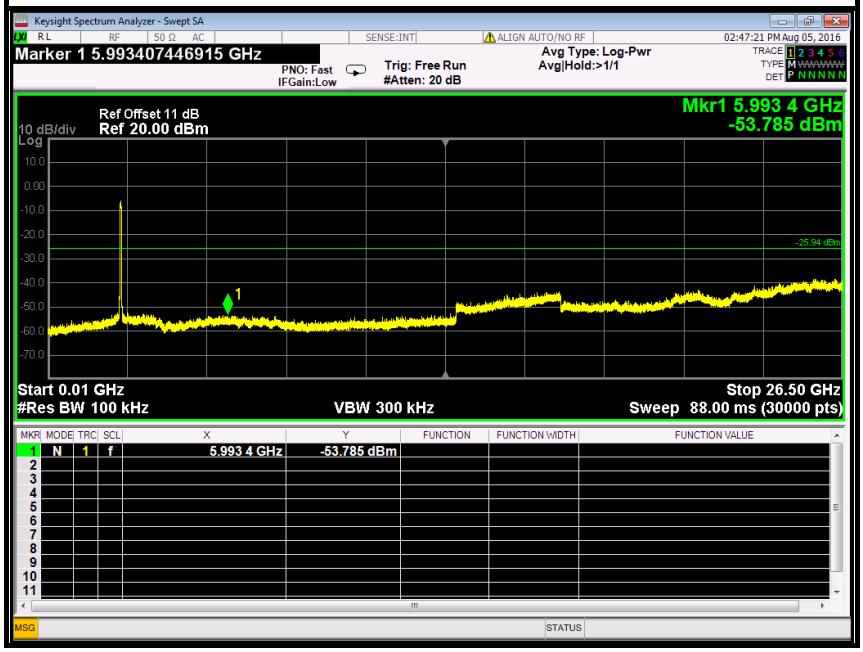
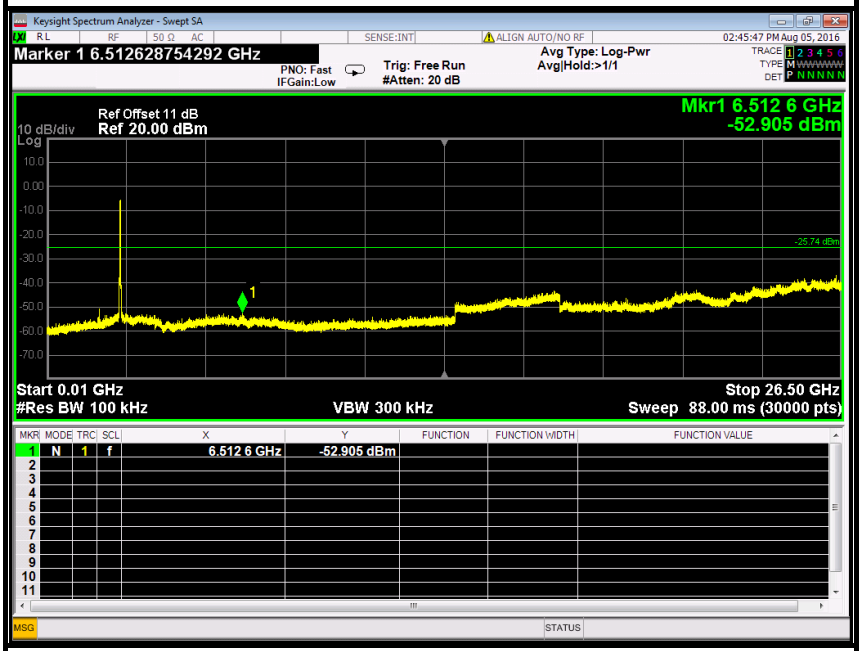
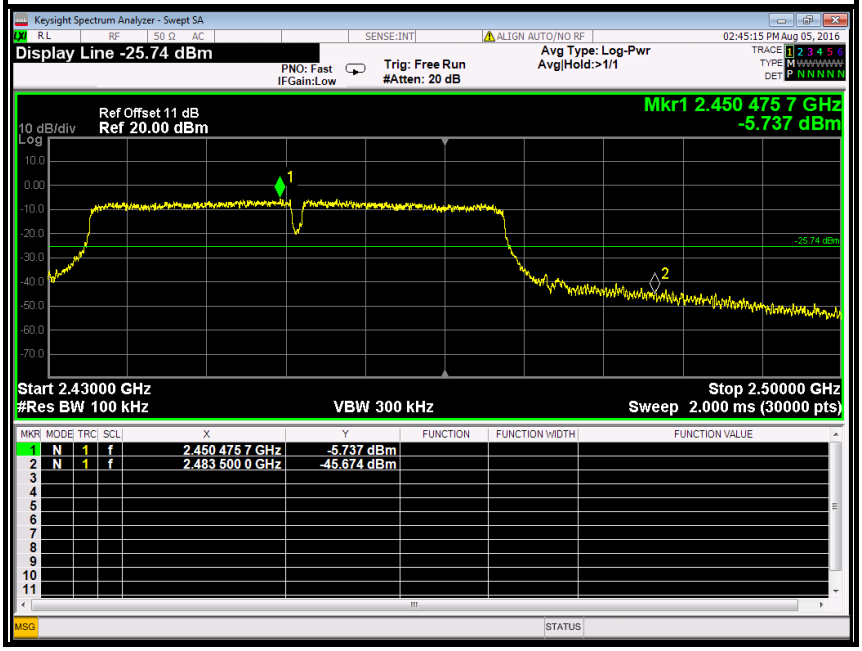
CH Mid (10MHz ~26.5GHz)



CH High (10MHz ~26.5GHz)



CH High (2.43GHz ~2.5GHz)



7.2.2. RADIATED EMISSIONS MEASUREMENT

7.2.2.1. LIMITS OF RADIATED EMISSIONS MEASUREMENT

According to §15.209(a), except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (mV/m)	Measurement Distance (m)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100*	3
88-216	150*	3
216-960	200*	3
Above 960	500	3

Remark: Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

1. In the emission table above, the tighter limit applies at the band edges.

Frequency (MHz)	Field Strength (μV/m at 3-meter)	Field Strength (dBμV/m at 3-meter)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

NOTE:(1) The lower limit shall apply at the transition frequencies.
(2) Emission level (dBuV/m) = 20 log Emission level (uV/m).

7.2.2.2. 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.

7.2.2.3. TEST PROCEDURE (please refer to measurement standard)

1. The EUT is placed on a turntable, which is 0.8m or 1.5m above 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 emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Set the spectrum analyzer in the following setting as:

   Below 1GHz:

   RBW=100kHz / VBW=300kHz / Sweep=AUTO

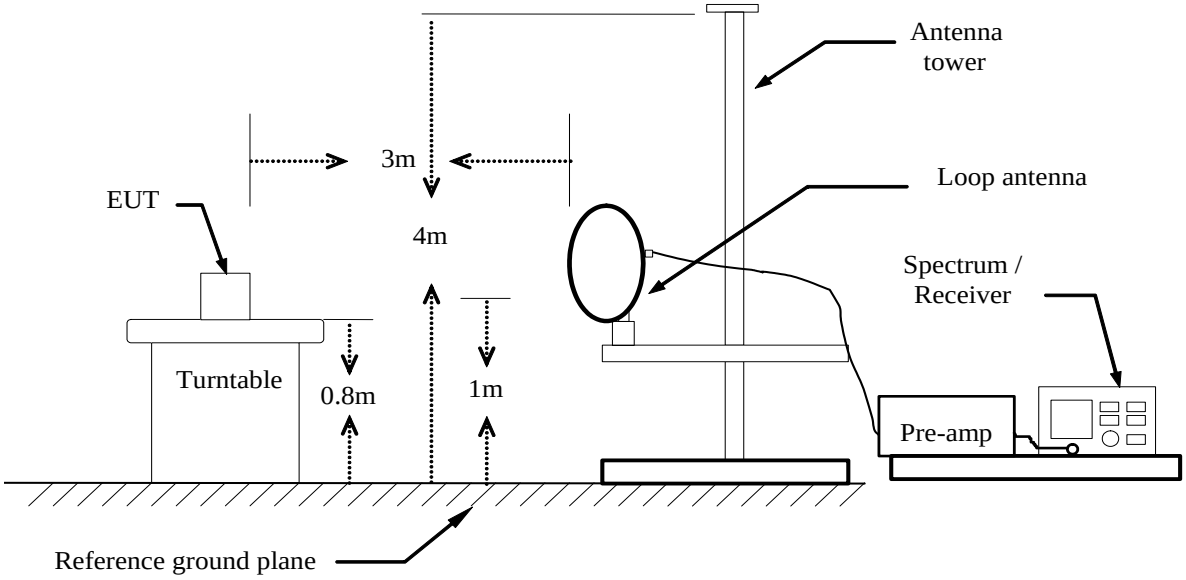
   Above 1GHz:

   (a) PEAK: RBW=1MHz,VBW=3MHz / Sweep=AUTO

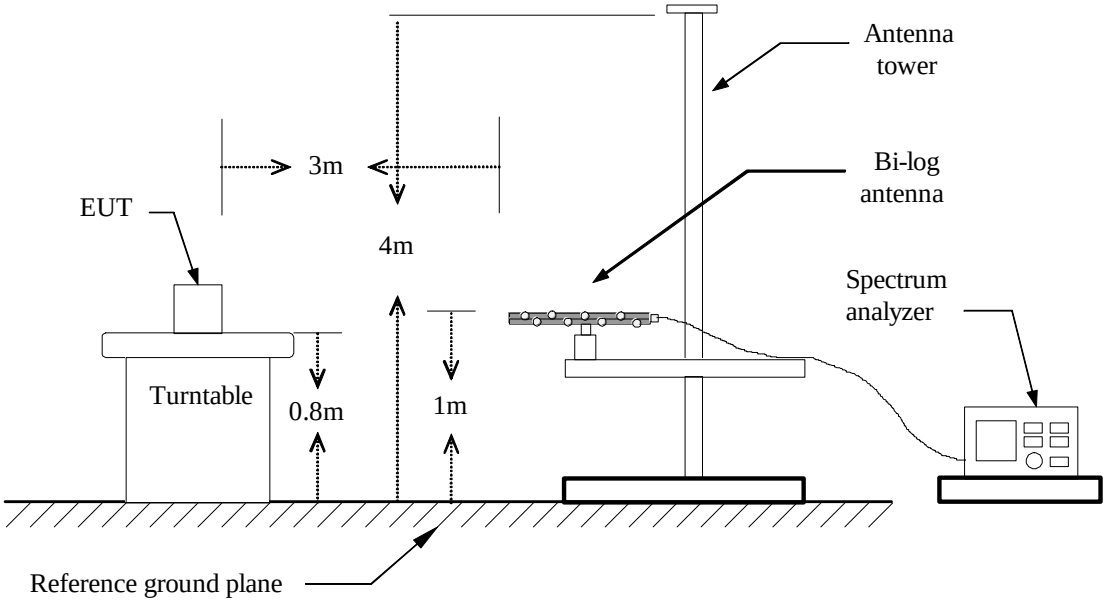
   (b) AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=AUTO / Detector=PEAK
7. Repeat above procedures until the measurements for all frequencies
8. are complete.

7.2.2.4. TEST SETUP

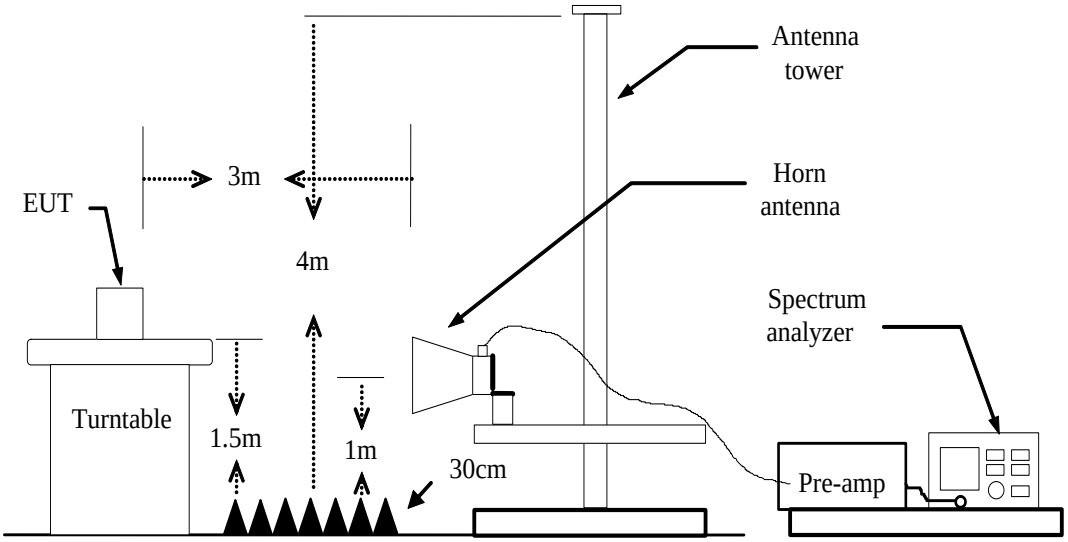
Below 30MHz



Below 1 GHz



Above 1 GHz



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

7.2.2.5. DATA SAPLE

Below 1GHz

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
XXX.XXXX	36.37	-12.20	24.17	40.00	-15.83	V	QP

Frequency (MHz) = Emission frequency in MHz
Reading (dBuV) = Uncorrected Analyzer / Receiver reading
Correct Factor (dB/m) = Antenna factor + Cable loss – Amplifier gain
Result (dBuV/m) = Reading (dBuV) + Corr. Factor (dB/m)
Limit (dBuV/m) = Limit stated in standard
Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)
Q.P. = Quasi-peak Reading

Above 1GHz

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
XXXX.XXXX	62.09	-11.42	50.67	74.00	-23.33	V	Peak
XXXX.XXXX	49.78	-11.42	38.36	54.00	-15.64	V	AVG

Frequency (MHz) = Emission frequency in MHz
Reading (dBuV) = Uncorrected Analyzer / Receiver reading
Correction Factor (dB/m) = Antenna factor + Cable loss – Amplifier gain
Result (dBuV/m) = Reading (dBuV) + Corr. Factor (dB/m)
Limit (dBuV/m) = Limit stated in standard
Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)
Peak = Peak Reading
AVG = Average Reading

Calculation Formula

Margin (dB) = Result (dBuV/m) – Limits (dBuV/m)
Result (dBuV/m) = Reading (dBuV) + Correction Factor

7.2.2.6. TEST RESULTS

Below 1 GHz

Test Mode: TX **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** August 5, 2016

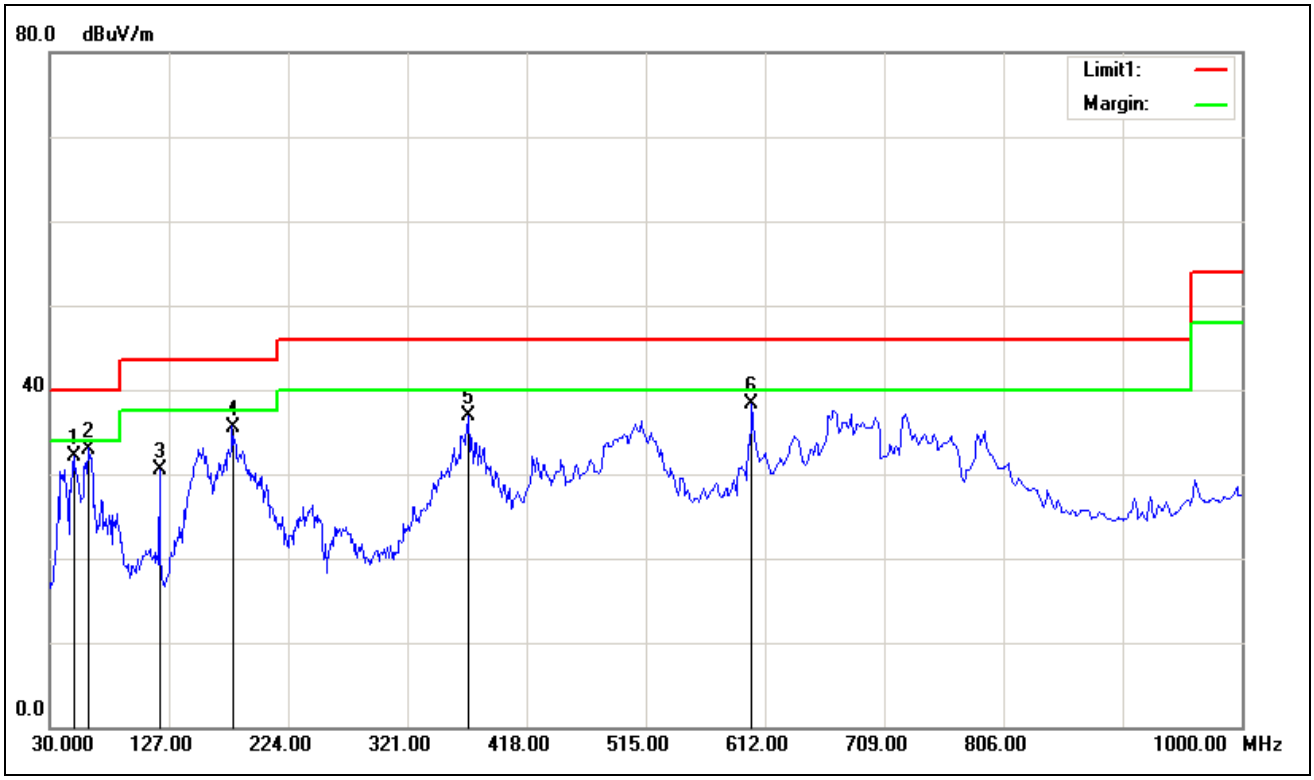
Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
49.5328	44.24	-12.23	32.01	40.00	-7.99	V	QP
61.7781	46.54	-13.54	33.00	40.00	-7.00	V	QP
119.8556	43.44	-13.01	30.43	43.50	-13.07	V	QP
178.7584	49.23	-13.63	35.60	43.50	-7.90	V	QP
370.7023	45.69	-8.73	36.96	46.00	-9.04	V	QP
601.4265	44.05	-5.82	38.23	46.00	-7.77	V	QP
47.4917	41.95	-12.03	29.92	40.00	-10.08	H	QP
150.0107	39.59	-11.86	27.73	43.50	-15.77	H	QP
182.5592	45.55	-13.54	32.01	43.50	-11.49	H	QP
368.1116	50.53	-8.85	41.68	46.00	-4.32	H	QP
601.4265	44.30	-5.82	38.48	46.00	-7.52	H	QP
665.8034	42.00	-4.88	37.12	46.00	-8.88	H	QP

***Remark:** No emission found between lowest internal used/generated frequency to 30MHz.*

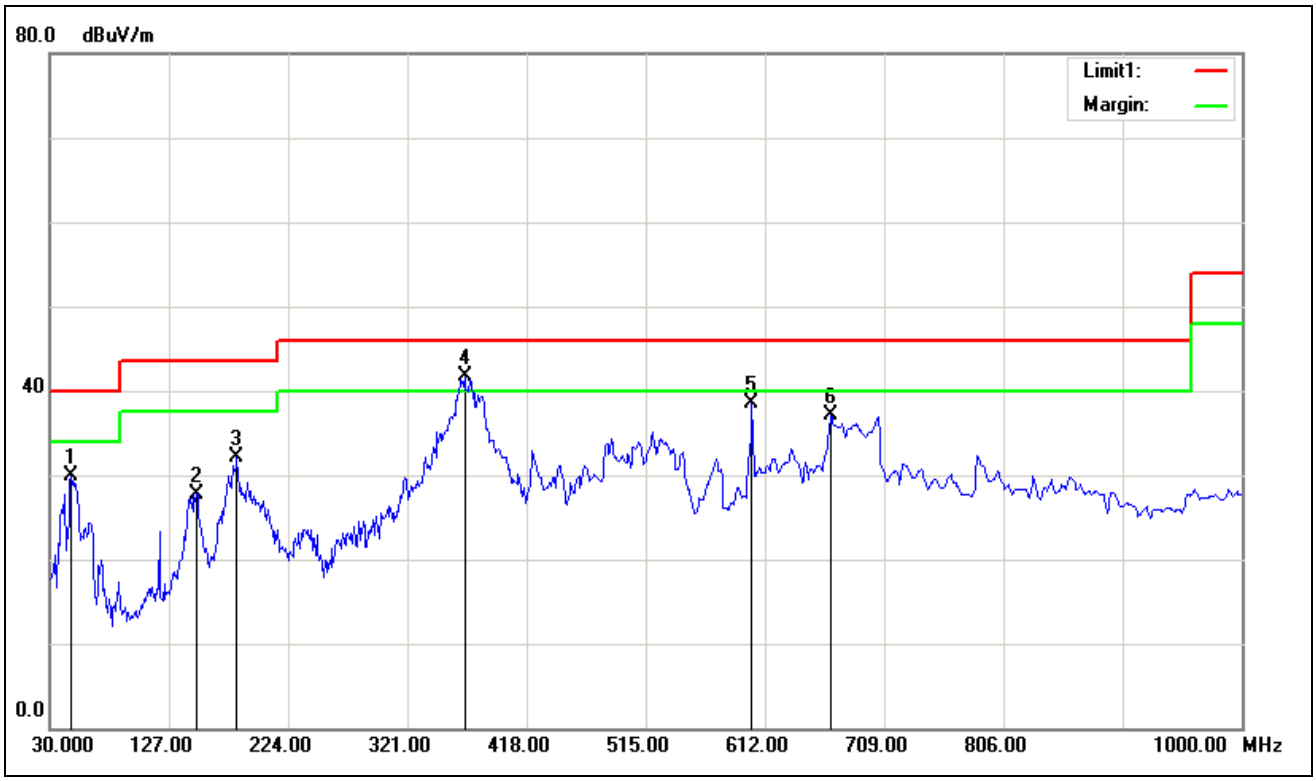
Notes:

1. *Radiated emissions measured in frequency range from 9kHz to 1GHz were made with an instrument using Quasi-peak detector mode.*
2. *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.*
3. *The IF bandwidth of Receiver between 30MHz to 1GHz was 120kHz.*
4. *Frequency (MHz). = Emission frequency in MHz*
   Reading (dBμV/m) = Receiver reading
   Correction Factor (dB) = Antenna factor + Cable loss – Amplifier gain
   Limit (dBμV/m) = Limit stated in standard
   Margin (dB) = Measured (dBμV/m) – Limits (dBμV/m)
   Antenna Pol e(H/V) = Current carrying line of reading

Vertical



Horizontal



Above 1 GHz
Antenna 0
Test Mode: TX / IEEE 802.11b(CH Low) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** July 21, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1990.0000	48.90	-5.06	43.84	74.00	-30.16	V	peak
3997.0000	42.81	1.58	44.39	74.00	-29.61	V	peak
5005.0000	40.69	4.99	45.68	74.00	-28.32	V	peak
5599.0000	44.05	5.91	49.96	74.00	-24.04	V	peak
6949.0000	40.65	7.62	48.27	74.00	-25.73	V	peak
7795.0000	40.46	9.25	49.71	74.00	-24.29	V	peak
1999.0000	46.85	-5.01	41.84	74.00	-32.16	H	Peak
2845.0000	44.24	-1.64	42.60	74.00	-31.40	H	Peak
4213.0000	41.22	2.34	43.56	74.00	-30.44	H	Peak
4825.0000	43.45	4.41	47.86	74.00	-26.14	H	peak
5599.0000	40.92	5.91	46.83	74.00	-27.17	H	peak
6247.0000	40.49	6.48	46.97	74.00	-27.03	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 802.11b (CH Mid) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** July 21, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1990.0000	49.93	-5.06	44.87	74.00	-29.13	V	Peak
3997.0000	47.12	1.58	48.70	74.00	-25.30	V	Peak
5599.0000	41.15	5.91	47.06	74.00	-26.94	V	Peak
6814.0000	39.80	7.40	47.20	74.00	-26.80	V	Peak
7597.0000	39.77	8.86	48.63	74.00	-25.37	V	Peak
8227.0000	40.28	9.53	49.81	74.00	-24.19	V	Peak
1990.0000	46.80	-5.06	41.74	74.00	-32.26	H	Peak
2566.0000	44.92	-2.14	42.78	74.00	-31.22	H	Peak
3331.0000	43.65	-0.80	42.85	74.00	-31.15	H	Peak
3817.0000	42.33	0.82	43.15	74.00	-30.85	H	Peak
4870.0000	42.85	4.56	47.41	74.00	-26.59	H	Peak
5599.0000	42.13	5.91	48.04	74.00	-25.96	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 802.11b (CH High) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** July 21, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1990.0000	49.93	-5.06	44.87	74.00	-29.13	V	Peak
3997.0000	47.12	1.58	48.70	74.00	-25.30	V	Peak
5599.0000	41.15	5.91	47.06	74.00	-26.94	V	Peak
6814.0000	39.80	7.40	47.20	74.00	-26.80	V	Peak
7597.0000	39.77	8.86	48.63	74.00	-25.37	V	Peak
8227.0000	40.28	9.53	49.81	74.00	-24.19	V	Peak
1747.0000	52.99	-6.38	46.61	74.00	-27.39	H	Peak
4609.0000	40.79	3.71	44.50	74.00	-29.50	H	Peak
5599.0000	41.98	5.91	47.89	74.00	-26.11	H	Peak
6544.0000	41.18	6.96	48.14	74.00	-25.86	H	Peak
7714.0000	40.18	9.09	49.27	74.00	-24.73	H	Peak
8542.0000	39.84	9.35	49.19	74.00	-24.81	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).*

Antenna 1

Test Mode: TX / IEEE 802.11b(CH Low) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** July 21, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1990.000	47.90	-5.06	42.84	74.00	-31.16	V	peak
2845.000	43.57	-1.64	41.93	74.00	-32.07	V	peak
3997.000	42.81	1.58	44.39	74.00	-29.61	V	peak
5005.000	40.69	4.99	45.68	74.00	-28.32	V	peak
5599.000	41.55	5.91	47.46	74.00	-26.54	V	peak
6949.000	40.65	7.62	48.27	74.00	-25.73	V	peak
1999.000	48.86	-5.01	43.85	74.00	-30.15	H	Peak
2494.000	46.01	-2.29	43.72	74.00	-30.28	H	Peak
2845.000	45.24	-1.64	43.60	74.00	-30.40	H	Peak
4825.000	43.45	4.41	47.86	74.00	-26.14	H	peak
5599.000	40.92	5.91	46.83	74.00	-27.17	H	peak
6706.000	40.23	7.22	47.45	74.00	-26.55	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 802.11b (CH Mid) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** July 21, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1297.000	49.15	-7.44	41.71	74.00	-32.29	V	Peak
2629.000	45.31	-2.03	43.28	74.00	-30.72	V	Peak
3322.000	43.91	-0.82	43.09	74.00	-30.91	V	Peak
4231.000	42.88	2.40	45.28	74.00	-28.72	V	Peak
5599.000	41.65	5.91	47.56	74.00	-26.44	V	Peak
6274.000	40.20	6.52	46.72	74.00	-27.28	V	Peak
1990.000	47.80	-5.06	42.74	74.00	-31.26	H	Peak
2566.000	45.42	-2.14	43.28	74.00	-30.72	H	Peak
3331.000	44.15	-0.80	43.35	74.00	-30.65	H	Peak
3817.000	42.83	0.82	43.65	74.00	-30.35	H	Peak
5374.000	39.82	5.65	45.47	74.00	-28.53	H	Peak
6499.000	39.52	6.89	46.41	74.00	-27.59	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 802.11b (CH High) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** July 21, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1990.000	51.43	-5.06	46.37	74.00	-27.63	V	Peak
3997.000	43.62	1.58	45.20	74.00	-28.80	V	Peak
4717.000	41.76	4.06	45.82	74.00	-28.18	V	Peak
5599.000	41.15	5.91	47.06	74.00	-26.94	V	Peak
6274.000	39.70	6.52	46.22	74.00	-27.78	V	Peak
6832.000	39.57	7.43	47.00	74.00	-27.00	V	Peak
1747.000	51.49	-6.38	45.11	74.00	-28.89	H	Peak
2548.000	45.70	-2.17	43.53	74.00	-30.47	H	Peak
4159.000	41.79	2.15	43.94	74.00	-30.06	H	Peak
5230.000	40.26	5.39	45.65	74.00	-28.35	H	Peak
6139.000	40.23	6.31	46.54	74.00	-27.46	H	Peak
6544.000	41.18	6.96	48.14	74.00	-25.86	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).*

Antenna 0

Test Mode: TX / IEEE 802.11g(CH Low) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** July 21, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1747.0000	51.85	-6.38	45.47	74.00	-28.53	V	Peak
3997.0000	43.81	1.58	45.39	74.00	-28.61	V	Peak
5599.0000	41.56	5.91	47.47	74.00	-26.53	V	Peak
6949.0000	39.80	7.62	47.42	74.00	-26.58	V	Peak
8065.0000	40.11	9.61	49.72	74.00	-24.28	V	Peak
9649.0000	42.24	10.97	53.21	74.00	-20.79	V	Peak
9649.0000	40.32	10.97	51.29	54.00	-2.71	V	AVG
1999.0000	48.14	-5.01	43.13	74.00	-30.87	H	Peak
4825.0000	44.53	4.41	48.94	74.00	-25.06	H	Peak
5599.0000	41.93	5.91	47.84	74.00	-26.16	H	Peak
6958.0000	41.35	7.63	48.98	74.00	-25.02	H	Peak
8263.0000	39.97	9.51	49.48	74.00	-24.52	H	Peak
9649.0000	45.51	10.97	56.48	74.00	-17.52	H	Peak
9649.0000	40.71	10.97	51.68	54.00	-2.32	H	AVG

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 802.11g (CH Mid) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** July 21, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1990.0000	49.83	-5.06	44.77	74.00	-29.23	V	Peak
3997.0000	42.97	1.58	44.55	74.00	-29.45	V	Peak
5599.0000	42.30	5.91	48.21	74.00	-25.79	V	Peak
6931.0000	40.11	7.59	47.70	74.00	-26.30	V	Peak
7903.0000	40.24	9.46	49.70	74.00	-24.30	V	Peak
9748.0000	44.19	11.25	55.44	74.00	-18.56	V	Peak
9748.0000	40.04	11.25	51.29	54.00	-2.71	V	AVG
1765.0000	53.88	-6.35	47.53	74.00	-26.47	H	Peak
3439.0000	43.78	-0.62	43.16	74.00	-30.84	H	Peak
4249.0000	41.20	2.47	43.67	74.00	-30.33	H	Peak
4870.0000	41.34	4.56	45.90	74.00	-28.10	H	Peak
5599.0000	40.25	5.91	46.16	74.00	-27.84	H	Peak
6580.0000	40.84	7.02	47.86	74.00	-26.14	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 802.11g (CH High) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** July 21, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1999.0000	49.09	-5.01	44.08	74.00	-29.92	V	Peak
2458.0000	45.54	-2.49	43.05	74.00	-30.95	V	Peak
3997.0000	42.49	1.58	44.07	74.00	-29.93	V	Peak
5599.0000	43.40	5.91	49.31	74.00	-24.69	V	Peak
7912.0000	39.90	9.48	49.38	74.00	-24.62	V	Peak
9847.0000	43.13	11.54	54.67	74.00	-19.33	V	Peak
9847.0000	39.74	11.54	51.28	54.00	-2.72	V	AVG
2458.0000	50.44	-2.49	47.95	74.00	-26.05	H	Peak
4591.0000	40.30	3.65	43.95	74.00	-30.05	H	Peak
4924.0000	45.05	4.73	49.78	74.00	-24.22	H	Peak
6859.0000	39.67	7.47	47.14	74.00	-26.86	H	Peak
7606.0000	39.95	8.88	48.83	74.00	-25.17	H	Peak
9847.0000	42.73	11.54	54.27	74.00	-19.73	H	Peak
9847.0000	38.85	11.54	50.39	54.00	-3.61	H	AVG

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).*

Antenna 1

Test Mode: TX / IEEE 802.11g(CH Low) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** July 21, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1351.0000	48.64	-7.24	41.40	74.00	-32.60	V	Peak
2539.0000	45.17	-2.19	42.98	74.00	-31.02	V	Peak
3259.0000	44.34	-0.92	43.42	74.00	-30.58	V	Peak
3997.0000	44.01	1.58	45.59	74.00	-28.41	V	Peak
5599.0000	41.55	5.91	47.46	74.00	-26.54	V	Peak
6733.0000	41.39	7.27	48.66	74.00	-25.34	V	Peak
1423.0000	48.81	-7.02	41.79	74.00	-32.21	H	Peak
2485.0000	46.03	-2.34	43.69	74.00	-30.31	H	Peak
3169.0000	44.36	-1.08	43.28	74.00	-30.72	H	Peak
4825.0000	45.80	4.41	50.21	74.00	-23.79	H	Peak
5599.0000	42.28	5.91	48.19	74.00	-25.81	H	Peak
6949.0000	41.28	7.62	48.90	74.00	-25.10	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 802.11g (CH Mid) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** July 21, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1576.0000	48.84	-6.74	42.10	74.00	-31.90	V	Peak
2512.0000	45.65	-2.24	43.41	74.00	-30.59	V	Peak
3997.0000	45.95	1.58	47.53	74.00	-26.47	V	Peak
5248.0000	41.14	5.42	46.56	74.00	-27.44	V	Peak
5599.0000	41.81	5.91	47.72	74.00	-26.28	V	Peak
6958.0000	41.11	7.63	48.74	74.00	-25.26	V	Peak
1612.0000	46.93	-6.67	40.26	74.00	-33.74	H	Peak
2557.0000	46.14	-2.16	43.98	74.00	-30.02	H	Peak
4879.0000	45.08	4.59	49.67	74.00	-24.33	H	Peak
5599.0000	43.02	5.91	48.93	74.00	-25.07	H	Peak
6670.0000	40.98	7.17	48.15	74.00	-25.85	H	Peak
7282.0000	41.47	8.25	49.72	74.00	-24.28	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 802.11g (CH High) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** July 21, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1351.0000	50.66	-7.24	43.42	74.00	-30.58	V	Peak
2575.0000	45.65	-2.12	43.53	74.00	-30.47	V	Peak
3997.0000	43.93	1.58	45.51	74.00	-28.49	V	Peak
4978.0000	42.07	4.91	46.98	74.00	-27.02	V	Peak
5599.0000	42.00	5.91	47.91	74.00	-26.09	V	Peak
6877.0000	41.49	7.50	48.99	74.00	-25.01	V	Peak
1801.0000	48.56	-6.26	42.30	74.00	-31.70	H	Peak
2467.0000	46.00	-2.44	43.56	74.00	-30.44	H	Peak
2827.0000	44.80	-1.67	43.13	74.00	-30.87	H	Peak
4924.0000	44.72	4.73	49.45	74.00	-24.55	H	Peak
5599.0000	42.20	5.91	48.11	74.00	-25.89	H	Peak
6931.0000	41.32	7.59	48.91	74.00	-25.09	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).*

Combine with Antenna 0 and Antenna 1

Test Mode: TX / IEEE 802.11n HT20 MHz (CH Low) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** July 21, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
2026.0000	47.43	-4.86	42.57	74.00	-31.43	V	Peak
2575.0000	45.71	-2.12	43.59	74.00	-30.41	V	Peak
3997.0000	47.66	1.58	49.24	74.00	-24.76	V	Peak
4834.0000	43.26	4.44	47.70	74.00	-26.30	V	Peak
5599.0000	42.10	5.91	48.01	74.00	-25.99	V	Peak
7678.0000	41.19	9.02	50.21	74.00	-23.79	V	Peak
1801.0000	51.19	-6.26	44.93	74.00	-29.07	H	Peak
3997.0000	44.15	1.58	45.73	74.00	-28.27	H	Peak
4330.0000	42.93	2.75	45.68	74.00	-28.32	H	Peak
4816.0000	48.47	4.38	52.85	74.00	-21.15	H	Peak
4816.0000	46.10	4.38	50.48	54.00	-3.52	H	AVG
5599.0000	42.16	5.91	48.07	74.00	-25.93	H	Peak
6931.0000	40.64	7.59	48.23	74.00	-25.77	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 HT20 MHz (CH Mid) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** July 21, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
2026.0000	47.47	-4.86	42.61	74.00	-31.39	V	Peak
2809.0000	44.64	-1.70	42.94	74.00	-31.06	V	Peak
3997.0000	46.96	1.58	48.54	74.00	-25.46	V	Peak
4861.0000	41.83	4.53	46.36	74.00	-27.64	V	Peak
5599.0000	41.68	5.91	47.59	74.00	-26.41	V	Peak
6742.0000	41.06	7.28	48.34	74.00	-25.66	V	Peak
1945.0000	49.81	-5.35	44.46	74.00	-29.54	H	Peak
2557.0000	45.30	-2.16	43.14	74.00	-30.86	H	Peak
3997.0000	43.41	1.58	44.99	74.00	-29.01	H	Peak
5599.0000	42.85	5.91	48.76	74.00	-25.24	H	Peak
6931.0000	41.98	7.59	49.57	74.00	-24.43	H	Peak
7723.0000	41.31	9.11	50.42	74.00	-23.58	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 / EEE 802.11n HT20 MHz (CH High) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** July 21, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1576.0000	48.10	-6.74	41.36	74.00	-32.64	V	Peak
2584.0000	44.85	-2.11	42.74	74.00	-31.26	V	Peak
3997.0000	48.24	1.58	49.82	74.00	-24.18	V	Peak
5086.0000	40.85	5.13	45.98	74.00	-28.02	V	Peak
5599.0000	41.75	5.91	47.66	74.00	-26.34	V	Peak
6760.0000	40.93	7.31	48.24	74.00	-25.76	V	Peak
1990.0000	48.51	-5.06	43.45	74.00	-30.55	H	Peak
2548.0000	46.06	-2.17	43.89	74.00	-30.11	H	Peak
3997.0000	47.62	1.58	49.20	74.00	-24.80	H	Peak
4933.0000	44.81	4.76	49.57	74.00	-24.43	H	Peak
5599.0000	42.04	5.91	47.95	74.00	-26.05	H	Peak
6967.0000	40.37	7.65	48.02	74.00	-25.98	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).*

Combine with Antenna 0 and Antenna 1

Test Mode: TX/ IEEE 802.11n HT40 MHz (CH Low) **Tested by:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** July 21, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1243.0000	48.97	-7.63	41.34	74.00	-32.66	V	Peak
2530.0000	44.99	-2.21	42.78	74.00	-31.22	V	Peak
3997.0000	45.33	1.58	46.91	74.00	-27.09	V	Peak
4933.0000	42.64	4.76	47.40	74.00	-26.60	V	Peak
5599.0000	42.72	5.91	48.63	74.00	-25.37	V	Peak
6805.0000	40.96	7.38	48.34	74.00	-25.66	V	Peak
1396.0000	50.02	-7.07	42.95	74.00	-31.05	H	Peak
2548.0000	45.84	-2.17	43.67	74.00	-30.33	H	Peak
3997.0000	49.66	1.58	51.24	74.00	-22.76	H	Peak
4870.0000	43.90	4.56	48.46	74.00	-25.54	H	Peak
5599.0000	43.98	5.91	49.89	74.00	-24.11	H	Peak
6922.0000	41.49	7.57	49.06	74.00	-24.94	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:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** July 21, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1243.0000	51.39	-7.63	43.76	74.00	-30.24	V	Peak
2026.0000	49.46	-4.86	44.60	74.00	-29.40	V	Peak
2512.0000	45.73	-2.24	43.49	74.00	-30.51	V	Peak
3997.0000	53.19	1.58	54.77	74.00	-19.23	V	Peak
3997.0000	45.00	1.58	46.58	54.00	-7.42	V	AVG
5167.0000	41.33	5.28	46.61	74.00	-27.39	V	Peak
5599.0000	42.94	5.91	48.85	74.00	-25.15	V	Peak
1594.0000	48.36	-6.71	41.65	74.00	-32.35	H	Peak
2530.0000	46.55	-2.21	44.34	74.00	-29.66	H	Peak
3997.0000	48.00	1.58	49.58	74.00	-24.42	H	Peak
4798.0000	42.10	4.32	46.42	74.00	-27.58	H	Peak
5599.0000	42.76	5.91	48.67	74.00	-25.33	H	Peak
6949.0000	41.36	7.62	48.98	74.00	-25.02	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:** Eve Wang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** July 21, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1954.0000	50.48	-5.29	45.19	74.00	-28.81	V	Peak
3196.0000	44.73	-1.03	43.70	74.00	-30.30	V	Peak
3997.0000	51.14	1.58	52.72	74.00	-21.28	V	Peak
3997.0000	44.64	1.58	46.22	54.00	-7.78	V	AVG
5032.0000	41.01	5.04	46.05	74.00	-27.95	V	Peak
5599.0000	42.86	5.91	48.77	74.00	-25.23	V	Peak
7795.0000	41.56	9.25	50.81	74.00	-23.19	V	Peak
1954.0000	51.32	-5.29	46.03	74.00	-27.97	H	Peak
2539.0000	46.02	-2.19	43.83	74.00	-30.17	H	Peak
3997.0000	54.09	1.58	55.67	74.00	-18.33	H	Peak
3997.0000	44.22	1.58	45.80	54.00	-8.20	H	AVG
4960.0000	43.38	4.85	48.23	74.00	-25.77	H	Peak
5599.0000	42.59	5.91	48.50	74.00	-25.50	H	Peak
6949.0000	42.11	7.62	49.73	74.00	-24.27	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

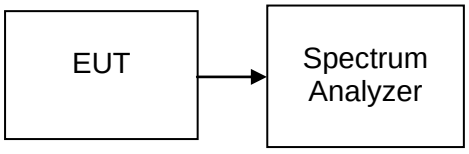
Name of Equipment	Manufacturer	Model	Serial Number	Last Calibration	Calibration Due
Spectrum Analyzer	Agilent	N9010A	MY52221469	02/21/2016	02/20/2017

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) ≥ 3 x 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		
Low	2412	10070	10080	>500	PASS
Mid	2437	10060	10060		PASS
High	2462	10080	10080		PASS

Test mode: IEEE 802.11g

Channel	Frequency (MHz)	Bandwidth (kHz)		Limit (kHz)	Test Result
		Antenna 0	Antenna 1		
Low	2412	16310	16470	>500	PASS
Mid	2437	16320	16480		PASS
High	2462	16310	16460		PASS

Test mode: IEEE 802.11n HT20 MHz

Channel	Frequency (MHz)	Bandwidth (kHz)		Limit (kHz)	Test Result
		Antenna 0	Antenna 1		
Low	2412	17050	17700	>500	PASS
Mid	2437	17060	17710		PASS
High	2462	16920	17690		PASS

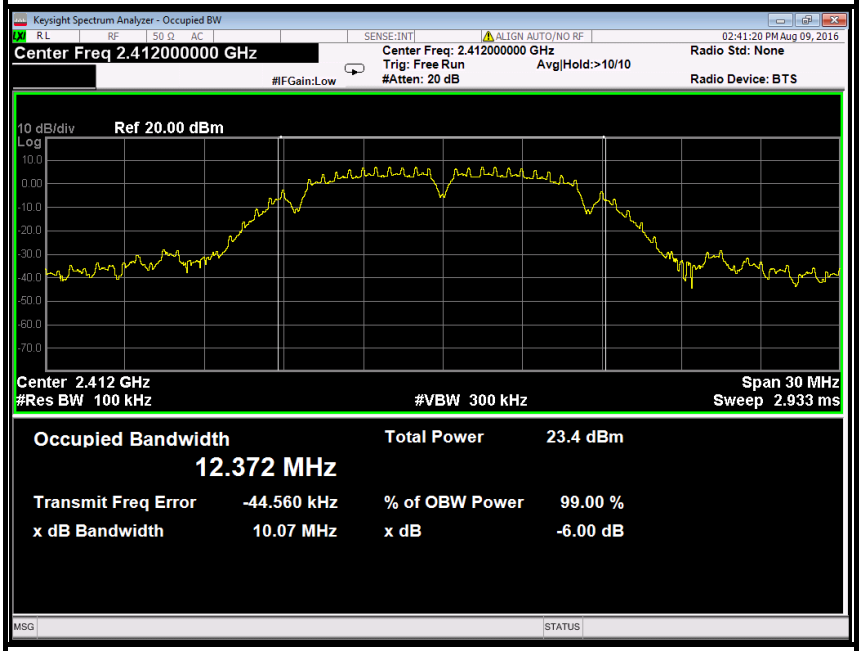
Test mode: IEEE 802.11n HT40 MHz

Channel	Frequency (MHz)	Bandwidth (kHz)		Limit (kHz)	Test Result
		Antenna 0	Antenna 1		
Low	2422	35190	36400	>500	PASS
Mid	2437	35190	36420		PASS
High	2452	35190	36420		PASS

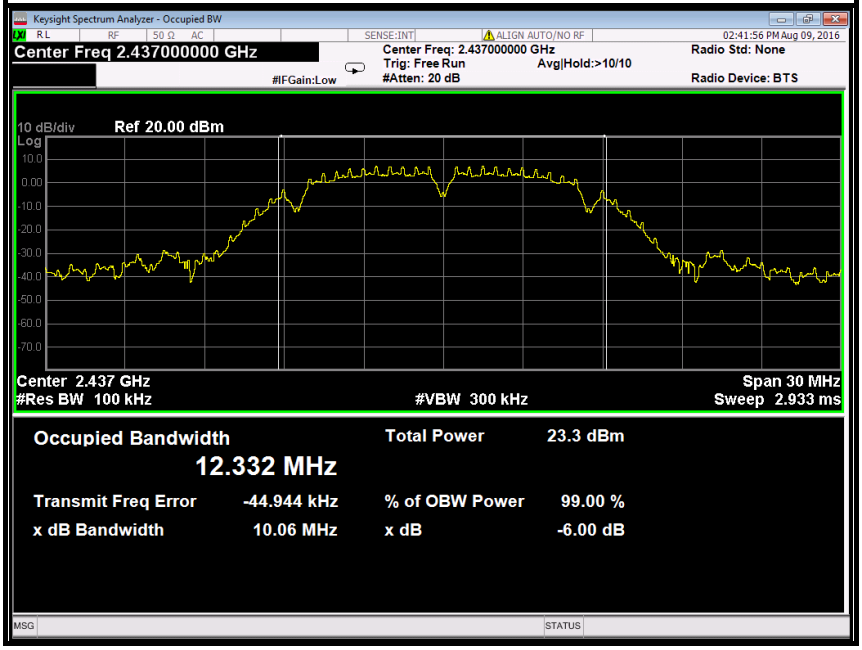
Test Plot

IEEE 802.11b mode (Antenna 0)

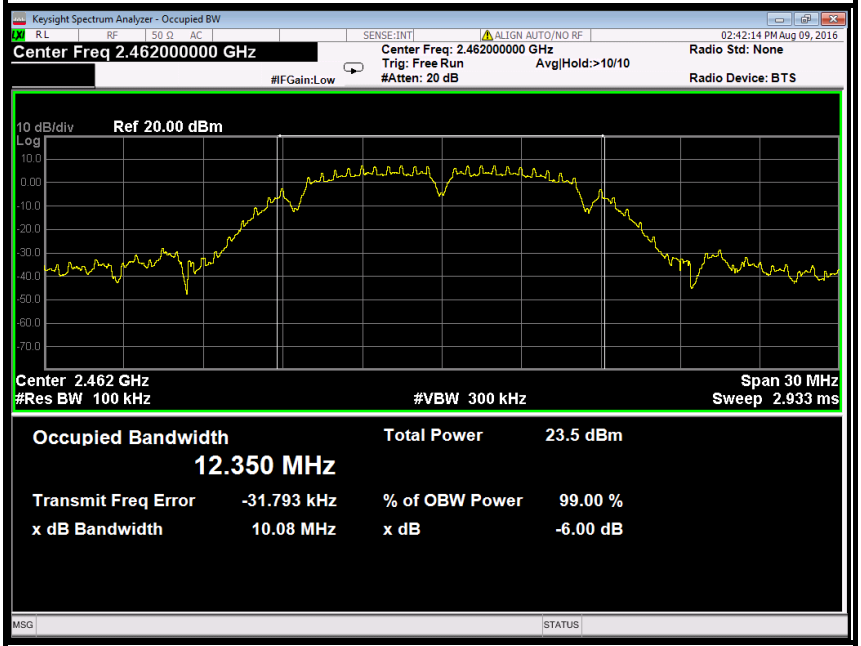
6dB Bandwidth (CH Low)



6dB Bandwidth (CH Mid)

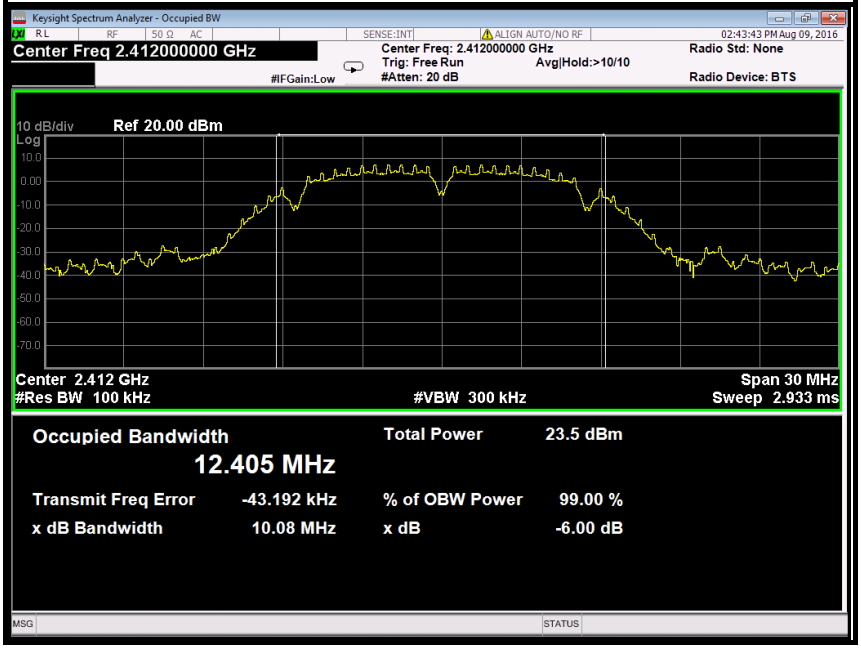


6dB Bandwidth (CH High)

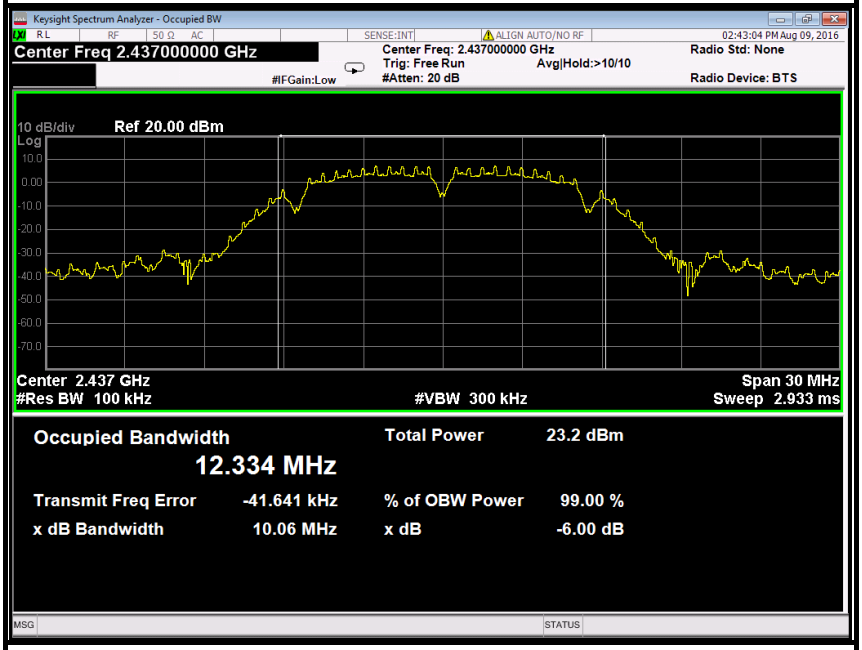


IEEE 802.11b mode (Antenna 1)

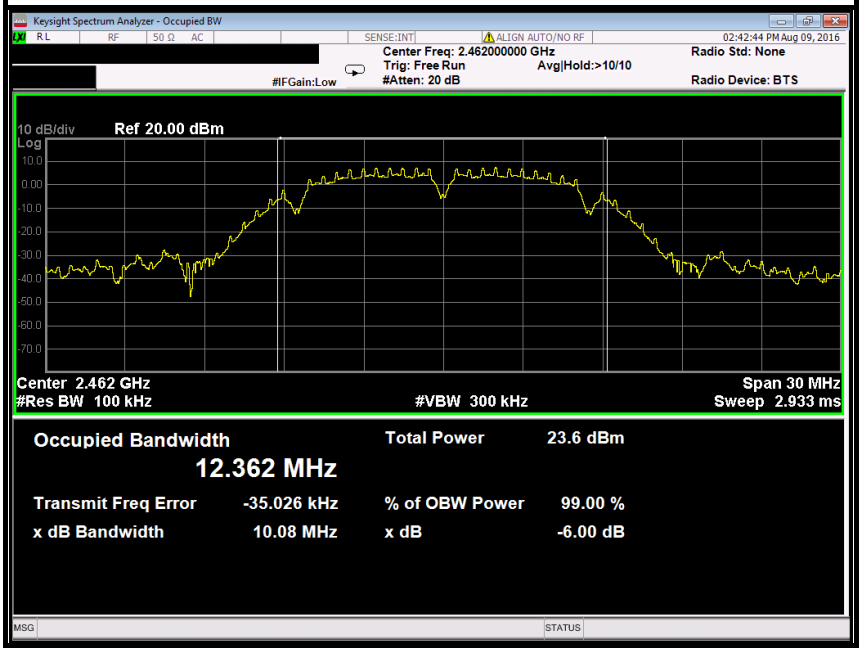
6dB Bandwidth (CH Low)



6dB Bandwidth (CH Mid)

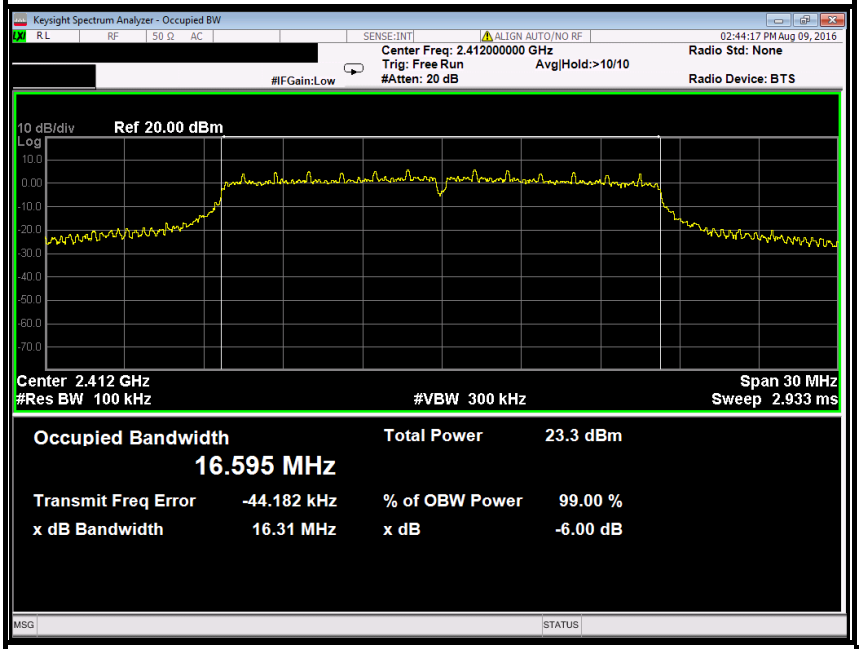


6dB Bandwidth (CH High)

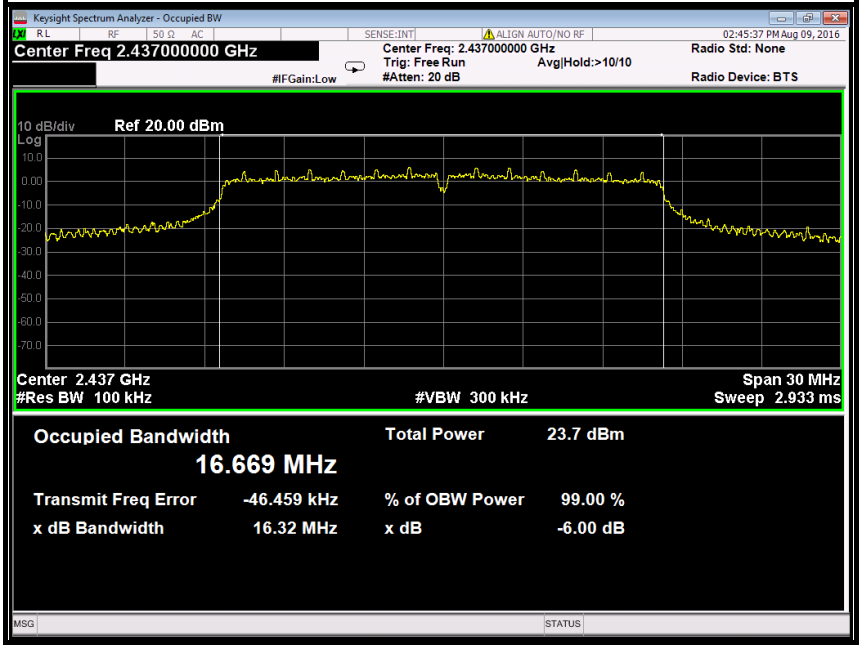


IEEE 802.11g mode (Antenna 0)

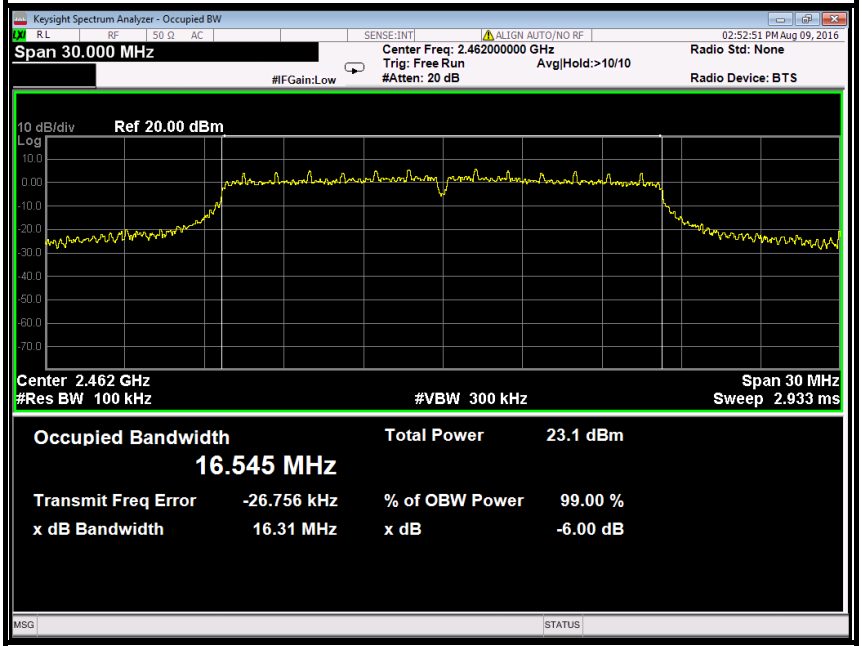
6dB Bandwidth (CH Low)



6dB Bandwidth (CH Mid)

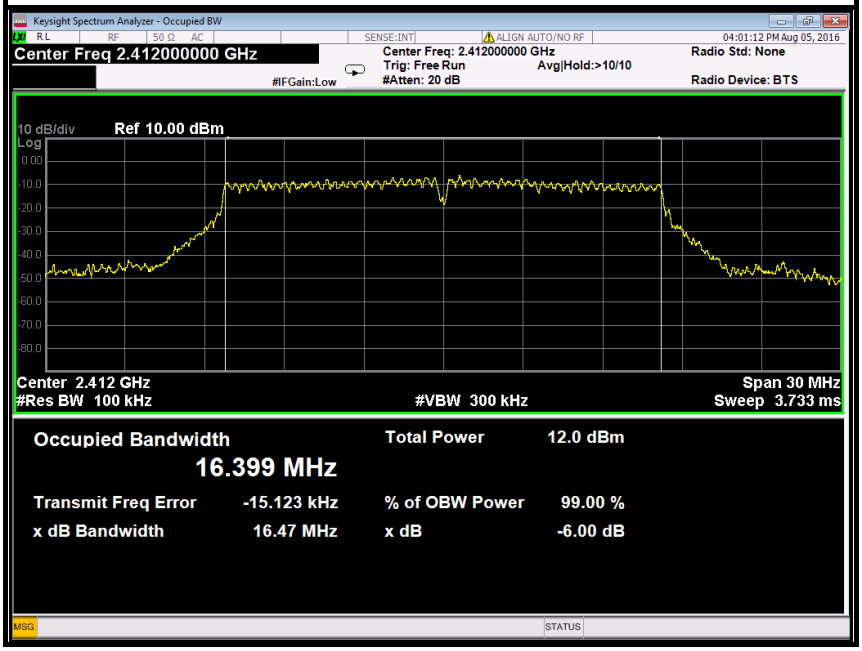


6dB Bandwidth (CH High)

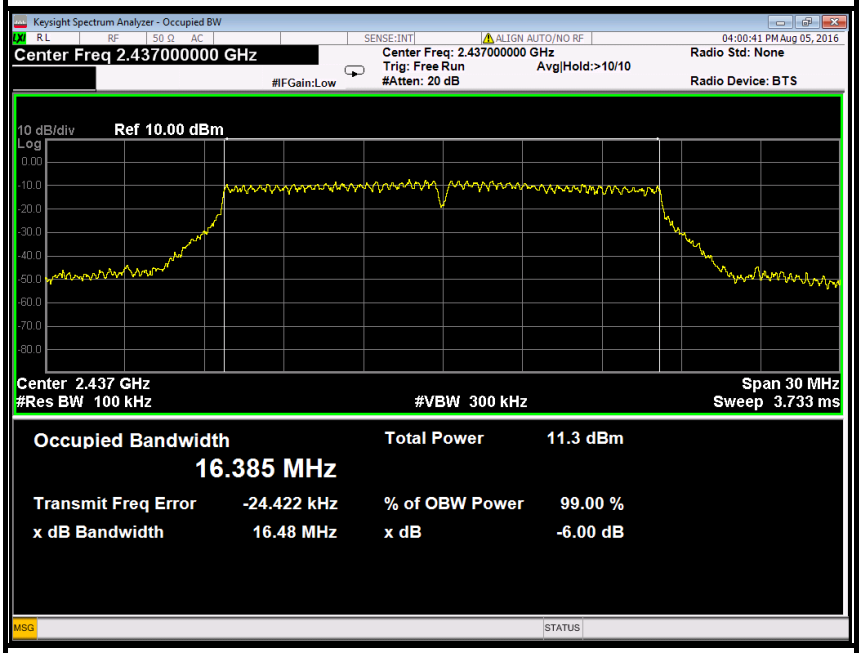


IEEE 802.11g mode (Antenna 1)

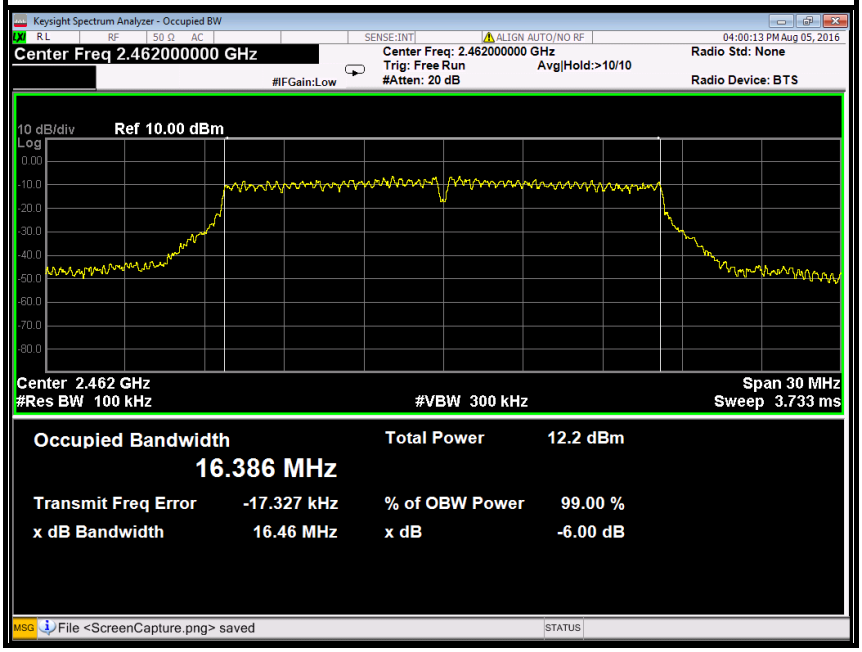
6dB Bandwidth (CH Low)



6dB Bandwidth (CH Mid)

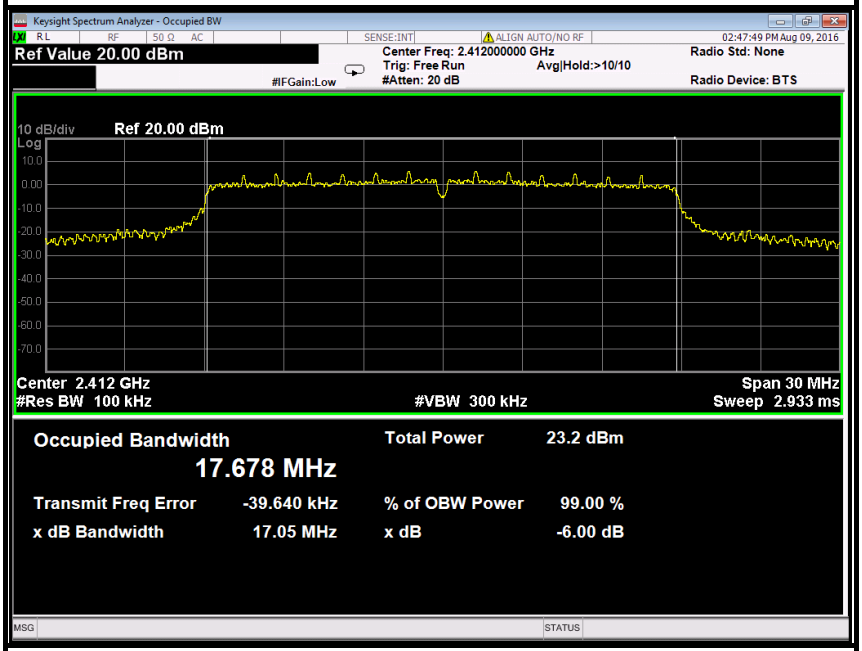


6dB Bandwidth (CH High)

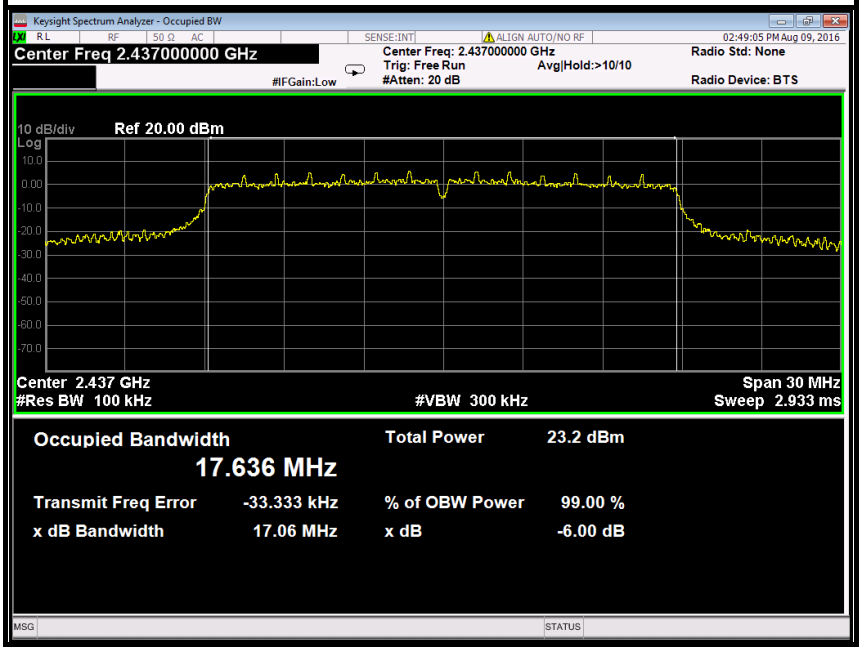


IEEE 802.11n HT20 MHz mode (Antenna 0)

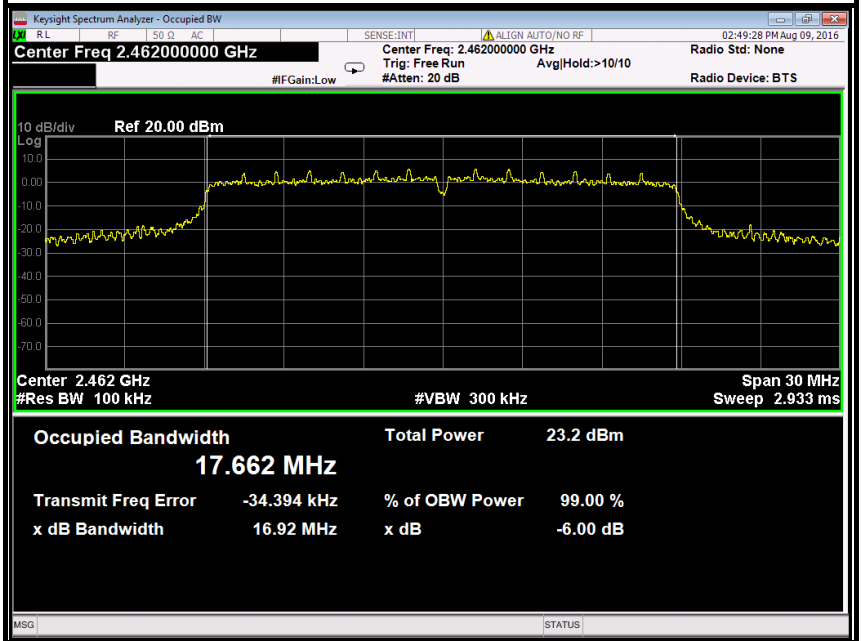
6dB Bandwidth (CH Low)



6dB Bandwidth (CH Mid)

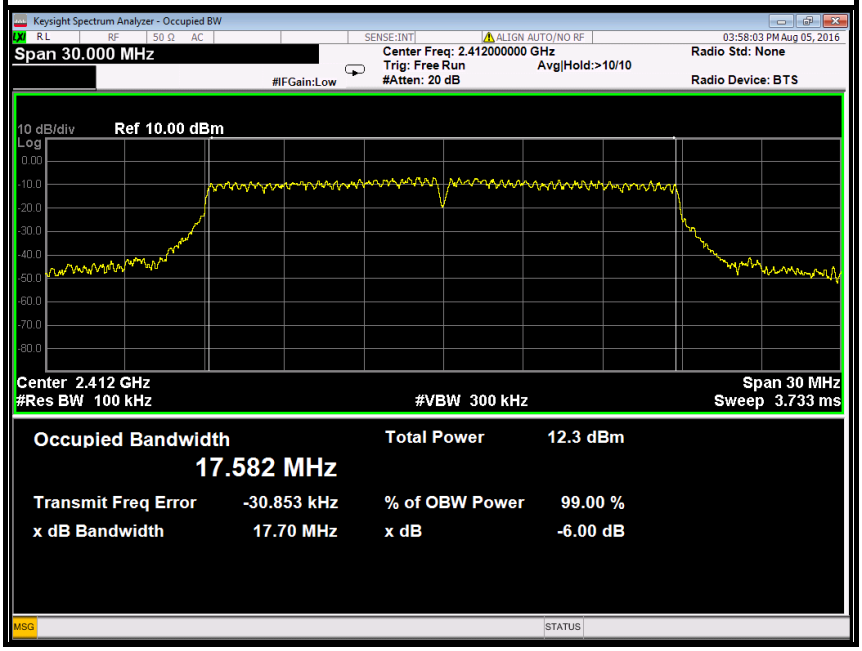


6dB Bandwidth (CH High)

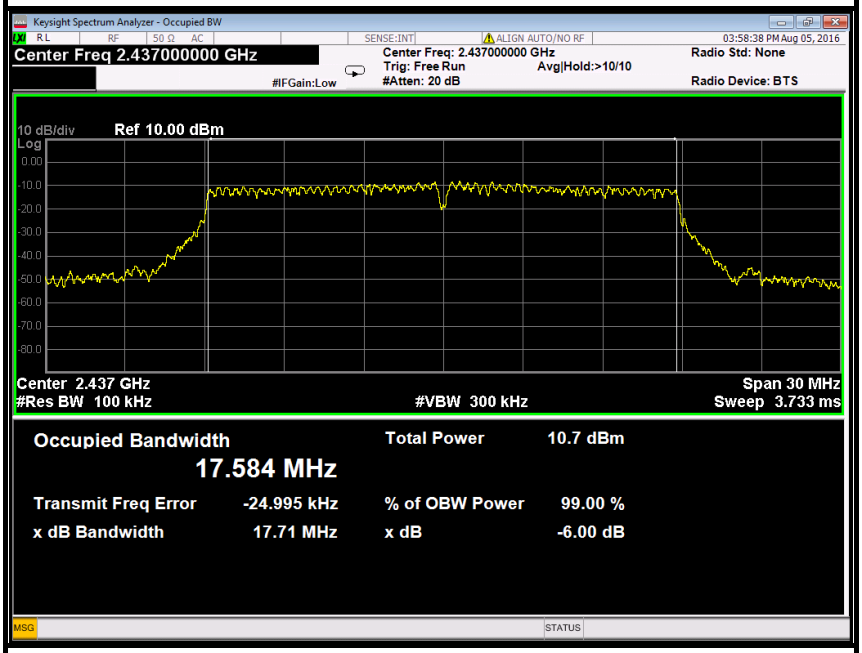


IEEE 802.11n HT20 MHz mode (Antenna 1)

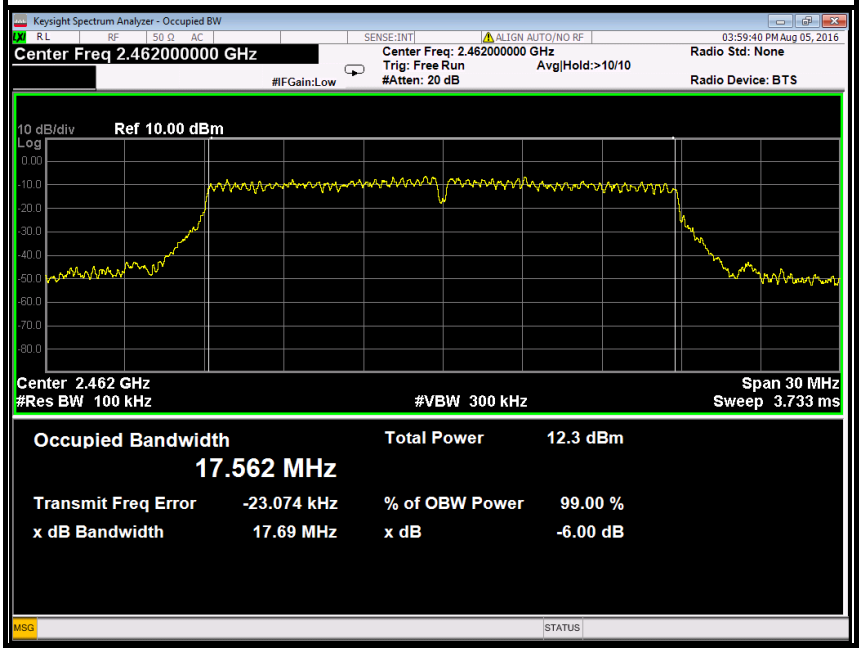
6dB Bandwidth (CH Low)



6dB Bandwidth (CH Mid)

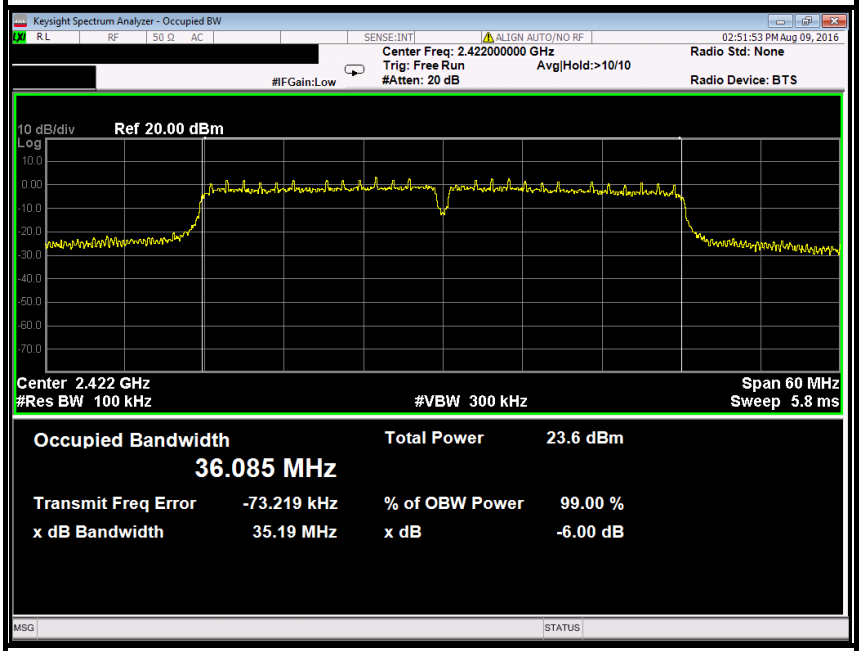


6dB Bandwidth (CH High)



IEEE 802.11n HT40 MHz mode (Antenna 0)

6dB Bandwidth (CH Low)



6dB Bandwidth (CH Mid)