

**Combine with Antenna 0 and Antenna 1 and Antenna 2****Test Mode:** TX/ IEEE 802.11n HT40 MHz (CH Low)**Tested by:** Ad Gan**Ambient temperature:** 24°C **Relative humidity:** 52% RH**Date:** May 19, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1783.000	47.60	-6.31	41.29	74.00	-32.71	V	Peak
2197.000	47.61	-3.92	43.69	74.00	-30.31	V	Peak
4798.000	44.13	4.32	48.45	74.00	-25.55	V	Peak
4834.000	47.40	4.44	51.84	74.00	-22.16	V	Peak
6130.000	40.38	6.29	46.67	74.00	-27.33	V	Peak
7219.000	40.02	8.13	48.15	74.00	-25.85	V	Peak
2206.000	48.07	-3.87	44.20	74.00	-29.80	H	Peak
2998.000	42.08	-1.36	40.72	74.00	-33.28	H	Peak
3997.000	46.48	1.58	48.06	74.00	-25.94	H	Peak
4834.000	49.70	4.44	54.14	74.00	-19.86	H	Peak
4834.000	48.83	4.44	53.27	54.00	-0.73	H	AVG
5797.000	39.99	5.99	45.98	74.00	-28.02	H	Peak
6832.000	40.98	7.43	48.41	74.00	-25.59	H	Peak

REMARKS:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown “ --- ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with “ N/A ” remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

**Test Mode:** TX / IEEE 802.11n HT40 MHz (CH Mid)**Tested by:** Ad Gan**Ambient temperature:** 24°C**Relative humidity:** 52% RH**Date:** May 19, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1783.000	49.23	-6.31	42.92	74.00	-31.08	V	Peak
2233.000	48.77	-3.72	45.05	74.00	-28.95	V	Peak
2584.000	44.35	-2.11	42.24	74.00	-31.76	V	Peak
3250.000	43.37	-0.94	42.43	74.00	-31.57	V	Peak
4870.000	47.40	4.56	51.96	74.00	-22.04	V	Peak
5473.000	40.03	5.82	45.85	74.00	-28.15	V	Peak
2206.000	49.73	-3.87	45.86	74.00	-28.14	H	Peak
2557.000	43.36	-2.16	41.20	74.00	-32.80	H	Peak
3250.000	41.78	-0.94	40.84	74.00	-33.16	H	Peak
4195.000	39.73	2.28	42.01	74.00	-31.99	H	Peak
4870.000	49.37	4.56	53.93	74.00	-20.07	H	Peak
4870.000	48.73	4.56	53.29	54.00	-0.71	H	AVG
6976.000	40.84	7.66	48.50	74.00	-25.50	H	Peak

REMARKS:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown “ --- ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with “ N/A ” remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

**Test Mode:** TX/ IEEE 802.11n HT40 MHz (CH High)**Tested by:** Ad Gan**Ambient temperature:** 24°C **Relative humidity:** 52% RH**Date:** May 19, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
2233.000	49.22	-3.72	45.50	74.00	-28.50	V	Peak
2512.000	43.85	-2.24	41.61	74.00	-32.39	V	Peak
3268.000	44.30	-0.91	43.39	74.00	-30.61	V	Peak
4798.000	41.91	4.32	46.23	74.00	-27.77	V	Peak
4888.000	47.11	4.61	51.72	74.00	-22.28	V	Peak
6733.000	40.00	7.27	47.27	74.00	-26.73	V	Peak
2197.000	49.57	-3.92	45.65	74.00	-28.35	H	Peak
2539.000	43.13	-2.19	40.94	74.00	-33.06	H	Peak
3997.000	40.53	1.58	42.11	74.00	-31.89	H	Peak
4798.000	43.59	4.32	47.91	74.00	-26.09	H	Peak
4897.000	49.49	4.64	54.13	74.00	-19.87	H	Peak
4897.000	48.73	4.64	53.37	54.00	-0.63	H	AVG
6175.000	39.19	6.36	45.55	74.00	-28.45	H	Peak

REMARKS:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown “ --- ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with “ N/A ” remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).



7.3. 6dB BANDWIDTH MEASUREMENT

7.3.1. LIMITS

According to §15.247(a)(2), systems using digital modulation techniques may operate in the 902 - 928 MHz, 2400 - 2483.5 MHz. The minimum 6 dB bandwidth shall be at least 500 kHz.

7.3.2. TEST INSTRUMENTS

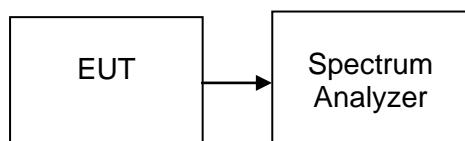
Name of Equipment	Manufacturer	Model	Serial Number	Last Calibration	Calibration Due
Spectrum Analyzer	Agilent	N9010A	MY52221469	02/21/2016	02/20/2017

7.3.3. TEST PROCEDURES (please refer to measurement standard)

8.1 Option 1:

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

7.3.4. TEST SETUP





7.3.5. TEST RESULTS

No non-compliance noted

Test Data

Test mode: IEEE 802.11b

Channel	Frequency (MHz)	Bandwidth (kHz)			Limit (kHz)	Test Result
		Antenna 0	Antenna 1	Antenna 2		
Low	2412	8103	8076	8111	>500	PASS
Mid	2437	8116	8097	8079		PASS
High	2462	8099	8107	8095		PASS

Test mode: IEEE 802.11g

Channel	Frequency (MHz)	Bandwidth (kHz)			Limit (kHz)	Test Result
		Antenna 0	Antenna 1	Antenna 2		
Low	2412	16410	16390	16410	>500	PASS
Mid	2437	16040	15480	16430		PASS
High	2462	16410	16420	16450		PASS

Test mode: IEEE 802.11n HT20 MHz

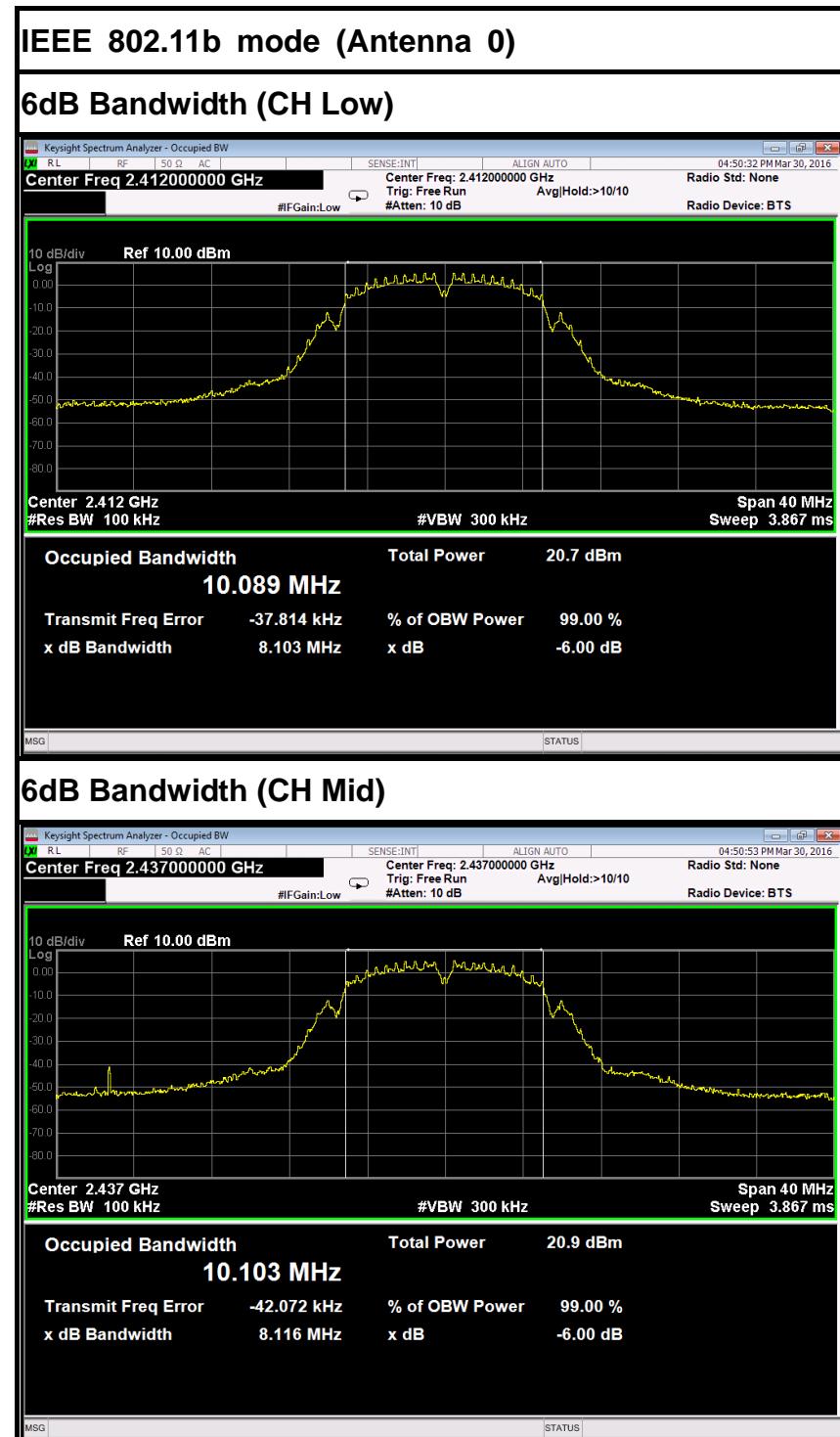
Channel	Frequency (MHz)	Bandwidth (kHz)			Limit (kHz)	Test Result
		Antenna 0	Antenna 1	Antenna 2		
Low	2412	17630	17660	17690	>500	PASS
Mid	2437	16040	17660	17460		PASS
High	2462	17680	17670	17650		PASS

Test mode: IEEE 802.11n HT40 MHz

Channel	Frequency (MHz)	Bandwidth (kHz)			Limit (kHz)	Test Result
		Antenna 0	Antenna 1	Antenna 2		
Low	2422	35830	36410	35820	>500	PASS
Mid	2437	35820	36430	35820		PASS
High	2452	35760	36430	35830		PASS



Test Plot



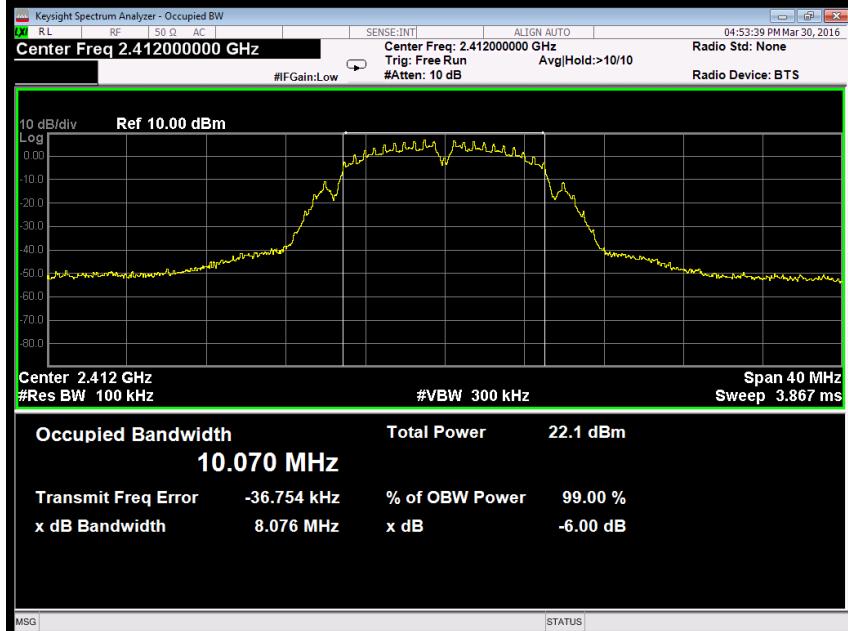


6dB Bandwidth (CH High)



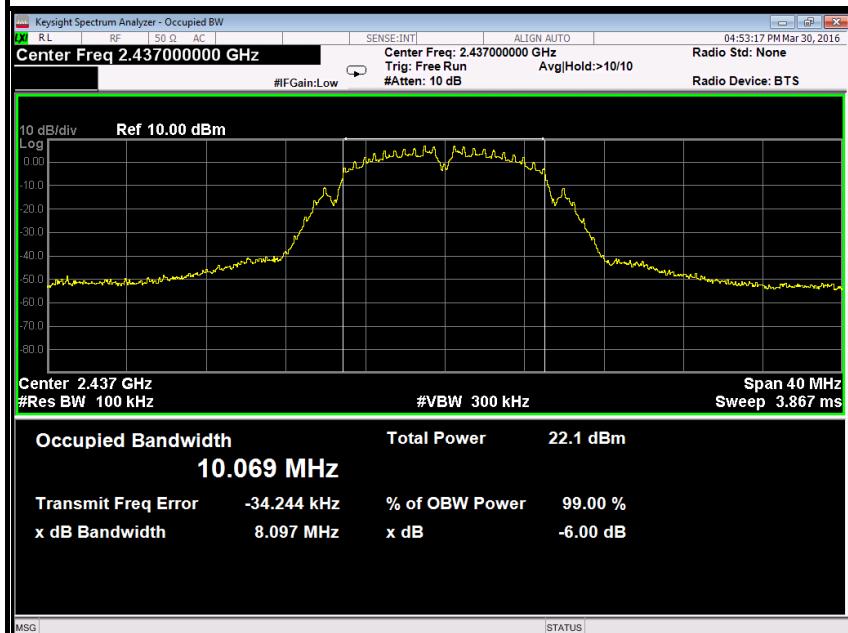
IEEE 802.11b mode (Antenna 1)

6dB Bandwidth (CH Low)



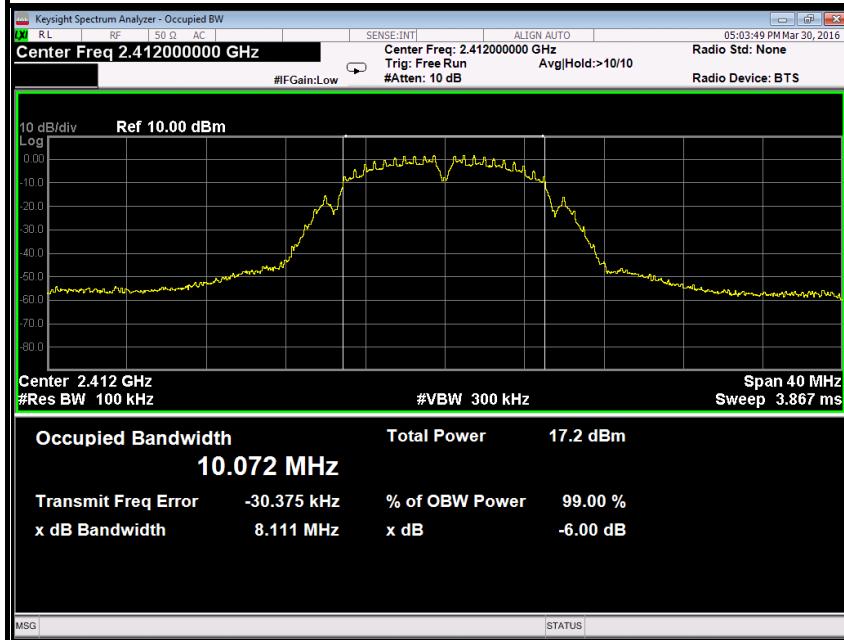
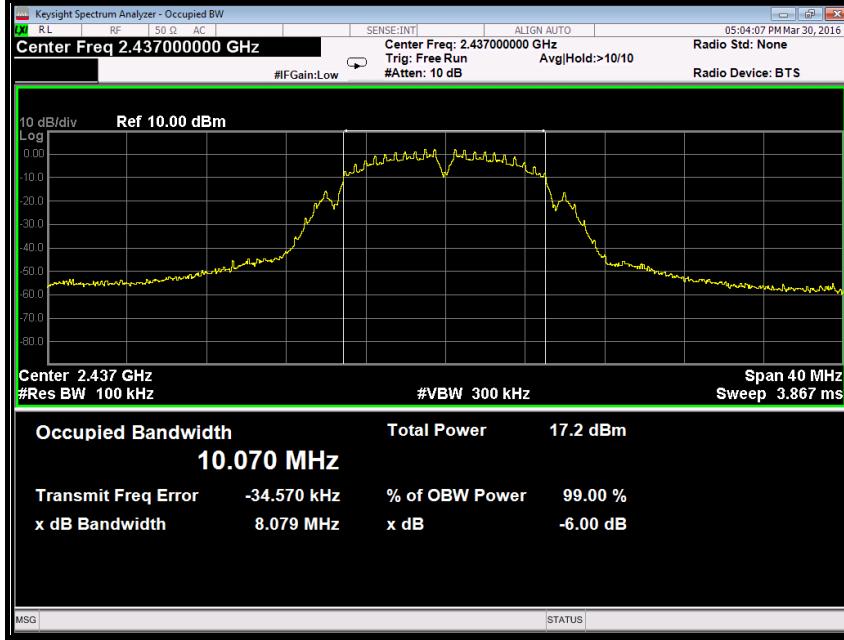


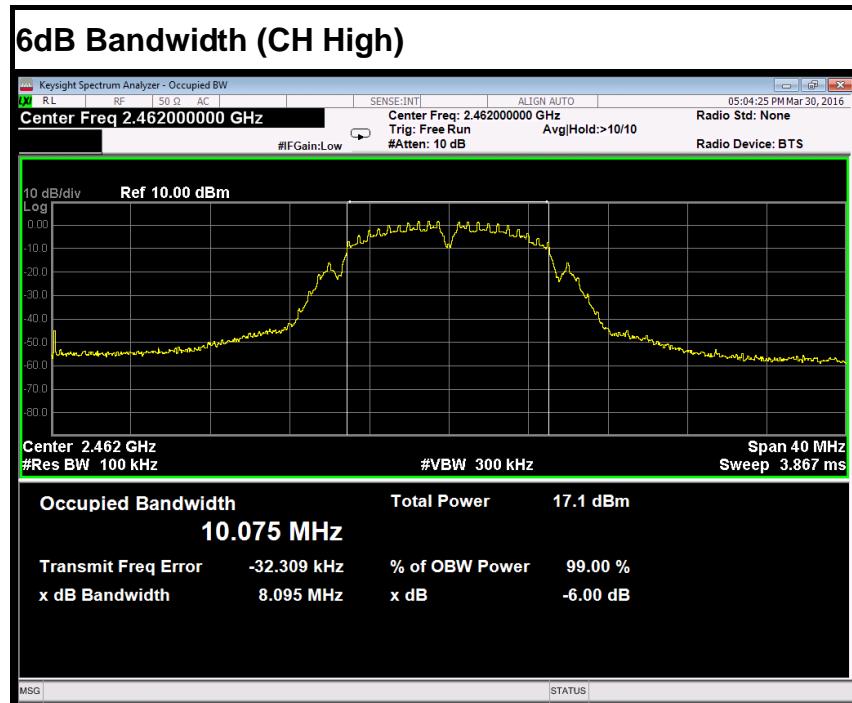
6dB Bandwidth (CH Mid)

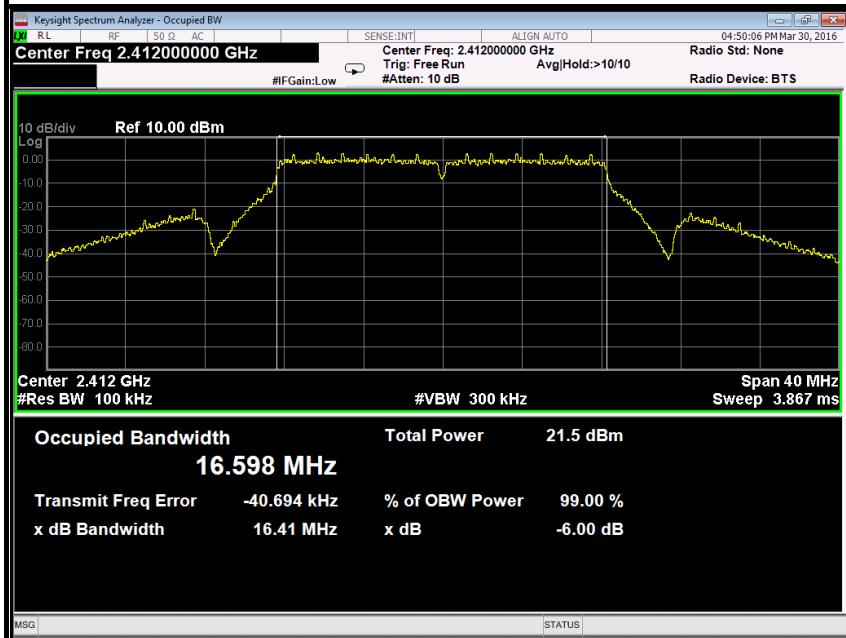
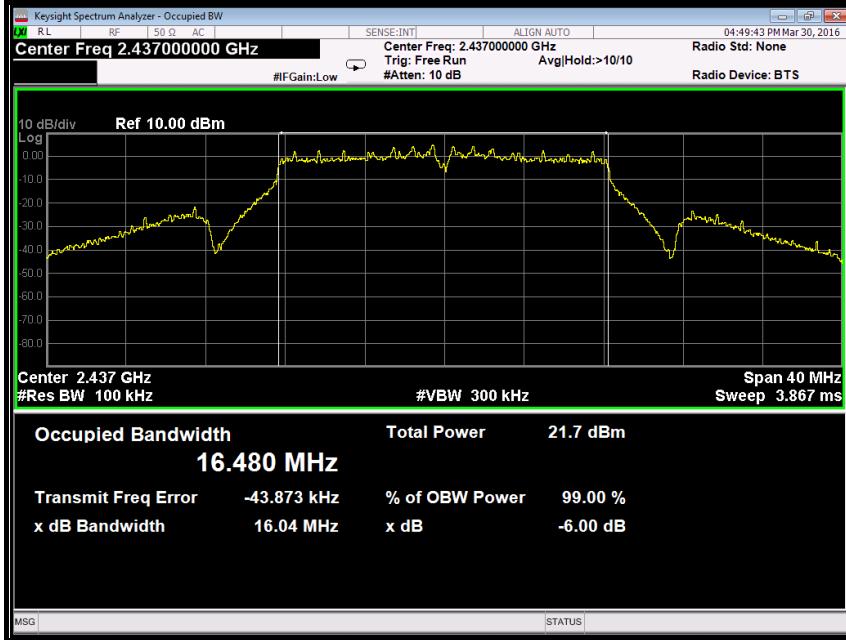


6dB Bandwidth (CH High)



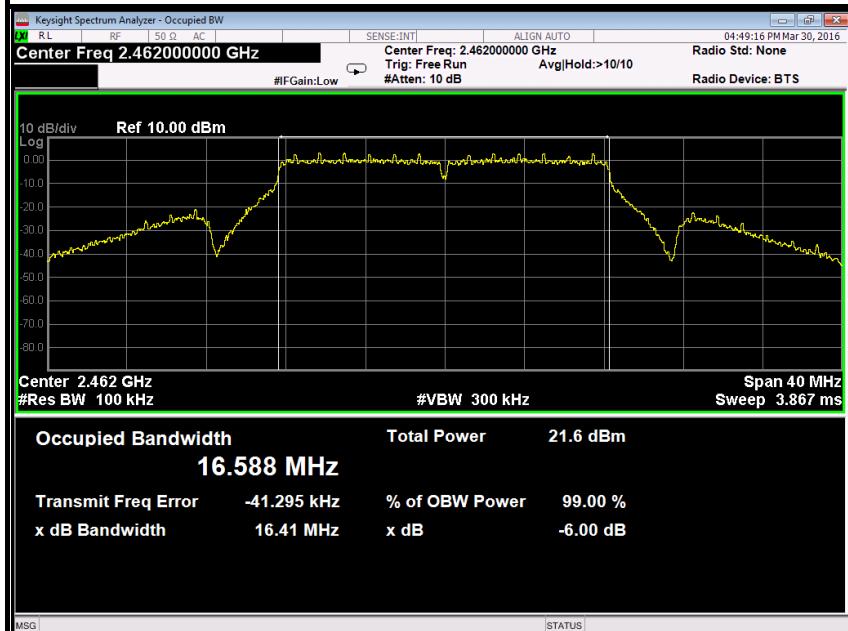
**IEEE 802.11b mode (Antenna 2)****6dB Bandwidth (CH Low)****6dB Bandwidth (CH Mid)**



**IEEE 802.11g mode (Antenna 0)****6dB Bandwidth (CH Low)****6dB Bandwidth (CH Mid)**

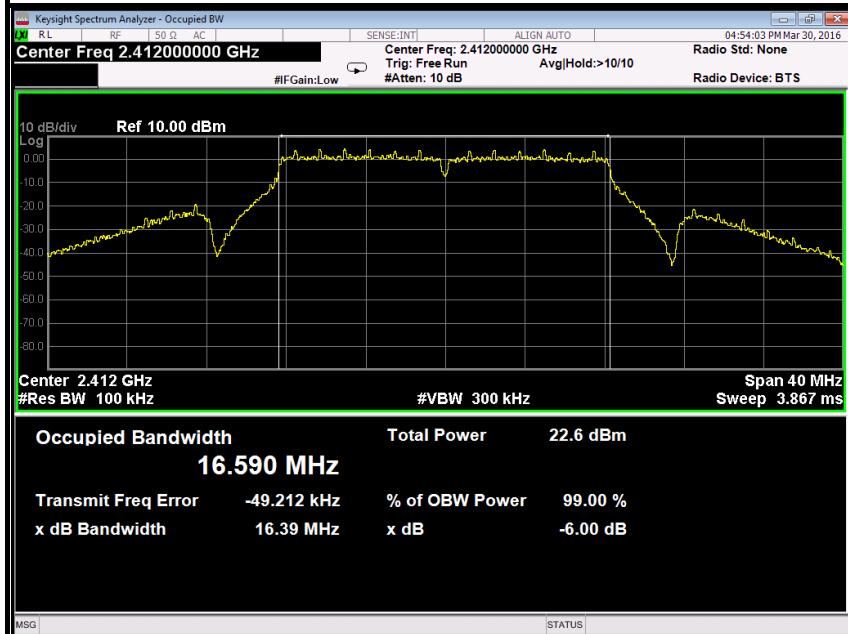


6dB Bandwidth (CH High)



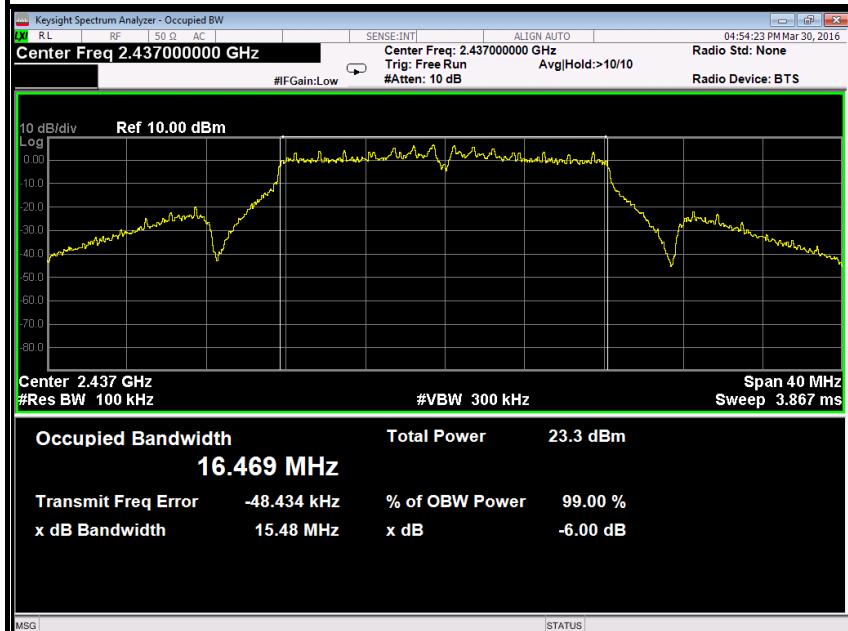
IEEE 802.11g mode (Antenna 1)

6dB Bandwidth (CH Low)

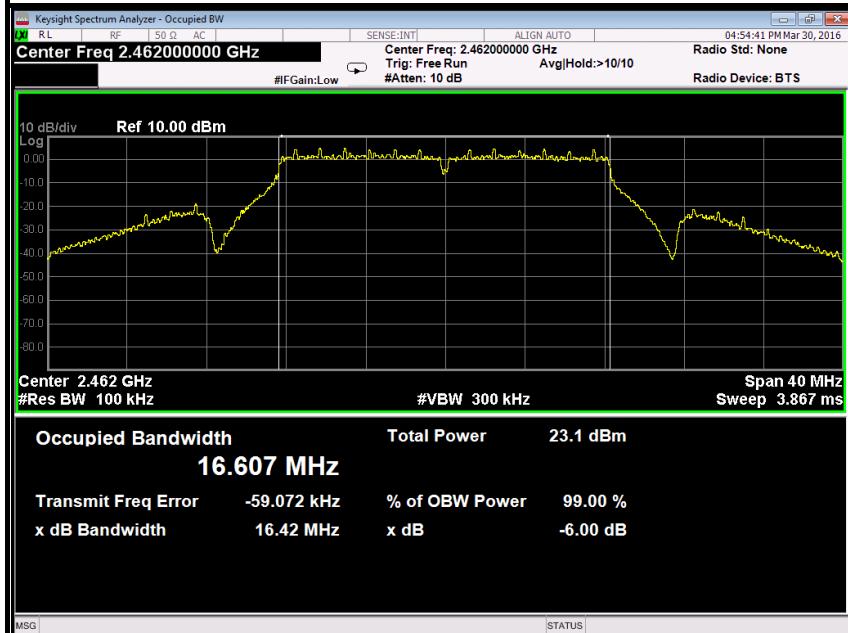


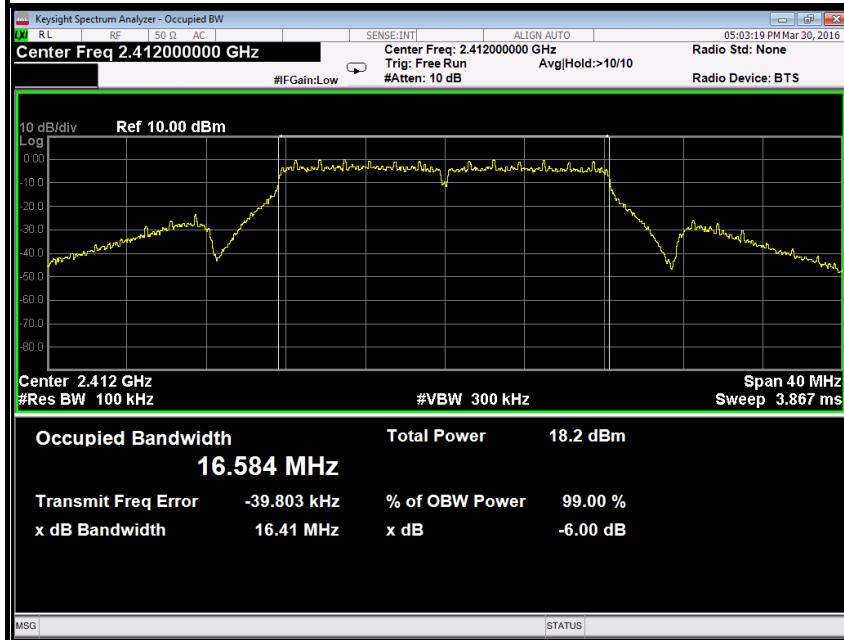
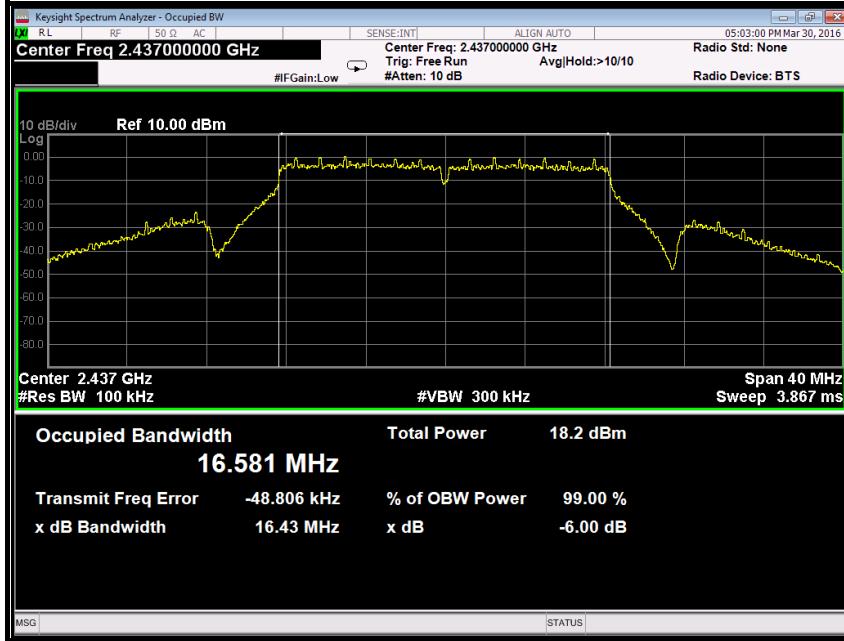


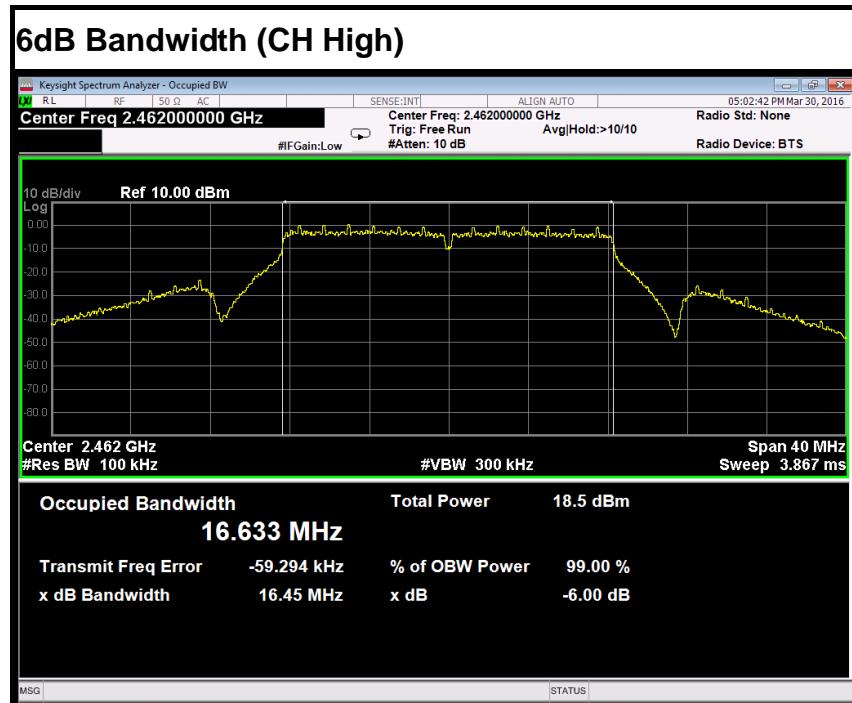
6dB Bandwidth (CH Mid)

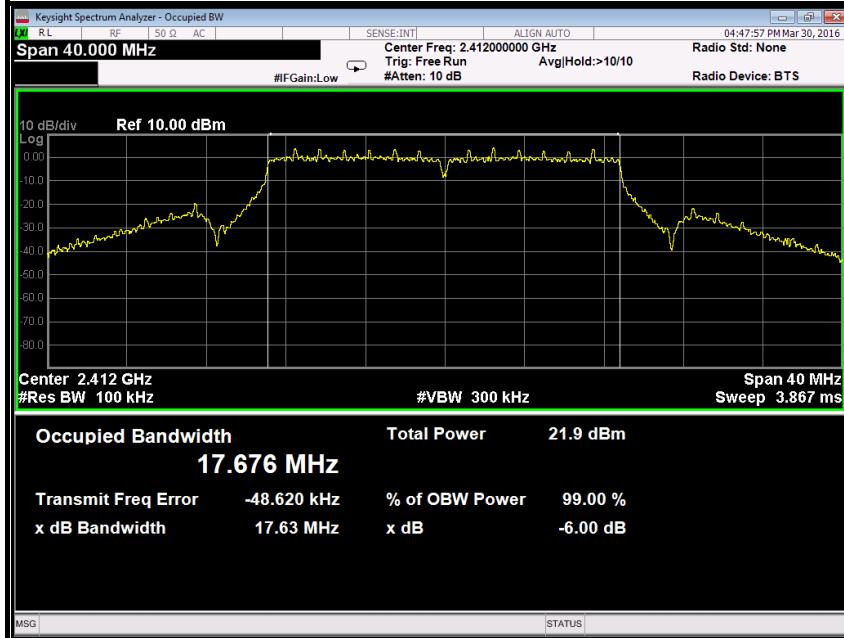
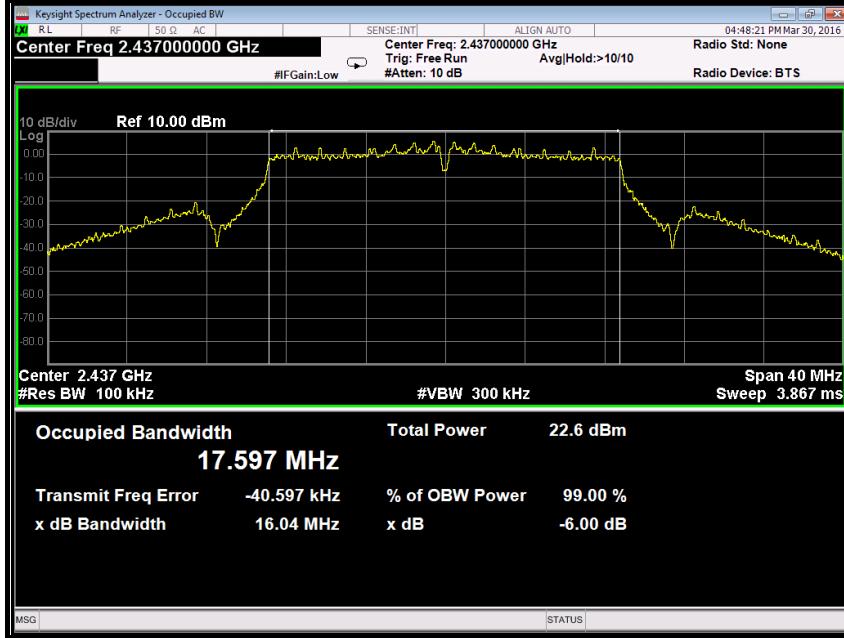


6dB Bandwidth (CH High)



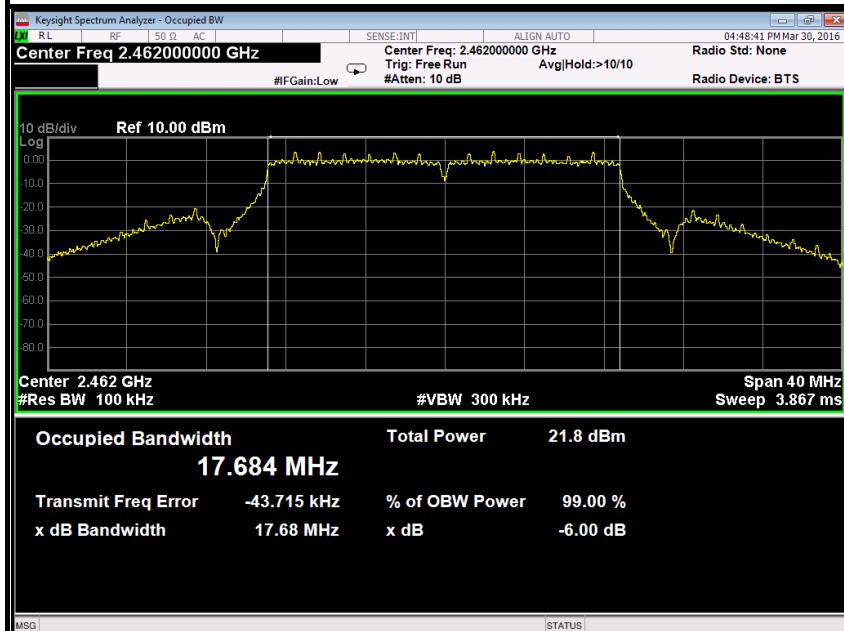
**IEEE 802.11g mode (Antenna 2)****6dB Bandwidth (CH Low)****6dB Bandwidth (CH Mid)**



**IEEE 802.11n HT20 MHz mode (Antenna 0)****6dB Bandwidth (CH Low)****6dB Bandwidth (CH Mid)**

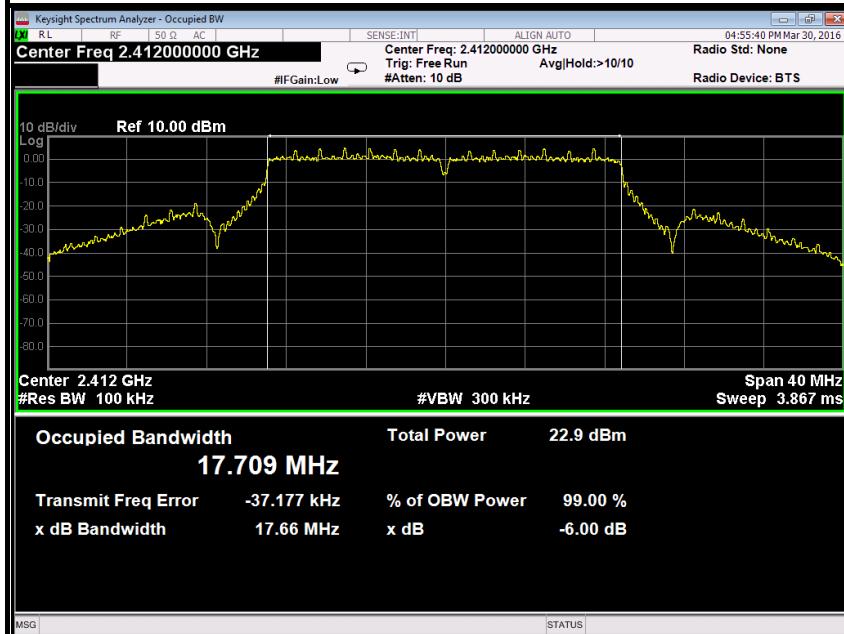


6dB Bandwidth (CH High)



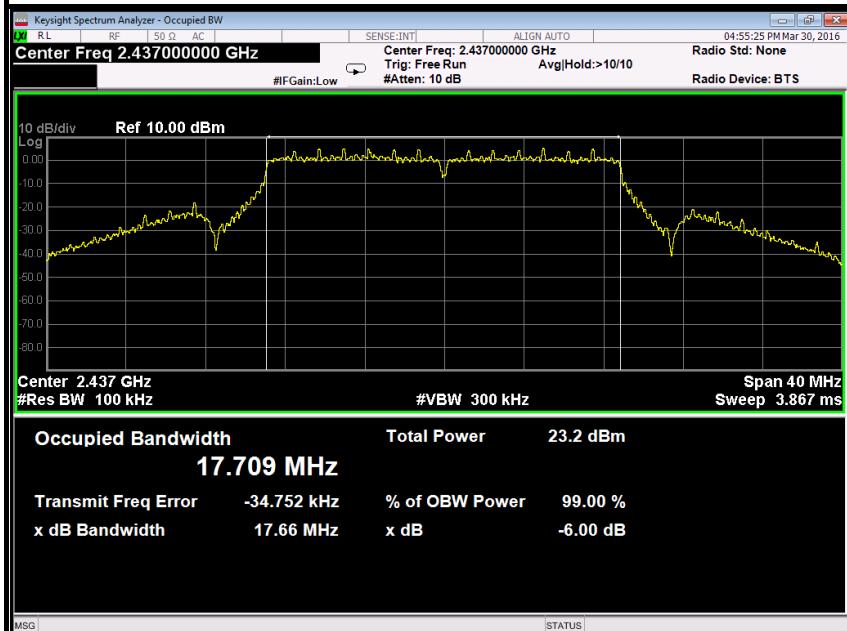
IEEE 802.11n HT20 MHz mode (Antenna 1)

6dB Bandwidth (CH Low)

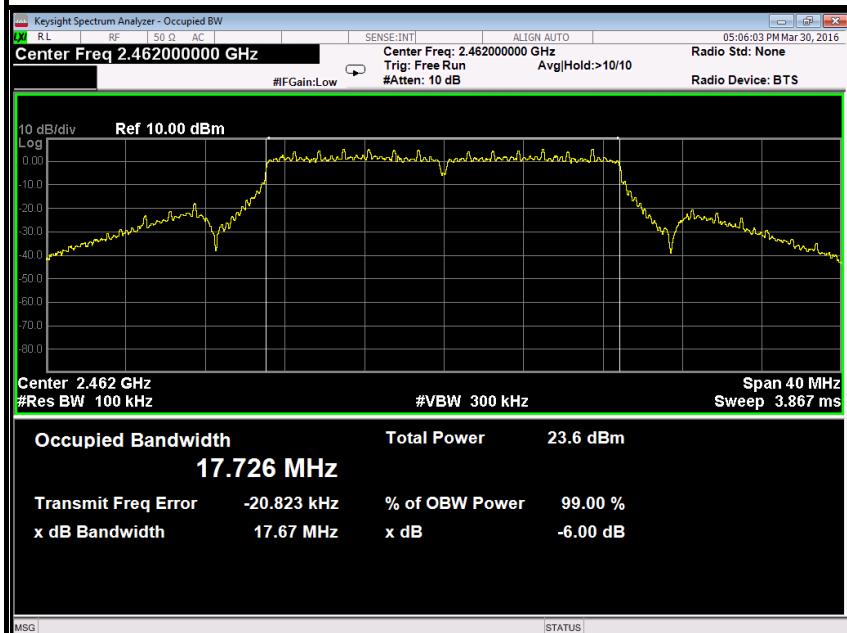


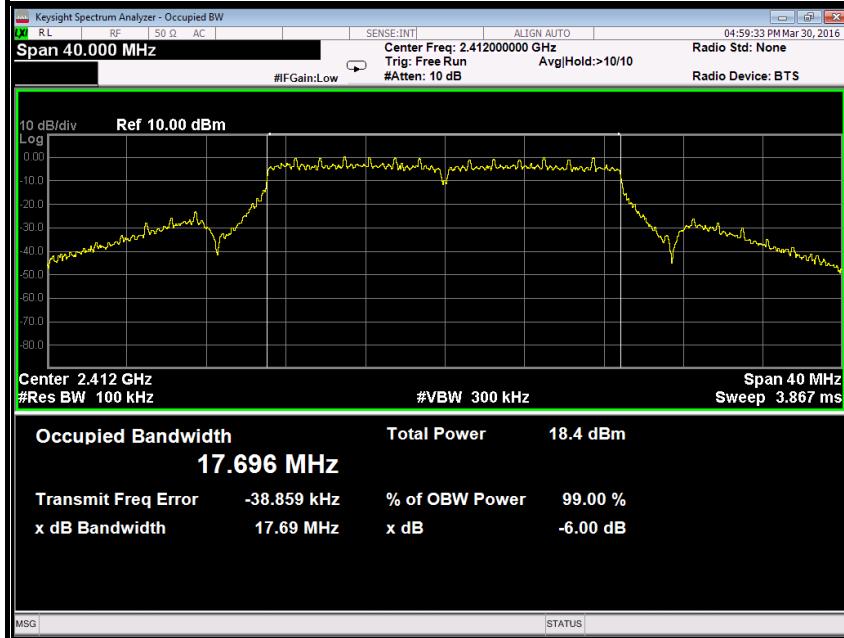
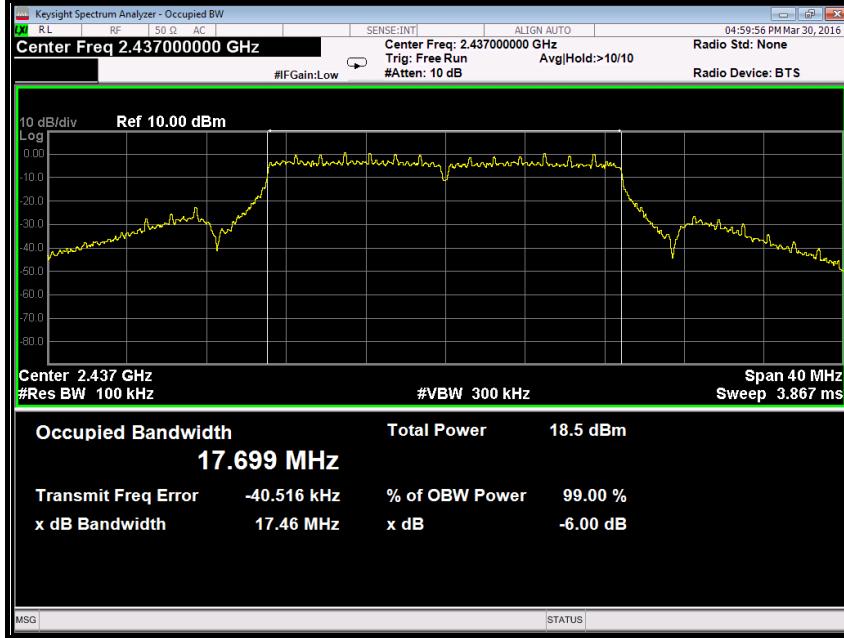


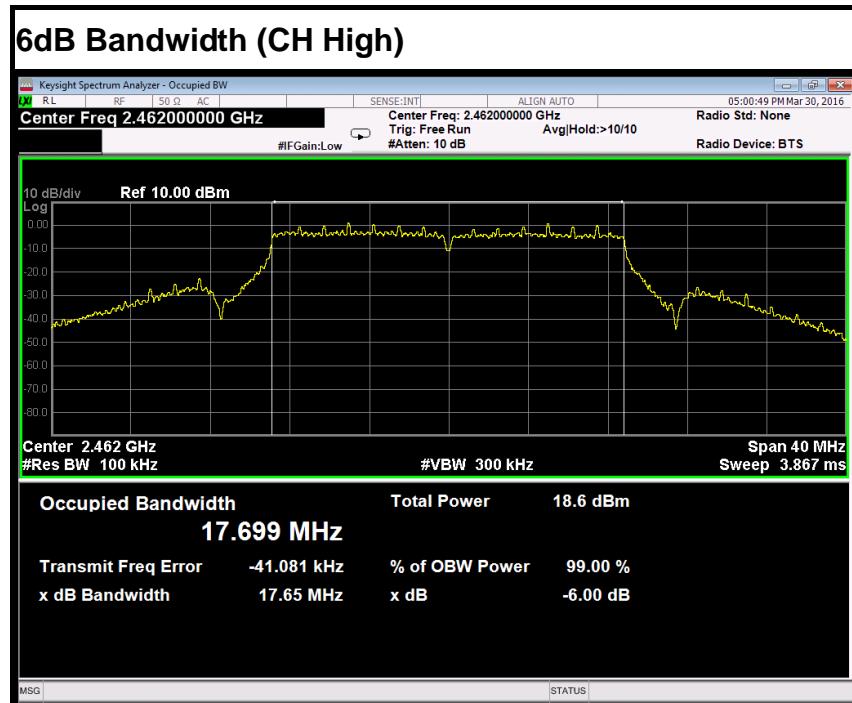
6dB Bandwidth (CH Mid)

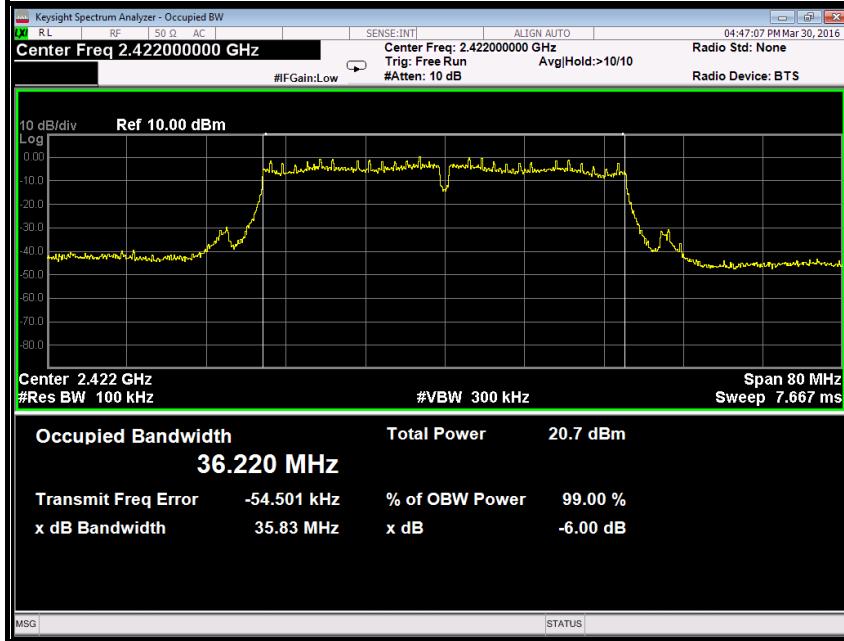
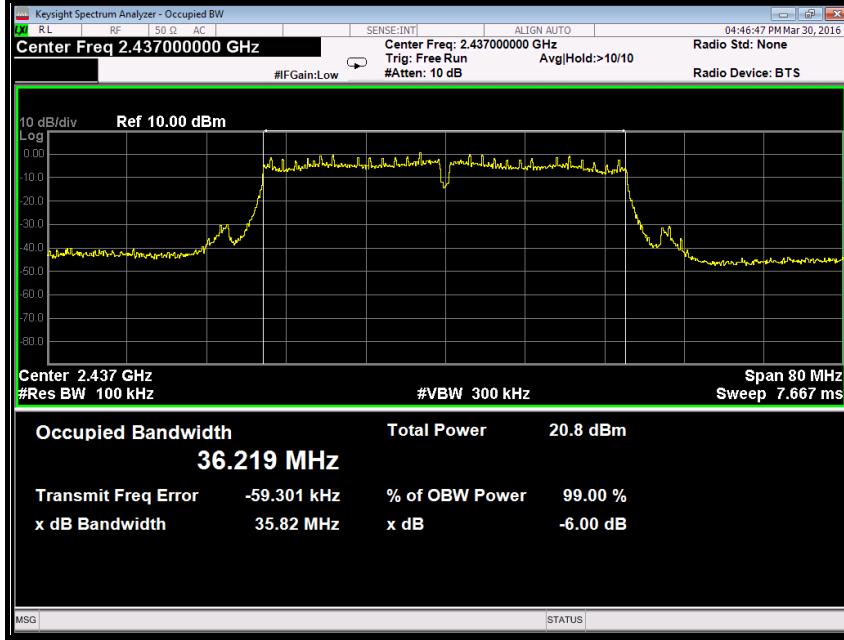


6dB Bandwidth (CH High)



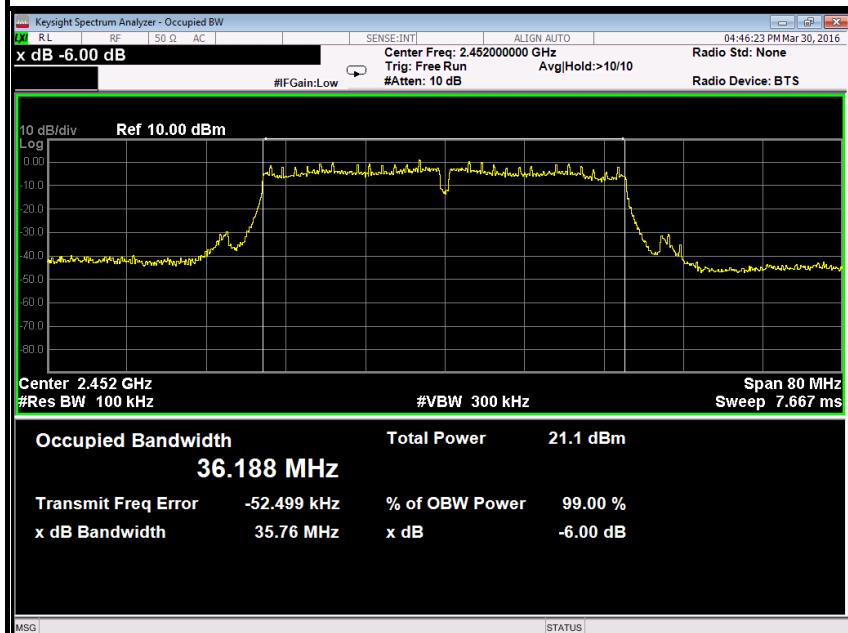
**IEEE 802.11n HT20 MHz mode (Antenna 2)****6dB Bandwidth (CH Low)****6dB Bandwidth (CH Mid)**



**IEEE 802.11n HT40 MHz mode (Antenna 0)****6dB Bandwidth (CH Low)****6dB Bandwidth (CH Mid)**

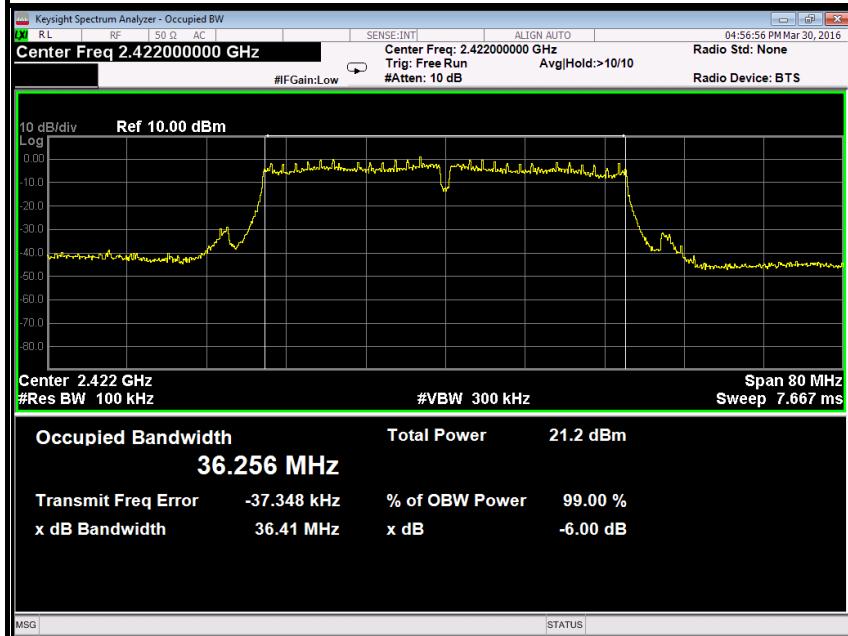


6dB Bandwidth (CH High)



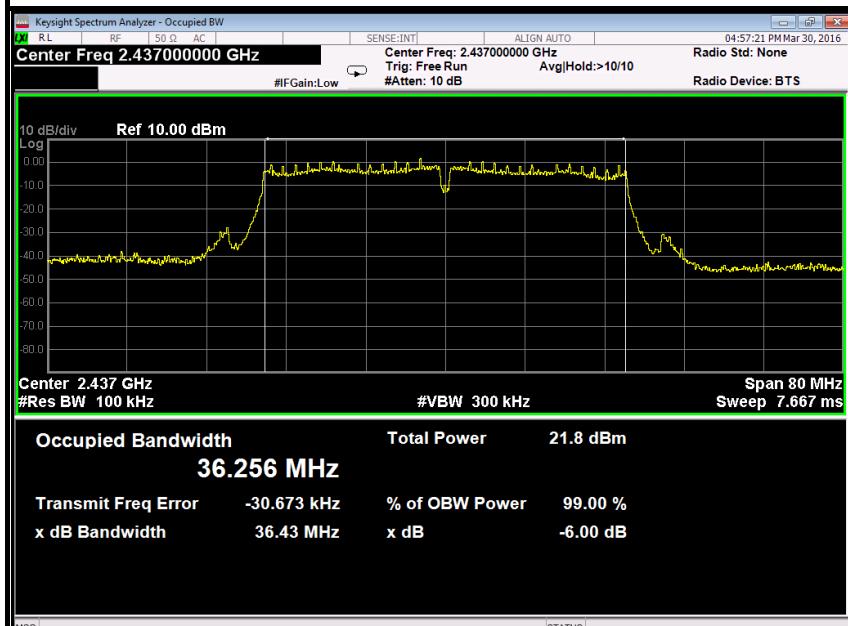
IEEE 802.11n HT40 MHz mode (Antenna 1)

6dB Bandwidth (CH Low)

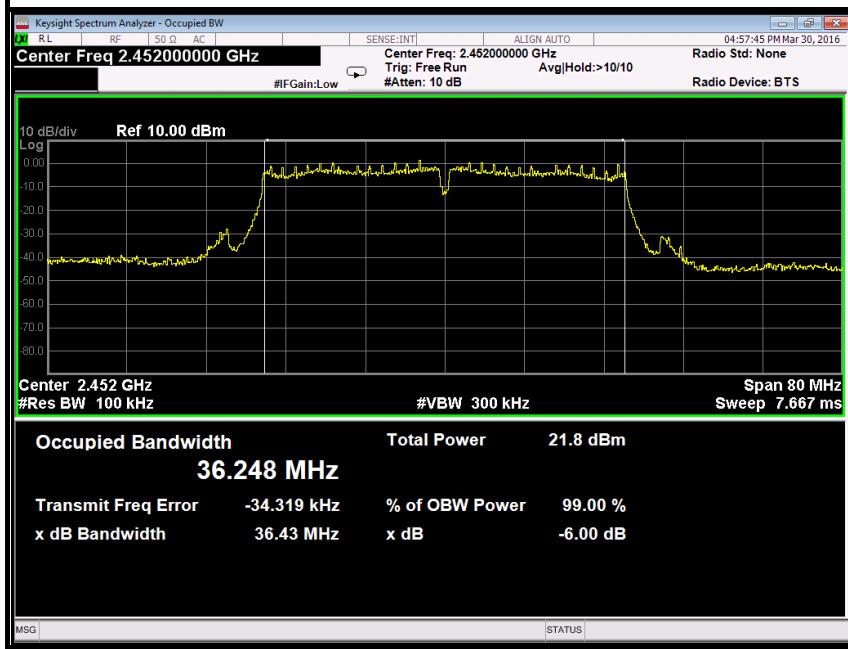


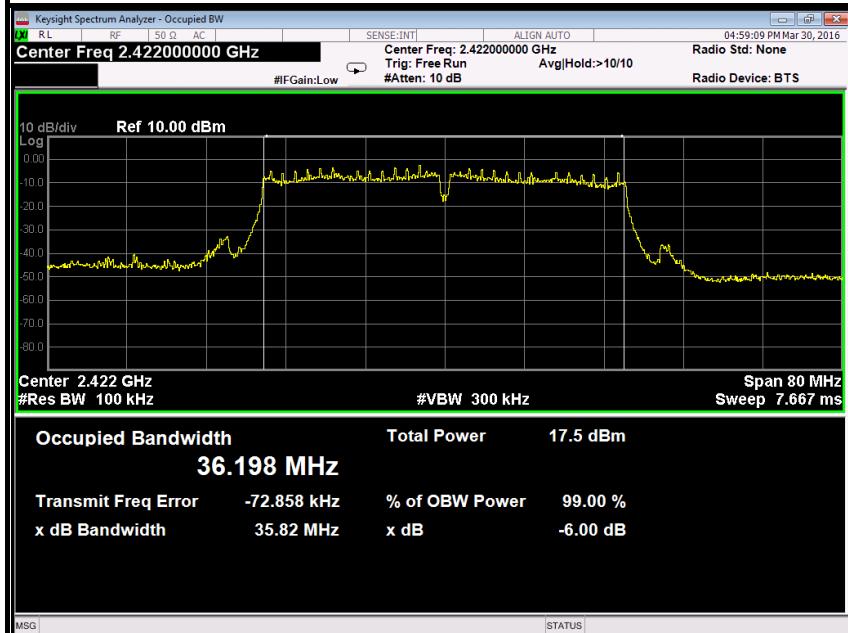
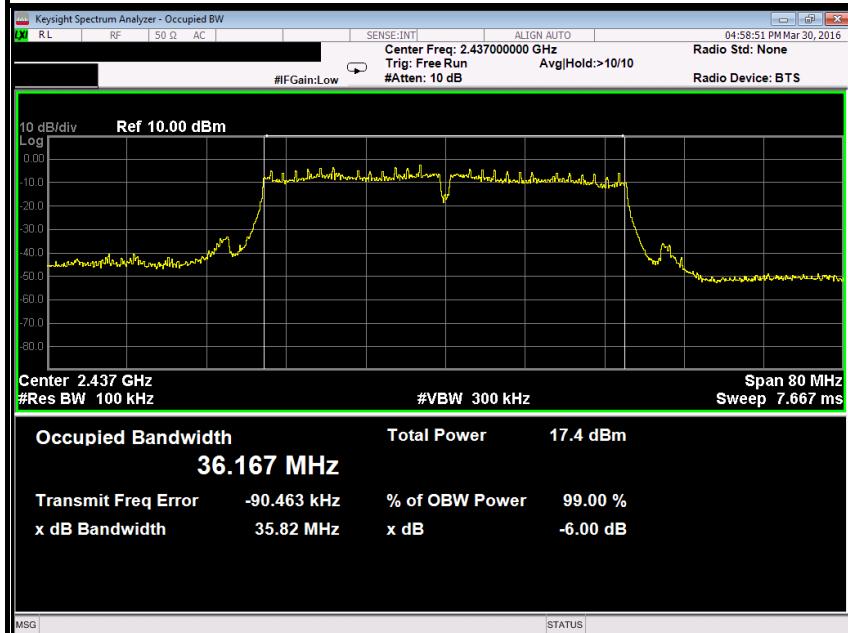


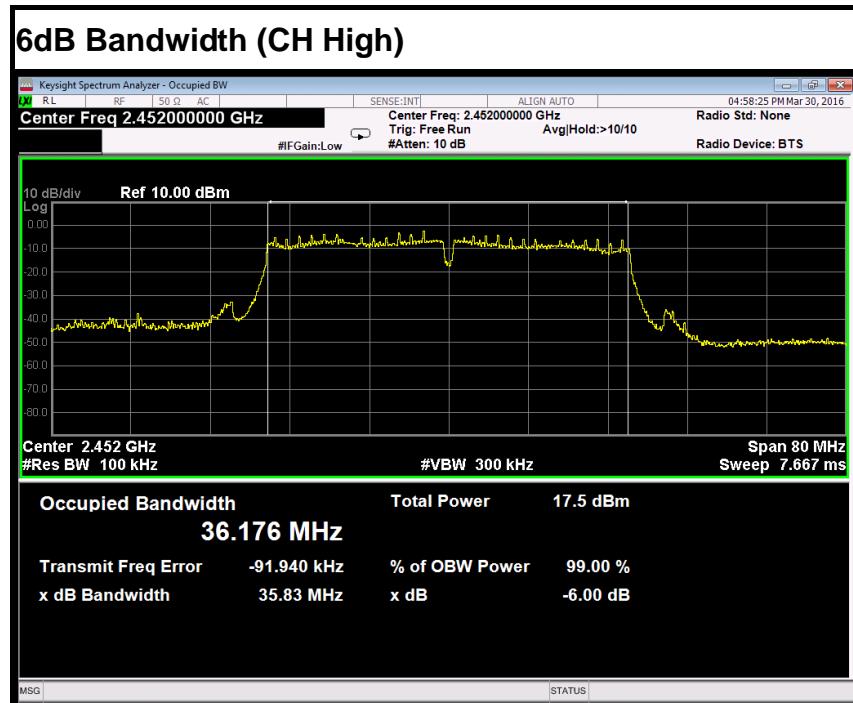
6dB Bandwidth (CH Mid)



6dB Bandwidth (CH High)



**IEEE 802.11n HT40 MHz mode (Antenna 2)****6dB Bandwidth (CH Low)****6dB Bandwidth (CH Mid)**





7.4. ANTENNA GAIN

MEASUREMENT

The antenna gain of the complete system is calculated by the difference of radiated power in EIRP and the conducted power of the module. For normal WLAN devices, the DSSS mode is used.

MEASUREMENT PARAMETERS

Measurement parameter	
Detector	Peak
Sweep time	Auto
Resolution bandwidth	3 MHz
Video bandwidth	3 MHz
Trace-Mode	Max hold

LIMITS

FCC	IC
Antenna Gain	
6 dBi	

TEST RESULTS

Please refer to the antenna report.



7.5. PEAK OUTPUT POWER

7.5.1. LIMITS

The maximum peak output power of the intentional radiator shall not exceed the following:

1. According to §15.247(b)(3), for systems using digital modulation in the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz: 1 Watt.
2. According to §15.247(b)(4), the conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

7.5.2. TEST INSTRUMENTS

Name of Equipment	Manufacturer	Model	Serial Number	Last Calibration	Calibration Due
Power Meter	Anritsu	ML2495A	1204003	02/21/2016	02/20/2017
Power Sensor	Anritsu	MA2411B	1126150	02/21/2016	02/20/2017

7.5.3. TEST PROCEDURES (please refer to measurement standard)

9.1.1 RBW \geq DTS bandwidth

This procedure shall be used when the measurement instrument has available a resolution bandwidth that is greater than the *DTS bandwidth*.

- a) Set the RBW \geq *DTS bandwidth*.
- b) Set VBW \geq 3 RBW.
- c) Set span \geq 3 x RBW
- d) Sweep time = auto couple.
- e) Detector = peak.
- f) Trace mode = max hold.
- g) Allow trace to fully stabilize.
- h) Use peak marker function to determine the peak amplitude level.



9.1.2 Integrated band power method

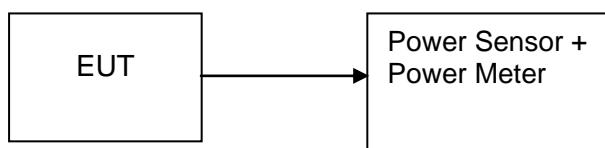
This procedure may be used when the maximum available RBW of the measurement instrument is less than the *DTS bandwidth*.

- a) Set the RBW = 1 MHz.
- b) Set the VBW \geq 3 RBW
- c) Set the span \geq 1.5 x DTS bandwidth.
- d) Detector = peak.
- e) Sweep time = auto couple.
- f) Trace mode = max hold.
- g) Allow trace to fully stabilize.
- h) Use the instrument's band/channel power measurement function with the band limits set equal to the DTS bandwidth edges (for some instruments, this may require a manual override to select peak detector). If the instrument does not have a band power function, sum the spectrum levels (in linear power units) at intervals equal to the RBW extending across the DTS bandwidth.

9.1.3 PKPM1 Peak power meter method

The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall utilize a fast-responding diode detector.

7.5.4. TEST SETUP





7.5.5. TEST RESULTS

No non-compliance noted

Test Data

Test mode: IEEE 802.11b (Antenna 0)

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Peak / AVG	Limit (W)	Result
Low	2412	22.74	0.18793	Peak	1	PASS
Mid	2437	24.27	0.26730			PASS
High	2462	24.70	0.29512			PASS
Low	2412	19.17	0.08260	AVG	1	PASS
Mid	2437	20.68	0.11695			PASS
High	2462	21.00	0.12589			PASS

Test mode: IEEE 802.11b (Antenna 1)

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Peak / AVG	Limit (W)	Result
Low	2412	23.67	0.23281	Peak	1	PASS
Mid	2437	23.73	0.23605			PASS
High	2462	23.64	0.23121			PASS
Low	2412	20.01	0.10023	AVG	1	PASS
Mid	2437	20.21	0.10495			PASS
High	2462	20.07	0.10162			PASS

Test mode: IEEE 802.11b (Antenna 2)

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Peak / AVG	Limit (W)	Result
Low	2412	23.37	0.21727	Peak	1	PASS
Mid	2437	24.58	0.28708			PASS
High	2462	24.75	0.29854			PASS
Low	2412	20.08	0.10186	AVG	1	PASS
Mid	2437	21.15	0.13032			PASS
High	2462	21.26	0.13366			PASS

**Test mode: IEEE 802.11g (Antenna 0)**

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Peak / AVG	Limit (W)	Result
Low	2412	29.07	0.80724	Peak	1	PASS
Mid	2437	28.22	0.66374			PASS
High	2462	28.92	0.77983			PASS
Low	2412	18.88	0.07727	AVG	1	PASS
Mid	2437	18.86	0.07691			PASS
High	2462	18.80	0.07586			PASS

Test mode: IEEE 802.11g (Antenna 1)

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Peak / AVG	Limit (W)	Result
Low	2412	28.34	0.68234	Peak	1	PASS
Mid	2437	27.51	0.56364			PASS
High	2462	28.02	0.63387			PASS
Low	2412	18.76	0.07516	AVG	1	PASS
Mid	2437	18.17	0.06561			PASS
High	2462	18.24	0.06668			PASS

Test mode: IEEE 802.11g (Antenna 2)

Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Peak / AVG	Limit (W)	Result
Low	2412	29.34	0.85901	Peak	1	PASS
Mid	2437	29.27	0.84528			PASS
High	2462	29.37	0.86497			PASS
Low	2412	18.99	0.07925	AVG	1	PASS
Mid	2437	19.44	0.08790			PASS
High	2462	19.36	0.08630			PASS



Test mode: IEEE 802.11n HT20 MHz(Combine with Antenna 0 and Antenna 1 and Antenna 2)

Channel	Frequency (MHz)	Output Power (dBm)				Output Power (W)	Peak / AVG	Limit (W)	Result
		Antenna 0	Antenna 1	Antenna 2	Total				
Low	2412	24.06	24.34	24.86	29.20	0.83252	Peak	1	PASS
Mid	2437	24.17	24.13	24.49	29.04	0.80123			PASS
High	2462	24.33	23.97	24.50	29.04	0.80232			PASS
Low	2412	14.02	13.91	14.99	19.11	0.08139	AVG	1	PASS
Mid	2437	14.63	14.57	14.83	19.45	0.08809			PASS
High	2462	15.44	14.39	15.25	19.82	0.09597			PASS

Test mode: IEEE 802.11n HT40 MHz(Combine with Antenna 0 and Antenna 1 and Antenna 2)

Channel	Frequency (MHz)	Output Power (dBm)				Output Power (W)	Peak / AVG	Limit (W)	Result
		Antenna 0	Antenna 1	Antenna 2	Total				
Low	2422	24.43	24.65	24.97	29.46	0.88313	Peak	1	PASS
Mid	2437	24.63	24.47	25.00	29.48	0.88653			PASS
High	2452	24.24	24.86	24.99	29.48	0.88716			PASS
Low	2422	13.75	15.09	15.74	19.71	0.09350	AVG	1	PASS
Mid	2437	14.18	14.86	15.56	19.67	0.09278			PASS
High	2452	14.96	15.12	15.24	19.88	0.09726			PASS



7.6. BAND EDGES MEASUREMENT

7.6.1. LIMITS

According to §15.247(d), in any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in 15.209(a) (see Section 15.205(c)).

7.6.2. TEST INSTRUMENTS

Radiated Emission Test Site 966 (2)					
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
PSA Series Spectrum Analyzer	Agilent	E4446A	US44300399	02/21/2016	02/20/2017
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI	100783	02/21/2016	02/20/2017
Amplifier	EMEC	EM330	060661	03/18/2016	03/17/2017
High Noise Amplifier	Agilent	8449B	3008A01838	02/21/2016	02/20/2017
Loop Antenna	COM-POWER	AL-130	121044	09/25/2015	09/24/2016
Bilog Antenna	SCHAFFNER	CBL6143	5082	02/21/2016	02/20/2017
Horn Antenna	SCHWARZBECK	BBHA9120	D286	02/28/2016	02/27/2017
Board-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170-497	02/28/2016	02/27/2017
Turn Table	N/A	N/A	N/A	N.C.R	N.C.R
Antenna Tower	SUNOL	TLT2	N/A	N.C.R	N.C.R
Controller	Sunol Sciences	SC104V	022310-1	N.C.R	N.C.R
Controller	CT	N/A	N/A	N.C.R	N.C.R
Temp. / Humidity Meter	Anymetre	JR913	N/A	02/21/2016	02/20/2017
Test S/W	FARAD	LZ-RF / CCS-SZ-3A2			

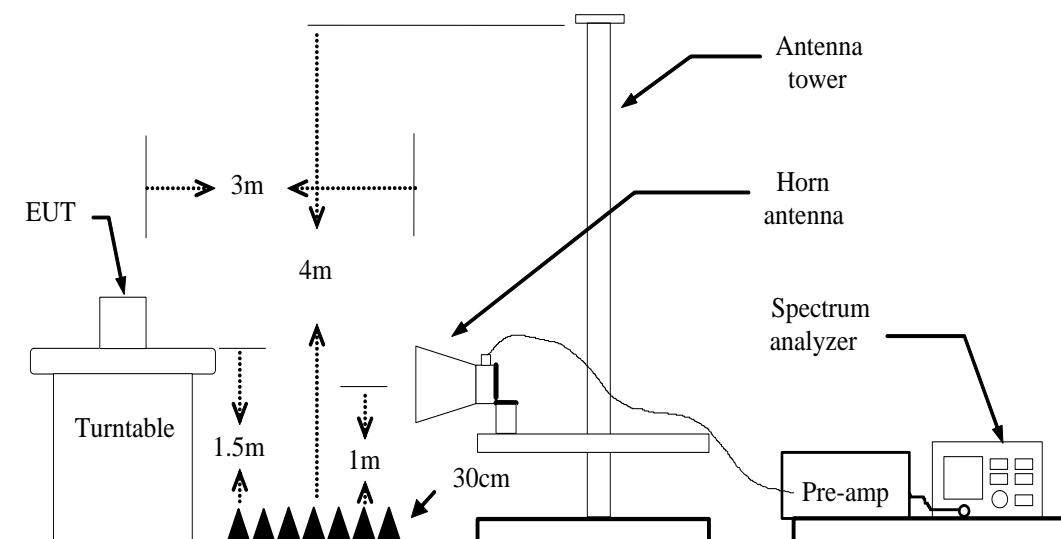
- NOTE:**
1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
 2. The FCC Site Registration number is 101879.
 3. N.C.R = No Calibration Required.



7.6.3. TEST PROCEDURES (please refer to measurement standard)

1. The EUT is placed on a turntable, which is 1.5m above the ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
 - (a) PEAK: RBW=1MHz / VBW=1MHz / Sweep=AUTO
 - (b) AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=AUTO / Detector=PEAK
5. Repeat the procedures until all the PEAK and AVERAGE versus POLARIZATION are

7.6.4. TEST SETUP



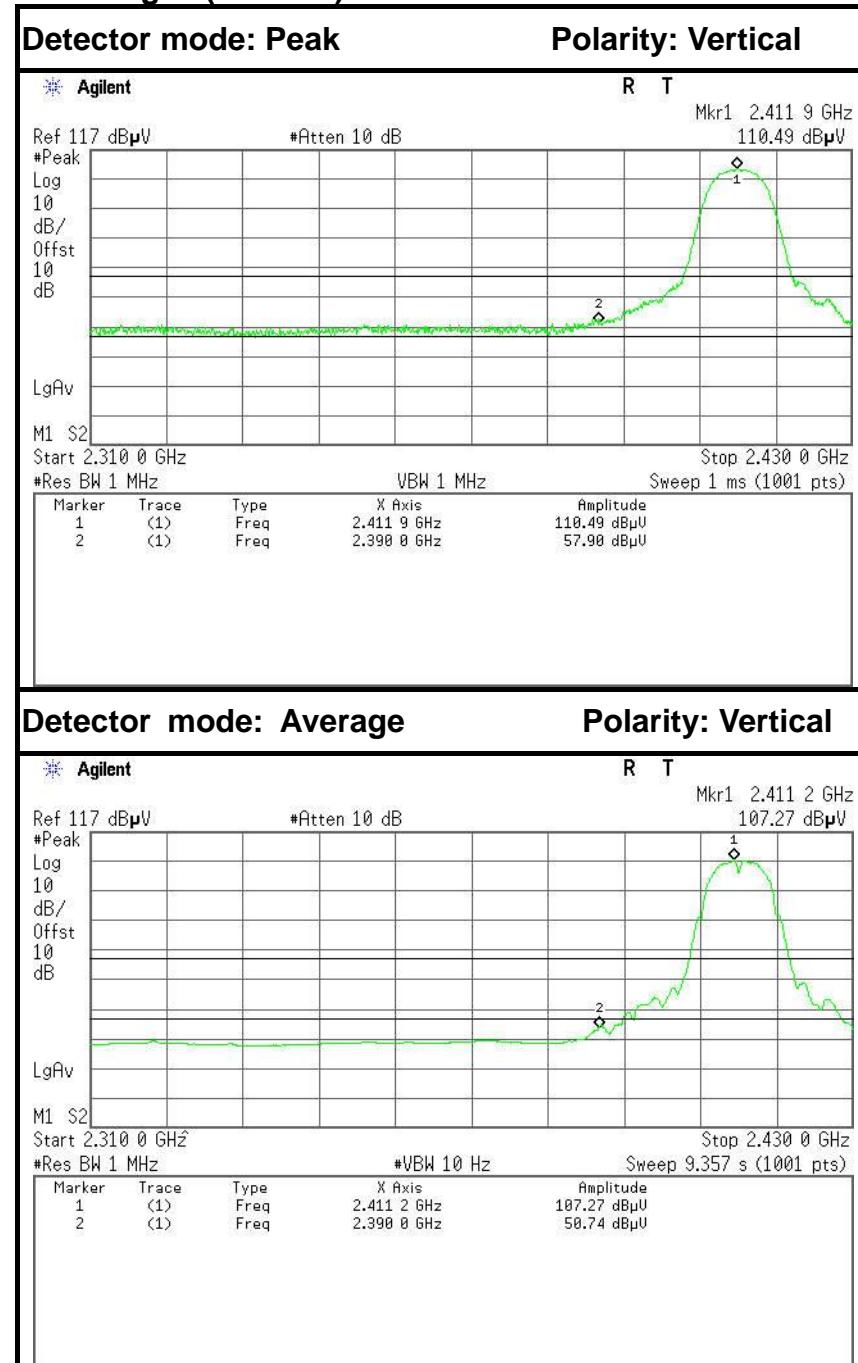


7.6.5. TEST RESULTS

Test Plot

IEEE 802.11b mode (Antenna 0)

Band Edges (CH Low)

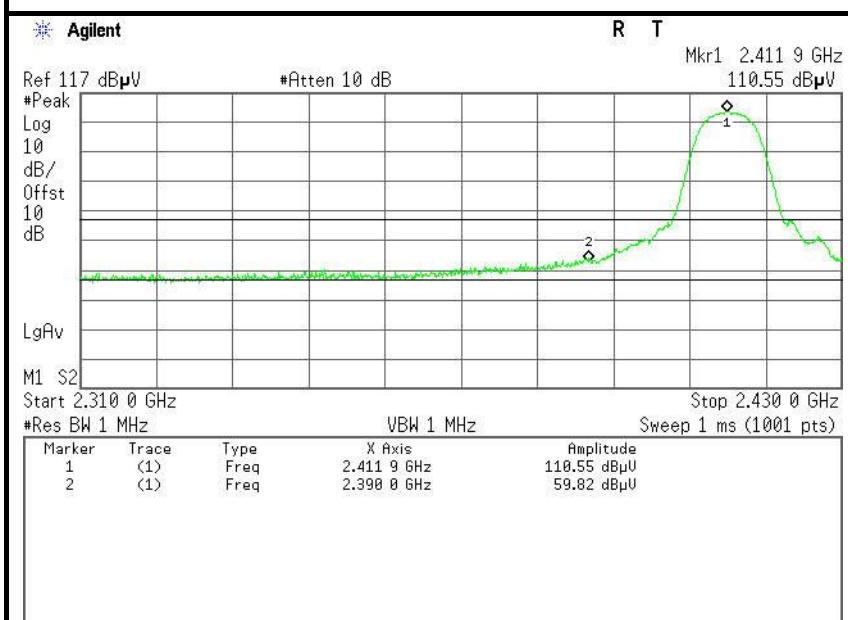


No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB)	Result (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector	Antenna Pole
1	2390.0000	51.30	-6.60	57.90	74.00	-16.10	Peak	Vertical
2	2390.0000	44.14	-6.60	50.74	54.00	-3.26	Average	Vertical



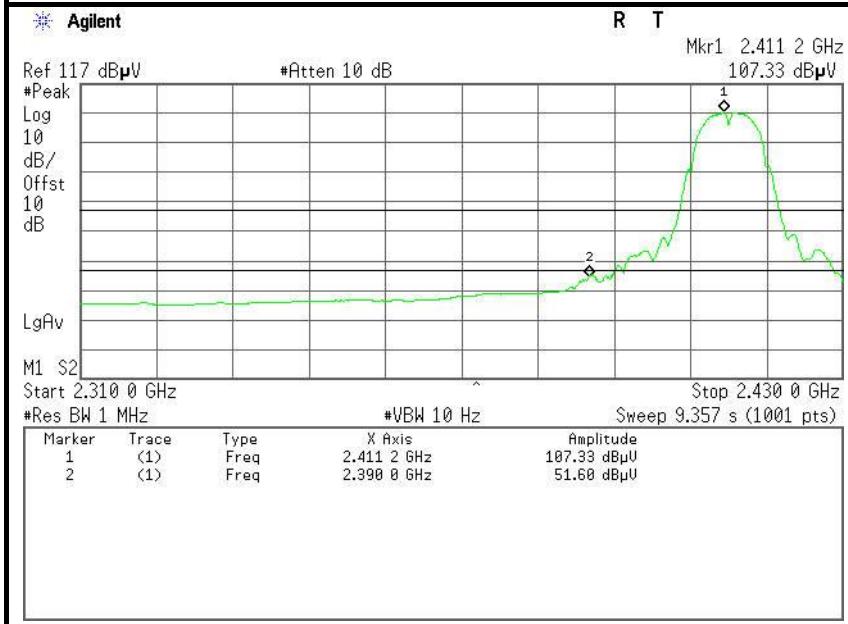
Detector mode: Peak

Polarity: Horizontal



Detector mode: Average

Polarity: Horizontal



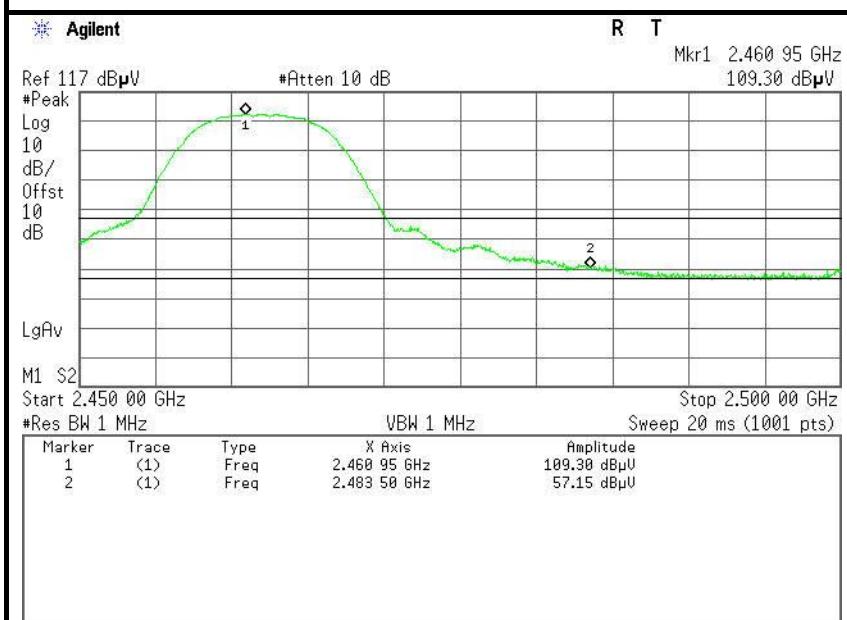
No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB)	Result (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector	Antenna Pole
1	2390.0000	53.22	-6.60	59.82	74.00	-14.18	Peak	Horizontal
2	2390.0000	45.00	-6.60	51.60	54.00	-2.40	Average	Horizontal



Band Edges (CH High)

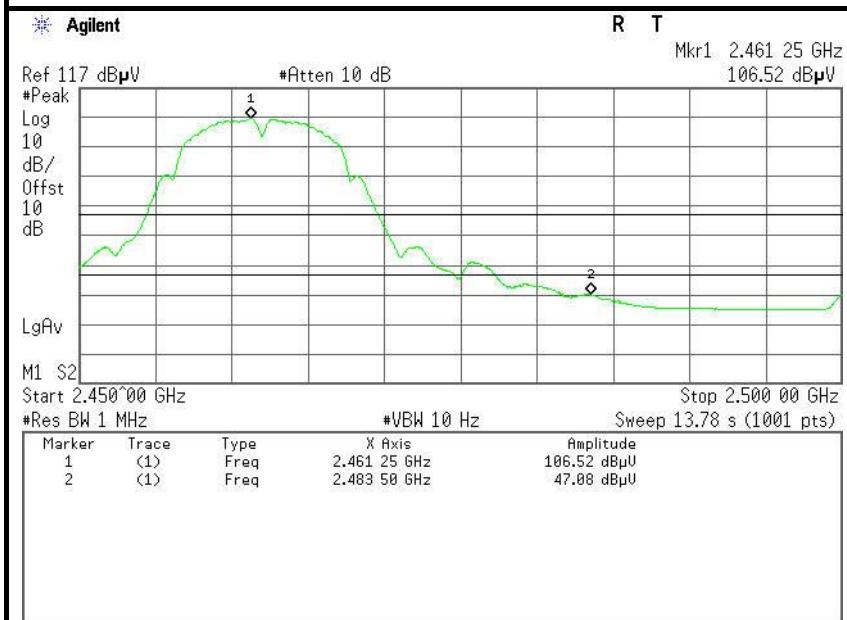
Detector mode: Peak

Polarity: Vertical



Detector mode: Average

Polarity: Vertical

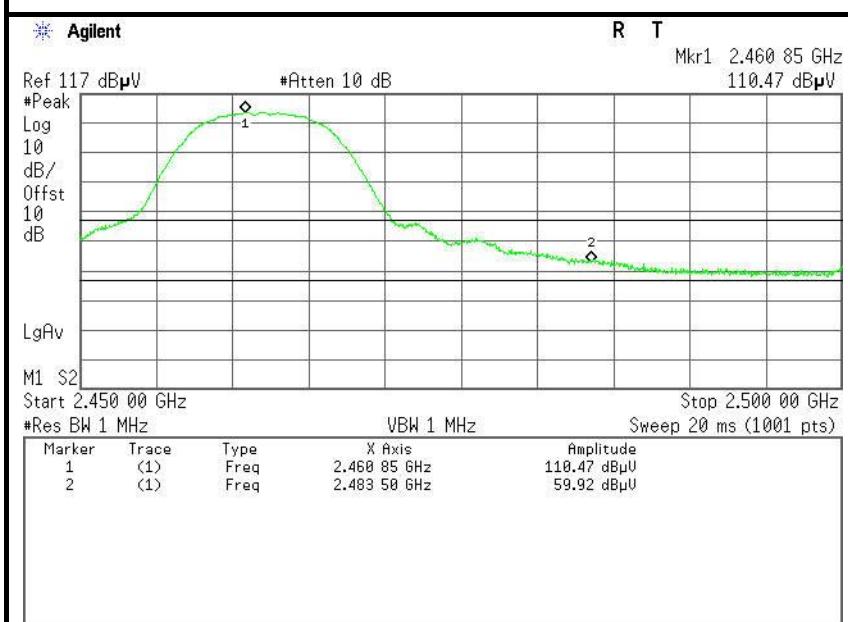


No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB)	Result (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector	Antenna Pole
1	2483.5000	50.91	-6.24	57.15	74.00	-16.85	Peak	Vertical
2	2483.5000	40.84	-6.24	47.08	54.00	-6.92	Average	Vertical



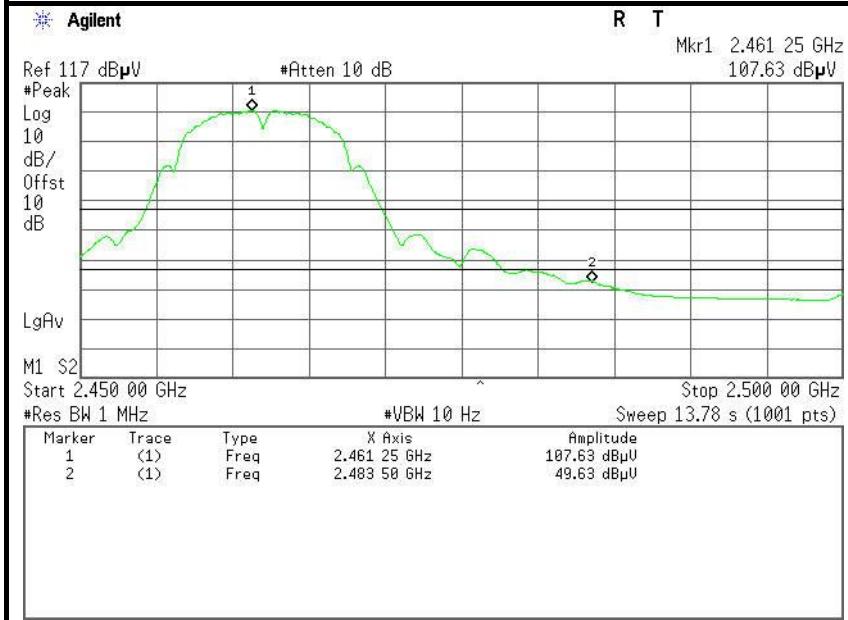
Detector mode: Peak

Polarity: Horizontal



Detector mode: Average

Polarity: Horizontal

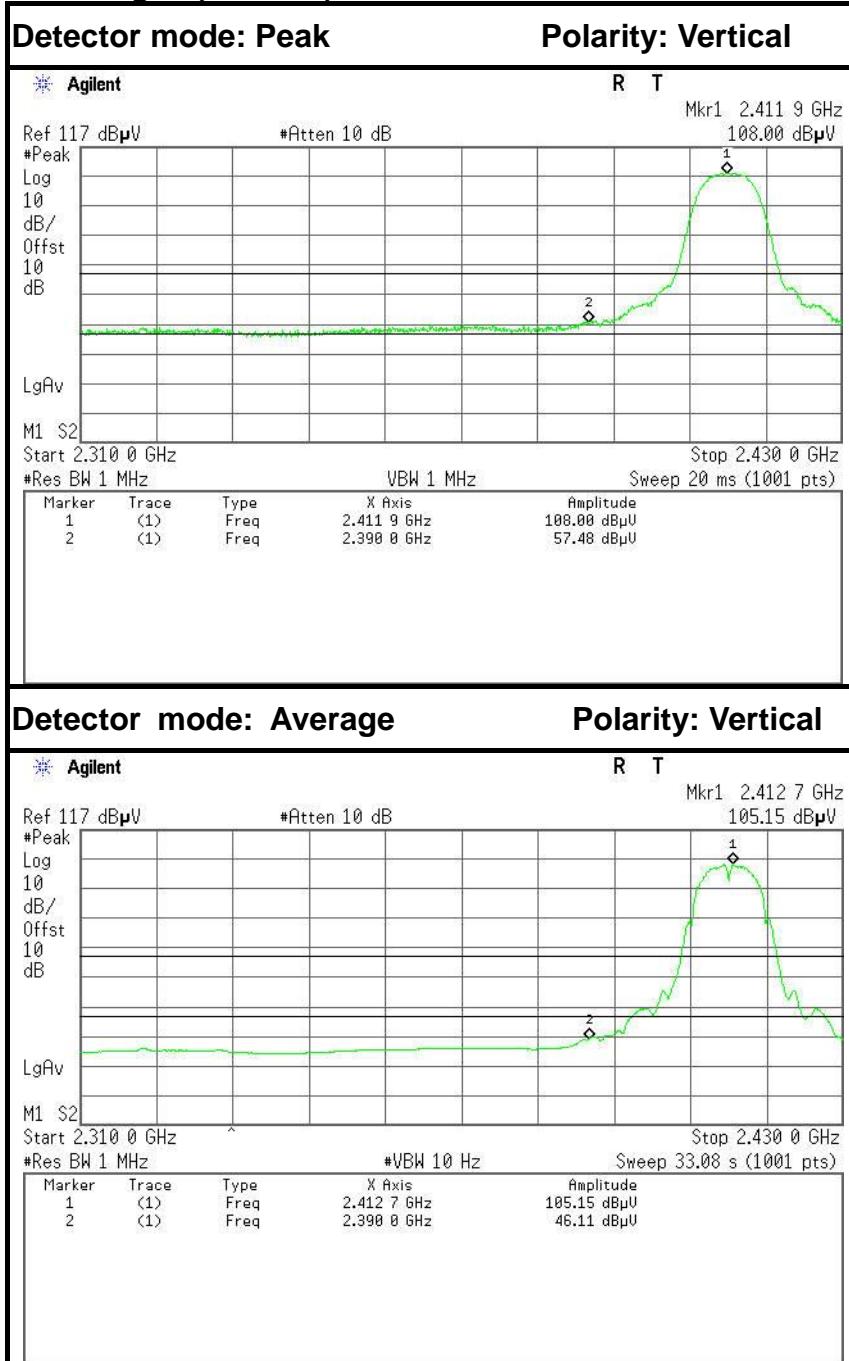


No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB)	Result (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector	Antenna Pole
1	2483.5000	53.68	-6.24	59.92	74.00	-14.08	Peak	Horizontal
2	2483.5000	43.39	-6.24	49.63	54.00	-4.37	Average	Horizontal

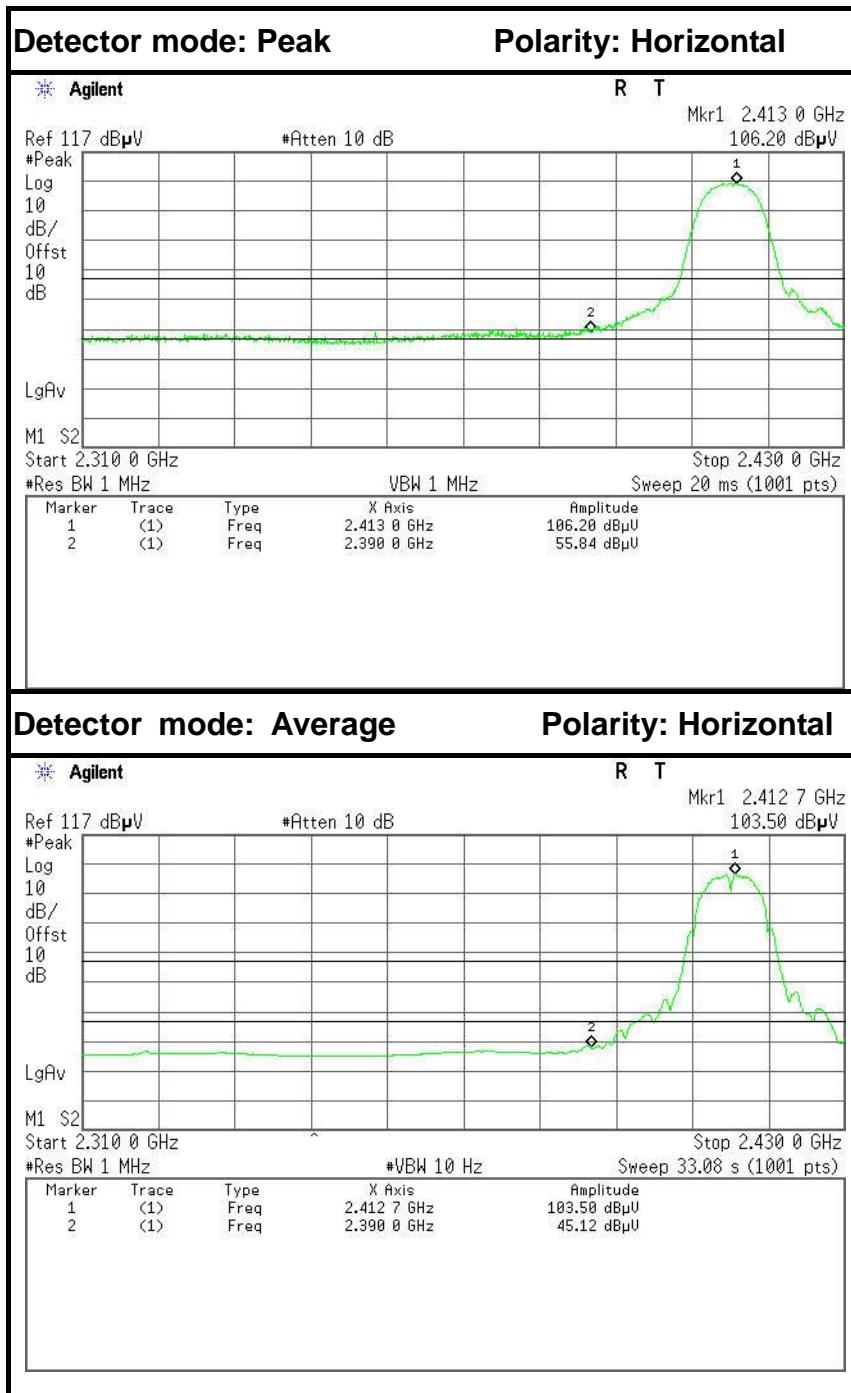


IEEE 802.11b mode (Antenna 1)

Band Edges (CH Low)



No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB)	Result (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector	Antenna Pole
1	2390.0000	50.88	-6.60	57.48	74.00	-16.52	Peak	Vertical
2	2390.0000	39.51	-6.60	46.11	54.00	-7.89	Average	Vertical



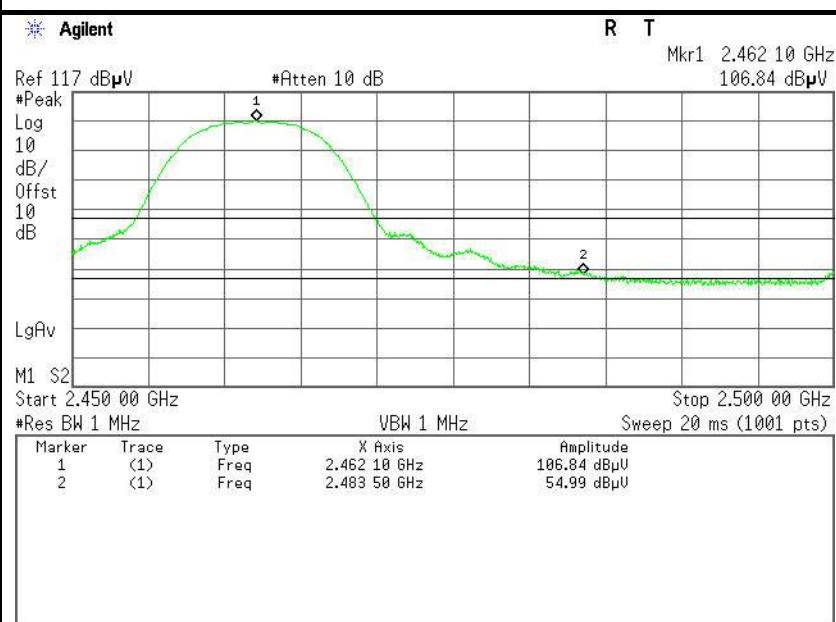
No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB)	Result (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector	Antenna Pole
1	2390.0000	49.24	-6.60	55.84	74.00	-18.16	Peak	Horizontal
2	2390.0000	38.52	-6.60	45.12	54.00	-8.88	Average	Horizontal



Band Edges (CH High)

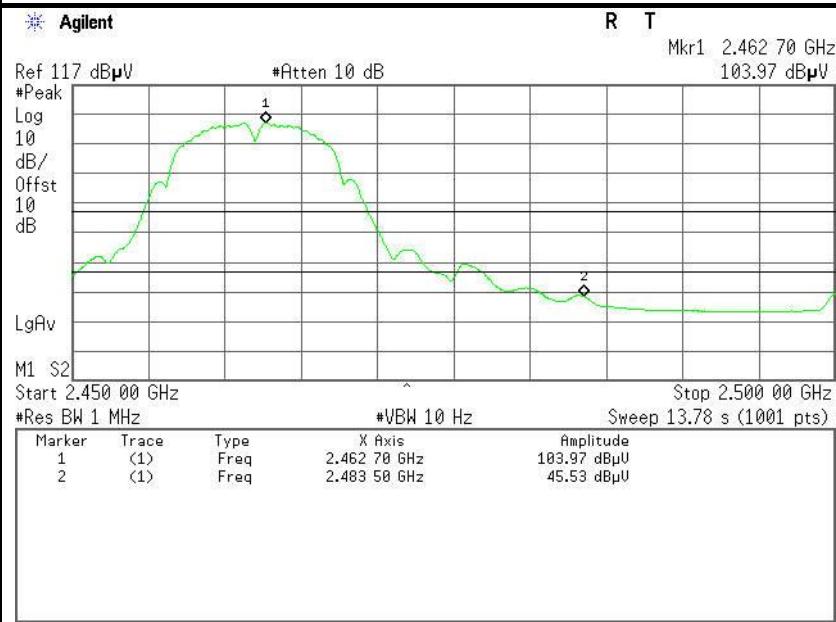
Detector mode: Peak

Polarity: Vertical

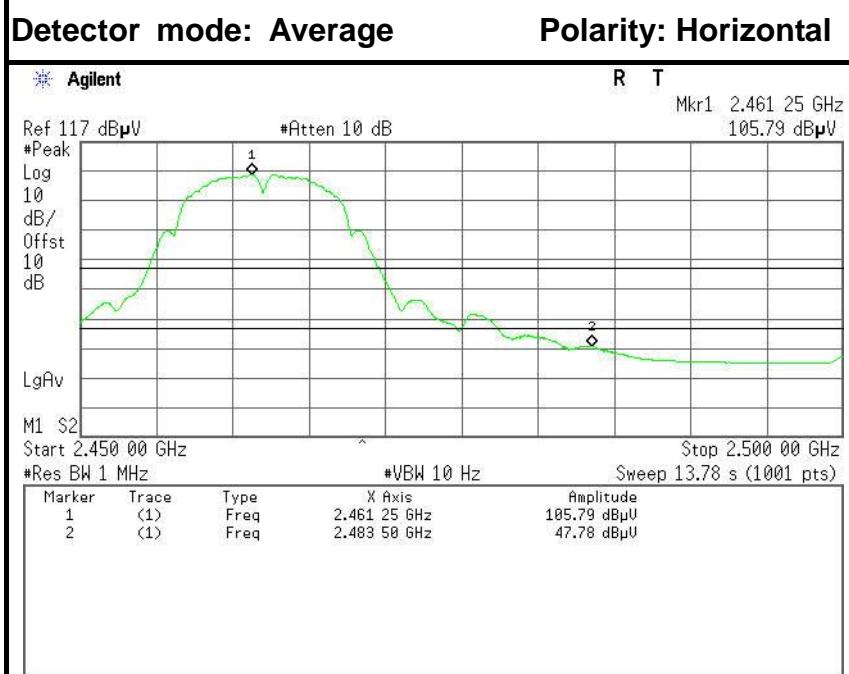
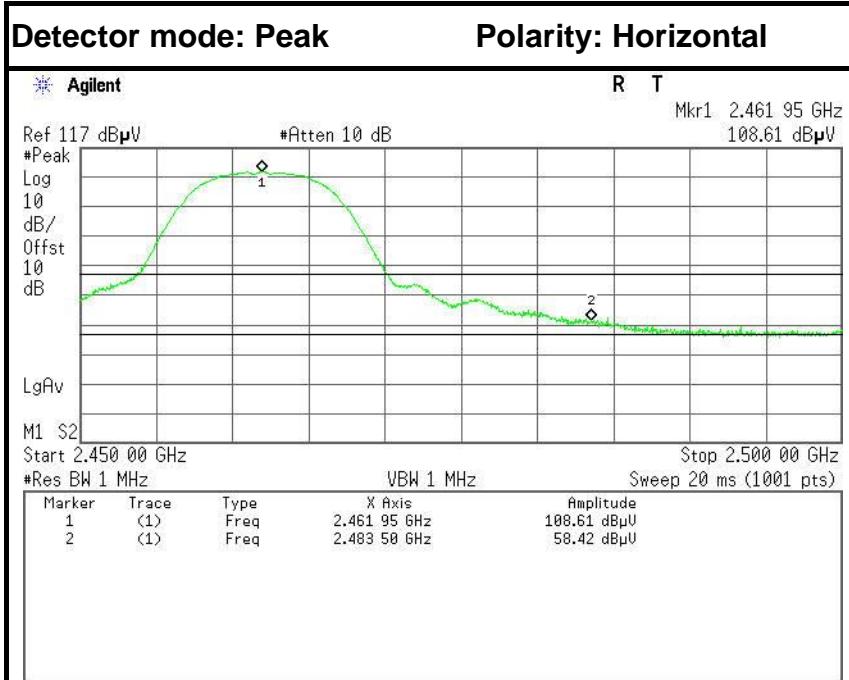


Detector mode: Average

Polarity: Vertical



No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB)	Result (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector	Antenna Pole
1	2483.5000	48.75	-6.24	54.99	74.00	-19.01	Peak	Vertical
2	2483.5000	39.29	-6.24	45.53	54.00	-8.47	Average	Vertical

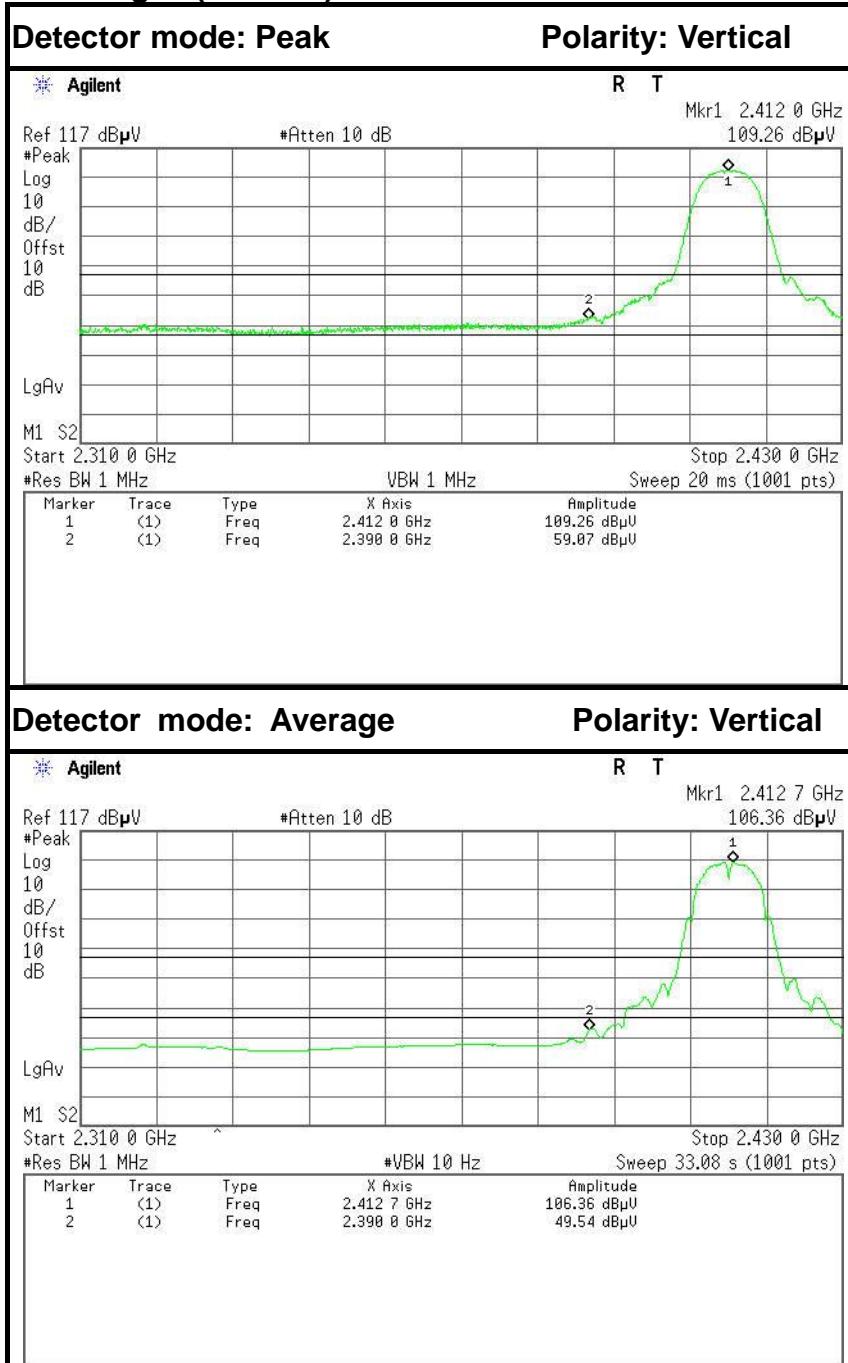


No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB)	Result (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector	Antenna Pole
1	2483.5000	52.18	-6.24	58.42	74.00	-15.58	Peak	Horizontal
2	2483.5000	41.54	-6.24	47.78	54.00	-6.22	Average	Horizontal

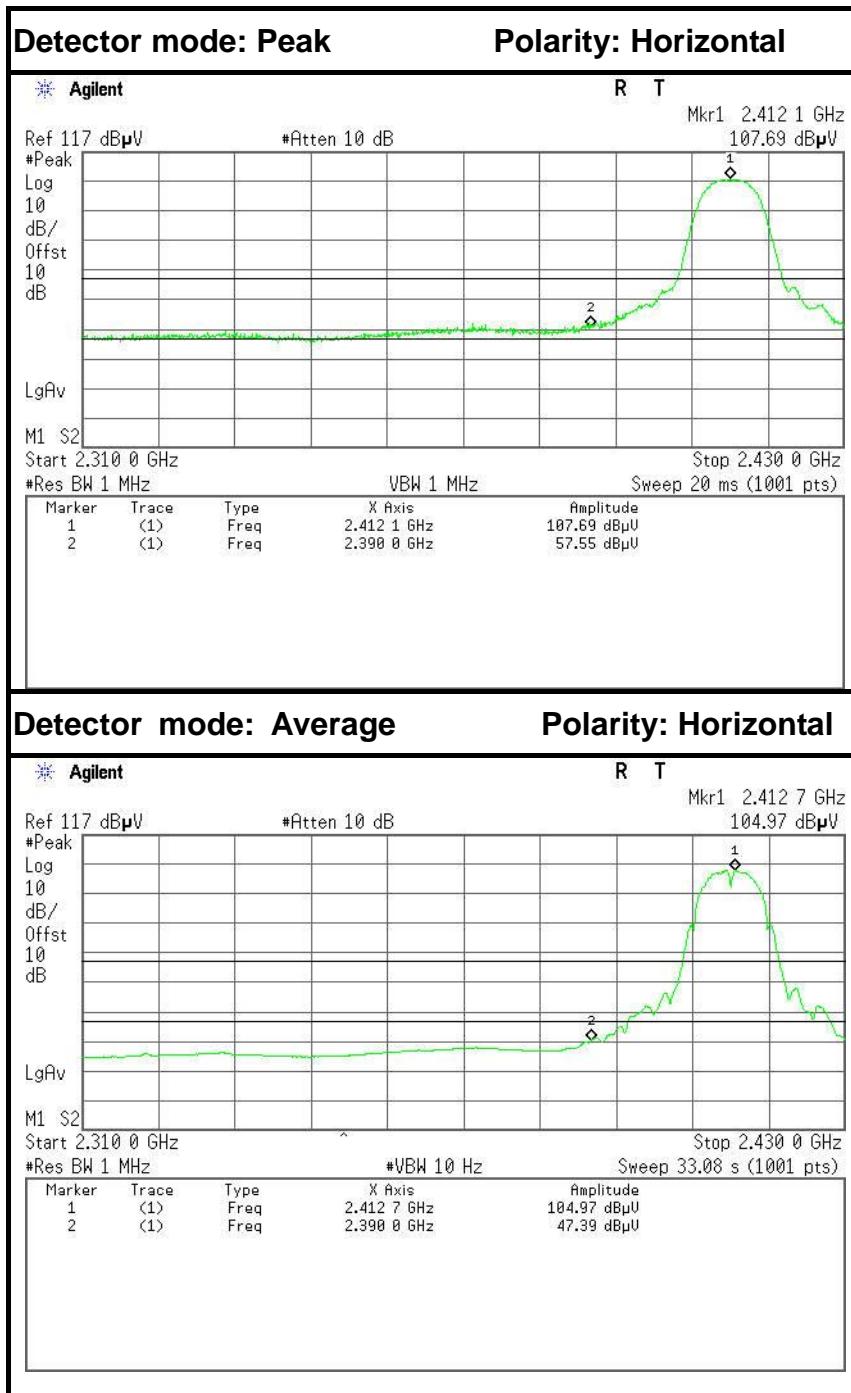


IEEE 802.11b mode (Antenna 2)

Band Edges (CH Low)



No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB)	Result (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector	Antenna Pole
1	2390.0000	52.47	-6.60	59.07	74.00	-14.93	Peak	Vertical
2	2390.0000	42.94	-6.60	49.54	54.00	-4.46	Average	Vertical



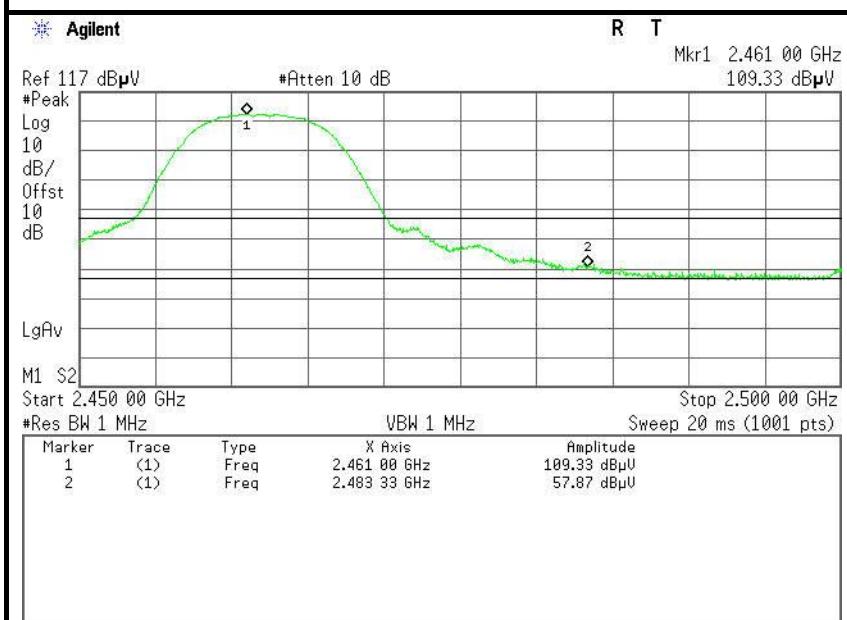
No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB)	Result (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector	Antenna Pole
1	2390.0000	50.95	-6.60	57.55	74.00	-16.45	Peak	Horizontal
2	2390.0000	40.79	-6.60	47.39	54.00	-6.61	Average	Horizontal



Band Edges (CH High)

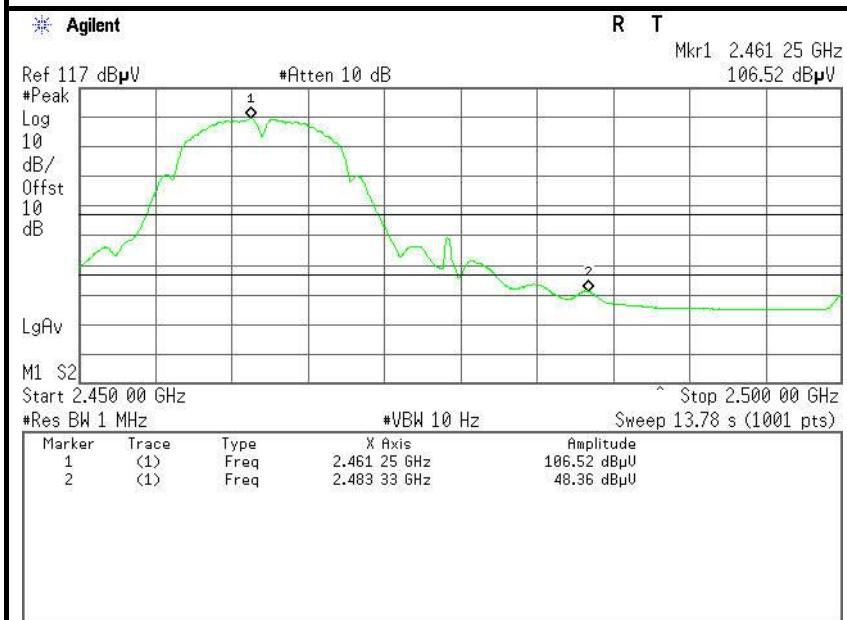
Detector mode: Peak

Polarity: Vertical

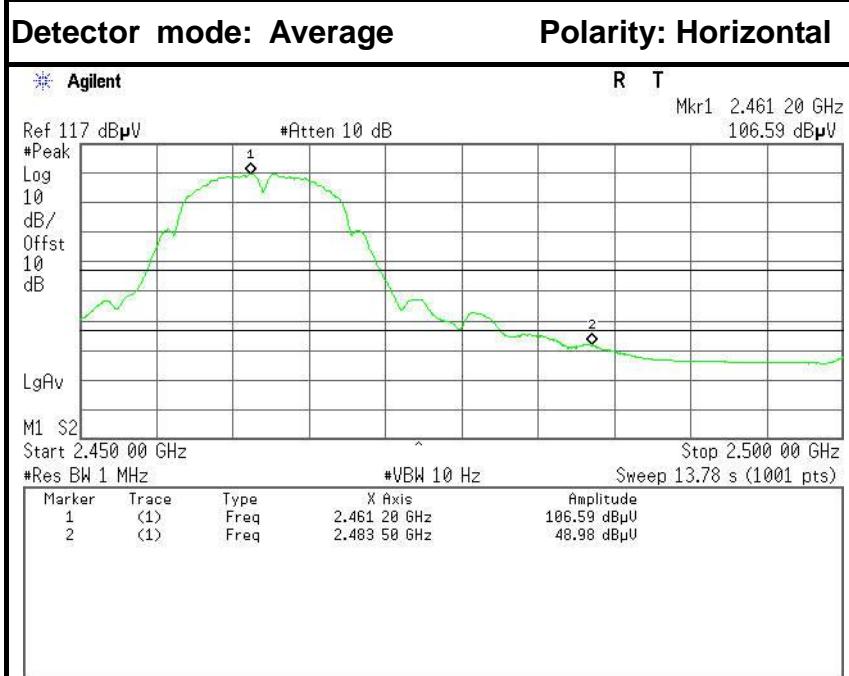
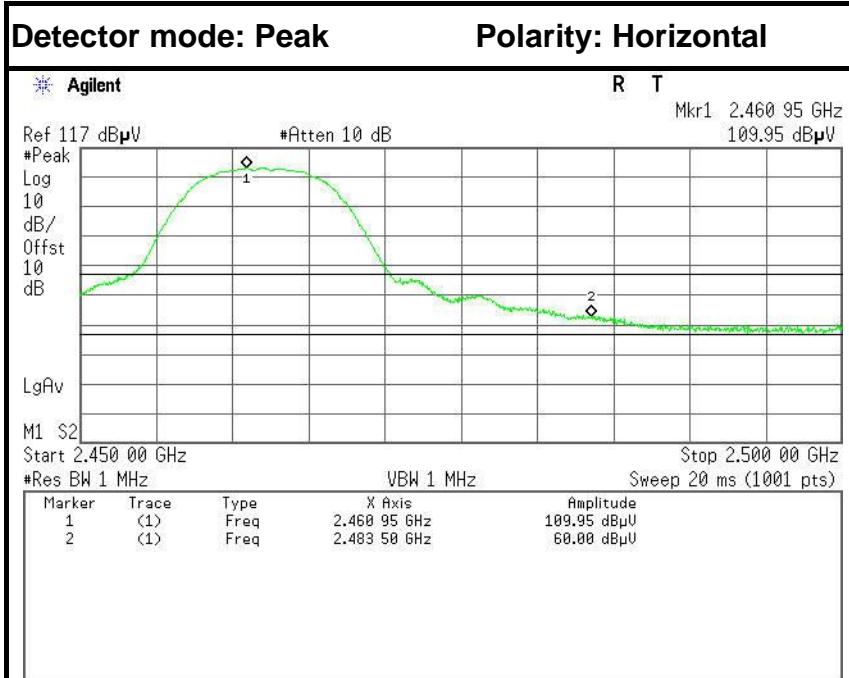


Detector mode: Average

Polarity: Vertical



No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB)	Result (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector	Antenna Pole
1	2483.5000	51.63	-6.24	57.87	74.00	-16.13	Peak	Vertical
2	2483.5000	42.12	-6.24	48.36	54.00	-5.64	Average	Vertical

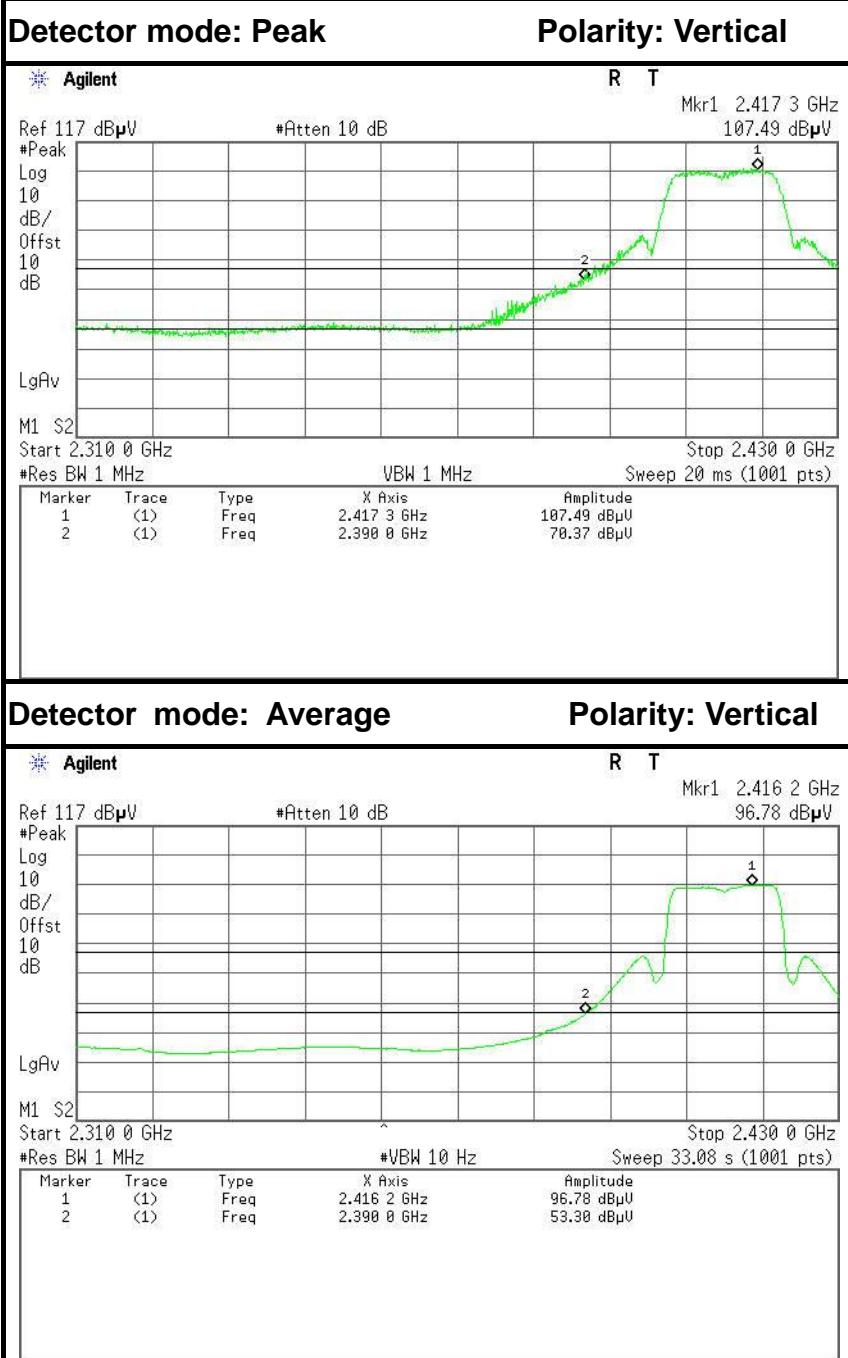


No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB)	Result (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector	Antenna Pole
1	2483.5000	53.76	-6.24	60.00	74.00	-14.00	Peak	Horizontal
2	2483.5000	42.74	-6.24	48.98	54.00	-5.02	Average	Horizontal



IEEE 802.11g mode (Antenna 0)

Band Edges (CH Low)

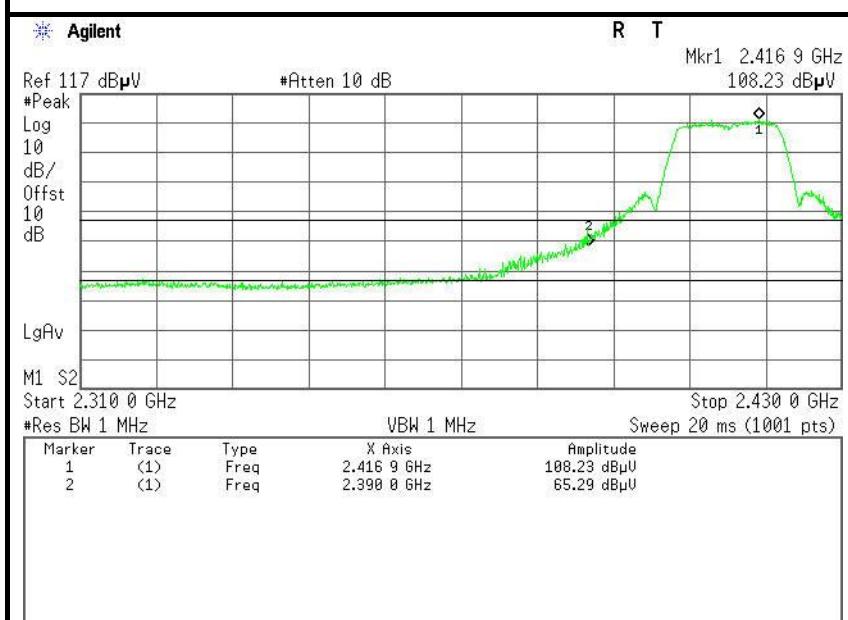


No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Antenna Pole
1	2390.0000	63.77	-6.60	70.37	74.00	-3.63	Peak	Vertical
2	2390.0000	46.70	-6.60	53.30	54.00	-0.70	Average	Vertical



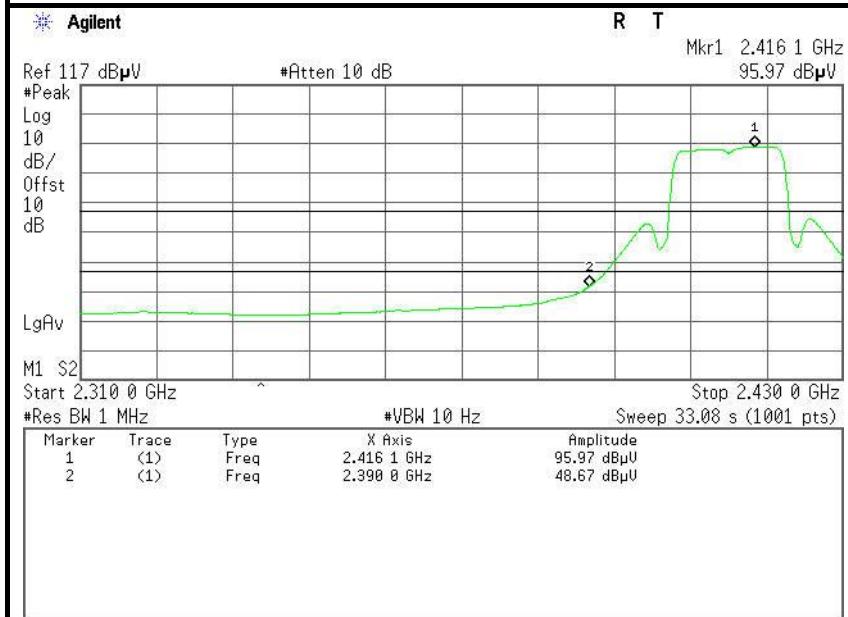
Detector mode: Peak

Polarity: Horizontal



Detector mode: Average

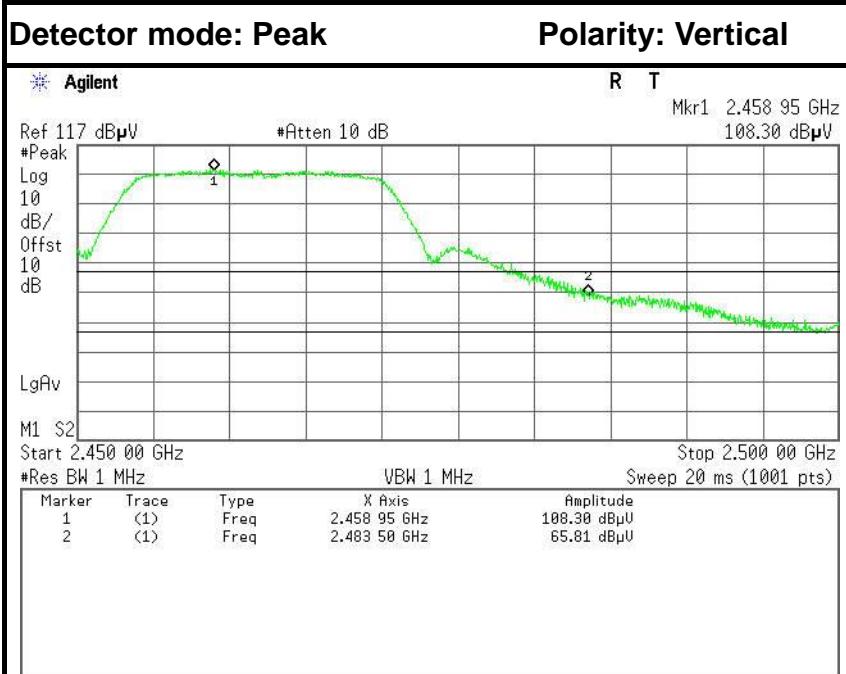
Polarity: Horizontal



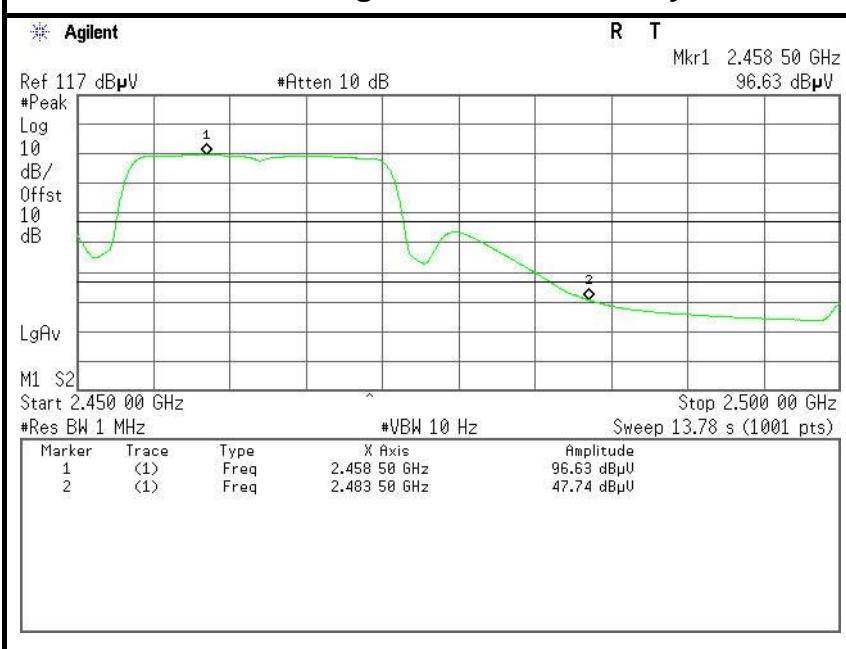
No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB)	Result (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector	Antenna Pole
1	2390.0000	58.69	-6.60	65.29	74.00	-8.71	Peak	Horizontal
2	2390.0000	42.07	-6.60	48.67	54.00	-5.33	Average	Horizontal



Band Edges (CH High)



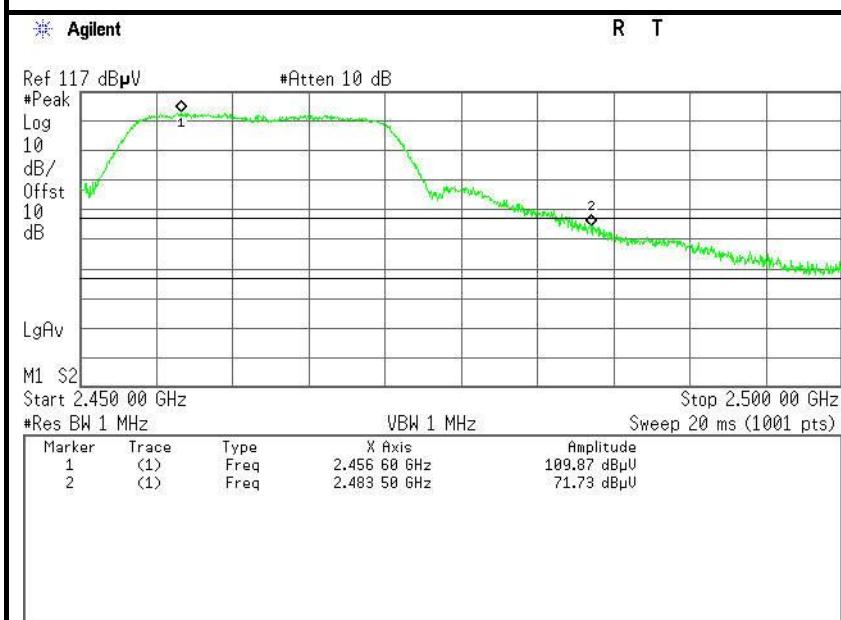
Detector mode: Average Polarity: Vertical



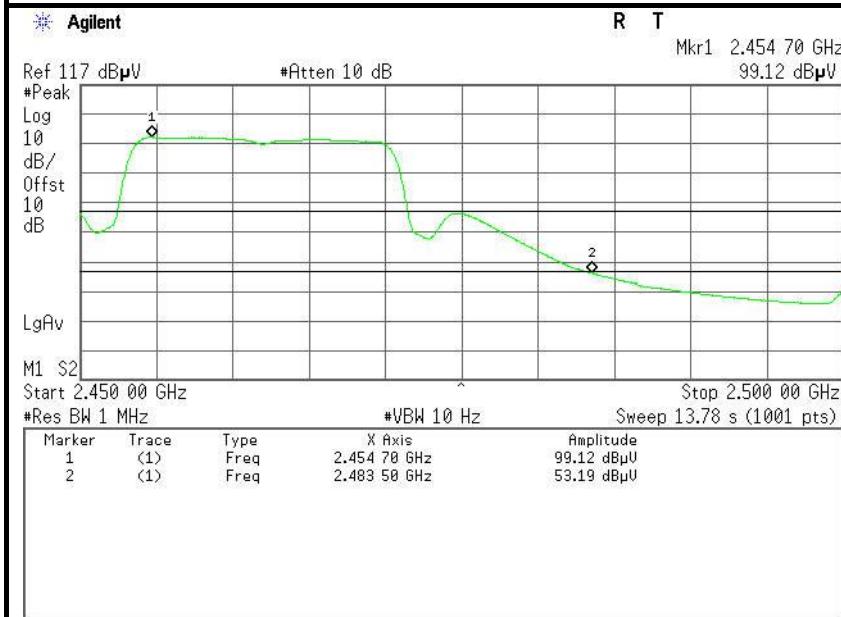
No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB)	Result (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector	Antenna Pole
1	2483.5000	59.57	-6.24	65.81	74.00	-8.19	Peak	Vertical
2	2483.5000	41.50	-6.24	47.74	54.00	-6.26	Average	Vertical



Detector mode: Peak Polarity: Horizontal



Detector mode: Average Polarity: Horizontal

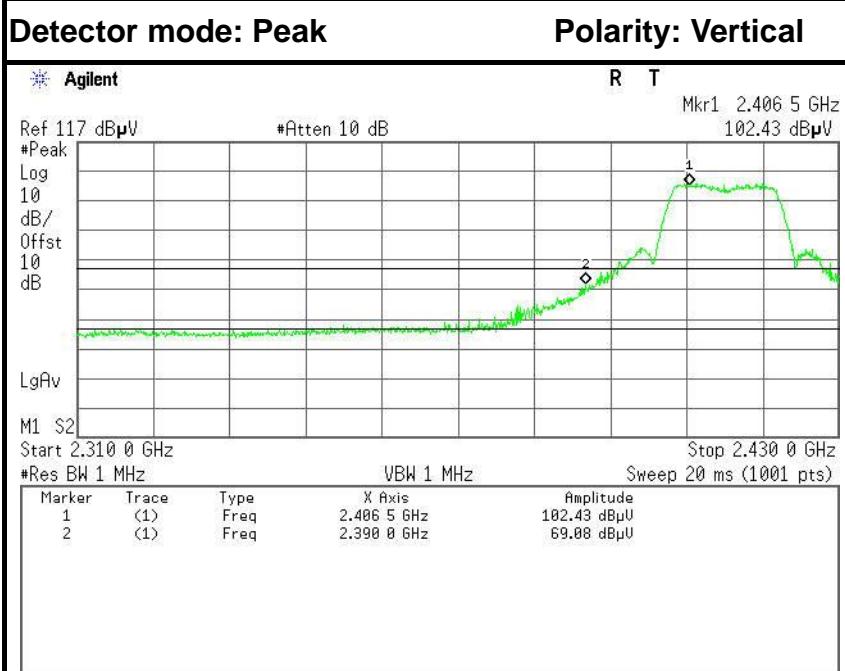


No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB)	Result (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector	Antenna Pole
1	2483.5000	65.49	-6.24	71.73	74.00	-2.27	Peak	Horizontal
2	2483.5000	46.95	-6.24	53.19	54.00	-0.81	Average	Horizontal

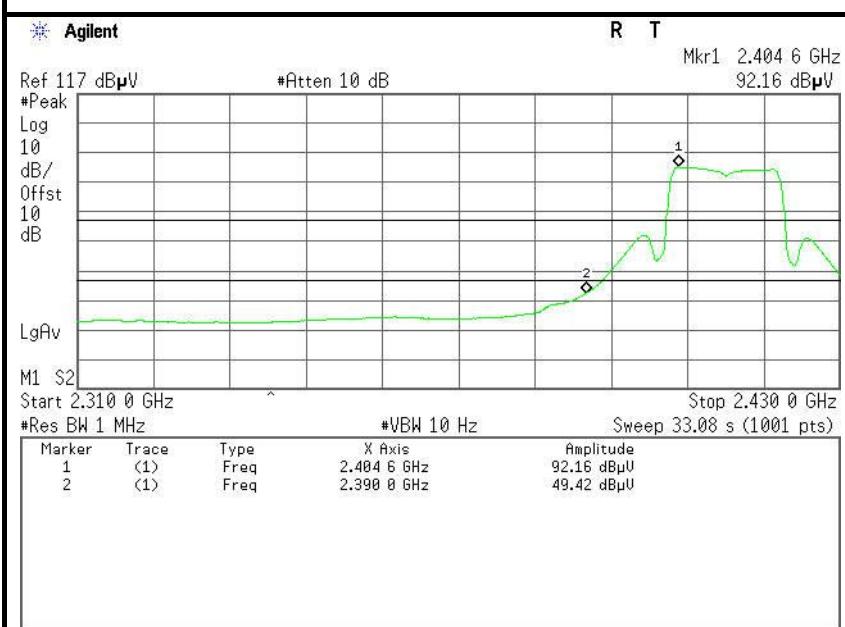


IEEE 802.11g mode (Antenna 1)

Band Edges (CH Low)



Detector mode: Average Polarity: Vertical



No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB)	Result (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector	Antenna Pole
1	2390.0000	62.48	-6.60	69.08	74.00	-4.92	Peak	Vertical
2	2390.0000	42.82	-6.60	49.42	54.00	-4.58	Average	Vertical