

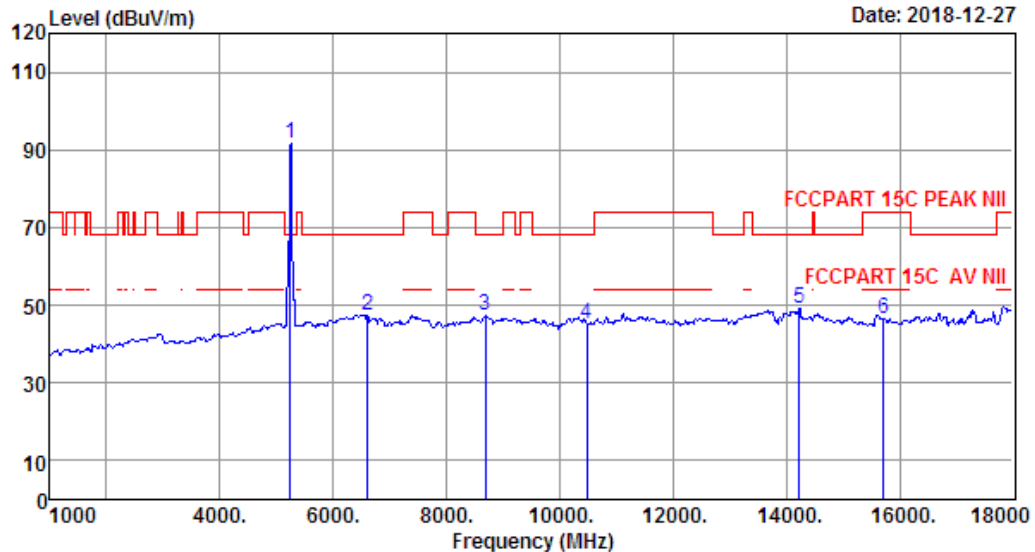
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 108

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 108
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT20 TX 5240MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5240.00	32.68	4.93	35.54	89.52	91.59	68.20	-23.39	Peak
2	6610.00	35.39	5.70	34.89	41.23	47.43	68.20	20.77	Peak
3	8684.00	37.46	6.90	33.06	35.92	47.22	68.20	20.98	Peak
4	10480.00	39.29	9.70	34.16	30.42	45.25	68.20	22.95	Peak
5	14226.00	41.48	10.16	33.18	30.65	49.11	68.20	19.09	Peak
6	15720.00	38.74	10.74	32.22	29.14	46.40	74.00	27.60	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

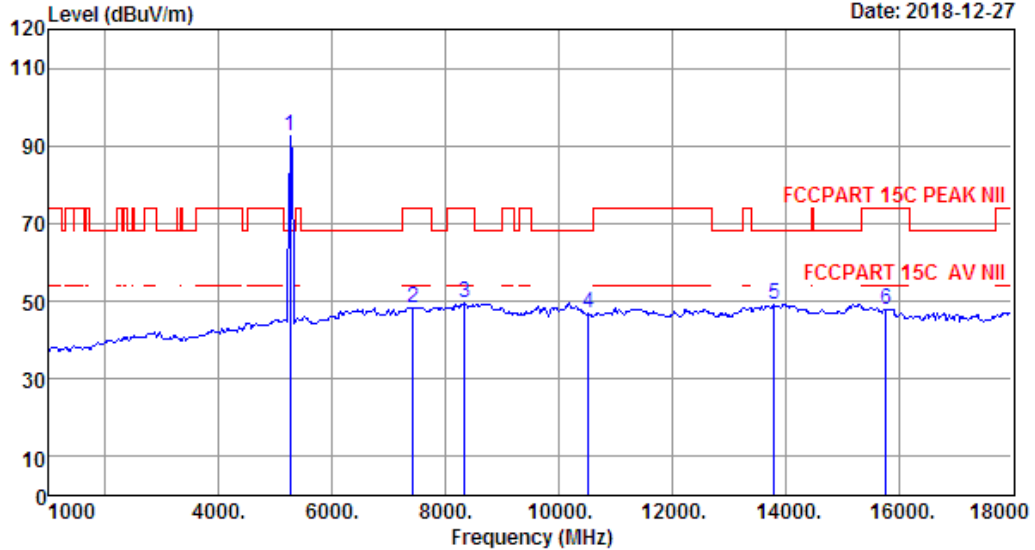
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 109

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 109
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT20 TX 5260MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	5260.00	32.72	4.95	35.56	90.40	92.51	68.20	-24.31	Peak
2	7426.00	37.05	6.13	33.11	38.37	48.44	74.00	25.56	Peak
3	8344.00	37.36	6.73	34.12	39.67	49.64	74.00	24.36	Peak
4	10520.00	39.32	9.60	34.10	31.95	46.77	68.20	21.43	Peak
5	13801.00	41.54	10.08	32.73	30.35	49.24	68.20	18.96	Peak
6	15780.00	38.56	10.72	32.18	30.62	47.72	74.00	26.28	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

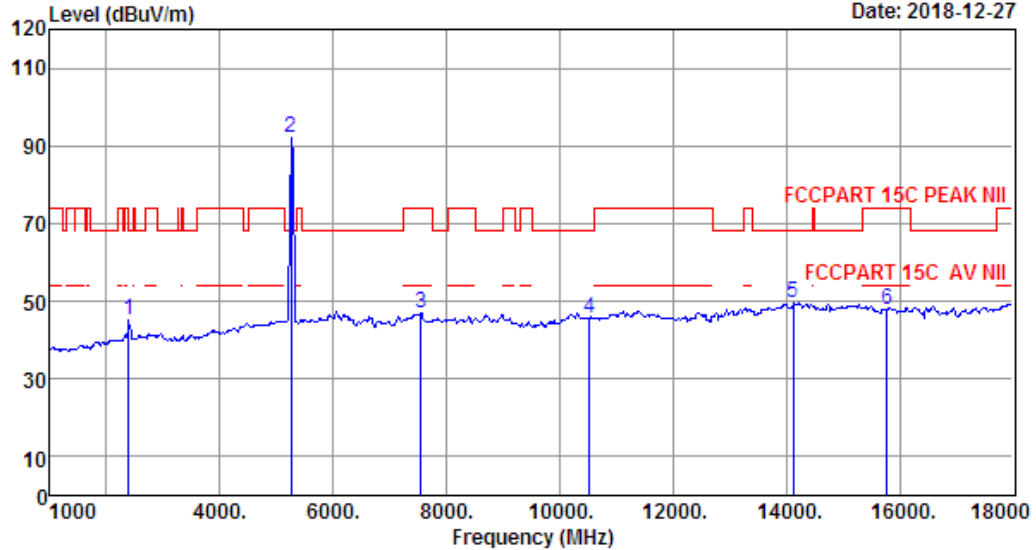
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 110

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 110
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT20 TX 5260MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2394.00	27.35	3.21	34.87	49.52	45.21	68.20	22.99	Peak
2	5260.00	32.72	4.95	35.56	89.89	92.00	68.20	-23.80	Peak
3	7545.00	37.25	6.16	32.94	36.44	46.91	74.00	27.09	Peak
4	10520.00	39.32	9.60	34.10	30.63	45.45	68.20	22.75	Peak
5	14124.00	41.58	10.14	33.04	30.73	49.41	68.20	18.79	Peak
6	15780.00	38.56	10.72	32.18	30.79	47.89	74.00	26.11	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

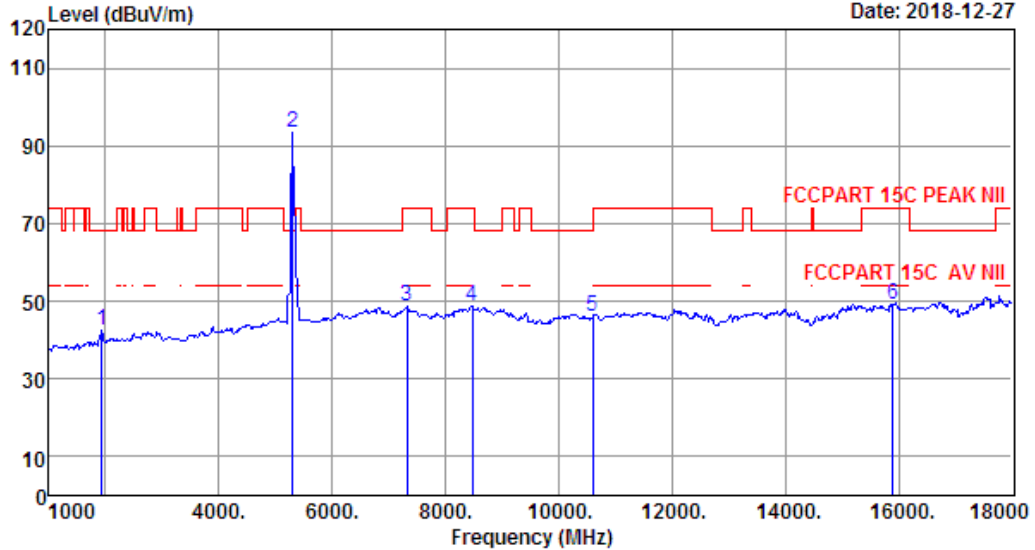
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 111

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 111
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT20 TX 5300MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1935.00	26.29	2.87	34.79	48.04	42.41	68.20	25.79	Peak
2	5300.00	32.76	4.97	35.62	91.10	93.21	68.20	-25.01	Peak
3	7324.00	36.82	6.10	33.28	39.04	48.68	74.00	25.32	Peak
4	8480.00	37.22	6.90	33.78	38.40	48.74	74.00	25.26	Peak
5	10600.00	39.42	9.35	34.00	31.29	46.06	68.20	22.14	Peak
6	15900.00	38.15	10.65	32.10	32.32	49.02	74.00	24.98	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

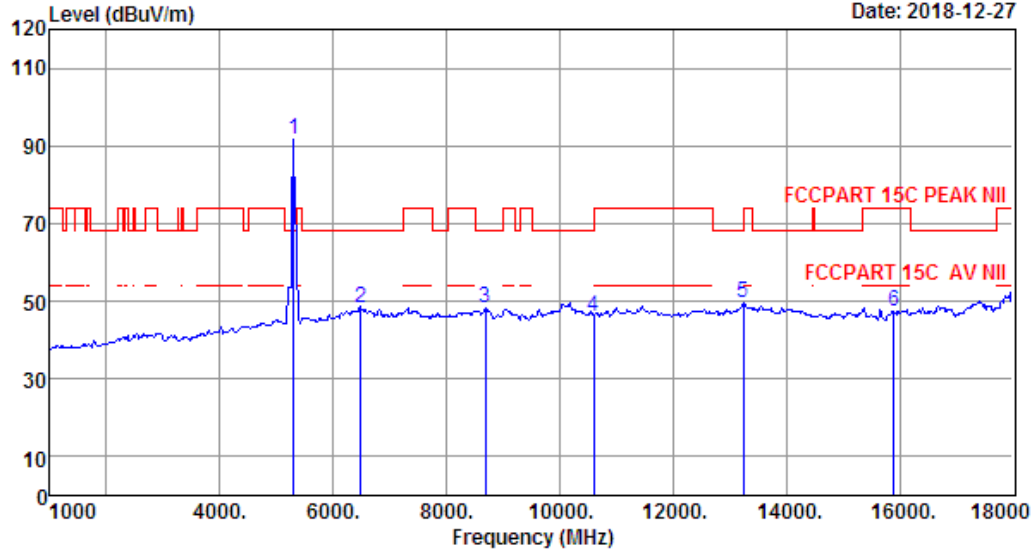
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 112

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 112
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT20 TX 5300MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5300.00	32.76	4.97	35.62	89.36	91.47	68.20	-23.27	Peak
2	6491.00	35.14	5.70	35.19	42.68	48.33	68.20	19.87	Peak
3	8684.00	37.46	6.90	33.06	37.10	48.40	68.20	19.80	Peak
4	10600.00	39.42	9.35	34.00	31.20	45.97	68.20	22.23	Peak
5	13240.00	40.68	9.32	32.68	32.26	49.58	68.20	18.62	Peak
6	15900.00	38.15	10.65	32.10	30.47	47.17	74.00	26.83	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

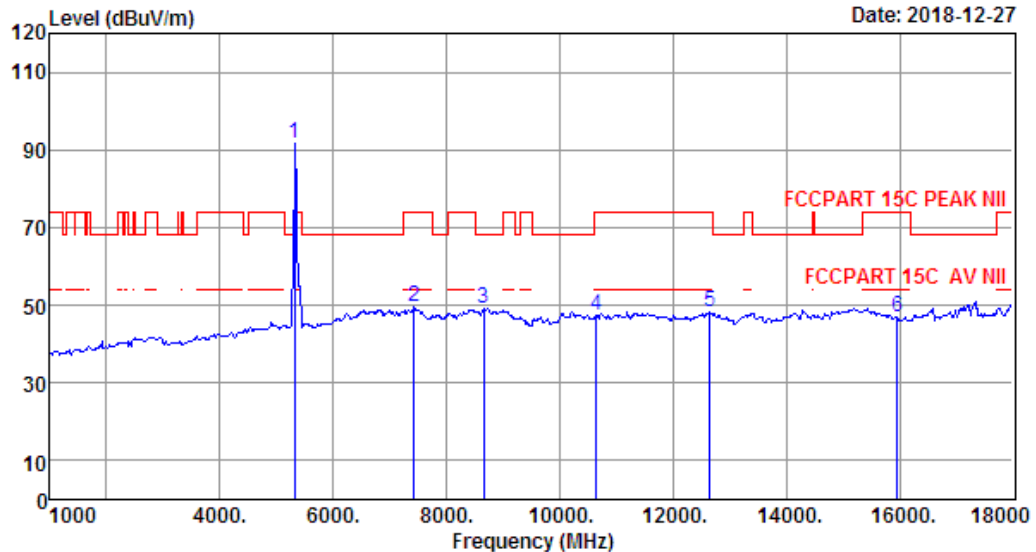
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 113

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 113
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT20 TX 5320MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5320.00	32.78	4.99	35.64	89.62	91.75	68.20	-23.55	Peak
2	7426.00	37.05	6.13	33.11	39.71	49.78	74.00	24.22	Peak
3	8650.00	37.41	6.90	33.18	38.17	49.30	68.20	18.90	Peak
4	10640.00	39.47	9.25	33.95	32.43	47.20	74.00	26.80	Peak
5	12645.00	39.54	8.71	32.86	32.83	48.22	74.00	25.78	Peak
6	15960.00	37.92	10.62	32.09	30.29	46.74	74.00	27.26	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

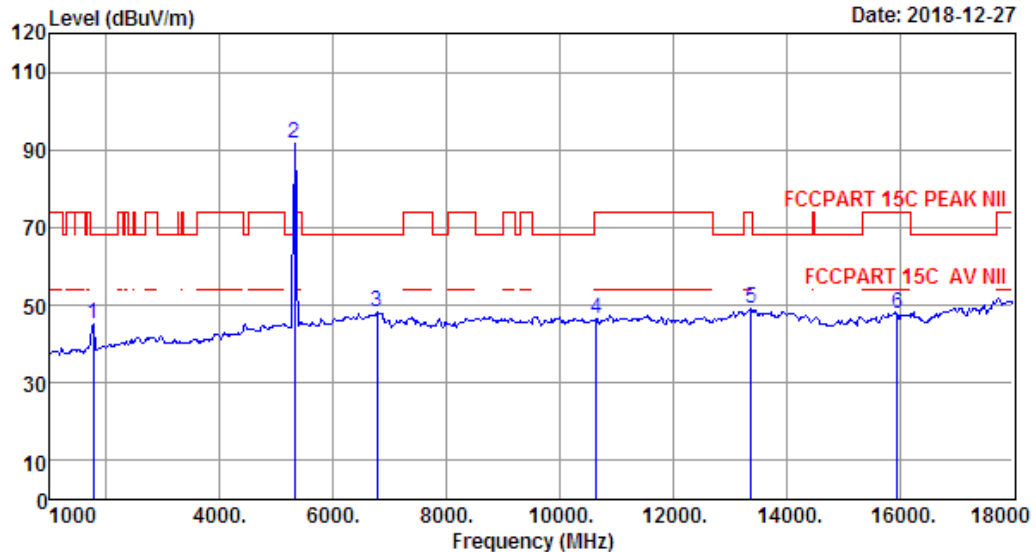
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 114

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 114
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT20 TX 5320MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1765.00	26.03	2.78	34.87	51.11	45.05	68.20	23.15	Peak
2	5320.00	32.78	4.99	35.64	89.35	91.48	68.20	-23.28	Peak
3	6780.00	35.70	5.74	34.39	41.28	48.33	68.20	19.87	Peak
4	10640.00	39.47	9.25	33.95	31.58	46.35	74.00	27.65	Peak
5	13376.00	41.01	9.50	32.62	31.16	49.05	74.00	24.95	Peak
6	15960.00	37.92	10.62	32.09	31.29	47.74	74.00	26.26	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

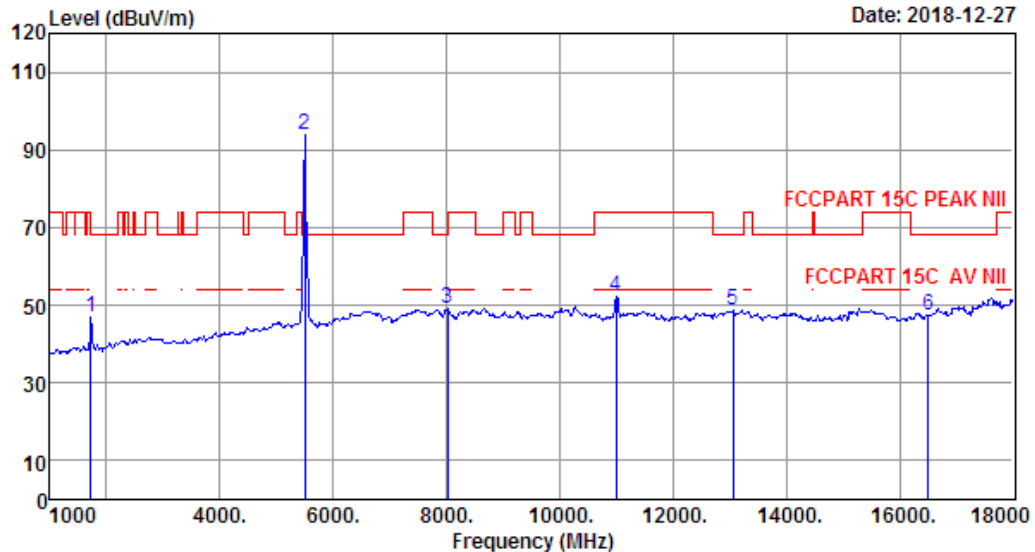
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 115

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 115
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT20 TX 5500MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	1714.00	25.95	2.72	34.81	53.13	46.99	68.20	21.21	Peak
2	5500.00	33.00	5.11	35.84	91.45	93.72	68.20	-25.52	Peak
3	8021.00	37.68	6.37	34.75	39.66	48.96	68.20	19.24	Peak
4	11000.00	39.90	8.57	33.45	37.36	52.38	74.00	21.62	Peak
5	13053.00	40.22	9.10	32.71	32.01	48.62	68.20	19.58	Peak
6	16500.00	37.80	10.54	31.83	31.06	47.57	68.20	20.63	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

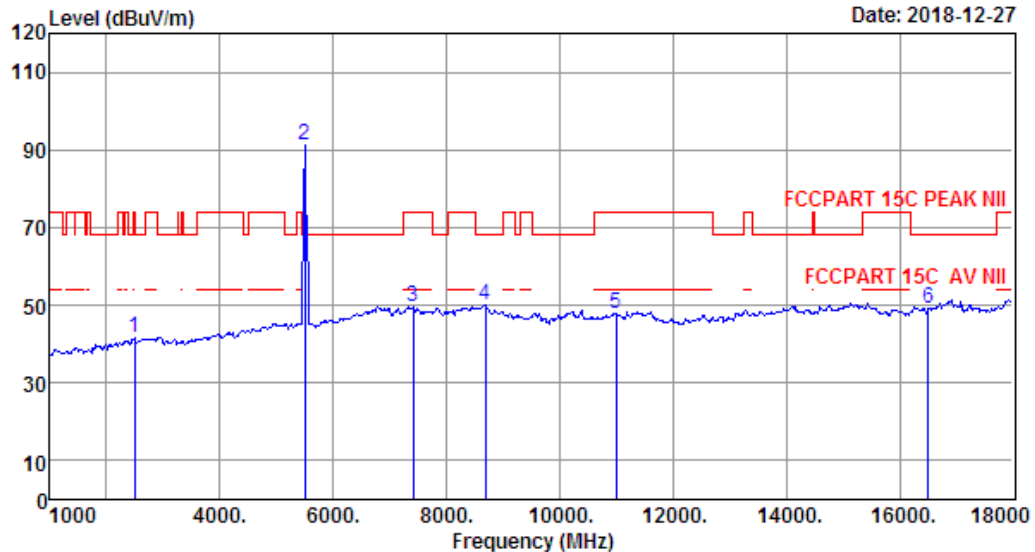
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 116

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 116
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15C PEAK NII
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Seven
EUT : 8" Android Tablet
Power : DC 5V From Adapter Input AC 120V/60Hz
M/N : ONA19TB002
Test Mode : IEEE 802.11n HT20 TX 5500MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2496.00	27.60	3.30	35.27	46.07	41.70	74.00	32.30	Peak
2	5500.00	33.00	5.11	35.84	88.95	91.22	68.20	-23.02	Peak
3	7409.00	37.01	6.12	33.14	39.60	49.59	74.00	24.41	Peak
4	8684.00	37.46	6.90	33.06	38.86	50.16	68.20	18.04	Peak
5	11000.00	39.90	8.57	33.45	32.75	47.77	74.00	26.23	Peak
6	16500.00	37.80	10.54	31.83	32.80	49.31	68.20	18.89	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

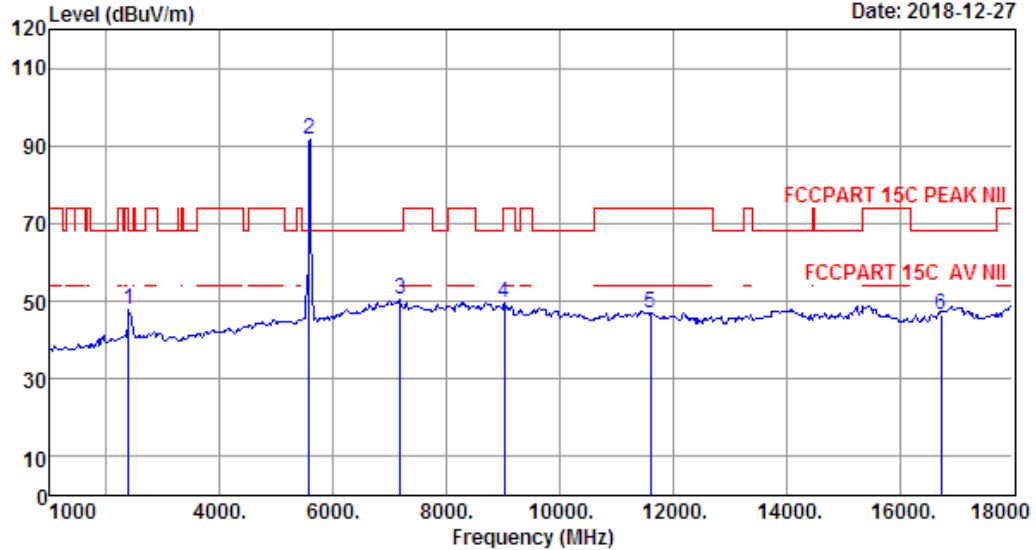
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 117

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : site Data no. : 117
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT20 TX 5580MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2394.00	27.35	3.21	34.87	52.28	47.97	68.20	20.23	Peak
2	5580.00	33.07	5.14	35.92	89.16	91.45	68.20	-23.25	Peak
3	7188.00	36.52	5.98	33.48	41.44	50.46	68.20	17.74	Peak
4	9024.00	37.93	6.95	33.72	38.44	49.60	74.00	24.40	Peak
5	11600.00	39.96	8.26	32.36	30.94	46.80	74.00	27.20	Peak
6	16740.00	39.59	10.51	31.49	27.77	46.38	68.20	21.82	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

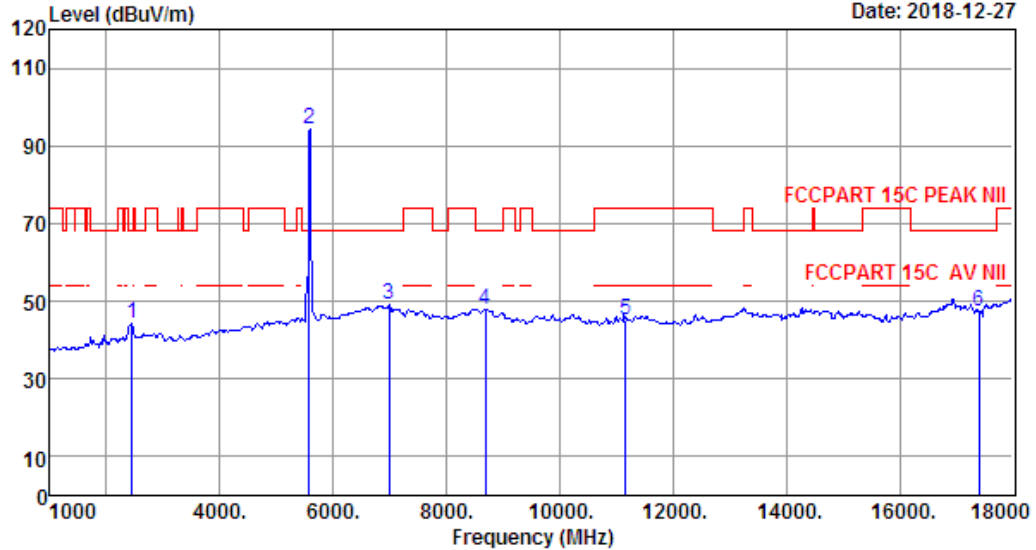
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 118

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 118
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT20 TX 5580MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2445.00	27.48	3.26	35.07	48.61	44.28	68.20	23.92	Peak
2	5580.00	33.07	5.14	35.92	91.90	94.19	68.20	-25.99	Peak
3	6984.00	36.07	5.80	33.84	41.18	49.21	68.20	18.99	Peak
4	8684.00	37.46	6.90	33.06	36.54	47.84	68.20	20.36	Peak
5	11160.00	39.97	8.45	33.16	29.82	45.08	74.00	28.92	Peak
6	17400.00	43.02	11.33	30.96	24.06	47.45	68.20	20.75	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

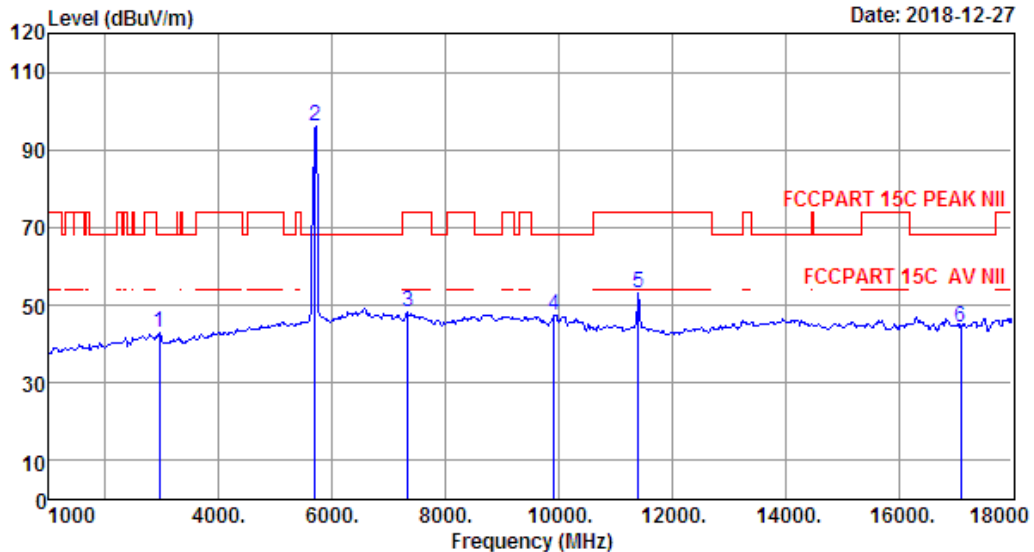
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 119

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 119
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT20 TX 5700MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2955.00	28.32	3.60	36.97	47.84	42.79	68.20	25.41	Peak
2	5700.00	33.19	5.18	35.95	93.48	95.90	68.20	-27.70	Peak
3	7341.00	36.86	6.10	33.25	38.61	48.32	74.00	25.68	Peak
4	9925.00	39.06	8.53	34.80	34.62	47.41	68.20	20.79	Peak
5	11400.00	40.06	8.29	32.71	37.66	53.30	74.00	20.70	Peak
6	17100.00	41.88	10.63	31.22	23.12	44.41	68.20	23.79	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

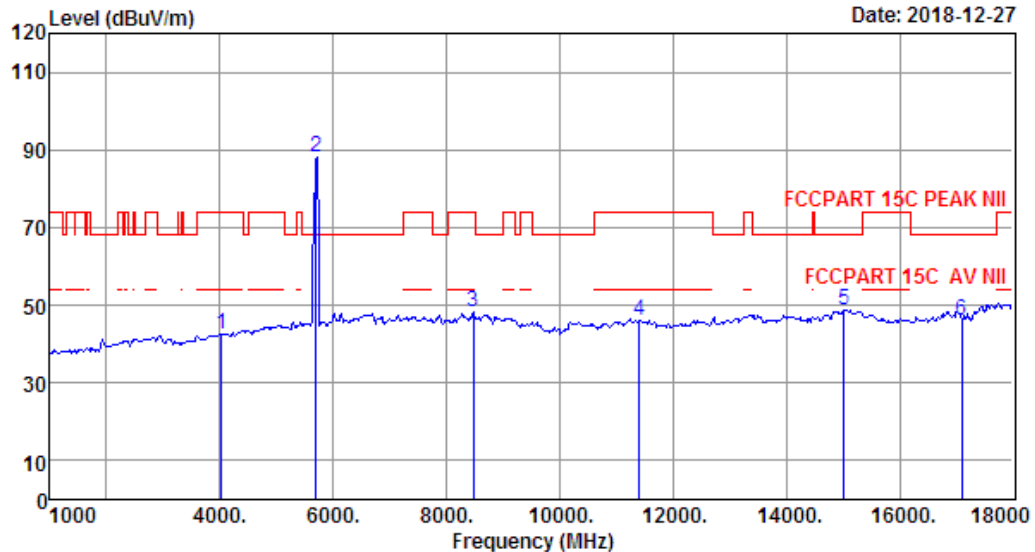
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 120

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : site Data no. : 120
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT20 TX 5700MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4026.00	30.38	4.35	35.99	43.78	42.52	74.00	31.48	Peak
2	5700.00	33.19	5.18	35.95	85.55	87.97	68.20	-19.77	Peak
3	8480.00	37.22	6.90	33.78	37.80	48.14	74.00	25.86	Peak
4	11400.00	40.06	8.29	32.71	30.43	46.07	74.00	27.93	Peak
5	15025.00	40.27	10.77	33.38	31.00	48.66	68.20	19.54	Peak
6	17100.00	41.88	10.63	31.22	24.96	46.25	68.20	21.95	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

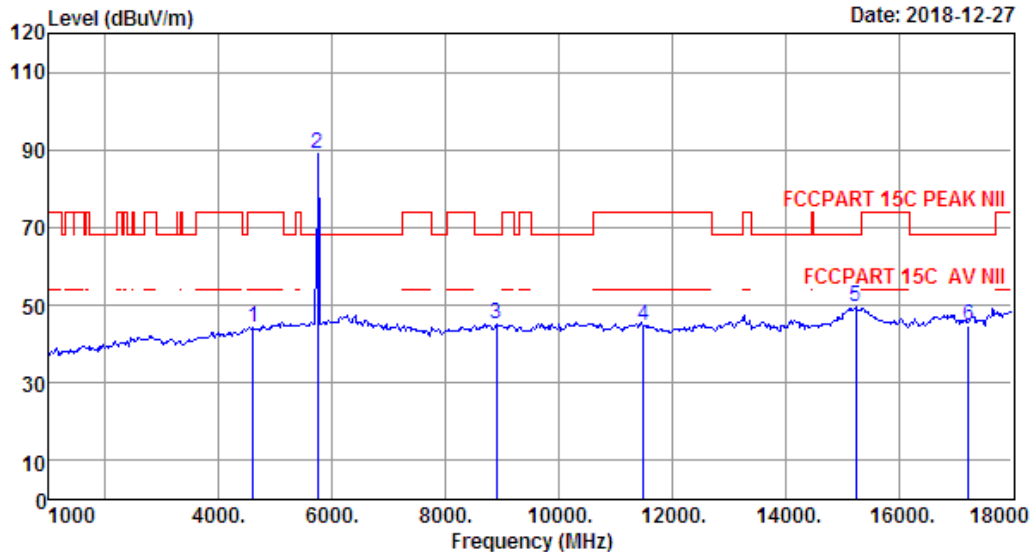
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 121

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 121
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT20 TX 5745MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4604.00	31.69	4.65	35.44	43.21	44.11	74.00	29.89	Peak
2	5745.00	33.24	5.20	35.91	86.33	88.86	68.20	-20.66	Peak
3	8905.00	37.76	6.90	33.35	33.66	44.97	68.20	23.23	Peak
4	11490.00	40.09	8.28	32.55	29.03	44.85	74.00	29.15	Peak
5	15246.00	39.91	10.99	32.91	31.42	49.41	68.20	18.79	Peak
6	17235.00	42.39	10.94	31.21	22.49	44.61	68.20	23.59	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

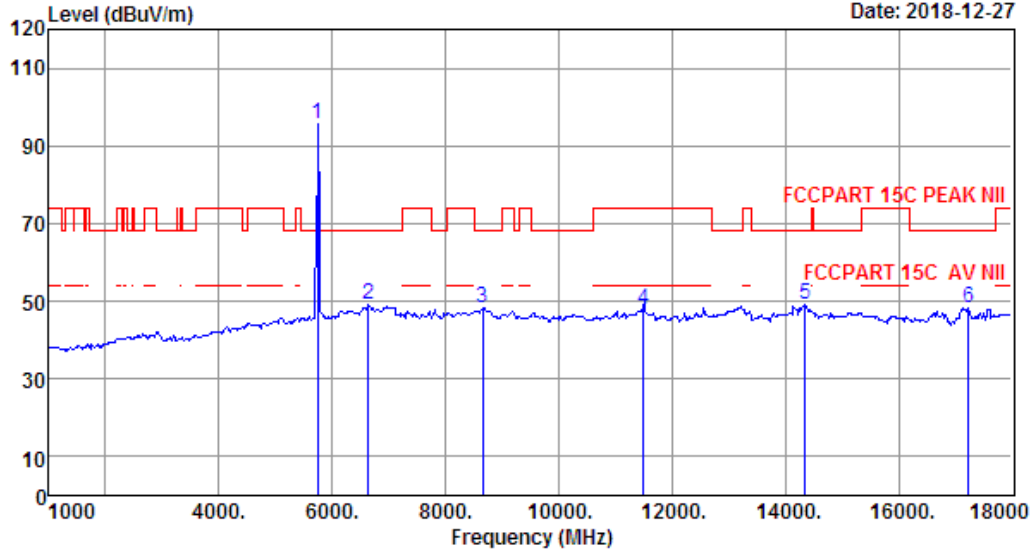
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 122

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 122
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT20 TX 5745MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	5745.00	33.24	5.20	35.91	92.90	95.43	68.20	-27.23	Peak
2	6644.00	35.45	5.70	34.79	42.68	49.04	68.20	19.16	Peak
3	8650.00	37.41	6.90	33.18	37.16	48.29	68.20	19.91	Peak
4	11490.00	40.09	8.28	32.55	32.22	48.04	74.00	25.96	Peak
5	14345.00	41.36	10.18	33.31	30.96	49.19	68.20	19.01	Peak
6	17235.00	42.39	10.94	31.21	26.17	48.29	68.20	19.91	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

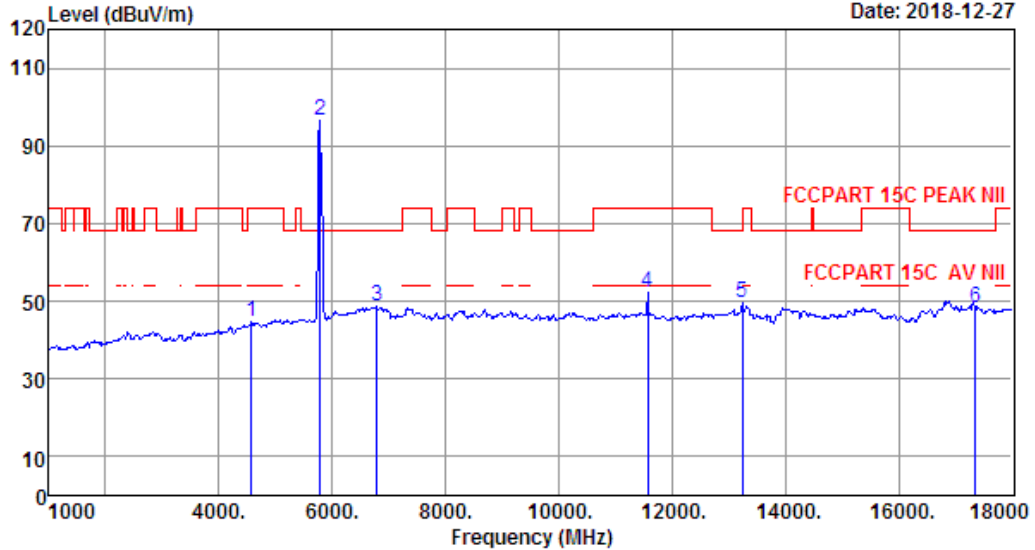
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 123

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 123
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15C PEAK NII
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Seven
EUT : 8" Android Tablet
Power : DC 5V From Adapter Input AC 120V/60Hz
M/N : ONA19TB002
Test Mode : IEEE 802.11n HT20 TX 5785MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4570.00	31.62	4.67	35.51	43.86	44.64	74.00	29.36	Peak
2	5785.00	33.28	5.26	35.86	93.87	96.55	68.20	-28.35	Peak
3	6797.00	35.73	5.74	34.34	41.42	48.55	68.20	19.65	Peak
4	11570.00	40.00	8.26	32.42	36.54	52.38	74.00	21.62	Peak
5	13240.00	40.68	9.32	32.68	32.05	49.37	68.20	18.83	Peak
6	17355.00	42.83	11.21	31.04	25.06	48.06	68.20	20.14	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

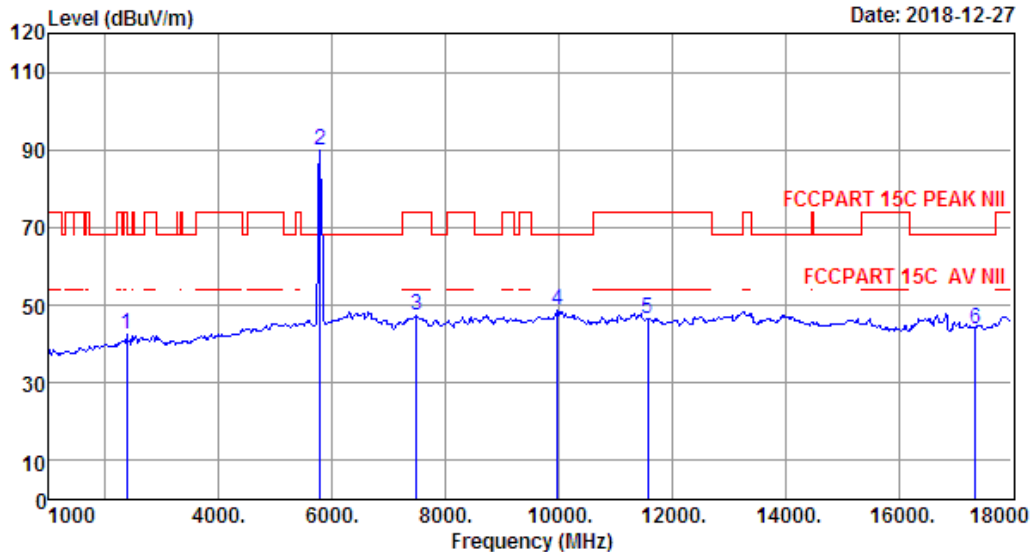
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 124

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 124
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT20 TX 5785MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	2377.00	27.31	3.20	34.80	46.91	42.62	74.00	31.38	Peak
2	5785.00	33.28	5.26	35.86	87.27	89.95	68.20	-21.75	Peak
3	7494.00	37.20	6.15	33.00	36.90	47.25	74.00	26.75	Peak
4	9976.00	39.09	8.75	34.74	35.73	48.83	68.20	19.37	Peak
5	11570.00	40.00	8.26	32.42	30.46	46.30	74.00	27.70	Peak
6	17355.00	42.83	11.21	31.04	21.01	44.01	68.20	24.19	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

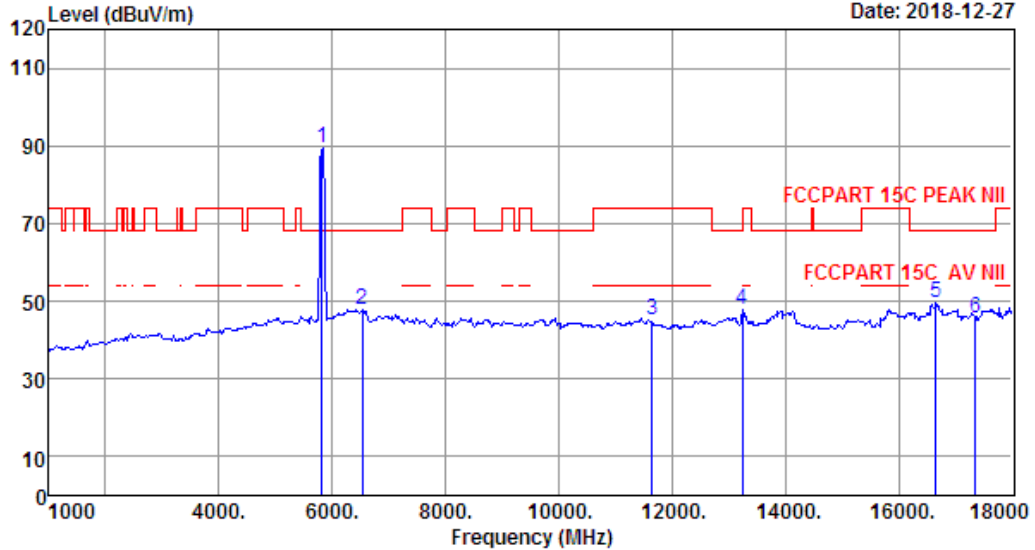
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 125

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 125
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT20 TX 5825MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5825.00	33.33	5.35	35.83	86.38	89.23	68.20	-21.03	Peak
2	6525.00	35.23	5.70	35.09	41.78	47.62	68.20	20.58	Peak
3	11650.00	39.91	8.25	32.37	29.47	45.26	74.00	28.74	Peak
4	13240.00	40.68	9.32	32.68	30.43	47.75	68.20	20.45	Peak
5	16657.00	38.95	10.52	31.59	31.89	49.77	68.20	18.43	Peak
6	17355.00	42.83	11.21	31.04	22.81	45.81	68.20	22.39	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

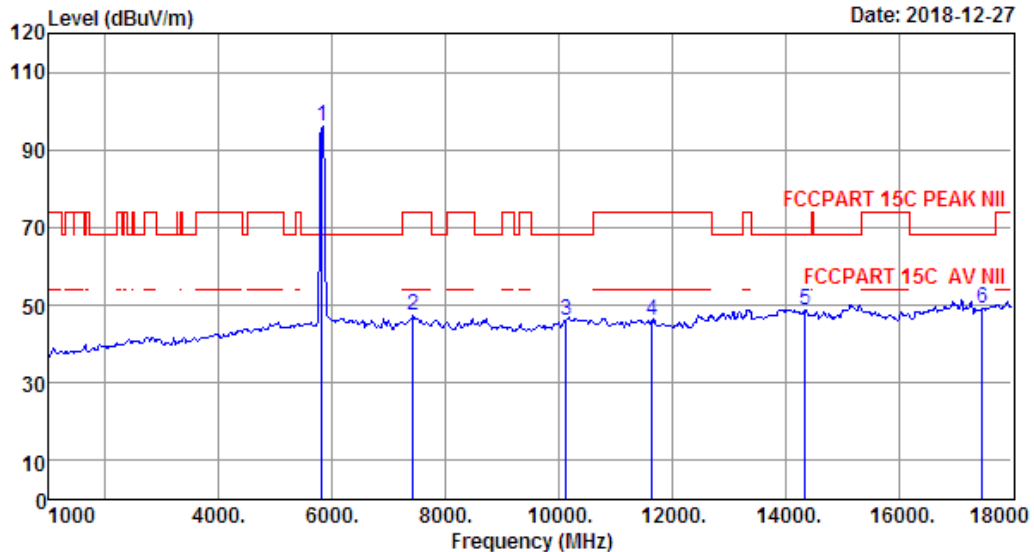
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 126

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 126
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15C PEAK NII
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Seven
EUT : 8" Android Tablet
Power : DC 5V From Adapter Input AC 120V/60Hz
M/N : ONA19TB002
Test Mode : IEEE 802.11n HT20 TX 5825MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5825.00	33.33	5.35	35.83	93.43	96.28	68.20	-28.08	Peak
2	7426.00	37.05	6.13	33.11	37.39	47.46	74.00	26.54	Peak
3	10129.00	39.15	9.40	34.53	32.15	46.17	68.20	22.03	Peak
4	11650.00	39.91	8.25	32.37	30.13	45.92	74.00	28.08	Peak
5	14345.00	41.36	10.18	33.31	30.67	48.90	68.20	19.30	Peak
6	17475.00	43.27	11.48	31.08	25.31	48.98	68.20	19.22	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

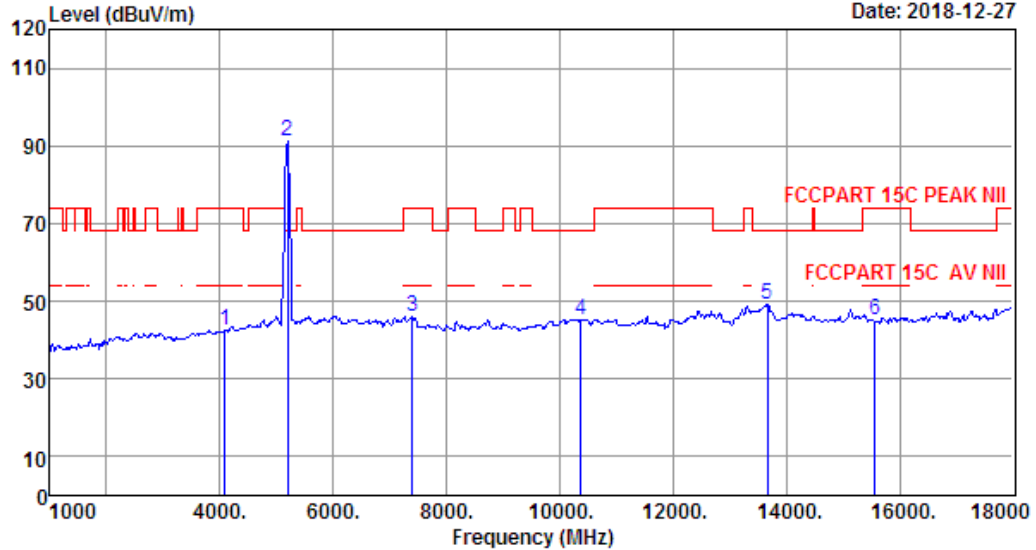
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 127

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 127
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT40 TX 5190MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4094.00	30.54	4.31	35.98	43.75	42.62	74.00	31.38	Peak
2	5190.00	32.62	4.89	35.50	89.30	91.31	68.20	-23.11	Peak
3	7392.00	36.97	6.12	33.17	36.12	46.04	74.00	27.96	Peak
4	10380.00	39.25	10.00	34.26	30.15	45.14	68.20	23.06	Peak
5	13665.00	41.43	9.89	32.62	30.63	49.33	68.20	18.87	Peak
6	15570.00	39.27	10.82	32.32	27.40	45.17	74.00	28.83	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

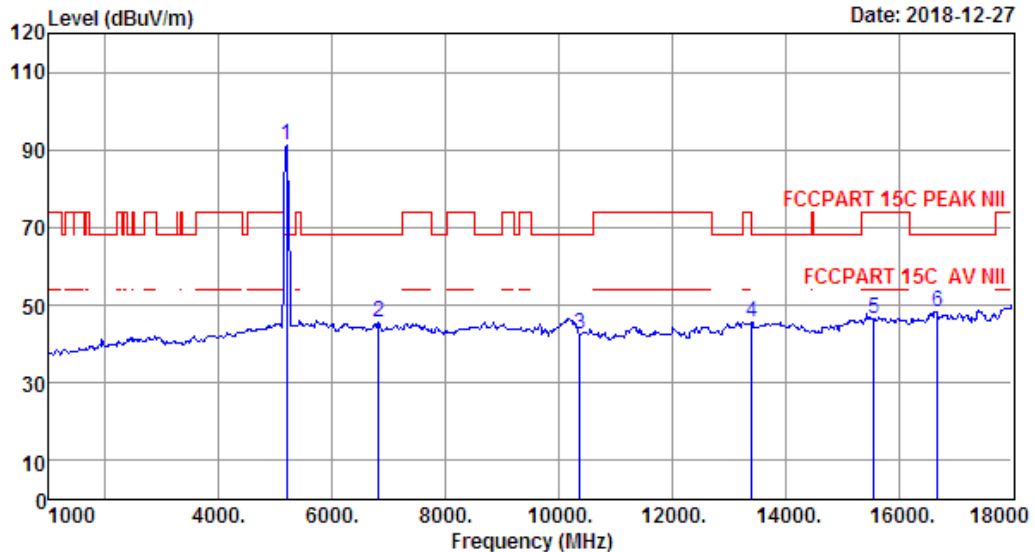
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 128

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 128
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT40 TX 5190MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5190.00	32.62	4.89	35.50	89.16	91.17	68.20	-22.97	Peak
2	6814.00	35.76	5.75	34.29	38.31	45.53	68.20	22.67	Peak
3	10380.00	39.25	10.00	34.26	27.53	42.52	68.20	25.68	Peak
4	13410.00	41.09	9.55	32.61	27.64	45.67	68.20	22.53	Peak
5	15570.00	39.27	10.82	32.32	28.56	46.33	74.00	27.67	Peak
6	16691.00	39.20	10.51	31.54	30.31	48.48	68.20	19.72	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

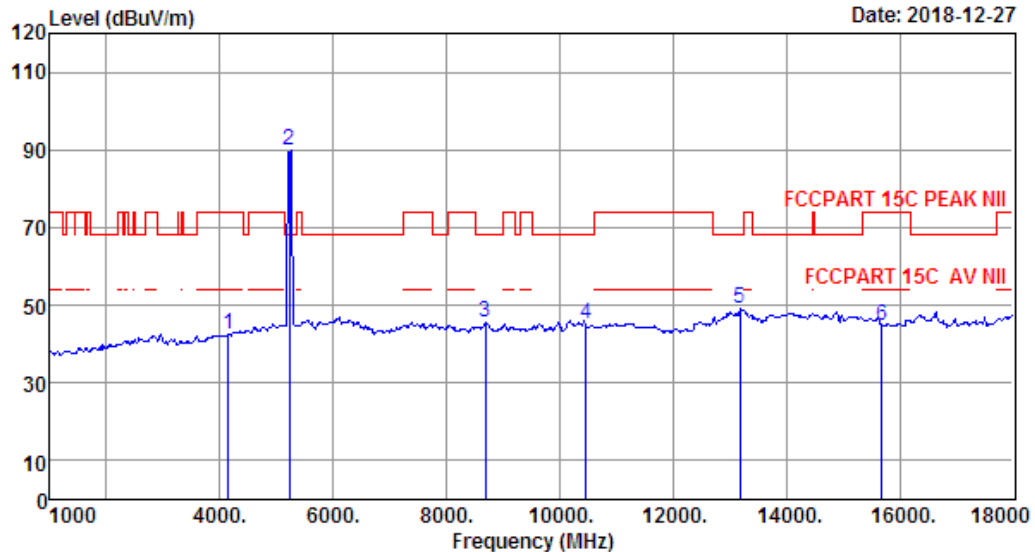
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 129

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 129
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT40 TX 5230MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4145.00	30.66	4.33	35.98	43.60	42.61	74.00	31.39	Peak
2	5230.00	32.68	4.93	35.54	87.65	89.72	68.20	-21.52	Peak
3	8684.00	37.46	6.90	33.06	34.28	45.58	68.20	22.62	Peak
4	10460.00	39.28	9.80	34.18	30.44	45.34	68.20	22.86	Peak
5	13189.00	40.56	9.25	32.64	31.96	49.13	68.20	19.07	Peak
6	15690.00	38.86	10.76	32.24	27.51	44.89	74.00	29.11	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

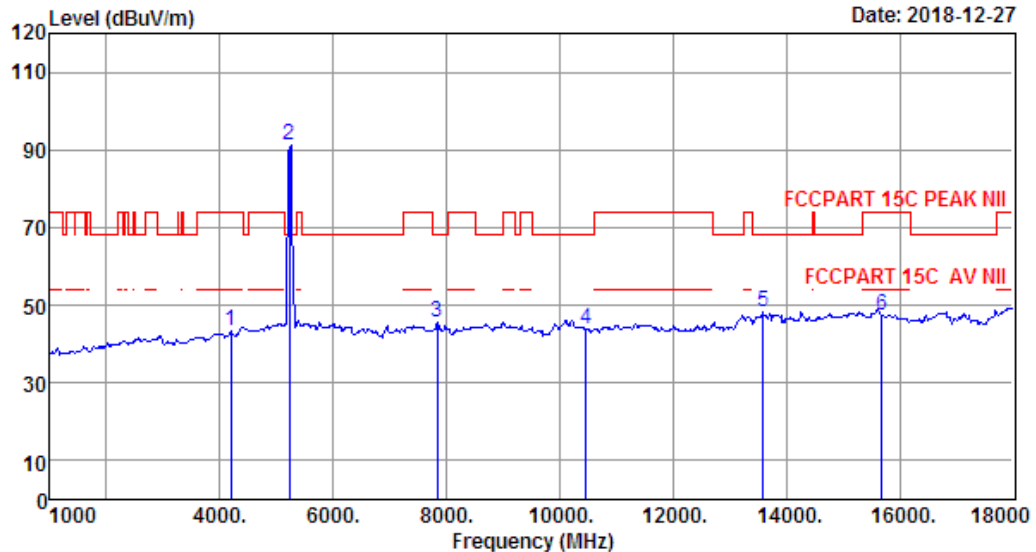
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 130

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 130
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT40 TX 5230MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4196.00	30.78	4.36	35.97	44.01	43.18	74.00	30.82	Peak
2	5230.00	32.68	4.93	35.54	88.96	91.03	68.20	-22.83	Peak
3	7834.00	37.53	6.27	34.01	35.71	45.50	68.20	22.70	Peak
4	10460.00	39.28	9.80	34.18	28.97	43.87	68.20	24.33	Peak
5	13597.00	41.38	9.80	32.58	29.64	48.24	68.20	19.96	Peak
6	15690.00	38.86	10.76	32.24	30.09	47.47	74.00	26.53	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

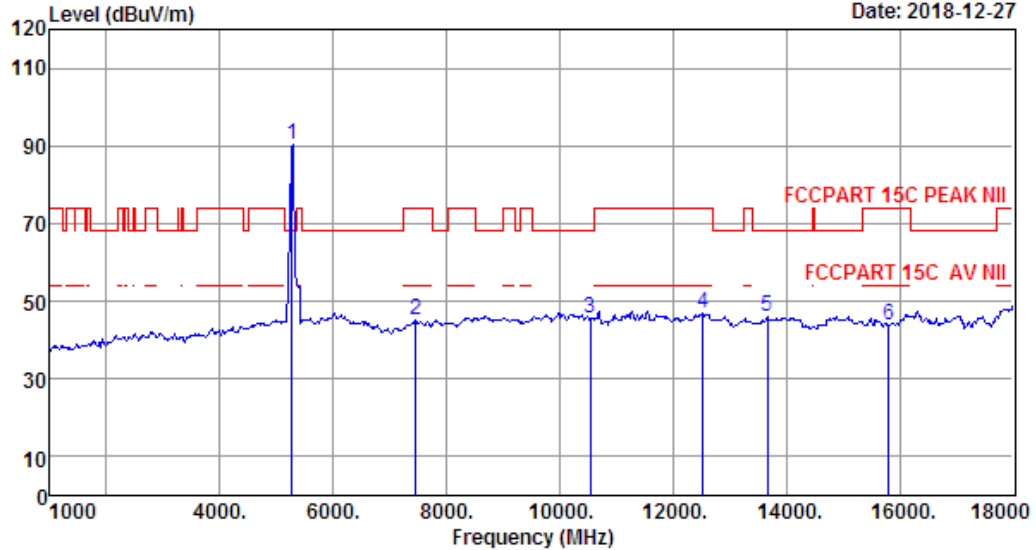
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 131

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 131
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
Limit : FCCPART 15C PEAK NII
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Seven
EUT : 8" Android Tablet
Power : DC 5V From Adapter Input AC 120V/60Hz
M/N : ONA19TB002
Test Mode : IEEE 802.11n HT40 TX 5270MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5270.00	32.72	4.95	35.58	88.12	90.21	68.20	-22.01	Peak
2	7460.00	37.12	6.14	33.05	35.14	45.35	74.00	28.65	Peak
3	10540.00	39.34	9.55	34.07	30.60	45.42	68.20	22.78	Peak
4	12526.00	39.35	8.60	32.74	31.70	46.91	74.00	27.09	Peak
5	13665.00	41.43	9.89	32.62	27.21	45.91	68.20	22.29	Peak
6	15810.00	38.44	10.70	32.16	26.78	43.76	74.00	30.24	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

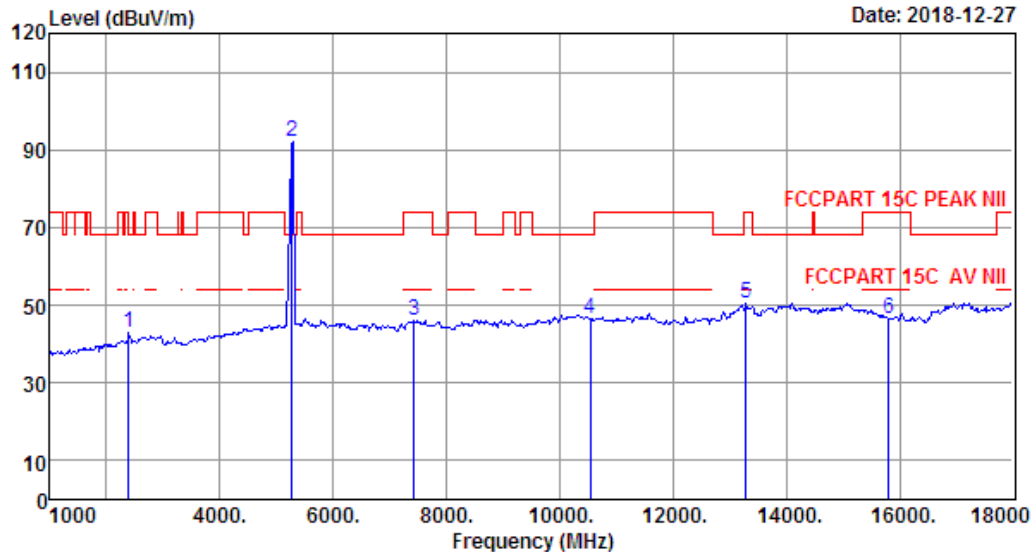
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 132

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 132
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT40 TX 5270MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2394.00	27.35	3.21	34.87	47.19	42.88	68.20	25.32	Peak
2	5270.00	32.72	4.95	35.58	90.18	92.27	68.20	-24.07	Peak
3	7426.00	37.05	6.13	33.11	36.01	46.08	74.00	27.92	Peak
4	10540.00	39.34	9.55	34.07	31.67	46.49	68.20	21.71	Peak
5	13291.00	40.80	9.38	32.66	32.77	50.29	74.00	23.71	Peak
6	15810.00	38.44	10.70	32.16	29.64	46.62	74.00	27.38	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

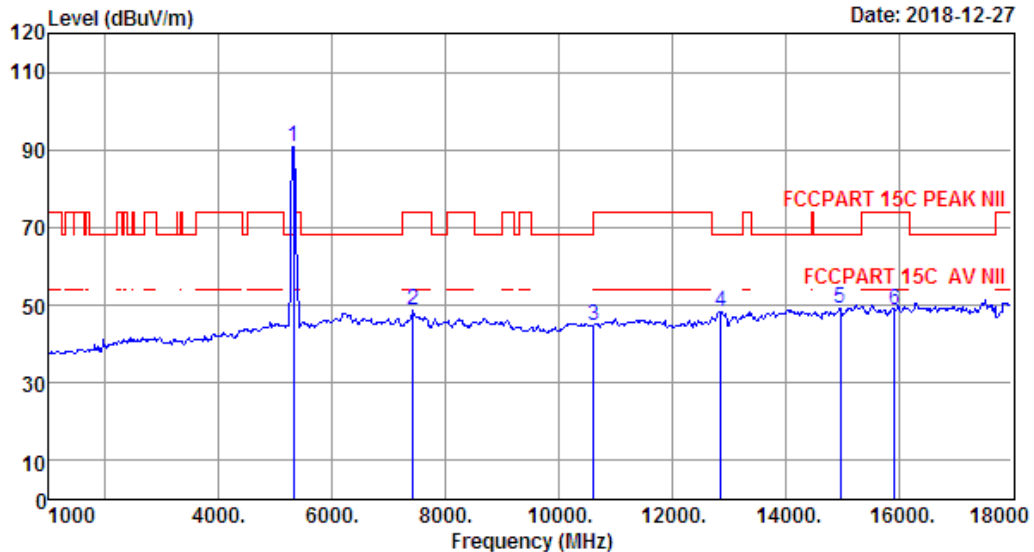
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 133

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 133
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT40 TX 5310MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5310.00	32.78	4.99	35.62	88.55	90.70	68.20	-22.50	Peak
2	7426.00	37.05	6.13	33.11	38.49	48.56	74.00	25.44	Peak
3	10620.00	39.44	9.30	33.97	29.96	44.73	74.00	29.27	Peak
4	12866.00	39.89	8.92	32.87	32.54	48.48	68.20	19.72	Peak
5	14974.00	40.36	10.71	33.45	31.59	49.21	68.20	18.99	Peak
6	15930.00	38.03	10.64	32.09	32.06	48.64	74.00	25.36	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

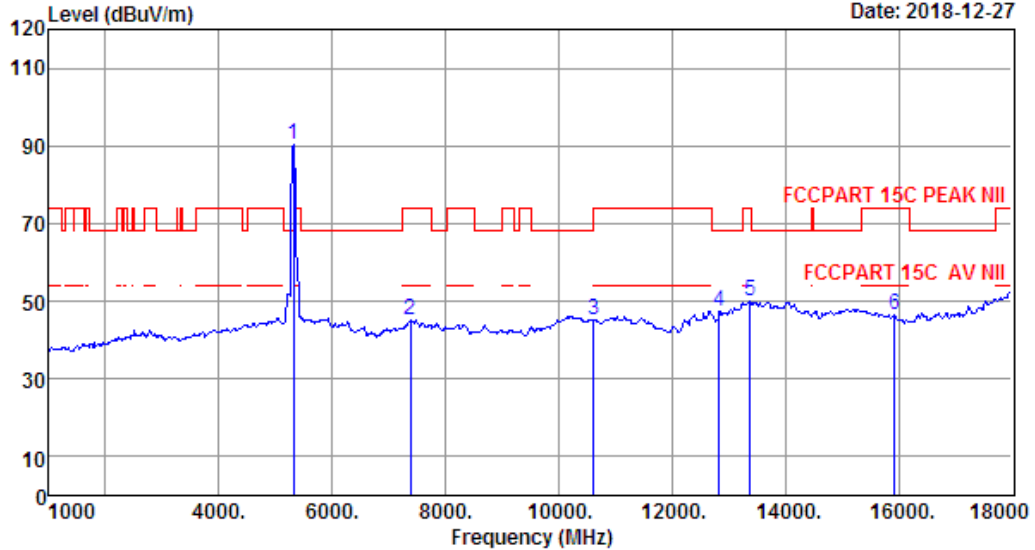
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 134

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 134
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT40 TX 5310MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5310.00	32.78	4.99	35.62	88.04	90.19	68.20	-21.99	Peak
2	7375.00	36.93	6.11	33.19	35.25	45.10	74.00	28.90	Peak
3	10620.00	39.44	9.30	33.97	30.21	44.98	74.00	29.02	Peak
4	12832.00	39.83	8.89	32.90	31.69	47.51	68.20	20.69	Peak
5	13376.00	41.01	9.50	32.62	31.95	49.84	74.00	24.16	Peak
6	15930.00	38.03	10.64	32.09	29.82	46.40	74.00	27.60	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

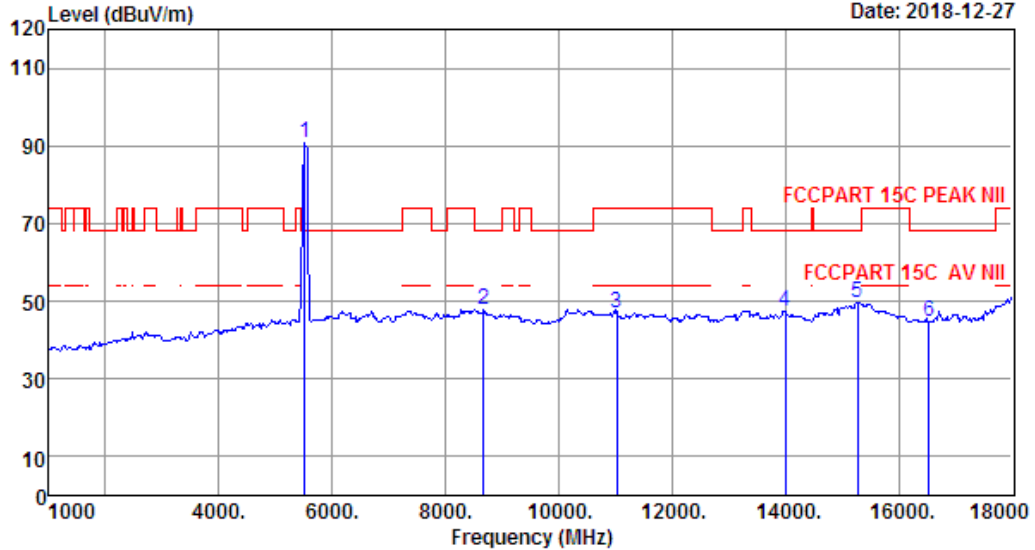
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 135

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 135
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT40 TX 5510MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5510.00	33.00	5.11	35.84	88.34	90.61	68.20	-22.41	Peak
2	8667.00	37.43	6.90	33.12	36.51	47.72	68.20	20.48	Peak
3	11020.00	39.91	8.56	33.42	31.96	47.01	74.00	26.99	Peak
4	14005.00	41.70	10.13	32.88	28.30	47.25	68.20	20.95	Peak
5	15280.00	39.86	10.97	32.84	31.70	49.69	68.20	18.51	Peak
6	16530.00	38.06	10.53	31.78	27.91	44.72	68.20	23.48	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

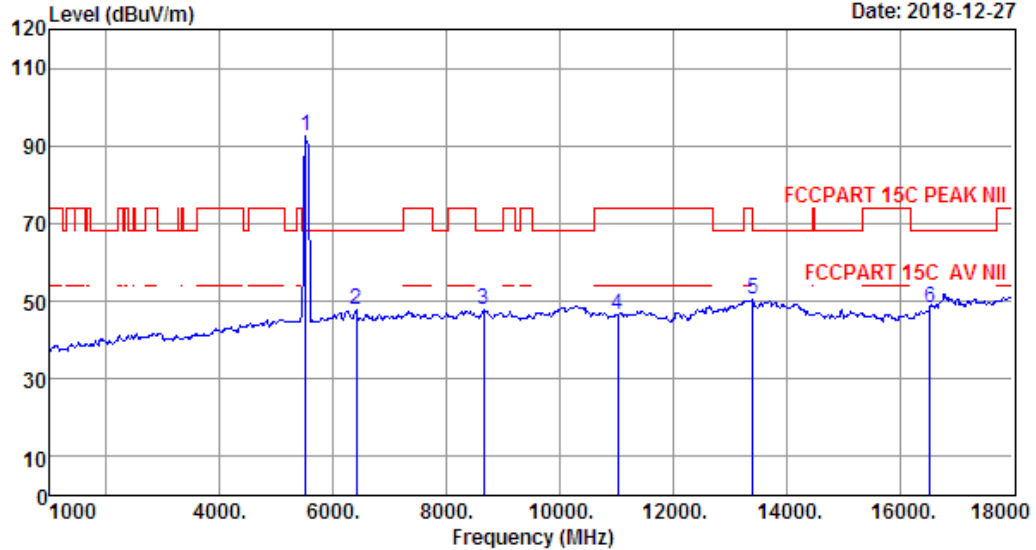
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 136

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 136
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT40 TX 5510MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5510.00	33.00	5.11	35.84	90.30	92.57	68.20	-24.37	Peak
2	6406.00	34.86	5.70	35.28	42.33	47.61	68.20	20.59	Peak
3	8650.00	37.41	6.90	33.18	36.47	47.60	68.20	20.60	Peak
4	11020.00	39.91	8.56	33.42	31.28	46.33	74.00	27.67	Peak
5	13410.00	41.09	9.55	32.61	32.40	50.43	68.20	17.77	Peak
6	16530.00	38.06	10.53	31.78	31.58	48.39	68.20	19.81	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

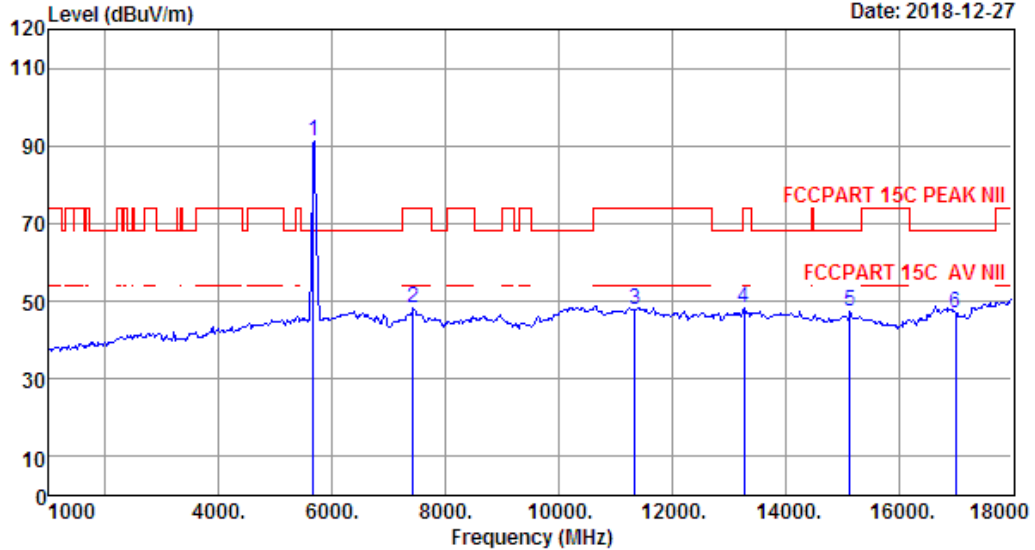
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 137

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 137
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT40 TX 5670MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5670.00	33.17	5.17	35.98	88.70	91.06	68.20	-22.86	Peak
2	7426.00	37.05	6.13	33.11	37.97	48.04	74.00	25.96	Peak
3	11340.00	40.03	8.32	32.84	32.20	47.71	74.00	26.29	Peak
4	13274.00	40.76	9.36	32.66	30.84	48.30	74.00	25.70	Peak
5	15144.00	40.08	10.90	33.11	29.70	47.57	68.20	20.63	Peak
6	17010.00	41.56	10.44	31.19	26.00	46.81	68.20	21.39	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

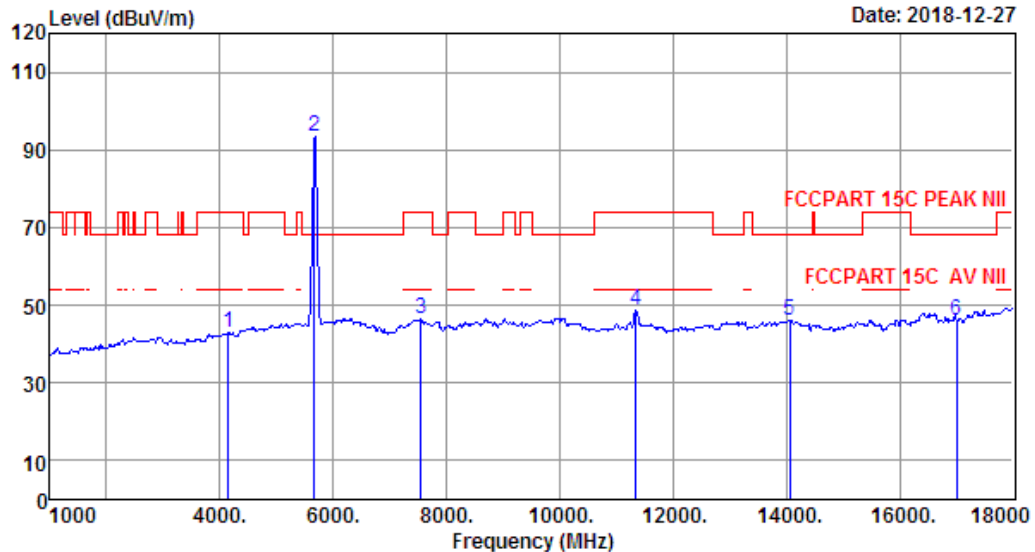
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 138

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 138
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT40 TX 5670MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4145.00	30.66	4.33	35.98	43.98	42.99	74.00	31.01	Peak
2	5670.00	33.17	5.17	35.98	91.27	93.63	68.20	-25.43	Peak
3	7545.00	37.25	6.16	32.94	35.96	46.43	74.00	27.57	Peak
4	11340.00	40.03	8.32	32.84	33.04	48.55	74.00	25.45	Peak
5	14056.00	41.65	10.13	32.95	27.32	46.15	68.20	22.05	Peak
6	17010.00	41.56	10.44	31.19	25.23	46.04	68.20	22.16	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

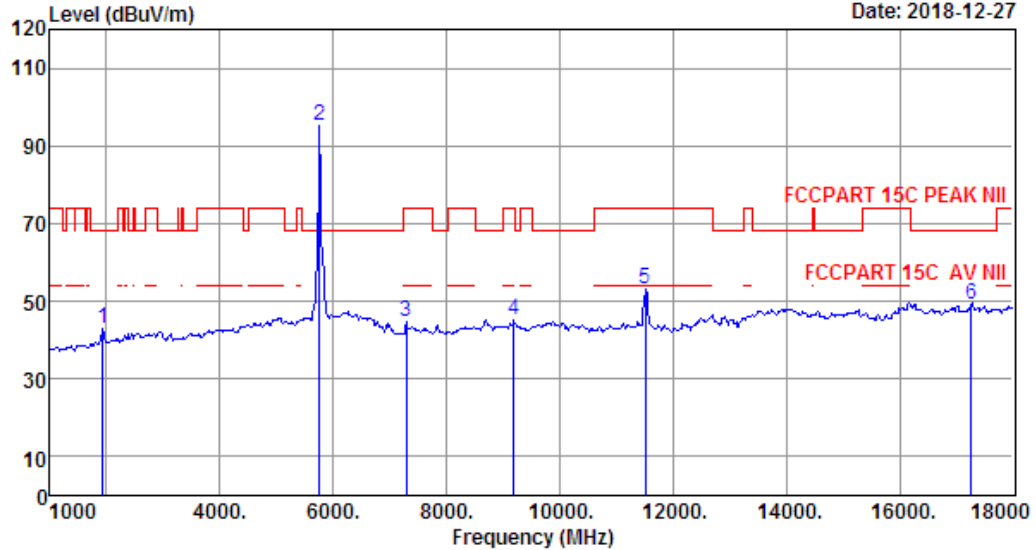
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 139

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : site Data no. : 139
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT40 TX 5755MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1935.00	26.29	2.87	34.79	48.79	43.16	68.20	25.04	Peak
2	5760.00	33.26	5.23	35.90	92.69	95.28	68.20	-27.08	Peak
3	7290.00	36.74	6.07	33.34	35.26	44.73	74.00	29.27	Peak
4	9194.00	38.24	7.03	34.20	34.07	45.14	74.00	28.86	Peak
5	11510.00	40.10	8.28	32.52	37.50	53.36	74.00	20.64	Peak
6	17265.00	42.51	11.02	31.18	26.81	49.16	68.20	19.04	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

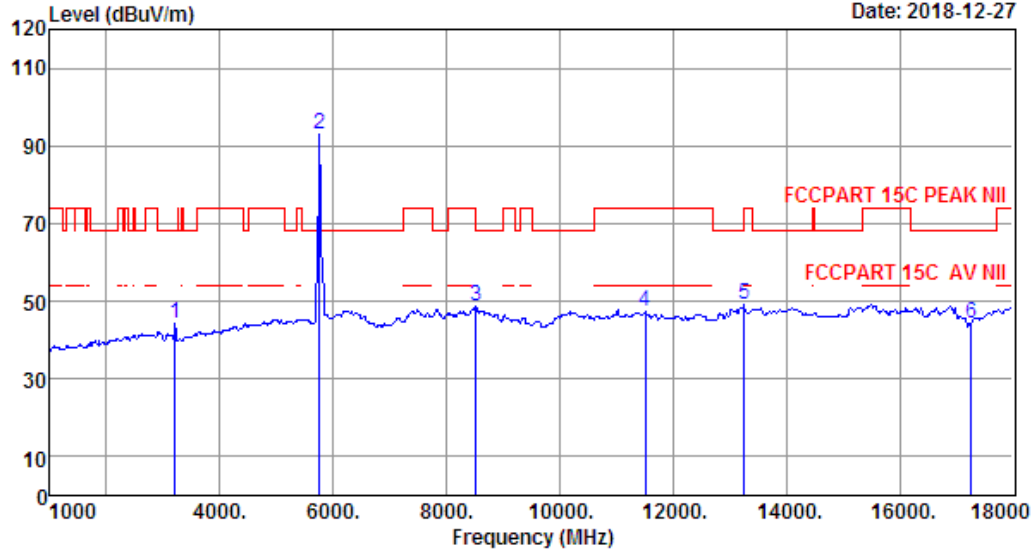
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 140

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 140
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15C PEAK NII
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Seven
EUT : 8" Android Tablet
Power : DC 5V From Adapter Input AC 120V/60Hz
M/N : ONA19TB002
Test Mode : IEEE 802.11n HT40 TX 5755MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	3210.00	28.81	3.72	37.01	48.95	44.47	68.20	23.73	Peak
2	5755.00	33.26	5.23	35.90	90.43	93.02	68.20	-24.82	Peak
3	8514.00	37.22	6.90	33.67	38.10	48.55	68.20	19.65	Peak
4	11510.00	40.10	8.28	32.52	31.56	47.42	74.00	26.58	Peak
5	13257.00	40.72	9.34	32.67	31.61	49.00	74.00	25.00	Peak
6	17265.00	42.51	11.02	31.18	22.08	44.43	68.20	23.77	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

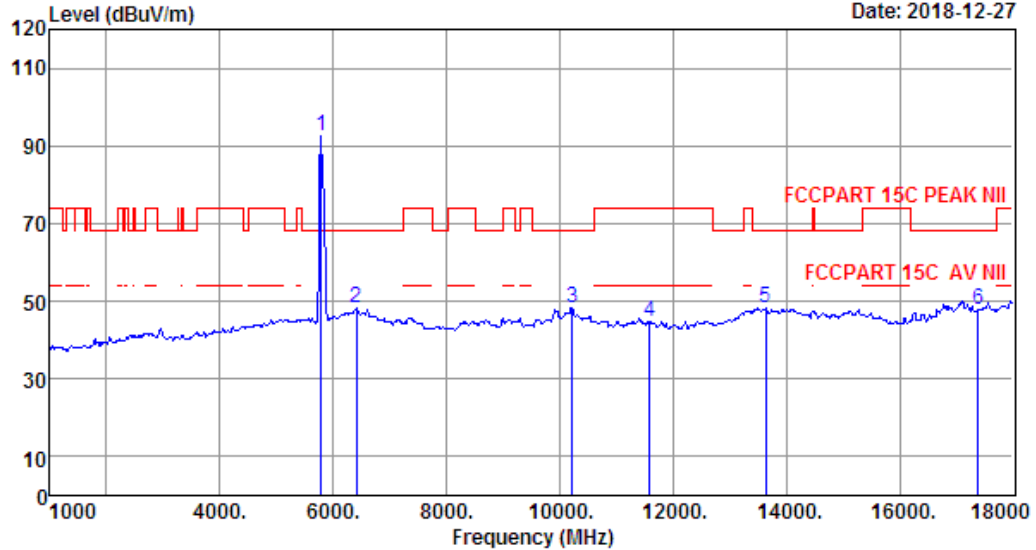
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 141

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : site Data no. : 141
Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
Limit : FCCPART 15C PEAK NII
Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Seven
EUT : 8" Android Tablet
Power : DC 5V From Adapter Input AC 120V/60Hz
M/N : ONA19TB002
Test Mode : IEEE 802.11n HT40 TX 5795MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5795.00	33.29	5.29	35.86	89.87	92.59	68.20	-24.39	Peak
2	6406.00	34.86	5.70	35.28	42.78	48.06	68.20	20.14	Peak
3	10214.00	39.19	9.77	34.43	33.95	48.48	68.20	19.72	Peak
4	11590.00	39.98	8.26	32.39	28.70	44.55	74.00	29.45	Peak
5	13631.00	41.41	9.85	32.61	29.48	48.13	68.20	20.07	Peak
6	17385.00	42.96	11.29	30.99	24.43	47.69	68.20	20.51	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

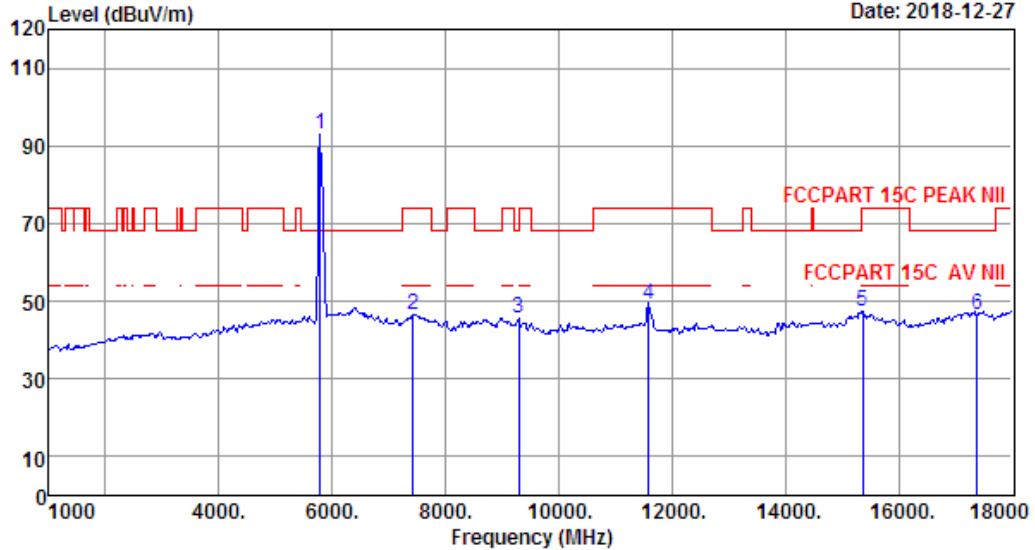
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 142

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 142
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT40 TX 5795MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5795.00	33.29	5.29	35.86	90.47	93.19	68.20	-24.99	Peak
2	7426.00	37.05	6.13	33.11	36.50	46.57	74.00	27.43	Peak
3	9296.00	38.43	7.08	34.51	34.76	45.76	68.20	22.44	Peak
4	11590.00	39.98	8.26	32.39	33.12	48.97	74.00	25.03	Peak
5	15365.00	39.72	10.93	32.64	29.24	47.25	74.00	26.75	Peak
6	17385.00	42.96	11.29	30.99	23.34	46.60	68.20	21.60	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

Above 18GHz

Pass

Note: The amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

9. CONDUCTED UNWANTED EMISSIONS

9.1. Limit

According to RSS-247 §5.5, in any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the radio frequency power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under section 5.4(4), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Tables 2 and 3 is not required. In addition, radiated emissions which fall in the restricted bands of Table 1 must also comply with the radiated emission limits specified in Tables 2 and 3.

9.2. Test Procedure

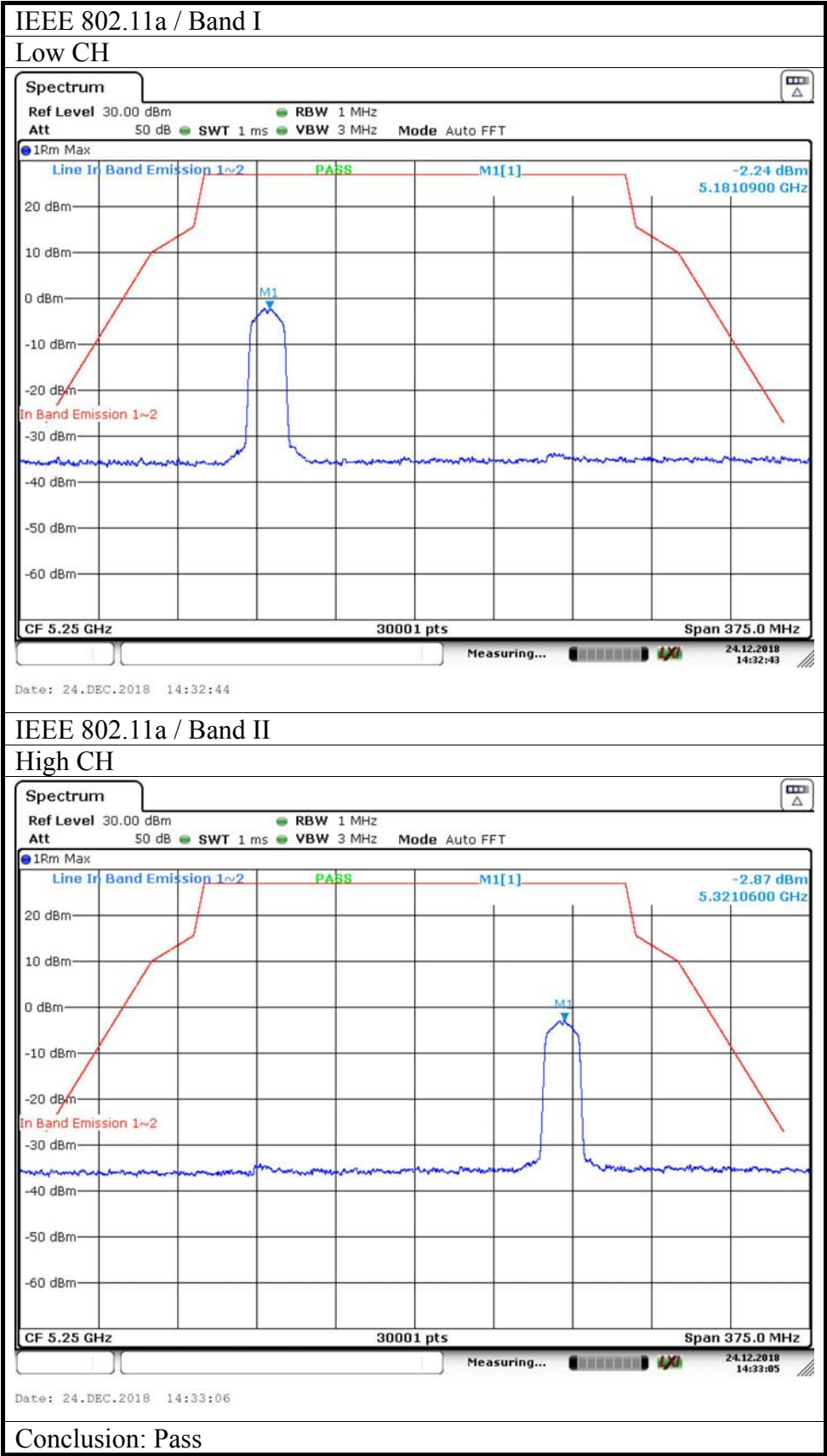
Conducted RF measurements of the transmitter output were made to confirm that the EUT antenna port conducted emissions meet the specified limit and to identify any spurious signals that require further investigation or measurements on the radiated emissions site. The transmitter output is connected to the spectrum analyzer. The resolution bandwidth is set to 1MHz. The video bandwidth is set to 3MHz.

Measurements are made over the 30MHz to 40GHz range with the transmitter set to the lowest, middle, and highest channels.

9.3. Test Result

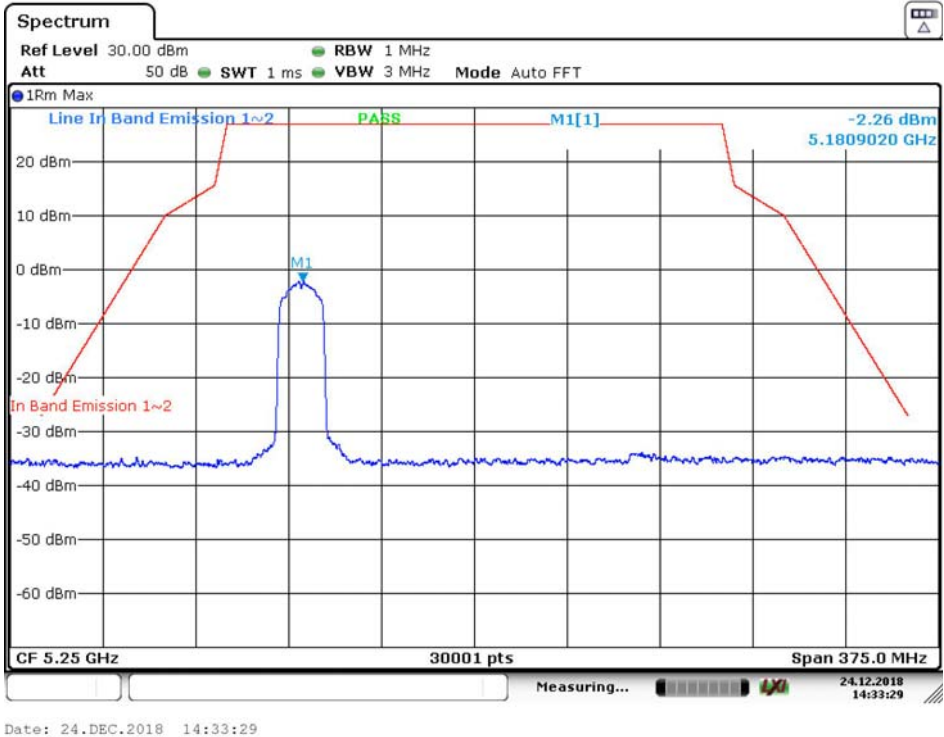
Pass (The testing data was attached in the next pages.)

9.4. Test Data



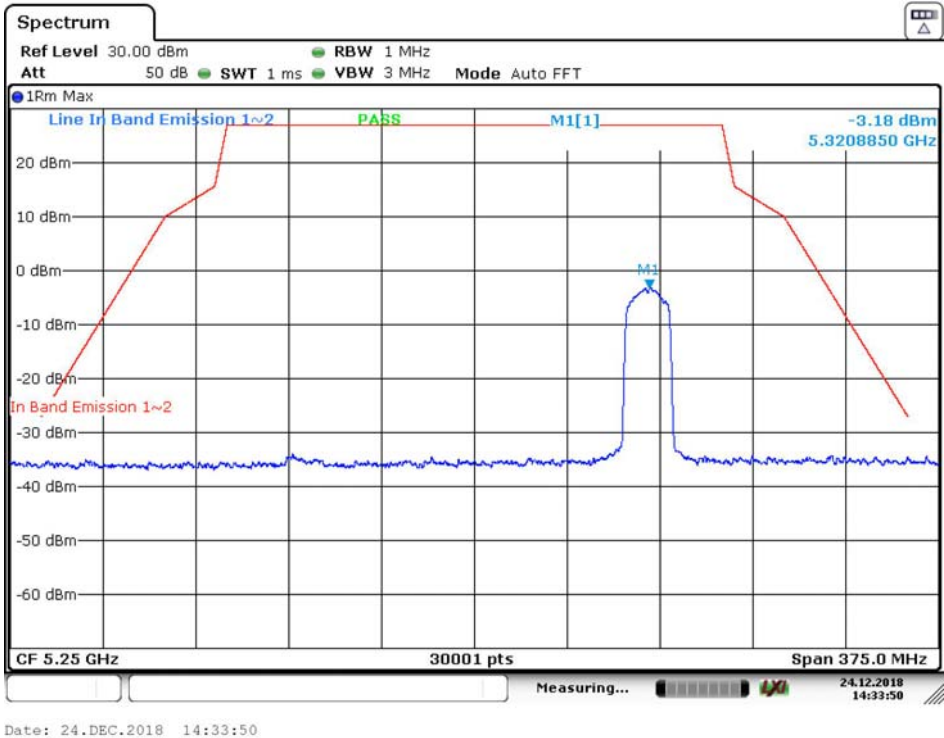
IEEE 802. 11n HT20 / Band I

Low CH



IEEE 802. 11n HT20 / Band II

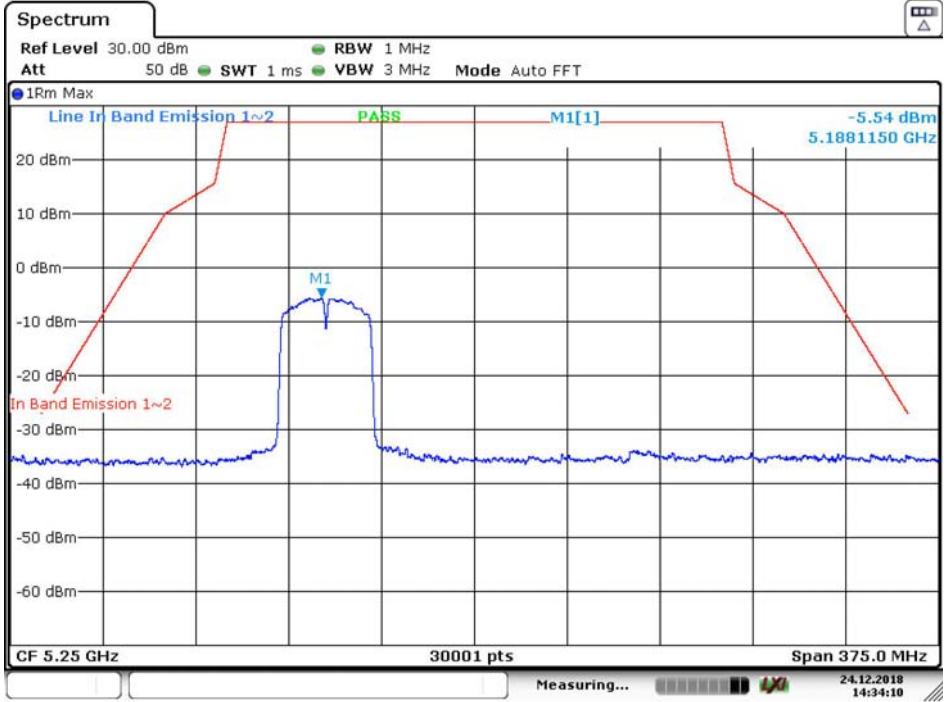
High CH



Conclusion: Pass

IEEE 802. 11n HT40 / Band I

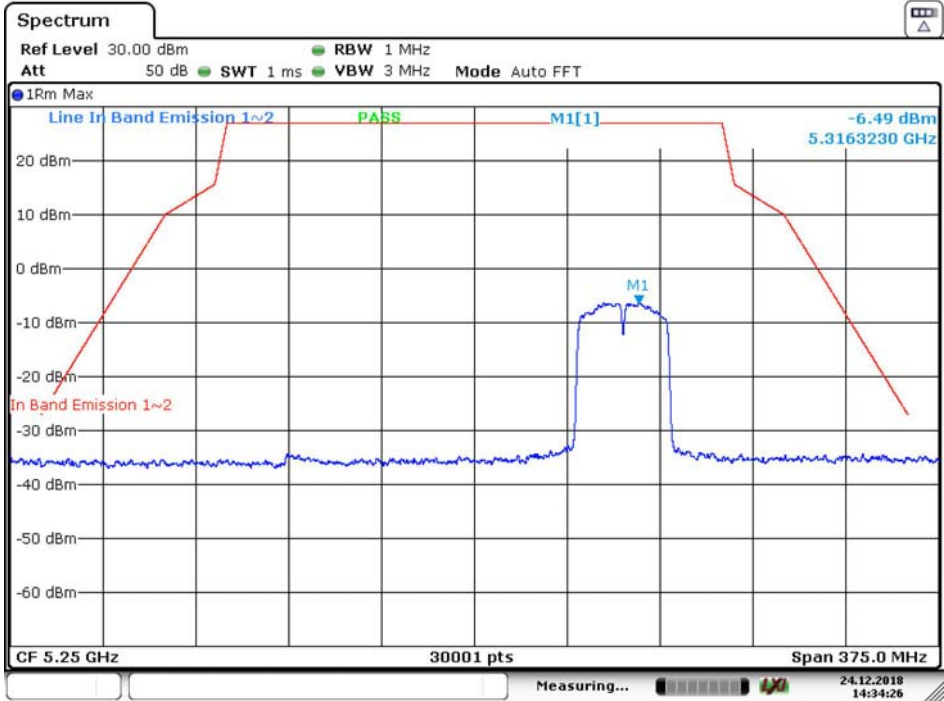
Low CH



Date: 24.DEC.2018 14:34:10

IEEE 802. 11n HT40 / Band II

High CH

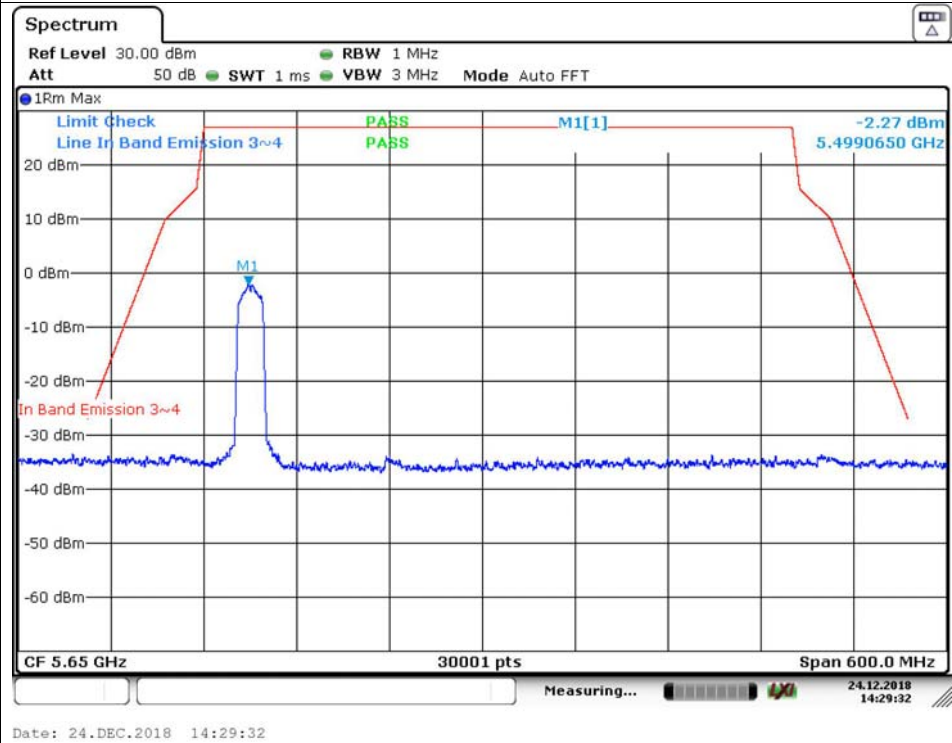


Date: 24.DEC.2018 14:34:27

Conclusion: Pass

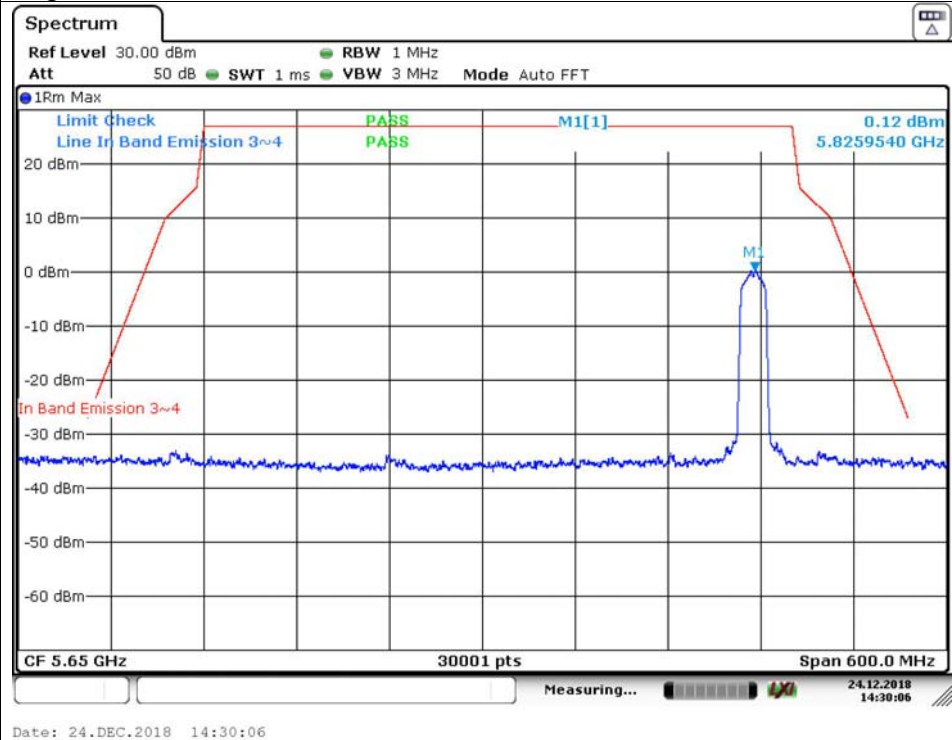
IEEE 802.11a / Band III

Low CH



IEEE 802.11a / Band IV

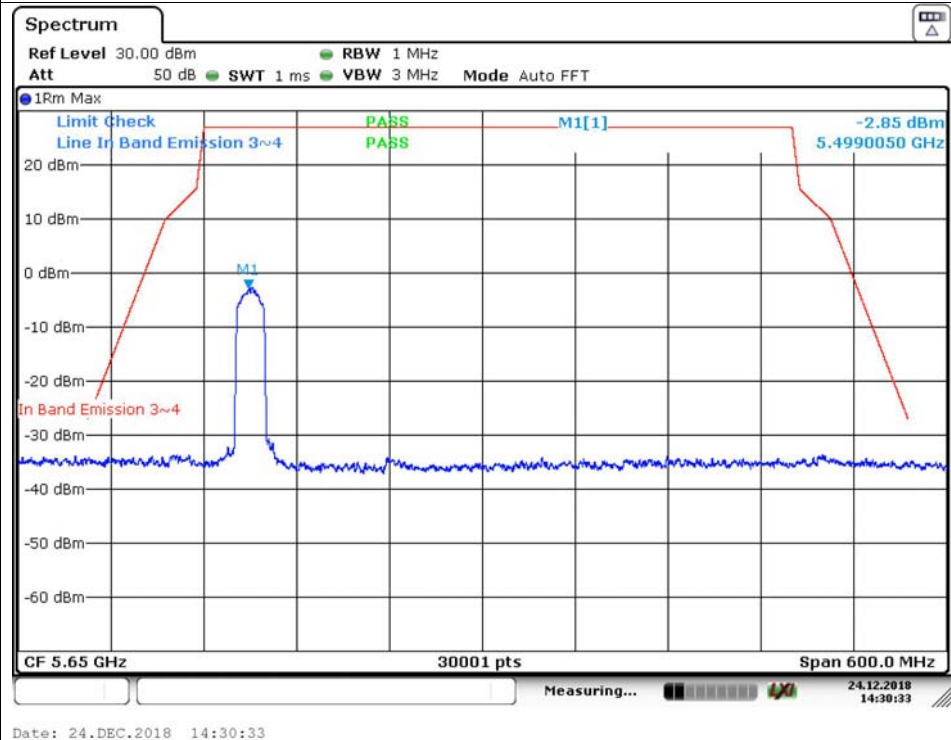
High CH



Conclusion: Pass

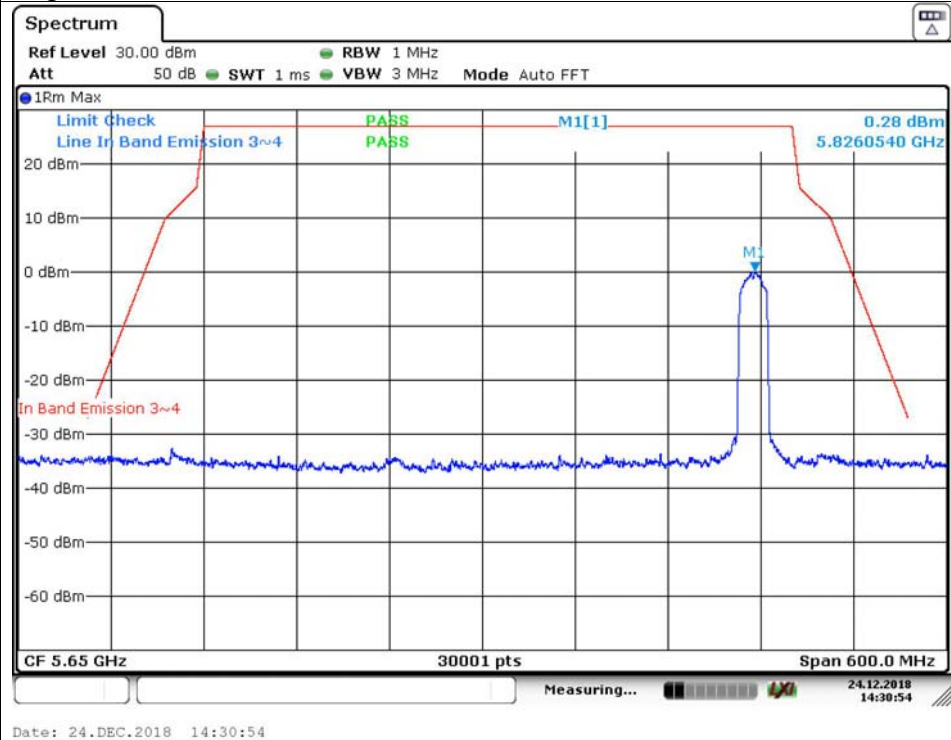
IEEE 802.11n HT20/ Band III

Low CH

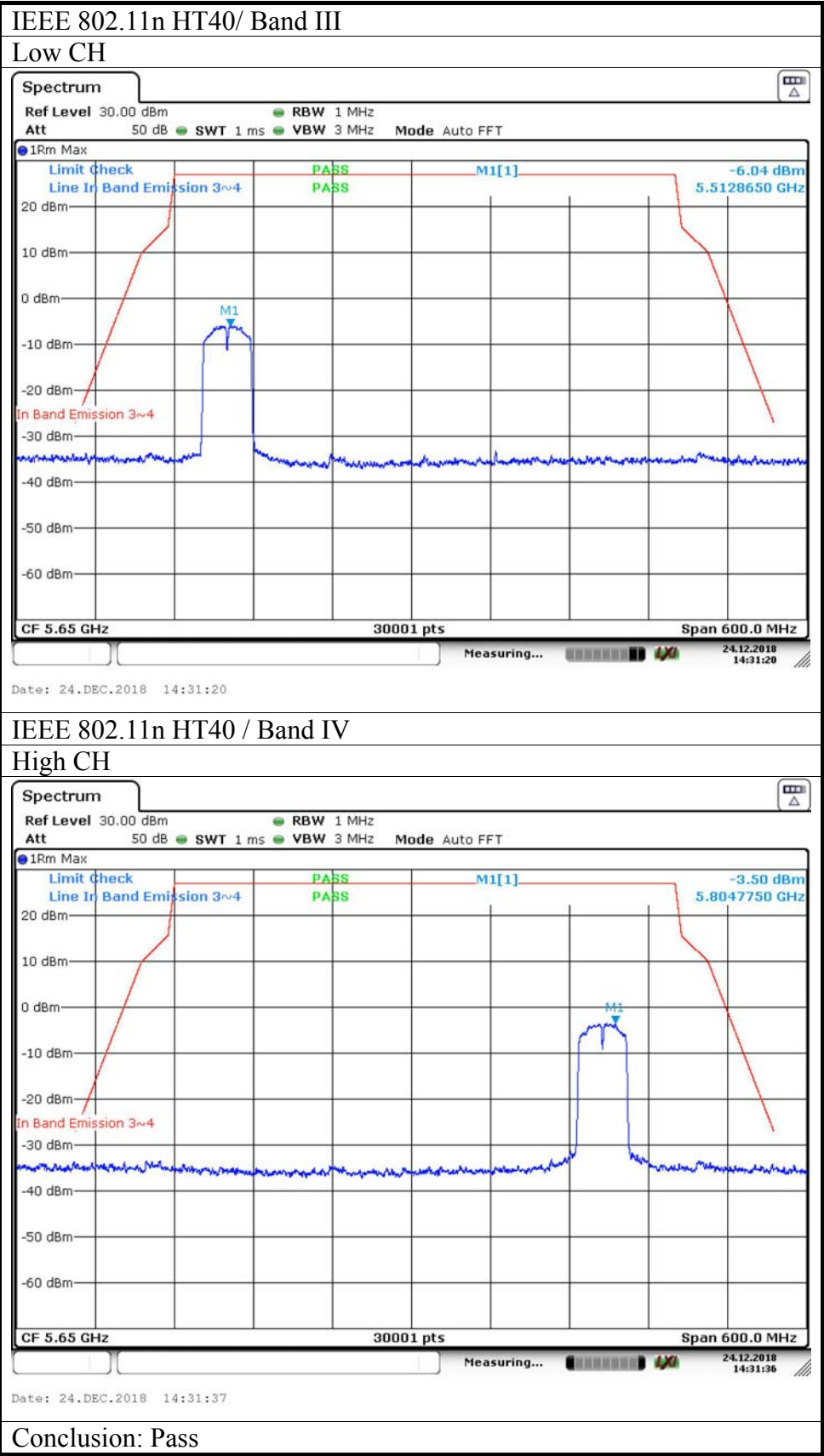


IEEE 802.11n HT20 / Band IV

High CH



Conclusion: Pass

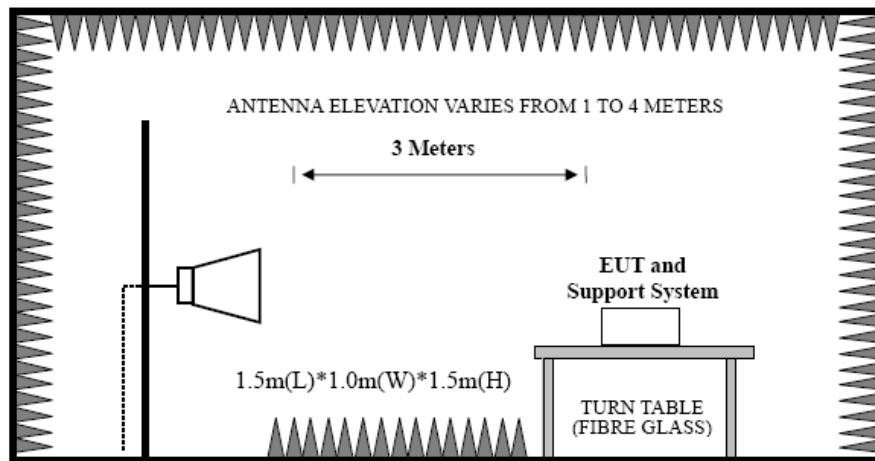


10.BAND EDGE COMPLIANCE

10.1.Limit

- 1、The provisions of Section 15.205 of this part apply to intentional radiators operating under this section.
- 2、When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency block edges as the design of the equipment permits.

10.2.Block Diagram of Test setup



10.3.Test Procedure

EUT was placed on a turn table, which is 1.5 m high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it working in test mode, then test it. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on test.

Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of emissions

Peak : RBW = 1MHz, VBW = 1MHz, Detector=PEAK detector, Sweep time = auto.

AV : RBW = 1MHz, VBW = 10Hz, Detector=PEAK detector, Sweep time = auto.

10.4. Test Result

Pass (The testing data was attached in the next pages.)

Note: 1、 For emissions above 1GHz, if peak level comply with average limit, then the average level is deemed to comply with average limit.

- 2、 The frequency 5180MHz 、 5190MHz、 5230 MHz、 5240 MHz、 5260 MHz、 5270 MHz、 5310 MHz、 5320 MHz is fundamental frequency which no limit, the limit on plots is automatically generated by the software, it's not fundamental limit, we can't remove it.
- 3、 IEEE 802.11a mode (UNII Band III)
 - (1) Operating Frequency: 5500-5700MHz
 - (2) CH Low: 5500MHz, CH High: 5700MHz
 - (3) 26dB bandwidth: CH Low: 20.13MHz, CH High: 20.14MHz
 - (4) Frequency Range: 5489.935MHz, 5710.070MHz
- 4、 IEEE 802.11a mode (UNII Band IV)
 - (1) Operating Frequency: 5745-5825MHz
 - (2) CH Low: 5745MHz, CH High: 5825MHz
 - (3) 26dB bandwidth: CH Low: 19.97MHz, CH High: 20.32MHz
 - (4) Frequency Range: 5735.015MHz, 5835.160MHz
- 5、 IEEE 802.11n HT20 mode (UNII Band III)
 - (1) Operating Frequency: 5500-5700MHz
 - (2) CH Low: 5500MHz, CH High: 5700MHz
 - (3) 26dB bandwidth: CH Low: 20.28MHz, CH High: 20.44MHz
 - (4) Frequency Range: 5489.860MHz, 5710.220MHz
- 6、 IEEE 802.11n HT20 mode (UNII Band IV)
 - (1) Operating Frequency: 5745-5825MHz
 - (2) CH Low: 5745MHz, CH High: 5825MHz
 - (3) 26dB bandwidth: CH Low: 20.34MHz, CH High: 20.44MHz
 - (4) Frequency Range: 5734.830MHz, 5835.220MHz
- 7、 IEEE 802.11n HT40 mode (UNII Band III)
 - (1) Operating Frequency: 5510-5670MHz
 - (2) CH Low: 5510MHz, CH High: 5670MHz
 - (3) 26dB bandwidth: CH Low: 40.14MHz, CH High: 40.37MHz
 - (4) Frequency Range: 5489.930MHz, 5690.185MHz
- 8、 IEEE 802.11a mode (UNII Band IV)
 - (1) Operating Frequency: 5755-5795MHz
 - (2) CH Low: 5755MHz, CH High: 5795MHz
 - (3) 26dB bandwidth: CH Low: 40.30MHz, CH High: 40.72MHz
 - (4) Frequency Range: 5734.850MHz, 5815.360MHz
- 9、 Refer to 9.4.3~9.4.8, Because the mentioned conditions the Fundamental Frequency Range was far away from the restricted bands in the table published in 15.205, the test is not applicable.

10.5. Test Data

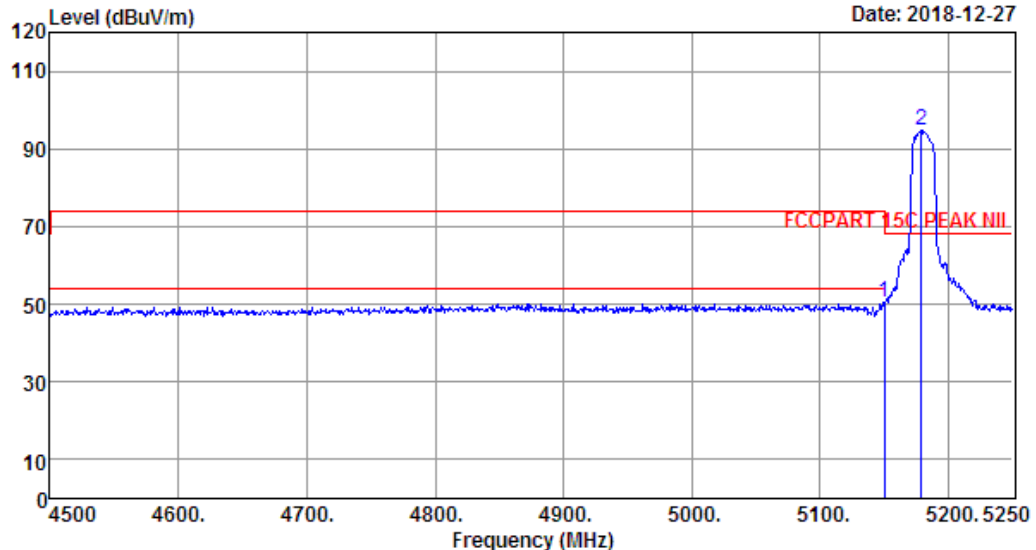
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 143

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 143
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11a TX 5180MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.58	4.88	35.44	48.61	50.63	68.20	17.57	Peak
2	5178.75	32.62	4.89	35.48	92.93	94.96	68.20	-26.76	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

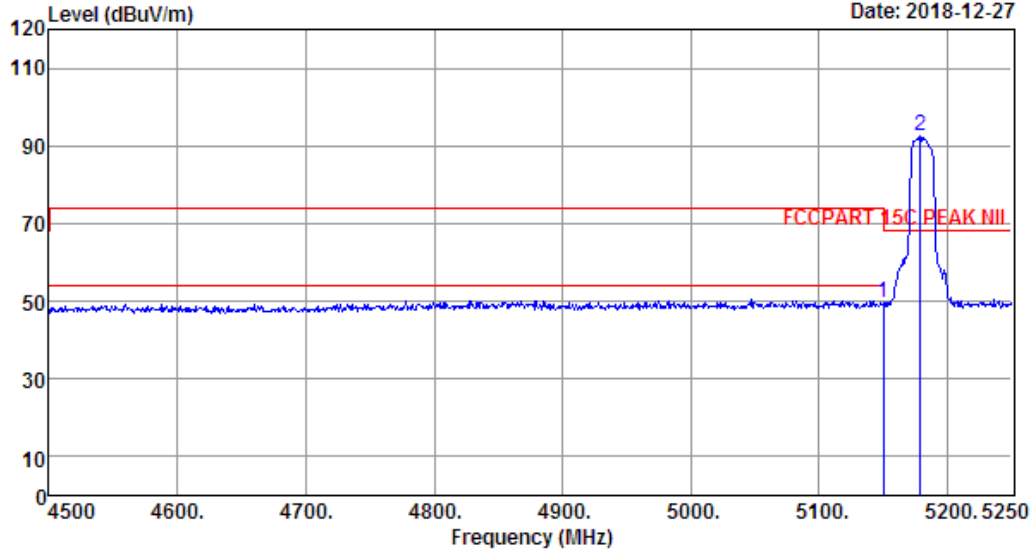
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 144

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 144
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11a TX 5180MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.58	4.88	35.44	47.65	49.67	68.20	18.53	Peak
2	5178.75	32.62	4.89	35.48	90.55	92.58	68.20	-24.38	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

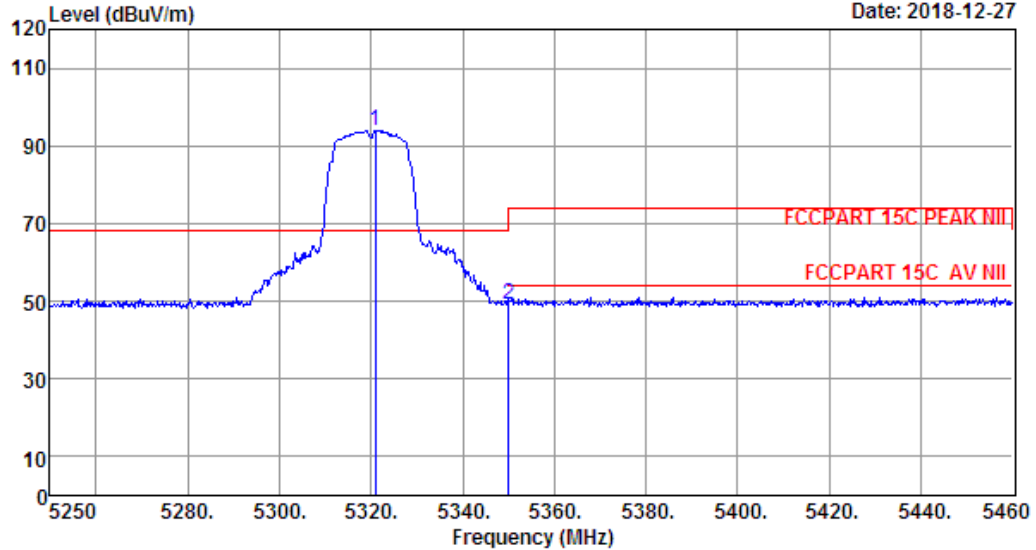
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 145

File: \\Emc-966-1\test data\2018\EMC\RFIC\Chunghsin\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 145
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11a TX 5320MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5320.98	32.78	4.99	35.64	91.91	94.04	68.20	-25.84	Peak
2	5350.00	32.82	5.01	35.66	47.04	49.21	68.20	18.99	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

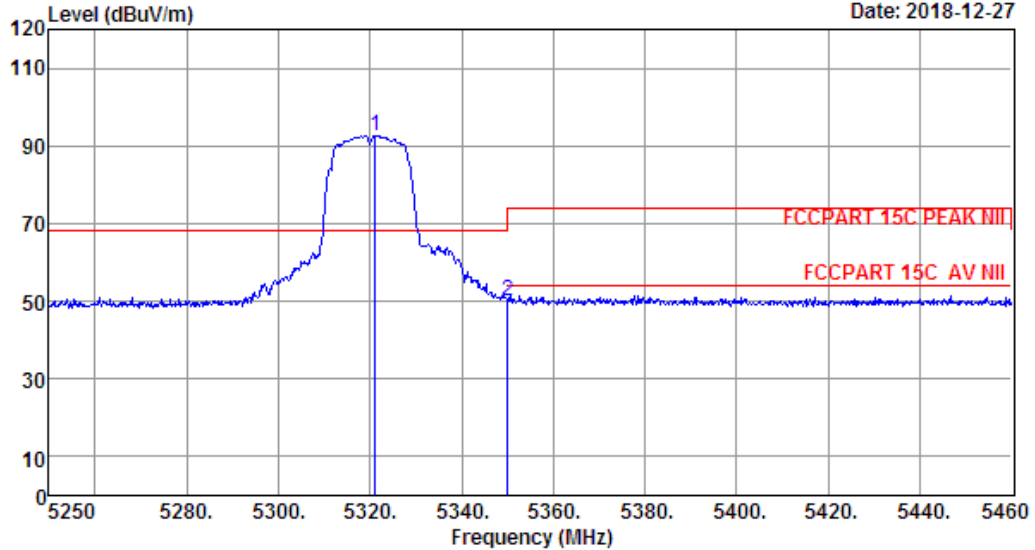
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 146

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 146
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11a TX 5320MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5321.19	32.78	4.99	35.64	90.57	92.70	68.20	-24.50	Peak
2	5350.00	32.82	5.01	35.66	48.02	50.19	68.20	18.01	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

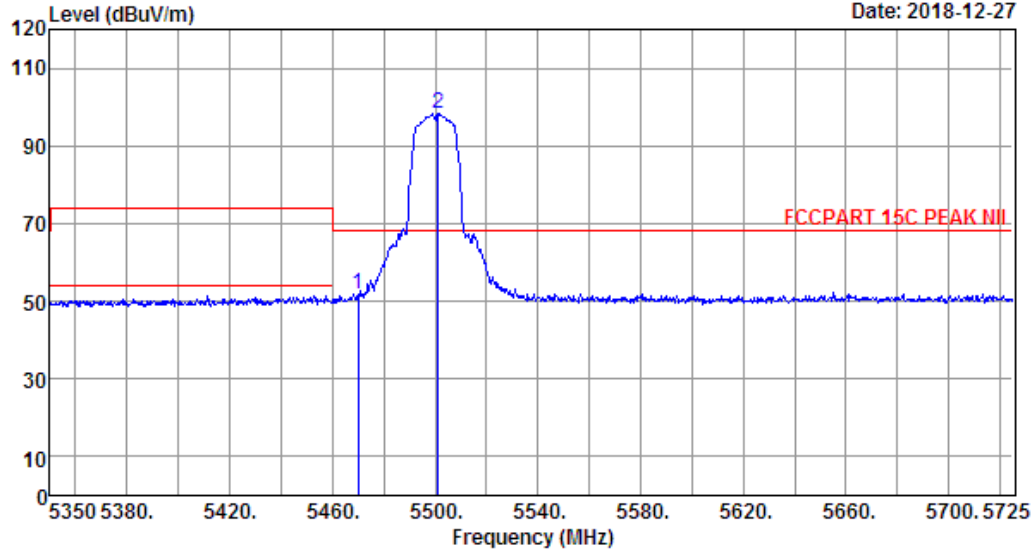
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 147

File: \\Emc-966-1\test data\2018\EMC\RFIC\Chunghsin\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 147
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11a TX 5500MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5470.00	32.96	5.10	35.80	49.58	51.84	68.20	16.36	Peak
2	5501.13	33.00	5.11	35.84	96.09	98.36	68.20	-30.16	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official
 limit are not reported.

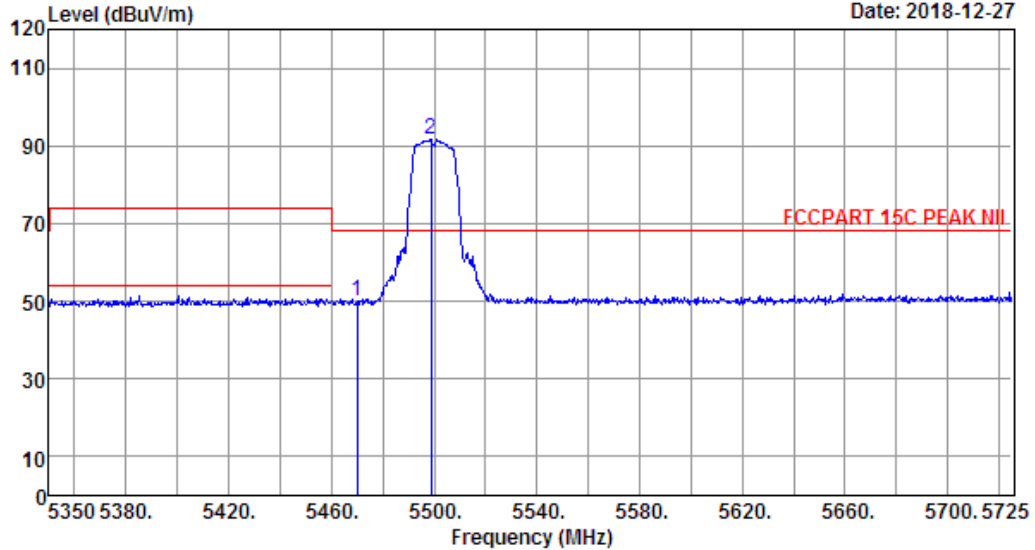
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 148

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 148
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11a TX 5500MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5470.00	32.96	5.10	35.80	47.99	50.25	68.20	17.95	Peak
2	5498.88	33.00	5.11	35.84	89.25	91.52	68.20	-23.32	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

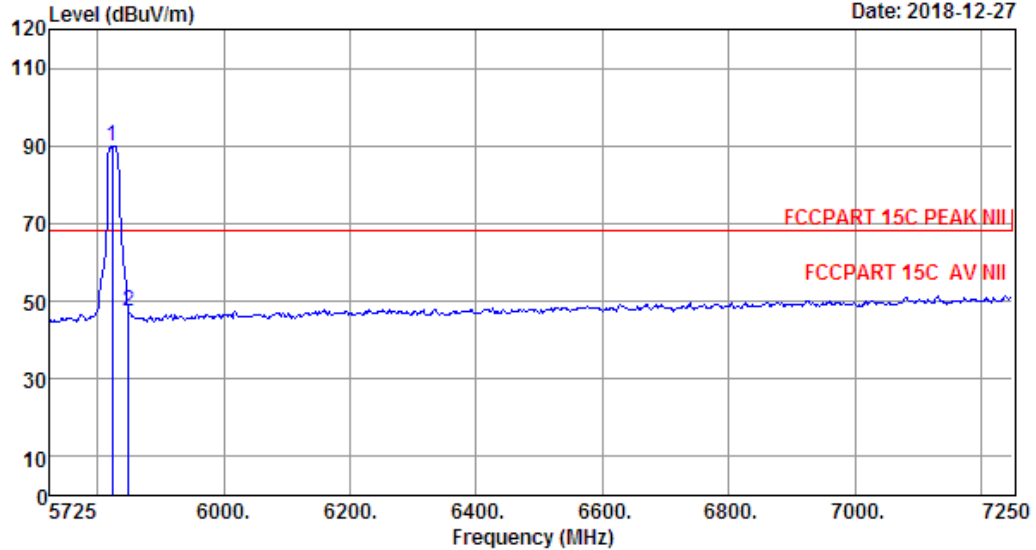
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 149

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 149
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11a TX 5825MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	5824.13	33.33	5.35	35.83	87.17	90.02	68.20	-21.82	Peak
2	5850.00	33.34	5.38	35.81	44.32	47.23	68.20	20.97	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

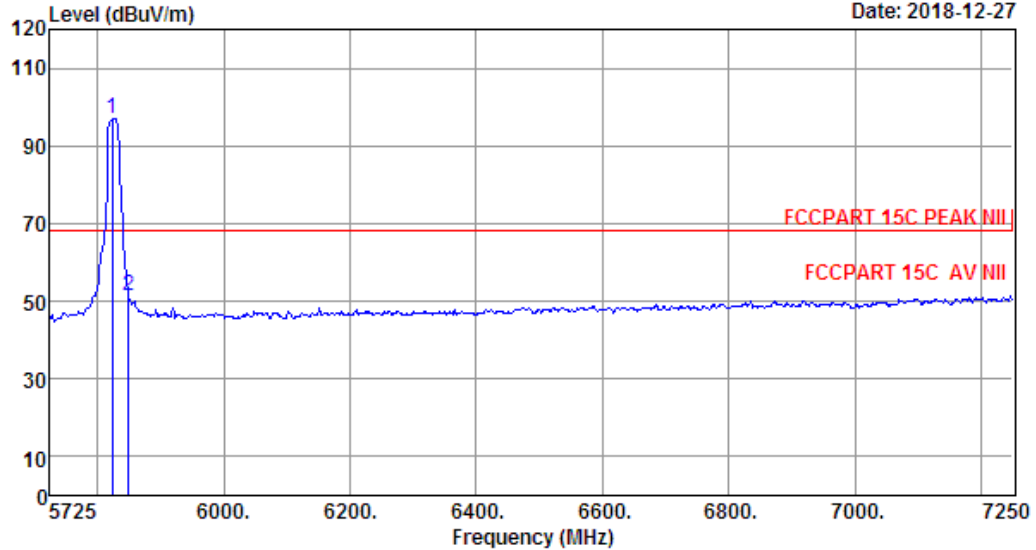
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 150

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : site Data no. : 150
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11a TX 5825MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	5824.13	33.33	5.35	35.83	94.17	97.02	68.20	-28.82	Peak
2	5850.00	33.34	5.38	35.81	48.61	51.52	68.20	16.68	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

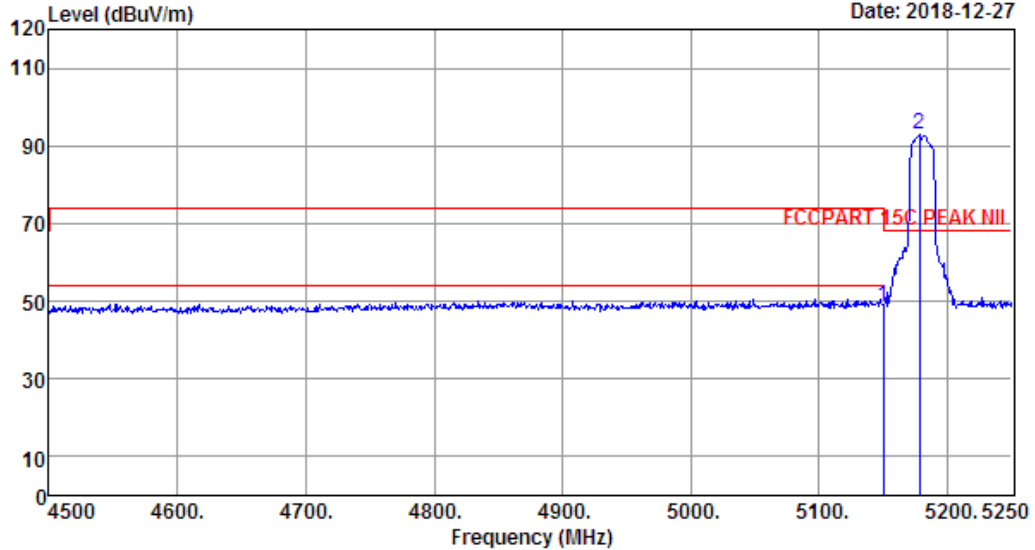
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 151

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 151
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT20 TX 5180MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.58	4.88	35.44	46.81	48.83	68.20	19.37	Peak
2	5178.00	32.62	4.89	35.48	90.94	92.97	68.20	-24.77	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

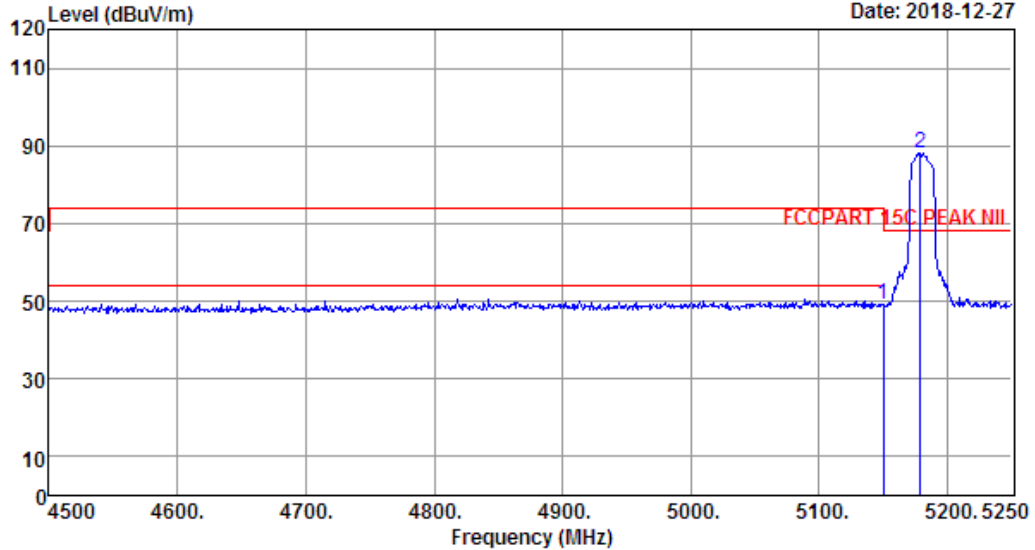
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 152

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 152
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT20 TX 5180MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.58	4.88	35.44	47.16	49.18	68.20	19.02	Peak
2	5178.75	32.62	4.89	35.48	86.25	88.28	68.20	-20.08	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

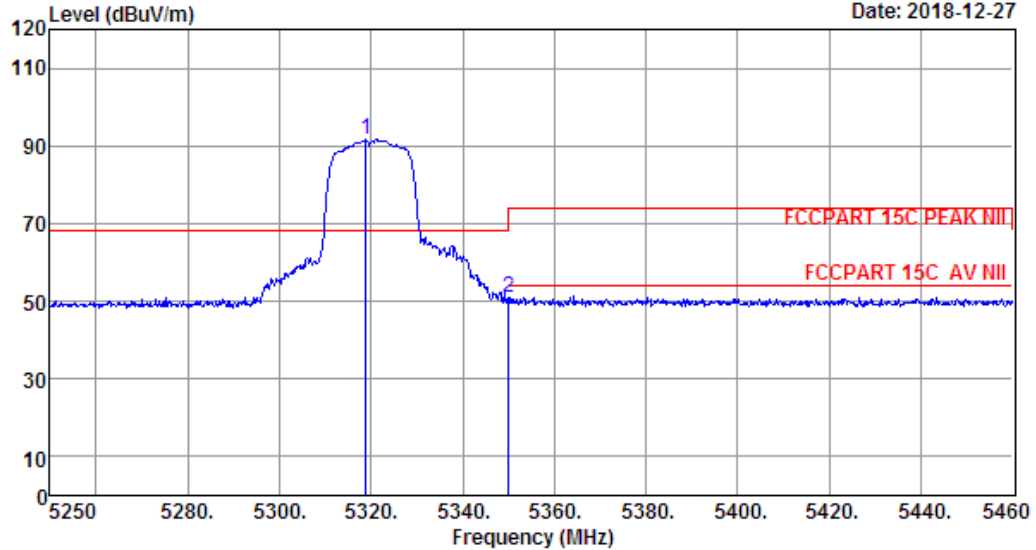
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 153

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 153
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT20 TX 5320MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5318.88	32.78	4.99	35.64	89.43	91.56	68.20	-23.36	Peak
2	5350.00	32.82	5.01	35.66	48.94	51.11	68.20	17.09	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

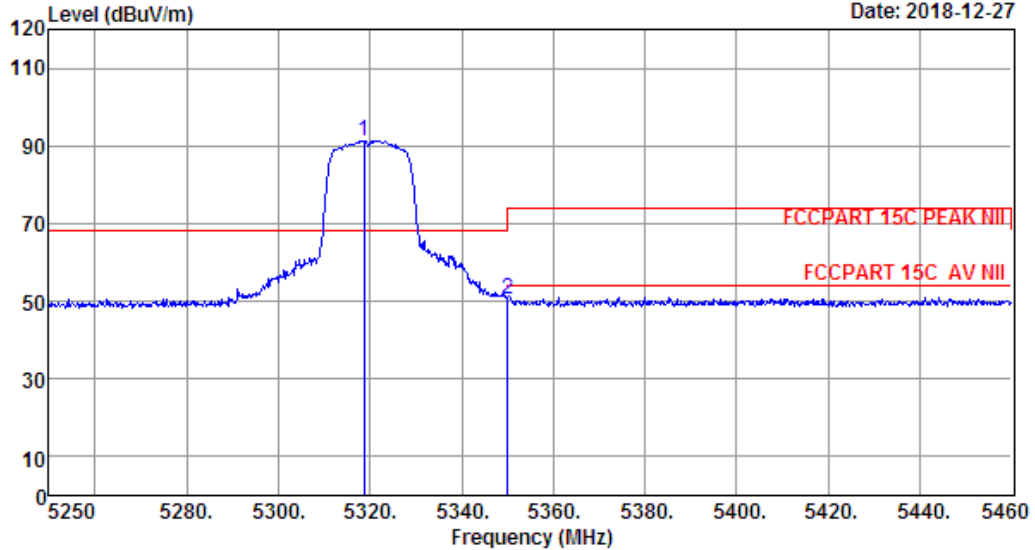
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 154

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : site Data no. : 154
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT20 TX 5320MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5318.67	32.78	4.99	35.64	89.28	91.41	68.20	-23.21	Peak
2	5350.00	32.82	5.01	35.66	48.30	50.47	68.20	17.73	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

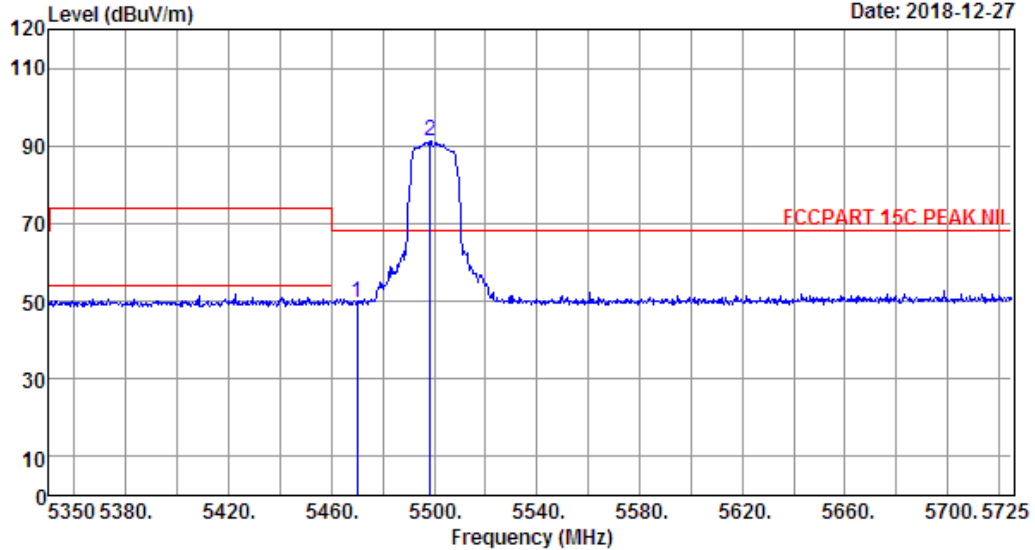
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 155

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 155
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT20 TX 5500MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5470.00	32.96	5.10	35.80	47.15	49.41	68.20	18.79	Peak
2	5498.50	33.00	5.11	35.84	88.96	91.23	68.20	-23.03	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

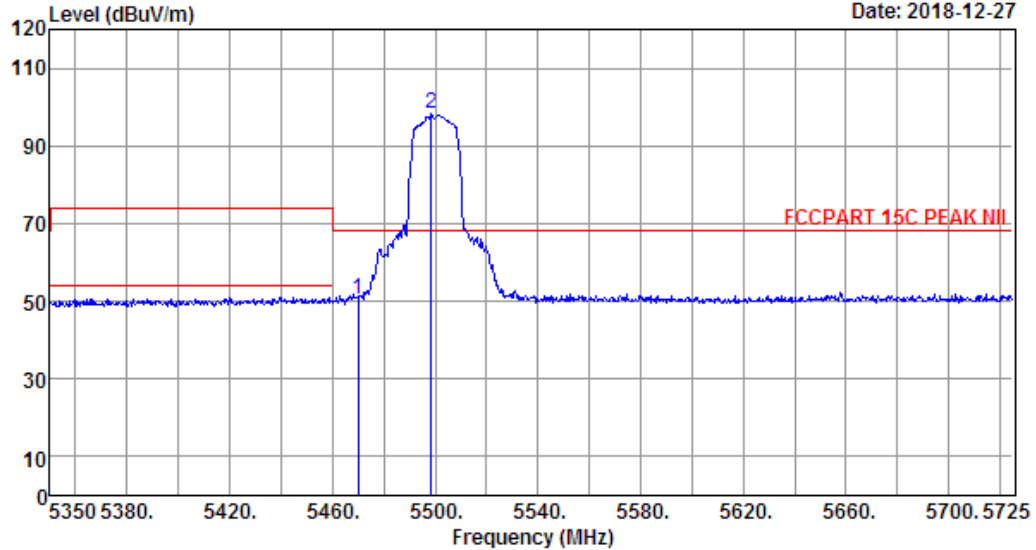
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 156

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 156
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT20 TX 5500MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5470.00	32.96	5.10	35.80	48.34	50.60	68.20	17.60	Peak
2	5498.50	33.00	5.11	35.84	95.82	98.09	68.20	-29.89	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

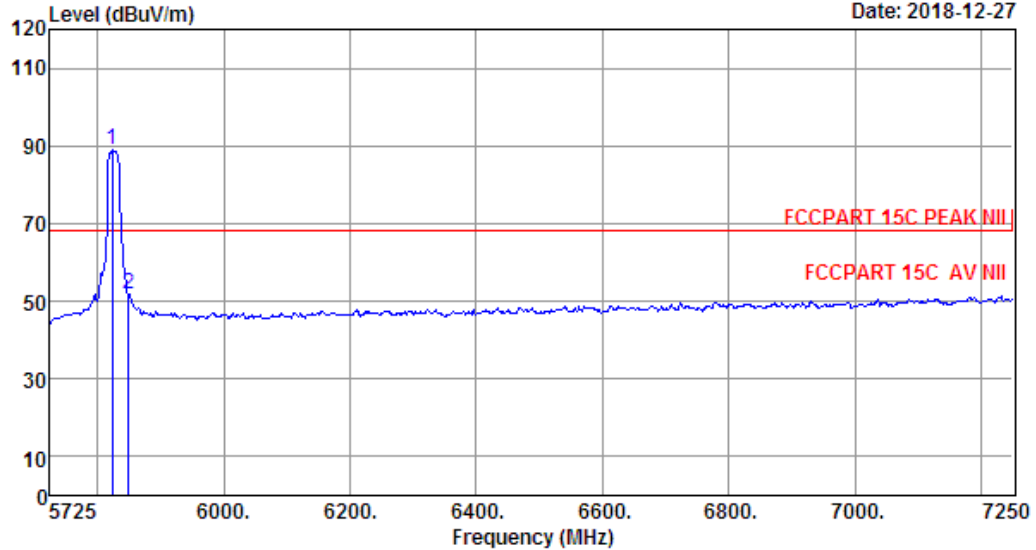
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 157

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : site Data no. : 157
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT20 TX 5825MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5824.13	33.33	5.35	35.83	86.08	88.93	68.20	-20.73	Peak
2	5850.00	33.34	5.38	35.81	49.06	51.97	68.20	16.23	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

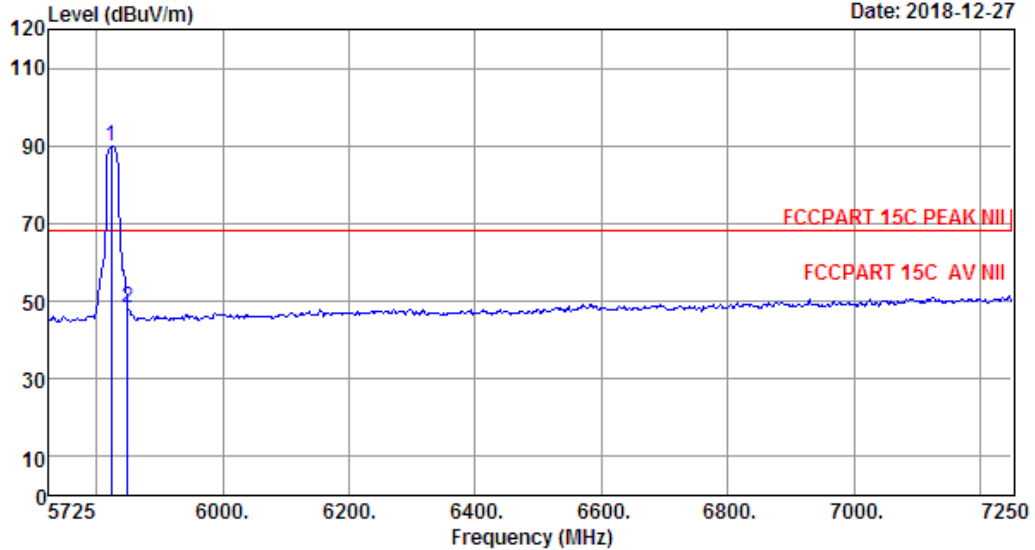
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 158

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 158
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT20 TX 5825MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5824.13	33.33	5.35	35.83	86.99	89.84	68.20	-21.64	Peak
2	5850.00	33.34	5.38	35.81	45.53	48.44	68.20	19.76	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

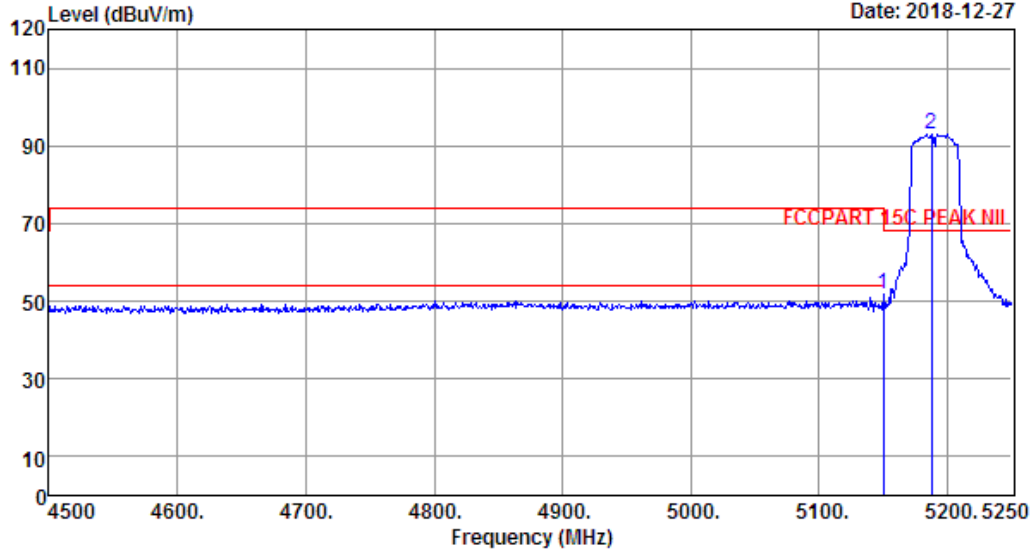
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 159

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 159
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT40 TX 5190MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.58	4.88	35.44	49.68	51.70	68.20	16.50	Peak
2	5187.75	32.62	4.89	35.48	90.92	92.95	68.20	-24.75	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

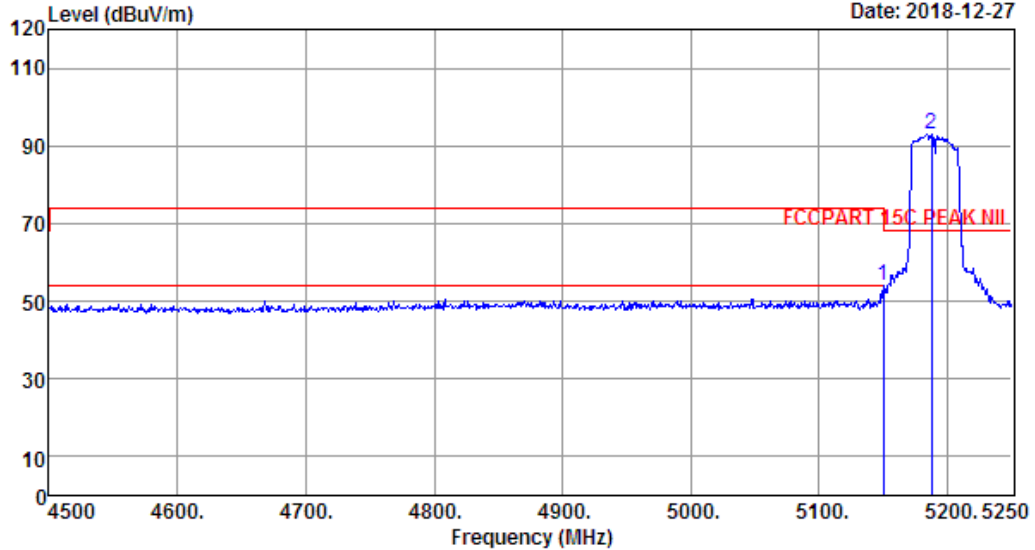
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 160

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 160
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT40 TX 5190MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.58	4.88	35.44	51.94	53.96	68.20	14.24	Peak
2	5187.75	32.62	4.89	35.48	91.02	93.05	68.20	-24.85	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official
 limit are not reported.

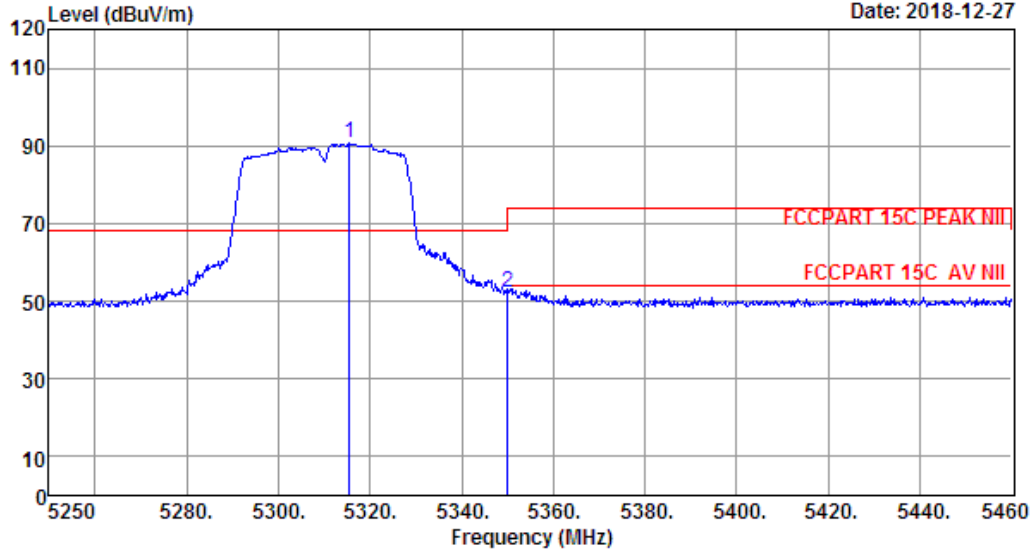
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 161

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 161
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT40 TX 5310MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5315.52	32.78	4.99	35.64	88.49	90.62	68.20	-22.42	Peak
2	5350.00	32.82	5.01	35.66	50.16	52.33	68.20	15.87	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

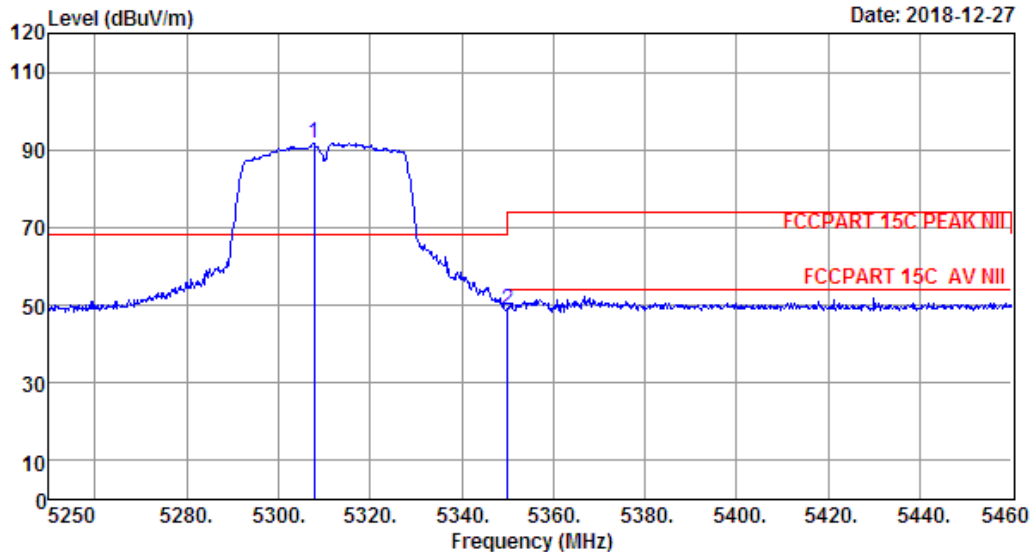
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 162

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 162
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT40 TX 5310MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5307.75	32.76	4.97	35.62	89.58	91.69	68.20	-23.49	Peak
2	5350.00	32.82	5.01	35.66	46.47	48.64	68.20	19.56	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

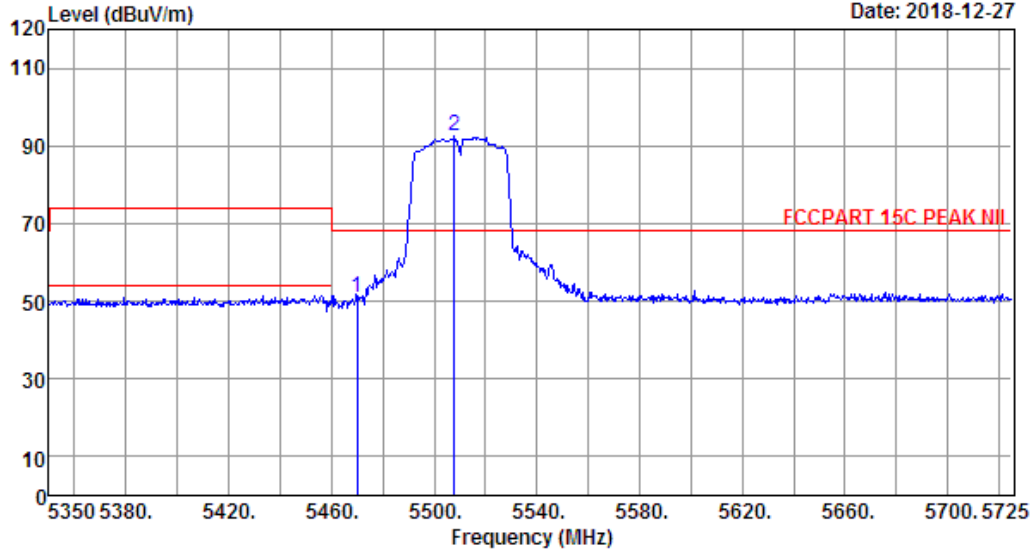
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 163

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 163
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT40 TX 5510MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5470.00	32.96	5.10	35.80	48.82	51.08	68.20	17.12	Peak
2	5507.88	33.00	5.11	35.84	90.17	92.44	68.20	-24.24	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

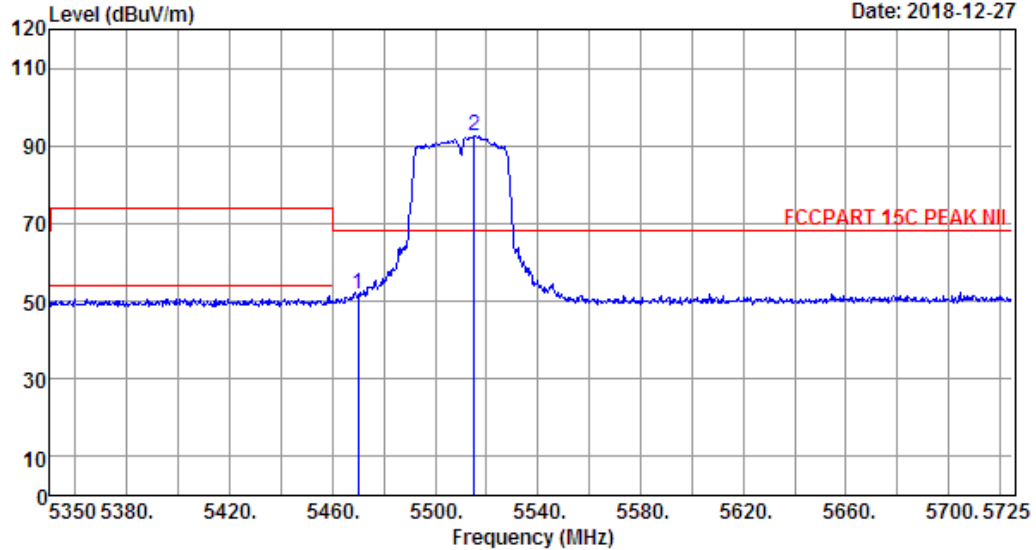
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 164

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 164
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT40 TX 5510MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5470.00	32.96	5.10	35.80	49.33	51.59	68.20	16.61	Peak
2	5515.38	33.02	5.12	35.86	90.24	92.52	68.20	-24.32	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

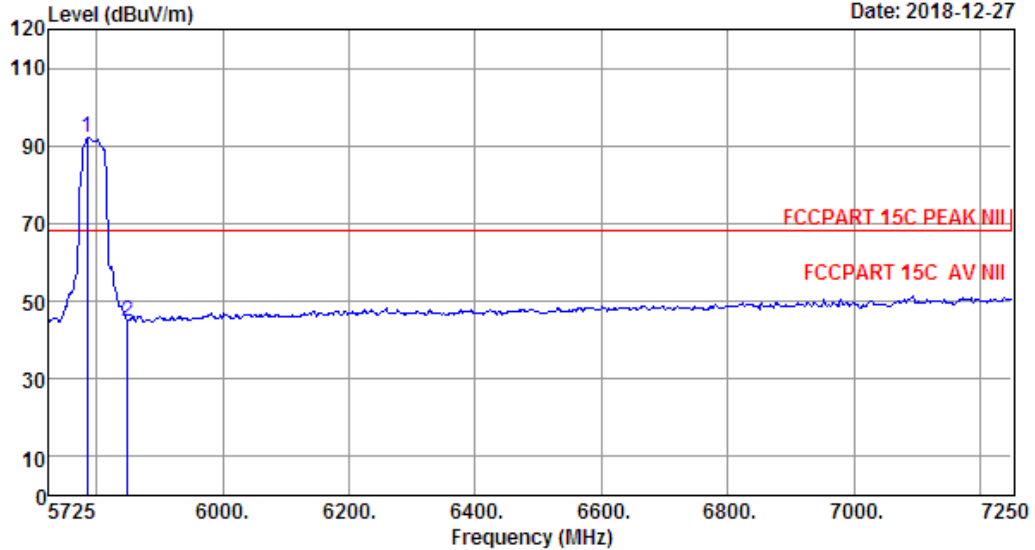
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 165

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : site Data no. : 165
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT40 TX 5795MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5786.00	33.29	5.29	35.86	89.38	92.10	68.20	-23.90	Peak
2	5850.00	33.34	5.38	35.81	42.02	44.93	68.20	23.27	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

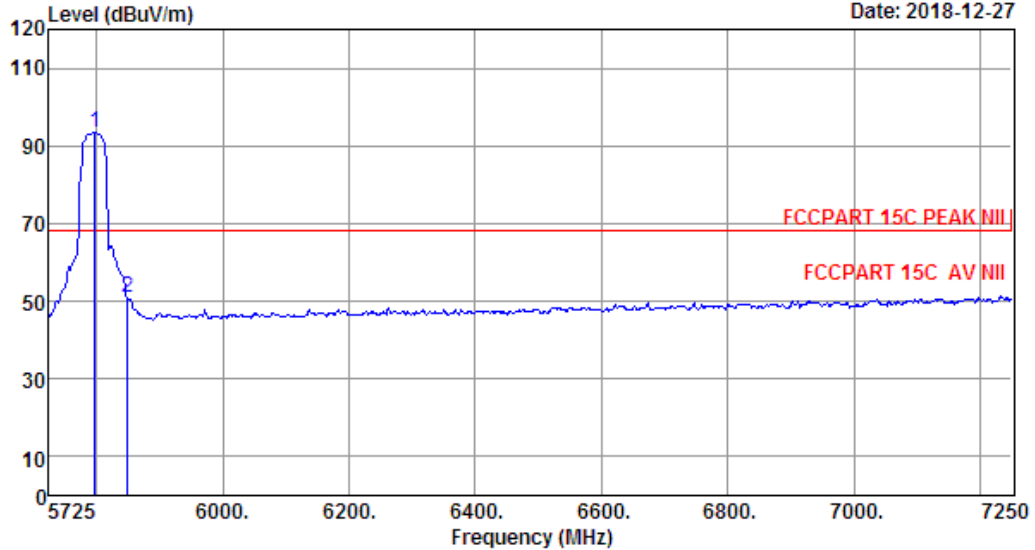
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 166

File: \\Emc-966-1\\test data\\2018\\EMC\\RFIC\\Chunghsin\\ONA19TB002.EM6 (174)

Date: 2018-12-27



Site no. : 1# 966 Chamber Data no. : 166
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15C PEAK NII
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Seven
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : IEEE 802.11n HT40 TX 5795MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	5798.20	33.29	5.29	35.86	90.62	93.34	68.20	-25.14	Peak
2	5850.00	33.34	5.38	35.81	47.87	50.78	68.20	17.42	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

11. POWER LINE CONDUCTED EMISSIONS

11.1. Limit

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μ V)	Average Level dB(μ V)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes: 1. * Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

11.2. Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#). This provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs). The AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10: 2013 on Conducted Emission Test.

The bandwidth of test receiver (R & S ESHS30) is set at 10kHz.

The frequency range from 150kHz to 30MHz is checked.

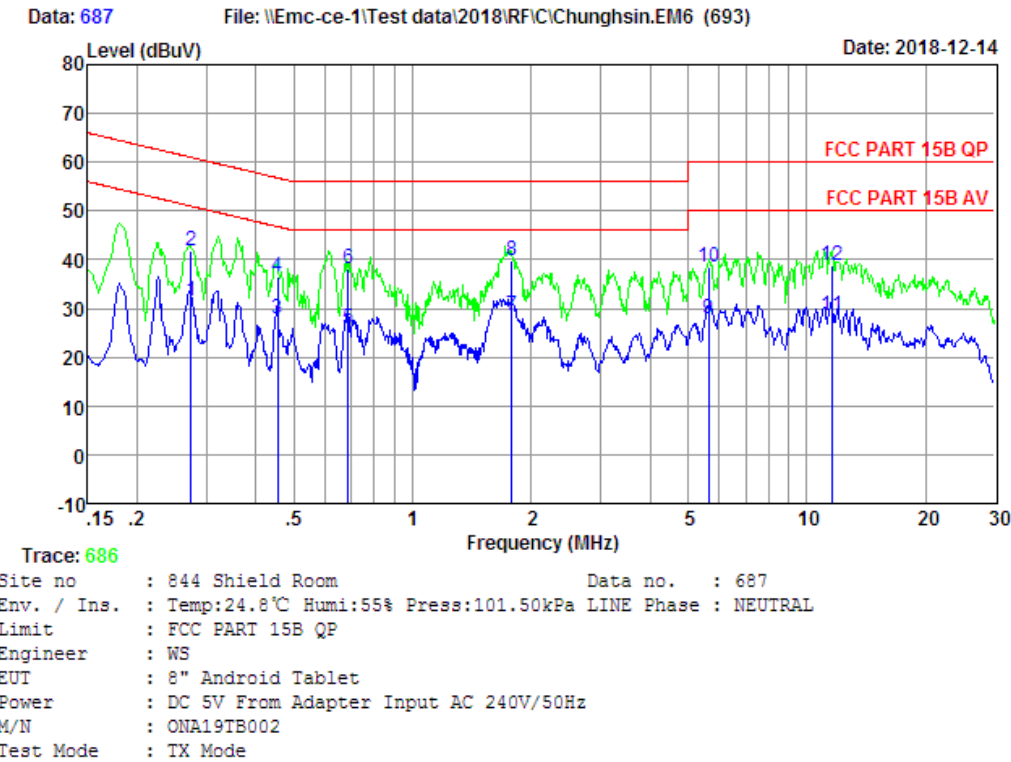
11.3. Test Result

PASS. (All emissions not reported below are too low against the prescribed limits.)

11.4.Test data

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel:+86-769-83081888
Fax:+86-769-83081878



	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.274	9.55	0.04	21.99	31.58	50.98	19.40	Average
2	0.274	9.55	0.04	32.06	41.65	60.98	19.33	QP
3	0.454	9.56	0.05	18.17	27.78	46.80	19.02	Average
4	0.454	9.56	0.05	27.04	36.65	56.80	20.15	QP
5	0.686	9.58	0.05	16.34	25.97	46.00	20.03	Average
6	0.686	9.58	0.05	28.63	38.26	56.00	17.74	QP
7	1.781	9.59	0.06	18.85	28.50	46.00	17.50	Average
8	1.781	9.59	0.06	30.06	39.71	56.00	16.29	QP
9	5.623	9.66	0.07	18.12	27.85	50.00	22.15	Average
10	5.623	9.66	0.07	28.86	38.59	60.00	21.41	QP
11	11.559	9.69	0.08	18.77	28.54	50.00	21.46	Average
12	11.559	9.69	0.08	29.07	38.84	60.00	21.16	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. If the average limit is met when using a quasi-peak detector,
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

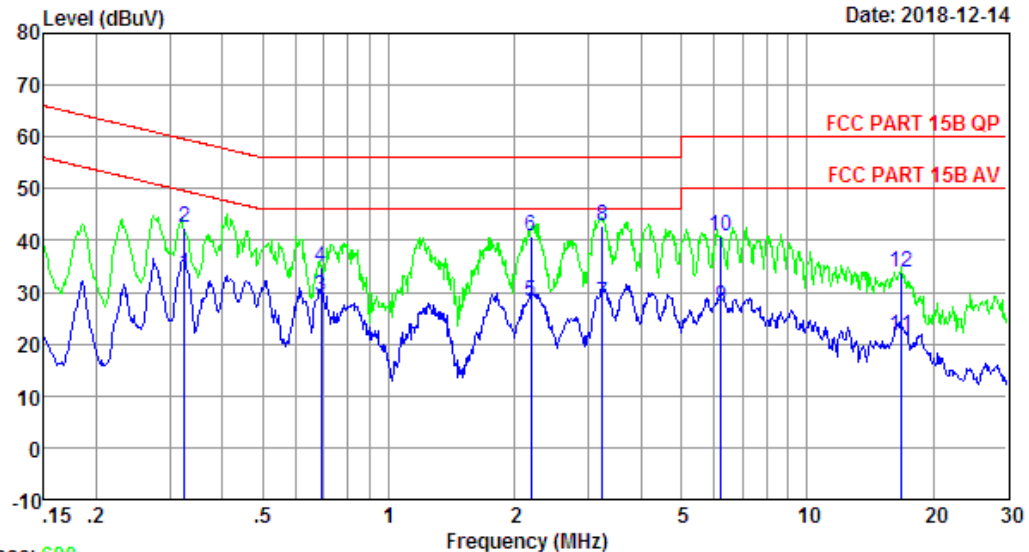
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 689

File: \\Emc-ce-1\Test data\2018\RFIC\Chunghsin.EM6 (693)

Date: 2018-12-14



Trace: 688

Site no : 844 Shield Room Data no. : 689
 Env. / Ins. : Temp:24.8°C Humi:55% Press:101.50kPa LINE Phase : LINE
 Limit : FCC PART 15B QP
 Engineer : WS
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 240V/50Hz
 M/N : ONA19TB002
 Test Mode : TX Mode

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.325	9.74	0.05	23.59	33.38	49.57	16.19	Average
2	0.325	9.74	0.05	32.53	42.32	59.57	17.25	QP
3	0.690	9.76	0.05	19.32	29.13	46.00	16.87	Average
4	0.690	9.76	0.05	25.05	34.86	56.00	21.14	QP
5	2.190	9.78	0.06	18.33	28.17	46.00	17.83	Average
6	2.190	9.78	0.06	30.87	40.71	56.00	15.29	QP
7	3.241	9.81	0.07	18.07	27.95	46.00	18.05	Average
8	3.241	9.81	0.07	32.85	42.73	56.00	13.27	QP
9	6.219	9.86	0.07	17.31	27.24	50.00	22.76	Average
10	6.219	9.86	0.07	30.75	40.68	60.00	19.32	QP
11	16.750	10.01	0.08	11.34	21.43	50.00	28.57	Average
12	16.750	10.01	0.08	23.68	33.77	60.00	26.23	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. If the average limit is met when using a quasi-peak detector,
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

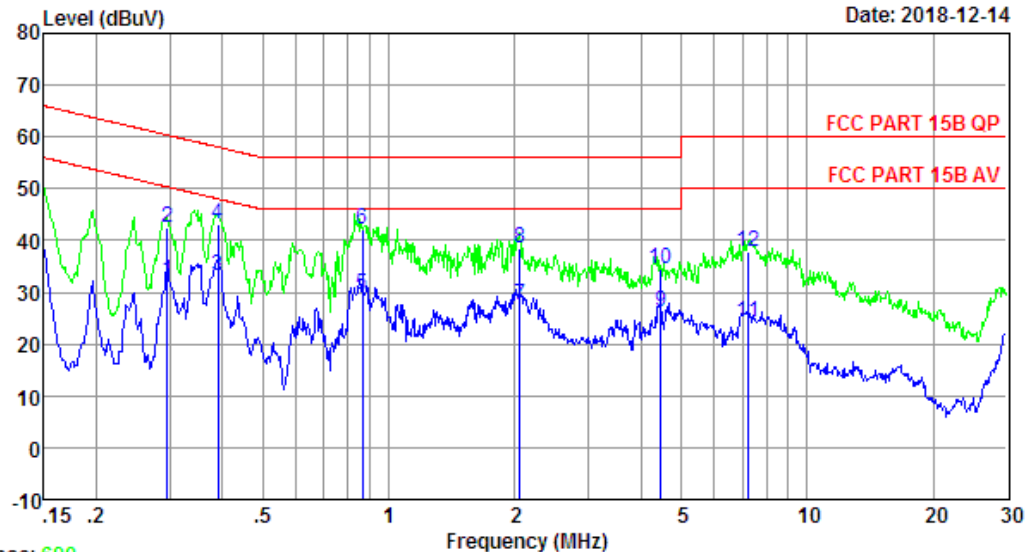
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 691

File: \\Emc-ce-1\Test data\2018\RFIC\Chunghsin.EM6 (693)

Date: 2018-12-14



Trace: 690

Site no : 844 Shield Room Data no. : 691
 Env. / Ins. : Temp:24.8°C Humi:55% Press:101.50kPa LINE Phase : LINE
 Limit : FCC PART 15B QP
 Engineer : WS
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : TX Mode

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.296	9.74	0.04	22.46	32.24	50.37	18.13	Average
2	0.296	9.74	0.04	32.63	42.41	60.37	17.96	QP
3	0.391	9.74	0.05	23.47	33.26	48.03	14.77	Average
4	0.391	9.74	0.05	33.42	43.21	58.03	14.82	QP
5	0.866	9.76	0.06	19.64	29.46	46.00	16.54	Average
6	0.866	9.76	0.06	32.36	42.18	56.00	13.82	QP
7	2.055	9.78	0.06	17.81	27.65	46.00	18.35	Average
8	2.055	9.78	0.06	28.75	38.59	56.00	17.41	QP
9	4.478	9.83	0.07	16.41	26.31	46.00	19.69	Average
10	4.478	9.83	0.07	24.63	34.53	56.00	21.47	QP
11	7.252	9.87	0.08	14.34	24.29	50.00	25.71	Average
12	7.252	9.87	0.08	27.96	37.91	60.00	22.09	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. If the average limit is met when using a quasi-peak detector,
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

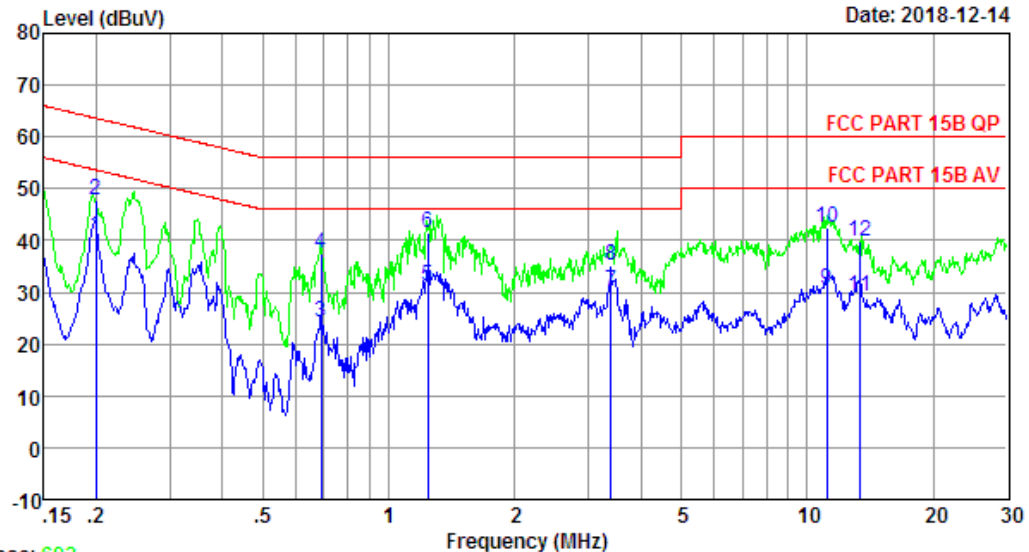
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 693

File: \\Emc-ce-1\Test data\2018\RFIC\Chunghsin.EM6 (693)

Date: 2018-12-14



Trace: 692

Site no : 844 Shield Room Data no. : 693
 Env. / Ins. : Temp:24.8°C Humi:55% Press:101.50kPa LINE Phase : NEUTRAL
 Limit : FCC PART 15B QP
 Engineer : WS
 EUT : 8" Android Tablet
 Power : DC 5V From Adapter Input AC 120V/60Hz
 M/N : ONA19TB002
 Test Mode : TX Mode

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.200	9.53	0.04	31.35	40.92	53.62	12.70	Average
2	0.200	9.53	0.04	38.06	47.63	63.62	15.99	QP
3	0.690	9.58	0.05	14.66	24.29	46.00	21.71	Average
4	0.690	9.58	0.05	27.84	37.47	56.00	18.53	QP
5	1.242	9.58	0.06	21.67	31.31	46.00	14.69	Average
6	1.242	9.58	0.06	31.82	41.46	56.00	14.54	QP
7	3.399	9.63	0.07	20.55	30.25	46.00	15.75	Average
8	3.399	9.63	0.07	25.51	35.21	56.00	20.79	QP
9	11.139	9.68	0.08	20.61	30.37	50.00	19.63	Average
10	11.139	9.68	0.08	32.87	42.63	60.00	17.37	QP
11	13.408	9.72	0.08	19.47	29.27	50.00	20.73	Average
12	13.408	9.72	0.08	29.85	39.65	60.00	20.35	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. If the average limit is met when using a quasi-peak detector,
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

12.ANTENNA REQUIREMENTS

12.1.Limit

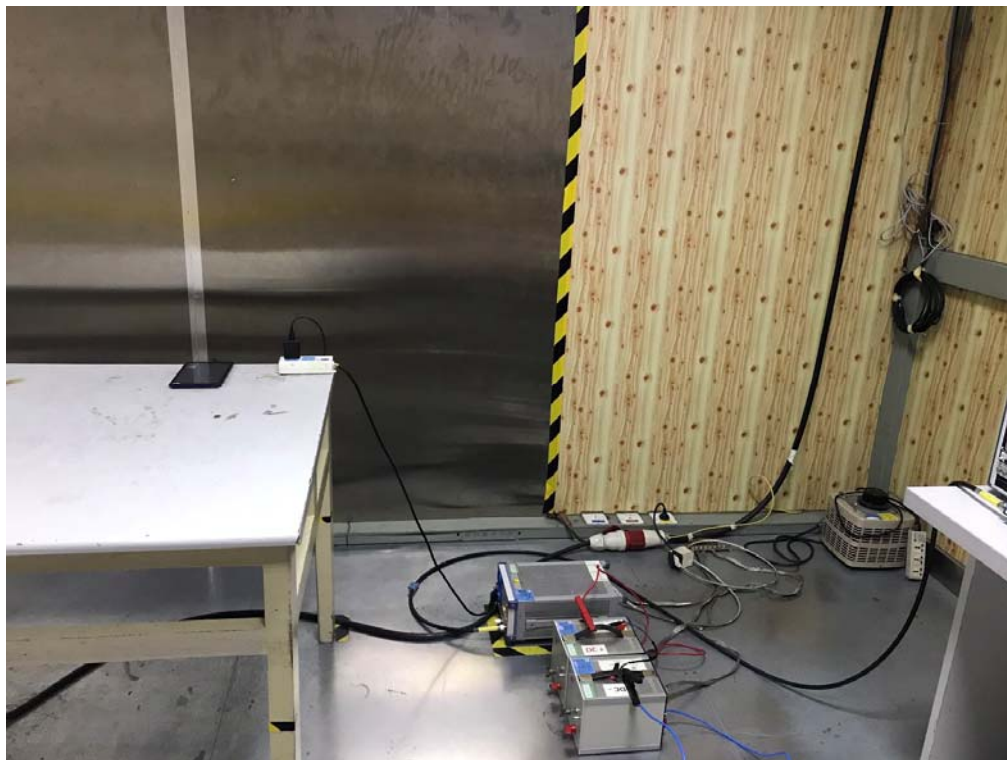
For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

12.2.Result

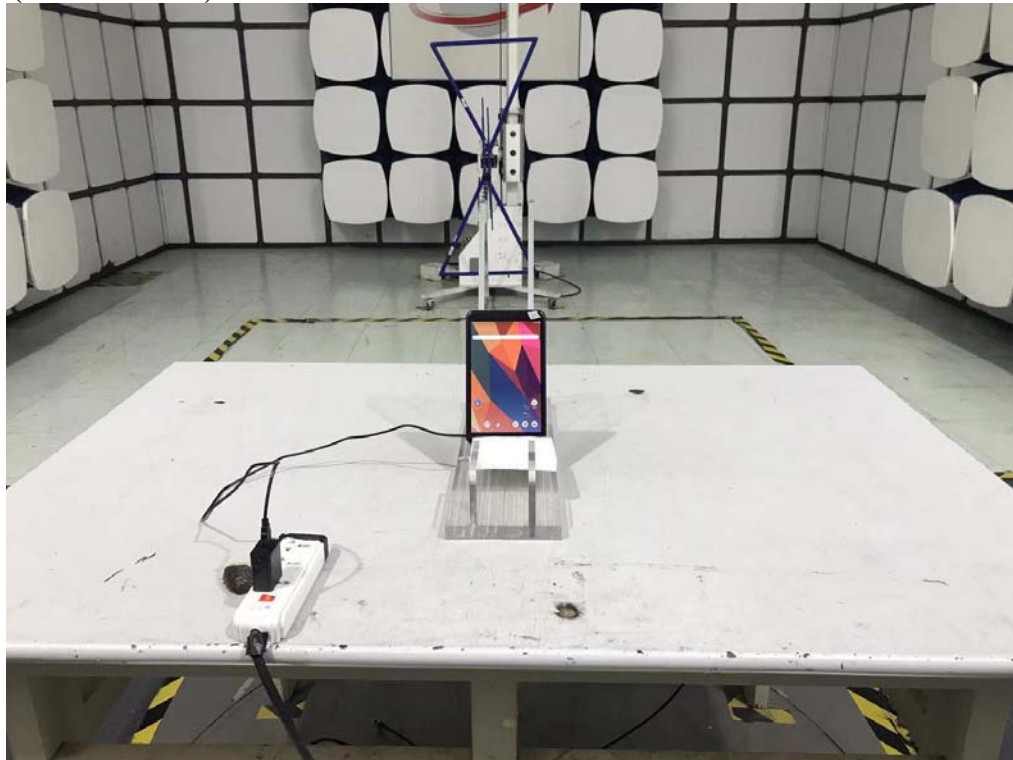
The antennas used for this product are External antenna and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is only 1.27 dBi.

13. TEST SETUP PHOTO

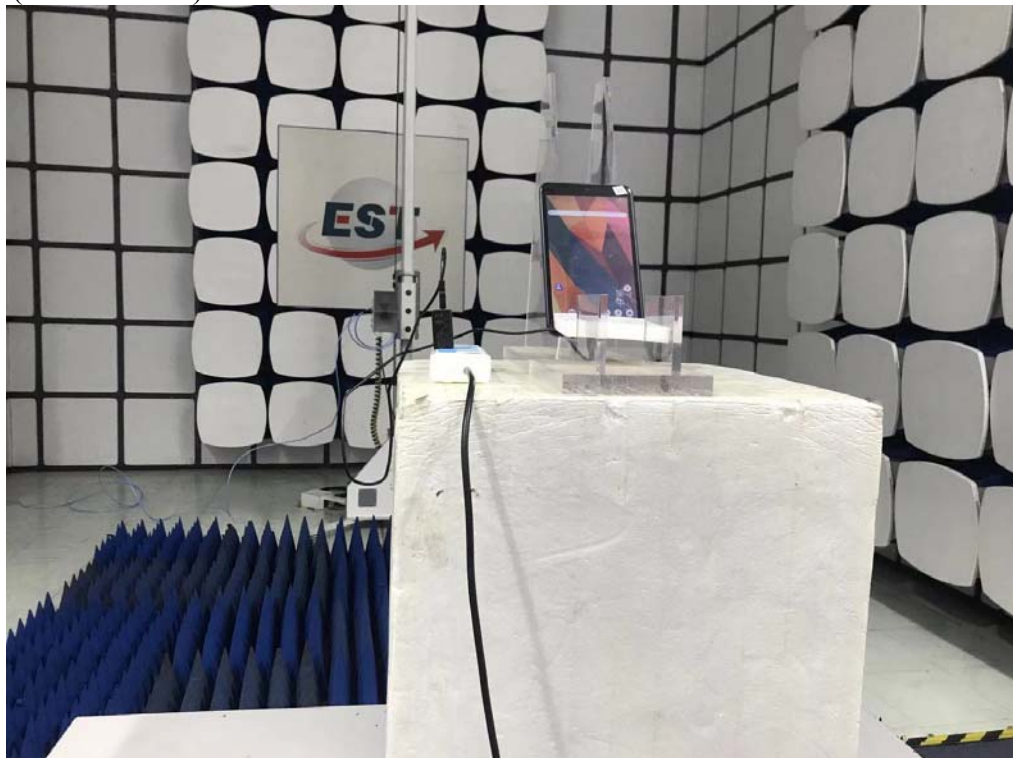
Conducted Test



Radiated Test (30-1000 MHz)



Radiated Test (Above 1GHz)



14. PHOTO OF EUT

External Photos
M/N: ONA19TB002



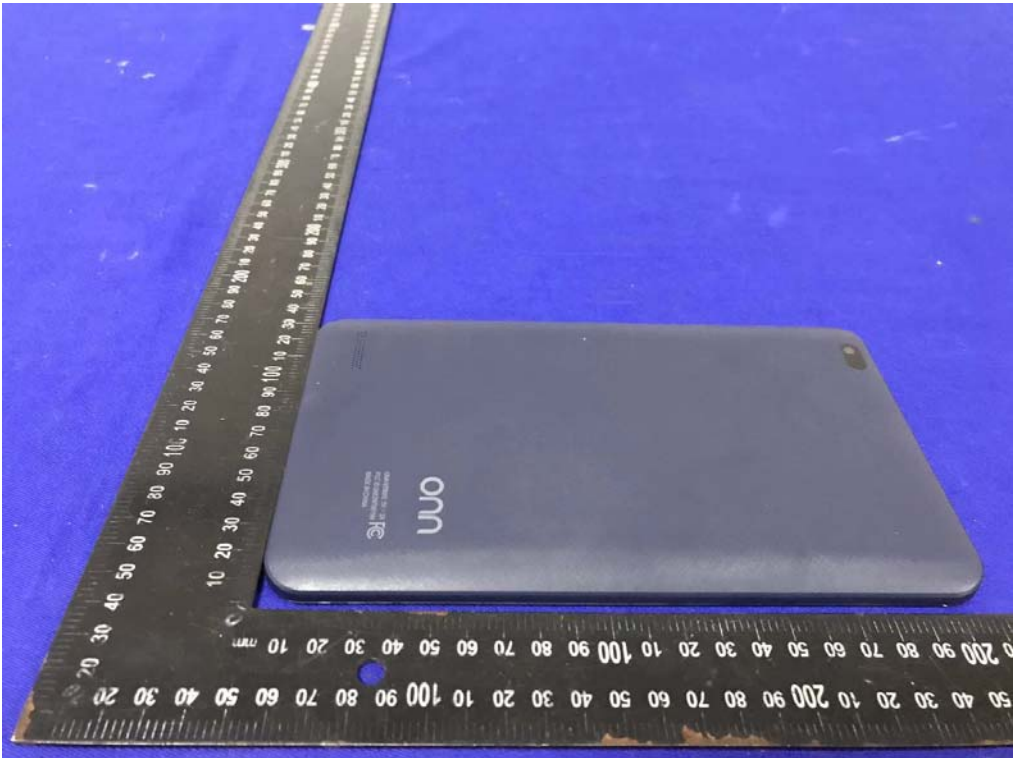
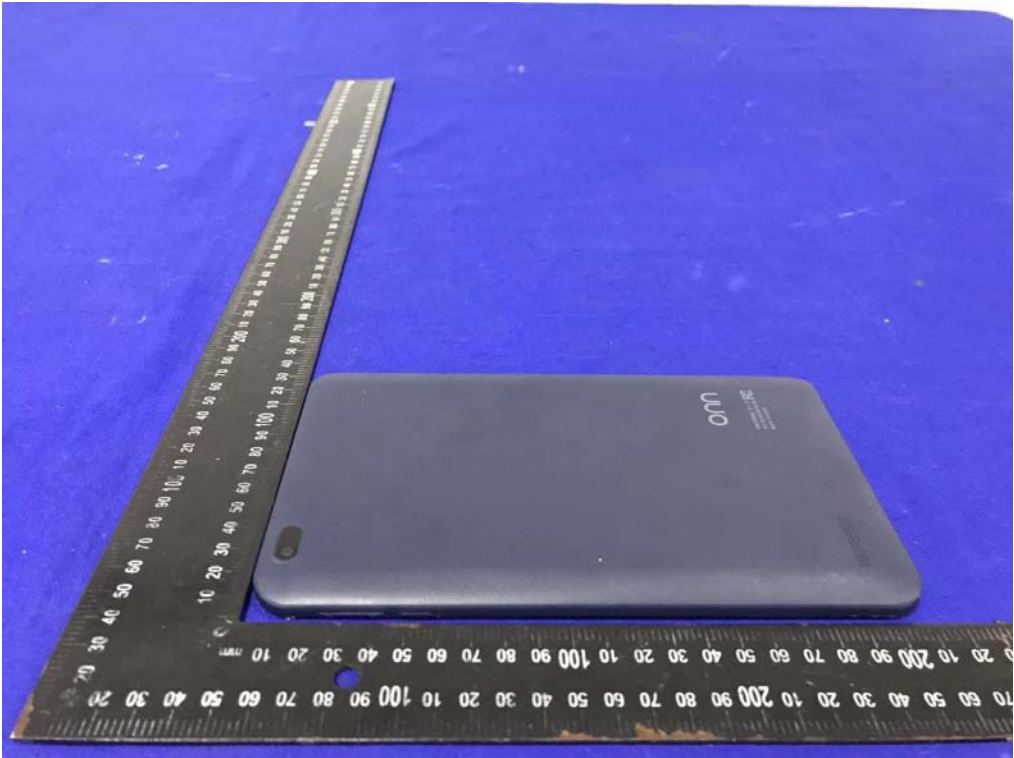
External Photos
M/N: ONA19TB002



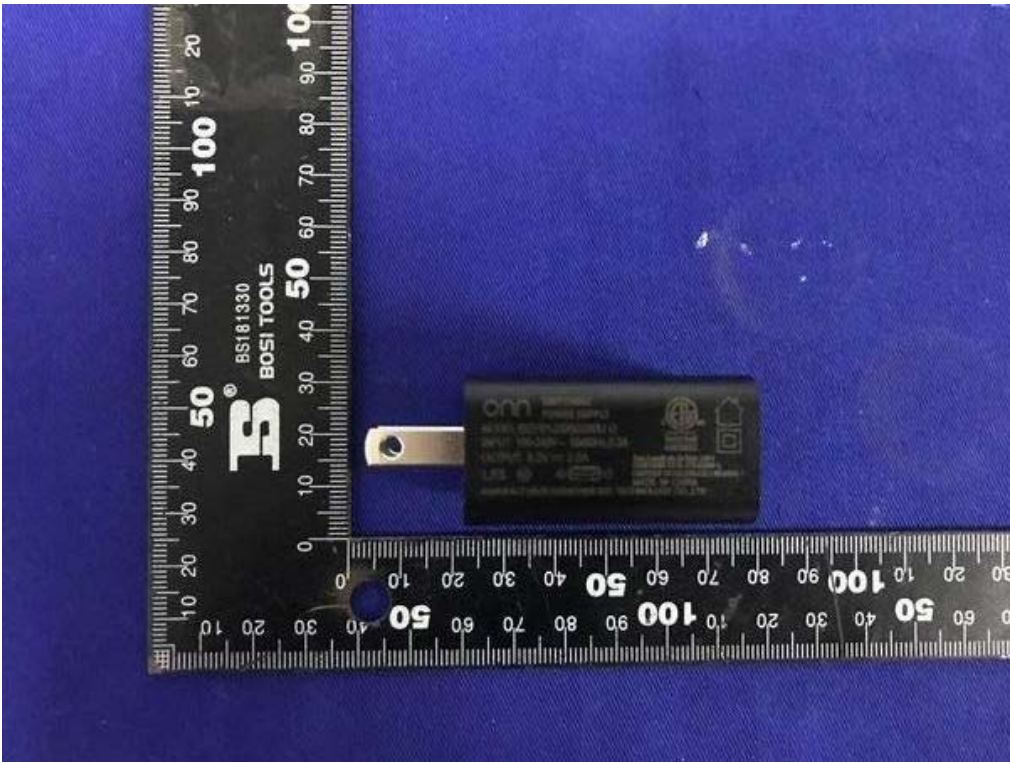
External Photos
M/N: ONA19TB002



External Photos
M/N: ONA19TB002



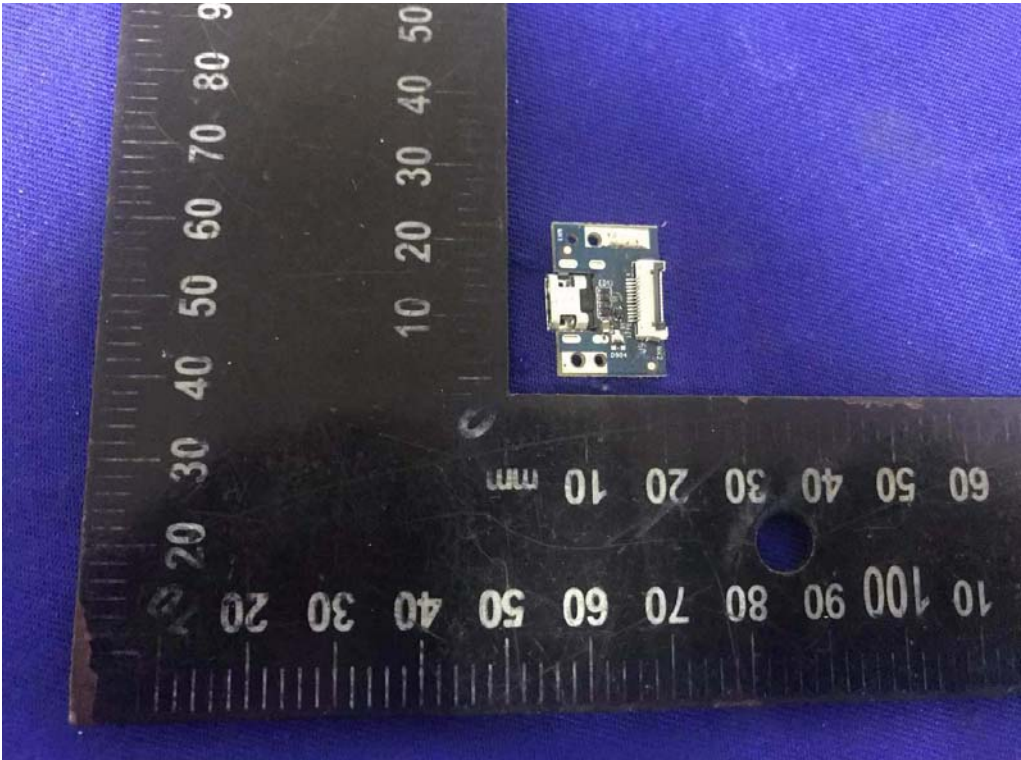
External Photos
M/N: ONA19TB002



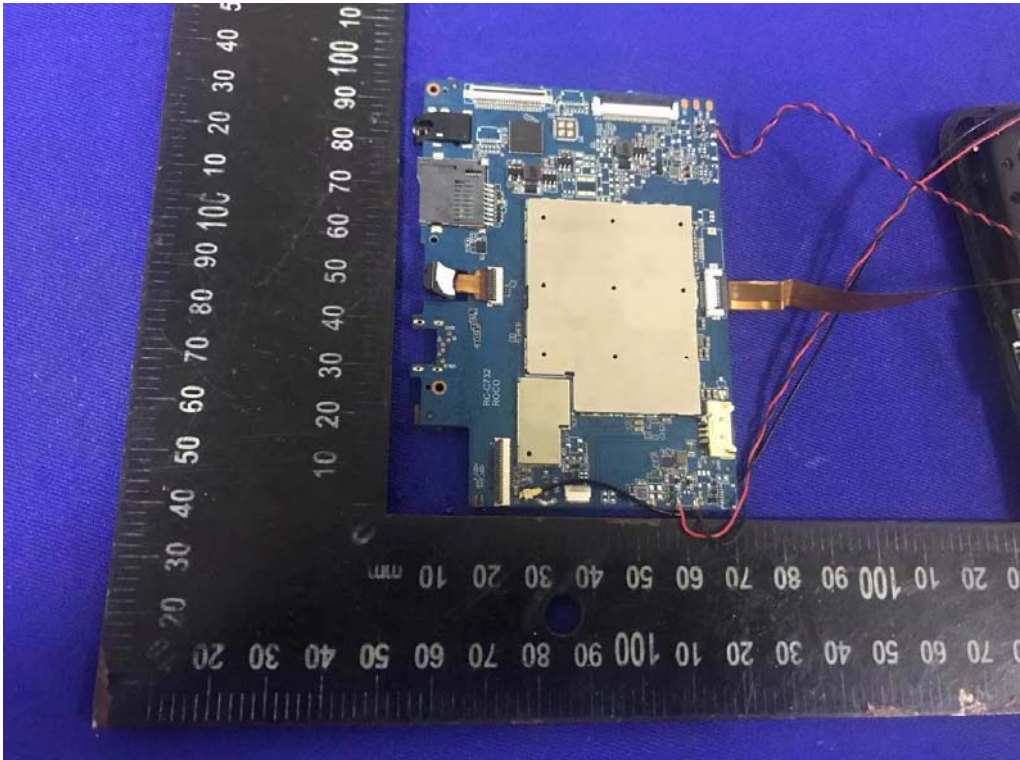
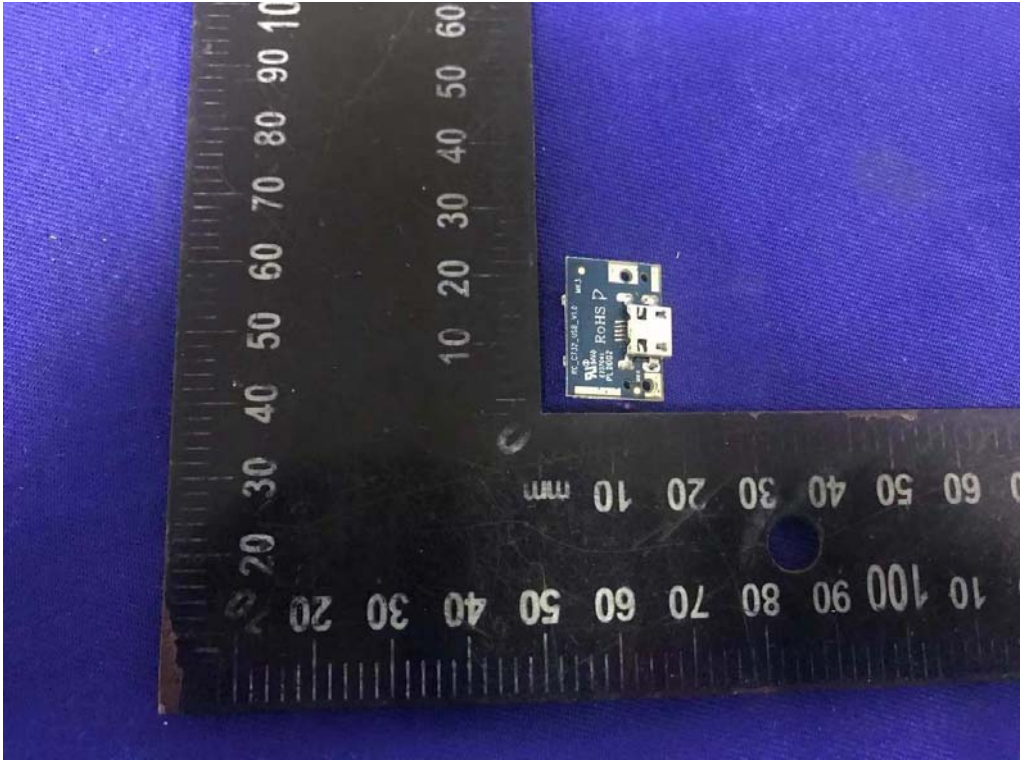
Internal Photos
M/N: ONA19TB002



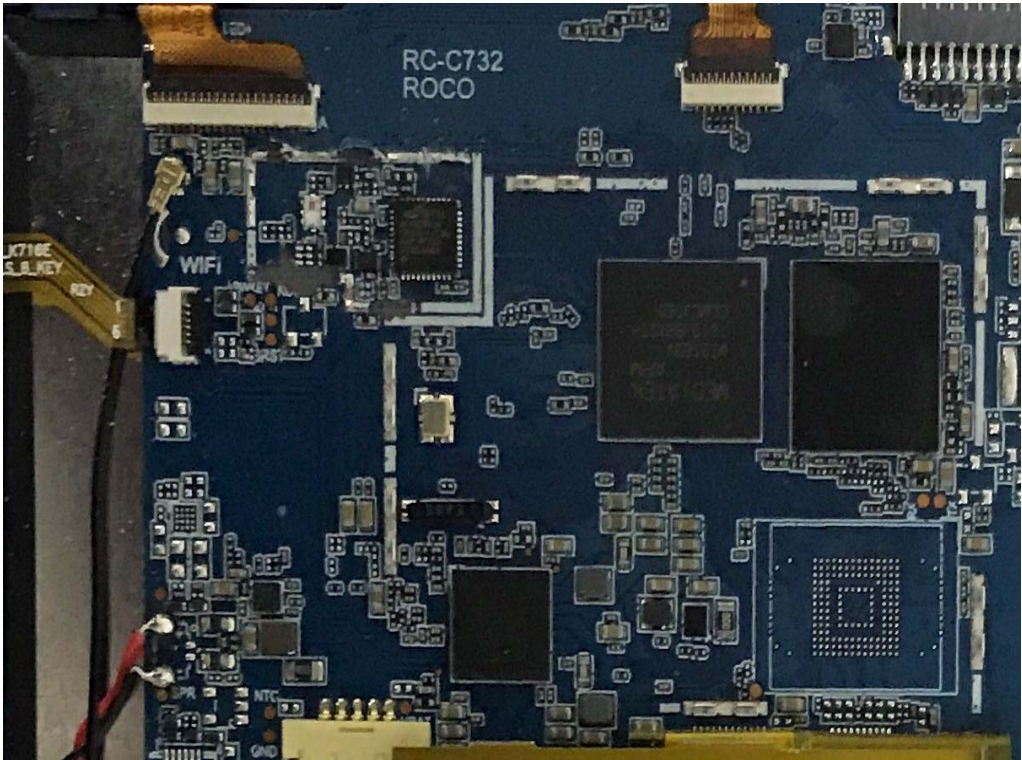
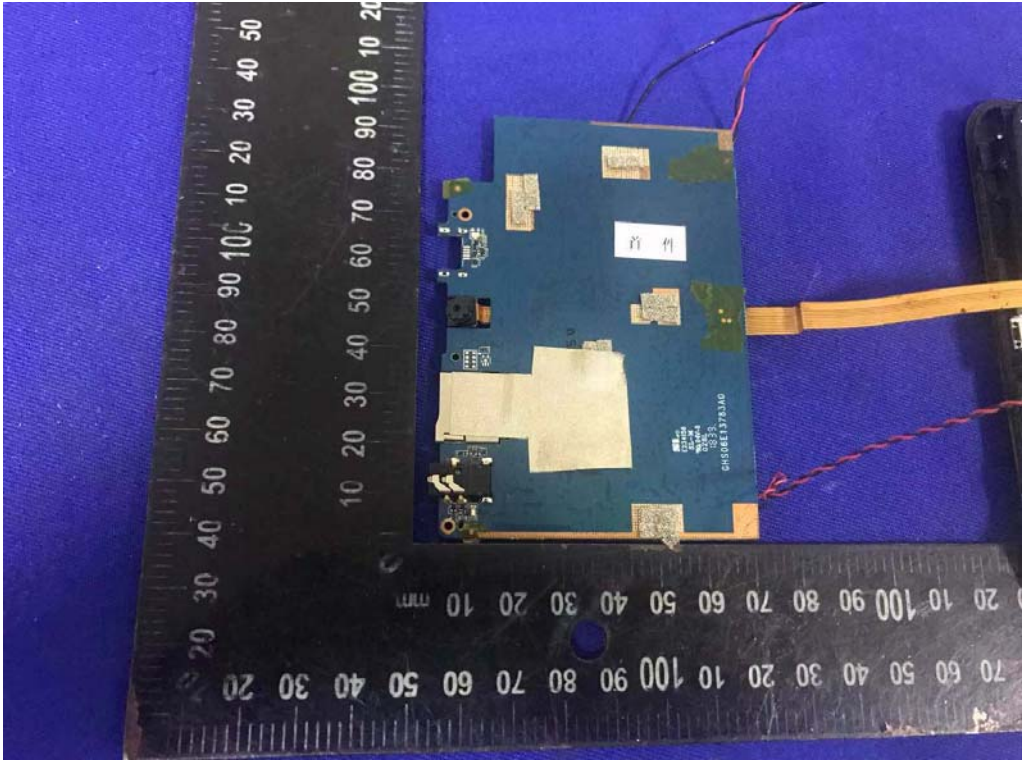
RF
Antenna



Internal Photos
M/N: ONA19TB002



Internal Photos
M/N: ONA19TB002



Internal Photos
M/N: ONA19TB002

RF
Antenna Port

