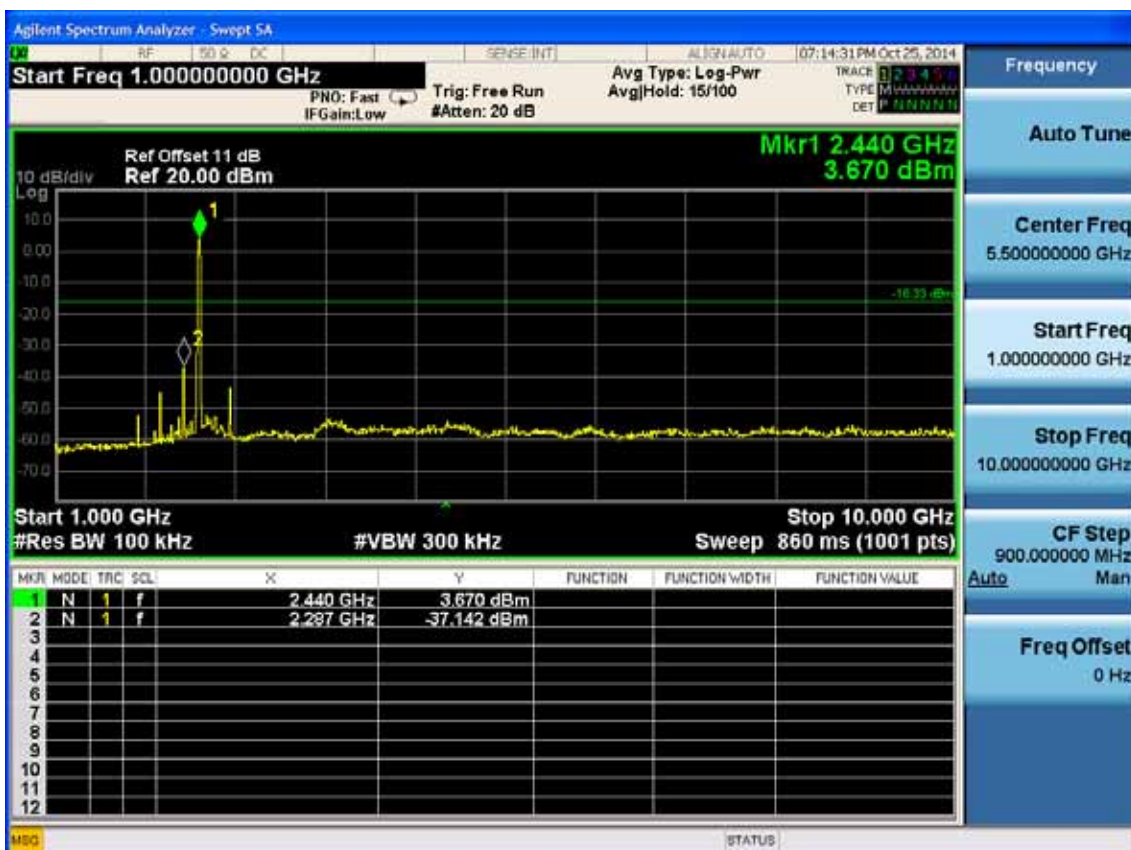
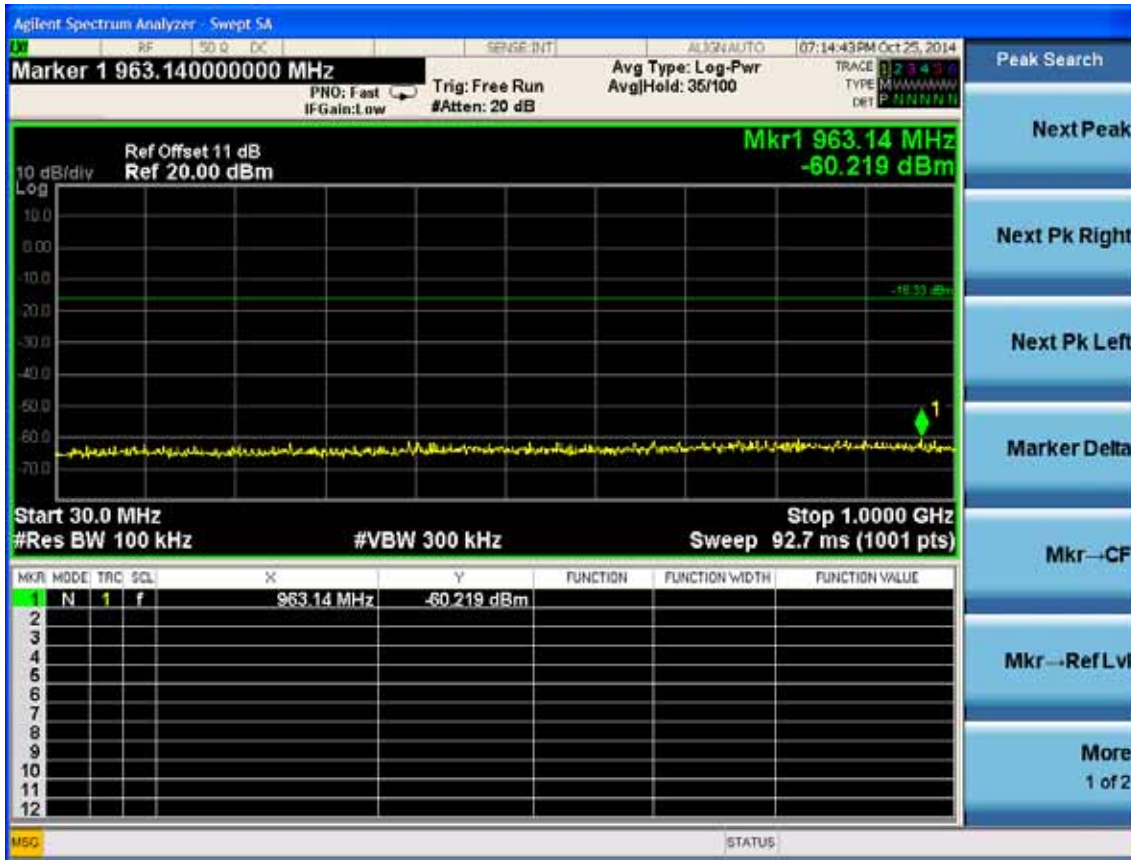
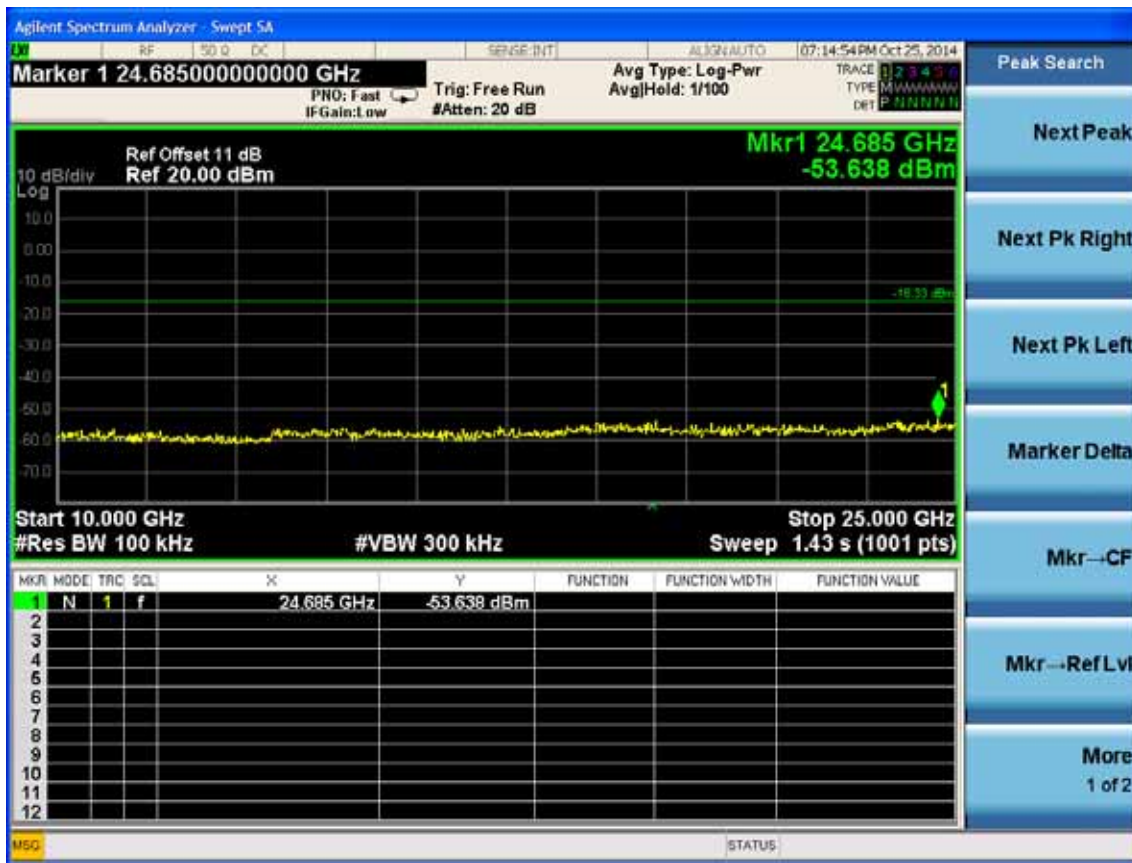
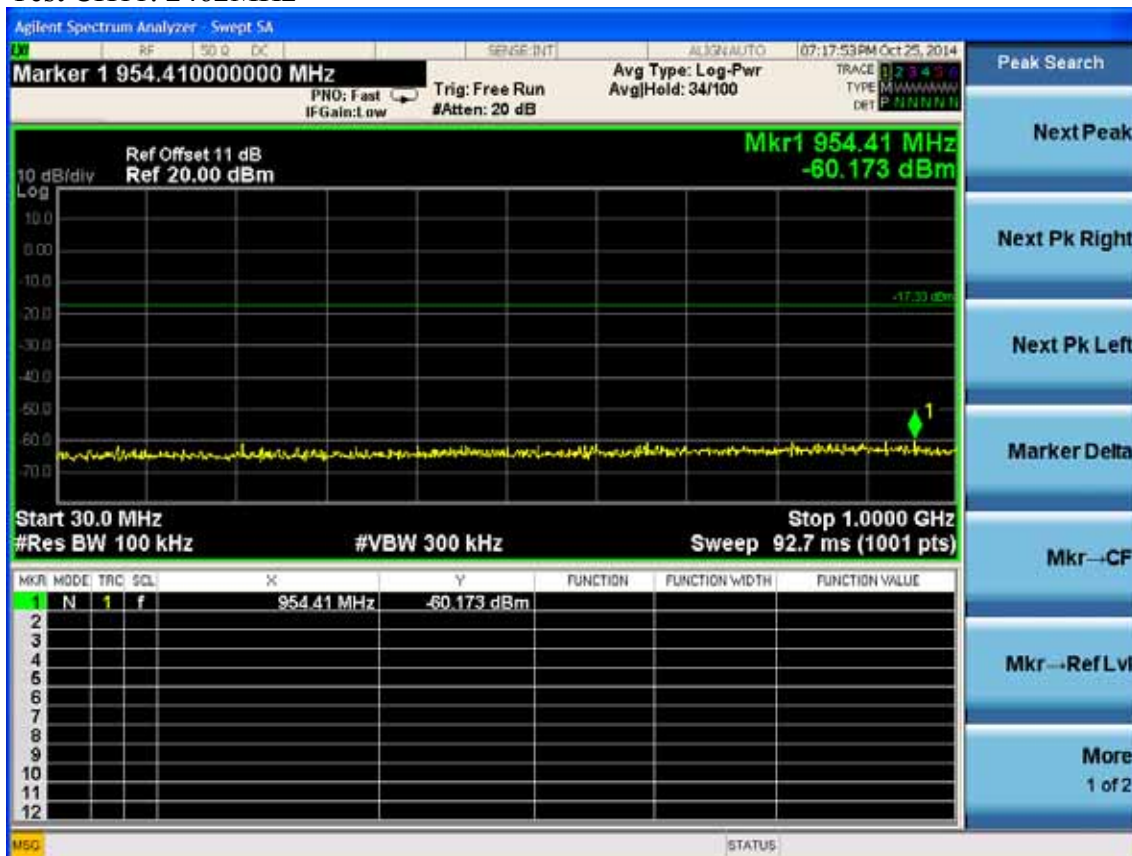


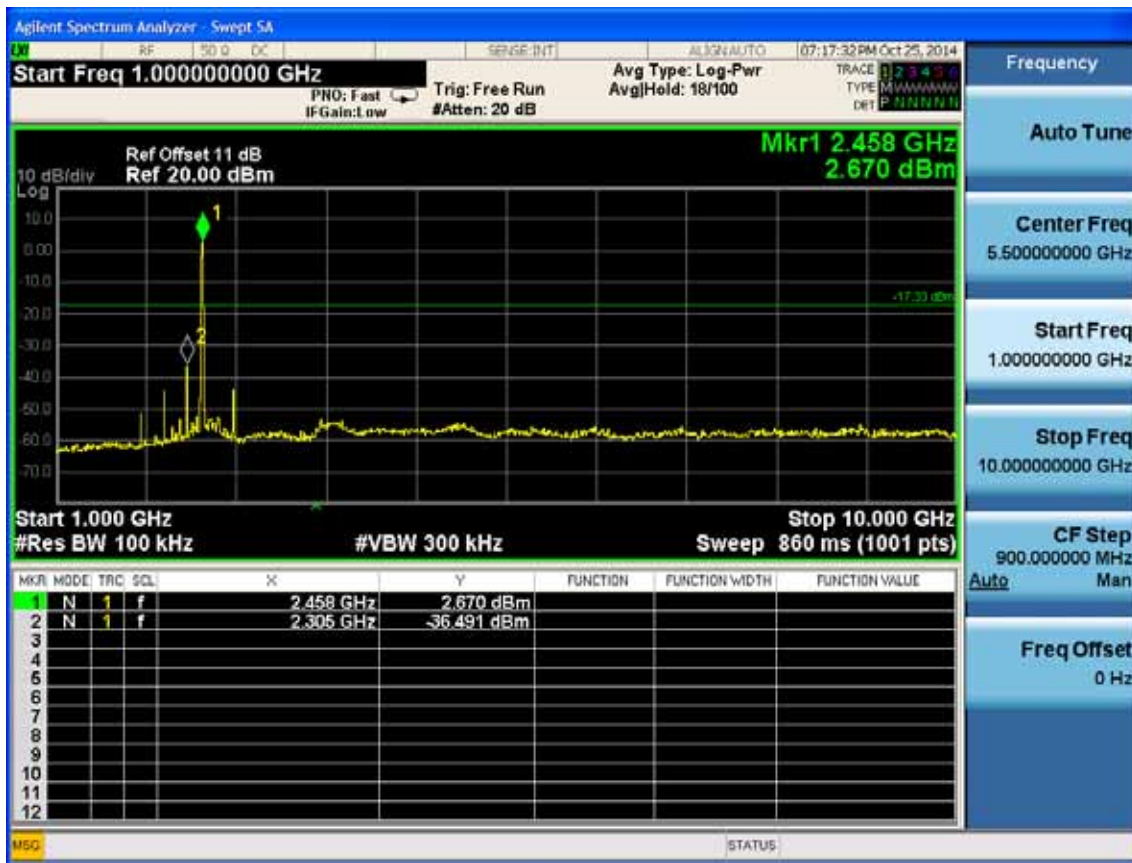
Test CH6: 2437MHz

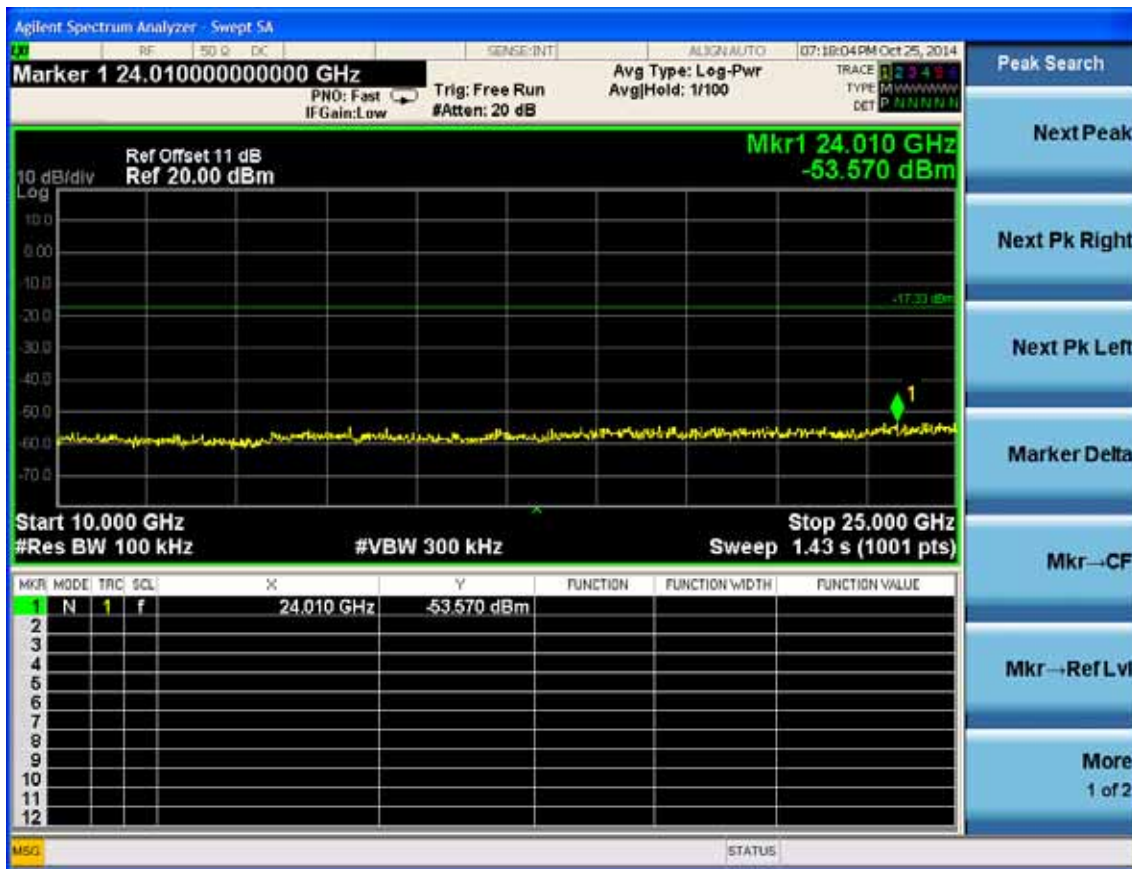




Test CH11: 2462MHz

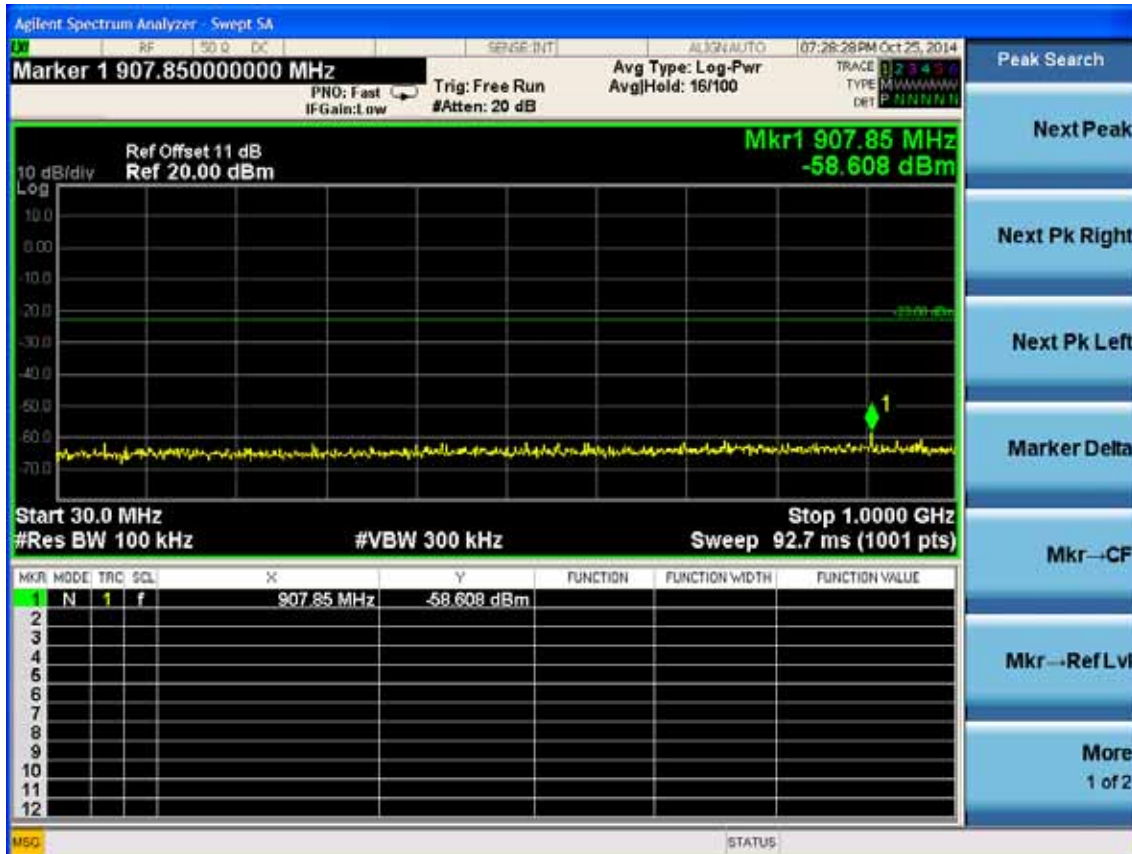


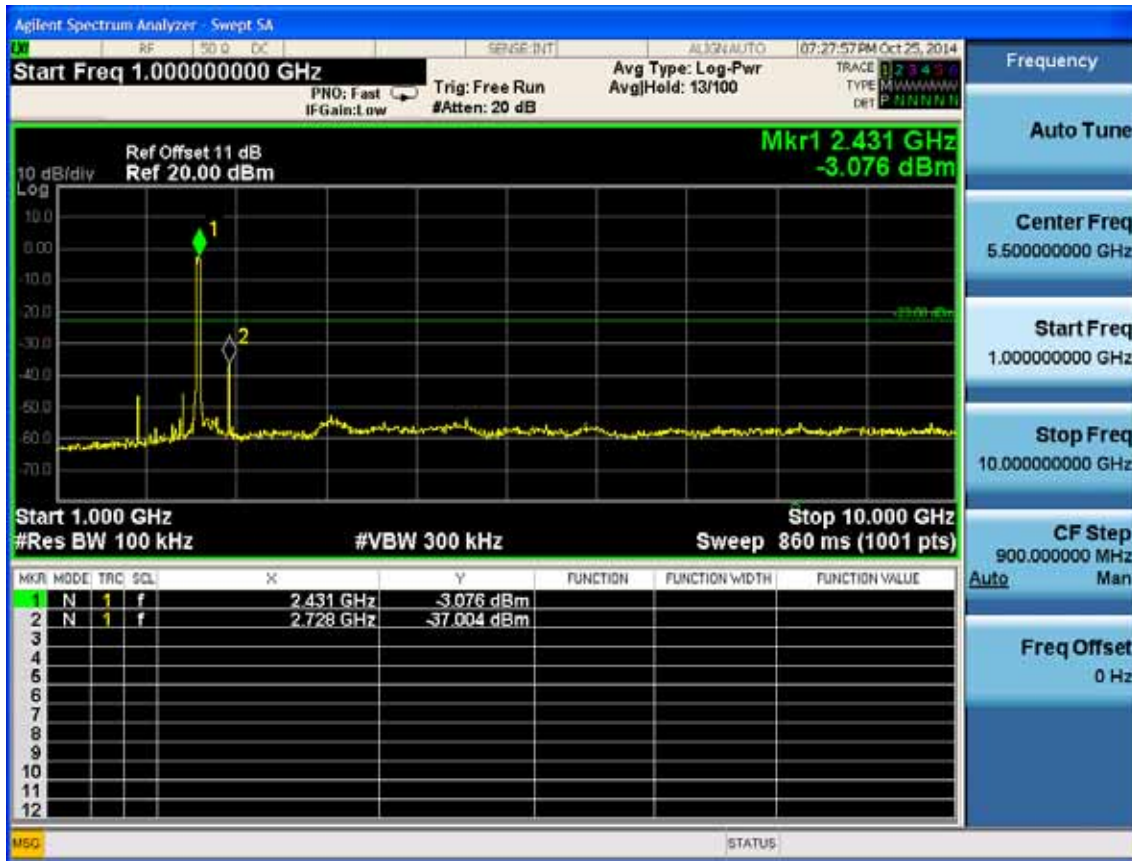


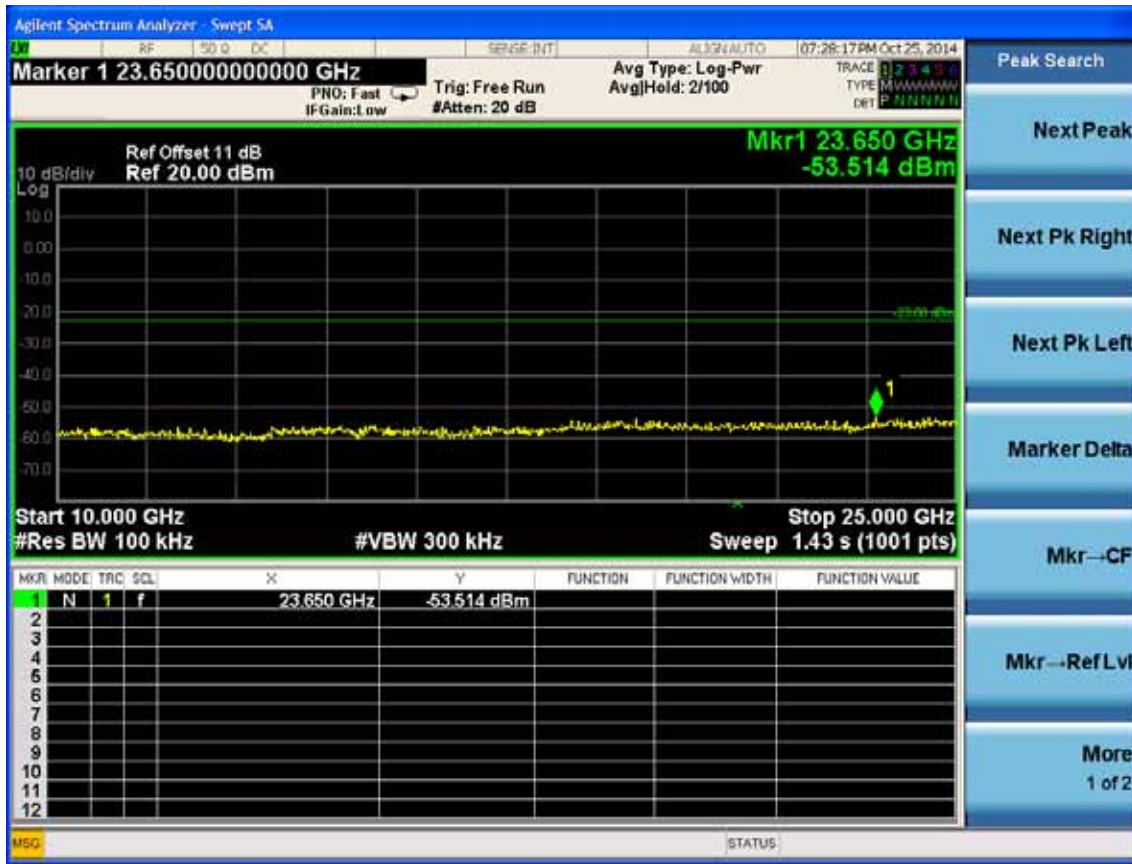


Test Mode: IEEE 802.11n HT40 TX

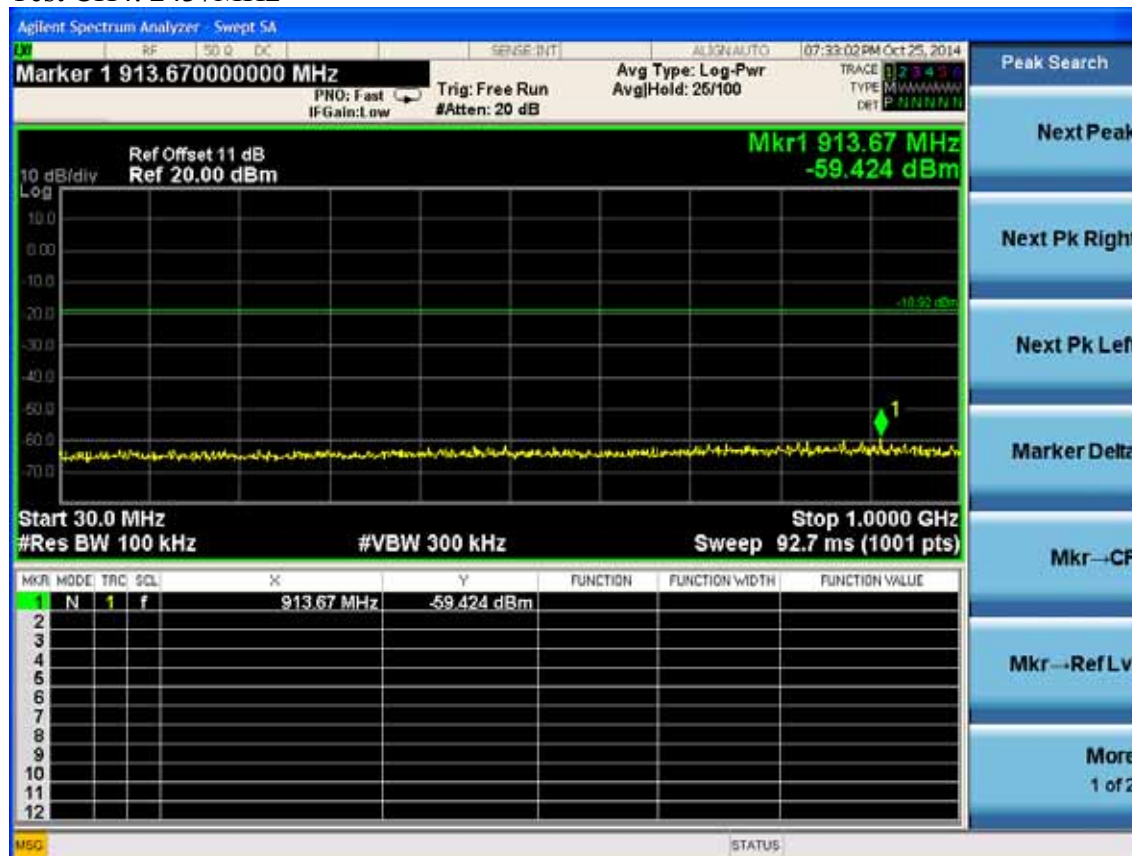
Test CH1: 2422MHz

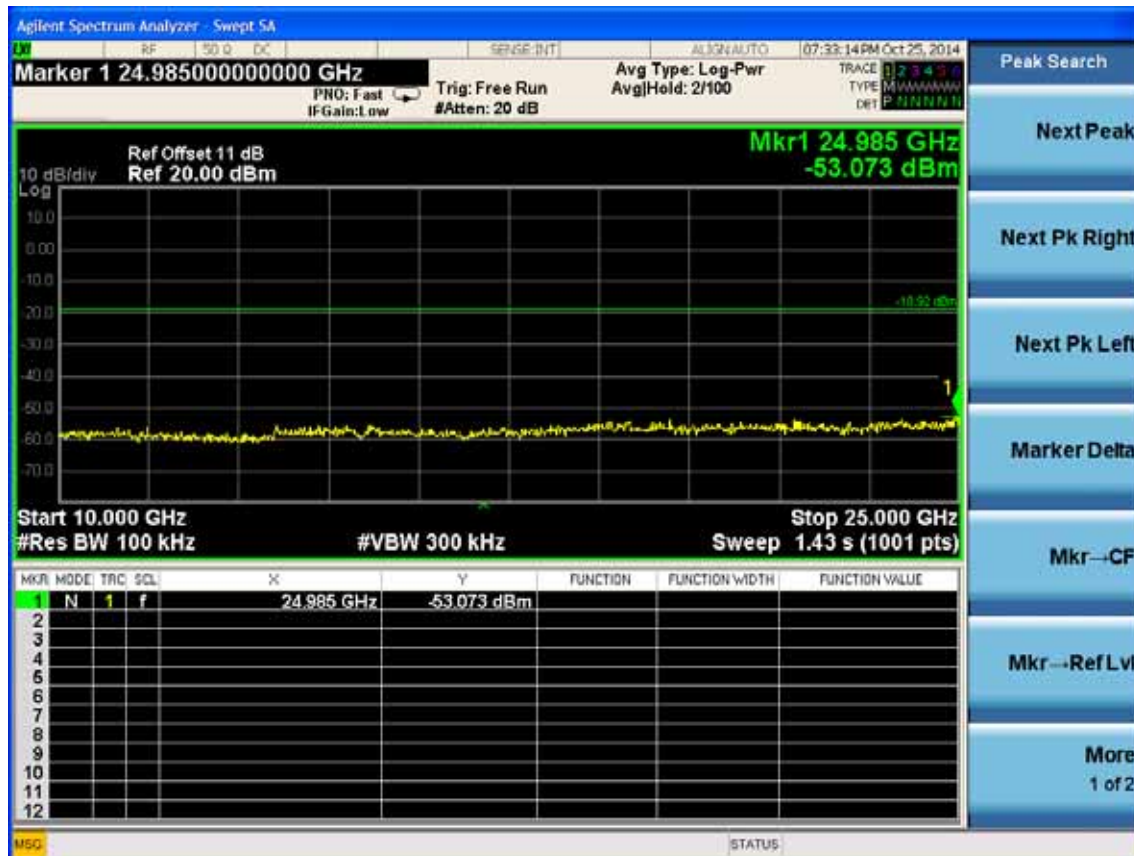
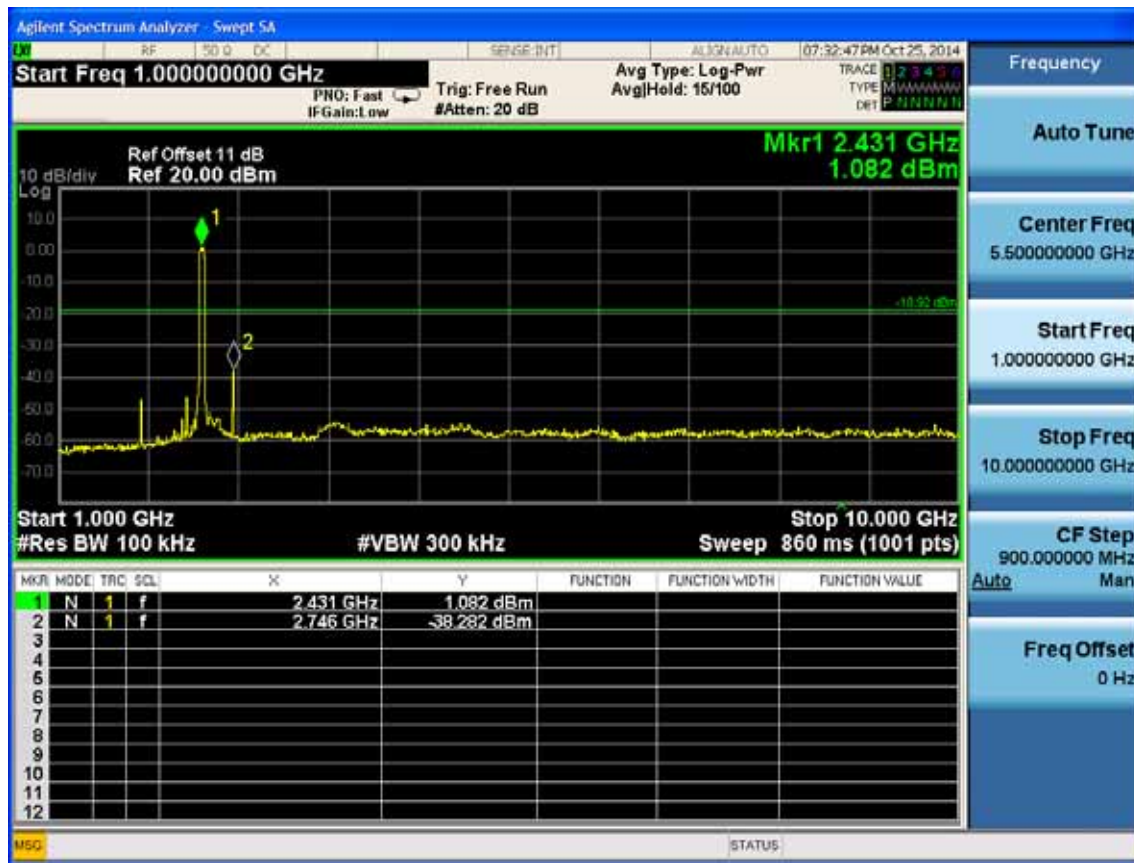




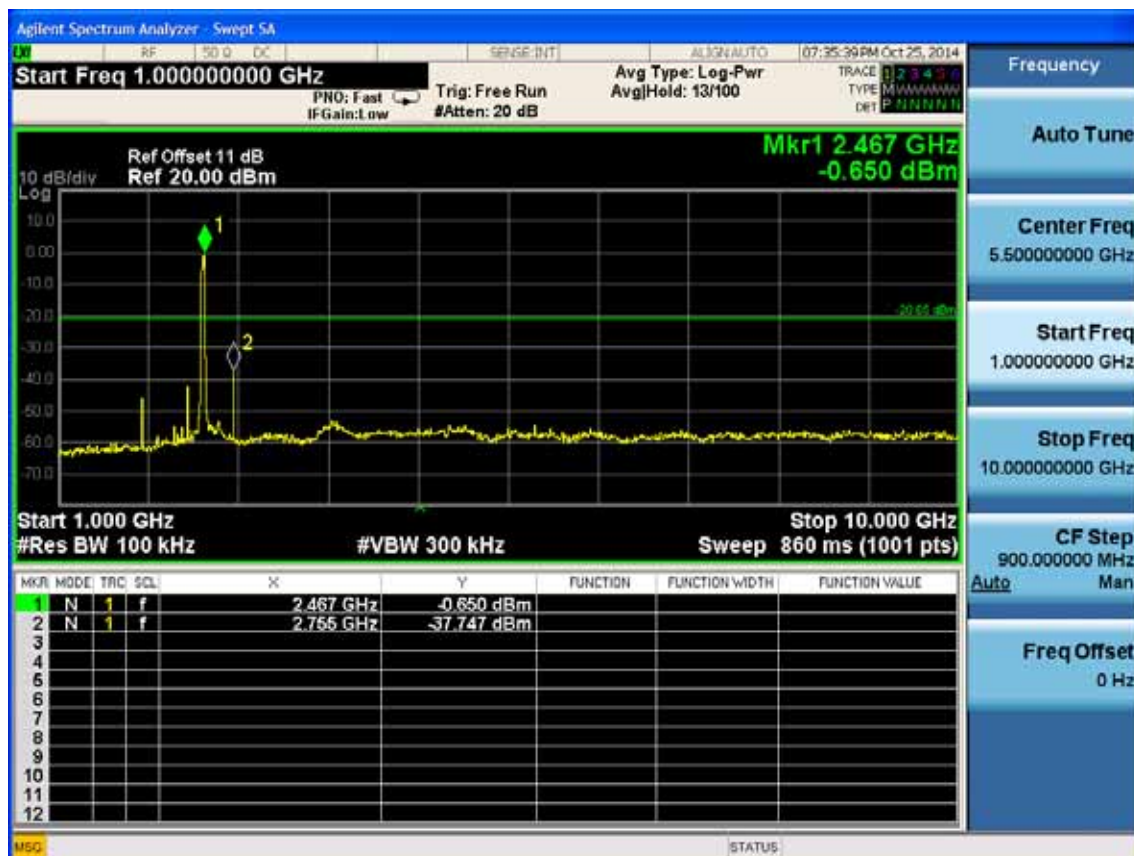
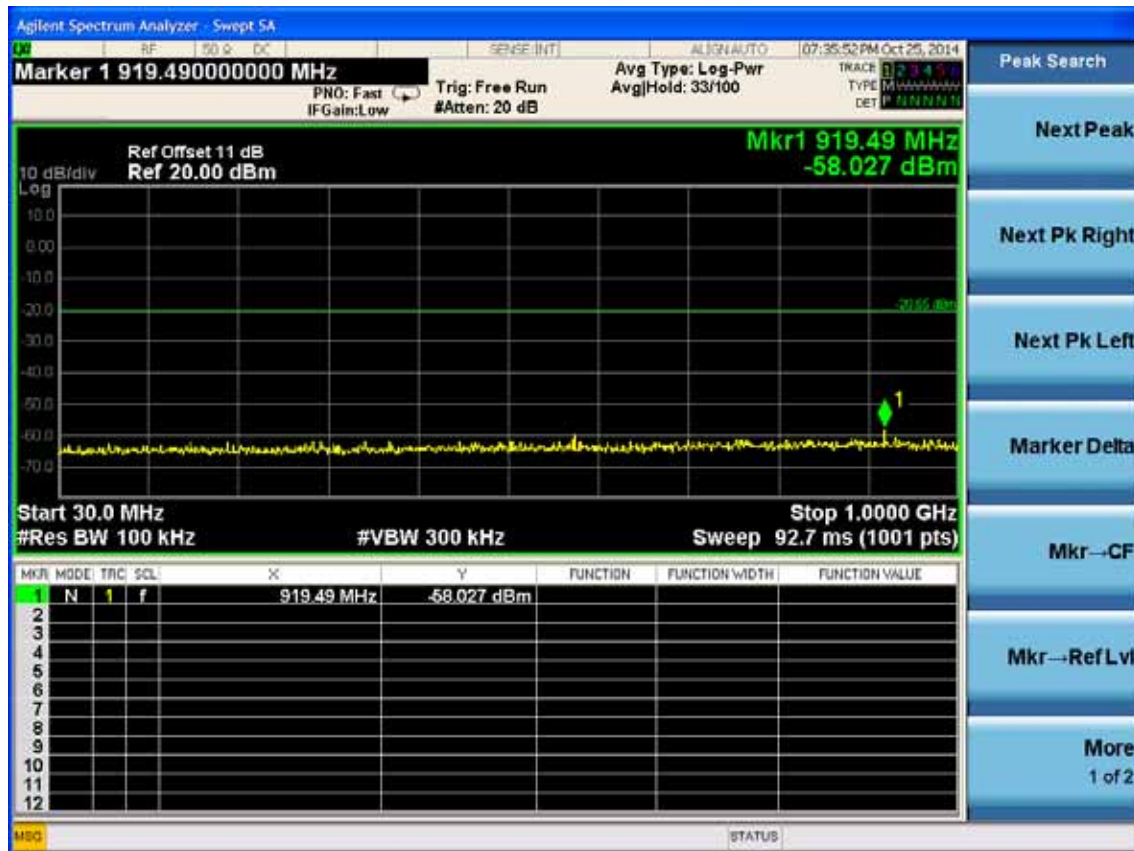


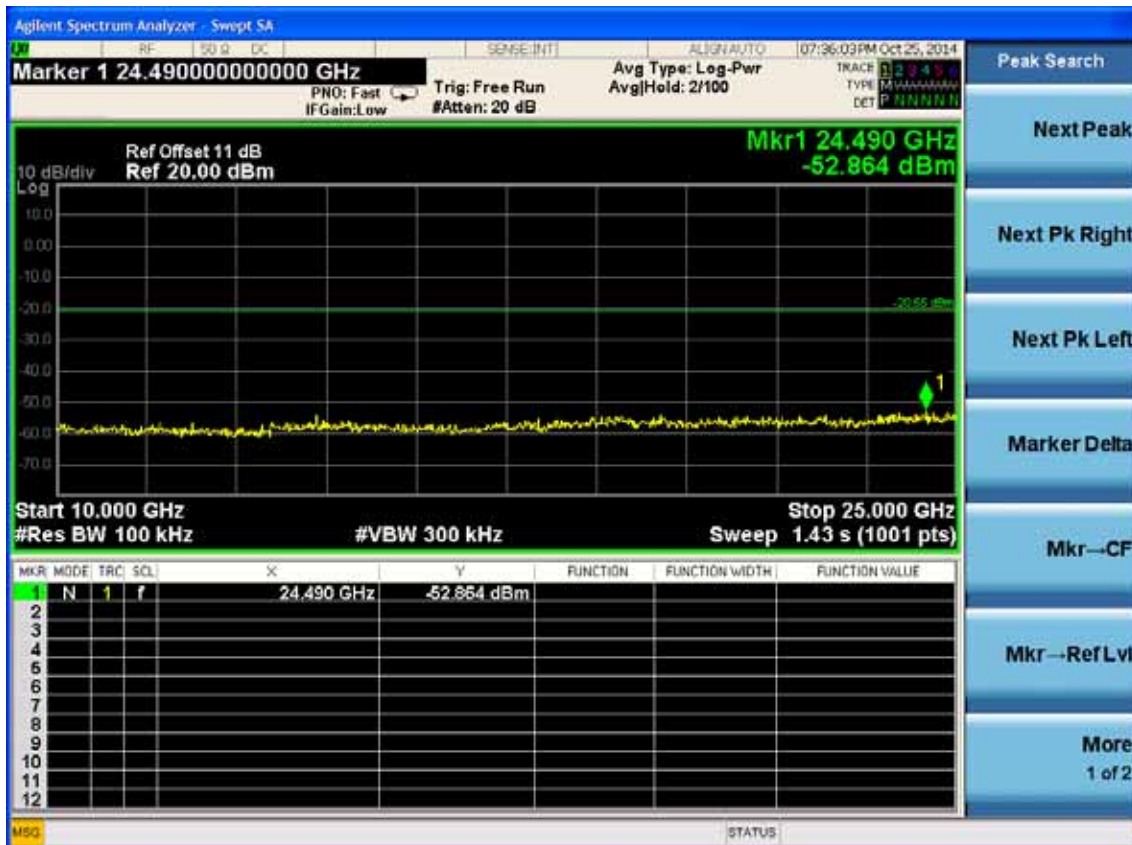
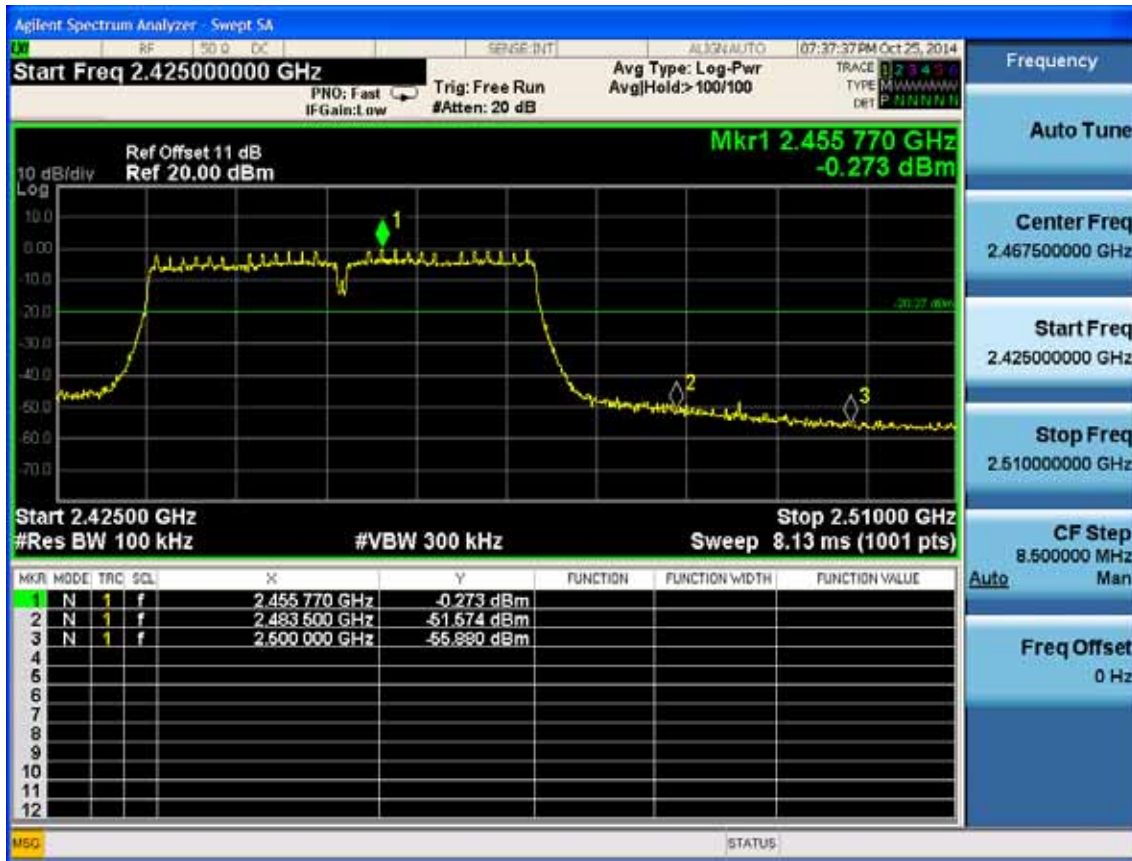
Test CH4: 2437MHz





Test CH7: 2452MHz





6. BAND EDGE COMPLIANCE TEST

6.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Amp	HP	8449B	3008A02495	Apr. 28,14	1 Year
2.	Horn Antenna	ETS	3115	9510-4580	Jun. 06, 14	1 Year
3.	HF Cable	Hubersuhner	Sucoflex104	274094/4	Apr. 28,14	1 Year
4.	RF Cable	Hubersuhner	Sucoflex102	28610/2	Apr. 28,14	1 Year

6.2. Limit

All the lower and upper band-edges emissions appearing within 5.35-5.46GHz and 7.25-7.75GHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 5725MHz to 5850MHz shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

6.3. Test Produce

1. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.
2. The turntable was 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=3MHz; Sweep=AUTO
 - (b) AVERAGE: RBW=1MHz; VBW=10Hz; Sweep=AUTO

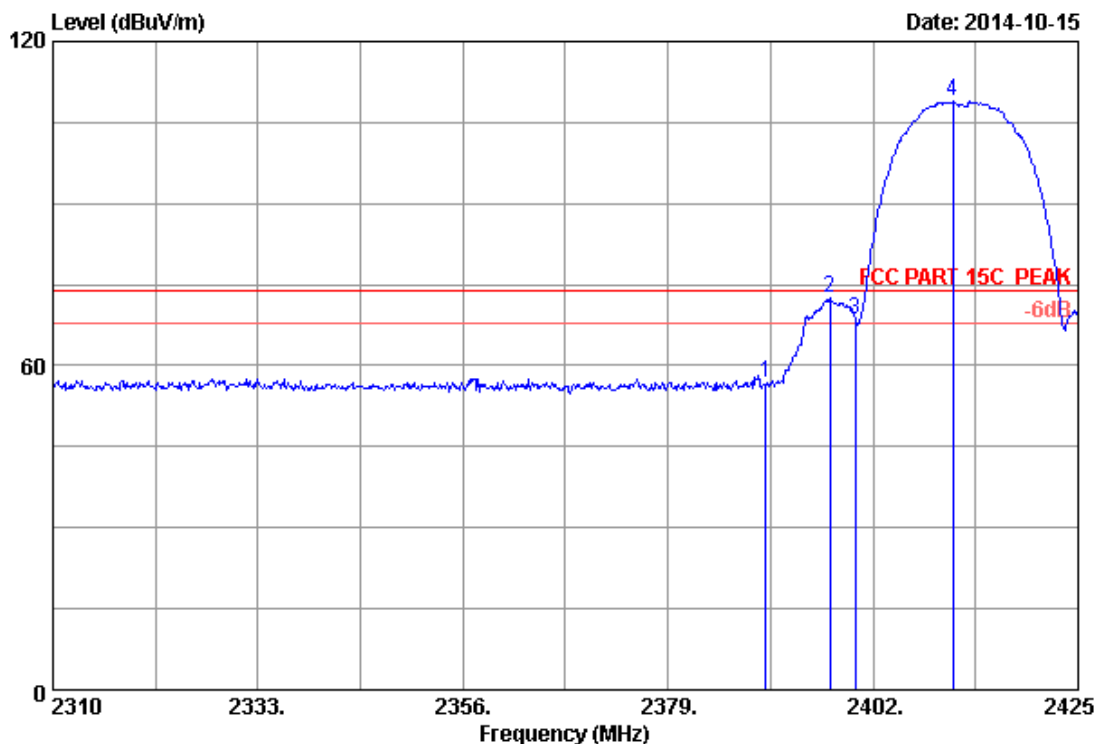
6.4. Test Results

Pass (The testing data was attached in the next pages.)

Data: 73

File: G:\2014 Report\T\TP-LINK\ACS14Q1719-FCC-2.4G.EM6 (104)

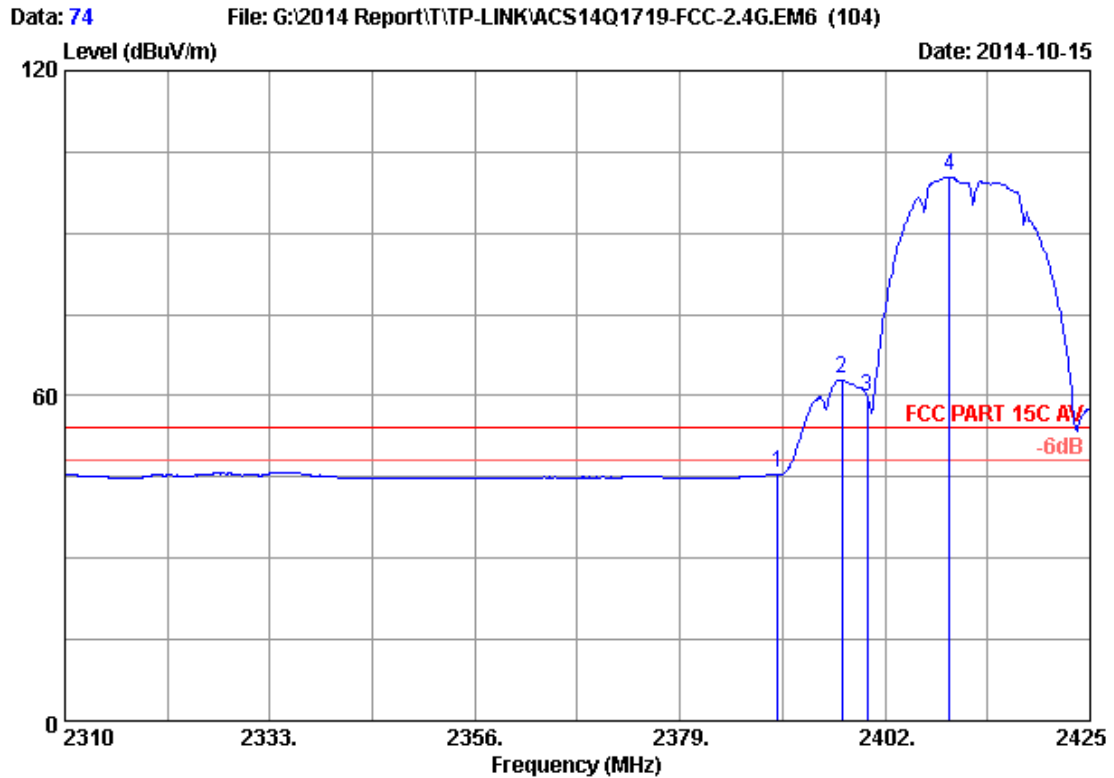
Date: 2014-10-15



Site no. : 3m Chamber Data no. : 73
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11b CH1 2412MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	28.16	5.78	35.70	58.59	56.83	74.00	17.17	Peak
2	2397.170	28.17	5.79	35.70	74.36	72.62	74.00	1.38	Peak
3	2400.000	28.18	5.80	35.70	70.40	68.68	74.00	5.32	Peak
4	2410.970	28.20	5.81	35.70	110.61	108.92	74.00	-34.92	Peak

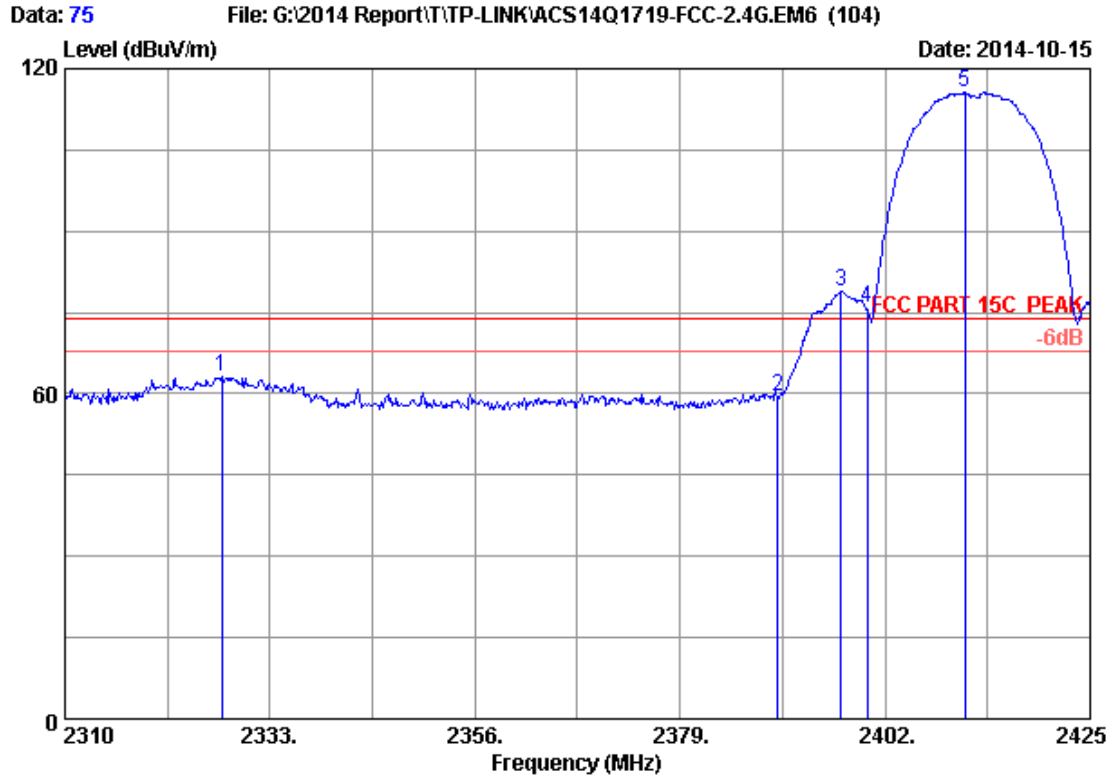
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 74
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11b CH1 2412MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	28.16	5.78	35.70	47.44	45.68	54.00	8.32	Average
2	2397.170	28.17	5.79	35.70	64.79	63.05	54.00	-9.05	Average
3	2400.000	28.18	5.80	35.70	61.52	59.80	54.00	-5.80	Average
4	2409.245	28.20	5.81	35.70	102.20	100.51	54.00	-46.51	Average

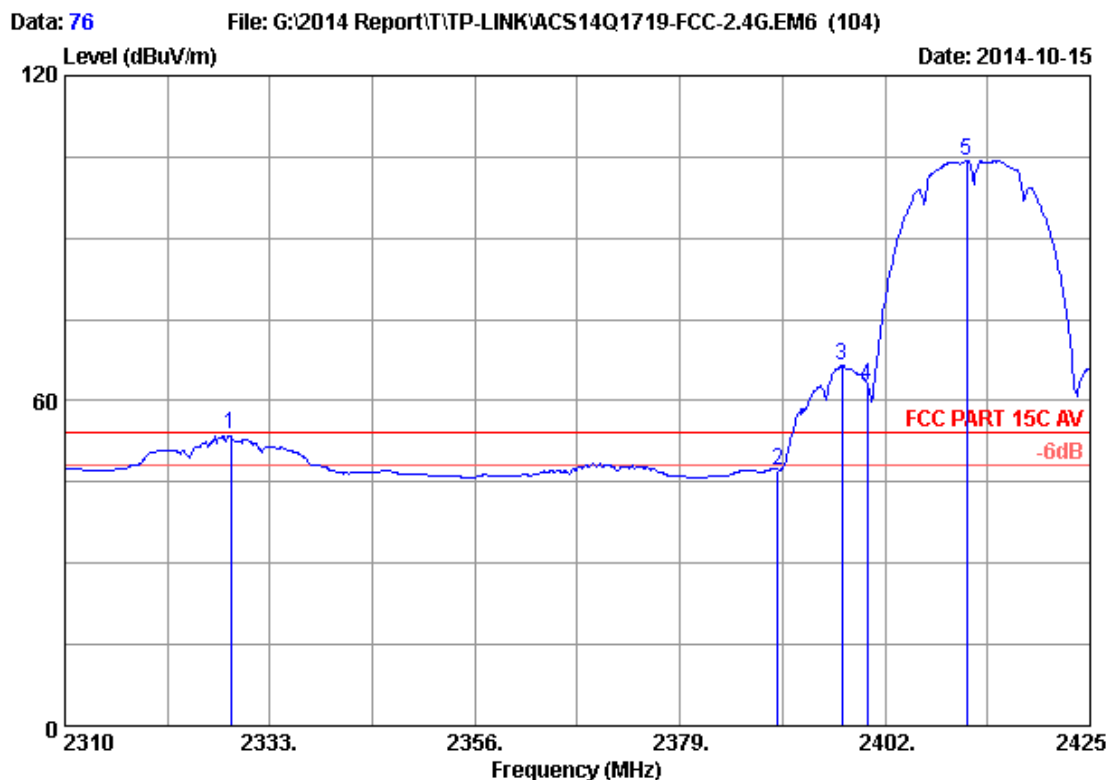
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 75
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11b CH1 2412MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2327.595	28.02	5.69	35.70	65.05	63.06	74.00	10.94	Peak
2	2390.000	28.16	5.78	35.70	61.15	59.39	74.00	14.61	Peak
3	2397.055	28.17	5.79	35.70	80.71	78.97	74.00	-4.97	Peak
4	2400.000	28.18	5.80	35.70	77.58	75.86	74.00	-1.86	Peak
5	2410.970	28.20	5.81	35.70	117.24	115.55	74.00	-41.55	Peak

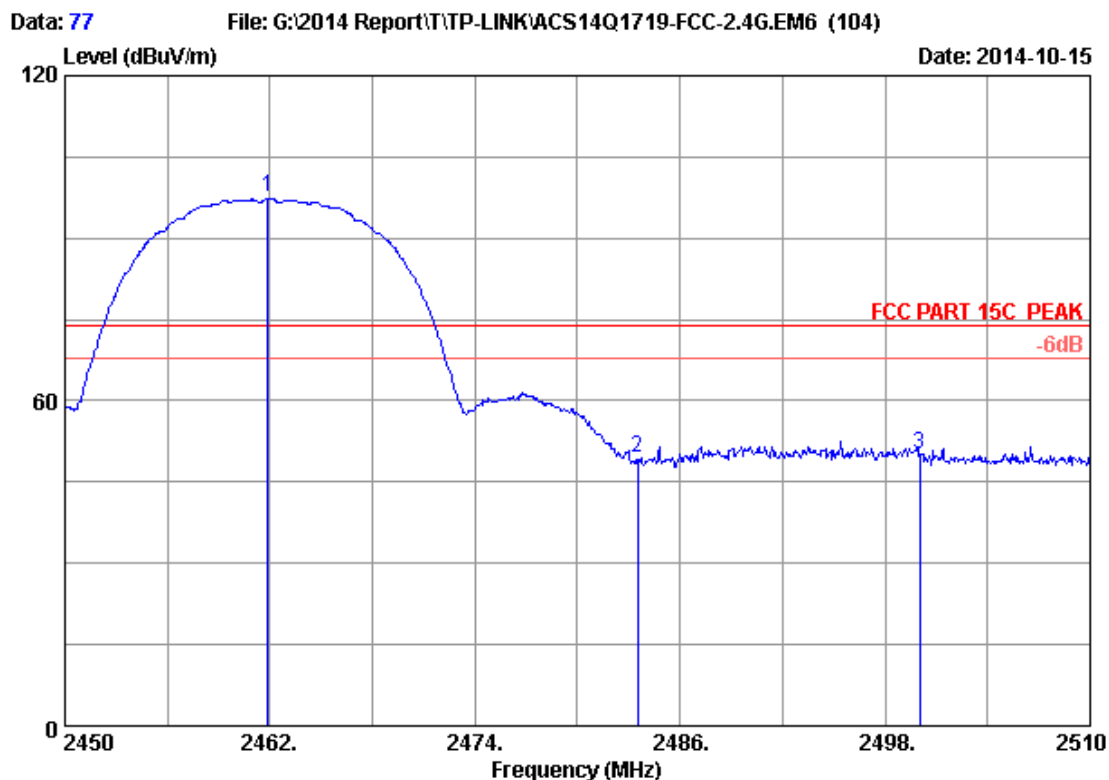
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 76
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11b CH1 2412MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2328.630	28.02	5.69	35.70	55.69	53.70	54.00	0.30	Average
2	2390.000	28.16	5.78	35.70	48.99	47.23	54.00	6.77	Average
3	2397.170	28.17	5.79	35.70	68.19	66.45	54.00	-12.45	Average
4	2400.000	28.18	5.80	35.70	64.70	62.98	54.00	-8.98	Average
5	2411.200	28.20	5.81	35.70	106.01	104.32	54.00	-50.32	Average

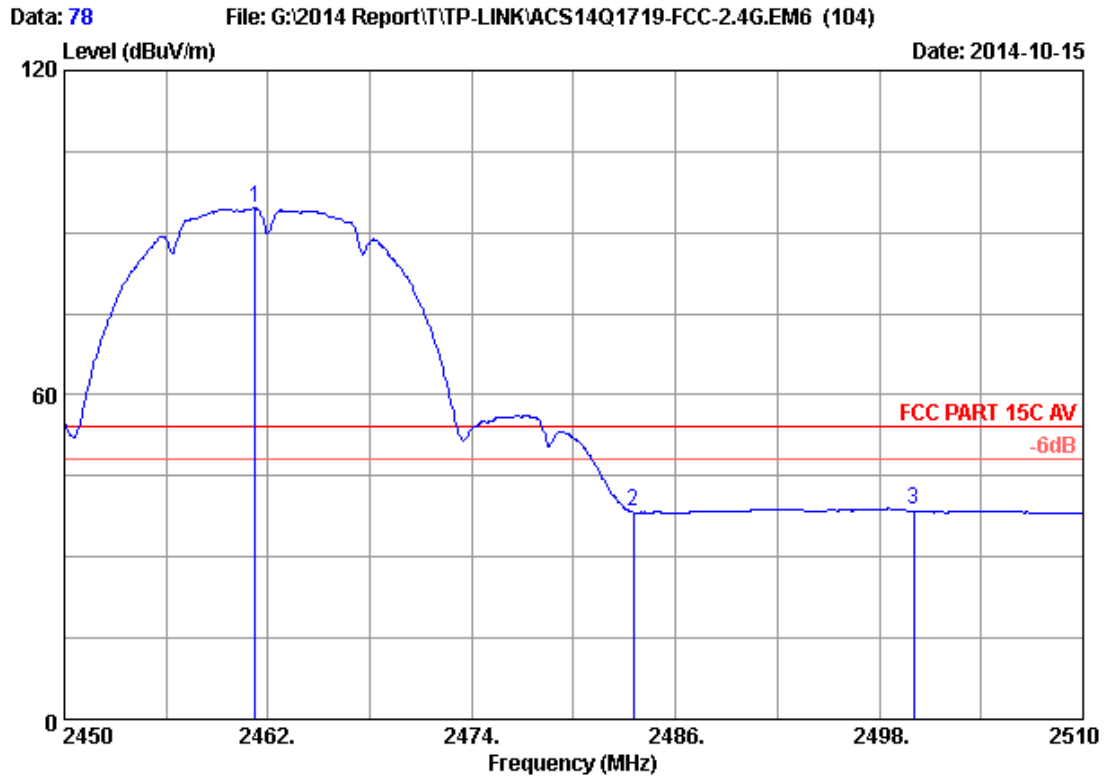
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 77
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express
 Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11b CH11 2462MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2461.880	28.32	5.89	35.70	99.08	97.59	74.00	-23.59	Peak
2	2483.500	28.36	5.92	35.70	50.74	49.32	74.00	24.68	Peak
3	2500.000	28.40	5.94	35.70	51.45	50.09	74.00	23.91	Peak

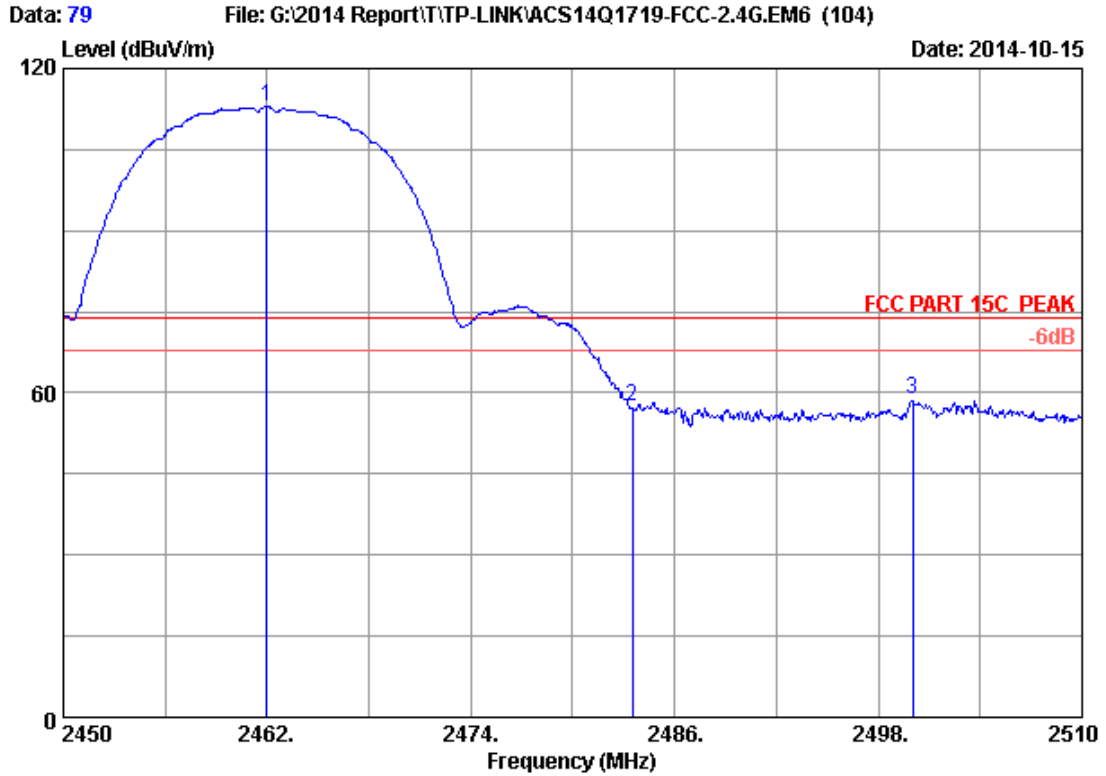
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 78
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11b CH11 2462MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2461.220	28.31	5.89	35.70	96.21	94.71	54.00	-40.71	Average
2	2483.500	28.36	5.92	35.70	39.91	38.49	54.00	15.51	Average
3	2500.000	28.40	5.94	35.70	40.16	38.80	54.00	15.20	Average

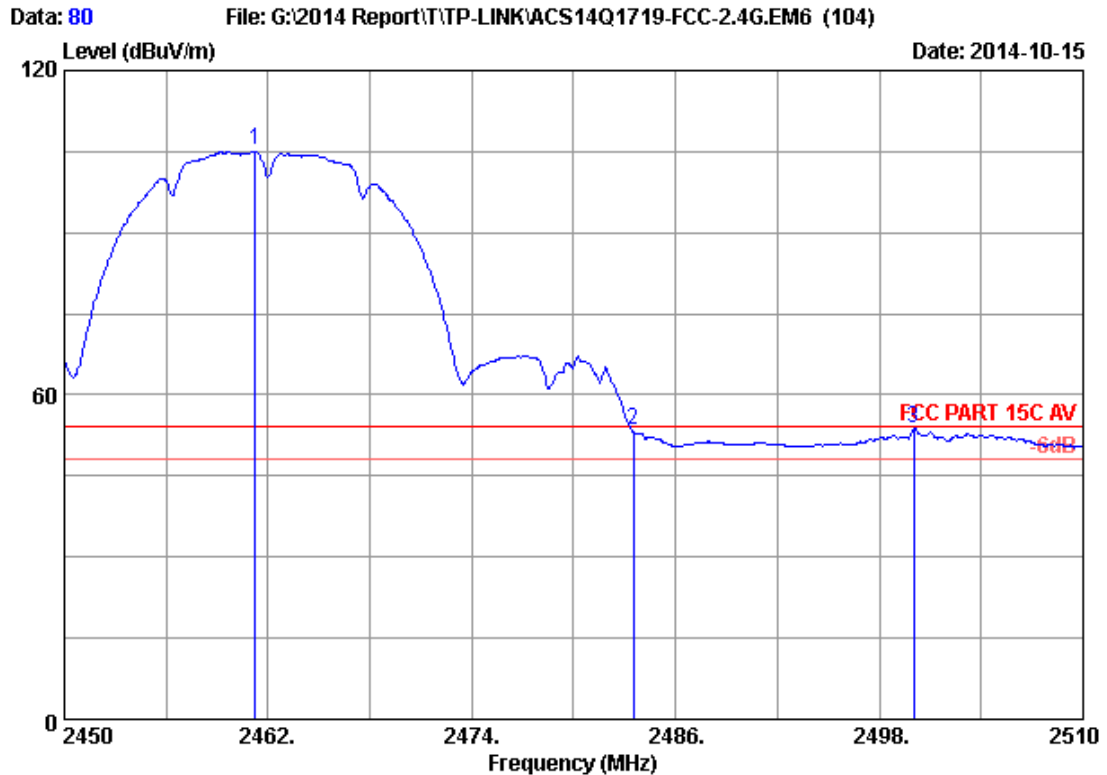
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 79
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11b CH11 2462MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.000	28.32	5.89	35.70	114.59	113.10	74.00	-39.10	Peak
2	2483.500	28.36	5.92	35.70	58.86	57.44	74.00	16.56	Peak
3	2500.000	28.40	5.94	35.70	60.04	58.68	74.00	15.32	Peak

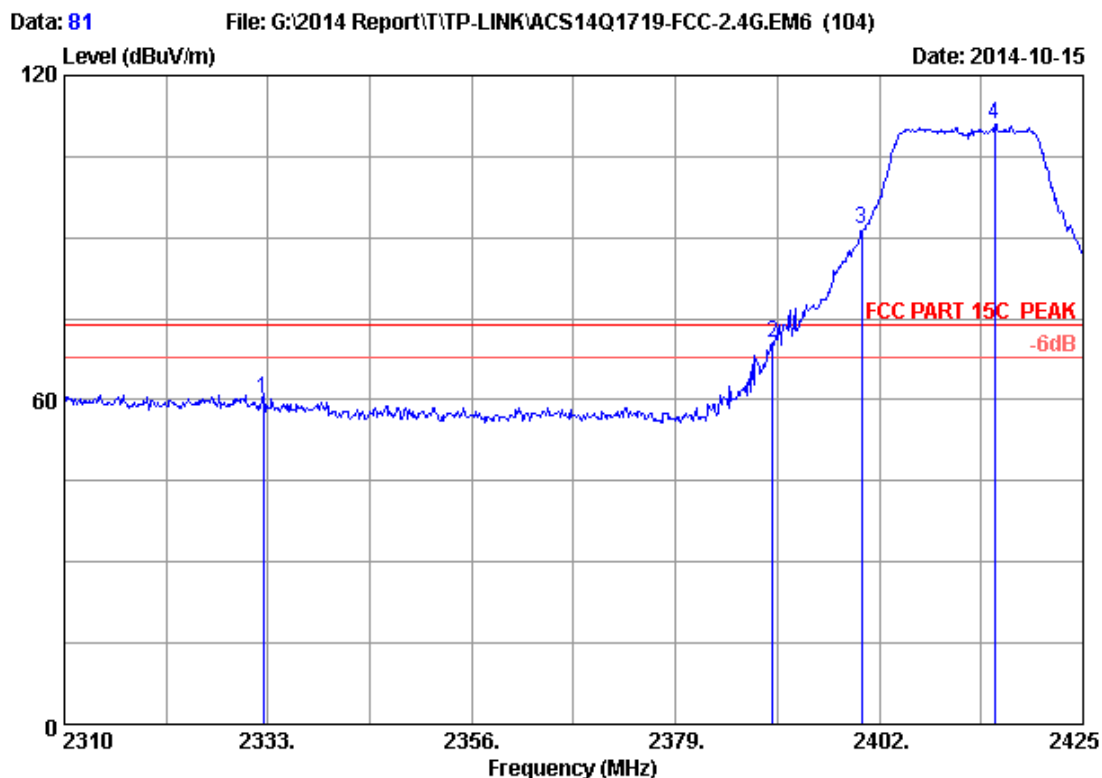
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 80
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11b CH11 2462MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2461.220	28.31	5.89	35.70	106.68	105.18	54.00	-51.18	Average
2	2483.500	28.36	5.92	35.70	54.77	53.35	54.00	0.65	Average
3	2500.000	28.40	5.94	35.70	55.15	53.79	54.00	0.21	Average

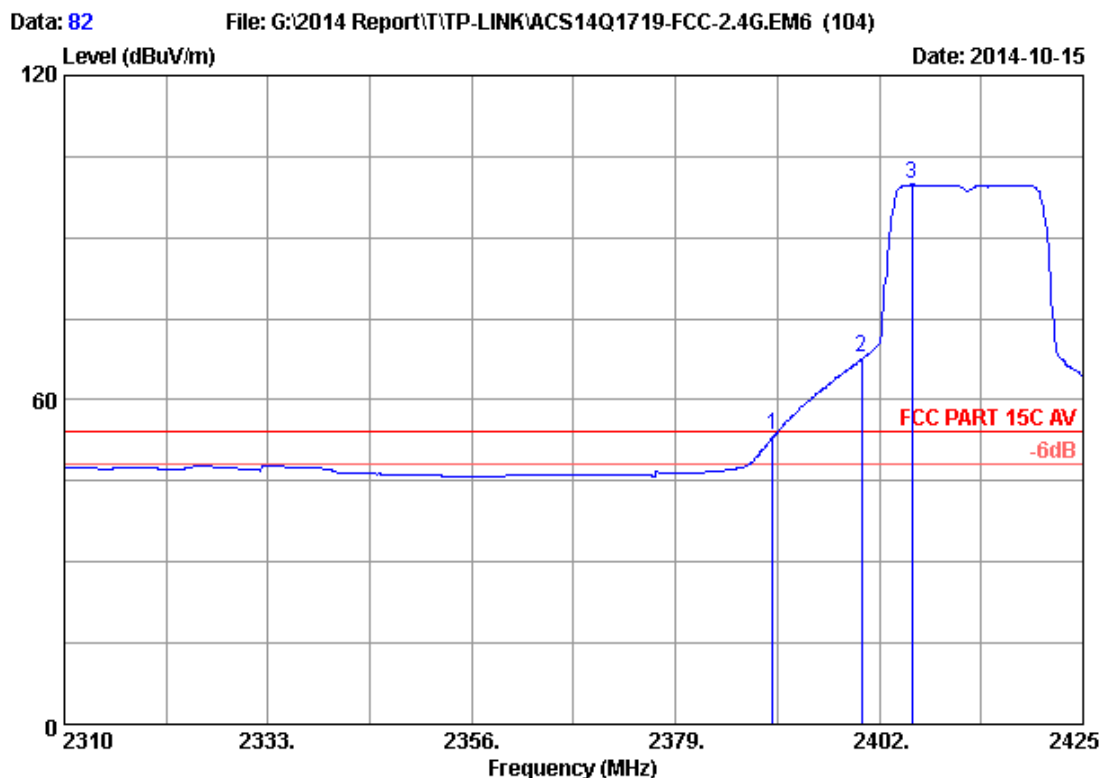
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 81
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11g CH1 2412MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2332.425	28.03	5.70	35.70	62.12	60.15	74.00	13.85	Peak
2	2390.000	28.16	5.78	35.70	72.37	70.61	74.00	3.39	Peak
3	2400.000	28.18	5.80	35.70	93.33	91.61	74.00	-17.61	Peak
4	2414.995	28.21	5.82	35.70	112.62	110.95	74.00	-36.95	Peak

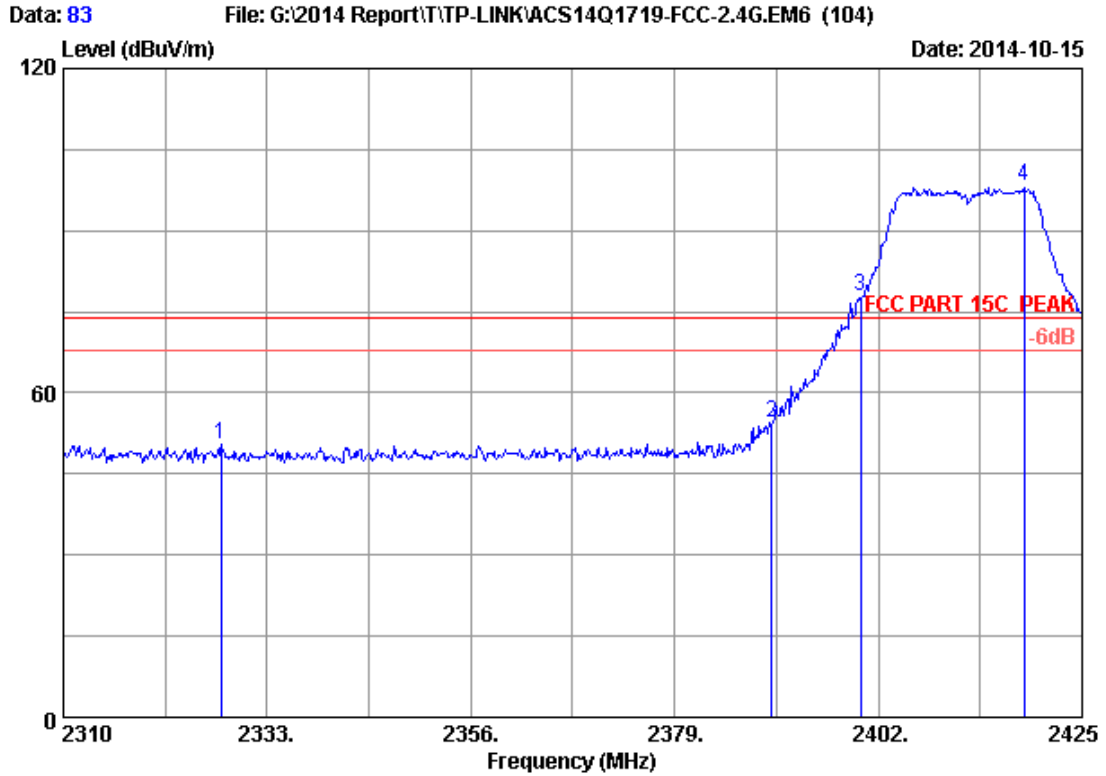
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 82
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express
 Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11g CH1 2412MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	28.16	5.78	35.70	55.29	53.53	54.00	0.47	Average
2	2400.000	28.18	5.80	35.70	69.58	67.86	54.00	-13.86	Average
3	2405.680	28.19	5.81	35.70	101.63	99.93	54.00	-45.93	Average

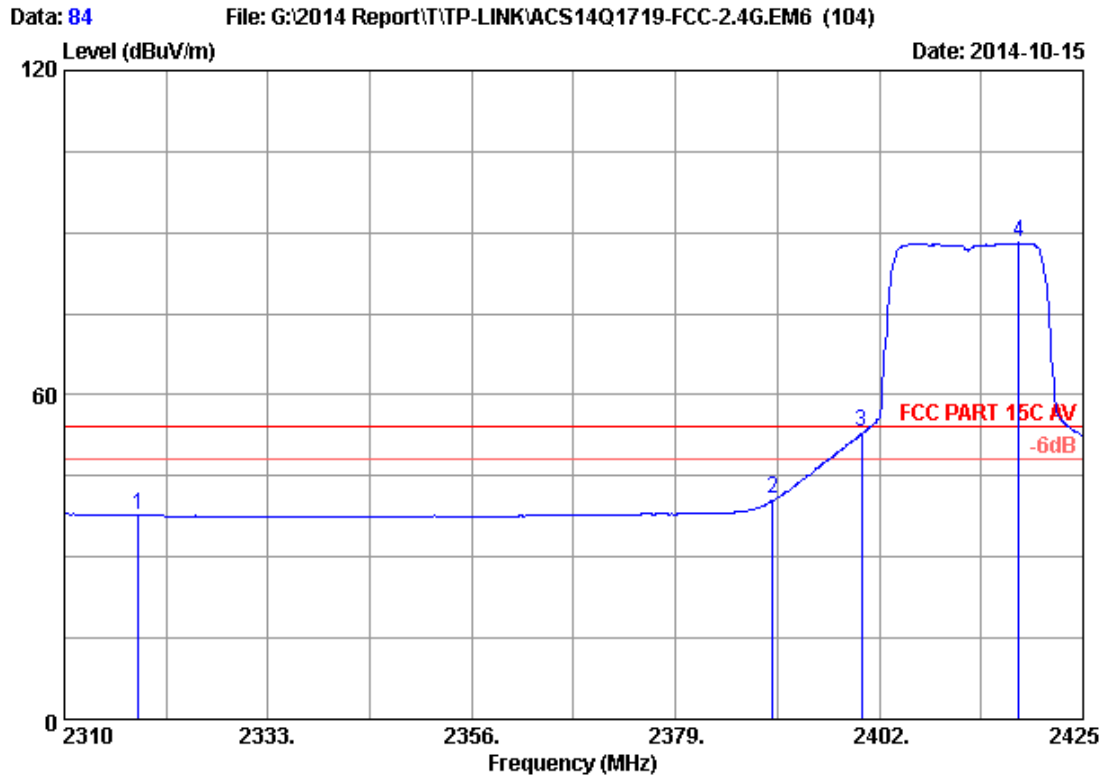
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 83
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11g CH1 2412MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2327.825	28.02	5.69	35.70	52.52	50.53	74.00	23.47	Peak
2	2390.000	28.16	5.78	35.70	56.38	54.62	74.00	19.38	Peak
3	2400.000	28.18	5.80	35.70	79.51	77.79	74.00	-3.79	Peak
4	2418.445	28.22	5.82	35.70	99.79	98.13	74.00	-24.13	Peak

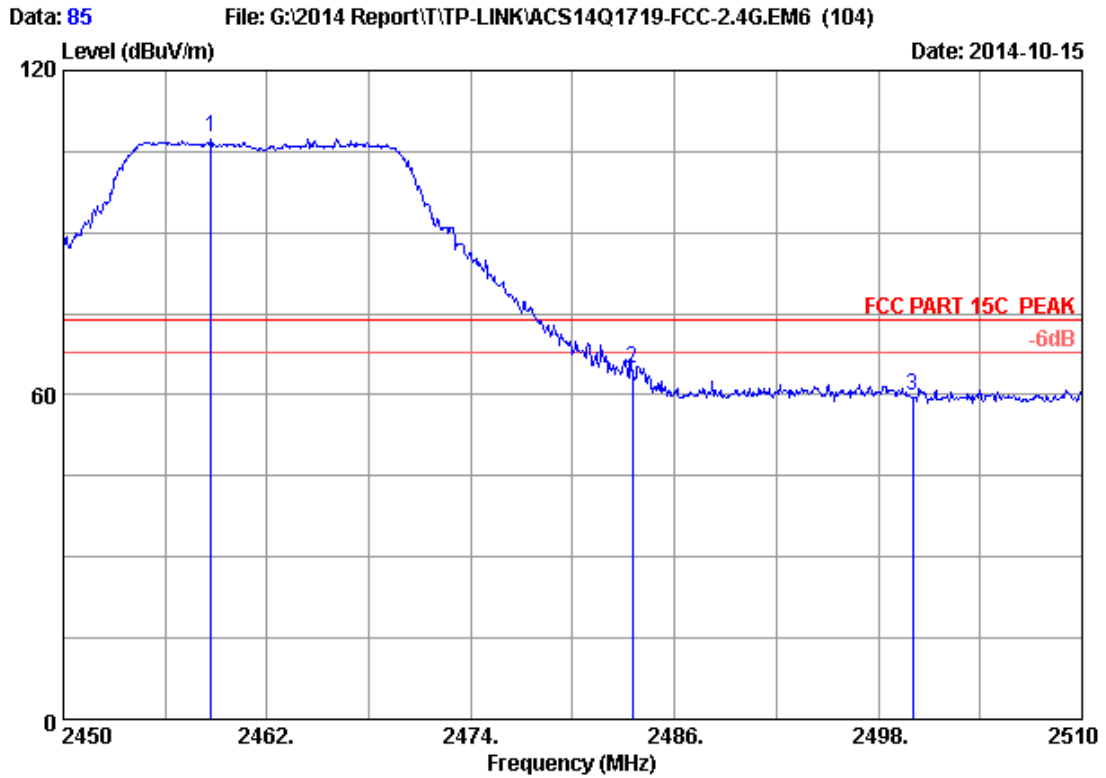
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 84
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11g CH1 2412MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2318.395	28.00	5.68	35.70	39.84	37.82	54.00	16.18	Average
2	2390.000	28.16	5.78	35.70	42.48	40.72	54.00	13.28	Average
3	2400.000	28.18	5.80	35.70	54.81	53.09	54.00	0.91	Average
4	2417.755	28.22	5.82	35.70	89.87	88.21	54.00	-34.21	Average

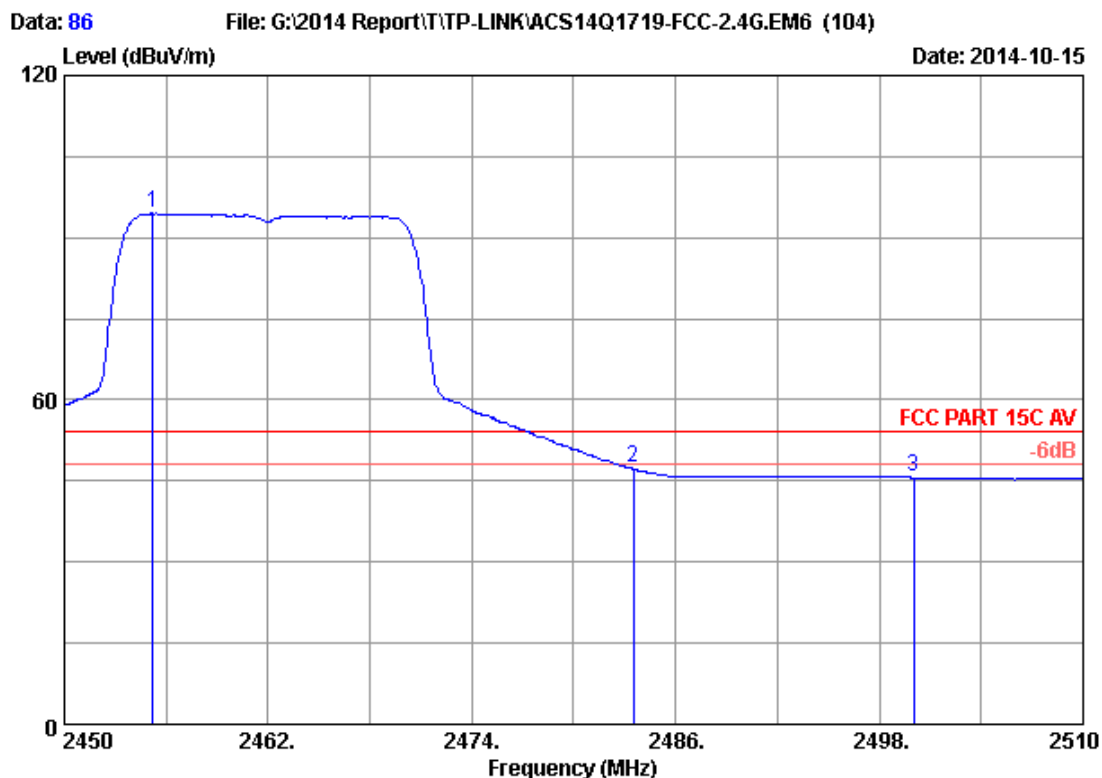
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 85
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11g CH11 2462MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2458.700	28.31	5.88	35.70	109.03	107.52	74.00	-33.52	Peak
2	2483.500	28.36	5.92	35.70	66.35	64.93	74.00	9.07	Peak
3	2500.000	28.40	5.94	35.70	61.13	59.77	74.00	14.23	Peak

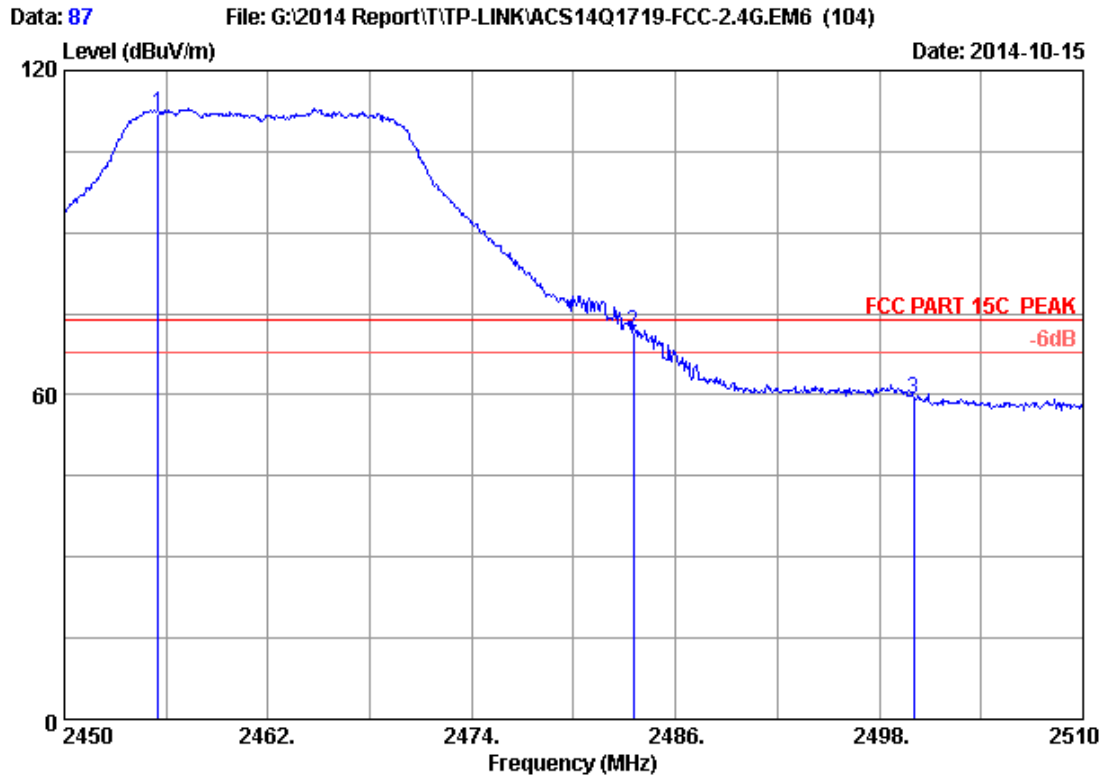
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 86
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11g CH11 2462MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2455.220	28.30	5.88	35.70	96.22	94.70	54.00	-40.70	Average
2	2483.500	28.36	5.92	35.70	48.86	47.44	54.00	6.56	Average
3	2500.000	28.40	5.94	35.70	47.12	45.76	54.00	8.24	Average

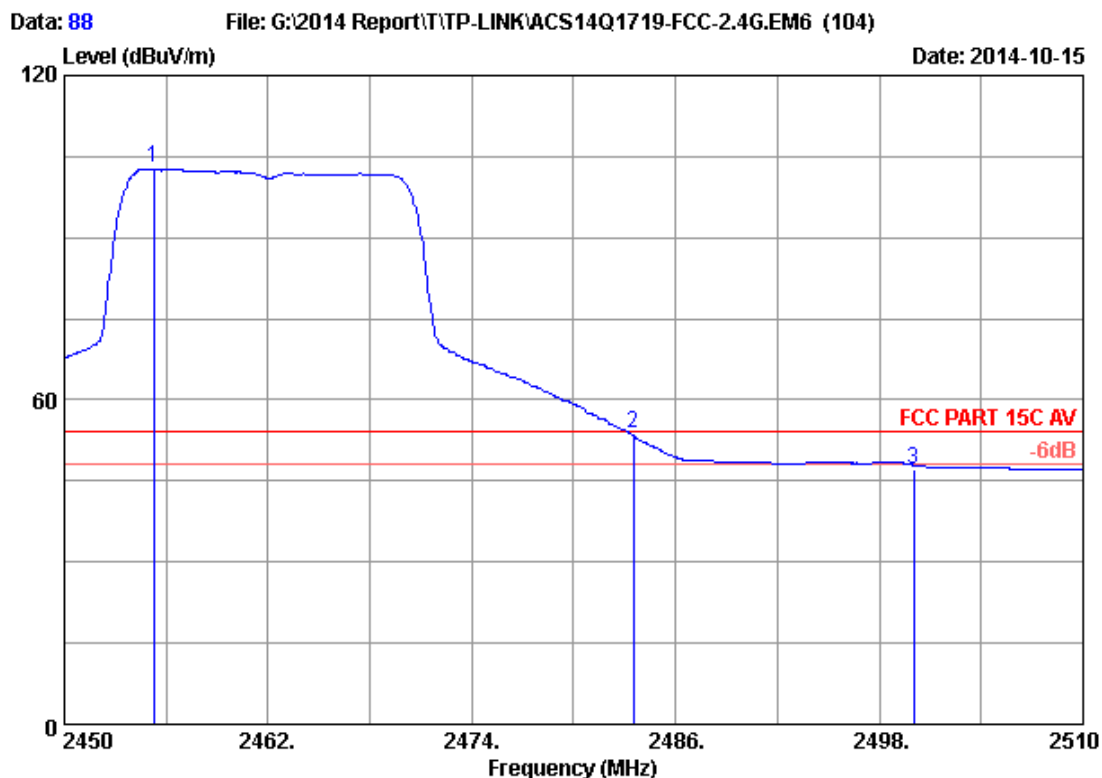
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 87
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11g CH11 2462MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2455.520	28.30	5.88	35.70	113.66	112.14	74.00	-38.14	Peak
2	2483.500	28.36	5.92	35.70	73.08	71.66	74.00	2.34	Peak
3	2500.000	28.40	5.94	35.70	60.56	59.20	74.00	14.80	Peak

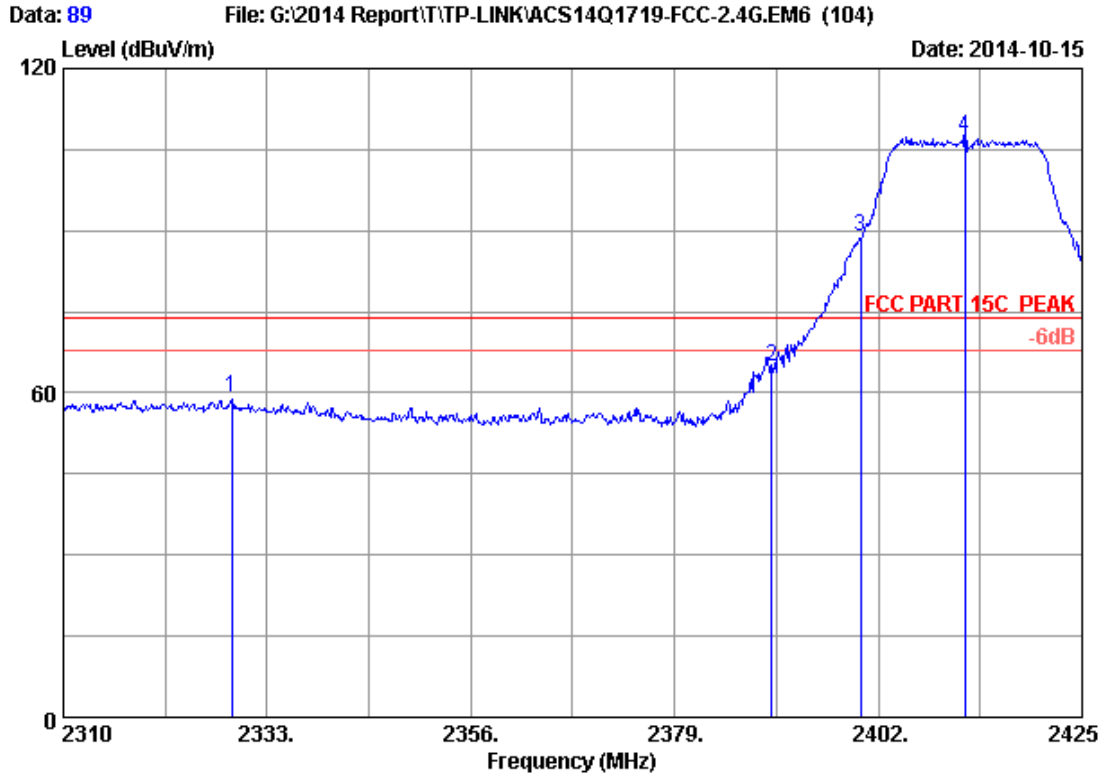
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 88
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11g CH11 2462MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2455.280	28.30	5.88	35.70	104.42	102.90	54.00	-48.90	Average
2	2483.500	28.36	5.92	35.70	55.12	53.70	54.00	0.30	Average
3	2500.000	28.40	5.94	35.70	48.54	47.18	54.00	6.82	Average

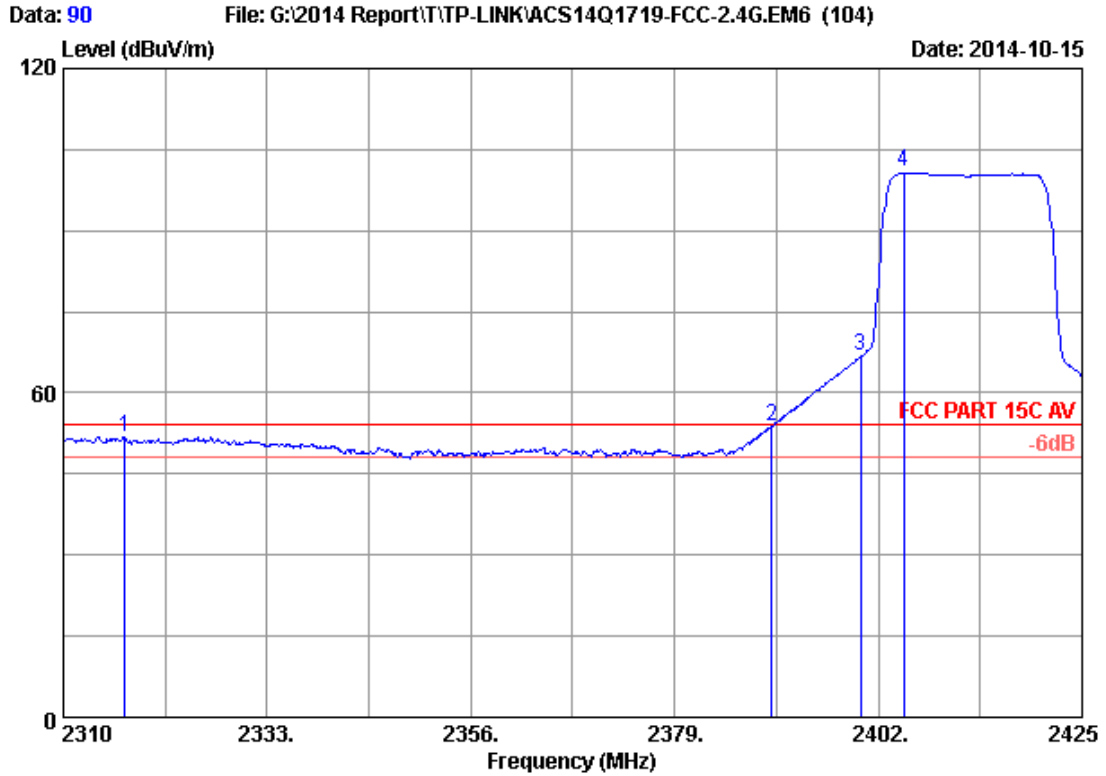
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 89
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 CH1 2412MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2328.975	28.02	5.69	35.70	61.04	59.05	74.00	14.95	Peak
2	2390.000	28.16	5.78	35.70	66.56	64.80	74.00	9.20	Peak
3	2400.000	28.18	5.80	35.70	90.56	88.84	74.00	-14.84	Peak
4	2411.775	28.21	5.81	35.70	109.08	107.40	74.00	-33.40	Peak

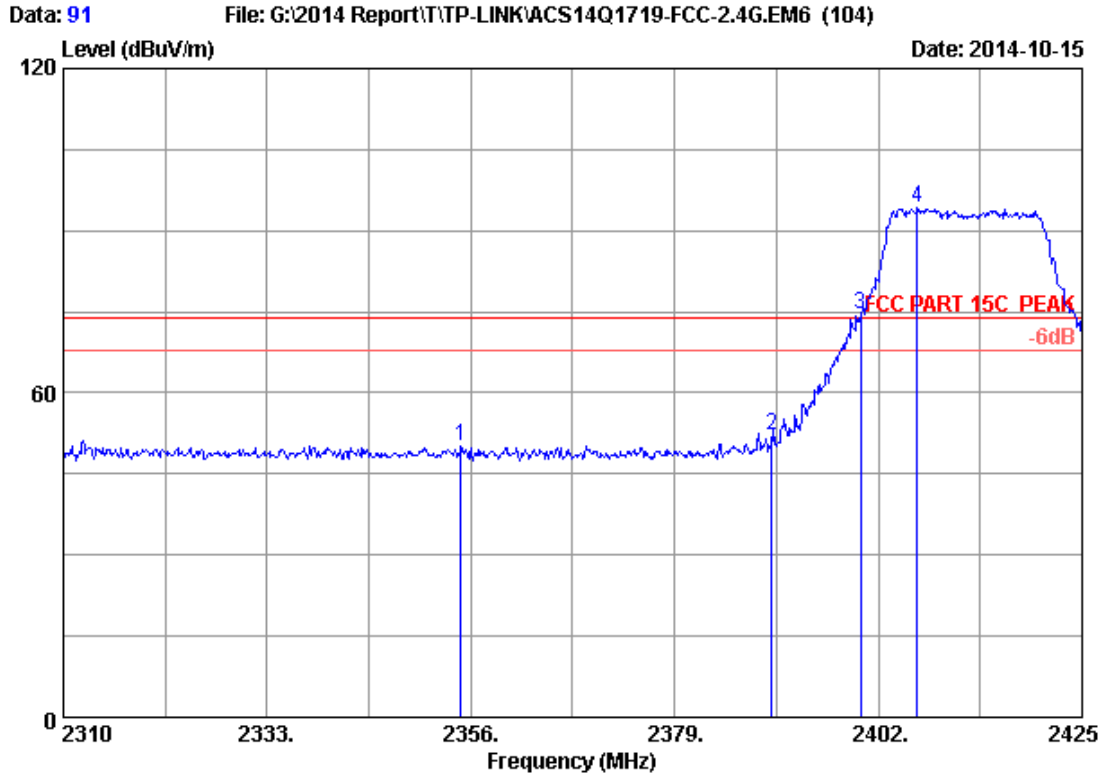
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 90
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 CH1 2412MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2316.900	28.00	5.68	35.70	53.76	51.74	54.00	2.26	Average
2	2390.000	28.16	5.78	35.70	55.50	53.74	54.00	0.26	Average
3	2400.000	28.18	5.80	35.70	68.70	66.98	54.00	-12.98	Average
4	2404.875	28.19	5.80	35.70	102.54	100.83	54.00	-46.83	Average

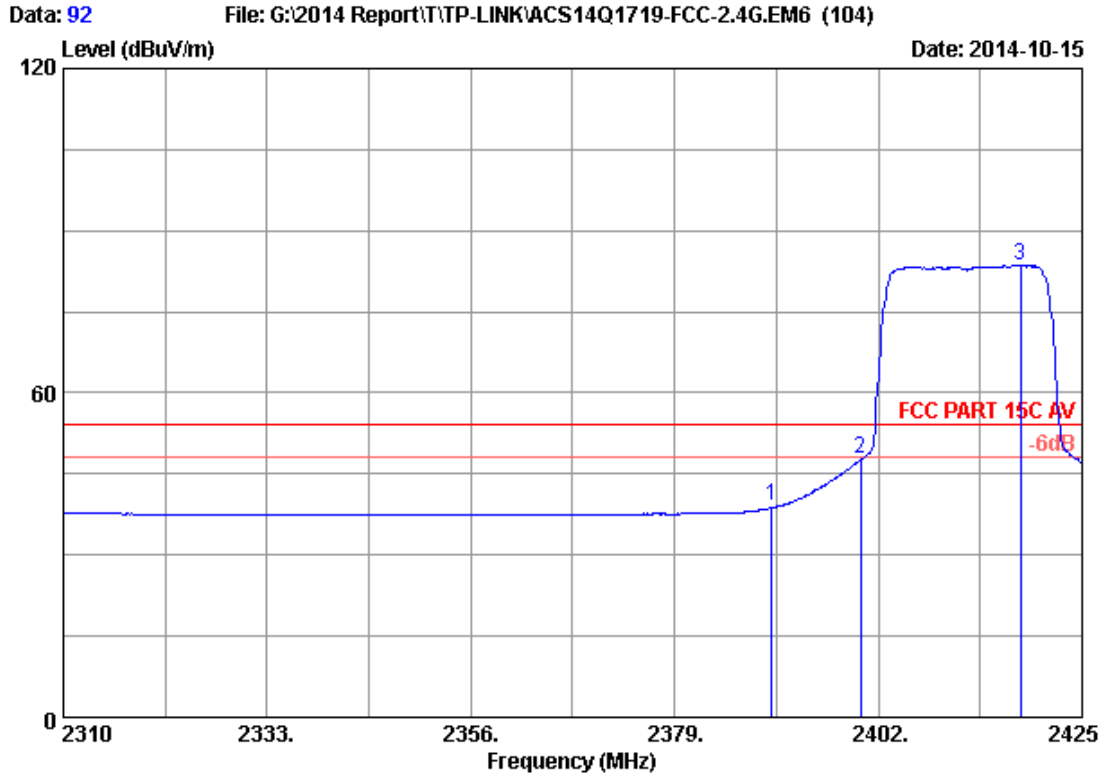
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 91
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 CH1 2412MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2354.850	28.08	5.73	35.70	52.03	50.14	74.00	23.86	Peak
2	2390.000	28.16	5.78	35.70	53.84	52.08	74.00	21.92	Peak
3	2400.000	28.18	5.80	35.70	76.40	74.68	74.00	-0.68	Peak
4	2406.370	28.19	5.81	35.70	95.92	94.22	74.00	-20.22	Peak

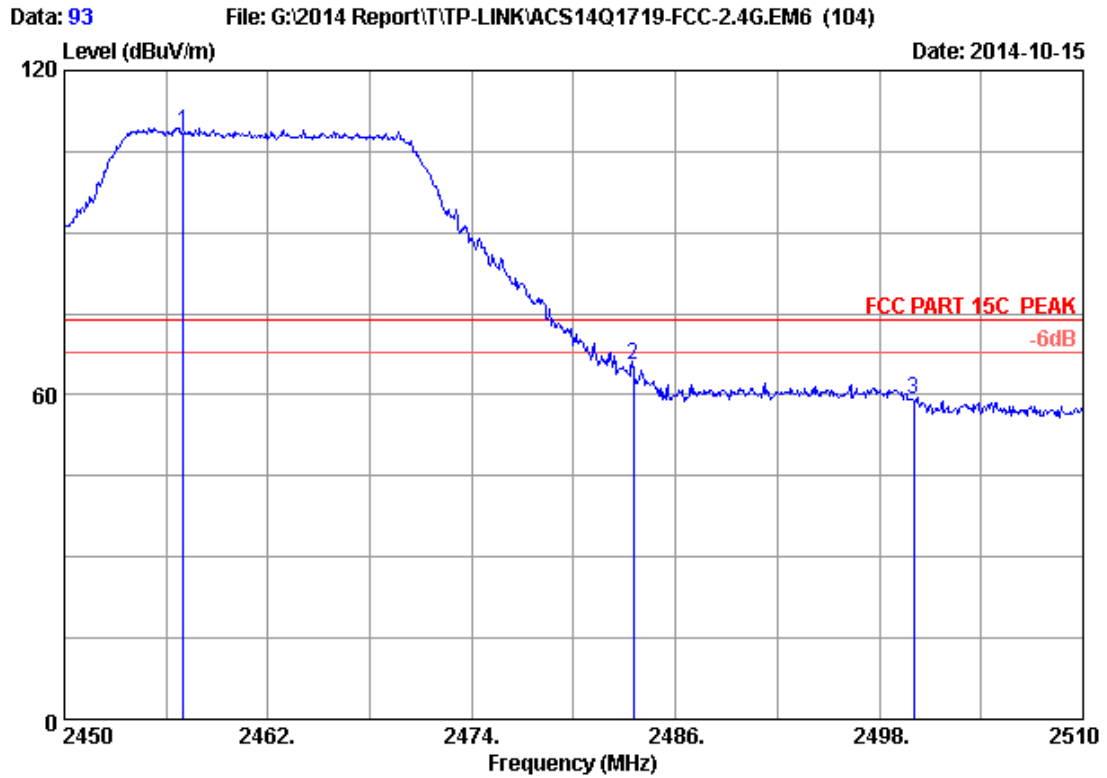
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 92
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 CH1 2412MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	28.16	5.78	35.70	40.72	38.96	54.00	15.04	Average
2	2400.000	28.18	5.80	35.70	49.64	47.92	54.00	6.08	Average
3	2418.100	28.22	5.82	35.70	85.38	83.72	54.00	-29.72	Average

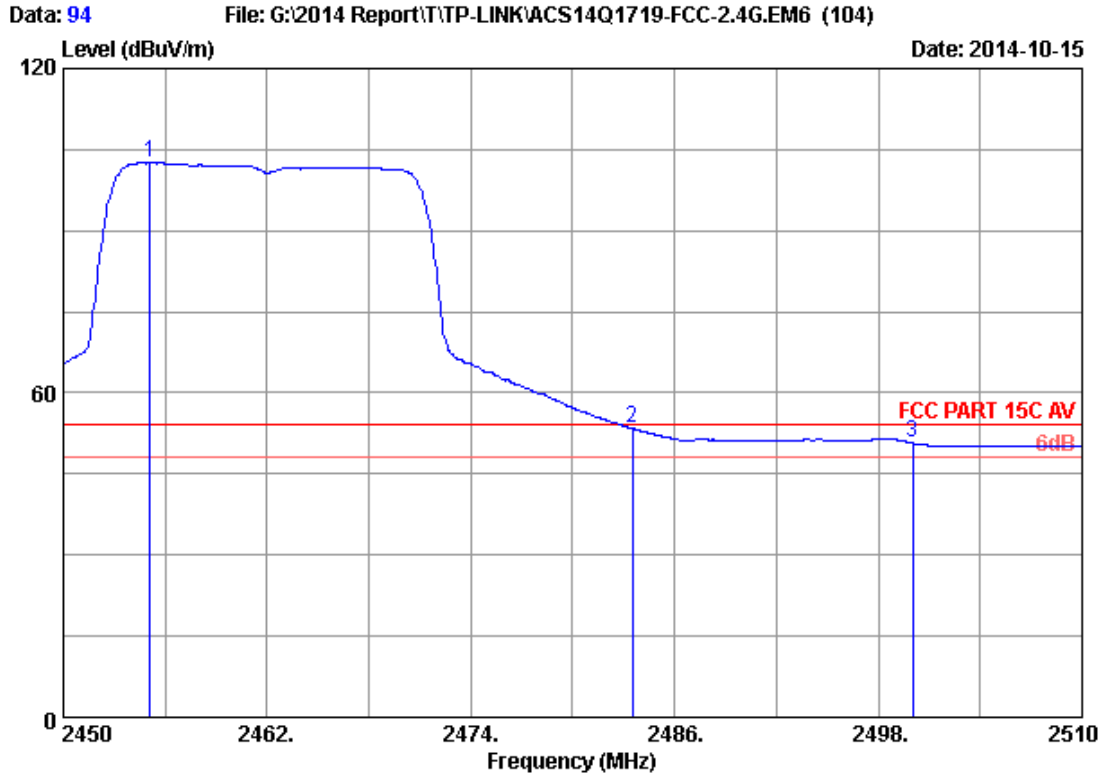
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 93
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 CH11 2462MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2457.020	28.31	5.88	35.70	110.27	108.76	74.00	-34.76	Peak
2	2483.500	28.36	5.92	35.70	66.93	65.51	74.00	8.49	Peak
3	2500.000	28.40	5.94	35.70	60.64	59.28	74.00	14.72	Peak

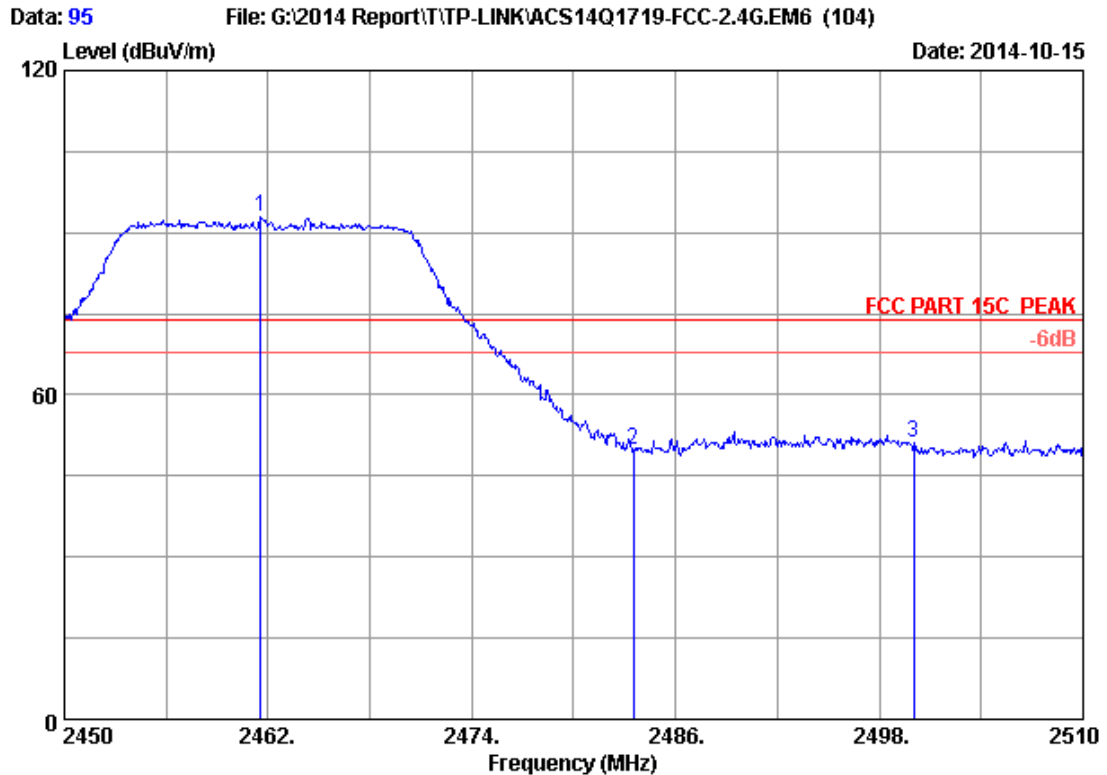
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 94
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 CH11 2462MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2455.100	28.30	5.88	35.70	104.29	102.77	54.00	-48.77	Average
2	2483.500	28.36	5.92	35.70	54.99	53.57	54.00	0.43	Average
3	2500.000	28.40	5.94	35.70	52.27	50.91	54.00	3.09	Average

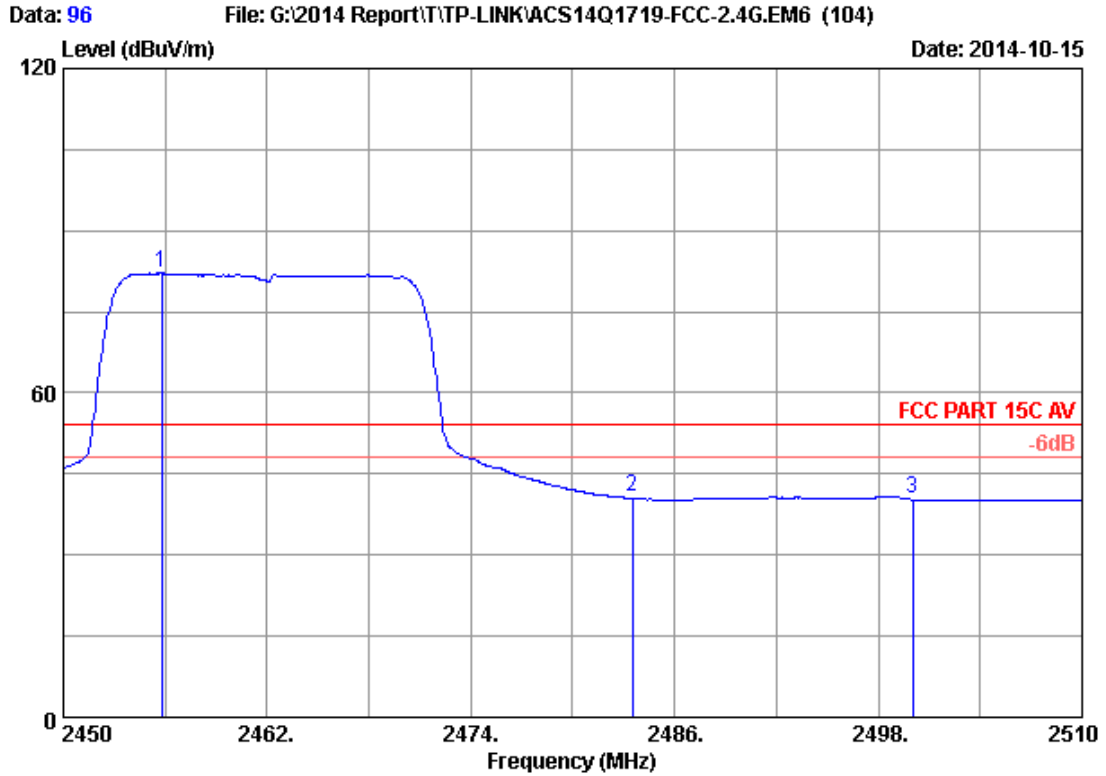
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 95
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 CH11 2462MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2461.580	28.32	5.89	35.70	94.49	93.00	74.00	-19.00	Peak
2	2483.500	28.36	5.92	35.70	51.12	49.70	74.00	24.30	Peak
3	2500.000	28.40	5.94	35.70	52.44	51.08	74.00	22.92	Peak

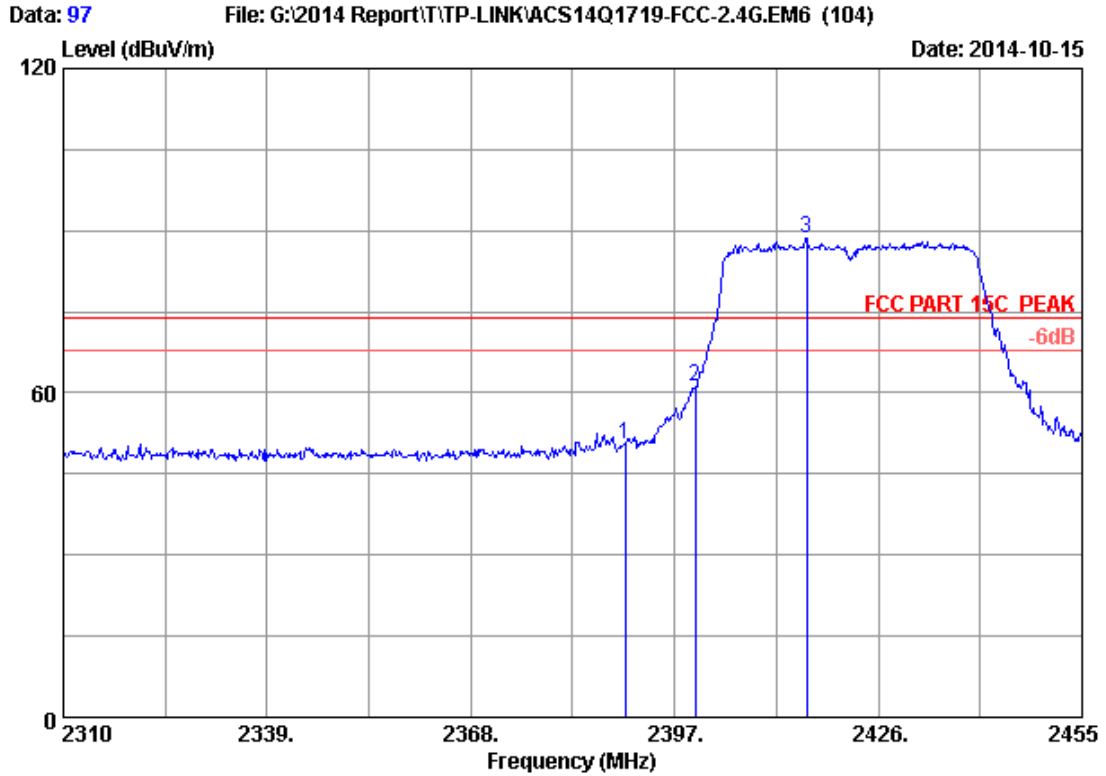
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 96
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express
 Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 CH11 2462MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2455.820	28.30	5.88	35.70	83.86	82.34	54.00	-28.34	Average
2	2483.500	28.36	5.92	35.70	42.11	40.69	54.00	13.31	Average
3	2500.000	28.40	5.94	35.70	41.85	40.49	54.00	13.51	Average

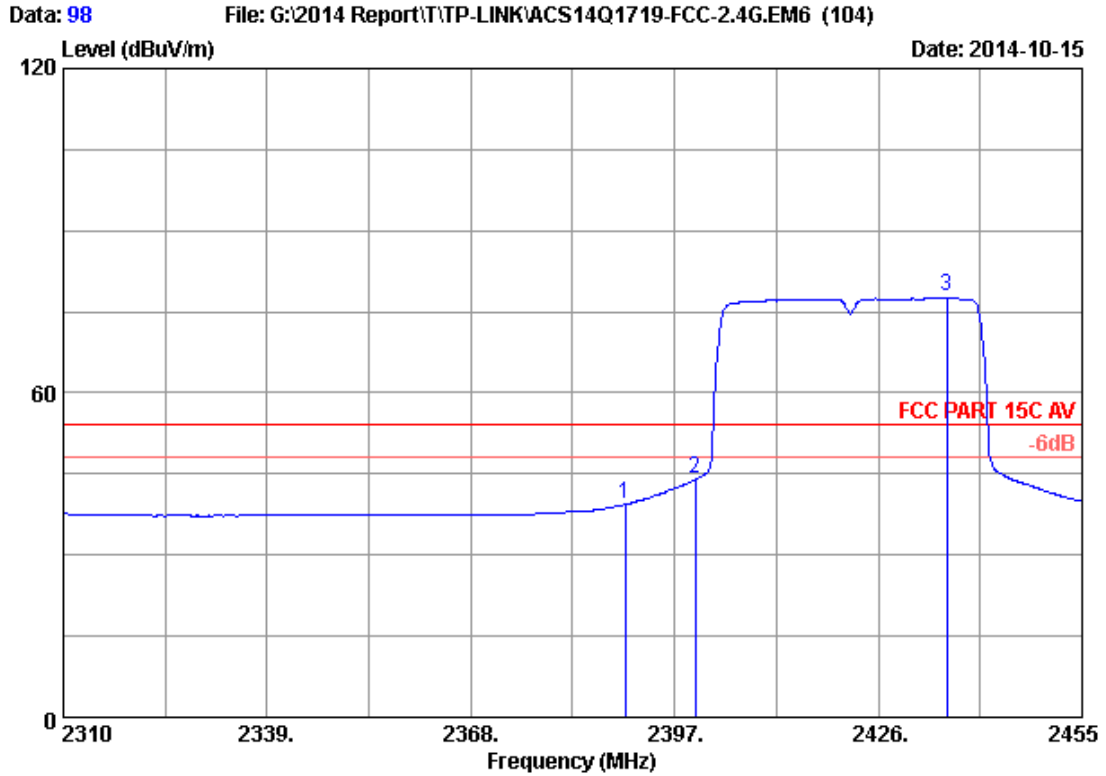
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 97
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 CH3 2422MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	28.16	5.78	35.70	52.21	50.45	74.00	23.55	Peak
2	2400.000	28.18	5.80	35.70	63.00	61.28	74.00	12.72	Peak
3	2415.850	28.21	5.82	35.70	90.33	88.66	74.00	-14.66	Peak

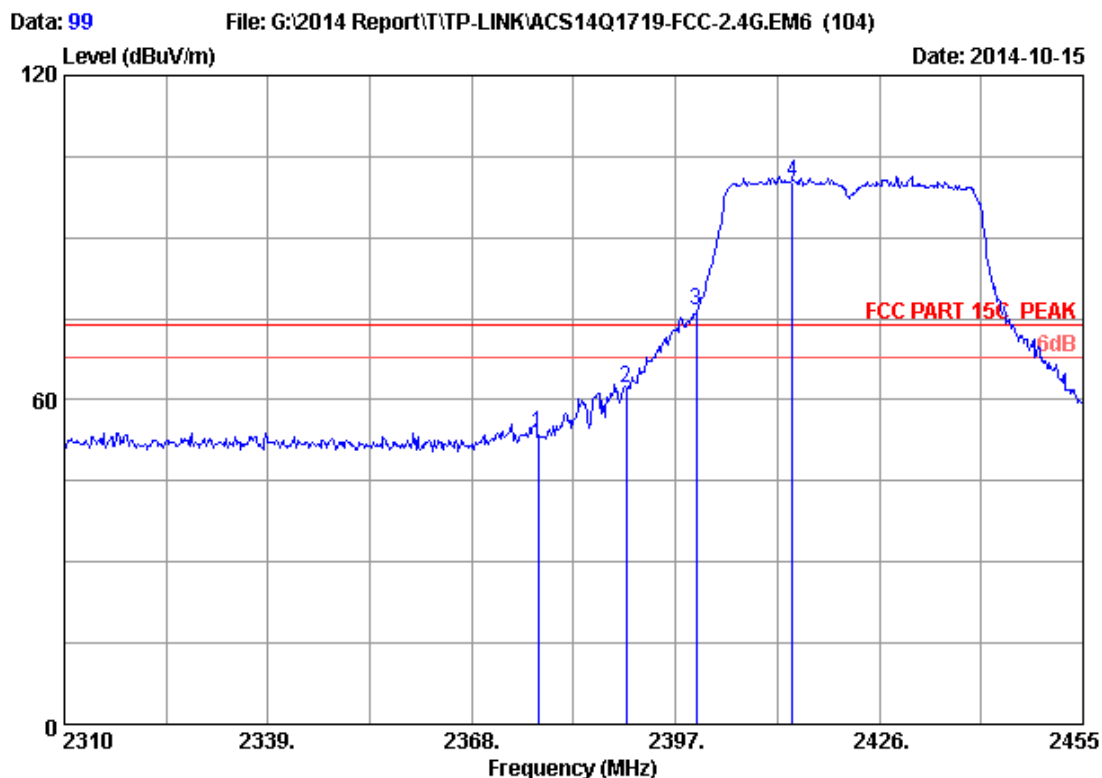
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 98
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 CH3 2422MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	28.16	5.78	35.70	41.32	39.56	54.00	14.44	Average
2	2400.000	28.18	5.80	35.70	45.99	44.27	54.00	9.73	Average
3	2435.715	28.26	5.85	35.70	79.33	77.74	54.00	-23.74	Average

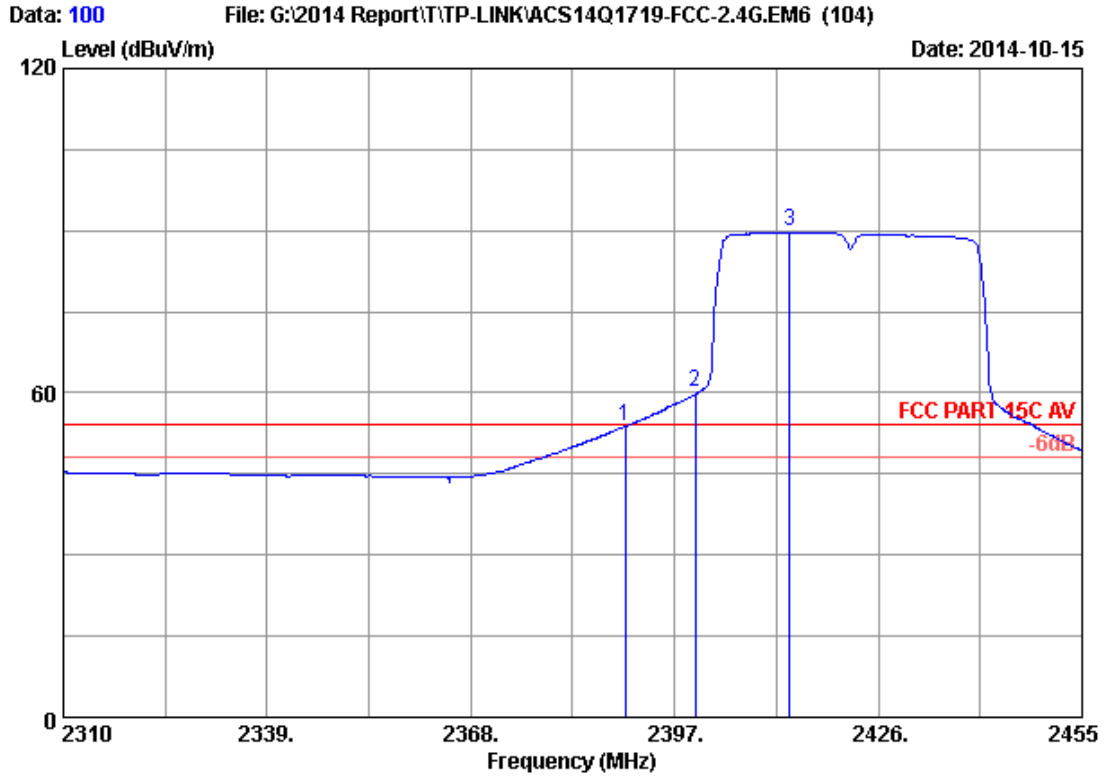
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 99
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 CH3 2422MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2377.425	28.13	5.76	35.70	55.49	53.68	74.00	20.32	Peak
2	2390.000	28.16	5.78	35.70	64.02	62.26	74.00	11.74	Peak
3	2400.000	28.18	5.80	35.70	78.41	76.69	74.00	-2.69	Peak
4	2413.675	28.21	5.82	35.70	102.00	100.33	74.00	-26.33	Peak

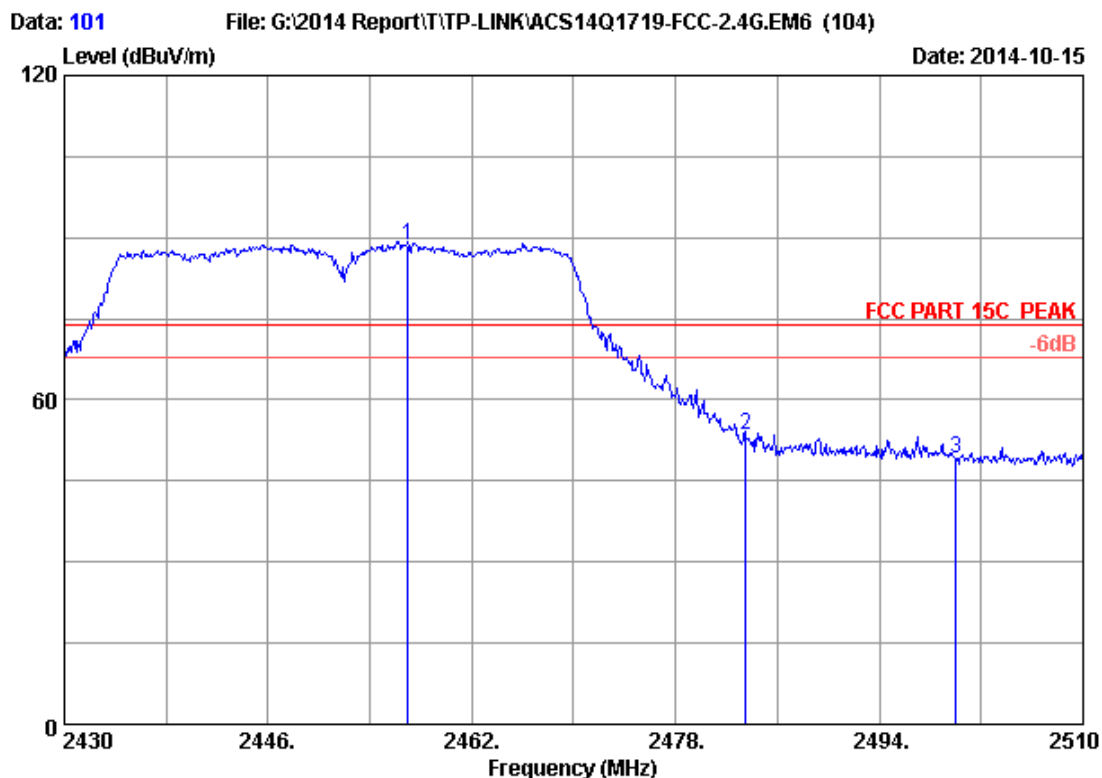
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 100
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 CH3 2422MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	28.16	5.78	35.70	55.51	53.75	54.00	0.25	Average
2	2400.000	28.18	5.80	35.70	61.79	60.07	54.00	-6.07	Average
3	2413.385	28.21	5.82	35.70	91.45	89.78	54.00	-35.78	Average

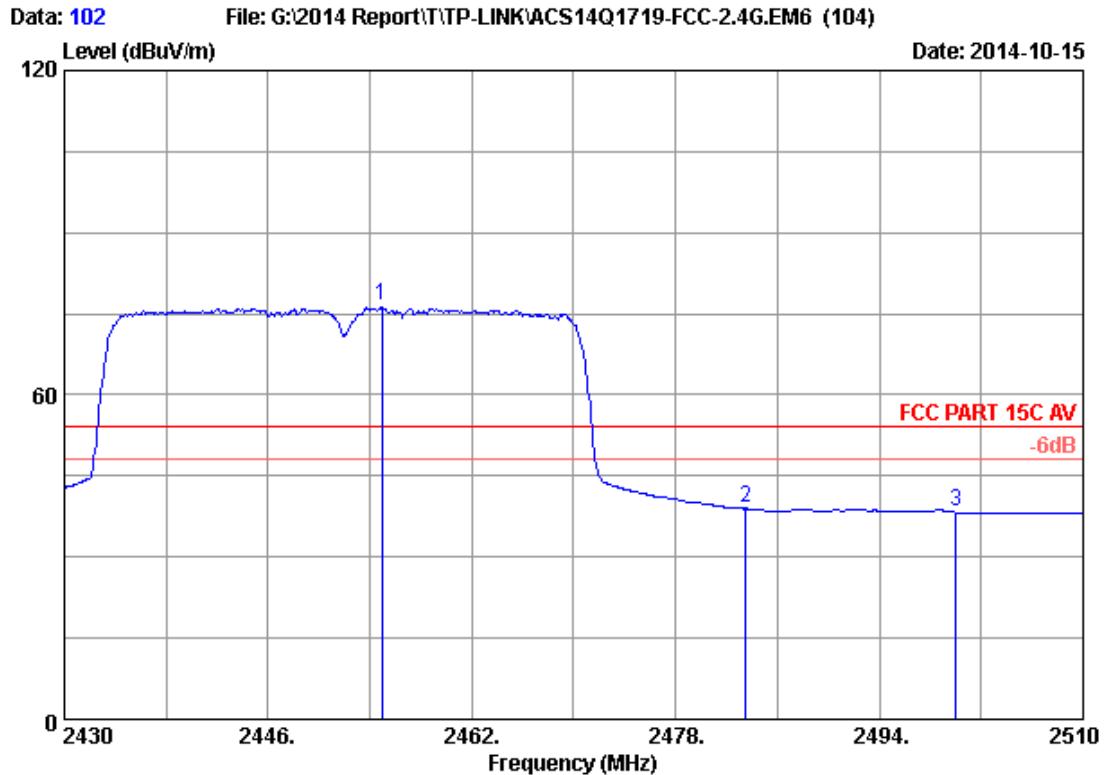
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 101
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 CH9 2452MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2456.960	28.31	5.88	35.70	90.11	88.60	74.00	-14.60	Peak
2	2483.500	28.36	5.92	35.70	55.07	53.65	74.00	20.35	Peak
3	2500.000	28.40	5.94	35.70	50.54	49.18	74.00	24.82	Peak

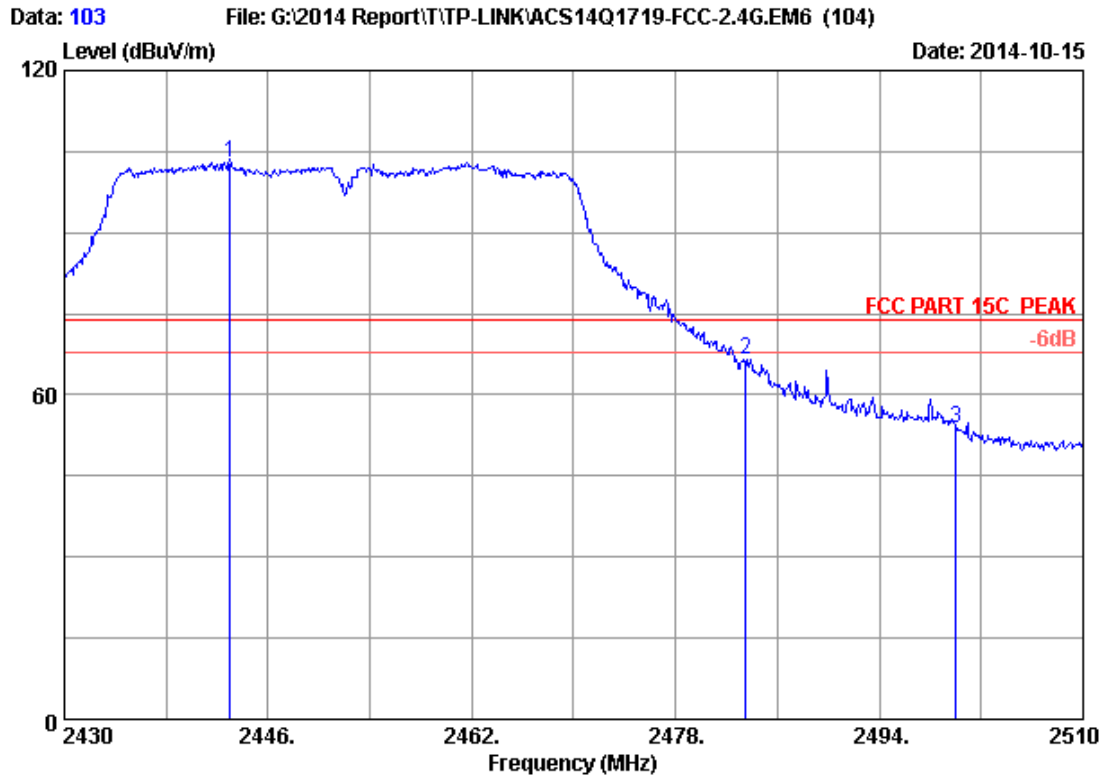
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 102
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 CH9 2452MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2454.960	28.30	5.88	35.70	78.01	76.49	54.00	-22.49	Average
2	2483.500	28.36	5.92	35.70	40.56	39.14	54.00	14.86	Average
3	2500.000	28.40	5.94	35.70	39.84	38.48	54.00	15.52	Average

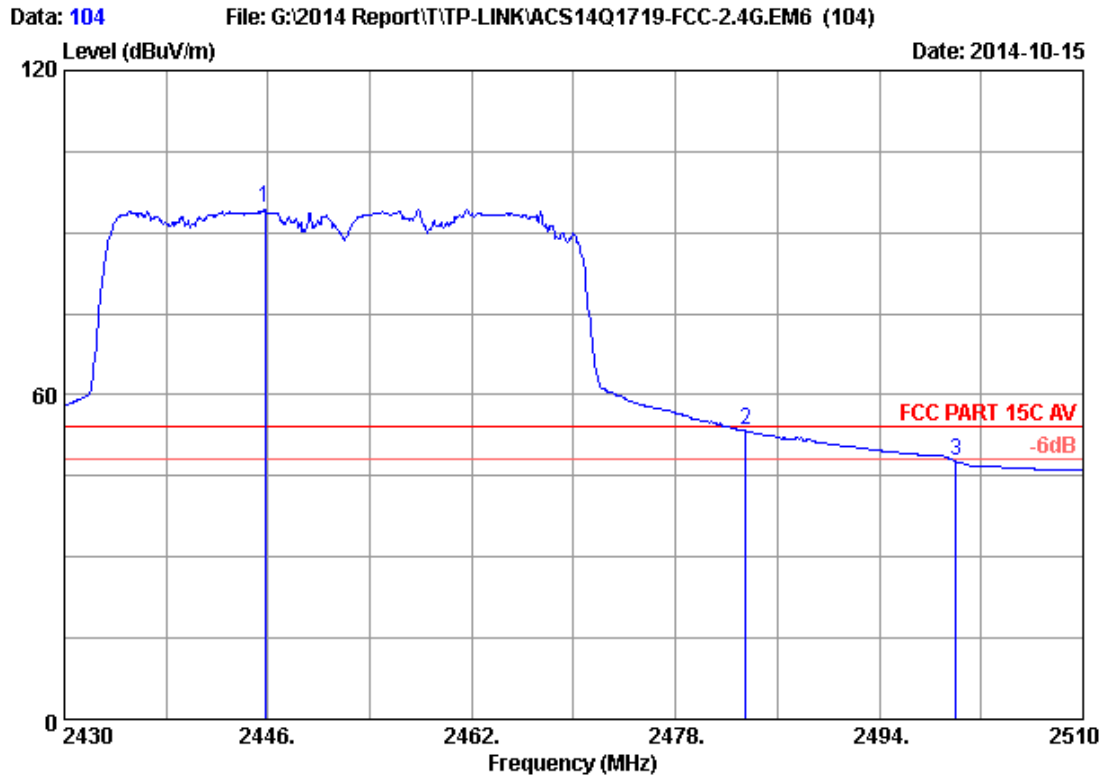
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 103
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 CH9 2452MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2443.040	28.27	5.86	35.70	104.45	102.88	74.00	-28.88	Peak
2	2483.500	28.36	5.92	35.70	67.79	66.37	74.00	7.63	Peak
3	2500.000	28.40	5.94	35.70	55.16	53.80	74.00	20.20	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 104
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : AC1750 Wireless Dual Band PCI Express
 Adapter
 Power rating : DC 12V&3.3V Via PC Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 CH9 2452MHz Tx
 M/N : Archer T8E

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2445.760	28.28	5.86	35.70	96.15	94.59	54.00	-40.59	Average
2	2483.500	28.36	5.92	35.70	54.99	53.57	54.00	0.43	Average
3	2500.000	28.40	5.94	35.70	49.26	47.90	54.00	6.10	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.

7. 6dB Bandwidth Test

7.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4446A	US44300459	Apr. 28,14	1 Year
2.	Spectrum	Agilent	N9030A	MY51380221	Oct.29, 14	1Year
3.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr. 28,14	1 Year
4.	RF Cable	Hubersuhner	SUCOFLEX102	28620/2	Apr. 28,14	1 Year

7.2. Limit

For direct sequence systems, the minimum 6dB bandwidth shall be at least 500kHz

7.3. Test Procedure

The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 300kHz RBW and 1MHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

7.4. Test Results

EUT: AC1750 Wireless Dual Band PCI Express Adapter		
M/N: Archer T8E		
Test date: 2014-10-25	Pressure: 101.1±1.0kpa	Humidity: 49.9±3.0%
Tested by: Kevin_Hu	Test site: RF site	Temperature:22.5±0.6℃

Cable loss: 1 dB		Attenuator loss: 10 dB			
Test Mode	CH	6dB bandwidth (MHz)			Limit (kHz)
		ANT0	ANT1	ANT2	
11b	CH1	10.15	10.13	10.14	>500
	CH6	10.14	10.13	10.13	>500
	CH11	10.12	10.14	10.14	>500
11g	CH1	16.34	16.07	16.33	>500
	CH6	16.34	16.35	16.36	>500
	CH11	16.33	16.33	16.35	>500
11n HT20	CH1	17.31	17.33	17.32	>500
	CH6	17.31	17.58	17.59	>500
	CH11	17.27	17.58	17.19	>500
11n HT40	CH1	36.37	36.40	36.37	>500
	CH4	36.39	36.41	36.39	>500
	CH7	36.39	36.39	36.41	>500
Conclusion : PASS					

ANT 0:

Test Mode: IEEE 802.11b TX

Test CH1: 2412MHz



Test CH6: 2437MHz

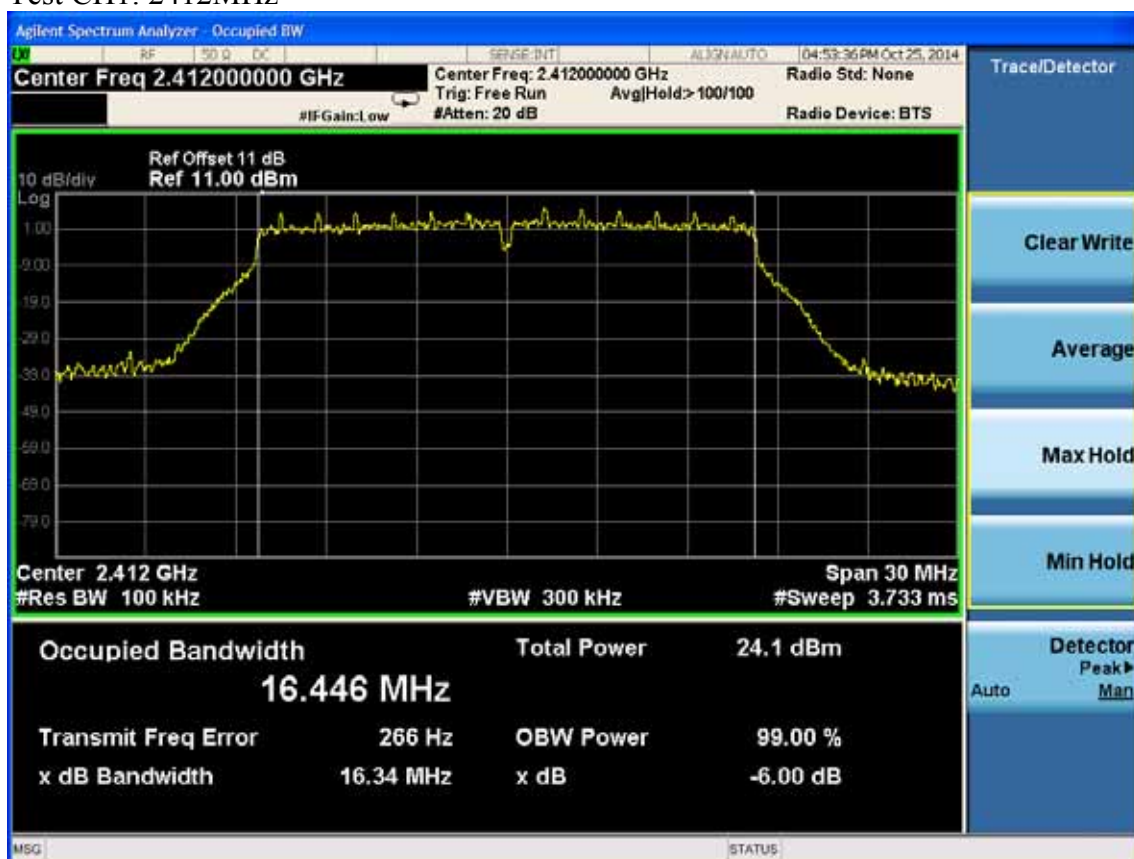


Test CH11: 2462MHz

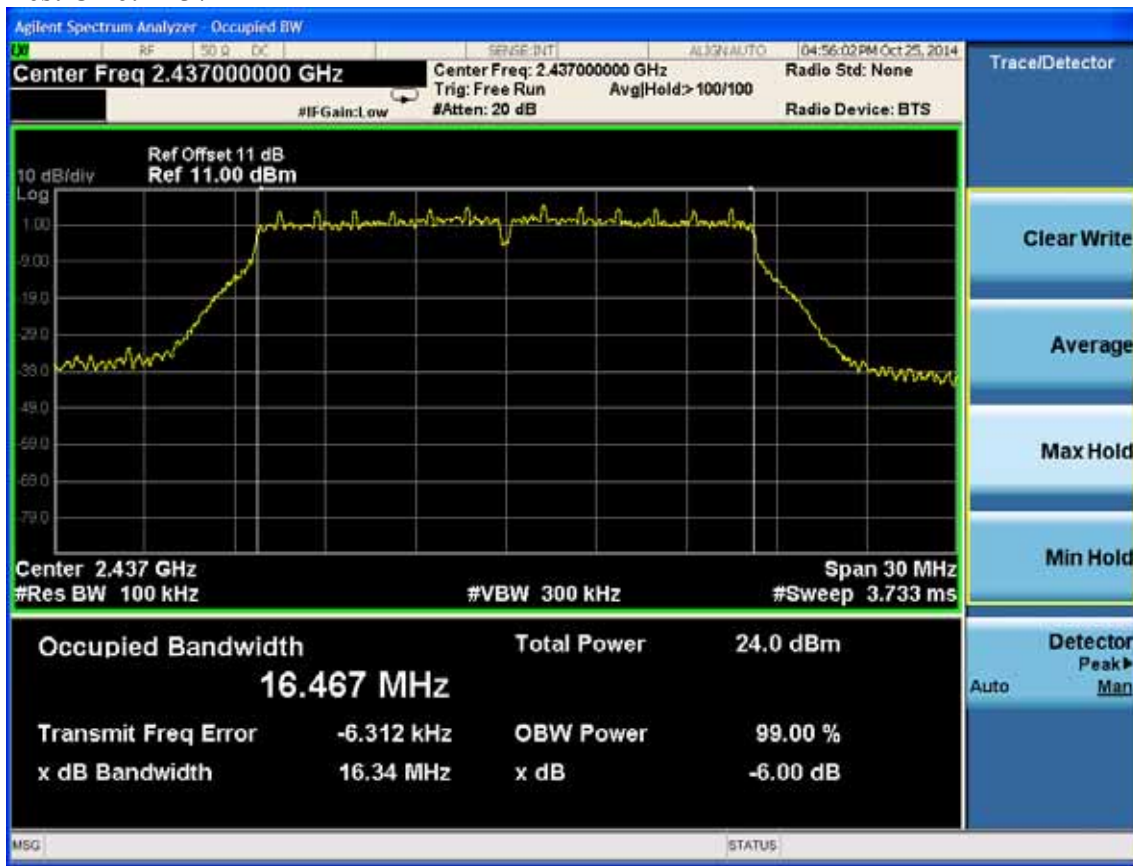


Test Mode: IEEE 802.11g TX

Test CH1: 2412MHz



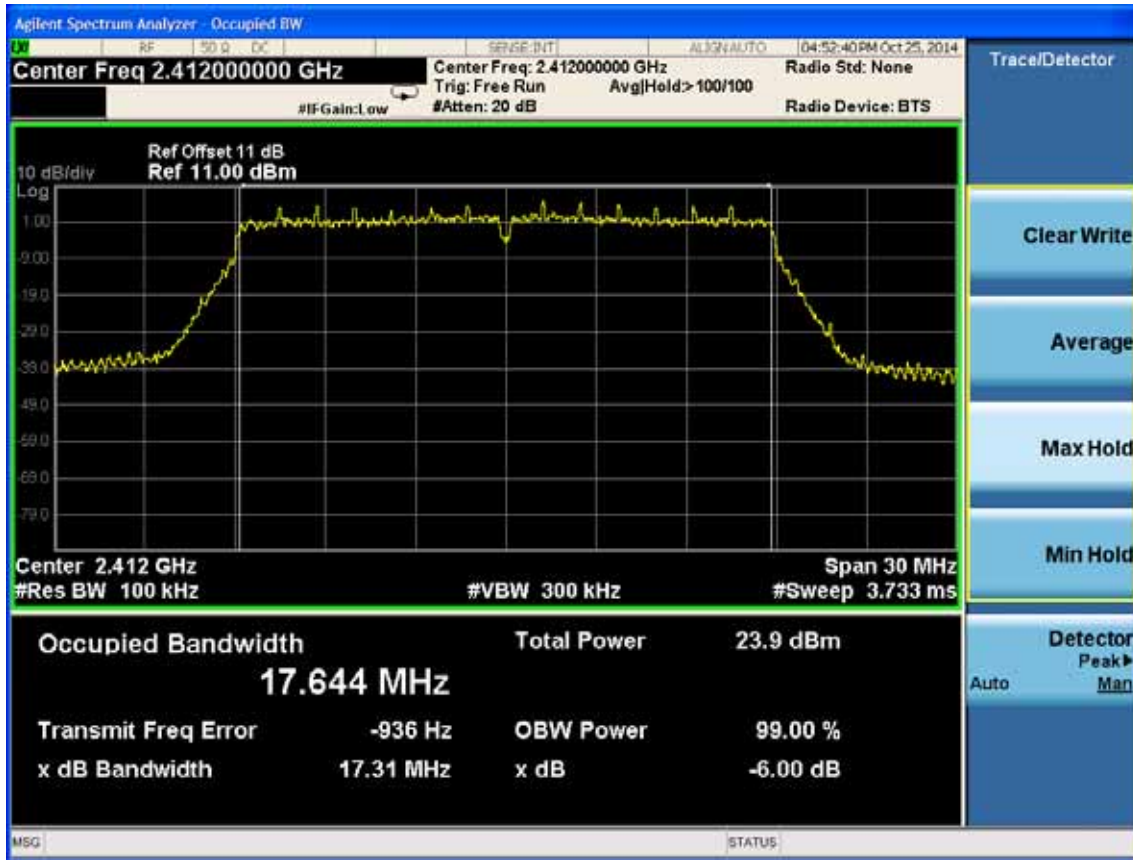
Test CH6: 2437MHz



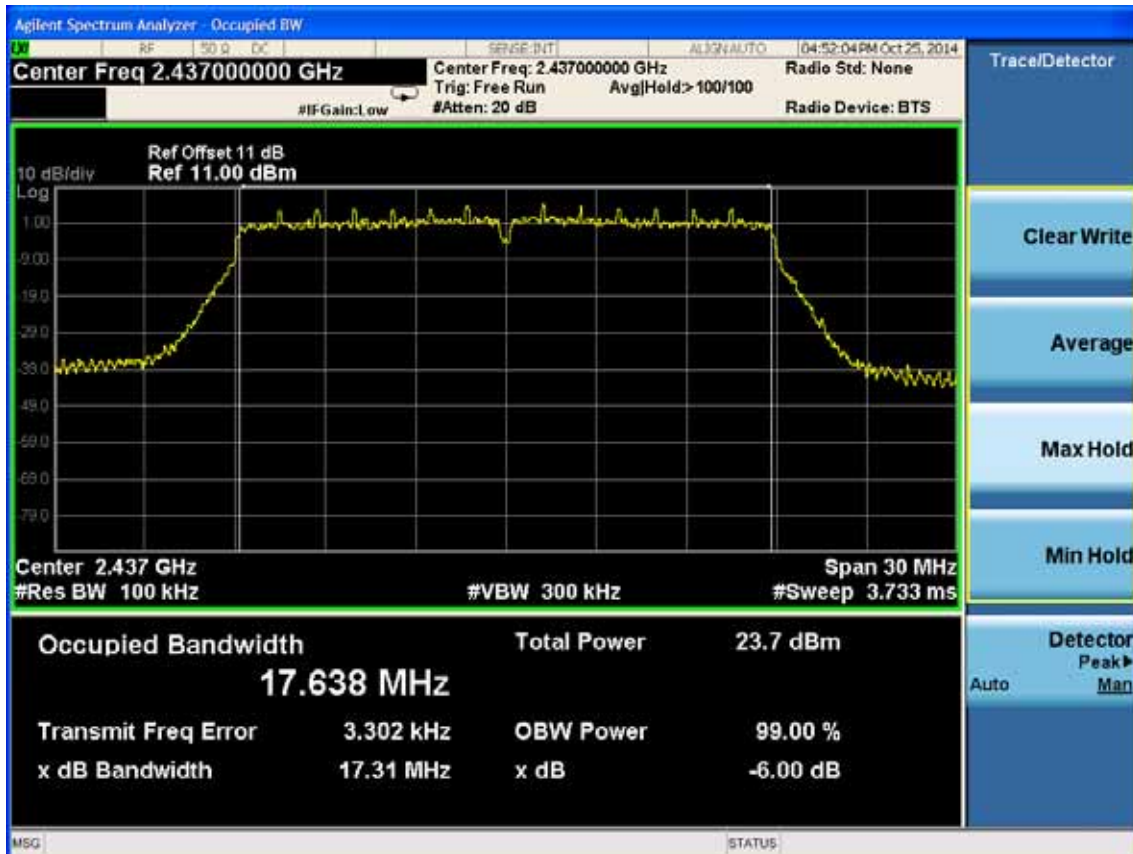
Test CH11: 2462MHz



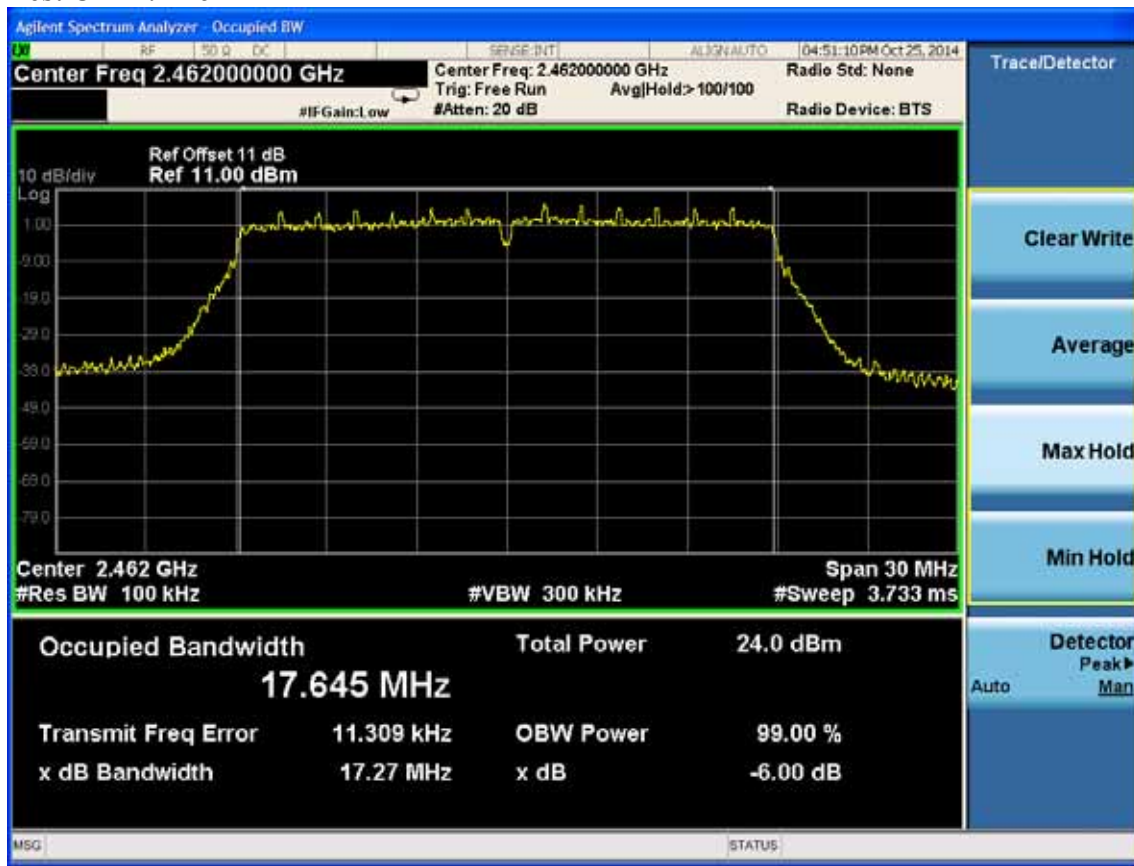
Test Mode: IEEE 802.11n HT20 TX
Test CH1: 2412MHz



Test CH6: 2437MHz

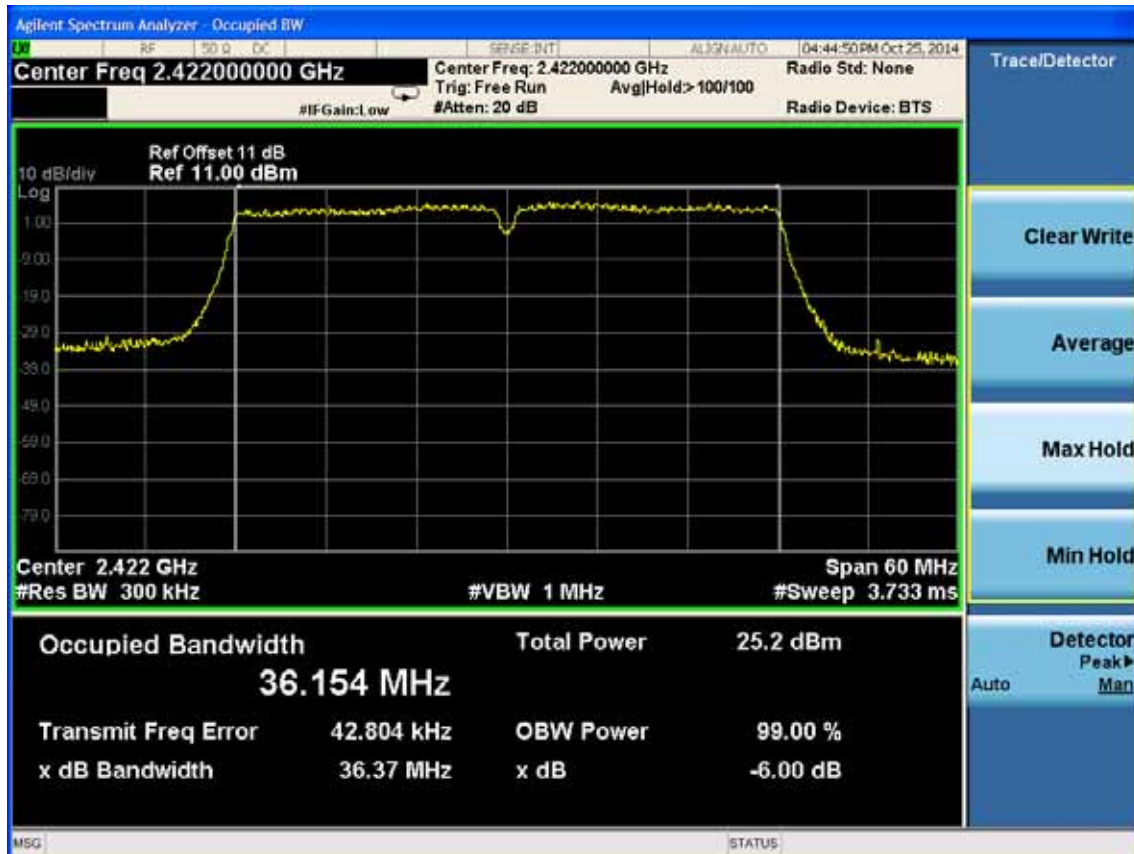


Test CH11: 2462MHz

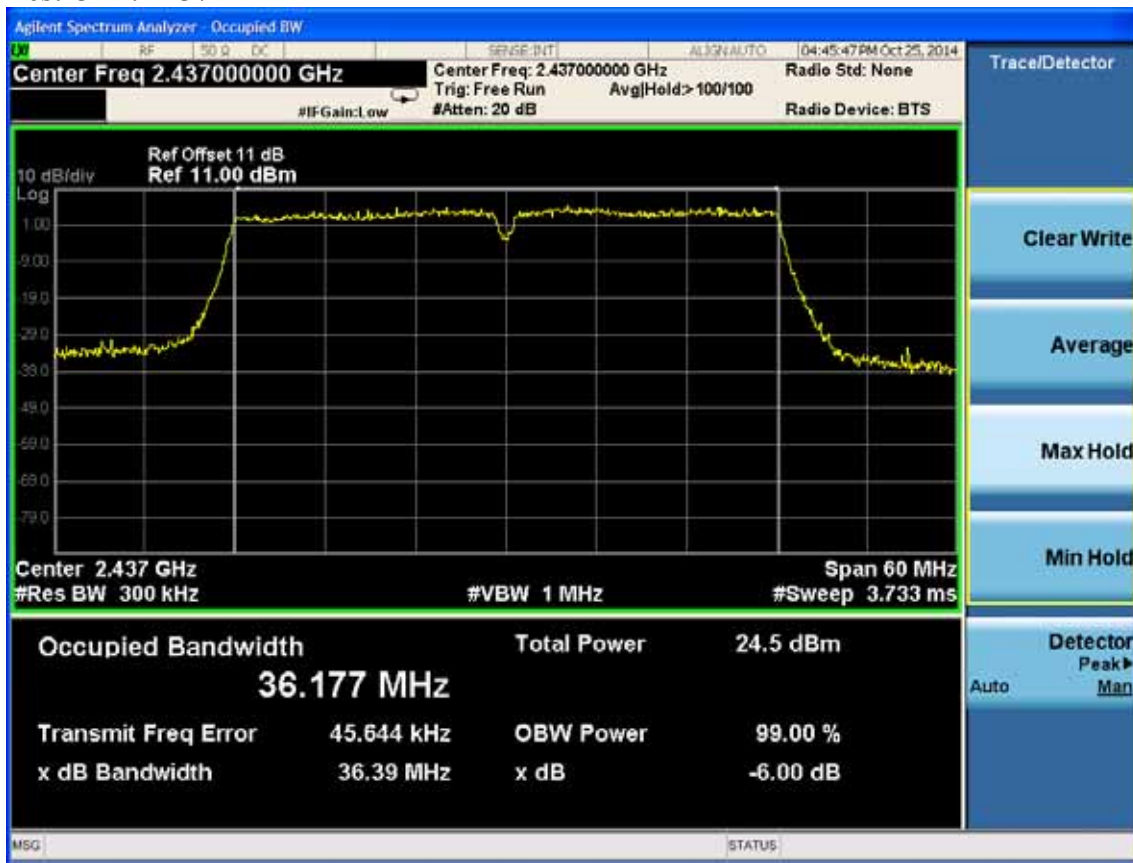


Test Mode: IEEE 802.11n HT40 TX

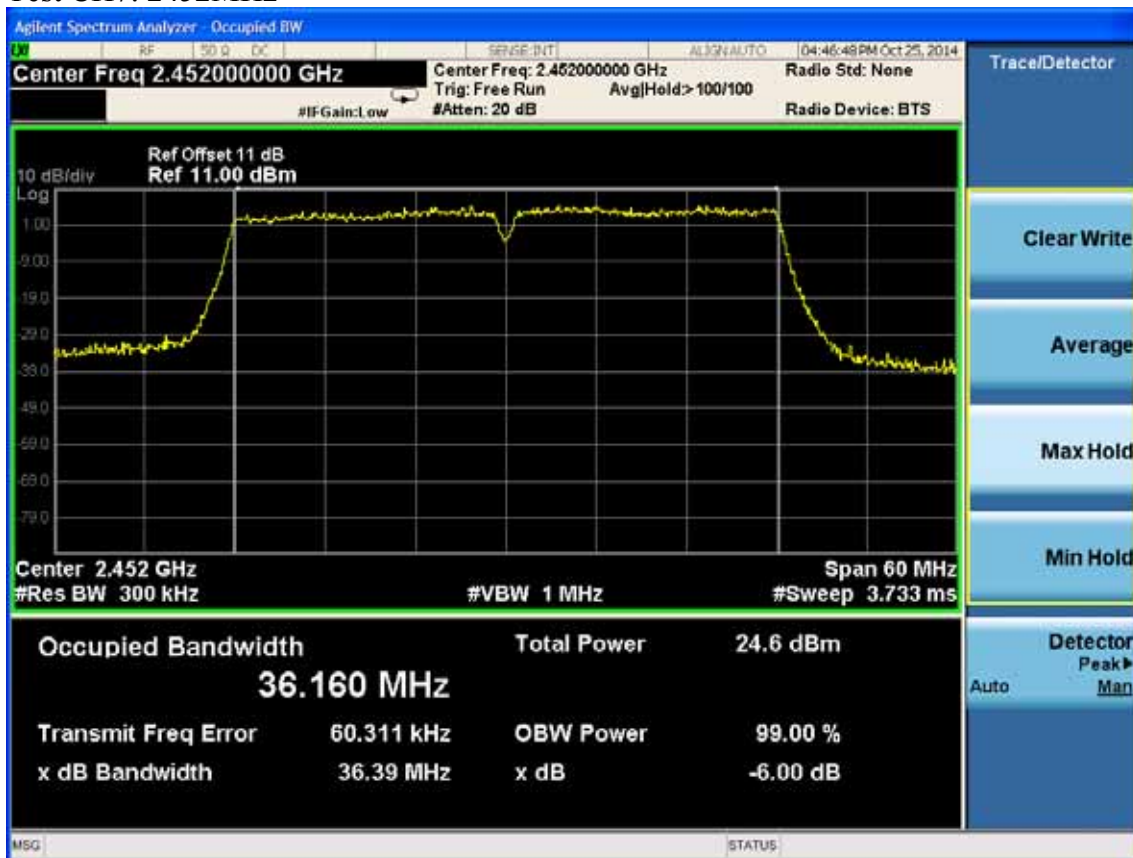
Test CH1: 2422MHz



Test CH4: 2437MHz



Test CH7: 2452MHz



ANT 1:

Test Mode: IEEE 802.11b TX

Test CH1: 2412MHz



Test CH6: 2437MHz

