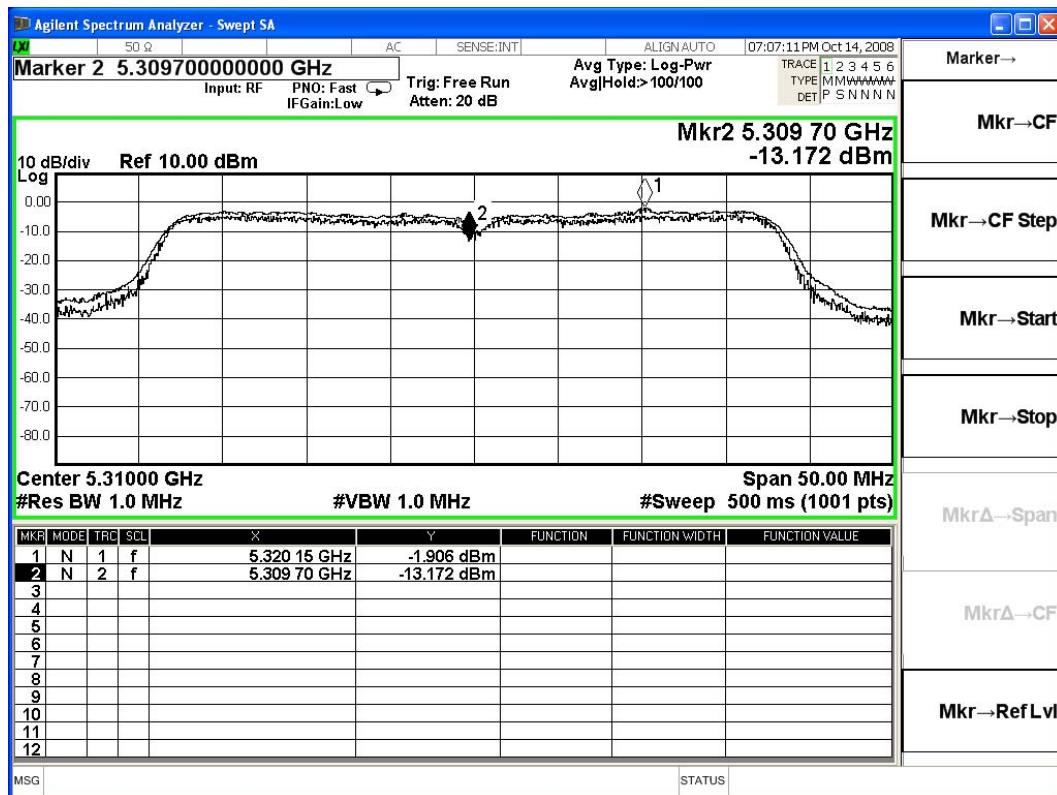
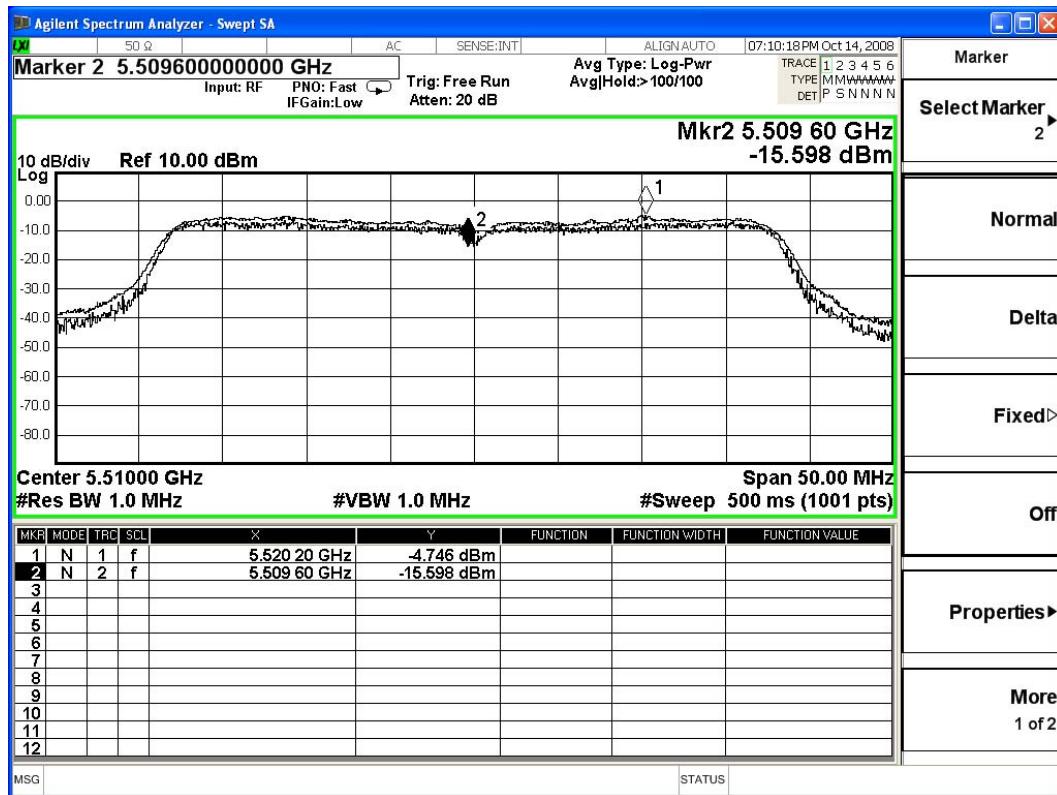
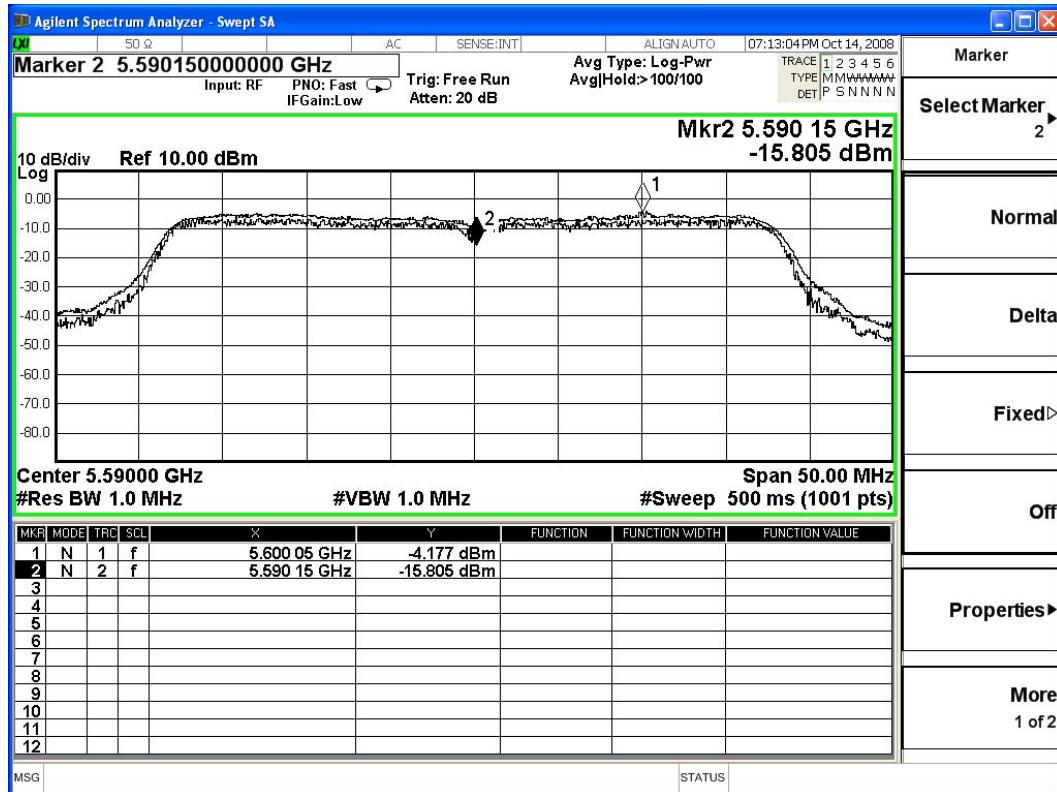
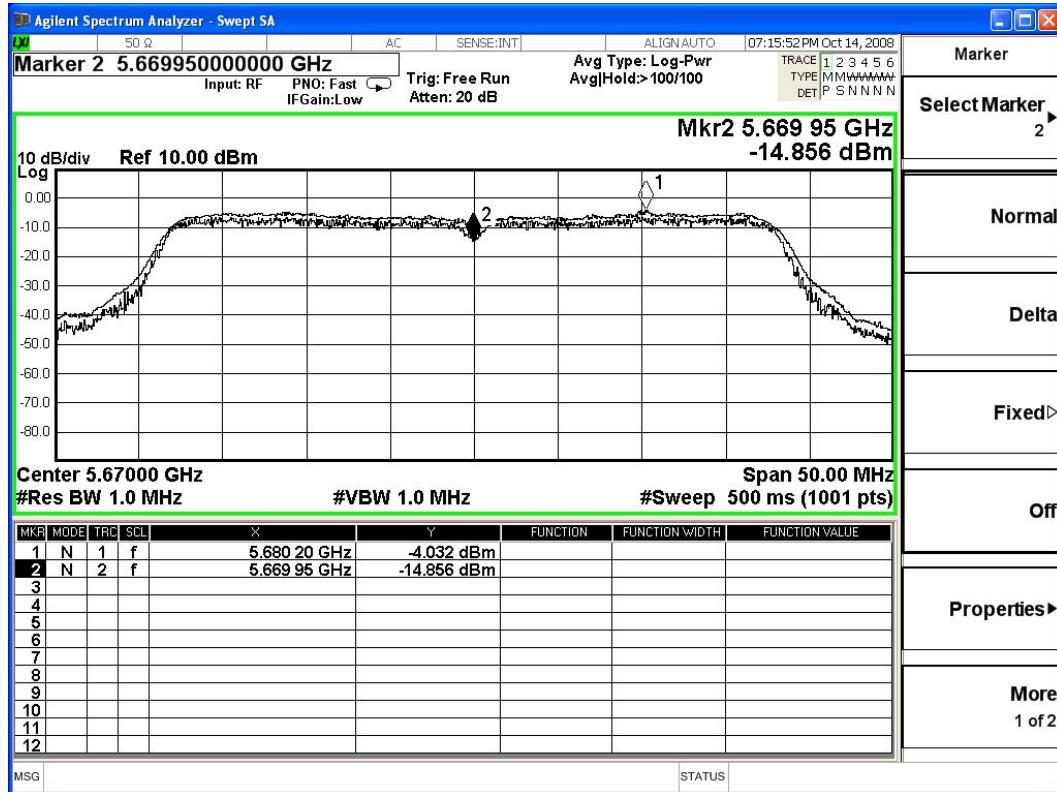


Ant B-Channel 02:

Ant B-Channel 03:


Ant B-Channel 05:

Ant B-Channel 07:


6. Undesirable Emission

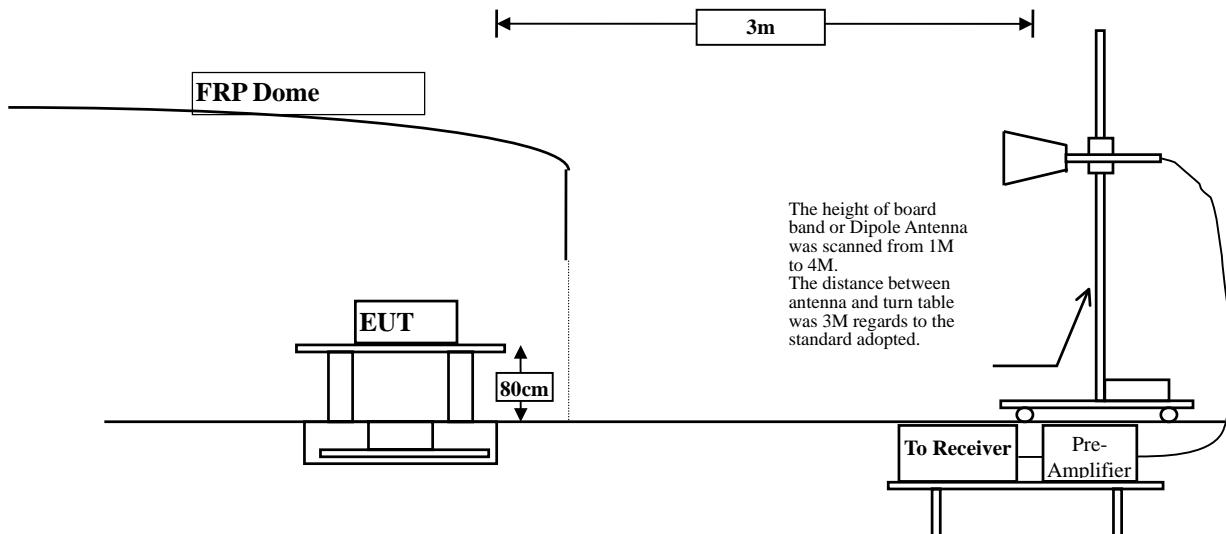
6.1. Test Equipment

The following test equipment are used during the radiated emission test:

Test Site	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
Site # 3	X Test Receiver	R & S	ESI 26 / 838786 / 004	May, 2008
	X Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2008
	X Pre-Amplifier	QTK	QTK-AMP-03 / 0003	May, 2008
	X Bilog Antenna	SCHAFFNER	CBL6112B / 2697	May, 2008
	X Horn Antenna	ETS	3115 / 0005-6160	July, 2008
	X Pre-Amplifier	QTK	QTK-AMP-01 / 0001	July, 2008

Note: 1. All equipments are calibrated every one year.
2. The test instruments marked by “X” are used to measure the final test results.

6.2. Test Setup



6.3. Limits

Inside of the restricted band(section 15.205): Apply to 15.209 limit.

Outside of the restricted band (section 15.407):

5 .15GHz - 5.35 GHz < -27 dBm/MHz EIRP,

5.47GHz - 5.725 GHz < -27 dBm/MHz EIRP,

5.725GHz - 5.825 GHz < -27 dBm/MHz EIRP,

<-17 dBm/MHz EIRP (all emission within the frequency range from the band edge to 10 MHz above or below the band edge).

6.4. Test Procedure

The EUT was setup according to ANSI C63.4, 2003 and tested according to FCC Public Notice DA 02-2138 test procedure for compliance to FCC 47CFR 15. 407 requirements.

The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4:2003 on radiated measurement.

6.5. Uncertainty

± 3.8 dB below 1GHz

± 3.9 dB above 1GHz

6.6. Test Result of Undesirable Emission

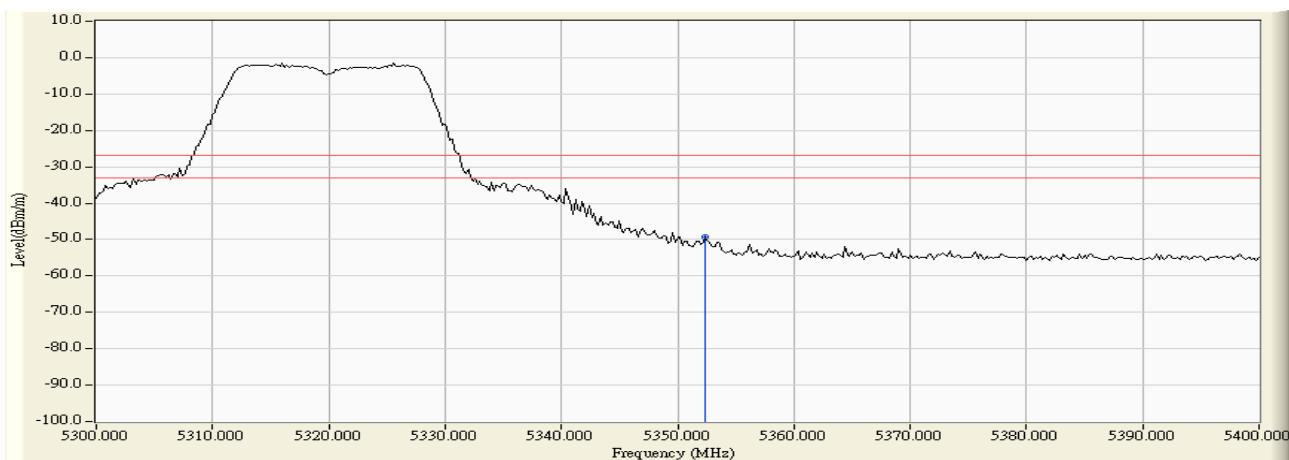
Product : ROS Home Center
Test Item : Undesirable Emission
Test Site : No.3 OATS
Test Mode : Mode 1: Transmitter 802.11a (5320MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
4 (Peak)	5352.400	14.471	-63.730	-49.259	-22.259	-27.000	Pass

Figure Channel 4:

Horizontal (Peak)



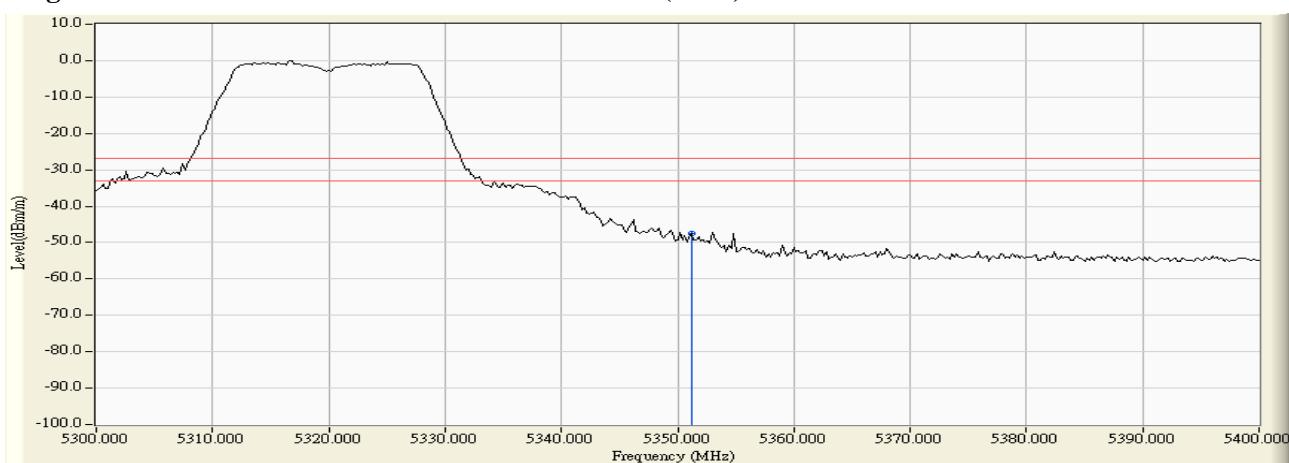
Note: Spectrum setting: Detector=Peak detector and maximum hold,

RBW= 1MHz, VBW=3 MHz.

Product : ROS Home Center
Test Item : Undesirable Emission
Test Site : No.3 OATS
Test Mode : Mode 1: Transmitter 802.11a (5320MHz)

RF Radiated Measurement (VERTICAL):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
4 (Peak)	5351.200	14.777	-62.238	-47.461	-20.461	-27.000	Pass

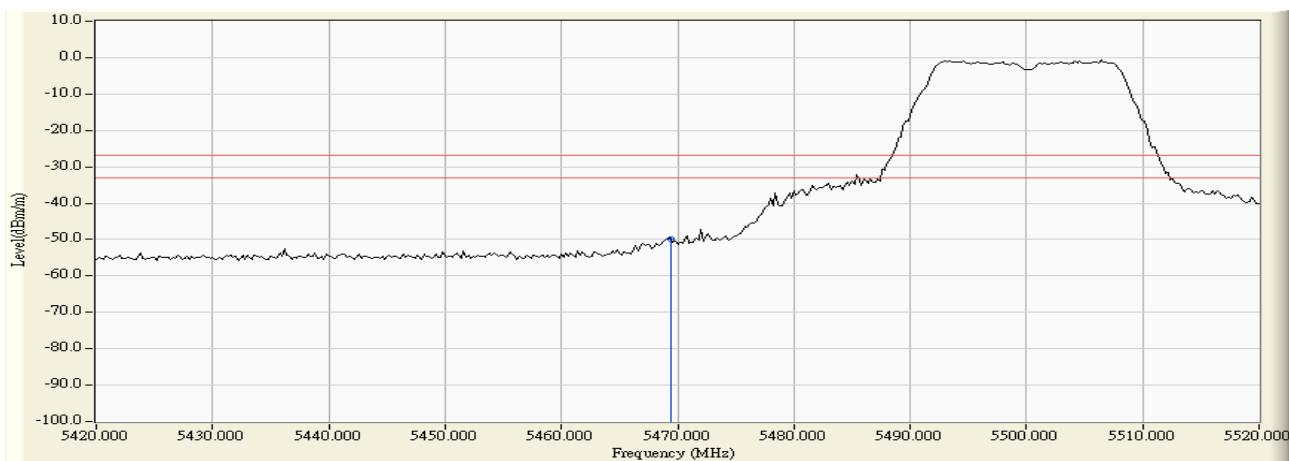
Figure Channel 4:**Vertical (Peak)**

Note: Spectrum setting: Detector=Peak detector and maximum hold,
RBW= 1MHz, VBW=3 MHz.

Product : ROS Home Center
Test Item : Undesirable Emission
Test Site : No.3 OATS
Test Mode : Mode 1: Transmitter 802.11a (5500MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
5 (Peak)	5469.400	14.775	-64.518	-49.743	-22.743	-27.000	Pass

Figure Channel 5:**Horizontal (Peak)**

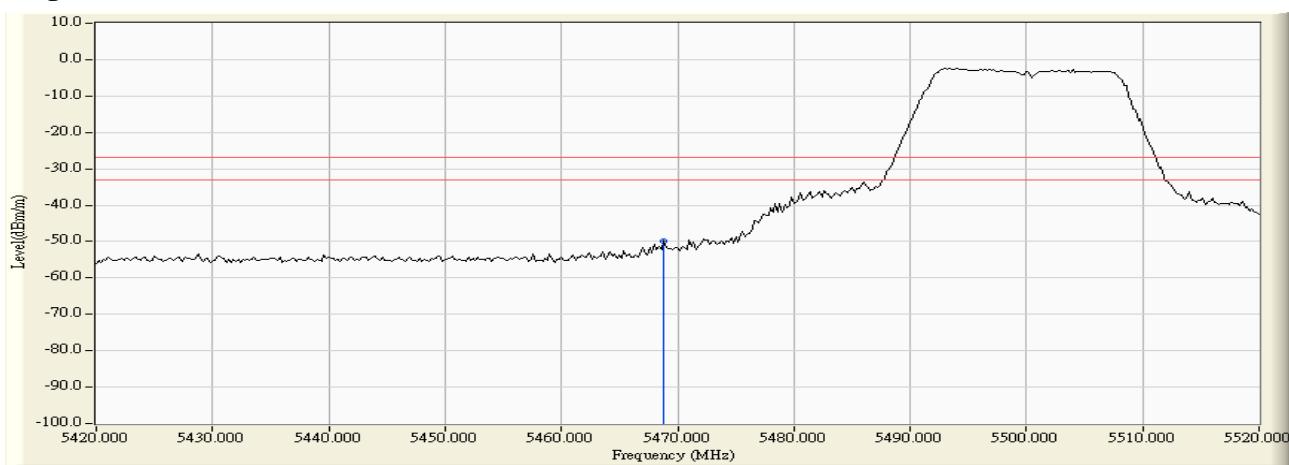
Note: Spectrum setting: Detector=Peak detector and maximum hold,

RBW= 1MHz, VBW=3 MHz.

Product : ROS Home Center
Test Item : Undesirable Emission
Test Site : No.3 OATS
Test Mode : Mode 1: Transmitter 802.11a (5500MHz)

RF Radiated Measurement (VERTICAL):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
5 (Peak)	5468.800	15.075	-65.065	-49.990	-22.990	-27.000	Pass

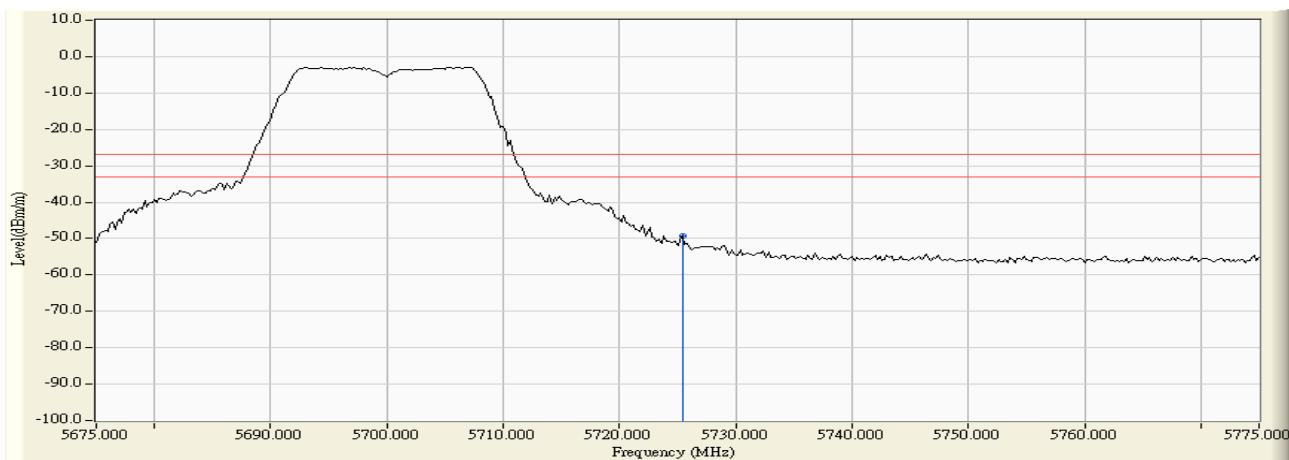
Figure Channel 5:**Vertical (Peak)**

Note: Spectrum setting: Detector=Peak detector and maximum hold,
RBW= 1MHz, VBW=3 MHz.

Product : ROS Home Center
Test Item : Undesirable Emission
Test Site : No.3 OATS
Test Mode : Mode 1: Transmitter 802.11a (5700MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
15 (Peak)	5725.400	14.633	-64.022	-49.389	-22.389	-27.000	Pass

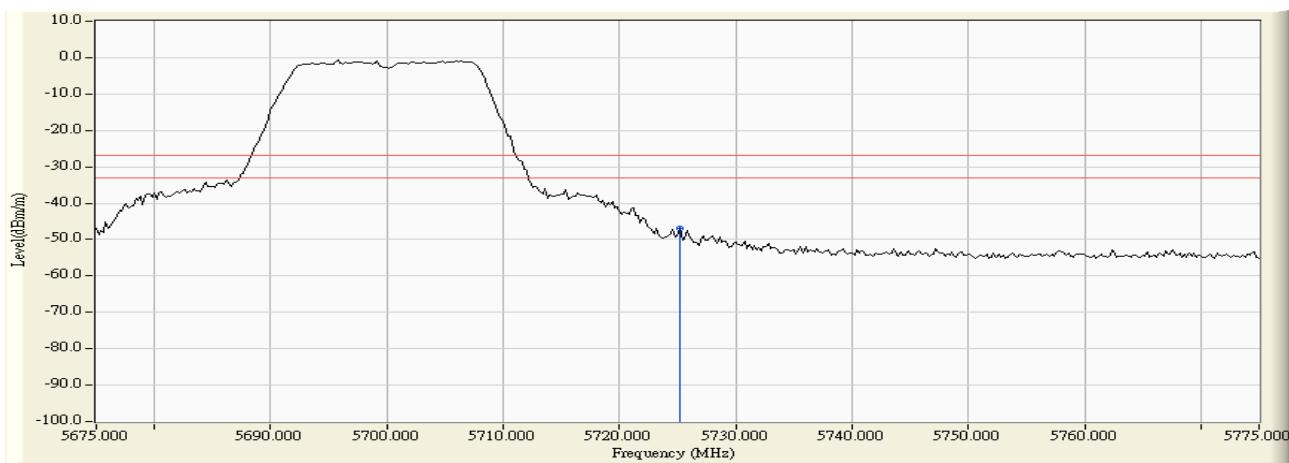
Figure Channel 15:**Horizontal (Peak)**

Note: Spectrum setting: Detector=Peak detector and maximum hold,
RBW= 1MHz, VBW=3 MHz.

Product : ROS Home Center
Test Item : Undesirable Emission
Test Site : No.3 OATS
Test Mode : Mode 1: Transmitter 802.11a (5700MHz)

RF Radiated Measurement (VERTICAL):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
15 (Peak)	5725.200	15.223	-62.119	-46.896	-19.896	-27.000	Pass

Figure Channel 15:**Vertical (Peak)**

Note: Spectrum setting: Detector=Peak detector and maximum hold,
RBW= 1MHz, VBW=3 MHz.

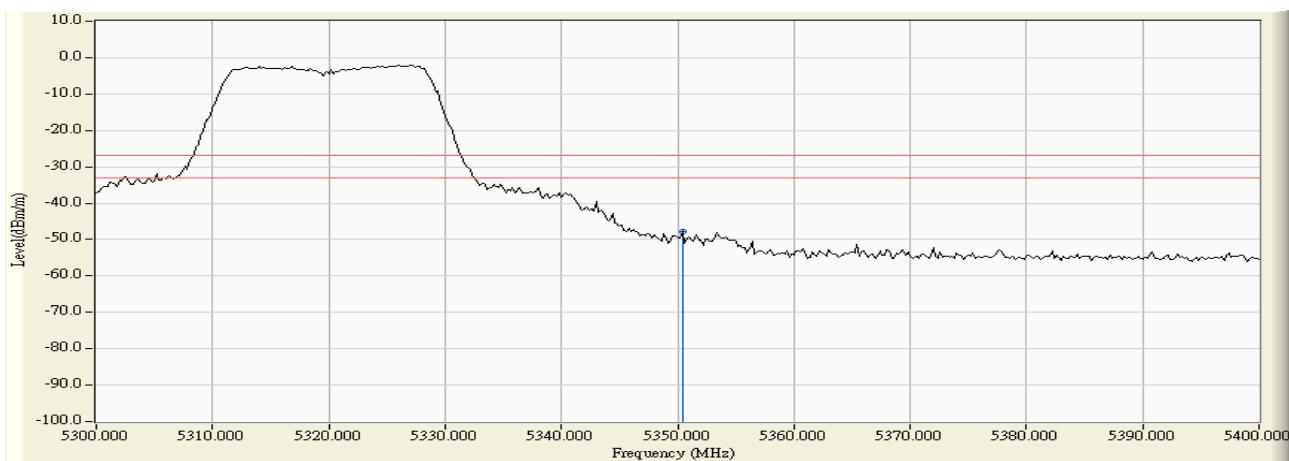
Product : ROS Home Center
 Test Item : Undesirable Emission
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter 802.11n-20BW_13.5Mbps(5G Band) (5320MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
4 (Peak)	5350.400	14.465	-62.208	-47.743	-20.743	-27.000	Pass

Figure Channel 4:

Horizontal (Peak)



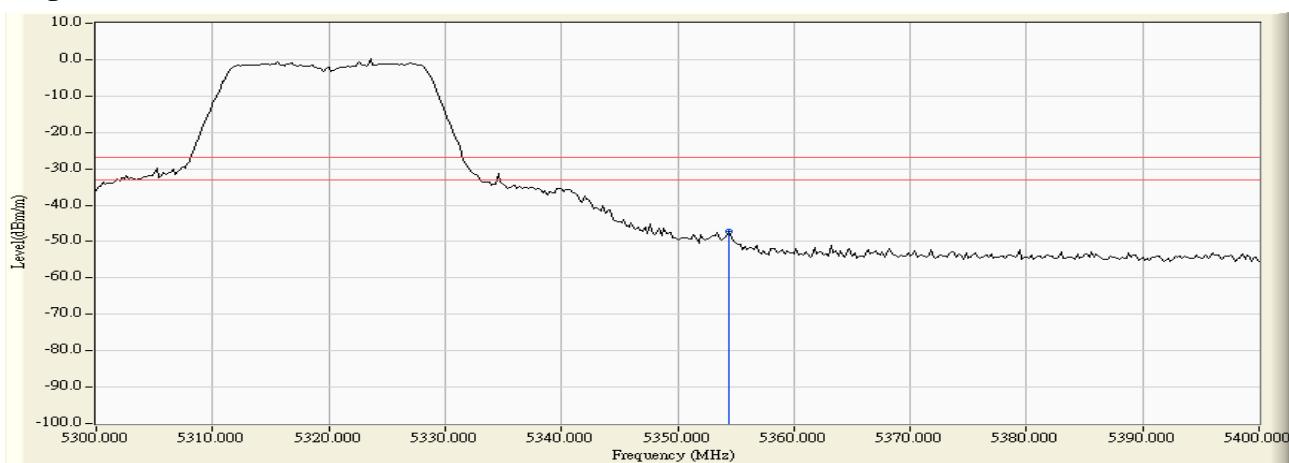
Note: Spectrum setting: Detector=Peak detector and maximum hold,

RBW= 1MHz, VBW=3 MHz.

Product : ROS Home Center
Test Item : Undesirable Emission
Test Site : No.3 OATS
Test Mode : Mode 2: Transmitter 802.11n-20BW_13.5Mbps(5G Band) (5320MHz)

RF Radiated Measurement (VERTICAL):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
4 (Peak)	5354.400	14.787	-62.028	-47.241	-20.241	-27.000	Pass

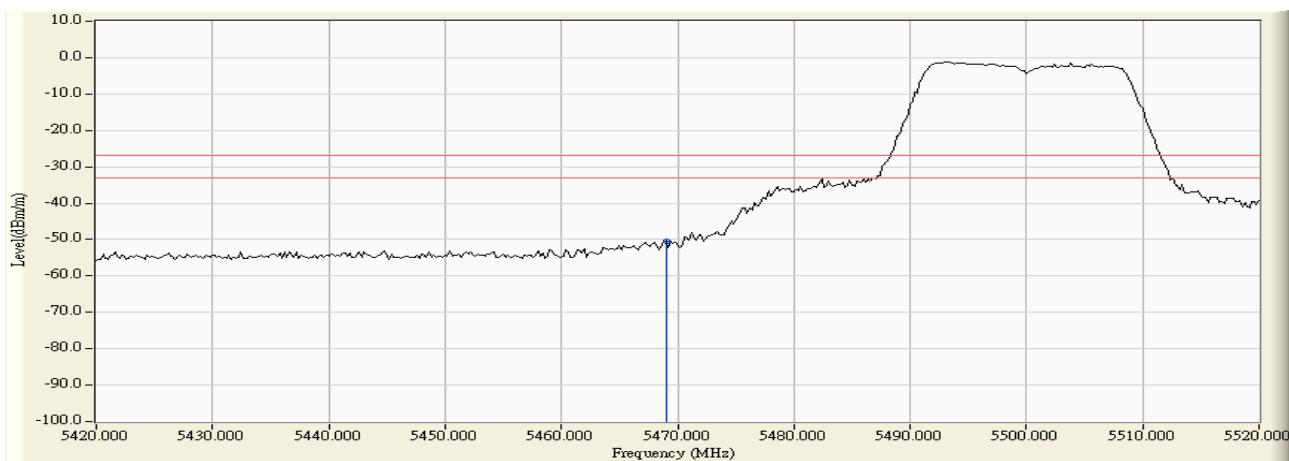
Figure Channel 4:**Vertical (Peak)**

Note: Spectrum setting: Detector=Peak detector and maximum hold,
RBW= 1MHz, VBW=3 MHz.

Product : ROS Home Center
Test Item : Undesirable Emission
Test Site : No.3 OATS
Test Mode : Mode 2: Transmitter 802.11n-20BW_13.5Mbps(5G Band) (5500MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
5 (Peak)	5469.000	14.774	-65.117	-50.343	-23.343	-27.000	Pass

Figure Channel 5:**Horizontal (Peak)**

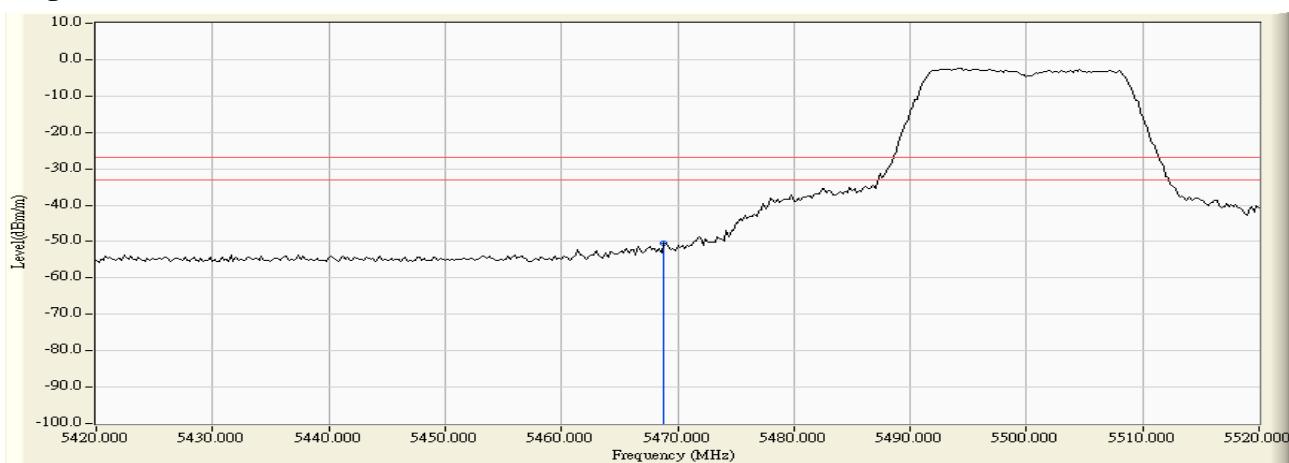
Note: Spectrum setting: Detector=Peak detector and maximum hold,

RBW= 1MHz, VBW=3 MHz.

Product : ROS Home Center
Test Item : Undesirable Emission
Test Site : No.3 OATS
Test Mode : Mode 2: Transmitter 802.11n-20BW_13.5Mbps(5G Band) (5500MHz)

RF Radiated Measurement (VERTICAL):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
5 (Peak)	5468.800	15.075	-65.599	-50.524	-23.524	-27.000	Pass

Figure Channel 5:**Vertical (Peak)**

Note: Spectrum setting: Detector=Peak detector and maximum hold,
RBW= 1MHz, VBW=3 MHz.

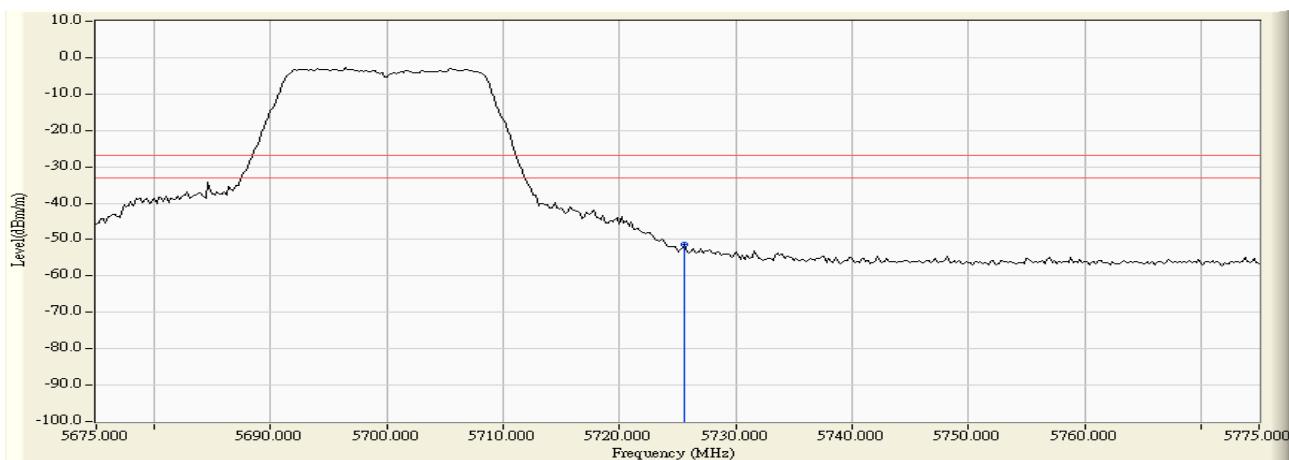
Product : ROS Home Center
 Test Item : Undesirable Emission
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter 802.11n-20BW_13.5Mbps(5G Band) (5700MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
15 (Peak)	5725.600	14.633	-65.971	-51.338	-24.338	-27.000	Pass

Figure Channel 15:

Horizontal (Peak)

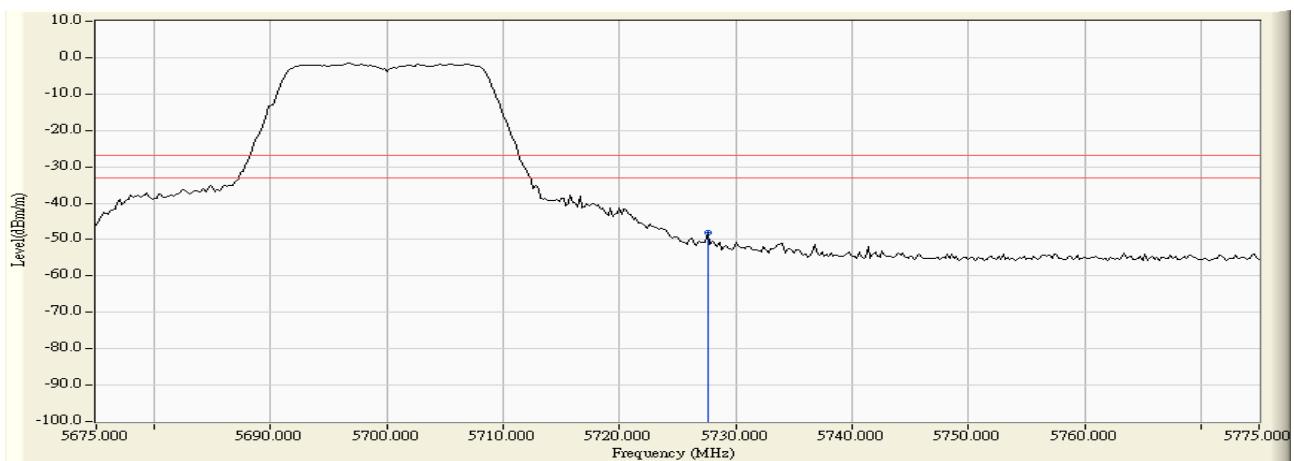


Note: Spectrum setting: Detector=Peak detector and maximum hold,
 RBW= 1MHz, VBW=3 MHz.

Product : ROS Home Center
Test Item : Undesirable Emission
Test Site : No.3 OATS
Test Mode : Mode 2: Transmitter 802.11n-20BW_13.5Mbps(5G Band) (5700MHz)

RF Radiated Measurement (VERTICAL):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
15 (Peak)	5727.600	15.224	-63.308	-48.084	-21.084	-27.000	Pass

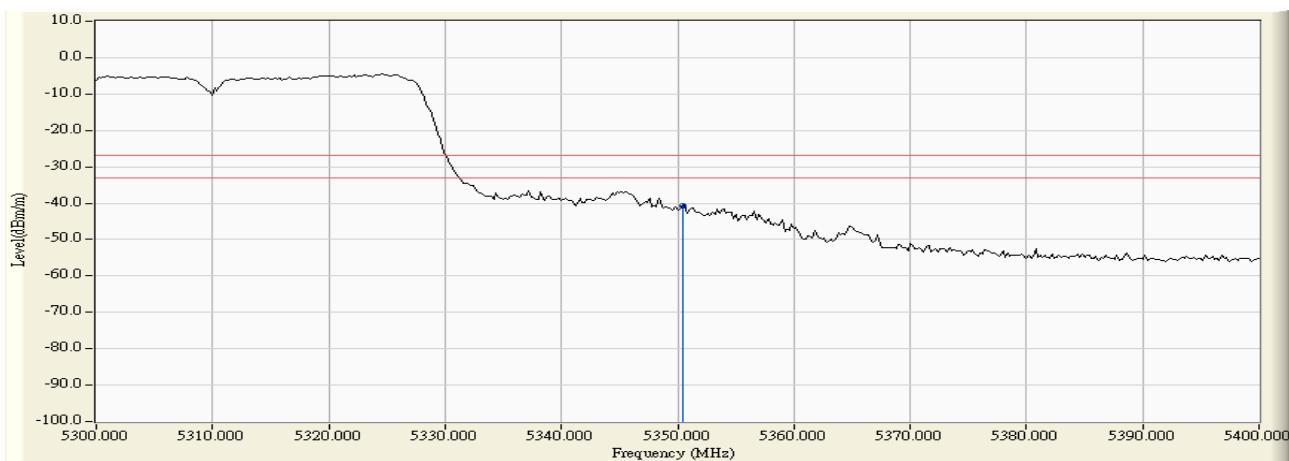
Figure Channel 15:**Vertical (Peak)**

Note: Spectrum setting: Detector=Peak detector and maximum hold,
RBW= 1MHz, VBW=3 MHz.

Product : ROS Home Center
Test Item : Undesirable Emission
Test Site : No.3 OATS
Test Mode : Mode 3: Transmitter 802.11n-40BW_27Mbps(5G Band) (5310MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
2 (Peak)	5350.400	14.465	-55.047	-40.582	-13.582	-27.000	Pass

Figure Channel 2:**Horizontal (Peak)**

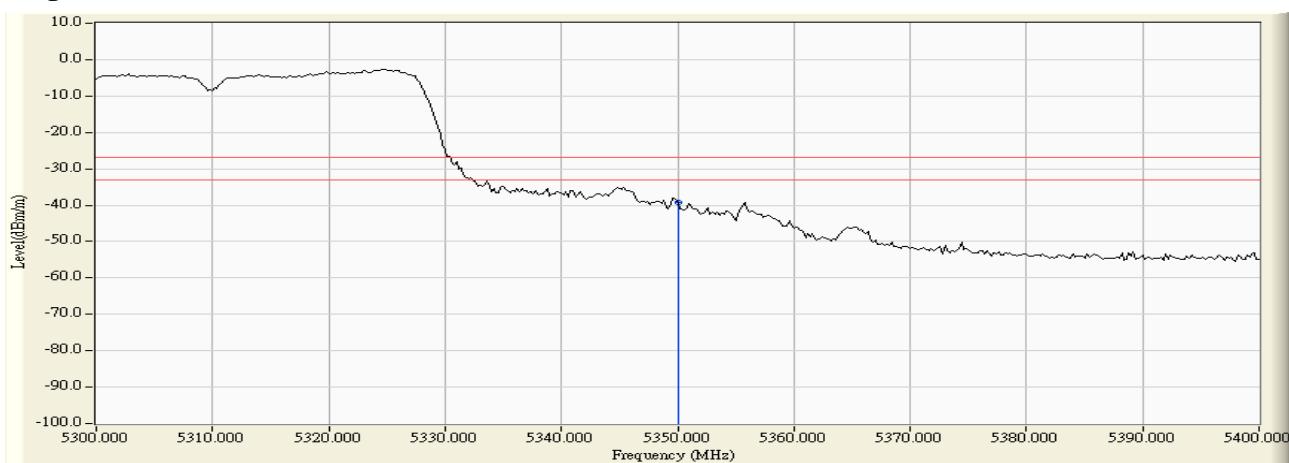
Note: Spectrum setting: Detector=Peak detector and maximum hold,

RBW= 1MHz, VBW=3 MHz.

Product : ROS Home Center
Test Item : Undesirable Emission
Test Site : No.3 OATS
Test Mode : Mode 3: Transmitter 802.11n-40BW_27Mbps(5G Band) (5310MHz)

RF Radiated Measurement (VERTICAL):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
2 (Peak)	5350.000	14.773	-53.908	-39.135	-12.135	-27.000	Pass

Figure Channel 2:**Vertical (Peak)**

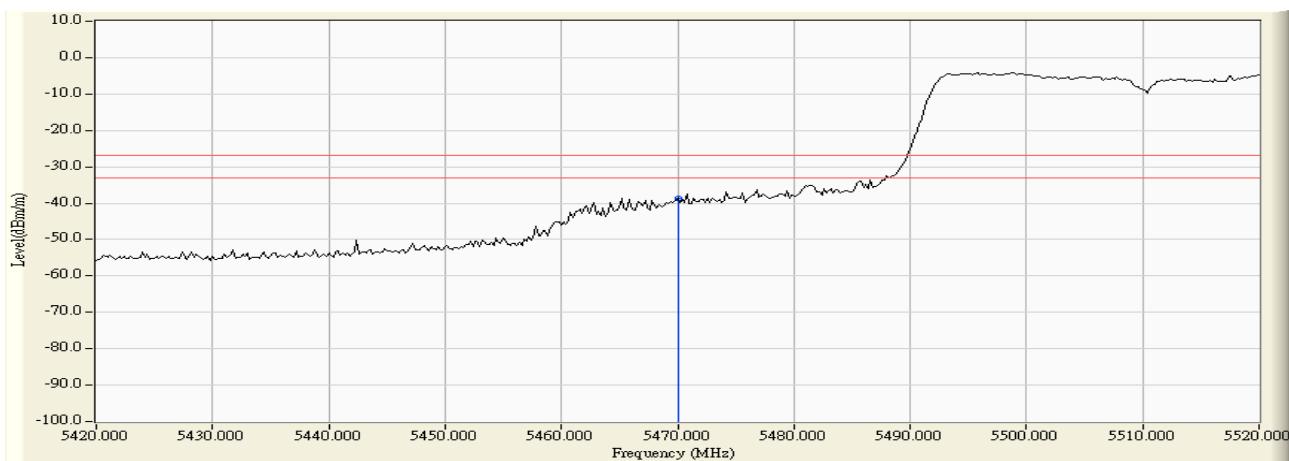
Note: Spectrum setting: Detector=Peak detector and maximum hold,

RBW= 1MHz, VBW=3 MHz.

Product : ROS Home Center
Test Item : Undesirable Emission
Test Site : No.3 OATS
Test Mode : Mode 3: Transmitter 802.11n-40BW_27Mbps(5G Band) (5510MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
3 (Peak)	5470.000	14.776	-53.574	-38.797	-11.797	-27.000	Pass

Figure Channel 3:**Horizontal (Peak)**

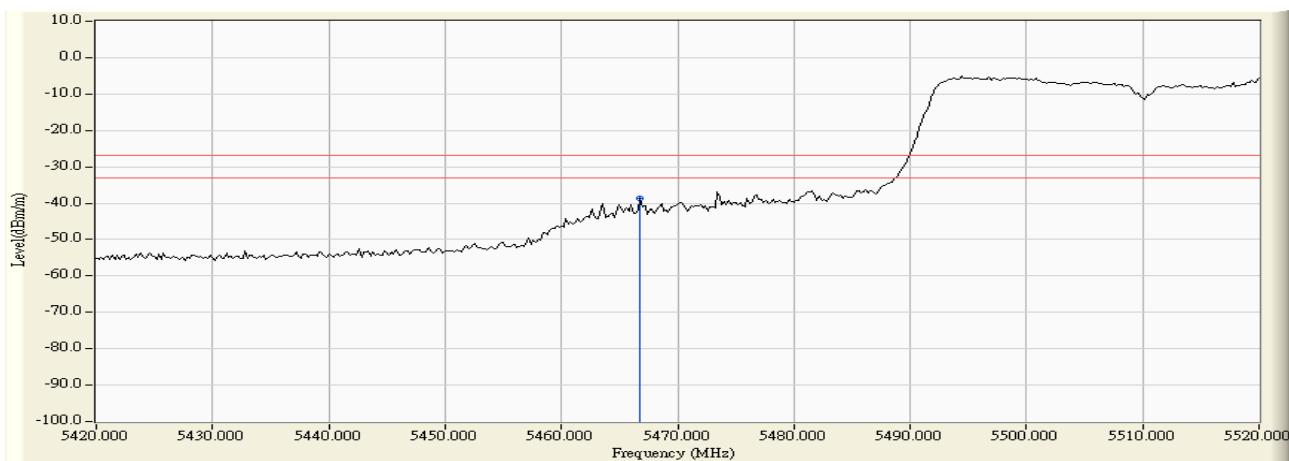
Note: Spectrum setting: Detector=Peak detector and maximum hold,

RBW= 1MHz, VBW=3 MHz.

Product : ROS Home Center
Test Item : Undesirable Emission
Test Site : No.3 OATS
Test Mode : Mode 3: Transmitter 802.11n-40BW_27Mbps(5G Band) (5510MHz)

RF Radiated Measurement (VERTICAL):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
3 (Peak)	5466.800	15.071	-53.650	-38.580	-11.580	-27.000	Pass

Figure Channel 3:**Vertical (Peak)**

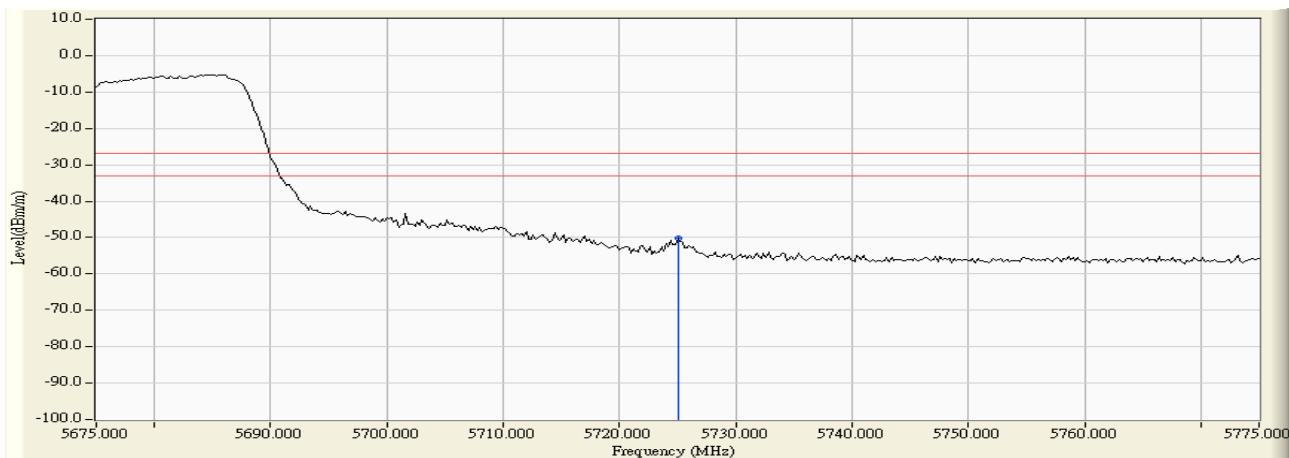
Note: Spectrum setting: Detector=Peak detector and maximum hold,

RBW= 1MHz, VBW=3 MHz.

Product : ROS Home Center
Test Item : Undesirable Emission
Test Site : No.3 OATS
Test Mode : Mode 3: Transmitter 802.11n-40BW_27Mbps(5G Band) (5670MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
7 (Peak)	5725.000	14.634	-64.721	-50.087	-23.087	-27.000	Pass

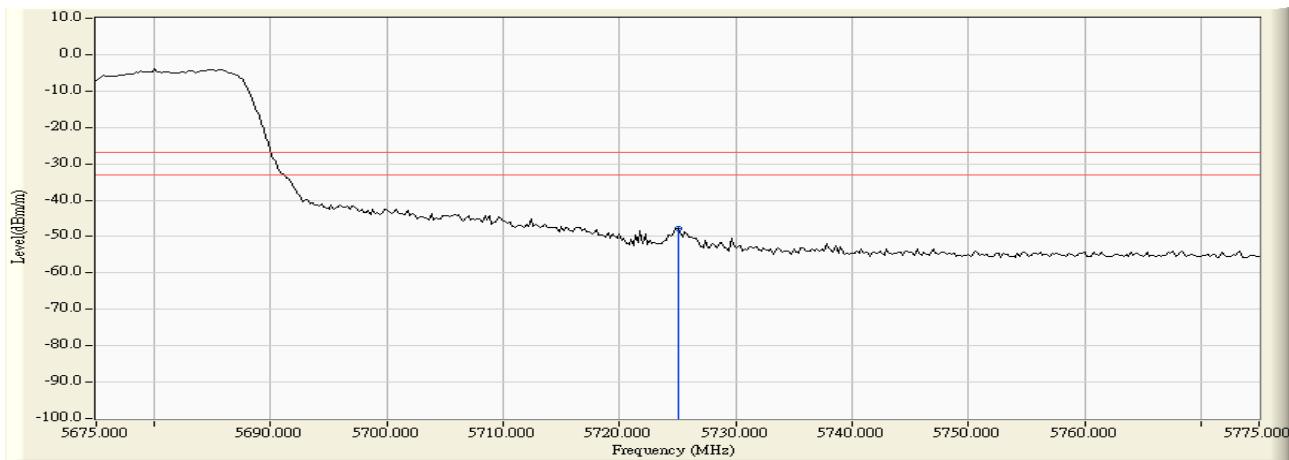
Figure Channel 7:**Horizontal (Peak)**

Note: Spectrum setting: Detector=Peak detector and maximum hold,
RBW= 1MHz, VBW=3 MHz.

Product : ROS Home Center
Test Item : Undesirable Emission
Test Site : No.3 OATS
Test Mode : Mode 3: Transmitter 802.11n-40BW_27Mbps(5G Band) (5670MHz)

RF Radiated Measurement (VERTICAL):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
7 (Peak)	5725.000	15.222	-63.114	-47.892	-20.892	-27.000	Pass

Figure Channel 7:**Vertical (Peak)**

Note: Spectrum setting: Detector=Peak detector and maximum hold,
RBW= 1MHz, VBW=3 MHz.

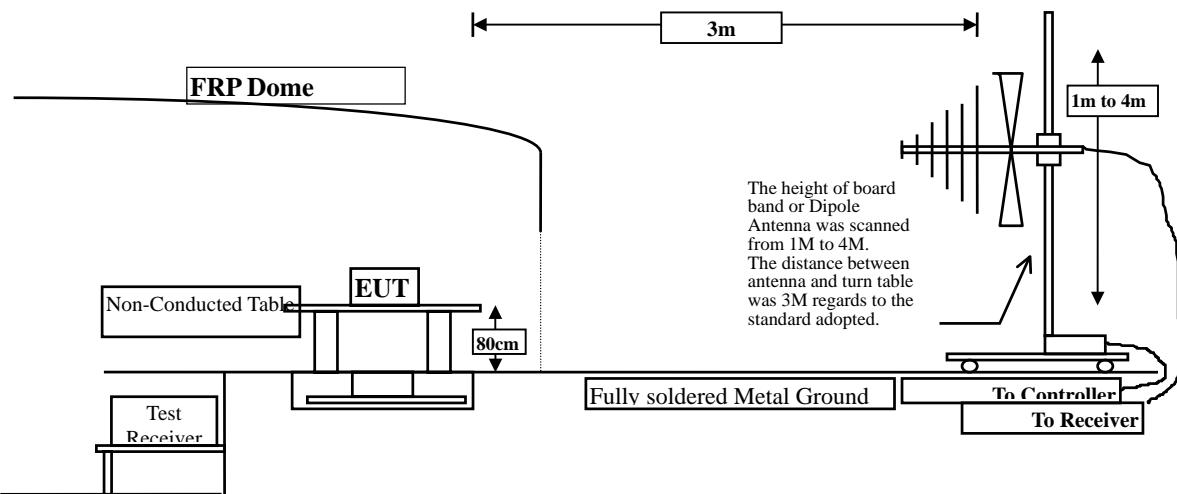
7. Radiated Emission

7.1. Test Equipment

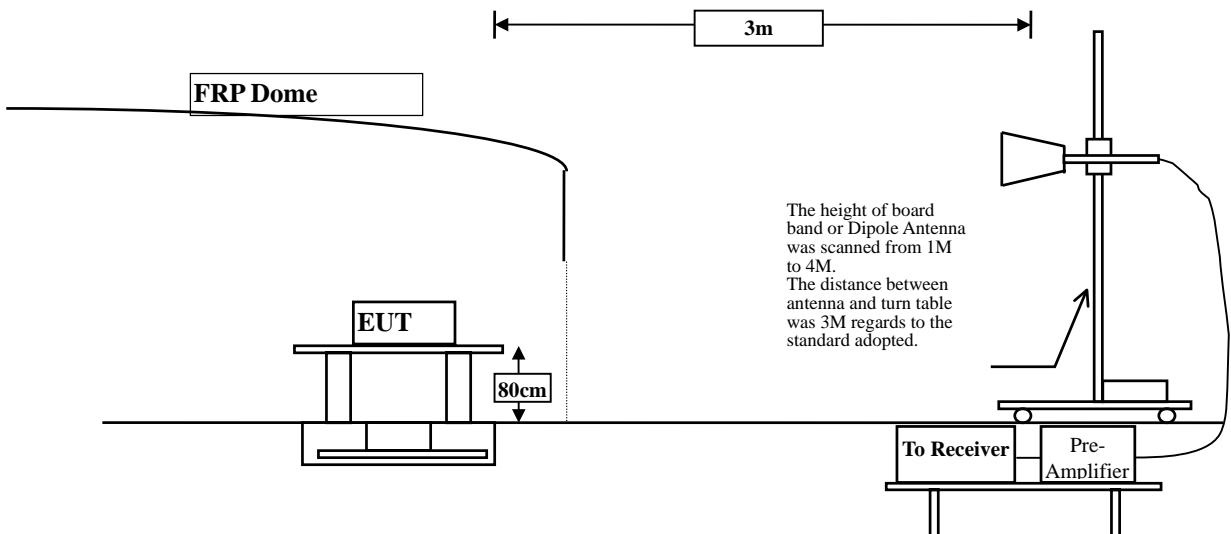
The following test equipments are used during the radiated emission test:

Test Site	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
Site # 3	X Test Receiver	R & S	ESI 26 / 838786 / 004	May, 2008
	X Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2008
	X Pre-Amplifier	QTK	QTK-AMP-03 / 0003	May, 2008
	X Bilog Antenna	SCHAFFNER	CBL6112B / 2697	May, 2008
	X Horn Antenna	ETS	3115 / 0005-6160	July, 2008
	X Pre-Amplifier	QTK	QTK-AMP-01 / 0001	July, 2008

Note: 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with "X" are used to measure the final test results.



7.2. Test Setup



7.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209(a) Limits		
Frequency MHz	uV/m @3m	dBuV/m@3m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Remarks: E field strength (dBuV/m) = 20 log E field strength (uV/m)

7.4. Test Procedure

The EUT was setup according to ANSI C63.4, 2003 and tested according to FCC Public Notice DA 02-2138 test procedure for compliance to FCC 47CFR 15. 407 requirements.

The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4:2003 on radiated measurement.

The resolution bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz. The frequency range from 30MHz to 10th harmonics is checked.

7.5. Uncertainty

± 3.8 dB below 1GHz

± 3.9 dB above 1GHz

7.6. Test Result of Radiated Emission

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter 802.11a (5260MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
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Horizontal

Peak Detector:

10520.000	13.459	36.570	50.029	-23.971	74.000
15780.000	14.474	42.270	56.744	-17.256	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000

Average

Detector:

15780.000	14.474	28.910	43.384	-10.616	54.000
20720.000	*	*	*	*	54.000
25900.000	*	*	*	*	54.000
31080.000	*	*	*	*	54.000
36260.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter 802.11a (5260MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Vertical					
Peak Detector:					
10520.000	13.459	36.420	49.879	-24.121	74.000
15780.000	14.474	42.550	57.024	-16.976	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average Detector:					
15780.000	14.474	28.930	43.404	-10.596	54.000
20720.000	*	*	*	*	54.000
25900.000	*	*	*	*	54.000
31080.000	*	*	*	*	54.000
36260.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter 802.11a (5300MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal

Peak Detector:

10600.000	13.700	37.190	50.890	-23.110	74.000
15900.000	14.291	41.050	55.340	-18.660	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
31320.000	*	*	*	*	74.000
36540.000	*	*	*	*	74.000

Average

Detector:

15900.000	14.291	28.160	42.450	-11.550	54.000
20880.000	*	*	*	*	54.000
26100.000	*	*	*	*	54.000
31320.000	*	*	*	*	54.000
36540.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter 802.11a (5300MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Vertical					
Peak Detector:					
10600.000	13.700	36.250	49.950	-24.050	74.000
15900.000	14.291	41.660	55.950	-18.050	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
31320.000	*	*	*	*	74.000
36540.000	*	*	*	*	74.000
Average Detector:					
15900.000	14.291	28.230	42.520	-11.480	54.000
20880.000	*	*	*	*	54.000
26100.000	*	*	*	*	54.000
31320.000	*	*	*	*	54.000
36540.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter 802.11a (5320MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
10640.000	13.844	37.960	51.804	-22.196	74.000
15960.000	14.249	41.810	56.059	-17.941	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440.000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average Detector:					
15960.000	14.249	28.270	42.519	-11.481	54.000
15960.000	*	*	*	*	54.000
20960.000	*	*	*	*	54.000
26200.000	*	*	*	*	54.000
31440.000	*	*	*	*	54.000
36680.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter 802.11a (5320MHz)

Frequency MHz	Correct Factor	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Vertical					
Peak Detector:					
10640.000	13.844	38.390	52.234	-21.766	74.000
15960.000	14.249	41.460	55.709	-18.291	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440.000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average Detector:					
15960.000	14.249	28.140	42.389	-11.611	54.000
20960.000	*	*	*	*	54.000
26200.000	*	*	*	*	54.000
31440.000	*	*	*	*	54.000
36680.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter 802.11a (5500MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal

Peak Detector:

11000.000	15.472	36.110	51.582	-22.418	74.000
16500.000	14.793	42.850	57.643	-16.357	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000

Average

Detector:

16500.000	14.793	28.470	43.263	-10.737	54.000
20720.000	*	*	*	*	54.000
25900.000	*	*	*	*	54.000
31080.000	*	*	*	*	54.000
36260.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter 802.11a (5500MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Vertical					
Peak Detector:					
11000.000	15.472	35.660	51.132	-22.868	74.000
16500.000	14.793	43.080	57.873	-16.127	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average Detector:					
16500.000	14.793	28.610	43.403	-10.597	54.000
20720.000	*	*	*	*	54.000
25900.000	*	*	*	*	54.000
31080.000	*	*	*	*	54.000
36260.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter 802.11a (5600MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal

Peak Detector:

11200.000	15.116	34.180	49.296	-24.704	74.000
16800.000	14.940	41.210	56.150	-17.850	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
31320.000	*	*	*	*	74.000
36540.000	*	*	*	*	74.000

Average

Detector:

16800.000	14.940	28.710	43.650	-10.350	54.000
20880.000	*	*	*	*	54.000
26100.000	*	*	*	*	54.000
31320.000	*	*	*	*	54.000
36540.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter 802.11a (5600MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Vertical					
Peak Detector:					
11200.000	15.116	33.800	48.916	-25.084	74.000
16800.000	14.940	41.310	56.250	-17.750	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
31320.000	*	*	*	*	74.000
36540.000	*	*	*	*	74.000
Average Detector:					
16800.000	14.940	28.660	43.600	-10.400	54.000
20880.000	*	*	*	*	54.000
26100.000	*	*	*	*	54.000
31320.000	*	*	*	*	54.000
36540.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter 802.11a (5700MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal

Peak Detector:

11400.000	16.159	34.550	50.708	-23.292	74.000
17100.000	14.703	42.130	56.833	-17.167	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440.000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000

Average

Detector:

17100.000	14.703	28.590	43.293	-10.707	54.000
20960.000	*	*	*	*	54.000
26200.000	*	*	*	*	54.000
31440.000	*	*	*	*	54.000
36680.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter 802.11a (5700MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Vertical					
Peak Detector:					
11400.000	16.159	34.140	50.298	-23.702	74.000
17100.000	14.703	42.220	56.923	-17.077	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440.000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average Detector:					
17100.000	14.703	28.630	43.333	-10.667	54.000
20960.000	*	*	*	*	54.000
26200.000	*	*	*	*	54.000
31440.000	*	*	*	*	54.000
36680.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter 802.11n-20BW_13.5Mbps(5G Band) (5260MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal

Peak Detector:

10520.000	13.459	36.320	49.779	-24.221	74.000
15780.000	14.474	42.130	56.604	-17.396	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000

Average

Detector:

15780.000	14.474	28.120	42.594	-11.406	54.000
20720.000	*	*	*	*	54.000
25900.000	*	*	*	*	54.000
31080.000	*	*	*	*	54.000
36260.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter 802.11n-20BW_13.5Mbps(5G Band) (5260MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Vertical					
Peak Detector:					
10520.000	13.459	36.360	49.819	-24.181	74.000
15780.000	14.474	42.180	56.654	-17.346	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average Detector:					
15780.000	14.474	28.330	42.804	-11.196	54.000
20720.000	*	*	*	*	54.000
25900.000	*	*	*	*	54.000
31080.000	*	*	*	*	54.000
36260.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter 802.11n-20BW_13.5Mbps(5G Band) (5300MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal

Peak Detector:

10600.000	13.700	36.200	49.900	-24.100	74.000
15900.000	14.291	41.470	55.760	-18.240	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
31320.000	*	*	*	*	74.000
36540.000	*	*	*	*	74.000

Average

Detector:

15900.000	14.291	28.420	42.710	-11.290	54.000
20880.000	*	*	*	*	54.000
26100.000	*	*	*	*	54.000
31320.000	*	*	*	*	54.000
36540.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter 802.11n-20BW_13.5Mbps(5G Band) (5300MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Vertical					
Peak Detector:					
10600.000	13.700	35.540	49.240	-24.760	74.000
15900.000	14.291	41.120	55.410	-18.590	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
31320.000	*	*	*	*	74.000
36540.000	*	*	*	*	74.000
Average Detector:					
15900.000	14.291	28.570	42.860	-11.140	54.000
20880.000	*	*	*	*	54.000
26100.000	*	*	*	*	54.000
31320.000	*	*	*	*	54.000
36540.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter 802.11n-20BW_13.5Mbps(5G Band) (5320MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
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Horizontal

Peak Detector:

10640.000	13.844	36.970	50.814	-23.186	74.000
15960.000	14.249	41.380	55.629	-18.371	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440.000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000

Average

Detector:

15960.000	14.249	28.360	42.609	-11.391	54.000
20960.000	*	*	*	*	54.000
26200.000	*	*	*	*	54.000
31440.000	*	*	*	*	54.000
36680.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter 802.11n-20BW_13.5Mbps(5G Band) (5320MHz)

Frequency MHz	Correct Factor	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Vertical					
Peak Detector:					
10640.000	13.844	37.660	51.504	-22.496	74.000
15960.000	14.249	41.650	55.899	-18.101	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440.000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average Detector:					
15960.000	14.249	28.570	42.819	-11.181	54.000
20960.000	*	*	*	*	54.000
26200.000	*	*	*	*	54.000
31440.000	*	*	*	*	54.000
36680.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter 802.11n-20BW_13.5Mbps(5G Band) (5500MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal

Peak Detector:

11000.000	15.472	35.390	50.862	-23.138	74.000
16500.000	14.793	42.070	56.863	-17.137	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440.000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000

Average

Detector:

16500.000	14.793	28.290	43.083	-10.917	54.000
20960.000	*	*	*	*	54.000
26200.000	*	*	*	*	54.000
31440.000	*	*	*	*	54.000
36680.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter 802.11n-20BW_13.5Mbps(5G Band) (5500MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Vertical					
Peak Detector:					
11000.000	15.472	35.110	50.582	-23.418	74.000
16500.000	14.793	42.520	57.313	-16.687	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440.000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average Detector:					
16500.000	14.793	28.490	43.283	-10.717	54.000
20960.000	*	*	*	*	54.000
26200.000	*	*	*	*	54.000
31440.000	*	*	*	*	54.000
36680.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter 802.11n-20BW_13.5Mbps(5G Band) (5600MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal

Peak Detector:

11200.000	15.116	33.950	49.066	-24.934	74.000
16800.000	14.940	40.780	55.720	-18.280	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440.000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000

Average

Detector:

16800.000	14.940	28.520	43.460	-10.540	54.000
20960.000	*	*	*	*	54.000
26200.000	*	*	*	*	54.000
31440.000	*	*	*	*	54.000
36680.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter 802.11n-20BW_13.5Mbps(5G Band) (5600MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Vertical					
Peak Detector:					
11200.000	15.116	34.930	50.046	-23.954	74.000
16800.000	14.940	41.220	56.160	-17.840	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440.000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average Detector:					
16800.000	14.940	28.450	43.390	-10.610	54.000
20960.000	*	*	*	*	54.000
26200.000	*	*	*	*	54.000
31440.000	*	*	*	*	54.000
36680.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter 802.11n-20BW_13.5Mbps(5G Band) (5700MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal

Peak Detector:

11400.000	16.159	33.910	50.068	-23.932	74.000
17100.000	14.703	42.740	57.443	-16.557	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440.000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000

Average

Detector:

17100.000	14.703	28.690	43.393	-10.607	54.000
20960.000	*	*	*	*	54.000
26200.000	*	*	*	*	54.000
31440.000	*	*	*	*	54.000
36680.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter 802.11n-20BW_13.5Mbps(5G Band) (5700MHz)

Frequency MHz	Correct Factor	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Vertical					
Peak Detector:					
11400.000	16.159	35.060	51.218	-22.782	74.000
17100.000	14.703	42.020	56.723	-17.277	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440.000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average Detector:					
17100.000	14.703	28.570	43.273	-10.727	54.000
20960.000	*	*	*	*	54.000
26200.000	*	*	*	*	54.000
31440.000	*	*	*	*	54.000
36680.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter 802.11n-40BW_27Mbps(5G Band) (5270MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal

Peak Detector:

10540.000	13.522	35.840	49.362	-24.638	74.000
15810.000	14.374	41.830	56.204	-17.796	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	74.000
31140.000	*	*	*	*	74.000
36330.000	*	*	*	*	74.000

Average

Detector:

15810.000	14.374	28.470	42.844	-11.156	54.000
20760.000	*	*	*	*	54.000
25950.000	*	*	*	*	54.000
31140.000	*	*	*	*	54.000
36330.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter 802.11n-40BW_27Mbps(5G Band) (5270MHz)

Frequency MHz	Correct Factor	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Vertical					
Peak Detector:					
10540.000	13.522	35.430	48.952	-25.048	74.000
15810.000	14.374	42.140	56.514	-17.486	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	74.000
31140.000	*	*	*	*	74.000
36330.000	*	*	*	*	74.000
Average Detector:					
15810.000	14.374	28.440	42.814	-11.186	54.000
20760.000	*	*	*	*	54.000
25950.000	*	*	*	*	54.000
31140.000	*	*	*	*	54.000
36330.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter 802.11n-40BW_27Mbps(5G Band) (5310MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal

Peak Detector:

10620.000	13.774	36.040	49.814	-24.186	74.000
15930.000	14.274	41.680	55.953	-18.047	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
31380.000	*	*	*	*	74.000
36610.000	*	*	*	*	74.000

Average

Detector:

15930.000	14.274	28.550	42.823	-11.177	54.000
20920.000	*	*	*	*	54.000
26150.000	*	*	*	*	54.000
31380.000	*	*	*	*	54.000
36610.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter 802.11n-40BW_27Mbps(5G Band) (5310MHz)

Frequency MHz	Correct Factor	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Vertical					
Peak Detector:					
10620.000	13.774	36.030	49.804	-24.196	74.000
15930.000	14.274	41.340	55.613	-18.387	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
31380.000	*	*	*	*	74.000
36610.000	*	*	*	*	74.000
Average Detector:					
15930.000	14.274	28.610	42.883	-11.117	54.000
20920.000	*	*	*	*	54.000
26150.000	*	*	*	*	54.000
31380.000	*	*	*	*	54.000
36610.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter 802.11n-40BW_27Mbps(5G Band) (5510MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal

Peak Detector:

11020.000	15.479	34.770	50.248	-23.752	74.000
16530.000	14.801	42.520	57.321	-16.679	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
31380.000	*	*	*	*	74.000
36610.000	*	*	*	*	74.000

Average

Detector:

16530.000	14.801	28.540	43.341	-10.659	54.000
20920.000	*	*	*	*	54.000
26150.000	*	*	*	*	54.000
31380.000	*	*	*	*	54.000
36610.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter 802.11n-40BW_27Mbps(5G Band) (5510MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Vertical					
Peak Detector:					
11020.000	15.479	35.140	50.618	-23.382	74.000
16530.000	14.801	42.670	57.471	-16.529	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
31380.000	*	*	*	*	74.000
36610.000	*	*	*	*	74.000
Average Detector:					
11020.000	15.479	28.470	43.948	-10.052	54.000
16530.000	*	*	*	*	54.000
20920.000	*	*	*	*	54.000
26150.000	*	*	*	*	54.000
31380.000	*	*	*	*	54.000
36610.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter 802.11n-40BW_27Mbps(5G Band) (5590MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal

Peak Detector:

11180.000	15.130	34.210	49.340	-24.660	74.000
16770.000	14.921	40.990	55.910	-18.090	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
31380.000	*	*	*	*	74.000
36610.000	*	*	*	*	74.000

Average

Detector:

16770.000	14.921	28.620	43.540	-10.460	54.000
20920.000	*	*	*	*	54.000
26150.000	*	*	*	*	54.000
31380.000	*	*	*	*	54.000
36610.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter 802.11n-40BW_27Mbps(5G Band) (5590MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Vertical					
Peak Detector:					
11180.000	15.130	34.330	49.460	-24.540	74.000
16770.000	14.921	42.170	57.090	-16.910	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
31380.000	*	*	*	*	74.000
36610.000	*	*	*	*	74.000
Average Detector:					
16770.000	14.921	28.710	43.630	-10.370	54.000
20920.000	*	*	*	*	54.000
26150.000	*	*	*	*	54.000
31380.000	*	*	*	*	54.000
36610.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter 802.11n-40BW_27Mbps(5G Band) (5670MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal

Peak Detector:

11340.000	15.876	34.700	50.576	-23.424	74.000
17010.000	15.050	41.930	56.980	-17.020	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
31380.000	*	*	*	*	74.000
36610.000	*	*	*	*	74.000

Average

Detector:

17010.000	15.050	28.730	43.780	-10.220	54.000
20920.000	*	*	*	*	54.000
26150.000	*	*	*	*	54.000
31380.000	*	*	*	*	54.000
36610.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter 802.11n-40BW_27Mbps(5G Band) (5670MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Vertical					
Peak Detector:					
11340.000	15.876	34.330	50.206	-23.794	74.000
17010.000	15.050	41.820	56.870	-17.130	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
31380.000	*	*	*	*	74.000
36610.000	*	*	*	*	74.000
Average Detector:					
17010.000	15.050	28.660	43.710	-10.290	54.000
20920.000	*	*	*	*	54.000
26150.000	*	*	*	*	54.000
31380.000	*	*	*	*	54.000
36610.000	*	*	*	*	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : ROS Home Center
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter 802.11a (5300MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector					
198.780	11.343	13.902	25.245	-18.255	43.500
499.480	21.337	13.877	35.214	-10.786	46.000
637.220	24.692	8.822	33.514	-12.486	46.000
747.800	25.177	13.839	39.016	-6.984	46.000
792.420	26.491	6.010	32.501	-13.499	46.000
996.123	28.576	16.058	44.634	-9.366	54.000
Vertical					
Peak Detector					
198.780	11.362	11.286	22.648	-20.852	43.500
499.480	21.538	5.824	27.362	-18.638	46.000
697.360	24.558	-1.544	23.014	-22.986	46.000
749.740	27.343	8.945	36.288	-9.712	46.000
901.060	28.415	0.001	28.416	-17.584	46.000
996.120	27.776	17.078	44.854	-9.146	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. “ ” means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The radiated emissions below 1GHz of the lowest, middle, highest frequency are pretested. Only the worst case is shown on the report.

Product : ROS Home Center
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter 802.11a (5600MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal

Peak Detector

249.220	15.249	9.536	24.785	-21.215	46.000
299.660	16.328	6.089	22.417	-23.583	46.000
499.480	21.337	14.913	36.250	-9.750	46.000
637.200	24.690	6.854	31.544	-14.456	46.000
747.800	25.177	13.072	38.249	-7.751	46.000
996.120	28.576	13.665	42.241	-11.759	54.000

Vertical

Peak Detector

497.540	21.403	6.111	27.514	-18.486	46.000
641.100	24.074	4.458	28.532	-17.468	46.000
749.740	27.343	-1.979	25.364	-20.636	46.000
901.060	28.415	-0.041	28.374	-17.626	46.000
961.200	27.963	4.701	32.664	-21.336	54.000
996.120	27.776	15.672	43.448	-10.552	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. “” means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The radiated emissions below 1GHz of the lowest, middle, highest frequency are pretested. Only the worst case is shown on the report.

Product : ROS Home Center
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter 802.11n-20BW_13.5Mbps(5G Band) (5300MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal

Peak Detector

299.660	16.328	8.308	24.636	-21.364	46.000
497.540	21.503	13.711	35.214	-10.786	46.000
637.220	24.692	11.272	35.964	-10.036	46.000
747.800	25.177	12.452	37.629	-8.371	46.000
792.420	26.491	3.727	30.218	-15.782	46.000
996.120	28.576	16.056	44.632	-9.368	54.000

Vertical

Peak Detector

198.780	11.362	13.296	24.658	-18.842	43.500
499.480	21.538	11.713	33.251	-12.749	46.000
641.100	24.074	4.140	28.214	-17.786	46.000
749.740	27.343	9.215	36.558	-9.442	46.000
901.060	28.415	1.772	30.187	-15.813	46.000
996.120	27.776	14.859	42.635	-11.365	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. “ ” means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The radiated emissions below 1GHz of the lowest, middle, highest frequency are pretested. Only the worst case is shown on the report.

Product : ROS Home Center
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter 802.11n-20BW_13.5Mbps(5G Band) (5600MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal

Peak Detector

499.480	21.337	13.877	35.214	-10.786	46.000
637.220	24.692	8.526	33.218	-12.782	46.000
747.800	25.177	11.737	36.914	-9.086	46.000
792.420	26.491	3.664	30.155	-15.845	46.000
961.200	27.863	4.585	32.448	-21.552	54.000
996.100	28.580	17.057	45.637	-8.363	54.000

Vertical

Peak Detector

480.080	21.483	11.064	32.547	-13.453	46.000
499.480	21.538	5.005	26.543	-19.457	46.000
641.100	24.074	3.277	27.351	-18.649	46.000
749.240	27.338	10.314	37.652	-8.348	46.000
901.060	28.415	0.219	28.634	-17.366	46.000
996.120	27.776	16.552	44.328	-9.672	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. “ ” means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The radiated emissions below 1GHz of the lowest, middle, highest frequency are pretested. Only the worst case is shown on the report.

Product : ROS Home Center
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter 802.11n-40BW_27Mbps(5G Band) (5310MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal

Peak Detector

499.480	21.337	14.292	35.629	-10.371	46.000
637.220	24.692	7.456	32.148	-13.852	46.000
749.740	25.195	12.063	37.258	-8.742	46.000
792.420	26.491	3.715	30.206	-15.794	46.000
932.100	27.698	5.444	33.142	-12.858	46.000
996.120	28.576	15.115	43.691	-10.309	54.000

Vertical

Peak Detector

480.080	21.483	6.210	27.693	-18.307	46.000
499.480	21.538	10.006	31.544	-14.456	46.000
749.740	27.343	8.868	36.211	-9.789	46.000
897.180	28.172	0.469	28.641	-17.359	46.000
961.200	27.963	2.192	30.155	-23.845	54.000
996.120	27.776	15.846	43.622	-10.378	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. “” means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The radiated emissions below 1GHz of the lowest, middle, highest frequency are pretested. Only the worst case is shown on the report.

Product : ROS Home Center
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter 802.11n-40BW_27Mbps(5G Band) (5590MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

Horizontal

Peak Detector

497.540	21.503	13.724	35.227	-10.773	46.000
637.220	24.692	9.859	34.551	-11.449	46.000
749.740	25.195	14.215	39.410	-6.590	46.000
792.420	26.491	4.023	30.514	-15.486	46.000
961.200	27.863	8.700	36.563	-17.437	54.000
996.120	28.576	15.674	44.250	-9.750	54.000

Vertical

Peak Detector

350.100	17.498	12.982	30.480	-15.520	46.000
497.540	21.403	5.747	27.150	-18.850	46.000
641.100	24.074	-0.386	23.688	-22.312	46.000
749.740	27.343	9.181	36.524	-9.476	46.000
901.660	28.482	2.769	31.251	-14.749	46.000
996.120	27.776	15.478	43.254	-10.746	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. “” means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The radiated emissions below 1GHz of the lowest, middle, highest frequency are pretested. Only the worst case is shown on the report.

8. Band Edge

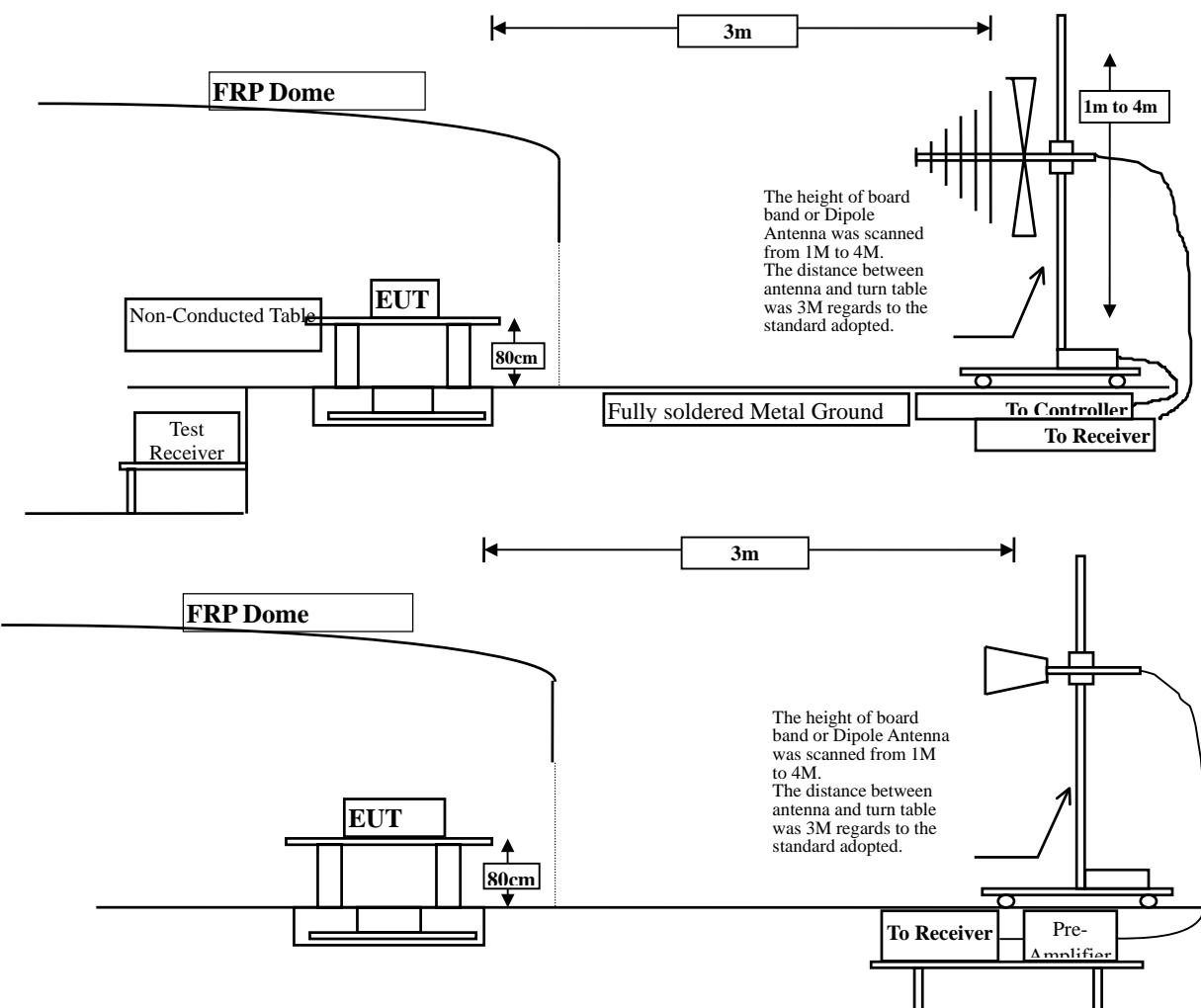
8.1. Test Equipment

The following test equipments are used during the band edge tests:

Test Site	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
Site # 3	X Test Receiver	R & S	ESI 26 / 838786 / 004	May, 2008
	X Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2008
	X Pre-Amplifier	QTK	QTK-AMP-03 / 0003	May, 2008
	X Bilog Antenna	SCHAFFNER	CBL6112B / 2697	May, 2008
	X Horn Antenna	ETS	3115 / 0005-6160	July, 2008
	X Pre-Amplifier	QTK	QTK-AMP-01 / 0001	July, 2008

8.2. Test Setup

RF Radiated Measurement:



8.3. Limits

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section.

Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission limits specified in Section 15.209:

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m @3m	dBuV/m@3m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Remarks :

1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

8.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level.

The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4:2003 on radiated measurement.

The bandwidth below 1GHz setting on the field strength meter is 120 kHz, above 1GHz are 1 MHz.

The EUT was setup to ANSI C63.4, 2003; tested to DTS test procedure of Aug 2002 DA 02-2138 for compliance to FCC 47CFR Subpart E requirements.

8.5. Uncertainty

± 3.8 dB below 1GHz

± 3.9 dB above 1GHz

8.6. Test Result of Band Edge

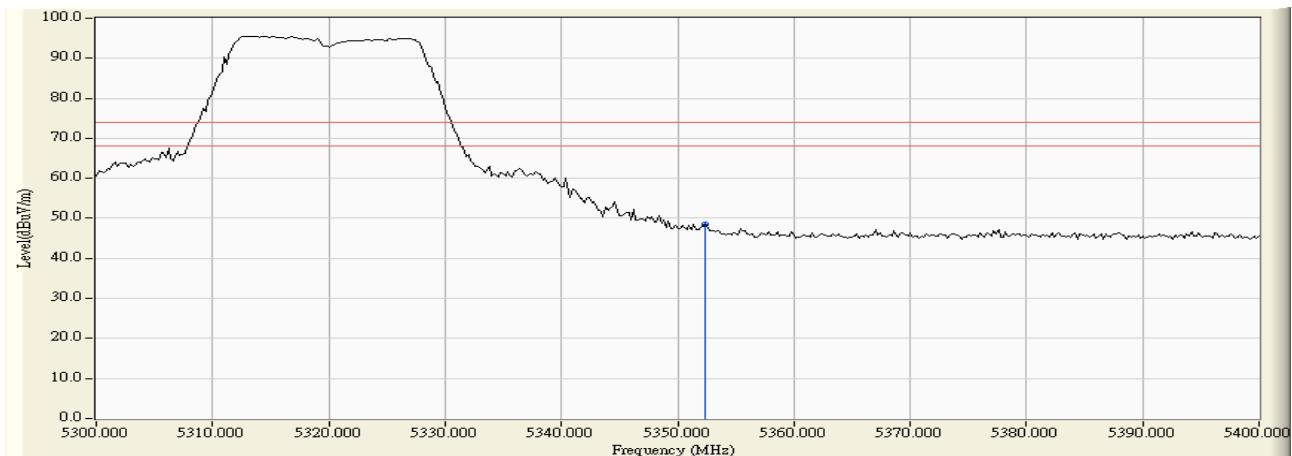
Product : ROS Home Center
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 1: Transmitter 802.11a (5320MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
04 (Peak)	5352.400	4.448	44.058	48.506	74.00	54.00	Pass
04 (Average)	--	--	--	--	74.00	54.00	Pass

Figure Channel 04:

Horizontal (Peak)

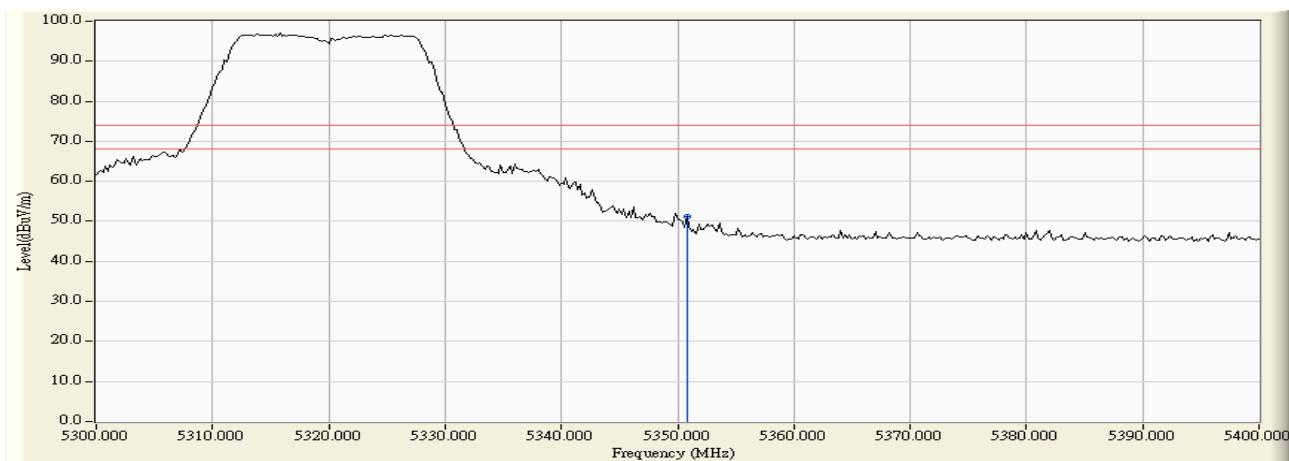


Note: RBW=1MHz, VBW=1MHz, Sweep=500ms

Product : ROS Home Center
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 1: Transmitter 802.11a (5320MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
04 (Peak)	5350.800	4.447	46.708	51.155	74.00	54.00	Pass
04 (Average)	--	--	--	--	74.00	54.00	Pass

Figure Channel 04:**Vertical (Peak)**

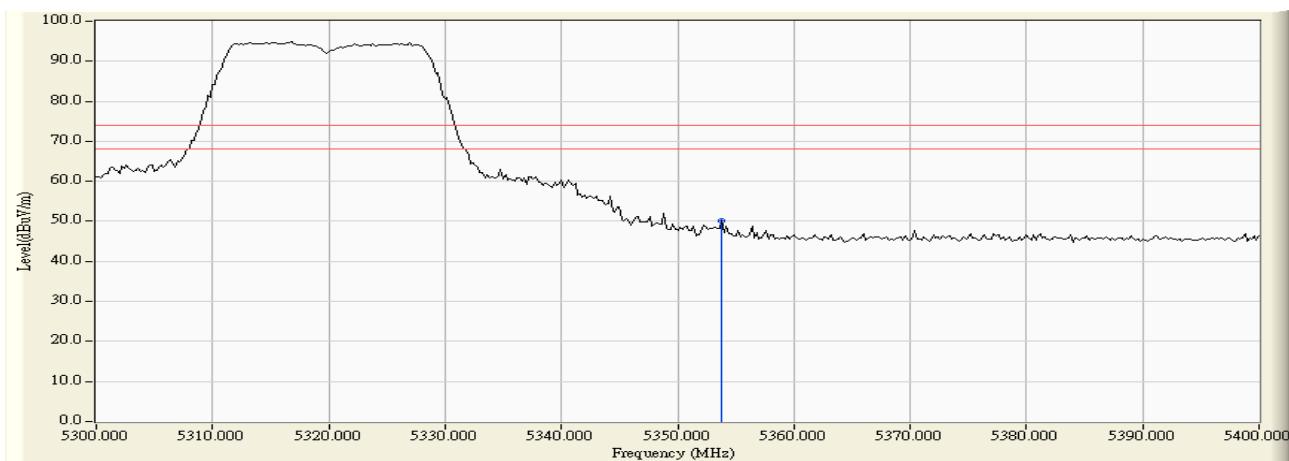
Note: RBW=1MHz, VBW=1MHz, Sweep=500ms

Note: The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product : ROS Home Center
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 2: Transmitter 802.11n-20BW_13.5Mbps(5G Band) (5320MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
04 (Peak)	5353.800	4.449	45.688	50.137	74.00	54.00	Pass
04 (Average)	--	--	--	--	74.00	54.00	Pass

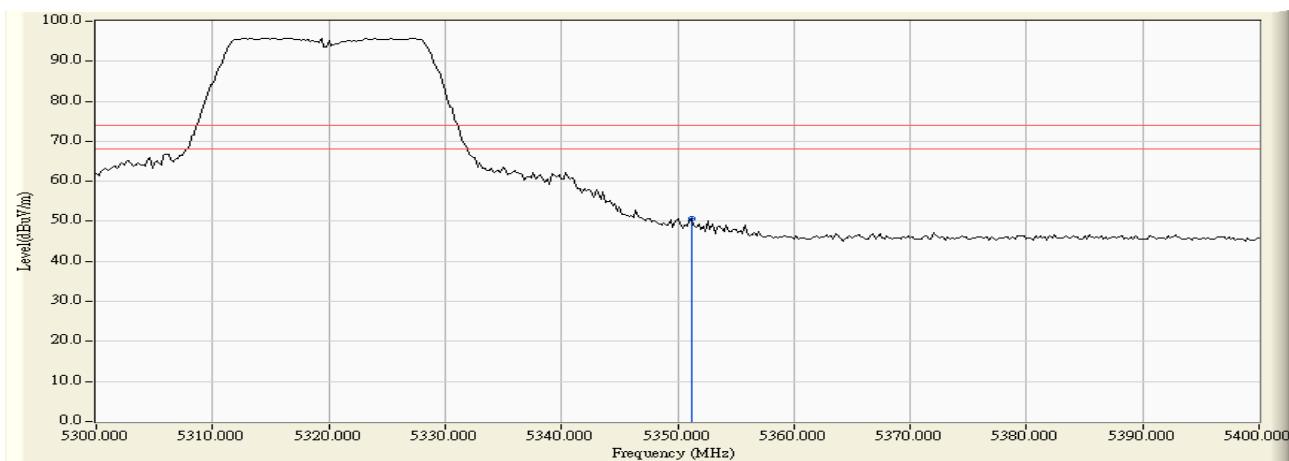
Figure Channel 04:**Horizontal (Peak)**

Note: RBW=1MHz, VBW=1MHz, Sweep=500ms

Product : ROS Home Center
Test Item : Band Edge
Test Site : No.3 OATS
Test Mode : Mode 2: Transmitter 802.11n-20BW_13.5Mbps(5G Band) (5320MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
04 (Peak)	5351.200	4.447	46.335	50.782	74.00	54.00	Pass
04 (Average)	--	--	--	--	74.00	54.00	Pass

Figure Channel 04:**Vertical (Peak)**

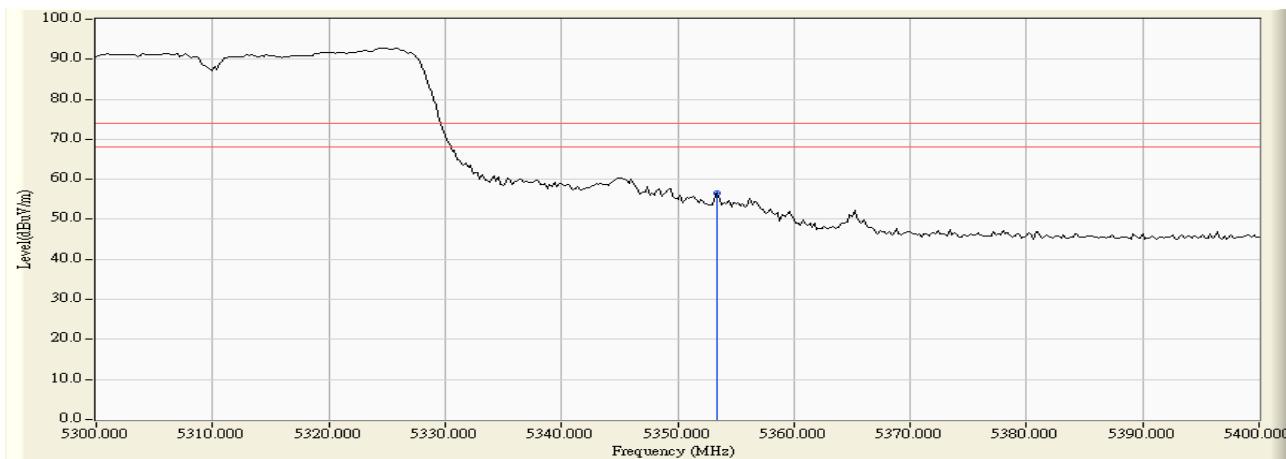
Note: RBW=1MHz, VBW=1MHz, Sweep=500ms

Note: The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

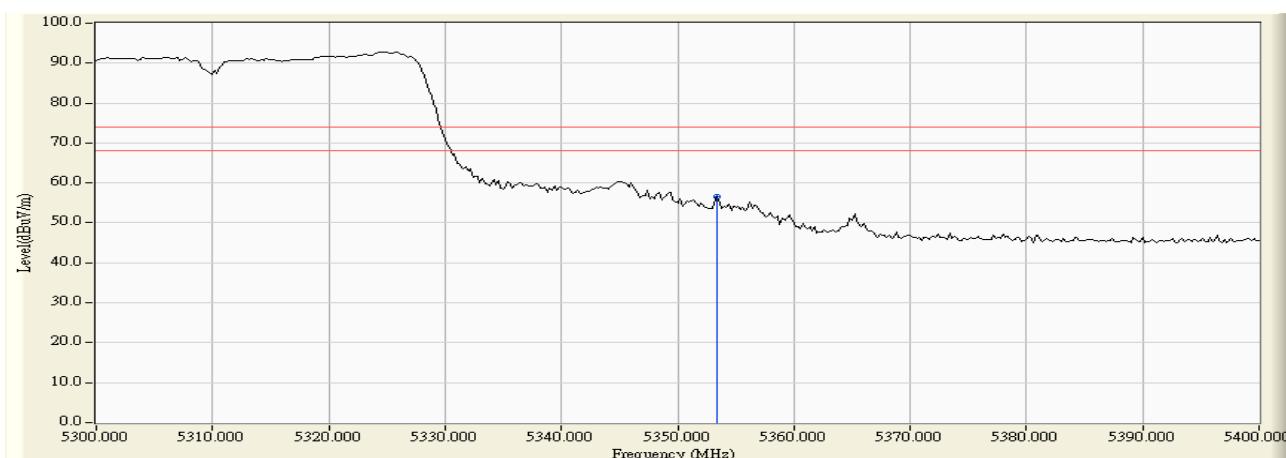
Product : ROS Home Center
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter 802.11n-40BW_27Mbps(5G Band) (5310MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
02 (Peak)	5353.400	4.449	52.095	56.544	74.00	54.00	Pass
02 (Average)	5353.400	4.449	36.475	40.924	74.00	54.00	Pass

Figure Channel 02:
Horizontal (Peak)


Note: RBW=1MHz, VBW=1MHz, Sweep=500ms

Figure Channel 02:
Horizontal (Average)


Note: RBW=1MHz, VBW=1MHz, Sweep=500ms

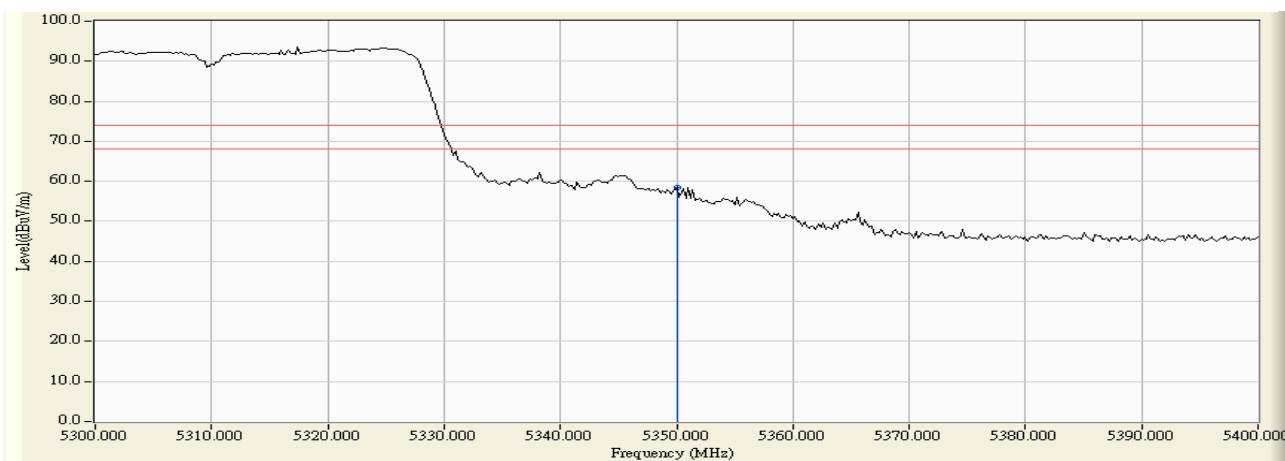
Product : ROS Home Center
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter 802.11n-40BW_27Mbps(5G Band) (5310MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
02 (Peak)	5350.000	4.446	53.872	58.318	74.00	54.00	Pass
02 (Average)	5350.000	4.446	39.088	43.534	74.00	54.00	Pass

Figure Channel 02:

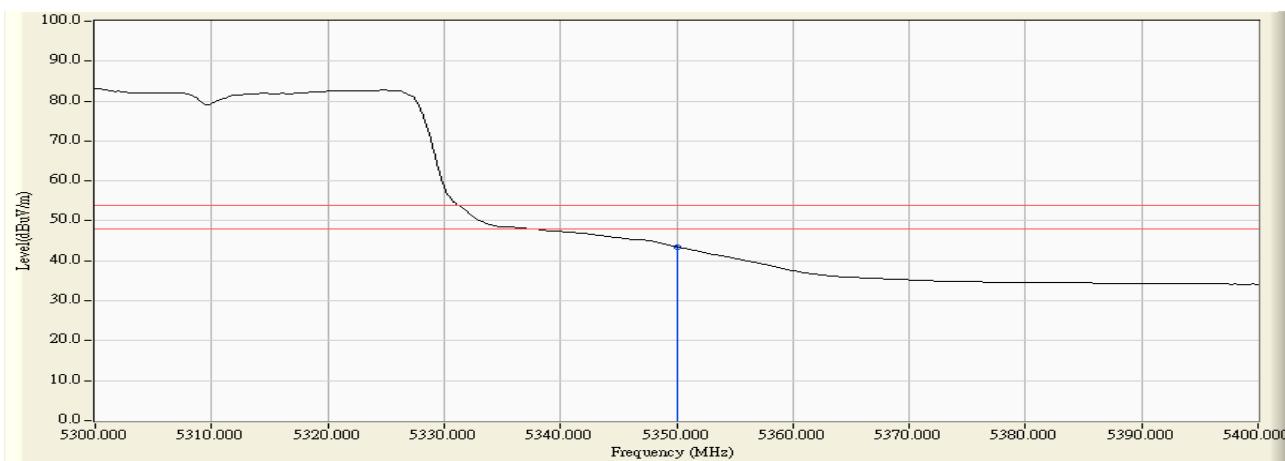
Vertical (Peak)



Note: RBW=1MHz, VBW=1MHz, Sweep=500ms

Figure Channel 02:

Vertical (Average)



Note: RBW=1MHz, VBW=1MHz, Sweep=500ms

Note: The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

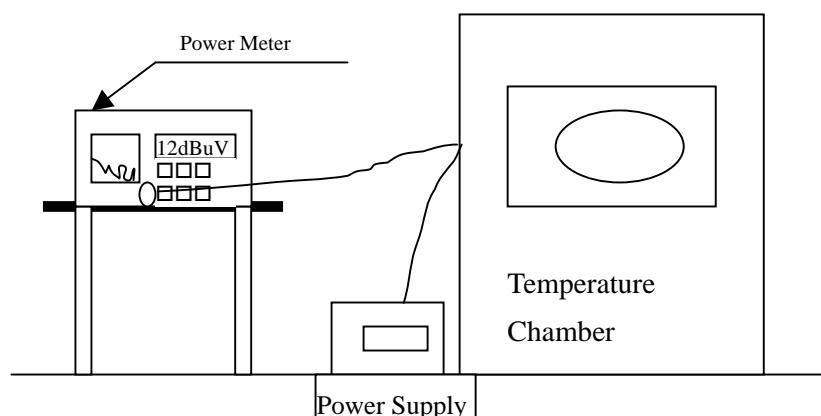
9. Frequency Stability

9.1. Test Equipment

Equipment	Manufacturer	Model No./Serial No.	Last Cal.	Remark
Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2008	
Temperature Chamber	WIT GROUP	TH-1S-B / WIT-02121901	June, 2008	

Note: All equipments are calibrated every one year.

9.2. Test Setup



9.3. Limits

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified

9.4. Test Procedure

The EUT was setup to ANSI C63.4, 2003; tested to DTS test procedure of Aug 2002 DA 02-2138 for compliance to FCC 47CFR Subpart E requirements.

9.5. Uncertainty

± 150 Hz

9.6. Test Result of Frequency Stability

Product : ROS Home Center
Test Item : Frequency Stability
Test Site : Temperature Chamber
Test Mode : Mode 1: Transmitter 802.11a

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
T _{nom} (20) °C	V _{nom} (110)V	01	5260.00	5260.00	0.00
		03	5300.00	5300.00	0.00
		04	5320.00	5320.00	0.00
		05	5500.00	5500.00	0.00
		10	5600.00	5600.00	0.00
		15	5700.00	5700.00	0.00
T _{nom} (50) °C	V _{nom} (126.5)V	01	5260.00	5260.00	0.00
		03	5300.00	5300.00	0.00
		04	5320.00	5320.00	0.00
		05	5500.00	5500.00	0.00
		10	5600.00	5600.00	0.00
		15	5700.00	5700.00	0.00
T _{nom} (50) °C	V _{nom} (93.5)V	01	5260.00	5260.00	0.00
		03	5300.00	5300.00	0.00
		04	5320.00	5320.00	0.00
		05	5500.00	5500.00	0.00
		10	5600.00	5600.00	0.00
		15	5700.00	5700.00	0.00
T _{nom} (0) °C	V _{nom} (126.5)V	01	5260.00	5260.00	0.00
		03	5300.00	5300.00	0.00
		04	5320.00	5320.00	0.00
		05	5500.00	5500.00	0.00
		10	5600.00	5600.00	0.00
		15	5700.00	5700.00	0.00
T _{nom} (0) °C	V _{nom} (93.5)V	01	5260.00	5260.00	0.00
		03	5300.00	5300.00	0.00
		04	5320.00	5320.00	0.00
		05	5500.00	5500.00	0.00
		10	5600.00	5600.00	0.00
		15	5700.00	5700.00	0.00

Product : ROS Home Center
 Test Item : Frequency Stability
 Test Site : Temperature Chamber
 Test Mode : Mode 2: Transmitter 802.11n-20BW_13.5Mbps(5G Band)-Antenna A

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
T _{nom} (20) °C	V _{nom} (110)V	01	5260.00	5260.00	0.00
		03	5300.00	5300.00	0.00
		04	5320.00	5320.00	0.00
		05	5500.00	5500.00	0.00
		10	5600.00	5600.00	0.00
		15	5700.00	5700.00	0.00
T _{nom} (50) °C	V _{nom} (126.5)V	01	5260.00	5260.00	0.00
		03	5300.00	5300.00	0.00
		04	5320.00	5320.00	0.00
		05	5500.00	5500.00	0.00
		10	5600.00	5600.00	0.00
		15	5700.00	5700.00	0.00
T _{nom} (50) °C	V _{nom} (93.5)V	01	5260.00	5260.00	0.00
		03	5300.00	5300.00	0.00
		04	5320.00	5320.00	0.00
		05	5500.00	5500.00	0.00
		10	5600.00	5600.00	0.00
		15	5700.00	5700.00	0.00
T _{nom} (0) °C	V _{nom} (126.5)V	01	5260.00	5260.00	0.00
		03	5300.00	5300.00	0.00
		04	5320.00	5320.00	0.00
		05	5500.00	5500.00	0.00
		10	5600.00	5600.00	0.00
		15	5700.00	5700.00	0.00
T _{nom} (0) °C	V _{nom} (93.5)V	01	5260.00	5260.00	0.00
		03	5300.00	5300.00	0.00
		04	5320.00	5320.00	0.00
		05	5500.00	5500.00	0.00
		10	5600.00	5600.00	0.00
		15	5700.00	5700.00	0.00

Product : ROS Home Center
 Test Item : Frequency Stability
 Test Site : Temperature Chamber
 Test Mode : Mode 2: Transmitter 802.11n-20BW_13.5Mbps(5G Band)-Antenna B

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
T _{nom} (20) °C	V _{nom} (110)V	01	5260.00	5260.00	0.00
		03	5300.00	5300.00	0.00
		04	5320.00	5320.00	0.00
		05	5500.00	5500.00	0.00
		10	5600.00	5600.00	0.00
		15	5700.00	5700.00	0.00
T _{nom} (50) °C	V _{nom} (126.5)V	01	5260.00	5260.00	0.00
		03	5300.00	5300.00	0.00
		04	5320.00	5320.00	0.00
		05	5500.00	5500.00	0.00
		10	5600.00	5600.00	0.00
		15	5700.00	5700.00	0.00
T _{nom} (50) °C	V _{nom} (93.5)V	01	5260.00	5260.00	0.00
		03	5300.00	5300.00	0.00
		04	5320.00	5320.00	0.00
		05	5500.00	5500.00	0.00
		10	5600.00	5600.00	0.00
		15	5700.00	5700.00	0.00
T _{nom} (0) °C	V _{nom} (126.5)V	01	5260.00	5260.00	0.00
		03	5300.00	5300.00	0.00
		04	5320.00	5320.00	0.00
		05	5500.00	5500.00	0.00
		10	5600.00	5600.00	0.00
		15	5700.00	5700.00	0.00
T _{nom} (0) °C	V _{nom} (93.5)V	01	5260.00	5260.00	0.00
		03	5300.00	5300.00	0.00
		04	5320.00	5320.00	0.00
		05	5500.00	5500.00	0.00
		10	5600.00	5600.00	0.00
		15	5700.00	5700.00	0.00

Product : ROS Home Center
 Test Item : Frequency Stability
 Test Site : Temperature Chamber
 Test Mode : Mode 3: Transmitter 802.11n-40BW_27Mbps(5G Band)-Antenna A

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
T _{nom} (23) °C	V _{nom} (110)V	01	5270.00	5270.00	0.00
		02	5310.00	5310.00	0.00
		03	5510.00	5510.00	0.00
		05	5590.00	5590.00	0.00
		07	5670.00	5670.00	0.00
T _{nom} (55) °C	V _{nom} (126.5)V	01	5270.00	5270.00	0.00
		02	5310.00	5310.00	0.00
		03	5510.00	5510.00	0.00
		05	5590.00	5590.00	0.00
		07	5670.00	5670.00	0.00
T _{nom} (55) °C	V _{nom} (93.5)V	01	5270.00	5270.00	0.00
		02	5310.00	5310.00	0.00
		03	5510.00	5510.00	0.00
		05	5590.00	5590.00	0.00
		07	5670.00	5670.00	0.00
T _{nom} (0) °C	V _{nom} (126.5)V	01	5270.00	5270.00	0.00
		02	5310.00	5310.00	0.00
		03	5510.00	5510.00	0.00
		05	5590.00	5590.00	0.00
		07	5670.00	5670.00	0.00
T _{nom} (0) °C	V _{nom} (93.5)V	01	5270.00	5270.00	0.00
		02	5310.00	5310.00	0.00
		03	5510.00	5510.00	0.00
		05	5590.00	5590.00	0.00
		07	5670.00	5670.00	0.00

Product : ROS Home Center
 Test Item : Frequency Stability
 Test Site : Temperature Chamber
 Test Mode : Mode 3: Transmitter 802.11n-40BW_27Mbps(5G Band)-Antenna B

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	ΔF (MHz)
T _{nom} (23) °C	V _{nom} (110)V	01	5270.00	5270.00	0.00
		02	5310.00	5310.00	0.00
		03	5510.00	5510.00	0.00
		05	5590.00	5590.00	0.00
		07	5670.00	5670.00	0.00
T _{nom} (55) °C	V _{nom} (126.5)V	01	5270.00	5270.00	0.00
		02	5310.00	5310.00	0.00
		03	5510.00	5510.00	0.00
		05	5590.00	5590.00	0.00
		07	5670.00	5670.00	0.00
T _{nom} (55) °C	V _{nom} (93.5)V	01	5270.00	5270.00	0.00
		02	5310.00	5310.00	0.00
		03	5510.00	5510.00	0.00
		05	5590.00	5590.00	0.00
		07	5670.00	5670.00	0.00
T _{nom} (0) °C	V _{nom} (126.5)V	01	5270.00	5270.00	0.00
		02	5310.00	5310.00	0.00
		03	5510.00	5510.00	0.00
		05	5590.00	5590.00	0.00
		07	5670.00	5670.00	0.00
T _{nom} (0) °C	V _{nom} (93.5)V	01	5270.00	5270.00	0.00
		02	5310.00	5310.00	0.00
		03	5510.00	5510.00	0.00
		05	5590.00	5590.00	0.00
		07	5670.00	5670.00	0.00