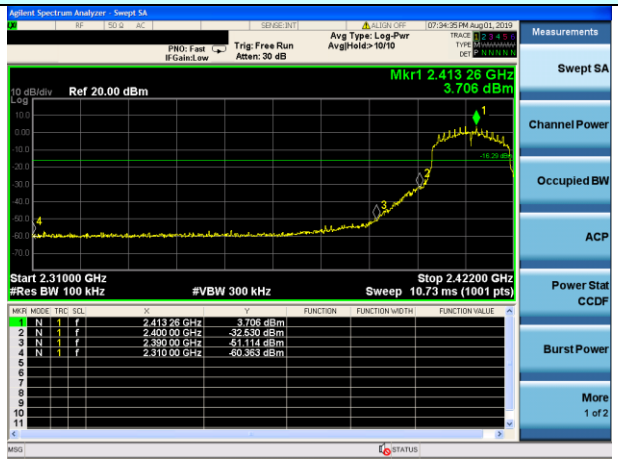
Test mode:	802.11n(HT20)



Lowest channel

Highest channel

Test mode:	802.11n(HT40)

Lowest channel

Highest channel

7.6.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209 and 15.205
Test Method:	ANSI C63.10:2013
Test Frequency Range:	All of the restrict bands were tested, only the worst band's (2310MHz to 2500MHz) data was showed.
Test site:	Measurement Distance: 3m

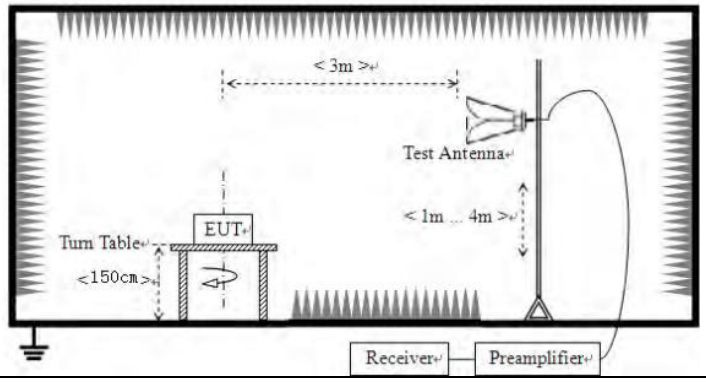
Receiver setup:

Frequency	Detector	RBW	VBW	Value
Above 1GHz	Peak	1MHz	3MHz	Peak
	Average	1MHz	3MHz	Average

Limit:

Frequency	Limit (dBuV/m @3m)	Value
Above 1GHz	54.00	Average
	74.00	Peak

Test setup:



Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test voltage:	AC 120V, 60Hz
Test results:	Pass

Measurement data: Remark: only worst case ANT 2 report

Test mode:	802.11b	Test channel:	Lowest

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	40.22	27.14	6.19	42.04	31.51	74.00	-42.49	Horizontal
2390.00	48.75	27.37	6.31	42.11	40.32	74.00	-33.68	Horizontal
2310.00	38.80	27.14	6.19	42.04	30.09	74.00	-43.91	Vertical
2390.00	50.17	27.37	6.31	42.11	41.74	74.00	-32.26	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	30.39	27.14	6.19	42.04	21.68	54.00	-32.32	Horizontal
2390.00	37.53	27.37	6.31	42.11	29.10	54.00	-24.90	Horizontal
2310.00	29.10	27.14	6.19	42.04	20.39	54.00	-33.61	Vertical
2390.00	39.55	27.37	6.31	42.11	31.12	54.00	-22.88	Vertical

Test mode:	802.11b	Test channel:	Highest

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	49.26	27.66	6.45	42.01	41.36	74.00	-32.64	Horizontal
2500.00	41.55	27.70	6.47	42.00	33.72	74.00	-40.28	Horizontal
2483.50	49.23	27.66	6.45	42.01	41.33	74.00	-32.67	Vertical
2500.00	42.82	27.70	6.47	42.00	34.99	74.00	-39.01	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	37.54	27.66	6.45	42.01	29.64	54.00	-24.36	Horizontal
2500.00	33.92	27.70	6.47	42.00	26.09	54.00	-27.91	Horizontal
2483.50	38.36	27.66	6.45	42.01	30.46	54.00	-23.54	Vertical
2500.00	32.74	27.70	6.47	42.00	24.91	54.00	-29.09	Vertical

Test mode:	802.11g	Test channel:	Lowest

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	39.73	27.14	6.19	42.04	31.02	74.00	-42.98	Horizontal
2390.00	48.10	27.37	6.31	42.11	39.67	74.00	-34.33	Horizontal
2310.00	38.28	27.14	6.19	42.04	29.57	74.00	-44.43	Vertical
2390.00	49.38	27.37	6.31	42.11	40.95	74.00	-33.05	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	30.04	27.14	6.19	42.04	21.33	54.00	-32.67	Horizontal
2390.00	37.13	27.37	6.31	42.11	28.70	54.00	-25.30	Horizontal
2310.00	28.71	27.14	6.19	42.04	20.00	54.00	-34.00	Vertical
2390.00	39.11	27.37	6.31	42.11	30.68	54.00	-23.32	Vertical

Test mode:	802.11g	Test channel:	Highest

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	48.56	27.66	6.45	42.01	40.66	74.00	-33.34	Horizontal
2500.00	41.00	27.70	6.47	42.00	33.17	74.00	-40.83	Horizontal
2483.50	48.43	27.66	6.45	42.01	40.53	74.00	-33.47	Vertical
2500.00	42.18	27.70	6.47	42.00	34.35	74.00	-39.65	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	37.12	27.66	6.45	42.01	29.22	54.00	-24.78	Horizontal
2500.00	33.58	27.70	6.47	42.00	25.75	54.00	-28.25	Horizontal
2483.50	37.89	27.66	6.45	42.01	29.99	54.00	-24.01	Vertical
2500.00	32.39	27.70	6.47	42.00	24.56	54.00	-29.44	Vertical

Test mode:	802.11n(HT20)	Test channel:	Lowest

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	40.25	27.14	6.19	42.04	31.54	74.00	-42.46	Horizontal
2390.00	48.80	27.37	6.31	42.11	40.37	74.00	-33.63	Horizontal
2310.00	38.84	27.14	6.19	42.04	30.13	74.00	-43.87	Vertical
2390.00	50.22	27.37	6.31	42.11	41.79	74.00	-32.21	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	30.42	27.14	6.19	42.04	21.71	54.00	-32.29	Horizontal
2390.00	37.56	27.37	6.31	42.11	29.13	54.00	-24.87	Horizontal
2310.00	29.12	27.14	6.19	42.04	20.41	54.00	-33.59	Vertical
2390.00	39.58	27.37	6.31	42.11	31.15	54.00	-22.85	Vertical

Test mode:	802.11n(HT20)	Test channel:	Highest

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	49.31	27.66	6.45	42.01	41.41	74.00	-32.59	Horizontal
2500.00	41.58	27.70	6.47	42.00	33.75	74.00	-40.25	Horizontal
2483.50	49.28	27.66	6.45	42.01	41.38	74.00	-32.62	Vertical
2500.00	42.86	27.70	6.47	42.00	35.03	74.00	-38.97	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	37.57	27.66	6.45	42.01	29.67	54.00	-24.33	Horizontal
2500.00	33.94	27.70	6.47	42.00	26.11	54.00	-27.89	Horizontal
2483.50	38.39	27.66	6.45	42.01	30.49	54.00	-23.51	Vertical
2500.00	32.76	27.70	6.47	42.00	24.93	54.00	-29.07	Vertical

Test mode:	802.11n(HT40)	Test channel:	Lowest

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	39.91	27.14	6.19	42.04	31.20	74.00	-42.80	Horizontal
2390.00	48.34	27.37	6.31	42.11	39.91	74.00	-34.09	Horizontal
2310.00	38.47	27.14	6.19	42.04	29.76	74.00	-44.24	Vertical
2390.00	49.67	27.37	6.31	42.11	41.24	74.00	-32.76	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	30.17	27.14	6.19	42.04	21.46	54.00	-32.54	Horizontal
2390.00	37.28	27.37	6.31	42.11	28.85	54.00	-25.15	Horizontal
2310.00	28.85	27.14	6.19	42.04	20.14	54.00	-33.86	Vertical
2390.00	39.27	27.37	6.31	42.11	30.84	54.00	-23.16	Vertical

Test mode:	802.11n(HT40)	Test channel:	Highest

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	48.82	27.66	6.45	42.01	40.92	74.00	-33.08	Horizontal
2500.00	41.21	27.70	6.47	42.00	33.38	74.00	-40.62	Horizontal
2483.50	48.73	27.66	6.45	42.01	40.83	74.00	-33.17	Vertical
2500.00	42.42	27.70	6.47	42.00	34.59	74.00	-39.41	Vertical

Average value:

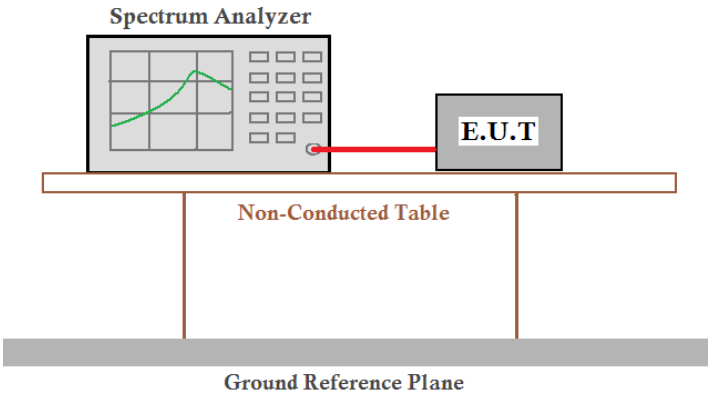
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	37.28	27.66	6.45	42.01	29.38	54.00	-24.62	Horizontal
2500.00	33.71	27.70	6.47	42.00	25.88	54.00	-28.12	Horizontal
2483.50	38.07	27.66	6.45	42.01	30.17	54.00	-23.83	Vertical
2500.00	32.52	27.70	6.47	42.00	24.69	54.00	-29.31	Vertical

Notes:

1. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

7.7 Spurious Emission

7.7.1 Conducted Emission Method

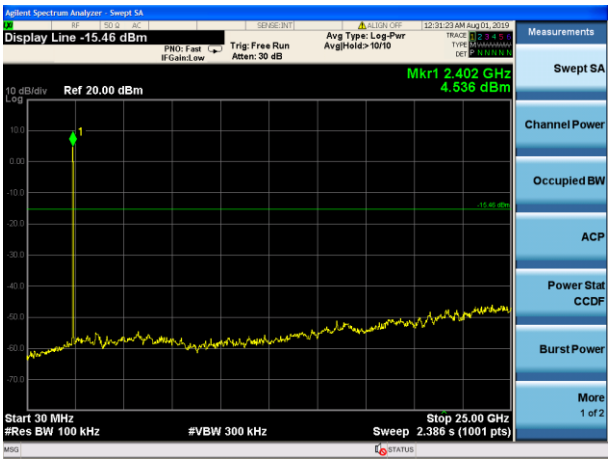
Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	KDB558074 D01 DTS Meas Guidance V05r02
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall 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.
Test setup:	
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Test plot as follows:

ANT 1:

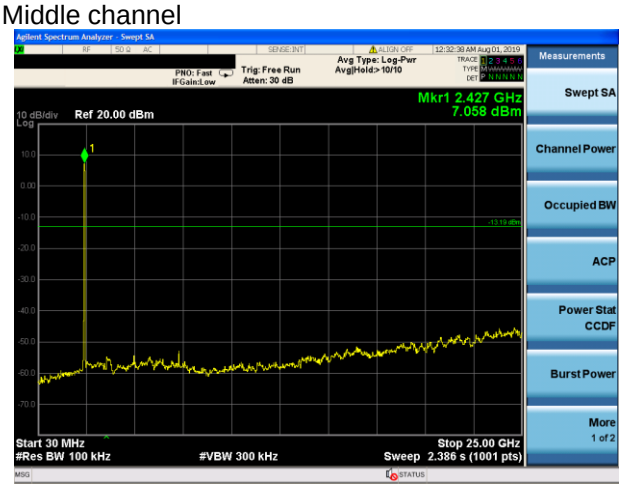
Test mode:	802.11b	Test mode:	802.11g

Lowest channel



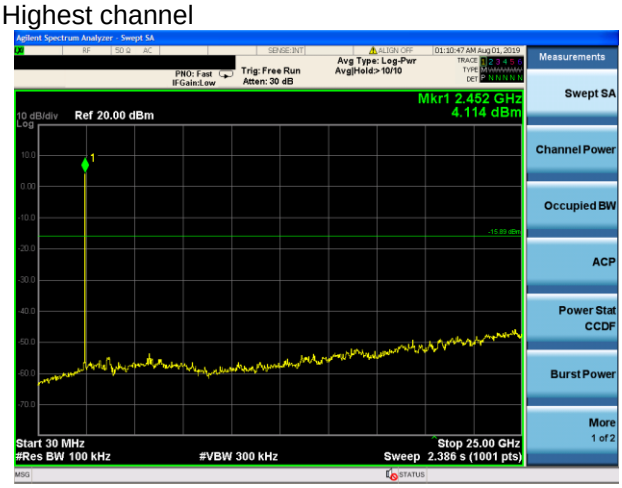
30MHz~25GHz

Middle channel



30MHz~25GHz

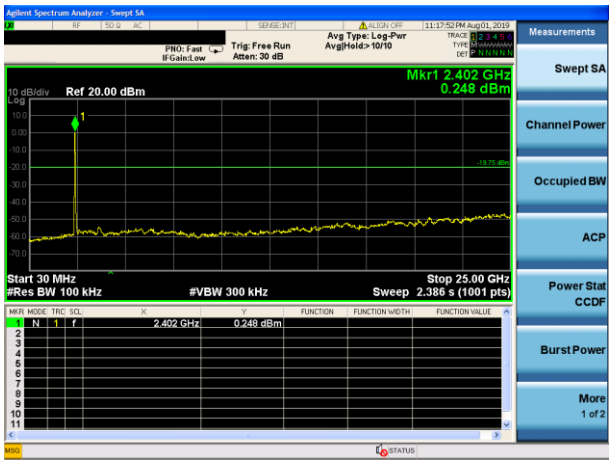
Highest channel



30MHz~25GHz

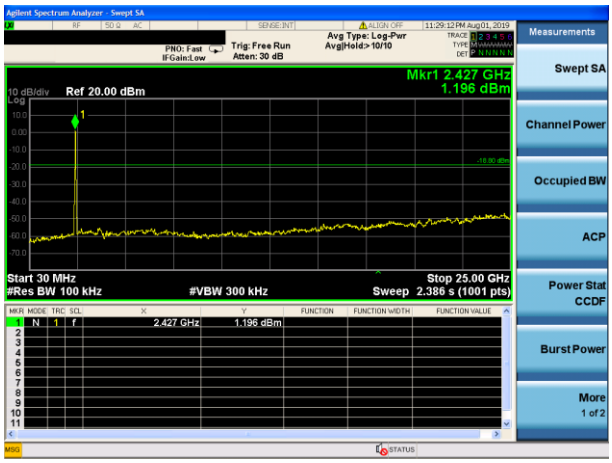
Test mode:	802.11n(HT20)	Test mode:	802.11n(HT40)

Lowest channel



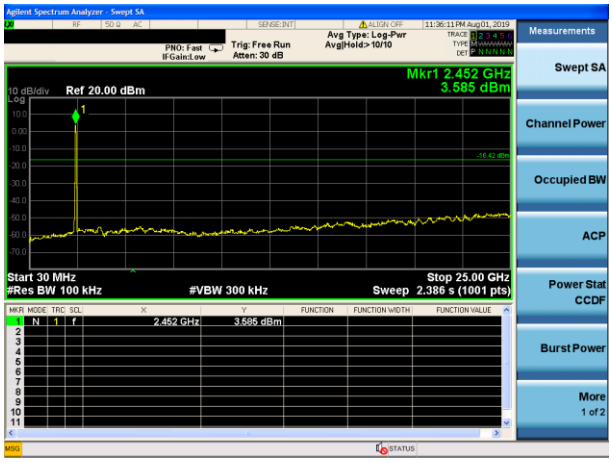
30MHz~25GHz

Middle channel



30MHz~25GHz

Highest channel



30MHz~25GHz

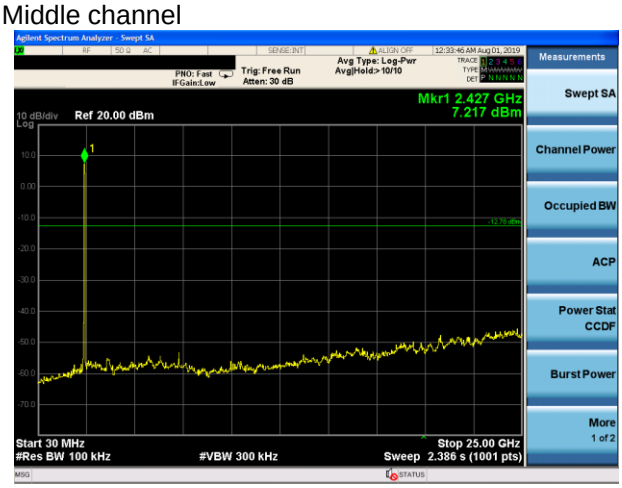
ANT 2:

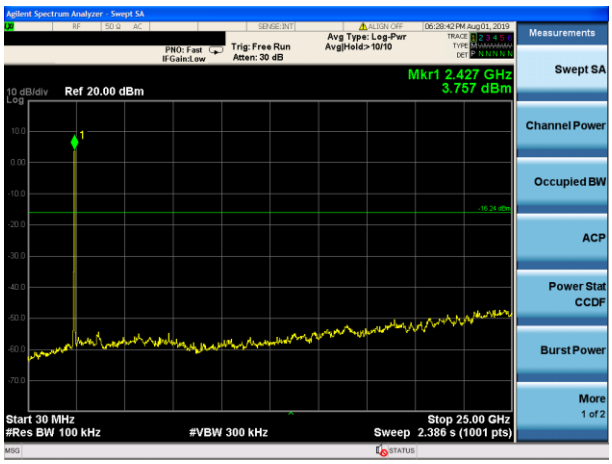
Test mode:	802.11b	Test mode:	802.11g

Lowest channel

30MHz~25GHz

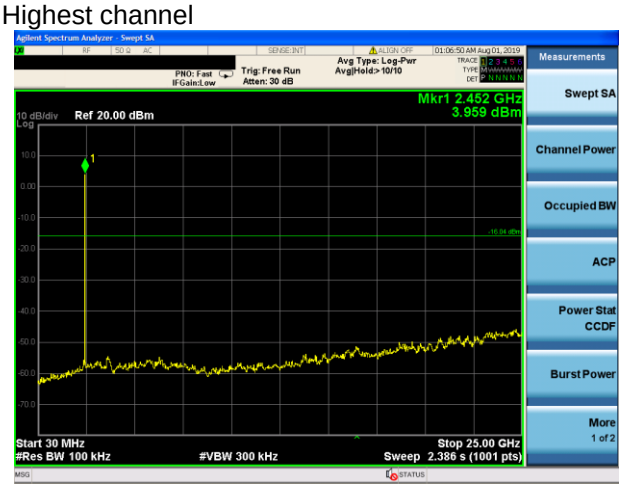
Middle channel

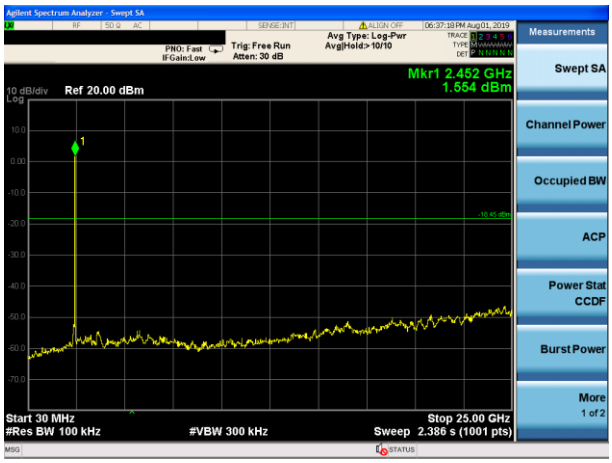




30MHz~25GHz

Highest channel

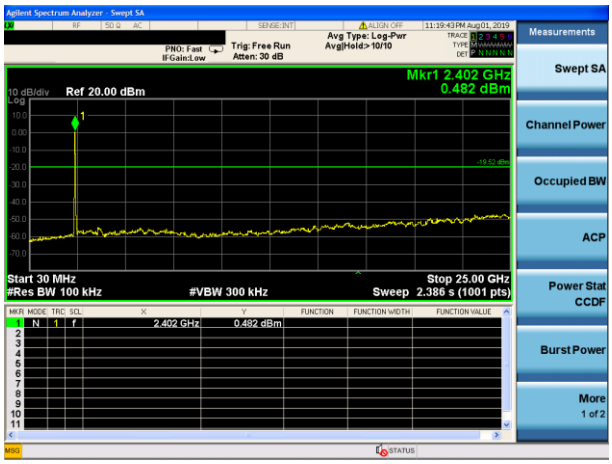




30MHz~25GHz

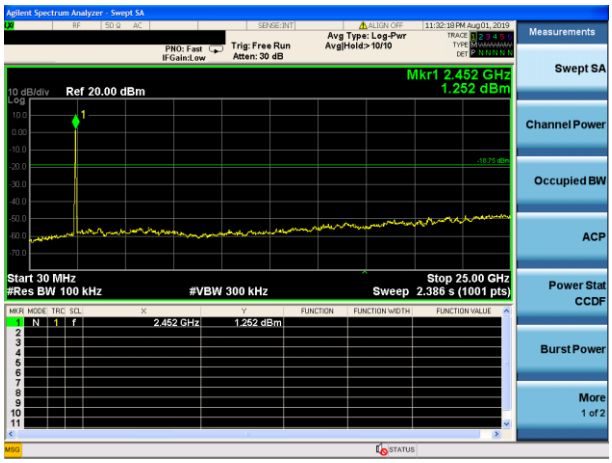
Test mode:	802.11n(HT20)	Test mode:	802.11n(HT40)

Lowest channel



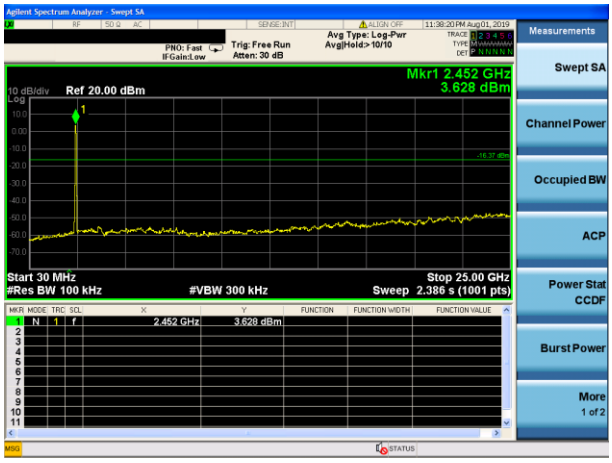
30MHz~25GHz

Middle channel



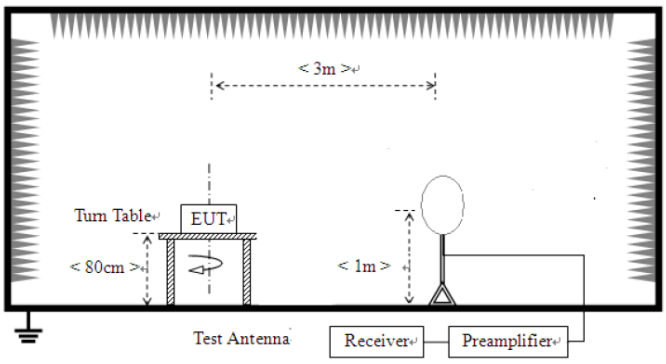
30MHz~25GHz

Highest channel

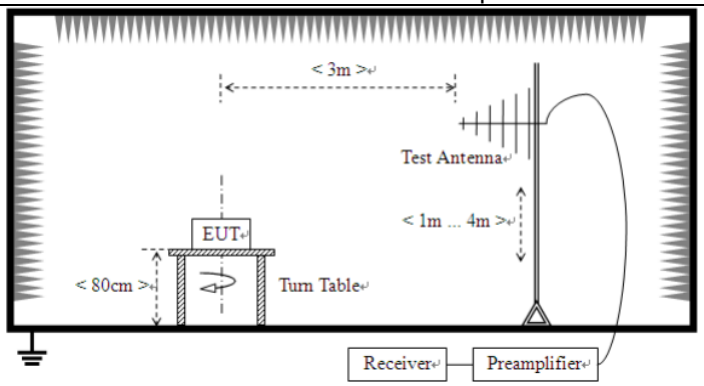


30MHz~25GHz

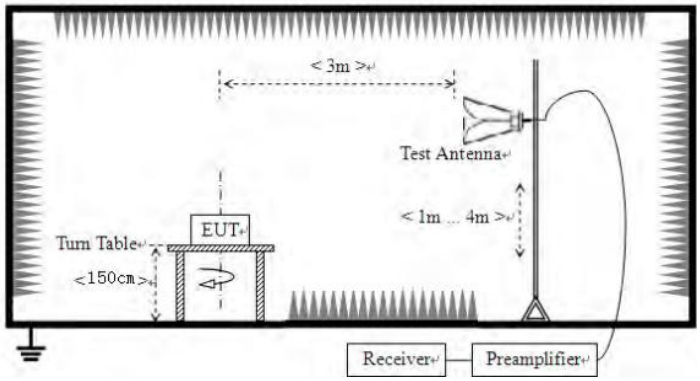
7.7.2 Radiated Emission Method

<table>
<tr><td>Test Requirement:</td><td>FCC Part15 C Section 15.209</td></tr>
<tr><td>Test Method:</td><td>ANSI C63.10:2013</td></tr>
<tr><td>Test Frequency Range:</td><td>9kHz to 25GHz</td></tr>
<tr><td>Test site:</td><td>Measurement Distance: 3m</td></tr>
<tr><td>Receiver setup:</td><td>
<table>
<tr><th>Frequency</th><th>Detector</th><th>RBW</th><th>VBW</th><th>Value</th></tr>
<tr><td>9KHz-150KHz</td><td>Quasi-peak</td><td>200Hz</td><td>600Hz</td><td>Quasi-peak</td></tr>
<tr><td>150KHz-30MHz</td><td>Quasi-peak</td><td>9KHz</td><td>30KHz</td><td>Quasi-peak</td></tr>
<tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>120KHz</td><td>300KHz</td><td>Quasi-peak</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak</td></tr>
<tr><td>Peak</td><td>1MHz</td><td>10Hz</td><td>Average</td></tr>
</table>
</td></tr>
<tr><td>Limit:</td><td>
<table>
<tr><th>Frequency</th><th>Limit (uV/m)</th><th>Value</th><th>Measurement Distance</th></tr>
<tr><td>0.009MHz-0.490MHz</td><td>2400/F(KHz)</td><td>QP</td><td>300m</td></tr>
<tr><td>0.490MHz-1.705MHz</td><td>24000/F(KHz)</td><td>QP</td><td>30m</td></tr>
<tr><td>1.705MHz-30MHz</td><td>30</td><td>QP</td><td>30m</td></tr>
<tr><td>30MHz-88MHz</td><td>100</td><td>QP</td><td rowspan="6">3m</td></tr>
<tr><td>88MHz-216MHz</td><td>150</td><td>QP</td></tr>
<tr><td>216MHz-960MHz</td><td>200</td><td>QP</td></tr>
<tr><td>960MHz-1GHz</td><td>500</td><td>QP</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>500</td><td>Average</td></tr>
<tr><td>5000</td><td>Peak</td></tr>
</table>
</td></tr>
<tr><td>Test setup:</td><td>For radiated emissions from 9kHz to 30MHz
 

For radiated emissions from 30MHz to1GHz</td></tr>
</table>



For radiated emissions above 1GHz



Test Instruments:	Refer to section 6.0 for details					
Test mode:	Refer to section 5.2 for details					
Test environment:	Temp.:	25 °C	Humid.:	52%	Press.:	1012mbar
Test voltage:	AC 120V, 60Hz					
Test results:	Pass					

Remark:

Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.

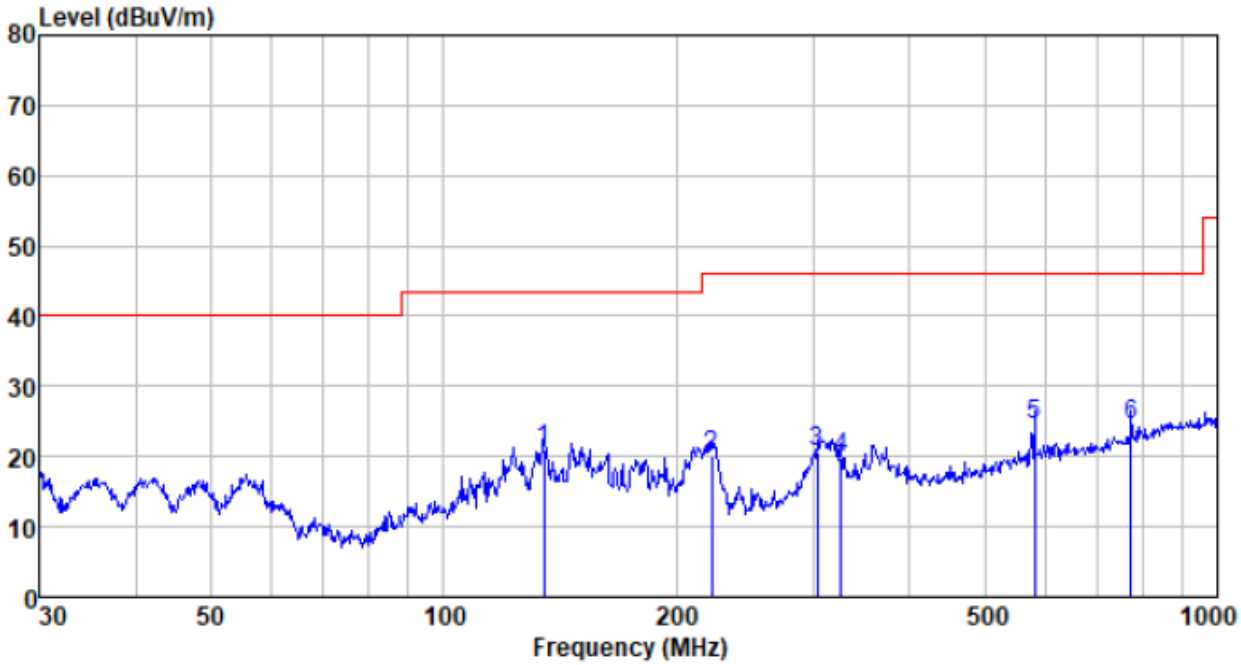
Measurement data:

■ **9kHz~30MHz**

The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

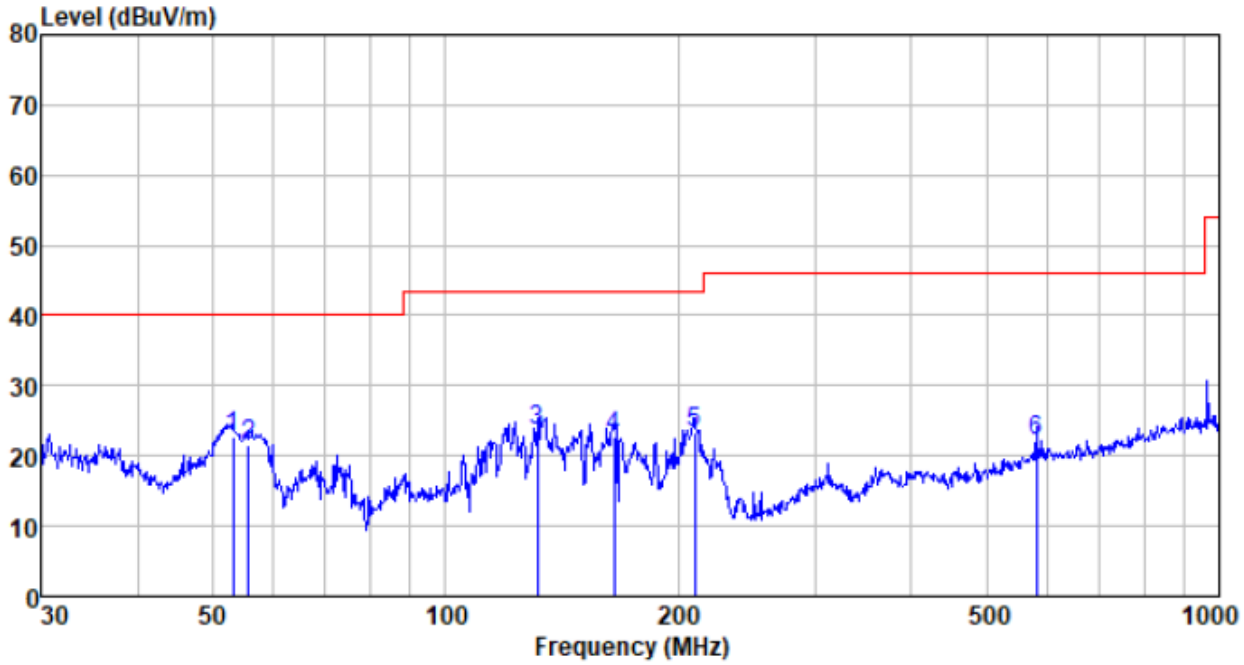
■ **Below 1GHz**

Horizontal:



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV	dBuV/m	dB	
134.559	48.70	7.82	1.47	36.98	21.01	43.50	-22.49	QP
222.170	44.28	11.24	1.97	37.35	20.14	46.00	-25.86	QP
303.544	41.88	13.68	2.38	37.42	20.52	46.00	-25.48	QP
326.740	40.64	14.12	2.50	37.45	19.81	46.00	-26.19	QP
580.703	39.45	19.06	3.65	37.53	24.63	46.00	-21.37	QP
774.158	36.78	20.97	4.36	37.62	24.49	46.00	-21.51	QP

Vertical:



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV	dBuV/m	dB	
53.131	46.04	11.98	0.80	36.23	22.59	40.00	-17.41	QP
55.609	45.25	11.73	0.82	36.26	21.54	40.00	-18.46	QP
131.297	50.99	8.06	1.44	36.96	23.53	43.50	-19.97	QP
164.908	49.94	8.40	1.66	37.16	22.84	43.50	-20.66	QP
210.048	48.02	10.80	1.90	37.34	23.38	43.50	-20.12	QP
580.703	37.05	19.06	3.65	37.53	22.23	46.00	-23.77	QP

■ **Above 1GHz : Only the worst case ANT 2 report**

Test mode:	802.11b	Test channel:	Lowest

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	40.11	31.79	8.62	32.10	48.42	74.00	-25.58	Vertical
7236.00	34.10	36.19	11.68	31.97	50.00	74.00	-24.00	Vertical
9648.00	32.63	38.07	14.16	31.56	53.30	74.00	-20.70	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	38.81	31.79	8.62	32.10	47.12	74.00	-26.88	Horizontal
7236.00	33.86	36.19	11.68	31.97	49.76	74.00	-24.24	Horizontal
9648.00	32.21	38.07	14.16	31.56	52.88	74.00	-21.12	Horizontal
12060.00	*					74.00		Horizontal
14472.00	*					74.00		Horizontal
16884.00	*					74.00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	29.21	31.79	8.62	32.10	37.52	54.00	-16.48	Vertical
7236.00	22.97	36.19	11.68	31.97	38.87	54.00	-15.13	Vertical
9648.00	22.98	38.07	14.16	31.56	43.65	54.00	-10.35	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	28.35	31.79	8.62	32.10	36.66	54.00	-17.34	Horizontal
7236.00	22.45	36.19	11.68	31.97	38.35	54.00	-15.65	Horizontal
9648.00	21.97	38.07	14.16	31.56	42.64	54.00	-11.36	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Notes:

1. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor*
2. *"*", means this data is the too weak instrument of signal is unable to test.*

Test mode:	802.11b	Test channel:	Middle

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	39.20	31.85	8.66	32.12	47.59	74.00	-26.41	Vertical
7311.00	34.19	36.37	11.71	31.91	50.36	74.00	-23.64	Vertical
9748.00	33.66	38.27	14.25	31.56	54.62	74.00	-19.38	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	39.70	31.85	8.66	32.12	48.09	74.00	-25.91	Horizontal
7311.00	32.85	36.37	11.71	31.91	49.02	74.00	-24.98	Horizontal
9748.00	33.56	38.27	14.25	31.56	54.52	74.00	-19.48	Horizontal
12185.00	*					74.00		Horizontal
14622.00	*					74.00		Horizontal
17059.00	*					74.00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	30.06	31.85	8.66	32.12	38.45	54.00	-15.55	Vertical
7311.00	22.51	36.37	11.71	31.91	38.68	54.00	-15.32	Vertical
9748.00	22.92	38.27	14.25	31.56	43.88	54.00	-10.12	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	29.82	31.85	8.66	32.12	38.21	54.00	-15.79	Horizontal
7311.00	21.94	36.37	11.71	31.91	38.11	54.00	-15.89	Horizontal
9748.00	23.27	38.27	14.25	31.56	44.23	54.00	-9.77	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

Notes:

1. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor*
2. *"*", means this data is the too weak instrument of signal is unable to test.*

Test mode:	802.11b	Test channel:	Highest

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	44.61	31.90	8.70	32.15	53.06	74.00	-20.94	Vertical
7386.00	34.80	36.49	11.76	31.83	51.22	74.00	-22.78	Vertical
9848.00	36.91	38.62	14.31	31.77	58.07	74.00	-15.93	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	43.96	31.90	8.70	32.15	52.41	74.00	-21.59	Horizontal
7386.00	33.72	36.49	11.76	31.83	50.14	74.00	-23.86	Horizontal
9848.00	33.09	38.62	14.31	31.77	54.25	74.00	-19.75	Horizontal
12310.00	*					74.00		Horizontal
14772.00	*					74.00		Horizontal
17234.00	*					74.00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	35.55	31.90	8.70	32.15	44.00	54.00	-10.00	Vertical
7386.00	24.72	36.49	11.76	31.83	41.14	54.00	-12.86	Vertical
9848.00	25.42	38.62	14.31	31.77	46.58	54.00	-7.42	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	34.34	31.90	8.70	32.15	42.79	54.00	-11.21	Horizontal
7386.00	23.11	36.49	11.76	31.83	39.53	54.00	-14.47	Horizontal
9848.00	22.35	38.62	14.31	31.77	43.51	54.00	-10.49	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

Notes:

1. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor*
2. *"*", means this data is the too weak instrument of signal is unable to test.*

Test mode:	802.11g	Test channel:	lowest

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	39.55	31.79	8.62	32.10	47.86	74.00	-26.14	Vertical
7236.00	33.75	36.19	11.68	31.97	49.65	74.00	-24.35	Vertical
9648.00	32.38	38.07	14.16	31.56	53.05	74.00	-20.95	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	38.33	31.79	8.62	32.10	46.64	74.00	-27.36	Horizontal
7236.00	33.56	36.19	11.68	31.97	49.46	74.00	-24.54	Horizontal
9648.00	31.98	38.07	14.16	31.56	52.65	74.00	-21.35	Horizontal
12060.00	*					74.00		Horizontal
14472.00	*					74.00		Horizontal
16884.00	*					74.00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	28.69	31.79	8.62	32.10	37.00	54.00	-17.00	Vertical
7236.00	22.63	36.19	11.68	31.97	38.53	54.00	-15.47	Vertical
9648.00	22.74	38.07	14.16	31.56	43.41	54.00	-10.59	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertica
4824.00	27.91	31.79	8.62	32.10	36.22	54.00	-17.78	Horizontal
7236.00	22.15	36.19	11.68	31.97	38.05	54.00	-15.95	Horizontal
9648.00	21.74	38.07	14.16	31.56	42.41	54.00	-11.59	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Notes:

1. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor*
2. *"*", means this data is the too weak instrument of signal is unable to test.*

Test mode:	802.11g	Test channel:	Middle

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	38.73	31.85	8.66	32.12	47.12	74.00	-26.88	Vertical
7311.00	33.90	36.37	11.71	31.91	50.07	74.00	-23.93	Vertical
9748.00	33.45	38.27	14.25	31.56	54.41	74.00	-19.59	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	39.31	31.85	8.66	32.12	47.70	74.00	-26.30	Horizontal
7311.00	32.59	36.37	11.71	31.91	48.76	74.00	-25.24	Horizontal
9748.00	33.37	38.27	14.25	31.56	54.33	74.00	-19.67	Horizontal
12185.00	*					74.00		Horizontal
14622.00	*					74.00		Horizontal
17059.00	*					74.00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	29.64	31.85	8.66	32.12	38.03	54.00	-15.97	Vertical
7311.00	22.23	36.37	11.71	31.91	38.40	54.00	-15.60	Vertical
9748.00	22.72	38.27	14.25	31.56	43.68	54.00	-10.32	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	29.45	31.85	8.66	32.12	37.84	54.00	-16.16	Horizontal
7311.00	21.69	36.37	11.71	31.91	37.86	54.00	-16.14	Horizontal
9748.00	23.09	38.27	14.25	31.56	44.05	54.00	-9.95	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

Notes:

1. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor*
2. *"*", means this data is the too weak instrument of signal is unable to test.*

Test mode:	802.11g	Test channel:	Highest

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	43.82	31.90	8.70	32.15	52.27	74.00	-21.73	Vertical
7386.00	34.29	36.49	11.76	31.83	50.71	74.00	-23.29	Vertical
9848.00	36.55	38.62	14.31	31.77	57.71	74.00	-16.29	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	43.29	31.90	8.70	32.15	51.74	74.00	-22.26	Horizontal
7386.00	33.28	36.49	11.76	31.83	49.70	74.00	-24.30	Horizontal
9848.00	32.76	38.62	14.31	31.77	53.92	74.00	-20.08	Horizontal
12310.00	*					74.00		Horizontal
14772.00	*					74.00		Horizontal
17234.00	*					74.00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	34.82	31.90	8.70	32.15	43.27	54.00	-10.73	Vertical
7386.00	24.23	36.49	11.76	31.83	40.65	54.00	-13.35	Vertical
9848.00	25.07	38.62	14.31	31.77	46.23	54.00	-7.77	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	33.71	31.90	8.70	32.15	42.16	54.00	-11.84	Horizontal
7386.00	22.69	36.49	11.76	31.83	39.11	54.00	-14.89	Horizontal
9848.00	22.03	38.62	14.31	31.77	43.19	54.00	-10.81	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

Notes:

1. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor*
2. *"*", means this data is the too weak instrument of signal is unable to test.*

Test mode:	802.11n(HT20)	Test channel:	Lowest

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	37.92	31.79	8.62	32.10	46.23	74.00	-27.77	Vertical
7236.00	32.72	36.19	11.68	31.97	48.62	74.00	-25.38	Vertical
9648.00	31.64	38.07	14.16	31.56	52.31	74.00	-21.69	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	36.96	31.79	8.62	32.10	45.27	74.00	-28.73	Horizontal
7236.00	32.65	36.19	11.68	31.97	48.55	74.00	-25.45	Horizontal
9648.00	31.30	38.07	14.16	31.56	51.97	74.00	-22.03	Horizontal
12060.00	*					74.00		Horizontal
14472.00	*					74.00		Horizontal
16884.00	*					74.00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	27.19	31.79	8.62	32.10	35.50	54.00	-18.50	Vertical
7236.00	21.64	36.19	11.68	31.97	37.54	54.00	-16.46	Vertical
9648.00	22.03	38.07	14.16	31.56	42.70	54.00	-11.30	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	26.62	31.79	8.62	32.10	34.93	54.00	-19.07	Horizontal
7236.00	21.28	36.19	11.68	31.97	37.18	54.00	-16.82	Horizontal
9648.00	21.09	38.07	14.16	31.56	41.76	54.00	-12.24	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Notes:

1. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor*
2. *"*", means this data is the too weak instrument of signal is unable to test.*

Test mode:	802.11n(HT20)	Test channel:	Middle

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	37.39	31.85	8.66	32.12	45.78	74.00	-28.22	Vertical
7311.00	33.05	36.37	11.71	31.91	49.22	74.00	-24.78	Vertical
9748.00	32.84	38.27	14.25	31.56	53.80	74.00	-20.20	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	38.17	31.85	8.66	32.12	46.56	74.00	-27.44	Horizontal
7311.00	31.84	36.37	11.71	31.91	48.01	74.00	-25.99	Horizontal
9748.00	32.80	38.27	14.25	31.56	53.76	74.00	-20.24	Horizontal
12185.00	*					74.00		Horizontal
14622.00	*					74.00		Horizontal
17059.00	*					74.00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	28.39	31.85	8.66	32.12	36.78	54.00	-17.22	Vertical
7311.00	21.41	36.37	11.71	31.91	37.58	54.00	-16.42	Vertical
9748.00	22.13	38.27	14.25	31.56	43.09	54.00	-10.91	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	28.39	31.85	8.66	32.12	36.78	54.00	-17.22	Horizontal
7311.00	20.97	36.37	11.71	31.91	37.14	54.00	-16.86	Horizontal
9748.00	22.55	38.27	14.25	31.56	43.51	54.00	-10.49	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

Notes:

1. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor*
2. *"*", means this data is the too weak instrument of signal is unable to test.*

Test mode:	802.11n(HT20)	Test channel:	Highest

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	41.49	31.90	8.70	32.15	49.94	74.00	-24.06	Vertical
7386.00	32.82	36.49	11.76	31.83	49.24	74.00	-24.76	Vertical
9848.00	35.50	38.62	14.31	31.77	56.66	74.00	-17.34	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	41.33	31.90	8.70	32.15	49.78	74.00	-24.22	Horizontal
7386.00	31.99	36.49	11.76	31.83	48.41	74.00	-25.59	Horizontal
9848.00	31.79	38.62	14.31	31.77	52.95	74.00	-21.05	Horizontal
12310.00	*					74.00		Horizontal
14772.00	*					74.00		Horizontal
17234.00	*					74.00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	32.67	31.90	8.70	32.15	41.12	54.00	-12.88	Vertical
7386.00	22.81	36.49	11.76	31.83	39.23	54.00	-14.77	Vertical
9848.00	24.06	38.62	14.31	31.77	45.22	54.00	-8.78	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	31.87	31.90	8.70	32.15	40.32	54.00	-13.68	Horizontal
7386.00	21.44	36.49	11.76	31.83	37.86	54.00	-16.14	Horizontal
9848.00	21.10	38.62	14.31	31.77	42.26	54.00	-11.74	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

Notes:

1. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor*
2. *"*", means this data is the too weak instrument of signal is unable to test.*

Test mode:	802.11n(HT40)	Test channel:	Lowest

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4844.00	39.38	31.81	8.63	32.11	47.71	74.00	-26.29	Vertical
7266.00	33.64	36.28	11.69	31.94	49.67	74.00	-24.33	Vertical
9688.00	32.30	38.13	14.21	31.52	53.12	74.00	-20.88	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4844.00	38.19	31.81	8.63	32.11	46.52	74.00	-27.48	Horizontal
7266.00	33.46	36.28	11.69	31.94	49.49	74.00	-24.51	Horizontal
9688.00	31.91	38.13	14.21	31.52	52.73	74.00	-21.27	Horizontal
12060.00	*					74.00		Horizontal
14472.00	*					74.00		Horizontal
16884.00	*					74.00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4844.00	28.53	31.81	8.63	32.11	36.86	54.00	-17.14	Vertical
7266.00	22.53	36.28	11.69	31.94	38.56	54.00	-15.44	Vertical
9688.00	22.66	38.13	14.21	31.52	43.48	54.00	-10.52	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4844.00	27.77	31.81	8.63	32.11	36.10	54.00	-17.90	Horizontal
7266.00	22.06	36.28	11.69	31.94	38.09	54.00	-15.91	Horizontal
9688.00	21.67	38.13	14.21	31.52	42.49	54.00	-11.51	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Notes:

1. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor*
2. *"*", means this data is the too weak instrument of signal is unable to test.*

Test mode:	802.11n(HT40)	Test channel:	Middle

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	38.59	31.85	8.66	32.12	46.98	74.00	-27.02	Vertical
7311.00	33.81	36.37	11.71	31.91	49.98	74.00	-24.02	Vertical
9748.00	33.39	38.27	14.25	31.56	54.35	74.00	-19.65	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	39.19	31.85	8.66	32.12	47.58	74.00	-26.42	Horizontal
7311.00	32.51	36.37	11.71	31.91	48.68	74.00	-25.32	Horizontal
9748.00	33.31	38.27	14.25	31.56	54.27	74.00	-19.73	Horizontal
12185.00	*					74.00		Horizontal
14622.00	*					74.00		Horizontal
17059.00	*					74.00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	29.50	31.85	8.66	32.12	37.89	54.00	-16.11	Vertical
7311.00	22.14	36.37	11.71	31.91	38.31	54.00	-15.69	Vertical
9748.00	22.66	38.27	14.25	31.56	43.62	54.00	-10.38	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	29.34	31.85	8.66	32.12	37.73	54.00	-16.27	Horizontal
7311.00	21.61	36.37	11.71	31.91	37.78	54.00	-16.22	Horizontal
9748.00	23.03	38.27	14.25	31.56	43.99	54.00	-10.01	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

Notes:

1. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor*
2. *"*", means this data is the too weak instrument of signal is unable to test.*

Test mode:	802.11n(HT40)	Test channel:	Highest

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4904.00	43.57	31.88	8.68	32.13	52.00	74.00	-22.00	Vertical
7356.00	34.14	36.45	11.75	31.86	50.48	74.00	-23.52	Vertical
9808.00	36.44	38.43	14.29	31.68	57.48	74.00	-16.52	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4904.00	43.08	31.88	8.68	32.13	51.51	74.00	-22.49	Horizontal
7356.00	33.14	36.45	11.75	31.86	49.48	74.00	-24.52	Horizontal
9808.00	32.65	38.43	14.29	31.68	53.69	74.00	-20.31	Horizontal
12310.00	*					74.00		Horizontal
14772.00	*					74.00		Horizontal
17234.00	*					74.00		Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4904.00	34.59	31.88	8.68	32.13	43.02	54.00	-10.98	Vertical
7356.00	24.08	36.45	11.75	31.86	40.42	54.00	-13.58	Vertical
9808.00	24.96	38.43	14.29	31.68	46.00	54.00	-8.00	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4904.00	33.51	31.88	8.68	32.13	41.94	54.00	-12.06	Horizontal
7356.00	22.55	36.45	11.75	31.86	38.89	54.00	-15.11	Horizontal
9808.00	21.93	38.43	14.29	31.68	42.97	54.00	-11.03	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

Notes:

1. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor*
2. *"*", means this data is the too weak instrument of signal is unable to test.*

8 Test Setup Photo

Reference to the **appendix I** for details.

9 EUT Constructional Details

Reference to the **appendix II** for details.

------End------