



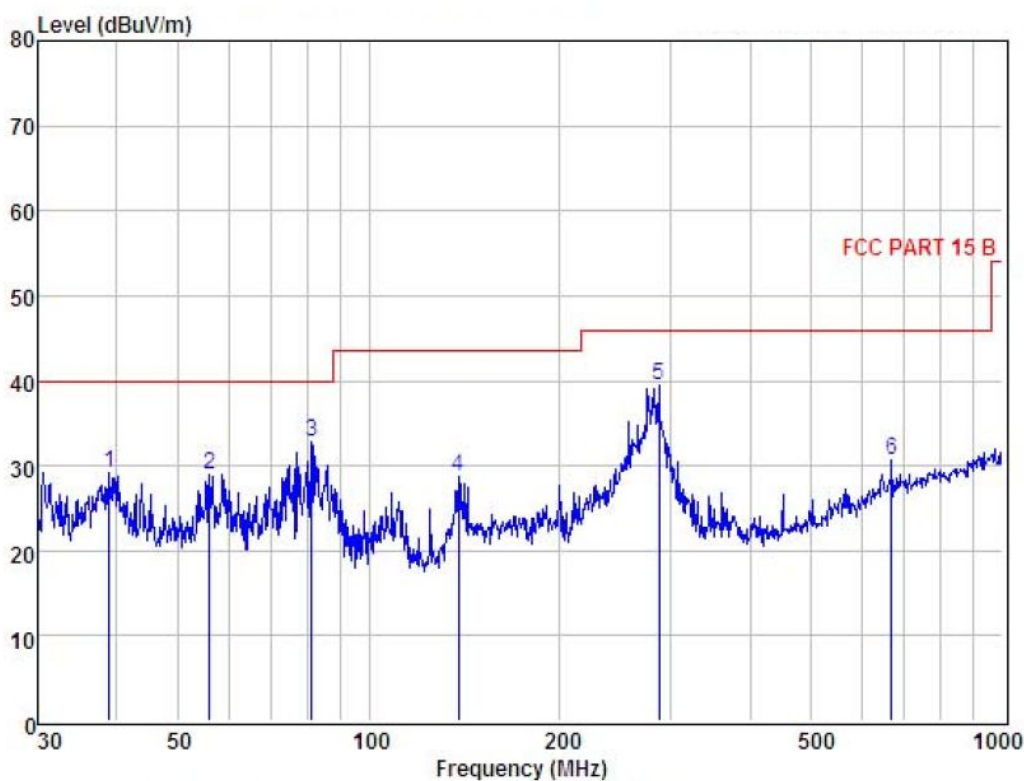
ATA Testing Technology Service Co., Ltd.

Report No.: ATA150921003F

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Radiated Emission Test Data (Below 1GHz)

EUT: MINI PC M/N: TU-IS01
Operating Condition: WIFI mode
Test Site: 3m chamber
Operator: Tom
Test Specification: AC 120V/60Hz
Polarization: Horizontal
Note: Tem:25°C Hum:50%



Condition : FCC PART 15 B 3m POL: HORIZONTAL									
Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamp Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	38.89	46.75	14.07	31.89	0.13	29.06	40.00	-10.94	Peak
2	56.00	47.59	13.07	31.77	0.16	29.05	40.00	-10.95	Peak
3	81.21	54.96	9.32	31.58	0.17	32.87	40.00	-7.13	Peak
4	138.39	46.24	13.37	31.23	0.38	28.76	43.50	-14.74	Peak
5	286.98	56.75	12.54	30.60	0.72	39.41	46.00	-6.59	Peak
6	668.14	39.74	19.30	29.31	1.01	30.74	46.00	-15.26	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



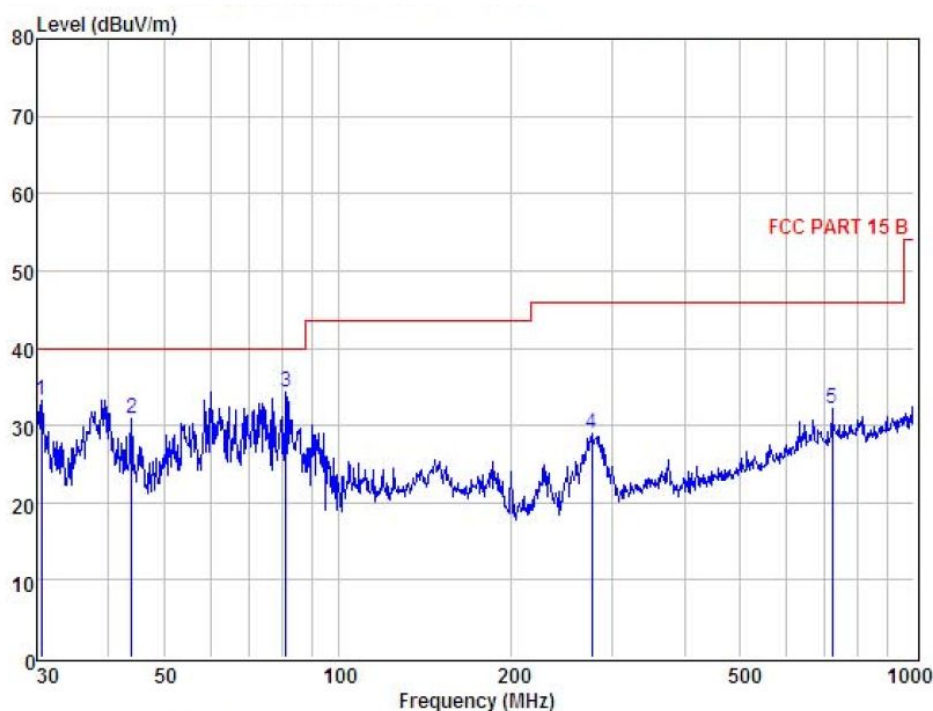
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Report No.: ATA150921003F

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Radiated Emission Test Data (Below 1GHz)

EUT: MINI PC M/N: TU-IS01
Operating Condition: WIFI mode
Test Site: 3m chamber
Operator: Tom
Test Specification: AC 120V/60Hz
Polarization: Vertical
Note: Tem:25°C Hum:50%



Condition : FCC PART 15 B 3m POL: VERTICAL									
Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamplifier Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	30.53	52.06	13.22	32.05	0.07	33.30	40.00	-6.70	Peak
2	43.81	48.90	13.79	31.85	0.09	30.93	40.00	-9.07	Peak
3	81.21	56.36	9.32	31.58	0.17	34.27	40.00	-5.73	Peak
4	276.12	46.87	12.26	30.65	0.51	28.99	46.00	-17.01	Peak
5	721.73	40.19	19.92	29.25	1.26	32.12	46.00	-13.88	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



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Radiated Emission Test Data (Above 1GHz)

Test mode: 802.11b					Test channel: Lowest				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Level
4824.00	43.77	31.53	8.9	40.24	43.96	74.00	-30.04	V	PEAK
7236.00	44.32	36.47	10.59	41.24	50.14	74.00	-23.86	V	PEAK
9648.00	*					74.00		V	PEAK
12060.00	*					74.00		V	PEAK
14472.00	*					74.00		V	PEAK
16884.00	*					74.00		V	PEAK
4824.00	43.6	31.54	8.92	40.22	43.84	74.00	-30.16	H	PEAK
7236.00	45.32	36.5	10.62	41.22	51.22	74.00	-22.78	H	PEAK
9648.00	*					74.00		H	PEAK
12060.00	*					74.00		H	PEAK
14472.00	*					74.00		H	PEAK
16884.00	*					74.00		H	PEAK
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Level
4824.00	32.53	31.54	8.92	40.22	32.77	54.00	-21.23	V	AVG.
7236.00	32.39	36.5	10.62	41.22	38.29	54.00	-15.71	V	AVG.
9648.00	*					54.00		V	AVG.
12060.00	*					54.00		V	AVG.
14472.00	*					54.00		V	AVG.
16884.00	*					54.00		V	AVG.
4824.00	33.7	31.54	8.92	40.22	33.94	54.00	-20.06	H	AVG.
7236.00	25.75	36.5	10.62	41.22	31.65	54.00	-22.35	H	AVG.
9648.00	*					54.00		H	AVG.
12060.00	*					54.00		H	AVG.
14472.00	*					54.00		H	AVG.
16884.00	*					54.00		H	AVG.

Remark:

1. Final Level = Read Level + Antenna Factor + Cable Loss – Preamplifier Factor
2. “*”, means this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.



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Radiated Emission Test Data (Above 1GHz)

Test mode: 802.11b					Test channel: Middle				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Level
4874.00	43.64	31.57	8.98	40.15	44.04	74.00	-29.96	V	PEAK
7311.00	45.23	36.48	10.68	41.16	51.23	74.00	-22.77	V	PEAK
9748.00	*					74.00		V	PEAK
12185.00	*					74.00		V	PEAK
14622.00	*					74.00		V	PEAK
17059.00	*					74.00		V	PEAK
4874.00	43.53	31.57	8.98	40.15	43.93	74.00	-30.07	H	PEAK
7311.00	44.33	36.48	10.68	41.16	50.33	74.00	-23.67	H	PEAK
9748.00	*					74.00		H	PEAK
12185.00	*					74.00		H	PEAK
14622.00	*					74.00		H	PEAK
17059.00	*					74.00		H	PEAK
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Level
4874.00	31.43	31.57	8.98	40.15	31.83	54.00	-22.17	V	AVG.
7311.00	34.53	36.48	10.68	41.16	40.53	54.00	-13.47	V	AVG.
9748.00	*					54.00		V	AVG.
12185.00	*					54.00		V	AVG.
14622.00	*					54.00		V	AVG.
17059.00	*					54.00		V	AVG.
4874.00	29.6	31.57	8.98	40.15	30	54.00	-24.00	H	AVG.
7311.00	31.56	36.48	10.68	41.16	37.56	54.00	-16.44	H	AVG.
9748.00	*					54.00		H	AVG.
12185.00	*					54.00		H	AVG.
14622.00	*					54.00		H	AVG.
17059.00	*					54.00		H	AVG.

Remark:

1. Final Level = Read Level + Antenna Factor + Cable Loss – Preamplifier Factor
2. “*”, means this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.



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Radiated Emission Test Data (Above 1GHz)

Test mode: 802.11b					Test channel: Highest				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Level
4924.00	41.67	31.61	9.04	40.08	42.24	74.00	-31.76	V	PEAK
7386.00	43.59	36.52	10.75	41.09	49.77	74.00	-24.23	V	PEAK
9848.00	*					74.00		V	PEAK
12310.00	*					74.00		V	PEAK
14772.00	*					74.00		V	PEAK
17234.00	*					74.00		V	PEAK
4924.00	41.78	31.61	9.04	40.08	42.35	74.00	-31.65	H	PEAK
7386.00	40.33	36.52	10.75	41.09	46.51	74.00	-27.49	H	PEAK
9848.00	*					74.00		H	PEAK
12310.00	*					74.00		H	PEAK
14772.00	*					74.00		H	PEAK
17234.00	*					74.00		H	PEAK
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Level
4924.00	30.5	31.61	9.04	40.08	31.07	54.00	-22.93	V	AVG.
7386.00	33.84	36.52	10.75	41.09	40.02	54.00	-13.98	V	AVG.
9848.00	*					54.00		V	AVG.
12310.00	*					54.00		V	AVG.
14772.00	*					54.00		V	AVG.
17234.00	*					54.00		V	AVG.
4924.00	31.53	31.61	9.04	40.08	32.1	54.00	-21.90	H	AVG.
7386.00	32.68	36.52	10.75	41.09	38.86	54.00	-15.14	H	AVG.
9848.00	*					54.00		H	AVG.
12310.00	*					54.00		H	AVG.
14772.00	*					54.00		H	AVG.
17234.00	*					54.00		H	AVG.

Remark:

1. Final Level = Read Level + Antenna Factor + Cable Loss – Preamplifier Factor
2. “*”, means this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.



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Radiated Emission Test Data (Above 1GHz)

Test mode: 802.11g					Test channel: Lowest				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Level
4824.00	41.69	31.54	8.92	40.22	41.93	74.00	-32.07	V	PEAK
7236.00	37.83	36.5	10.62	41.22	43.73	74.00	-30.27	V	PEAK
9648.00	*					74.00		V	PEAK
12060.00	*					74.00		V	PEAK
14472.00	*					74.00		V	PEAK
16884.00	*					74.00		V	PEAK
4824.00	37.53	31.54	8.92	40.22	37.77	74.00	-36.23	H	PEAK
7236.00	36.67	36.5	10.62	41.22	42.57	74.00	-31.43	H	PEAK
9648.00	*					74.00		H	PEAK
12060.00	*					74.00		H	PEAK
14472.00	*					74.00		H	PEAK
16884.00	*					74.00		H	PEAK
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Level
4824.00	35.73	31.54	8.92	40.22	35.97	54.00	-18.03	V	AVG.
7236.00	33.34	36.5	10.62	41.22	39.24	54.00	-14.76	V	AVG.
9648.00	*					54.00		V	AVG.
12060.00	*					54.00		V	AVG.
14472.00	*					54.00		V	AVG.
16884.00	*					54.00		V	AVG.
4824.00	37.66	31.54	8.92	40.22	37.9	54.00	-16.10	H	AVG.
7236.00	33.18	36.5	10.62	41.22	39.08	54.00	-14.92	H	AVG.
9648.00	*					54.00		H	AVG.
12060.00	*					54.00		H	AVG.
14472.00	*					54.00		H	AVG.
16884.00	*					54.00		H	AVG.

Remark:

1. Final Level = Read Level + Antenna Factor + Cable Loss – Preamplifier Factor
2. “*”, means this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.



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Radiated Emission Test Data (Above 1GHz)

Test mode: 802.11g					Test channel: Middle				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Level
4874.00	37.23	31.57	8.98	40.15	37.63	74.00	-36.37	V	PEAK
7311.00	37.55	36.48	10.68	41.16	43.55	74.00	-30.45	V	PEAK
9748.00	*					74.00		V	PEAK
12185.00	*					74.00		V	PEAK
14622.00	*					74.00		V	PEAK
17059.00	*					74.00		V	PEAK
4874.00	39.5	31.57	8.98	40.15	39.9	74.00	-34.10	H	PEAK
7311.00	37.53	36.48	10.68	41.16	43.53	74.00	-30.47	H	PEAK
9748.00	*					74.00		H	PEAK
12185.00	*					74.00		H	PEAK
14622.00	*					74.00		H	PEAK
17059.00	*					74.00		H	PEAK
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Level
4874.00	33.7	31.57	8.98	40.15	34.1	54.00	-19.90	V	AVG.
7311.00	31.53	36.48	10.68	41.16	37.53	54.00	-16.47	V	AVG.
9748.00	*					54.00		V	AVG.
12185.00	*					54.00		V	AVG.
14622.00	*					54.00		V	AVG.
17059.00	*					54.00		V	AVG.
4874.00	30.53	31.57	8.98	40.15	30.93	54.00	-23.07	H	AVG.
7311.00	28.56	36.48	10.68	41.16	34.56	54.00	-19.44	H	AVG.
9748.00	*					54.00		H	AVG.
12185.00	*					54.00		H	AVG.
14622.00	*					54.00		H	AVG.
17059.00	*					54.00		H	AVG.

Remark:

1. Final Level = Read Level + Antenna Factor + Cable Loss – Preamplifier Factor
2. “*”, means this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.



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Radiated Emission Test Data (Above 1GHz)

Test mode: 802.11g					Test channel: Highest				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Level
4924.00	38.6	31.61	9.04	40.08	39.17	74.00	-34.83	V	PEAK
7386.00	37.65	36.52	10.75	41.09	43.83	74.00	-30.17	V	PEAK
9848.00	*					74.00		V	PEAK
12310.00	*					74.00		V	PEAK
14772.00	*					74.00		V	PEAK
17234.00	*					74.00		V	PEAK
4924.00	38.7	31.61	9.04	40.08	39.27	74.00	-34.73	H	PEAK
7386.00	38.13	36.52	10.75	41.09	44.31	74.00	-29.69	H	PEAK
9848.00	*					74.00		H	PEAK
12310.00	*					74.00		H	PEAK
14772.00	*					74.00		H	PEAK
17234.00	*					74.00		H	PEAK
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Level
4924.00	32.55	31.61	9.04	40.08	33.12	54.00	-20.88	V	AVG.
7386.00	28.5	36.52	10.75	41.09	34.68	54.00	-19.32	V	AVG.
9848.00	*					54.00		V	AVG.
12310.00	*					54.00		V	AVG.
14772.00	*					54.00		V	AVG.
17234.00	*					54.00		V	AVG.
4924.00	29.6	31.61	9.04	40.08	30.17	54.00	-23.83	H	AVG.
7386.00	29.54	36.52	10.75	41.09	35.72	54.00	-18.28	H	AVG.
9848.00	*					54.00		H	AVG.
12310.00	*					54.00		H	AVG.
14772.00	*					54.00		H	AVG.
17234.00	*					54.00		H	AVG.

Remark:

1. Final Level = Read Level + Antenna Factor + Cable Loss – Preamplifier Factor
2. “*”, means this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.



ATA Testing Technology Service Co., Ltd.

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Radiated Emission Test Data (Above 1GHz)

Test mode: 802.11n(H20)					Test channel: Lowest				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Level
4824.00	40.6	31.54	8.92	40.22	40.84	74.00	-33.16	V	PEAK
7236.00	37.73	36.5	10.62	41.22	43.63	74.00	-30.37	V	PEAK
9648.00	*					74.00		V	PEAK
12060.00	*					74.00		V	PEAK
14472.00	*					74.00		V	PEAK
16884.00	*					74.00		V	PEAK
4824.00	42.23	31.54	8.92	40.22	42.47	74.00	-31.53	H	PEAK
7236.00	37.77	36.5	10.62	41.22	43.67	74.00	-30.33	H	PEAK
9648.00	*					74.00		H	PEAK
12060.00	*					74.00		H	PEAK
14472.00	*					74.00		H	PEAK
16884.00	*					74.00		H	PEAK
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Level
4824.00	33.28	31.54	8.92	40.22	33.52	54.00	-20.48	V	AVG.
7236.00	31.6	36.5	10.62	41.22	37.5	54.00	-16.50	V	AVG.
9648.00	*					54.00		V	AVG.
12060.00	*					54.00		V	AVG.
14472.00	*					54.00		V	AVG.
16884.00	*					54.00		V	AVG.
4824.00	33.23	31.54	8.92	40.22	33.47	54.00	-20.53	H	AVG.
7236.00	32.63	36.5	10.62	41.22	38.53	54.00	-15.47	H	AVG.
9648.00	*					54.00		H	AVG.
12060.00	*					54.00		H	AVG.
14472.00	*					54.00		H	AVG.
16884.00	*					54.00		H	AVG.

Remark:

1. Final Level = Read Level + Antenna Factor + Cable Loss – Preamplifier Factor
2. “*”, means this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.



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Radiated Emission Test Data (Above 1GHz)

Test mode: 802.11n(H20)					Test channel: Middle				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Level
4874.00	40.35	31.57	8.98	40.15	40.75	74.00	-33.25	V	PEAK
7311.00	37.97	36.48	10.68	41.16	43.97	74.00	-30.03	V	PEAK
9748.00	*					74.00		V	PEAK
12185.00	*					74.00		V	PEAK
14622.00	*					74.00		V	PEAK
17059.00	*					74.00		V	PEAK
4874.00	39.4	31.57	8.98	40.15	39.8	74.00	-34.20	H	PEAK
7311.00	37.83	36.48	10.68	41.16	43.83	74.00	-30.17	H	PEAK
9748.00	*					74.00		H	PEAK
12185.00	*					74.00		H	PEAK
14622.00	*					74.00		H	PEAK
17059.00	*					74.00		H	PEAK
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Level
4874.00	33.39	31.57	8.98	40.15	33.79	54.00	-20.21	V	AVG.
7311.00	30.76	36.48	10.68	41.16	36.76	54.00	-17.24	V	AVG.
9748.00	*					54.00		V	AVG.
12185.00	*					54.00		V	AVG.
14622.00	*					54.00		V	AVG.
17059.00	*					54.00		V	AVG.
4874.00	30.6	31.57	8.98	40.15	31	54.00	-23.00	H	AVG.
7311.00	31.46	36.48	10.68	41.16	37.46	54.00	-16.54	H	AVG.
9748.00	*					54.00		H	AVG.
12185.00	*					54.00		H	AVG.
14622.00	*					54.00		H	AVG.
17059.00	*					54.00		H	AVG.

Remark:

1. Final Level = Read Level + Antenna Factor + Cable Loss – Preamplifier Factor
2. “*”, means this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.



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Radiated Emission Test Data (Above 1GHz)

Test mode: 802.11n(H20)					Test channel: Highest				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Level
4924.00	40.83	31.61	9.04	40.08	41.4	74.00	-32.60	V	PEAK
7386.00	37.86	36.52	10.75	41.09	44.04	74.00	-29.96	V	PEAK
9848.00	*					74.00		V	PEAK
12310.00	*					74.00		V	PEAK
14772.00	*					74.00		V	PEAK
17234.00	*					74.00		V	PEAK
4924.00	40.26	31.61	9.04	40.08	40.83	74.00	-33.17	H	PEAK
7386.00	38.07	36.52	10.75	41.09	44.25	74.00	-29.75	H	PEAK
9848.00	*					74.00		H	PEAK
12310.00	*					74.00		H	PEAK
14772.00	*					74.00		H	PEAK
17234.00	*					74.00		H	PEAK
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Level
4924.00	31.33	31.61	9.04	40.08	31.9	54.00	-22.10	V	AVG.
7386.00	31.28	36.52	10.75	41.09	37.46	54.00	-16.54	V	AVG.
9848.00	*					54.00		V	AVG.
12310.00	*					54.00		V	AVG.
14772.00	*					54.00		V	AVG.
17234.00	*					54.00		V	AVG.
4924.00	31.69	31.61	9.04	40.08	32.26	54.00	-21.74	H	AVG.
7386.00	30.65	36.52	10.75	41.09	36.83	54.00	-17.17	H	AVG.
9848.00	*					54.00		H	AVG.
12310.00	*					54.00		H	AVG.
14772.00	*					54.00		H	AVG.
17234.00	*					54.00		H	AVG.

Remark:

1. Final Level = Read Level + Antenna Factor + Cable Loss – Preamplifier Factor
2. “*”, means this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.



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Radiated Emission Test Data (Above 1GHz)

Test mode: 802.11n(H40)					Test channel: Lowest				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Level
4844.00	39.6	31.57	8.93	40.17	39.93	74.00	-34.07	V	PEAK
7266.00	37.98	36.62	10.65	41.19	44.06	74.00	-29.94	V	PEAK
9688.00	*					74.00		V	PEAK
12110.00	*					74.00		V	PEAK
14532.00	*					74.00		V	PEAK
16954.00	*					74.00		V	PEAK
4844.00	40.53	31.57	8.93	40.17	40.86	74.00	-33.14	H	PEAK
7266.00	37.15	36.62	10.65	41.19	43.23	74.00	-30.77	H	PEAK
9688.00	*					74.00		H	PEAK
12110.00	*					74.00		H	PEAK
14532.00	*					74.00		H	PEAK
16954.00	*					74.00		H	PEAK
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Level
4844.00	33.29	31.57	8.93	40.17	33.62	54.00	-20.38	V	AVG.
7266.00	31.68	36.62	10.65	41.19	37.76	54.00	-16.24	V	AVG.
9688.00	*					54.00		V	AVG.
12110.00	*					54.00		V	AVG.
14532.00	*					54.00		V	AVG.
16954.00	*					54.00		V	AVG.
4844.00	33.13	31.57	8.93	40.17	33.46	54.00	-20.54	H	AVG.
7266.00	33.59	36.62	10.65	41.19	39.67	54.00	-14.33	H	AVG.
9688.00	*					54.00		H	AVG.
12110.00	*					54.00		H	AVG.
14532.00	*					54.00		H	AVG.
16954.00	*					54.00		H	AVG.

Remark:

- Final Level = Read Level + Antenna Factor + Cable Loss – Preamplifier Factor
- "*", means this data is the too weak instrument of signal is unable to test.
- The emission levels of other frequencies are very lower than the limit and not show in test report.



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Radiated Emission Test Data (Above 1GHz)

Test mode: 802.11n(H40)					Test channel: Middle				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Level
4874.00	37.65	31.57	8.98	40.15	38.05	74.00	-35.95	V	PEAK
7311.00	37.24	36.48	10.68	41.16	43.24	74.00	-30.76	V	PEAK
9748.00	*					74.00		V	PEAK
12185.00	*					74.00		V	PEAK
14622.00	*					74.00		V	PEAK
17059.00	*					74.00		V	PEAK
4874.00	37.83	31.57	8.98	40.15	38.23	74.00	-35.77	H	PEAK
7311.00	37.56	36.48	10.68	41.16	43.56	74.00	-30.44	H	PEAK
9748.00	*					74.00		H	PEAK
12185.00	*					74.00		H	PEAK
14622.00	*					74.00		H	PEAK
17059.00	*					74.00		H	PEAK
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Level
4874.00	30.39	31.57	8.98	40.15	30.79	54.00	-23.21	V	AVG.
7311.00	30.24	36.48	10.68	41.16	36.24	54.00	-17.76	V	AVG.
9748.00	*					54.00		V	AVG.
12185.00	*					54.00		V	AVG.
14622.00	*					54.00		V	AVG.
17059.00	*					54.00		V	AVG.
4874.00	30.64	31.57	8.98	40.15	31.04	54.00	-22.96	H	AVG.
7311.00	30.58	36.48	10.68	41.16	36.58	54.00	-17.42	H	AVG.
9748.00	*					54.00		H	AVG.
12185.00	*					54.00		H	AVG.
14622.00	*					54.00		H	AVG.
17059.00	*					54.00		H	AVG.

Remark:

- Final Level = Read Level + Antenna Factor + Cable Loss – Preamplifier Factor
- "*", means this data is the too weak instrument of signal is unable to test.
- The emission levels of other frequencies are very lower than the limit and not show in test report.



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Radiated Emission Test Data (Above 1GHz)

Test mode: 802.11n(H40)					Test channel: Highest				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Level
4904.00	37.66	31.68	9.13	39.98	38.49	74.00	-35.51	V	PEAK
7356.00	38.5	36.62	10.79	40.89	45.02	74.00	-28.98	V	PEAK
9808.00	*					74.00		V	PEAK
12260.00	*					74.00		V	PEAK
14712.00	*					74.00		V	PEAK
17164.00	*					74.00		V	PEAK
4904.00	37.84	31.68	9.13	39.98	38.67	74.00	-35.33	H	PEAK
7356.00	37.95	36.62	10.79	40.89	44.47	74.00	-29.53	H	PEAK
9808.00	*					74.00		H	PEAK
12260.00	*					74.00		H	PEAK
14712.00	*					74.00		H	PEAK
17164.00	*					74.00		H	PEAK
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Level
4904.00	30.59	31.68	9.13	39.98	31.42	54.00	-22.58	V	AVG.
7356.00	31.04	36.62	10.79	40.89	37.56	54.00	-16.44	V	AVG.
9808.00	*					54.00		V	AVG.
12260.00	*					54.00		V	AVG.
14712.00	*					54.00		V	AVG.
17164.00	*					54.00		V	AVG.
4904.00	33.59	31.68	9.13	39.98	34.42	54.00	-19.58	H	AVG.
7356.00	30.53	36.62	10.79	40.89	37.05	54.00	-16.95	H	AVG.
9808.00	*					54.00		H	AVG.
12260.00	*					54.00		H	AVG.
14712.00	*					54.00		H	AVG.
17164.00	*					54.00		H	AVG.

Remark:

- Final Level = Read Level + Antenna Factor + Cable Loss – Preamplifier Factor
- "*", means this data is the too weak instrument of signal is unable to test.
- The emission levels of other frequencies are very lower than the limit and not show in test report.



11. Spurious Emission (Conducted Emission Method)

11.1 Test Standard and Limit

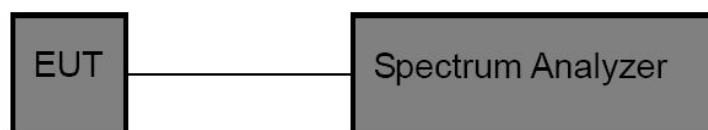
11.1.1 Test Standard

FCC Part15 C Section 15.247 (d)

11.1.2 Test Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator 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.

11.2 Test Setup



11.3 Test Procedure

According to KDB 558074 v03r02:

(1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.

(2) Spectrum Setting: RBW=100 KHz, VBW=300 KHz.
Frequency range from 30MHz to 25 GHz.

11.4 Test Data



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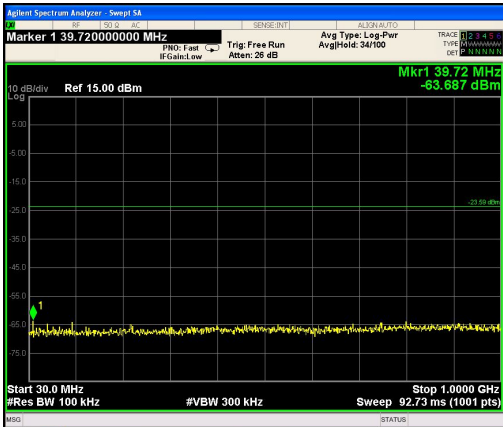
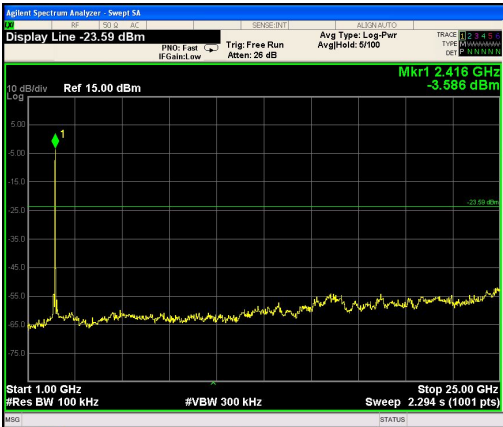
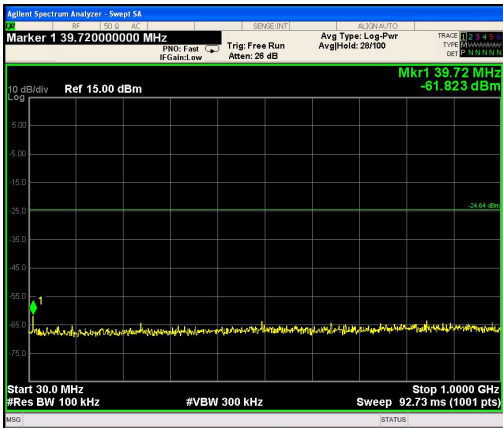
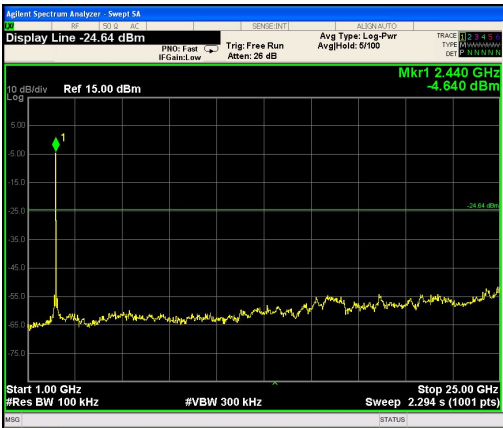
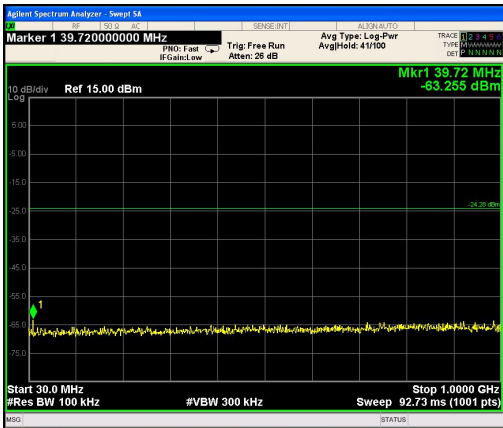

Modulation mode		802.11b	Frequency range	30MHz~25GHz
Lowest				
		30MHz~1GHz		1GHz~25GHz
Middle				
		30MHz~1GHz		1GHz~25GHz
Highest				
		30MHz~1GHz		1GHz~25GHz



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Modulation mode		802.11g	Frequency range	30MHz~25GHz
Lowest				
		30MHz~1GHz	1GHz~25GHz	
Middle				
		30MHz~1GHz	1GHz~25GHz	
Highest				
		30MHz~1GHz	1GHz~25GHz	



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Modulation mode		802.11n(H20)	Frequency range	30MHz~25GHz
Lowest				
		30MHz~1GHz		1GHz~25GHz
Middle				
		30MHz~1GHz		1GHz~25GHz
Highest				
		30MHz~1GHz		1GHz~25GHz



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