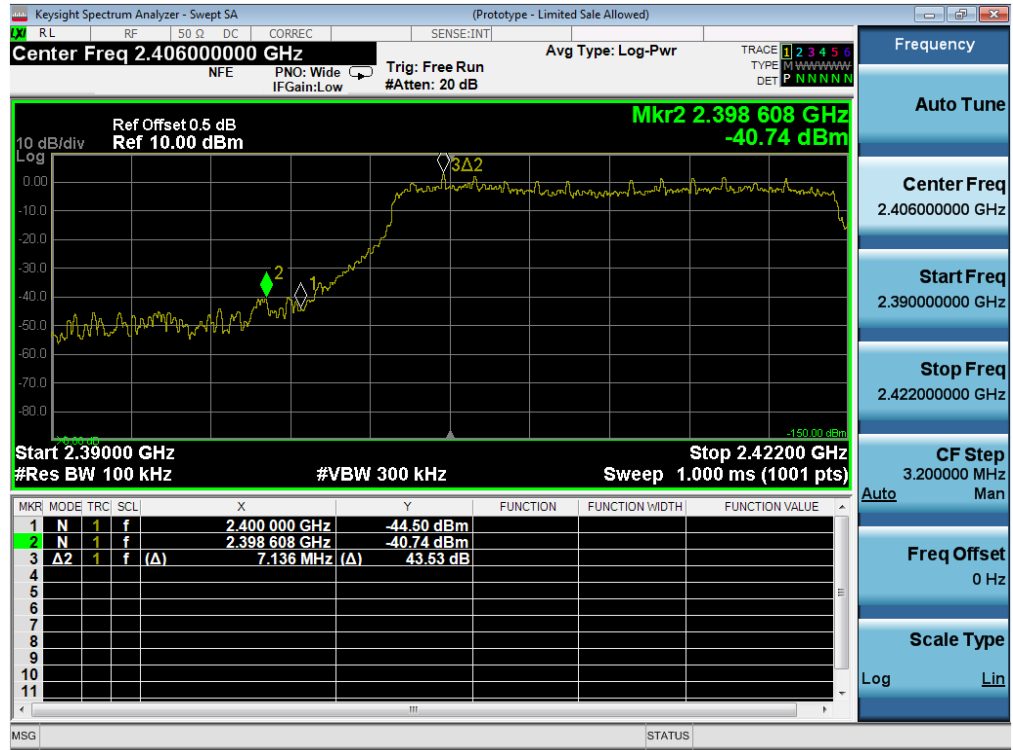


Conducted Bandedge Delta, 2422 MHz, HT/VHT40, M0 to M15





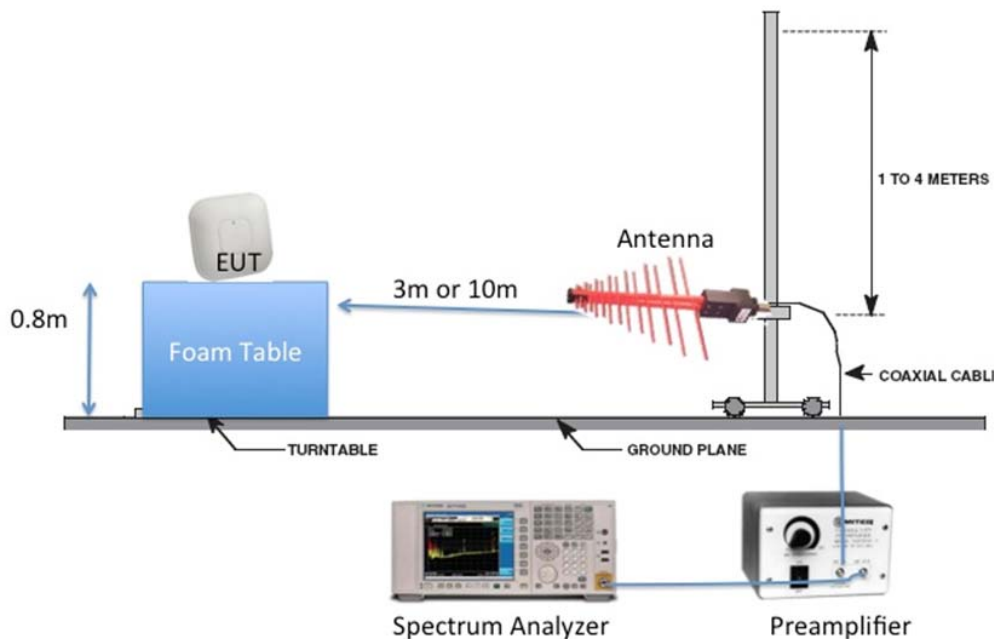
Title: Physical Test Arrangement Photograph

This is a dual band 2.4GHz / 5GHz device. All ports in this test set up photo are connected as all testing is automated. Section 2.6 of this test report given an overview of the different Tx antenna combinations used by this device.

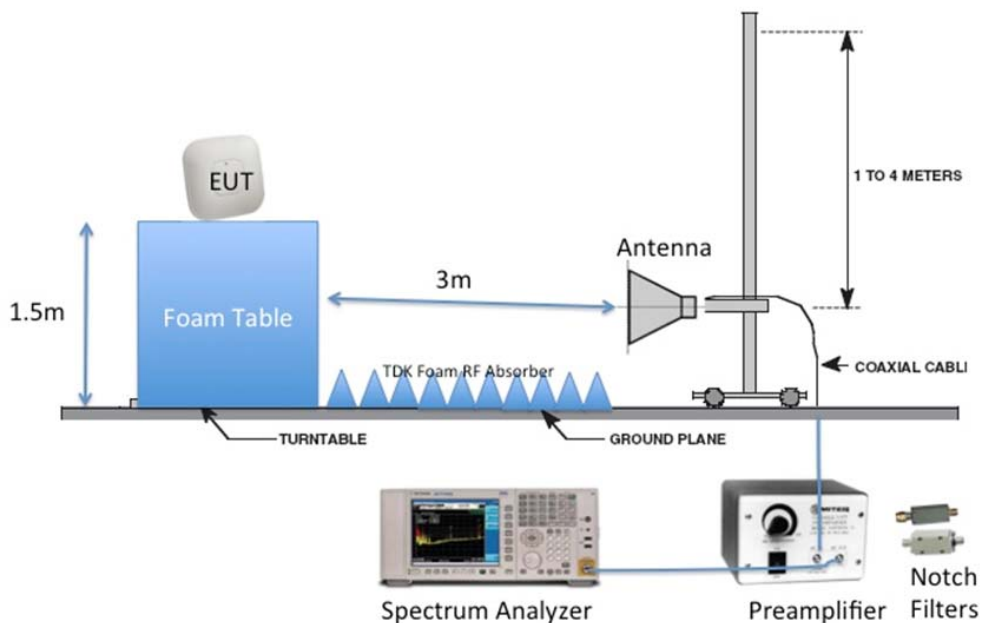
Appendix B: Emission Test Results

Testing Laboratory: Cisco Systems, Inc., 125 West Tasman Drive, San Jose, CA 95134, USA

Radiated Emission Setup Diagram-Below 1G



Radiated Emission Setup Diagram-Above 1G





B.1 Radiated Spurious Emissions

15.205 / RSS-Gen / LP0002:3.10.1(5)/2.8 Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) and RSS-Gen 8.10, must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)) and RSS-Gen 8.9.

Ref. ANSI C63.10: 2013 section 4.1.4.2.2, 4.1.4.2.3, 6.6.4 & 11.12.2

Using Vasona, configure the spectrum analyzer as shown below (be sure to enter all losses between the transmitter output and the spectrum analyzer). Place the radio in continuous transmit mode.

Span:	1GHz – 18 GHz
Reference Level:	80 dBuV
Attenuation:	10 dB
Sweep Time:	Coupled
Resolution Bandwidth:	1MHz
Video Bandwidth:	3 MHz for peak, 1 KHz for average
Detector:	Peak

Terminate the access Point RF ports with 50 ohm loads.

Maximize Turntable (find worst case table angle), Maximize Antenna (find worst case height)

Save 2 plots: 1) Average plot, Limit= 54dBuV/m @3m
 2) Peak plot, Limit = 74dBuV/m @3m

Place a marker at the end of the restricted band closest to the transmit frequency to show compliance.
 Also measure any emissions in the restricted bands.

This report represents the worst case data for all supported operating modes and antennas. There are no measurable emissions above 18 GHz.

System Number	Description	Samples	System under test	Support equipment
2	EUT	S03	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Support	S04	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Tested By : Jose Aguirre	Date of testing: 25-April-16 - 08-Aug-16
Test Result : PASS	

See Appendix C for list of test equipment

B.1.A Transmitter Radiated Spurious Emissions-Average Worst Case

Frequency (MHz)	Mode	Data Rate (Mbps)	Spurious Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (MHz)
2412	Non HT20, 6 to 54 Mbps	1	50.4	54.0	3.6
2412	Non HT20, 6 to 54 Mbps	6	50.1	54.0	3.9
2412	HT/VHT20, M0 to M23	m0	49.9	54.0	4.1
2422	Non HT40, 6 to 54 Mbps	6	50.4	54.0	3.6
2422	HT/VHT40, M0 to M23	m0	50.4	54.0	3.6
2437	Non HT20, 6 to 54 Mbps	1	50.4	54.0	3.6
2437	Non HT20, 6 to 54 Mbps	6	50.2	54.0	3.8
2437	HT/VHT20, M0 to M23	m0	50.0	54.0	4.0
2442	Non HT40, 6 to 54 Mbps	6	50.4	54.0	3.6
2442	HT/VHT40, M0 to M23	m0	50.3	54.0	3.7
2452	Non HT40, 6 to 54 Mbps	6	50.1	54.0	3.9
2452	HT/VHT40, M0 to M23	m0	50.3	54.0	3.7
2462	Non HT20, 6 to 54 Mbps	1	50.5	54.0	3.5
2462	Non HT20, 6 to 54 Mbps	6	50.1	54.0	3.9
2462	HT/VHT20, M0 to M23	m0	50.6	54.0	3.4

Average Radiated Transmitter Spurs, 2412 MHz, CCK, 1 to 11 Mbps



Average Radiated Transmitter Spurs, 2412 MHz, Non HT20, 6 to 54 Mbps



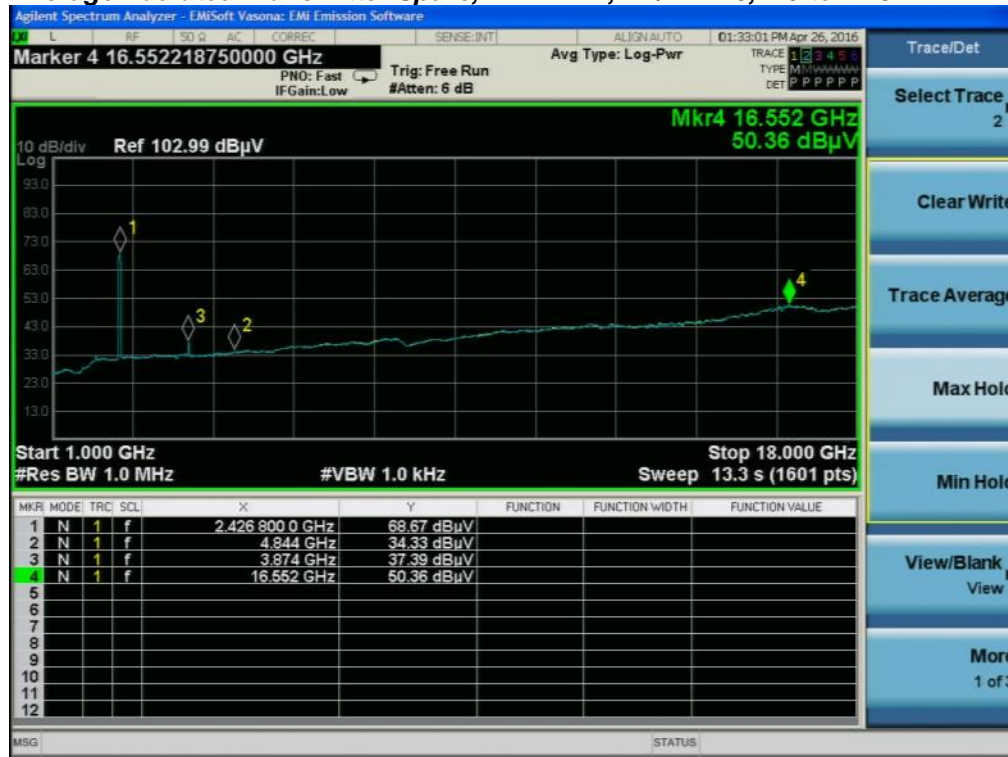
Average Radiated Transmitter Spurs, 2412 MHz, HT/VHT20, M0 to M23



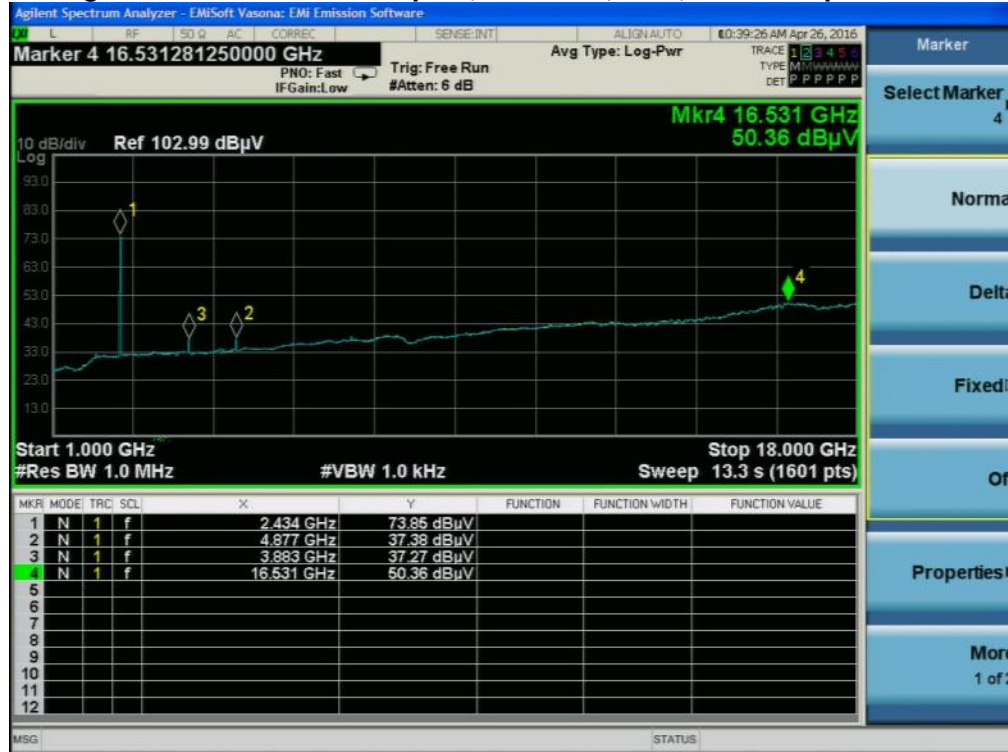
Average Radiated Transmitter Spurs, 2422 MHz, Non HT40, 6 to 54 Mbps



Average Radiated Transmitter Spurs, 2422 MHz, HT/VHT40, M0 to M23



Average Radiated Transmitter Spurs, 2437 MHz, CCK, 1 to 11 Mbps



Average Radiated Transmitter Spurs, 2437 MHz, Non HT20, 6 to 54 Mbps



Average Radiated Transmitter Spurs, 2437 MHz, HT/VHT20, M0 to M23



Average Radiated Transmitter Spurs, 2442 MHz, Non HT40, 6 to 54 Mbps



Average Radiated Transmitter Spurs, 2442 MHz, HT/VHT40, M0 to M23



Average Radiated Transmitter Spurs, 2452 MHz, Non HT40, 6 to 54 Mbps



Average Radiated Transmitter Spurs, 2452 MHz, HT/VHT40, M0 to M23



Average Radiated Transmitter Spurs, 2462 MHz, CCK, 1 to 11 Mbps



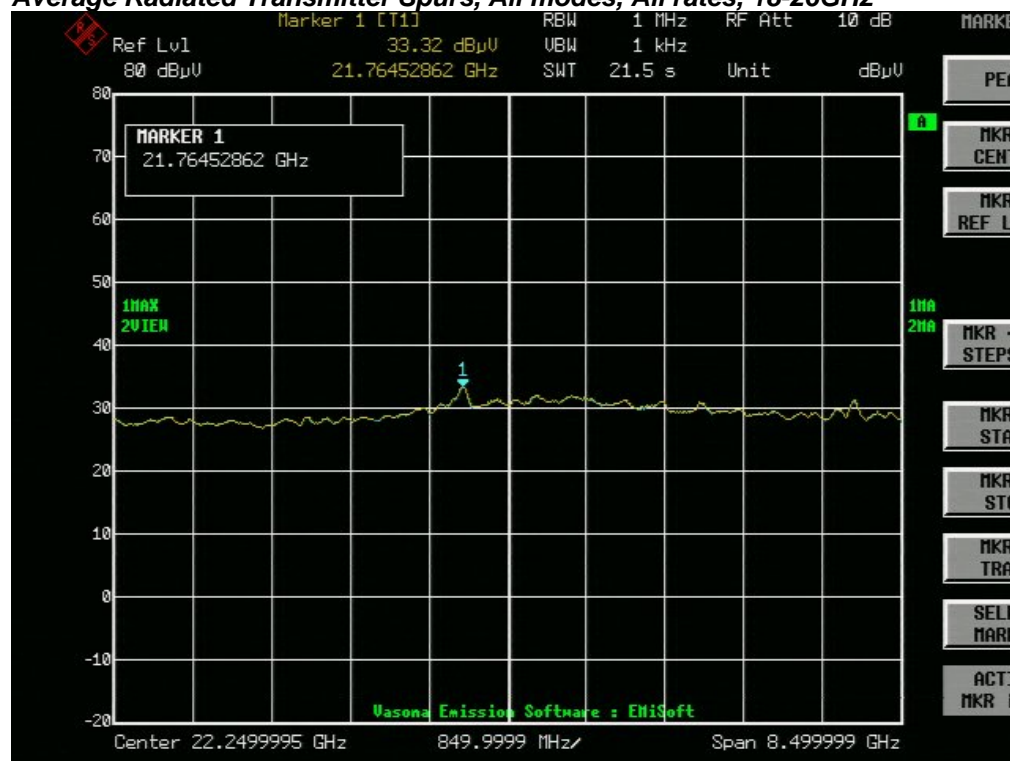
Average Radiated Transmitter Spurs, 2462 MHz, Non HT20, 6 to 54 Mbps



Average Radiated Transmitter Spurs, 2462 MHz, HT/VHT20, M0 to M23



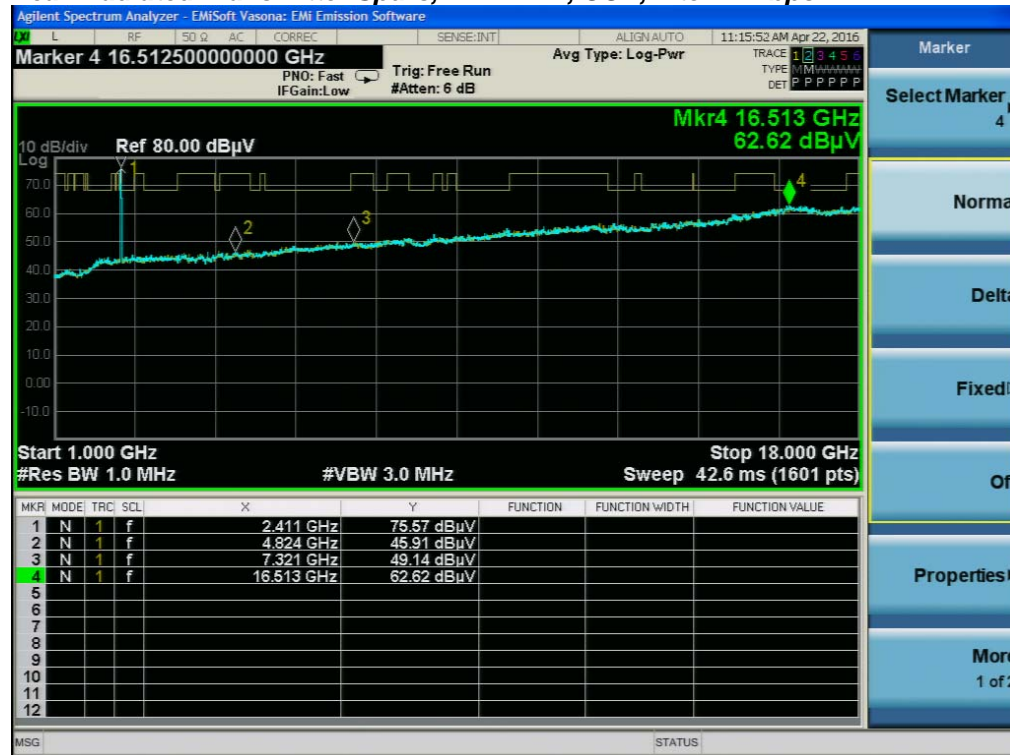
Average Radiated Transmitter Spurs, All modes, All rates, 18-26GHz



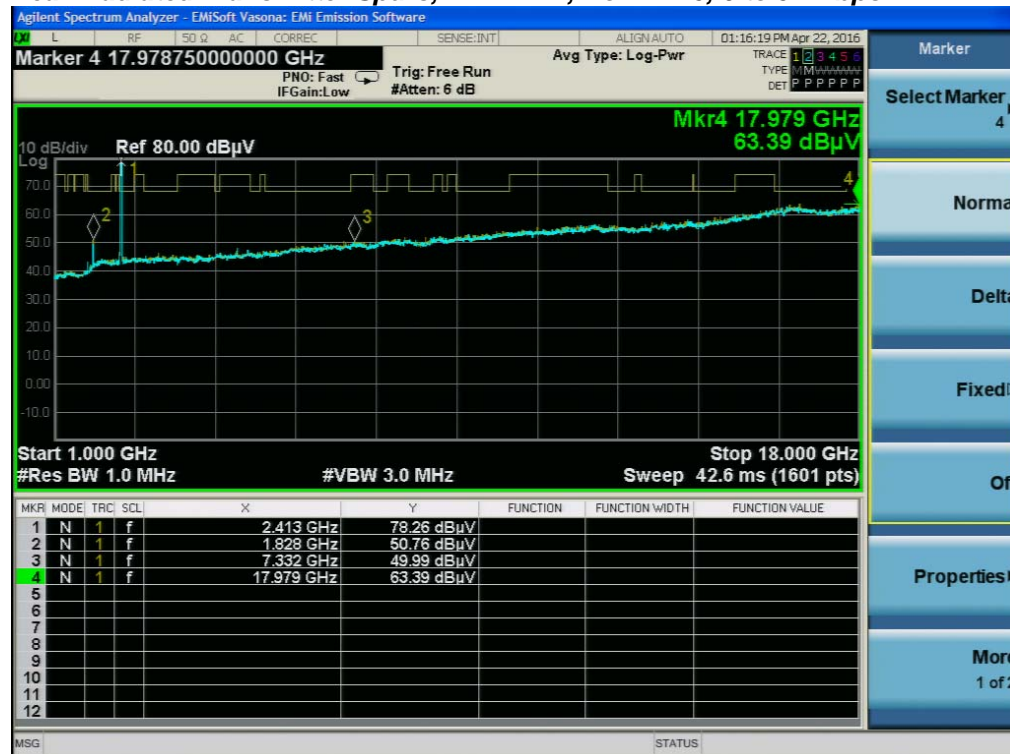
B.1.P Transmitter Radiated Spurious Emissions-Peak Worst Case

Frequency (MHz)	Mode	Data Rate (Mbps)	Spurious Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (MHz)
2412	Non HT20, 6 to 54 Mbps	1	62.2	74.0	11.8
2412	Non HT20, 6 to 54 Mbps	6	63.3	74.0	10.7
2412	HT/VHT20, M0 to M23	m0	63.3	74.0	10.7
2422	Non HT40, 6 to 54 Mbps	6	62.5	74.0	11.5
2422	HT/VHT40, M0 to M23	m0	62.3	74.0	11.7
2437	Non HT20, 6 to 54 Mbps	1	63.1	74.0	10.9
2437	Non HT20, 6 to 54 Mbps	6	61.6	74.0	12.4
2437	HT/VHT20, M0 to M23	m0	62.6	74.0	11.4
2442	Non HT40, 6 to 54 Mbps	6	63.3	74.0	10.7
2442	HT/VHT40, M0 to M23	m0	62.3	74.0	11.7
2452	Non HT40, 6 to 54 Mbps	6	62.8	74.0	11.2
2452	HT/VHT40, M0 to M23	m0	63.2	74.0	10.8
2462	Non HT20, 6 to 54 Mbps	1	63.0	74.0	11.0
2462	Non HT20, 6 to 54 Mbps	6	62.1	74.0	11.9
2462	HT/VHT20, M0 to M23	m0	62.3	74.0	11.7

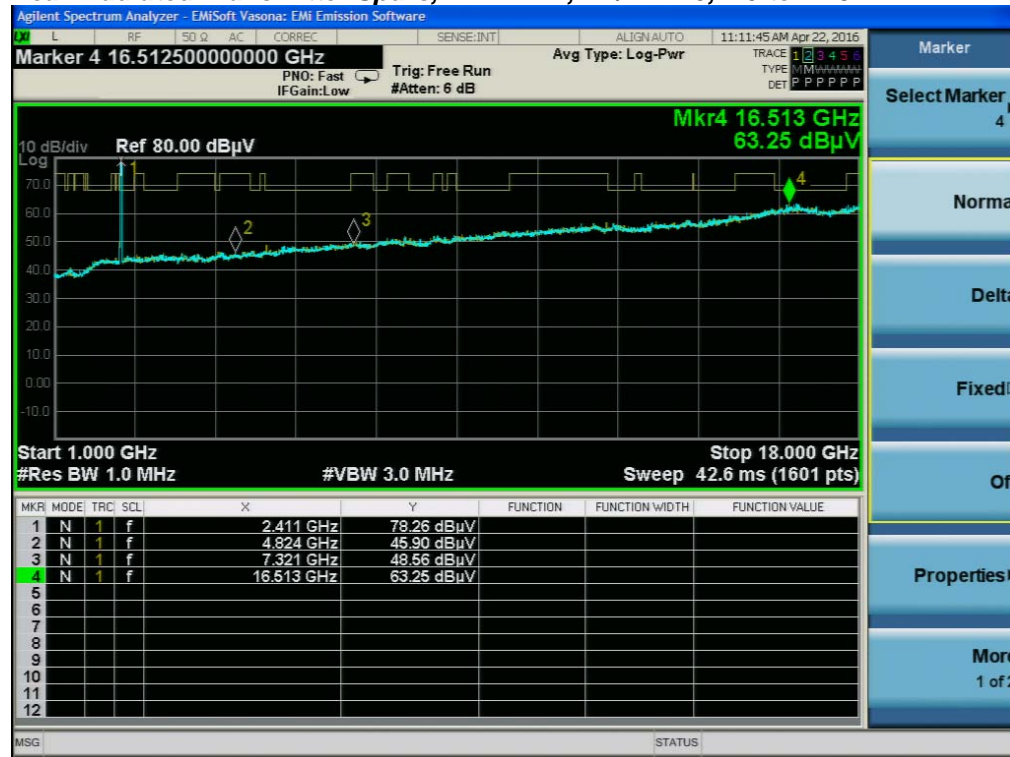
Peak Radiated Transmitter Spurs, 2412 MHz, CCK, 1 to 11 Mbps



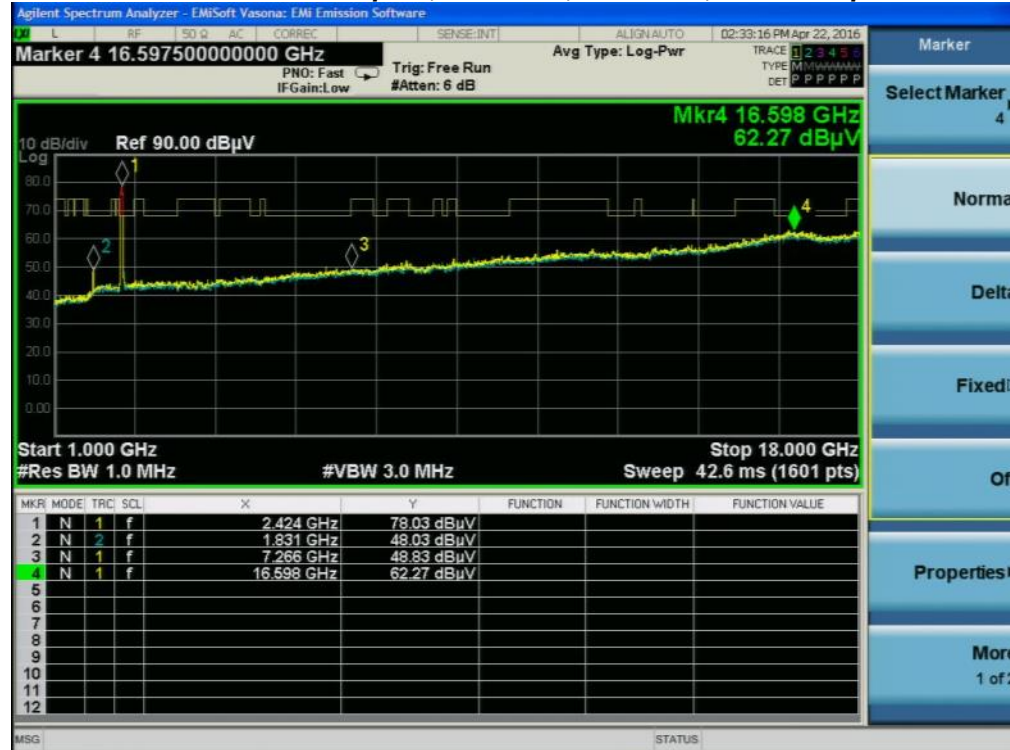
Peak Radiated Transmitter Spurs, 2412 MHz, Non HT20, 6 to 54 Mbps



Peak Radiated Transmitter Spurs, 2412 MHz, HT/VHT20, M0 to M23



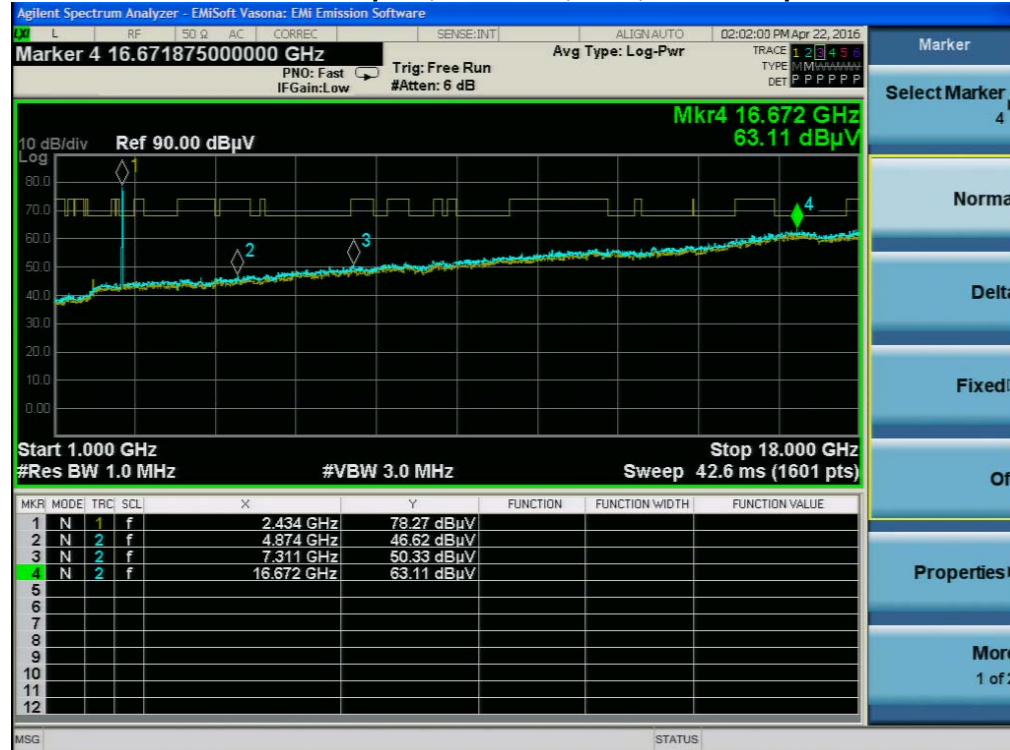
Peak Radiated Transmitter Spurs, 2422 MHz, Non HT40, 6 to 54 Mbps



Peak Radiated Transmitter Spurs, 2422 MHz, HT/VHT40, M0 to M23



Peak Radiated Transmitter Spurs, 2437 MHz, CCK, 1 to 11 Mbps



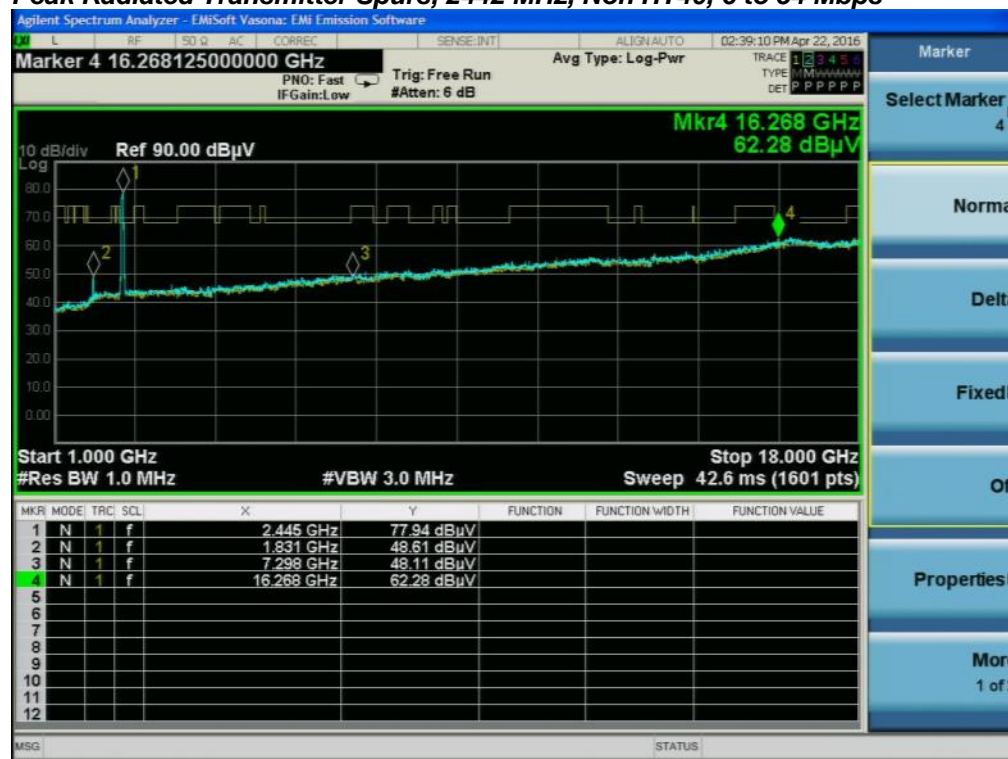
Peak Radiated Transmitter Spurs, 2437 MHz, Non HT20, 6 to 54 Mbps



Peak Radiated Transmitter Spurs, 2437 MHz, HT/VHT20, M0 to M23



Peak Radiated Transmitter Spurs, 2442 MHz, Non HT40, 6 to 54 Mbps



Peak Radiated Transmitter Spurs, 2442 MHz, HT/VHT40, M0 to M23



Peak Radiated Transmitter Spurs, 2452 MHz, Non HT40, 6 to 54 Mbps



Peak Radiated Transmitter Spurs, 2452 MHz, HT/VHT40, M0 to M23



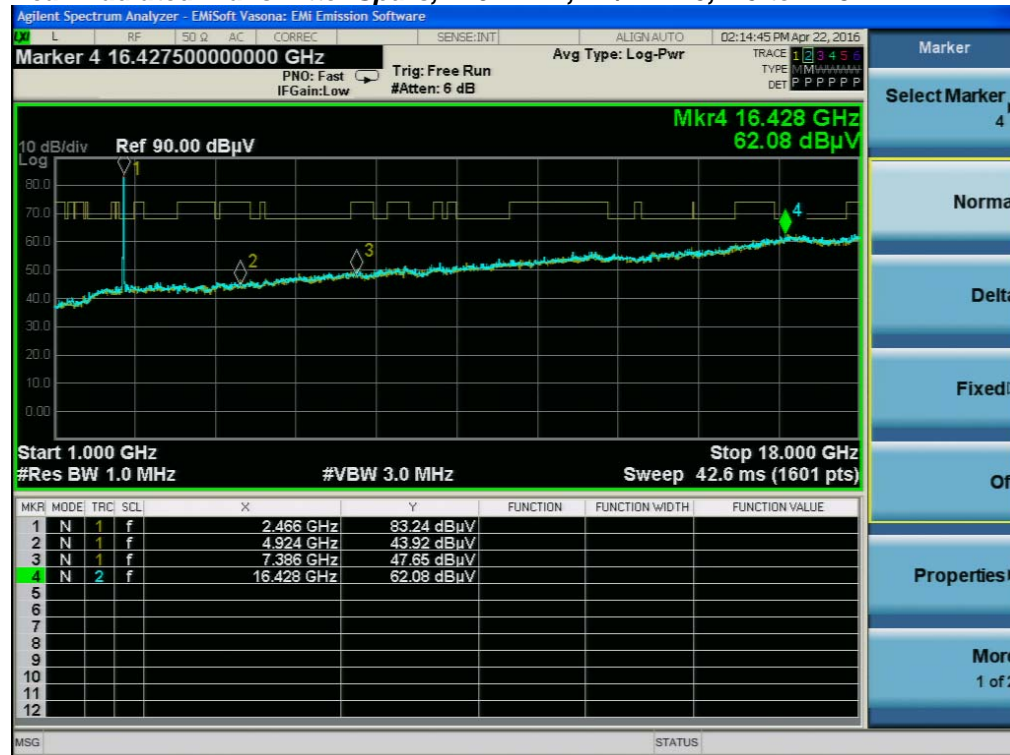
Peak Radiated Transmitter Spurs, 2462 MHz, CCK, 1 to 11 Mbps



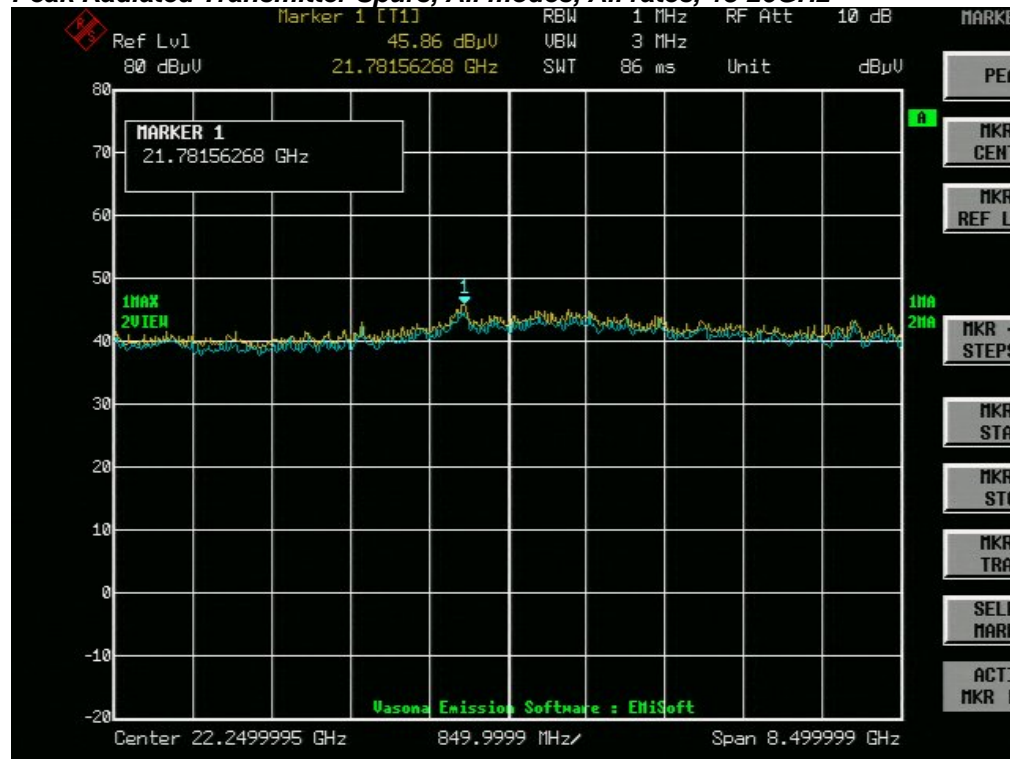
Peak Radiated Transmitter Spurs, 2462 MHz, Non HT20, 6 to 54 Mbps



Peak Radiated Transmitter Spurs, 2462 MHz, HT/VHT20, M0 to M23



Peak Radiated Transmitter Spurs, All modes, All rates, 18-26GHz





B.2 Receiver Spurious Emissions

RSS-Gen Receivers are required to comply with the limits of spurious emissions as set out in this section. Receiver emission measurements are to be performed as per the normative test method referenced in Section 3.

Radiated emissions which fall in the restricted bands, as defined in RSS-Gen section 8.10, must also comply with the radiated emission limits specified in RSS-Gen section 8.9.

For emissions at frequencies below 1 GHz, measurements shall be performed using a CISPR quasi-peak detector and the related measurement bandwidth. At frequencies above 1 GHz, measurements shall be performed using a linear average detector with a minimum resolution bandwidth of 1 MHz.

Ref. RSS-Gen section 8.9 & 8.10
ANSI C63.10: 2013 section 4.1.4.2.2, 4.1.4.2.3, 6.6.4 & 11.12.2

Using Vasona, configure the spectrum analyzer as shown below (be sure to enter all losses between the transmitter output and the spectrum analyzer). Place the radio in continuous transmit mode.

Span:	1GHz – 18 GHz
Reference Level:	80 dBuV
Attenuation:	10 dB
Sweep Time:	Coupled
Resolution Bandwidth:	1MHz
Video Bandwidth:	3MHz for Peak, 1 kHz for average
Detector:	Peak

Radiated emission measurements shall be performed with the receiver antenna connected to the receiver antenna terminals.

Maximize Turntable (find worst case table angle), Maximize Antenna (find worst case height)

Save plot: 1) Average Plot (Vertical and Horizontal), Limit= 54dBuV/m @3m
2) Peak Plot (Vertical and Horizontal), Limit= 74dBuV/m @3m

This report represents the worst case data for all supported operating modes and antennas. There are no measurable emissions above 18 GHz.

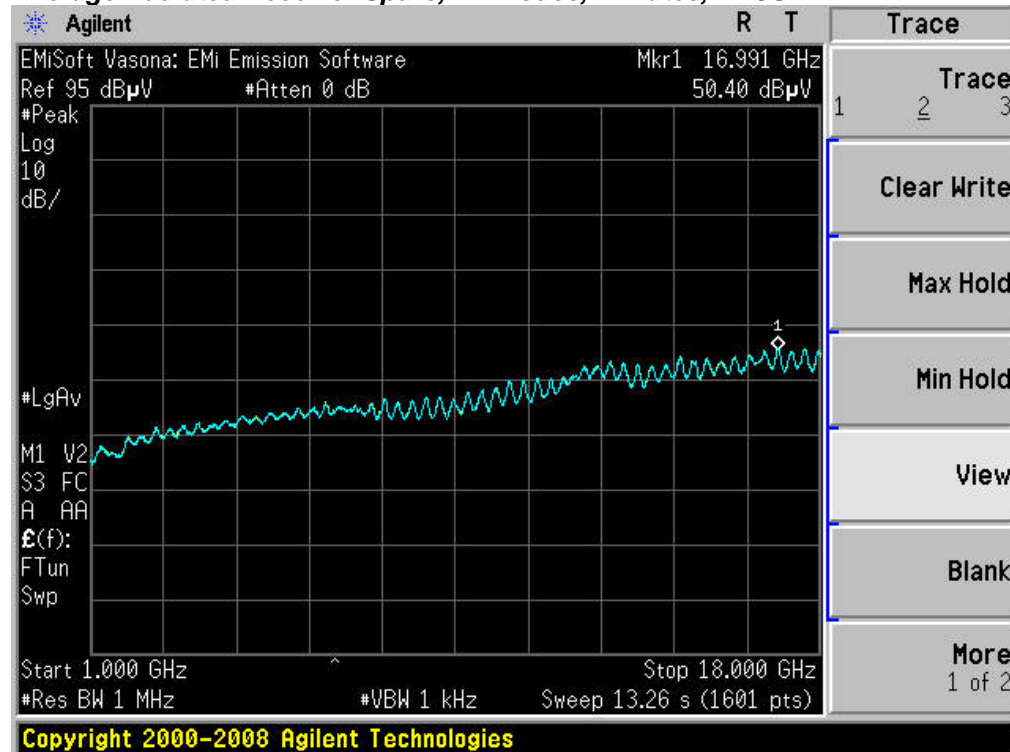
System Number	Description	Samples	System under test	Support equipment
2	EUT	S03	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Support	S04	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Tested By : Jose Aguirre	Date of testing: 25-April-16 - 08-Aug-16
Test Result : PASS	

See Appendix C for list of test equipment

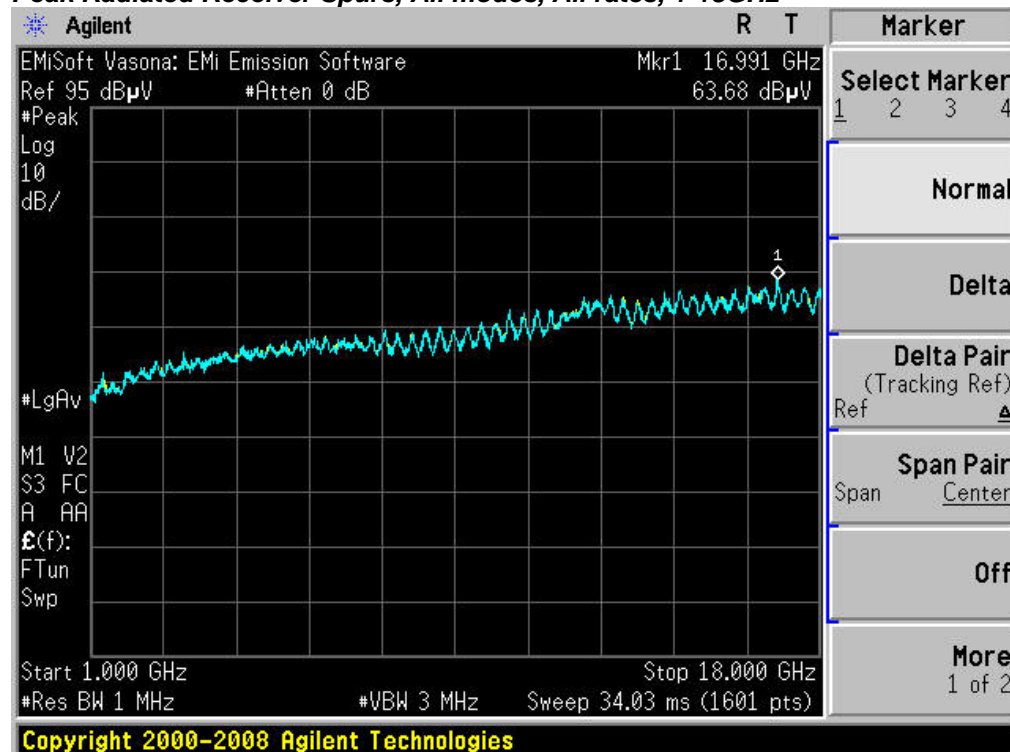
B.2.A Receiver Radiated Spurious Emissions (Average Measurements)

Average Radiated Receiver Spurs, All modes, All rates, 1-18GHz



B.2.A Receiver Radiated Spurious Emissions (Peak Measurements)

Peak Radiated Receiver Spurs, All modes, All rates, 1-18GHz





B.3 Radiated Emissions 30MHz to 1GHz

15.205 / 15.209 / RSS-Gen / LP0002:3.10.1(5)/2.8 Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)) and RSS-Gen section 8.9.

Ref. ANSI C63.10: 2013 section 6.5

Using Vasona, configure the spectrum analyzer as shown below (be sure to enter all losses between the transmitter output and the spectrum analyzer). Place the radio in continuous transmit mode.

Span:	30MHz – 1GHz
Reference Level:	80 dBuV
Attenuation:	10 dB
Sweep Time:	Coupled
Resolution Bandwidth:	100kHz
Video Bandwidth:	300kHz
Detector:	Peak for Pre-scan, Quasi-Peak

Compliance shall be determined using CISPR quasi-peak detection; however, peak detection is permitted as an alternative to quasi-peak detection.

Terminate the access Point RF ports with 50 ohm loads.

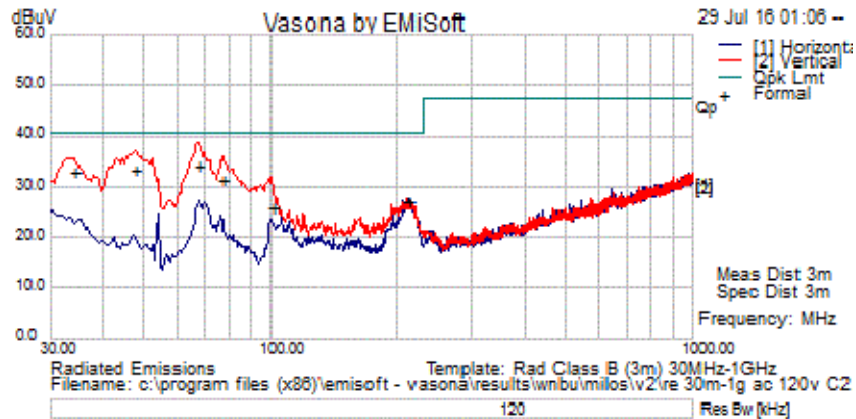
Maximize Turntable (find worst case table angle), Maximize Antenna (find worst case height)

This report represents the worst case data for all supported operating modes and antennas.

System Number	Description	Samples	System under test	Support equipment
2	EUT	S03	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Support	S04	<input type="checkbox"/>	<input checked="" type="checkbox"/>

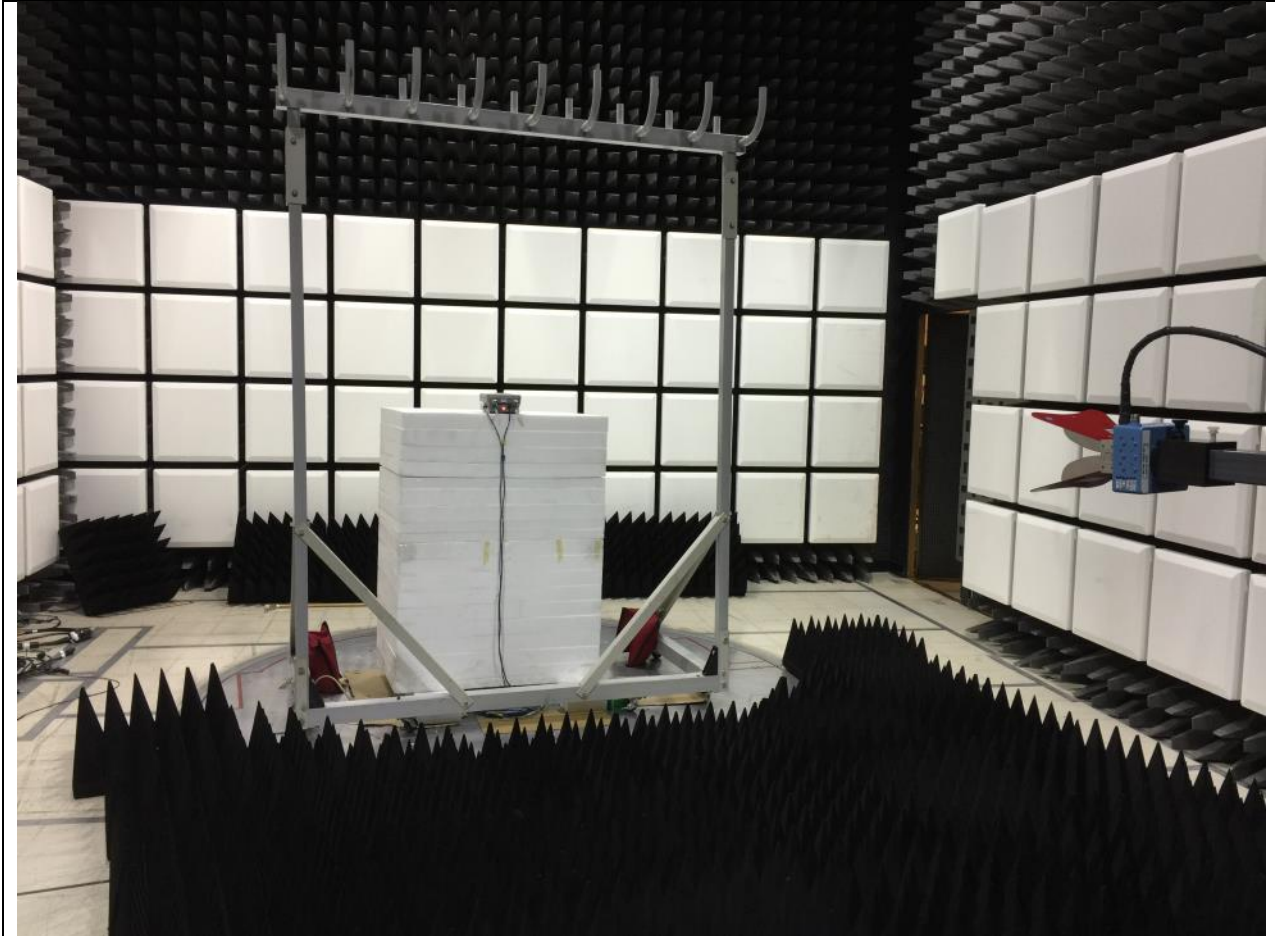
Tested By : Jose Aguirre	Date of testing: 25-April-16 - 08-Aug-16
Test Result : PASS	

See Appendix C for list of test equipment



Test Results Table

Frequency (MHz)	Raw (dBuV)	Cable Loss	AF (dB)	Level (dBuV/m)	Measurement Type	Pol	Hgt (cm)	Azt (Deg)	Limit (dBuV/m)	Margin (dB)	Pass/Fail	Comments
34.24375	14.29	0.69	17.95	32.93	Quasi Max	H	105	12	40.50	-7.57	Pass	
47.58125	24.03	0.80	8.83	33.66	Quasi Max	H	113	36	40.50	-6.84	Pass	
212.48125	14.97	1.77	10.50	27.24	Quasi Max	V	117	182	40.50	-13.26	Pass	
100.325	14.43	1.20	10.39	26.02	Quasi Max	H	233	244	40.50	-14.48	Pass	
66.98125	25.03	1.00	8.26	34.29	Quasi Max	H	113	292	40.50	-6.21	Pass	
76.68125	22.45	1.06	8.19	31.70	Quasi Max	H	128	344	40.50	-8.80	Pass	



Title: Radiated Emissions Configuration Photograph



B.4 AC Conducted Emissions

FCC 15.207 (a) & RSS-Gen 8.8 / LP0002:2.3 Except when the requirements applicable to a given device state otherwise, for any radio apparatus equipped to operate from the public utility AC power supply, either directly or indirectly (such as with a battery charger), the radio frequency voltage of emissions conducted back onto the AC power lines in the frequency range of 0.15 MHz to 30 MHz shall not exceed the limits shown in the table in these sections. The more stringent limit applies at the frequency range boundaries.

Measurement Procedure

Accordance with ANSI C63.10:2013 section 6.2

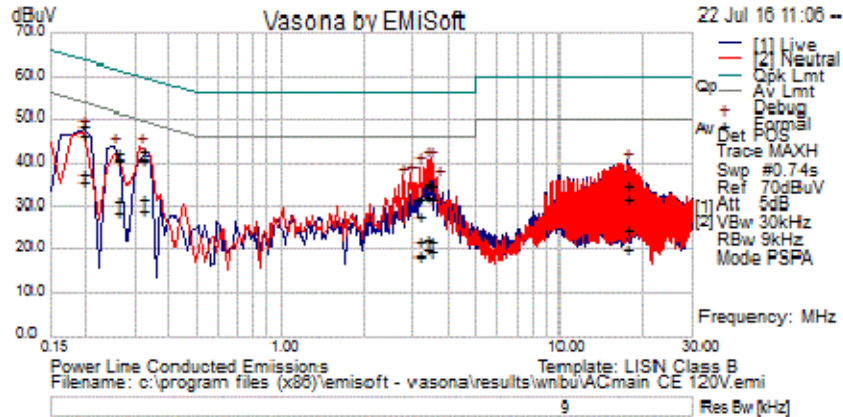
Using Vasona, configure the spectrum analyzer as shown below (be sure to enter all losses between the transmitter output and the spectrum analyzer). Place the radio in continuous transmit mode.

Span:	150 KHz – 30 MHz
Attenuation:	10 dB
Sweep Time:	Coupled
Resolution Bandwidth:	9 KHz
Video Bandwidth:	30 KHz
Detector:	Quasi-Peak / Average

System Number	Description	Samples	System under test	Support equipment
2	EUT	S03	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Support	S04	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Tested By : Jose Aguirre	Date of testing: 25-April-16 - 08-Aug-16
Test Result : PASS	

See separate EMC test report for test data.



Test Results Table

Frequency (MHz)	Raw (dBuV)	Cable Loss	Factors (dB)	Level (dBuV/m)	Measurement Type	Line	Limit (dBuV/m)	Margin (dB)	Pass/Fail	Comments
.318	22.63	20.28	0.04	42.96	Quasi Peak	Live	59.76	-16.80	Pass	
3.446	14.92	19.99	0.05	34.95	Quasi Peak	Live	56.00	-21.05	Pass	
3.135	11.83	19.98	0.06	31.86	Quasi Peak	Live	56.00	-24.14	Pass	
.195	27.83	20.78	0.05	48.66	Quasi Peak	Live	63.82	-15.16	Pass	
17.358	14.25	20.33	0.19	34.77	Quasi Peak	Live	60.00	-25.23	Pass	
3.350	15.24	19.98	0.05	35.27	Quasi Peak	Live	56.00	-20.73	Pass	
.261	21.84	20.48	0.04	42.36	Quasi Peak	Live	61.40	-19.04	Pass	
3.446	11.71	19.99	0.05	31.75	Quasi Peak	Neutral	56.00	-24.25	Pass	
.195	25.78	20.78	0.05	46.61	Quasi Peak	Neutral	63.82	-17.21	Pass	
3.350	11.97	19.98	0.05	32.01	Quasi Peak	Neutral	56.00	-23.99	Pass	
3.135	8.12	19.98	0.06	28.16	Quasi Peak	Neutral	56.00	-27.84	Pass	
.261	20.21	20.48	0.04	40.73	Quasi Peak	Neutral	61.40	-20.67	Pass	
17.358	4.23	20.33	0.19	24.75	Quasi Peak	Neutral	60.00	-35.25	Pass	
.318	20.63	20.28	0.04	40.95	Quasi Peak	Neutral	59.76	-18.81	Pass	
.318	11.54	20.28	0.04	31.87	Average	Live	49.76	-17.89	Pass	
3.446	1.77	19.99	0.05	21.81	Average	Live	46.00	-24.19	Pass	
3.135	1.82	19.98	0.06	21.86	Average	Live	46.00	-24.14	Pass	
.195	17.05	20.78	0.05	37.87	Average	Live	53.82	-15.95	Pass	
17.358	11.08	20.33	0.19	31.59	Average	Live	50.00	-18.41	Pass	
3.350	2.45	19.98	0.05	22.49	Average	Live	46.00	-23.51	Pass	
.261	10.69	20.48	0.04	31.21	Average	Live	51.40	-20.19	Pass	
3.446	-0.15	19.99	0.05	19.89	Average	Neutral	46.00	-26.11	Pass	
.195	14.85	20.78	0.05	35.68	Average	Neutral	53.82	-18.14	Pass	
3.350	0.12	19.98	0.05	20.16	Average	Neutral	46.00	-25.84	Pass	
3.135	-1.39	19.98	0.06	18.64	Average	Neutral	46.00	-27.36	Pass	
.261	8.30	20.48	0.04	28.82	Average	Neutral	51.40	-22.58	Pass	



Frequency (MHz)	Raw (dBuV)	Cable Loss	Factors (dB)	Level (dBuV/m)	Measurement Type	Line	Limit (dBuV/m)	Margin (dB)	Pass/Fail	Comments
17.358	-0.50	20.33	0.19	20.02	Average	Neutral	50.00	-29.98	Pass	
.318	9.08	20.28	0.04	29.41	Average	Neutral	49.76	-20.35	Pass	



Title: Conducted Emissions Configuration Photograph

Appendix C: List of Test Equipment Used to perform the test

Test Equipment used for Radiated Emissions					
Equip#	Manufacturer/ Model	Description	Last Cal	Next Cal	Test Item
CIS051796	TTA1800-30-HG Miteq	SMA 18 GHz Pre-Amplifier	29-Sep-15	29-Sep-16	B.1, B.2
CIS035285	3117 ETS-Lindgren	Double Ridged Waveguide Horn Antenna	30-Sep-15	30-Sep-16	B.1, B.2
CIS008447	NSA 10m Chamber Cisco	NSA 10m Chamber	14-Oct-15	14-Oct-16	B.3
CIS045096	TH0118 Cisco	Mast Mount Preamplifier Array, 1-18GHz	4-Nov-15	4-Nov-16	B.1, B.2
CIS030652	JB1 Sunol Sciences	Combination Antenna, 30MHz-2GHz	4-Dec-15	4-Dec-16	B.3
CIS041929	iBTHP-5-DB9 Newport	5 inch Temp/RH/Press Sensor w/20ft cable	22-Dec-15	22-Dec-16	B.1, B.2, B.3
CIS043124	Above 1GHz Site Cal Cisco	Above 1GHz Cispr Site Verification	14-Jan-16	14-Jan-17	B.1, B.2
CIS047300	N9038A Agilent Technologies	MXE EMI Receiver 20Hz to 26.5 Ghz	28-Jan-16	28-Jan-17	B.1, B.2, B.3
CIS051642	Sucoflex 106PA Huber+Suhner	RF N Type Cable 8.5m	11-Feb-16	11-Feb-17	B.1, B.2, B.3
CIS030559	UFB311A-1-0950-504504 Micro-Coax	RF Coaxial Cable, to 18GHz, 95 in	15-Feb-16	15-Feb-17	B.1, B.2, B.3
CIS020975	UFB311A-0-1344-520520 Micro-Coax	RF Coaxial Cable, to 18GHz, 134.4 in	17-Feb-16	17-Feb-17	B.1, B.2, B.3
CIS051708	UFB293C-2-0840-300504 Micro-Coax	RF Coaxial SMA-N Type Cable	28-Jun-16	28-Jun-17	B.1, B.2, B.3
CIS044940	ESU40 Rohde & Schwarz	EMI Test Receiver, 20Hz-40GHz	2-Nov-15	2-Nov-16	B.1, B.2
CIS034075	RSG 2000 Schaffner	Reference Spectrum Generator, 1-18GHz	Cal Not Required		
CIS041979	1840 Cisco	18-40GHz EMI Test Head/ Verification Fixture	02-Sep-16	02-Sep-17	B.1, B.2
CIS044940	ESU40 Rohde & Schwarz	EMI Test Receiver, 20Hz-40GHz	2-Nov-15	2-Nov-16	B.1, B.2,
CIS030652	JB1 Sunol Sciences	Combination Antenna, 30MHz-2GHz	4-Dec-15	4-Dec-16	B.3
CIS003003	83731B HP	Synthesized Signal Generator	29-Jan-16	29-Jan-17	B.1, B.2
CIS037236	50CB-015 JFW	GPIB Control Box			B.1, B.2

Test Equipment used for AC Mains Conducted Emissions					
Equip#	Manufacturer/ Model	Description	Last Cal	Next Cal	Test Item
8510	Fischer Custom Communications FCC-450B-2.4-N	Instrumentation Limiter	5/16/16	5/16/17	B.4
23802	Fischer Custom Communications FCC-801-M2-50A	CDN, 2-LINE 50A	1/12/16	1/12/17	B.4
45995	Fischer Custom Communications F-090527-1009-2	Lisn Adapter	6/17/16	6/17/17	B.4
49468	Coleman RG223	BNC 25 ft Cable	3/9/16	3/9/17	B.4
31918	Midwest Microwave TRM-2048-MC-BNC-10	50 Ohm, 5W Terminator, Type BNC	11/9/15	11/9/16	B.4
49531	TTE H785-150K-50-21378	High Pass Filter	5/3/16	5/3/17	B.4
45994	Fischer Custom Communications F-090527-1009-1	Line Impedance Stabilization Network	6/17/16	6/17/17	B.4
18963	York CNE V	Comparison Noise Emitter, 30 - 1000MHz	Cal Not Required	Cal Not Required	B.4
45050	Rohde & Schwarz ESCI	EMI Test Receiver	11/3/15	11/3/16	B.4
51721	Teseq CDN ST08A	Coupling Decoupling Network	6/7/16	6/7/17	B.4
54231	Newport iBTHP-5-DB9	5 inch Temp/RH/Press Sensor w/20ft cable	2/10/16	2/10/17	B.4

Test Equipment used for RF Conducted Tests					
Equip#	Manufacturer/ Model	Description	Last Cal	Next Cal	Test Item
CIS054666	RA08-S1S1-18 MegaPhase	SMA 18" Cable	25-Sep-15	25-Sep-16	A1 thru A7
CIS054667	RA08-S1S1-18 MegaPhase	SMA 18" Cable	25-Sep-15	25-Sep-16	A1 thru A7
CIS054668	RA08-S1S1-18 MegaPhase	SMA 18" Cable	25-Sep-15	25-Sep-16	A1 thru A7
CIS054669	RA08-S1S1-18 MegaPhase	SMA 18" Cable	25-Sep-15	25-Sep-16	A1 thru A7
CIS054686	NI PXI-2796 National Instruments	Plug-in switch module	6-Oct-15	6-Oct-16	A1 thru A7
CIS055166	RFLT4WDC40GK RF Lambda	4 Way Power Divider 40GHz	23-Nov-15	23-Nov-16	A1 thru A7
CIS054662	RFLT4WDC40GK RF Lambda	SMA 36" cable	24-Sep-15	24-Sep-16	A1 thru A7
CIS054656	BRC50705-02 Micro-Tronics	Band Reject Filter	24-Sep-15	24-Sep-16	A1 thru A7
CIS054655	BRC50704-02 Micro-Tronics	Notch Filter, SB:5.470-5.725GHz, to 12GHz	24-Sep-15	24-Sep-16	A1 thru A7

CIS054654	BRC50703-02 Micro-Tronics	Notch Filter, SB:5.150-5.350GHz, to 11GHz	24-Sep-15	24-Sep-16	A1 thru A7
CIS054653	BRM50702-02 Micro-Tronics	Notch Filter, SB:2.400-2.500GHz, to 18GHz	24-Sep-15	24-Sep-16	A1 thru A7
CIS054678	RA08-S1S1-12 MegaPhase	SMA 12" Cable	25-Sep-15	25-Sep-16	A1 thru A7
CIS054677	RA08-S1S1-12 MegaPhase	SMA 12" Cable	25-Sep-15	25-Sep-16	A1 thru A7
CIS054676	RA08-S1S1-12 MegaPhase	SMA 12" Cable	25-Sep-15	25-Sep-16	A1 thru A7
CIS054675	RA08-S1S1-12 MegaPhase	SMA 12" Cable	25-Sep-15	25-Sep-16	A1 thru A7
CIS054674	RA08-S1S1-12 MegaPhase	SMA 12" Cable	25-Sep-15	25-Sep-16	A1 thru A7
CIS054673	RA08-S1S1-12 MegaPhase	SMA 12" Cable	25-Sep-15	25-Sep-16	A1 thru A7
CIS054672	RA08-S1S1-12 MegaPhase	SMA 12" Cable	25-Sep-15	25-Sep-16	A1 thru A7
CIS054671	RA08-S1S1-12 MegaPhase	SMA 12" Cable	25-Sep-15	25-Sep-16	A1 thru A7
CIS054670	RA08-S1S1-12 MegaPhase	SMA 12" Cable	25-Sep-15	25-Sep-16	A1 thru A7
CIS054664	GC12-8181-16 MegaPhase	SMA 16" Cable	25-Sep-15	25-Sep-16	A1 thru A7
CIS054663	F120-S1S1-48 MegaPhase	SMA 48" Cable	25-Sep-15	25-Sep-16	A1 thru A7
CIS054686	NI PXI-2796 National Instruments	Plug-in switch module	6-Oct-15	6-Oct-16	A1 thru A7
CIS042005	BWS30W2+ Mini-Circuits	SMA 30dB Attenuator	16-Oct-15	16-Oct-16	A1 thru A7
CIS041995	BW-S6W2 Mini-Circuits	6dB Attenuator	16-Oct-15	16-Oct-16	A1 thru A7
CIS054695	D3C2060 Ditom	Circulator	20-Oct-15	20-Oct-16	A1 thru A7
CIS055146	RA08-S1S1-12 Megaphase	12" SMA Cable	17-Nov-15	17-Nov-16	A1 thru A7
CIS050721	N9030A Keysight	PXA Signal Analyzer	30-Mar-16	30-Mar-17	A1 thru A7
CIS054303	N5182B Keysight	MXG X-Series RF Vector Signal Generator	6-Apr-16	6-Apr-17	A1 thru A7
CIS055358	ZFSC-2-10G Mini-Circuits	Splitter	11-Apr-16	11-Apr-17	A1 thru A7
CIS055099	SMART2200RM2U Tripp-Lite	Power Supply	Cal Not Required		A1 thru A7
CIS055094	PXI-1042 National Instruments	Chassis	Cal Not Required		A1 thru A7

Appendix E: Abbreviation Key and Definitions

The following table defines abbreviations used within this test report.

Abbreviation	Description	Abbreviation	Description
EMC	Electro Magnetic Compatibility	°F	Degrees Fahrenheit
EMI	Electro Magnetic Interference	°C	Degrees Celsius
EUT	Equipment Under Test	Temp	Temperature
ITE	Information Technology Equipment	S/N	Serial Number
TAP	Test Assessment Schedule	Qty	Quantity
ESD	Electro Static Discharge	emf	Electromotive force
EFT	Electric Fast Transient	RMS	Root mean square
EDCS	Engineering Document Control System	Qp	Quasi Peak
Config	Configuration	Av	Average
CIS#	Cisco Number (unique identification number for Cisco test equipment)	Pk	Peak
Cal	Calibration	kHz	Kilohertz (1×10^3)
EN	European Norm	MHz	MegaHertz (1×10^6)
IEC	International Electro technical Commission	GHz	Gigahertz (1×10^9)
CISPR	International Special Committee on Radio Interference	H	Horizontal
CDN	Coupling/Decoupling Network	V	Vertical
LISN	Line Impedance Stabilization Network	dB	decibel
PE	Protective Earth	V	Volt
GND	Ground	kV	Kilovolt (1×10^3)
L1	Line 1	μ V	Microvolt (1×10^{-6})
L2	Line2	A	Amp
L3	Line 3	μ A	Micro Amp (1×10^{-6})
DC	Direct Current	mS	Milli Second (1×10^{-3})
RAW	Uncorrected measurement value, as indicated by the measuring device	μ S	Micro Second (1×10^{-6})
RF	Radio Frequency	μ S	Micro Second (1×10^{-6})
SLCE	Signal Line Conducted Emissions	m	Meter
Meas dist	Measurement distance	Spec dist	Specification distance
N/A or NA	Not Applicable	SL	Signal Line (or Telecom Line)
P	Power Line	L	Live Line
N	Neutral Line	R	Return
S	Supply	AC	Alternating Current

End