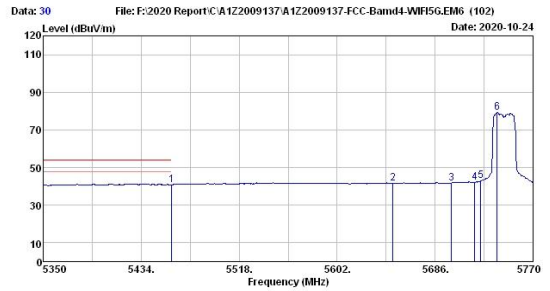


File: F:\2020 Report\C\A1Z2009137\A1Z2009137-FCC-Band4-WIFI5G.EM6 (102)
 Date: 2020-10-24
 Site no. : 3m Chamber Data no. : 29
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC 15E AV
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11n HT20 5745MHz Tx Mode

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	34.22	7.77	31.98	33.02	40.95	54.00	13.05	Average
2	5550.00	34.40	7.89	32.27	32.94	41.62	-----	-----	Average
3	5700.00	34.40	7.91	32.41	32.92	41.80	-----	-----	Average
4	5720.00	34.40	7.93	33.48	32.91	42.90	-----	-----	Average
5	5725.00	34.40	7.93	35.65	32.91	45.07	-----	-----	Average
6	5750.26	34.40	7.94	76.37	32.90	85.81	-----	-----	Average

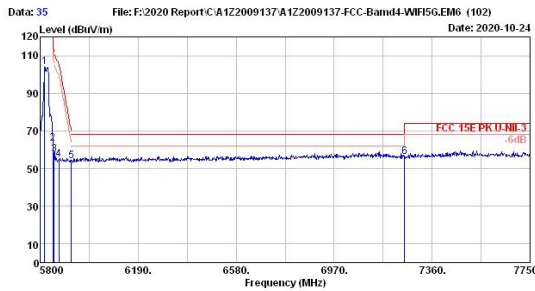
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



File: F:\2020 Report\C\A1Z2009137\A1Z2009137-FCC-Band4-WIFI5G.EM6 (102)
 Date: 2020-10-24
 Site no. : 3m Chamber Data no. : 30
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : VERTICAL
 Limit : FCC 15E AV
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11n HT20 5745MHz Tx Mode

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	34.22	7.77	31.91	33.02	40.88	54.00	13.12	Average
2	5550.00	34.40	7.89	32.28	32.94	41.63	-----	-----	Average
3	5700.00	34.40	7.91	32.37	32.92	41.76	-----	-----	Average
4	5720.00	34.40	7.93	32.69	32.91	42.11	-----	-----	Average
5	5725.00	34.40	7.93	33.46	32.91	42.88	-----	-----	Average
6	5739.34	34.40	7.94	69.64	32.90	79.08	-----	-----	Average

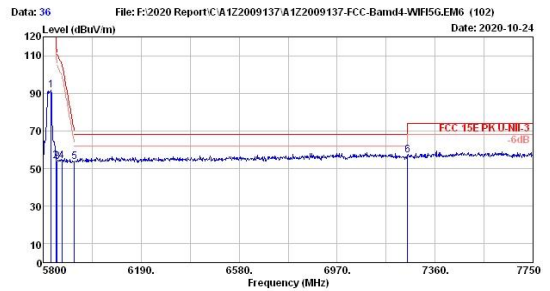
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



File: F:\2020 Report\C\A1Z2009137\A1Z2009137-FCC-Band4-WIFI5G.EM6 (102)
 Date: 2020-10-24
 Site no. : 3m Chamber Data no. : 35
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC 15E PK U-NII-3
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11n HT20 5825MHz Tx Mode

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	5817.55	34.40	7.96	94.50	32.87	104.01	-----	-----	Peak
2	5850.00	34.40	8.00	53.64	32.86	63.18	122.20	59.02	Peak
3	5855.00	34.40	8.01	46.02	32.85	57.58	110.80	53.22	Peak
4	5875.00	34.40	8.02	45.28	32.85	54.85	105.20	50.35	Peak
5	5925.00	34.40	8.05	44.59	32.83	54.21	68.20	13.99	Peak
6	7250.00	36.05	8.82	44.50	33.03	56.34	68.20	11.66	Peak

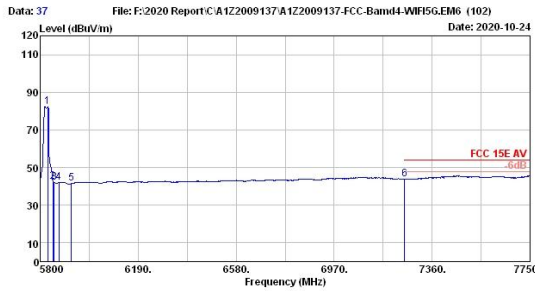
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



File: F:\2020 Report\C\A1Z2009137\A1Z2009137-FCC-Band4-WIFI5G.EM6 (102)
 Date: 2020-10-24
 Site no. : 3m Chamber Data no. : 36
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : VERTICAL
 Limit : FCC 15E PK U-NII-3
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11n HT20 5825MHz Tx Mode

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	5831.20	34.40	7.99	82.10	32.87	91.62	-----	-----	Peak
2	5850.00	34.40	8.00	44.49	32.86	54.03	122.20	68.17	Peak
3	5855.00	34.40	8.01	43.95	32.85	53.51	110.80	57.29	Peak
4	5875.00	34.40	8.02	44.58	32.85	54.15	105.20	51.05	Peak
5	5925.00	34.40	8.05	43.99	32.83	53.61	68.20	14.59	Peak
6	7250.00	36.05	8.82	45.30	33.03	57.14	68.20	11.06	Peak

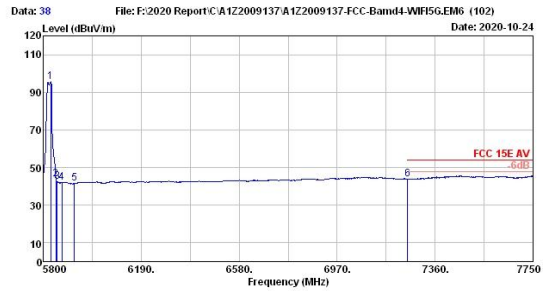
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



File: F:\2020 Report\C\A1Z2009137\A1Z2009137-FCC-Band4-WIFI5G.EM6 (102)
 Date: 2020-10-24
 Site no. : 3m Chamber Data no. : 37
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : VERTICAL
 Limit : FCC 15E AV
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11n HT20 5825MHz Tx Mode

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	5829.25	34.40	7.99	72.89	32.87	82.41	54.00	28.41	Average
2	5850.00	34.40	8.00	33.13	32.86	42.57	54.00	11.43	Average
3	5855.00	34.40	8.01	32.54	32.85	42.10	54.00	11.90	Average
4	5875.00	34.40	8.02	32.33	32.85	41.90	54.00	12.10	Average
5	5925.00	34.40	8.05	32.02	32.83	41.64	54.00	12.36	Average
6	7250.00	36.05	8.82	32.20	33.03	44.04	54.00	9.96	Average

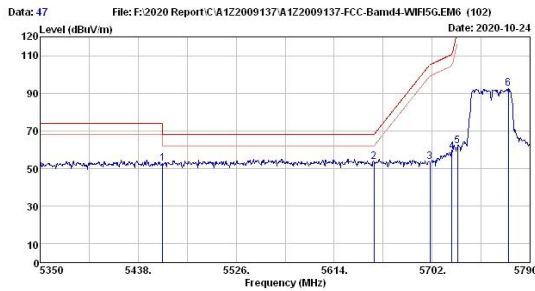
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



File: F:\2020 Report\C\A1Z2009137\A1Z2009137-FCC-Band4-WIFI5G.EM6 (102)
 Date: 2020-10-24
 Site no. : 3m Chamber Data no. : 38
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC 15E AV
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11n HT20 5825MHz Tx Mode

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	5829.25	34.40	7.99	85.95	32.87	95.47	54.00	41.47	Average
2	5850.00	34.40	8.00	34.52	32.86	44.06	54.00	9.94	Average
3	5855.00	34.40	8.01	33.15	32.85	42.71	54.00	11.29	Average
4	5875.00	34.40	8.02	32.29	32.85	41.66	54.00	12.34	Average
5	5925.00	34.40	8.05	31.98	32.83	41.60	54.00	12.40	Average
6	7250.00	36.05	8.82	32.09	33.03	43.93	54.00	10.07	Average

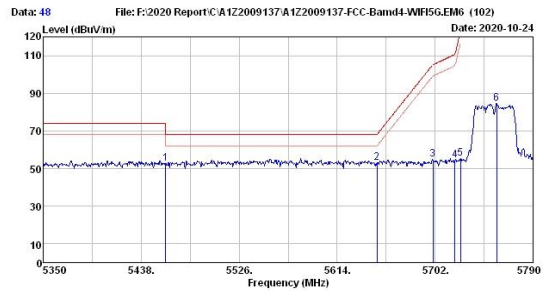
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



File: F:\2020 Report\C\A1Z2009137\A1Z2009137-FCC-Band4-WIFI5G.EM6 (102)
 Date: 2020-10-24
 Site no. : 3m Chamber Data no. : 47
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC 15E PK U-NII-3
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11n HT40 5755MHz Tx Mode

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	34.22	7.77	43.81	33.02	52.78	68.20	15.42	Peak
2	5650.00	34.40	7.89	44.35	32.94	53.70	68.20	14.50	Peak
3	5700.00	34.40	7.91	44.00	32.92	53.39	105.20	51.81	Peak
4	5720.00	34.40	7.93	49.55	32.91	58.97	110.80	51.83	Peak
5	5725.00	34.40	7.93	52.69	32.91	62.11	122.80	60.69	Peak
6	5770.64	34.40	7.96	82.91	32.89	92.38	122.80	69.58	Peak

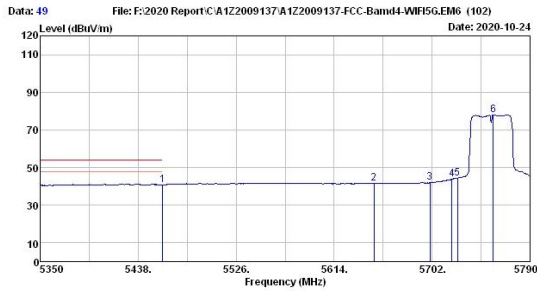
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



File: F:\2020 Report\C\A1Z2009137\A1Z2009137-FCC-Band4-WIFI5G.EM6 (102)
 Date: 2020-10-24
 Site no. : 3m Chamber Data no. : 48
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : VERTICAL
 Limit : FCC 15E PK U-NII-3
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11n HT40 5755MHz Tx Mode

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	34.22	7.77	43.93	33.02	52.90	68.20	15.30	Peak
2	5650.00	34.40	7.89	43.61	32.94	52.96	68.20	15.24	Peak
3	5700.00	34.40	7.91	45.41	32.92	54.60	105.20	50.40	Peak
4	5720.00	34.40	7.93	45.09	32.91	54.51	110.80	56.29	Peak
5	5725.00	34.40	7.93	45.86	32.91	55.28	122.80	67.52	Peak
6	5757.44	34.40	7.95	75.00	32.89	84.46	122.80	61.66	Peak

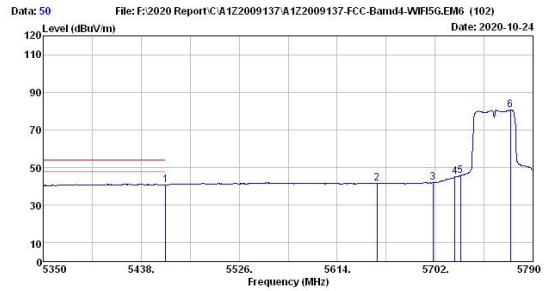
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



File: F:\2020 Report\C\A1Z2009137\A1Z2009137-FCC-Band4-WIFI5G-EM6 (102)
 Date: 2020-10-24
 Site no. : 3m Chamber Data no. : 49
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : VERTICAL
 Limit : FCC 15E AV
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11n HT40 5755MHz Tx Mode

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	34.22	7.77	31.87	33.02	40.84	54.00	13.16	Average
2	5550.00	34.40	7.89	32.39	32.94	41.74	-----	-----	Average
3	5700.00	34.40	7.91	32.46	32.92	41.85	-----	-----	Average
4	5720.00	34.40	7.93	34.38	32.91	43.80	-----	-----	Average
5	5725.00	34.40	7.93	35.01	32.91	44.43	-----	-----	Average
6	5757.00	34.40	7.95	68.63	32.89	78.09	-----	-----	Average

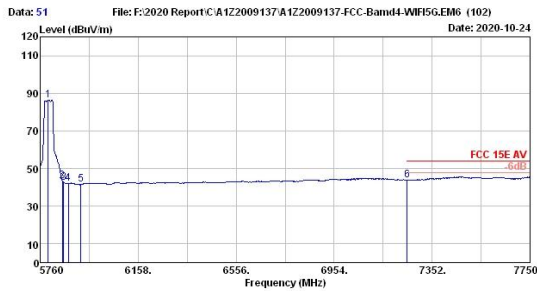
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



File: F:\2020 Report\C\A1Z2009137\A1Z2009137-FCC-Band4-WIFI5G-EM6 (102)
 Date: 2020-10-24
 Site no. : 3m Chamber Data no. : 50
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC 15E AV
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11n HT40 5755MHz Tx Mode

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	34.22	7.77	31.90	33.02	40.87	54.00	13.13	Average
2	5550.00	34.40	7.89	32.46	32.94	41.81	-----	-----	Average
3	5700.00	34.40	7.91	32.57	32.92	41.96	-----	-----	Average
4	5720.00	34.40	7.93	35.59	32.91	45.01	-----	-----	Average
5	5725.00	34.40	7.93	36.26	32.91	45.68	-----	-----	Average
6	5769.76	34.40	7.96	71.18	32.89	80.65	-----	-----	Average

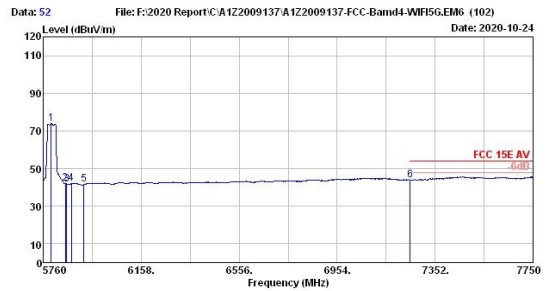
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



File: F:\2020 Report\C\A1Z2009137\A1Z2009137-FCC-Band4-WIFI5G-EM6 (102)
 Date: 2020-10-24
 Site no. : 3m Chamber Data no. : 51
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC 15E AV
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11n HT40 5795MHz Tx Mode

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	5791.84	34.40	7.97	76.98	32.88	86.37	-----	-----	Average
2	5850.00	34.40	8.00	33.95	32.86	43.49	-----	-----	Average
3	5855.00	34.40	8.01	33.17	32.85	42.73	-----	-----	Average
4	5875.00	34.40	8.02	32.44	32.85	42.01	-----	-----	Average
5	5925.00	34.40	8.05	31.90	32.83	41.52	-----	-----	Average
6	7250.00	36.05	8.82	32.12	33.03	43.96	54.00	10.04	Average

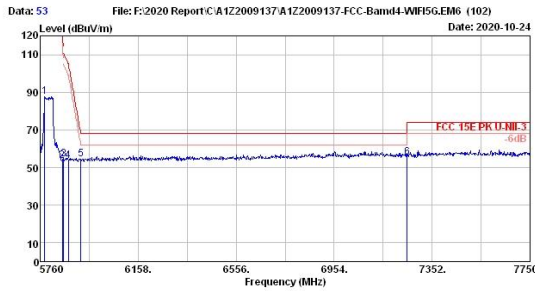
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



File: F:\2020 Report\C\A1Z2009137\A1Z2009137-FCC-Band4-WIFI5G-EM6 (102)
 Date: 2020-10-24
 Site no. : 3m Chamber Data no. : 52
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : VERTICAL
 Limit : FCC 15E AV
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11n HT40 5795MHz Tx Mode

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	5791.84	34.40	7.97	64.32	32.88	73.81	-----	-----	Average
2	5850.00	34.40	8.00	32.46	32.86	42.00	-----	-----	Average
3	5855.00	34.40	8.01	32.24	32.85	41.60	-----	-----	Average
4	5875.00	34.40	8.02	32.34	32.85	41.91	-----	-----	Average
5	5925.00	34.40	8.05	31.83	32.83	41.45	-----	-----	Average
6	7250.00	36.05	8.82	32.12	33.03	43.96	54.00	10.04	Average

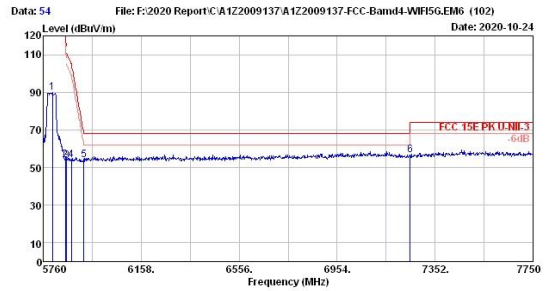
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 53
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : VERTICAL
 Limit : FCC 15E PK U-NII-3
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11n HT40 5795MHz Tx Mode

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	5777.91	34.40	7.96	78.22	32.89	87.69	-----	-----	Peak
2	5850.00	34.40	8.00	44.25	32.86	53.79	122.20	68.41	Peak
3	5855.00	34.40	8.01	44.99	32.85	54.55	110.80	56.25	Peak
4	5875.00	34.40	8.02	44.11	32.85	53.68	105.20	51.52	Peak
5	5925.00	34.40	8.05	44.67	32.83	54.29	68.20	13.91	Peak
6	7250.00	36.05	8.82	43.63	33.03	55.47	68.20	12.73	Peak

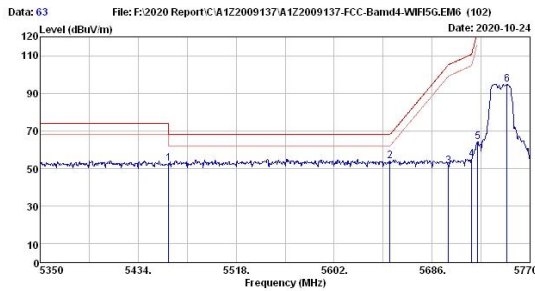
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 54
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC 15E PK U-NII-3
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11n HT40 5795MHz Tx Mode

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	5797.81	34.40	7.97	80.52	32.88	90.01	-----	-----	Peak
2	5850.00	34.40	8.00	44.47	32.86	54.01	122.20	68.19	Peak
3	5855.00	34.40	8.01	43.96	32.85	53.52	110.80	57.28	Peak
4	5875.00	34.40	8.02	44.38	32.85	53.95	105.20	51.25	Peak
5	5925.00	34.40	8.05	44.23	32.83	53.85	68.20	14.35	Peak
6	7250.00	36.05	8.82	44.79	33.03	56.63	68.20	11.57	Peak

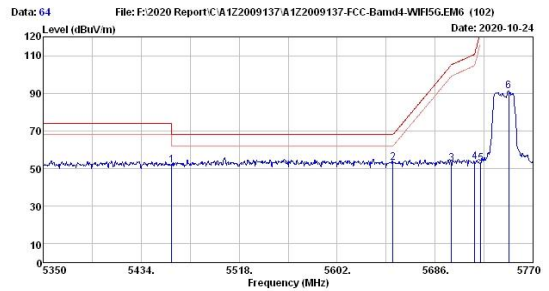
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 63
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC 15E PK U-NII-3
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11acVHT20 5745MHz Tx Mode

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	34.22	7.77	43.92	33.02	52.89	68.20	15.31	Peak
2	5650.00	34.40	7.89	44.87	32.94	54.22	68.20	13.98	Peak
3	5700.00	34.40	7.91	42.16	32.92	51.55	105.20	53.65	Peak
4	5720.00	34.40	7.93	45.63	32.91	55.05	110.80	55.75	Peak
5	5725.00	34.40	7.93	54.90	32.91	64.32	122.80	58.48	Peak
6	5750.26	34.40	7.94	85.49	32.90	94.93	-----	-----	Peak

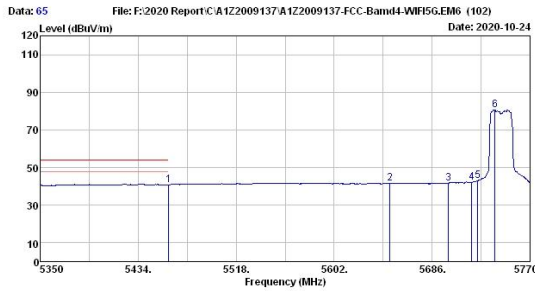
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 64
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : VERTICAL
 Limit : FCC 15E PK U-NII-3
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11acVHT20 5745MHz Tx Mode

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	34.22	7.77	42.78	33.02	51.75	68.20	16.45	Peak
2	5650.00	34.40	7.89	43.90	32.94	53.25	68.20	14.95	Peak
3	5700.00	34.40	7.91	43.42	32.92	52.61	105.20	52.39	Peak
4	5720.00	34.40	7.93	44.11	32.91	53.53	110.80	57.27	Peak
5	5725.00	34.40	7.93	43.24	32.91	52.66	122.80	70.14	Peak
6	5749.00	34.40	7.94	81.84	32.90	91.28	-----	-----	Peak

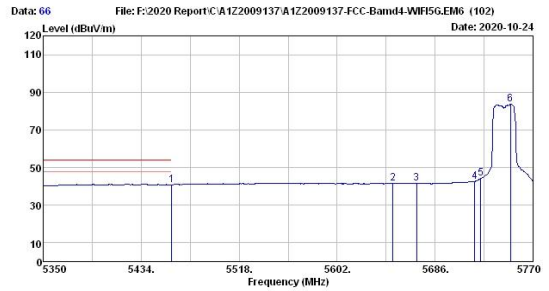
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 65
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : VERTICAL
 Limit : FCC 15E AV
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11acVHT20 5745MHz Tx Mode

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	34.22	7.77	31.91	33.02	40.78	54.00	13.22	Average
2	5550.00	34.40	7.89	32.22	32.94	41.57	-----	-----	Average
3	5700.00	34.40	7.91	32.28	32.92	41.67	-----	-----	Average
4	5720.00	34.40	7.93	32.67	32.91	42.09	-----	-----	Average
5	5725.00	34.40	7.93	33.59	32.91	43.01	-----	-----	Average
6	5739.76	34.40	7.94	71.16	32.90	80.60	-----	-----	Average

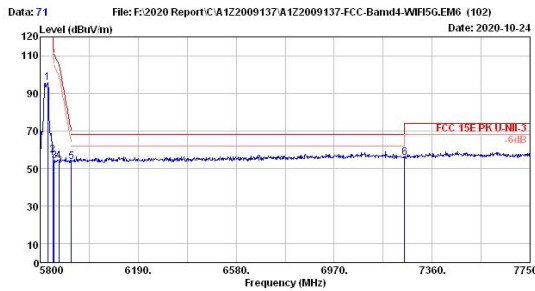
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 66
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC 15E AV
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11acVHT20 5745MHz Tx Mode

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	34.22	7.77	31.79	33.02	40.76	54.00	13.24	Average
2	5550.00	34.40	7.89	32.22	32.94	41.57	-----	-----	Average
3	5670.00	34.40	7.90	32.07	32.93	41.44	-----	-----	Average
4	5720.00	34.40	7.93	33.14	32.91	42.56	-----	-----	Average
5	5725.00	34.40	7.93	34.70	32.91	44.12	-----	-----	Average
6	5750.68	34.40	7.94	74.27	32.90	83.71	-----	-----	Average

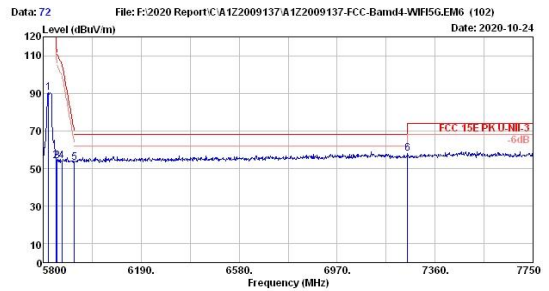
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 71
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC 15E PK U-NII-3
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11acVHT20 5825MHz Tx Mode

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	5829.25	34.40	7.99	86.34	32.87	95.86	-----	-----	Peak
2	5850.00	34.40	8.00	47.45	32.86	56.99	122.20	65.21	Peak
3	5855.00	34.40	8.01	44.60	32.85	54.16	110.80	56.64	Peak
4	5875.00	34.40	8.02	44.61	32.85	54.18	105.20	51.02	Peak
5	5925.00	34.40	8.05	43.93	32.83	53.55	68.20	14.65	Peak
6	7250.00	36.05	8.82	43.79	33.03	55.63	68.20	12.57	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.

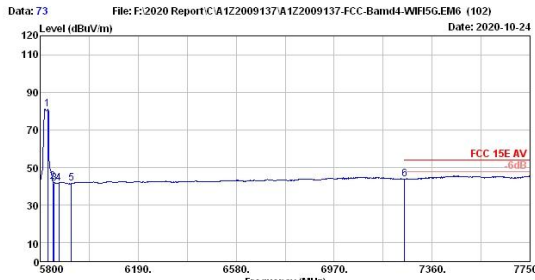


Site no. : 3m Chamber Data no. : 72
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : VERTICAL
 Limit : FCC 15E PK U-NII-3
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11acVHT20 5825MHz Tx Mode

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	5821.45	34.40	7.99	80.95	32.87	90.37	-----	-----	Peak
2	5850.00	34.40	8.00	44.38	32.86	53.92	122.20	68.28	Peak
3	5855.00	34.40	8.01	44.26	32.85	53.62	110.80	56.98	Peak
4	5875.00	34.40	8.02	44.27	32.85	53.84	105.20	51.36	Peak
5	5925.00	34.40	8.05	43.56	32.83	53.18	68.20	15.02	Peak
6	7250.00	36.05	8.82	45.96	33.03	57.60	68.20	10.40	Peak

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

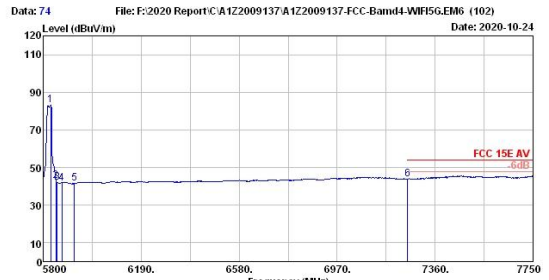
FCC ID: 2AU3BU9W34



Site no. : 3m Chamber Data no. : 73
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : VERTICAL
 Limit : FCC 15E AV
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11acVHT20 S825MHz Tx Mode

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	5829.25	34.40	7.99	71.61	32.87	81.13	54.00	27.13	Average
2	5850.00	34.40	8.00	32.78	32.85	42.32	54.00	11.68	Average
3	5855.00	34.40	8.01	32.24	32.85	41.80	54.00	12.20	Average
4	5875.00	34.40	8.02	32.23	32.85	41.80	54.00	12.20	Average
5	5925.00	34.40	8.05	31.96	32.83	41.58	54.00	12.42	Average
6	7250.00	36.05	8.82	32.08	33.03	43.92	54.00	10.08	Average

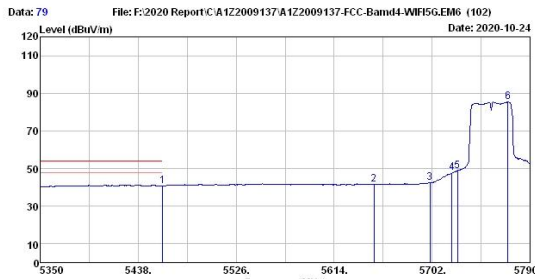
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 74
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC 15E AV
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11acVHT20 S825MHz Tx Mode

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	5829.25	34.40	7.99	73.74	32.87	83.26	54.00	29.26	Average
2	5850.00	34.40	8.00	33.37	32.85	42.91	54.00	11.09	Average
3	5855.00	34.40	8.01	32.59	32.85	42.15	54.00	11.85	Average
4	5875.00	34.40	8.02	32.24	32.85	41.61	54.00	12.39	Average
5	5925.00	34.40	8.05	32.02	32.83	41.64	54.00	12.36	Average
6	7250.00	36.05	8.82	32.17	33.03	44.01	54.00	9.99	Average

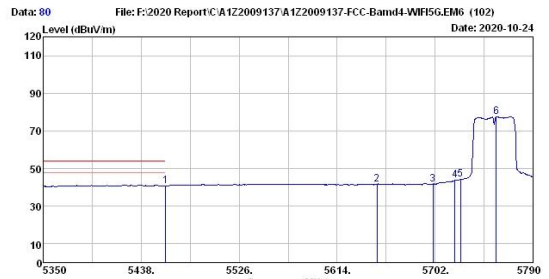
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 79
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC 15E AV
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11acVHT40 S755MHz Tx Mode

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	34.22	7.77	31.93	33.02	40.90	54.00	13.10	Average
2	5650.00	34.40	7.89	32.44	32.94	41.79	54.00	12.21	Average
3	5700.00	34.40	7.91	32.96	32.92	42.35	54.00	11.65	Average
4	5720.00	34.40	7.93	38.30	32.91	47.72	54.00	6.28	Average
5	5725.00	34.40	7.93	39.42	32.91	48.84	54.00	5.16	Average
6	5770.20	34.40	7.96	75.88	32.89	85.35	54.00	31.35	Average

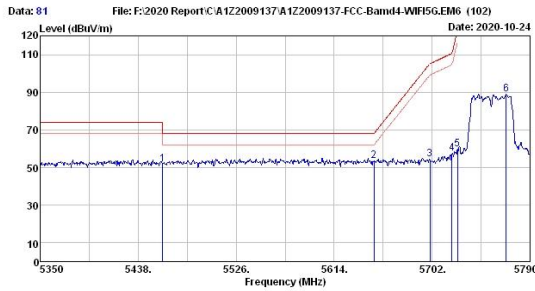
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 80
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : VERTICAL
 Limit : FCC 15E AV
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11acVHT40 S755MHz Tx Mode

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	34.22	7.77	31.87	33.02	40.84	54.00	13.16	Average
2	5650.00	34.40	7.89	32.41	32.94	41.76	54.00	12.24	Average
3	5700.00	34.40	7.91	32.40	32.92	41.79	54.00	12.21	Average
4	5720.00	34.40	7.93	34.37	32.91	43.79	54.00	10.21	Average
5	5725.00	34.40	7.93	34.74	32.91	44.16	54.00	9.84	Average
6	5757.00	34.40	7.95	68.06	32.89	77.52	54.00	23.52	Average

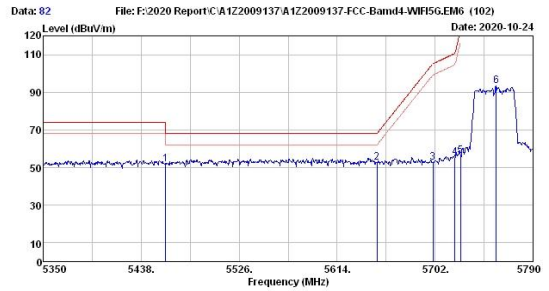
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



File: F:\2020 Report\C\A1Z2009137\A1Z2009137-FCC-Band4-WIFI5G.EM6 (102)
 Date: 2020-10-24
 Site no. : 3m Chamber Data no. : 81
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : VERTICAL
 Limit : FCC 15E PK U-NII-3
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11acVHT40 5755MHz Tx Mode

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	34.22	7.77	42.92	33.02	51.89	68.20	16.31	Peak
2	5550.00	34.40	7.89	44.25	32.94	53.60	68.20	14.60	Peak
3	5700.00	34.40	7.91	44.94	32.92	54.33	105.20	50.87	Peak
4	5720.00	34.40	7.93	48.15	32.91	57.57	110.80	53.23	Peak
5	5725.00	34.40	7.93	50.27	32.91	59.69	122.80	63.11	Peak
6	5768.44	34.40	7.95	79.62	32.89	89.08	-----	-----	Peak

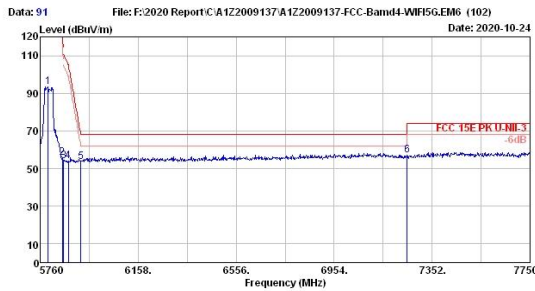
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



File: F:\2020 Report\C\A1Z2009137\A1Z2009137-FCC-Band4-WIFI5G.EM6 (102)
 Date: 2020-10-24
 Site no. : 3m Chamber Data no. : 82
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC 15E PK U-NII-3
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11acVHT40 5755MHz Tx Mode

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	34.22	7.77	42.91	33.02	51.88	68.20	16.32	Peak
2	5550.00	34.40	7.89	43.37	32.94	52.72	68.20	15.48	Peak
3	5700.00	34.40	7.91	43.37	32.92	52.76	105.20	52.44	Peak
4	5720.00	34.40	7.93	46.10	32.91	55.52	110.80	55.28	Peak
5	5725.00	34.40	7.93	46.81	32.91	56.23	122.80	66.57	Peak
6	5757.00	34.40	7.95	83.88	32.89	93.34	-----	-----	Peak

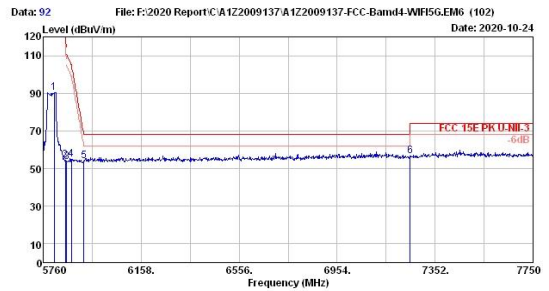
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



File: F:\2020 Report\C\A1Z2009137\A1Z2009137-FCC-Band4-WIFI5G.EM6 (102)
 Date: 2020-10-24
 Site no. : 3m Chamber Data no. : 91
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC 15E PK U-NII-3
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11acVHT40 5795MHz Tx Mode

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	5791.84	34.40	7.97	84.05	32.88	93.54	-----	-----	Peak
2	5850.00	34.40	8.00	46.11	32.86	55.65	122.20	66.55	Peak
3	5855.00	34.40	8.01	44.35	32.85	53.91	110.80	56.89	Peak
4	5875.00	34.40	8.02	44.55	32.85	54.12	105.20	51.08	Peak
5	5925.00	34.40	8.05	44.04	32.83	53.66	68.20	14.54	Peak
6	7250.00	36.05	8.82	45.10	33.03	56.94	68.20	11.26	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.

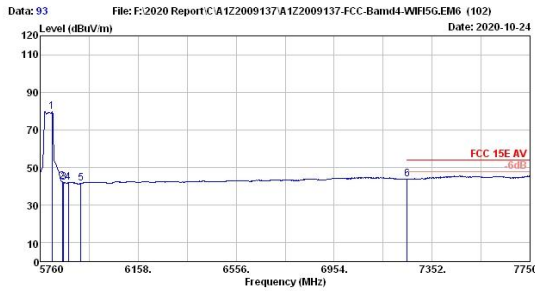


File: F:\2020 Report\C\A1Z2009137\A1Z2009137-FCC-Band4-WIFI5G.EM6 (102)
 Date: 2020-10-24
 Site no. : 3m Chamber Data no. : 92
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : VERTICAL
 Limit : FCC 15E PK U-NII-3
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11acVHT40 5795MHz Tx Mode

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	5803.78	34.40	7.98	80.98	32.87	90.49	-----	-----	Peak
2	5850.00	34.40	8.00	45.03	32.86	54.57	122.20	67.63	Peak
3	5855.00	34.40	8.01	44.16	32.85	53.72	110.80	57.08	Peak
4	5875.00	34.40	8.02	45.12	32.85	54.69	105.20	50.51	Peak
5	5925.00	34.40	8.05	44.24	32.83	53.86	68.20	14.34	Peak
6	7250.00	36.05	8.82	44.92	33.03	56.76	68.20	11.44	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.

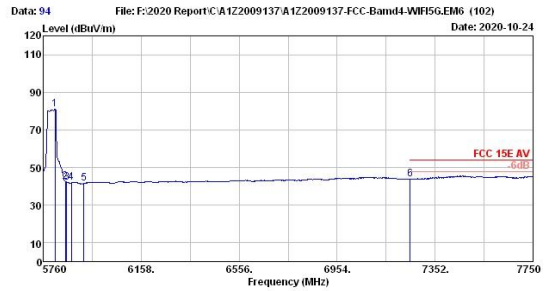
FCC ID: 2AU3BU9W34



Data: 93 File: F:\2020 Report\C\A1Z2009137\A1Z2009137-FCC-Band4-WIFI5G.EM6 (102) Date: 2020-10-24
 Site no. : 3m Chamber Data no. : 93
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : VERTICAL
 Limit : FCC 15E AV
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11acVHT40 5795MHz Tx Mode

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	5807.76	34.40	7.98	70.08	32.87	79.59	-----	-----	Average
2	5850.00	34.40	8.00	32.96	32.86	42.50	-----	-----	Average
3	5855.00	34.40	8.01	32.45	32.85	42.01	-----	-----	Average
4	5875.00	34.40	8.02	32.38	32.85	41.95	-----	-----	Average
5	5925.00	34.40	8.05	31.81	32.83	41.43	-----	-----	Average
6	7250.00	36.05	8.82	32.11	33.03	43.95	54.00	10.05	Average

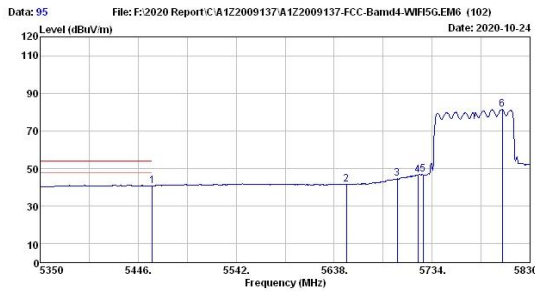
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Data: 94 File: F:\2020 Report\C\A1Z2009137\A1Z2009137-FCC-Band4-WIFI5G.EM6 (102) Date: 2020-10-24
 Site no. : 3m Chamber Data no. : 94
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC 15E AV
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11acVHT40 5795MHz Tx Mode

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	5807.76	34.40	7.98	71.70	32.87	81.21	-----	-----	Average
2	5850.00	34.40	8.00	32.98	32.86	42.52	-----	-----	Average
3	5855.00	34.40	8.01	32.54	32.85	42.10	-----	-----	Average
4	5875.00	34.40	8.02	32.31	32.85	41.88	-----	-----	Average
5	5925.00	34.40	8.05	31.93	32.83	41.55	-----	-----	Average
6	7250.00	36.05	8.82	32.13	33.03	43.97	54.00	10.03	Average

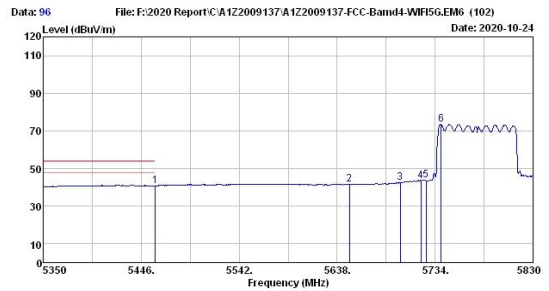
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Data: 95 File: F:\2020 Report\C\A1Z2009137\A1Z2009137-FCC-Band4-WIFI5G.EM6 (102) Date: 2020-10-24
 Site no. : 3m Chamber Data no. : 95
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC 15E AV
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11acVHT80 5775MHz Tx Mode

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	34.22	7.77	31.76	33.02	40.73	54.00	13.27	Average
2	5650.00	34.40	7.89	32.28	32.94	41.63	-----	-----	Average
3	5700.00	34.40	7.91	35.15	32.92	44.54	-----	-----	Average
4	5720.00	34.40	7.93	37.15	32.91	46.57	-----	-----	Average
5	5725.00	34.40	7.93	37.37	32.91	46.79	-----	-----	Average
6	5802.64	34.40	7.98	71.88	32.87	81.39	-----	-----	Average

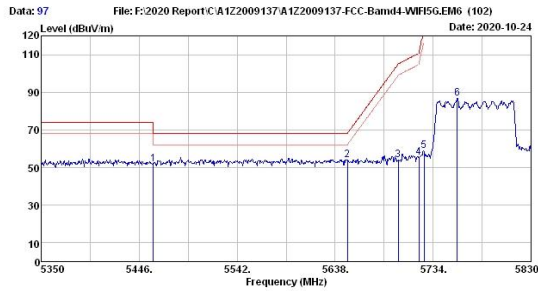
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Data: 96 File: F:\2020 Report\C\A1Z2009137\A1Z2009137-FCC-Band4-WIFI5G.EM6 (102) Date: 2020-10-24
 Site no. : 3m Chamber Data no. : 96
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : VERTICAL
 Limit : FCC 15E AV
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11acVHT80 5775MHz Tx Mode

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	34.22	7.77	31.81	33.02	40.78	54.00	13.22	Average
2	5650.00	34.40	7.89	32.23	32.94	41.58	-----	-----	Average
3	5700.00	34.40	7.91	33.02	32.92	42.41	-----	-----	Average
4	5720.00	34.40	7.93	34.19	32.91	43.61	-----	-----	Average
5	5725.00	34.40	7.93	34.39	32.91	43.81	-----	-----	Average
6	5739.76	34.40	7.94	64.01	32.90	73.45	-----	-----	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.

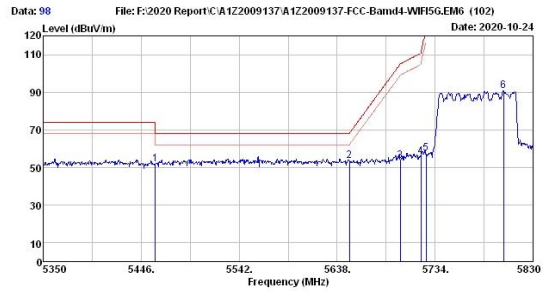


Data: 97 File: F:\2020 Report\C\A122009137\A122009137-FCC-Band4-WIFI5G.EM6 (102) Date: 2020-10-24

Site no. : 3m Chamber Data no. : 97
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : VERTICAL
 Limit : FCC 15E PK U-NII-3
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11acVHT80 5775MHz Tx Mode

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	34.22	7.77	42.90	33.02	51.87	68.20	16.33	Peak
2	5550.00	34.40	7.89	44.54	32.94	53.69	68.20	14.51	Peak
3	5700.00	34.40	7.91	44.51	32.92	53.90	105.20	51.30	Peak
4	5720.00	34.40	7.93	46.06	32.91	55.48	110.80	55.32	Peak
5	5725.00	34.40	7.93	49.62	32.91	59.04	122.80	63.76	Peak
6	5757.52	34.40	7.95	77.34	32.89	86.80	-----	-----	Peak

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



Data: 98 File: F:\2020 Report\C\A122009137\A122009137-FCC-Band4-WIFI5G.EM6 (102) Date: 2020-10-24

Site no. : 3m Chamber Data no. : 98
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC 15E PK U-NII-3
 Env. / Ins. : 23.6°C/52.5% Engineer : Garry
 Power rating : DC 5V From Notebook Input AC 120V/60Hz
 Test Mode : 802.11acVHT80 5775MHz Tx Mode

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	34.22	7.77	42.95	33.02	51.92	68.20	16.28	Peak
2	5550.00	34.40	7.89	44.15	32.94	53.50	68.20	14.70	Peak
3	5700.00	34.40	7.91	44.01	32.92	53.40	105.20	51.80	Peak
4	5720.00	34.40	7.93	46.44	32.91	55.66	110.80	54.94	Peak
5	5725.00	34.40	7.93	48.27	32.91	57.69	122.80	65.11	Peak
6	5801.20	34.40	7.97	81.42	32.86	90.91	-----	-----	Peak

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

6. 6dB & 26dB & 99% Bandwidth Test

6.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	PXA Signal Analyzer	Agilent	N9030A	MY51380221	Apr.12,20	1 Year
2.	Attenuator	Agilent	8491B	MY39269201	Oct.12,20	1 Year
3.	RF Cable	EMCI	EMC102-KM-KM 3500	170702	Apr.12,20	1 Year

6.2. Limit

6dB Bandwidth should be not less than 500kHz

6.3. Test Procedure

26dB Bandwidth:

Use the test method described in ANSI C63.10 clause 12.4.1:

- (a) Set RBW = approximately 1% of the emission bandwidth.
- (b) Set the VBW > RBW.
- (c) Detector = Peak.
- (d) Trace mode = max hold.
- (e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

6dB Bandwidth:

Use the test method described in 789033 D02 v02r01:

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 kHz for the band 5.725–5.85 GHz. The following procedure shall be used for measuring this bandwidth:

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

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described in this section. For devices that use channel aggregation refer to III.A and III.C for determining emission bandwidth.

99% Occupied bandwidth:

Use the test method described in ANSI C63.10 Section 6.9.2:

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

- a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (OBW/RBW)]$ below the reference level. Specific guidance is given in 4.1.5.2.
- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

6.4. Test Results

U-NII-1 Band:

EUT: WiFi module		
M/N: U9W34		
Test date: 2020-10-19~21	Pressure: 102.3 ±1.0 kpa	Humidity: 53.6 ±3.0%
Tested by: Leo	Test site: RF site	Temperature: 25.5 ±0.6 °C

26dB bandwidth:

Test Mode	Frequency (MHz)	26dB Bandwidth (MHz)		Limit (KHz)
		ANT A	ANT B	
11a	5180	27.48	20.89	N/A
	5200	24.44	20.12	N/A
	5240	26.25	20.51	N/A
11n HT20	5180	26.30	22.10	N/A
	5200	26.18	19.72	N/A
	5240	29.01	20.01	N/A
11n HT40	5190	65.26	39.63	N/A
	5230	64.54	40.07	N/A
11ac VHT20	5180	25.75	21.17	N/A
	5200	25.87	20.86	N/A
	5240	25.96	20.77	N/A
11ac VHT40	5190	64.50	43.31	N/A
	5230	64.92	40.45	N/A
11ac VHT80	5210	117.3	85.75	N/A
Conclusion: PASS				

99% Occupied bandwidth:

Test Mode	Frequency (MHz)	99% bandwidth (MHz)		Limit (KHz)
		ANT A	ANT B	
11a	5180	16.767	16.506	N/A
	5200	16.731	16.458	N/A
	5240	16.769	16.489	N/A
11n HT20	5180	17.816	16.491	N/A
	5200	17.837	16.483	N/A
	5240	17.860	16.475	N/A
11n HT40	5190	36.528	36.123	N/A
	5230	36.428	36.120	N/A
11ac VHT20	5180	17.796	17.744	N/A
	5200	17.800	17.724	N/A
	5240	17.835	17.720	N/A
11ac VHT40	5190	36.402	36.174	N/A
	5230	36.445	36.175	N/A
11ac VHT80	5210	76.069	75.563	N/A
Conclusion: PASS				

U-NII-3 Band:

EUT: WiFi module		
M/N: U9W34		
Test date: 2020-10-21~28	Pressure: 102.3±1.0 kpa	Humidity: 53.6±3.0%
Tested by: Leo	Test site: RF site	Temperature: 25.5±0.6 °C

6dB bandwidth:

Test Mode	Frequency (MHz)	6dB Bandwidth (MHz)		Limit (KHz)
		ANT A	ANT B	
11a	5745	16.52	16.50	≥ 500
	5785	16.54	16.49	≥ 500
	5825	16.53	16.49	≥ 500
11n HT20	5745	17.75	17.74	≥ 500
	5785	17.72	17.75	≥ 500
	5825	17.75	17.73	≥ 500
11n HT40	5755	36.50	36.45	≥ 500
	5795	36.45	36.47	≥ 500
11ac VHT20	5745	17.70	17.73	≥ 500
	5785	17.74	17.73	≥ 500
	5825	17.71	17.72	≥ 500
11ac VHT40	5755	36.45	36.48	≥ 500
	5795	36.45	36.46	≥ 500
11ac VHT80	5775	76.40	76.42	≥ 500
Conclusion: PASS				

26dB bandwidth:

Test Mode	Frequency (MHz)	26dB Bandwidth (MHz)		Limit (KHz)
		ANT A	ANT B	
11a	5745	24.70	19.85	N/A
	5785	23.50	19.73	N/A
	5825	20.25	19.97	N/A
11n HT20	5745	25.84	20.76	N/A
	5785	21.77	20.12	N/A
	5825	22.37	20.06	N/A
11n HT40	5755	58.53	41.07	N/A
	5795	50.63	40.34	N/A
11ac VHT20	5745	25.89	20.51	N/A
	5785	23.52	20.36	N/A
	5825	22.32	20.48	N/A
11ac VHT40	5755	53.09	40.16	N/A
	5795	58.73	40.42	N/A
11ac VHT80	5775	95.57	79.19	N/A
Conclusion: PASS				

99% Occupied bandwidth:

Test Mode	Frequency (MHz)	99% bandwidth (MHz)		Limit (KHz)
		ANT A	ANT B	
11a	5745	16.644	16.463	N/A
	5785	16.620	16.469	N/A
	5825	16.548	16.457	N/A
11n HT20	5745	17.767	17.611	N/A
	5785	17.730	17.632	N/A
	5825	17.721	17.655	N/A
11n HT40	5755	36.276	36.118	N/A
	5795	36.207	36.102	N/A
11ac VHT20	5745	17.755	17.623	N/A
	5785	17.770	17.629	N/A
	5825	17.734	17.646	N/A
11ac VHT40	5755	36.250	36.080	N/A
	5795	36.252	36.126	N/A
11ac VHT80	5775	75.638	75.481	N/A
Conclusion: PASS				

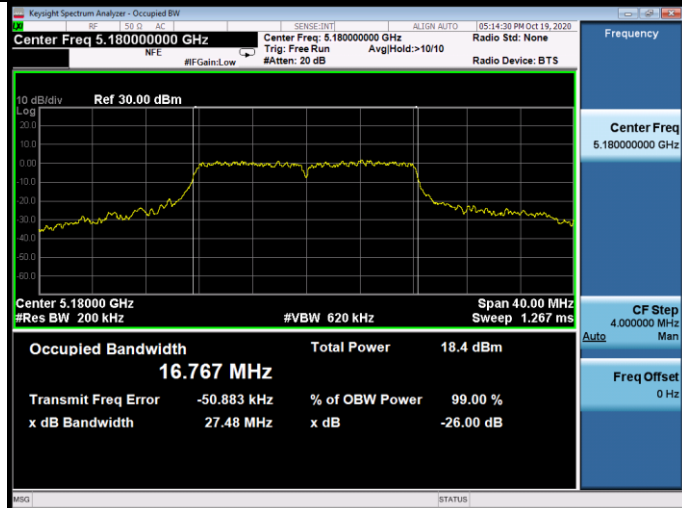
U-NII-1 Band:

26dB bandwidth & 99% Occupied bandwidth

ANT A

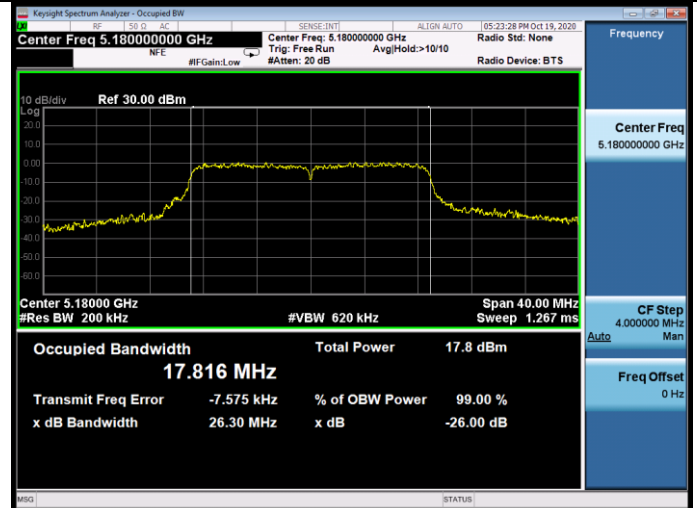
11a

5180MHz

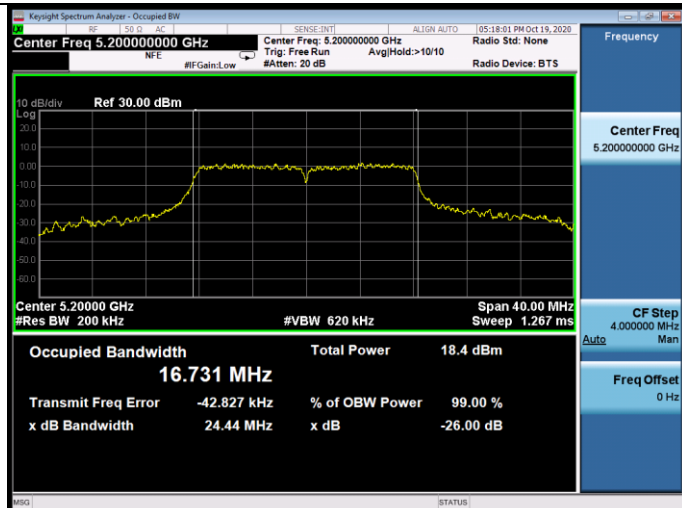


11n HT20

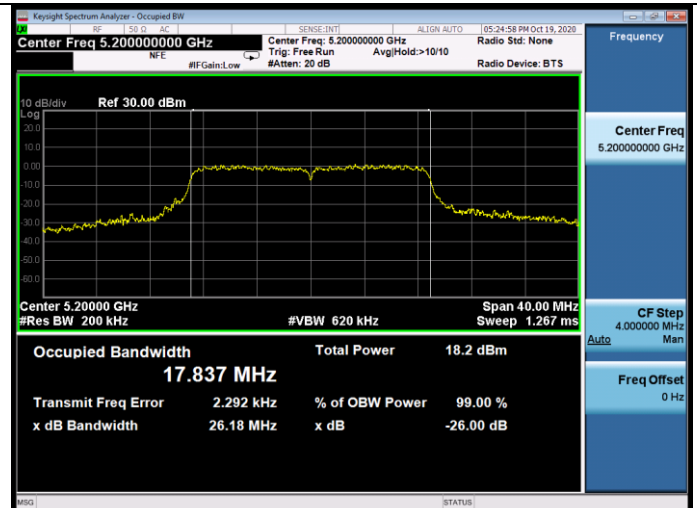
5180MHz



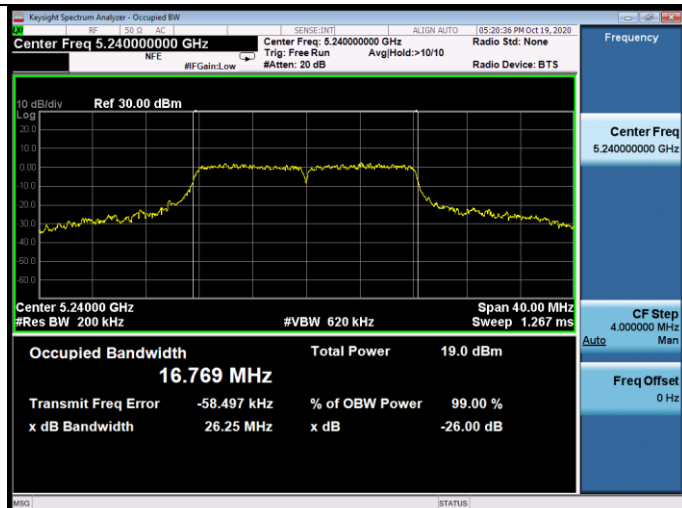
5200MHz



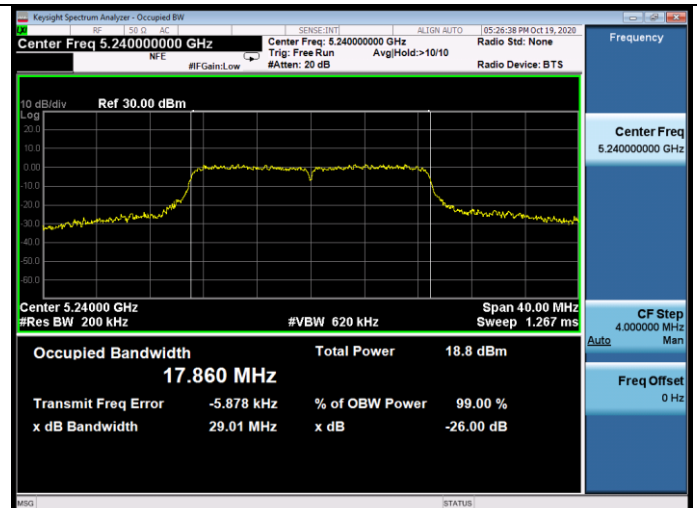
5200MHz



5240MHz

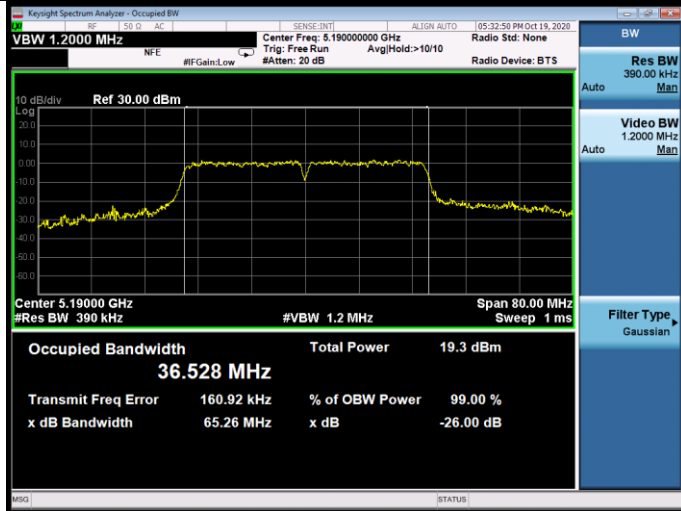


5240MHz

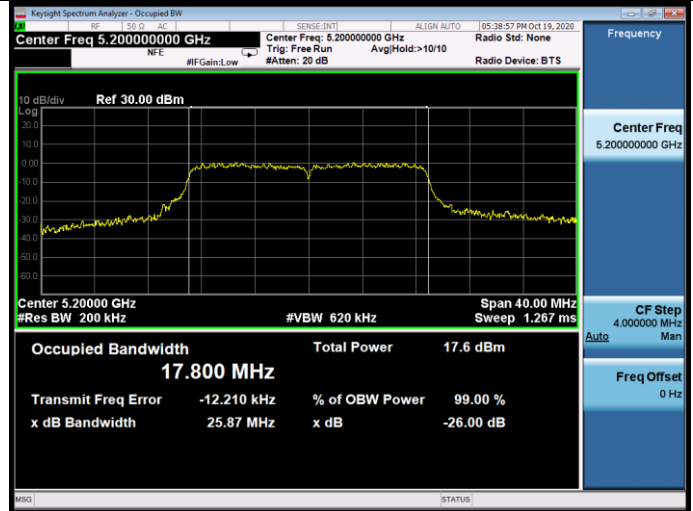


11n HT40

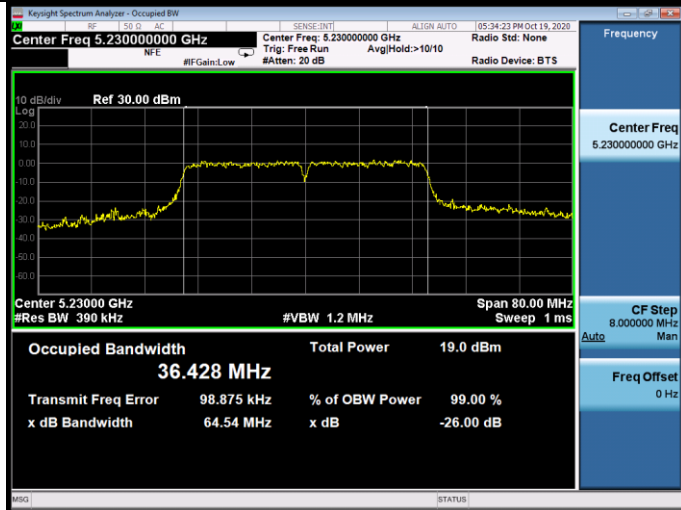
5190MHz



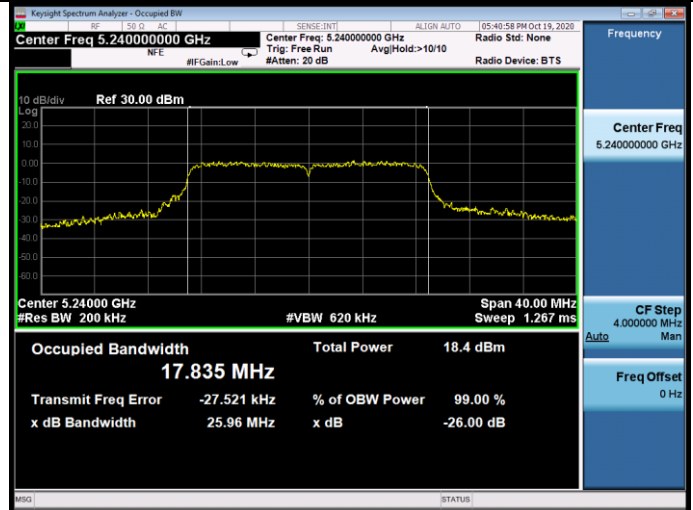
5200MHz



5230MHz



5240MHz



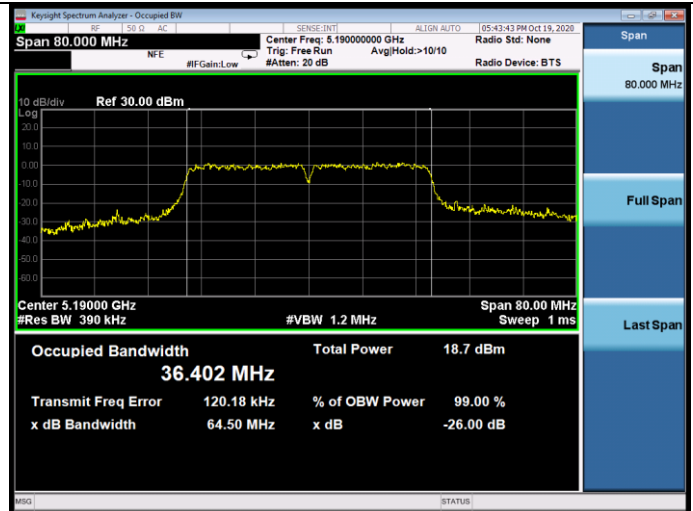
11ac VHT20

5180MHz

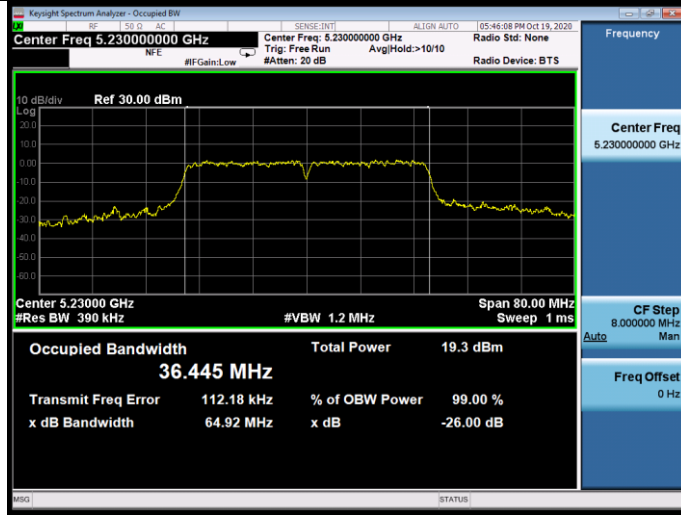


11ac VHT40

5190MHz



5230MHz



11ac VHT80

5210MHz

