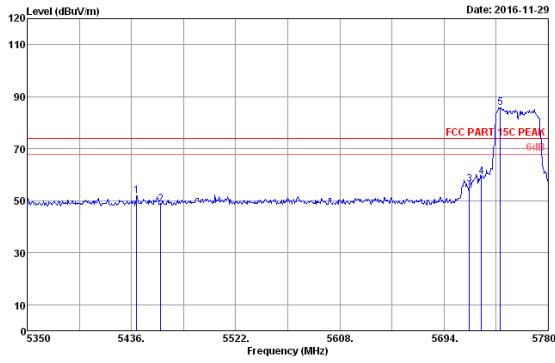
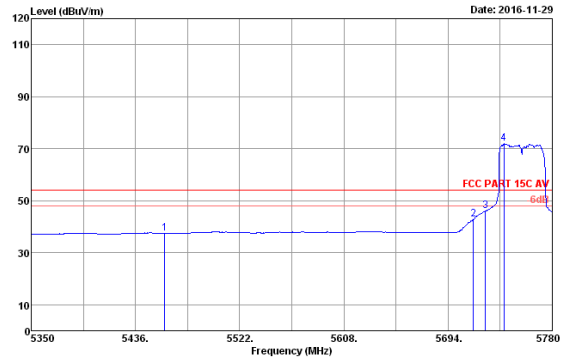




Site no. : 3m Chamber Data no. : 85
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK Pre : 101.2kPa
 Env. / Ins. : 23.6C/54.0W Engineer : Lynn
 EUT : CaptionCall Wireless Router 2
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11n HT40 5755MHz Tx Mode
 M/N:CR2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5440.30	32.40	11.94	43.07	35.48	51.93	74.00	22.07	Peak
2	5460.00	32.40	11.94	39.89	35.47	48.76	74.00	25.24	Peak
3	5715.00	32.87	11.97	46.87	35.45	56.26	74.00	17.74	Peak
4	5725.00	32.90	11.97	49.88	35.45	59.30	74.00	14.70	Peak
5	5740.44	32.93	11.97	76.42	35.45	85.87	74.00	-11.87	Peak

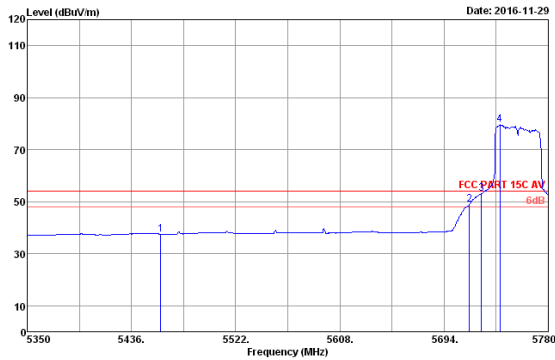
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 86
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV Pre : 101.2kPa
 Env. / Ins. : 23.6C/54.0W Engineer : Lynn
 EUT : CaptionCall Wireless Router 2
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11n HT40 5755MHz Tx Mode
 M/N:CR2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.40	11.94	28.63	35.47	37.50	54.00	16.50	Average
2	5715.00	32.87	11.97	33.51	35.45	42.90	54.00	11.10	Average
3	5725.00	32.90	11.97	36.55	35.45	45.97	54.00	8.03	Average
4	5740.01	32.93	11.97	62.44	35.45	71.89	54.00	-17.89	Average

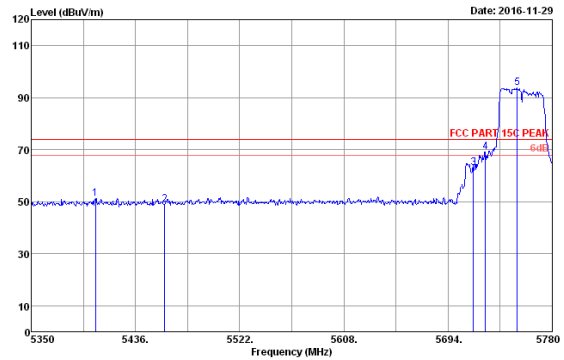
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 87
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV Pre : 101.2kPa
 Env. / Ins. : 23.6C/54.0W Engineer : Lynn
 EUT : CaptionCall Wireless Router 2
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11n HT40 5755MHz Tx Mode
 M/N:CR2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.40	11.94	28.70	35.47	37.57	54.00	16.43	Average
2	5715.00	32.87	11.97	39.68	35.45	49.07	54.00	4.93	Average
3	5725.00	32.90	11.97	43.80	35.45	53.22	54.00	0.78	Average
4	5740.01	32.93	11.97	70.16	35.45	79.61	54.00	-25.61	Average

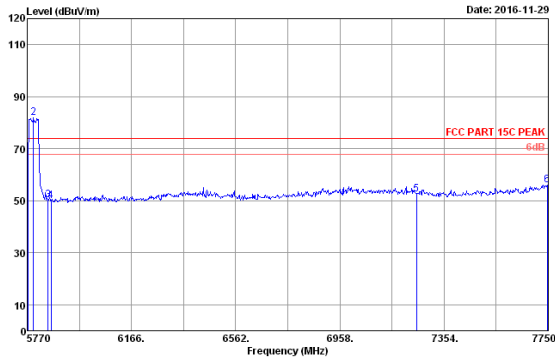
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 88
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK Pre : 101.2kPa
 Env. / Ins. : 23.6C/54.0W Engineer : Lynn
 EUT : CaptionCall Wireless Router 2
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11n HT40 5755MHz Tx Mode
 M/N:CR2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5402.89	32.40	11.94	42.23	35.50	51.07	74.00	22.93	Peak
2	5460.00	32.40	11.94	40.21	35.47	49.08	74.00	24.92	Peak
3	5715.00	32.87	11.97	53.73	35.45	63.12	74.00	10.88	Peak
4	5725.00	32.90	11.97	59.74	35.45	69.16	74.00	4.84	Peak
5	5751.19	32.95	11.97	84.17	35.45	93.64	74.00	-19.64	Peak

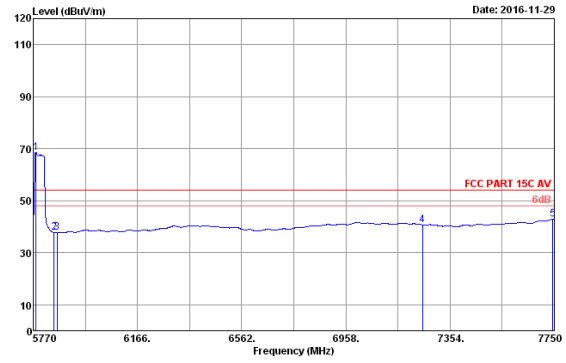
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 95
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK Pre : 101.2kPa
 Env. / Ins. : 23.6°C/54.0% Engineer : Lynn
 EUT : CaptionCall Wireless Router 2
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11n HT40 5795MHz Tx Mode
 M/N:CR2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5771.98	33.00	11.97	51.25	35.45	60.77	74.00	13.23	Peak
2	5793.76	33.05	11.97	72.23	35.45	81.80	74.00	-7.80	Peak
3	5850.00	33.17	11.98	40.61	35.45	50.11	74.00	23.89	Peak
4	5860.00	33.19	11.98	40.07	35.45	49.79	74.00	24.21	Peak
5	7250.00	35.90	12.48	39.74	35.56	52.56	74.00	21.44	Peak
6	7746.04	36.44	12.78	42.48	35.53	56.15	74.00	17.85	Peak

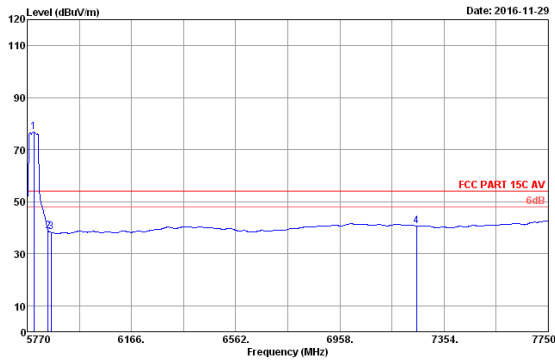
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 96
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV Pre : 101.2kPa
 Env. / Ins. : 23.6°C/54.0% Engineer : Lynn
 EUT : CaptionCall Wireless Router 2
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11n HT40 5795MHz Tx Mode
 M/N:CR2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5771.98	33.02	11.97	59.04	35.45	68.58	54.00	-14.58	Average
2	5850.00	33.17	11.98	28.13	35.45	37.83	54.00	16.17	Average
3	5860.00	33.19	11.98	28.17	35.45	37.89	54.00	16.11	Average
4	7250.00	35.90	12.48	27.97	35.56	40.79	54.00	13.21	Average
5	7746.06	36.44	12.78	29.08	35.53	42.77	54.00	11.23	Average

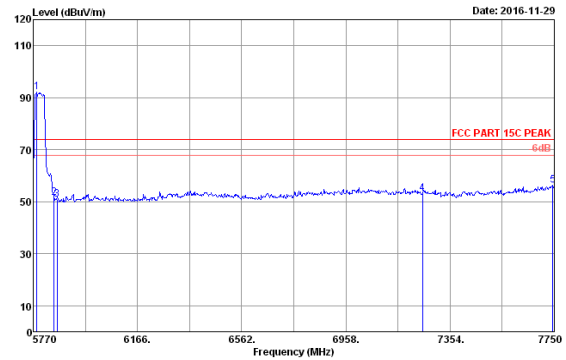
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 97
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV Pre : 101.2kPa
 Env. / Ins. : 23.6°C/54.0% Engineer : Lynn
 EUT : CaptionCall Wireless Router 2
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11n HT40 5795MHz Tx Mode
 M/N:CR2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5795.74	33.05	11.97	67.34	35.45	76.91	54.00	-22.91	Average
2	5850.00	33.17	11.98	29.08	35.45	38.78	54.00	15.22	Average
3	5860.00	33.19	11.98	28.58	35.45	38.27	54.00	15.73	Average
4	7250.00	35.90	12.48	27.93	35.56	40.75	54.00	13.25	Average

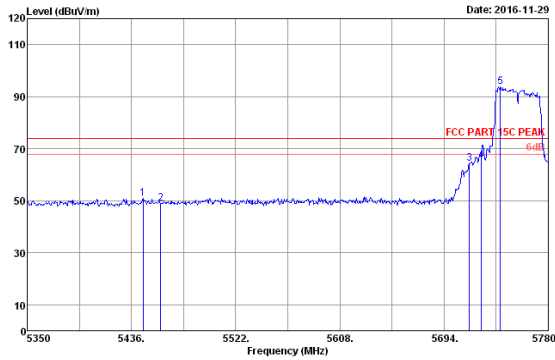
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 98
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK Pre : 101.2kPa
 Env. / Ins. : 23.6°C/54.0% Engineer : Lynn
 EUT : CaptionCall Wireless Router 2
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11n HT40 5795MHz Tx Mode
 M/N:CR2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5783.86	33.02	11.97	82.59	35.45	92.13	74.00	-18.13	Peak
2	5850.00	33.17	11.98	41.87	35.45	51.57	74.00	22.43	Peak
3	5860.00	33.19	11.98	41.21	35.45	50.83	74.00	23.07	Peak
4	7250.00	35.90	12.48	40.24	35.56	53.06	74.00	20.94	Peak
5	7746.06	36.44	12.78	42.66	35.53	56.35	74.00	17.65	Peak

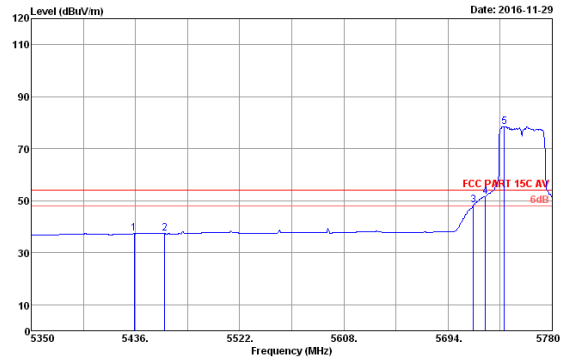
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 105
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK Pre : 101.2kPa
 Env. / Ins. : 23.6C/54.0W Engineer : Lynn
 EUT : CaptionCall Wireless Router 2
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT40 5755MHz Tx Mode
 M/N:CR2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5445.46	32.40	11.94	42.16	35.48	51.02	74.00	22.98	Peak
2	5460.00	32.40	11.94	40.07	35.47	48.94	74.00	25.06	Peak
3	5715.00	32.87	11.97	55.04	35.45	84.43	74.00	9.57	Peak
4	5725.00	32.90	11.97	56.24	35.45	85.66	74.00	8.34	Peak
5	5740.44	32.93	11.97	84.37	35.45	93.82	74.00	-19.82	Peak

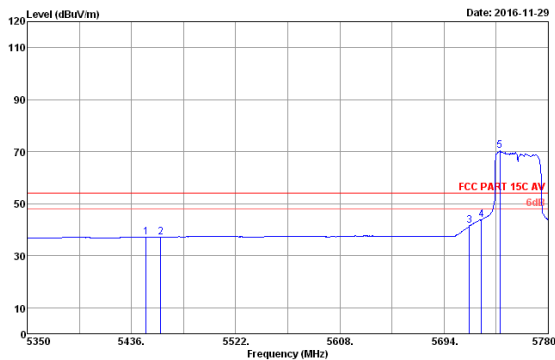
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 106
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV Pre : 101.2kPa
 Env. / Ins. : 23.6C/54.0W Engineer : Lynn
 EUT : CaptionCall Wireless Router 2
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT40 5755MHz Tx Mode
 M/N:CR2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5435.14	32.40	11.94	28.65	35.49	37.50	54.00	16.50	Average
2	5460.00	32.40	11.94	28.41	35.47	37.28	54.00	16.72	Average
3	5715.00	32.87	11.97	38.39	35.45	48.28	54.00	5.72	Average
4	5725.00	32.90	11.97	42.22	35.45	51.64	54.00	2.36	Average
5	5740.44	32.93	11.97	69.08	35.45	78.53	54.00	-24.53	Average

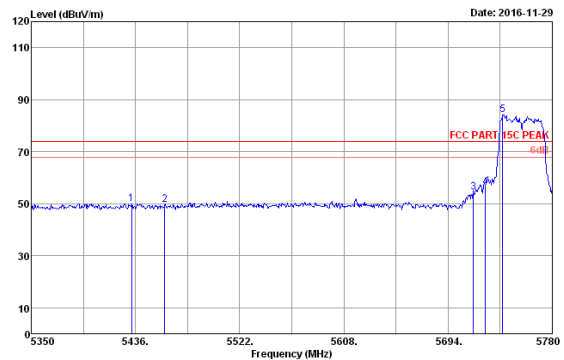
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 107
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV Pre : 101.2kPa
 Env. / Ins. : 23.6C/54.0W Engineer : Lynn
 EUT : CaptionCall Wireless Router 2
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT40 5755MHz Tx Mode
 M/N:CR2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5448.04	32.40	11.94	28.39	35.48	37.25	54.00	16.75	Average
2	5460.00	32.40	11.94	28.28	35.47	37.15	54.00	16.85	Average
3	5715.00	32.87	11.97	32.09	35.45	41.49	54.00	12.52	Average
4	5725.00	32.90	11.97	34.38	35.45	43.80	54.00	10.20	Average
5	5740.01	32.93	11.97	60.93	35.45	70.38	54.00	-16.38	Average

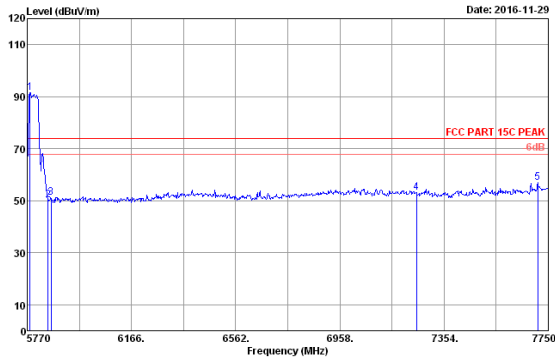
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 108
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK Pre : 101.2kPa
 Env. / Ins. : 23.6C/54.0W Engineer : Lynn
 EUT : CaptionCall Wireless Router 2
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT40 5755MHz Tx Mode
 M/N:CR2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5432.99	32.40	11.94	41.21	35.49	50.06	74.00	23.94	Peak
2	5460.00	32.40	11.94	40.61	35.47	49.48	74.00	24.52	Peak
3	5715.00	32.87	11.97	44.88	35.45	54.27	74.00	19.73	Peak
4	5725.00	32.90	11.97	46.87	35.45	56.29	74.00	17.71	Peak
5	5739.15	32.93	11.97	74.68	35.45	84.13	74.00	-10.13	Peak

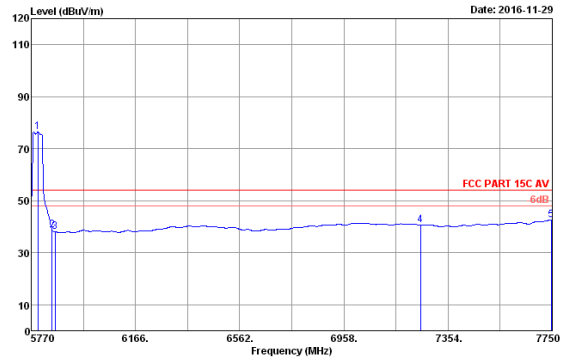
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Ant Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 115
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK Pre : 101.2kPa
 Env. / Ins. : 23.6C/54.0W Engineer : Lynn
 EUT : CaptionCall Wireless Router 2
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT40 5795MHz Tx Mode
 M/N:CR2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5779.90	33.02	11.97	81.96	35.45	91.50	74.00	-17.50	Peak
2	5850.00	33.17	11.98	40.67	35.45	50.37	74.00	23.63	Peak
3	5860.00	33.19	11.98	41.47	35.45	51.19	74.00	22.81	Peak
4	7250.00	35.90	12.48	40.28	35.56	53.10	74.00	20.90	Peak
5	7710.40	36.38	12.77	43.41	35.54	57.02	74.00	16.98	Peak

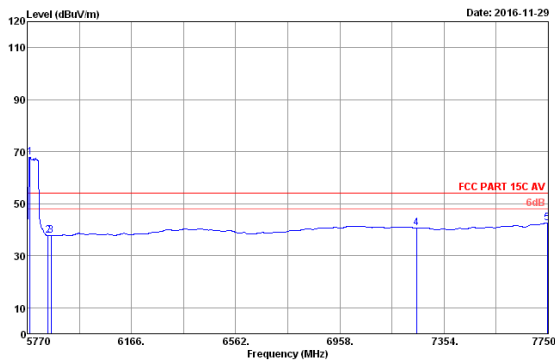
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 116
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV Pre : 101.2kPa
 Env. / Ins. : 23.6C/54.0W Engineer : Lynn
 EUT : CaptionCall Wireless Router 2
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT40 5795MHz Tx Mode
 M/N:CR2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5795.74	33.05	11.97	66.91	35.45	76.48	54.00	-22.48	Average
2	5850.00	33.17	11.98	29.01	35.45	38.71	54.00	15.29	Average
3	5860.00	33.19	11.98	28.43	35.45	38.15	54.00	15.85	Average
4	7250.00	35.90	12.48	27.84	35.56	40.66	54.00	13.34	Average
5	7746.04	36.44	12.78	28.87	35.53	42.56	54.00	11.44	Average

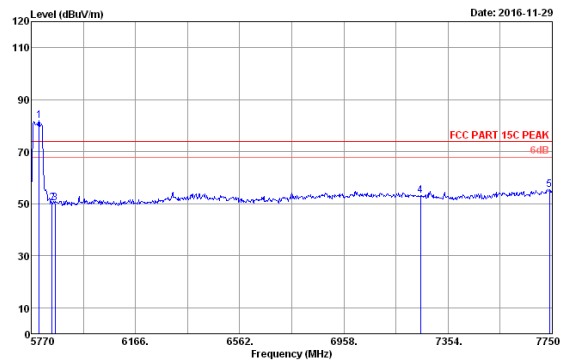
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 117
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV Pre : 101.2kPa
 Env. / Ins. : 23.6C/54.0W Engineer : Lynn
 EUT : CaptionCall Wireless Router 2
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT40 5795MHz Tx Mode
 M/N:CR2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5779.90	33.02	11.97	58.41	35.45	67.95	54.00	-13.95	Average
2	5850.00	33.17	11.98	28.03	35.45	37.73	54.00	16.27	Average
3	5860.00	33.19	11.98	28.09	35.45	37.81	54.00	16.19	Average
4	7250.00	35.90	12.48	27.82	35.56	40.64	54.00	13.36	Average
5	7746.04	36.44	12.78	28.93	35.53	42.62	54.00	11.38	Average

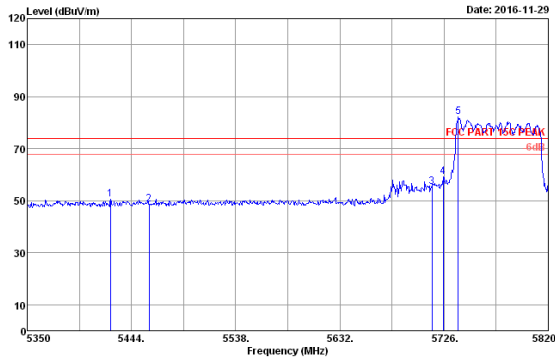
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 118
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK Pre : 101.2kPa
 Env. / Ins. : 23.6C/54.0W Engineer : Lynn
 EUT : CaptionCall Wireless Router 2
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT40 5795MHz Tx Mode
 M/N:CR2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5799.70	33.06	11.97	72.29	35.45	81.87	74.00	-7.87	Peak
2	5850.00	33.17	11.98	40.39	35.45	50.09	74.00	23.91	Peak
3	5860.00	33.19	11.98	40.45	35.45	50.17	74.00	23.83	Peak
4	7250.00	35.90	12.48	40.23	35.56	53.05	74.00	20.95	Peak
5	7740.10	36.43	12.78	41.70	35.53	55.38	74.00	18.62	Peak

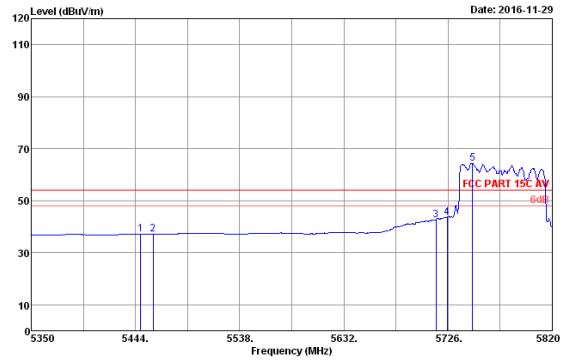
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 125
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK Pre : 101.2kPa
 Env. / Ins. : 23.6C/54.0W Engineer : Lynn
 EUT : CaptionCall Wireless Router 2
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT80 5775MHz Tx Mode
 M/N:CR2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5425.20	32.40	11.94	41.66	35.49	50.51	74.00	23.49	Peak
2	5460.00	32.40	11.94	39.66	35.47	48.53	74.00	25.47	Peak
3	5715.00	32.87	11.97	46.06	35.45	56.45	74.00	18.55	Peak
4	5725.00	32.90	11.97	49.75	35.45	59.17	74.00	14.83	Peak
5	5738.69	32.93	11.97	72.82	35.45	82.27	74.00	-8.27	Peak

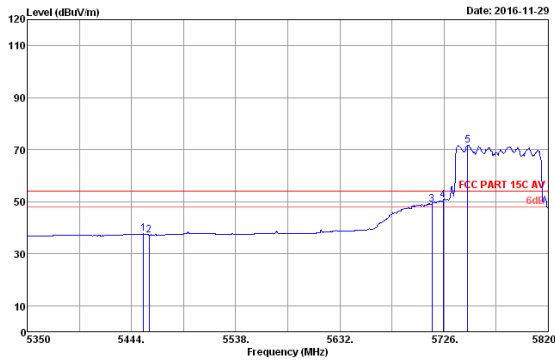
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 126
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV Pre : 101.2kPa
 Env. / Ins. : 23.6C/54.0W Engineer : Lynn
 EUT : CaptionCall Wireless Router 2
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT80 5775MHz Tx Mode
 M/N:CR2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5448.70	32.40	11.94	28.37	35.48	37.23	54.00	16.77	Average
2	5460.00	32.40	11.94	28.24	35.47	37.11	54.00	16.89	Average
3	5715.00	32.87	11.97	33.17	35.45	42.56	54.00	11.44	Average
4	5725.00	32.90	11.97	34.19	35.45	43.61	54.00	10.39	Average
5	5748.09	32.95	11.97	55.00	35.45	64.47	54.00	-10.47	Average

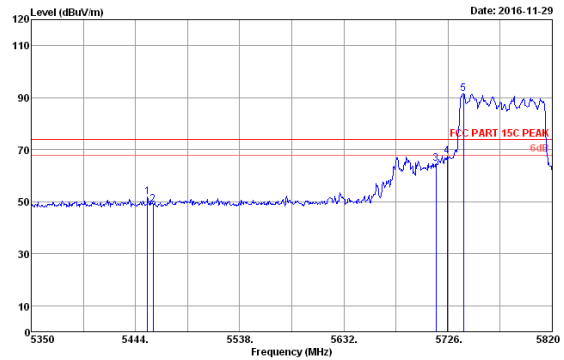
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 127
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV Pre : 101.2kPa
 Env. / Ins. : 23.6C/54.0W Engineer : Lynn
 EUT : CaptionCall Wireless Router 2
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT80 5775MHz Tx Mode
 M/N:CR2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5454.81	32.40	11.94	28.76	35.47	37.26	54.00	16.74	Average
2	5460.00	32.40	11.94	28.39	35.47	37.26	54.00	16.74	Average
3	5715.00	32.87	11.97	39.66	35.45	49.05	54.00	4.95	Average
4	5725.00	32.90	11.97	41.10	35.45	50.52	54.00	3.48	Average
5	5747.15	32.94	11.97	62.19	35.45	71.65	54.00	-17.65	Average

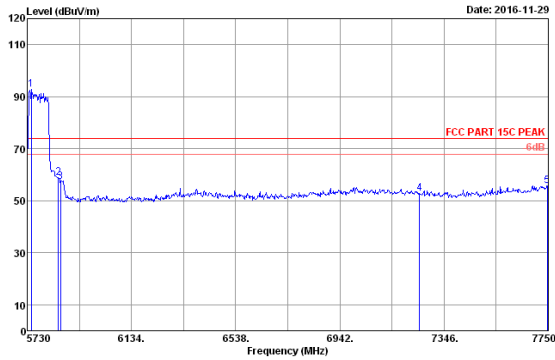
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 128
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK Pre : 101.2kPa
 Env. / Ins. : 23.6C/54.0W Engineer : Lynn
 EUT : CaptionCall Wireless Router 2
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT80 5775MHz Tx Mode
 M/N:CR2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5454.81	32.40	11.94	42.83	35.47	51.70	74.00	22.30	Peak
2	5460.00	32.40	11.94	40.13	35.47	49.00	74.00	25.00	Peak
3	5715.00	32.87	11.97	55.22	35.45	64.61	74.00	9.39	Peak
4	5725.00	32.90	11.97	57.96	35.45	67.38	74.00	6.62	Peak
5	5740.10	32.93	11.97	82.19	35.45	91.64	74.00	-17.64	Peak

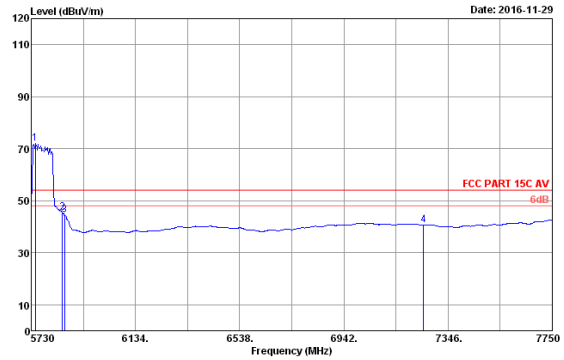
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 129
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK Pre : 101.2kPa
 Env. / Ins. : 23.6°C/54.0% Engineer : Lynn
 EUT : CaptionCall Wireless Router 2
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT80 5775MHz Tx Mode
 M/N:CR2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5746.16	32.94	11.97	83.41	35.45	92.87	74.00	-18.87	Peak
2	5850.00	33.17	11.98	49.13	35.45	58.83	74.00	15.17	Peak
3	5850.00	33.19	11.98	47.67	35.45	57.39	74.00	16.61	Peak
4	7250.00	35.90	12.48	39.84	35.56	52.66	74.00	21.34	Peak
5	7745.96	36.44	12.78	42.11	35.53	55.80	74.00	18.20	Peak

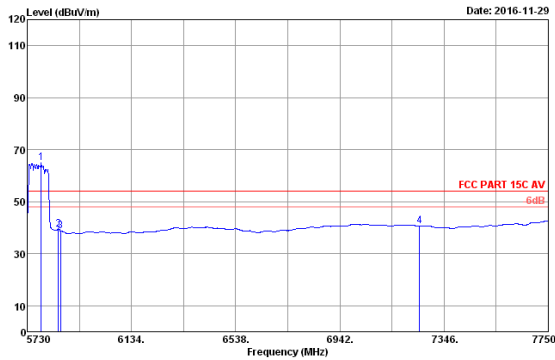
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 130
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV Pre : 101.2kPa
 Env. / Ins. : 23.6°C/54.0% Engineer : Lynn
 EUT : CaptionCall Wireless Router 2
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT80 5775MHz Tx Mode
 M/N:CR2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5746.16	32.94	11.97	62.57	35.45	72.03	54.00	-18.03	Average
2	5850.00	33.17	11.98	36.82	35.45	45.52	54.00	8.48	Average
3	5850.00	33.19	11.98	34.79	35.45	44.51	54.00	9.49	Average
4	7250.00	35.90	12.48	27.79	35.56	40.61	54.00	13.39	Average

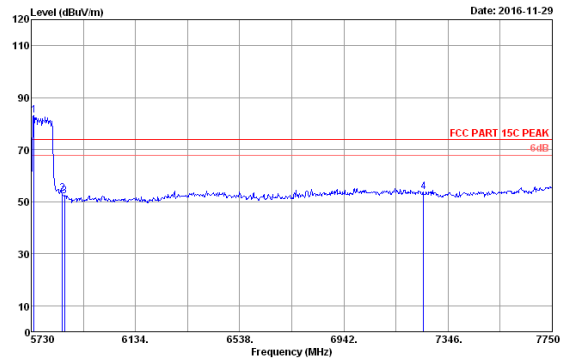
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 131
 Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV Pre : 101.2kPa
 Env. / Ins. : 23.6°C/54.0% Engineer : Lynn
 EUT : CaptionCall Wireless Router 2
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT80 5775MHz Tx Mode
 M/N:CR2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5784.54	33.03	11.97	55.29	35.45	64.84	54.00	-10.84	Average
2	5850.00	33.17	11.98	29.79	35.45	38.49	54.00	15.51	Average
3	5850.00	33.19	11.98	29.02	35.45	38.74	54.00	15.26	Average
4	7250.00	35.90	12.48	27.77	35.56	40.59	54.00	13.41	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 2016 MCTD1209 3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK Pre : 101.2kPa
 Env. / Ins. : 23.6°C/54.0% Engineer : Lynn
 EUT : CaptionCall Wireless Router 2
 Power rating : DC 9V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11ac VHT80 5775MHz Tx Mode
 M/N:CR2

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5740.10	32.93	11.97	73.77	35.45	83.22	74.00	-9.22	Peak
2	5850.00	33.17	11.98	43.57	35.45	53.27	74.00	20.73	Peak
3	5850.00	33.19	11.98	42.55	35.45	52.27	74.00	21.73	Peak
4	7250.00	35.90	12.48	40.89	35.56	53.71	74.00	20.29	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.

6. 6dB&26dB Bandwidth Test

6.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Oct.15,16	1 Year
2.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr.23,16	1 Year
3.	RF Cable	Marvelous Microwave Inc	SFL402105FLEX	NO.1	Oct.15,16	1 Year

6.2.Limit

6dB Bandwidth should be not less than 500kHz

6.3.Test Procedure

6dB Bandwidth:

The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 300 KHz VBW for signal width below 20MHz and 300KHz RBW ,1MHz VBW for Above 20MHz signal Bandwidth.

26dB Bandwidth:

The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 300 KHz VBW The 26dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 26dB.

6.4.Test Results

5180-5240MHz Band:
6dB bandwidth

EUT: CaptionCall Wireless Router 2		
M/N: CR2		
Test date: 2016-11-24	Pressure: 103.1±1.0 kpa	Humidity: 52.3±3.0%
Tested by: Lynn	Test site: RF site	Temperature: 22.7±0.6 °C

Test Mode	CH	6dB bandwidth (MHz)	Limit (KHz)
11a	CH36	16.34	≥ 500
	CH40	16.33	≥ 500
	CH48	16.34	≥ 500
11n HT20	CH36	17.33	≥ 500
	CH40	17.30	≥ 500
	CH48	17.32	≥ 500
11n HT40	CH38	35.70	≥ 500
	CH46	35.98	≥ 500
11ac VHT20	CH36	17.32	≥ 500
	CH40	17.34	≥ 500
	CH48	17.32	≥ 500
11ac VHT40	CH38	35.69	≥ 500
	CH46	36.06	≥ 500
11ac VHT80	CH42	75.37	≥ 500
Conclusion : PASS			

26dB bandwidth

EUT: CaptionCall Wireless Router 2		
M/N: CR2		
Test date: 2016-11-24	Pressure: 103.1±1.0 kpa	Humidity: 52.3±3.0%
Tested by: Lynn	Test site: RF site	Temperature:22.7±0.6 °C

Test Mode	CH	26dB bandwidth (MHz)	Limit (KHz)
11a	CH36	26.39	N/A
	CH40	27.91	N/A
	CH48	20.58	N/A
11n HT20	CH36	25.42	N/A
	CH40	27.91	N/A
	CH48	21.35	N/A
11n HT40	CH38	49.20	N/A
	CH46	54.72	N/A
11ac VHT20	CH36	27.90	N/A
	CH40	29.81	N/A
	CH48	23.20	N/A
11ac VHT40	CH38	51.96	N/A
	CH46	57.30	N/A
11ac VHT80	CH42	101.7	N/A
Conclusion : PASS			

5745-5825MHz Band:
6dB bandwidth

EUT: CaptionCall Wireless Router 2		
M/N: CR2		
Test date: 2016-11-24	Pressure: 102.7±1.0 kpa	Humidity: 53.6±3.0%
Tested by: Lynn	Test site: RF site	Temperature: 23.2±0.6 °C

Test Mode	CH	6dB bandwidth (MHz)	Limit (KHz)
11a	CH149	16.27	≥ 500
	CH157	16.32	≥ 500
	CH165	16.33	≥ 500
11n HT20	CH149	17.32	≥ 500
	CH157	17.05	≥ 500
	CH165	16.95	≥ 500
11n HT40	CH151	35.79	≥ 500
	CH159	35.45	≥ 500
11ac VHT20	CH149	17.06	≥ 500
	CH157	17.06	≥ 500
	CH165	17.07	≥ 500
11ac VHT40	CH151	35.78	≥ 500
	CH159	35.77	≥ 500
11ac VHT80	CH155	75.29	≥ 500
Conclusion : PASS			

26dB bandwidth

EUT: CaptionCall Wireless Router 2		
M/N: CR2		
Test date: 2016-11-24	Pressure: 102.7±1.0 kpa	Humidity: 53.6±3.0%
Tested by: Lynn	Test site: RF site	Temperature:23.2±0.6 °C

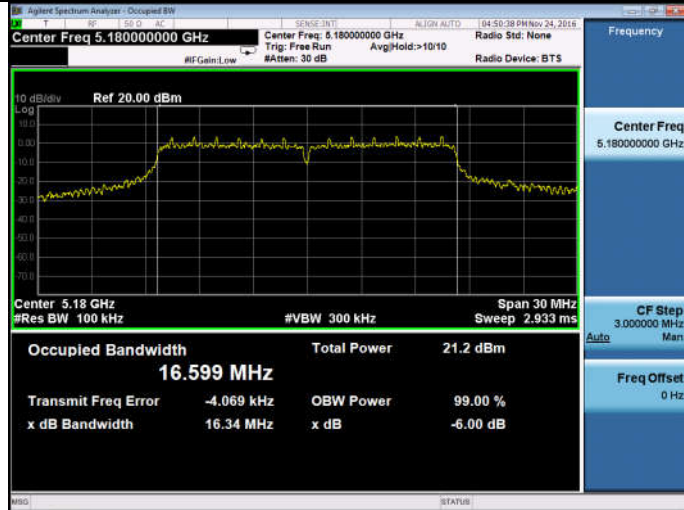
Test Mode	CH	26dB bandwidth (MHz)	Limit (KHz)
11a	CH149	21.37	N/A
	CH157	19.86	N/A
	CH165	19.86	N/A
11n HT20	CH149	21.94	N/A
	CH157	20.33	N/A
	CH165	21.59	N/A
11n HT40	CH151	50.13	N/A
	CH159	40.44	N/A
11ac VHT20	CH149	21.47	N/A
	CH157	20.43	N/A
	CH165	21.09	N/A
11ac VHT40	CH151	50.26	N/A
	CH159	42.08	N/A
11ac VHT80	CH155	100.1	N/A
Conclusion : PASS			

5180-5240MHz Band:

6dB bandwidth

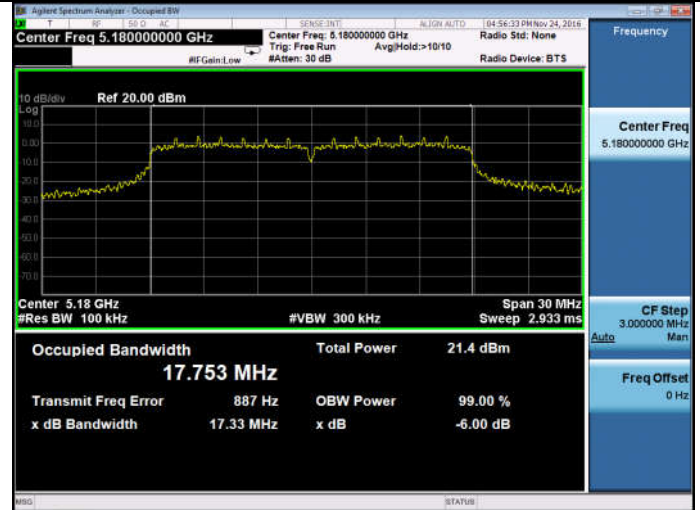
11a

5180MHz

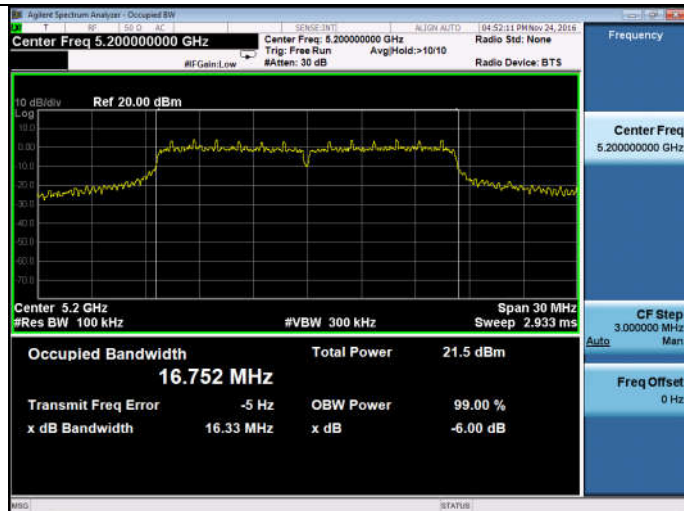


11n HT20

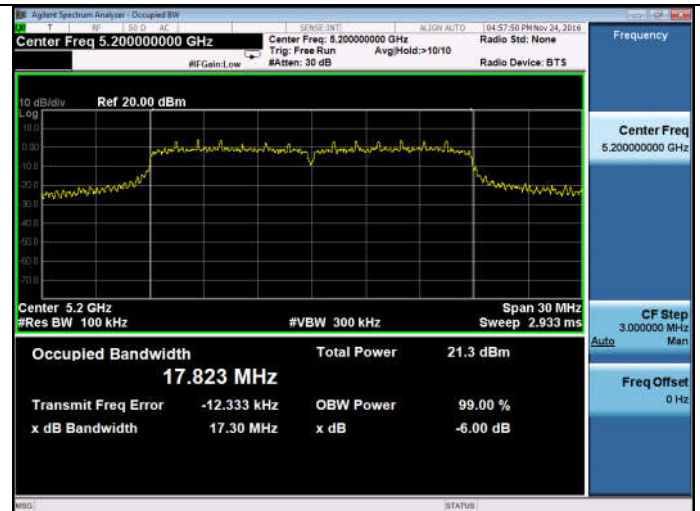
5180MHz



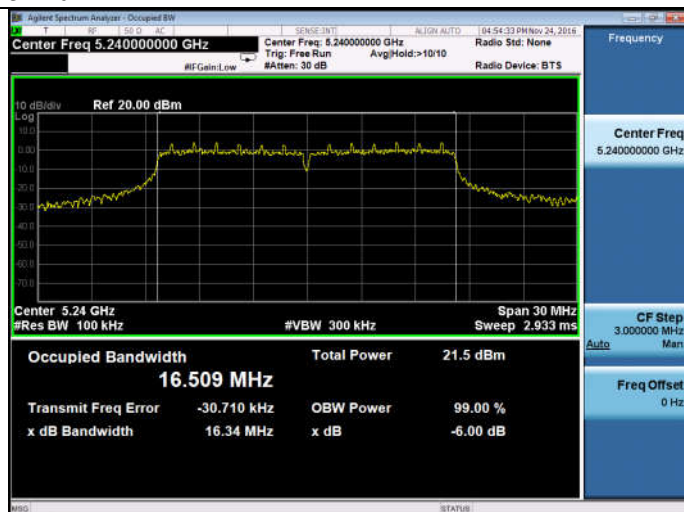
5200MHz



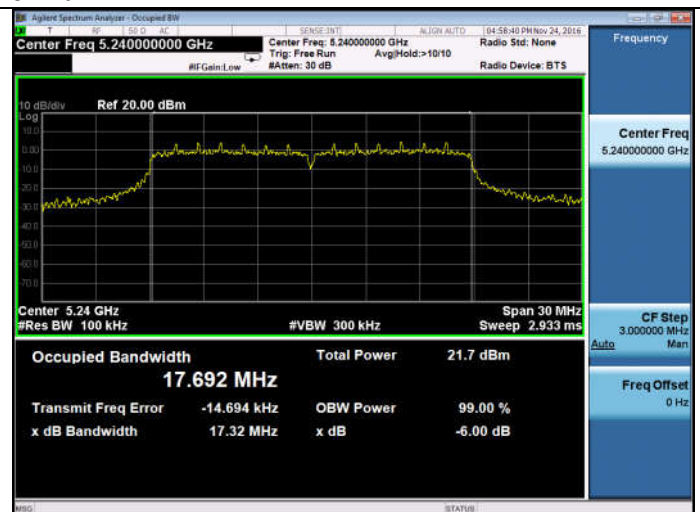
5200MHz



5240MHz

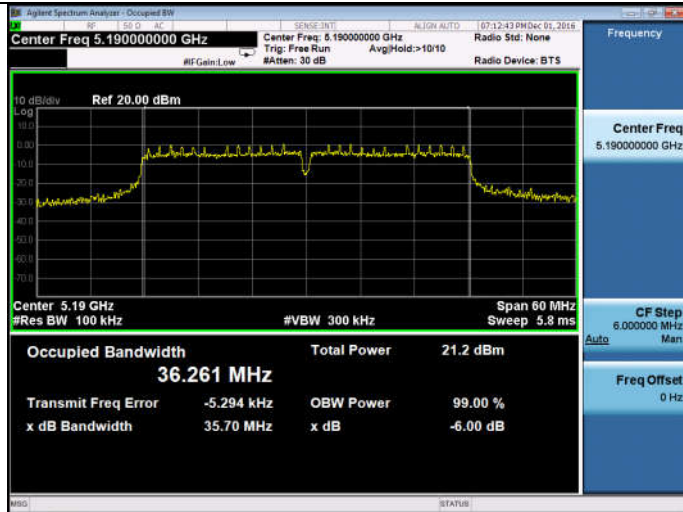


5240MHz

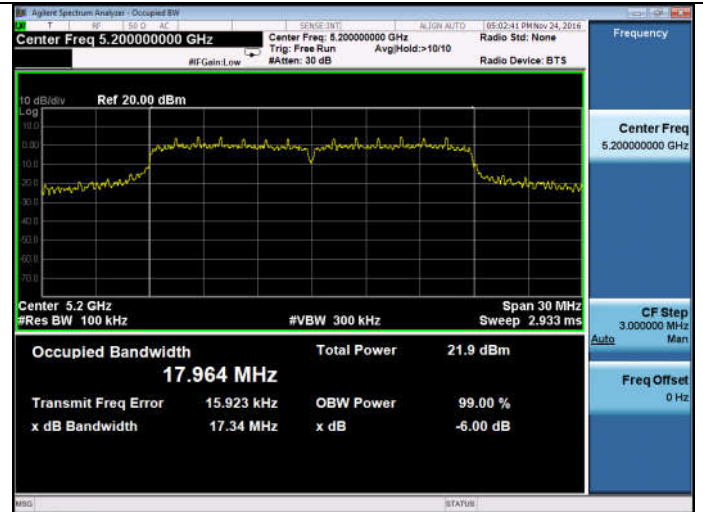


11n HT40

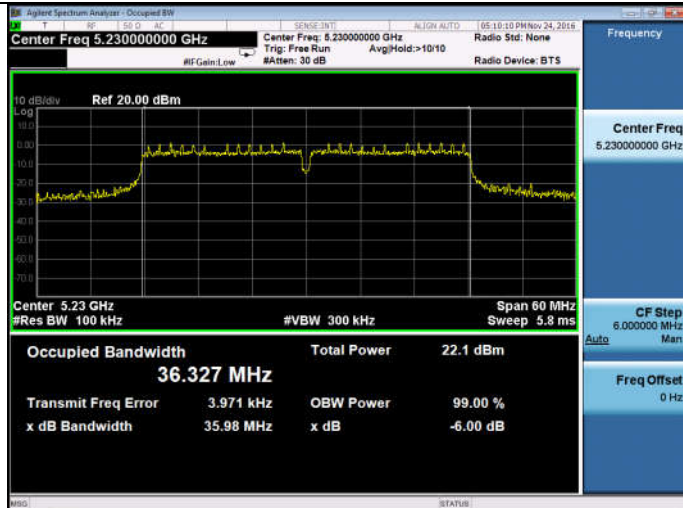
5190MHz



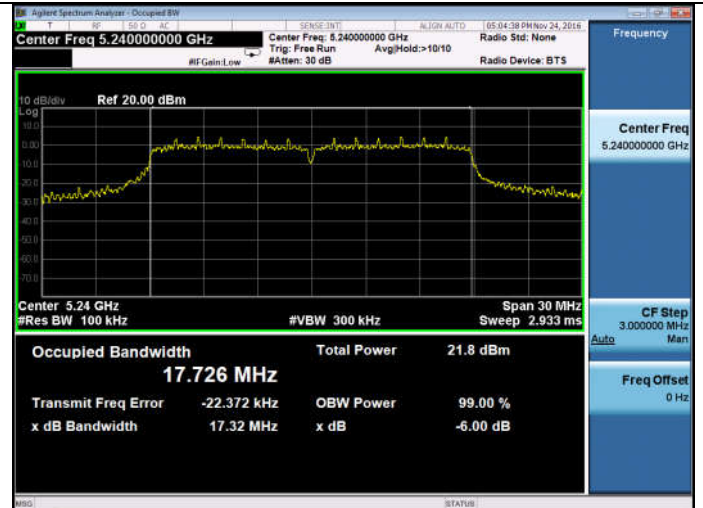
5200MHz



5230MHz

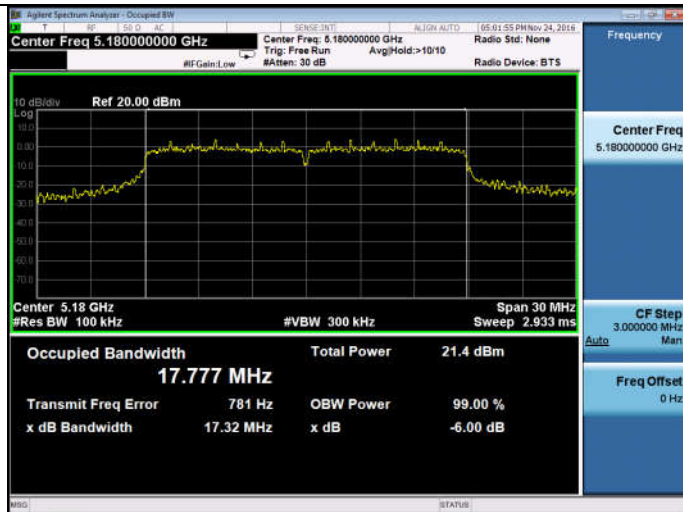


5240MHz



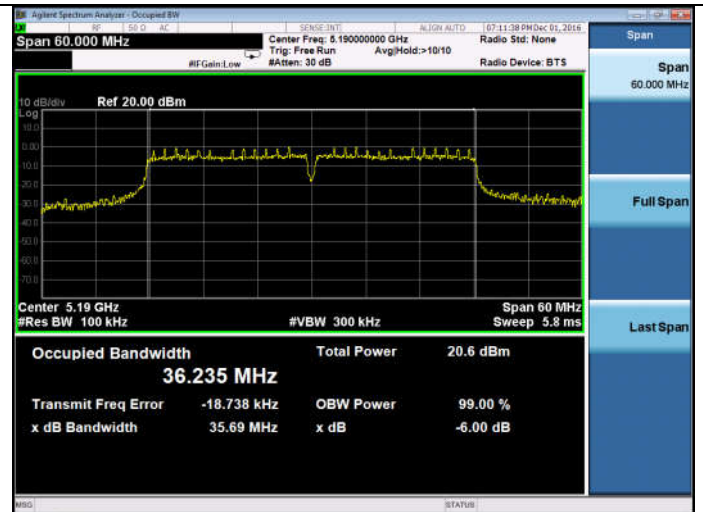
11ac VHT20

5180MHz

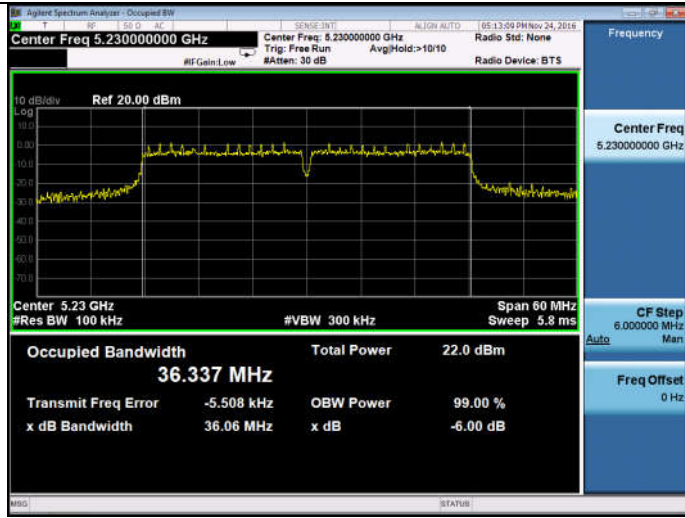


11ac VHT40

5190MHz

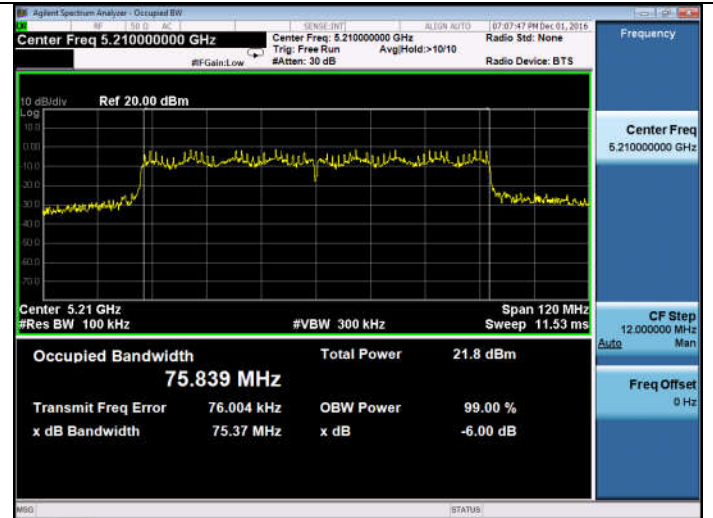


5230MHz



11ac VHT80

5210MHz

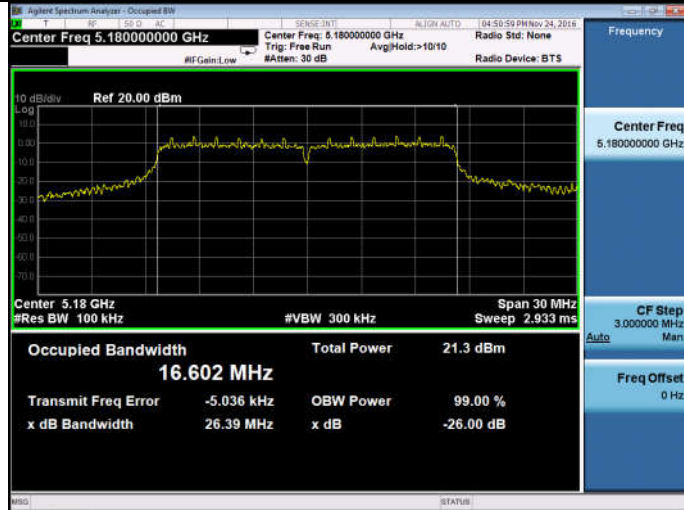


5180-5240MHz Band:

26dB bandwidth

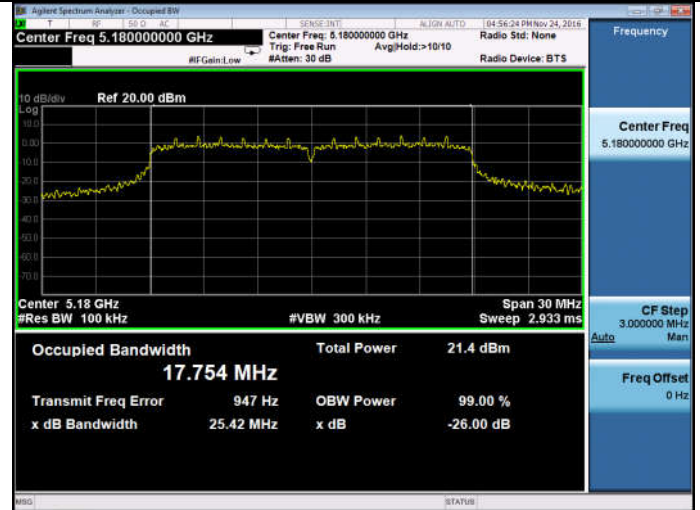
11a

5180MHz

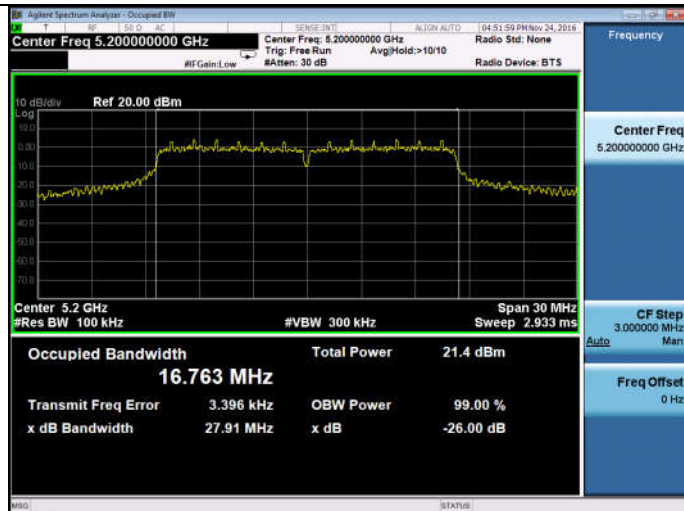


11n HT20

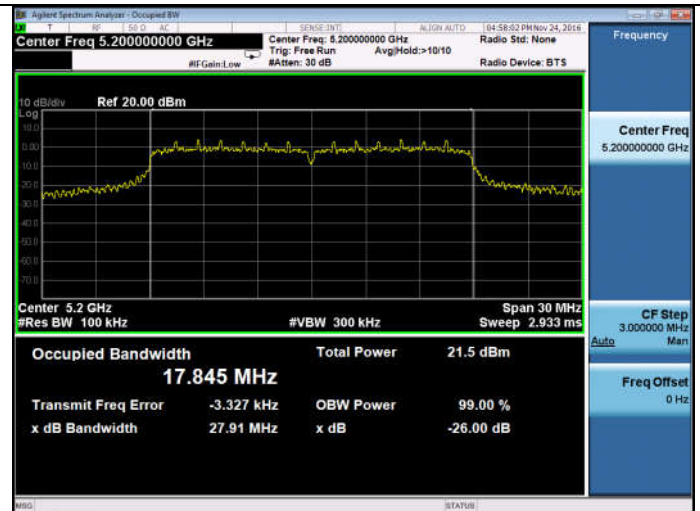
5180MHz



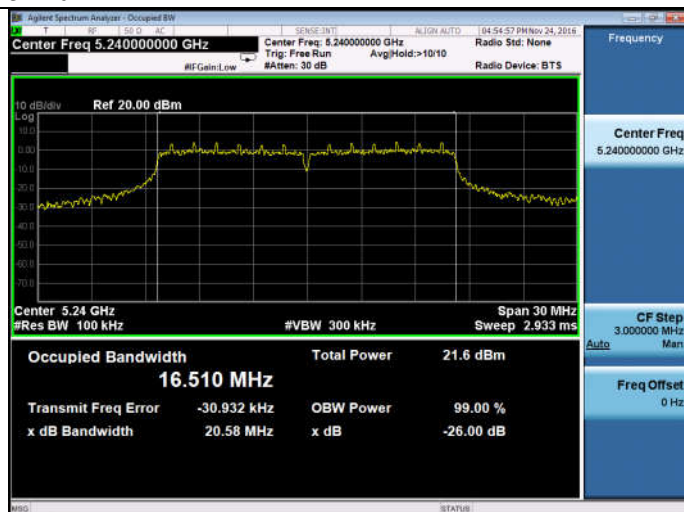
5200MHz



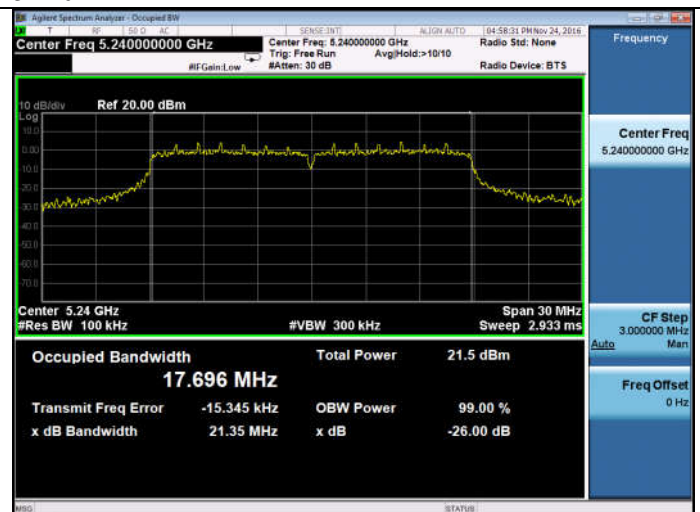
5200MHz



5240MHz

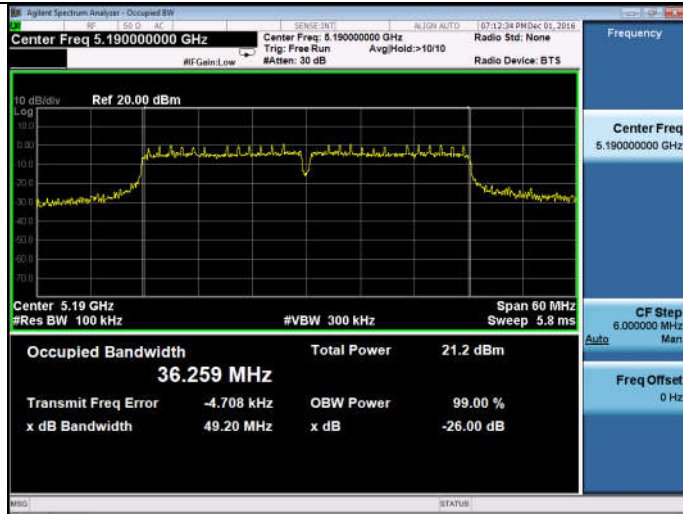


5240MHz

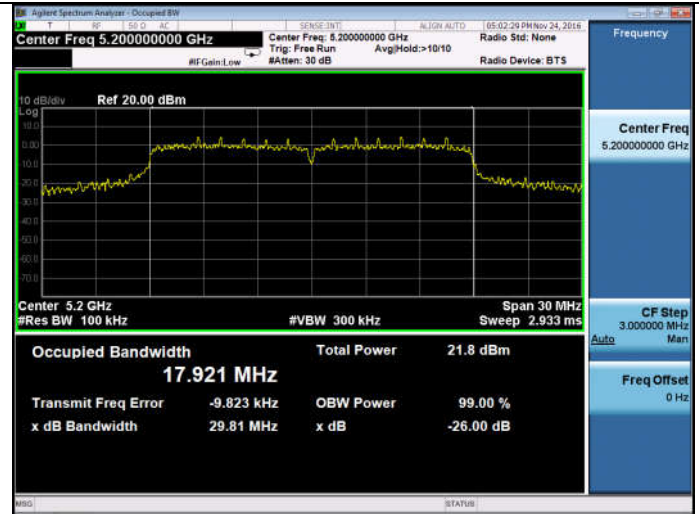


11n HT40

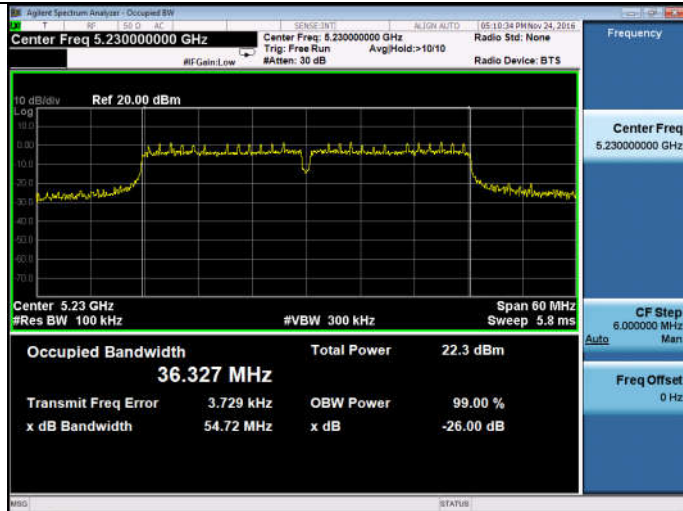
5190MHz



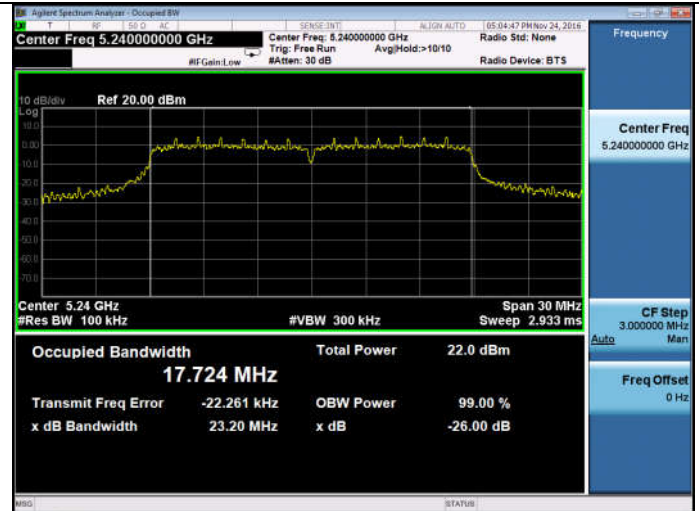
5200MHz



5230MHz

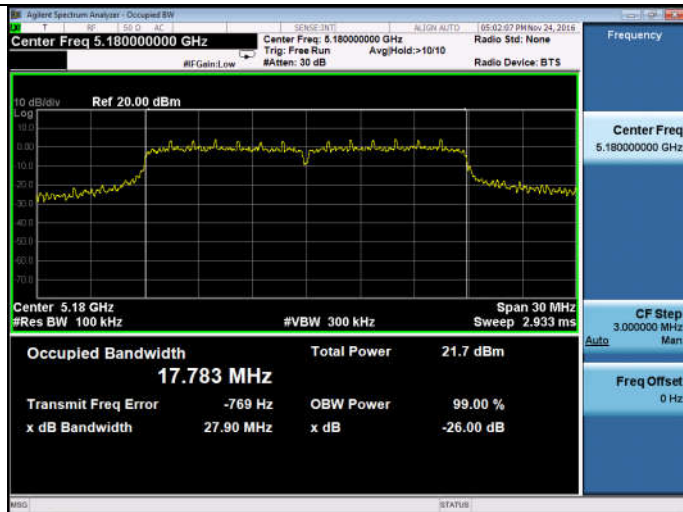


5240MHz



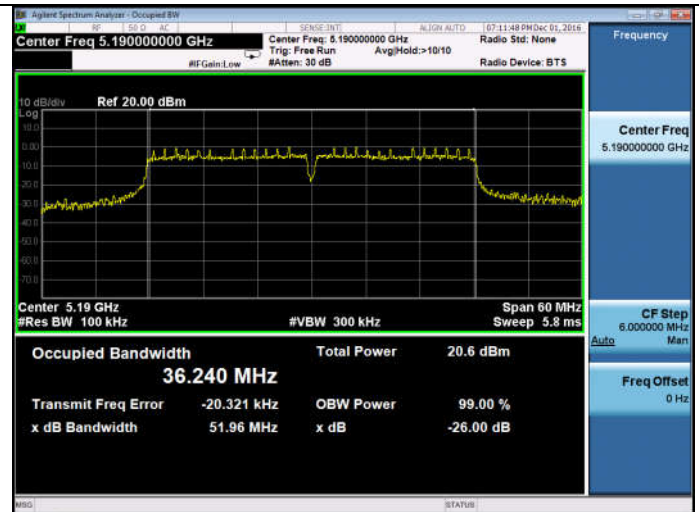
11ac VHT20

5180MHz

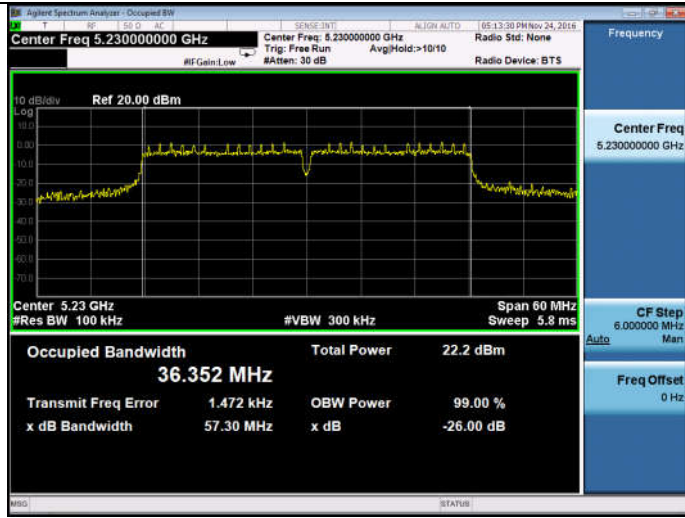


11ac VHT40

5190MHz

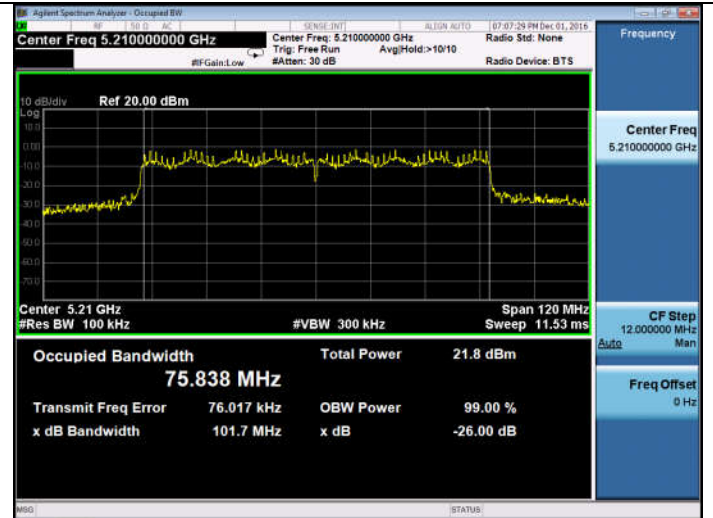


5230MHz



11ac VHT80

5210MHz

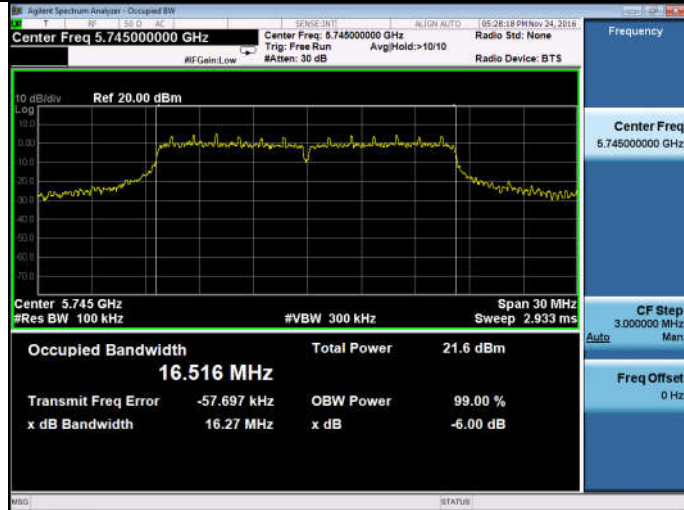


5745-5825MHz Band:

6dB bandwidth

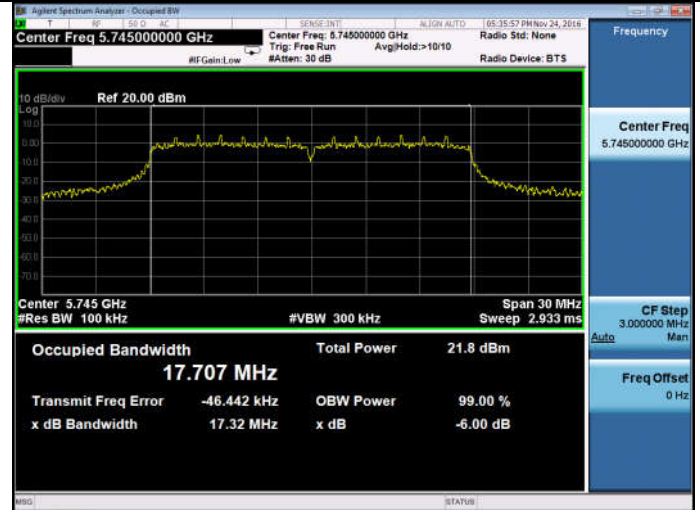
11a

5745MHz

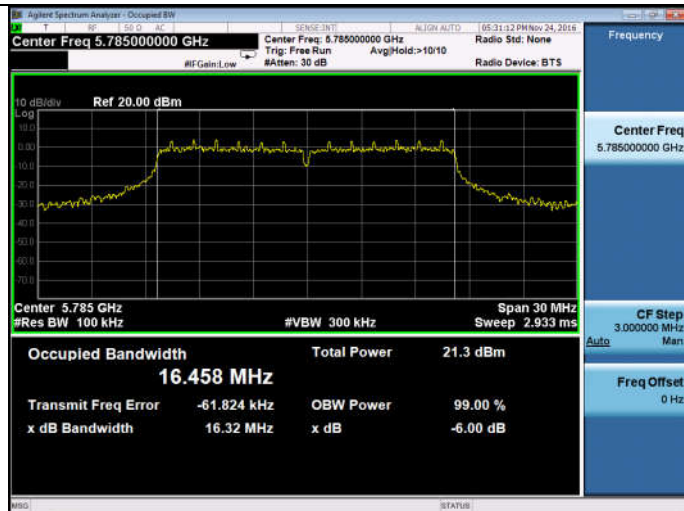


11n HT20

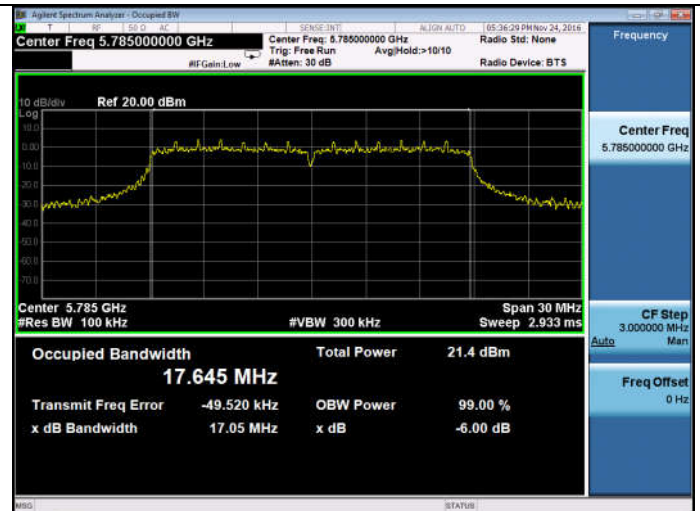
5745MHz



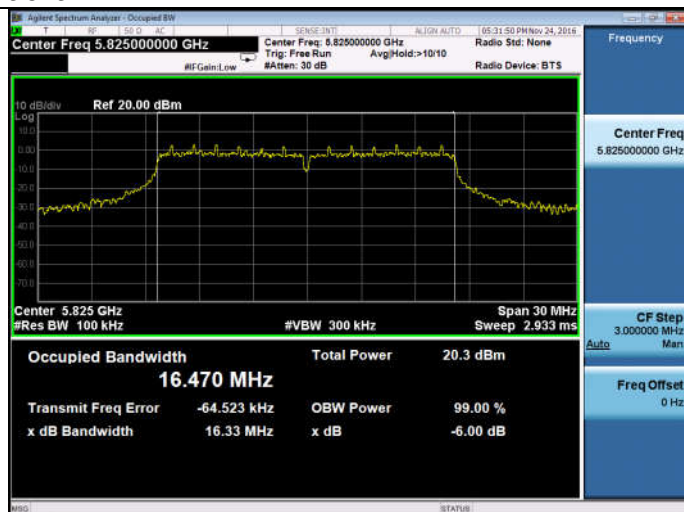
5785MHz



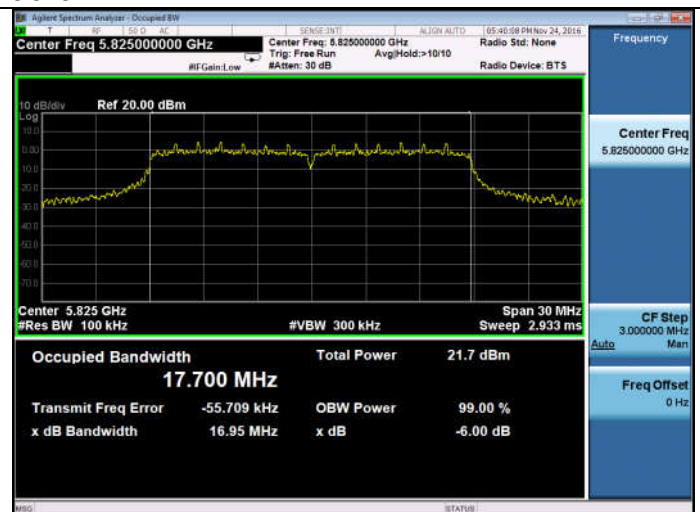
5785MHz



5825MHz

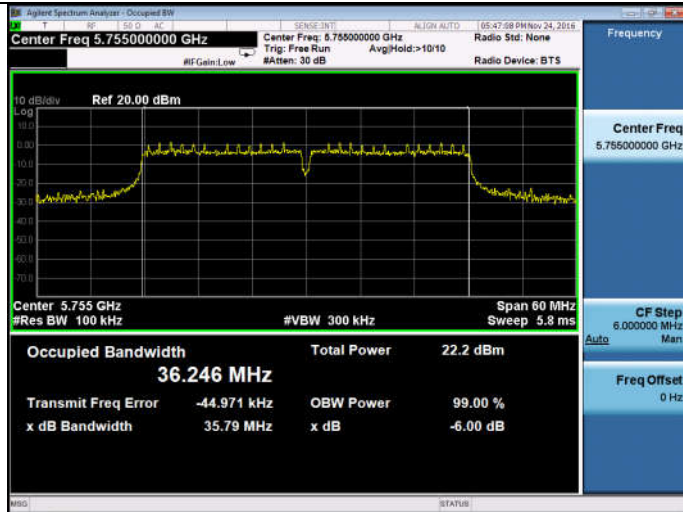


5825MHz

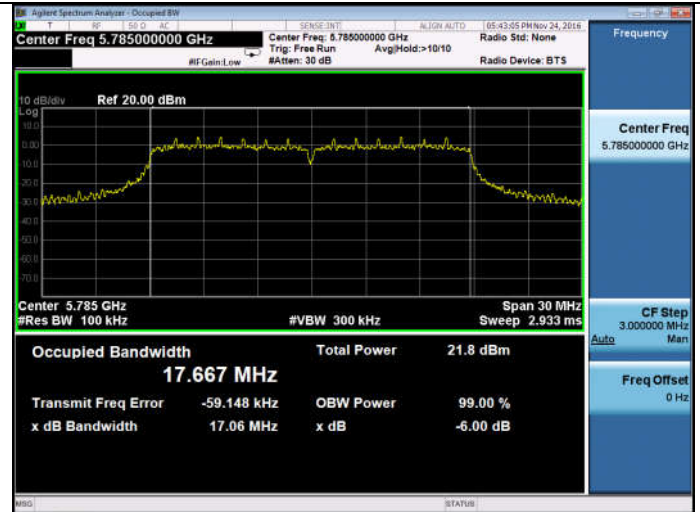


11n HT40

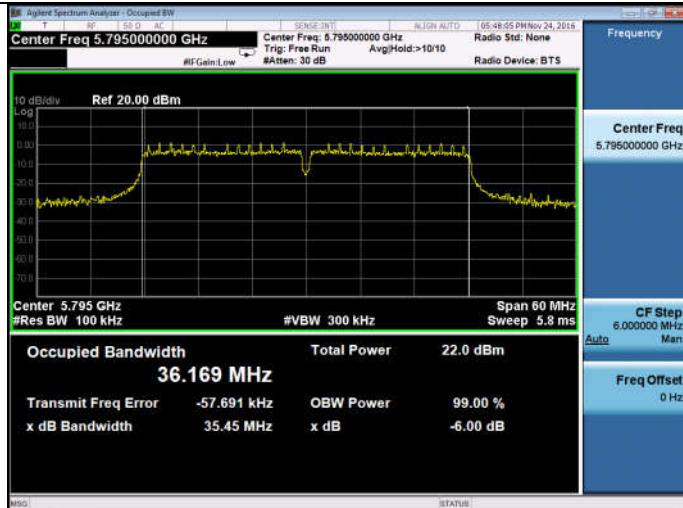
5755MHz



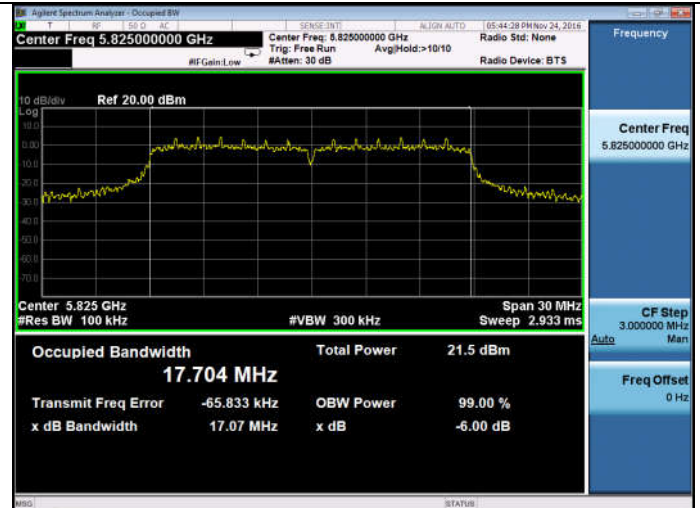
5785MHz



5795MHz

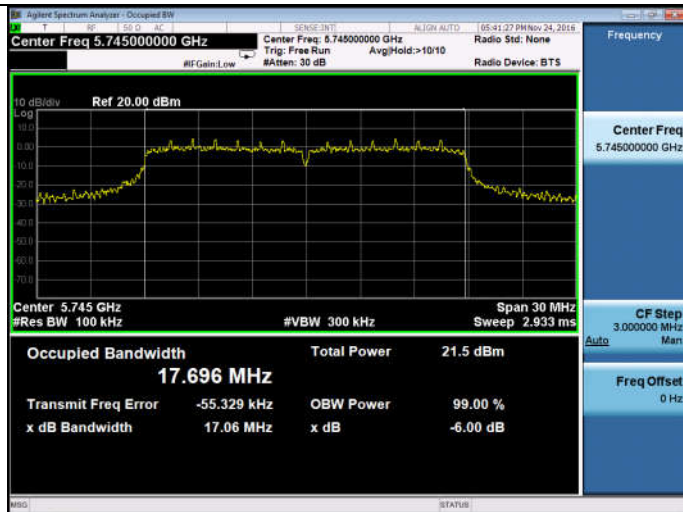


5825MHz



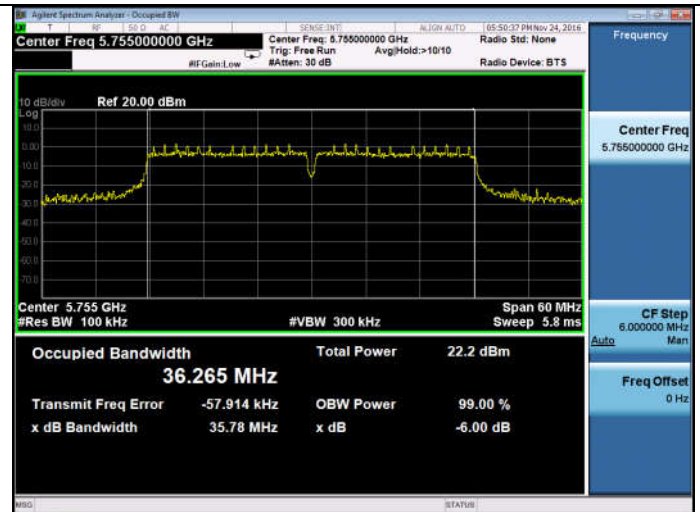
11ac VHT20

5745MHz

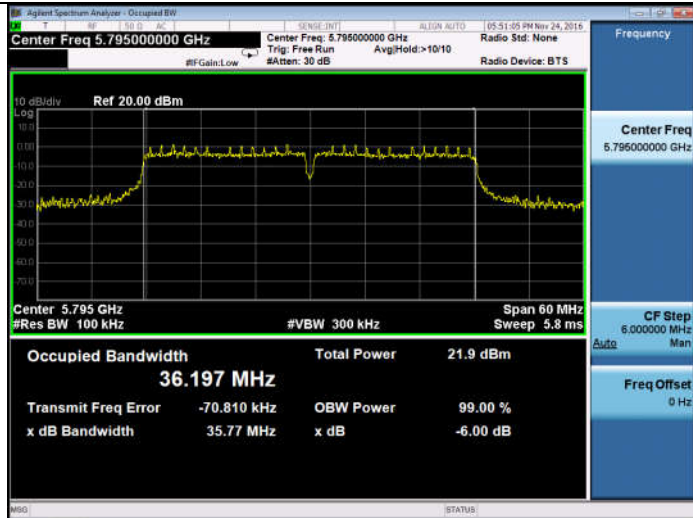


11ac VHT40

5755MHz

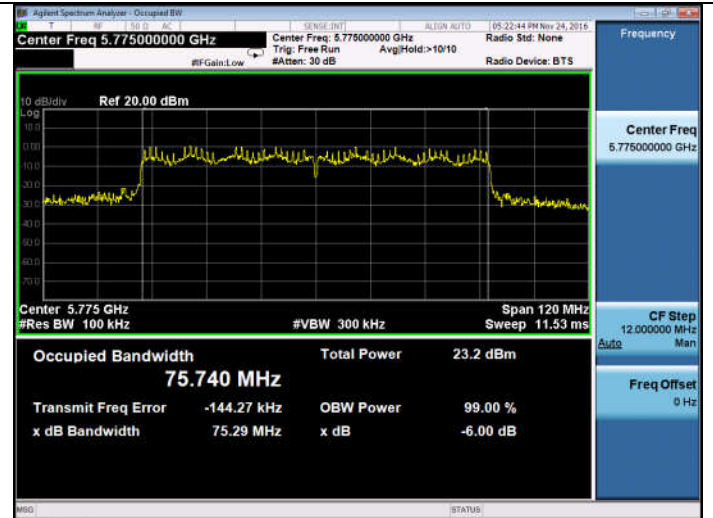


5795MHz



11ac VHT80

5775MHz

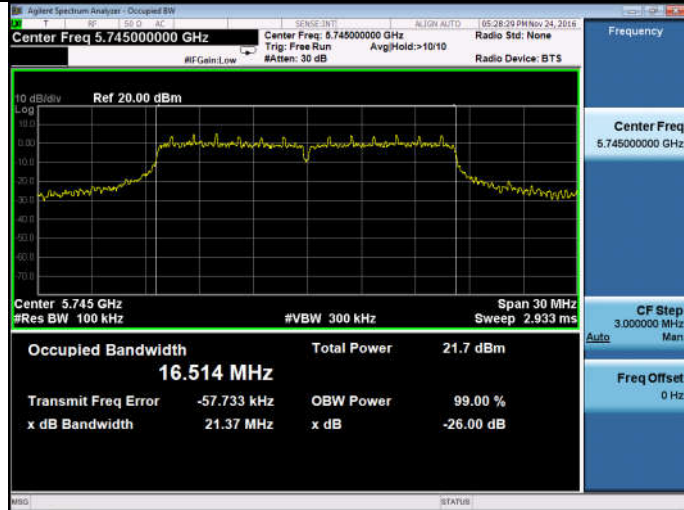


5745-5825MHz Band:

26dB bandwidth

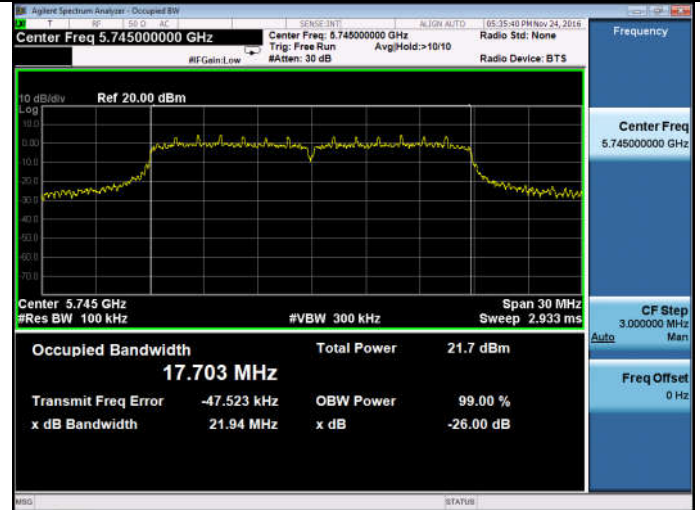
11a

5745MHz

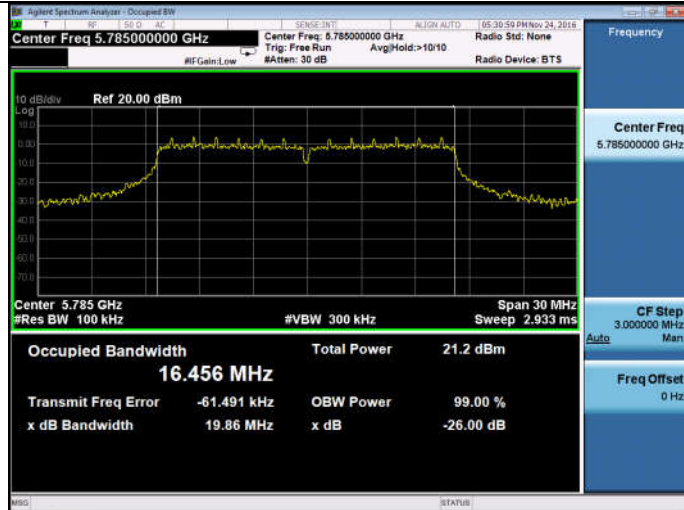


11n HT20

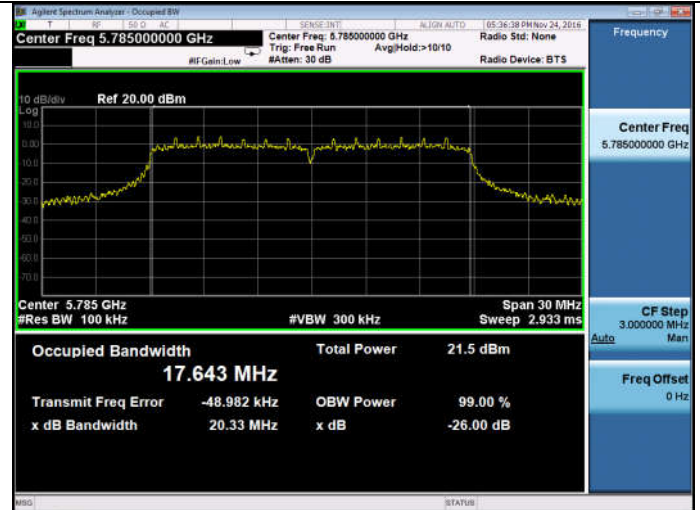
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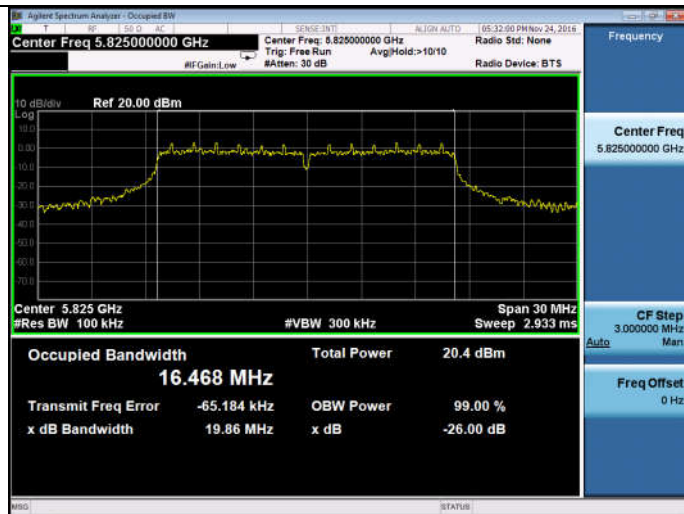
5785MHz



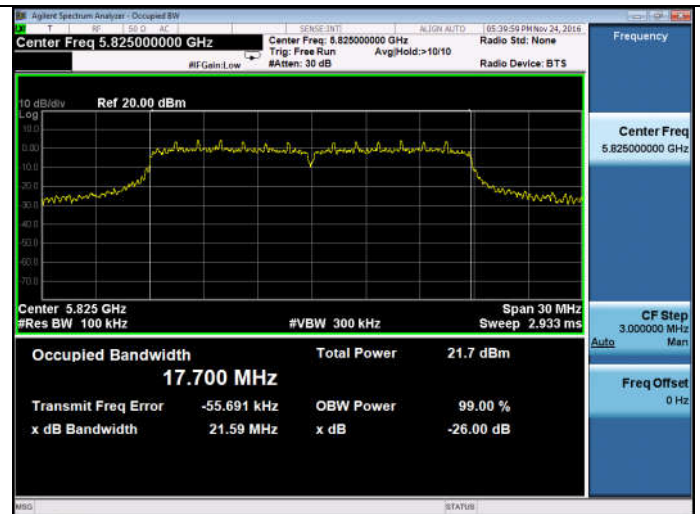
5785MHz



5825MHz

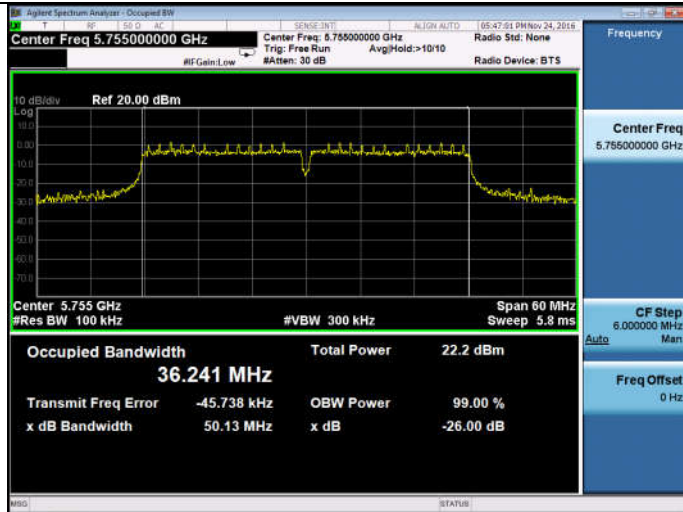


5825MHz

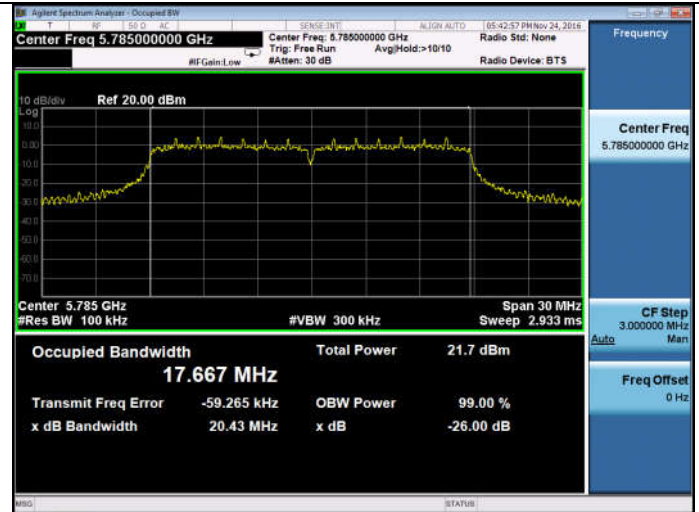


11n HT40

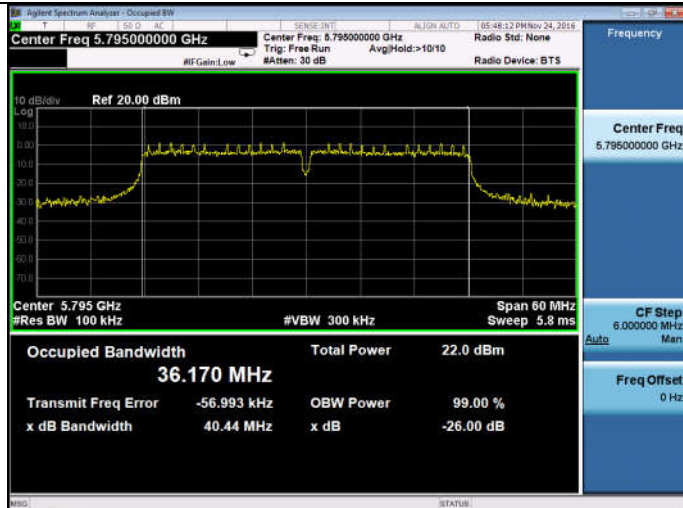
5755MHz



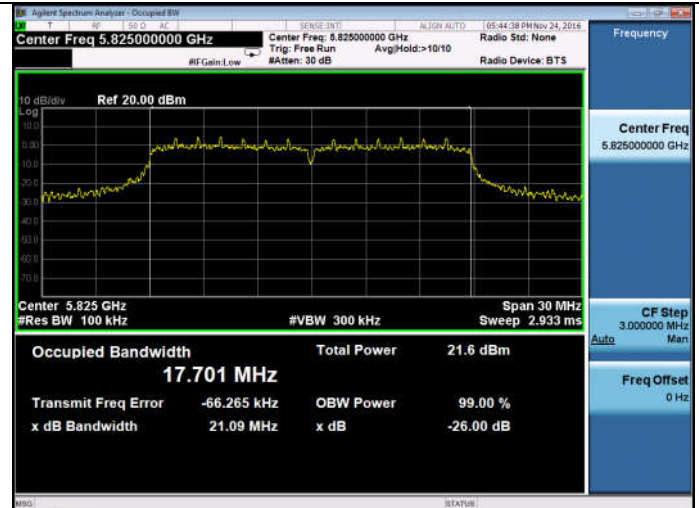
5785MHz



5795MHz

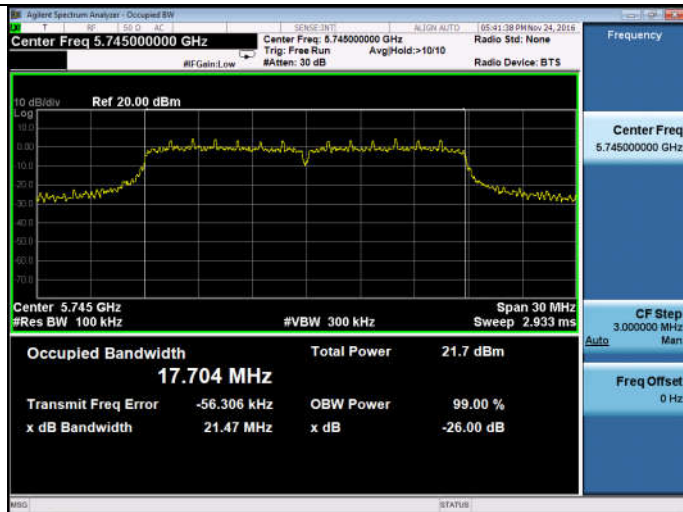


5825MHz



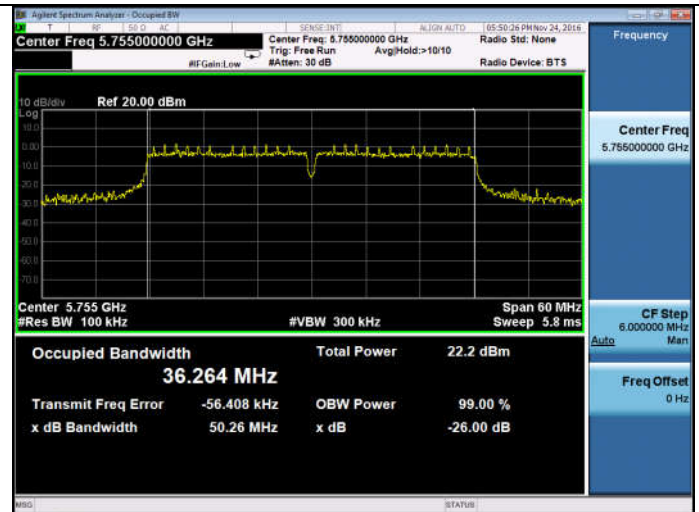
11ac VHT20

5745MHz

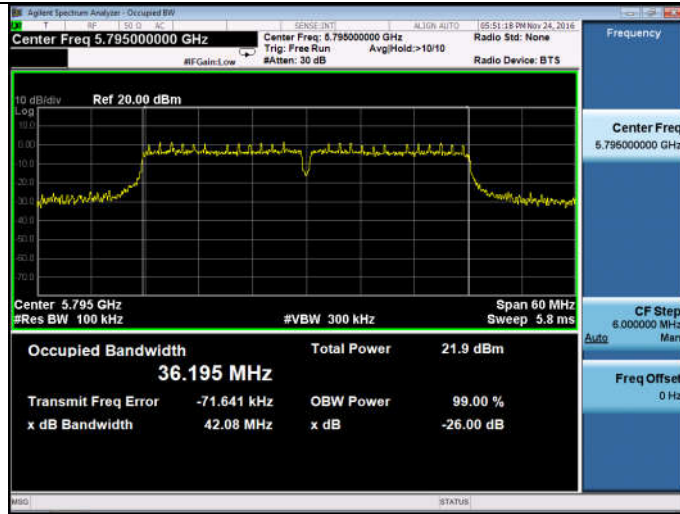


11ac VHT40

5755MHz

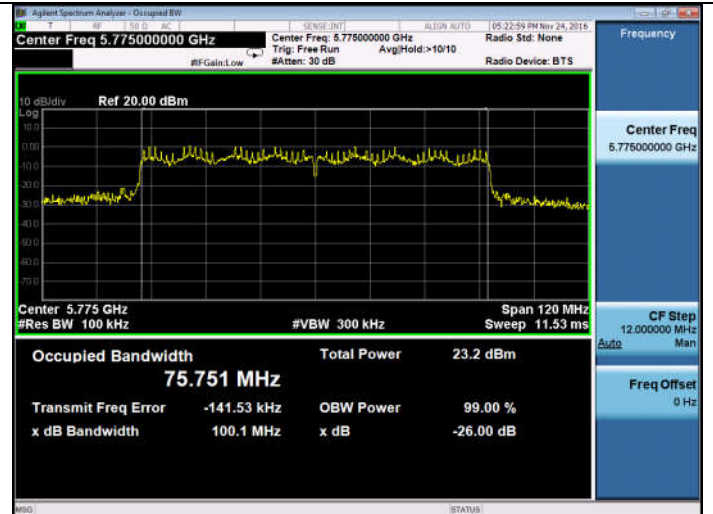


5795MHz



11ac VHT80

5775MHz



7. OUTPUT POWER TEST

7.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Oct.15,16	1 Year
2.	Power meter	Anritsu	ML2487A	6K00002472	Apr.23,16	1 Year
3.	Power sensor	Anritsu	MA2491A	0033005	Apr.23,16	1 Year
4.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr.23,16	1 Year
5.	RF Cable	Marvelous Microwave Inc	SFL402105FLEX	NO.1	Oct.15,16	1 Year

7.2. Limit

For the band 5.15–5.25 GHz.

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

7.3. Test Procedure

1. Connected the EUT's antenna port to measure device by 26dB attenuator.
2. For IEEE 802.11a and IEEE802.11n HT20 and 802.11ac VHT20 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 KBD789033 clause E Method SA-1
 - 1) Connect the antenna port to the spectrum analyzer and Set span of the spectrum to encompass the entire emission bandwidth (EBW) of the signal.
 - 2) Set the RBW=1MHz and VBW =3MHz
 - 3) Number of points in sweep ≥ 2 Span / RBW
 - 4) Detector = RMS
 - 5) Sweep time = auto couple
 - 6) Allow the sweep to "free run" and set the Trace average at least 100 traces in power averaging (i.e., RMS) mode.
 - 7) Compute power by integrating the spectrum across the 26 dB EBW of the signal using the instrument's 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.

7.4. Test Results

5180-5240MHz Band:

EUT: CaptionCall Wireless Router 2			
M/N: CR2			
Test date: 2016-11-24~12-01		Pressure: 103.1±1.0 kpa	Humidity: 52.3±3.0%
Tested by: Lynn		Test site: RF site	Temperature: 22.7±0.6 °C
Test Mode	Frequency (MHz)	Maximum Conducted output power (dBm)	Limit (dBm)
11a	5180	14.48	30
	5200	14.45	30
	5240	14.18	30
11n HT20	5180	14.19	30
	5200	14.21	30
	5240	14.22	30
11n HT40	5190	13.47	30
	5230	14.52	30
11ac VHT20	5180	14.57	30
	5200	14.59	30
	5240	14.65	30
11ac VHT40	5190	13.05	30
	5230	14.51	30
11ac VHT80	5210	13.25	30
Conclusion: PASS			

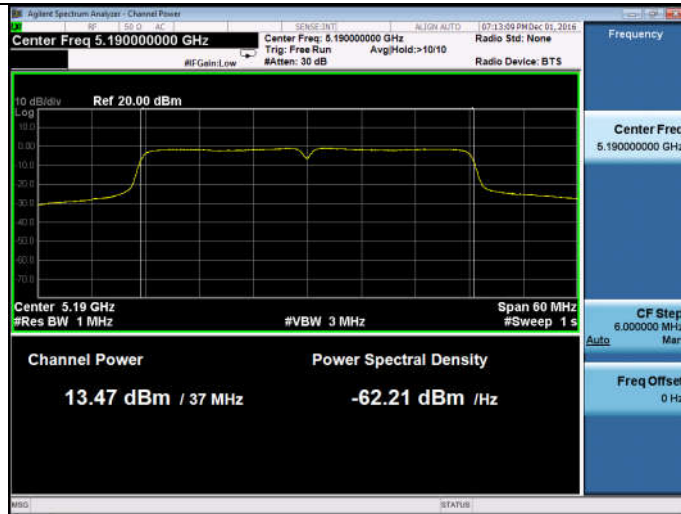
5745-5825MHz Band:

EUT: CaptionCall Wireless Router 2			
M/N: CR2			
Test date: 2016-11-24		Pressure: 102.7±1.0 kpa	Humidity: 53.6±3.0%
Tested by: Lynn		Test site: RF site	Temperature:23.2±0.6 °C
Test Mode	Frequency (MHz)	Maximum Conducted output power (dBm)	Limit (dBm)
11a	5745	14.68	30
	5785	14.46	30
	5825	14.50	30
11n HT20	5745	14.51	30
	5785	14.59	30
	5825	14.30	30
11n HT40	5755	14.46	30
	5795	14.26	30
11ac VHT20	5745	14.35	30
	5785	14.56	30
	5825	14.22	30
11ac VHT40	5755	14.46	30
	5795	14.23	30
11ac VHT80	5775	14.62	30
Conclusion: PASS			

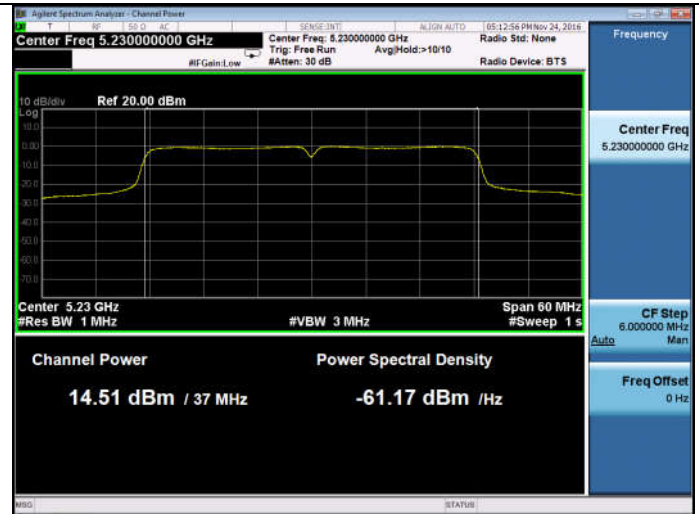
5180-5240MHz Band:

11n HT40

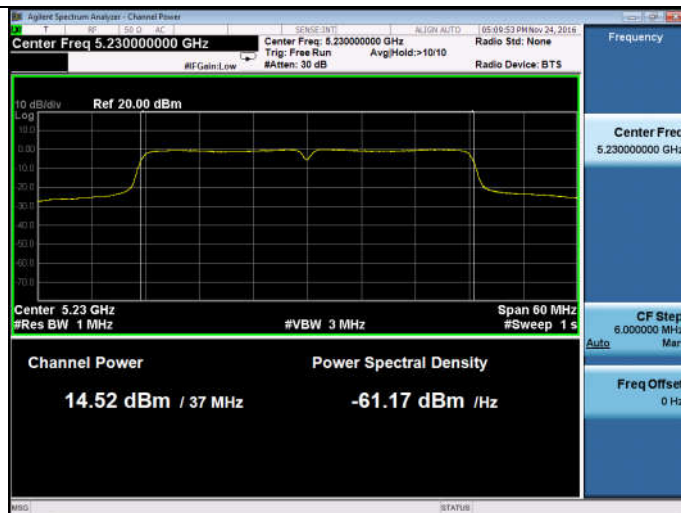
5190MHz



5230MHz

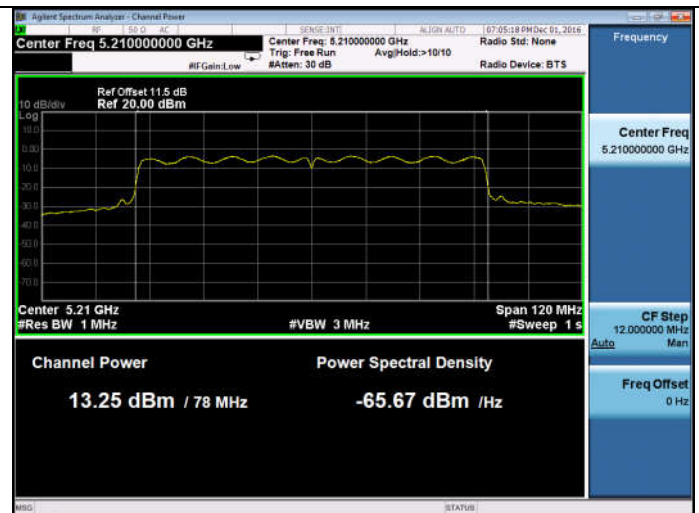


5230MHz



11ac VHT80

5210MHz



11acVHT40

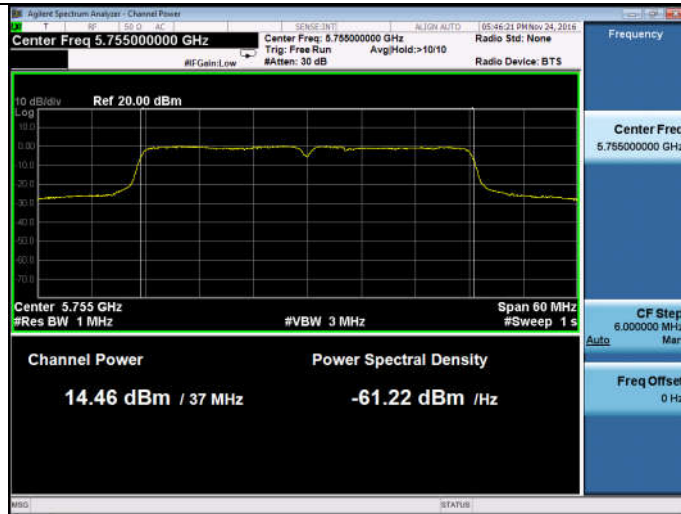
5190MHz



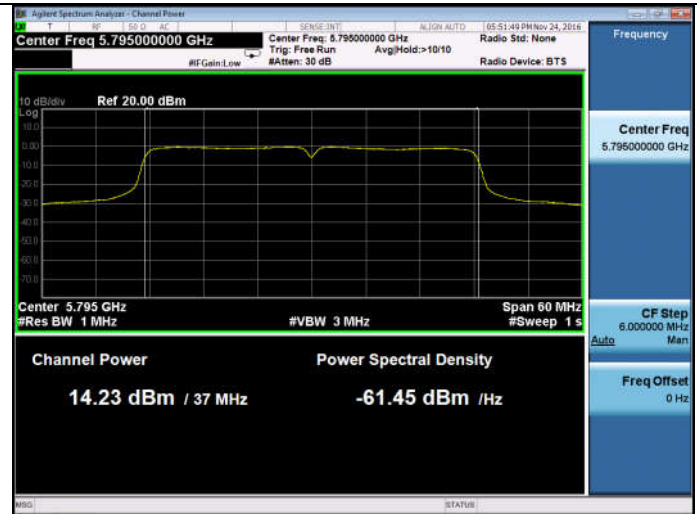
5745-5825MHz Band:

11n HT40

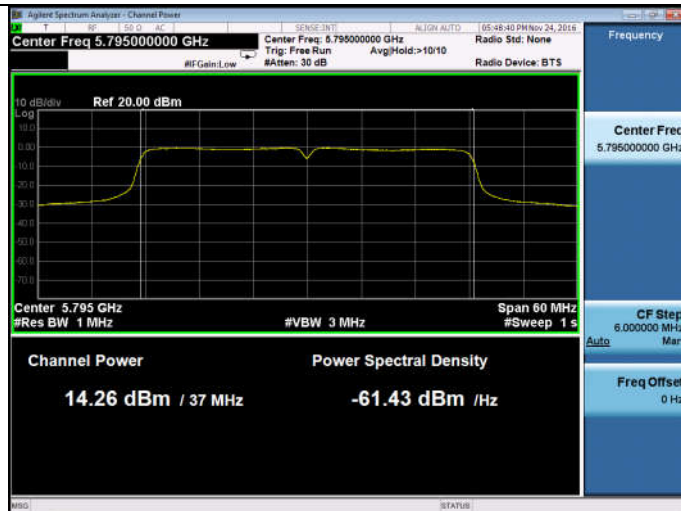
5755MHz



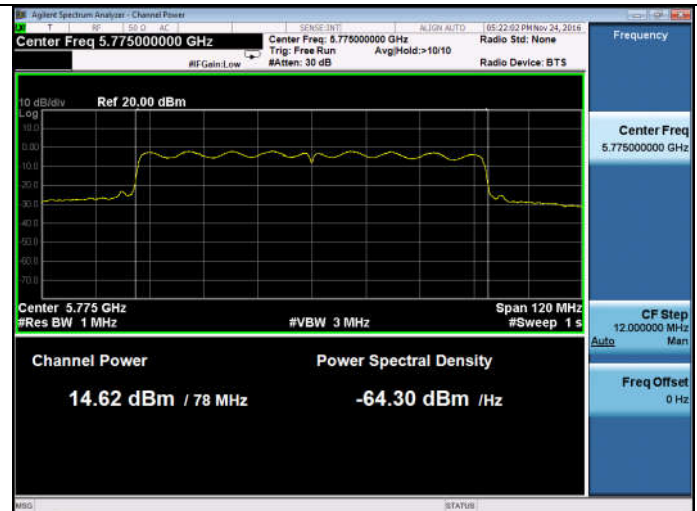
5795MHz



5795MHz

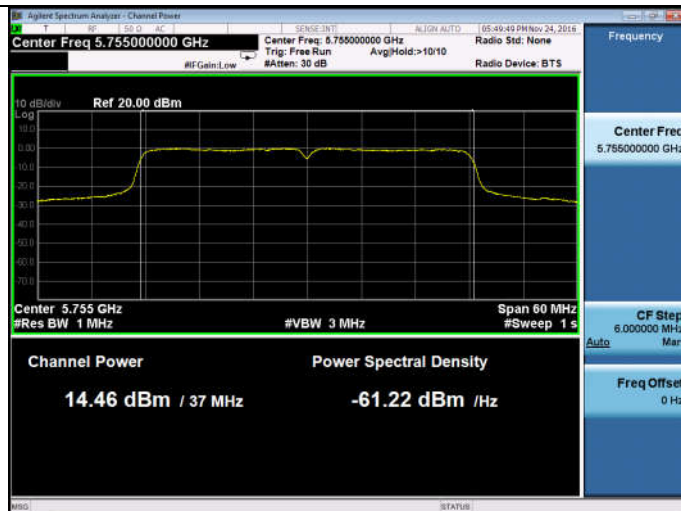


11ac VHT80



11acVHT40

5755MHz



8. SPECTRAL DENSITY TEST

8.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Oct.15,16	1 Year
2.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr.23,16	1 Year
3.	RF Cable	Marvelous Microwave Inc	SFL402105FLEX	NO.1	Oct.15,16	1 Year

8.2. Limit

Band 5150-5250 MHz:

The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

Band 5725-5850 MHz:

The power spectral density shall not exceed 30 dBm in any 500 KHz band.

8.3. Test Procedure

For the Band 5.15-5.25GHz:

The transmitter output was connected to a spectrum analyzer. Power density was measured by spectrum analyzer with 1MHz RBW and 3MHz VBW; Detector: RMS mode.

For the band 5.725-5.85 GHz:

So use the test method described in KDB789033 clause E

- 1) Set the RBW=100kHz and VBW =3MHz
- 2) Number of points in sweep ≥ 2 Span / RBW.(This ensures that bin-to-bin spacing is $\leq$ RBW/2, so that narrowband signals are not lost between frequency bins.)
- 3) Sweep time = auto
- 4) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.
- 5) Use the “peak search” function of spectrum analyzer find the max value, then add $10\log(500\text{kHz}/\text{RBW})$ to the measured result.

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

8.4. Test Results

5180-5240MHz Band:

EUT: CaptionCall Wireless Router 2		
M/N: CR2		
Test date: 2016-11-24~12-01	Pressure: 103.1±1.0 kpa	Humidity: 52.3±3.0%
Tested by: Lynn	Test site: RF site	Temperature: 22.7±0.6 °C

Test Mode	Frequency (MHz)	Power density (dBm/MHz)	Limit (dBm/MHz)
11a	5180	3.574	17
	5200	3.424	17
	5240	3.623	17
11n HT20	5180	2.992	17
	5200	3.010	17
	5240	3.201	17
11n HT40	5190	-0.804	17
	5230	0.188	17
11ac VHT20	5180	3.477	17
	5200	3.320	17
	5240	3.623	17
11ac VHT40	5190	-1.027	17
	5230	0.347	17
11ac VHT80	5210	-3.244	17
Conclusion: PASS			

5745-5825MHz Band:

EUT: CaptionCall Wireless Router 2		
M/N: CR2		
Test date: 2016-11-24~12-01	Pressure: 102.7±1.0 kpa	Humidity: 53.6±3.0%
Tested by: Lynn	Test site: RF site	Temperature:23.2±0.6 °C

Test Mode	Frequency (MHz)	Power density (dBm/500KHz)	Limit (dBm/500KHz)
11a	5745	1.502	30
	5785	1.884	30
	5825	1.946	30
11n HT20	5745	1.360	30
	5785	1.291	30
	5825	1.237	30
11n HT40	5755	-1.511	30
	5795	-2.060	30
11ac VHT20	5745	1.786	30
	5785	1.235	30
	5825	1.180	30
11ac VHT40	5755	-1.125	30
	5795	-1.713	30
11ac VHT80	5775	-4.209	30
Conclusion: PASS			

5180-5240MHz Band:

11a

5180MHz



11n HT20

5180MHz



5200MHz



5200MHz



5240MHz

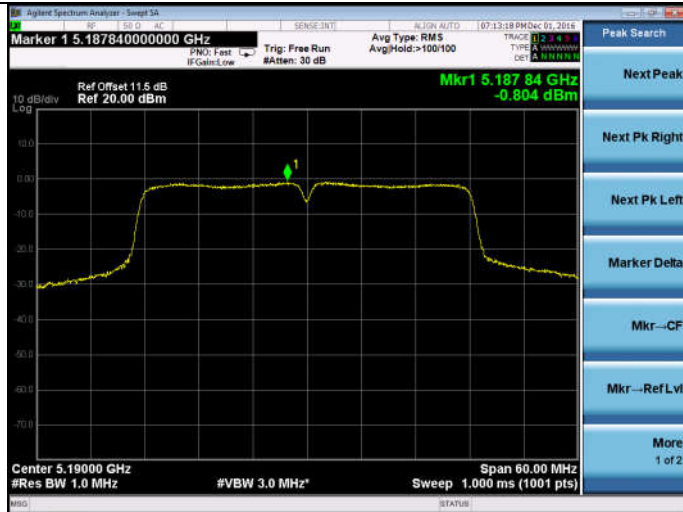


5240MHz



11n HT40

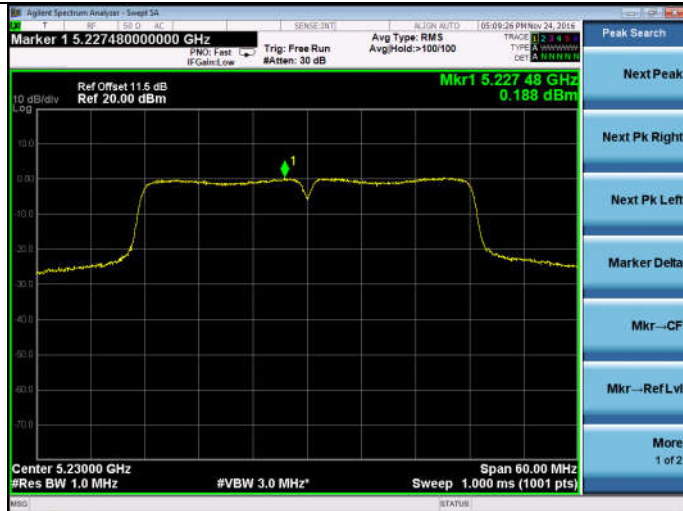
5190MHz



5200MHz



5230MHz



5240MHz



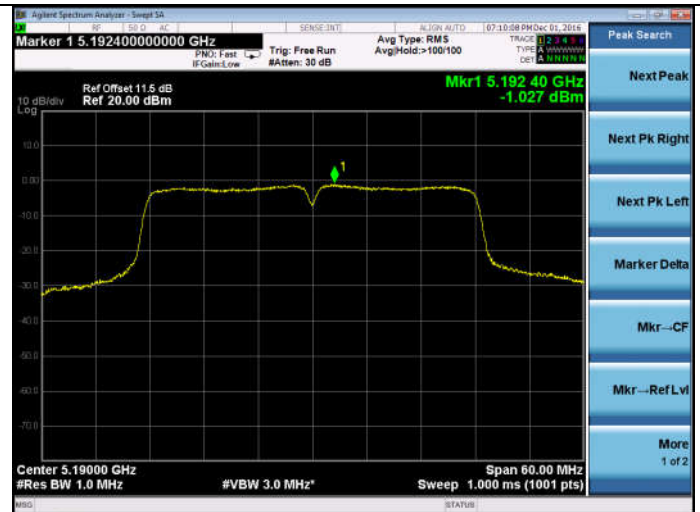
11ac VHT20

5180MHz



11ac VHT40

5190MHz

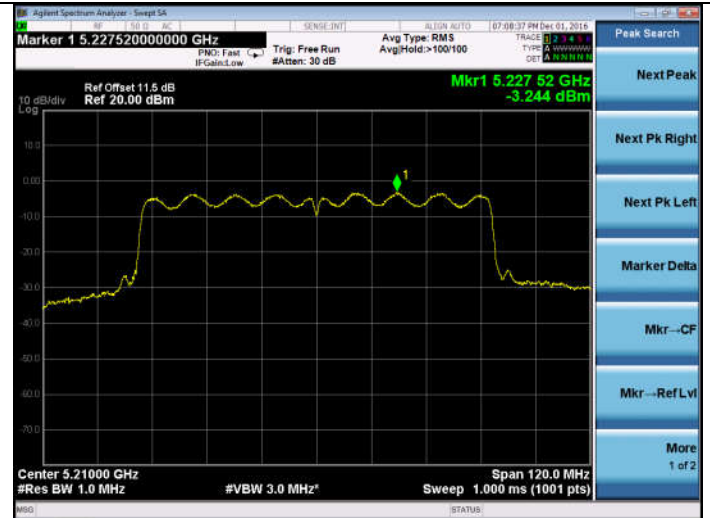


5230MHz



11ac VHT80

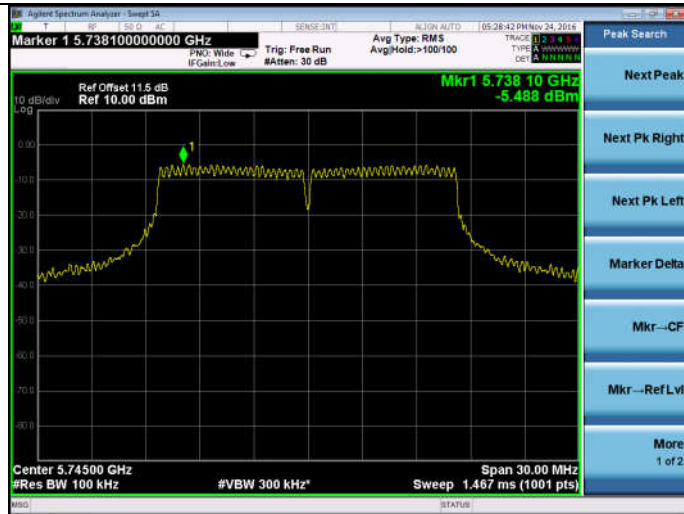
5210MHz



5745-5825MHz Band:

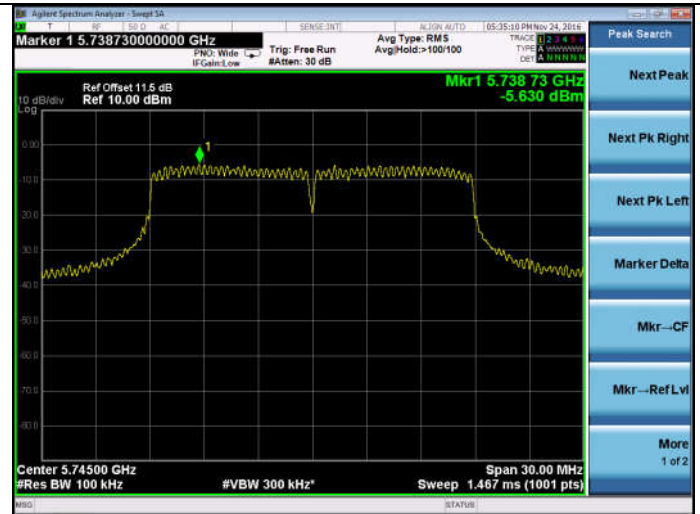
11a

5745MHz

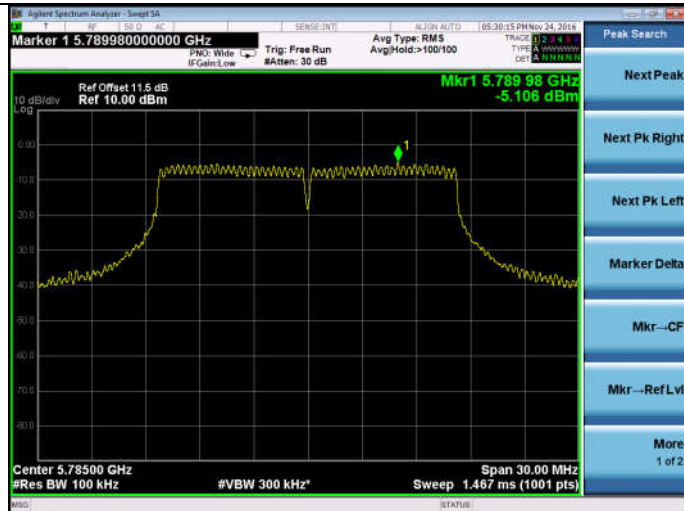


11n HT20

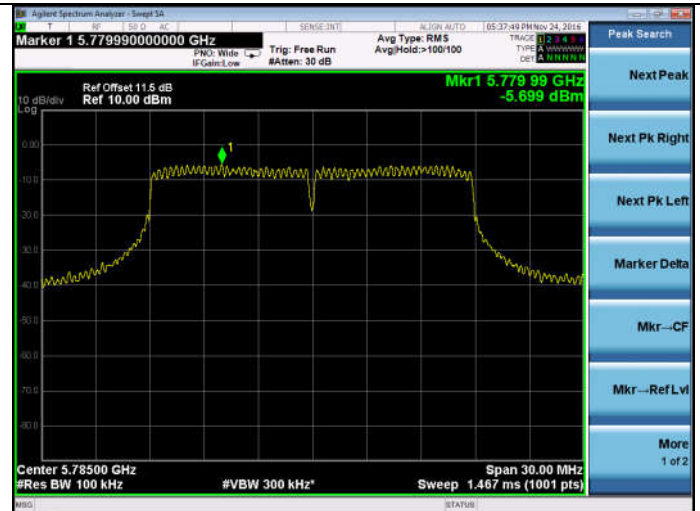
5745MHz



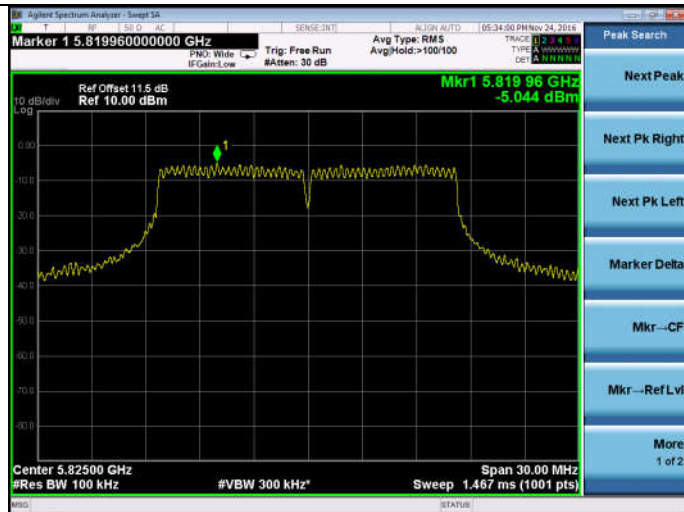
5785MHz



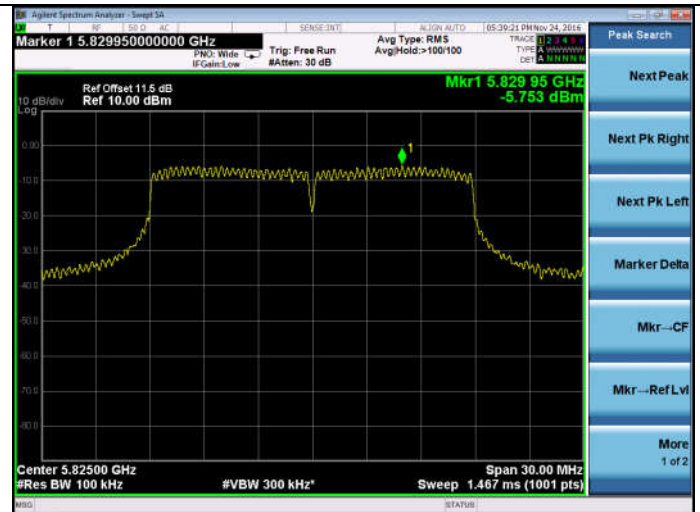
5785MHz



5825MHz

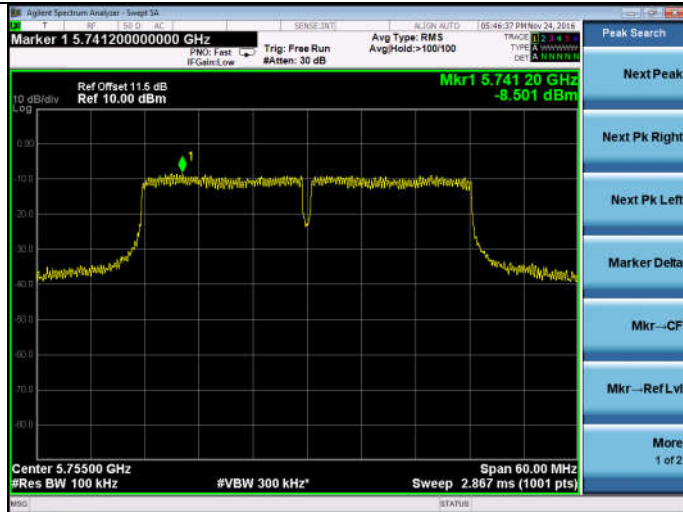


5825MHz

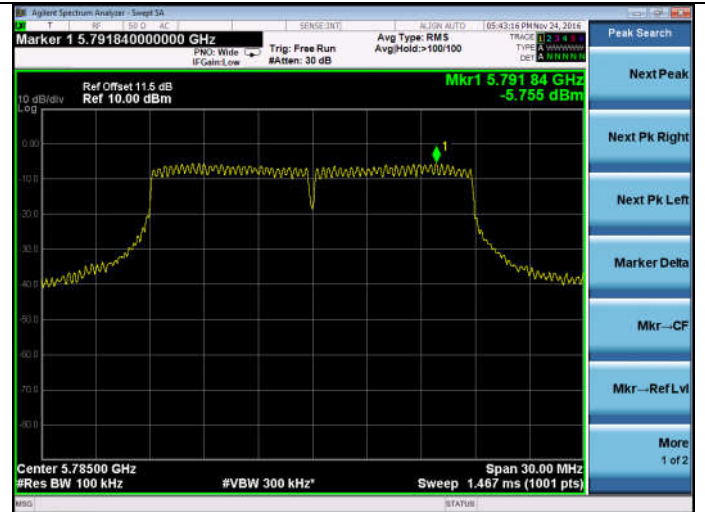


11n HT40

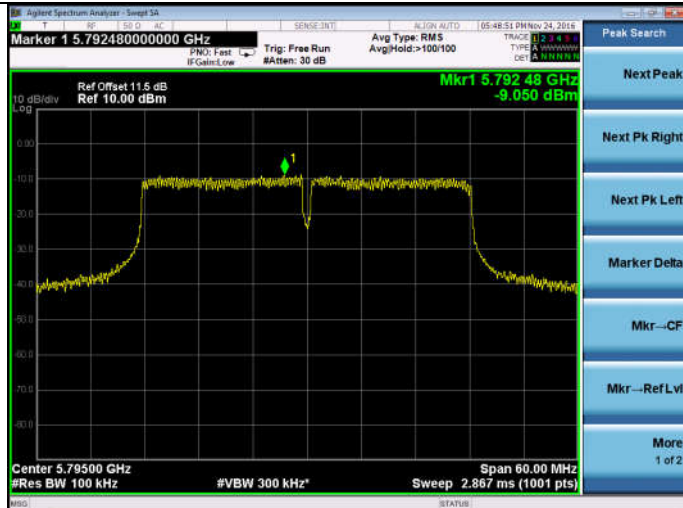
5755MHz



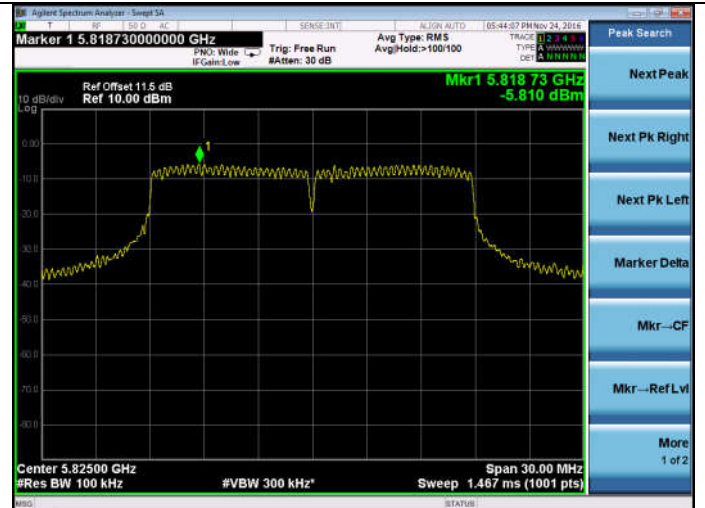
5785MHz



5795MHz

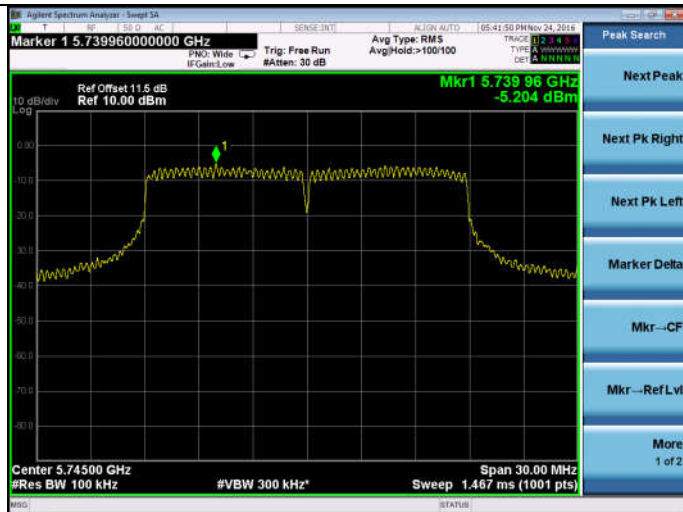


5825MHz



11ac VHT20

5745MHz

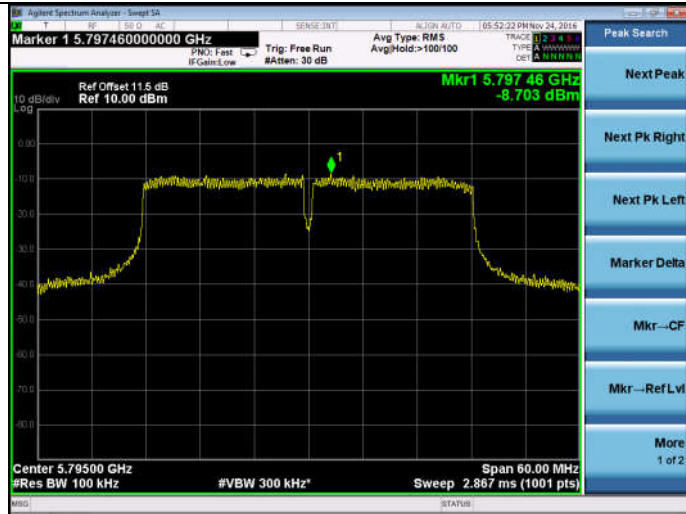


11ac VHT40

5755MHz

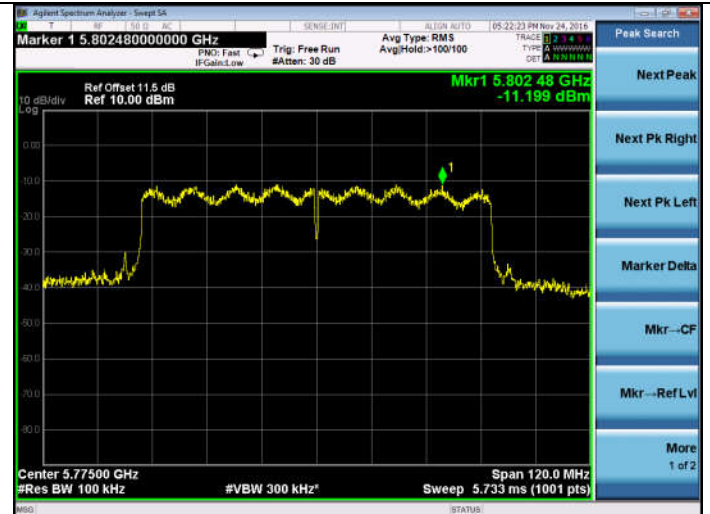


5795MHz



11ac VHT80

5775MHz



9. MPE ESTIMATION

9.1.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

Note: F= Frequency in MHz

9.2.Estimation Result

5180-5240MHz Band:

EUT: CaptionCall Wireless Router 2		
M/N: CR2		
Test date: 2016-12-02	Pressure: 103.1±1.0 kpa	Humidity: 52.3±3.0%
Tested by: Lynn	Test site: RF site	Temperature:22.7±0.6 °C

Test Mode	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11a	5180	14.48	28.05	5	3.16	0.0177
	5200	14.45	27.86	5	3.16	0.0175
	5240	14.18	26.18	5	3.16	0.0165
11n HT20	5180	14.19	26.24	5	3.16	0.0165
	5200	14.21	26.36	5	3.16	0.0166
	5240	14.22	26.42	5	3.16	0.0166
11n HT40	5190	13.47	22.23	5	3.16	0.0140
	5230	14.52	28.31	5	3.16	0.0178
11ac VHT20	5180	14.57	28.64	5	3.16	0.0180
	5200	14.59	28.77	5	3.16	0.0181
	5240	14.65	29.17	5	3.16	0.0184
11ac VHT40	5190	13.05	20.18	5	3.16	0.0127
	5230	14.51	28.25	5	3.16	0.0178
11ac VHT80	5210	13.25	21.13	5	3.16	0.0133

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

5745-5825MHz Band:

EUT: CaptionCall Wireless Router 2		
M/N: CR2		
Test date: 2016-12-05	Pressure: 102.7±1.0 kpa	Humidity: 53.6±3.0%
Tested by: Lynn	Test site: RF site	Temperature:23.2±0.6 °C

Test Mode	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11a	5745	14.68	29.38	5	3.16	0.0185
	5785	14.46	27.93	5	3.16	0.0176
	5825	14.50	28.18	5	3.16	0.0177
11n HT20	5745	14.51	28.25	5	3.16	0.0178
	5785	14.59	28.77	5	3.16	0.0181
	5825	14.30	26.92	5	3.16	0.0169
11n HT40	5755	14.46	27.93	5	3.16	0.0176
	5795	14.26	26.67	5	3.16	0.0168
11ac VHT20	5745	14.35	27.23	5	3.16	0.0171
	5785	14.56	28.58	5	3.16	0.0180
	5825	14.22	26.42	5	3.16	0.0166
11ac VHT40	5755	14.46	27.93	5	3.16	0.0176
	5795	14.23	26.49	5	3.16	0.0167
11ac VHT80	5775	14.62	28.97	5	3.16	0.0182

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

10.FREQUENCY STABILITY MEASUREMENT

10.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Oct.15,16	1 Year
2.	Amplifier	Agilent	8449B	3008A02495	Apr.24,16	1 Year
3.	Horn Antenna	ETC	MCTD 1209	DRH15F03007	Apr.11,16	1 Year
4.	HF Cable	Hubersuhner	Sucoflex104	274094/4	Apr.24,16	1 Year

10.2.Limit

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emissions is maintained within the band of operation under all conditions of normal operation as specified in the user's manual or $\pm 20\text{ppm}$

10.3.Test Procedure

1. The transmitter output (antenna port) was connected to the spectrum analyzer. EUT have transmitted absence of modulation signal and fixed channelise. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings. f_c is declaring of channel frequency. Then the frequency error formula is $(f_c - f)/f_c \times 10^6 \text{ ppm}$ and the limit is less than $\pm 20\text{ppm}$ The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value
2. Extreme temperature rule is $-30^\circ\text{C} \sim 50^\circ\text{C}$.

10.4.Test Result

EUT: CaptionCall Wireless Router 2		
M/N: CR2		
Test date: 2016-12-08	Pressure: 103.3±1.0 kpa	Humidity: 53.2±3.0%
Tested by: Lynn	Test site: RF site	Temperature:23.6±0.6 °C

Frequency Stability vs.Voltage:

Test Voltage	Temperature	CH	Max. Reading (MHz)	Target Frequency (MHz)	Result (ppm)	Limit (ppm)
AC 108V	25°C	CH36	5179.9487	5180	-9.90	±20
		CH38	5189.9458	5190	-10.44	±20
		CH40	5199.9456	5200	-10.46	±20
		CH42	5209.9461	5210	-10.35	±20
		CH46	5229.9429	5230	-10.92	±20
		CH48	5239.9469	5240	-10.13	±20
		CH149	5744.9343	5745	-11.44	±20
		CH151	5754.9342	5755	-11.43	±20
		CH155	5774.9378	5775	-10.77	±20
		CH157	5784.9325	5785	-11.67	±20
		CH159	5794.9384	5795	-10.63	±20
		CH165	5824.9337	5825	-11.38	±20

Conclusion: PASS

Test Voltage	Temperature	CH	Max. Reading (MHz)	Target Frequency (MHz)	Result (ppm)	Limit (ppm)
AC 120V	25°C	CH36	5179.9445	5180	-10.71	±20
		CH38	5189.9460	5190	-10.40	±20
		CH40	5199.9455	5200	-10.48	±20
		CH42	5209.9485	5210	-9.88	±20
		CH46	5229.9440	5230	-10.71	±20
		CH48	5239.9430	5240	-10.88	±20
		CH149	5744.9355	5745	-11.23	±20
		CH151	5754.9390	5755	-10.60	±20
		CH155	5774.9395	5775	-10.48	±20
		CH157	5784.9365	5785	-10.98	±20
		CH159	5794.9390	5795	-10.53	±20
		CH165	5824.9365	5825	-10.90	±20

Conclusion: PASS

Test Voltage	Temperature	CH	Max. Reading (MHz)	Target Frequency (MHz)	Result (ppm)	Limit (ppm)
AC 132V	25°C	CH36	5179.9443	5180	-10.75	±20
		CH38	5189.9469	5190	-10.23	±20
		CH40	5199.9455	5200	-10.48	±20
		CH42	5209.9497	5210	-9.65	±20
		CH46	5229.9407	5230	-11.34	±20
		CH48	5239.9483	5240	-9.87	±20
		CH149	5744.9317	5745	-11.89	±20
		CH151	5754.9361	5755	-11.10	±20
		CH155	5774.9378	5775	-10.77	±20
		CH157	5784.9320	5785	-11.75	±20
		CH159	5794.9304	5795	-12.01	±20
		CH165	5824.9394	5825	-10.40	±20

Conclusion: PASS

Frequency Stability vs.Temperature:

Test Voltage	Temperature	CH	Max. Reading (MHz)	Target Frequency (MHz)	Result (ppm)	Limit (ppm)
AC 120V	-5℃	CH36	5179.9459	5180	-10.44	±20
		CH38	5189.9433	5190	-10.92	±20
		CH40	5199.9443	5200	-10.71	±20
		CH42	5209.9406	5210	-11.40	±20
		CH46	5229.9423	5230	-11.03	±20
		CH48	5239.9467	5240	-10.17	±20
		CH149	5744.9395	5745	-10.53	±20
		CH151	5754.9380	5755	-10.77	±20
		CH155	5774.9389	5775	-10.58	±20
		CH157	5784.9328	5785	-11.62	±20
		CH159	5794.9333	5795	-11.51	±20
		CH165	5824.9308	5825	-11.88	±20

Conclusion: PASS

Test Voltage	Temperature	CH	Max. Reading (MHz)	Target Frequency (MHz)	Result (ppm)	Limit (ppm)
AC 120V	5℃	CH36	5179.9427	5180	-11.06	±20
		CH38	5189.9433	5190	-10.92	±20
		CH40	5199.9421	5200	-11.13	±20
		CH42	5209.9471	5210	-10.15	±20
		CH46	5229.9444	5230	-10.63	±20
		CH48	5239.9358	5240	-12.25	±20
		CH149	5744.9419	5745	-10.11	±20
		CH151	5754.9376	5755	-10.84	±20
		CH155	5774.9375	5775	-10.82	±20
		CH157	5784.9366	5785	-10.96	±20
		CH159	5794.9334	5795	-11.49	±20
		CH165	5824.9364	5825	-10.92	±20

Conclusion: PASS

Test Voltage	Temperature	CH	Max. Reading (MHz)	Target Frequency (MHz)	Result (ppm)	Limit (ppm)
AC 120V	15℃	CH36	5179.943	5180	-11.00	±20
		CH38	5189.9491	5190	-9.81	±20
		CH40	5199.9408	5200	-11.38	±20
		CH42	5209.9434	5210	-10.86	±20
		CH46	5229.9416	5230	-11.17	±20
		CH48	5239.9348	5240	-12.44	±20
		CH149	5744.9311	5745	-11.99	±20
		CH151	5754.9379	5755	-10.79	±20
		CH155	5774.9321	5775	-11.76	±20
		CH157	5784.9319	5785	-11.77	±20
		CH159	5794.9365	5795	-10.96	±20
		CH165	5824.9356	5825	-11.06	±20

Conclusion: PASS

Test Voltage	Temperature	CH	Max. Reading (MHz)	Target Frequency (MHz)	Result (ppm)	Limit (ppm)
AC 120V	25℃	CH36	5179.9445	5180	-10.71	±20
		CH38	5189.9460	5190	-10.40	±20
		CH40	5199.9455	5200	-10.48	±20
		CH42	5209.9485	5210	-9.88	±20
		CH46	5229.9440	5230	-10.71	±20
		CH48	5239.9430	5240	-10.88	±20
		CH149	5744.9355	5745	-11.23	±20
		CH151	5754.9390	5755	-10.60	±20
		CH155	5774.9395	5775	-10.48	±20
		CH157	5784.9365	5785	-10.98	±20
		CH159	5794.9390	5795	-10.53	±20
		CH165	5824.9365	5825	-10.90	±20

Conclusion: PASS

Test Voltage	Temperature	CH	Max. Reading (MHz)	Target Frequency (MHz)	Result (ppm)	Limit (ppm)
AC 120V	35℃	CH36	5179.9468	5180	-10.27	±20
		CH38	5189.9487	5190	-9.88	±20
		CH40	5199.9483	5200	-9.94	±20
		CH42	5209.9484	5210	-9.90	±20
		CH46	5229.9492	5230	-9.71	±20
		CH48	5239.9437	5240	-10.74	±20
		CH149	5744.9301	5745	-12.17	±20
		CH151	5754.9307	5755	-12.04	±20
		CH155	5774.9367	5775	-10.96	±20
		CH157	5784.9342	5785	-11.37	±20
		CH159	5794.9379	5795	-10.72	±20
		CH165	5824.9353	5825	-11.11	±20

Conclusion: PASS

Test Voltage	Temperature	CH	Max. Reading (MHz)	Target Frequency (MHz)	Result (ppm)	Limit (ppm)
AC 120V	45℃	CH36	5179.9483	5180	-9.98	±20
		CH38	5189.9498	5190	-9.67	±20
		CH40	5199.9466	5200	-10.27	±20
		CH42	5209.9498	5210	-9.64	±20
		CH46	5229.9491	5230	-9.73	±20
		CH48	5239.9411	5240	-11.24	±20
		CH149	5744.9377	5745	-10.84	±20
		CH151	5754.9301	5755	-12.15	±20
		CH155	5774.9333	5775	-11.55	±20
		CH157	5784.9364	5785	-10.99	±20
		CH159	5794.9357	5795	-11.10	±20
		CH165	5824.9361	5825	-10.97	±20

Conclusion: PASS

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 15.407 (a), 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 5dBi.

12. DEVIATION TO TEST SPECIFICATIONS

[NONE]