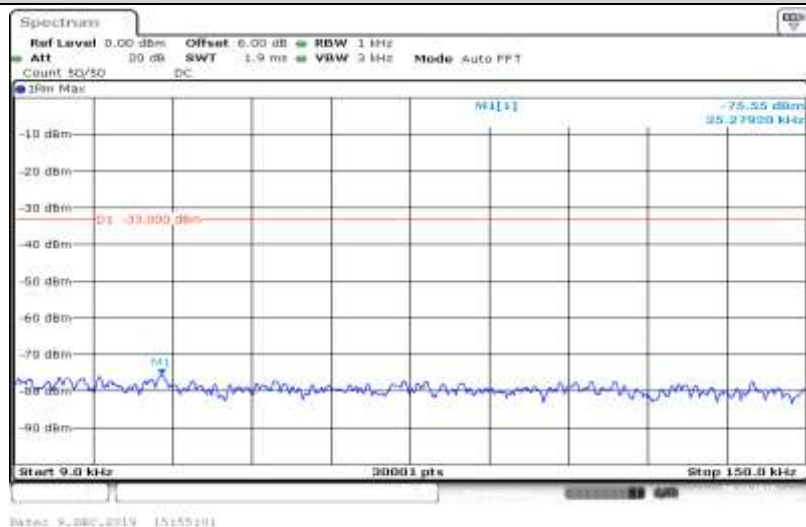
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Band V-4182-HSUPA_Sub3-0.009~0.15



Band V-4182-HSUPA_Sub4-0.009~0.15



Band V-4182-HSUPA_Sub5-0.009~0.15

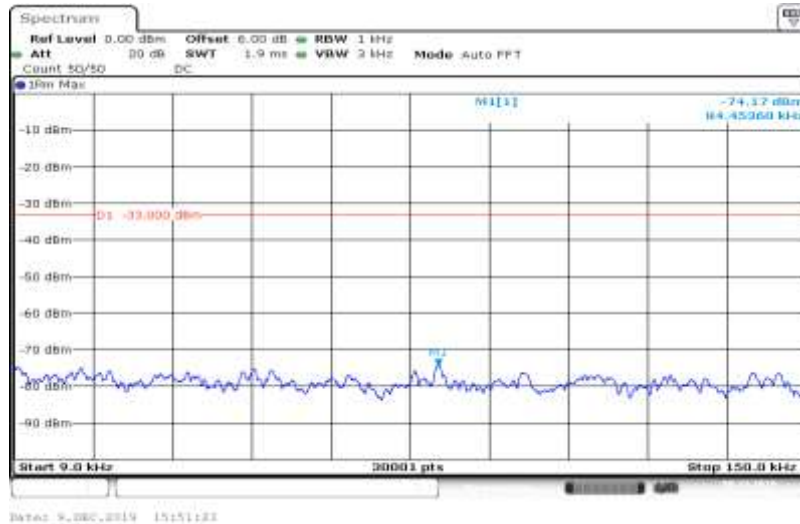
CTC Laboratories, Inc.

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

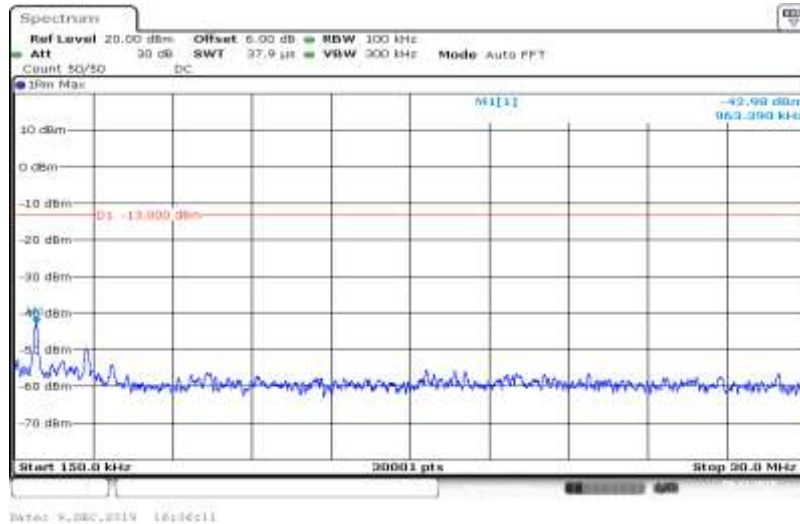
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Fax: (86)755-27521011

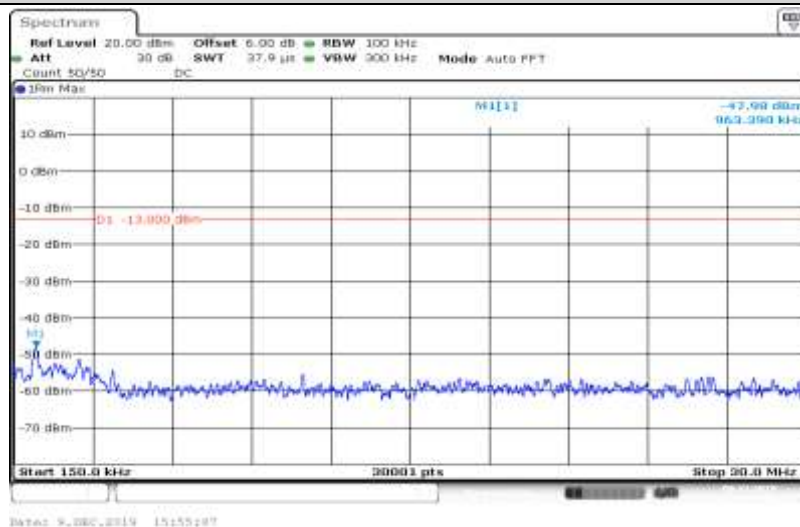
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Band V-4182-HSUPA_Sub1-0.15~30



Band V-4182-HSUPA_Sub2-0.15~30



Band V-4182-HSUPA_Sub3-0.15~30

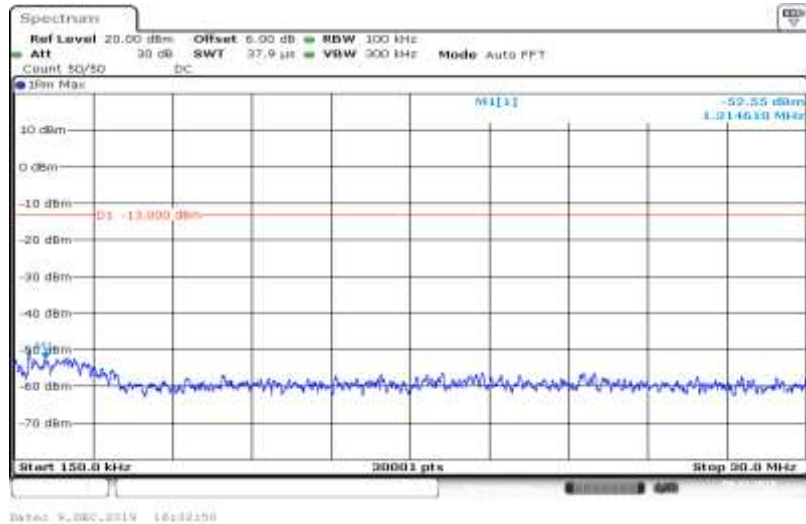
CTC Laboratories, Inc.

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

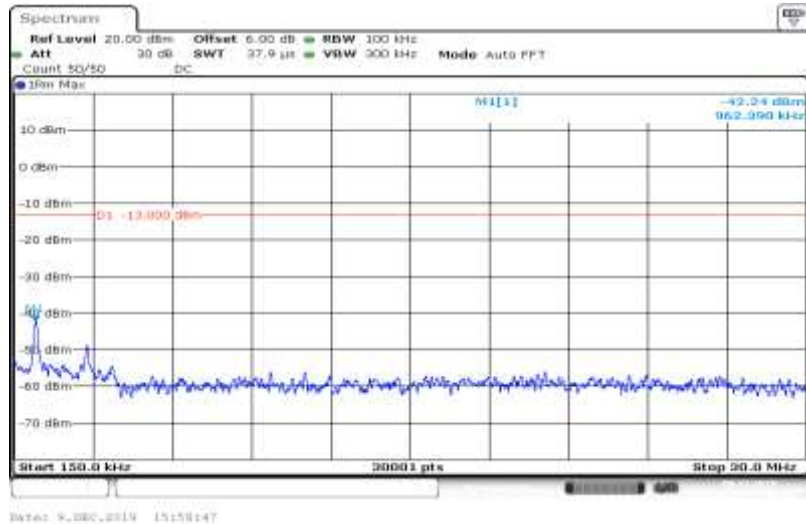
Tel.: (86)755-27521059

Fax: (86)755-27521011

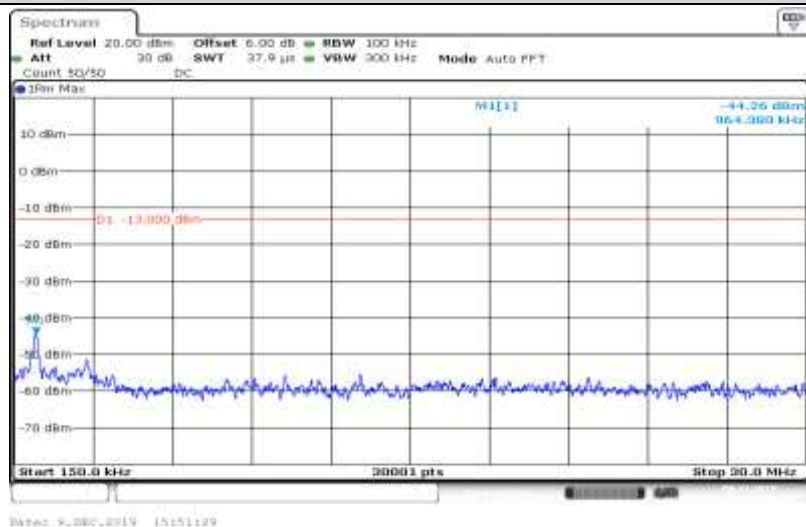
Http://www.sz-ctc.org.cn



Band V-4182-HSUPA_Sub4-0.15~30



Band V-4182-HSUPA_Sub5-0.15~30



Band V-4182-HSUPA_Sub1-30~1000

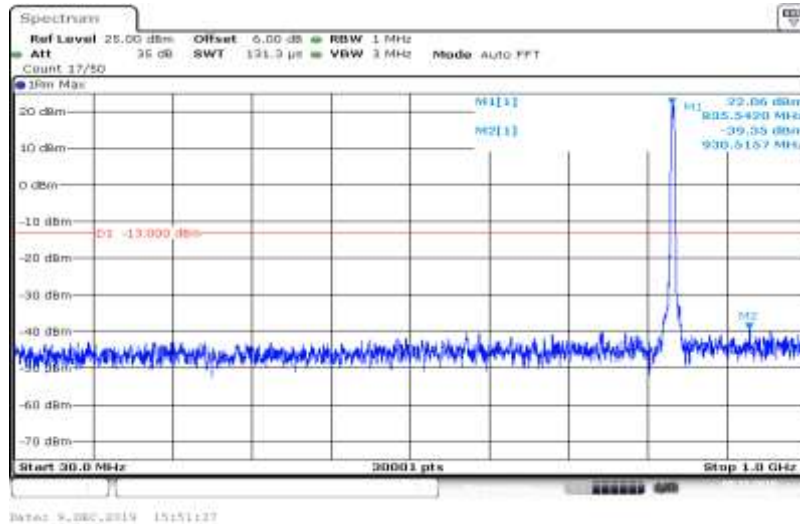
CTC Laboratories, Inc.

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

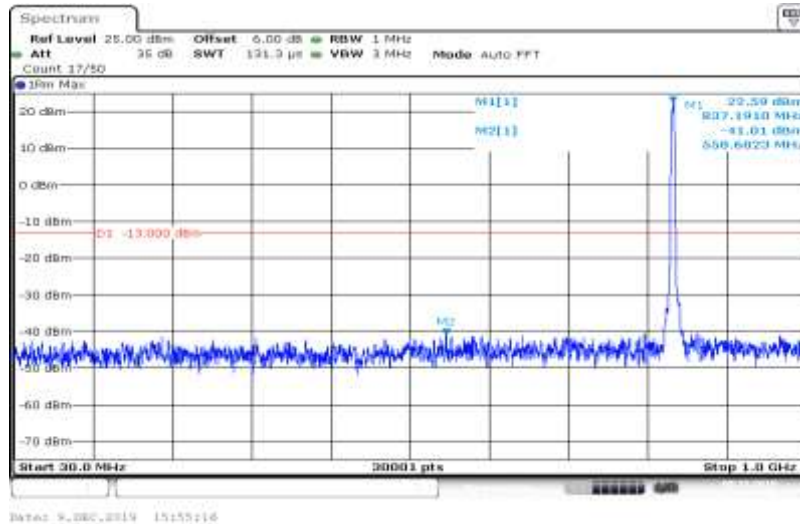
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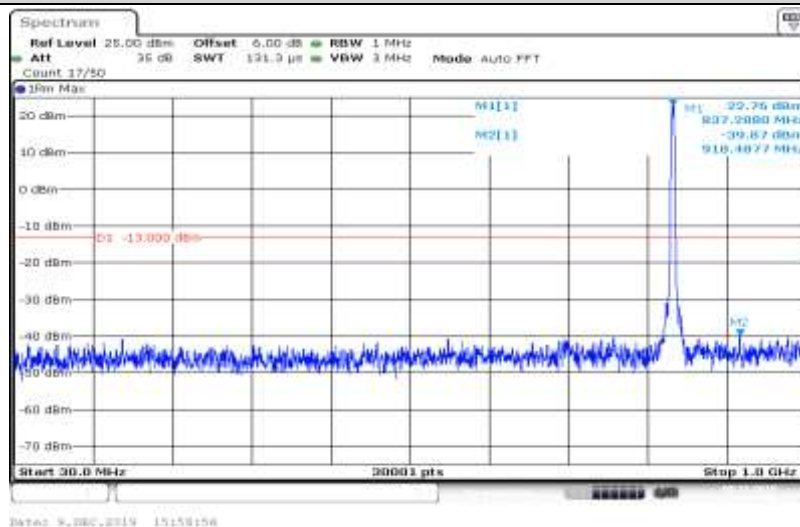
Http://www.sz-ctc.org.cn



Band V-4182-HSUPA_Sub2-30~1000



Band V-4182-HSUPA_Sub3-30~1000



Band V-4182-HSUPA_Sub4-30~1000

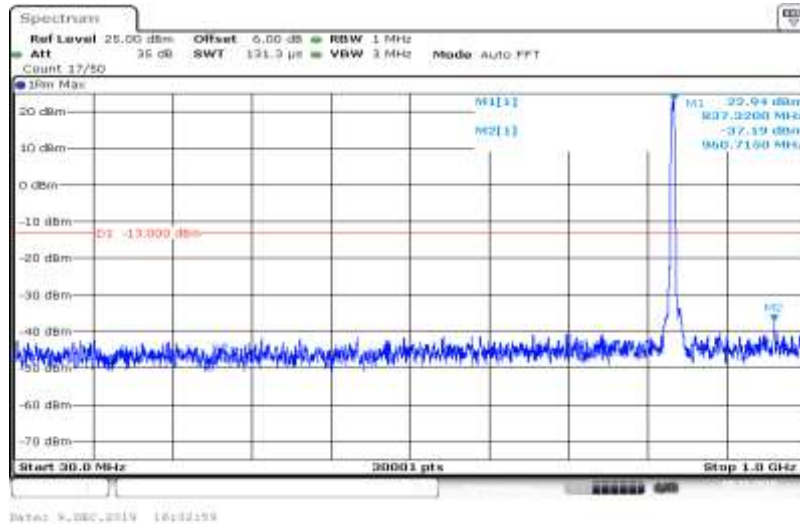
CTC Laboratories, Inc.

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

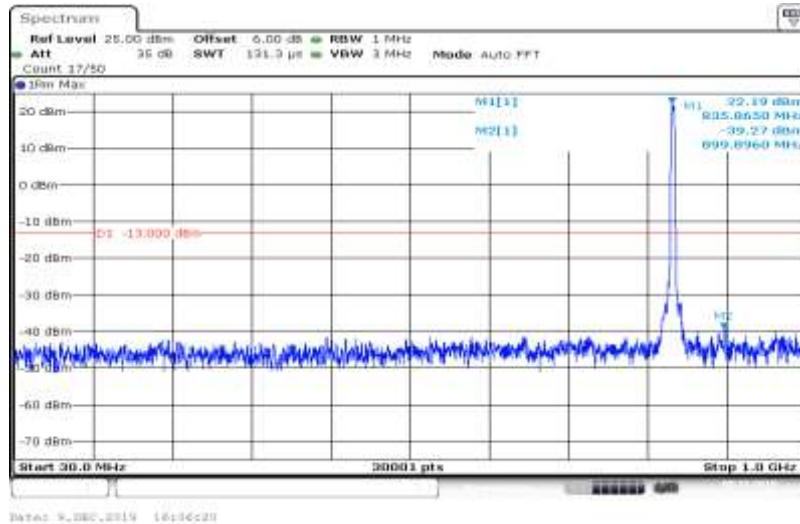
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Fax: (86)755-27521011

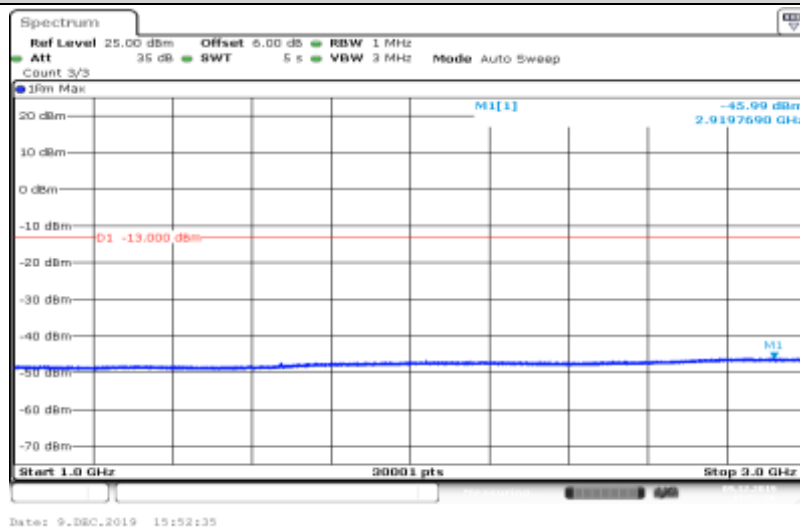
Http://www.sz-ctc.org.cn



Band V-4182-HSUPA_Sub5-30~1000



Band V-4182-HSUPA_Sub1-1000~3000



Band V-4182-HSUPA_Sub2-1000~3000

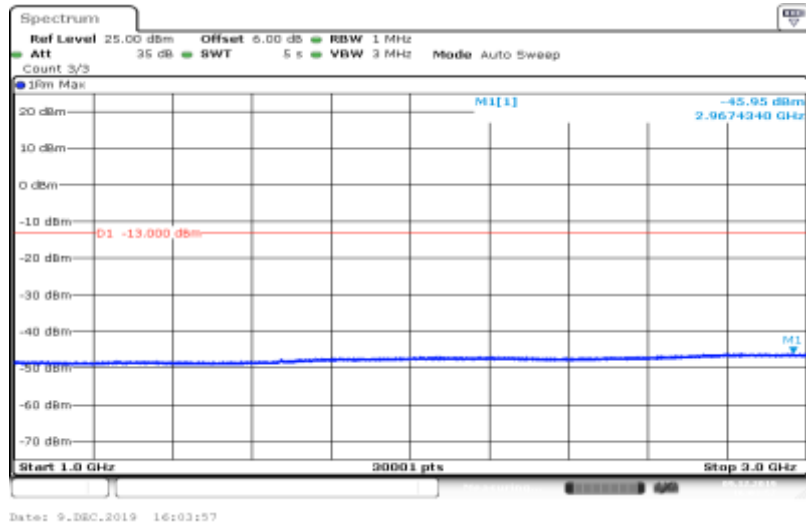
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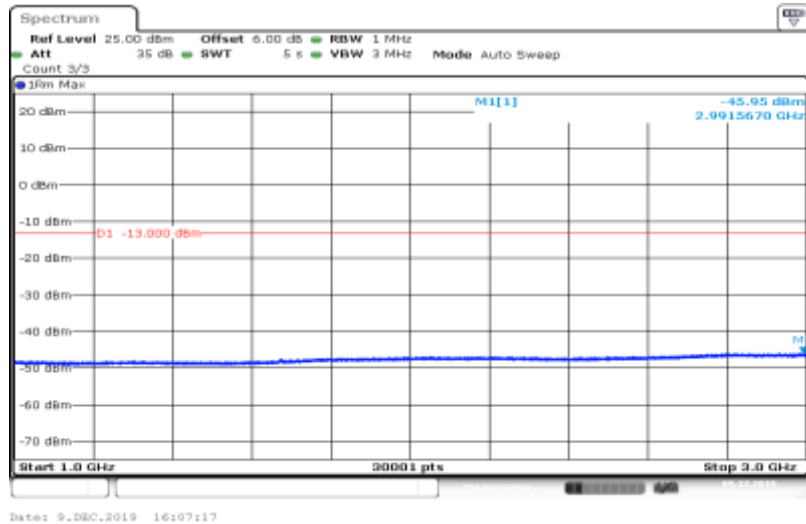
Tel.: (86)755-27521059

Fax: (86)755-27521011

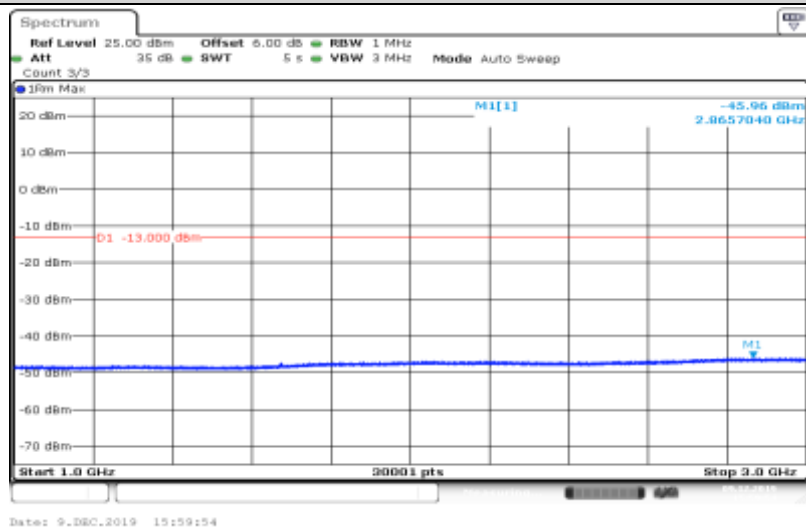
Http://www.sz-ctc.org.cn



Band V-4182-HSUPA_Sub3-1000~3000



Band V-4182-HSUPA_Sub4-1000~3000



Band V-4182-HSUPA_Sub5-1000~3000

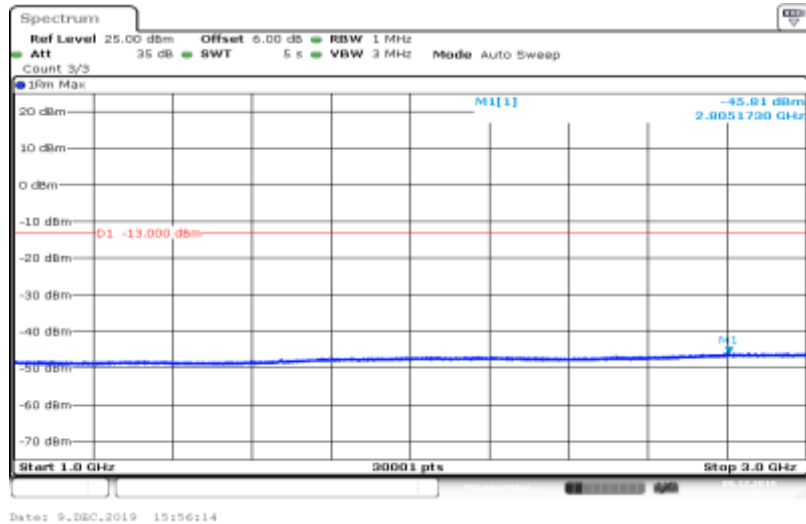
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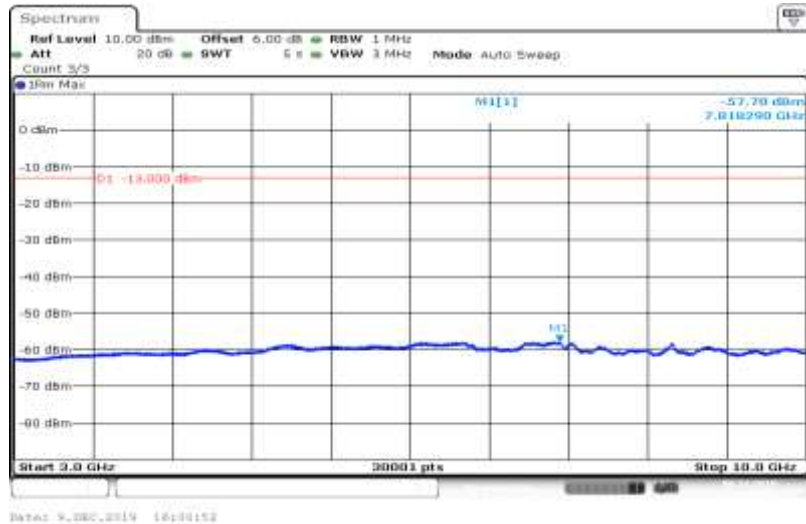
Tel.: (86)755-27521059

Fax: (86)755-27521011

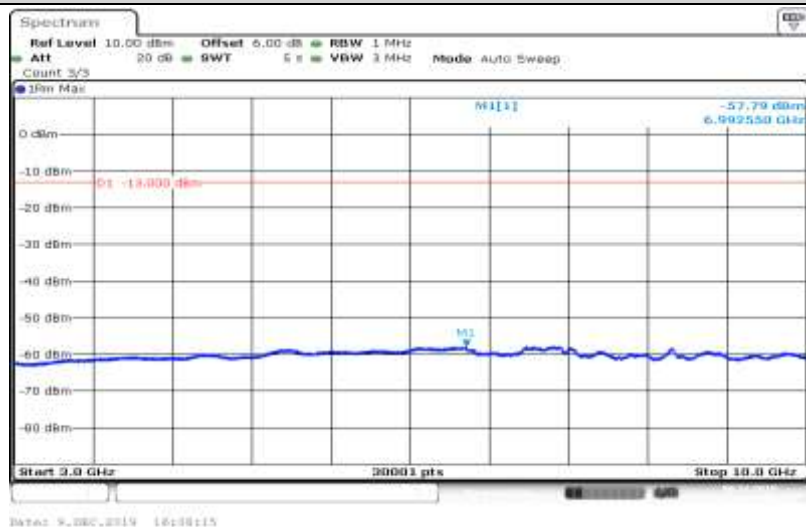
Http://www.sz-ctc.org.cn



Band V-4182-HSUPA_Sub1-3000~10000



Band V-4182-HSUPA_Sub2-3000~10000



Band V-4182-HSUPA_Sub3-3000~10000

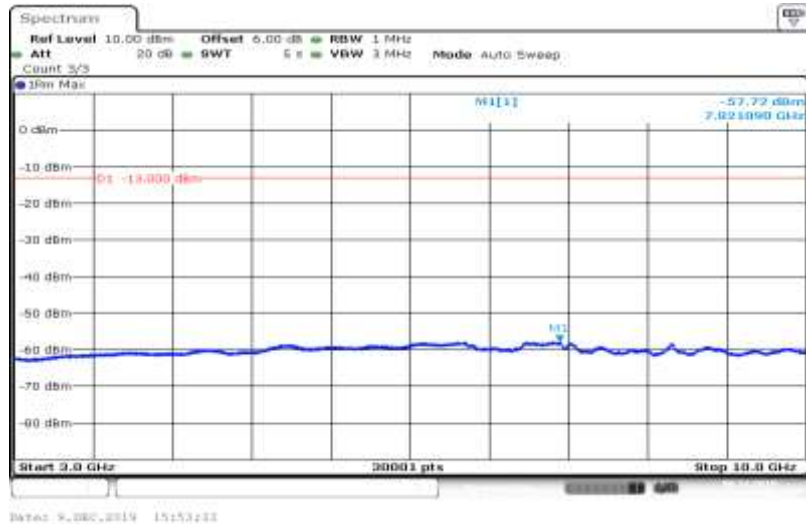
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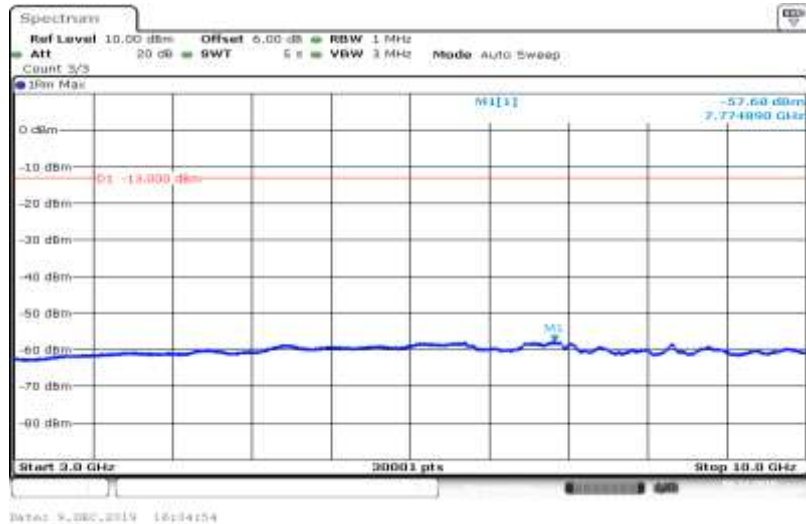
Tel.: (86)755-27521059

Fax: (86)755-27521011

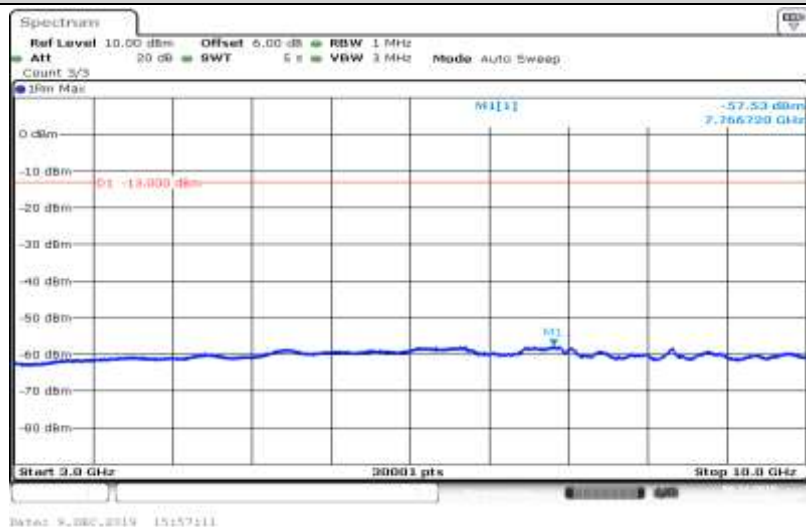
Http://www.sz-ctc.org.cn



Band V-4182-HSUPA_Sub4-3000~10000



Band V-4182-HSUPA_Sub5-3000~10000



Band V-4182-HSUPA_Sub1-10000~18000

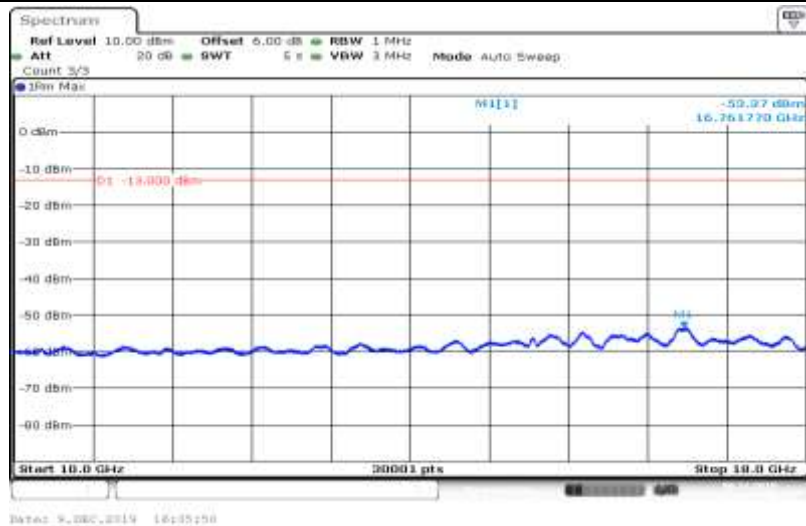
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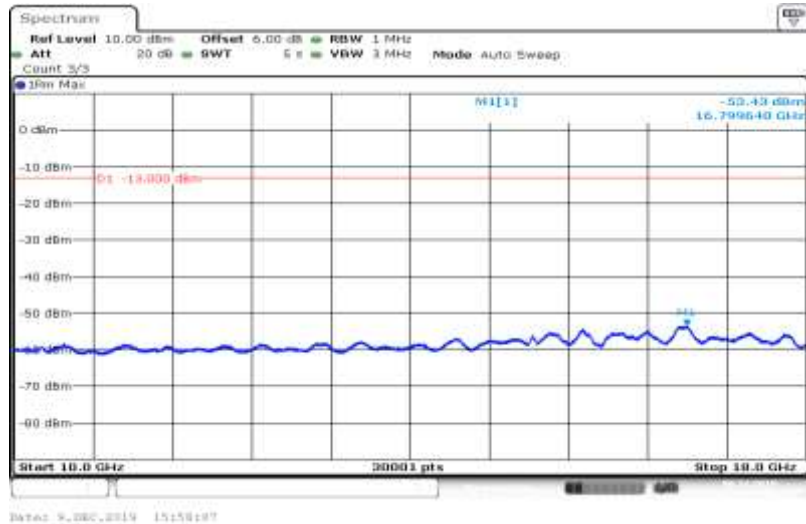
Tel.: (86)755-27521059

Fax: (86)755-27521011

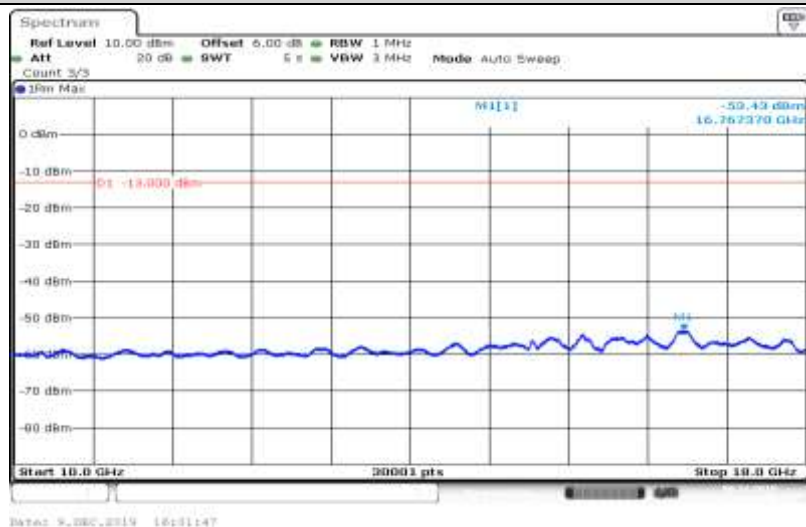
Http://www.sz-ctc.org.cn



Band V-4182-HSUPA_Sub2-10000~18000



Band V-4182-HSUPA_Sub3-10000~18000



Band V-4182-HSUPA_Sub4-10000~18000

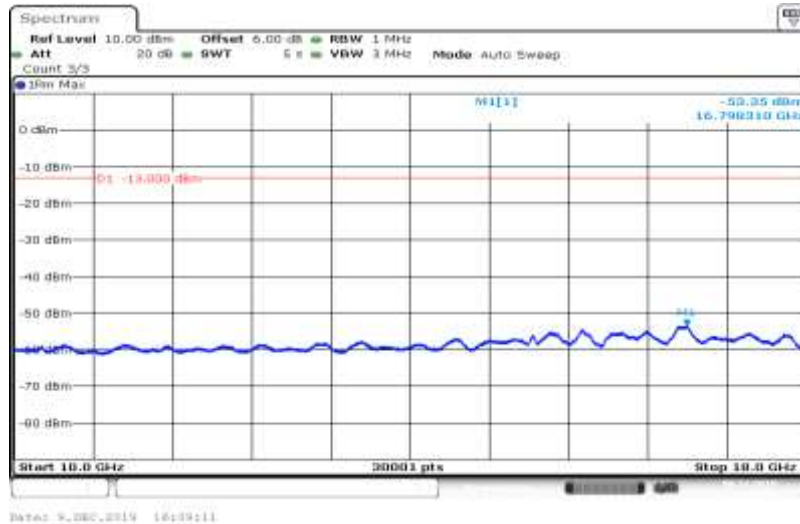
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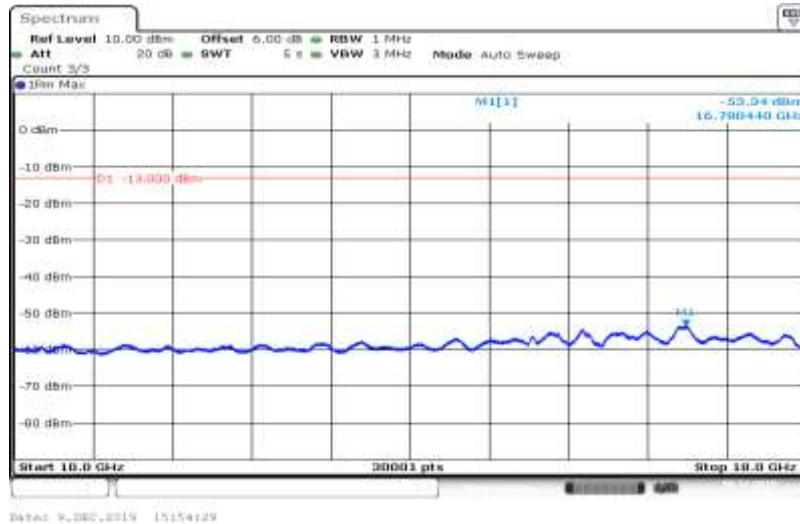
Tel.: (86)755-27521059

Fax: (86)755-27521011

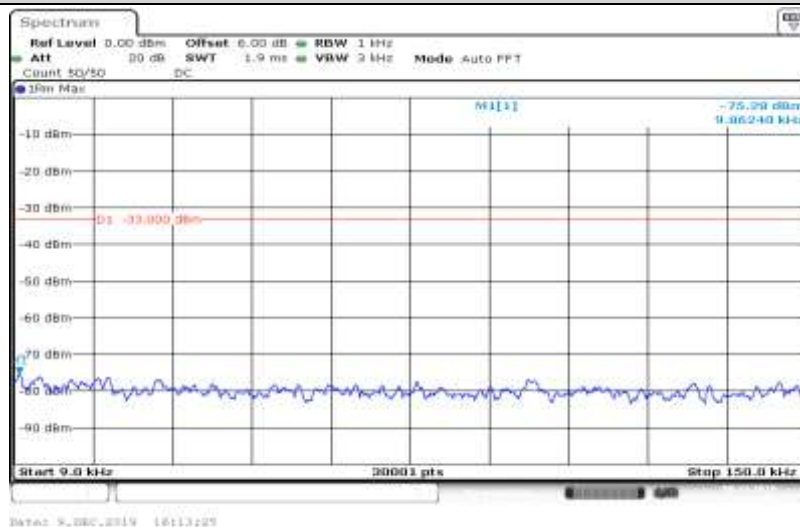
Http://www.sz-ctc.org.cn



Band V-4182-HSUPA_Sub5-10000~18000



Band V-4233-HSUPA_Sub1-0.009~0.15



Band V-4233-HSUPA_Sub2-0.009~0.15

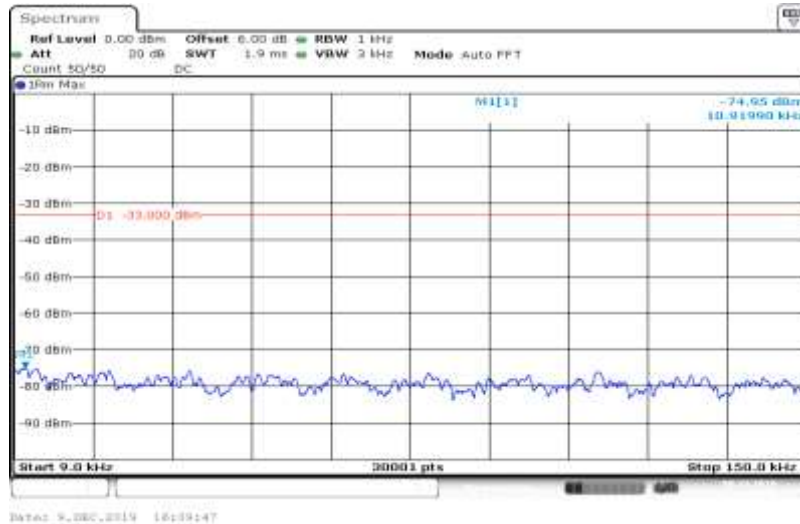
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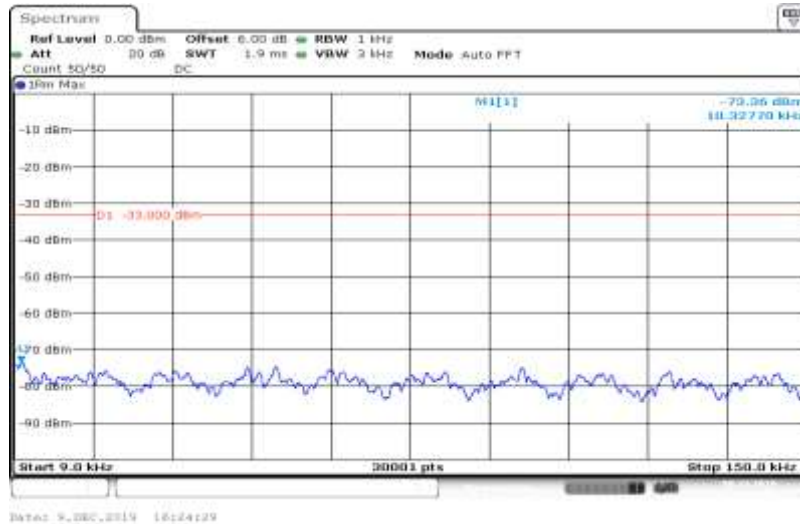
Tel.: (86)755-27521059

Fax: (86)755-27521011

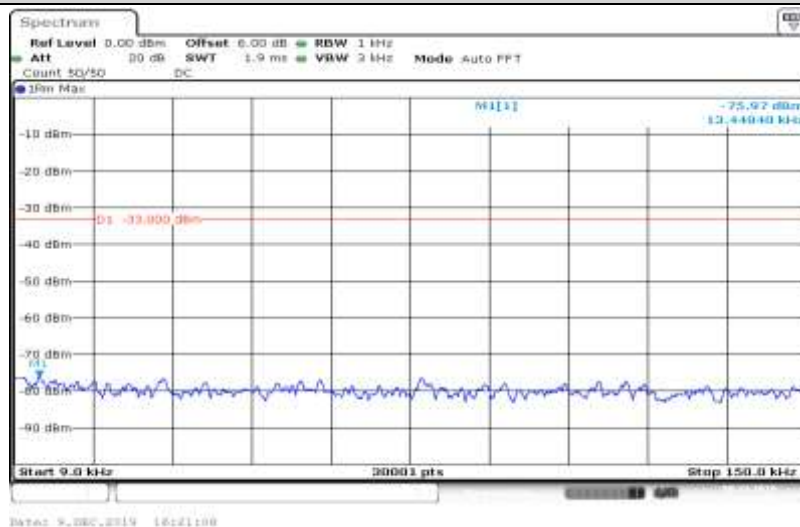
Http://www.sz-ctc.org.cn



Band V-4233-HSUPA_Sub3-0.009~0.15



Band V-4233-HSUPA_Sub4-0.009~0.15



Band V-4233-HSUPA_Sub5-0.009~0.15

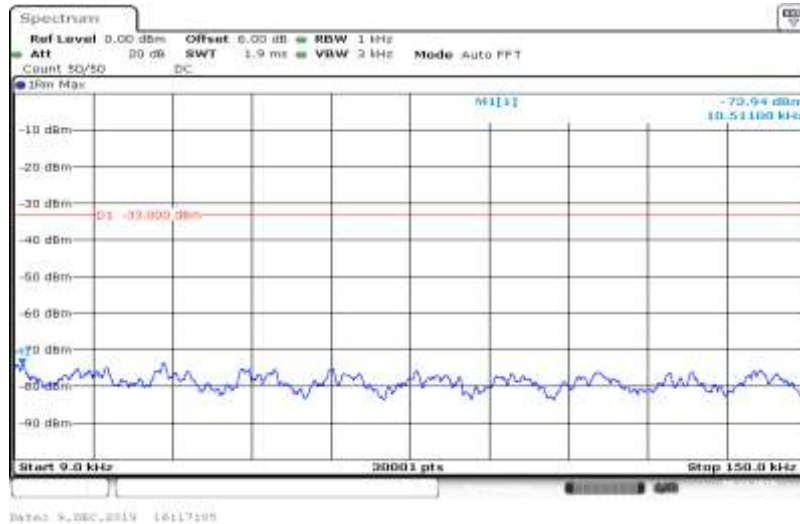
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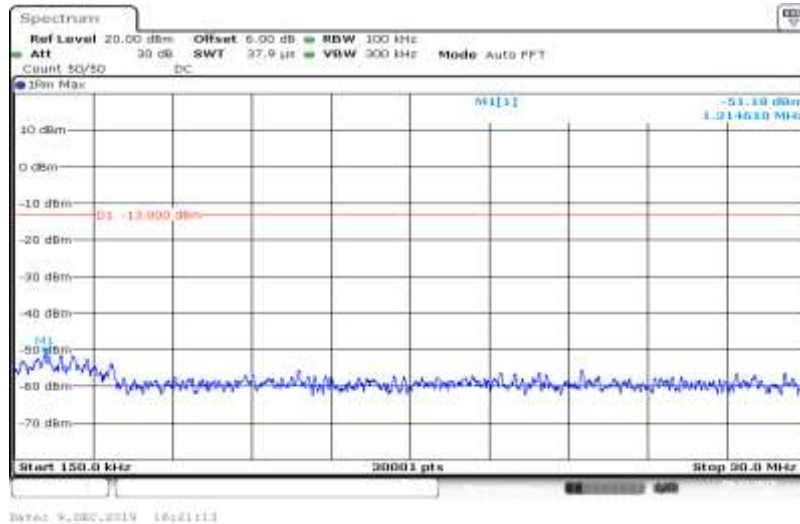
Tel.: (86)755-27521059

Fax: (86)755-27521011

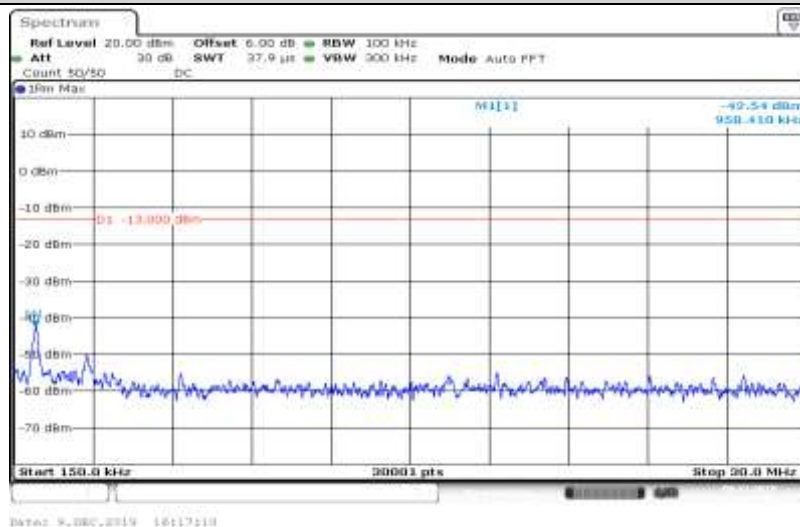
Http://www.sz-ctc.org.cn



Band V-4233-HSUPA_Sub1-0.15~30



Band V-4233-HSUPA_Sub2-0.15~30



Band V-4233-HSUPA_Sub3-0.15~30

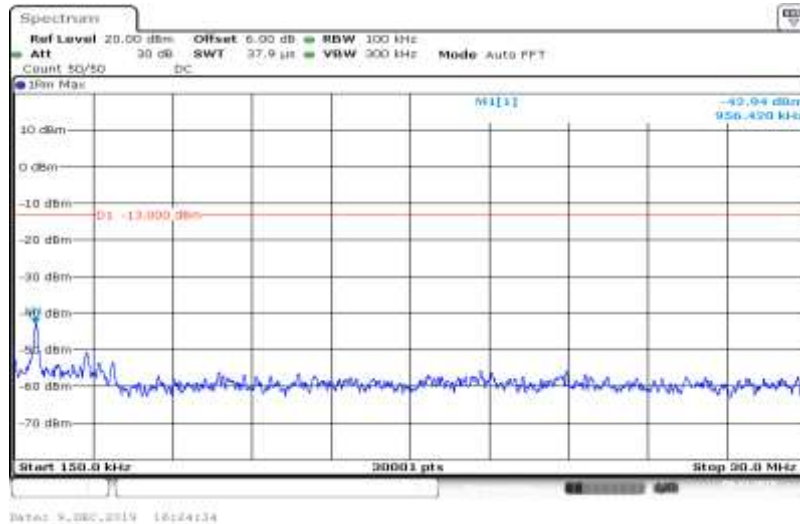
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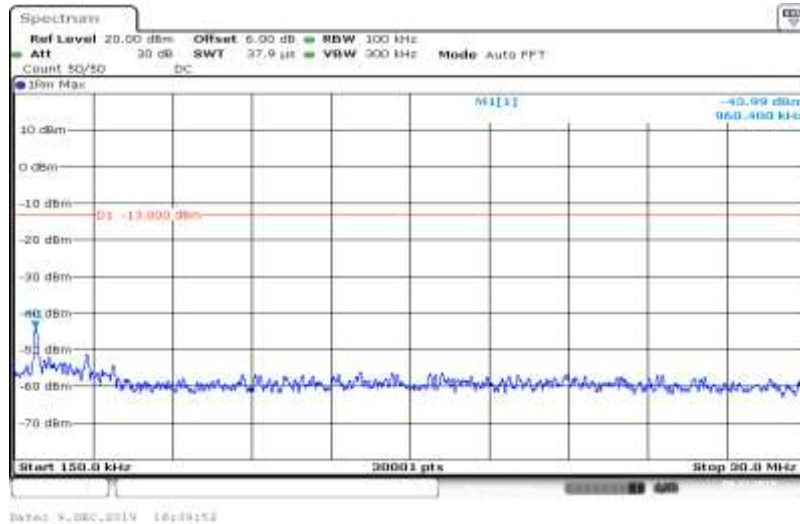
Tel.: (86)755-27521059

Fax: (86)755-27521011

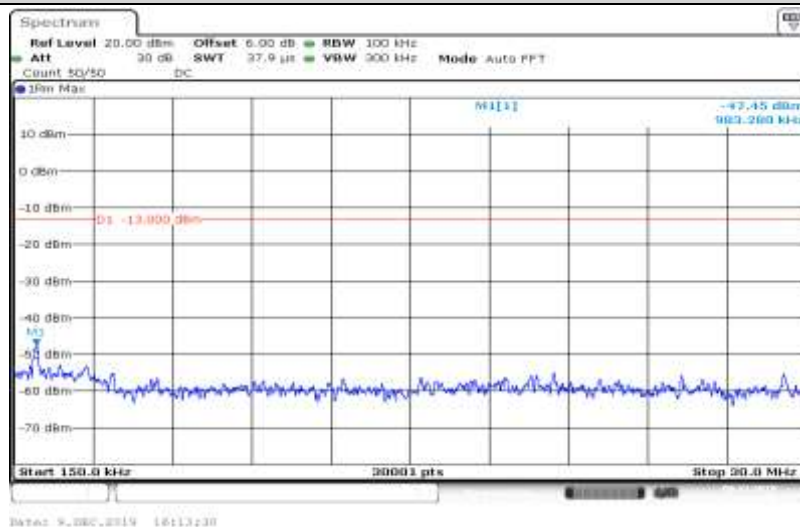
Http://www.sz-ctc.org.cn



Band V-4233-HSUPA_Sub4-0.15~30



Band V-4233-HSUPA_Sub5-0.15~30



Band V-4233-HSUPA_Sub1-30~1000

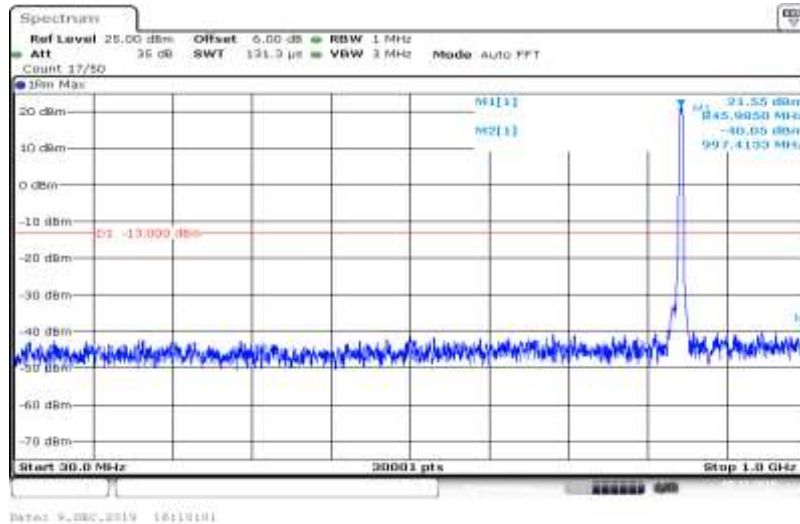
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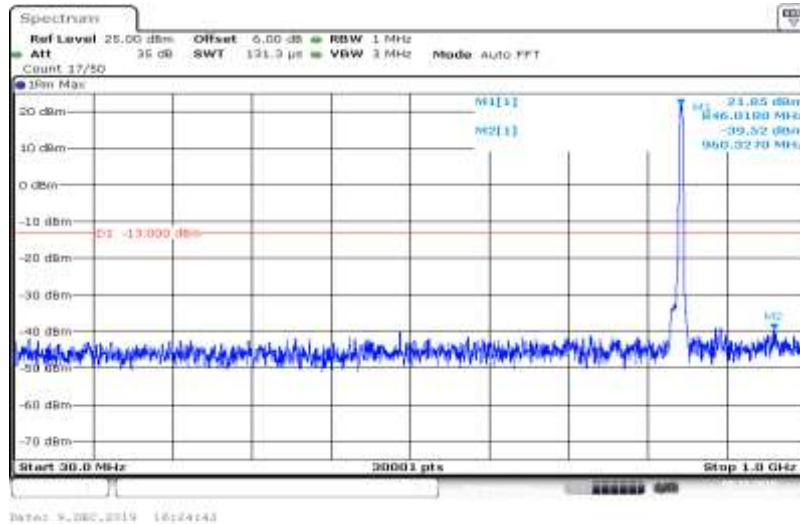
Tel.: (86)755-27521059

Fax: (86)755-27521011

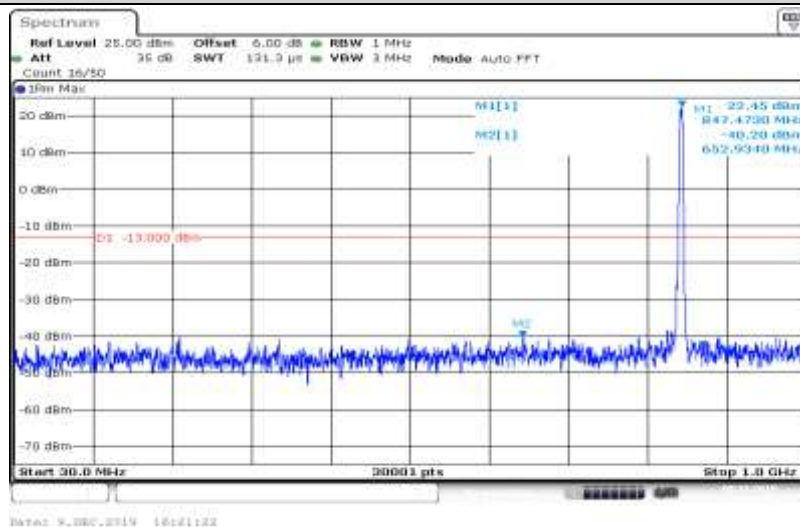
Http://www.sz-ctc.org.cn



Band V-4233-HSUPA_Sub2-30~1000



Band V-4233-HSUPA_Sub3-30~1000



Band V-4233-HSUPA_Sub4-30~1000

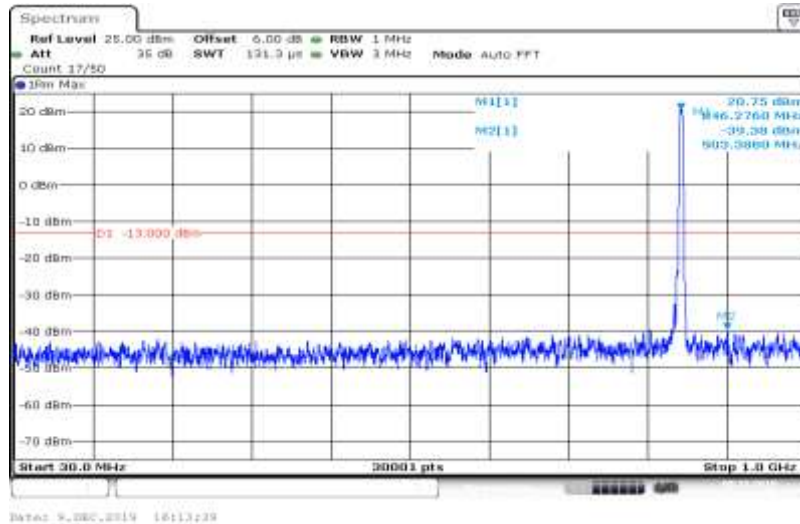
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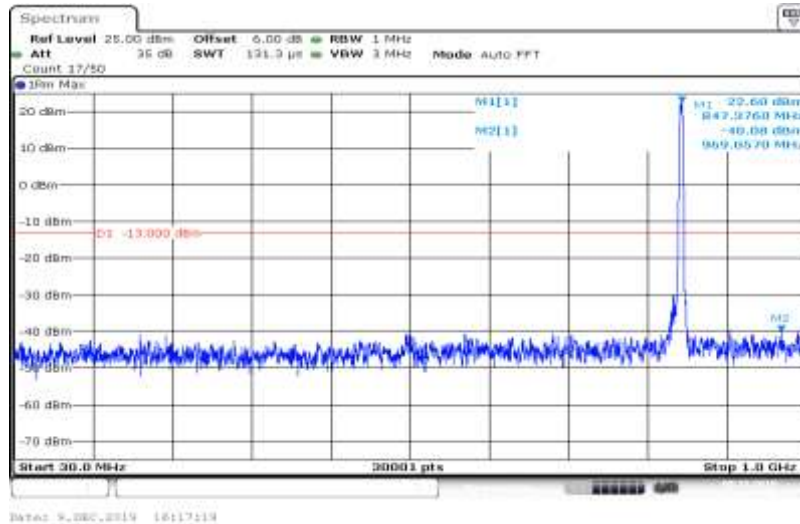
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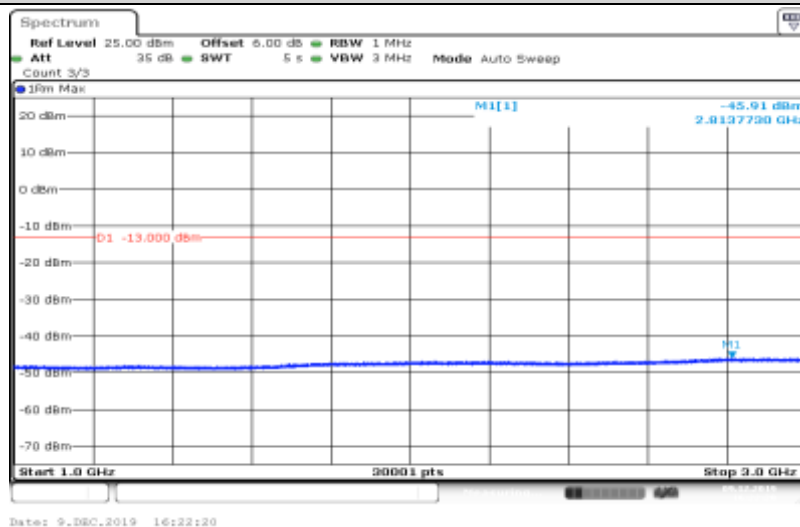
Http://www.sz-ctc.org.cn



Band V-4233-HSUPA_Sub5-30~1000



Band V-4233-HSUPA_Sub1-1000~3000



Band V-4233-HSUPA_Sub2-1000~3000

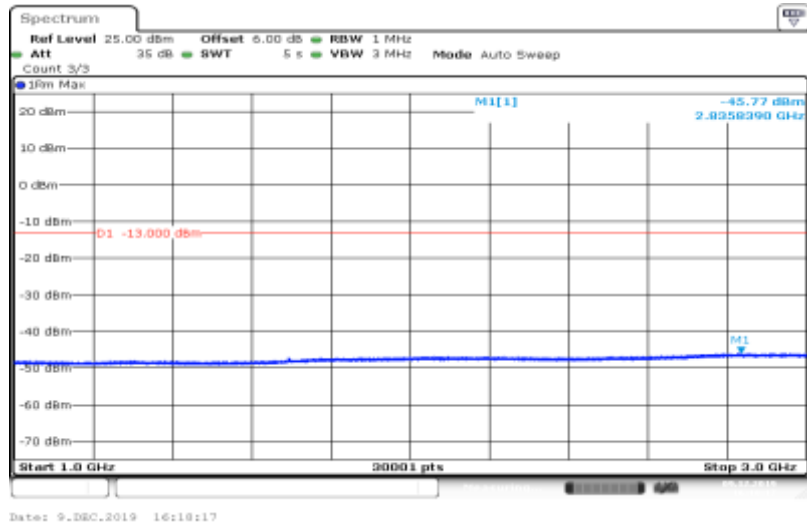
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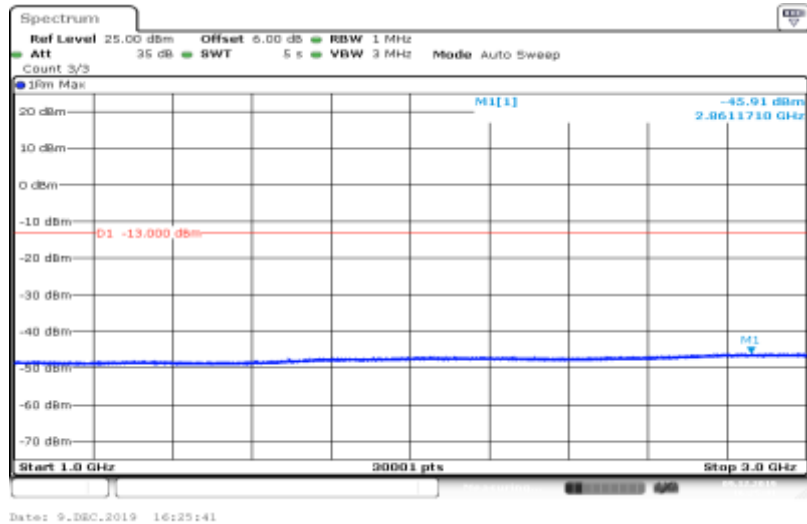
Tel.: (86)755-27521059

Fax: (86)755-27521011

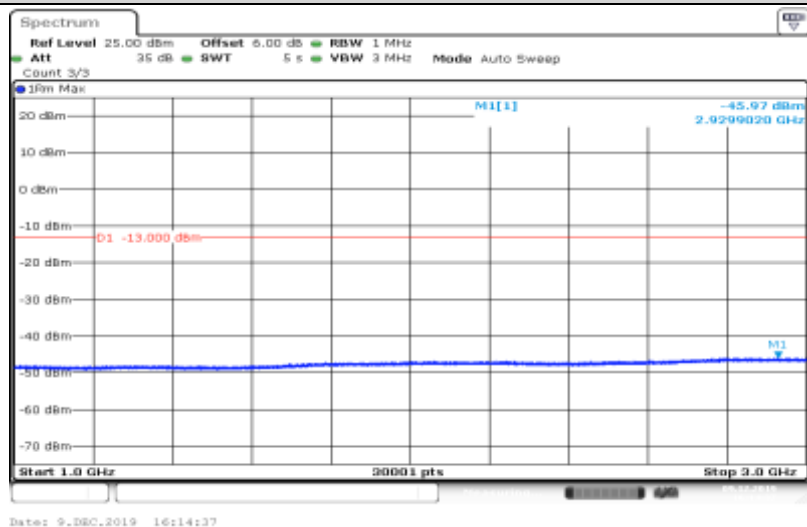
Http://www.sz-ctc.org.cn



Band V-4233-HSUPA_Sub3-1000~3000



Band V-4233-HSUPA_Sub4-1000~3000



Band V-4233-HSUPA_Sub5-1000~3000

CTC Laboratories, Inc.

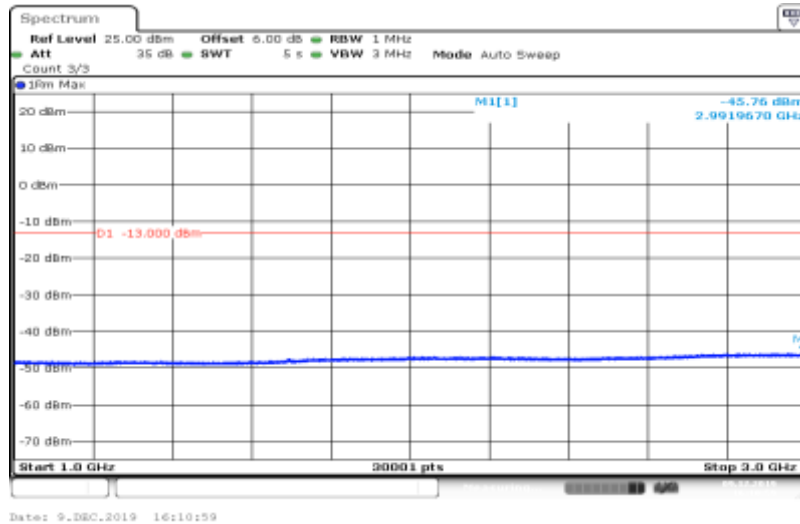
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Tel.: (86)755-27521059

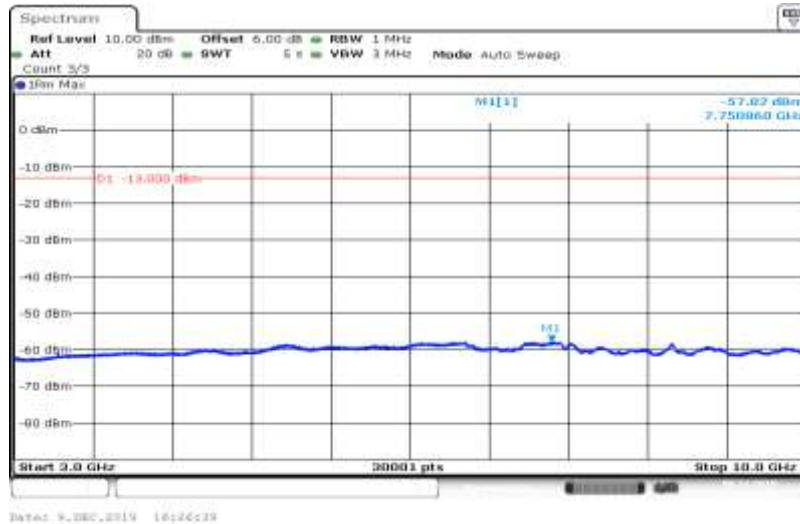
Fax: (86)755-27521011

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

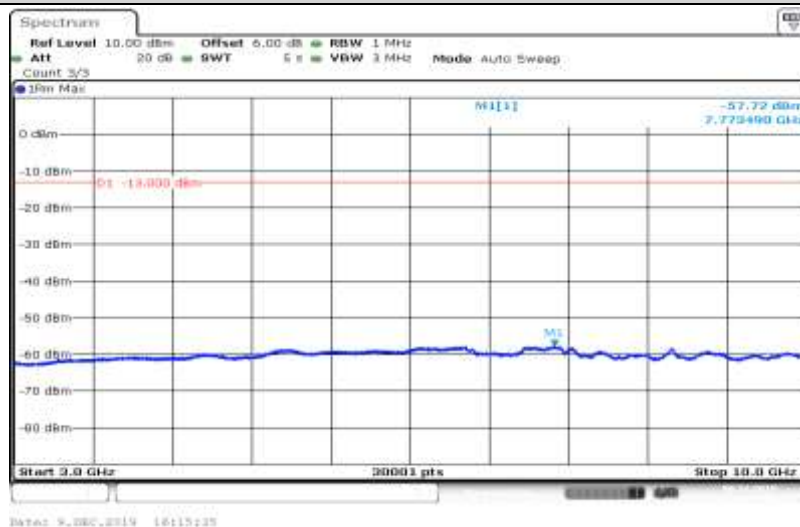
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Band V-4233-HSUPA_Sub1-3000~10000



Band V-4233-HSUPA_Sub2-3000~10000



Band V-4233-HSUPA_Sub3-3000~10000

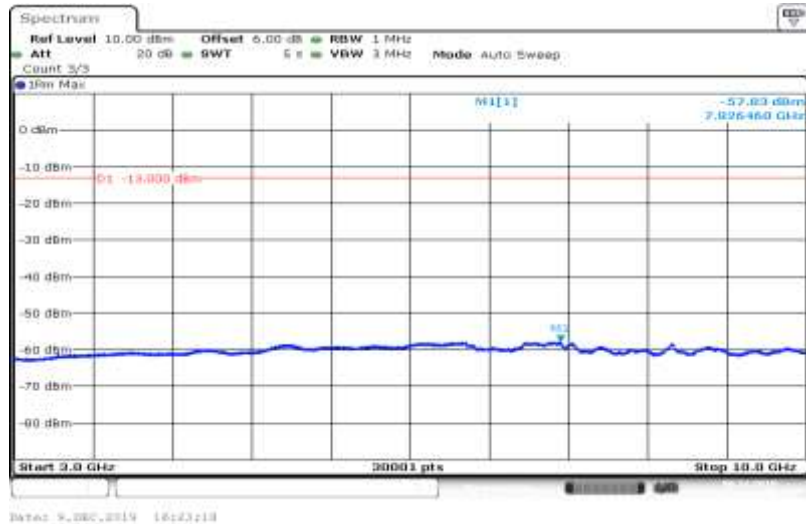
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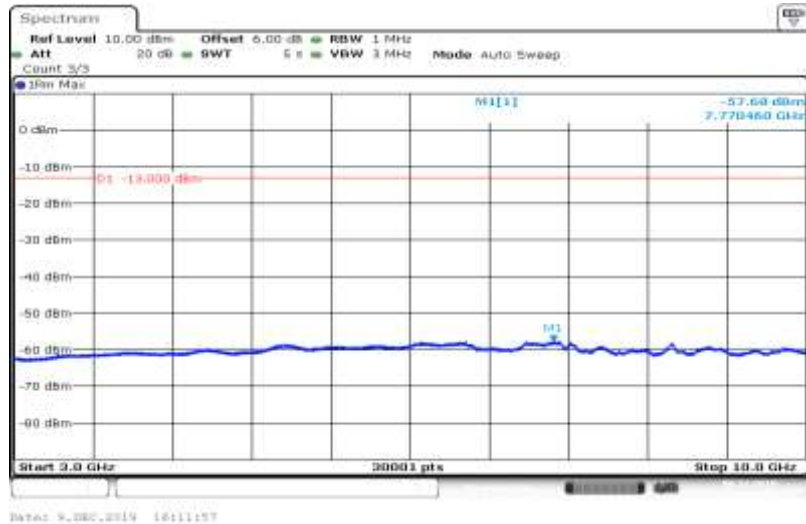
Tel.: (86)755-27521059

Fax: (86)755-27521011

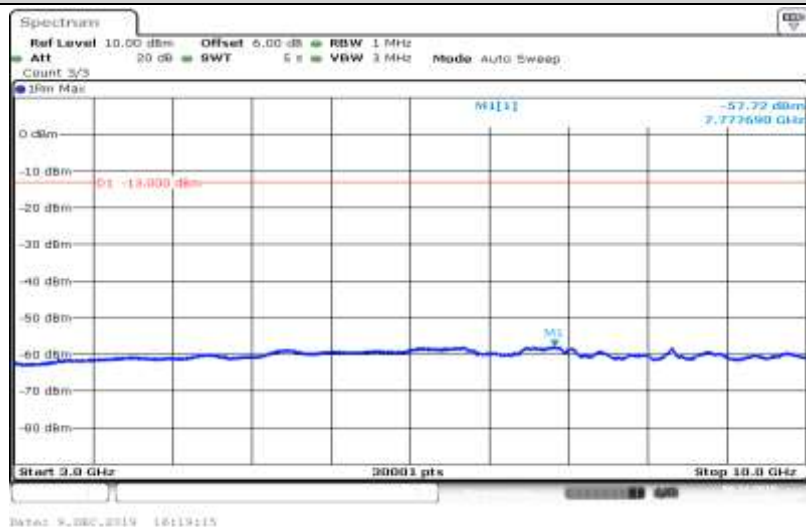
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Band V-4233-HSUPA_Sub4-3000~10000



Band V-4233-HSUPA_Sub5-3000~10000



Band V-4233-HSUPA_Sub1-10000~18000

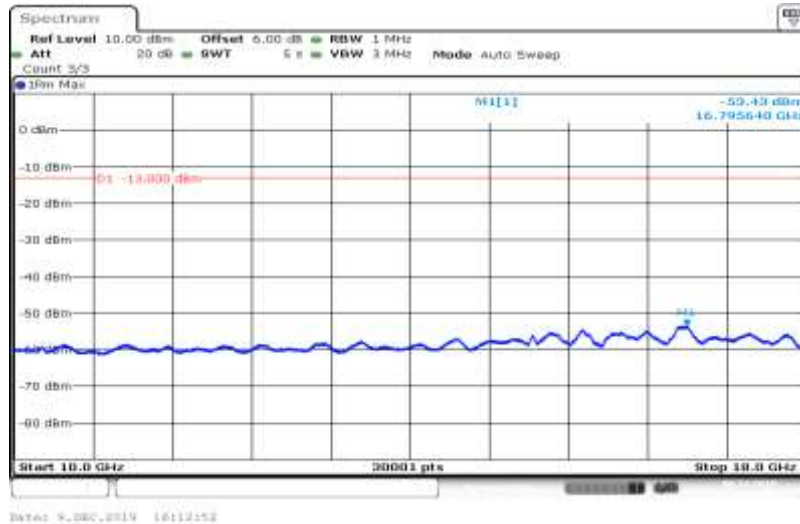
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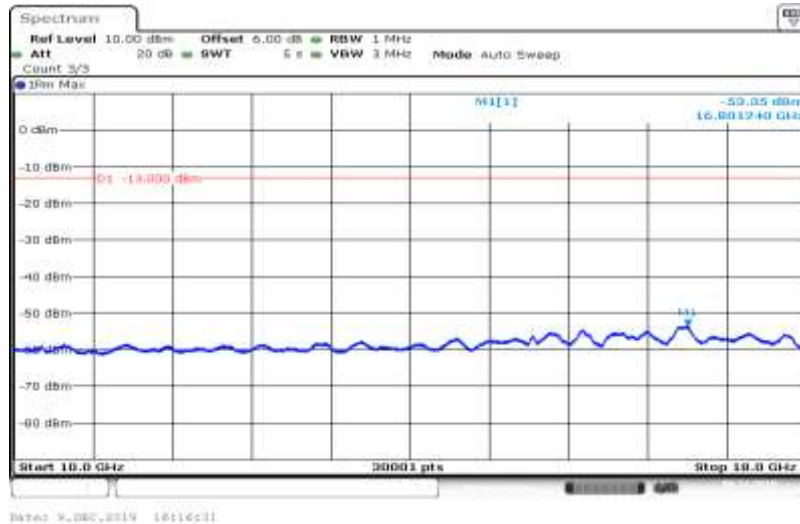
Tel.: (86)755-27521059

Fax: (86)755-27521011

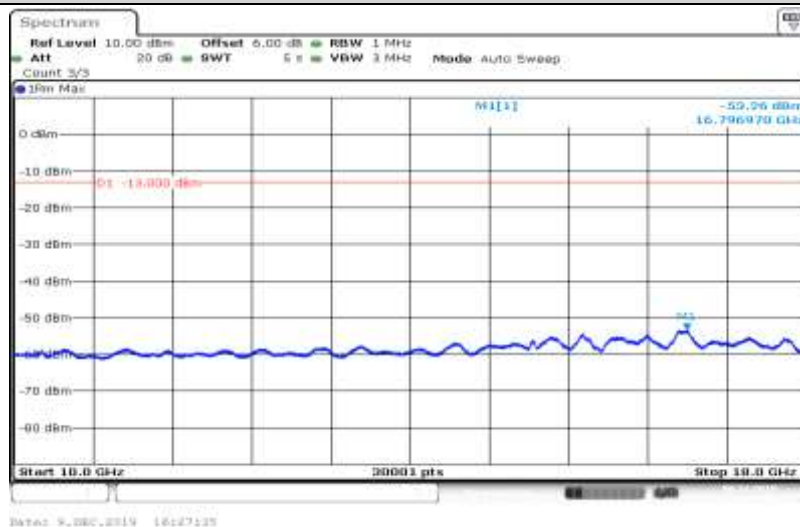
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Band V-4233-HSUPA_Sub2-10000~18000



Band V-4233-HSUPA_Sub3-10000~18000



Band V-4233-HSUPA_Sub4-10000~18000

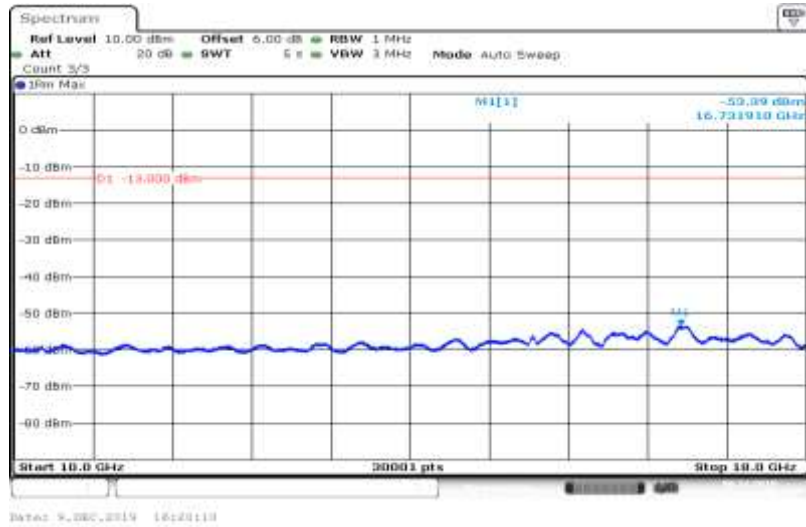
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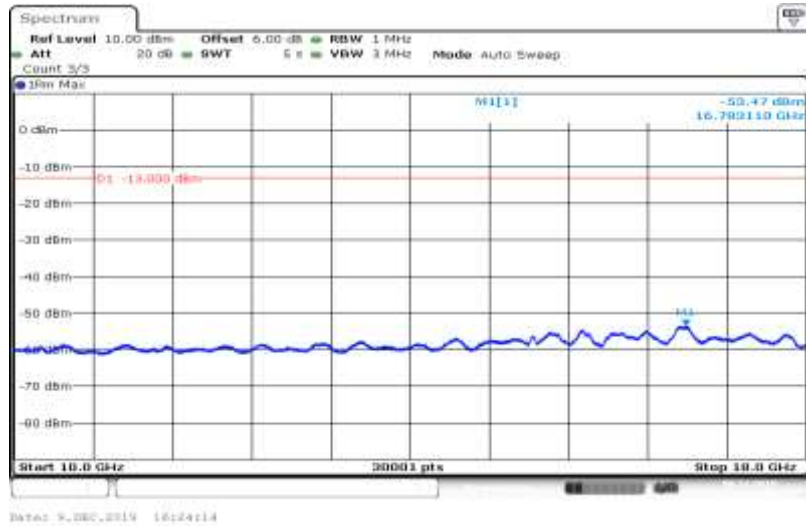
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Band V-4233-HSUPA_Sub5-10000~18000



Appendix F: Frequency Stability

Test Result

WCDMA:

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band V	4132	VL	TN	0.21	0.000260	2.5	PASS
Band V	4132	VN	TN	-1.19	-0.001437	2.5	PASS
Band V	4132	VH	TN	0.46	0.000554	2.5	PASS
Band V	4182	VL	TN	-0.58	-0.000693	2.5	PASS
Band V	4182	VN	TN	0.16	0.000188	2.5	PASS
Band V	4182	VH	TN	-0.47	-0.000564	2.5	PASS
Band V	4233	VL	TN	0.01	0.000008	2.5	PASS
Band V	4233	VN	TN	0.15	0.000177	2.5	PASS
Band V	4233	VH	TN	0.40	0.000473	2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band V	4132	VN	-30	0.89	0.001082	2.5	PASS
Band V	4132	VN	-20	0.92	0.001117	2.5	PASS
Band V	4132	VN	-10	1.21	0.001463	2.5	PASS
Band V	4132	VN	0	0.54	0.000649	2.5	PASS
Band V	4132	VN	10	1.04	0.001264	2.5	PASS
Band V	4132	VN	20	-0.40	-0.000485	2.5	PASS
Band V	4132	VN	30	0.83	0.001004	2.5	PASS
Band V	4132	VN	40	1.09	0.001324	2.5	PASS
Band V	4132	VN	50	0.62	0.000753	2.5	PASS
Band V	4182	VN	-30	0.06	0.000077	2.5	PASS
Band V	4182	VN	-20	0.62	0.000744	2.5	PASS
Band V	4182	VN	-10	0.44	0.000530	2.5	PASS
Band V	4182	VN	0	-0.27	-0.000325	2.5	PASS
Band V	4182	VN	10	0.13	0.000154	2.5	PASS
Band V	4182	VN	20	-0.62	-0.000735	2.5	PASS
Band V	4182	VN	30	-0.10	-0.000120	2.5	PASS
Band V	4182	VN	40	0.68	0.000812	2.5	PASS
Band V	4182	VN	50	0.34	0.000410	2.5	PASS
Band V	4233	VN	-30	-0.34	-0.000397	2.5	PASS
Band V	4233	VN	-20	-0.44	-0.000515	2.5	PASS

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Band V	4233	VN	-10	-0.34	-0.000406	2.5	PASS
Band V	4233	VN	0	-0.15	-0.000177	2.5	PASS
Band V	4233	VN	10	-0.35	-0.000414	2.5	PASS
Band V	4233	VN	20	-1.72	-0.002036	2.5	PASS
Band V	4233	VN	30	-1.05	-0.001242	2.5	PASS
Band V	4233	VN	40	-0.26	-0.000304	2.5	PASS
Band V	4233	VN	50	0.11	0.000127	2.5	PASS

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**HSDPA:**

Voltage								
Band	Channel	SubTest	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band V	4132	HSDPA_Sub1	VL	TN	67.66	0.081870	2.5	PASS
Band V	4132	HSDPA_Sub1	VN	TN	-71.08	-0.086006	2.5	PASS
Band V	4132	HSDPA_Sub1	VH	TN	-75.03	-0.090788	2.5	PASS
Band V	4132	HSDPA_Sub2	VL	TN	484.59	0.586385	2.5	PASS
Band V	4132	HSDPA_Sub2	VN	TN	426.33	0.515889	2.5	PASS
Band V	4132	HSDPA_Sub2	VH	TN	-323.24	-0.391145	2.5	PASS
Band V	4132	HSDPA_Sub3	VL	TN	-351.10	-0.424860	2.5	PASS
Band V	4132	HSDPA_Sub3	VN	TN	-155.59	-0.188279	2.5	PASS
Band V	4132	HSDPA_Sub3	VH	TN	-273.10	-0.330472	2.5	PASS
Band V	4132	HSDPA_Sub4	VL	TN	-167.22	-0.199930	2.5	PASS
Band V	4132	HSDPA_Sub4	VN	TN	-143.19	-0.171196	2.5	PASS
Band V	4132	HSDPA_Sub4	VH	TN	-130.37	-0.155872	2.5	PASS
Band V	4182	HSDPA_Sub1	VL	TN	-26.32	-0.031470	2.5	PASS
Band V	4182	HSDPA_Sub1	VN	TN	-168.27	-0.201188	2.5	PASS
Band V	4182	HSDPA_Sub1	VH	TN	-122.45	-0.146403	2.5	PASS
Band V	4182	HSDPA_Sub2	VL	TN	-2.99	-0.003576	2.5	PASS
Band V	4182	HSDPA_Sub2	VN	TN	-8.59	-0.010271	2.5	PASS
Band V	4182	HSDPA_Sub2	VH	TN	-23.28	-0.027839	2.5	PASS
Band V	4182	HSDPA_Sub3	VL	TN	-934.34	-1.117099	2.5	PASS
Band V	4182	HSDPA_Sub3	VN	TN	841.92	1.006598	2.5	PASS
Band V	4182	HSDPA_Sub3	VH	TN	-308.87	-0.369283	2.5	PASS
Band V	4182	HSDPA_Sub4	VL	TN	-2.15	-0.002574	2.5	PASS
Band V	4182	HSDPA_Sub4	VN	TN	48.37	0.057135	2.5	PASS
Band V	4182	HSDPA_Sub4	VH	TN	-6.41	-0.007570	2.5	PASS
Band V	4233	HSDPA_Sub1	VL	TN	-110.55	-0.130581	2.5	PASS
Band V	4233	HSDPA_Sub1	VN	TN	35.66	0.042121	2.5	PASS
Band V	4233	HSDPA_Sub1	VH	TN	77.04	0.091001	2.5	PASS
Band V	4233	HSDPA_Sub2	VL	TN	32.41	0.038282	2.5	PASS
Band V	4233	HSDPA_Sub2	VN	TN	151.96	0.179497	2.5	PASS
Band V	4233	HSDPA_Sub2	VH	TN	-110.38	-0.130383	2.5	PASS
Band V	4233	HSDPA_Sub3	VL	TN	150.39	0.179807	2.5	PASS
Band V	4233	HSDPA_Sub3	VN	TN	330.61	0.395280	2.5	PASS
Band V	4233	HSDPA_Sub3	VH	TN	404.36	0.483450	2.5	PASS
Band V	4233	HSDPA_Sub4	VL	TN	-170.24	-0.203542	2.5	PASS
Band V	4233	HSDPA_Sub4	VN	TN	-138.79	-0.165942	2.5	PASS
Band V	4233	HSDPA_Sub4	VH	TN	-106.80	-0.127686	2.5	PASS

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Temperature								
Band	Channel	SubTest	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band V	4132	HSDPA_Sub1	VN	-30	-11.90	-0.014402	2.5	PASS
Band V	4132	HSDPA_Sub1	VN	-20	-102.54	-0.124079	2.5	PASS
Band V	4132	HSDPA_Sub1	VN	-10	29.07	0.035174	2.5	PASS
Band V	4132	HSDPA_Sub1	VN	0	54.61	0.066083	2.5	PASS
Band V	4132	HSDPA_Sub1	VN	10	-31.98	-0.038701	2.5	PASS
Band V	4132	HSDPA_Sub1	VN	20	-3.49	-0.004228	2.5	PASS
Band V	4132	HSDPA_Sub1	VN	30	-12.16	-0.014716	2.5	PASS
Band V	4132	HSDPA_Sub1	VN	40	-13.96	-0.016895	2.5	PASS
Band V	4132	HSDPA_Sub1	VN	50	23.42	0.028342	2.5	PASS
Band V	4132	HSDPA_Sub2	VN	-30	25.27	0.030577	2.5	PASS
Band V	4132	HSDPA_Sub2	VN	-20	-225.54	-0.272919	2.5	PASS
Band V	4132	HSDPA_Sub2	VN	-10	-224.44	-0.271589	2.5	PASS
Band V	4132	HSDPA_Sub2	VN	0	-96.74	-0.117063	2.5	PASS
Band V	4132	HSDPA_Sub2	VN	10	-289.89	-0.350782	2.5	PASS
Band V	4132	HSDPA_Sub2	VN	20	0.73	0.000886	2.5	PASS
Band V	4132	HSDPA_Sub2	VN	30	-284.27	-0.343987	2.5	PASS
Band V	4132	HSDPA_Sub2	VN	40	18.68	0.022600	2.5	PASS
Band V	4132	HSDPA_Sub2	VN	50	401.96	0.486402	2.5	PASS
Band V	4132	HSDPA_Sub3	VN	-30	-258.87	-0.313245	2.5	PASS
Band V	4132	HSDPA_Sub3	VN	-20	-161.53	-0.195462	2.5	PASS
Band V	4132	HSDPA_Sub3	VN	-10	392.88	0.475415	2.5	PASS
Band V	4132	HSDPA_Sub3	VN	0	-159.45	-0.192951	2.5	PASS
Band V	4132	HSDPA_Sub3	VN	10	-431.17	-0.521742	2.5	PASS
Band V	4132	HSDPA_Sub3	VN	20	-453.00	-0.548164	2.5	PASS
Band V	4132	HSDPA_Sub3	VN	30	-416.23	-0.503666	2.5	PASS
Band V	4132	HSDPA_Sub3	VN	40	-617.11	-0.746746	2.5	PASS
Band V	4132	HSDPA_Sub3	VN	50	-113.39	-0.137207	2.5	PASS
Band V	4132	HSDPA_Sub4	VN	-30	-0.12	-0.000147	2.5	PASS
Band V	4132	HSDPA_Sub4	VN	-20	0.83	0.001004	2.5	PASS
Band V	4132	HSDPA_Sub4	VN	-10	1.66	0.002008	2.5	PASS
Band V	4132	HSDPA_Sub4	VN	0	1.77	0.002138	2.5	PASS
Band V	4132	HSDPA_Sub4	VN	10	2.05	0.002484	2.5	PASS
Band V	4132	HSDPA_Sub4	VN	20	2.53	0.003064	2.5	PASS
Band V	4132	HSDPA_Sub4	VN	30	1.94	0.002346	2.5	PASS

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Band V	4132	HSDPA_Sub4	VN	40	1.55	0.001878	2.5	PASS
Band V	4132	HSDPA_Sub4	VN	50	1.54	0.001869	2.5	PASS
Band V	4182	HSDPA_Sub1	VN	-30	-170.24	-0.203542	2.5	PASS
Band V	4182	HSDPA_Sub1	VN	-20	-138.79	-0.165942	2.5	PASS
Band V	4182	HSDPA_Sub1	VN	-10	-106.80	-0.127686	2.5	PASS
Band V	4182	HSDPA_Sub1	VN	0	-89.63	-0.107162	2.5	PASS
Band V	4182	HSDPA_Sub1	VN	10	-79.56	-0.095121	2.5	PASS
Band V	4182	HSDPA_Sub1	VN	20	-167.22	-0.199930	2.5	PASS
Band V	4182	HSDPA_Sub1	VN	30	-143.19	-0.171196	2.5	PASS
Band V	4182	HSDPA_Sub1	VN	40	-130.37	-0.155872	2.5	PASS
Band V	4182	HSDPA_Sub1	VN	50	-70.43	-0.084212	2.5	PASS
Band V	4182	HSDPA_Sub2	VN	-30	-60.91	-0.072828	2.5	PASS
Band V	4182	HSDPA_Sub2	VN	-20	-49.33	-0.058981	2.5	PASS
Band V	4182	HSDPA_Sub2	VN	-10	127.03	0.151876	2.5	PASS
Band V	4182	HSDPA_Sub2	VN	0	-41.06	-0.049093	2.5	PASS
Band V	4182	HSDPA_Sub2	VN	10	-0.93	-0.001113	2.5	PASS
Band V	4182	HSDPA_Sub2	VN	20	-2.66	-0.003174	2.5	PASS
Band V	4182	HSDPA_Sub2	VN	30	129.27	0.154558	2.5	PASS
Band V	4182	HSDPA_Sub2	VN	40	29.62	0.035410	2.5	PASS
Band V	4182	HSDPA_Sub2	VN	50	39.25	0.046922	2.5	PASS
Band V	4182	HSDPA_Sub3	VN	-30	661.21	0.790542	2.5	PASS
Band V	4182	HSDPA_Sub3	VN	-20	7.10	0.008483	2.5	PASS
Band V	4182	HSDPA_Sub3	VN	-10	-364.26	-0.435507	2.5	PASS
Band V	4182	HSDPA_Sub3	VN	0	150.39	0.179807	2.5	PASS
Band V	4182	HSDPA_Sub3	VN	10	330.61	0.395280	2.5	PASS
Band V	4182	HSDPA_Sub3	VN	20	404.36	0.483450	2.5	PASS
Band V	4182	HSDPA_Sub3	VN	30	-23.80	-0.028460	2.5	PASS
Band V	4182	HSDPA_Sub3	VN	40	650.30	0.777498	2.5	PASS
Band V	4182	HSDPA_Sub3	VN	50	-213.23	-0.254933	2.5	PASS
Band V	4182	HSDPA_Sub4	VN	-30	1.08	0.001291	2.5	PASS
Band V	4182	HSDPA_Sub4	VN	-20	0.12	0.000145	2.5	PASS
Band V	4182	HSDPA_Sub4	VN	-10	0.90	0.001078	2.5	PASS
Band V	4182	HSDPA_Sub4	VN	0	0.27	0.000325	2.5	PASS
Band V	4182	HSDPA_Sub4	VN	10	-0.11	-0.000137	2.5	PASS
Band V	4182	HSDPA_Sub4	VN	20	0.47	0.000564	2.5	PASS
Band V	4182	HSDPA_Sub4	VN	30	-1.20	-0.001437	2.5	PASS
Band V	4182	HSDPA_Sub4	VN	40	-1.31	-0.001565	2.5	PASS
Band V	4182	HSDPA_Sub4	VN	50	-2.15	-0.002574	2.5	PASS
Band V	4233	HSDPA_Sub1	VN	-30	48.37	0.057135	2.5	PASS

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Band V	4233	HSDPA_Sub1	VN	-20	-6.41	-0.007570	2.5	PASS
Band V	4233	HSDPA_Sub1	VN	-10	35.11	0.041472	2.5	PASS
Band V	4233	HSDPA_Sub1	VN	0	-8.36	-0.009877	2.5	PASS
Band V	4233	HSDPA_Sub1	VN	10	-60.49	-0.071446	2.5	PASS
Band V	4233	HSDPA_Sub1	VN	20	-29.53	-0.034876	2.5	PASS
Band V	4233	HSDPA_Sub1	VN	30	60.20	0.071103	2.5	PASS
Band V	4233	HSDPA_Sub1	VN	40	52.08	0.061515	2.5	PASS
Band V	4233	HSDPA_Sub1	VN	50	12.86	0.015194	2.5	PASS
Band V	4233	HSDPA_Sub2	VN	-30	36.16	0.042716	2.5	PASS
Band V	4233	HSDPA_Sub2	VN	-20	-204.88	-0.242003	2.5	PASS
Band V	4233	HSDPA_Sub2	VN	-10	171.52	0.202603	2.5	PASS
Band V	4233	HSDPA_Sub2	VN	0	114.69	0.135466	2.5	PASS
Band V	4233	HSDPA_Sub2	VN	10	114.67	0.135447	2.5	PASS
Band V	4233	HSDPA_Sub2	VN	20	-44.27	-0.052286	2.5	PASS
Band V	4233	HSDPA_Sub2	VN	30	72.07	0.085126	2.5	PASS
Band V	4233	HSDPA_Sub2	VN	40	-50.03	-0.059099	2.5	PASS
Band V	4233	HSDPA_Sub2	VN	50	114.40	0.135123	2.5	PASS
Band V	4233	HSDPA_Sub3	VN	-30	-1.49	-0.001766	2.5	PASS
Band V	4233	HSDPA_Sub3	VN	-20	-2.12	-0.002501	2.5	PASS
Band V	4233	HSDPA_Sub3	VN	-10	-1.47	-0.001740	2.5	PASS
Band V	4233	HSDPA_Sub3	VN	0	-2.98	-0.003515	2.5	PASS
Band V	4233	HSDPA_Sub3	VN	10	-2.14	-0.002526	2.5	PASS
Band V	4233	HSDPA_Sub3	VN	20	-2.25	-0.002661	2.5	PASS
Band V	4233	HSDPA_Sub3	VN	30	-1.69	-0.001994	2.5	PASS
Band V	4233	HSDPA_Sub3	VN	40	-2.55	-0.003016	2.5	PASS
Band V	4233	HSDPA_Sub3	VN	50	-1.92	-0.002264	2.5	PASS
Band V	4233	HSDPA_Sub4	VN	-30	-1.54	-0.001816	2.5	PASS
Band V	4233	HSDPA_Sub4	VN	-20	-0.88	-0.001039	2.5	PASS
Band V	4233	HSDPA_Sub4	VN	-10	-2.91	-0.003439	2.5	PASS
Band V	4233	HSDPA_Sub4	VN	0	-3.38	-0.003988	2.5	PASS
Band V	4233	HSDPA_Sub4	VN	10	-0.86	-0.001014	2.5	PASS
Band V	4233	HSDPA_Sub4	VN	20	-2.27	-0.002687	2.5	PASS
Band V	4233	HSDPA_Sub4	VN	30	-0.95	-0.001124	2.5	PASS
Band V	4233	HSDPA_Sub4	VN	40	-0.66	-0.000777	2.5	PASS
Band V	4233	HSDPA_Sub4	VN	50	-2.50	-0.002949	2.5	PASS

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**HSUPA:**

Voltage								
Band	Channel	SubTest	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band V	4132	HSUPA_Sub1	VL	TN	-34.16	-0.041341	2.5	PASS
Band V	4132	HSUPA_Sub1	VN	TN	68.16	0.082479	2.5	PASS
Band V	4132	HSUPA_Sub1	VH	TN	34.76	0.042061	2.5	PASS
Band V	4132	HSUPA_Sub2	VL	TN	-36.90	-0.044646	2.5	PASS
Band V	4132	HSUPA_Sub2	VN	TN	1580.32	1.912297	2.5	PASS
Band V	4132	HSUPA_Sub2	VH	TN	-37.45	-0.045311	2.5	PASS
Band V	4132	HSUPA_Sub3	VL	TN	-1199.39	-1.451340	2.5	PASS
Band V	4132	HSUPA_Sub3	VN	TN	-260.44	-0.315146	2.5	PASS
Band V	4132	HSUPA_Sub3	VH	TN	63.89	0.077309	2.5	PASS
Band V	4132	HSUPA_Sub4	VL	TN	32.75	0.039624	2.5	PASS
Band V	4132	HSUPA_Sub4	VN	TN	-19.96	-0.024151	2.5	PASS
Band V	4132	HSUPA_Sub4	VH	TN	21.29	0.025758	2.5	PASS
Band V	4132	HSUPA_Sub5	VL	TN	-385.41	-0.466368	2.5	PASS
Band V	4132	HSUPA_Sub5	VN	TN	109.66	0.132702	2.5	PASS
Band V	4132	HSUPA_Sub5	VH	TN	-128.14	-0.155062	2.5	PASS
Band V	4182	HSUPA_Sub1	VL	TN	-6.81	-0.008137	2.5	PASS
Band V	4182	HSUPA_Sub1	VN	TN	52.98	0.063341	2.5	PASS
Band V	4182	HSUPA_Sub1	VH	TN	-45.23	-0.054073	2.5	PASS
Band V	4182	HSUPA_Sub2	VL	TN	27.54	0.032929	2.5	PASS
Band V	4182	HSUPA_Sub2	VN	TN	49.03	0.058616	2.5	PASS
Band V	4182	HSUPA_Sub2	VH	TN	58.59	0.070055	2.5	PASS
Band V	4182	HSUPA_Sub3	VL	TN	374.45	0.447693	2.5	PASS
Band V	4182	HSUPA_Sub3	VN	TN	257.83	0.308259	2.5	PASS
Band V	4182	HSUPA_Sub3	VH	TN	-210.62	-0.251814	2.5	PASS
Band V	4182	HSUPA_Sub4	VL	TN	-101.21	-0.121008	2.5	PASS
Band V	4182	HSUPA_Sub4	VN	TN	27.60	0.033002	2.5	PASS
Band V	4182	HSUPA_Sub4	VH	TN	-14.74	-0.017623	2.5	PASS
Band V	4182	HSUPA_Sub5	VL	TN	107.35	0.128342	2.5	PASS
Band V	4182	HSUPA_Sub5	VN	TN	-55.73	-0.066625	2.5	PASS
Band V	4182	HSUPA_Sub5	VH	TN	254.30	0.304045	2.5	PASS
Band V	4233	HSUPA_Sub1	VL	TN	-0.92	-0.001081	2.5	PASS
Band V	4233	HSUPA_Sub1	VN	TN	10.51	0.012418	2.5	PASS
Band V	4233	HSUPA_Sub1	VH	TN	25.48	0.030099	2.5	PASS
Band V	4233	HSUPA_Sub2	VL	TN	-9.03	-0.010670	2.5	PASS
Band V	4233	HSUPA_Sub2	VN	TN	-39.69	-0.046879	2.5	PASS
Band V	4233	HSUPA_Sub2	VH	TN	-9.49	-0.011211	2.5	PASS

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Band V	4233	HSUPA_Sub3	VL	TN	-519.12	-0.613181	2.5	PASS
Band V	4233	HSUPA_Sub3	VN	TN	-681.84	-0.805385	2.5	PASS
Band V	4233	HSUPA_Sub3	VH	TN	-70.11	-0.082818	2.5	PASS
Band V	4233	HSUPA_Sub4	VL	TN	54.11	0.063912	2.5	PASS
Band V	4233	HSUPA_Sub4	VN	TN	-21.56	-0.025467	2.5	PASS
Band V	4233	HSUPA_Sub4	VH	TN	-55.13	-0.065119	2.5	PASS
Band V	4233	HSUPA_Sub5	VL	TN	-2.41	-0.002848	2.5	PASS
Band V	4233	HSUPA_Sub5	VN	TN	-117.87	-0.139232	2.5	PASS
Band V	4233	HSUPA_Sub5	VH	TN	-18.01	-0.021268	2.5	PASS

Temperature								
Band	Channel	SubTest	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band V	4132	HSUPA_Sub1	VN	-30	-31.46	-0.038073	2.5	PASS
Band V	4132	HSUPA_Sub1	VN	-20	3.11	0.003767	2.5	PASS
Band V	4132	HSUPA_Sub1	VN	-10	12.10	0.014642	2.5	PASS
Band V	4132	HSUPA_Sub1	VN	0	-18.78	-0.022729	2.5	PASS
Band V	4132	HSUPA_Sub1	VN	10	32.32	0.039107	2.5	PASS
Band V	4132	HSUPA_Sub1	VN	20	17.97	0.021751	2.5	PASS
Band V	4132	HSUPA_Sub2	VN	-30	6.36	0.007700	2.5	PASS
Band V	4132	HSUPA_Sub2	VN	-20	13.73	0.016618	2.5	PASS
Band V	4132	HSUPA_Sub2	VN	-10	-33.40	-0.040418	2.5	PASS
Band V	4132	HSUPA_Sub2	VN	0	-26.28	-0.031795	2.5	PASS
Band V	4132	HSUPA_Sub2	VN	10	11.26	0.013627	2.5	PASS
Band V	4132	HSUPA_Sub2	VN	20	-30.58	-0.037002	2.5	PASS
Band V	4132	HSUPA_Sub3	VN	-30	-831.59	-1.006279	2.5	PASS
Band V	4132	HSUPA_Sub3	VN	-20	-420.17	-0.508429	2.5	PASS
Band V	4132	HSUPA_Sub3	VN	-10	-423.93	-0.512990	2.5	PASS
Band V	4132	HSUPA_Sub3	VN	0	-486.24	-0.588379	2.5	PASS
Band V	4132	HSUPA_Sub3	VN	10	5.84	0.007072	2.5	PASS
Band V	4132	HSUPA_Sub3	VN	20	-1360.66	-1.646487	2.5	PASS
Band V	4132	HSUPA_Sub4	VN	-30	15.41	0.018649	2.5	PASS
Band V	4132	HSUPA_Sub4	VN	-20	60.68	0.073432	2.5	PASS
Band V	4132	HSUPA_Sub4	VN	-10	-0.32	-0.000388	2.5	PASS
Band V	4132	HSUPA_Sub4	VN	0	7.20	0.008715	2.5	PASS
Band V	4132	HSUPA_Sub4	VN	10	-84.03	-0.101682	2.5	PASS
Band V	4132	HSUPA_Sub4	VN	20	7.05	0.008530	2.5	PASS
Band V	4132	HSUPA_Sub5	VN	-30	81.76	0.098931	2.5	PASS
Band V	4132	HSUPA_Sub5	VN	-20	19.96	0.024151	2.5	PASS
Band V	4132	HSUPA_Sub5	VN	-10	6.65	0.008050	2.5	PASS

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Band V	4132	HSUPA_Sub5	VN	0	143.68	0.173859	2.5	PASS
Band V	4132	HSUPA_Sub5	VN	10	225.24	0.272550	2.5	PASS
Band V	4132	HSUPA_Sub5	VN	20	88.81	0.107461	2.5	PASS
Band V	4182	HSUPA_Sub1	VN	-30	-54.28	-0.064892	2.5	PASS
Band V	4182	HSUPA_Sub1	VN	-20	9.81	0.011731	2.5	PASS
Band V	4182	HSUPA_Sub1	VN	-10	6.62	0.007918	2.5	PASS
Band V	4182	HSUPA_Sub1	VN	0	88.24	0.105502	2.5	PASS
Band V	4182	HSUPA_Sub1	VN	10	62.30	0.074488	2.5	PASS
Band V	4182	HSUPA_Sub1	VN	20	45.26	0.054110	2.5	PASS
Band V	4182	HSUPA_Sub2	VN	-30	19.85	0.023735	2.5	PASS
Band V	4182	HSUPA_Sub2	VN	-20	-41.32	-0.049403	2.5	PASS
Band V	4182	HSUPA_Sub2	VN	-10	55.66	0.066552	2.5	PASS
Band V	4182	HSUPA_Sub2	VN	0	-51.67	-0.061772	2.5	PASS
Band V	4182	HSUPA_Sub2	VN	10	49.53	0.059218	2.5	PASS
Band V	4182	HSUPA_Sub2	VN	20	30.87	0.036906	2.5	PASS
Band V	4182	HSUPA_Sub3	VN	-30	437.99	0.523659	2.5	PASS
Band V	4182	HSUPA_Sub3	VN	-20	-209.18	-0.250099	2.5	PASS
Band V	4182	HSUPA_Sub3	VN	-10	-596.92	-0.713682	2.5	PASS
Band V	4182	HSUPA_Sub3	VN	0	101.50	0.121355	2.5	PASS
Band V	4182	HSUPA_Sub3	VN	10	-345.52	-0.413104	2.5	PASS
Band V	4182	HSUPA_Sub3	VN	20	-502.43	-0.600701	2.5	PASS
Band V	4182	HSUPA_Sub4	VN	-30	64.45	0.077060	2.5	PASS
Band V	4182	HSUPA_Sub4	VN	-20	-18.77	-0.022439	2.5	PASS
Band V	4182	HSUPA_Sub4	VN	-10	-24.90	-0.029773	2.5	PASS
Band V	4182	HSUPA_Sub4	VN	0	32.68	0.039077	2.5	PASS
Band V	4182	HSUPA_Sub4	VN	10	25.86	0.030923	2.5	PASS
Band V	4182	HSUPA_Sub4	VN	20	34.97	0.041814	2.5	PASS
Band V	4182	HSUPA_Sub5	VN	-30	283.46	0.338908	2.5	PASS
Band V	4182	HSUPA_Sub5	VN	-20	155.96	0.186466	2.5	PASS
Band V	4182	HSUPA_Sub5	VN	-10	183.09	0.218903	2.5	PASS
Band V	4182	HSUPA_Sub5	VN	0	-85.01	-0.101634	2.5	PASS
Band V	4182	HSUPA_Sub5	VN	10	-104.34	-0.124748	2.5	PASS
Band V	4182	HSUPA_Sub5	VN	20	17.90	0.021400	2.5	PASS
Band V	4233	HSUPA_Sub1	VN	-30	-7.29	-0.008615	2.5	PASS
Band V	4233	HSUPA_Sub1	VN	-20	32.70	0.038625	2.5	PASS
Band V	4233	HSUPA_Sub1	VN	-10	174.24	0.205812	2.5	PASS
Band V	4233	HSUPA_Sub1	VN	0	-2.03	-0.002397	2.5	PASS
Band V	4233	HSUPA_Sub1	VN	10	-12.63	-0.014924	2.5	PASS
Band V	4233	HSUPA_Sub1	VN	20	53.15	0.062776	2.5	PASS

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Band V	4233	HSUPA_Sub2	VN	-30	-20.92	-0.024710	2.5	PASS
Band V	4233	HSUPA_Sub2	VN	-20	-0.69	-0.000811	2.5	PASS
Band V	4233	HSUPA_Sub2	VN	-10	37.23	0.043978	2.5	PASS
Band V	4233	HSUPA_Sub2	VN	0	3.78	0.004470	2.5	PASS
Band V	4233	HSUPA_Sub2	VN	10	80.98	0.095651	2.5	PASS
Band V	4233	HSUPA_Sub2	VN	20	-11.22	-0.013247	2.5	PASS
Band V	4233	HSUPA_Sub3	VN	-30	-605.59	-0.715321	2.5	PASS
Band V	4233	HSUPA_Sub3	VN	-20	-333.47	-0.393888	2.5	PASS
Band V	4233	HSUPA_Sub3	VN	-10	-258.82	-0.305717	2.5	PASS
Band V	4233	HSUPA_Sub3	VN	0	-154.24	-0.182183	2.5	PASS
Band V	4233	HSUPA_Sub3	VN	10	-669.40	-0.790696	2.5	PASS
Band V	4233	HSUPA_Sub3	VN	20	-271.36	-0.320532	2.5	PASS
Band V	4233	HSUPA_Sub4	VN	-30	-57.79	-0.068255	2.5	PASS
Band V	4233	HSUPA_Sub4	VN	-20	-46.63	-0.055080	2.5	PASS
Band V	4233	HSUPA_Sub4	VN	-10	-59.19	-0.069914	2.5	PASS
Band V	4233	HSUPA_Sub4	VN	0	-244.86	-0.289225	2.5	PASS
Band V	4233	HSUPA_Sub4	VN	10	124.33	0.146856	2.5	PASS
Band V	4233	HSUPA_Sub4	VN	20	-69.40	-0.081971	2.5	PASS
Band V	4233	HSUPA_Sub5	VN	-30	158.10	0.186743	2.5	PASS
Band V	4233	HSUPA_Sub5	VN	-20	-261.61	-0.309015	2.5	PASS
Band V	4233	HSUPA_Sub5	VN	-10	88.46	0.104483	2.5	PASS
Band V	4233	HSUPA_Sub5	VN	0	-85.48	-0.100968	2.5	PASS
Band V	4233	HSUPA_Sub5	VN	10	-225.02	-0.265794	2.5	PASS
Band V	4233	HSUPA_Sub5	VN	20	-243.61	-0.287747	2.5	PASS

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