Test mode:	802.11g_MIMO_Chain A+B	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	47.52	26.91	3.56	35.87	42.12	74.00	-31.88	Horizontal
2390.00	55.84	27.11	3.64	35.08	50.51	74.00	-23.49	Horizontal
2310.00	48.61	26.91	3.56	35.89	43.21	74.00	-30.79	Vertical
2390.00	61.97	27.11	3.64	36.08	56.64	74.00	-17.36	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	36.73	26.91	3.56	35.87	31.33	54.00	-22.67	Horizontal
2390.00	40.92	27.11	3.64	36.08	35.59	54.00	-18.41	Horizontal
2310.00	37.54	26.91	3.56	35.89	43.21	54.00	-21.86	Vertical
2390.00	45.81	27.11	3.64	36.08	40.48	54.00	-13.52	Vertical

Test mode:	802.11g_MIMO_Chain A+B	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	60.71	27.36	3.68	36.33	55.42	74.00	-18.58	Horizontal
2500.00	50.45	27.40	3.68	36.37	45.16	74.00	-28.84	Horizontal
2483.50	60.86	27.36	3.68	36.33	55.57	74.00	-18.43	Vertical
2500.00	50.42	27.40	3.68	36.37	45.13	74.00	-28.87	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	45.14	27.36	3.68	36.33	39.85	54.00	-14.15	Horizontal
2500.00	38.88	27.40	3.68	36.37	33.59	54.00	-20.41	Horizontal
2483.50	45.45	27.36	3.68	36.33	40.16	54.00	-13.84	Vertical
2500.00	38.94	27.40	3.68	36.37	33.65	54.00	-20.35	Vertical

Remark:
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.*

Test mode:	802.11n(HT20)_MIMO_Chain A+B	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	47.40	26.91	3.56	35.87	42.00	74.00	-32.00	Horizontal
2390.00	57.28	27.11	3.64	36.08	51.95	74.00	-22.05	Horizontal
2310.00	49.61	26.91	3.56	35.87	44.21	74.00	-29.79	Vertical
2390.00	66.25	27.11	3.64	36.08	60.92	74.00	-13.08	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	36.97	26.91	3.56	35.87	31.57	54.00	-22.43	Horizontal
2390.00	42.78	27.11	3.64	36.08	37.45	54.00	-16.55	Horizontal
2310.00	38.27	26.91	3.56	35.87	32.87	54.00	-21.13	Vertical
2390.00	51.50	27.11	3.64	36.08	46.17	54.00	-7.83	Vertical

Test mode:	802.11n(HT20)_MIMO_Chain A+B	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	61.86	27.36	3.68	36.33	56.57	74.00	-17.43	Horizontal
2500.00	50.42	27.40	3.68	36.37	45.13	74.00	-28.87	Horizontal
2483.50	63.95	27.36	3.68	36.33	58.66	74.00	-15.34	Vertical
2500.00	49.60	27.40	3.68	36.37	44.31	74.00	-29.69	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	46.11	27.36	3.68	36.33	40.82	54.00	-13.18	Horizontal
2500.00	38.64	27.40	3.68	36.37	33.35	54.00	-20.65	Horizontal
2483.50	48.09	27.36	3.68	36.33	42.8	54.00	-11.2	Vertical
2500.00	39.11	27.40	3.68	36.37	33.82	54.00	-20.18	Vertical

Remark:

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.

| Test mode: | | 802.11n(HT40)_MIMO_Chain A+B | | | Test channel: | | Lowest | |

Peak value:

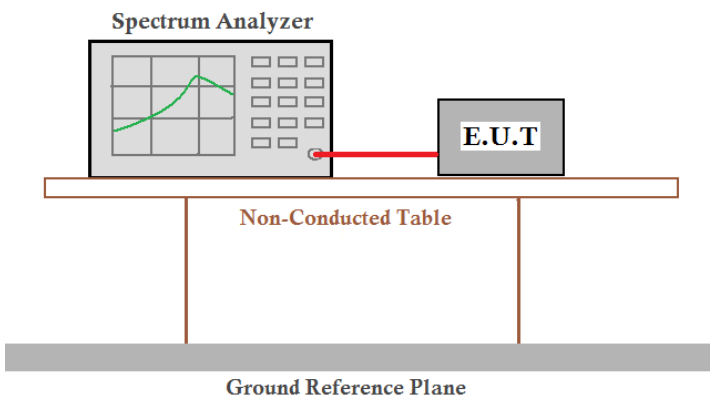| Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	47.37	26.91	3.56	35.87	41.97	74.00	-32.03	Horizontal
2390.00	61.59	27.11	3.64	36.08	56.26	74.00	-17.74	Horizontal
2310.00	48.49	26.91	3.56	35.87	43.09	74.00	-30.91	Vertical
2390.00	69.18	27.11	3.64	36.08	63.85	74.00	-10.15	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	36.54	26.91	3.56	35.87	31.14	54.00	-22.86	Horizontal
2390.00	48.03	27.11	3.64	36.08	42.7	54.00	-11.3	Horizontal
2310.00	38.13	26.91	3.56	35.87	32.73	54.00	-21.27	Vertical
2390.00	55.35	27.11	3.64	36.08	50.02	54.00	-3.98	Vertical

| Test mode: | | 802.11n(HT40)_MIMO_Chain A+B | | | 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	63.54	27.36	3.68	36.33	58.25	74.00	-15.75	Horizontal
2500.00	58.79	27.40	3.68	36.37	53.5	74.00	-20.5	Horizontal
2483.50	66.99	27.36	3.68	36.33	61.7	74.00	-12.3	Vertical
2500.00	59.96	27.40	3.68	36.37	54.67	74.00	-19.33	Vertical

Average value:

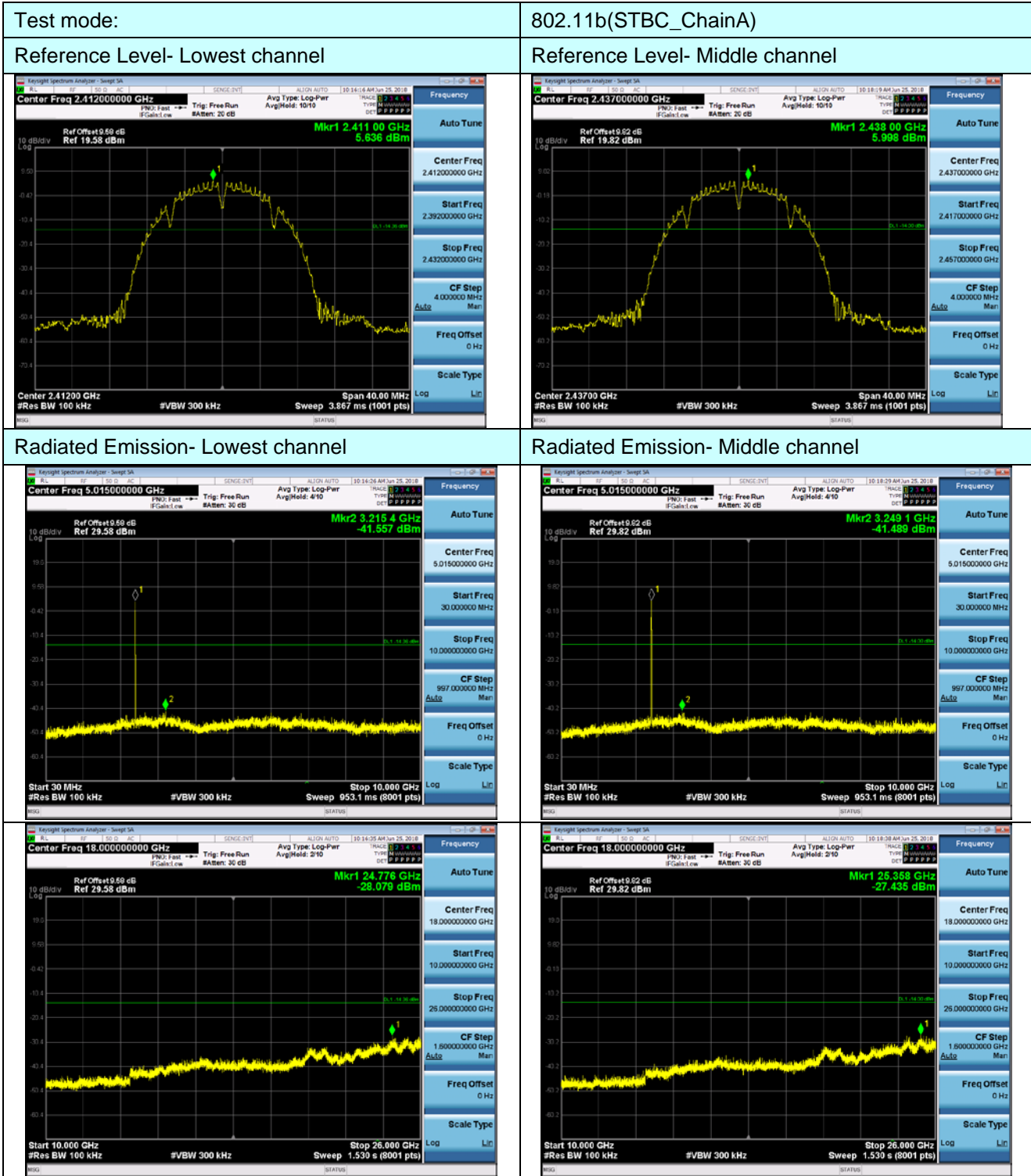| Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	50.04	27.36	3.68	36.33	44.75	54.00	-9.25	Horizontal
2500.00	43.51	27.40	3.68	36.37	38.22	54.00	-15.78	Horizontal
2483.50	53.63	27.36	3.68	36.33	48.34	54.00	-5.66	Vertical
2500.00	43.99	27.40	3.68	36.37	38.7	54.00	-15.3	Vertical

Remark:
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.
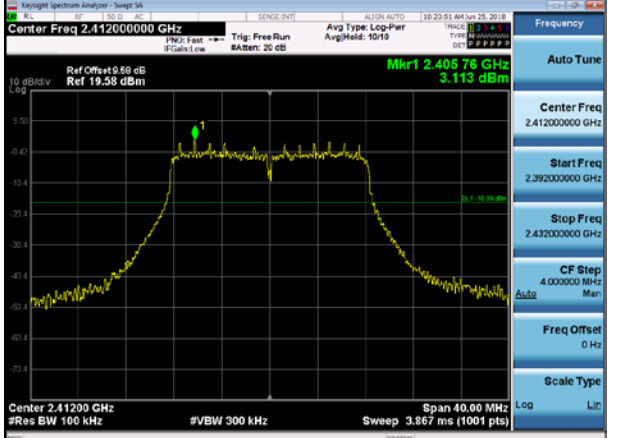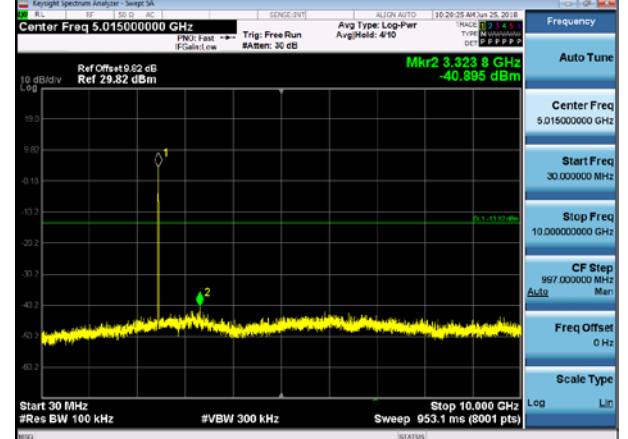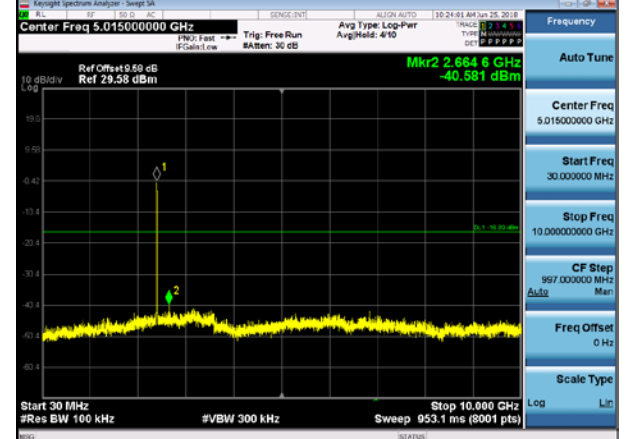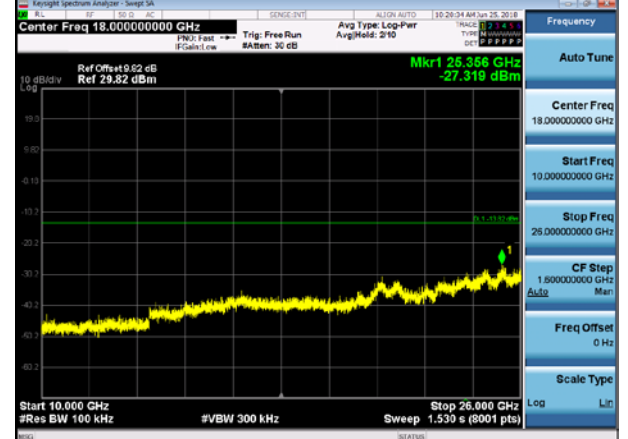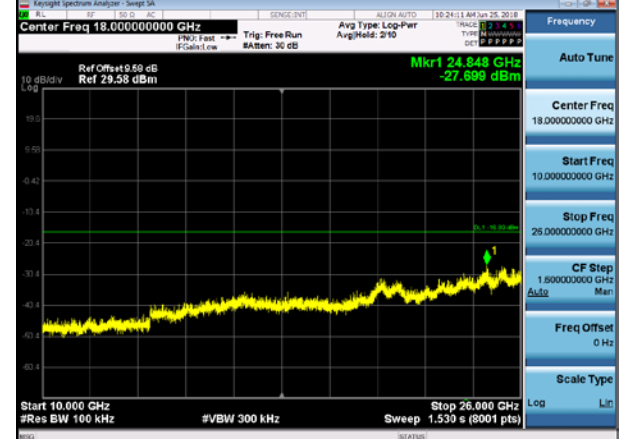
7.7 Spurious Emission
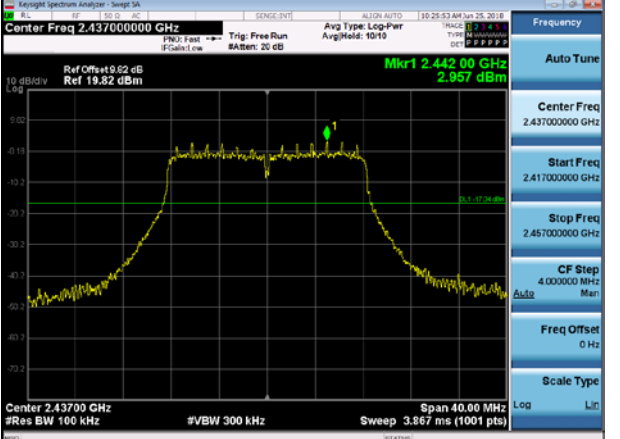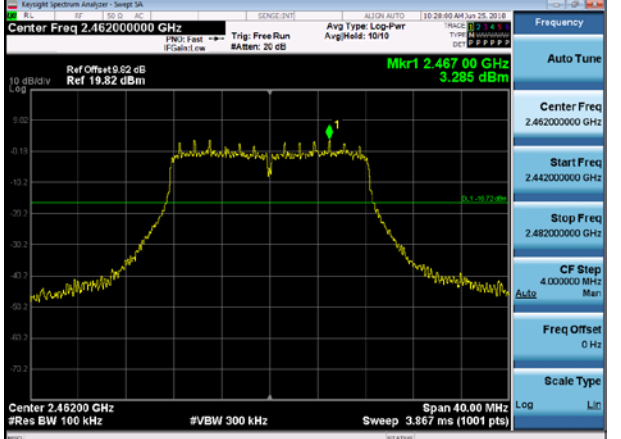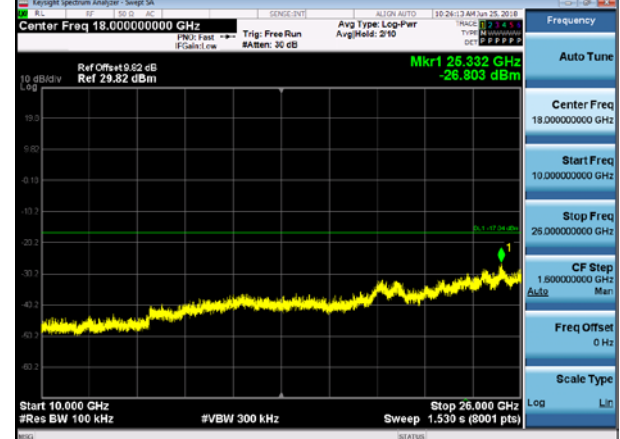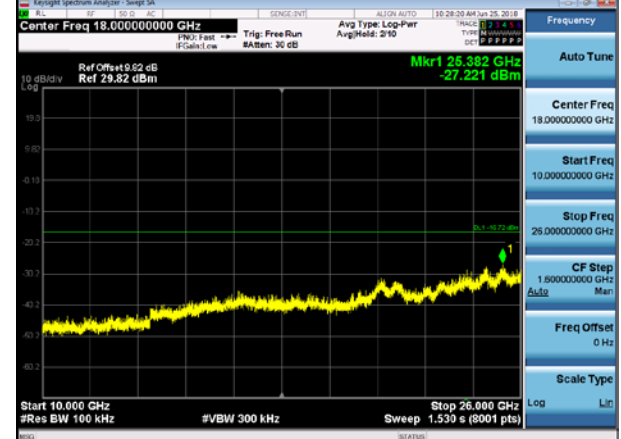
7.7.1 Conducted Emission Method

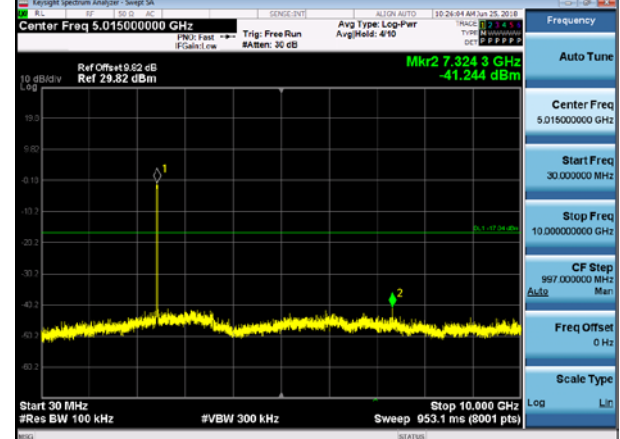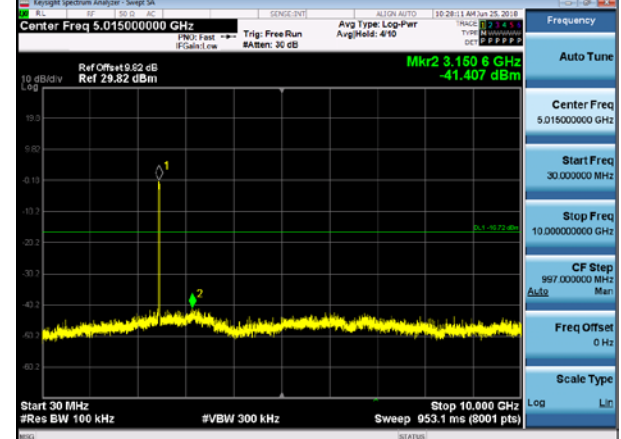| Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	KDB558074 D01 DTS Meas Guidance V04
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall 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
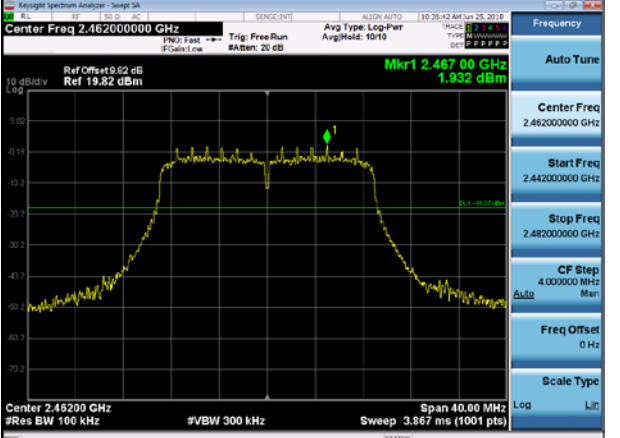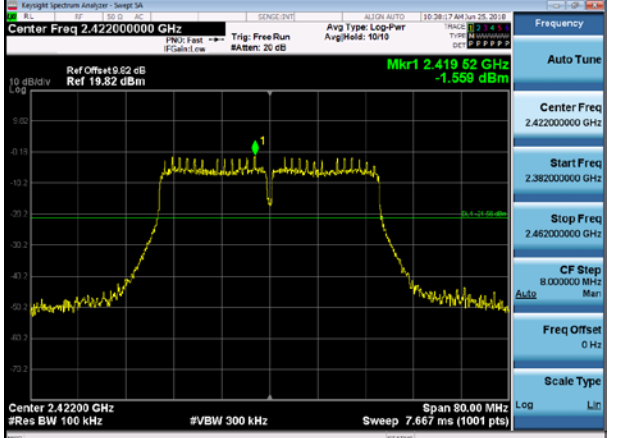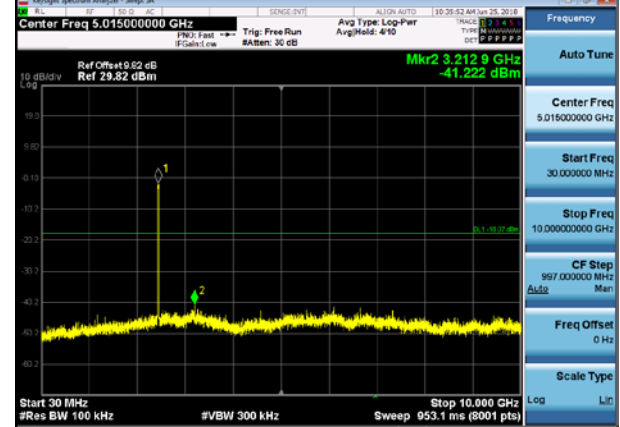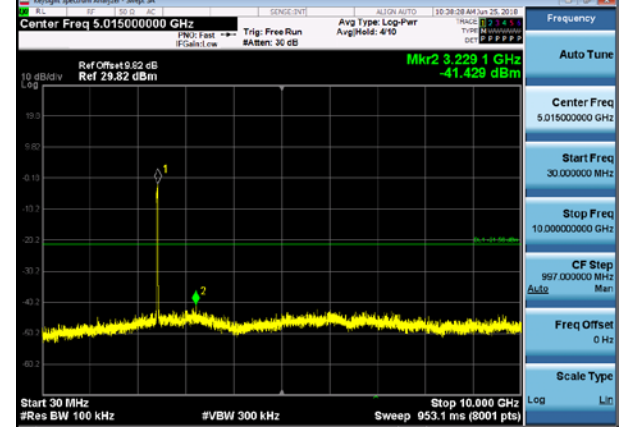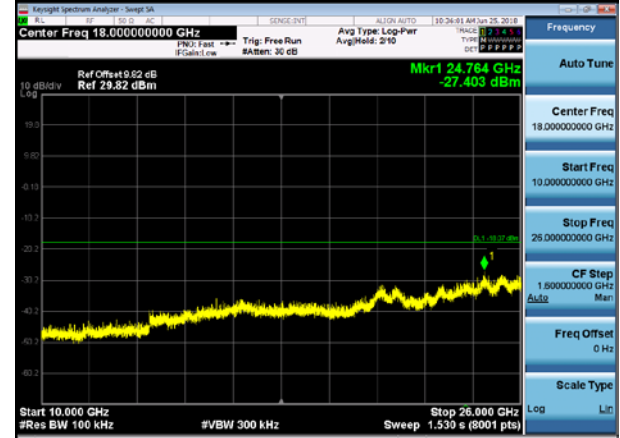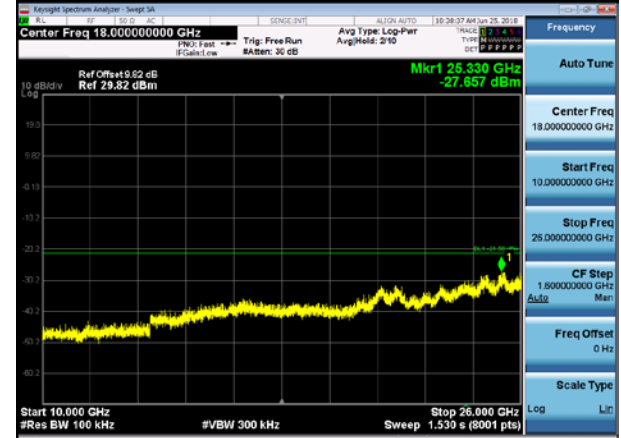
Test plot as follows:

Test mode:	802.11b(STBC_ChainA)
Reference Level- Lowest channel	Reference Level- Middle channel
Radiated Emission- Lowest channel	Radiated Emission- Middle channel

Test mode:	
802.11b(STBC_ChainA)	802.11g(MIMO_ChainA)
Reference Level- Highest channel	Reference Level- Lowest channel
Radiated Emission- Highest channel	Radiated Emission- Lowest channel

Test mode:	802.11g(MIMO_ChainA)
Reference Level- Middle channel	Reference Level- Highest channel
Radiated Emission- Middle channel	Radiated Emission- Highest channel

Test mode:	802.11n-HT20(MIMO_ChainA)
Reference Level- Lowest channel	Reference Level- Middle channel
Radiated Emission- Lowest channel	Radiated Emission- Middle channel

Test mode:	
802.11n-HT20(MIMO_ChainA)	802.11n-HT40(MIMO_ChainA)
Reference Level- Highest channel	Reference Level- Lowest channel
Radiated Emission- Highest channel	Radiated Emission- Lowest channel

Test mode:	802.11n-HT40(MIMO_ChainA)
Reference Level- Middle channel	Reference Level- Highest channel

Radiated Emission- Middle channel	Radiated Emission- Highest channel

7.7.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209				
Test Method:	ANSI C63.10:2013				
Test Frequency Range:	9kHz to 25GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
	150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10Hz	Average

Limit:	Frequency	Limit (uV/m)	Value	Measurement Distance
	0.009MHz-0.490MHz	2400/F(KHz)	QP	300m
	0.490MHz-1.705MHz	24000/F(KHz)	QP	300m
	1.705MHz-30MHz	30	QP	30m
	30MHz-88MHz	100	QP	3m
	88MHz-216MHz	150	QP	
	216MHz-960MHz	200	QP	
	960MHz-1GHz	500	QP	
	Above 1GHz	500	Average	
		5000	Peak	

Test setup:

Below 30MHz

Below 1GHz

Above 1GHz

Test Procedure:	1. The EUT was placed on the top of a rotating table (0.8m for below 1G and 1.5m for above 1G) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
	2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
	3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
	4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.
	5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
	6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Remark:

Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Z-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:

Data: 1
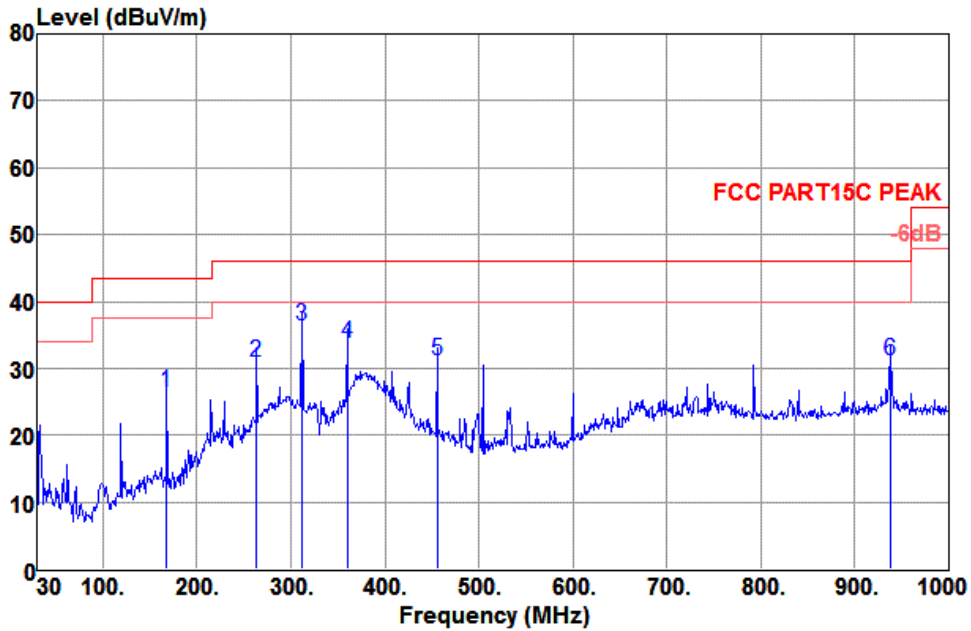
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
167.740	43.04	13.43	2.53	32.52	26.48	43.50	−17.02	QP
263.770	48.50	11.81	3.25	32.53	31.03	46.00	−14.97	QP
312.270	52.11	13.13	3.52	32.51	36.25	46.00	−9.75	QP
359.800	48.35	14.04	3.86	32.49	33.76	46.00	−12.24	QP
455.830	43.49	15.75	4.34	32.52	31.06	46.00	−14.94	QP
937.920	34.95	21.93	6.43	32.06	31.25	46.00	−14.75	QP

Vertical:

Data: 2
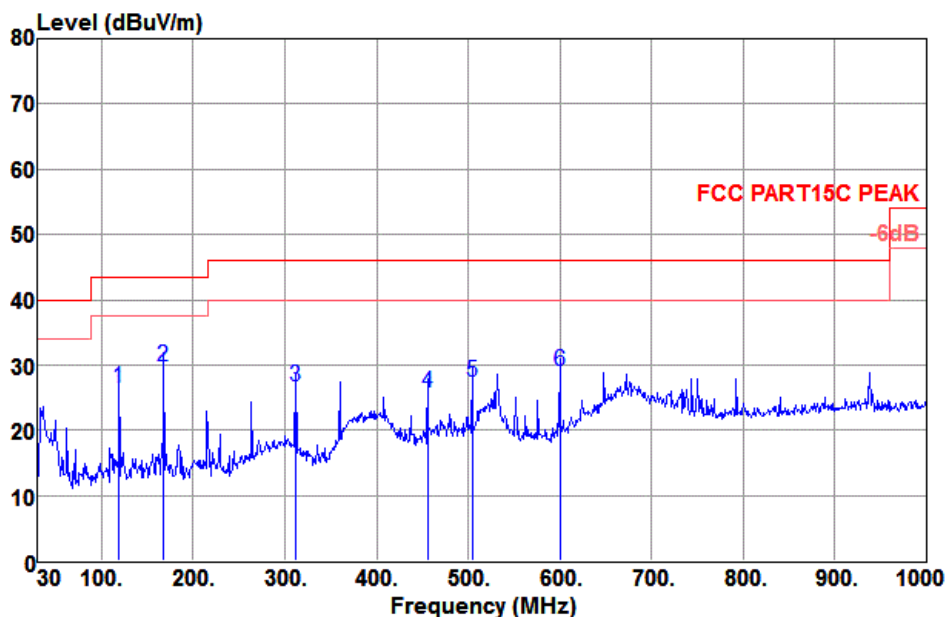
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV	Limit level dBuV/m	Over limit dB	Remark
119.240	44.59	12.12	2.11	32.47	26.35	43.50	-17.15	QP
167.740	46.34	13.43	2.53	32.52	29.78	43.50	-13.72	QP
312.270	42.51	13.13	3.52	32.51	26.65	46.00	-19.35	QP
455.830	38.26	15.75	4.34	32.52	25.83	46.00	-20.17	QP
504.330	38.88	16.58	4.51	32.56	27.41	46.00	-18.59	QP
600.360	38.21	18.40	5.02	32.69	28.94	46.00	-17.06	QP

■ **Above 1GHz**

Test mode:	802.11b_STBC_Chain A+B		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	44.04	31.28	5.44	36.26	44.5	74.00	-29.5	Vertical
7236.00	39.39	35.94	7.02	34.27	48.08	74.00	-25.92	Vertical
9648.00	39.96	37.87	7.82	34.15	51.5	74.00	-22.5	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	49.52	31.28	5.44	36.26	49.98	74.00	-24.02	Horizontal
7236.00	40.77	35.94	7.02	34.27	49.46	74.00	-24.54	Horizontal
9648.00	38.94	37.87	7.82	34.15	50.48	74.00	-23.52	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	35.27	31.28	5.44	36.26	35.73	54.00	-18.27	Vertical
7236.00	27.93	35.94	7.02	34.27	36.62	54.00	-17.38	Vertical
9648.00	25.65	37.87	7.82	34.15	37.19	54.00	-16.81	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	35.89	31.28	5.44	36.26	36.35	54.00	-17.65	Horizontal
7236.00	26.45	35.94	7.02	34.27	35.14	54.00	-18.86	Horizontal
9648.00	25.59	37.87	7.82	34.15	37.13	54.00	-16.87	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Remark:

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_STBC_Chain A+B		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	45.56	31.4	5.41	36.24	46.13	74.00	-27.87	Vertical
7311.00	41.76	36.12	7.24	34.35	50.77	74.00	-23.23	Vertical
9748.00	40.78	38.05	7.96	34.19	52.6	74.00	-21.4	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	44.22	31.4	5.41	36.24	44.79	74.00	-29.21	Horizontal
7311.00	41.02	36.12	7.24	34.35	50.03	74.00	-23.97	Horizontal
9748.00	40.57	38.05	7.96	34.19	52.39	74.00	-21.61	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	35.73	31.4	5.41	36.24	36.3	54.00	-17.7	Vertical
7311.00	27.6	36.12	7.24	34.35	36.61	54.00	-17.39	Vertical
9748.00	26.68	38.05	7.96	34.19	38.5	54.00	-15.5	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	30.33	31.4	5.41	36.24	30.9	54.00	-23.1	Horizontal
7311.00	26.1	36.12	7.24	34.35	35.11	54.00	-18.89	Horizontal
9748.00	26.68	38.05	7.96	34.19	38.5	54.00	-15.5	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

Remark:

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_STBC_Chain A+B	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	45.01	31.52	5.38	36.23	45.68	74.00	-28.32	Vertical
7386.00	38.65	36.29	7.46	34.42	47.98	74.00	-26.02	Vertical
9848.00	39.91	38.23	8.04	34.23	51.95	74.00	-22.05	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	44.34	31.52	5.38	36.23	45.01	74.00	-28.99	Horizontal
7386.00	38.6	36.29	7.46	34.42	47.93	74.00	-26.07	Horizontal
9848.00	40.64	38.23	8.04	34.23	52.68	74.00	-21.32	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	36.1	31.52	5.38	36.23	36.77	54.00	-17.23	Vertical
7386.00	25.81	36.29	7.46	34.42	35.14	54.00	-18.86	Vertical
9848.00	26.69	38.23	8.04	34.23	38.73	54.00	-15.27	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	32.24	31.52	5.38	36.23	32.91	54.00	-21.09	Horizontal
7386.00	24.81	36.29	7.46	34.42	34.14	54.00	-19.86	Horizontal
9848.00	26.73	38.23	8.04	34.23	38.77	54.00	-15.23	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

Remark:

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_MIMO_Chain A+B		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	42.03	31.28	5.44	36.26	42.49	74.00	-31.51	Vertical
7236.00	38.9	35.94	7.02	34.27	47.59	74.00	-26.41	Vertical
9648.00	38.68	37.87	7.82	34.15	50.22	74.00	-23.78	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	41.25	31.28	5.44	36.26	41.71	74.00	-32.29	Horizontal
7236.00	38.86	35.94	7.02	34.27	47.55	74.00	-26.45	Horizontal
9648.00	38.86	37.87	7.82	34.15	50.4	74.00	-23.6	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	27.58	31.28	5.44	36.26	28.04	54.00	-25.96	Vertical
7236.00	26.13	35.94	7.02	34.27	34.82	54.00	-19.18	Vertical
9648.00	25.61	37.87	7.82	34.15	37.15	54.00	-16.85	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertica
4824.00	26.15	31.28	5.44	36.26	26.61	54.00	-27.39	Horizontal
7236.00	25.85	35.94	7.02	34.27	34.54	54.00	-19.46	Horizontal
9648.00	25.59	37.87	7.82	34.15	37.13	54.00	-16.87	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Remark:

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_MIMO_Chain A+B		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	48.49	31.4	5.41	36.24	49.06	74.00	-24.94	Vertical
7311.00	40.39	36.12	7.24	34.35	49.4	74.00	-24.6	Vertical
9748.00	39.55	38.05	7.96	34.19	51.37	74.00	-22.63	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	46.04	31.4	5.41	36.24	46.61	74.00	-27.39	Horizontal
7311.00	38.72	36.12	7.24	34.35	47.73	74.00	-26.27	Horizontal
9748.00	39.29	38.05	7.96	34.19	51.11	74.00	-22.89	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	35.59	31.4	5.41	36.24	36.16	54.00	-17.84	Vertical
7311.00	27.25	36.12	7.24	34.35	36.26	54.00	-17.74	Vertical
9748.00	25.97	38.05	7.96	34.19	37.79	54.00	-16.21	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	30.88	31.4	5.41	36.24	31.45	54.00	-22.55	Horizontal
7311.00	26.01	36.12	7.24	34.35	35.02	54.00	-18.98	Horizontal
9748.00	26.01	38.05	7.96	34.19	37.83	54.00	-16.17	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

Remark:

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_MIMO_Chain A+B	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	46.09	31.52	5.38	36.23	46.76	74.00	-27.24	Vertical
7386.00	39.64	36.29	7.46	34.42	48.97	74.00	-25.03	Vertical
9848.00	39.55	38.23	8.04	34.23	51.59	74.00	-22.41	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	45.05	31.52	5.38	36.23	45.72	74.00	-28.28	Horizontal
7386.00	38.78	36.29	7.46	34.42	48.11	74.00	-25.89	Horizontal
9848.00	38.61	38.23	8.04	34.23	50.65	74.00	-23.35	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	34.37	31.52	5.38	36.23	35.04	54.00	-18.96	Vertical
7386.00	26.21	36.29	7.46	34.42	35.54	54.00	-18.46	Vertical
9848.00	26.01	38.23	8.04	34.23	38.05	54.00	-15.95	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	36.33	31.52	5.38	36.23	37	54.00	-17.00	Horizontal
7386.00	25.14	36.29	7.46	34.42	34.47	54.00	-19.53	Horizontal
9848.00	26.01	38.23	8.04	34.23	38.05	54.00	-15.95	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

Remark:

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)_MIMO_Chain A+B	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	47.86	31.28	5.44	36.26	48.32	74.00	-25.68	Vertical
7236.00	40.77	35.94	7.02	34.27	49.46	74.00	-24.54	Vertical
9648.00	40.09	37.87	7.82	34.15	51.63	74.00	-22.37	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	41.83	31.28	5.44	36.26	42.29	74.00	-31.71	Horizontal
7236.00	38.82	35.94	7.02	34.27	47.51	74.00	-26.49	Horizontal
9648.00	39.96	37.87	7.82	34.15	51.5	74.00	-22.50	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	35.26	31.28	5.44	36.26	35.72	54.00	-18.28	Vertical
7236.00	27.22	35.94	7.02	34.27	35.91	54.00	-18.09	Vertical
9648.00	26.91	37.87	7.82	34.15	38.45	54.00	-15.55	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	29.85	31.28	5.44	36.26	30.31	54.00	-23.69	Horizontal
7236.00	26.08	35.94	7.02	34.27	34.77	54.00	-19.23	Horizontal
9648.00	26.89	37.87	7.82	34.15	38.43	54.00	-15.57	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Remark:

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)_MIMO_Chain A+B	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	47.36	31.4	5.41	36.24	47.93	74.00	-26.07	Vertical
7311.00	39.12	36.12	7.24	34.35	48.13	74.00	-25.87	Vertical
9748.00	39.99	38.05	7.96	34.19	51.81	74.00	-22.19	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	43.21	31.4	5.41	36.24	43.78	74.00	-30.22	Horizontal
7311.00	39.17	36.12	7.24	34.35	48.18	74.00	-25.82	Horizontal
9748.00	39.41	38.05	7.96	34.19	51.23	74.00	-22.77	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	35.91	31.4	5.41	36.24	36.48	54.00	-17.52	Vertical
7311.00	26.71	36.12	7.24	34.35	35.72	54.00	-18.28	Vertical
9748.00	27.05	38.05	7.96	34.19	38.87	54.00	-15.13	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	30.6	31.4	5.41	36.24	31.17	54.00	-22.83	Horizontal
7311.00	25.82	36.12	7.24	34.35	34.83	54.00	-19.17	Horizontal
9748.00	26.06	38.05	7.96	34.19	37.88	54.00	-16.12	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

Remark:

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)_MIMO_Chain A+B	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	45.77	31.52	5.38	36.23	46.44	74.00	-27.56	Vertical
7386.00	38.75	36.29	7.46	34.42	48.08	74.00	-25.92	Vertical
9848.00	39.47	38.23	8.04	34.23	51.51	74.00	-22.49	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	45.16	31.52	5.38	36.23	45.83	74.00	-28.17	Horizontal
7386.00	39.06	36.29	7.46	34.42	48.39	74.00	-25.61	Horizontal
9848.00	38.78	38.23	8.04	34.23	50.82	74.00	-23.18	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	34.36	31.52	5.38	36.23	35.03	54.00	-18.97	Vertical
7386.00	25.78	36.29	7.46	34.42	35.11	54.00	-18.89	Vertical
9848.00	25.99	38.23	8.04	34.23	38.03	54.00	-15.97	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	31.55	31.52	5.38	36.23	32.22	54.00	-21.78	Horizontal
7386.00	25.08	36.29	7.46	34.42	34.41	54.00	-19.59	Horizontal
9848.00	26.01	38.23	8.04	34.23	38.05	54.00	-15.95	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

Remark:

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)_MIMO_Chain A+B	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	46.62	31.33	5.43	36.25	47.13	74.00	-26.87	Vertical
7266.00	40.08	36.01	7.11	34.3	48.9	74.00	-25.1	Vertical
9688.00	39.19	37.94	7.88	34.16	50.85	74.00	-23.15	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4844.00	41.96	31.33	5.43	36.25	42.47	74.00	-31.53	Horizontal
7266.00	38.52	36.01	7.11	34.3	47.34	74.00	-26.66	Horizontal
9688.00	39.68	37.94	7.88	34.16	51.34	74.00	-22.66	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	35.57	31.33	5.43	36.25	36.08	54.00	-17.92	Vertical
7266.00	26.51	36.01	7.11	34.3	35.33	54.00	-18.67	Vertical
9688.00	26.65	37.94	7.88	34.16	38.31	54.00	-15.69	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4844.00	29.73	31.33	5.43	36.25	30.24	54.00	-23.76	Horizontal
7266.00	25.87	36.01	7.11	34.3	34.69	54.00	-19.31	Horizontal
9688.00	26.65	37.94	7.88	34.16	38.31	54.00	-15.69	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Remark:

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)_MIMO_Chain A+B	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	47.07	31.4	5.41	36.24	47.64	74.00	-26.36	Vertical
7311.00	39.28	36.12	7.24	34.35	48.29	74.00	-25.71	Vertical
9748.00	38.92	38.05	7.96	34.19	50.74	74.00	-23.26	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	42.53	31.4	5.41	36.24	43.1	74.00	-30.9	Horizontal
7311.00	39.12	36.12	7.24	34.35	48.13	74.00	-25.87	Horizontal
9748.00	38.72	38.05	7.96	34.19	50.54	74.00	-23.46	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	34.13	31.4	5.41	36.24	34.7	54.00	-19.3	Vertical
7311.00	25.97	36.12	7.24	34.35	34.98	54.00	-19.02	Vertical
9748.00	26.04	38.05	7.96	34.19	37.86	54.00	-16.14	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	30.41	31.4	5.41	36.24	30.98	54.00	-23.02	Horizontal
7311.00	25.62	36.12	7.24	34.35	34.63	54.00	-19.37	Horizontal
9748.00	26.08	38.05	7.96	34.19	37.9	54.00	-16.1	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

Remark:

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)_MIMO_Chain A+B	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	44.33	31.47	5.39	36.23	44.96	74.00	-29.04	Vertical
7356.00	38.63	36.22	7.37	34.39	47.83	74.00	-26.17	Vertical
9808.00	39.18	38.15	8.03	34.22	51.14	74.00	-22.86	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4904.00	43.15	31.47	5.39	36.23	43.78	74.00	-30.22	Horizontal
7356.00	38.75	36.22	7.37	34.39	47.95	74.00	-26.05	Horizontal
9808.00	39.5	38.15	8.03	34.22	51.46	74.00	-22.54	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	33.55	31.47	5.39	36.23	34.18	54.00	-19.82	Vertical
7356.00	25.61	36.22	7.37	34.39	34.81	54.00	-19.19	Vertical
9808.00	25.95	38.15	8.03	34.22	37.91	54.00	-16.09	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4904.00	29.78	31.47	5.39	36.23	30.41	54.00	-23.59	Horizontal
7356.00	25.19	36.22	7.37	34.39	34.39	54.00	-19.61	Horizontal
9808.00	25.95	38.15	8.03	34.22	37.91	54.00	-16.09	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

Remark:

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

Radiated Emission
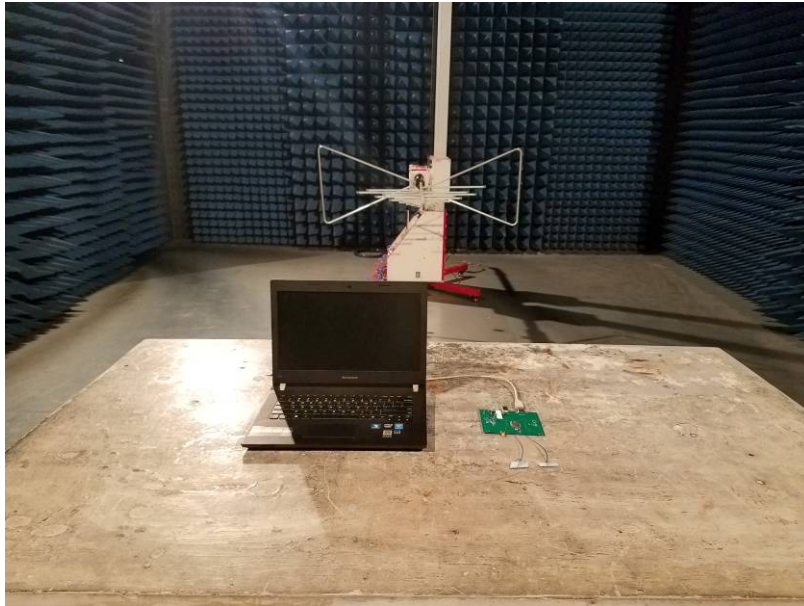
Conducted Emission

9   EUT Constructional Details

Reference to the test report No. GTS201806000179F01

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