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8. RADIATED TEST RESULTS

LIMITS

Refer to CFR 47 FCC §15.205, §15.209 and §15.407 (b).

Refer to ISED RSS-GEN Clause 8.9, Clause 8.10 and ISED RSS-247 6.2.

Radiation Disturbance Test Limit for FCC (Class B) (9 kHz ~ 1 GHz)

Emissions radiated outside of the specified frequency bands above 30 MHz				
Frequency Range	Field Strength Limit	Field Strength Limit		
(MHz)	(uV/m) at 3 m	(dBuV/m) at 3 m		
		Quasi-Peak		
30 - 88	100	40		
88 - 216	150	43.5		
216 - 960	200	46		
Above 960	500	54		
Above 1000	500	Peak	Average	
Above 1000	500	74	54	

FCC Emissions radiated outside of the specified frequency bands below 30 MHz				
Frequency (MHz) Field strength (microvolts/meter) Measurement distance (meters)				
0.009-0.490	2400/F(kHz)	300		
0.490-1.705	24000/F(kHz)	30		
1.705-30.0	30	30		

ISED General field strength limits at frequencies below 30 MHz

Table 6 – General field strength limits at frequencies below 30 MHz					
Frequency Magnetic field strength (H-Field) (μA/m) Measurement distance (m)					
9 - 490 kHz ^{Note 1}	6.37/F (F in kHz)	300			
490 - 1705 kHz	63.7/F (F in kHz)	30			
1.705 - 30 MHz 0.08 30					

Note 1: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

ISED Restricted bands refer to ISED RSS-GEN Clause 8.10



MHz	MHz	GHz
0.090 - 0.110	149.9 - 150.05	9.0 - 9.2
0.495 - 0.505	158.52475 - 158.52525	9.3 - 9.5
2.1735 - 2.1905	156.7 - 156.9	10.6 - 12.7
3.020 - 3.028	162.0125 - 167.17	13.25 - 13.4
4.125 - 4.128	167.72 - 173.2	14.47 - 14.5
4.17725 - 4.17775	240 – 285	15.35 - 16.2
4.20725 - 4.20775	322 - 335.4	17.7 - 21.4
5.677 - 5.683	399.9 - 410	22.01 - 23.12
6.215 - 6.218	608 - 614	23.6 - 24.0
6.26775 - 6.26825	960 - 1427	31.2 - 31.8
6.31175 - 6.31225	1435 - 1626.5	36.43 - 36.5
8.291 - 8.294	1645.5 - 1646.5	Above 38.6
8.362 - 8.366	1660 - 1710	
8.37625 - 8.38675	1718.8 - 1722.2	
8.41425 - 8.41475	2200 - 2300	
12.29 - 12.293	2310 - 2390	
12.51975 - 12.52025	2483.5 - 2500	
12.57675 - 12.57725	2655 - 2900	
13.36 - 13.41	3260 - 3267	
16.42 - 16.423	3332 - 3339	
16.69475 - 16.69525	3345.8 - 3358	
16.80425 - 16.80475	3500 - 4400	
25.5 - 25.67	4500 - 5150	
37.5 - 38.25	5350 - 5460	
73 - 74.6	7250 - 7750	
74.8 - 75.2	8025 - 8500	
108 – 138		

Note 1: Certain frequency bands listed in table 7 and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

FCC Restricted bands of operation refer to FCC §15.205 (a):

MHz	MHz	MHz	GHz	
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15	
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46	
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75	
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5	
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2	
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5	
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7	
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4	
6.31175-6.31225	123-138	2200-2300	14.47-14.5	
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2	
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4	
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12	
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0	
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8	
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5	
12.57675-12.57725	322-335.4	3600-4400	(²)	
13.36-13.41				

Note: 1 Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz. 2 Above 38.6c



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Limits of unwanted/undesirable emission out of the restricted bands refer to CFR 47 FCC §15.407 (b) and ISED RSS-247 6.2.

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1GHz)				
Frequency Range	EIRP Limit	Field Strength Limit		
(MHz)	EIRP LIIIIIL	(dBuV/m) at 3 m		
5150~5250 MHz		PK:68.2(dBµV/m)		
5250~5350 MHz	PK: -27 (dBm/MHz)			
5470~5725 MHz				
	PK: -27 (dBm/MHz) *1	PK: 68.2(dBµV/m) *1		
5725~5850 MHz	PK: 10 (dBm/MHz) *2	PK: 105.2 (dBµV/m) *2		
	PK: 15.6 (dBm/MHz) *3	PK: 110.8(dBµV/m) *3		
	PK: 27 (dBm/MHz) *4	PK: 122.2 (dBµV/m) *4		

Note:

^{*1} beyond 75 MHz or more above of the band edge.

^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.

^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.

^{*4} from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.



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TEST PROCEDURE

Below 30 MHz

The setting of the spectrum analyser

RBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
VBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
Sweep	Auto

- 1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.4.
- 2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.
- 3. The EUT was placed on a turntable with 80 cm above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1 m height antenna tower.
- 5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz Radiated emission limits in these three bands are based on measurements employing an average detector.
- 6. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak and average detector mode remeasured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the guasi-peak and average detector and reported.
- 7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KDB 414788.
- 8. The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω . For example, the measurement frequency X KHz resulted in a level of Y dBuV/m, which is equivalent to Y-51.5 = Z dBuA/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to be 15.209(a) limit.



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Below 1 GHz and above 30 MHz

The setting of the spectrum analyser

RBW	120 kHz
VBW	300 kHz
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

- 1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.5.
- 2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 3. The EUT was placed on a turntable with 80 cm above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 5. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.



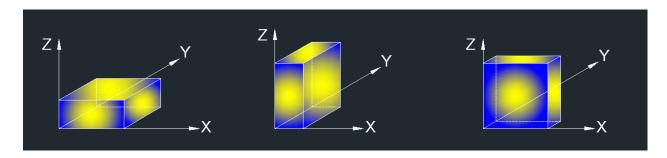
Above 1 GHz

The setting of the spectrum analyser

RBW	1 MHz			
1\/B\/\/	EAK: 3 MHz /G: see note 6			
Sweep	Auto			
Detector	Peak			
Trace	Max hold			

- 1. The testing follows the guidelines in KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.G.3 ~ II.G.6.
- 2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 3. The EUT was placed on a turntable with 1.5 m above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 5. For measurement above 1 GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.
- 6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 7.6.ON TIME AND DUTY CYCLE.

X axis, Y axis, Z axis positions:



Note: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.



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For Restricted Bandedge:

Note:

- 1. Measurement = Reading Level + Correct Factor.
- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
- 5. For the transmitting duration, please refer to clause 7.1.
- 6. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
- 7. Both horizontal and vertical have been tested, only the worst data was recorded in the report.
- 8. All modes, channels and antennas have been tested, only the worst data was recorded in the report.

For Radiate Spurious emission (9 kHz ~ 30 MHz):

Note:

- 1. Measurement = Reading Level + Correct Factor.
- 2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
- 3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.
- 4. All modes, channels and antennas have been tested, only the worst data was recorded in the report.

For Radiate Spurious Emission (30 MHz ~ 1 GHz):

Note:

- 1. Result Level = Read Level + Correct Factor.
- 2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
- 3. All modes, channels and antennas have been tested, only the worst data was recorded in the report.

For Radiate Spurious Emission (1 GHz ~ 7 GHz):

- 1. Measurement = Reading Level + Correct Factor.
- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
- 5. For the transmitting duration, please refer to clause 7.1.
- 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
- 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.
- 9. All modes, channels and antennas have been tested, only the worst data was recorded in the report.



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For Radiate Spurious Emission (7 GHz ~ 18 GHz):

1. Peak Result = Reading Level + Correct Factor.

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
- 5. For the transmitting duration, please refer to clause 7.1.
- 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
- 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.
- 9. All modes, channels and antennas have been tested, only the worst data was recorded in the report.

For Radiate Spurious emission (18 GHz ~ 26 GHz):

Note

- 1. Measurement = Reading Level + Correct Factor.
- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. All modes, channels and antennas have been tested, only the worst data was recorded in the report.

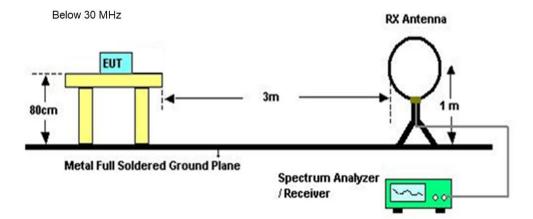
For Radiate Spurious emission (26 GHz ~ 40 GHz):

Note:

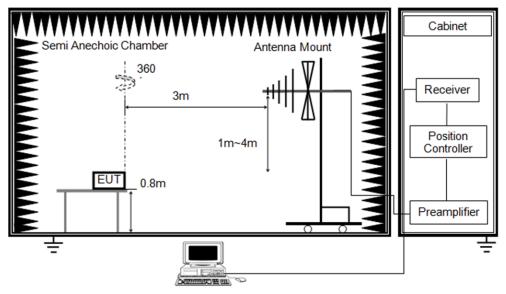
- 1. Measurement = Reading Level + Correct Factor.
- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. All modes, channels and antennas have been tested, only the worst data was recorded in the report.



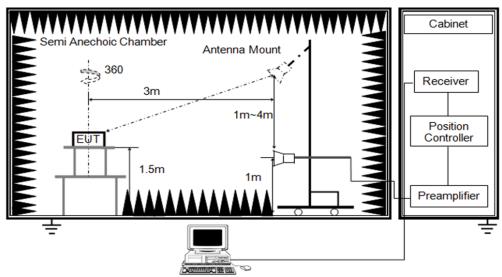
TEST SETUP



Below 1 GHz and above 30 MHz



Above 1 GHz





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TEST ENVIRONMENT

Temperature	mperature 25.3 °C		65%
Atmosphere Pressure	101 kPa	Test Voltage	DC 3.3 V

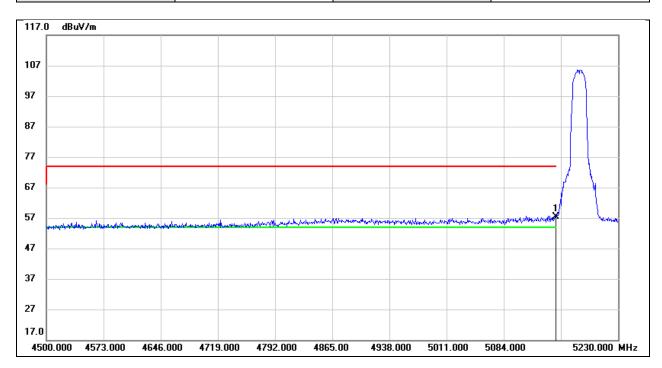
TEST RESULTS



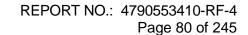
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8.1. RESTRICTED BANDEDGE

Test Mode:	802.11a 20 Peak	Channel:	5180 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V

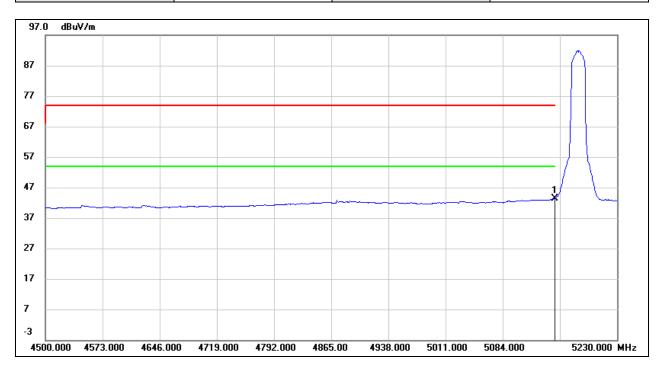


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	17.22	40.27	57.49	74.00	-16.51	peak

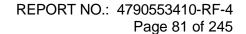




Test Mode:	802.11a 20 Average	Channel:	5180 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V

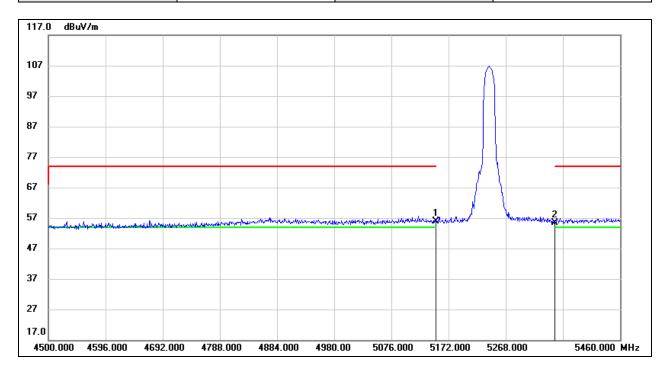


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	3.20	40.27	43.47	54.00	-10.53	AVG

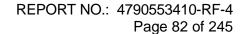




Test Mode:	802.11a 20 Peak	Channel:	5240 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V

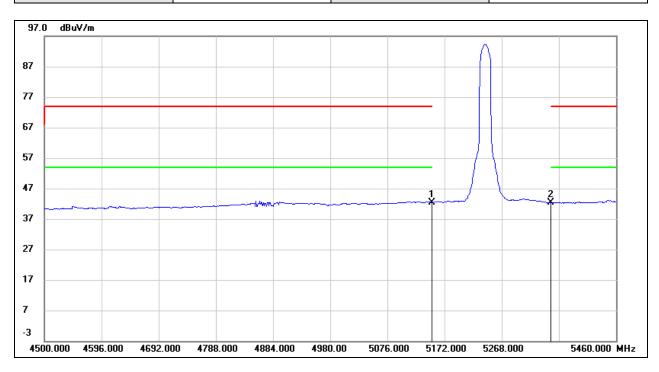


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	15.59	40.27	55.86	74.00	-18.14	peak
2	5350.000	14.94	40.49	55.43	74.00	-18.57	peak

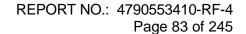




Test Mode: 802.11a 20 Average Channel: 5240 MHz
Polarity: Horizontal Test Voltage: DC 3.3 V

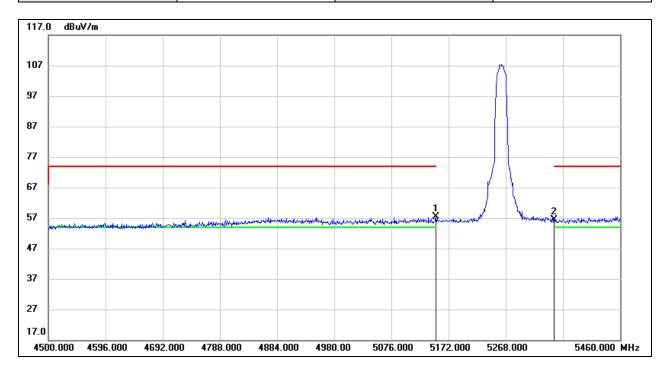


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	2.16	40.27	42.43	54.00	-11.57	AVG
2	5350.000	1.92	40.49	42.41	54.00	-11.59	AVG

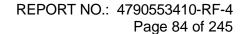




Test Mode:	802.11a 20 Peak	Channel:	5260 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V

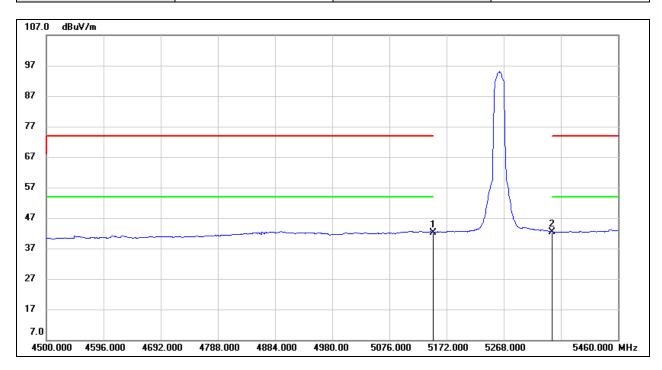


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	17.23	40.27	57.50	74.00	-16.50	peak
2	5350.000	15.94	40.49	56.43	74.00	-17.57	peak

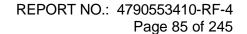




Test Mode: 802.11a 20 Average Channel: 5260 MHz
Polarity: Horizontal Test Voltage: DC 3.3 V

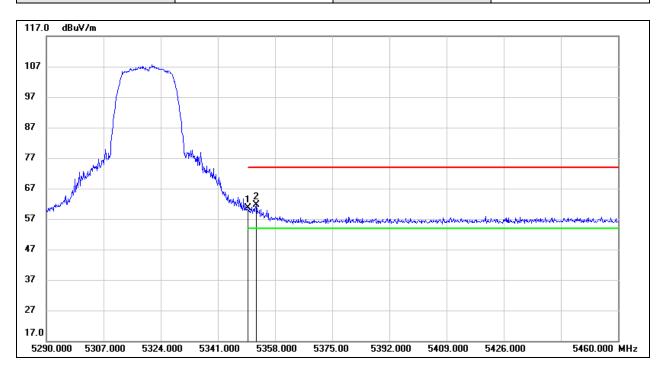


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	1.98	40.27	42.25	54.00	-11.75	AVG
2	5350.000	2.01	40.49	42.50	54.00	-11.50	AVG





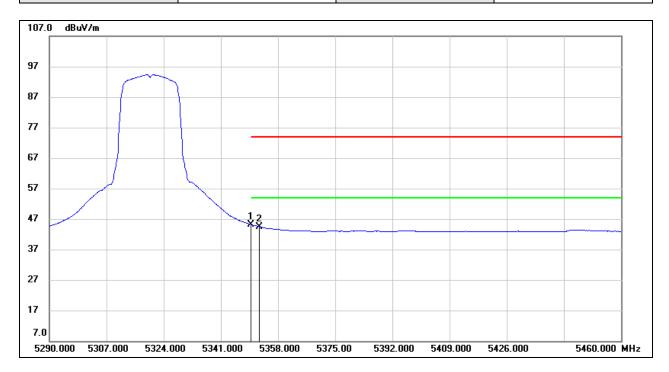
Test Mode: 802.11a 20 Peak Channel: 5320 MHz
Polarity: Horizontal Test Voltage: DC 3.3 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5350.000	20.10	40.49	60.59	74.00	-13.41	peak
2	5352.390	21.17	40.49	61.66	74.00	-12.34	peak



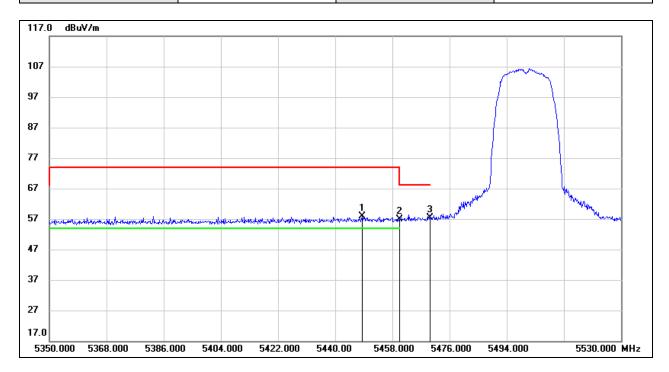
Test Mode:	802.11a 20 Average	Channel:	5320 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5350.000	4.64	40.49	45.13	54.00	-8.87	AVG
2	5352.390	3.97	40.49	44.46	54.00	-9.54	AVG



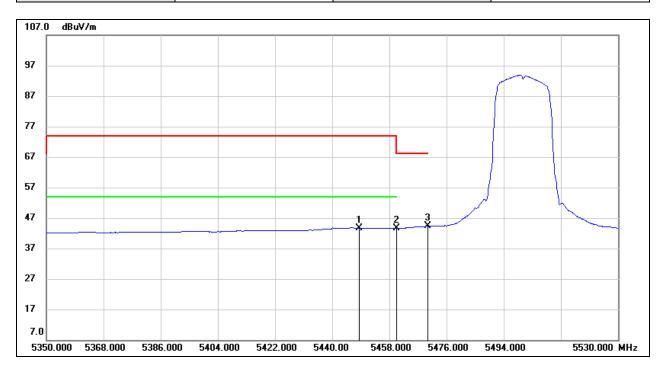
Test Mode:	802.11a 20 Peak	Channel:	5500 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



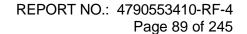
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5448.460	17.22	40.61	57.83	74.00	-16.17	peak
2	5460.000	16.17	40.62	56.79	68.20	-11.41	peak
3	5470.000	16.63	40.63	57.26	68.20	-10.94	peak



Test Mode:	802.11a 20 Average	Channel:	5500 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V

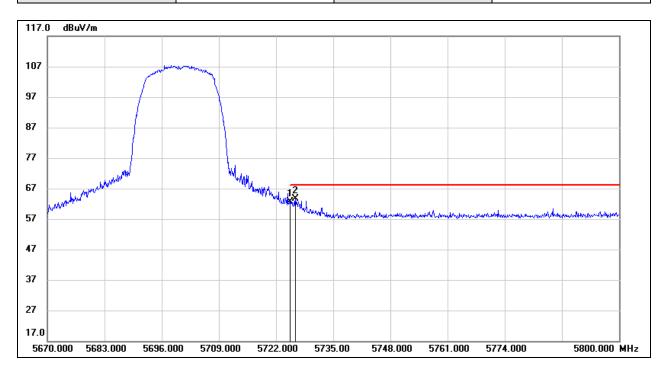


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5448.460	3.00	40.61	43.61	54.00	-10.39	AVG
2	5460.000	3.11	40.62	43.73	54.00	-10.27	AVG
3	5470.000	3.69	40.63	44.32	54.00	-9.68	AVG

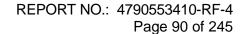




Test Mode: 802.11a 20 Peak Channel: 5700 MHz
Polarity: Horizontal Test Voltage: DC 3.3 V

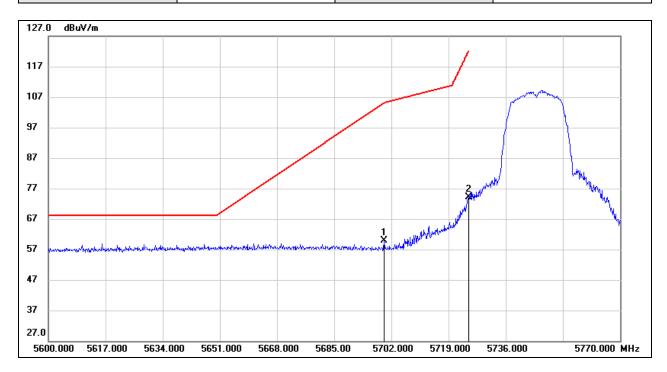


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5725.000	21.37	41.27	62.64	68.20	-5.56	peak
2	5726.420	22.47	41.27	63.74	68.20	-4.46	peak





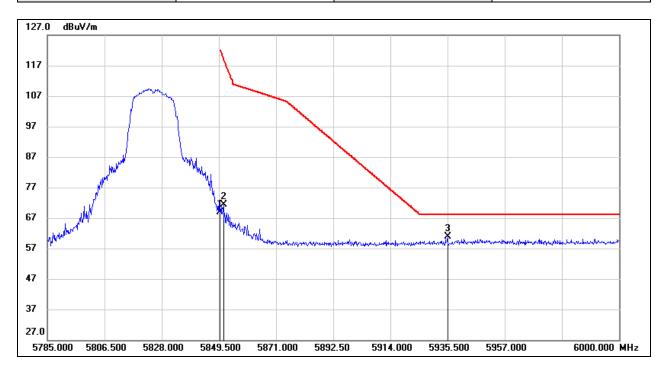
Test Mode:	802.11a 20 Peak	Channel:	5745 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



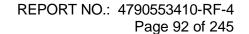
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5699.790	18.66	41.20	59.86	105.05	-45.19	peak
2	5725.000	32.77	41.27	74.04	122.20	-48.16	peak



Test Mode:	802.11a 20 Peak	Channel:	5825 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V

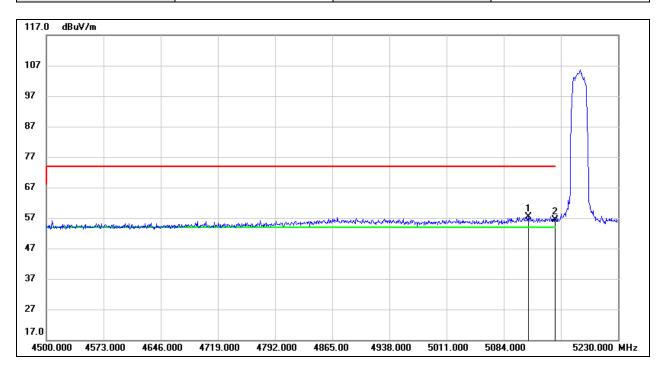


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5850.000	27.31	41.60	68.91	122.20	-53.29	peak
2	5851.220	29.83	41.60	71.43	119.42	-47.99	peak
3	5935.500	18.94	41.83	60.77	68.20	-7.43	peak

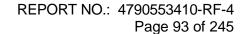




Test Mode: 802.11n HT20 Peak Channel: 5180 MHz
Polarity: Horizontal Test Voltage: DC 3.3 V

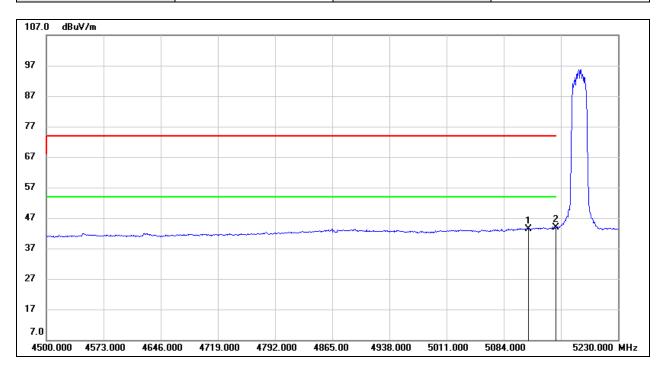


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5115.390	17.09	40.24	57.33	74.00	-16.67	peak
2	5150.000	16.03	40.27	56.30	74.00	-17.70	peak





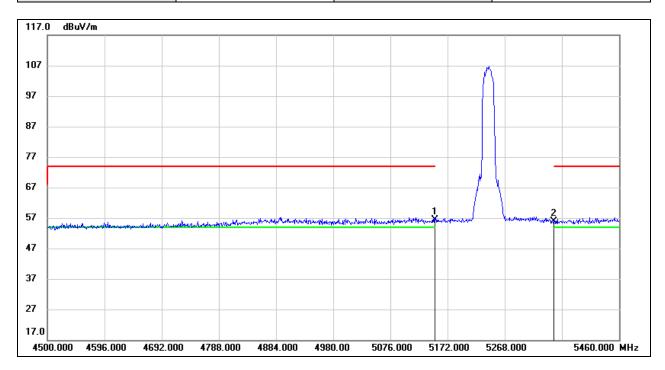
Test Mode: 802.11n HT20 Average Channel: 5180 MHz
Polarity: Horizontal Test Voltage: DC 3.3 V



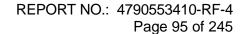
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5115.390	3.17	40.24	43.41	54.00	-10.59	AVG
2	5150.000	3.50	40.27	43.77	54.00	-10.23	AVG



Test Mode:	802.11n HT20 Peak	Channel:	5240 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V

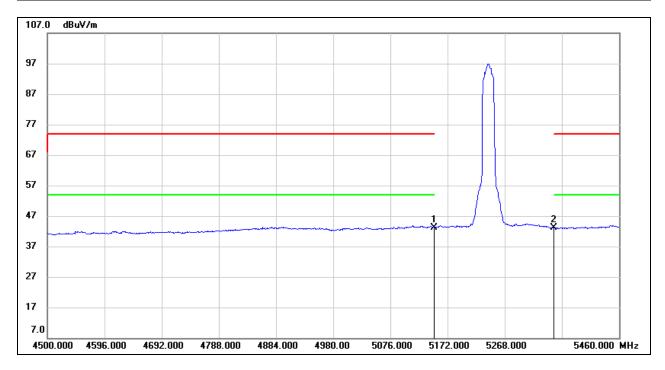


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	16.03	40.27	56.30	74.00	-17.70	peak
2	5350.000	15.38	40.49	55.87	74.00	-18.13	peak

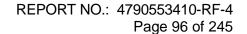




Test Mode: 802.11n HT20 Average Channel: 5240 MHz
Polarity: Horizontal Test Voltage: DC 3.3 V

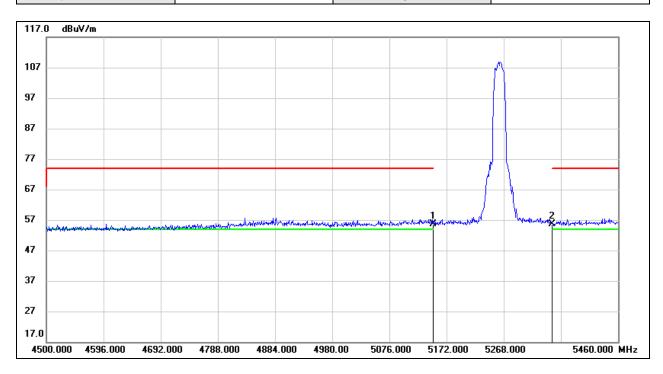


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	2.88	40.27	43.15	54.00	-10.85	AVG
2	5350.000	2.71	40.49	43.20	54.00	-10.80	AVG

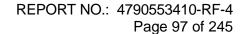




Test Mode: 802.11n HT20 Peak Channel: 5260 MHz
Polarity: Horizontal Test Voltage: DC 3.3 V

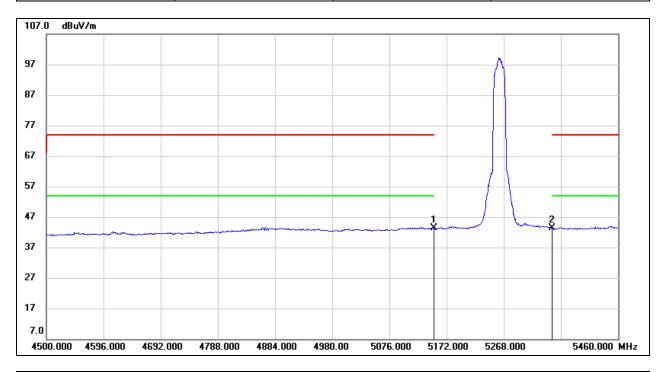


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	15.41	40.27	55.68	74.00	-18.32	peak
2	5350.000	15.17	40.49	55.66	74.00	-18.34	peak

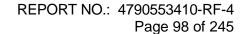




Test Mode: 802.11n HT20 Average Channel: 5260 MHz
Polarity: Horizontal Test Voltage: DC 3.3 V

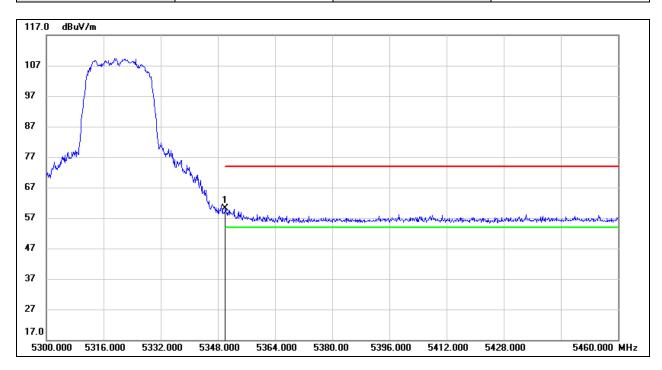


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	2.99	40.27	43.26	54.00	-10.74	AVG
2	5350.000	2.88	40.49	43.37	54.00	-10.63	AVG

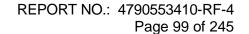




Test Mode: 802.11n HT20 Peak Channel: 5320 MHz
Polarity: Horizontal Test Voltage: DC 3.3 V

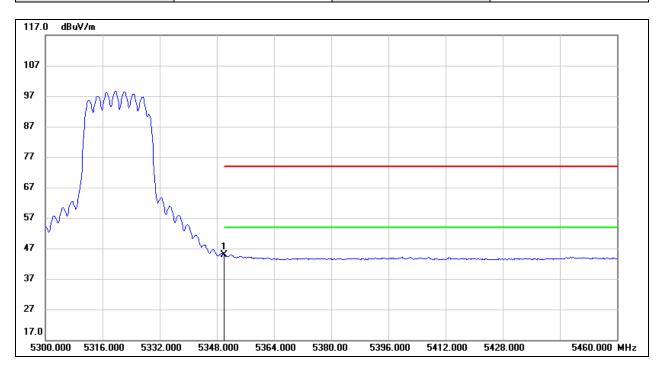


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5350.000	19.61	40.49	60.10	74.00	-13.90	peak

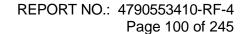




Test Mode: 802.11n HT20 Average Channel: 5320 MHz
Polarity: Horizontal Test Voltage: DC 3.3 V

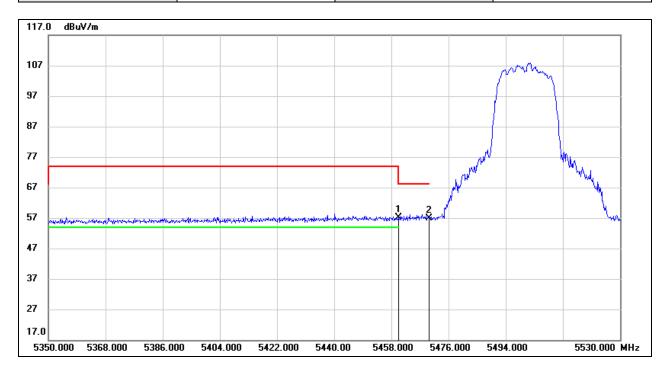


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5350.000	4.35	40.49	44.84	54.00	-9.16	AVG

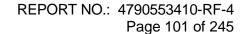




Test Mode:	802.11n HT20 Peak	Channel:	5500 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V

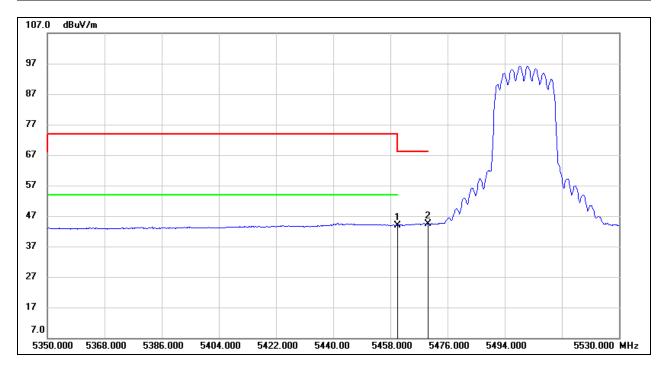


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5460.000	16.43	40.62	57.05	68.20	-11.15	peak
2	5470.000	16.19	40.63	56.82	68.20	-11.38	peak

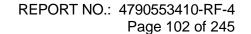




Test Mode:	802.11n HT20 Average	Channel:	5500 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V

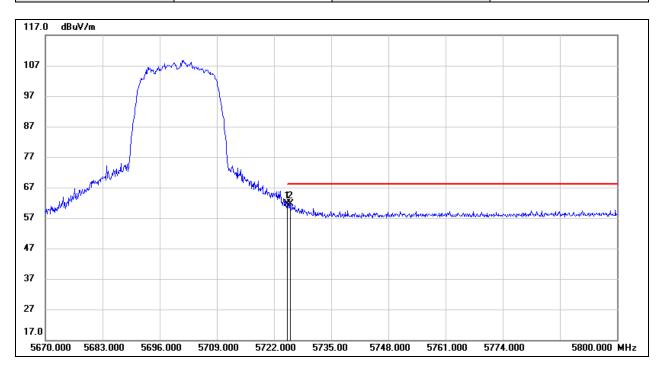


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5460.000	3.28	40.62	43.90	54.00	-10.10	AVG
2	5470.000	3.76	40.63	44.39	54.00	-9.61	AVG

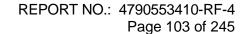




Test Mode: 802.11n HT20 Peak Channel: 5700 MHz
Polarity: Horizontal Test Voltage: DC 3.3 V

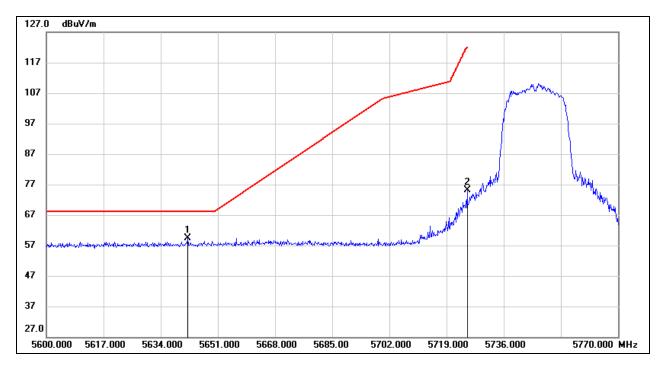


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5725.000	20.24	41.27	61.51	68.20	-6.69	peak
2	5725.640	20.48	41.27	61.75	68.20	-6.45	peak

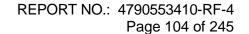




Test Mode:	802.11n HT20 Peak	Channel:	5745 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V

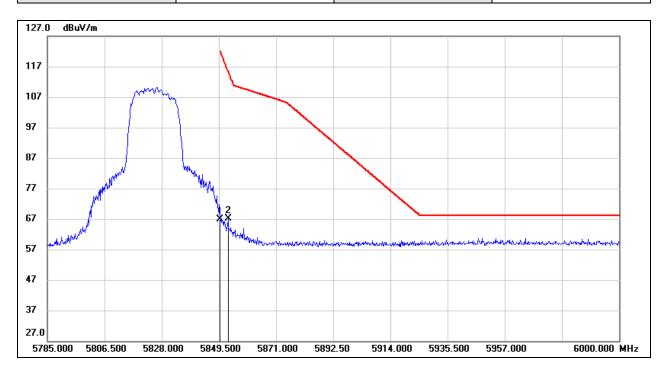


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5641.990	18.35	41.04	59.39	68.20	-8.81	peak
2	5725.000	33.91	41.27	75.18	122.20	-47.02	peak

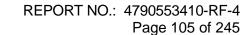




Test Mode: 802.11n HT20 Peak Channel: 5825 MHz
Polarity: Horizontal Test Voltage: DC 3.3 V

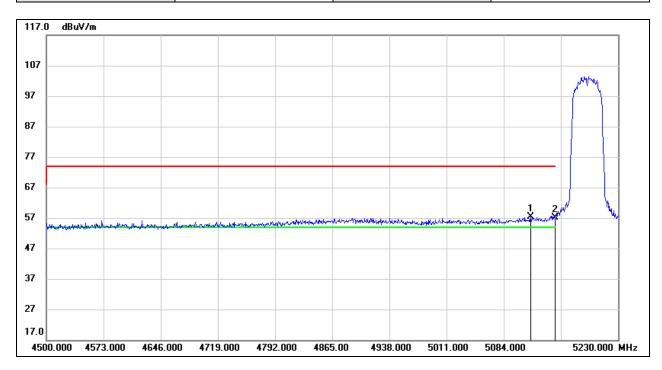


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5850.000	25.33	41.60	66.93	122.20	-55.27	peak
2	5852.940	25.57	41.60	67.17	115.50	-48.33	peak





Test Mode: 802.11n HT40 Peak Channel: 5190 MHz
Polarity: Horizontal Test Voltage: DC 3.3 V

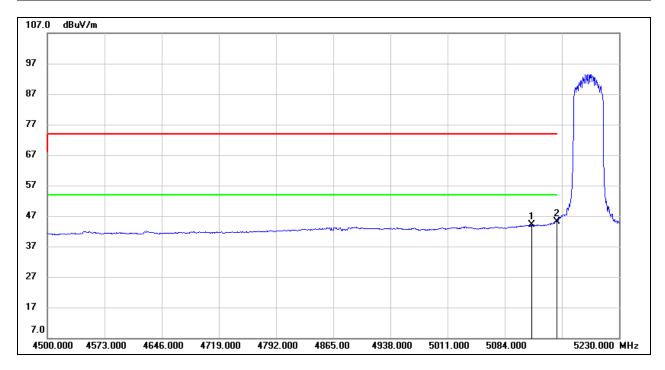


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5118.310	17.20	40.24	57.44	74.00	-16.56	peak
2	5150.000	16.98	40.27	57.25	74.00	-16.75	peak

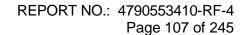




Test Mode:	802.11n HT40 Average	Channel:	5190 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V

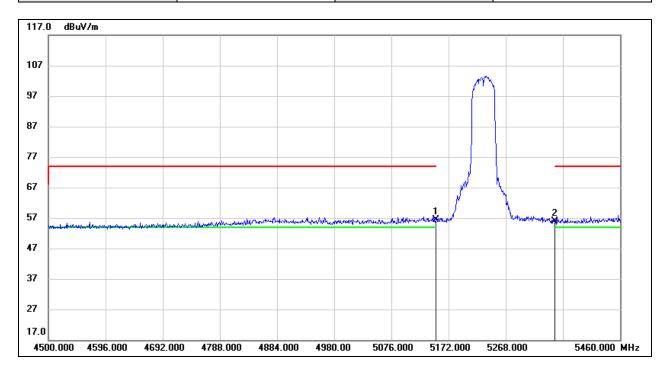


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5118.310	3.77	40.24	44.01	54.00	-9.99	AVG
2	5150.000	4.89	40.27	45.16	54.00	-8.84	AVG

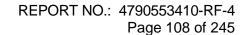




Test Mode:	802.11n HT40 Peak	Channel:	5230 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V

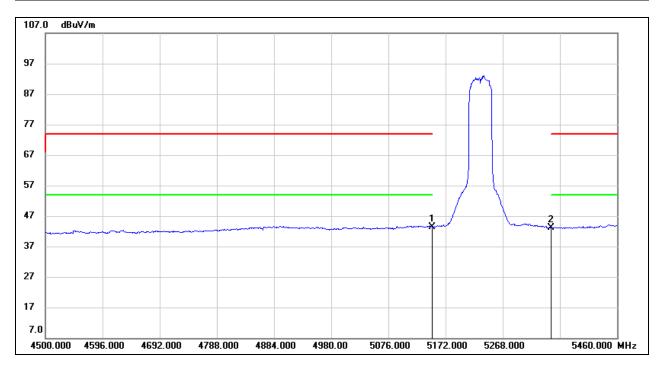


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	16.01	40.27	56.28	74.00	-17.72	peak
2	5350.000	15.40	40.49	55.89	74.00	-18.11	peak

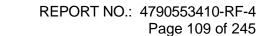




Test Mode:	802.11n HT40 Average	Channel:	5230 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V

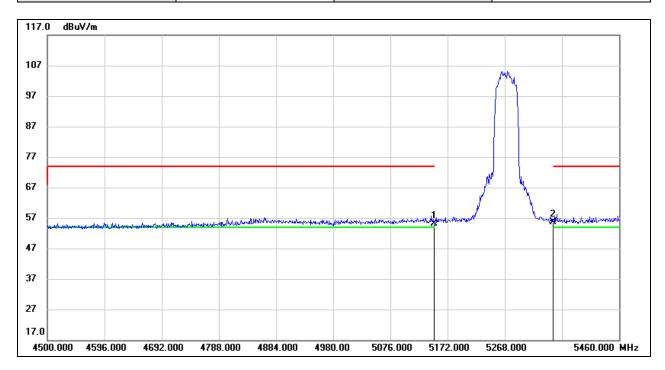


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	3.14	40.27	43.41	54.00	-10.59	AVG
2	5350.000	2.57	40.49	43.06	54.00	-10.94	AVG

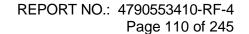




Test Mode: 802.11n HT40 Peak Channel: 5270 MHz
Polarity: Horizontal Test Voltage: DC 3.3 V

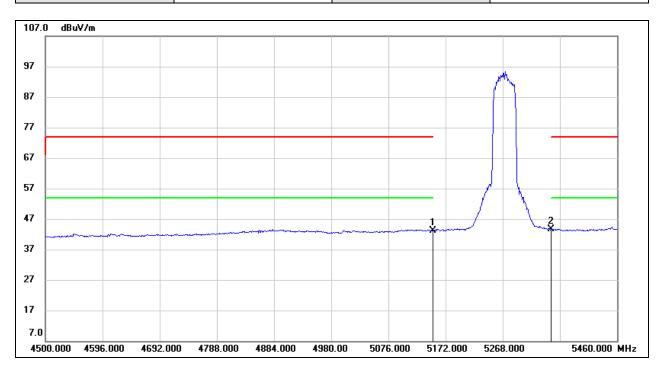


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	14.97	40.27	55.24	74.00	-18.76	peak
2	5350.000	15.11	40.49	55.60	74.00	-18.40	peak

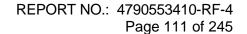




Test Mode: 802.11n HT40 Average Channel: 5270 MHz
Polarity: Horizontal Test Voltage: DC 3.3 V

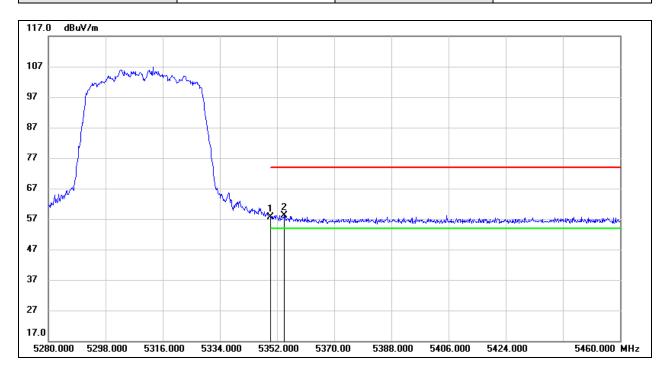


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	2.91	40.27	43.18	54.00	-10.82	AVG
2	5350.000	3.02	40.49	43.51	54.00	-10.49	AVG

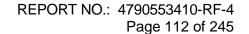




Test Mode: 802.11n HT40 Peak Channel: 5310 MHz
Polarity: Horizontal Test Voltage: DC 3.3 V

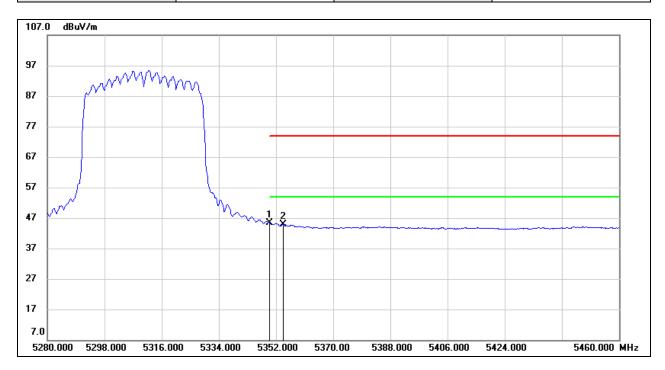


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5350.000	17.16	40.49	57.65	74.00	-16.35	peak
2	5354.160	17.73	40.50	58.23	74.00	-15.77	peak

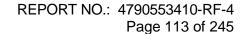




Test Mode: 802.11n HT40 Average Channel: 5310 MHz
Polarity: Horizontal Test Voltage: DC 3.3 V

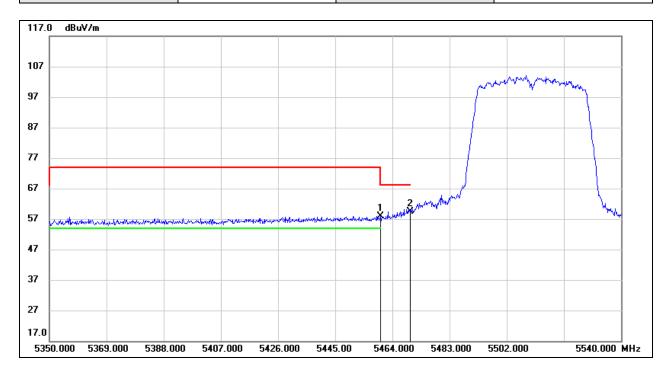


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5350.000	4.85	40.49	45.34	54.00	-8.66	AVG
2	5354.160	4.47	40.50	44.97	54.00	-9.03	AVG

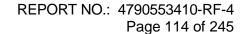




Test Mode:	802.11n HT40 Peak	Channel:	5510 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V

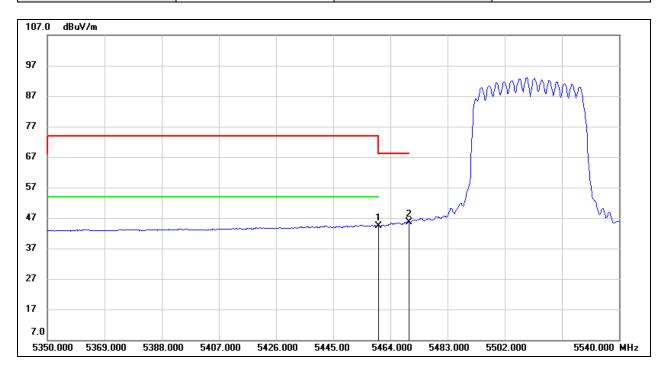


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5460.000	17.24	40.62	57.86	68.20	-10.34	peak
2	5470.000	18.79	40.63	59.42	68.20	-8.78	peak

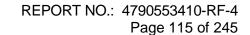




Test Mode:	802.11n HT40 Average	Channel:	5510 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V

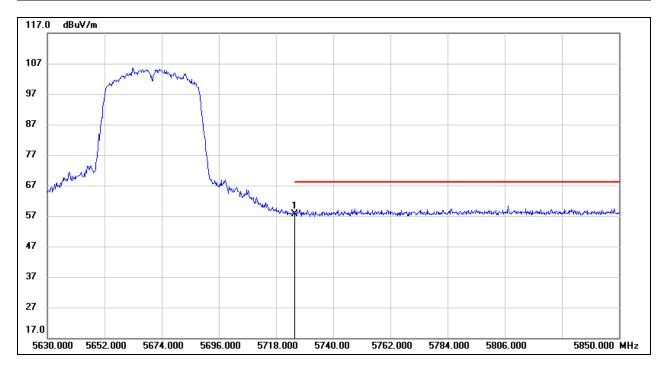


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5460.000	3.84	40.62	44.46	54.00	-9.54	AVG
2	5470.000	4.95	40.63	45.58	54.00	-8.42	AVG

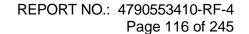




Test Mode:	802.11n HT40 Peak	Channel:	5670 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V

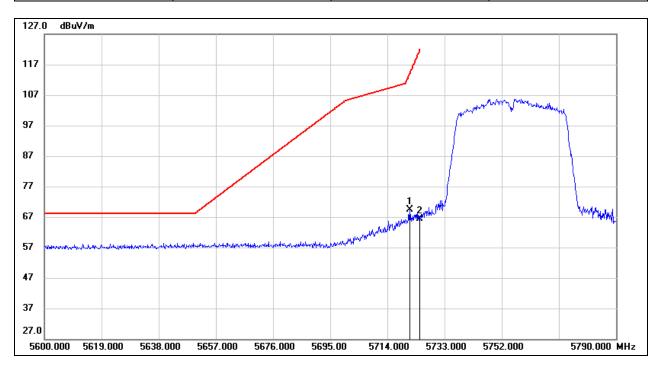


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5725.000	16.32	41.27	57.59	68.20	-10.61	peak

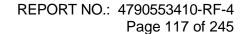




Test Mode:	802.11n HT40 Peak	Channel:	5755 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V

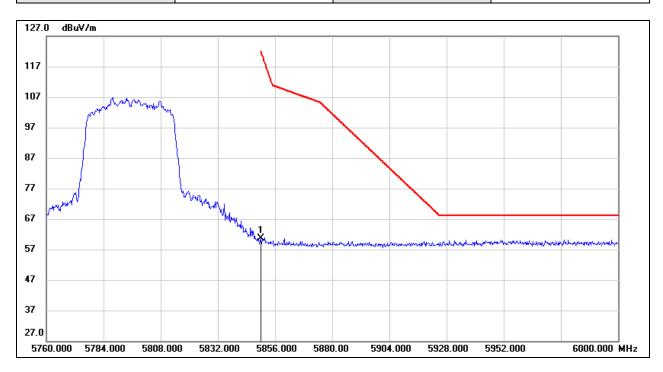


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5721.410	28.03	41.25	69.28	114.02	-44.74	peak
2	5725.000	25.16	41.27	66.43	122.20	-55.77	peak

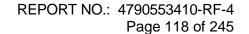




Test Mode: 802.11n HT40 Peak Channel: 5795 MHz
Polarity: Horizontal Test Voltage: DC 3.3 V

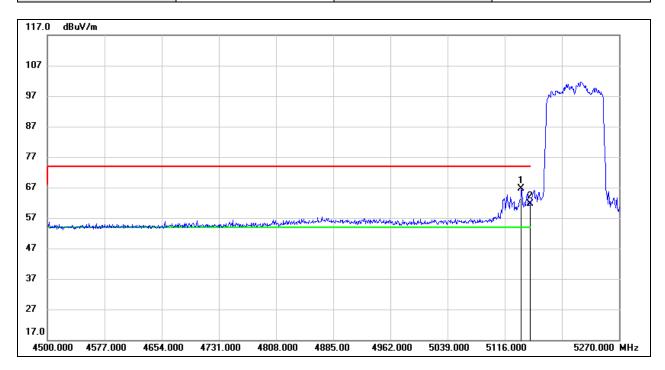


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5850.000	18.95	41.60	60.55	122.20	-61.65	peak





Test Mode: 802.11ac VHT80 Peak Channel: 5210 MHz
Polarity: Horizontal Test Voltage: DC 3.3 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5138.330	26.29	40.27	66.56	74.00	-7.44	peak
2	5150.000	21.48	40.27	61.75	74.00	-12.25	peak