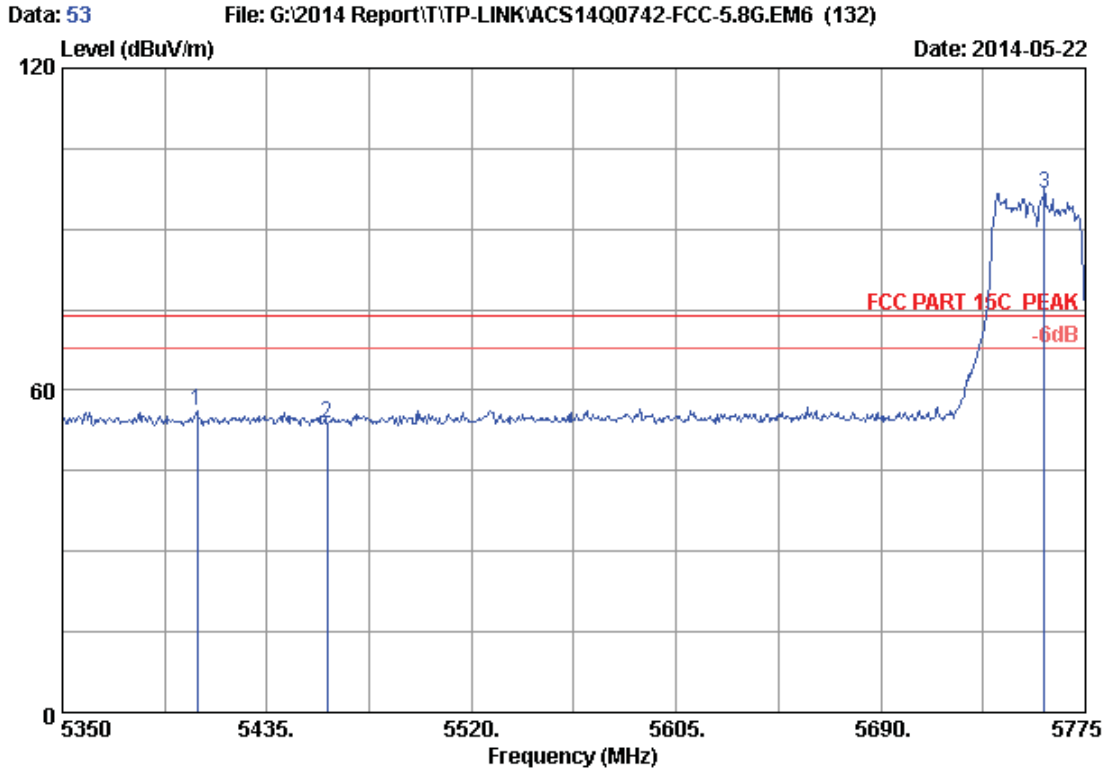


Site no. : 3m Chamber Data no. : 52
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT20 CH165 5825MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5829.400	34.13	9.63	35.70	88.47	96.53	74.00	-22.53	Peak
2	7250.000	36.05	10.99	35.45	49.82	61.41	74.00	12.59	Peak
3	7656.880	36.76	11.20	35.37	52.51	65.10	74.00	8.90	Peak

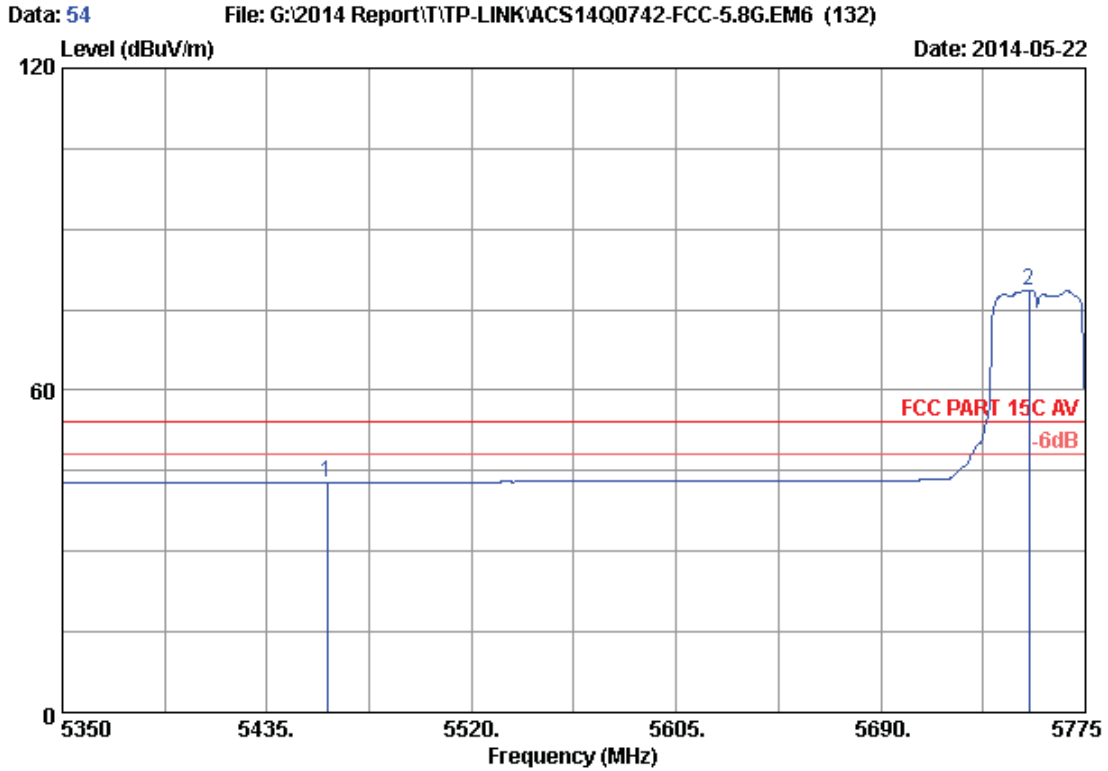
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 53
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 CH151 5755MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5406.100	33.85	9.19	35.70	48.70	56.04	74.00	17.96	Peak
2	5460.000	33.94	9.25	35.70	46.49	53.98	74.00	20.02	Peak
3	5758.000	34.10	9.56	35.70	88.55	96.51	74.00	-22.51	Peak

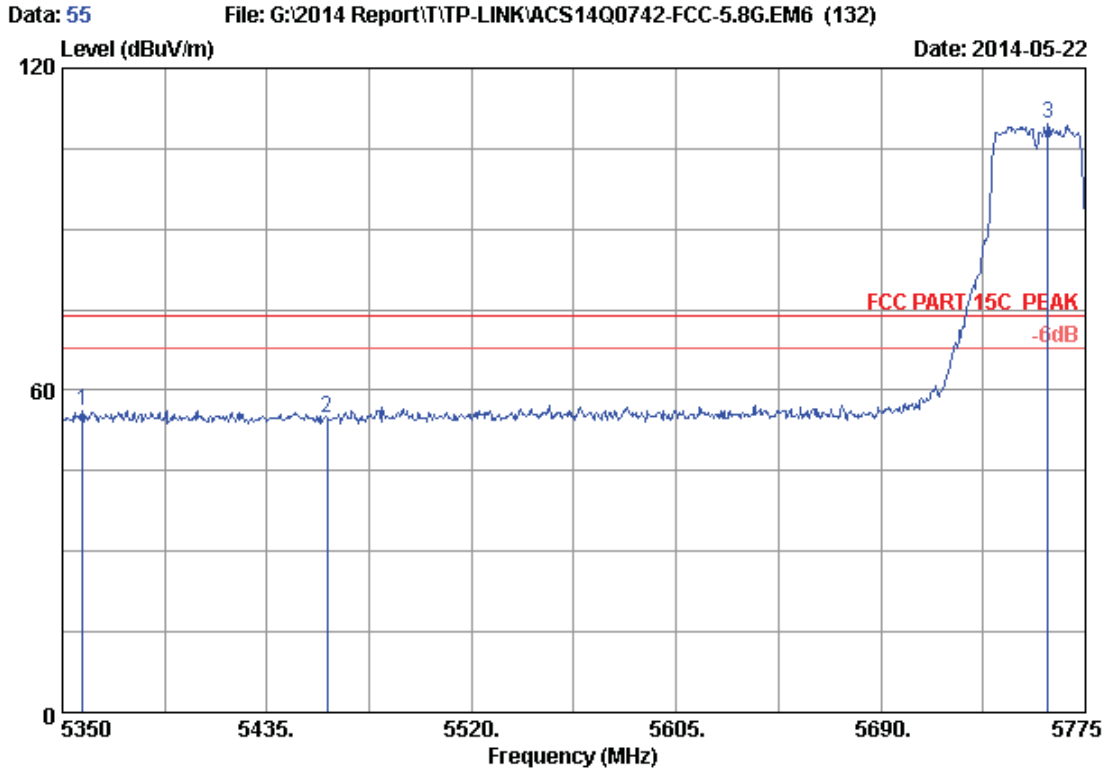
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 54
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 CH151 5755MHz Tx
 M/N : C20i

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	5460.000	33.94	9.25	35.70	35.26	42.75	54.00	11.25	Average
2	5751.625	34.10	9.55	35.70	70.64	78.59	54.00	-24.59	Average

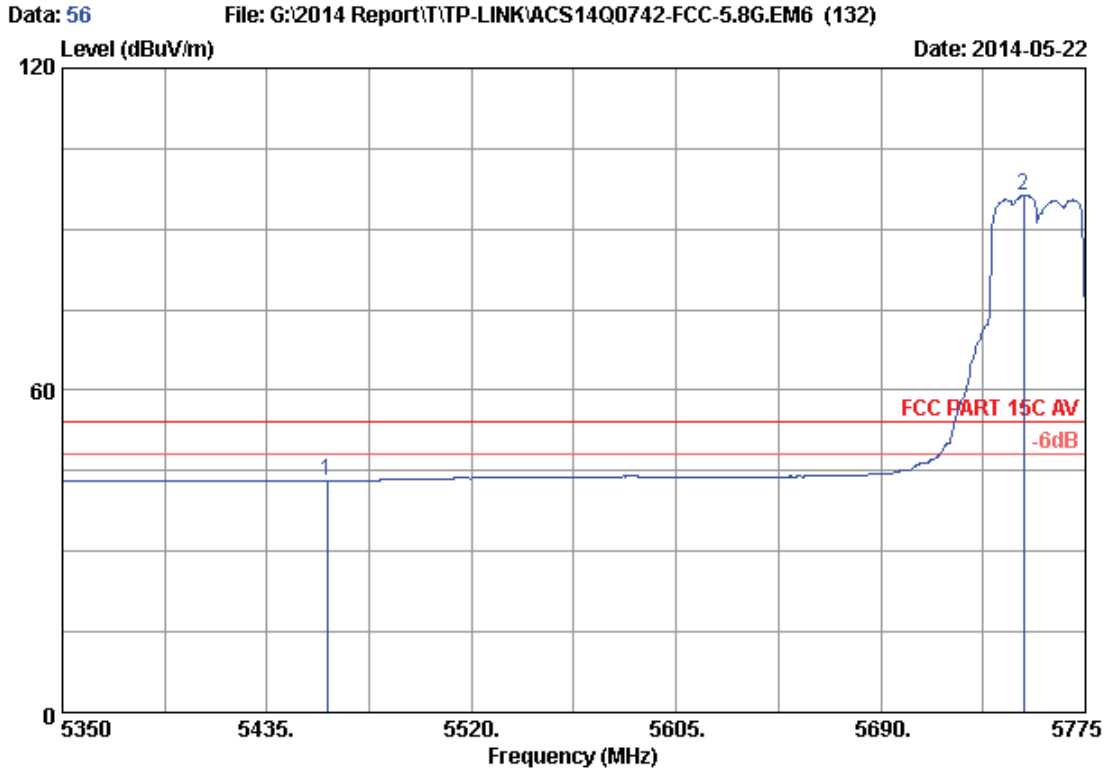
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 55
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 CH151 5755MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5358.500	33.77	9.14	35.70	49.05	56.26	74.00	17.74	Peak
2	5460.000	33.94	9.25	35.70	47.35	54.84	74.00	19.16	Peak
3	5759.275	34.10	9.56	35.70	101.67	109.63	74.00	-35.63	Peak

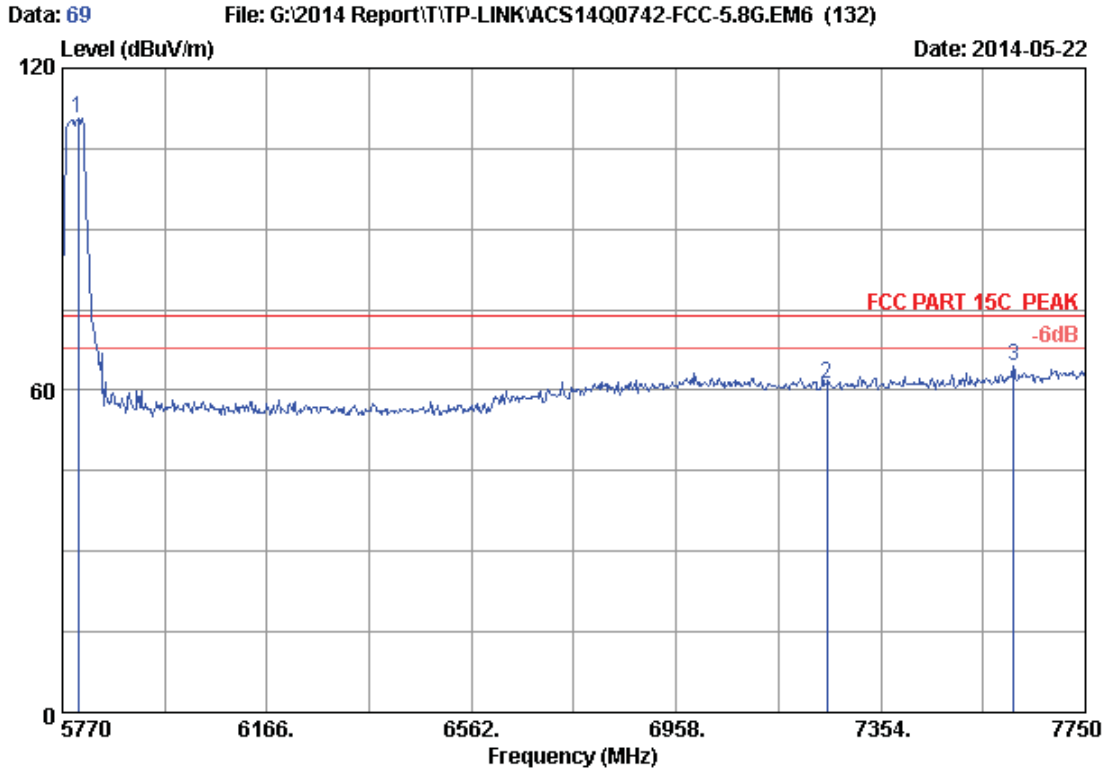
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 56
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 CH151 5755MHz Tx
 M/N : C20i

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	5460.000	33.94	9.25	35.70	35.59	43.08	54.00	10.92	Average
2	5749.500	34.10	9.55	35.70	88.43	96.38	54.00	-42.38	Average

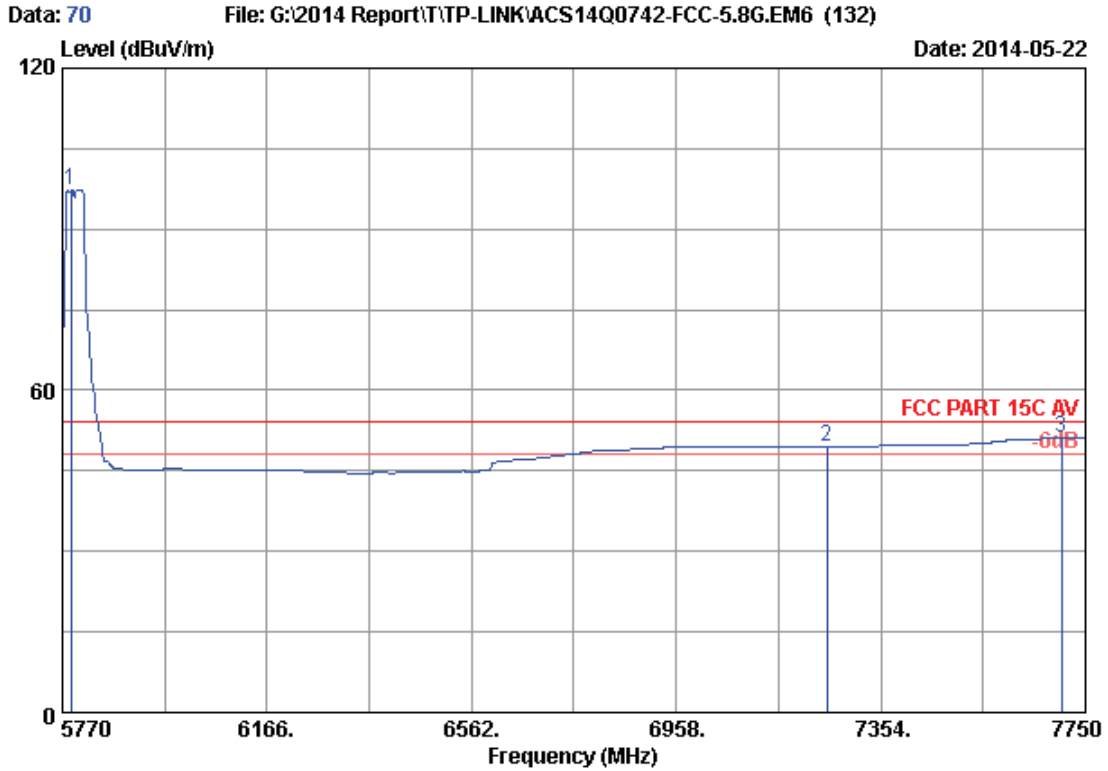
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 69
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 CH159 5795MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5799.700	34.12	9.60	35.70	102.52	110.54	74.00	-36.54	Peak
2	7250.000	36.05	10.99	35.45	49.51	61.10	74.00	12.90	Peak
3	7611.400	36.71	11.18	35.38	52.03	64.54	74.00	9.46	Peak

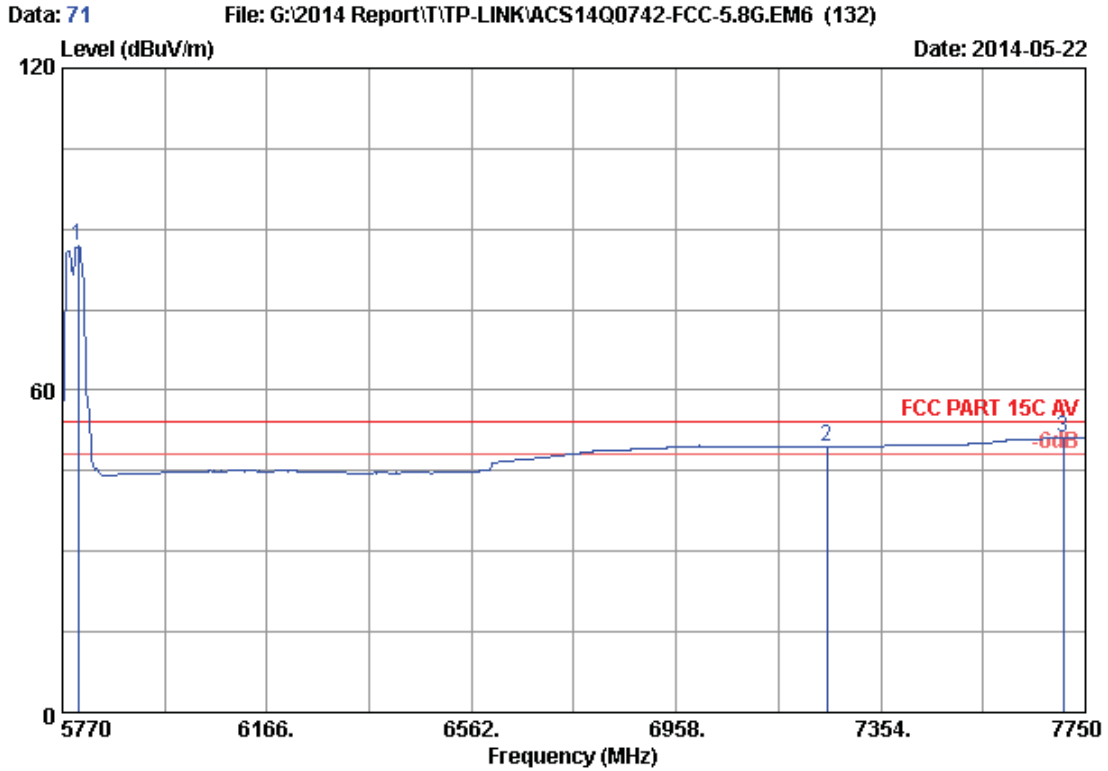
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 70
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 CH159 5795MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5785.840	34.11	9.59	35.70	89.39	97.39	54.00	-43.39	Average
2	7250.000	36.05	10.99	35.45	37.87	49.46	54.00	4.54	Average
3	7704.460	36.80	11.23	35.36	38.55	51.22	54.00	2.78	Average

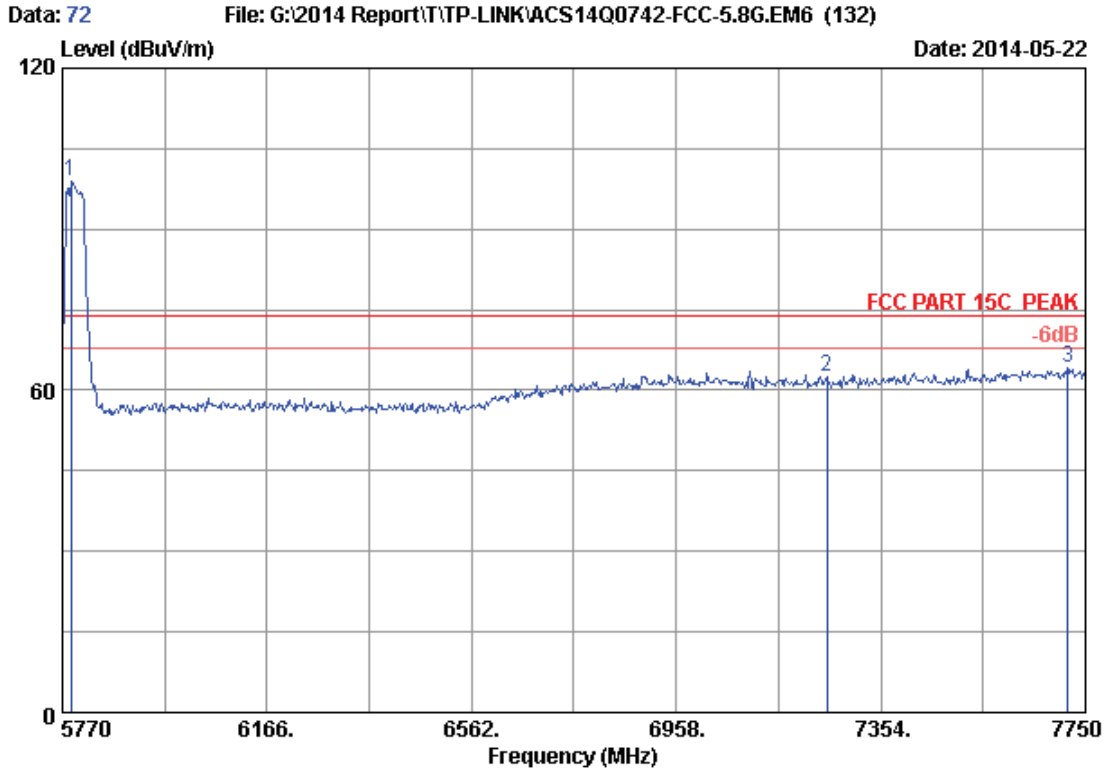
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 71
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 CH159 5795MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5799.700	34.12	9.60	35.70	78.78	86.80	54.00	-32.80	Average
2	7250.000	36.05	10.99	35.45	37.90	49.49	54.00	4.51	Average
3	7706.440	36.81	11.23	35.36	38.52	51.20	54.00	2.80	Average

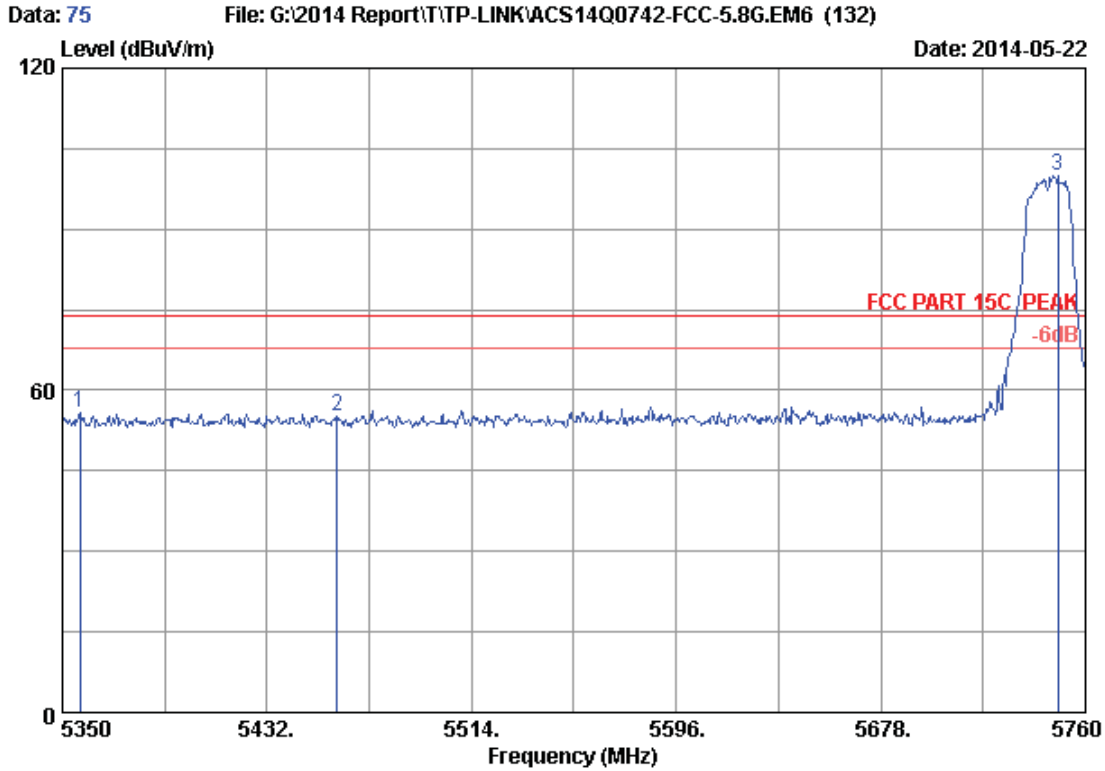
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 72
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11nHT40 CH159 5795MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5785.840	34.11	9.59	35.70	90.79	98.79	74.00	-24.79	Peak
2	7250.000	36.05	10.99	35.45	50.79	62.38	74.00	11.62	Peak
3	7716.340	36.82	11.23	35.36	51.41	64.10	74.00	9.90	Peak

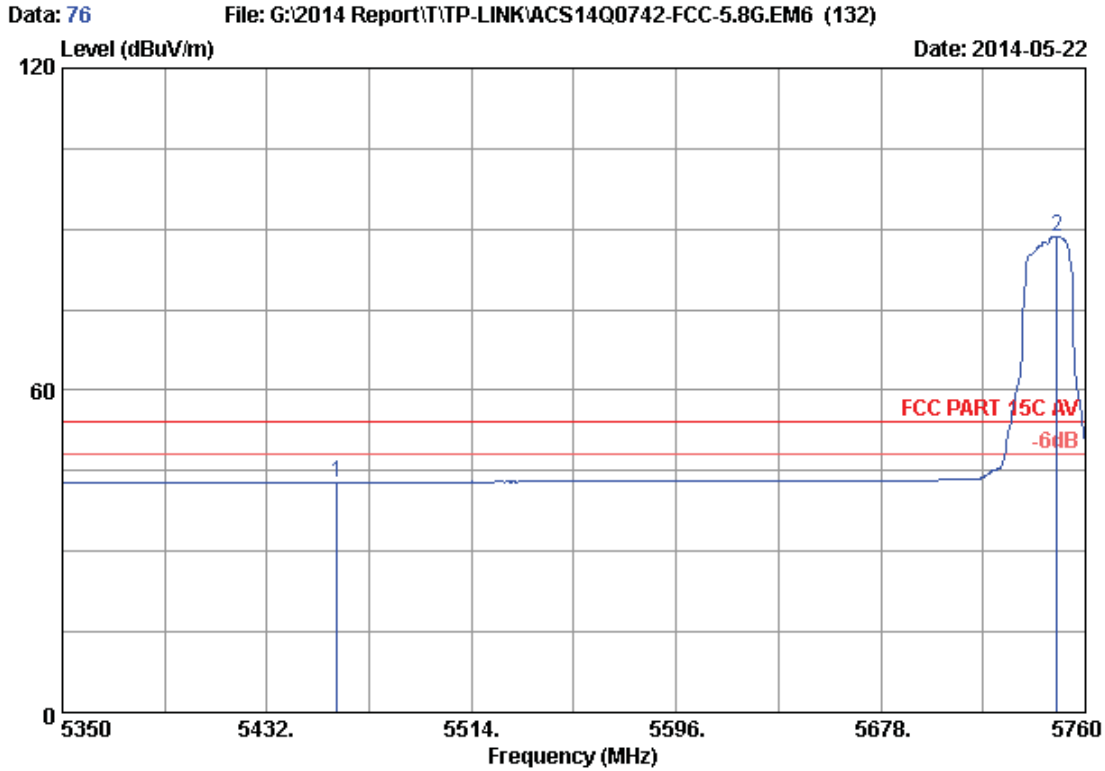
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 75
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT20 CH149 5745MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5356.970	33.77	9.14	35.70	48.59	55.80	74.00	18.20	Peak
2	5460.000	33.94	9.25	35.70	47.83	55.32	74.00	18.68	Peak
3	5748.930	34.10	9.55	35.70	92.13	100.08	74.00	-26.08	Peak

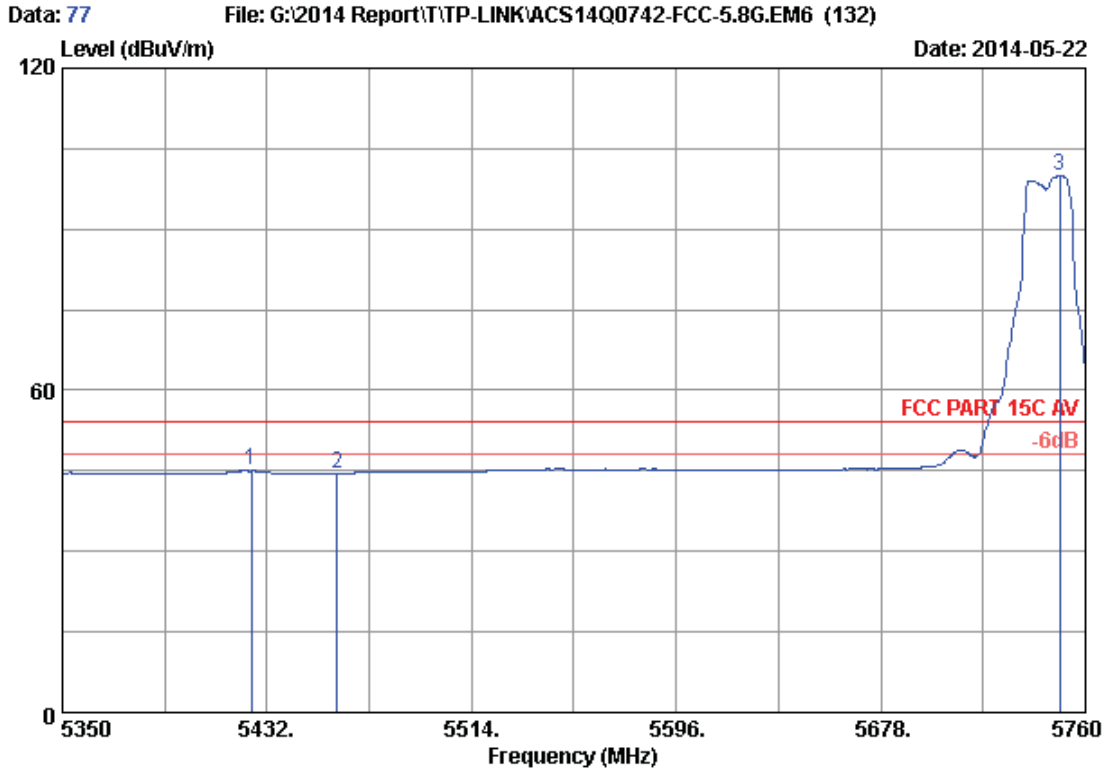
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 76
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24*C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT20 CH149 5745MHz Tx
 M/N : C20i

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	5460.000	33.94	9.25	35.70	35.22	42.71	54.00	11.29	Average
2	5748.520	34.10	9.55	35.70	80.69	88.64	54.00	-34.64	Average

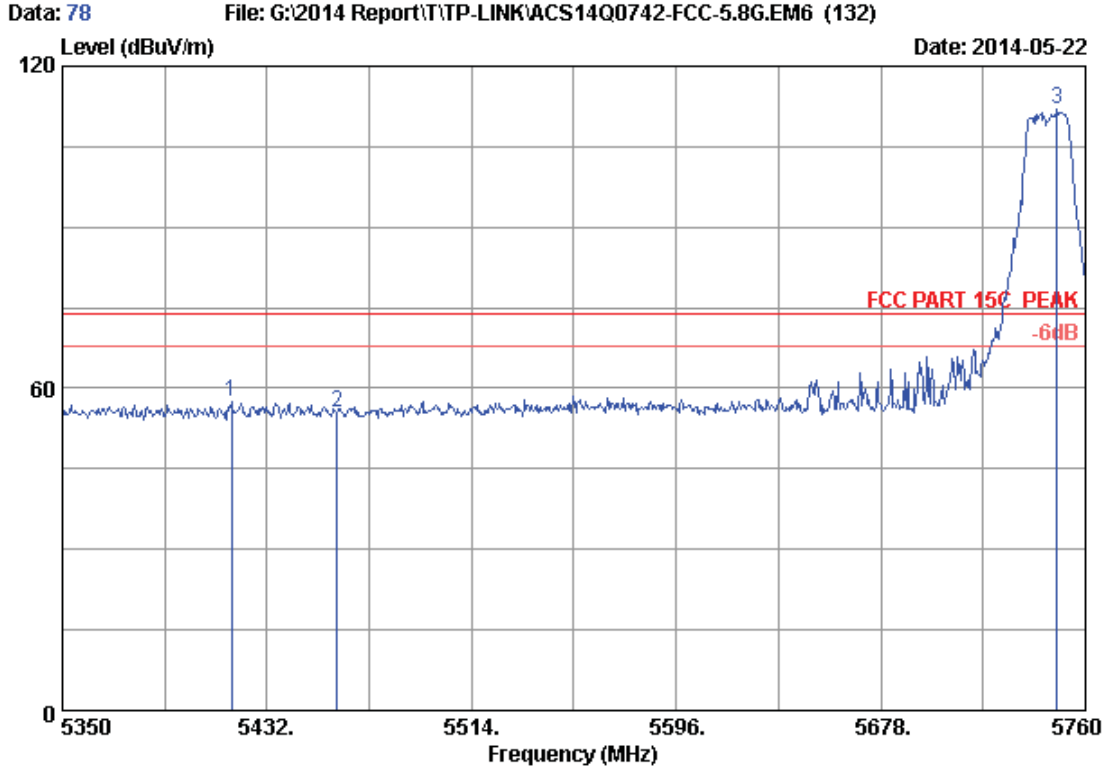
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 77
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24*C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT20 CH149 5745MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5425.850	33.88	9.21	35.70	37.61	45.00	54.00	9.00	Average
2	5460.000	33.94	9.25	35.70	37.06	44.55	54.00	9.45	Average
3	5749.750	34.10	9.55	35.70	92.01	99.96	54.00	-45.96	Average

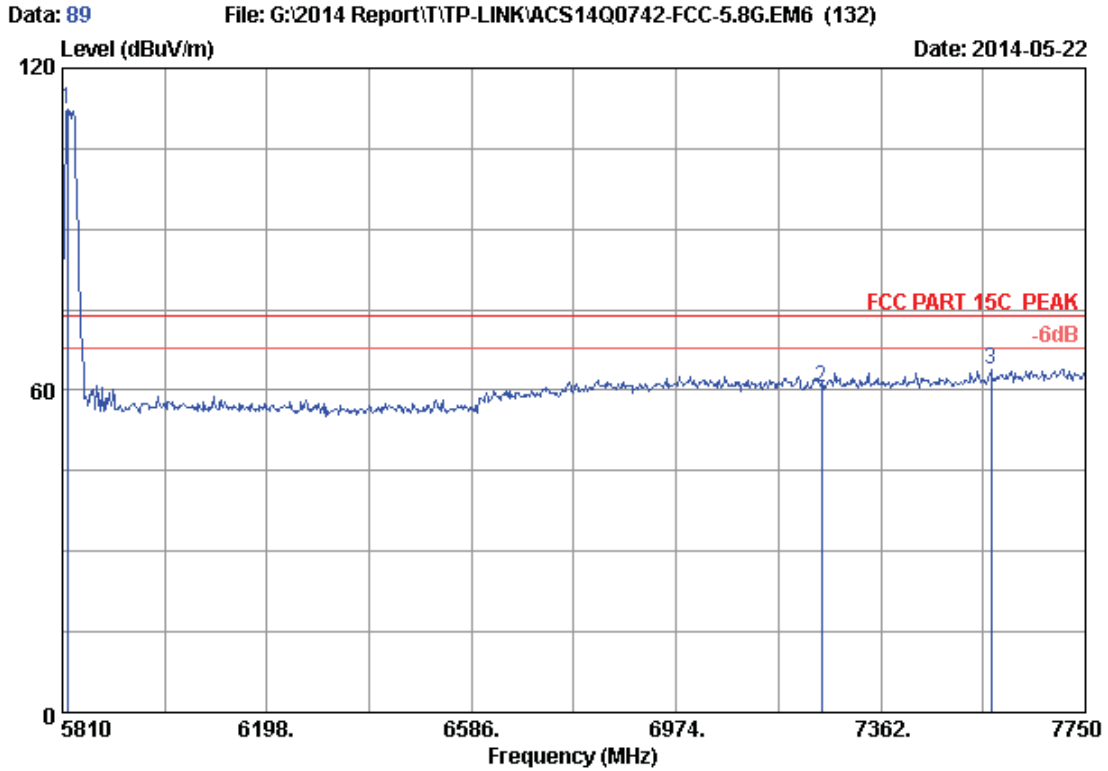
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 78
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT20 CH149 5745MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Cable AMP			Emission				
		Factor (dB/m)	Loss (dB)	factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5417.650	33.87	9.20	35.70	49.97	57.34	74.00	16.66	Peak
2	5460.000	33.94	9.25	35.70	48.12	55.61	74.00	18.39	Peak
3	5748.520	34.10	9.55	35.70	104.14	112.09	74.00	-38.09	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. : 89
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT20 CH165 5825MHz Tx
 M/N : C20i

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	5819.700	34.13	9.62	35.70	104.27	112.32	74.00	-38.32	Peak
2	7250.000	36.05	10.99	35.45	48.87	60.46	74.00	13.54	Peak
3	7571.520	36.67	11.16	35.39	51.42	63.86	74.00	10.14	Peak

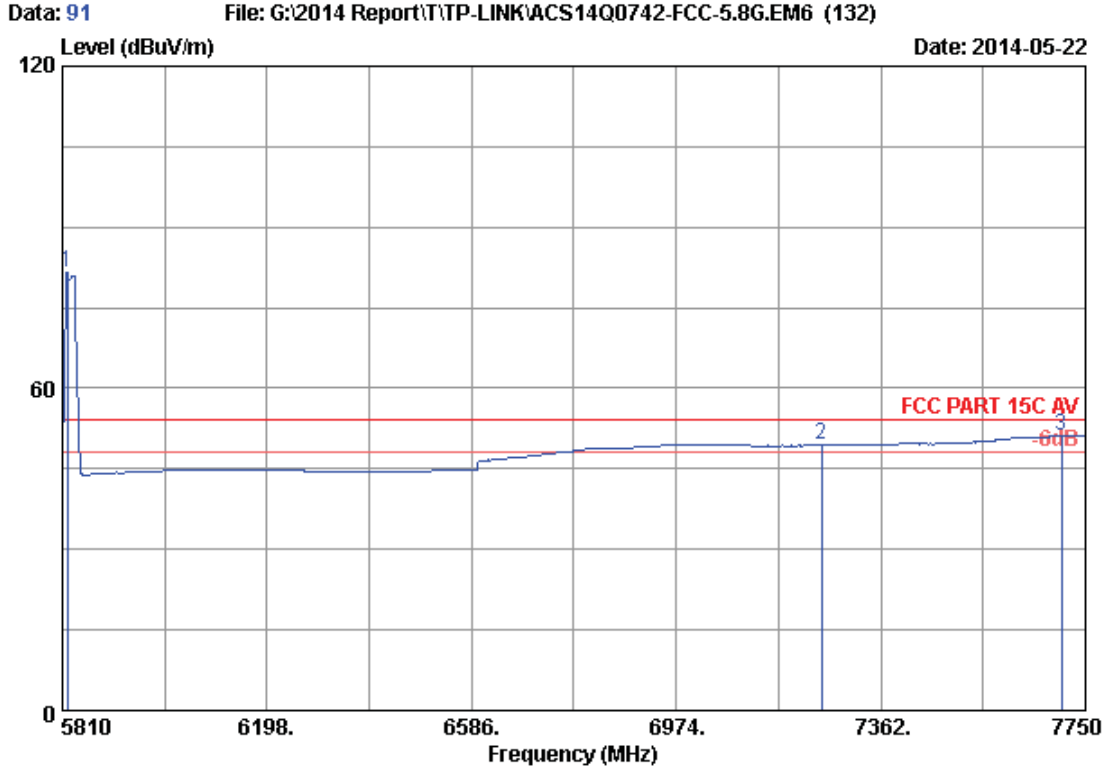
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 90
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT20 CH165 5825MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5833.280	34.13	9.64	35.70	92.30	100.37	54.00	-46.37	Average
2	7250.000	36.05	10.99	35.45	37.79	49.38	54.00	4.62	Average
3	7705.380	36.81	11.23	35.36	38.46	51.14	54.00	2.86	Average

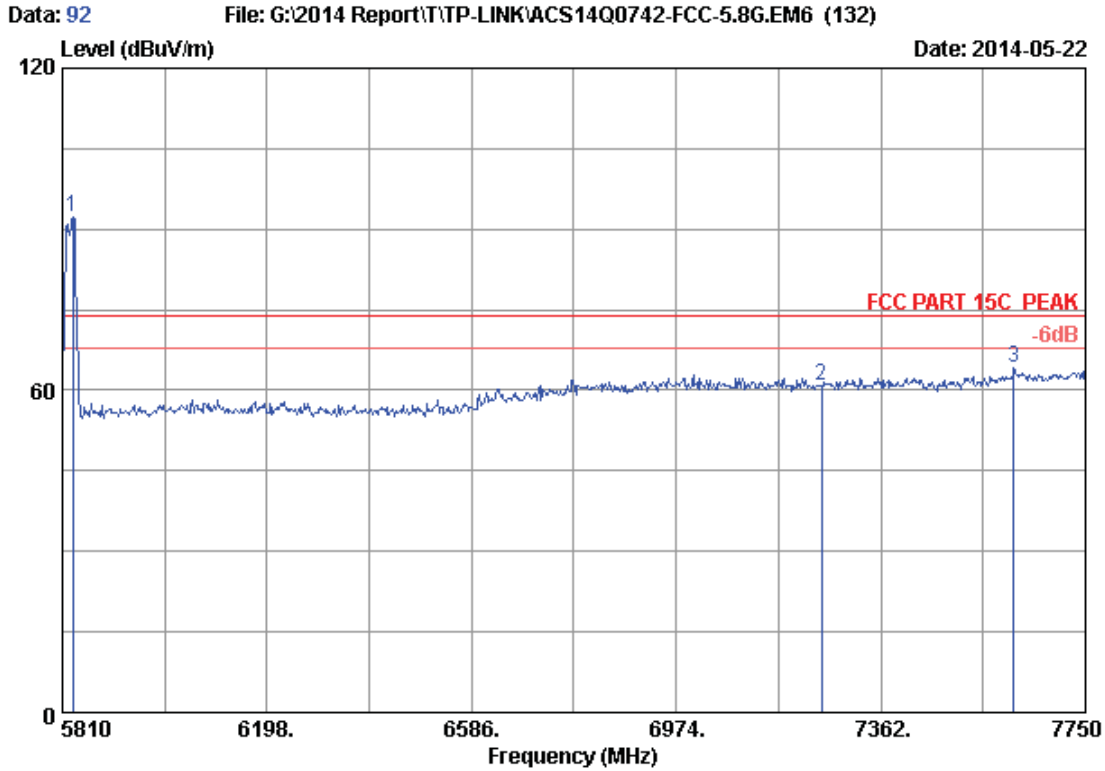
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 91
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT20 CH165 5825MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5819.700	34.13	9.62	35.70	73.47	81.52	54.00	-27.52	Average
2	7250.000	36.05	10.99	35.45	37.79	49.38	54.00	4.62	Average
3	7705.380	36.81	11.23	35.36	38.46	51.14	54.00	2.86	Average

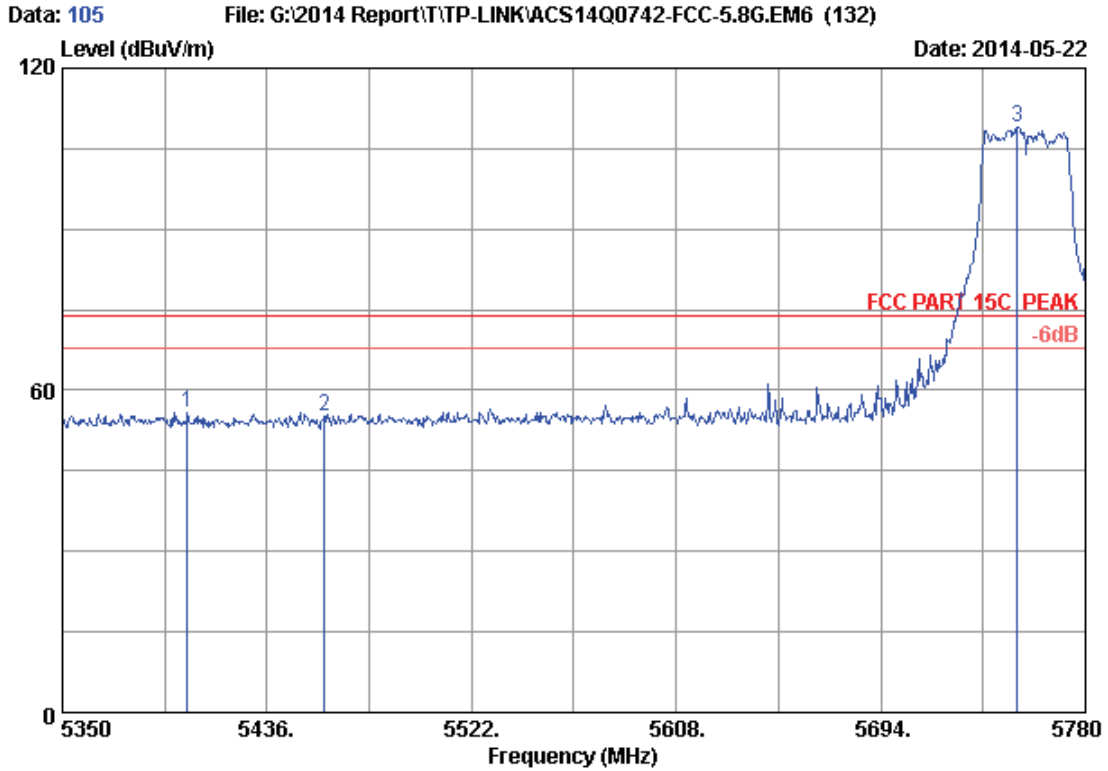
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 92
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT20 CH165 5825MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5829.400	34.13	9.63	35.70	84.36	92.42	74.00	-18.42	Peak
2	7250.000	36.05	10.99	35.45	49.30	60.89	74.00	13.11	Peak
3	7614.200	36.71	11.18	35.38	51.71	64.22	74.00	9.78	Peak

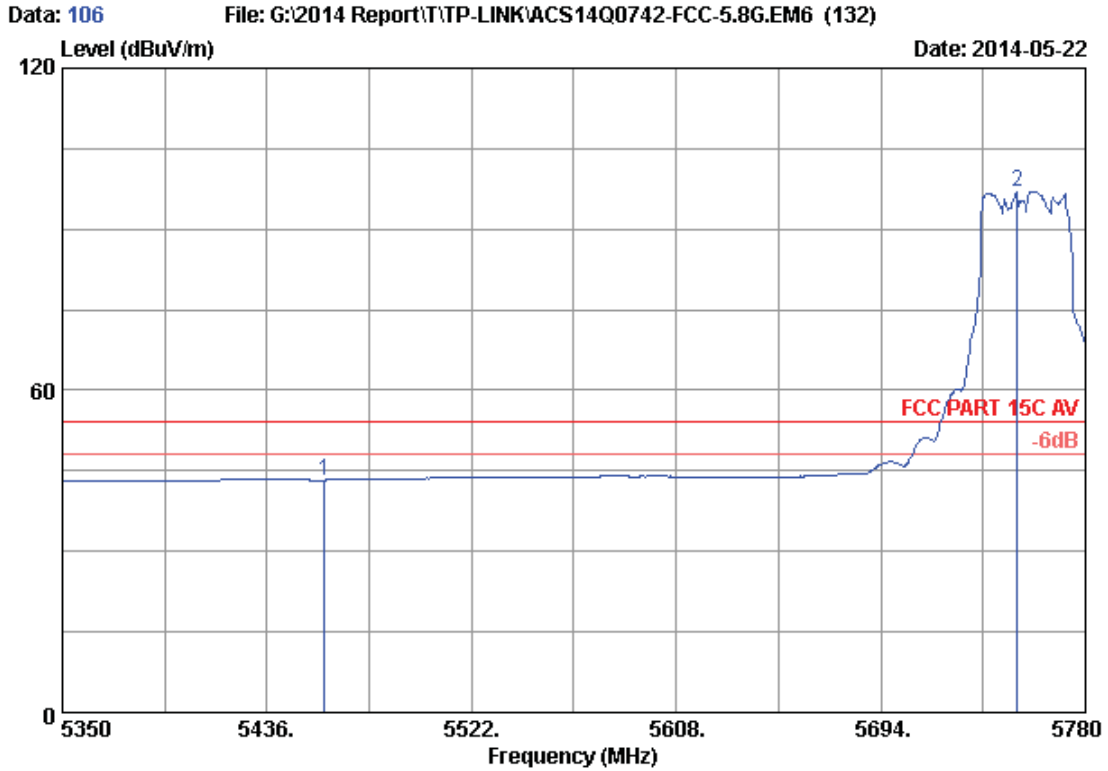
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 105
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT40 CH151 5755MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5402.460	33.84	9.19	35.70	48.39	55.72	74.00	18.28	Peak
2	5460.000	33.94	9.25	35.70	47.62	55.11	74.00	18.89	Peak
3	5751.190	34.10	9.55	35.70	101.02	108.97	74.00	-34.97	Peak

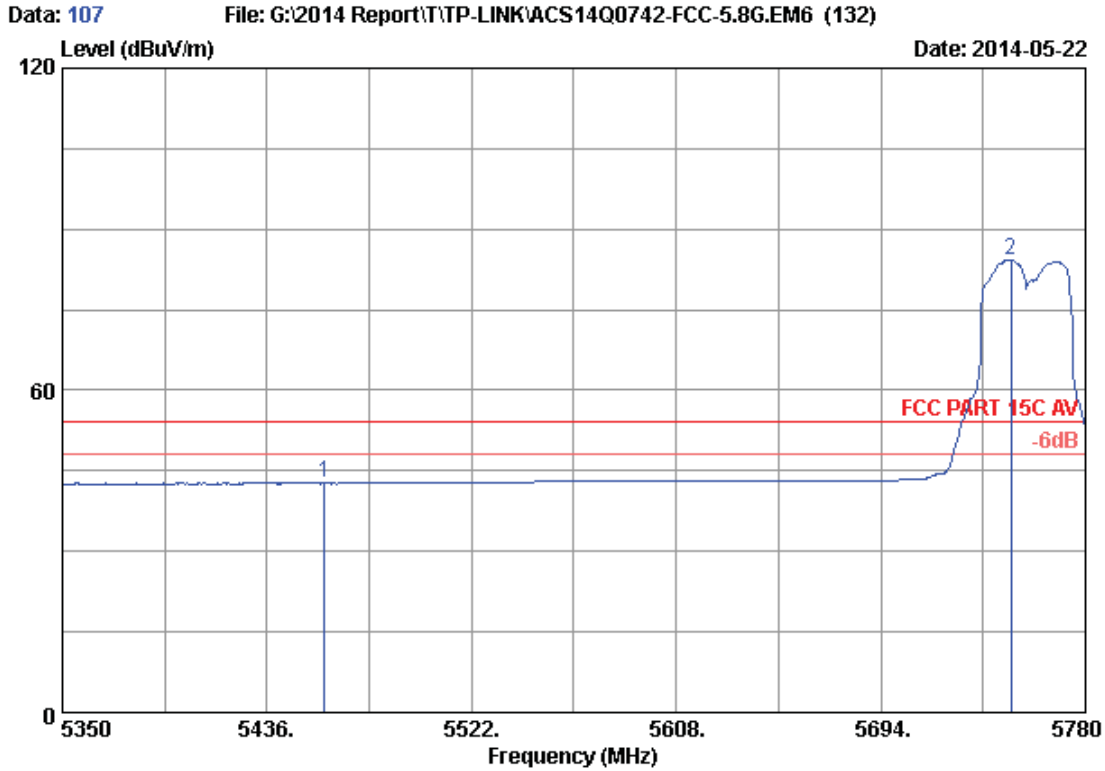
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 106
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24*C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT40 CH151 5755MHz Tx
 M/N : C20i

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	5460.000	33.94	9.25	35.70	35.79	43.28	54.00	10.72	Average
2	5751.190	34.10	9.55	35.70	89.05	97.00	54.00	-43.00	Average

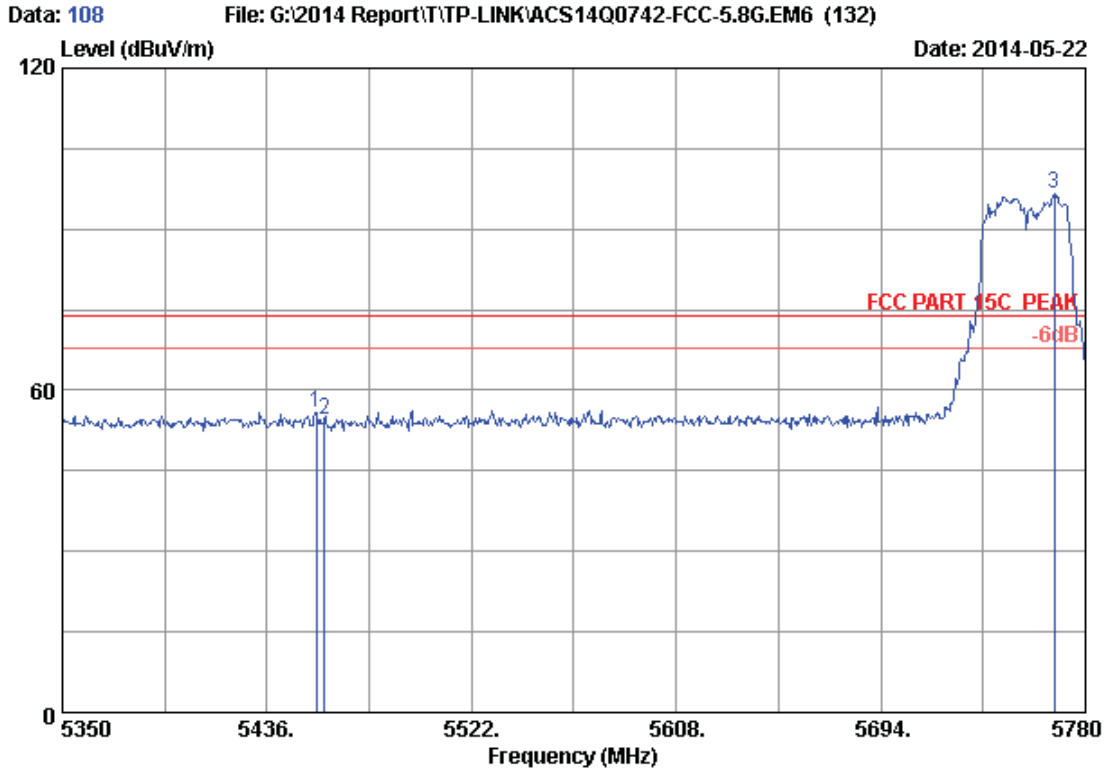
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 107
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24*C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT40 CH151 5755MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5460.000	33.94	9.25	35.70	35.15	42.64	54.00	11.36	Average
2	5748.610	34.10	9.55	35.70	76.42	84.37	54.00	-30.37	Average

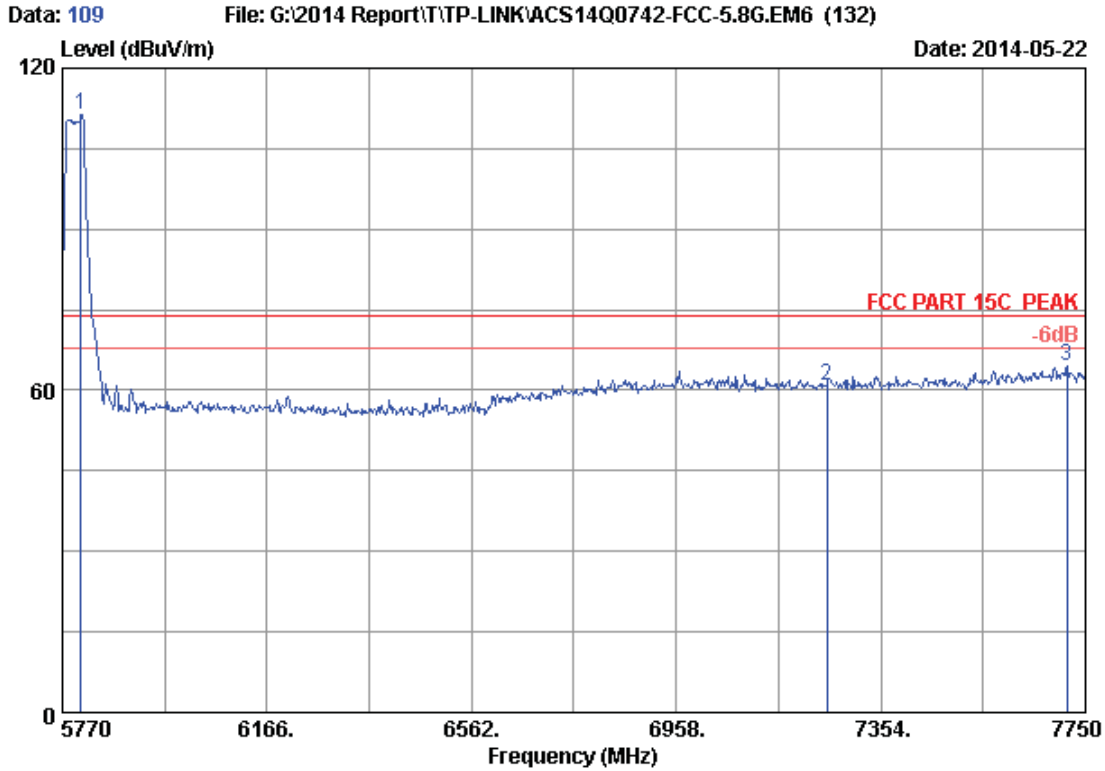
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 108
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT40 CH151 5755MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5456.640	33.93	9.24	35.70	48.49	55.96	74.00	18.04	Peak
2	5460.000	33.94	9.25	35.70	46.84	54.33	74.00	19.67	Peak
3	5767.100	34.11	9.57	35.70	88.60	96.58	74.00	-22.58	Peak

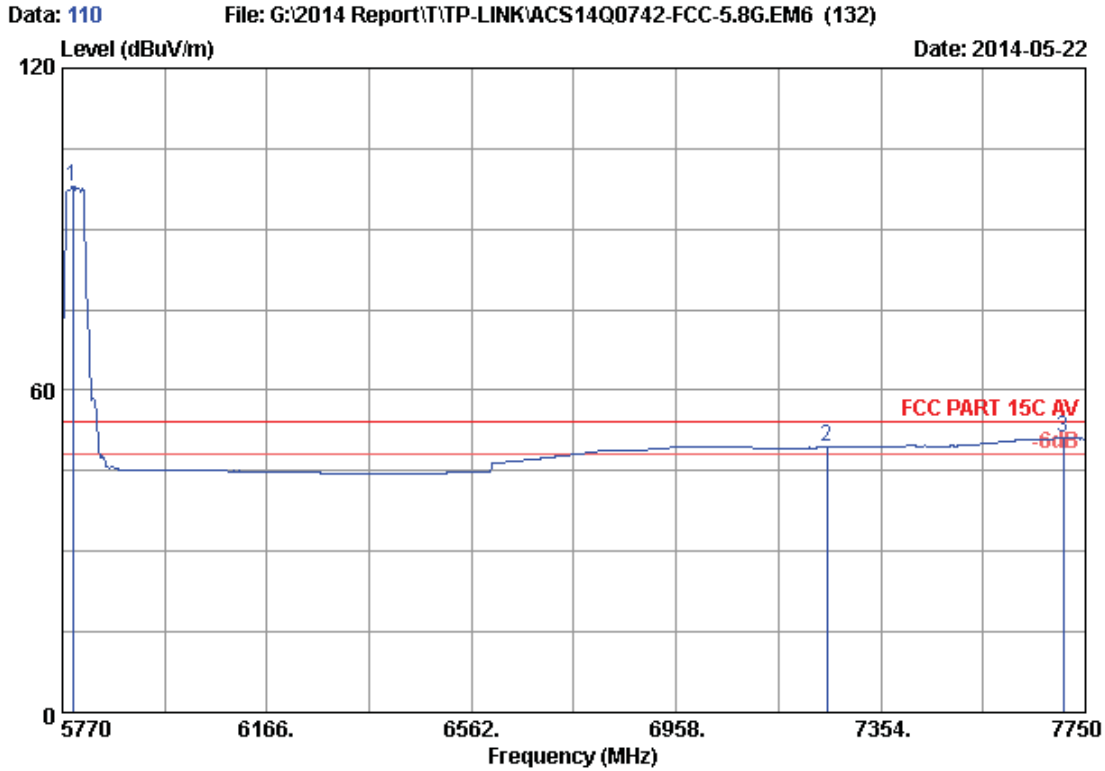
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 109
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT40 CH159 5795MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5805.640	34.12	9.61	35.70	103.36	111.39	74.00	-37.39	Peak
2	7250.000	36.05	10.99	35.45	49.25	60.84	74.00	13.16	Peak
3	7714.360	36.81	11.23	35.36	51.86	64.54	74.00	9.46	Peak

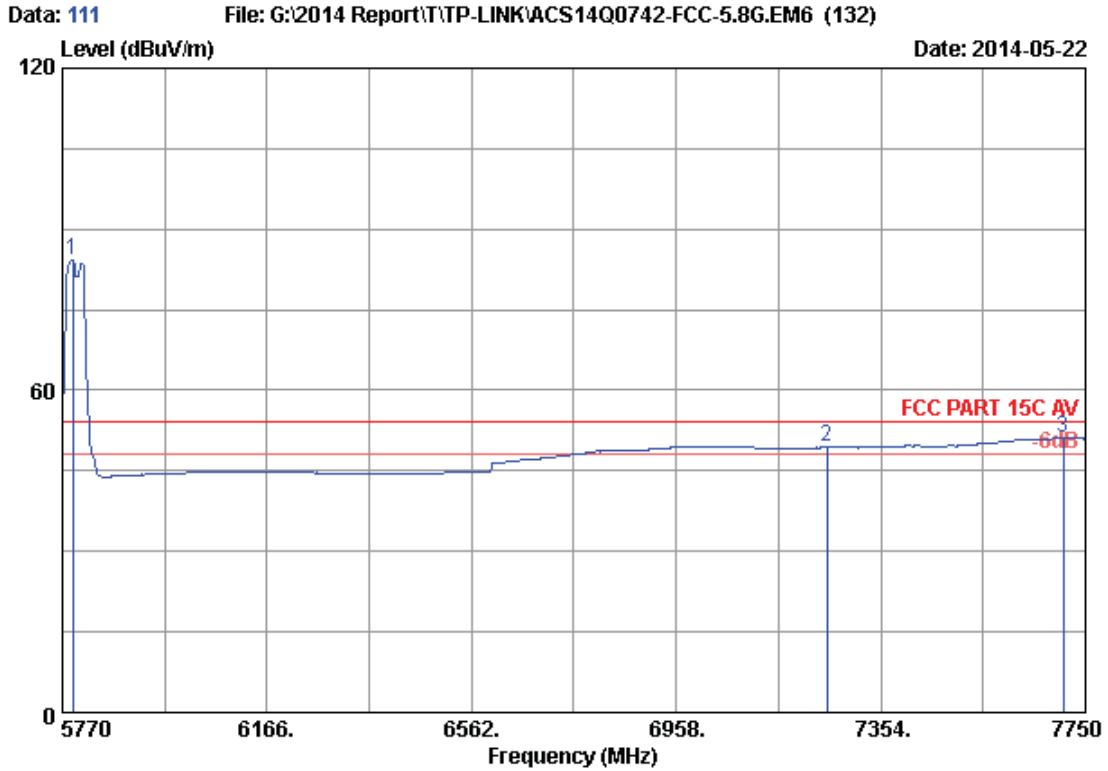
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 110
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT40 CH159 5795MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5789.800	34.12	9.59	35.70	90.07	98.08	54.00	-44.08	Average
2	7250.000	36.05	10.99	35.45	37.75	49.34	54.00	4.66	Average
3	7706.440	36.81	11.23	35.36	38.43	51.11	54.00	2.89	Average

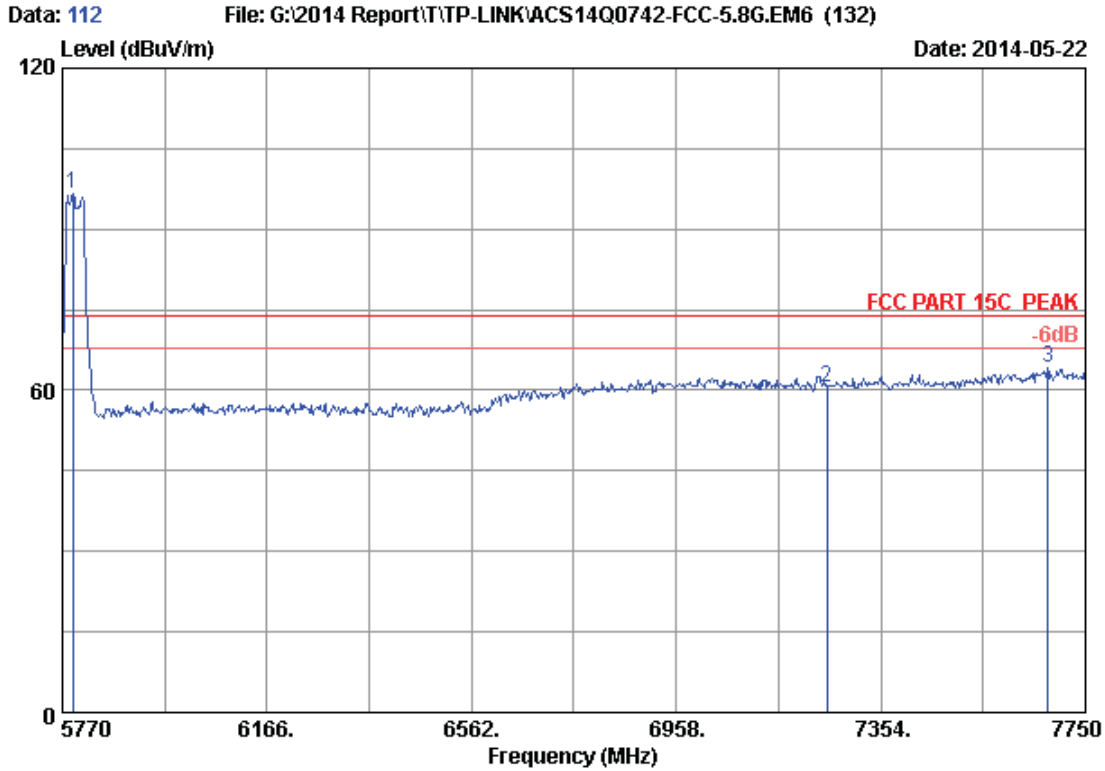
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 111
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT40 CH159 5795MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5789.800	34.12	9.59	35.70	76.28	84.29	54.00	-30.29	Average
2	7250.000	36.05	10.99	35.45	37.75	49.34	54.00	4.66	Average
3	7706.440	36.81	11.23	35.36	38.42	51.10	54.00	2.90	Average

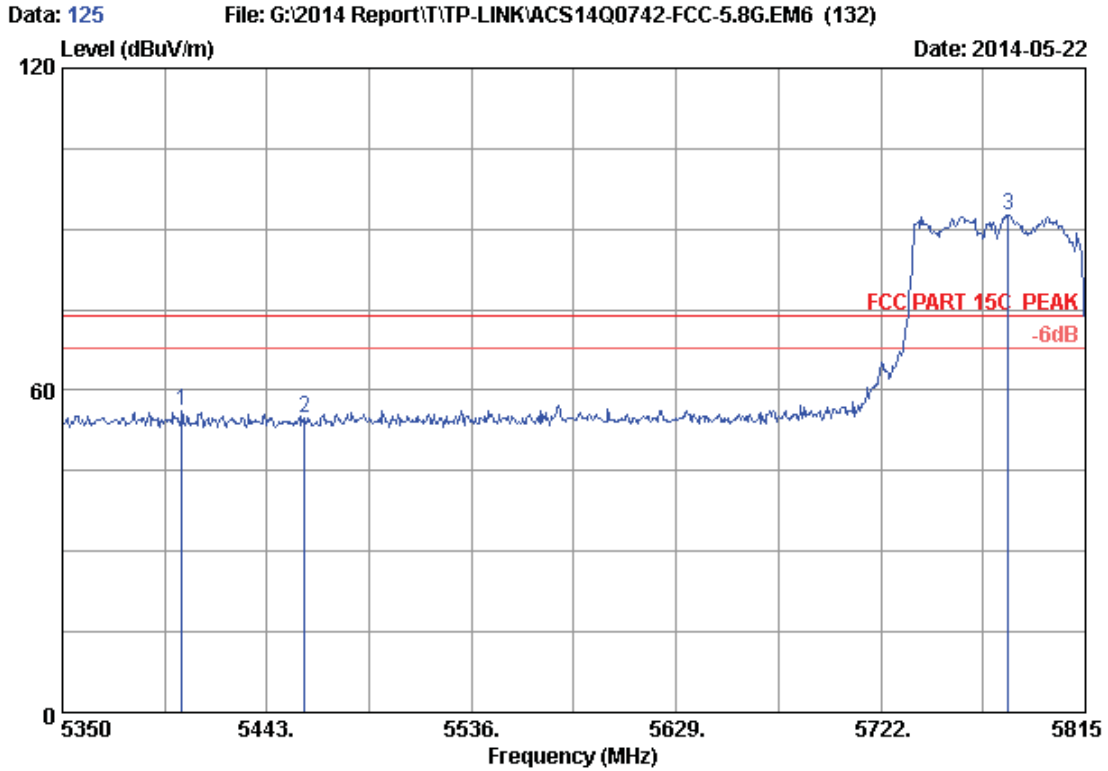
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 112
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT40 CH159 5795MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5789.800	34.12	9.59	35.70	88.49	96.50	74.00	-22.50	Peak
2	7250.000	36.05	10.99	35.45	49.05	60.64	74.00	13.36	Peak
3	7676.740	36.78	11.21	35.36	51.68	64.31	74.00	9.69	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. : 125
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT80 CH155 5775MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5404.405	33.85	9.19	35.70	48.67	56.01	74.00	17.99	Peak
2	5460.000	33.94	9.25	35.70	47.39	54.88	74.00	19.12	Peak
3	5780.125	34.11	9.58	35.70	84.59	92.58	74.00	-18.58	Peak

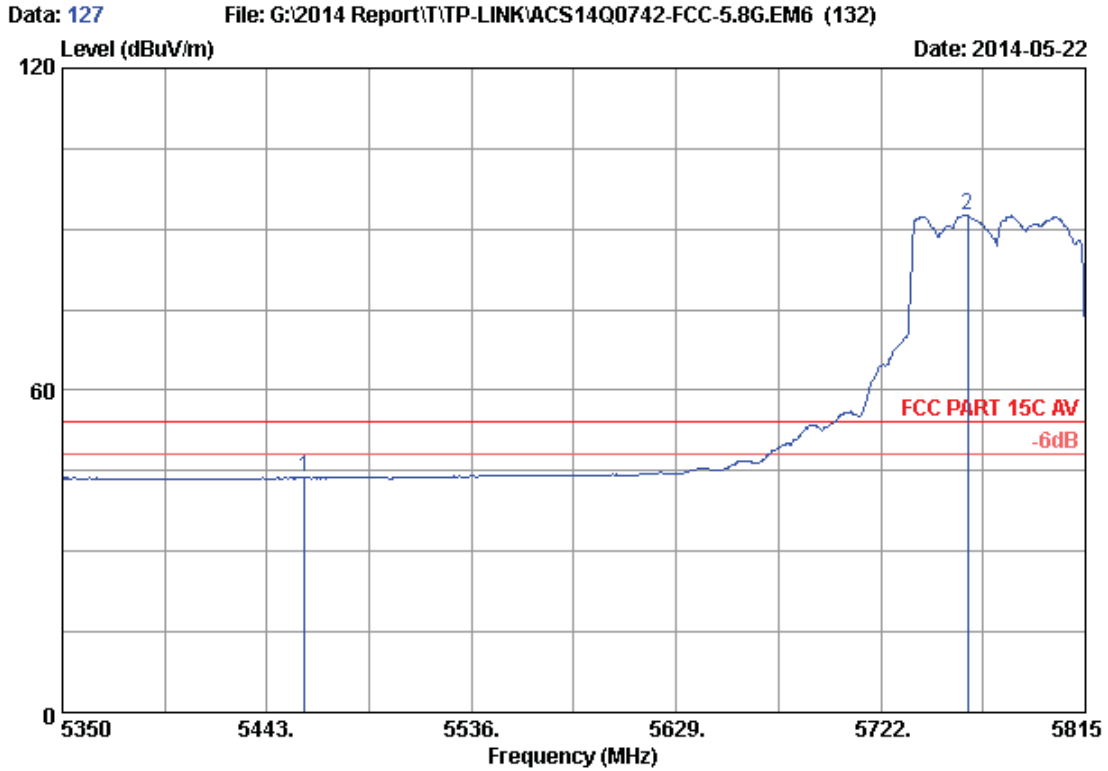
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 126
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT80 CH155 5775MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5460.000	33.94	9.25	35.70	35.14	42.63	54.00	11.37	Average
2	5758.270	34.10	9.56	35.70	70.42	78.38	54.00	-24.38	Average

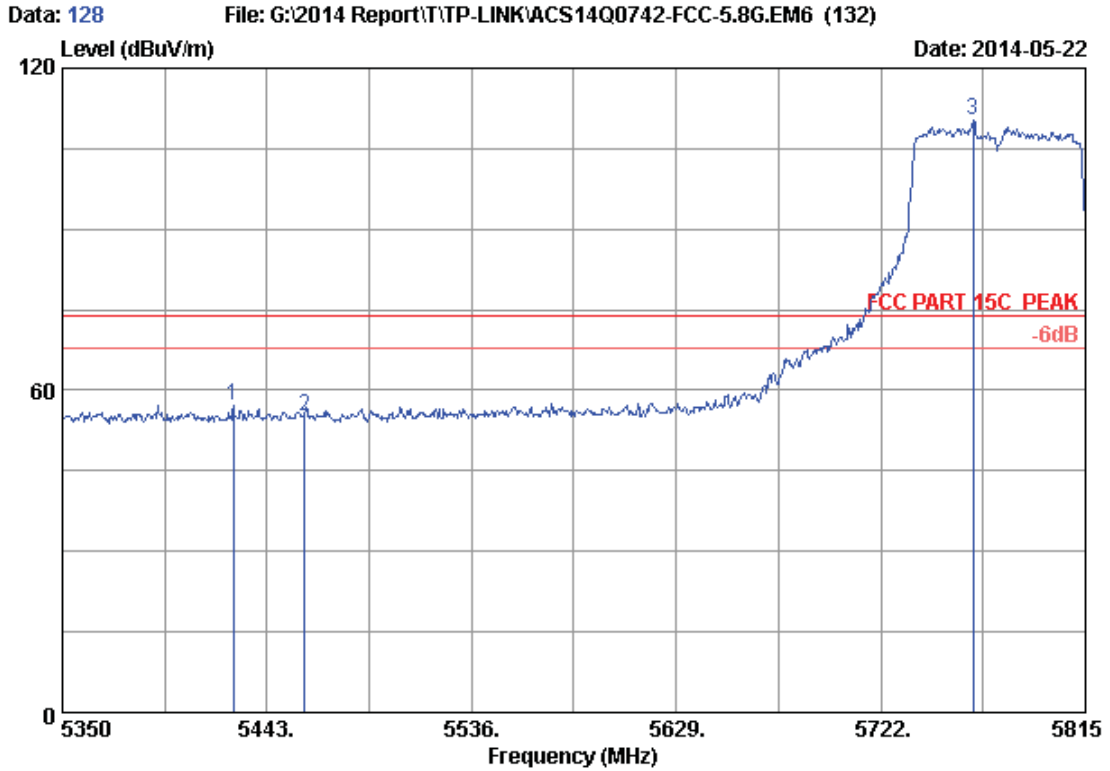
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 127
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT80 CH155 5775MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5460.000	33.94	9.25	35.70	36.22	43.71	54.00	10.29	Average
2	5761.525	34.10	9.56	35.70	84.67	92.63	54.00	-38.63	Average

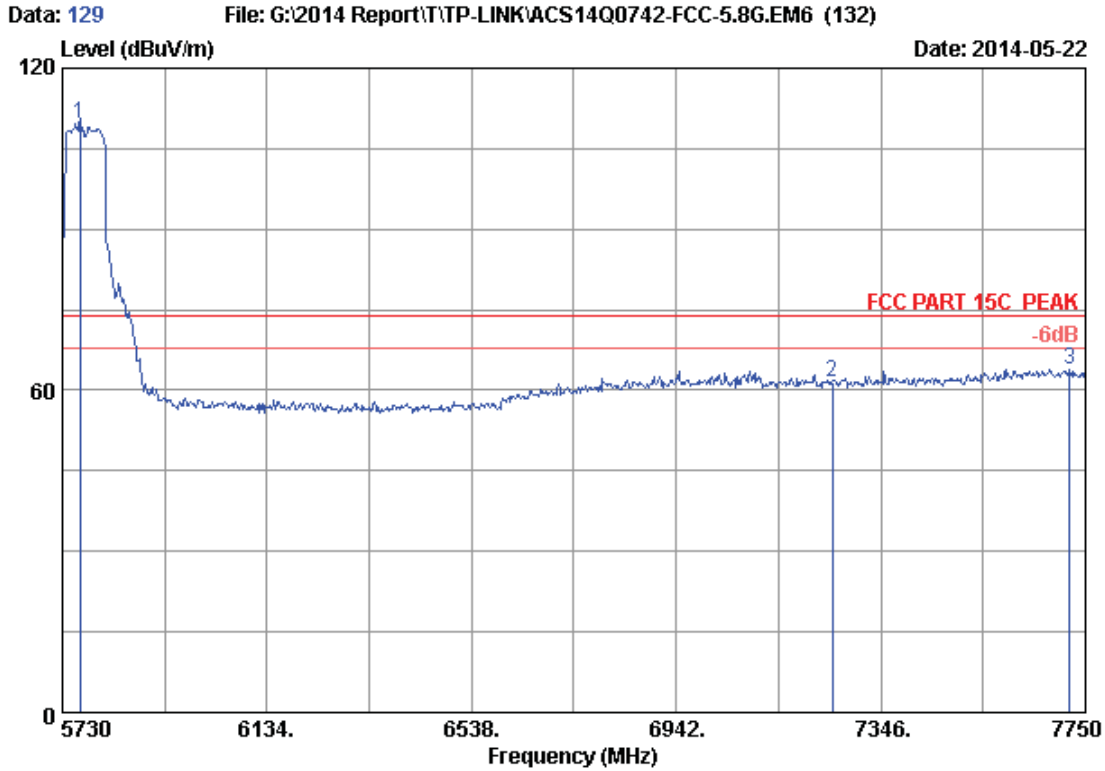
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 128
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24*C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT80 CH155 5775MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5427.655	33.88	9.21	35.70	49.89	57.28	74.00	16.72	Peak
2	5460.000	33.94	9.25	35.70	47.51	55.00	74.00	19.00	Peak
3	5763.850	34.11	9.57	35.70	102.27	110.25	74.00	-36.25	Peak

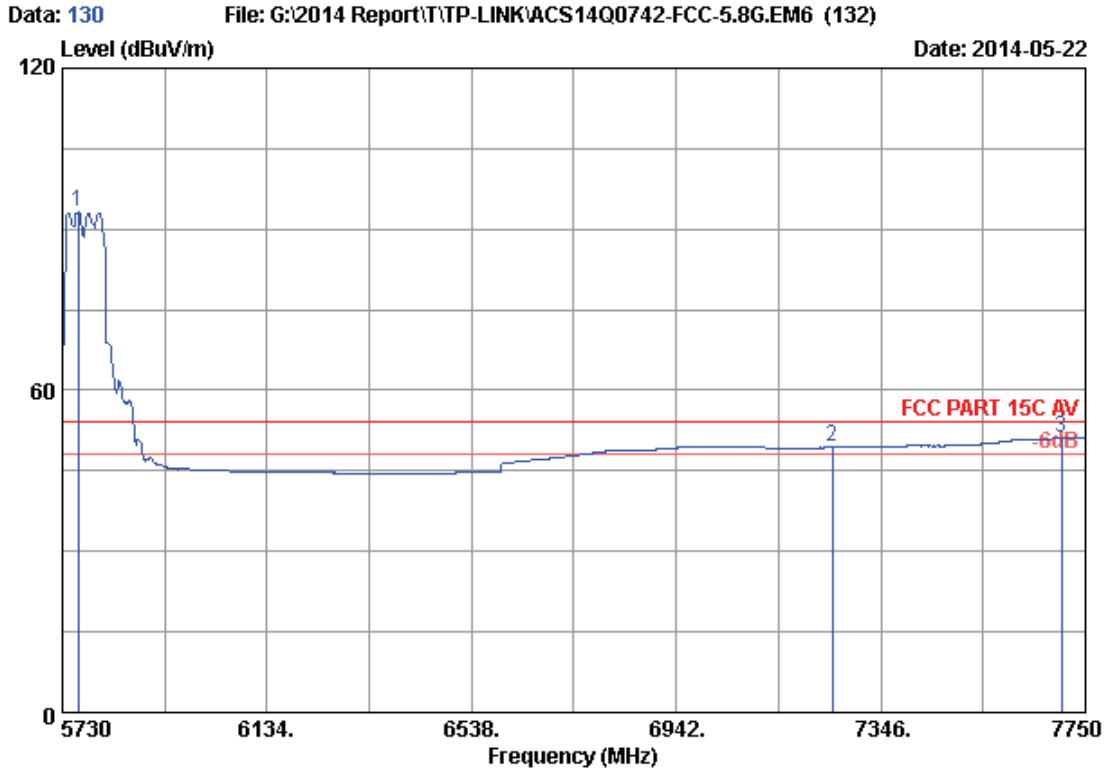
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 129
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT80 CH155 5775MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5764.340	34.11	9.57	35.70	101.56	109.54	74.00	-35.54	Peak
2	7250.000	36.05	10.99	35.45	49.91	61.50	74.00	12.50	Peak
3	7719.700	36.82	11.24	35.36	51.22	63.92	74.00	10.08	Peak

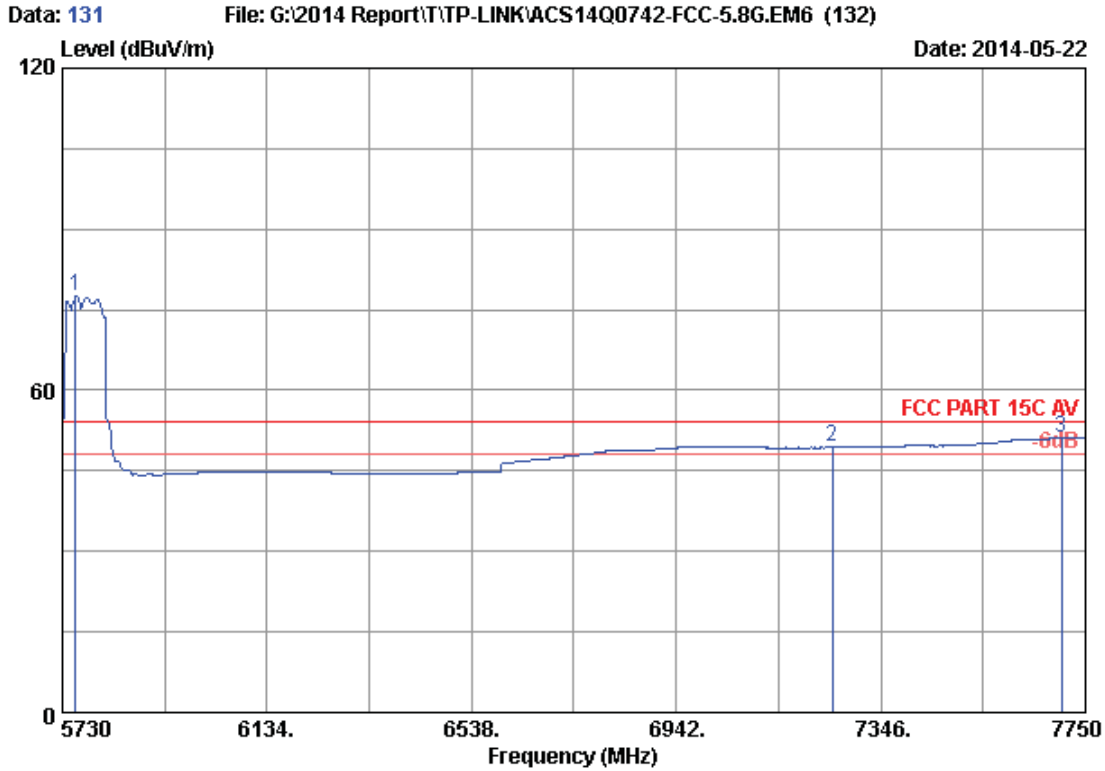
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 130
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT80 CH155 5775MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5760.300	34.10	9.56	35.70	85.35	93.31	54.00	-39.31	Average
2	7250.000	36.05	10.99	35.45	37.74	49.33	54.00	4.67	Average
3	7703.540	36.80	11.23	35.36	38.46	51.13	54.00	2.87	Average

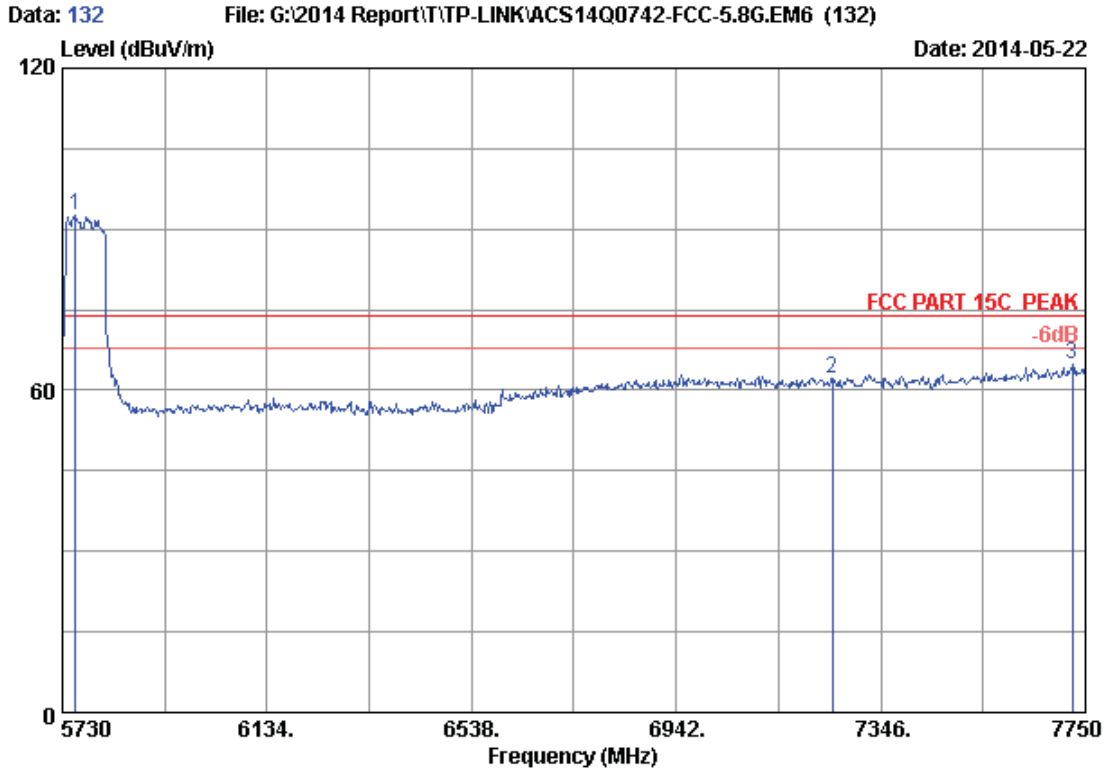
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 131
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT80 CH155 5775MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5756.260	34.10	9.56	35.70	69.53	77.49	54.00	-23.49	Average
2	7250.000	36.05	10.99	35.45	37.80	49.39	54.00	4.61	Average
3	7703.540	36.80	11.23	35.36	38.46	51.13	54.00	2.87	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. : 132
 Dis. / Ant. : 3m 2013 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Kevin_Hu
 EUT : AC750 Wireless Dual Band Router
 Power Rating : DC 12V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT80 CH155 5775MHz Tx
 M/N : C20i

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	5756.260	34.10	9.56	35.70	84.65	92.61	74.00	-18.61	Peak
2	7250.000	36.05	10.99	35.45	50.54	62.13	74.00	11.87	Peak
3	7723.740	36.82	11.24	35.36	52.07	64.77	74.00	9.23	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.

7. 6dB Bandwidth Test

7.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Oct.31, 13	1Year
2.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr. 28,14	1 Year
3.	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

2.4G:

EUT:AC750 Wireless Dual Band Router		
M/N:C20i		
Test date: 2014-05-22	Pressure: 101.2±1.0 kpa	Humidity: 49.2±3.0%
Tested by: Kevin_Hu	Test site: RF site	Temperature:22.5±0.6 °C

Cable loss: 1 dB		Attenuator loss: 20 dB		
Test Mode	CH	6dB bandwidth (MHz)		Limit (KHz)
		ANT 0	ANT 1	
11b	CH1	10.21	10.18	>500
	CH6	10.22	10.18	>500
	CH11	10.21	10.18	>500
11g	CH1	16.75	16.76	>500
	CH6	16.73	16.65	>500
	CH11	16.72	16.76	>500
11n HT20	CH1	17.68	17.65	>500
	CH6	17.66	17.63	>500
	CH11	17.67	17.67	>500
11n HT40	CH3	36.51	36.53	>500
	CH6	36.50	36.51	>500
	CH9	36.58	36.55	>500

Conclusion : PASS

UNII Band 4:

EUT: EUT:AC750 Wireless Dual Band Router		
M/N:C20i		
Test date: 2014-05-16	Pressure: 101.3±1.0 kpa	Humidity:53.4±3.0%
Tested by: Kevin_Hu	Test site: RF site	Temperature:21.8±0.6 °C

Cable loss: 1 dB		Attenuator loss: 20 dB	
Test Mode	Frequency (MHz)	6dB bandwidth (MHz)	Limit (KHz)
11a	5745	16.43	>500
	5785	16.47	>500
	5825	16.43	>500
11n HT20	5745	17.61	>500
	5785	17.50	>500
	5825	17.45	>500
11n HT40	5755	36.41	>500
	5795	36.41	>500
11ac VHT20	5745	17.58	>500
	5785	17.49	>500
	5825	17.57	>500
11ac VHT40	5755	36.40	>500
	5795	36.37	>500
11ac VHT80	5775	75.95	>500

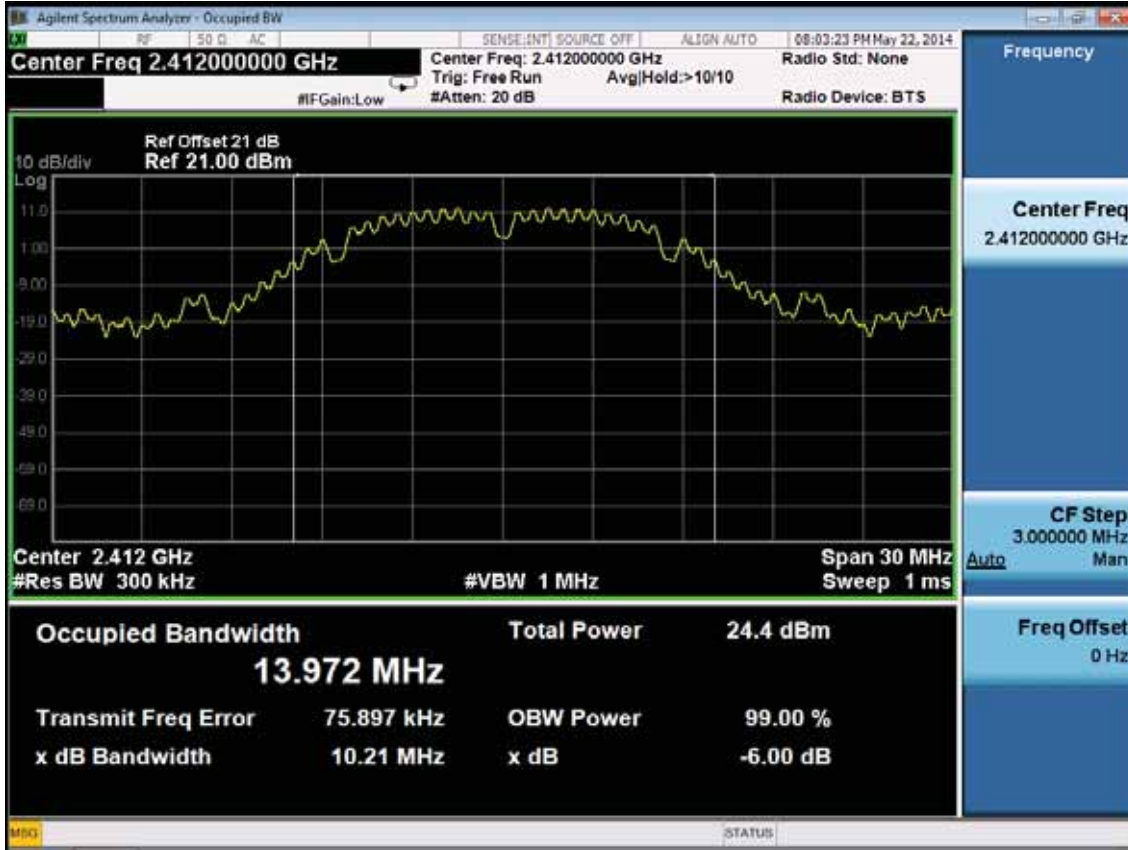
Conclusion : PASS

2.4G:

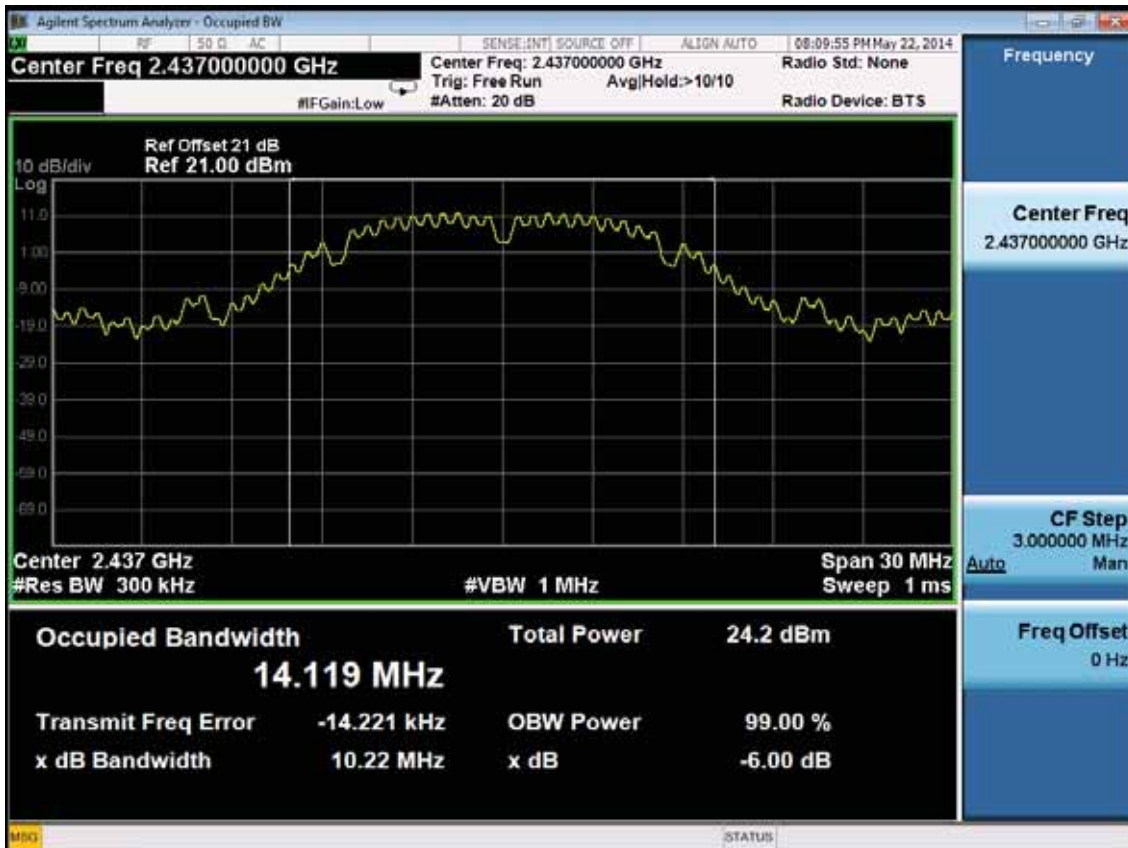
ANT 0:

Test Mode: IEEE 802.11b TX

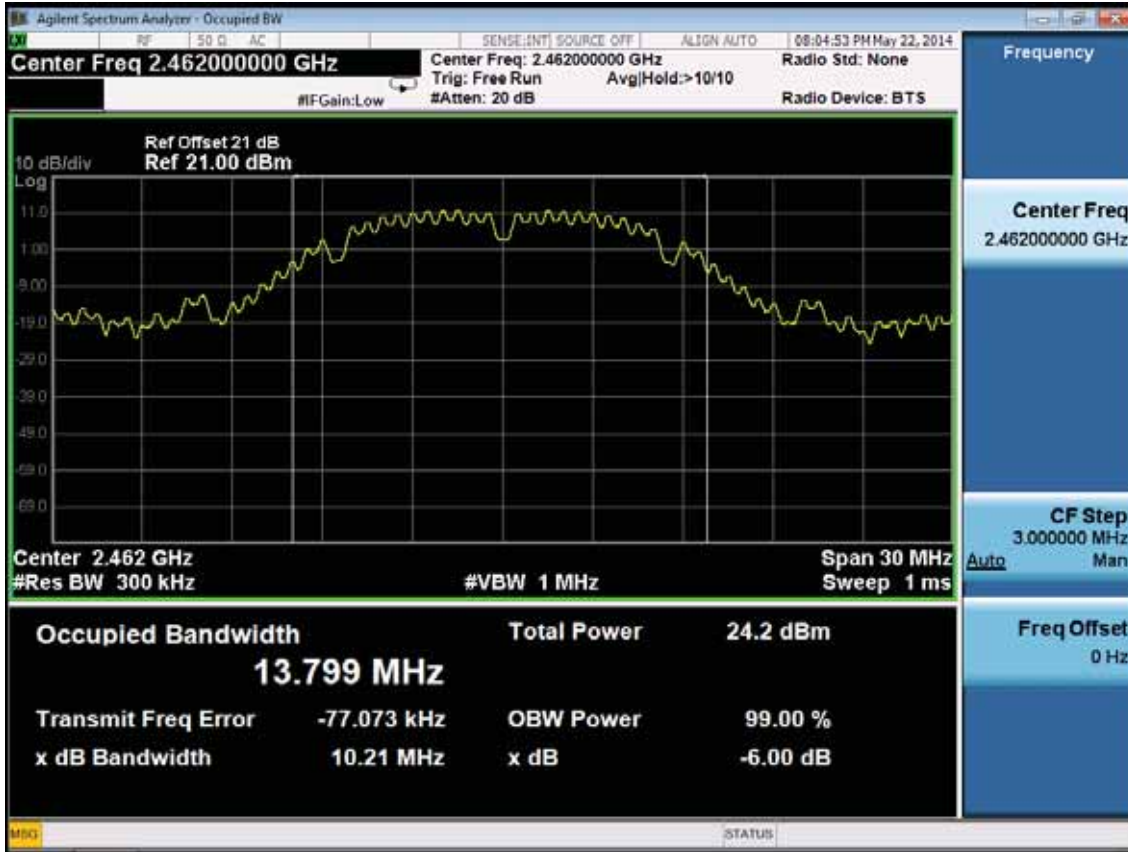
Test CH1: 2412MHz



Test CH6: 2437MHz

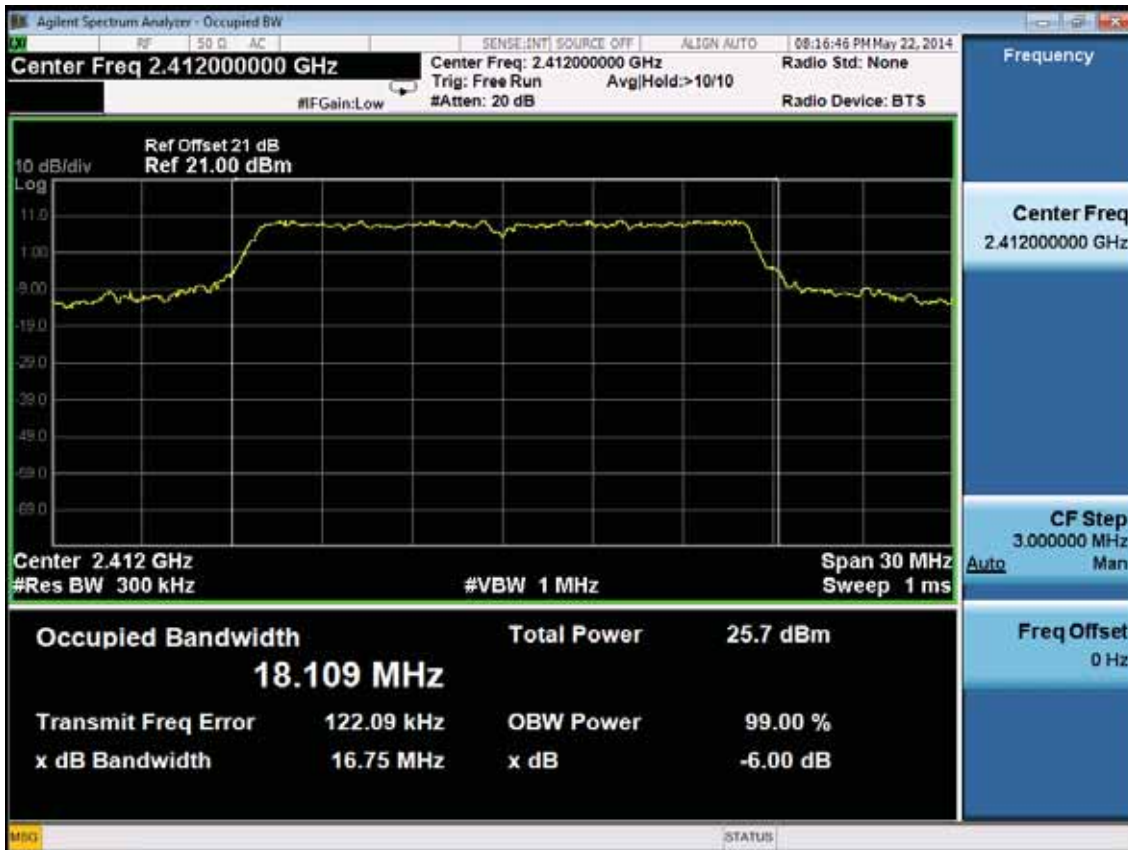


Test CH11: 2462MHz

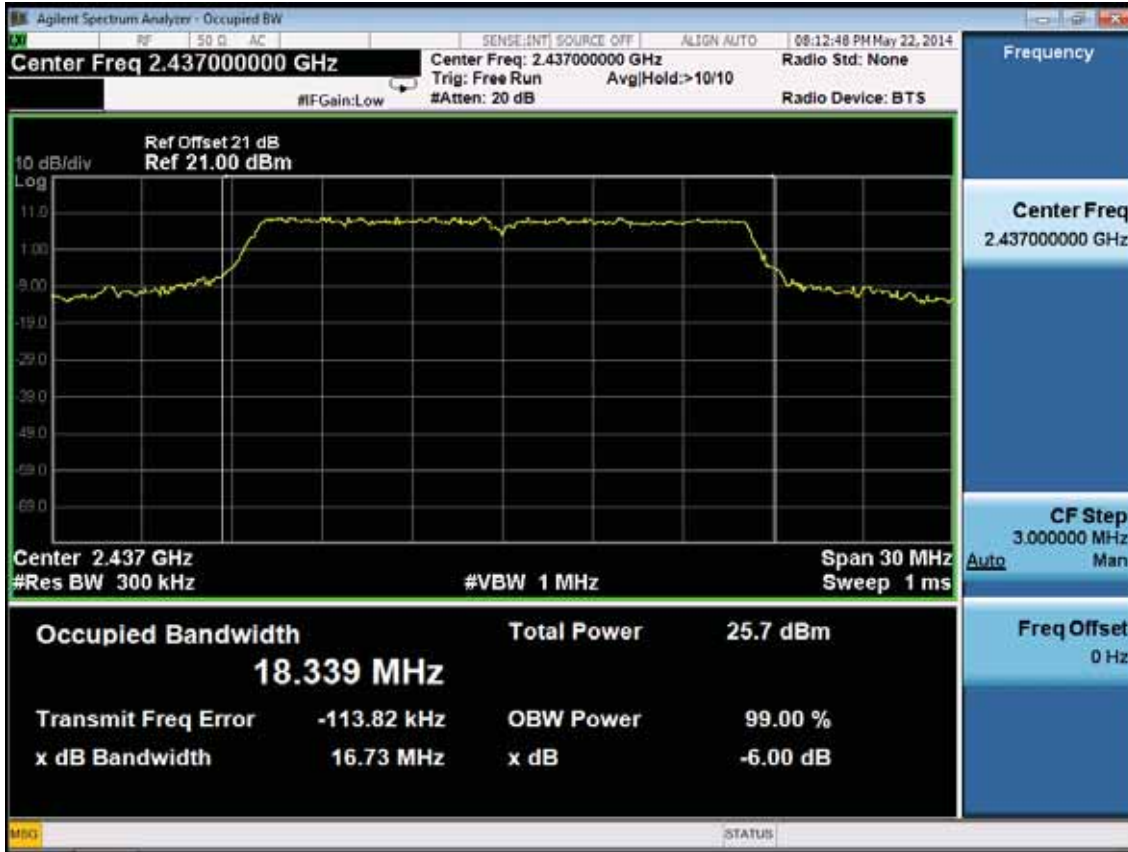


Test Mode: IEEE 802.11g TX

Test CH1: 2412MHz



Test CH6: 2437MHz

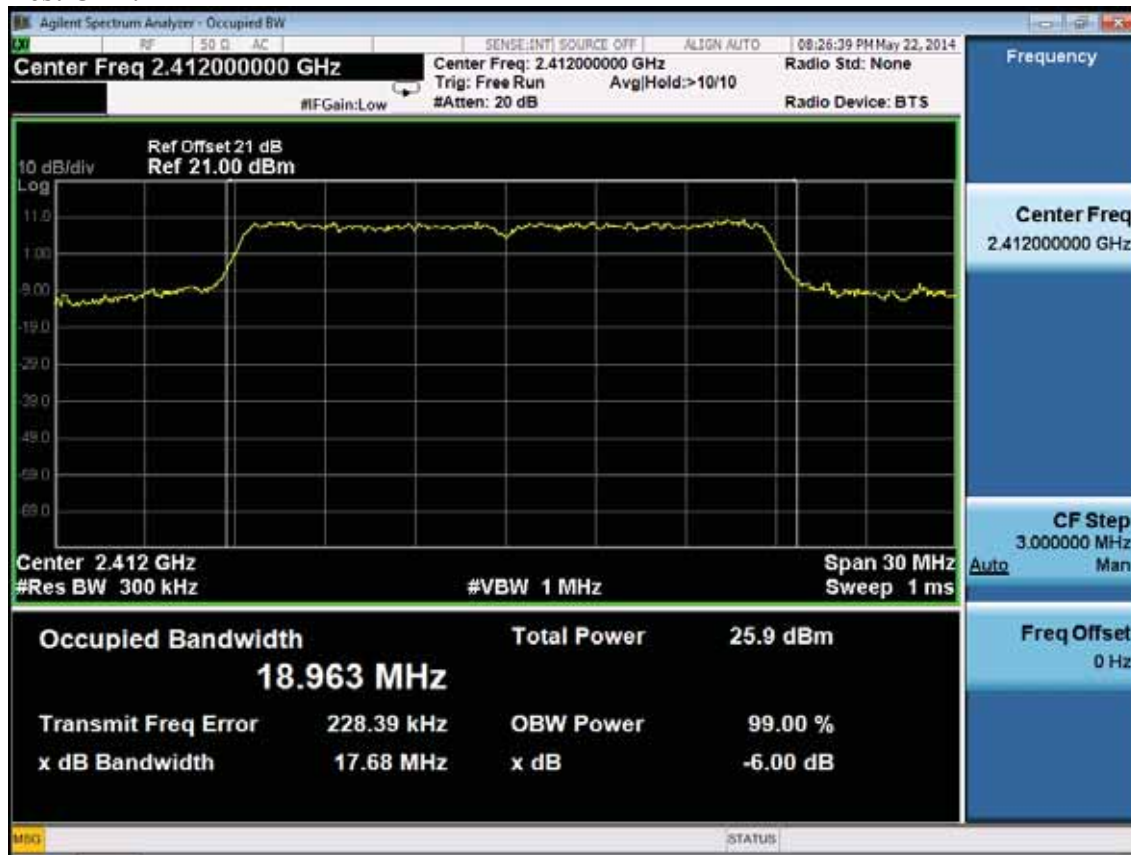


Test CH11: 2462MHz



Test Mode: IEEE 802.11n HT20 TX

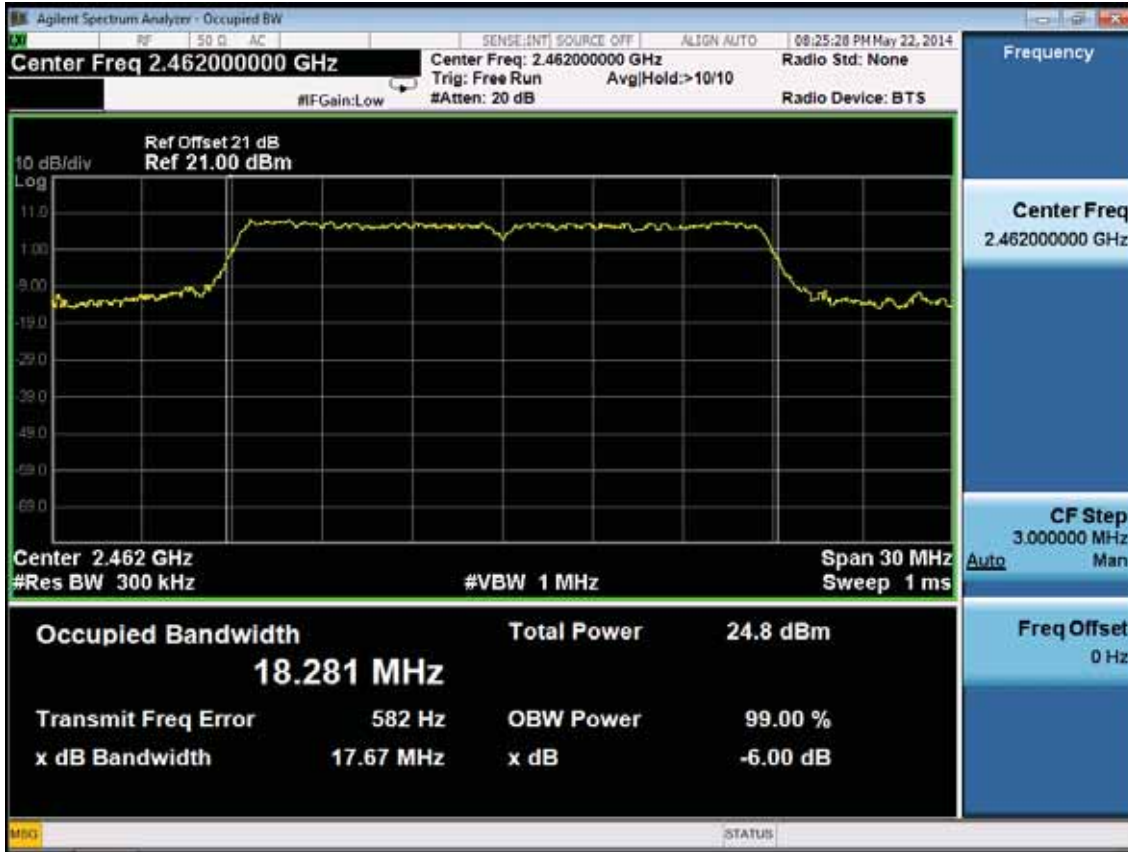
Test CH1: 2412MHz



Test CH6: 2437MHz

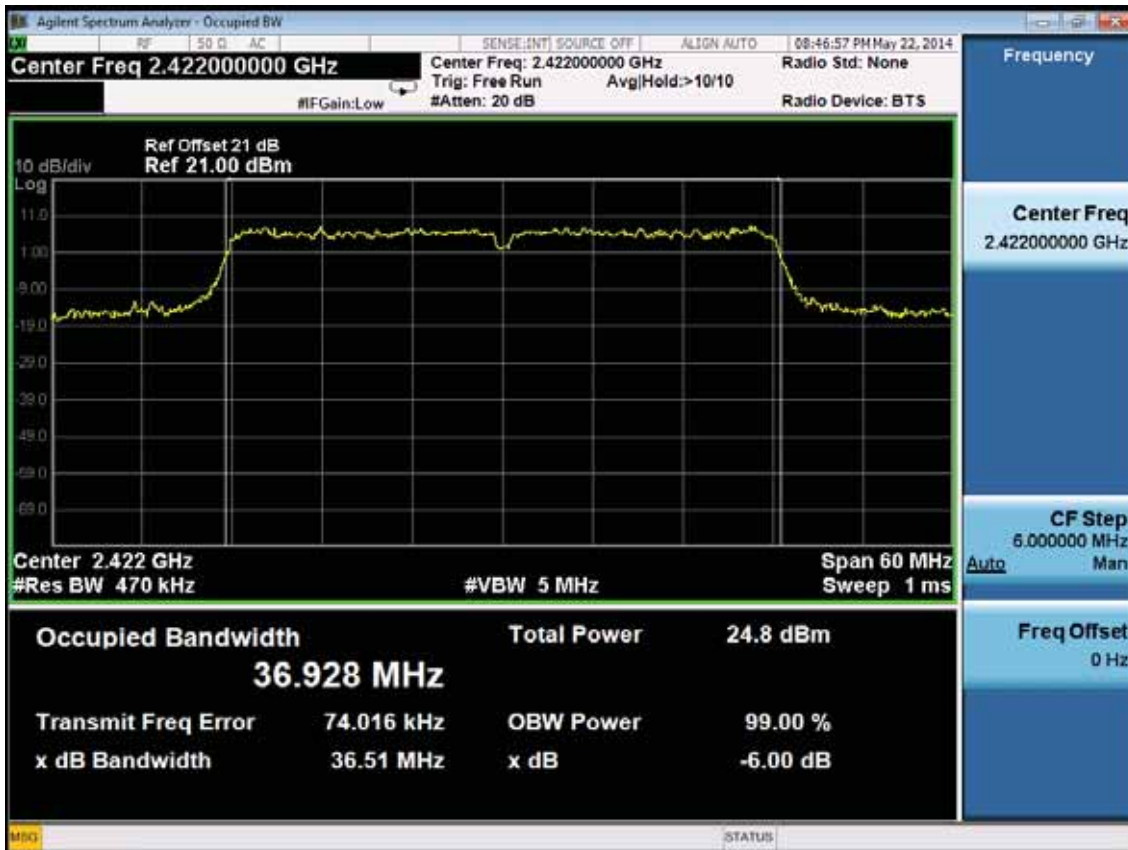


Test CH11: 2462MHz

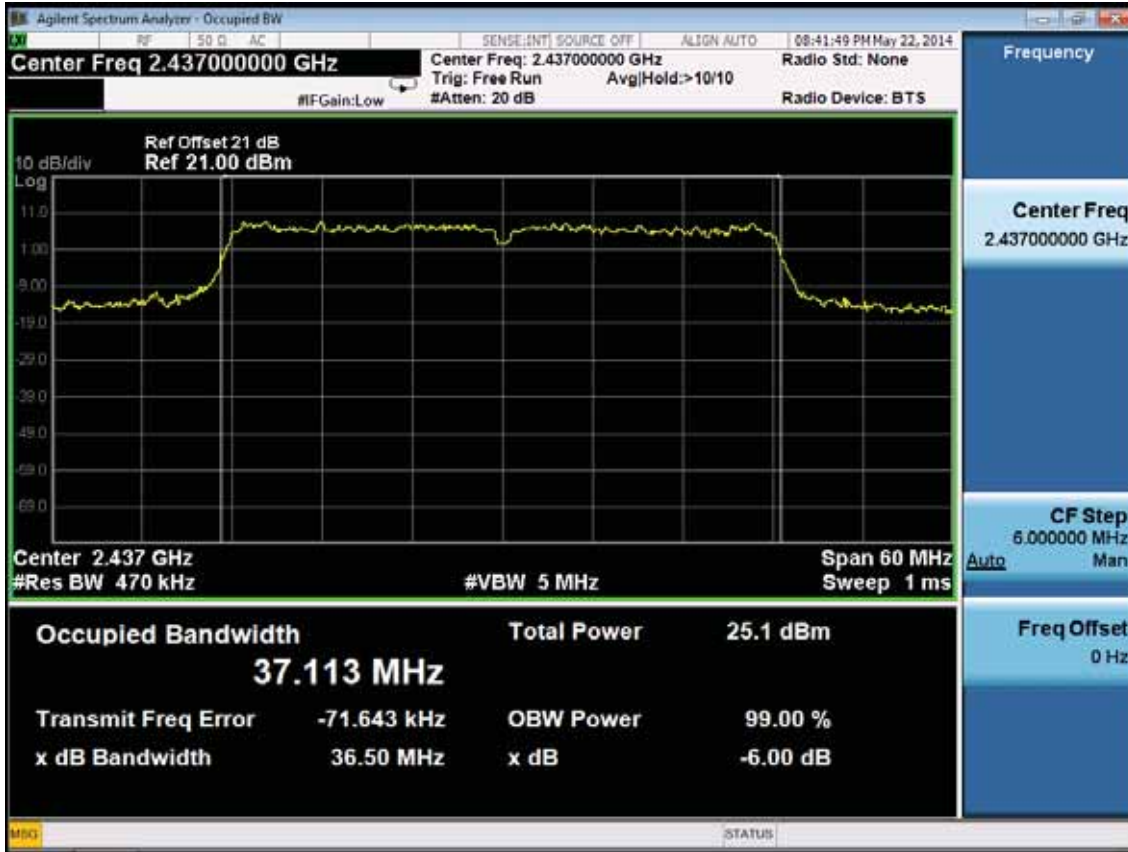


Test Mode: IEEE 802.11n HT40 TX

Test CH1: 2422MHz



Test CH4: 2437MHz



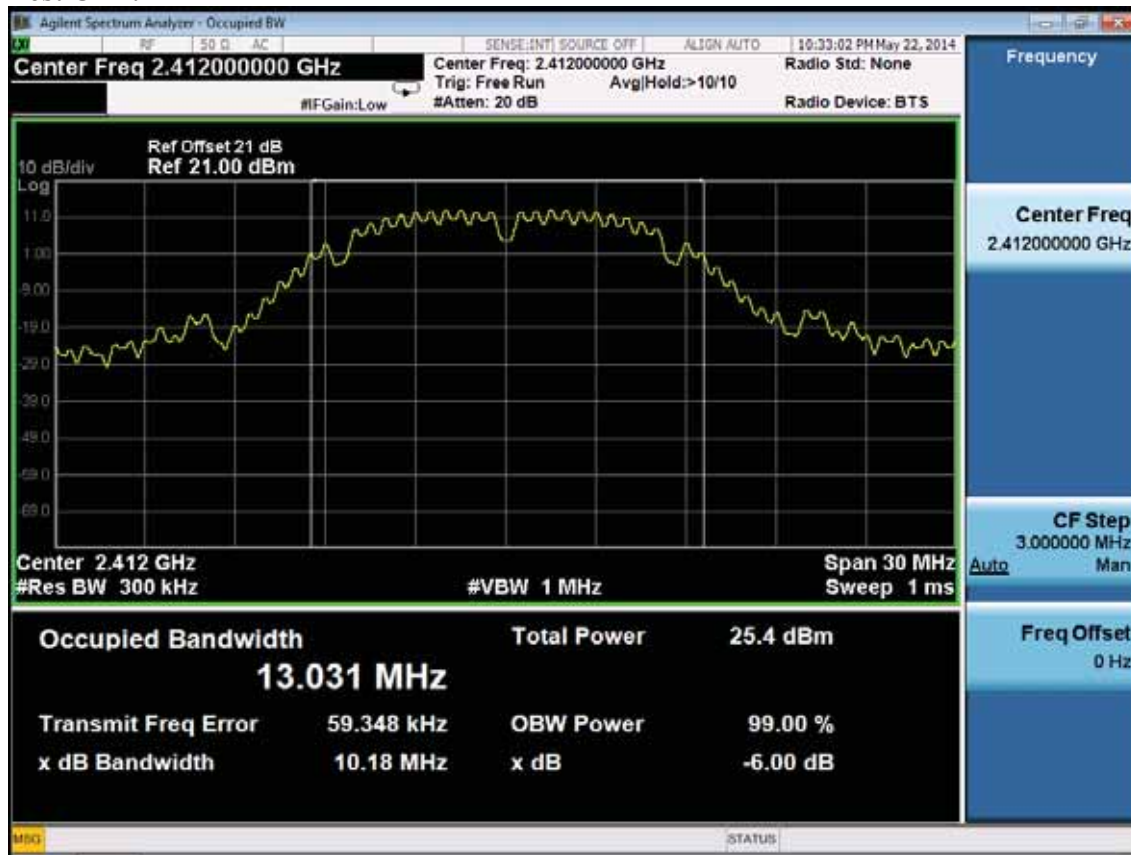
Test CH7: 2452MHz



ANT 1:

Test Mode: IEEE 802.11b TX

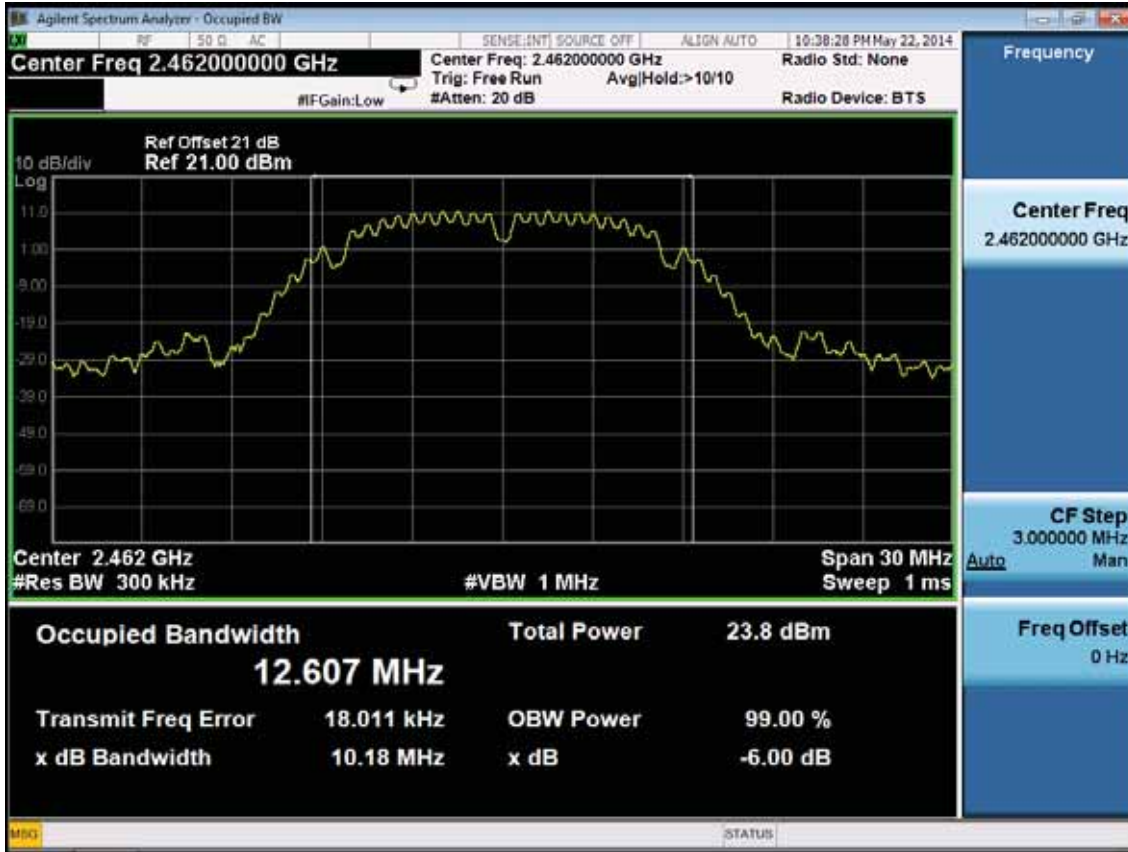
Test CH1: 2412MHz



Test CH6: 2437MHz

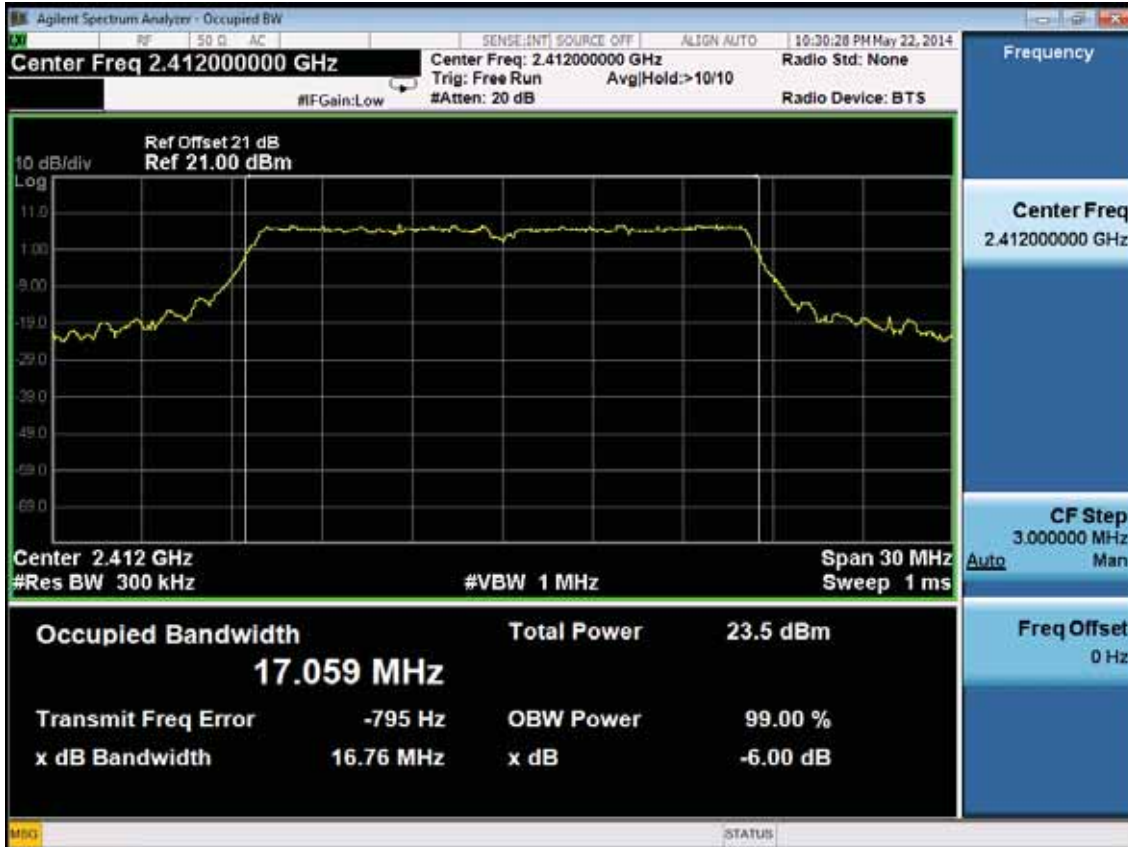


Test CH11: 2462MHz



Test Mode: IEEE 802.11g TX

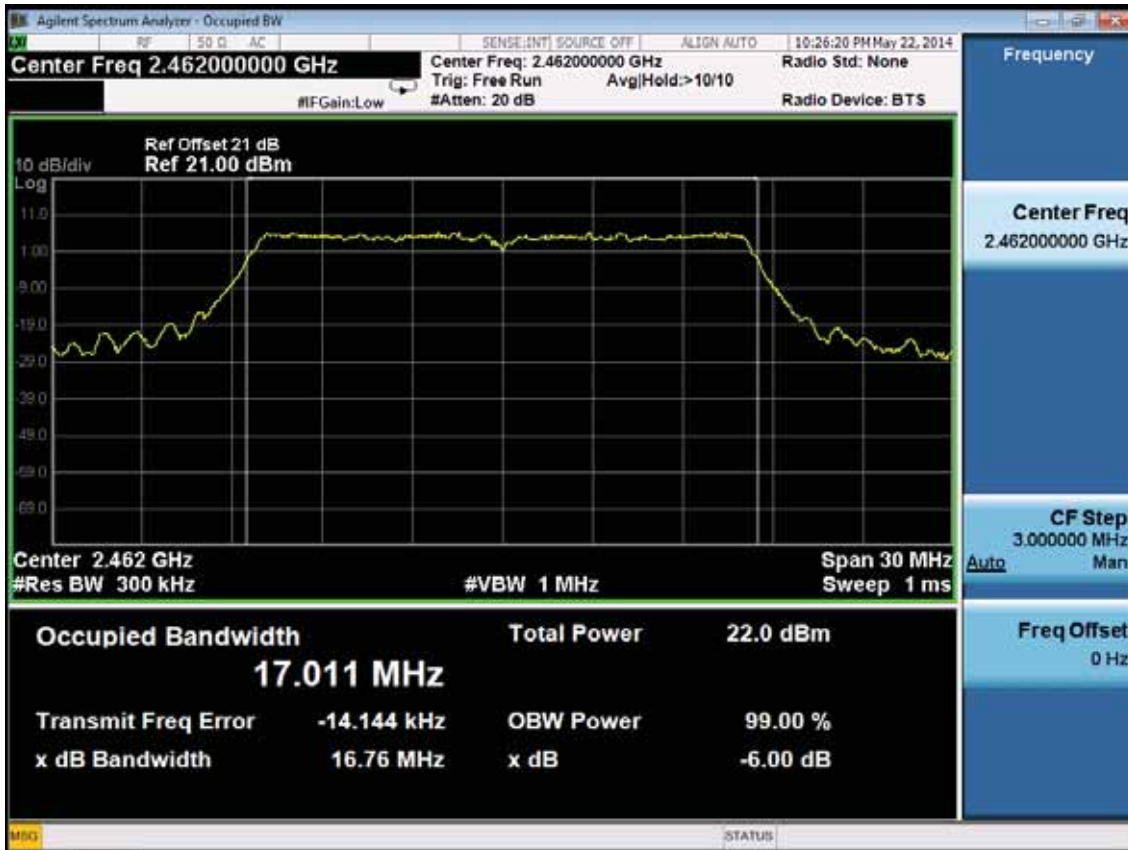
Test CH1: 2412MHz



Test CH6: 2437MHz

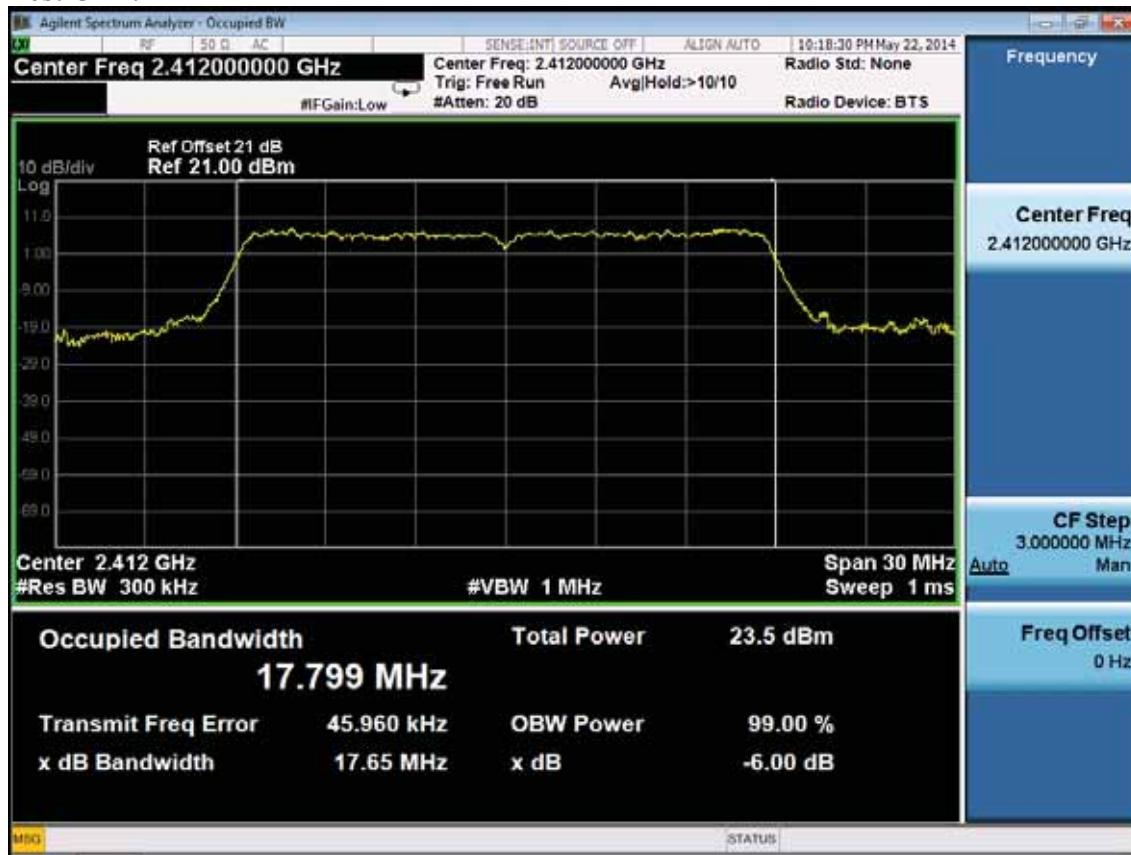


Test CH11: 2462MHz

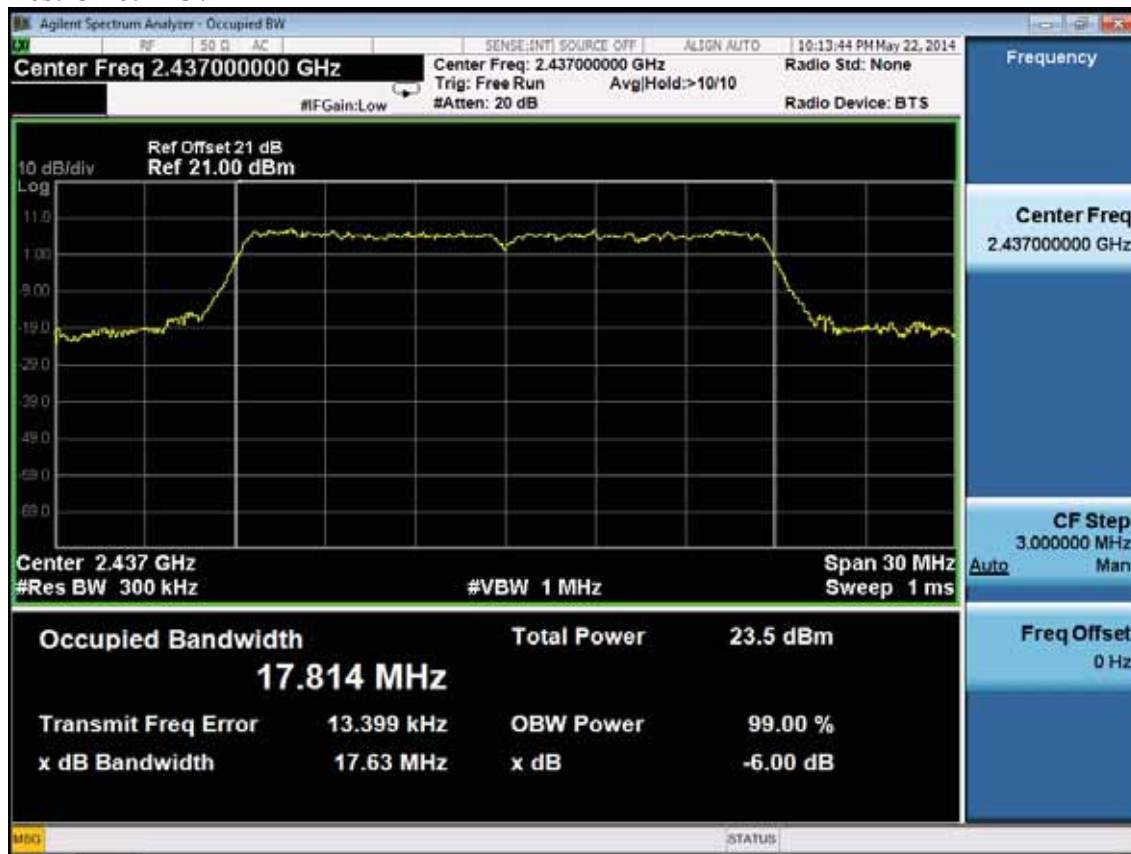


Test Mode: IEEE 802.11n HT20 TX

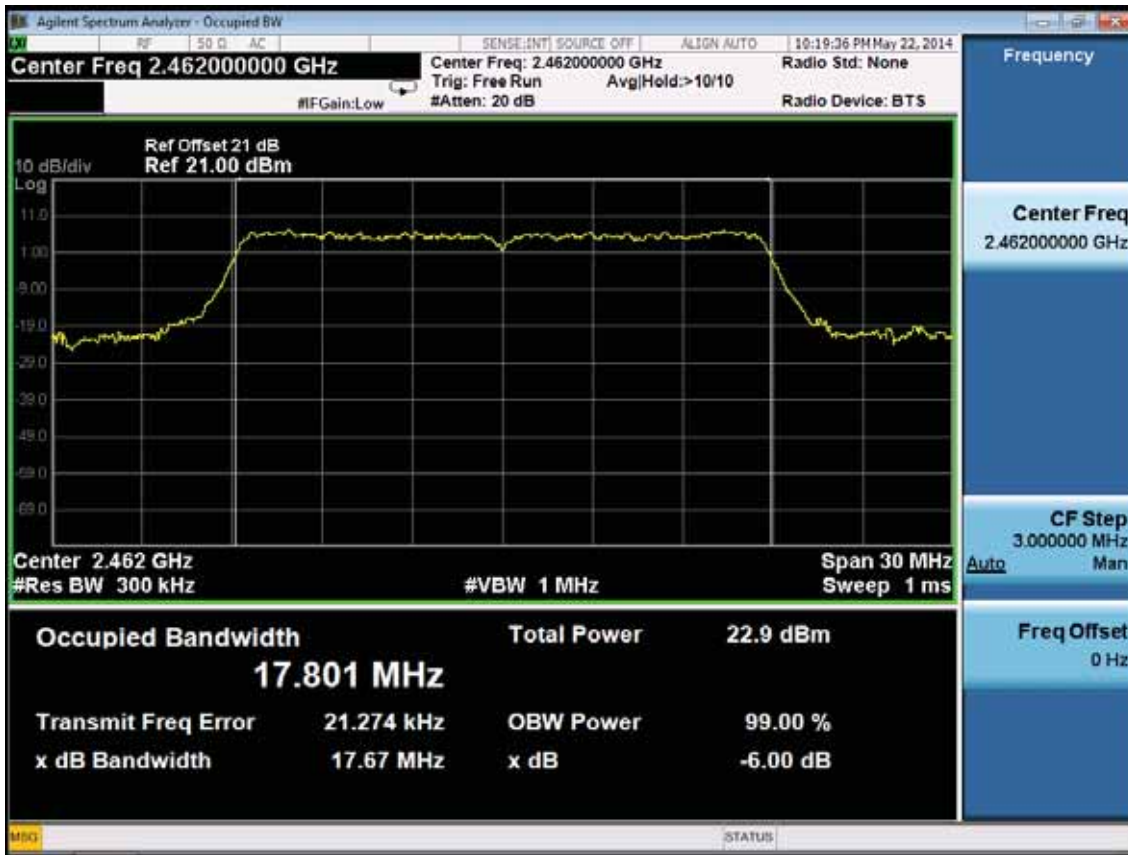
Test CH1: 2412MHz



Test CH6: 2437MHz

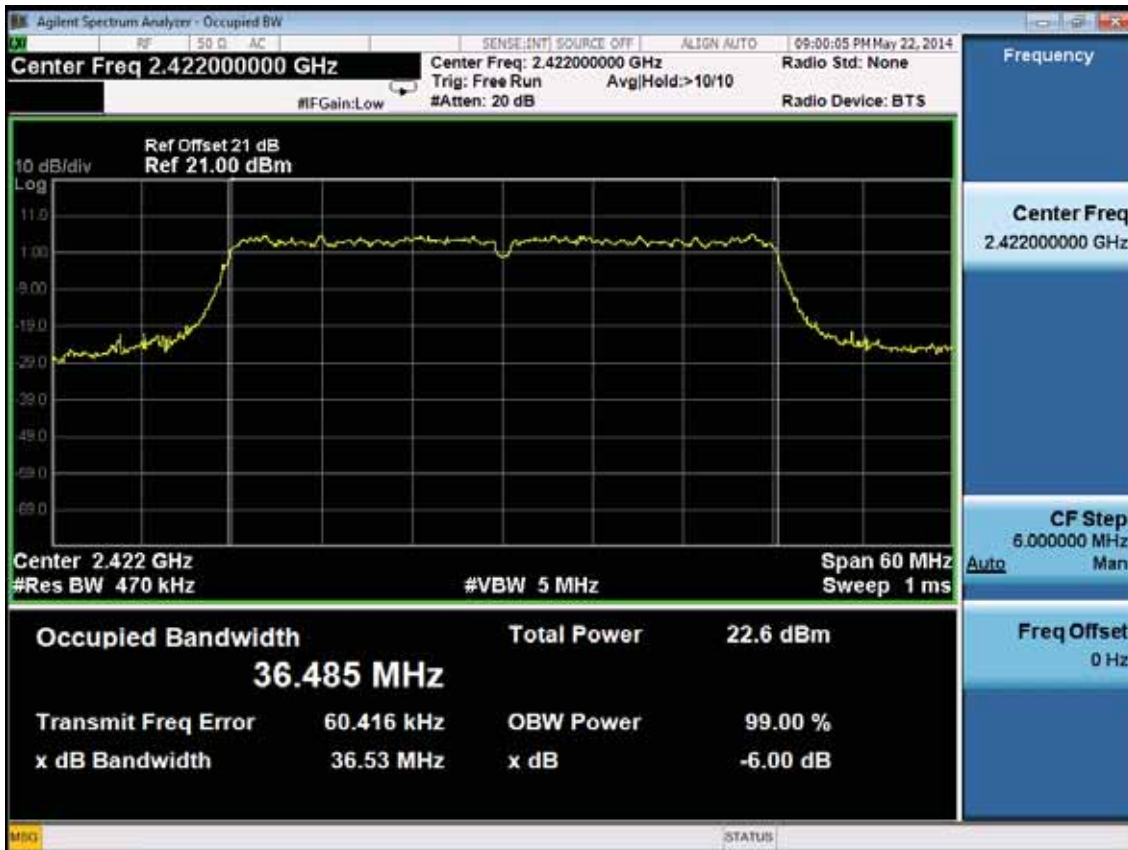


Test CH11: 2462MHz

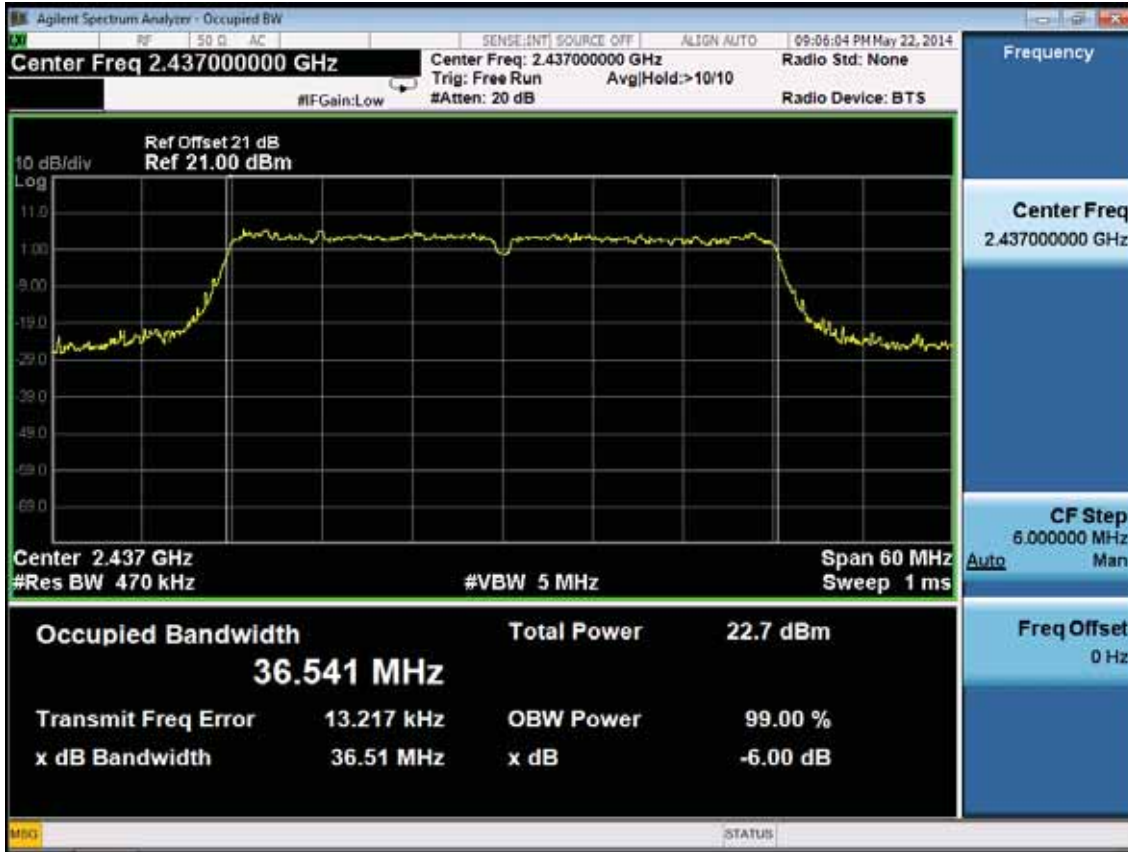


Test Mode: IEEE 802.11n HT40 TX

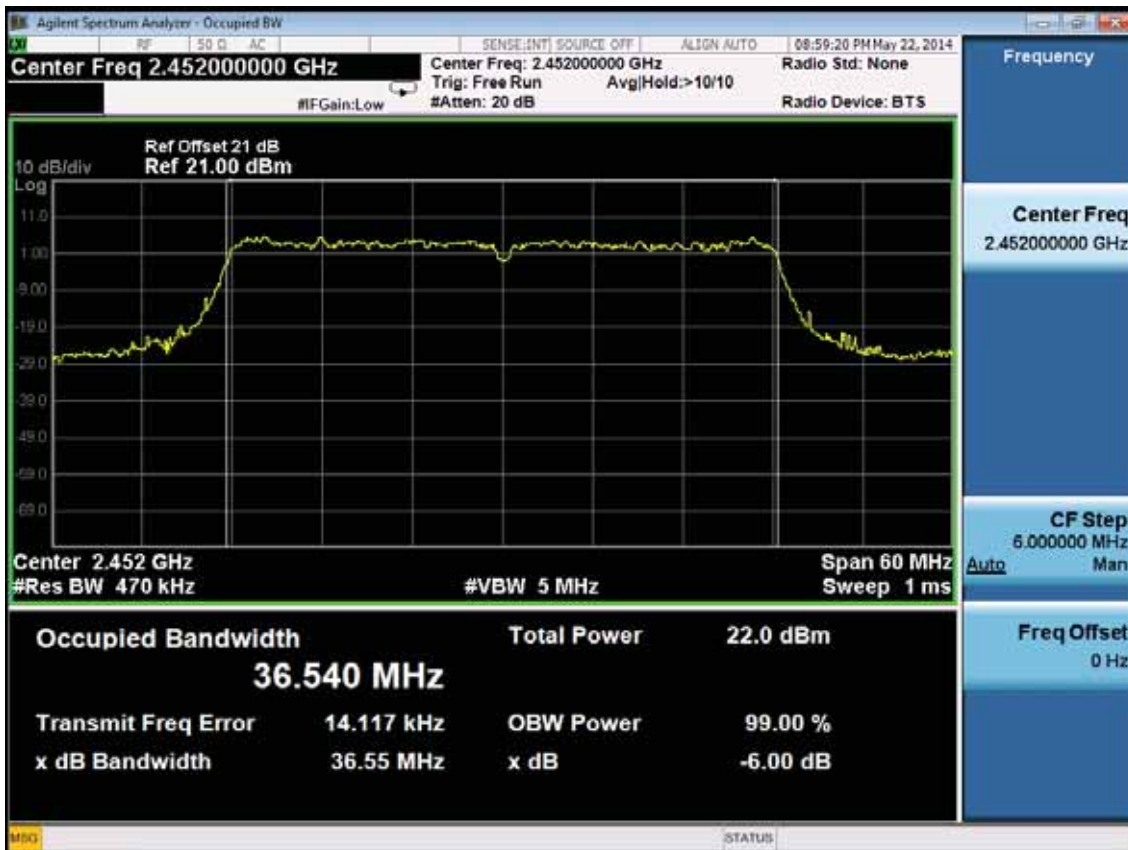
Test CH1: 2422MHz



Test CH4: 2437MHz



Test CH7: 2452MHz

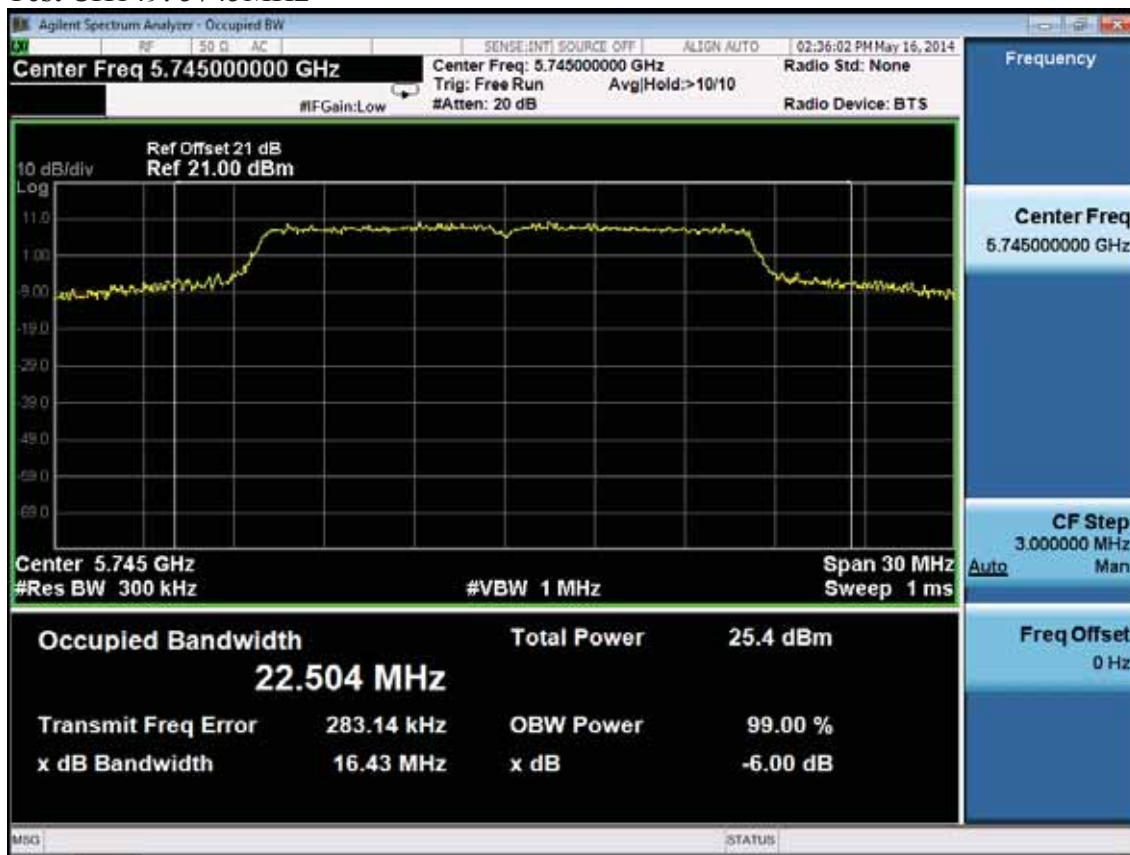


UNII Band 4:

ANT 0:

Test Mode: IEEE 802.11a TX

Test CH149: 5745MHz



Test CH157: 5785MHz



Test CH165: 5825MHz



Test Mode: IEEE 802.11n HT20 TX

Test CH149: 5745MHz



Test CH157: 5785MHz



Test CH165: 5825MHz

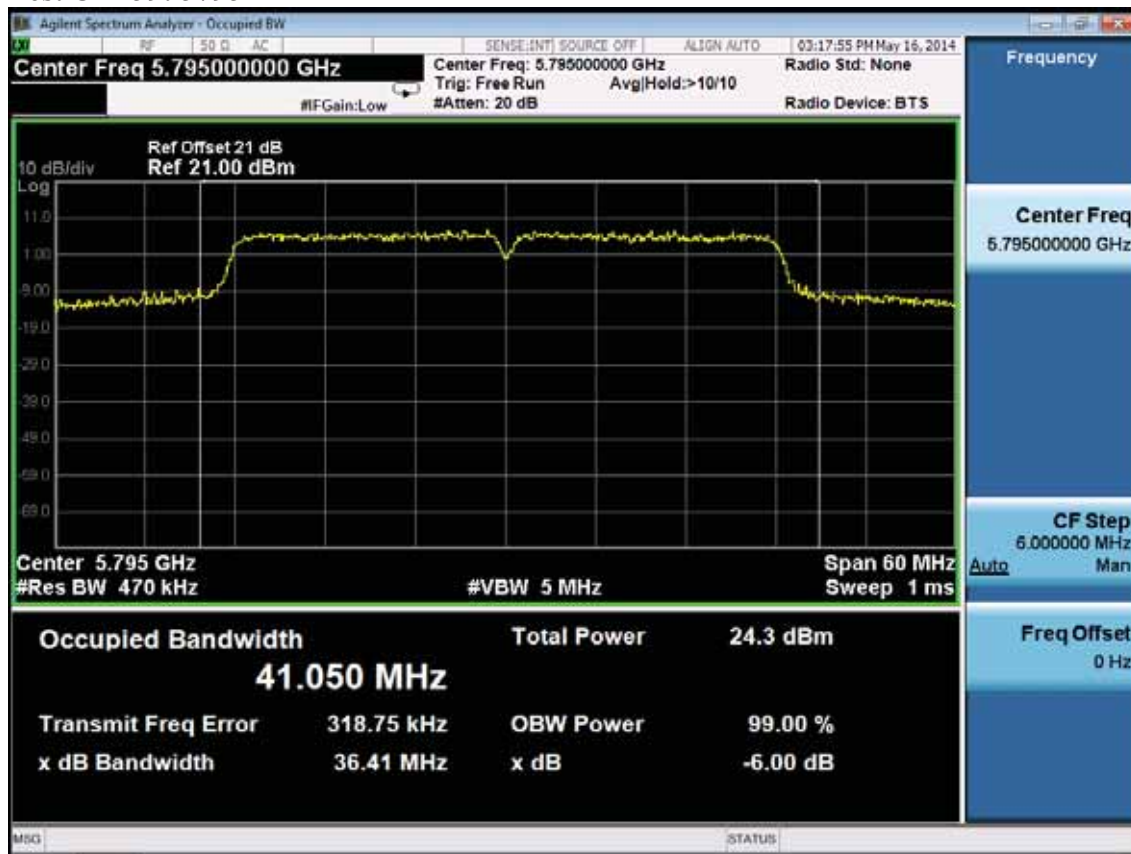


Test Mode: IEEE 802.11n HT40 TX

Test CH151: 5755MHz

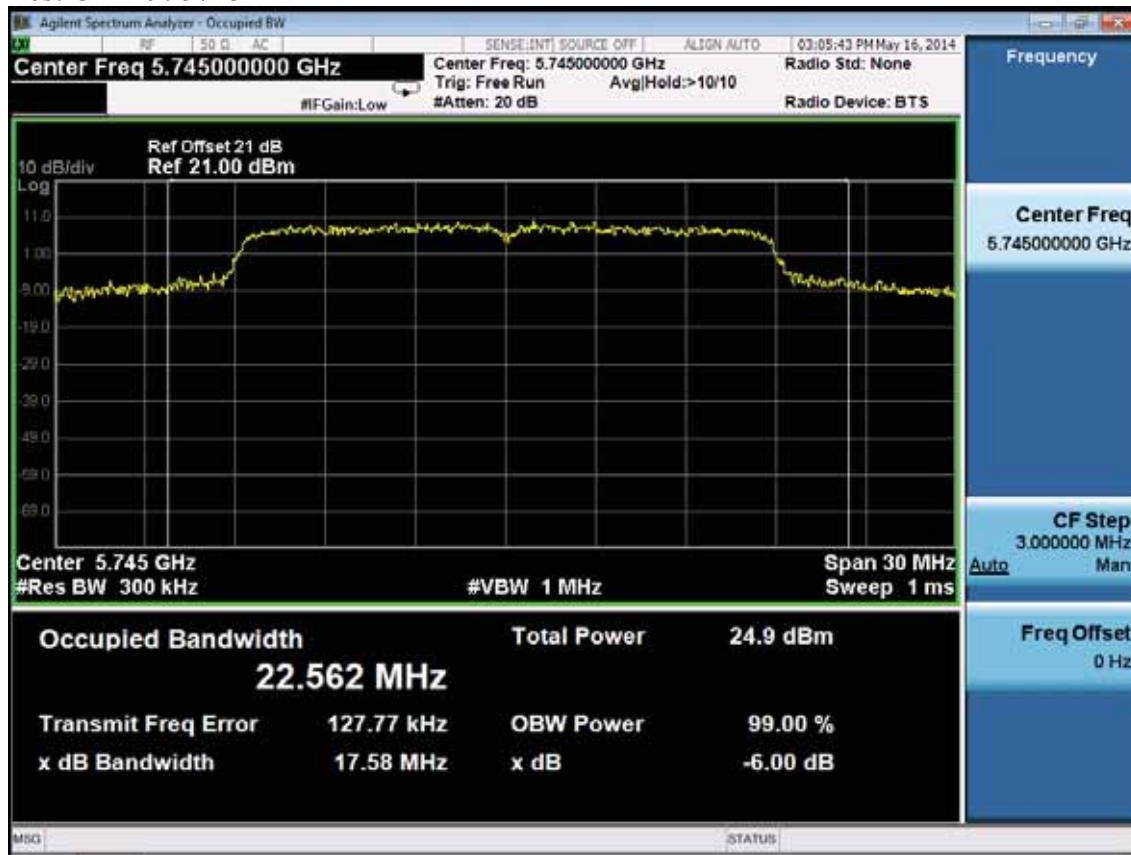


Test CH159: 5795MHz

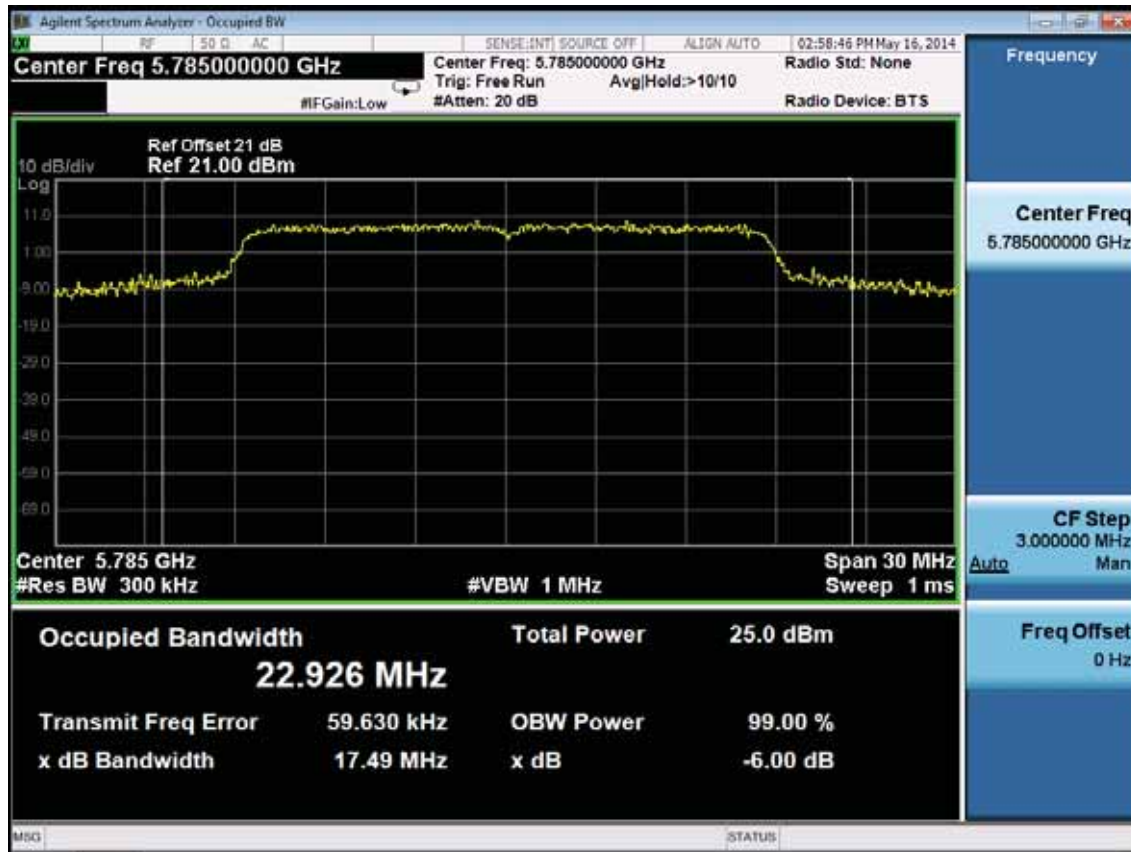


Test Mode: IEEE 802.11ac VHT20 TX

Test CH149: 5745MHz



Test CH157: 5785MHz

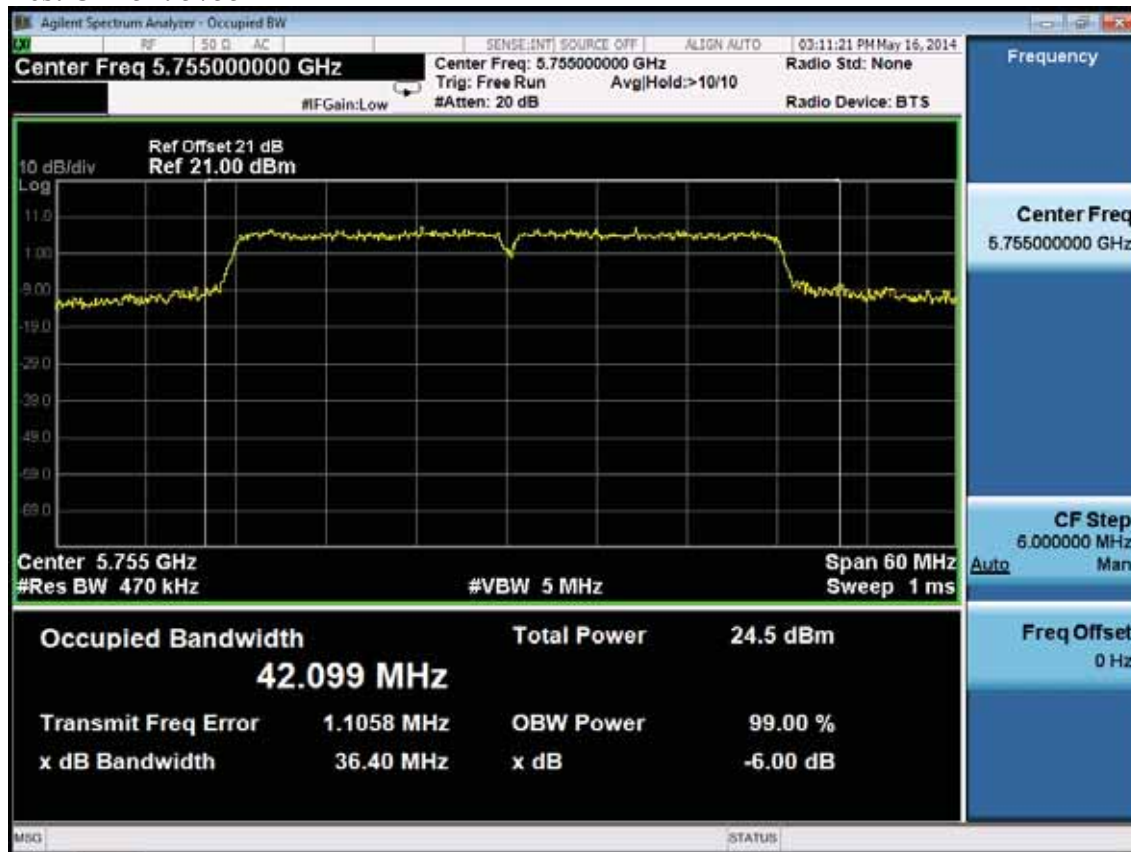


Test CH165: 5825MHz

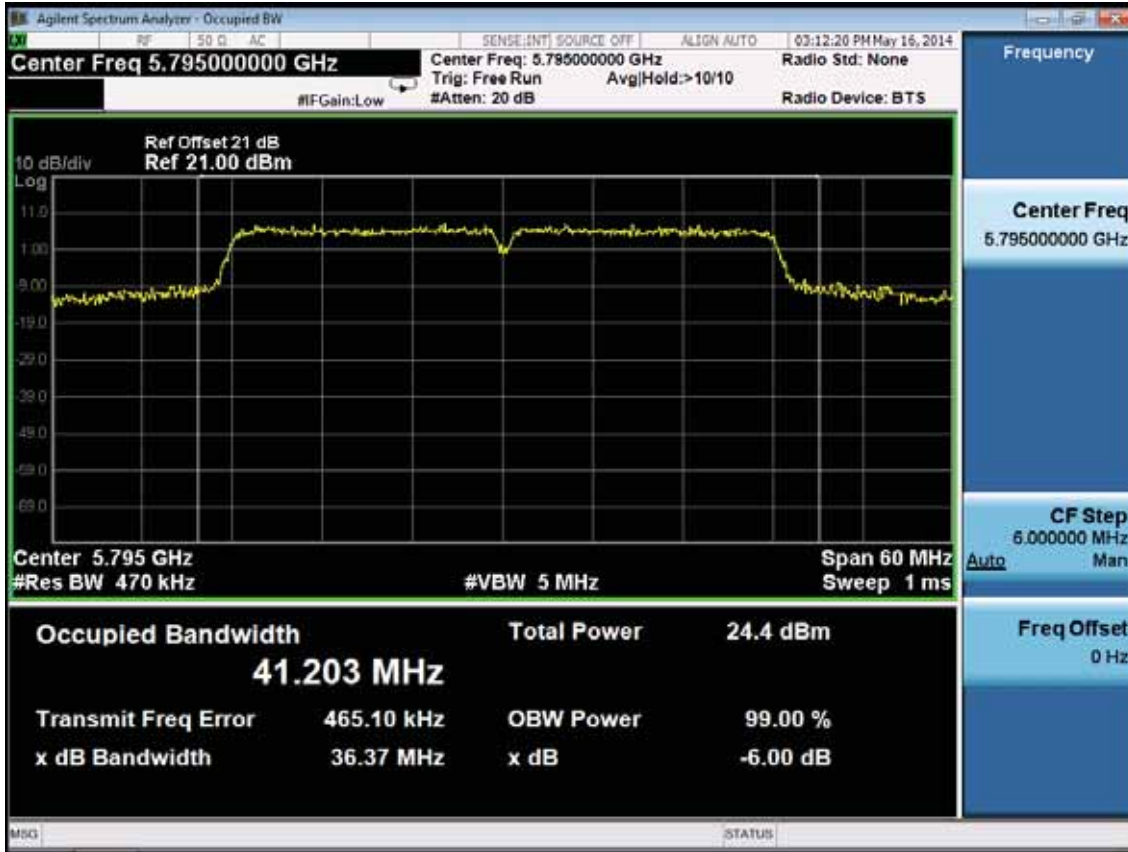


Test Mode: IEEE 802.11ac VHT40TX

Test CH151: 5755MHz

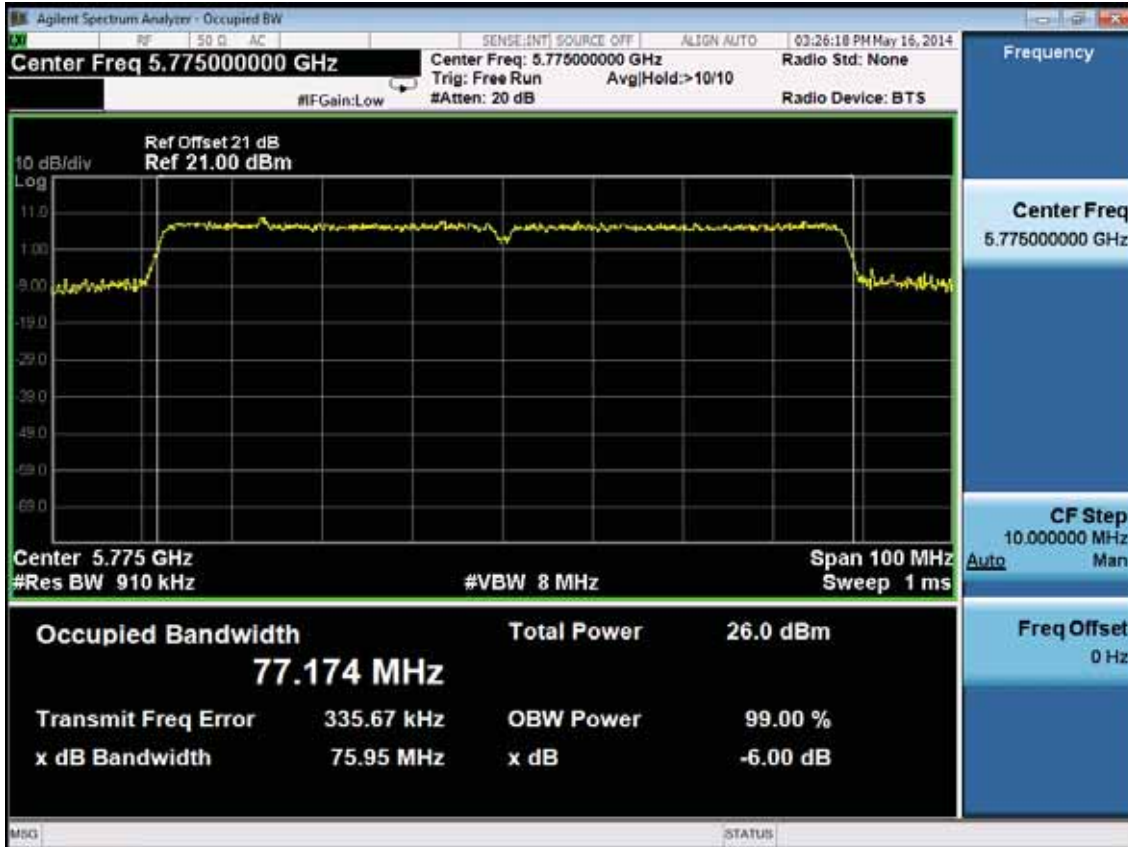


Test CH159: 5795MHz



Test Mode: IEEE 802.11ac VHT80TX

Test CH155: 5775MHz



8. OUTPUT POWER TEST

8.1. 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.31, 13	1Year
3.	Power meter	Anritsu	ML2487A	6K00002472	Apr. 28,14	1Year
4.	Power sensor	Anritsu	MA2491A	0033005	Apr. 28,14	1Year
5.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr. 28,14	1 Year
6	RF Cable	Hubersuhner	SUCOFLEX102	28610/2	Apr. 28,14	1 Year

8.2. Limit (FCC Part 15C 15.247 b(3))

For systems using digital modulation in the 2400—2483.5MHz, 5725-5850MHz, The Peak out put Power shall not exceed 1W(30dBm)

8.3. Test Procedure

- 1, Connected the EUT's antenna port to measure device by 26dB attenuator.
- 2, For IEEE 802.11b/g and IEEE802.11n HT20 mode, use a PK power meter which's bandwidth is 20MHz and above 26dB bandwidth of signal to measure out each test modes' PK output power.
- 3, For IEEE802.11n HT40 mode, because the signal's bandwidth is about 40MHz and above 20MHz bandwidth of power sensor ML2491A. So use the test method described in KDB558074 clause 9.1.2.
 - 1) Set the RBW=1MHz and VBW =3MHz
 - 2) Set the span to a value that is 5-30% greater than EBW
 - 3) Detector = peak
 - 4) Sweep time = auto couple
 - 5) Trace Mode = max hold
 - 6) allow trace to fully stabilize
 - 7) use the spectrum analyser's integrated band power measurement function with band limits set equal to the EBW band edges.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

8.4. Test Results

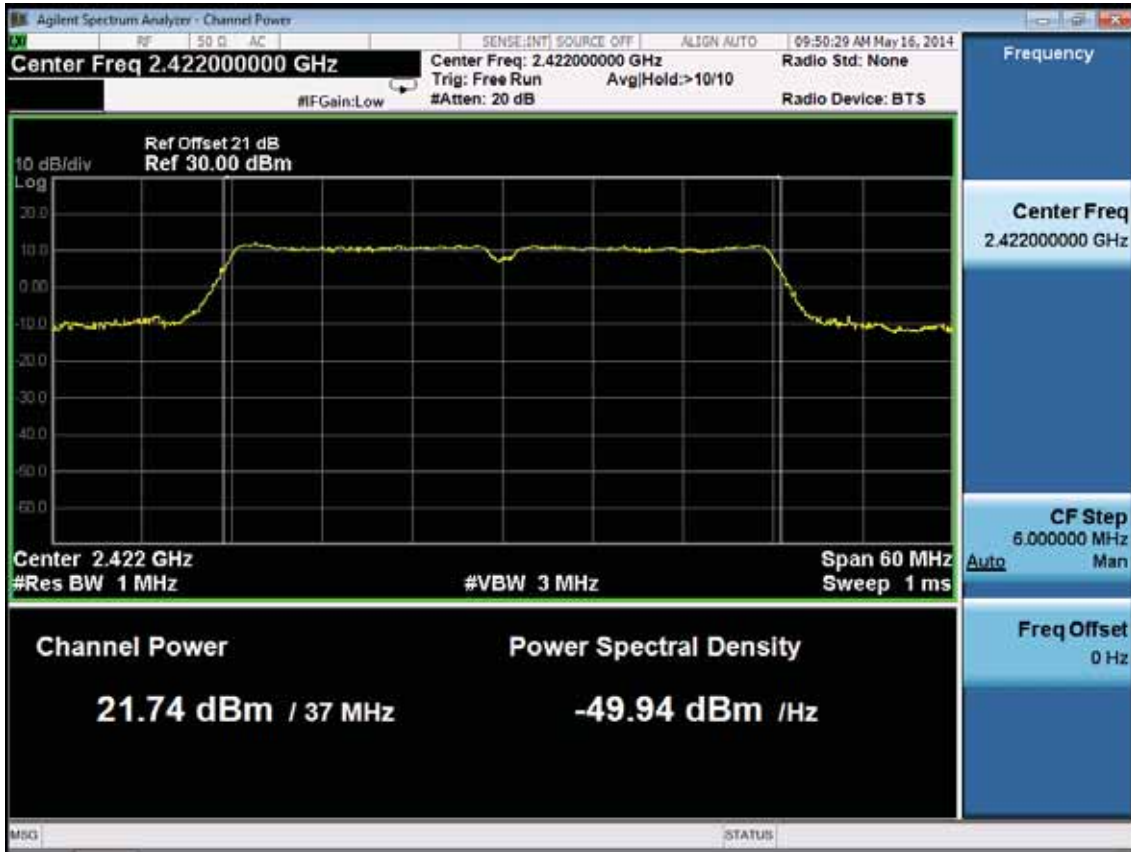
2.4G:

EUT:AC750 Wireless Dual Band Router					
M/N:C20i					
Test date: 2014-05-16		Pressure: 101.2±1.0 kpa		Humidity: 51.7±3.0%	
Tested by: Kevin_Hu		Test site: RF site		Temperature:22.3±0.6 °C	
Cable loss: 1 dB			Attenuator loss: 20 dB		
Test Mode	CH	Peak output Power (dBm)			Limit (dBm)
		ANT 0	ANT 1	Total	
11b	CH1	23.11	22.83	25.98	30
	CH6	22.87	22.76	25.83	30
	CH11	22.68	22.81	25.76	30
11g	CH1	23.91	23.65	26.79	30
	CH6	26.18	26.07	29.14	30
	CH11	22.14	21.83	25.00	30
11n HT20	CH1	23.98	23.95	26.98	30
	CH6	25.65	25.47	28.57	30
	CH11	22.12	22.19	25.17	30
11n HT40	CH3	21.74	21.09	24.44	30
	CH6	25.83	25.35	28.61	30
	CH9	20.59	20.05	23.34	30
Conclusion: PASS					

UNII Band 4:

EUT:AC750 Wireless Dual Band Router			
M/N:C20i			
Test date: 2014-06-07		Pressure: 101.3±1.0 kpa	Humidity: 52.6±3.0%
Tested by: Kevin_Hu		Test site: RF site	Temperature:22.3±0.6 °C
Cable loss: 1 dB		Attenuator loss: 20 dB	
Test Mode	Frequency (MHz)	Peak output Power (dBm)	Limit (dBm)
11a	5745	26.21	30
	5785	26.15	30
	5825	26.11	30
11n HT20	5745	26.14	30
	5785	26.63	30
	5825	26.31	30
11n HT40	5755	26.61	30
	5795	26.45	30
11ac VHT20	5745	26.14	30
	5785	26.04	30
	5825	26.72	30
11ac VHT40	5755	26.47	30
	5795	26.75	30
11ac VHT80	5775	26.25	30
Conclusion: PASS			

2.4G:
 ANT 0:
 Test Mode: IEEE 802.11n HT40 TX
 Test CH1: 2422MHz



Test CH4: 2437MHz



Test CH7: 2452MHz



ANT 1:

Test Mode: IEEE 802.11n HT40 TX

Test CH1: 2422MHz



Test CH4: 2437MHz



Test CH7: 2452MHz



UNII Band 4:

ANT 0:

Test Mode: IEEE 802.11n HT40 TX

5755MHz



5795MHz



Test Mode: IEEE 802.11ac VHT40 TX
5755MHz



5795MHz



Test Mode: IEEE 802.11ac VHT80 TX
5775MHz



9. POWER SPECTRAL DENSITY TEST

9.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Oct.31, 13	1 Year
2.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr. 28,14	1 Year
3	RF Cable	Hubersuhner	SUCOFLEX102	28610/2	Apr. 28,14	1 Year

9.2. Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

9.3. Test Procedure

1. Connected the EUT's antenna port to spectrum analyzer device by 20dB attenuator.
2. Set the test frequency as center frequency, Set RBW=3KHz, VBW=10KHz, Span large enough capture the entire frequency, Read out maximum peak level frequency
3. Set the frequency read from produce 2 as center frequency, then set the span= 300KHz, Sweep time=Span/RBW, Then Max hold, read out each mode and each ANT's Power density.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude

9.4. Test Results

2.4G:

EUT:AC750 Wireless Dual Band Router		
M/N:C20i		
Test date: 2014-05-22	Pressure: 101.2±1.0 kpa	Humidity: 51.2±3.0%
Tested by:Kevin_Hu	Test site: RF Site	Temperature : 21.3±0.6°C

Cable loss: 1 dB		Attenuator loss: 20 dB			
Test Mode	CH	Power density (dBm/3KHz)			Limit (dBm/3KHz)
		ANT 0	ANT 1	Total	
11b	CH1	-9.139	-4.192	-2.99	8
	CH6	-8.916	-3.856	-2.68	8
	CH11	-9.735	-4.523	-3.38	8
11g	CH1	-9.638	-9.152	-6.38	8
	CH6	-10.888	-10.062	-7.45	8
	CH11	-12.141	-11.202	-8.64	8
11n Mode					
Test Mode	CH	Power density (dBm/3KHz)			Limit (dBm/3KHz)
		ANT 0	ANT 1	Total	
11n HT20	CH1	-8.952	-7.718	-5.28	8
	CH6	-9.105	-7.599	-5.28	8
	CH11	-9.888	-10.118	-6.99	8
11n HT40	CH3	-13.455	-14.141	-10.77	8
	CH6	-15.448	-14.276	-11.81	8
	CH9	-14.934	-14.093	-11.48	8
Conclusion : PASS					

UNII Band 4:

EUT:AC750 Wireless Dual Band Router		
M/N:C20i		
Test date: 2014-05-16	Pressure: 101.3±1.0 kpa	Humidity:52.6±3.0%
Tested by:Kevin_Hu	Test site: RF site	Temperature:22.7±0.6 °C

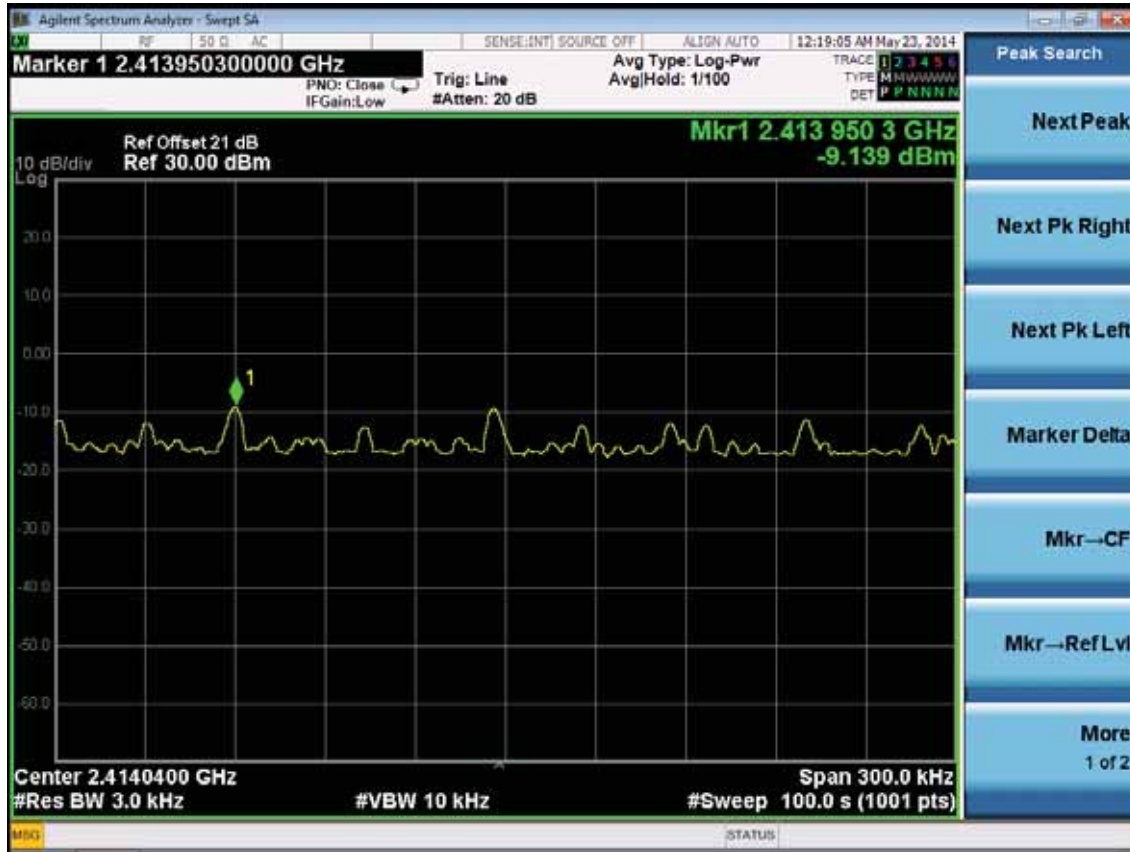
Cable loss: 1 dB		Attenuator loss: 20 dB	
Test Mode	Frequency (MHz)	Chain 0	Limit
		(dBm/MHz)	(dBm/MHz)
11a	5745	-5.566	8
	5785	-6.233	8
	5825	-5.420	8
11n HT20	5745	-6.328	8
	5785	-6.169	8
	5825	-5.875	8
11n HT40	5755	-9.568	8
	5795	-10.027	8
11ac VHT20	5745	-6.888	8
	5785	-6.454	8
	5825	-6.632	8
11ac VHT40	5755	-10.222	8
	5795	-10.092	8
11ac VHT80	5775	-12.603	8
Conclusion: PASS			

2.4G:

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

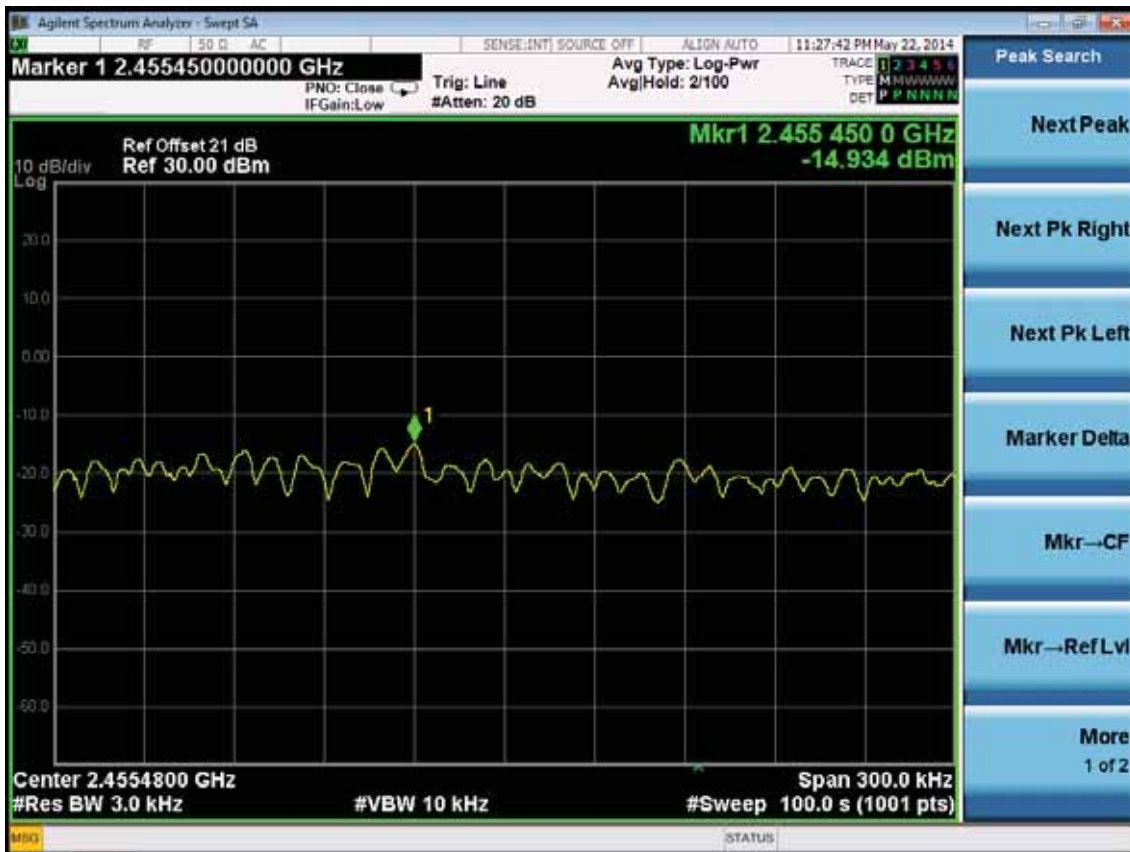
Test CH1: 2422MHz



Test CH4: 2437MHz



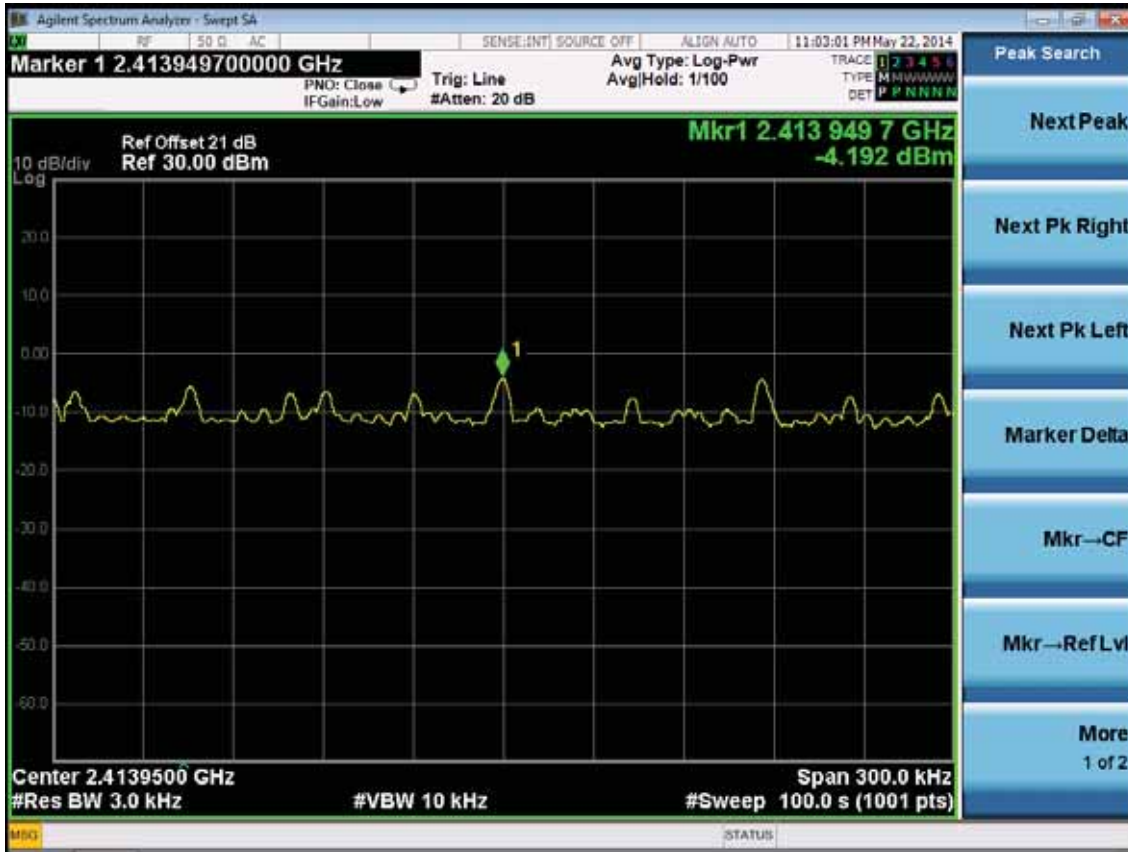
Test CH7: 2452MHz



ANT 1:

Test Mode: IEEE 802.11b TX

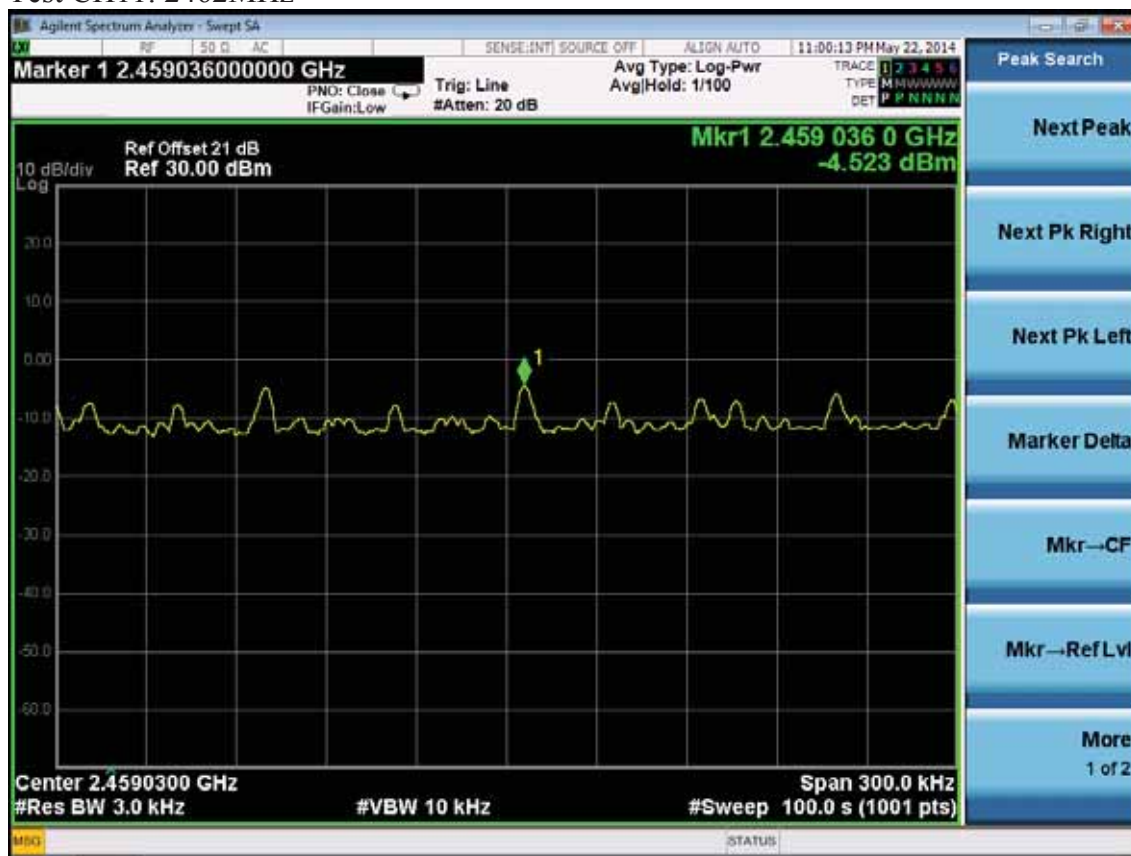
Test CH1: 2412MHz



Test CH6: 2437MHz



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



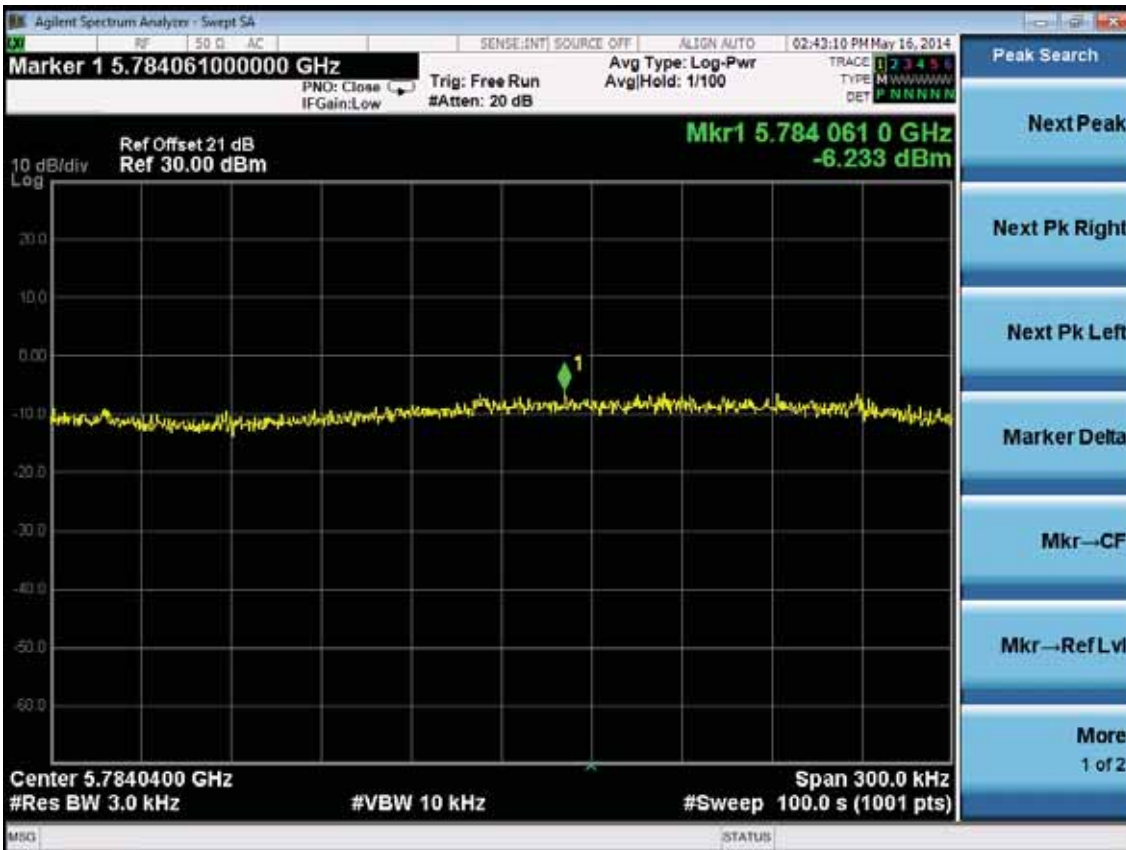
UNII Band 4:

Test Mode: IEEE 802.11a TX

Test CH149: 5745MHz



Test CH157: 5785MHz

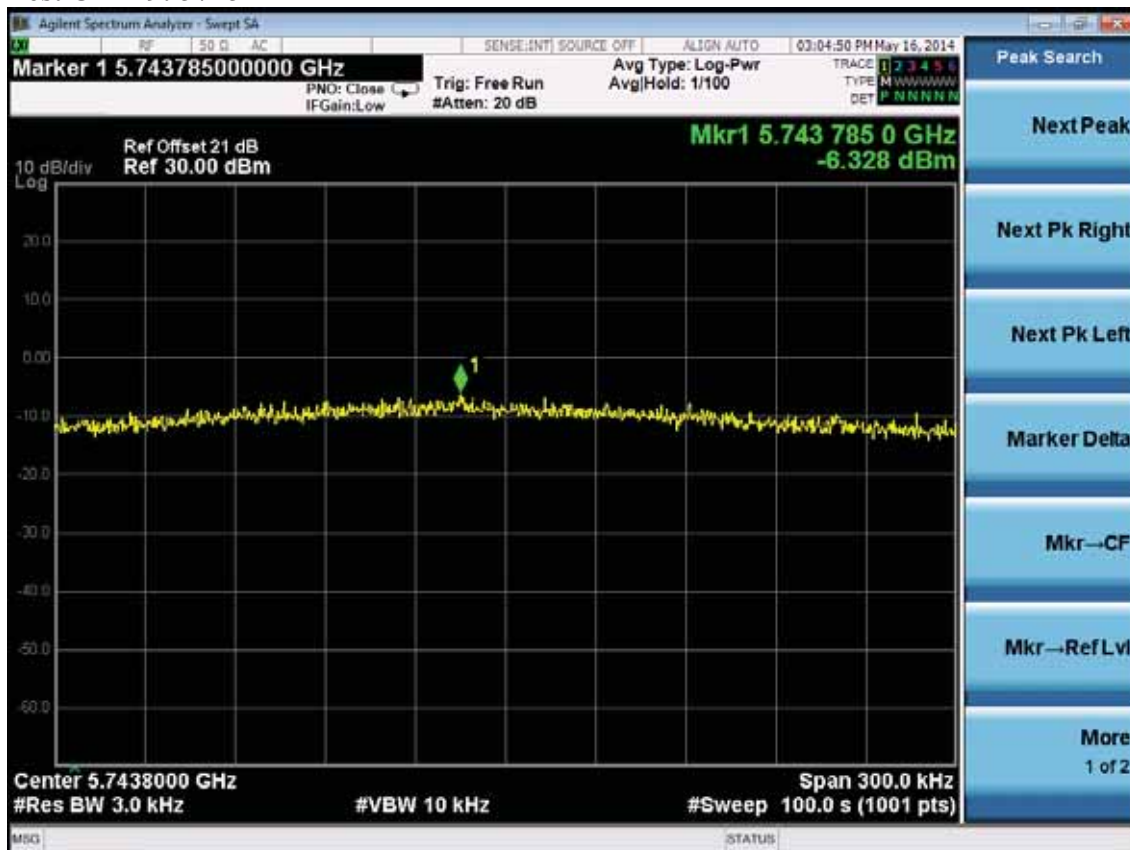


Test CH165: 5825MHz

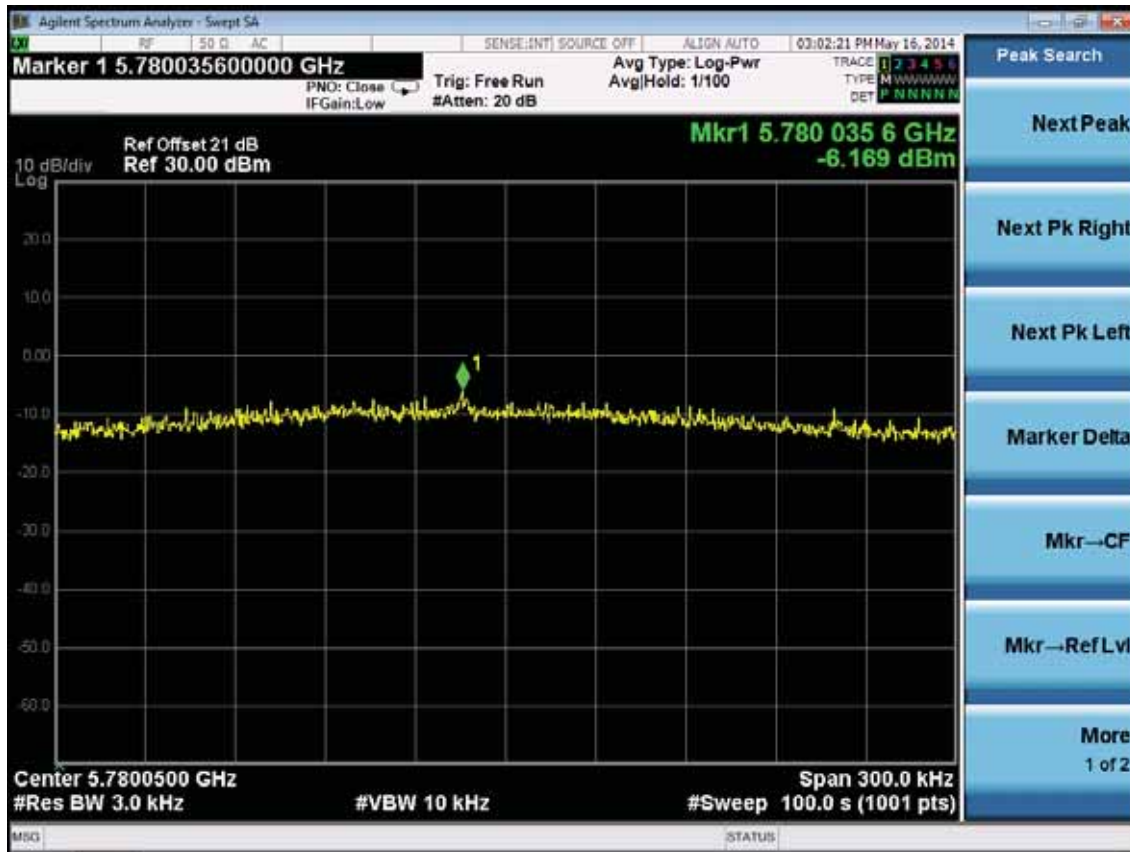


Test Mode: IEEE 802.11n HT20 TX

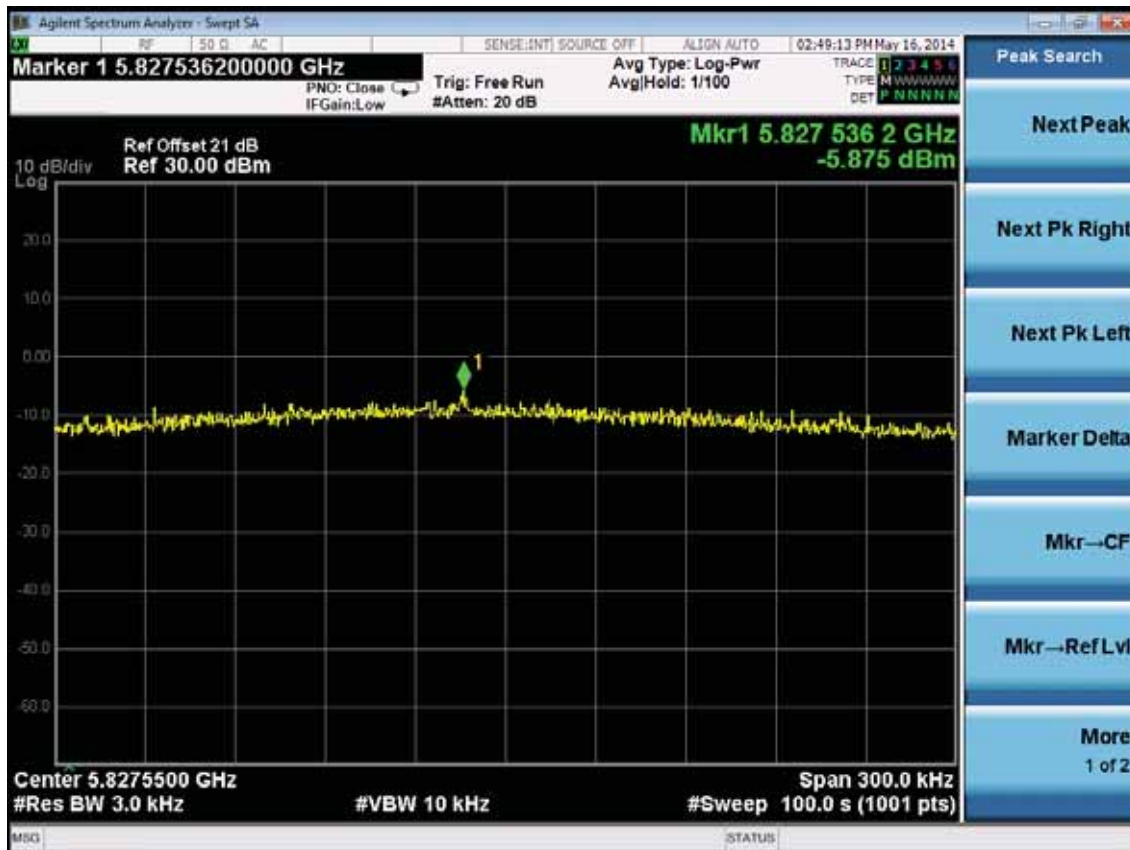
Test CH149: 5745MHz



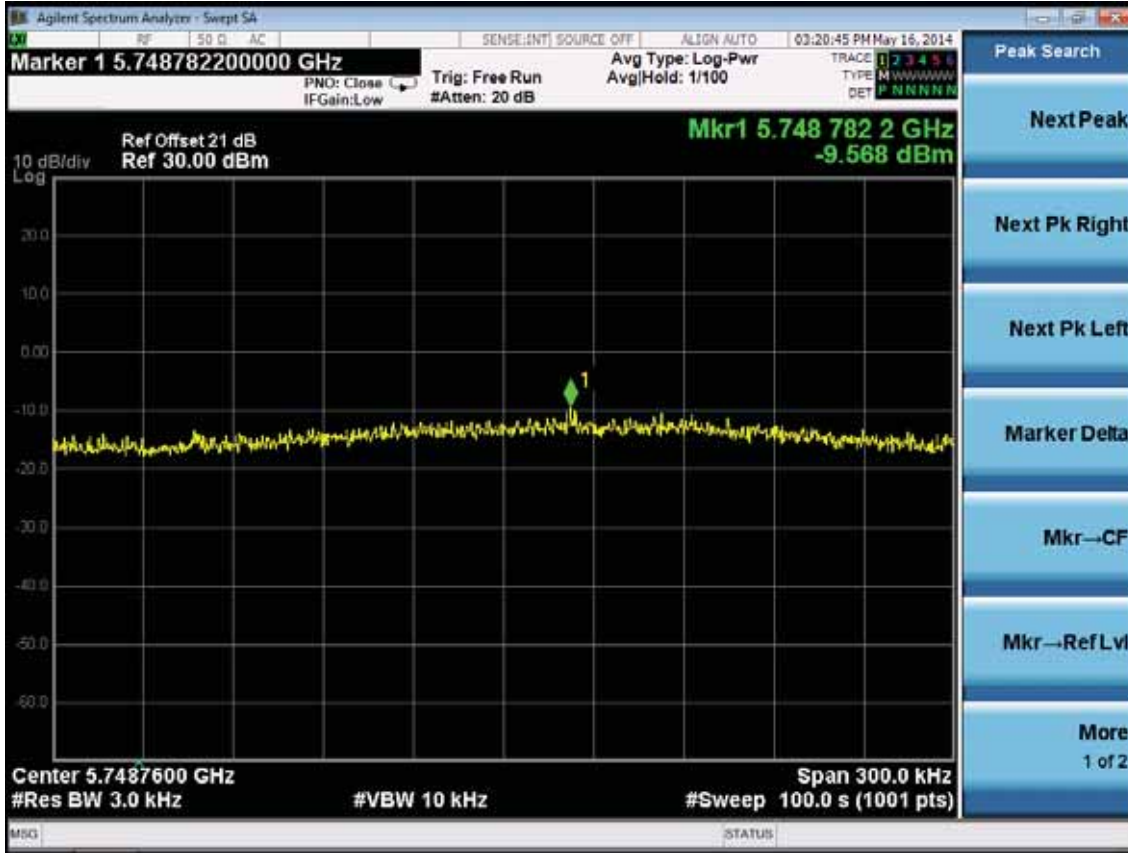
Test CH157: 5785MHz



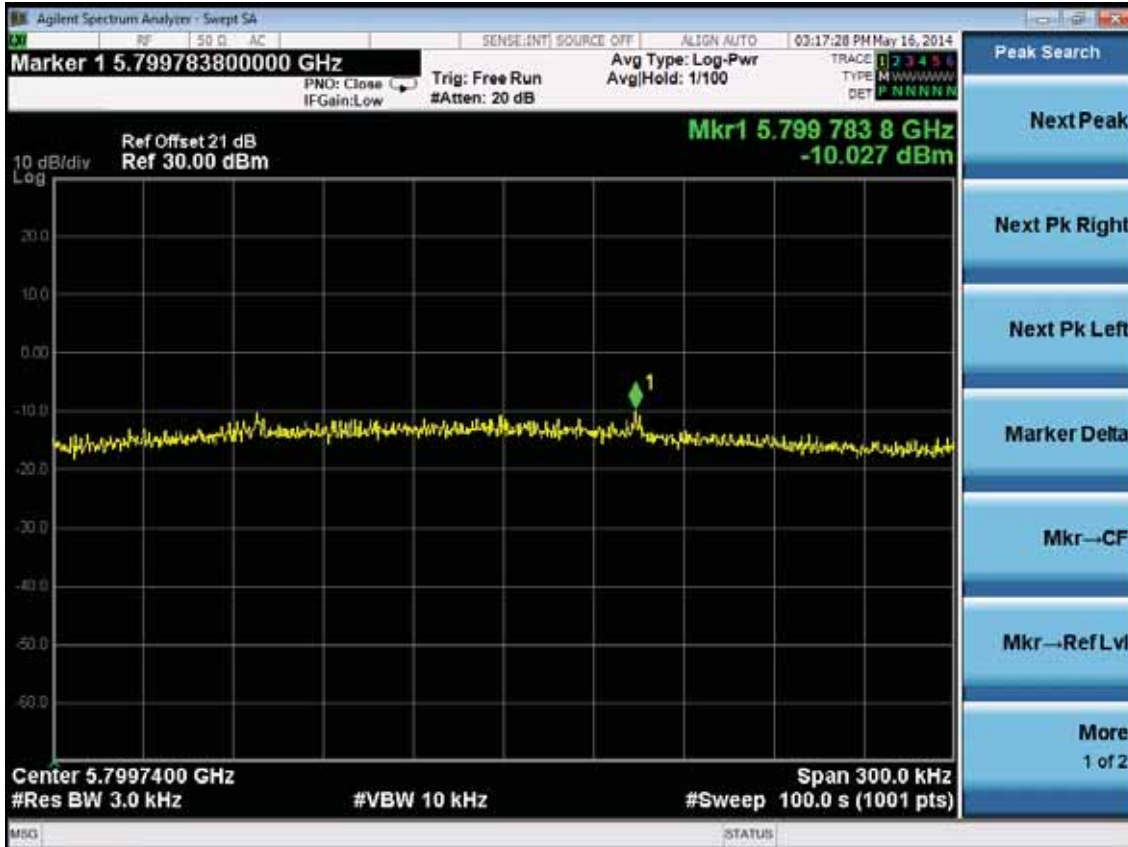
Test CH165: 5825MHz



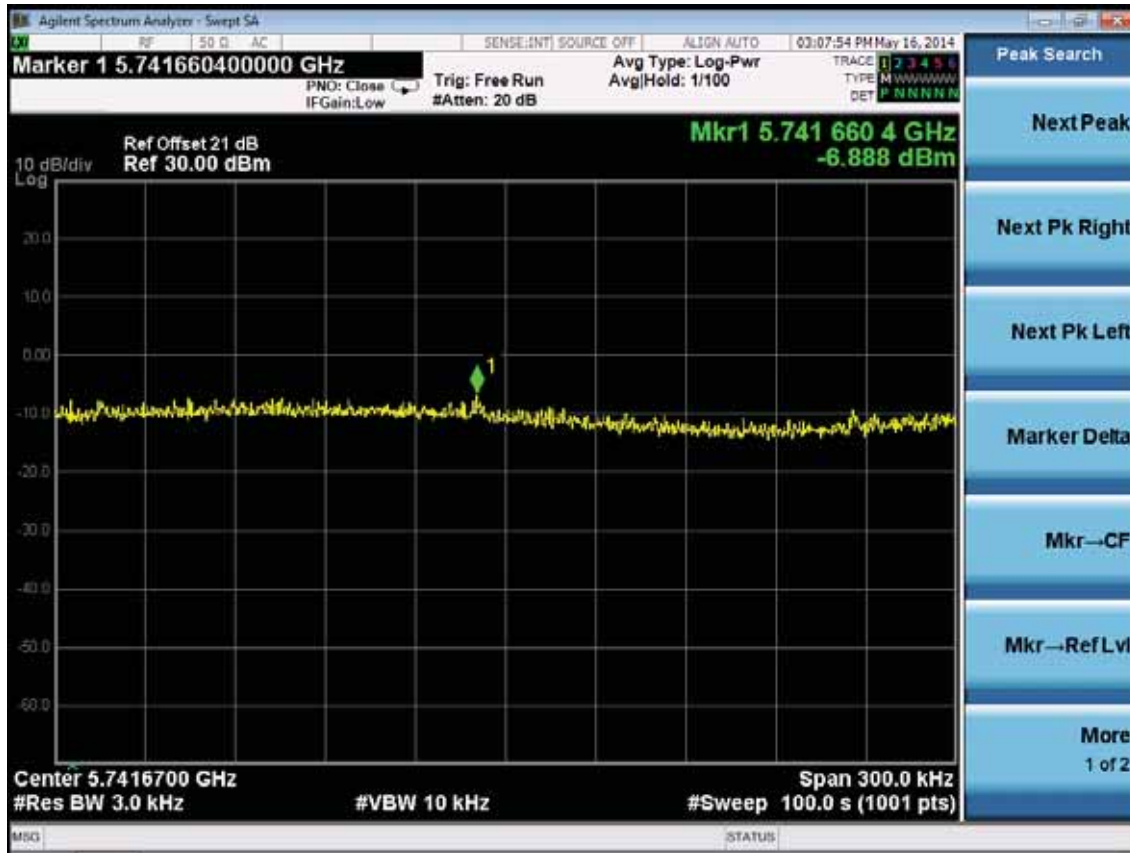
Test Mode: IEEE 802.11n HT40 TX
Test CH151: 5755MHz



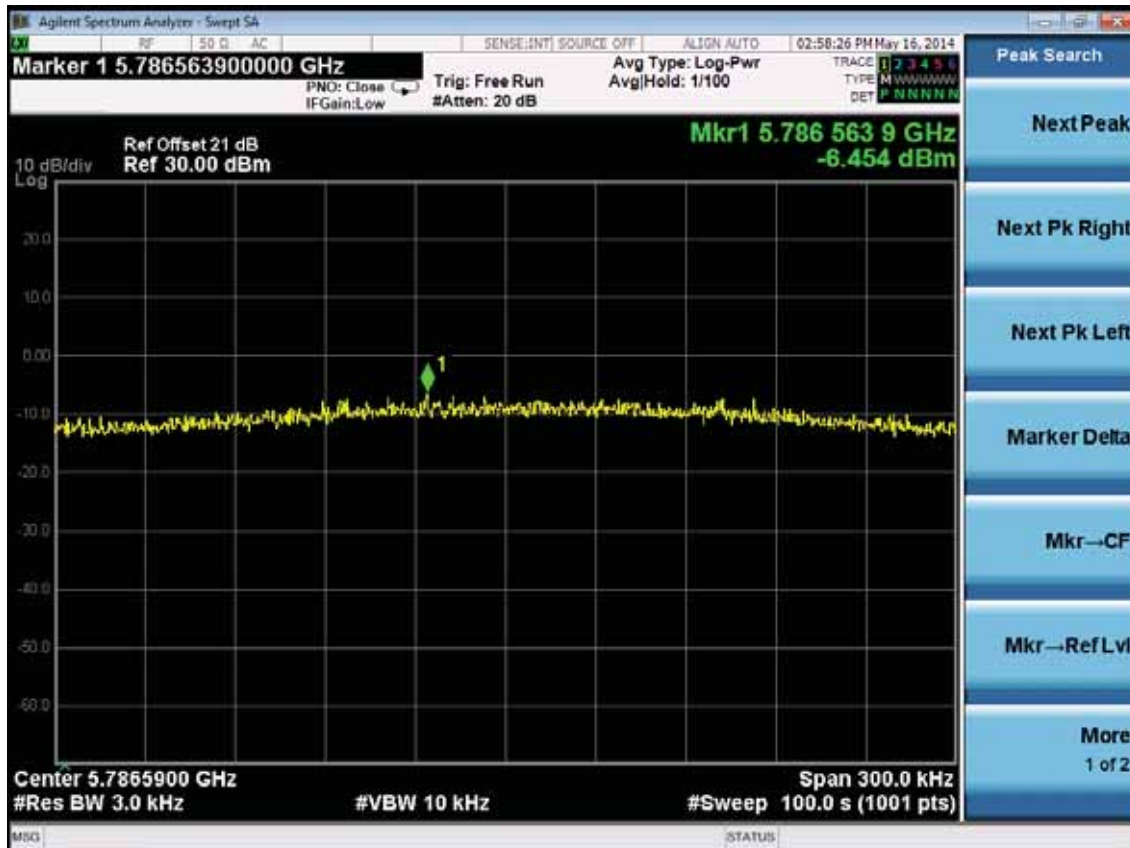
Test CH159: 5795MHz



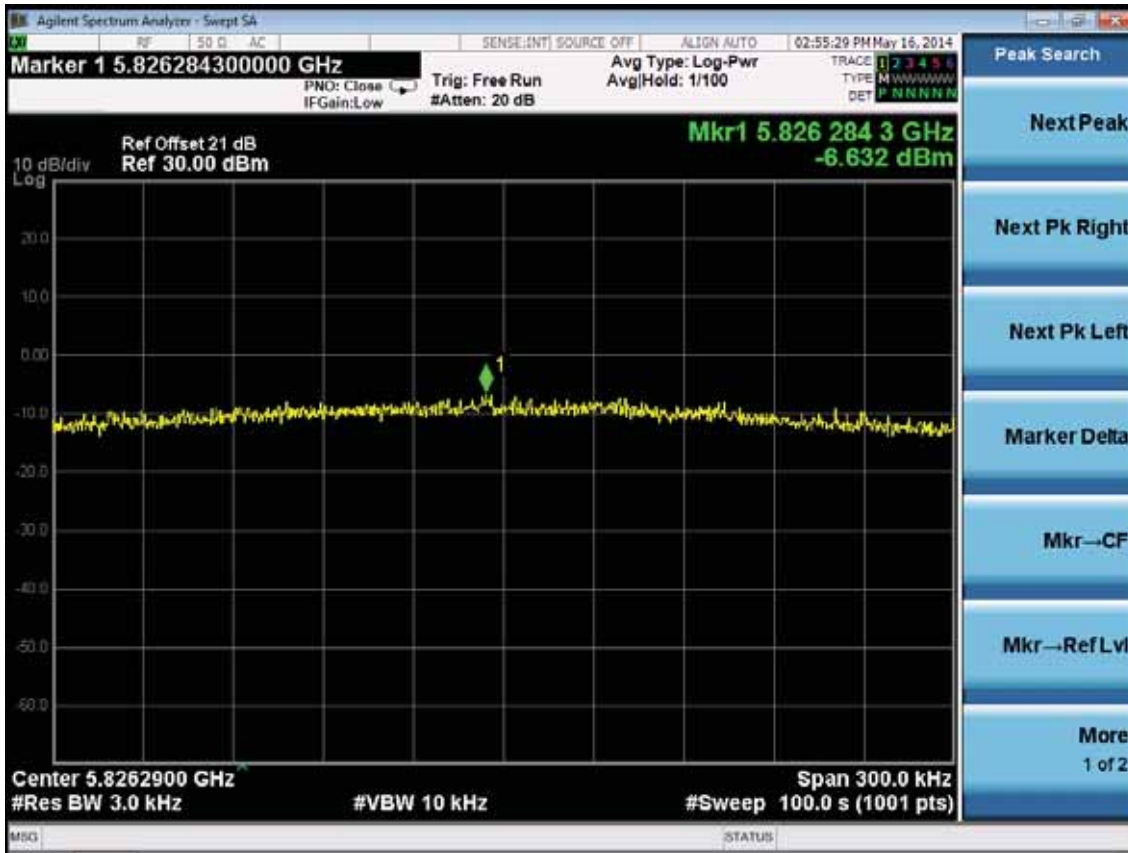
Test Mode: IEEE 802.11ac VHT20 TX
 Test CH149: 5745MHz



Test CH157: 5785MHz

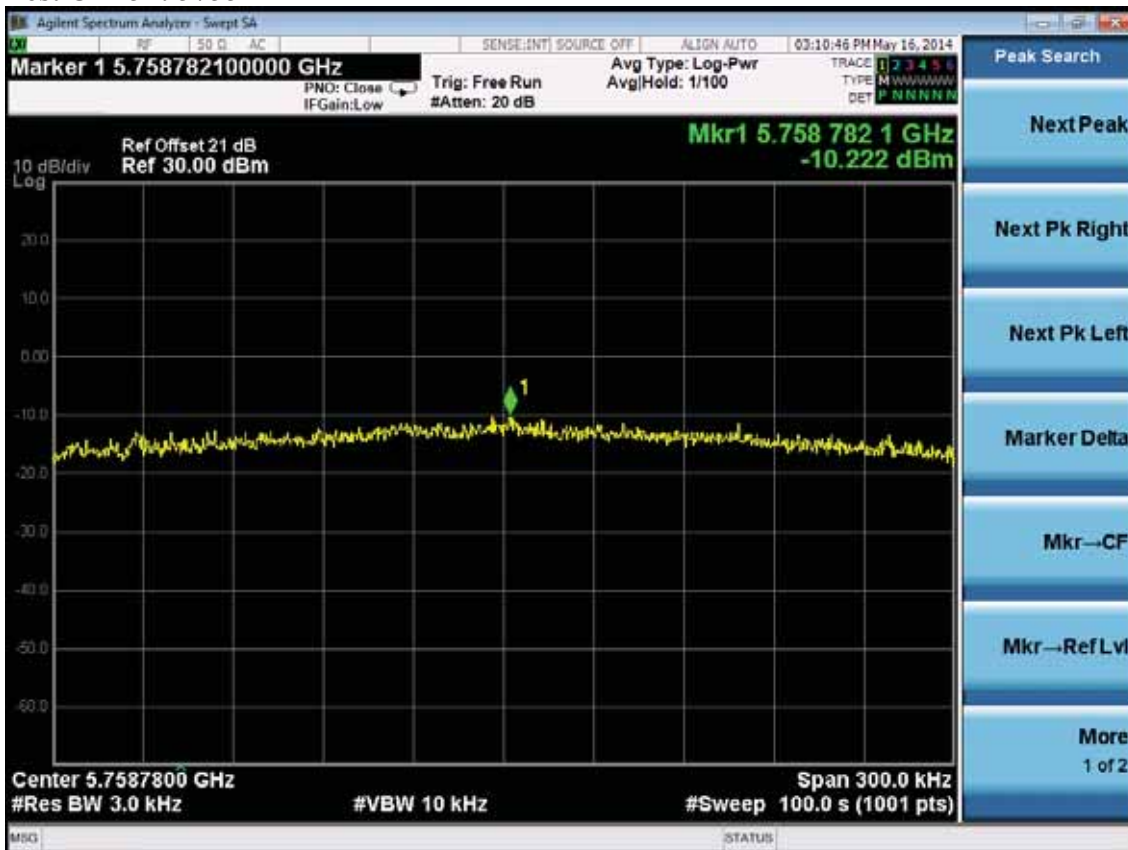


Test CH165: 5825MHz

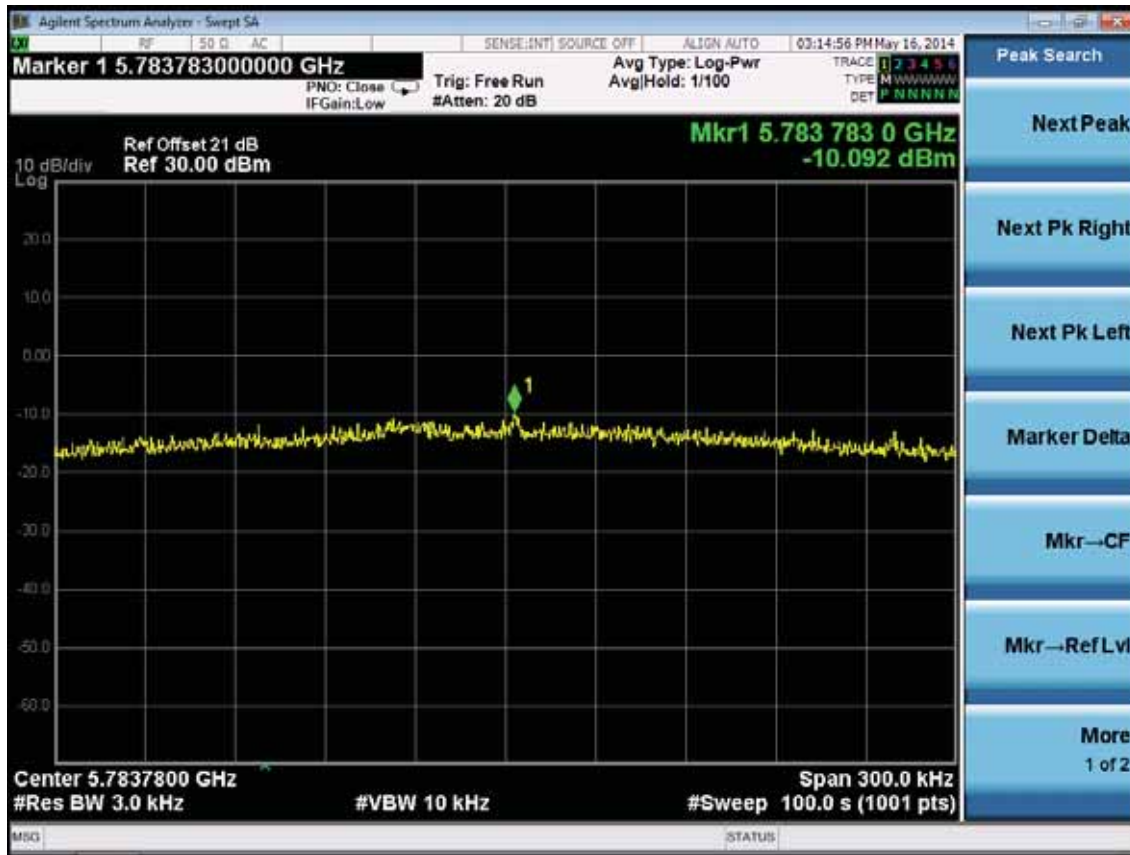


Test Mode: IEEE 802.11ac VHT40TX

Test CH151: 5755MHz

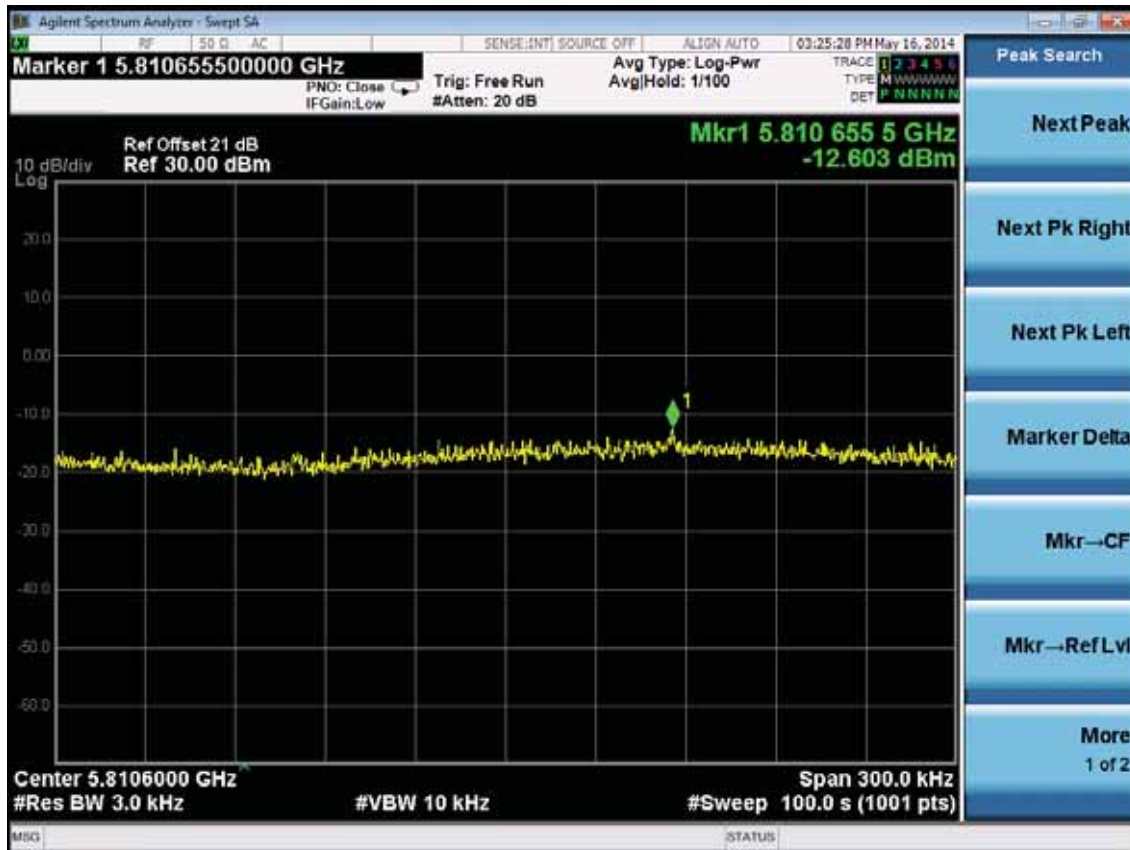


Test CH159: 5795MHz



Test Mode: IEEE 802.11ac VHT80TX

Test CH155: 5775MHz



10.MPE ESTIMATION

10.1.Limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/ cm ²)	Averaging time(minutes)
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

Frequency(MHz)	Power density (mW/ cm ²)	Averaging time(minutes)
2412	1	30
2437	1	30
2462	1	30

Note: F= Frequency in MHz

10.2. Estimation Result

2.4GHz

EUT:AC750 Wireless Dual Band Router		
M/N:C20i		
Test date: 2014-06-07	Pressure: 101.2±1.0 kpa	Humidity: 48.4±3.0%
Tested by: Kevin_Hu	Test site: RF site	Temperature:20.7±0.6 °C

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 2dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	25.98	396.28	2	1.58	0.1250
	CH6	2437	25.83	382.82	2	1.58	0.1208
	CH11	2462	25.76	376.70	2	1.58	0.1188
11g	CH1	2412	26.79	477.53	2	1.58	0.1506
	CH6	2437	29.14	820.35	2	1.58	0.2588
	CH11	2462	25.00	316.23	2	1.58	0.0998
11n HT20	CH1	2412	26.98	498.88	2	1.58	0.1574
	CH6	2437	28.57	719.45	2	1.58	0.2270
	CH11	2462	25.17	328.85	2	1.58	0.1037
11n HT40	CH3	2422	24.44	277.97	2	1.58	0.0877
	CH6	2437	28.61	726.11	2	1.58	0.2291
	CH9	2452	23.34	215.77	2	1.58	0.0681

$$MPE = \frac{PG}{4\pi R^2} \quad (R=20cm)$$

UNII Band 4:

EUT:AC750 Wireless Dual Band Router		
M/N:C20i		
Test date: 2014-06-07	Pressure: 101.6±1.0 kpa	Humidity: 48.4±3.0%
Tested by: Kevin_Hu	Test site: RF site	Temperature:22.7±0.6 °C

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 3.5dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11a	CH149	5745	26.21	417.83	3.5	2.24	0.1862
	CH157	5785	26.15	412.10	3.5	2.24	0.1836
	CH165	5825	26.11	408.32	3.5	2.24	0.1819
11n HT20	CH149	5745	26.14	411.15	3.5	2.24	0.1832
	CH157	5785	26.63	460.26	3.5	2.24	0.2051
	CH165	5825	26.31	427.56	3.5	2.24	0.1905
11n HT40	CH151	5755	26.61	458.14	3.5	2.24	0.2042
	CH159	5795	26.45	441.57	3.5	2.24	0.1968
11ac VHT20	CH149	5745	26.14	411.15	3.5	2.24	0.1832
	CH157	5785	26.04	401.79	3.5	2.24	0.1790
	CH165	5825	26.72	469.89	3.5	2.24	0.2094
11ac VHT40	CH151	5755	26.47	443.61	3.5	2.24	0.1977
	CH159	5795	26.75	473.15	3.5	2.24	0.2108
11ac VHT80	CH155	5775	26.25	421.70	3.5	2.24	0.1879

$$MPE = \frac{PG}{4\pi R^2}$$

11. ANTENNA REQUIREMENT

11.1. STANDARD APPLICABLE

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

11.2. ANTENNA CONNECTED CONSTRUCTION

The antennas used for this product are dipole antenna that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is 3.5dBi.

12.DEVIATION TO TEST SPECIFICATIONS

[NONE]