Above 1G (1 GHz-40 GHz) in UNII-3:

802.11a mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5644.920	61.43	68.20	-6.77	60.44	0.99	Peak
5680.200	62.32	90.59	-28.27	61.09	1.23	Peak
5719.440	65.36	110.64	-45.28	64.06	1.30	Peak
5747.520	97.31			96.03	1.28	Peak
5858.040	63.81	109.95	-46.14	61.89	1.92	Peak
5896.920	65.04	88.94	-23.90	62.65	2.39	Peak
5943.000	64.92	68.20	-3.28	62.45	2.47	Peak
7660.000	39.61	54.00	-14.39	33.59	6.02	Average
7660.000	49.73	74.00	-24.27	43.71	6.02	Peak
11490.000	37.59	54.00	-16.41	26.89	10.70	Average
11490.000	51.32	74.00	-22.68	40.62	10.70	Peak
17235.000	58.73	68.20	-9.47	41.76	16.97	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5628.360	60.94	68.20	-7.26	60.05	0.89	Peak
5651.040	62.19	68.97	-6.78	61.16	1.03	Peak
5719.440	72.02	110.64	-38.62	70.72	1.30	Peak
5746.440	103.44			102.17	1.27	Peak
5874.240	63.33	105.41	-42.08	61.21	2.12	Peak
5908.080	64.24	80.69	-16.45	61.79	2.45	Peak
5933.640	63.83	68.20	-4.37	61.34	2.49	Peak
7660.000	49.47	54.00	-4.53	43.45	6.02	Average
7660.000	53.87	74.00	-20.13	47.85	6.02	Peak
11490.000	37.68	54.00	-16.32	26.98	10.70	Average
11490.000	51.61	74.00	-22.39	40.91	10.70	Peak
17235.000	57.83	68.20	-10.37	40.86	16.97	Peak

Middle CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5638.440	61.09	68.20	-7.11	60.15	0.94	Peak
5677.680	61.98	88.72	-26.74	60.78	1.20	Peak
5715.480	62.07	109.54	-47.47	60.76	1.31	Peak
5787.480	98.60			97.28	1.32	Peak
5871.720	64.47	106.12	-41.65	62.38	2.09	Peak
5916.000	64.43	74.84	-10.41	61.97	2.46	Peak
5935.800	64.37	68.20	-3.83	61.88	2.49	Peak
7713.300	40.41	54.00	-13.59	34.22	6.19	Average
7713.300	50.56	74.00	-23.44	44.37	6.19	Peak
11570.000	38.08	54.00	-15.92	27.32	10.76	Average
11570.000	51.39	74.00	-22.61	40.63	10.76	Peak
17355.000	60.13	68.20	-8.07	42.42	17.71	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5631.600	61.65	68.20	-6.55	60.75	0.90	Peak
5673.360	62.75	85.53	-22.78	61.57	1.18	Peak
5717.280	62.07	110.04	-47.97	60.76	1.31	Peak
5788.560	102.53			101.20	1.33	Peak
5863.080	64.48	108.54	-44.06	62.50	1.98	Peak
5889.000	63.93	94.81	-30.88	61.63	2.30	Peak
5963.160	64.33	68.20	-3.87	61.89	2.44	Peak
7713.300	49.81	54.00	-4.19	43.62	6.19	Average
7713.300	54.49	74.00	-19.51	48.30	6.19	Peak
11570.000	37.71	54.00	-16.29	26.95	10.76	Average
11570.000	51.38	74.00	-22.62	40.62	10.76	Peak
17355.000	59.09	68.20	-9.11	41.38	17.71	Peak

High CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5630.160	61.85	68.20	-6.35	60.96	0.89	Peak
5687.040	62.65	95.64	-32.99	61.38	1.27	Peak
5712.960	62.37	108.83	-46.46	61.06	1.31	Peak
5822.400	98.44			96.93	1.51	Peak
5856.600	67.34	110.35	-43.01	65.44	1.90	Peak
5916.000	64.64	74.84	-10.20	62.18	2.46	Peak
5965.320	63.97	68.20	-4.23	61.53	2.44	Peak
7766.700	50.93	68.20	-17.27	44.73	6.20	Peak
11650.000	38.06	54.00	-15.94	27.16	10.90	Average
11650.000	51.15	74.00	-22.85	40.25	10.90	Peak
17475.000	59.20	68.20	-9.00	41.14	18.06	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5624.040	61.85	68.20	-6.35	60.99	0.86	Peak
5677.680	61.89	88.72	-26.83	60.69	1.20	Peak
5708.640	62.56	107.62	-45.06	61.24	1.32	Peak
5823.120	101.47			99.96	1.51	Peak
5856.240	68.78	110.45	-41.67	66.88	1.90	Peak
5907.360	64.39	81.22	-16.83	61.95	2.44	Peak
5931.840	64.43	68.20	-3.77	61.94	2.49	Peak
7766.700	53.45	68.20	-14.75	47.25	6.20	Peak
11650.000	37.92	54.00	-16.08	27.02	10.90	Average
11650.000	51.96	74.00	-22.04	41.06	10.90	Peak
17475.000	58.84	68.20	-9.36	40.78	18.06	Peak

802.11n HT20 mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5619.360	61.40	68.20	-6.80	60.56	0.84	Peak
5692.440	61.84	99.63	-37.79	60.55	1.29	Peak
5718.000	65.54	110.24	-44.70	64.23	1.31	Peak
5747.880	98.06			96.78	1.28	Peak
5867.760	63.94	107.23	-43.29	61.90	2.04	Peak
5917.440	64.76	73.77	-9.01	62.29	2.47	Peak
5960.280	64.39	68.20	-3.81	61.94	2.45	Peak
7660.000	40.43	54.00	-13.57	34.41	6.02	Average
7660.000	47.93	74.00	-26.07	41.91	6.02	Peak
11490.000	38.24	54.00	-15.76	27.54	10.70	Average
11490.000	52.36	74.00	-21.64	41.66	10.70	Peak
17235.000	57.76	68.20	-10.44	40.84	16.92	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5642.400	61.20	68.20	-7.00	60.23	0.97	Peak
5697.120	63.04	103.08	-40.04	61.72	1.32	Peak
5719.080	72.16	110.54	-38.38	70.86	1.30	Peak
5741.760	103.85			102.57	1.28	Peak
5869.920	63.89	106.62	-42.73	61.82	2.07	Peak
5895.120	64.05	90.27	-26.22	61.68	2.37	Peak
5942.280	64.22	68.20	-3.98	61.74	2.48	Peak
7660.000	48.56	54.00	-5.44	42.54	6.02	Average
7660.000	52.96	74.00	-21.04	46.94	6.02	Peak
11490.000	38.26	54.00	-15.74	27.56	10.70	Average
11490.000	51.88	74.00	-22.12	41.18	10.70	Peak
17235.000	58.49	68.20	-9.71	41.57	16.92	Peak

Middle CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5629.800	61.71	68.20	-6.49	60.82	0.89	Peak
5680.560	61.97	90.85	-28.88	60.74	1.23	Peak
5715.480	62.45	109.54	-47.09	61.14	1.31	Peak
5783.880	97.44			96.12	1.32	Peak
5857.680	64.09	110.05	-45.96	62.18	1.91	Peak
5907.360	64.54	81.22	-16.68	62.10	2.44	Peak
5945.880	63.87	68.20	-4.33	61.40	2.47	Peak
7713.300	40.65	54.00	-13.35	34.46	6.19	Average
7713.300	49.18	74.00	-24.82	42.99	6.19	Peak
11570.000	38.80	54.00	-15.20	28.04	10.76	Average
11570.000	51.79	74.00	-22.21	41.03	10.76	Peak
17355.000	58.68	68.20	-9.52	41.00	17.68	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5630.520	62.19	68.20	-6.01	61.30	0.89	Peak
5671.200	62.52	83.93	-21.41	61.36	1.16	Peak
5708.640	62.40	107.62	-45.22	61.08	1.32	Peak
5787.840	101.75			100.42	1.33	Peak
5861.280	63.53	109.04	-45.51	61.57	1.96	Peak
5898.000	65.01	88.14	-23.13	62.61	2.40	Peak
5941.920	64.93	68.20	-3.27	62.46	2.47	Peak
7713.300	48.98	54.00	-5.02	42.80	6.18	Average
7713.300	52.95	74.00	-21.05	46.73	6.22	Peak
11590.000	38.24	54.00	-15.76	27.47	10.77	Average
11590.000	50.82	74.00	-23.18	40.05	10.77	Peak
17355.000	58.70	68.20	-9.50	41.02	17.68	Peak

High CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5636.280	62.71	68.20	-5.49	61.77	0.94	Peak
5680.200	62.40	90.59	-28.19	61.17	1.23	Peak
5715.840	62.56	109.64	-47.08	61.24	1.32	Peak
5822.040	98.58			97.07	1.51	Peak
5855.160	66.00	110.76	-44.76	64.12	1.88	Peak
5912.040	64.23	77.76	-13.53	61.78	2.45	Peak
5967.840	64.42	68.20	-3.78	61.99	2.43	Peak
7766.700	50.15	68.20	-18.05	43.95	6.20	Peak
11650.000	38.66	54.00	-15.34	27.76	10.90	Average
11650.000	51.68	74.00	-22.32	40.78	10.90	Peak
17475.000	59.65	68.20	-8.55	41.64	18.01	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5626.560	61.17	68.20	-7.03	60.30	0.87	Peak
5666.880	62.42	80.73	-18.31	61.28	1.14	Peak
5716.920	61.95	109.94	-47.99	60.64	1.31	Peak
5820.960	101.11			99.62	1.49	Peak
5855.880	68.79	110.55	-41.76	66.89	1.90	Peak
5886.120	63.91	96.94	-33.03	61.65	2.26	Peak
5966.760	63.66	68.20	-4.54	61.23	2.43	Peak
7766.700	54.74	68.20	-13.46	48.54	6.20	Peak
11650.000	38.49	54.00	-15.51	27.59	10.90	Average
11650.000	52.20	74.00	-21.80	41.30	10.90	Peak
17475.000	59.41	68.20	-8.79	41.40	18.01	Peak

802.11n HT40 mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5612.880	62.31	68.20	-5.89	61.50	0.81	Peak
5694.240	62.84	100.95	-38.11	61.55	1.29	Peak
5719.440	69.44	110.64	-41.20	68.14	1.30	Peak
5760.840	93.98			92.68	1.30	Peak
5868.120	64.46	107.12	-42.66	62.42	2.04	Peak
5923.920	65.42	69.00	-3.58	62.94	2.48	Peak
5963.520	64.77	68.20	-3.43	62.33	2.44	Peak
7673.300	42.89	54.00	-11.11	36.80	6.09	Average
7673.300	50.76	74.00	-23.24	44.67	6.09	Peak
11510.000	37.75	54.00	-16.25	27.02	10.73	Average
11510.000	50.56	74.00	-23.44	39.83	10.73	Peak
17265.000	58.66	68.20	-9.54	41.57	17.09	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5612.520	61.64	68.20	-6.56	60.83	0.81	Peak
5693.880	63.77	100.69	-36.92	62.48	1.29	Peak
5719.800	74.20	110.74	-36.54	72.90	1.30	Peak
5748.240	99.05			97.77	1.28	Peak
5860.200	64.17	109.34	-45.17	62.23	1.94	Peak
5894.040	65.36	91.07	-25.71	63.00	2.36	Peak
5968.560	64.99	68.20	-3.21	62.56	2.43	Peak
7673.300	48.34	54.00	-5.66	42.25	6.09	Average
7673.300	52.99	74.00	-21.01	46.90	6.09	Peak
11510.000	37.18	54.00	-16.82	26.45	10.73	Average
11510.000	50.88	74.00	-23.12	40.15	10.73	Peak
17265.000	58.91	68.20	-9.29	41.82	17.09	Peak

High CH

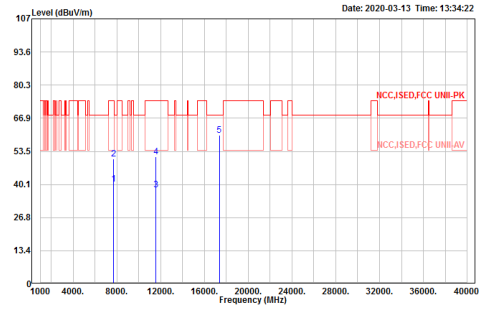
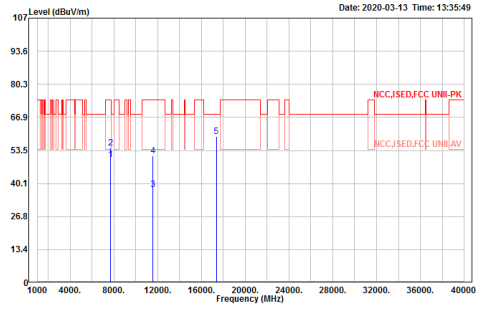
Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5648.520	62.45	68.20	-5.75	61.44	1.01	Peak
5671.200	62.62	83.93	-21.31	61.46	1.16	Peak
5705.760	63.08	106.81	-43.73	61.75	1.33	Peak
5789.640	93.42			92.10	1.32	Peak
5872.800	64.33	105.82	-41.49	62.24	2.09	Peak
5913.480	64.62	76.70	-12.08	62.16	2.46	Peak
5949.480	64.07	68.20	-4.13	61.61	2.46	Peak
7726.700	43.03	54.00	-10.97	36.81	6.22	Average
7726.700	51.75	74.00	-22.25	45.53	6.22	Peak
11590.000	38.07	54.00	-15.93	27.30	10.77	Average
11590.000	50.75	74.00	-23.25	39.98	10.77	Peak
17385.000	57.88	68.20	-10.32	40.10	17.78	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5620.440	62.20	68.20	-6.00	61.35	0.85	Peak
5684.520	62.81	93.78	-30.97	61.56	1.25	Peak
5715.120	62.70	109.44	-46.74	61.39	1.31	Peak
5788.560	98.82			97.49	1.33	Peak
5859.480	64.16	109.54	-45.38	62.23	1.93	Peak
5923.560	65.10	69.26	-4.16	62.62	2.48	Peak
5967.120	64.70	68.20	-3.50	62.26	2.44	Peak
7726.700	49.57	54.00	-4.43	43.35	6.22	Average
7726.700	54.01	74.00	-19.99	47.79	6.22	Peak
11590.000	37.92	54.00	-16.08	27.15	10.77	Average
11590.000	51.22	74.00	-22.78	40.45	10.77	Peak
17385.000	59.82	68.20	-8.38	42.03	17.79	Peak

Above 1G (1 GHz-40 GHz): test the worst mode: UNII-3 802.11a Middle CH.

Horizontal	Vertical
	

	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		
1 !	7713.300	40.41	54.00	-13.59	34.22	6.19	Average	horizontal
2	7713.300	50.56	74.00	-23.44	44.37	6.19	Peak	horizontal
3 !	11570.000	38.08	54.00	-15.92	27.32	10.76	Average	horizontal
4	11570.000	51.39	74.00	-22.61	40.63	10.76	Peak	horizontal
5 !	17355.000	60.13	68.20	-8.07	42.42	17.71	Peak	horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		
1 !	7713.300	49.81	54.00	-4.19	43.62	6.19	Average	vertical
2 !	7713.300	54.49	74.00	-19.51	48.30	6.19	Peak	vertical
3 !	11570.000	37.71	54.00	-16.29	26.95	10.76	Average	vertical
4	11570.000	51.38	74.00	-22.62	40.62	10.76	Peak	vertical
5 !	17355.000	59.09	68.20	-9.11	41.38	17.71	Peak	vertical

Level = Read Level + Factor

Over Limit = Level – Limit

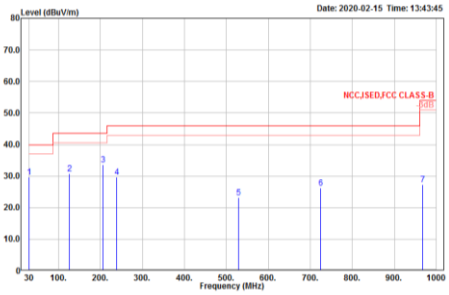
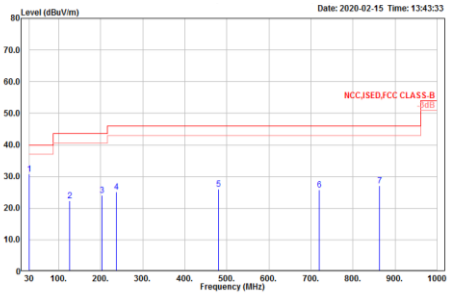
Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain

Spurious emissions more than 20 dB below the limit were not reported

< PCB Antenna (Redpine Signals RSIA7)>

Transmitting mode (Pre-scan with three orthogonal axis, and worse case as Z axis)

Below 1G (30 MHz-1 GHz) test the output power worst mode

Horizontal	Vertical
	

	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		
1	30.000	29.60	40.00	-10.40	35.73	-6.13	Peak	horizontal
2	127.000	30.70	43.50	-12.80	48.50	-17.80	Peak	horizontal
3	206.540	33.52	43.50	-9.98	53.45	-19.93	Peak	horizontal
4	239.520	29.69	46.00	-16.31	49.38	-19.69	Peak	horizontal
5	528.580	23.24	46.00	-22.76	36.90	-13.66	Peak	horizontal
6	724.520	26.19	46.00	-19.81	36.80	-10.61	Peak	horizontal
7	967.990	27.35	54.00	-26.65	35.02	-7.67	Peak	horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		
1	30.000	30.78	40.00	-9.22	36.91	-6.13	Peak	vertical
2	127.000	22.25	43.50	-21.25	40.05	-17.80	Peak	vertical
3	203.630	24.07	43.50	-19.43	43.29	-19.22	Peak	vertical
4	236.610	25.19	46.00	-20.81	45.02	-19.83	Peak	vertical
5	480.080	25.91	46.00	-20.09	40.40	-14.49	Peak	vertical
6	719.670	25.87	46.00	-20.13	36.58	-10.71	Peak	vertical
7	863.230	27.01	46.00	-18.99	35.81	-8.80	Peak	vertical

Level = Read Level + Factor

Over Limit = Level – Limit

Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain

Spurious emissions more than 20 dB below the limit were not reported

Above 1G (1 GHz-40 GHz) in UNII-1:

802.11a mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5148.700	49.45	54.00	-4.55	49.10	0.35	Average
5148.700	68.04	74.00	-5.96	67.69	0.35	Peak
5177.500	92.28			92.02	0.26	Average
5177.500	103.13			102.87	0.26	Peak
6906.490	52.27	68.20	-15.93	47.86	4.41	Peak
10360.000	49.98	68.20	-18.22	40.76	9.22	Peak
15540.000	40.55	54.00	-13.45	26.36	14.19	Average
15540.000	54.18	74.00	-19.82	39.99	14.19	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5148.550	48.60	54.00	-5.40	48.25	0.35	Average
5148.550	65.27	74.00	-8.73	64.92	0.35	Peak
5182.300	90.60			90.35	0.25	Average
5182.300	101.28			101.03	0.25	Peak
6906.490	55.81	68.20	-12.39	51.37	4.44	Peak
10360.000	49.96	68.20	-18.24	40.74	9.22	Peak
15540.000	41.63	54.00	-12.37	27.44	14.19	Average
15540.000	54.63	74.00	-19.37	40.44	14.19	Peak

Middle CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5117.600	46.96	54.00	-7.04	46.52	0.44	Average
5117.600	61.47	74.00	-12.53	61.03	0.44	Peak
5202.800	92.41			92.16	0.25	Average
5202.800	102.65			102.40	0.25	Peak
5420.000	46.58	54.00	-7.42	46.42	0.16	Average
5420.000	61.23	74.00	-12.77	61.07	0.16	Peak
6933.160	51.53	68.20	-16.67	47.05	4.48	Peak
10400.000	50.90	68.20	-17.30	41.51	9.39	Peak
15600.000	45.03	54.00	-8.97	30.86	14.17	Average
15600.000	57.84	74.00	-16.16	43.67	14.17	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5148.800	46.75	54.00	-7.25	46.40	0.35	Average
5148.800	60.52	74.00	-13.48	60.17	0.35	Peak
5198.000	90.15			89.89	0.26	Average
5198.000	100.64			100.38	0.26	Peak
5418.000	46.76	54.00	-7.24	46.59	0.17	Average
5418.000	60.48	74.00	-13.52	60.31	0.17	Peak
6933.160	55.11	68.20	-13.09	50.73	4.38	Peak
10400.000	50.55	68.20	-17.65	41.16	9.39	Peak
15600.000	45.11	54.00	-8.89	30.94	14.17	Average
15600.000	57.87	74.00	-16.13	43.70	14.17	Peak

High CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5113.200	46.75	54.00	-7.25	46.30	0.45	Average
5113.200	60.37	74.00	-13.63	59.92	0.45	Peak
5241.600	93.32			93.10	0.22	Average
5241.600	103.33			103.11	0.22	Peak
5377.200	46.65	54.00	-7.35	46.47	0.18	Average
5377.200	60.53	74.00	-13.47	60.35	0.18	Peak
6986.490	51.91	68.20	-16.29	47.53	4.38	Peak
10480.000	50.05	68.20	-18.15	40.86	9.19	Peak
15720.000	45.52	54.00	-8.48	31.22	14.30	Average
15720.000	59.32	74.00	-14.68	45.02	14.30	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5109.200	47.01	54.00	-6.99	46.55	0.46	Average
5109.200	60.39	74.00	-13.61	59.93	0.46	Peak
5238.000	90.04			89.80	0.24	Average
5238.000	100.41			100.17	0.24	Peak
5442.400	46.79	54.00	-7.21	46.54	0.25	Average
5442.400	60.40	74.00	-13.60	60.15	0.25	Peak
6986.490	55.64	68.20	-12.56	51.45	4.19	Peak
10480.000	51.36	68.20	-16.84	42.17	9.19	Peak
15720.000	45.43	54.00	-8.57	31.13	14.30	Average
15720.000	59.43	74.00	-14.57	45.13	14.30	Peak

802.11n HT20 mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5149.750	50.54	54.00	-3.46	50.19	0.35	Average
5149.750	68.07	74.00	-5.93	67.72	0.35	Peak
5181.700	91.99			91.74	0.25	Average
5181.700	103.04			102.79	0.25	Peak
6906.600	51.81	68.20	-16.39	47.37	4.44	Peak
10360.000	49.50	68.20	-18.70	40.23	9.27	Peak
15540.000	41.64	54.00	-12.36	27.45	14.19	Average
15540.000	55.04	74.00	-18.96	40.85	14.19	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5148.250	49.89	54.00	-4.11	49.54	0.35	Average
5148.250	67.73	74.00	-6.27	67.38	0.35	Peak
5178.100	90.36			90.11	0.25	Average
5178.100	101.15			100.90	0.25	Peak
6906.600	56.13	68.20	-12.07	51.69	4.44	Peak
10360.000	50.22	68.20	-17.98	41.00	9.22	Peak
15540.000	41.50	54.00	-12.50	27.31	14.19	Average
15540.000	55.74	74.00	-18.26	41.55	14.19	Peak

Middle CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5074.000	46.90	54.00	-7.10	46.33	0.57	Average
5074.000	60.36	74.00	-13.64	59.79	0.57	Peak
5201.600	92.01			91.75	0.26	Average
5201.600	102.79			102.53	0.26	Peak
5356.000	46.84	54.00	-7.16	46.64	0.20	Average
5356.000	60.33	74.00	-13.67	60.13	0.20	Peak
6933.330	51.59	68.20	-16.61	47.21	4.38	Peak
10400.000	49.35	68.20	-18.85	39.96	9.39	Peak
15600.000	43.91	54.00	-10.09	29.74	14.17	Average
15600.000	57.45	74.00	-16.55	43.28	14.17	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5145.600	46.80	54.00	-7.20	46.44	0.36	Average
5145.600	60.40	74.00	-13.60	60.04	0.36	Peak
5198.400	88.51			88.26	0.25	Average
5198.400	99.42			99.17	0.25	Peak
5445.200	46.92	54.00	-7.08	46.66	0.26	Average
5445.200	60.73	74.00	-13.27	60.47	0.26	Peak
6933.330	57.25	68.20	-10.95	52.87	4.38	Peak
10400.000	49.87	68.20	-18.33	40.48	9.39	Peak
15600.000	44.41	54.00	-9.59	30.24	14.17	Average
15600.000	57.70	74.00	-16.30	43.53	14.17	Peak

High CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5068.000	47.00	54.00	-7.00	46.41	0.59	Average
5068.000	61.15	74.00	-12.85	60.56	0.59	Peak
5238.000	92.78			92.54	0.24	Average
5238.000	102.57			102.33	0.24	Peak
5445.600	46.81	54.00	-7.19	46.54	0.27	Average
5445.600	60.78	74.00	-13.22	60.51	0.27	Peak
6986.650	51.33	68.20	-16.87	47.14	4.19	Peak
10480.000	49.29	68.20	-18.91	40.10	9.19	Peak
15720.000	45.70	54.00	-8.30	31.40	14.30	Average
15720.000	59.14	74.00	-14.86	44.84	14.30	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5103.200	46.75	54.00	-7.25	46.28	0.47	Average
5103.200	60.73	74.00	-13.27	60.26	0.47	Peak
5242.000	89.57			89.35	0.22	Average
5242.000	99.63			99.41	0.22	Peak
5434.000	46.74	54.00	-7.26	46.53	0.21	Average
5434.000	60.52	74.00	-13.48	60.31	0.21	Peak
6986.650	56.05	68.20	-12.15	51.86	4.19	Peak
10480.000	49.48	68.20	-18.72	40.29	9.19	Peak
15720.000	45.66	54.00	-8.34	31.36	14.30	Average
15720.000	60.24	74.00	-13.76	45.94	14.30	Peak

802.11n HT40 mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5148.400	53.71	54.00	-0.29	53.36	0.35	Average
5148.400	71.19	74.00	-2.81	70.84	0.35	Peak
5195.440	85.63			85.38	0.25	Average
5195.440	97.02			96.77	0.25	Peak
10380.000	49.32	68.20	-18.88	39.96	9.36	Peak
15570.000	43.51	54.00	-10.49	29.33	14.18	Average
15570.000	55.80	74.00	-18.20	41.62	14.18	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5150.000	52.52	54.00	-1.48	52.18	0.34	Average
5150.000	69.54	74.00	-4.46	69.20	0.34	Peak
5194.800	84.12			83.86	0.26	Average
5194.800	94.89			94.63	0.26	Peak
!10380.000	49.85	68.20	-18.35	40.49	9.36	Peak
!15570.000	43.82	54.00	-10.18	29.64	14.18	Average
!15570.000	56.83	74.00	-17.17	42.65	14.18	Peak

High CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5140.400	46.81	54.00	-7.19	46.43	0.38	Average
5140.400	60.35	74.00	-13.65	59.97	0.38	Peak
5235.200	87.16			86.90	0.26	Average
5235.200	97.45			97.19	0.26	Peak
5408.000	46.92	54.00	-7.08	46.78	0.14	Average
5408.000	60.46	74.00	-13.54	60.32	0.14	Peak
10460.000	50.78	68.20	-17.42	41.45	9.33	Peak
15690.000	45.61	54.00	-8.39	31.31	14.30	Average
15690.000	59.87	74.00	-14.13	45.57	14.30	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5111.600	46.98	54.00	-7.02	46.52	0.46	Average
5111.600	60.72	74.00	-13.28	60.26	0.46	Peak
5213.200	84.10			83.83	0.27	Average
5213.200	94.80			94.53	0.27	Peak
5419.200	46.85	54.00	-7.15	46.68	0.17	Average
5419.200	60.66	74.00	-13.34	60.49	0.17	Peak
10460.000	49.21	68.20	-18.99	39.88	9.33	Peak
15690.000	45.94	54.00	-8.06	31.64	14.30	Average
15690.000	58.71	74.00	-15.29	44.41	14.30	Peak

Above 1G (1 GHz-40 GHz) in UNII-2a:

802.11a mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5121.200	46.98	54.00	-7.02	46.55	0.43	Average
5121.200	60.70	74.00	-13.30	60.27	0.43	Peak
5258.400	92.72			92.54	0.18	Average
5258.400	102.47			102.29	0.18	Peak
5428.800	46.75	54.00	-7.25	46.57	0.18	Average
5428.800	60.72	74.00	-13.28	60.54	0.18	Peak
7013.160	50.96	68.20	-17.24	46.76	4.20	Peak
10520.000	49.97	68.20	-18.23	41.13	8.84	Peak
15780.000	45.27	54.00	-8.73	31.24	14.03	Average
15780.000	59.45	74.00	-14.55	45.42	14.03	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5052.000	46.98	54.00	-7.02	46.36	0.62	Average
5052.000	60.69	74.00	-13.31	60.07	0.62	Peak
5262.800	89.58			89.41	0.17	Average
5262.800	99.82			99.65	0.17	Peak
5401.200	46.71	54.00	-7.29	46.59	0.12	Average
5401.200	60.71	74.00	-13.29	60.59	0.12	Peak
7013.160	54.11	68.20	-14.09	49.90	4.21	Peak
10520.000	50.03	68.20	-18.17	41.19	8.84	Peak
15780.000	45.81	54.00	-8.19	31.78	14.03	Average
15780.000	59.35	74.00	-14.65	45.32	14.03	Peak

Middle CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5098.400	46.84	54.00	-7.16	46.35	0.49	Average
5098.400	60.82	74.00	-13.18	60.33	0.49	Peak
5304.000	93.49			93.28	0.21	Average
5304.000	103.24			103.03	0.21	Peak
5427.600	47.00	54.00	-7.00	46.82	0.18	Average
5427.600	60.92	74.00	-13.08	60.74	0.18	Peak
7066.490	50.14	68.20	-18.06	45.55	4.59	Peak
10600.000	37.46	54.00	-16.54	28.18	9.28	Average
10600.000	50.77	74.00	-23.23	41.49	9.28	Peak
15960.000	44.07	54.00	-9.93	30.20	13.87	Average
15960.000	57.28	74.00	-16.72	43.41	13.87	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5061.600	47.02	54.00	-6.98	46.42	0.60	Average
5061.600	61.09	74.00	-12.91	60.49	0.60	Peak
5301.600	89.44			89.23	0.21	Average
5301.600	99.68			99.47	0.21	Peak
5430.400	46.74	54.00	-7.26	46.54	0.20	Average
5430.400	60.59	74.00	-13.41	60.39	0.20	Peak
7066.490	55.23	68.20	-12.97	50.62	4.61	Peak
10600.000	36.39	54.00	-17.61	27.11	9.28	Average
10600.000	50.36	74.00	-23.64	41.08	9.28	Peak
15900.000	44.08	54.00	-9.92	30.23	13.85	Average
15900.000	57.75	74.00	-16.25	43.90	13.85	Peak

High CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5322.180	93.50			93.27	0.23	Average
5322.180	104.20			103.97	0.23	Peak
5350.460	48.53	54.00	-5.47	48.31	0.22	Average
5350.460	68.87	74.00	-5.13	68.65	0.22	Peak
7093.150	50.36	68.20	-17.84	45.61	4.75	Peak
10640.000	37.37	54.00	-16.63	27.47	9.90	Average
10640.000	50.45	74.00	-23.55	40.55	9.90	Peak
15960.000	44.77	54.00	-9.23	31.12	13.65	Average
15960.000	60.16	74.00	-13.84	46.51	13.65	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5322.180	89.35			89.12	0.23	Average
5322.180	99.94			99.71	0.23	Peak
5350.320	47.42	54.00	-6.58	47.20	0.22	Average
5350.320	66.01	74.00	-7.99	65.79	0.22	Peak
7093.150	54.34	68.20	-13.86	49.59	4.75	Peak
10640.000	38.05	54.00	-15.95	28.77	9.28	Average
10640.000	50.59	74.00	-23.41	41.31	9.28	Peak
15960.000	44.91	54.00	-9.09	31.26	13.65	Average
15960.000	59.48	74.00	-14.52	45.83	13.65	Peak

802.11n HT20 mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5108.000	46.76	54.00	-7.24	46.29	0.47	Average
5108.000	60.18	74.00	-13.82	59.71	0.47	Peak
5257.600	92.98			92.81	0.17	Average
5257.600	103.25			103.08	0.17	Peak
5438.000	46.76	54.00	-7.24	46.53	0.23	Average
5438.000	60.24	74.00	-13.76	60.01	0.23	Peak
7013.160	51.94	68.20	-16.26	47.73	4.21	Peak
10520.000	49.22	68.20	-18.98	40.38	8.84	Peak
15780.000	45.83	54.00	-8.17	31.80	14.03	Average
15780.000	60.07	74.00	-13.93	46.04	14.03	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5123.600	46.76	54.00	-7.24	46.33	0.43	Average
5123.600	61.17	74.00	-12.83	60.74	0.43	Peak
5256.000	89.82			89.64	0.18	Average
5256.000	99.69			99.51	0.18	Peak
5443.600	46.72	54.00	-7.28	46.47	0.25	Average
5443.600	60.55	74.00	-13.45	60.30	0.25	Peak
7013.160	56.03	68.20	-12.17	51.78	4.25	Peak
10520.000	49.09	68.20	-19.11	40.25	8.84	Peak
15780.000	45.75	54.00	-8.25	31.72	14.03	Average
15780.000	59.69	74.00	-14.31	45.66	14.03	Peak

Middle CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5110.000	46.92	54.00	-7.08	46.46	0.46	Average
5110.000	60.91	74.00	-13.09	60.45	0.46	Peak
5301.600	93.16			92.95	0.21	Average
5301.600	103.95			103.74	0.21	Peak
5423.600	46.77	54.00	-7.23	46.59	0.18	Average
5423.600	60.67	74.00	-13.33	60.49	0.18	Peak
7066.490	51.12	68.20	-17.08	46.51	4.61	Peak
10600.000	36.83	54.00	-17.17	27.55	9.28	Average
10600.000	51.25	74.00	-22.75	41.97	9.28	Peak
15900.000	44.18	54.00	-9.82	30.33	13.85	Average
15900.000	56.68	74.00	-17.32	42.83	13.85	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5056.800	46.75	54.00	-7.25	46.14	0.61	Average
5056.800	60.77	74.00	-13.23	60.16	0.61	Peak
5297.600	89.73			89.53	0.20	Average
5297.600	99.90			99.70	0.20	Peak
5437.200	46.72	54.00	-7.28	46.49	0.23	Average
5437.200	60.35	74.00	-13.65	60.12	0.23	Peak
7066.490	56.85	68.20	-11.35	52.24	4.61	Peak
10600.000	36.80	54.00	-17.20	27.52	9.28	Average
10600.000	50.80	74.00	-23.20	41.52	9.28	Peak
15900.000	44.12	54.00	-9.88	30.27	13.85	Average
15900.000	58.01	74.00	-15.99	44.16	13.85	Peak

High CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5317.980	93.38			93.15	0.23	Average
5317.980	104.23			104.00	0.23	Peak
5350.180	49.69	54.00	-4.31	49.47	0.22	Average
5350.180	69.87	74.00	-4.13	69.65	0.22	Peak
! 7093.160	51.18	68.20	-17.02	46.43	4.75	Peak
!10640.000	37.34	54.00	-16.66	27.44	9.90	Average
10640.000	50.49	74.00	-23.51	40.59	9.90	Peak
!15960.000	45.12	54.00	-8.88	31.47	13.65	Average
!15960.000	57.65	74.00	-16.35	44.00	13.65	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5318.540	89.06			88.83	0.23	Average
5318.540	99.58			99.35	0.23	Peak
5351.440	48.35	54.00	-5.65	48.14	0.21	Average
5351.440	66.45	74.00	-7.55	66.24	0.21	Peak
7093.160	56.65	68.20	-11.55	51.90	4.75	Peak
10640.000	37.28	54.00	-16.72	27.38	9.90	Average
10640.000	50.16	74.00	-23.84	40.26	9.90	Peak
15960.000	44.93	54.00	-9.07	31.28	13.65	Average
15960.000	57.90	74.00	-16.10	44.25	13.65	Peak

802.11n HT40 mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5126.400	46.88	54.00	-7.12	46.46	0.42	Average
5126.400	60.16	74.00	-13.84	59.74	0.42	Peak
5264.800	87.04			86.88	0.16	Average
5264.800	98.28			98.12	0.16	Peak
5434.800	46.52	54.00	-7.48	46.31	0.21	Average
5434.800	60.59	74.00	-13.41	60.38	0.21	Peak
10540.000	49.32	68.20	-18.88	40.55	8.77	Peak
15810.000	44.05	54.00	-9.95	30.12	13.93	Average
15810.000	57.38	74.00	-16.62	43.45	13.93	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5125.200	46.74	54.00	-7.26	46.31	0.43	Average
5125.200	61.77	74.00	-12.23	61.34	0.43	Peak
5276.000	83.59			83.44	0.15	Average
5276.000	94.75			94.60	0.15	Peak
5376.000	46.81	54.00	-7.19	46.63	0.18	Average
5376.000	60.78	74.00	-13.22	60.60	0.18	Peak
10540.000	49.71	68.20	-18.49	40.94	8.77	Peak
15810.000	43.84	54.00	-10.16	29.91	13.93	Average
15810.000	58.90	74.00	-15.10	44.97	13.93	Peak

High CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5126.400	46.88	54.00	-7.12	46.46	0.42	Average
5126.400	60.16	74.00	-13.84	59.74	0.42	Peak
5264.800	87.04			86.88	0.16	Average
5264.800	98.28			98.12	0.16	Peak
5434.800	46.52	54.00	-7.48	46.31	0.21	Average
5434.800	60.59	74.00	-13.41	60.38	0.21	Peak
10540.000	49.32	68.20	-18.88	40.55	8.77	Peak
15810.000	44.05	54.00	-9.95	30.12	13.93	Average
15810.000	57.38	74.00	-16.62	43.45	13.93	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5125.200	46.74	54.00	-7.26	46.31	0.43	Average
5125.200	61.77	74.00	-12.23	61.34	0.43	Peak
5276.000	83.59			83.44	0.15	Average
5276.000	94.75			94.60	0.15	Peak
5376.000	46.81	54.00	-7.19	46.63	0.18	Average
5376.000	60.78	74.00	-13.22	60.60	0.18	Peak
10540.000	49.71	68.20	-18.49	40.94	8.77	Peak
15810.000	43.84	54.00	-10.16	29.91	13.93	Average
15810.000	58.90	74.00	-15.10	44.97	13.93	Peak

Above 1G (1 GHz-40 GHz) in UNII-2c:

802.11a mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5456.540	47.97	54.00	-6.03	47.65	0.32	Average
5456.540	63.92	74.00	-10.08	63.60	0.32	Peak
5502.300	93.26			92.75	0.51	Average
5502.300	103.90			103.39	0.51	Peak
7333.150	42.02	54.00	-11.98	36.24	5.78	Average
7333.150	51.31	74.00	-22.69	45.53	5.78	Peak
11000.000	37.16	54.00	-16.84	27.13	10.03	Average
11000.000	51.22	74.00	-22.78	41.19	10.03	Peak
16500.000	55.76	68.20	-12.44	41.01	14.75	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5453.240	47.22	54.00	-6.78	46.92	0.30	Average
5453.240	61.42	74.00	-12.58	61.12	0.30	Peak
5502.300	86.55			86.04	0.51	Average
5502.300	97.19			96.68	0.51	Peak
7333.150	46.53	54.00	-7.47	40.75	5.78	Average
7333.150	52.33	74.00	-21.67	46.55	5.78	Peak
11000.000	37.69	54.00	-16.31	27.66	10.03	Average
11000.000	50.74	74.00	-23.26	40.71	10.03	Peak
16500.000	55.80	68.20	-12.40	41.05	14.75	Peak

Middle CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5453.960	47.00	54.00	-7.00	46.70	0.30	Average
5453.960	60.56	74.00	-13.44	60.26	0.30	Peak
5579.360	92.97			92.23	0.74	Average
5579.360	103.24			102.50	0.74	Peak
5738.580	63.44	68.20	-4.76	62.16	1.28	Peak
7439.810	42.22	54.00	-11.78	36.16	6.06	Average
7439.810	49.92	74.00	-24.08	43.86	6.06	Peak
11160.000	37.36	54.00	-16.64	27.13	10.23	Average
11160.000	50.45	74.00	-23.55	40.22	10.23	Peak
16740.000	56.40	68.20	-11.80	40.86	15.54	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5421.660	46.75	54.00	-7.25	46.58	0.17	Average
5421.660	60.26	74.00	-13.74	60.09	0.17	Peak
5577.840	86.37			85.64	0.73	Average
5577.840	96.52			95.79	0.73	Peak
5765.560	62.94	68.20	-5.26	61.63	1.31	Peak
7439.810	47.13	54.00	-6.87	41.07	6.06	Average
7439.810	53.53	74.00	-20.47	47.47	6.06	Peak
11160.000	37.84	54.00	-16.16	27.61	10.23	Average
11160.000	49.85	74.00	-24.15	39.62	10.23	Peak
16740.000	56.99	68.20	-11.21	41.44	15.55	Peak

High CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5697.260	90.55			89.23	1.32	Average
5697.260	101.56			100.24	1.32	Peak
5725.310	67.85	68.20	-0.35	66.55	1.30	Peak
7599.810	35.15	54.00	-18.85	29.14	6.01	Average
7599.810	49.33	74.00	-24.67	43.32	6.01	Peak
11400.000	38.16	54.00	-15.84	27.42	10.74	Average
11400.000	50.84	74.00	-23.16	40.10	10.74	Peak
17100.000	57.36	68.20	-10.84	40.83	16.53	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5697.700	82.06			80.74	1.32	Average
5697.700	93.12			91.80	1.32	Peak
5789.440	63.20	68.20	-5.00	61.88	1.32	Peak
7599.810	40.61	54.00	-13.39	34.59	6.02	Average
7599.810	49.31	74.00	-24.69	43.29	6.02	Peak
11400.000	38.03	54.00	-15.97	27.29	10.74	Average
11400.000	50.49	74.00	-23.51	39.75	10.74	Peak
17100.000	57.45	68.20	-10.75	40.92	16.53	Peak

802.11n HT20 mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5459.950	48.62	54.00	-5.38	48.29	0.33	Average
5459.950	66.41	74.00	-7.59	66.08	0.33	Peak
5501.530	92.92			92.41	0.51	Average
5501.530	103.85			103.34	0.51	Peak
7333.150	41.28	54.00	-12.72	35.51	5.77	Average
7333.150	50.15	74.00	-23.85	44.38	5.77	Peak
11000.000	36.73	54.00	-17.27	26.70	10.03	Average
11000.000	50.68	74.00	-23.32	40.65	10.03	Peak
16500.000	55.12	68.20	-13.08	40.36	14.76	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5459.180	47.65	54.00	-6.35	47.32	0.33	Average
5459.180	61.61	74.00	-12.39	61.28	0.33	Peak
5501.640	88.07			87.56	0.51	Average
5501.640	98.94			98.43	0.51	Peak
7333.150	46.58	54.00	-7.42	40.86	5.72	Average
7333.150	52.38	74.00	-21.62	46.66	5.72	Peak
11000.000	36.31	54.00	-17.69	26.28	10.03	Average
11000.000	50.11	74.00	-23.89	40.08	10.03	Peak
16500.000	55.71	68.20	-12.49	40.96	14.75	Peak

Middle CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5411.400	46.79	54.00	-7.21	46.63	0.16	Average
5411.400	60.99	74.00	-13.01	60.83	0.16	Peak
5578.980	92.87			92.13	0.74	Average
5578.980	103.11			102.37	0.74	Peak
5766.320	62.70	68.20	-5.50	61.40	1.30	Peak
7439.810	42.19	54.00	-11.81	36.14	6.05	Average
7439.810	50.67	74.00	-23.33	44.62	6.05	Peak
11160.000	36.94	54.00	-17.06	26.71	10.23	Average
11160.000	50.26	74.00	-23.74	40.03	10.23	Peak
16740.000	58.05	68.20	-10.15	42.51	15.54	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5410.260	46.86	54.00	-7.14	46.71	0.15	Average
5410.260	60.74	74.00	-13.26	60.59	0.15	Peak
5578.600	86.00			85.26	0.74	Average
5578.600	95.93			95.19	0.74	Peak
5745.420	62.33	68.20	-5.87	61.06	1.27	Peak
7449.810	47.73	54.00	-6.27	41.68	6.05	Average
7449.810	52.72	74.00	-21.28	46.67	6.05	Peak
11160.000	38.08	54.00	-15.92	27.85	10.23	Average
11160.000	50.22	74.00	-23.78	39.99	10.23	Peak
16740.000	57.09	68.20	-11.11	41.55	15.54	Peak

High CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5701.440	89.45			88.13	1.32	Average
5701.440	100.77			99.45	1.32	Peak
5725.200	68.17	68.20	-0.03	66.87	1.30	Peak
7599.810	34.76	54.00	-19.24	28.74	6.02	Average
7599.810	47.88	74.00	-26.12	41.86	6.02	Peak
11400.000	37.86	54.00	-16.14	27.12	10.74	Average
11400.000	51.52	74.00	-22.48	40.78	10.74	Peak
17100.000	58.37	68.20	-9.83	41.84	16.53	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5701.550	81.48			80.16	1.32	Average
5701.550	92.23			90.91	1.32	Peak
5727.950	63.55	68.20	-4.65	62.26	1.29	Peak
7599.810	37.81	54.00	-16.19	31.79	6.02	Average
7599.810	47.81	74.00	-26.19	41.79	6.02	Peak
11400.000	38.33	54.00	-15.67	27.59	10.74	Average
11400.000	51.02	74.00	-22.98	40.28	10.74	Peak
17100.000	57.08	68.20	-11.12	40.55	16.53	Peak

802.11n HT40 mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5459.150	52.95	54.00	-1.05	52.62	0.33	Average
5459.150	70.17	74.00	-3.83	69.84	0.33	Peak
5513.880	87.80			87.26	0.54	Average
5513.880	99.29			98.75	0.54	Peak
11020.000	36.33	54.00	-17.67	26.20	10.13	Average
11020.000	50.19	74.00	-23.81	40.06	10.13	Peak
16530.000	55.93	68.20	-12.27	41.10	14.83	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5459.670	49.80	54.00	-4.20	49.47	0.33	Average
5459.670	65.95	74.00	-8.05	65.62	0.33	Peak
5514.790	82.41			81.87	0.54	Average
5514.790	93.66			93.12	0.54	Peak
11020.000	36.24	54.00	-17.76	26.11	10.13	Average
11020.000	50.56	74.00	-23.44	40.43	10.13	Peak
16530.000	56.08	68.20	-12.12	41.25	14.83	Peak

Middle CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5441.800	47.13	54.00	-6.87	46.89	0.24	Average
5441.800	61.22	74.00	-12.78	60.98	0.24	Peak
5554.280	87.82			87.16	0.66	Average
5554.280	98.76			98.10	0.66	Peak
5775.820	62.33	68.20	-5.87	61.01	1.32	Peak
!11100.000	36.85	54.00	-17.15	26.48	10.37	Average
11100.000	50.93	74.00	-23.07	40.56	10.37	Peak
!16650.000	56.33	68.20	-11.87	41.30	15.03	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5456.240	47.17	54.00	-6.83	46.85	0.32	Average
5456.240	60.95	74.00	-13.05	60.63	0.32	Peak
5542.880	82.00			81.37	0.63	Average
5542.880	92.72			92.09	0.63	Peak
5764.800	62.62	68.20	-5.58	61.31	1.31	Peak
11100.000	37.07	54.00	-16.93	26.70	10.37	Average
11100.000	49.66	74.00	-24.34	39.29	10.37	Peak
16650.000	57.39	68.20	-10.81	42.36	15.03	Peak

High CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5664.400	85.86			84.75	1.11	Average
5664.400	97.12			96.01	1.11	Peak
5741.050	63.67	68.20	-4.53	62.38	1.29	Peak
11340.000	37.16	54.00	-16.84	26.70	10.46	Average
11340.000	50.56	74.00	-23.44	40.10	10.46	Peak
17010.000	57.61	68.20	-10.59	42.01	15.60	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5665.900	78.29			77.15	1.14	Average
5665.900	89.28			88.14	1.14	Peak
5725.900	63.23	68.20	-4.97	61.93	1.30	Peak
11340.000	37.17	54.00	-16.83	26.71	10.46	Average
11340.000	51.15	74.00	-22.85	40.69	10.46	Peak
17010.000	57.81	68.20	-10.39	42.21	15.60	Peak

Above 1G (1 GHz-40 GHz) in UNII-3:

802.11a mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5613.240	61.29	68.20	-6.91	60.47	0.82	Peak
5676.240	62.18	87.66	-25.48	60.98	1.20	Peak
5719.080	71.52	110.54	-39.02	70.22	1.30	Peak
5748.240	99.95			98.67	1.28	Peak
5868.480	64.04	107.02	-42.98	62.00	2.04	Peak
5889.000	64.10	94.81	-30.71	61.80	2.30	Peak
5930.040	64.28	68.20	-3.92	61.79	2.49	Peak
11490.000	37.56	54.00	-16.44	26.86	10.70	Average
11490.000	50.84	74.00	-23.16	40.14	10.70	Peak
17235.000	57.86	68.20	-10.34	40.89	16.97	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5615.760	60.76	68.20	-7.44	59.93	0.83	Peak
5680.200	61.50	90.59	-29.09	60.27	1.23	Peak
5715.120	63.27	109.44	-46.17	61.96	1.31	Peak
5747.160	94.93			93.65	1.28	Peak
5856.240	63.31	110.45	-47.14	61.41	1.90	Peak
5916.720	64.11	74.31	-10.20	61.65	2.46	Peak
5948.400	64.34	68.20	-3.86	61.88	2.46	Peak
11490.000	37.35	54.00	-16.65	26.65	10.70	Average
11490.000	51.58	74.00	-22.42	40.88	10.70	Peak
17235.000	58.28	68.20	-9.92	41.31	16.97	Peak

Middle CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5636.640	62.27	68.20	-5.93	61.33	0.94	Peak
5681.640	62.33	91.65	-29.32	61.10	1.23	Peak
5710.800	62.77	108.23	-45.46	61.45	1.32	Peak
5782.440	99.64			98.31	1.33	Peak
5862.360	64.50	108.74	-44.24	62.53	1.97	Peak
5893.320	65.28	91.61	-26.33	62.94	2.34	Peak
5953.440	64.92	68.20	-3.28	62.46	2.46	Peak
!11570.000	37.63	54.00	-16.37	26.87	10.76	Average
11570.000	51.31	74.00	-22.69	40.55	10.76	Peak
!17355.000	58.28	68.20	-9.92	40.57	17.71	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5615.760	61.47	68.20	-6.73	60.64	0.83	Peak
5675.880	61.70	87.39	-25.69	60.51	1.19	Peak
5716.200	61.80	109.74	-47.94	60.48	1.32	Peak
5788.560	95.07			93.74	1.33	Peak
5871.000	64.29	106.32	-42.03	62.22	2.07	Peak
5909.160	63.98	79.89	-15.91	61.54	2.44	Peak
5948.760	64.38	68.20	-3.82	61.93	2.45	Peak
11570.000	37.56	54.00	-16.44	26.80	10.76	Average
11570.000	51.34	74.00	-22.66	40.58	10.76	Peak
17355.000	58.89	68.20	-9.31	41.18	17.71	Peak

High CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5631.960	61.77	68.20	-6.43	60.87	0.90	Peak
5682.000	62.55	91.92	-29.37	61.32	1.23	Peak
5711.880	62.02	108.53	-46.51	60.71	1.31	Peak
5822.400	99.19			97.68	1.51	Peak
5866.320	63.79	107.63	-43.84	61.77	2.02	Peak
5909.880	64.55	79.36	-14.81	62.11	2.44	Peak
5931.480	64.63	68.20	-3.57	62.14	2.49	Peak
11650.000	38.01	54.00	-15.99	27.11	10.90	Average
11650.000	51.99	74.00	-22.01	41.09	10.90	Peak
17475.000	58.70	68.20	-9.50	40.64	18.06	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5628.720	61.98	68.20	-6.22	61.09	0.89	Peak
5671.560	62.00	84.19	-22.19	60.84	1.16	Peak
5714.760	62.27	109.33	-47.06	60.97	1.30	Peak
5823.120	94.50			92.99	1.51	Peak
5859.480	63.79	109.54	-45.75	61.86	1.93	Peak
5895.840	64.52	89.74	-25.22	62.14	2.38	Peak
5927.880	64.50	68.20	-3.70	62.01	2.49	Peak
11650.000	38.06	54.00	-15.94	27.21	10.85	Average
11650.000	51.23	74.00	-22.77	40.38	10.85	Peak
17475.000	58.59	68.20	-9.61	40.53	18.06	Peak

802.11n HT20 mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5642.400	62.17	68.20	-6.03	61.20	0.97	Peak
5690.280	61.90	98.03	-36.13	60.63	1.27	Peak
5719.080	72.29	110.54	-38.25	70.99	1.30	Peak
5740.680	100.77			99.48	1.29	Peak
5866.680	63.78	107.53	-43.75	61.76	2.02	Peak
5896.560	64.39	89.21	-24.82	62.01	2.38	Peak
5933.640	64.21	68.20	-3.99	61.72	2.49	Peak
11490.000	37.47	54.00	-16.53	26.77	10.70	Average
11490.000	50.91	74.00	-23.09	40.21	10.70	Peak
17235.000	58.27	68.20	-9.93	41.30	16.97	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5629.440	61.47	68.20	-6.73	60.58	0.89	Peak
5676.600	61.98	87.92	-25.94	60.78	1.20	Peak
5718.720	67.27	110.44	-43.17	65.96	1.31	Peak
5742.120	95.22			93.94	1.28	Peak
5863.800	63.81	108.33	-44.52	61.83	1.98	Peak
5889.720	65.00	94.27	-29.27	62.70	2.30	Peak
5939.760	64.45	68.20	-3.75	61.98	2.47	Peak
11490.000	37.57	54.00	-16.43	26.87	10.70	Average
11490.000	50.25	74.00	-23.75	39.55	10.70	Peak
17235.000	58.47	68.20	-9.73	41.50	16.97	Peak

Middle CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5627.640	61.61	68.20	-6.59	60.74	0.87	Peak
5674.440	61.78	86.33	-24.55	60.59	1.19	Peak
5703.240	62.23	106.11	-43.88	60.90	1.33	Peak
5783.160	99.56			98.22	1.34	Peak
5871.360	63.84	106.22	-42.38	61.76	2.08	Peak
5902.680	64.76	84.68	-19.92	62.33	2.43	Peak
5948.400	64.16	68.20	-4.04	61.70	2.46	Peak
11570.000	37.60	54.00	-16.40	26.84	10.76	Average
11570.000	51.19	74.00	-22.81	40.43	10.76	Peak
17355.000	58.70	68.20	-9.50	40.99	17.71	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5636.640	61.71	68.20	-6.49	60.77	0.94	Peak
5671.200	62.27	83.93	-21.66	61.11	1.16	Peak
5717.640	61.67	110.14	-48.47	60.36	1.31	Peak
5783.160	95.08			93.74	1.34	Peak
5871.000	64.06	106.32	-42.26	61.99	2.07	Peak
5901.240	64.44	85.74	-21.30	62.00	2.44	Peak
5946.960	64.55	68.20	-3.65	62.08	2.47	Peak
11570.000	37.69	54.00	-16.31	26.93	10.76	Average
11570.000	50.76	74.00	-23.24	40.00	10.76	Peak
17355.000	58.55	68.20	-9.65	40.84	17.71	Peak

High CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5637.360	61.20	68.20	-7.00	60.26	0.94	Peak
5683.440	61.57	92.98	-31.41	60.33	1.24	Peak
5709.000	62.48	107.72	-45.24	61.17	1.31	Peak
5823.480	98.95			97.44	1.51	Peak
5862.360	63.90	108.74	-44.84	61.93	1.97	Peak
5905.920	64.19	82.28	-18.09	61.74	2.45	Peak
5953.800	63.98	68.20	-4.22	61.53	2.45	Peak
11650.000	37.40	54.00	-16.60	26.50	10.90	Average
11650.000	51.48	74.00	-22.52	40.58	10.90	Peak
17475.000	58.55	68.20	-9.65	40.49	18.06	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5628.720	61.98	68.20	-6.22	61.09	0.89	Peak
5671.560	62.00	84.19	-22.19	60.84	1.16	Peak
5714.760	62.27	109.33	-47.06	60.97	1.30	Peak
5823.120	94.50			92.99	1.51	Peak
5859.480	63.79	109.54	-45.75	61.86	1.93	Peak
5895.840	64.52	89.74	-25.22	62.14	2.38	Peak
5927.880	64.50	68.20	-3.70	62.01	2.49	Peak
11650.000	37.21	54.00	-16.79	26.31	10.90	Average
11650.000	51.13	74.00	-22.87	40.23	10.90	Peak
17475.000	58.89	68.20	-9.31	40.83	18.06	Peak

802.11n HT40 mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5640.240	63.01	68.20	-5.19	62.06	0.95	Peak
5694.240	63.62	100.95	-37.33	62.33	1.29	Peak
5716.560	72.12	109.84	-37.72	70.81	1.31	Peak
5747.520	95.42			94.14	1.28	Peak
5869.200	63.83	106.82	-42.99	61.78	2.05	Peak
5918.880	65.22	72.71	-7.49	62.76	2.46	Peak
5966.400	64.45	68.20	-3.75	62.02	2.43	Peak
11510.000	37.04	54.00	-16.96	26.31	10.73	Average
11510.000	50.58	74.00	-23.42	39.85	10.73	Peak
17265.000	58.63	68.20	-9.57	41.53	17.10	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5616.840	62.07	68.20	-6.13	61.23	0.84	Peak
5678.040	62.19	88.99	-26.80	60.98	1.21	Peak
5718.360	67.21	110.34	-43.13	65.90	1.31	Peak
5749.680	89.51			88.24	1.27	Peak
5871.360	63.49	106.22	-42.73	61.41	2.08	Peak
5915.640	64.43	75.10	-10.67	61.97	2.46	Peak
5956.320	64.41	68.20	-3.79	61.96	2.45	Peak
11510.000	37.13	54.00	-16.87	26.40	10.73	Average
11510.000	50.24	74.00	-23.76	39.51	10.73	Peak
17265.000	59.26	68.20	-8.94	42.16	17.10	Peak

High CH

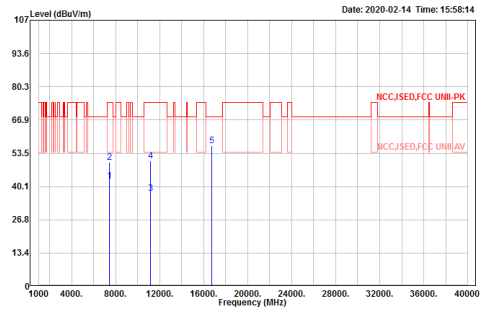
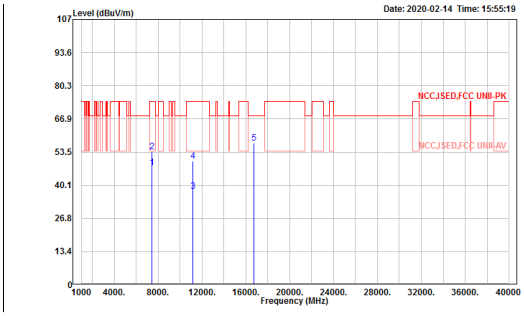
Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5625.840	62.34	68.20	-5.86	61.47	0.87	Peak
5679.120	62.50	89.79	-27.29	61.28	1.22	Peak
5703.960	62.33	106.31	-43.98	61.01	1.32	Peak
5789.640	94.62			93.30	1.32	Peak
5865.240	64.87	107.93	-43.06	62.86	2.01	Peak
5909.520	65.04	79.62	-14.58	62.60	2.44	Peak
5934.360	64.39	68.20	-3.81	61.91	2.48	Peak
11590.000	37.18	54.00	-16.82	26.41	10.77	Average
11590.000	50.59	74.00	-23.41	39.82	10.77	Peak
17385.000	58.66	68.20	-9.54	40.85	17.81	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5643.480	61.80	68.20	-6.40	60.82	0.98	Peak
5687.400	62.59	95.91	-33.32	61.32	1.27	Peak
5707.200	62.57	107.22	-44.65	61.25	1.32	Peak
5787.840	89.77			88.44	1.33	Peak
5864.160	64.10	108.23	-44.13	62.10	2.00	Peak
5921.040	64.98	71.12	-6.14	62.51	2.47	Peak
5932.560	64.86	68.20	-3.34	62.38	2.48	Peak
11590.000	37.38	54.00	-16.62	26.61	10.77	Average
11590.000	51.30	74.00	-22.70	40.53	10.77	Peak
17385.000	58.96	68.20	-9.24	41.15	17.81	Peak

Above 1G (1 GHz-40 GHz): test the worst mode: UNII-2c A mode Middle CH.

Horizontal	Vertical
	

	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		
1 !	7439.810	42.22	54.00	-11.78	36.16	6.06	Average	horizontal
2	7439.810	49.92	74.00	-24.08	43.86	6.06	Peak	horizontal
3 !	11160.000	37.36	54.00	-16.64	27.13	10.23	Average	horizontal
4	11160.000	50.45	74.00	-23.55	40.22	10.23	Peak	horizontal
5 !	16740.000	56.40	68.20	-11.80	40.86	15.54	Peak	horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		
1 !	7439.810	47.13	54.00	-6.87	41.07	6.06	Average	vertical
2	7439.810	53.53	74.00	-20.47	47.47	6.06	Peak	vertical
3 !	11160.000	37.84	54.00	-16.16	27.61	10.23	Average	vertical
4	11160.000	49.85	74.00	-24.15	39.62	10.23	Peak	vertical
5 !	16740.000	56.99	68.20	-11.21	41.44	15.55	Peak	vertical

Level = Read Level + Factor

Over Limit = Level – Limit

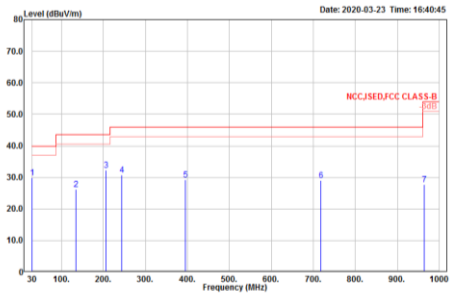
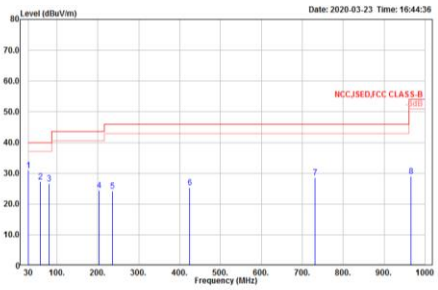
Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain

Spurious emissions more than 20 dB below the limit were not reported

< PIFA Antenna (SMARTEQ 4211613980)>

Transmitting mode (Pre-scan with three orthogonal axis, and worse case as Z axis)

Below 1G (30 MHz-1 GHz) test the output power worst mode

Horizontal	Vertical
	

	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		
1	30.000	29.92	40.00	-10.08	36.15	-6.23	Peak	horizontal
2	134.760	26.16	43.50	-17.34	43.77	-17.61	Peak	horizontal
3	205.570	32.35	43.50	-11.15	52.56	-20.21	Peak	horizontal
4	244.370	30.73	46.00	-15.27	50.32	-19.59	Peak	horizontal
5	394.720	29.33	46.00	-16.67	45.30	-15.97	Peak	horizontal
6	717.730	29.03	46.00	-16.97	39.41	-10.38	Peak	horizontal
7	964.110	27.69	54.00	-26.31	35.16	-7.47	Peak	horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		
1	30.000	31.01	40.00	-8.99	37.24	-6.23	Peak	vertical
2	60.070	27.30	40.00	-12.70	49.46	-22.16	Peak	vertical
3	80.440	26.73	40.00	-13.27	49.65	-22.92	Peak	vertical
4	203.630	24.48	43.50	-19.02	44.08	-19.60	Peak	vertical
5	235.640	24.38	46.00	-21.62	44.11	-19.73	Peak	vertical
6	424.790	25.39	46.00	-20.61	40.48	-15.09	Peak	vertical
7	731.310	28.52	46.00	-17.48	38.60	-10.08	Peak	vertical
8	965.080	28.96	54.00	-25.04	36.45	-7.49	Peak	vertical

Level = Read Level + Factor

Over Limit = Level – Limit

Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain

Spurious emissions more than 20 dB below the limit were not reported

Above 1G (1 GHz-40 GHz) in UNII-1:

802.11a mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5148.100	49.57	54.00	-4.43	49.22	0.35	Average
5148.100	67.20	74.00	-6.80	66.85	0.35	Peak
5182.300	93.86			93.61	0.25	Average
5182.300	104.59			104.34	0.25	Peak
6906.700	59.37	68.20	-8.83	54.93	4.44	Peak
10360.000	51.31	68.20	-16.89	42.09	9.22	Peak
15540.000	41.67	54.00	-12.33	27.48	14.19	Average
15540.000	55.94	74.00	-18.06	41.75	14.19	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5147.350	47.86	54.00	-6.14	47.51	0.35	Average
5147.350	63.85	74.00	-10.15	63.50	0.35	Peak
5181.550	89.43			89.19	0.24	Average
5181.550	99.99			99.75	0.24	Peak
6906.700	51.37	68.20	-16.83	46.93	4.44	Peak
10360.000	50.91	68.20	-17.29	41.69	9.22	Peak
15540.000	41.99	54.00	-12.01	27.80	14.19	Average
15540.000	56.65	74.00	-17.35	42.46	14.19	Peak

Middle CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5078.800	46.98	54.00	-7.02	46.42	0.56	Average
5078.800	60.53	74.00	-13.47	59.97	0.56	Peak
5201.600	94.39			94.13	0.26	Average
5201.600	104.80			104.54	0.26	Peak
5358.800	46.61	54.00	-7.39	46.41	0.20	Average
5358.800	60.38	74.00	-13.62	60.18	0.20	Peak
! 6933.300	59.01	68.20	-9.19	54.63	4.38	Peak
!10400.000	50.68	68.20	-17.52	41.29	9.39	Peak
!15600.000	45.72	54.00	-8.28	31.55	14.17	Average
!15600.000	58.99	74.00	-15.01	44.82	14.17	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5114.800	46.68	54.00	-7.32	46.23	0.45	Average
5114.800	61.41	74.00	-12.59	60.96	0.45	Peak
5197.200	88.36			88.10	0.26	Average
5197.200	98.93			98.67	0.26	Peak
5395.600	46.66	54.00	-7.34	46.52	0.14	Average
5395.600	60.91	74.00	-13.09	60.77	0.14	Peak
6933.300	53.19	68.20	-15.01	48.81	4.38	Peak
10400.000	50.80	68.20	-17.40	41.41	9.39	Peak
15600.000	44.68	54.00	-9.32	30.51	14.17	Average
15600.000	57.19	74.00	-16.81	43.02	14.17	Peak

High CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5108.400	46.84	54.00	-7.16	46.37	0.47	Average
5108.400	60.48	74.00	-13.52	60.01	0.47	Peak
5242.800	95.40			95.18	0.22	Average
5242.800	105.43			105.21	0.22	Peak
5412.400	46.73	54.00	-7.27	46.58	0.15	Average
5412.400	60.52	74.00	-13.48	60.37	0.15	Peak
6986.700	55.13	68.20	-13.07	50.95	4.18	Peak
10480.000	50.96	68.20	-17.24	41.77	9.19	Peak
15720.000	45.57	54.00	-8.43	31.27	14.30	Average
15720.000	60.62	74.00	-13.38	46.32	14.30	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5137.200	47.04	54.00	-6.96	46.65	0.39	Average
5137.200	61.23	74.00	-12.77	60.84	0.39	Peak
5238.000	89.99			89.75	0.24	Average
5238.000	99.91			99.67	0.24	Peak
5371.600	46.71	54.00	-7.29	46.53	0.18	Average
5371.600	60.48	74.00	-13.52	60.30	0.18	Peak
6986.700	51.03	68.20	-17.17	46.85	4.18	Peak
10480.000	50.46	68.20	-17.74	41.27	9.19	Peak
15720.000	45.76	54.00	-8.24	31.46	14.30	Average
15720.000	59.54	74.00	-14.46	45.24	14.30	Peak

802.11n HT20 mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5149.600	51.23	54.00	-2.77	50.88	0.35	Average
5149.600	68.63	74.00	-5.37	68.28	0.35	Peak
5181.700	94.16			93.91	0.25	Average
5181.700	104.76			104.51	0.25	Peak
6906.700	59.08	68.20	-9.12	54.64	4.44	Peak
10360.000	50.00	68.20	-18.20	40.78	9.22	Peak
15540.000	42.08	54.00	-11.92	27.89	14.19	Average
15540.000	56.02	74.00	-17.98	41.83	14.19	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5146.750	48.47	54.00	-5.53	48.12	0.35	Average
5146.750	64.37	74.00	-9.63	64.02	0.35	Peak
5178.100	89.46			89.21	0.25	Average
5178.100	100.18			99.93	0.25	Peak
6906.700	53.74	68.20	-14.46	49.30	4.44	Peak
10360.000	50.67	68.20	-17.53	41.45	9.22	Peak
15540.000	41.56	54.00	-12.44	27.37	14.19	Average
15540.000	57.30	74.00	-16.70	43.11	14.19	Peak

Middle CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5150.000	46.75	54.00	-7.25	46.41	0.34	Average
5150.000	61.23	74.00	-12.77	60.89	0.34	Peak
5201.600	94.19			93.93	0.26	Average
5201.600	104.89			104.63	0.26	Peak
5374.400	46.71	54.00	-7.29	46.53	0.18	Average
5374.400	61.10	74.00	-12.90	60.92	0.18	Peak
6933.300	58.98	68.20	-9.22	54.60	4.38	Peak
10400.000	50.01	68.20	-18.19	40.62	9.39	Peak
15600.000	44.72	54.00	-9.28	30.55	14.17	Average
15600.000	58.41	74.00	-15.59	44.24	14.17	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5136.000	46.70	54.00	-7.30	46.30	0.40	Average
5136.000	60.69	74.00	-13.31	60.29	0.40	Peak
5202.800	88.93			88.68	0.25	Average
5202.800	99.45			99.20	0.25	Peak
5396.000	46.49	54.00	-7.51	46.35	0.14	Average
5396.000	60.56	74.00	-13.44	60.42	0.14	Peak
6933.300	52.27	68.20	-15.93	47.89	4.38	Peak
10400.000	50.79	68.20	-17.41	41.40	9.39	Peak
15600.000	44.32	54.00	-9.68	30.15	14.17	Average
15600.000	58.72	74.00	-15.28	44.55	14.17	Peak

High CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5144.000	46.51	54.00	-7.49	46.15	0.36	Average
5144.000	61.25	74.00	-12.75	60.89	0.36	Peak
5241.600	94.97			94.75	0.22	Average
5241.600	105.75			105.53	0.22	Peak
5373.600	46.52	54.00	-7.48	46.33	0.19	Average
5373.600	60.71	74.00	-13.29	60.52	0.19	Peak
6986.700	58.49	68.20	-9.71	54.31	4.18	Peak
10480.000	51.35	68.20	-16.85	42.16	9.19	Peak
15780.000	45.51	54.00	-8.49	31.48	14.03	Average
15780.000	60.07	74.00	-13.93	46.04	14.03	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5113.600	46.62	54.00	-7.38	46.17	0.45	Average
5113.600	60.87	74.00	-13.13	60.42	0.45	Peak
5237.600	89.48			89.24	0.24	Average
5237.600	99.72			99.48	0.24	Peak
5382.400	46.60	54.00	-7.40	46.43	0.17	Average
5382.400	60.37	74.00	-13.63	60.20	0.17	Peak
6986.700	52.32	68.20	-15.88	48.14	4.18	Peak
10480.000	49.74	68.20	-18.46	40.55	9.19	Peak
15720.000	45.67	54.00	-8.33	31.37	14.30	Average
15720.000	60.61	74.00	-13.39	46.31	14.30	Peak

802.11n HT40 mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5149.680	53.62	54.00	-0.38	53.27	0.35	Average
5149.680	69.17	74.00	-4.83	68.82	0.35	Peak
5194.800	88.04			87.78	0.26	Average
5194.800	99.43			99.17	0.26	Peak
6920.000	59.31	68.20	-8.89	54.91	4.40	Peak
10380.000	49.90	68.20	-18.30	40.54	9.36	Peak
15570.000	43.95	54.00	-10.05	29.77	14.18	Average
15570.000	57.42	74.00	-16.58	43.24	14.18	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5149.520	50.92	54.00	-3.08	50.57	0.35	Average
5149.520	66.36	74.00	-7.64	66.01	0.35	Peak
5193.680	82.50			82.25	0.25	Average
5193.680	93.83			93.58	0.25	Peak
6920.000	55.58	68.20	-12.62	51.18	4.40	Peak
10380.000	49.14	68.20	-19.06	39.78	9.36	Peak
15570.000	44.02	54.00	-9.98	29.84	14.18	Average
15570.000	58.26	74.00	-15.74	44.08	14.18	Peak

High CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5119.200	47.01	54.00	-6.99	46.58	0.43	Average
5119.200	61.26	74.00	-12.74	60.83	0.43	Peak
5232.000	89.52			89.25	0.27	Average
5232.000	100.21			99.94	0.27	Peak
5406.000	46.73	54.00	-7.27	46.60	0.13	Average
5406.000	61.22	74.00	-12.78	61.09	0.13	Peak
6973.300	58.51	68.20	-9.69	54.28	4.23	Peak
10460.000	51.22	68.20	-16.98	41.94	9.28	Peak
15690.000	45.65	54.00	-8.35	31.35	14.30	Average
15690.000	57.23	74.00	-16.77	42.93	14.30	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5127.600	46.72	54.00	-7.28	46.30	0.42	Average
5127.600	61.05	74.00	-12.95	60.63	0.42	Peak
5236.000	84.37			84.12	0.25	Average
5236.000	95.35			95.10	0.25	Peak
5403.200	46.58	54.00	-7.42	46.45	0.13	Average
5403.200	60.97	74.00	-13.03	60.84	0.13	Peak
6973.300	54.91	68.20	-13.29	50.68	4.23	Peak
10460.000	51.06	68.20	-17.14	41.78	9.28	Peak
15690.000	45.75	54.00	-8.25	31.45	14.30	Average
15690.000	59.46	74.00	-14.54	45.16	14.30	Peak

Above 1G (1 GHz-40 GHz) in UNII-2a:

802.11a mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5109.200	46.74	54.00	-7.26	46.28	0.46	Average
5109.200	60.35	74.00	-13.65	59.89	0.46	Peak
5258.000	94.30			94.12	0.18	Average
5258.000	104.86			104.68	0.18	Peak
5406.400	46.54	54.00	-7.46	46.41	0.13	Average
5406.400	60.34	74.00	-13.66	60.21	0.13	Peak
7013.300	56.41	68.20	-11.79	52.21	4.20	Peak
10520.000	51.45	68.20	-16.75	42.61	8.84	Peak
15780.000	44.72	54.00	-9.28	30.69	14.03	Average
15780.000	59.68	74.00	-14.32	45.65	14.03	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5076.000	46.93	54.00	-7.07	46.36	0.57	Average
5076.000	61.14	74.00	-12.86	60.57	0.57	Peak
5259.200	88.97			88.79	0.18	Average
5259.200	99.47			99.29	0.18	Peak
5448.000	46.71	54.00	-7.29	46.44	0.27	Average
5448.000	60.65	74.00	-13.35	60.38	0.27	Peak
7013.300	51.02	68.20	-17.18	46.82	4.20	Peak
10520.000	50.12	68.20	-18.08	41.28	8.84	Peak
15780.000	45.03	54.00	-8.97	31.00	14.03	Average
15780.000	59.22	74.00	-14.78	45.19	14.03	Peak

Middle CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5136.400	46.67	54.00	-7.33	46.28	0.39	Average
5136.400	61.31	74.00	-12.69	60.92	0.39	Peak
5301.600	93.18			92.97	0.21	Average
5301.600	103.76			103.55	0.21	Peak
5436.400	46.62	54.00	-7.38	46.39	0.23	Average
5436.400	60.48	74.00	-13.52	60.25	0.23	Peak
7066.700	54.74	68.20	-13.46	50.15	4.59	Peak
10600.000	36.65	54.00	-17.35	27.37	9.28	Average
10600.000	51.46	74.00	-22.54	42.18	9.28	Peak
15900.000	45.54	54.00	-8.46	31.69	13.85	Average
15900.000	58.77	74.00	-15.23	44.92	13.85	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5081.200	46.85	54.00	-7.15	46.30	0.55	Average
5081.200	61.85	74.00	-12.15	61.30	0.55	Peak
5298.000	89.78			89.59	0.19	Average
5298.000	100.12			99.93	0.19	Peak
5362.800	46.54	54.00	-7.46	46.35	0.19	Average
5362.800	60.64	74.00	-13.36	60.45	0.19	Peak
7066.700	50.83	68.20	-17.37	46.24	4.59	Peak
10600.000	36.83	54.00	-17.17	27.55	9.28	Average
10600.000	50.85	74.00	-23.15	41.57	9.28	Peak
15900.000	45.01	54.00	-8.99	31.16	13.85	Average
15900.000	59.00	74.00	-15.00	45.15	13.85	Peak

High CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5317.280	93.34			93.11	0.23	Average
5317.280	104.00			103.77	0.23	Peak
5350.880	48.96	54.00	-5.04	48.74	0.22	Average
5350.880	66.57	74.00	-7.43	66.35	0.22	Peak
7093.300	55.73	68.20	-12.47	50.93	4.80	Peak
10640.000	38.02	54.00	-15.98	28.12	9.90	Average
10640.000	52.06	74.00	-21.94	42.16	9.90	Peak
15960.000	44.82	54.00	-9.18	31.17	13.65	Average
15960.000	58.77	74.00	-15.23	45.12	13.65	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5322.180	89.16			88.93	0.23	Average
5322.180	99.83			99.60	0.23	Peak
5351.440	47.38	54.00	-6.62	47.17	0.21	Average
5351.440	63.54	74.00	-10.46	63.33	0.21	Peak
7093.300	51.65	68.20	-16.55	46.85	4.80	Peak
10640.000	37.32	54.00	-16.68	27.42	9.90	Average
10640.000	51.61	74.00	-22.39	41.71	9.90	Peak
15960.000	44.84	54.00	-9.16	31.19	13.65	Average
15960.000	59.52	74.00	-14.48	45.87	13.65	Peak

802.11n HT20 mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5093.200	46.83	54.00	-7.17	46.32	0.51	Average
5093.200	60.58	74.00	-13.42	60.07	0.51	Peak
5258.400	94.37			94.19	0.18	Average
5258.400	104.69			104.51	0.18	Peak
5386.800	46.64	54.00	-7.36	46.48	0.16	Average
5386.800	60.49	74.00	-13.51	60.33	0.16	Peak
7013.300	56.71	68.20	-11.49	52.51	4.20	Peak
10520.000	50.62	68.20	-17.58	41.78	8.84	Peak
15780.000	45.69	54.00	-8.31	31.66	14.03	Average
15780.000	60.64	74.00	-13.36	46.61	14.03	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5137.200	46.67	54.00	-7.33	46.28	0.39	Average
5137.200	60.73	74.00	-13.27	60.34	0.39	Peak
5257.600	88.29			88.12	0.17	Average
5257.600	98.91			98.74	0.17	Peak
5405.200	46.46	54.00	-7.54	46.33	0.13	Average
5405.200	59.98	74.00	-14.02	59.85	0.13	Peak
7013.300	51.66	68.20	-16.54	47.46	4.20	Peak
10520.000	51.12	68.20	-17.08	42.28	8.84	Peak
15780.000	45.83	54.00	-8.17	31.80	14.03	Average
15780.000	58.79	74.00	-15.21	44.76	14.03	Peak

Middle CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5066.800	46.89	54.00	-7.11	46.30	0.59	Average
5066.800	61.80	74.00	-12.20	61.21	0.59	Peak
5298.400	93.44			93.25	0.19	Average
5298.400	104.25			104.06	0.19	Peak
5390.800	46.29	54.00	-7.71	46.15	0.14	Average
5390.800	60.58	74.00	-13.42	60.44	0.14	Peak
7066.700	56.43	68.20	-11.77	51.84	4.59	Peak
10600.000	36.89	54.00	-17.11	27.61	9.28	Average
10600.000	49.93	74.00	-24.07	40.65	9.28	Peak
15900.000	45.40	54.00	-8.60	31.55	13.85	Average
15900.000	58.85	74.00	-15.15	45.00	13.85	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5107.600	46.72	54.00	-7.28	46.25	0.47	Average
5107.600	60.65	74.00	-13.35	60.18	0.47	Peak
5299.200	89.66			89.45	0.21	Average
5299.200	99.57			99.36	0.21	Peak
5448.400	46.81	54.00	-7.19	46.54	0.27	Average
5448.400	60.81	74.00	-13.19	60.54	0.27	Peak
7066.700	52.90	68.20	-15.30	48.31	4.59	Peak
10600.000	36.70	54.00	-17.30	27.42	9.28	Average
10600.000	50.03	74.00	-23.97	40.87	9.16	Peak
15900.000	44.59	54.00	-9.41	30.74	13.85	Average
15900.000	57.82	74.00	-16.18	43.97	13.85	Peak

High CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5321.480	93.33			93.09	0.24	Average
5321.480	104.17			103.93	0.24	Peak
5350.600	50.12	54.00	-3.88	49.90	0.22	Average
5350.600	68.00	74.00	-6.00	67.78	0.22	Peak
7084.000	56.00	68.20	-12.20	51.26	4.74	Peak
10640.000	37.85	54.00	-16.15	27.95	9.90	Average
10640.000	51.88	74.00	-22.12	41.98	9.90	Peak
15960.000	44.62	54.00	-9.38	30.97	13.65	Average
15960.000	58.58	74.00	-15.42	44.93	13.65	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5321.340	88.72			88.48	0.24	Average
5321.340	99.42			99.18	0.24	Peak
5350.460	47.81	54.00	-6.19	47.59	0.22	Average
5350.460	63.89	74.00	-10.11	63.67	0.22	Peak
7093.300	52.73	68.20	-15.47	47.99	4.74	Peak
10640.000	37.57	54.00	-16.43	27.67	9.90	Average
10640.000	51.14	74.00	-22.86	41.24	9.90	Peak
15960.000	44.95	54.00	-9.05	31.30	13.65	Average
15960.000	58.61	74.00	-15.39	44.96	13.65	Peak

802.11n HT40 mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5099.600	46.80	54.00	-7.20	46.32	0.48	Average
5099.600	61.03	74.00	-12.97	60.55	0.48	Peak
5274.800	88.72			88.57	0.15	Average
5274.800	99.95			99.80	0.15	Peak
5444.400	46.78	54.00	-7.22	46.53	0.25	Average
5444.400	60.74	74.00	-13.26	60.49	0.25	Peak
7026.700	55.35	68.20	-12.85	51.09	4.26	Peak
10540.000	50.77	68.20	-17.43	41.99	8.78	Peak
15810.000	44.20	54.00	-9.80	30.27	13.93	Average
15810.000	57.90	74.00	-16.10	43.97	13.93	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5140.800	46.67	54.00	-7.33	46.29	0.38	Average
5140.800	60.68	74.00	-13.32	60.30	0.38	Peak
5254.000	83.73			83.55	0.18	Average
5254.000	94.26			94.08	0.18	Peak
5428.000	46.71	54.00	-7.29	46.53	0.18	Average
5428.000	60.85	74.00	-13.15	60.67	0.18	Peak
7026.700	53.45	68.20	-14.75	49.19	4.26	Peak
10540.000	50.80	68.20	-17.40	42.02	8.78	Peak
15810.000	44.10	54.00	-9.90	30.17	13.93	Average
15810.000	59.00	74.00	-15.00	45.07	13.93	Peak

High CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5315.600	86.45			86.22	0.23	Average
5315.600	98.56			98.33	0.23	Peak
5350.320	53.75	54.00	-0.25	53.53	0.22	Average
5350.320	70.87	74.00	-3.13	70.65	0.22	Peak
7080.000	54.34	68.20	-13.86	49.62	4.72	Peak
10620.000	37.39	54.00	-16.61	27.71	9.68	Average
10620.000	50.85	74.00	-23.15	41.17	9.68	Peak
15930.000	44.80	54.00	-9.20	31.05	13.75	Average
15930.000	58.81	74.00	-15.19	45.06	13.75	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5304.400	83.16			82.95	0.21	Average
5304.400	94.26			94.05	0.21	Peak
5351.280	50.48	54.00	-3.52	50.27	0.21	Average
5351.280	65.86	74.00	-8.14	65.65	0.21	Peak
7080.000	46.09	68.20	-22.11	41.37	4.72	Peak
10620.000	37.27	54.00	-16.73	27.59	9.68	Average
10620.000	50.27	74.00	-23.73	40.59	9.68	Peak
15930.000	45.21	54.00	-8.79	31.46	13.75	Average
15930.000	58.41	74.00	-15.59	44.66	13.75	Peak

Above 1G (1 GHz-40 GHz) in UNII-2c:

802.11a mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5458.740	47.21	54.00	-6.79	46.88	0.33	Average
5458.740	62.33	74.00	-11.67	62.00	0.33	Peak
5502.300	89.44			88.93	0.51	Average
5502.300	100.14			99.63	0.51	Peak
7333.300	53.69	54.00	-0.31	47.92	5.77	Average
7333.300	56.60	74.00	-17.40	50.83	5.77	Peak
11000.000	37.57	54.00	-16.43	27.54	10.03	Average
11000.000	50.08	74.00	-23.92	40.05	10.03	Peak
16500.000	56.36	68.20	-11.84	41.61	14.75	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5459.620	47.13	54.00	-6.87	46.80	0.33	Average
5459.620	61.63	74.00	-12.37	61.30	0.33	Peak
5502.300	86.22			85.71	0.51	Average
5502.300	96.89			96.38	0.51	Peak
7333.300	47.41	54.00	-6.59	41.64	5.77	Average
7333.300	54.56	74.00	-19.44	48.79	5.77	Peak
11000.000	37.35	54.00	-16.65	27.32	10.03	Average
11000.000	50.66	74.00	-23.34	40.63	10.03	Peak
16500.000	56.50	68.20	-11.70	41.75	14.75	Peak

Middle CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5448.640	46.86	54.00	-7.14	46.58	0.28	Average
5448.640	60.79	74.00	-13.21	60.51	0.28	Peak
5581.640	91.37			90.63	0.74	Average
5581.640	101.68			100.94	0.74	Peak
5766.320	62.60	68.20	-5.60	61.30	1.30	Peak
7440.000	52.90	54.00	-1.10	46.84	6.06	Average
7440.000	56.56	74.00	-17.44	50.50	6.06	Peak
11160.000	37.77	54.00	-16.23	27.54	10.23	Average
11160.000	50.46	74.00	-23.54	40.23	10.23	Peak
16740.000	57.48	68.20	-10.72	41.94	15.54	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5412.540	46.67	54.00	-7.33	46.52	0.15	Average
5412.540	61.40	74.00	-12.60	61.25	0.15	Peak
5582.400	87.49			86.75	0.74	Average
5582.400	97.92			97.18	0.74	Peak
5752.640	62.73	68.20	-5.47	61.45	1.28	Peak
7440.000	48.77	54.00	-5.23	42.71	6.06	Average
7440.000	53.82	74.00	-20.18	47.76	6.06	Peak
11160.000	37.72	54.00	-16.28	27.49	10.23	Average
11160.000	51.60	74.00	-22.40	41.37	10.23	Peak
16740.000	57.44	68.20	-10.76	41.90	15.54	Peak

High CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5702.210	89.30			87.98	1.32	Average
5702.210	100.15			98.83	1.32	Peak
5725.090	68.14	68.20	-0.06	66.84	1.30	Peak
7600.000	49.19	54.00	-4.81	43.18	6.01	Average
7600.000	55.15	74.00	-18.85	49.14	6.01	Peak
11400.000	38.41	54.00	-15.59	27.67	10.74	Average
11400.000	50.62	74.00	-23.38	39.88	10.74	Peak
17100.000	58.66	68.20	-9.54	42.13	16.53	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5702.210	85.73			84.41	1.32	Average
5702.210	96.43			95.11	1.32	Peak
5725.530	64.70	68.20	-3.50	63.40	1.30	Peak
7600.000	45.40	54.00	-8.60	39.39	6.01	Average
7600.000	52.94	74.00	-21.06	46.93	6.01	Peak
11400.000	38.01	54.00	-15.99	27.27	10.74	Average
11400.000	51.01	74.00	-22.99	40.27	10.74	Peak
17100.000	57.85	68.20	-10.35	41.32	16.53	Peak

802.11n HT20 mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5459.070	47.46	54.00	-6.54	47.13	0.33	Average
5459.070	64.11	74.00	-9.89	63.78	0.33	Peak
5498.230	89.35			88.85	0.50	Average
5498.230	100.04			99.54	0.50	Peak
7333.300	53.68	54.00	-0.32	47.91	5.77	Average
7333.300	57.25	74.00	-16.75	51.48	5.77	Peak
11000.000	37.86	54.00	-16.14	27.83	10.03	Average
11000.000	51.00	74.00	-23.00	40.97	10.03	Peak
16500.000	56.30	68.20	-11.90	41.55	14.75	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5450.820	47.20	54.00	-6.80	46.91	0.29	Average
5450.820	62.35	74.00	-11.65	62.06	0.29	Peak
5501.420	85.89			85.38	0.51	Average
5501.420	96.60			96.09	0.51	Peak
7333.300	49.52	54.00	-4.48	43.75	5.77	Average
7333.300	53.96	74.00	-20.04	48.19	5.77	Peak
11000.000	38.05	54.00	-15.95	28.02	10.03	Average
11000.000	51.11	74.00	-22.89	41.08	10.03	Peak
16500.000	57.26	68.20	-10.94	42.51	14.75	Peak

Middle CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5453.580	46.77	54.00	-7.23	46.47	0.30	Average
5453.580	61.22	74.00	-12.78	60.92	0.30	Peak
5578.600	91.33			90.59	0.74	Average
5578.600	101.54			100.80	0.74	Peak
5754.160	62.42	68.20	-5.78	61.14	1.28	Peak
7440.000	52.91	54.00	-1.09	46.85	6.06	Average
7440.000	57.48	74.00	-16.52	51.42	6.06	Peak
11160.000	37.90	54.00	-16.10	27.67	10.23	Average
11160.000	51.20	74.00	-22.80	40.97	10.23	Peak
16740.000	58.62	68.20	-9.58	43.08	15.54	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5432.680	46.74	54.00	-7.26	46.54	0.20	Average
5432.680	60.82	74.00	-13.18	60.62	0.20	Peak
5578.220	87.56			86.82	0.74	Average
5578.220	98.37			97.63	0.74	Peak
5764.420	62.75	68.20	-5.45	61.45	1.30	Peak
7440.000	48.57	54.00	-5.43	42.51	6.06	Average
7440.000	54.86	74.00	-19.14	48.80	6.06	Peak
11160.000	38.10	54.00	-15.90	27.87	10.23	Average
11160.000	50.97	74.00	-23.03	40.74	10.23	Peak
16740.000	58.71	68.20	-9.49	43.17	15.54	Peak

High CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5701.550	88.66			87.34	1.32	Average
5701.550	99.51			98.19	1.32	Peak
5725.200	67.59	68.20	-0.61	66.29	1.30	Peak
7600.000	45.62	54.00	-8.38	39.61	6.01	Average
7600.000	51.77	74.00	-22.23	45.76	6.01	Peak
11400.000	38.41	54.00	-15.59	27.67	10.74	Average
11400.000	50.64	74.00	-23.36	39.90	10.74	Peak
17100.000	58.36	68.20	-9.84	41.83	16.53	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5701.440	85.08			83.76	1.32	Average
5701.440	96.05			94.73	1.32	Peak
5729.600	64.25	68.20	-3.95	62.96	1.29	Peak
7600.000	42.89	54.00	-11.11	36.88	6.01	Average
7600.000	49.82	74.00	-24.18	43.81	6.01	Peak
11400.000	38.09	54.00	-15.91	27.35	10.74	Average
11400.000	50.93	74.00	-23.07	40.19	10.74	Peak
17100.000	58.35	68.20	-9.85	41.82	16.53	Peak

802.11n HT40 mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5459.410	48.10	54.00	-5.90	47.77	0.33	Average
5459.410	63.34	74.00	-10.66	63.01	0.33	Peak
5504.520	82.17			81.65	0.52	Average
5504.520	93.35			92.83	0.52	Peak
7346.700	53.61	54.00	-0.39	47.80	5.81	Average
7346.700	57.39	74.00	-16.61	51.58	5.81	Peak
11020.000	37.66	54.00	-16.34	27.53	10.13	Average
11020.000	51.04	74.00	-22.96	40.91	10.13	Peak
16522.000	56.40	68.20	-11.80	41.59	14.81	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5459.540	47.73	54.00	-6.27	47.40	0.33	Average
5459.540	61.93	74.00	-12.07	61.60	0.33	Peak
5515.570	79.76			79.22	0.54	Average
5515.570	91.32			90.78	0.54	Peak
7346.700	49.19	54.00	-4.81	43.38	5.81	Average
7346.700	53.14	74.00	-20.86	47.33	5.81	Peak
11020.000	37.41	54.00	-16.59	27.28	10.13	Average
11020.000	50.61	74.00	-23.39	40.48	10.13	Peak
16530.000	55.84	68.20	-12.36	41.01	14.83	Peak

Middle CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5450.920	47.06	54.00	-6.94	46.77	0.29	Average
5450.920	61.30	74.00	-12.70	61.01	0.29	Peak
5555.800	83.64			82.98	0.66	Average
5555.800	95.39			94.73	0.66	Peak
5768.220	63.28	68.20	-4.92	61.97	1.31	Peak
7400.000	53.47	54.00	-0.53	47.50	5.97	Average
7400.000	56.34	74.00	-17.66	50.37	5.97	Peak
11100.000	37.02	54.00	-16.98	26.65	10.37	Average
11100.000	51.23	74.00	-22.77	40.86	10.37	Peak
16639.000	57.70	68.20	-10.50	42.72	14.98	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5434.960	46.92	54.00	-7.08	46.71	0.21	Average
5434.960	61.03	74.00	-12.97	60.82	0.21	Peak
5554.660	80.79			80.13	0.66	Average
5554.660	91.51			90.85	0.66	Peak
5765.560	62.89	68.20	-5.31	61.58	1.31	Peak
7400.000	48.39	54.00	-5.61	42.42	5.97	Average
7400.000	51.91	74.00	-22.09	45.94	5.97	Peak
11100.000	37.58	54.00	-16.42	27.21	10.37	Average
11100.000	51.14	74.00	-22.86	40.77	10.37	Peak
16650.000	56.92	68.20	-11.28	41.91	15.01	Peak

High CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5653.150	86.12			85.07	1.05	Average
5653.150	97.42			96.37	1.05	Peak
5726.800	64.52	68.20	-3.68	63.23	1.29	Peak
7560.000	51.81	54.00	-2.19	45.72	6.09	Average
7560.000	55.76	74.00	-18.24	49.67	6.09	Peak
11340.000	38.28	54.00	-15.72	27.82	10.46	Average
11340.000	51.74	74.00	-22.26	41.28	10.46	Peak
17010.000	57.82	68.20	-10.38	42.24	15.58	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5675.650	81.94			80.75	1.19	Average
5675.650	93.09			91.90	1.19	Peak
5735.500	63.57	68.20	-4.63	62.28	1.29	Peak
7560.000	47.32	54.00	-6.68	41.23	6.09	Average
7560.000	51.98	74.00	-22.02	45.89	6.09	Peak
11340.000	38.41	54.00	-15.59	27.95	10.46	Average
11340.000	51.18	74.00	-22.82	40.72	10.46	Peak
17010.000	57.91	68.20	-10.29	42.33	15.58	Peak

Above 1G (1 GHz-40 GHz) in UNII-3:

802.11a mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5620.440	62.09	68.20	-6.11	61.24	0.85	Peak
5671.920	62.11	84.46	-22.35	60.94	1.17	Peak
5719.080	70.97	110.54	-39.57	69.67	1.30	Peak
5747.160	101.97			100.69	1.28	Peak
5855.160	63.86	110.76	-46.90	61.98	1.88	Peak
5905.920	64.70	82.28	-17.58	62.25	2.45	Peak
5953.800	64.22	68.20	-3.98	61.77	2.45	Peak
7660.000	49.18	54.00	-4.82	43.16	6.02	Average
7660.000	54.79	74.00	-19.21	48.77	6.02	Peak
11490.000	37.99	54.00	-16.01	27.29	10.70	Average
11490.000	51.10	74.00	-22.90	40.40	10.70	Peak
17235.000	58.10	68.20	-10.10	41.13	16.97	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5642.040	61.58	68.20	-6.62	60.61	0.97	Peak
5680.560	62.78	90.85	-28.07	61.55	1.23	Peak
5719.080	68.52	110.54	-42.02	67.22	1.30	Peak
5747.520	99.37			98.09	1.28	Peak
5868.480	64.08	107.02	-42.94	62.04	2.04	Peak
5891.520	64.23	92.94	-28.71	61.91	2.32	Peak
5944.080	64.11	68.20	-4.09	61.65	2.46	Peak
7660.000	45.36	54.00	-8.64	39.34	6.02	Average
7660.000	52.15	74.00	-21.85	46.13	6.02	Peak
11490.000	38.16	54.00	-15.84	27.46	10.70	Average
11490.000	51.22	74.00	-22.78	40.52	10.70	Peak
17235.000	58.50	68.20	-9.70	41.53	16.97	Peak

Middle CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5640.600	61.59	68.20	-6.61	60.63	0.96	Peak
5697.480	62.57	103.34	-40.77	61.25	1.32	Peak
5706.480	62.39	107.02	-44.63	61.07	1.32	Peak
5787.840	101.44			100.11	1.33	Peak
5855.880	64.46	110.55	-46.09	62.56	1.90	Peak
5896.560	65.58	89.21	-23.63	63.20	2.38	Peak
5926.800	65.04	68.20	-3.16	62.56	2.48	Peak
! 7713.300	49.84	54.00	-4.16	43.65	6.19	Average
! 7713.300	54.85	74.00	-19.15	48.66	6.19	Peak
!11570.000	38.10	54.00	-15.90	27.34	10.76	Average
11570.000	50.76	74.00	-23.24	40.00	10.76	Peak
!17355.000	58.83	68.20	-9.37	41.12	17.71	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5612.160	61.75	68.20	-6.45	60.94	0.81	Peak
5697.120	62.40	103.08	-40.68	61.08	1.32	Peak
5717.280	62.63	110.04	-47.41	61.32	1.31	Peak
5787.480	98.92			97.60	1.32	Peak
5865.240	64.66	107.93	-43.27	62.65	2.01	Peak
5902.320	64.20	84.94	-20.74	61.77	2.43	Peak
5937.960	64.28	68.20	-3.92	61.80	2.48	Peak
7713.300	46.26	54.00	-7.74	40.07	6.19	Average
7713.300	52.46	74.00	-21.54	46.27	6.19	Peak
11570.000	38.80	54.00	-15.20	28.04	10.76	Average
11570.000	50.86	74.00	-23.14	40.10	10.76	Peak
17355.000	59.82	68.20	-8.38	42.11	17.71	Peak

High CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5646.720	61.78	68.20	-6.42	60.78	1.00	Peak
5685.600	62.10	94.58	-32.48	60.84	1.26	Peak
5702.880	62.94	106.01	-43.07	61.62	1.32	Peak
5822.400	102.89			101.38	1.51	Peak
5855.520	72.90	110.65	-37.75	71.01	1.89	Peak
5888.280	64.87	95.34	-30.47	62.59	2.28	Peak
5962.440	65.01	68.20	-3.19	62.57	2.44	Peak
7766.700	54.34	68.20	-13.86	48.14	6.20	Peak
11650.000	38.31	54.00	-15.69	27.41	10.90	Average
11650.000	50.54	74.00	-23.46	39.64	10.90	Peak
17458.000	59.08	68.20	-9.12	41.07	18.01	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5616.480	61.76	68.20	-6.44	60.93	0.83	Peak
5683.800	62.15	93.25	-31.10	60.91	1.24	Peak
5705.400	62.02	106.71	-44.69	60.69	1.33	Peak
5827.440	98.83			97.28	1.55	Peak
5855.160	70.46	110.76	-40.30	68.58	1.88	Peak
5895.840	64.71	89.74	-25.03	62.33	2.38	Peak
5958.480	64.73	68.20	-3.47	62.28	2.45	Peak
7766.700	52.46	68.20	-15.74	46.26	6.20	Peak
11650.000	38.00	54.00	-16.00	27.10	10.90	Average
11650.000	51.09	74.00	-22.91	40.19	10.90	Peak
17458.000	58.99	68.20	-9.21	40.98	18.01	Peak

802.11n HT20 mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5644.920	61.62	68.20	-6.58	60.63	0.99	Peak
5695.320	62.27	101.75	-39.48	60.96	1.31	Peak
5719.800	71.33	110.74	-39.41	70.03	1.30	Peak
5743.200	102.50			101.22	1.28	Peak
5868.840	64.63	106.92	-42.29	62.58	2.05	Peak
5899.440	64.64	87.08	-22.44	62.22	2.42	Peak
5942.280	64.53	68.20	-3.67	62.05	2.48	Peak
7660.000	49.28	54.00	-4.72	43.26	6.02	Average
7660.000	55.29	74.00	-18.71	49.27	6.02	Peak
11490.000	37.88	54.00	-16.12	27.18	10.70	Average
11490.000	50.67	74.00	-23.33	39.97	10.70	Peak
17235.000	58.68	68.20	-9.52	41.71	16.97	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5637.000	61.32	68.20	-6.88	60.38	0.94	Peak
5669.040	61.97	82.33	-20.36	60.82	1.15	Peak
5719.800	66.82	110.74	-43.92	65.52	1.30	Peak
5748.600	98.75			97.47	1.28	Peak
5871.360	64.00	106.22	-42.22	61.92	2.08	Peak
5905.920	64.61	82.28	-17.67	62.16	2.45	Peak
5948.760	64.41	68.20	-3.79	61.96	2.45	Peak
7660.000	45.29	54.00	-8.71	39.27	6.02	Average
7660.000	52.40	74.00	-21.60	46.38	6.02	Peak
11490.000	38.04	54.00	-15.96	27.34	10.70	Average
11490.000	51.06	74.00	-22.94	40.36	10.70	Peak
17235.000	58.03	68.20	-10.17	41.06	16.97	Peak

Middle CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5639.880	61.39	68.20	-6.81	60.44	0.95	Peak
5686.320	61.62	95.11	-33.49	60.36	1.26	Peak
5717.280	62.07	110.04	-47.97	60.76	1.31	Peak
5788.560	102.24			100.91	1.33	Peak
5868.480	63.48	107.02	-43.54	61.44	2.04	Peak
5914.920	64.73	75.63	-10.90	62.27	2.46	Peak
5926.080	64.83	68.20	-3.37	62.35	2.48	Peak
7713.300	49.77	54.00	-4.23	43.58	6.19	Average
7713.300	54.95	74.00	-19.05	48.76	6.19	Peak
11570.000	38.01	54.00	-15.99	27.25	10.76	Average
11570.000	51.29	74.00	-22.71	40.53	10.76	Peak
17355.000	59.88	68.20	-8.32	42.17	17.71	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5642.760	61.52	68.20	-6.68	60.54	0.98	Peak
5693.520	62.56	100.42	-37.86	61.27	1.29	Peak
5713.320	62.97	108.93	-45.96	61.66	1.31	Peak
5782.800	98.73			97.40	1.33	Peak
5867.400	63.97	107.33	-43.36	61.94	2.03	Peak
5906.640	64.75	81.75	-17.00	62.31	2.44	Peak
5931.480	64.17	68.20	-4.03	61.68	2.49	Peak
7713.300	45.69	54.00	-8.31	39.50	6.19	Average
7713.300	53.73	74.00	-20.27	47.54	6.19	Peak
11570.000	38.23	54.00	-15.77	27.47	10.76	Average
11570.000	51.42	74.00	-22.58	40.66	10.76	Peak
17355.000	59.10	68.20	-9.10	41.39	17.71	Peak

High CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5633.400	61.33	68.20	-6.87	60.42	0.91	Peak
5686.680	62.03	95.38	-33.35	60.77	1.26	Peak
5716.560	61.96	109.84	-47.88	60.65	1.31	Peak
5823.480	102.64			101.13	1.51	Peak
5855.880	71.60	110.55	-38.95	69.70	1.90	Peak
5902.320	64.80	84.94	-20.14	62.37	2.43	Peak
5939.400	64.06	68.20	-4.14	61.59	2.47	Peak
7766.700	54.77	68.20	-13.43	48.57	6.20	Peak
11650.000	37.92	54.00	-16.08	27.02	10.90	Average
11650.000	51.21	74.00	-22.79	40.31	10.90	Peak
17475.000	59.10	68.20	-9.10	41.04	18.06	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5632.680	61.71	68.20	-6.49	60.80	0.91	Peak
5691.360	62.46	98.83	-36.37	61.17	1.29	Peak
5709.720	62.48	107.92	-45.44	61.16	1.32	Peak
5828.160	98.96			97.41	1.55	Peak
5858.040	67.07	109.95	-42.88	65.15	1.92	Peak
5898.360	64.70	87.87	-23.17	62.30	2.40	Peak
5939.400	64.78	68.20	-3.42	62.31	2.47	Peak
7766.700	53.06	68.20	-15.14	46.86	6.20	Peak
11650.000	37.70	54.00	-16.30	26.80	10.90	Average
11650.000	51.70	74.00	-22.30	40.80	10.90	Peak
17475.000	58.57	68.20	-9.63	40.51	18.06	Peak

802.11n HT40 mode:

Low CH

Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5637.720	61.54	68.20	-6.66	60.60	0.94	Peak
5689.200	62.40	97.24	-34.84	61.13	1.27	Peak
5718.720	71.95	110.44	-38.49	70.64	1.31	Peak
5760.480	97.82			96.52	1.30	Peak
5870.280	63.83	106.52	-42.69	61.76	2.07	Peak
5884.680	65.22	98.01	-32.79	62.98	2.24	Peak
5933.280	64.71	68.20	-3.49	62.22	2.49	Peak
7673.300	52.61	54.00	-1.39	46.52	6.09	Average
7673.300	55.67	74.00	-18.33	49.58	6.09	Peak
11510.000	38.40	54.00	-15.60	27.67	10.73	Average
11510.000	50.80	74.00	-23.20	40.07	10.73	Peak
17265.000	59.04	68.20	-9.16	41.95	17.09	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5635.920	61.47	68.20	-6.73	60.54	0.93	Peak
5663.640	62.26	78.33	-16.07	61.15	1.11	Peak
5719.440	68.49	110.64	-42.15	67.19	1.30	Peak
5764.080	94.06			92.77	1.29	Peak
5860.560	63.67	109.24	-45.57	61.71	1.96	Peak
5914.560	64.41	75.90	-11.49	61.96	2.45	Peak
5943.360	64.62	68.20	-3.58	62.15	2.47	Peak
7673.300	48.95	54.00	-5.05	42.86	6.09	Average
7673.300	53.55	74.00	-20.45	47.46	6.09	Peak
11510.000	38.35	54.00	-15.65	27.62	10.73	Average
11510.000	51.00	74.00	-23.00	40.27	10.73	Peak
17265.000	58.53	68.20	-9.67	41.44	17.09	Peak

High CH

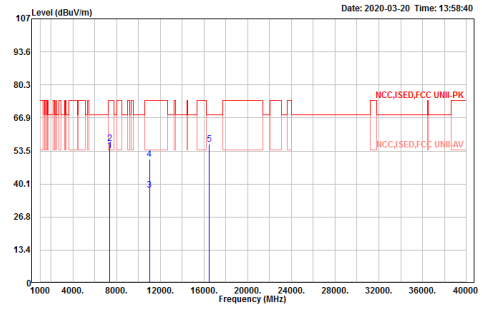
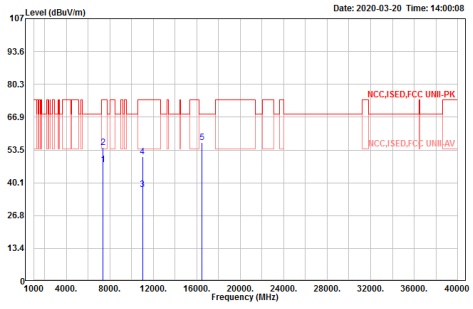
Horizontal

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5644.200	61.68	68.20	-6.52	60.70	0.98	Peak
5696.040	62.27	102.28	-40.01	60.96	1.31	Peak
5702.880	62.40	106.01	-43.61	61.08	1.32	Peak
5798.640	98.32			97.01	1.31	Peak
5856.960	64.07	110.25	-46.18	62.17	1.90	Peak
5922.840	64.05	69.79	-5.74	61.57	2.48	Peak
5944.080	64.92	68.20	-3.28	62.46	2.46	Peak
7726.700	52.08	54.00	-1.92	45.86	6.22	Average
7726.700	55.95	74.00	-18.05	49.73	6.22	Peak
11590.000	38.31	54.00	-15.69	27.54	10.77	Average
11590.000	51.77	74.00	-22.23	41.00	10.77	Peak
17385.000	58.77	68.20	-9.43	40.98	17.79	Peak

Vertical

Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5613.240	61.50	68.20	-6.70	60.68	0.82	Peak
5687.760	61.71	96.17	-34.46	60.44	1.27	Peak
5718.360	62.44	110.34	-47.90	61.13	1.31	Peak
5801.520	94.11			92.78	1.33	Peak
5875.680	64.17	104.69	-40.52	62.04	2.13	Peak
5920.680	64.52	71.38	-6.86	62.05	2.47	Peak
5948.400	63.90	68.20	-4.30	61.44	2.46	Peak
7726.700	47.73	54.00	-6.27	41.51	6.22	Average
7726.700	52.98	74.00	-21.02	46.76	6.22	Peak
11590.000	38.46	54.00	-15.54	27.69	10.77	Average
11590.000	50.77	74.00	-23.23	40.00	10.77	Peak
17385.000	58.97	68.20	-9.23	41.18	17.79	Peak

Above 1G (1 GHz-40 GHz): test the worst mode: UNII-2c IEEE 802.11a Low CH

Horizontal	Vertical
	

	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		
1	! 7333.300	53.69	54.00	-0.31	47.92	5.77	Average	horizontal
2	! 7333.300	56.60	74.00	-17.40	50.83	5.77	Peak	horizontal
3	!11000.000	37.57	54.00	-16.43	27.54	10.03	Average	horizontal
4	11000.000	50.08	74.00	-23.92	40.05	10.03	Peak	horizontal
5	!16500.000	56.36	68.20	-11.84	41.61	14.75	Peak	horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		
1	! 7333.300	47.41	54.00	-6.59	41.64	5.77	Average	vertical
2	! 7333.300	54.56	74.00	-19.44	48.79	5.77	Peak	vertical
3	!11000.000	37.35	54.00	-16.65	27.32	10.03	Average	vertical
4	11000.000	50.66	74.00	-23.34	40.63	10.03	Peak	vertical
5	!16500.000	56.50	68.20	-11.70	41.75	14.75	Peak	vertical

Level = Read Level + Factor

Over Limit = Level – Limit

Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain

Spurious emissions more than 20 dB below the limit were not reported

9 FCC §15.407(a)(e), RSS-Gen Sec 6.7, RSS-247 Sec 6.2 – Emission Bandwidth and Occupied Bandwidth

9.1 Applicable Standard

According to FCC §15.407(a),

The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

As per FCC §15.407(e): for equipment operating in the band 5725 – 5850 MHz, the minimum 6 dB bandwidth of U-NII devices shall be 500 kHz.

There is no requirement in RSS-247 for the value of bandwidth. However, the 99% bandwidth is used to calculate the power limits given in RSS-247 section 6.2.1.1. Power measurements are made using the 99% Bandwidth as the integration bandwidth.

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or 1.76 + 10 log10B, dBm, whichever is less stringent. Devices shall implement transmitter power control (TPC) in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

For other devices, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log10B, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.

According to RSS-Gen §6.7,

The occupied bandwidth or the “99% emission bandwidth” is defined as the frequency range between two points, one above and the other below the carrier frequency, within which 99% of the total transmitted power of the fundamental transmitted emission is contained. The occupied bandwidth shall be reported for all equipment in addition to the specified bandwidth required in the applicable RSSs.

In some cases, the “x dB bandwidth” is required, which is defined as the frequency range between two points, one at the lowest frequency below and one at the highest frequency above the carrier frequency, at which the maximum power level of the transmitted emission is attenuated x dB below the maximum in-band power level of the modulated signal, where the two points are on the outskirts of the in-band emission.

The following conditions shall be observed for measuring the occupied bandwidth and x dB bandwidth:

- The transmitter shall be operated at its maximum carrier power measured under normal test conditions.
- The span of the spectrum analyzer shall be set large enough to capture all products of the modulation process, including the emission skirts, around the carrier frequency, but small enough to avoid having other emissions (e.g. on adjacent channels) within the span.
- The detector of the spectrum analyzer shall be set to “Sample”. However, a peak, or peak hold, may be used in place of the sampling detector since this usually produces a wider bandwidth than the actual bandwidth (worst-case measurement). Use of a peak hold (or “Max Hold”) may be necessary to determine the occupied / x dB bandwidth if the device is not transmitting continuously.
- The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the actual occupied / x dB bandwidth and the video bandwidth (VBW) shall not be smaller than three times the RBW value. Video averaging is not permitted.

Note: It may be necessary to repeat the measurement a few times until the RBW and VBW are in compliance with the above requirement.

For the 99% emission bandwidth, the trace data points are recovered and directly summed in linear power level 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, and that frequency recorded. The process is repeated for the highest frequency data points (starting at the highest frequency, at the right side of the span, and going down in frequency). This frequency is then recorded. The difference between the two recorded frequencies is the occupied bandwidth (or the 99% emission bandwidth).

9.2 Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01,

Emission Bandwidth (EBW)

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%;

99% Emission Bandwidth

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).

9.3 Test Equipment List and Details

Description	Manufacture	Model	Serial No.	Cal. Date.	Cal. Due.
Conducted Room					
Signal Analyzer 40GHZ	Rohde & Schwarz	FSV40-N	102248	2019/09/11	2020/09/10
RF Cable	MTJ	MT40S	MT40S-001	Each Use	/

***Statement of Traceability:** The testing equipment's listed above have finished the calibration by Electronics Testing Center, Taiwan (ETC) or other laboratories which were accredited by TAF or equivalent organizations. The calibration result could be traceable to the International System of Units (SI).*

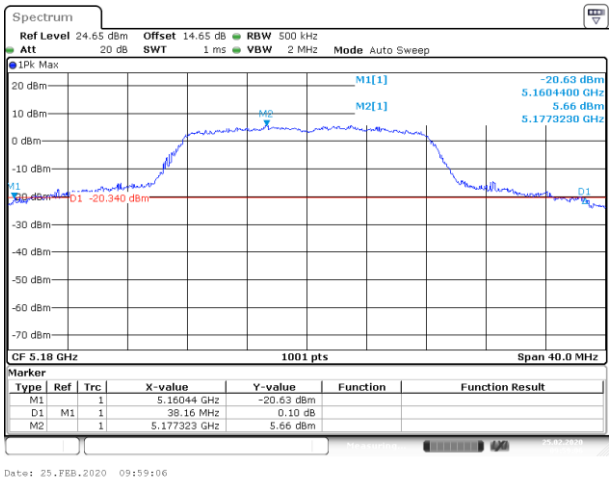
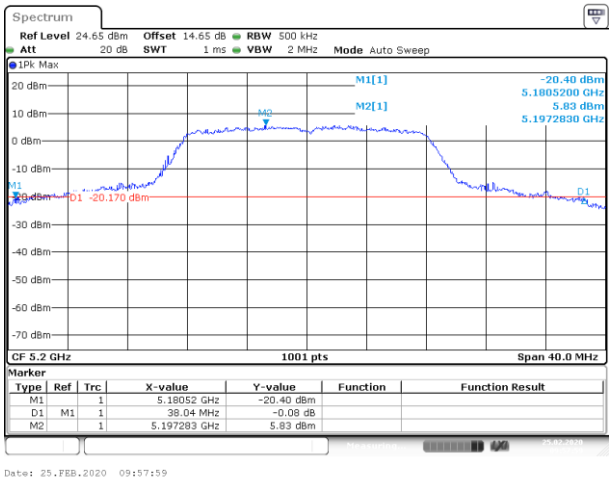
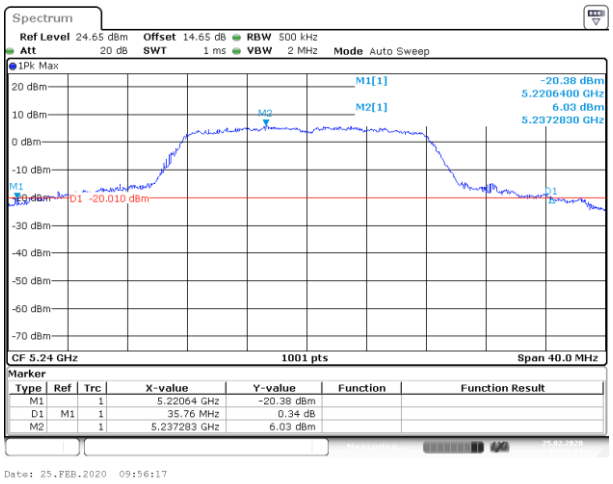
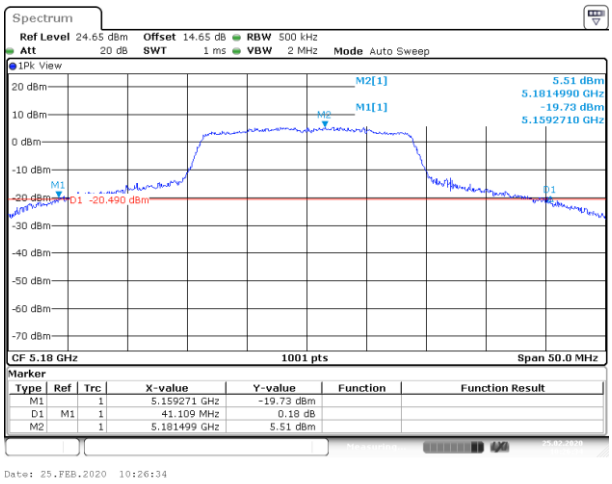
9.4 Test Data and Test Plot

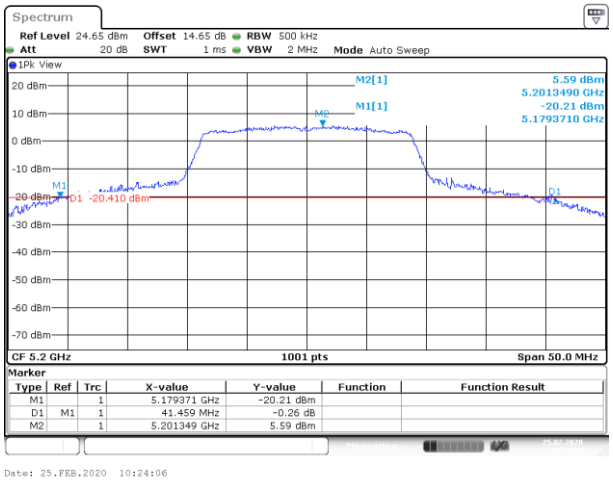
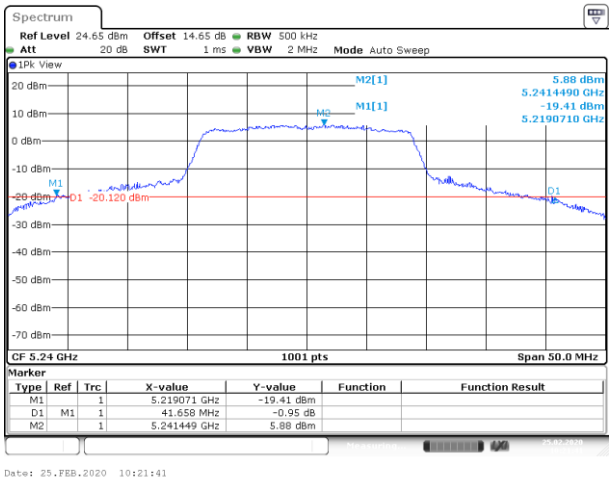
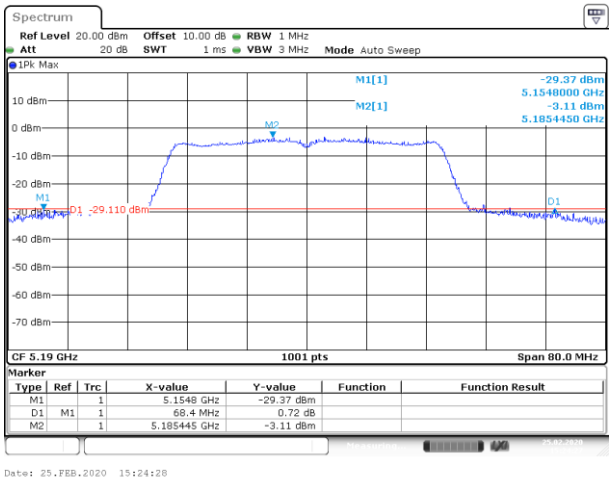
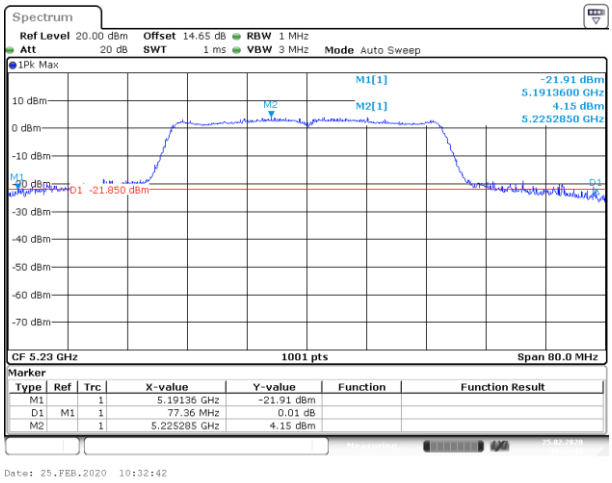
Band	Configuration	Channel	Frequency (MHz)	99% OBW (MHz)	26 dB BW (MHz)	Result
UNII-1	IEEE 802.11a	36	5180	17.50	38.16	Compliance
		40	5200	17.42	38.04	Compliance
		48	5240	17.54	35.76	Compliance
	IEEE 802.11n HT20	36	5180	18.46	41.11	Compliance
		40	5200	18.50	41.46	Compliance
		48	5240	18.30	41.66	Compliance
	IEEE 802.11n HT40	38	5190	37.00	68.40	Compliance
		46	5230	37.16	77.36	Compliance
UNII-2a	IEEE 802.11a	52	5260	17.34	34.80	Compliance
		60	5300	17.06	34.48	Compliance
		64	5320	17.26	33.48	Compliance
	IEEE 802.11n HT20	52	5260	18.38	41.11	Compliance
		60	5300	18.14	39.01	Compliance
		64	5320	18.10	36.26	Compliance
	IEEE 802.11n HT40	54	5270	37.16	70.96	Compliance
		62	5310	37.00	64.72	Compliance
UNII-2c	IEEE 802.11a	100	5500	18.90	39.40	Compliance
		116	5580	19.86	42.01	Compliance
		140	5700	17.26	34.92	Compliance
	IEEE 802.11n HT20	100	5500	20.18	43.66	Compliance
		116	5580	21.10	44.81	Compliance
		140	5700	18.06	34.32	Compliance
	IEEE 802.11n HT40	102	5510	37.64	78.52	Compliance
		110	5550	37.56	83.12	Compliance
		134	5670	37.72	85.91	Compliance

Band	Configuration	Channel	Frequency (MHz)	99% OBW (MHz)	6 dB BW (MHz)	Limit (kHz)
UNII-3	IEEE 802.11a	149	5745	21.58	16.32	> 500
		157	5785	21.54	16.32	
		165	5825	21.30	16.32	
	IEEE 802.11n HT20	149	5745	22.62	17.16	
		157	5785	23.14	17.32	
		165	5825	23.58	17.32	
	IEEE 802.11n HT40	151	5755	37.24	35.44	
		159	5795	37.48	34.80	

6 dB and 26 dB Bandwidth

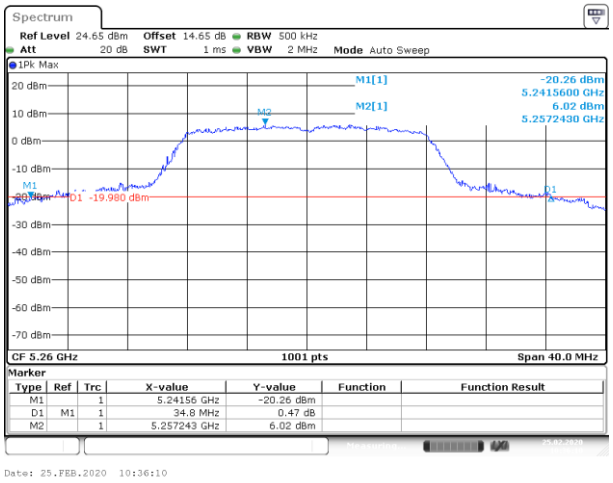
For UNII-1

802.11a mode Low CH	802.11a mode Middle CH
	
802.11a mode High CH	**802.11n HT20 mode Low CH**
	

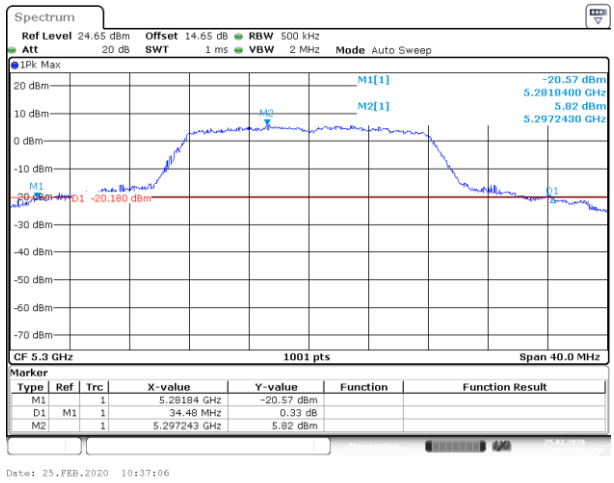
802.11n HT20 mode Middle CH	802.11n HT20 mode High CH
	
802.11n HT40 mode Low CH	802.11n HT40 mode High CH
	

For UNII-2a

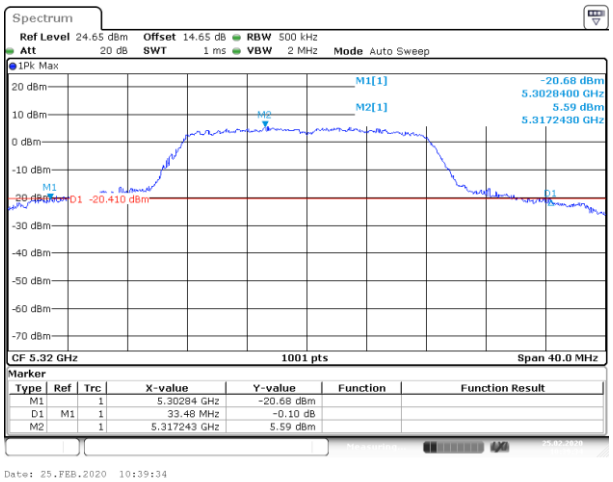
802.11a mode Low CH



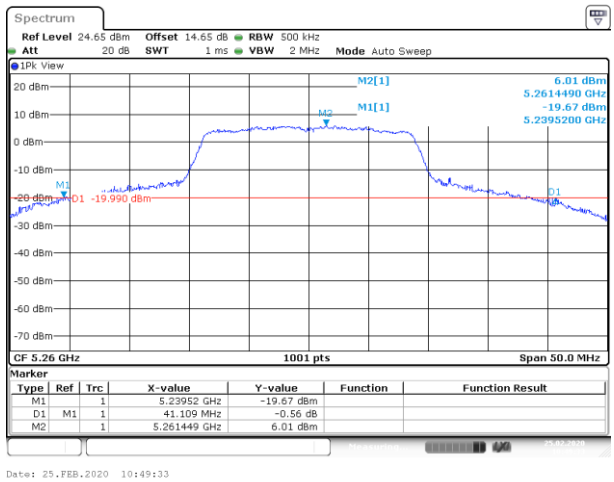
802.11a mode Middle CH

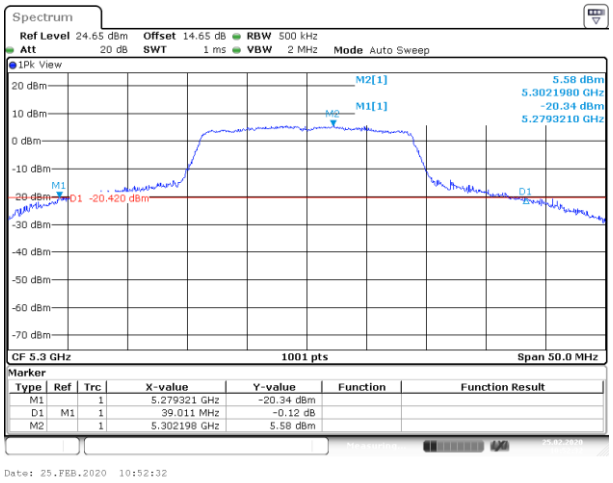
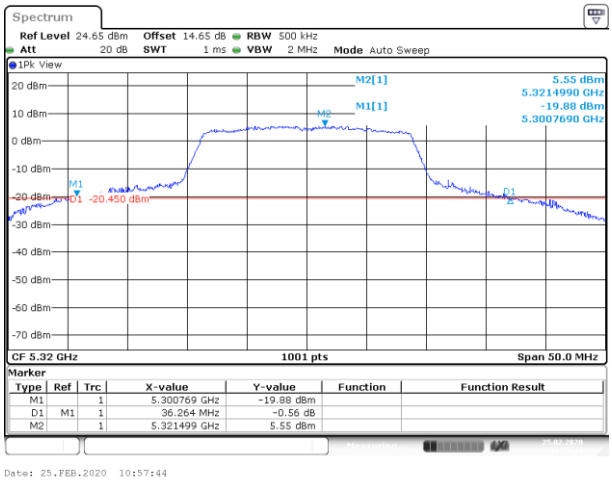
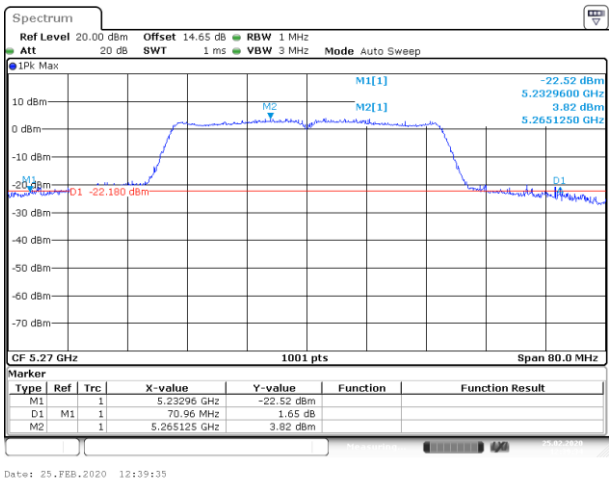
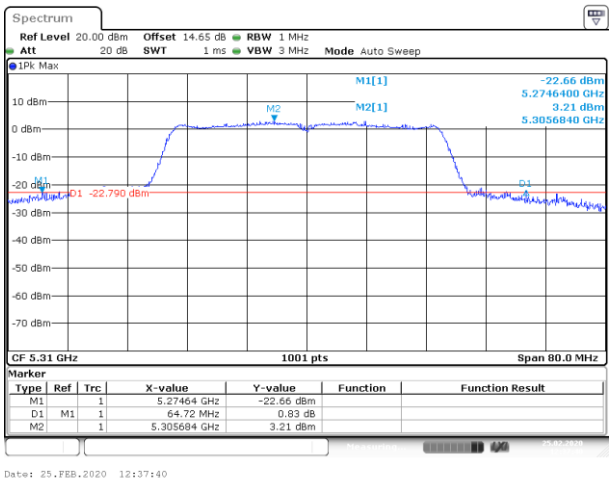


802.11a mode High CH



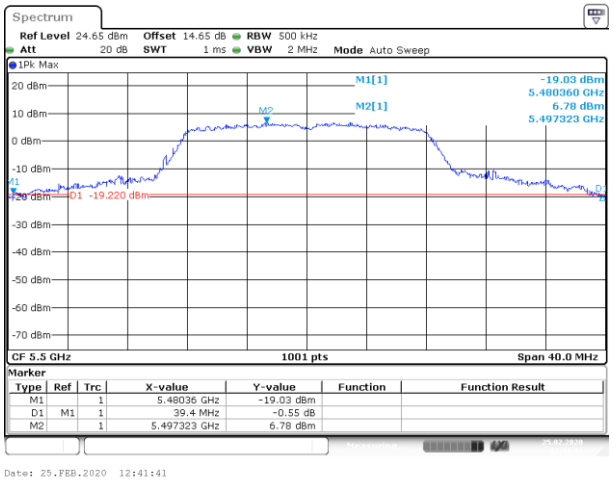
802.11n HT20 mode Low CH



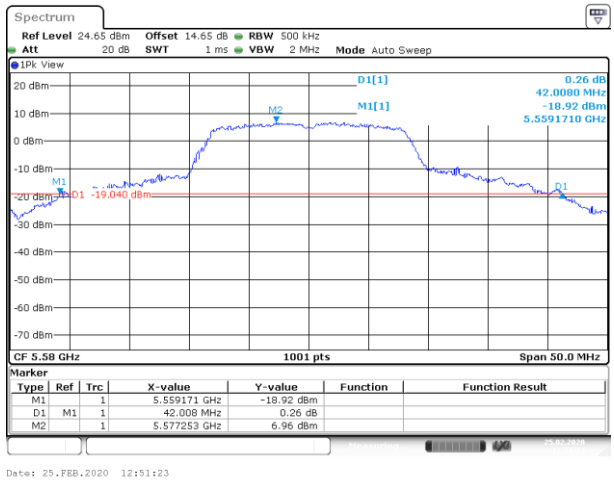
802.11n HT20 mode Middle CH	802.11n HT20 mode High CH
	
802.11n HT40 mode Low CH	**802.11n HT40 mode High CH**
	

For UNII-2c

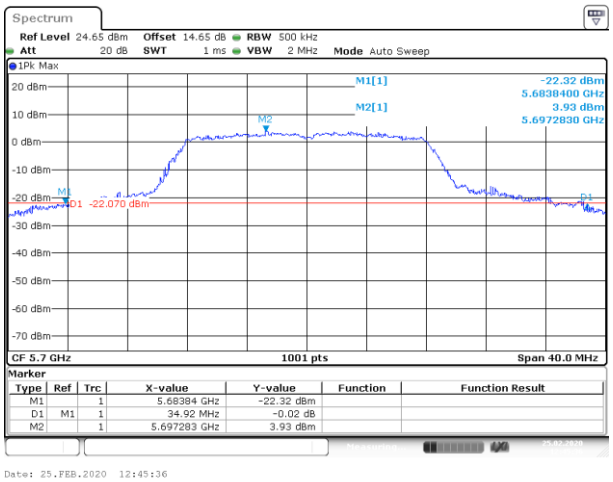
802.11a mode Low CH



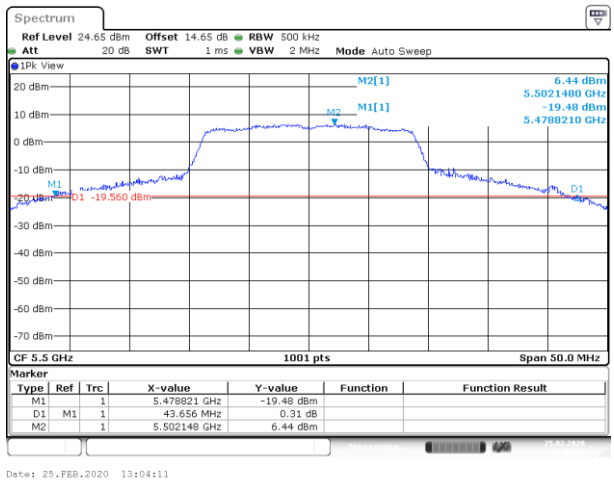
802.11a mode Middle CH

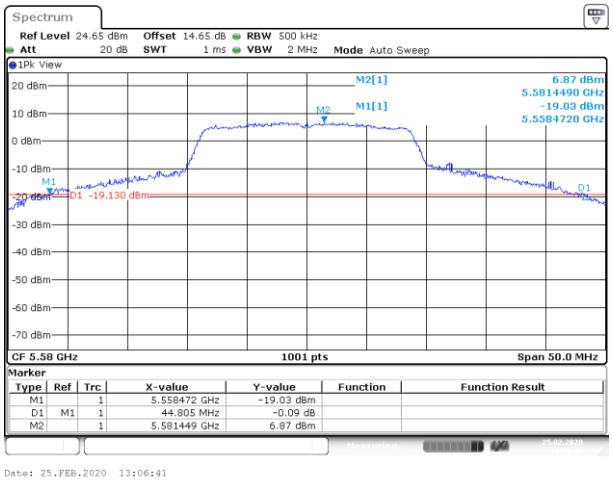
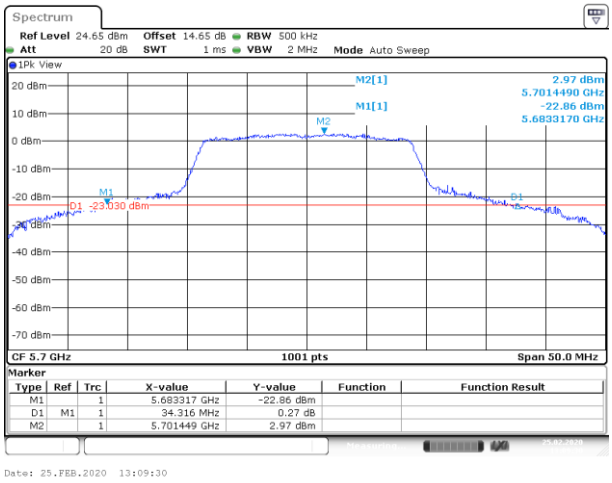
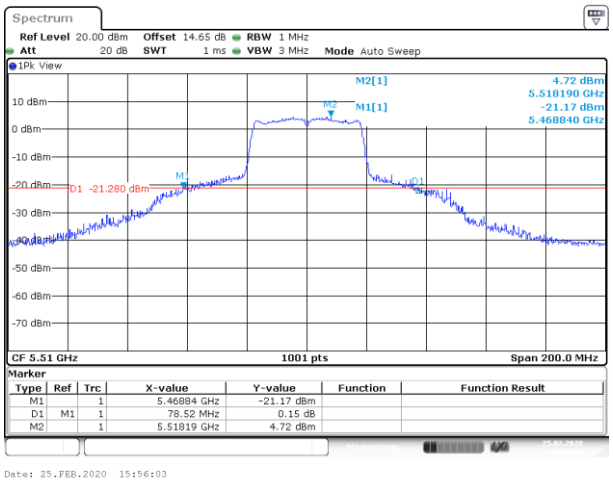
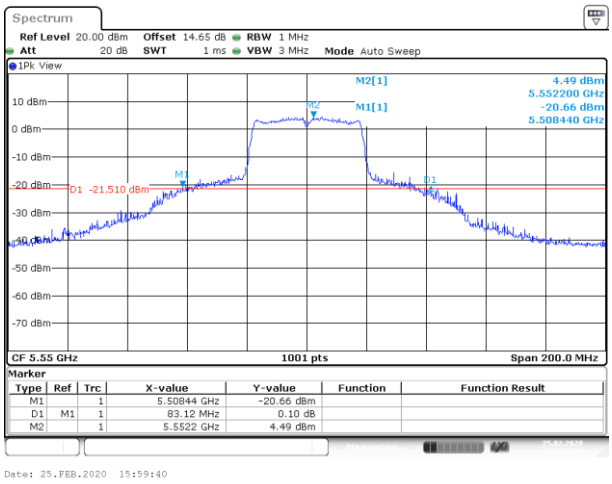
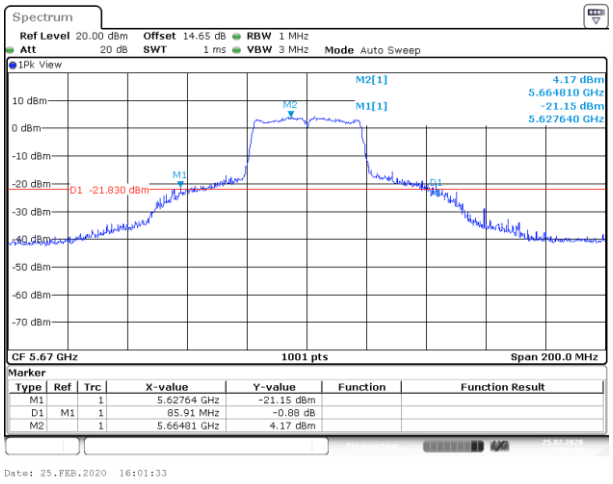


802.11a mode High CH

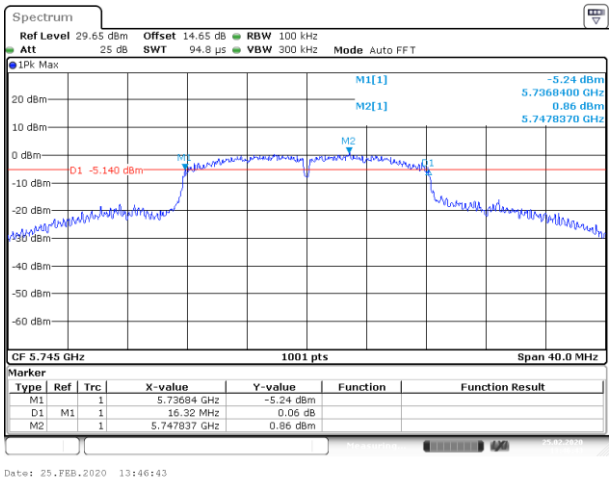
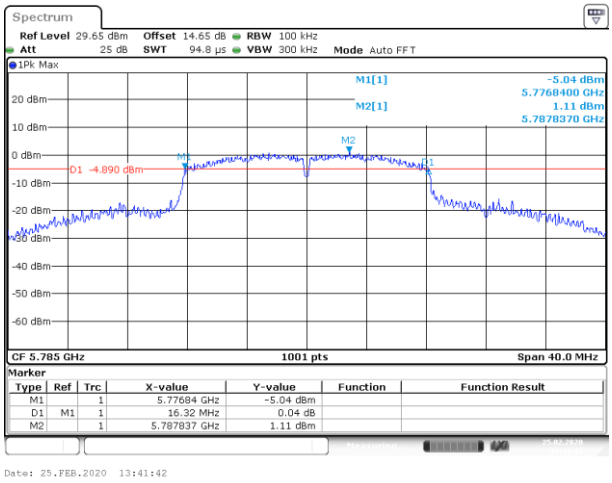
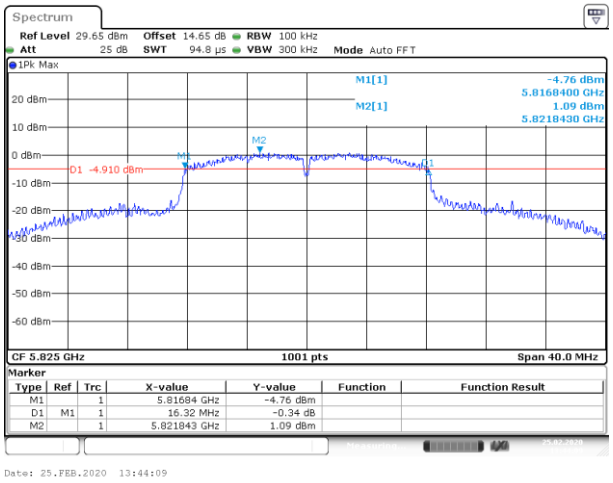
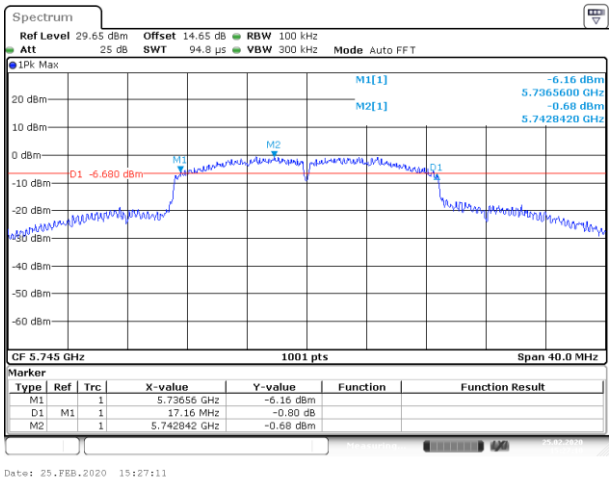


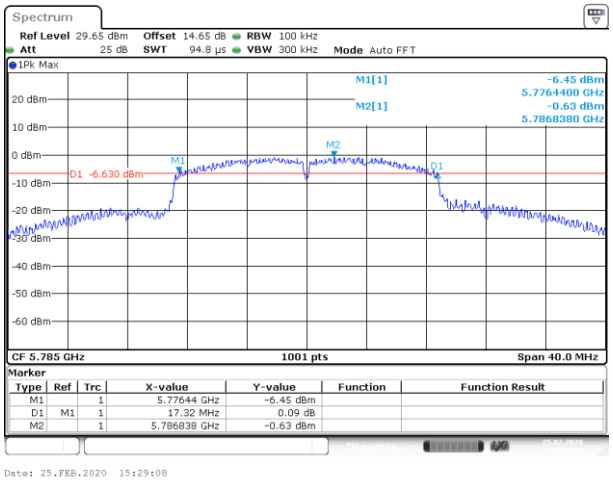
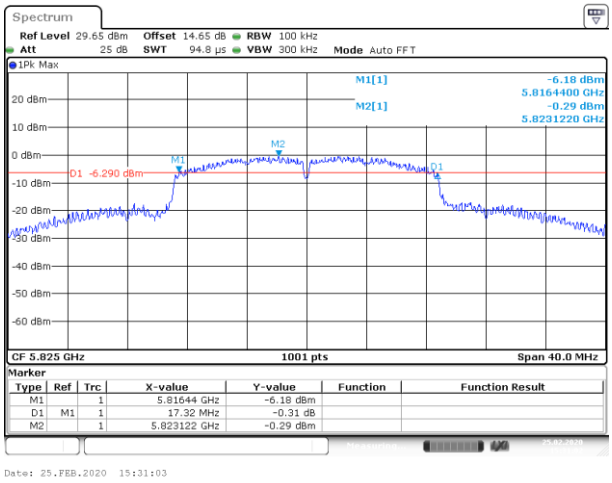
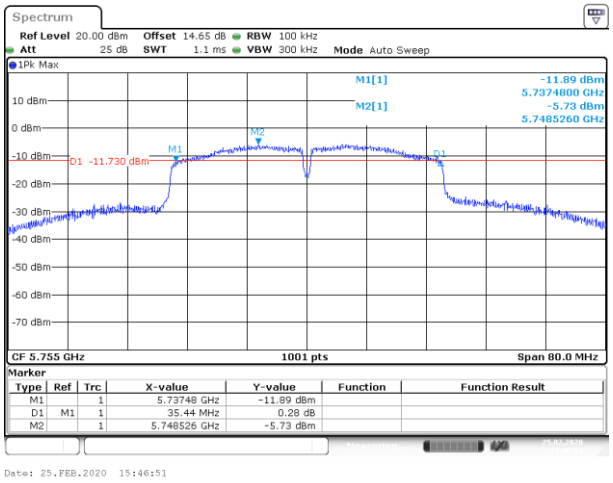
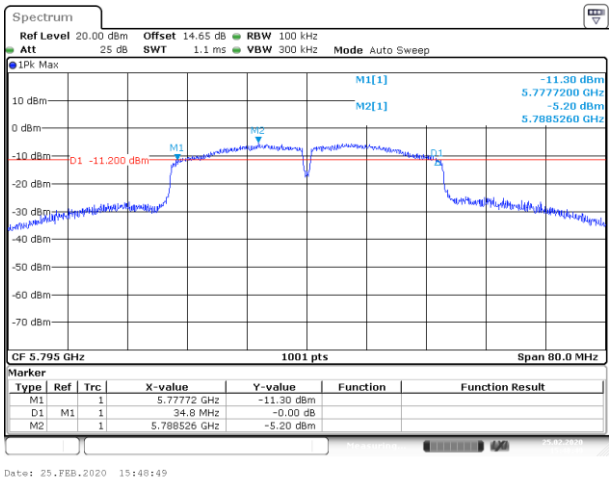
802.11n HT20 mode Low CH



802.11n HT20 mode Middle CH	802.11n HT20 mode High CH
	
802.11n HT40 mode Low CH	802.11n HT40 mode Middle CH
	
802.11n HT40 mode High CH	
	

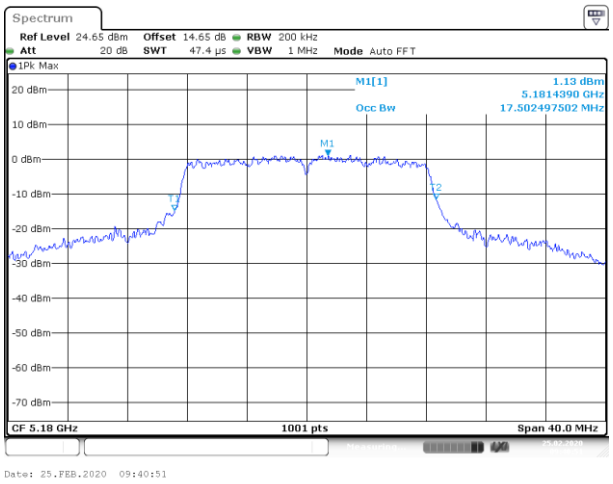
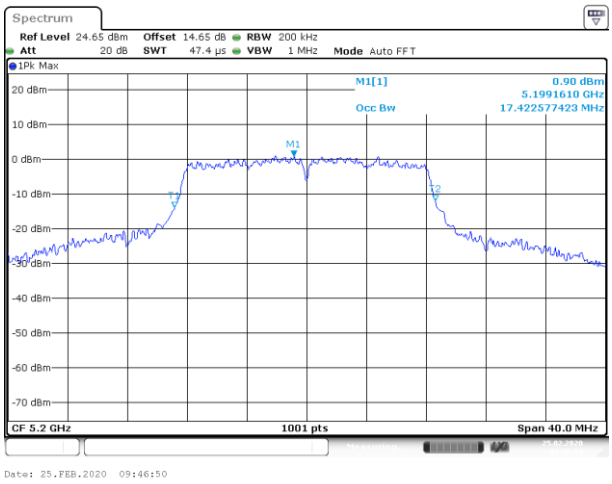
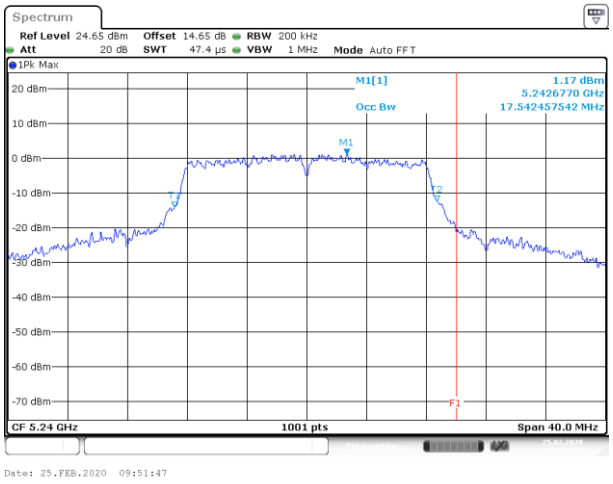
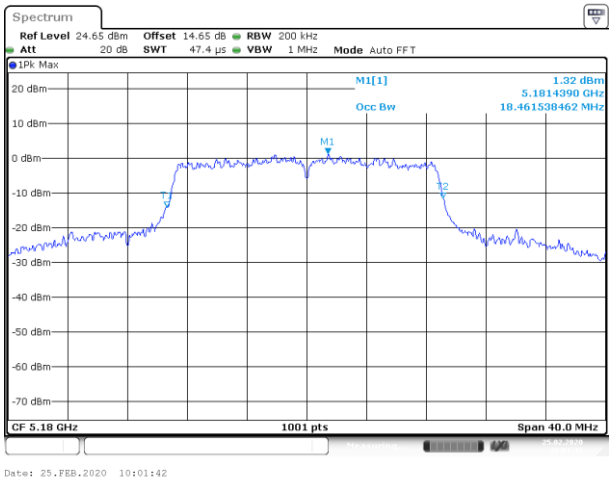
For UNII-3

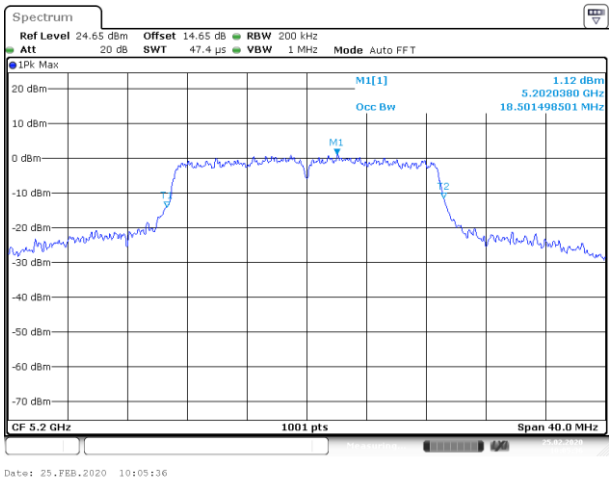
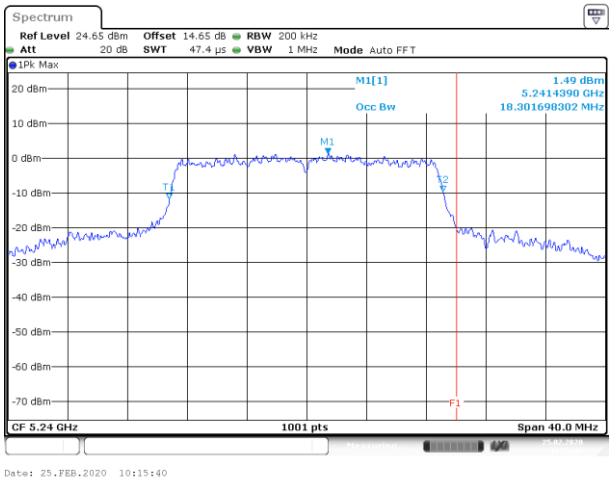
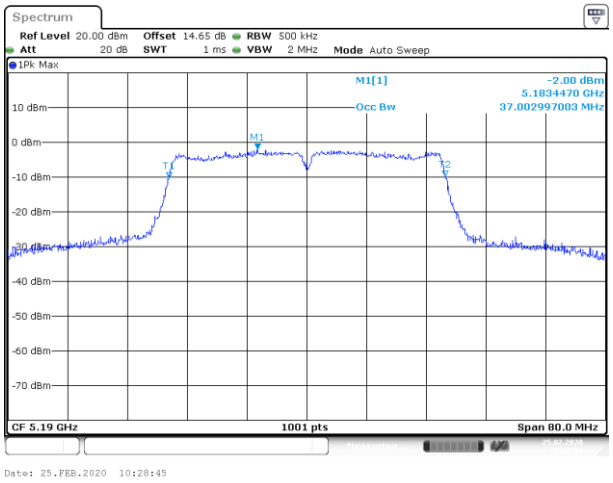
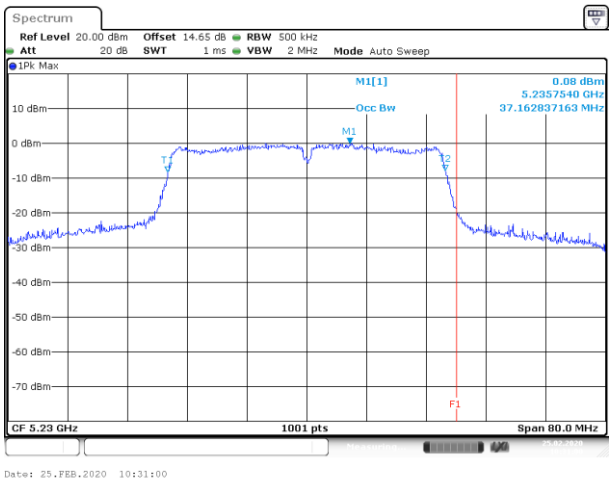
802.11a mode Low CH	802.11a mode Middle CH
	
802.11a mode High CH	**802.11n HT20 mode Low CH**
	

802.11n HT20 mode Middle CH	802.11n HT20 mode High CH
	
802.11n HT40 mode Low CH	802.11n HT40 mode High CH
	

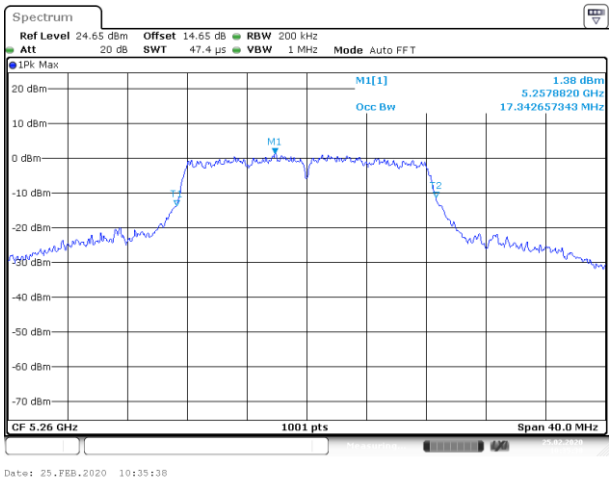
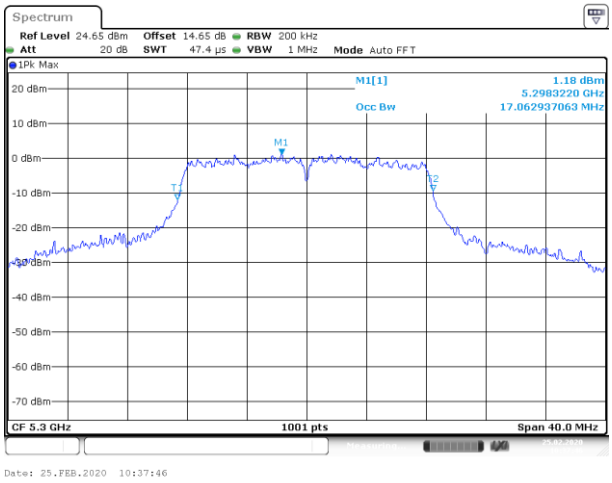
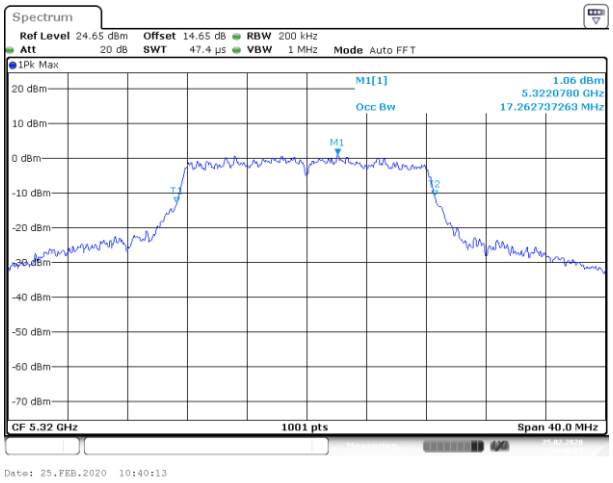
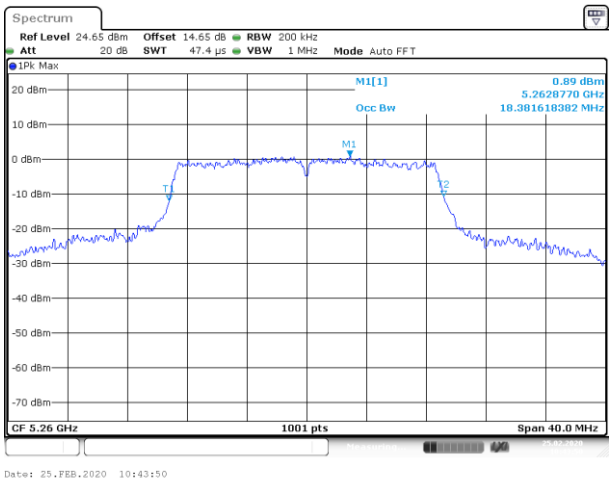
Occupied Bandwidth

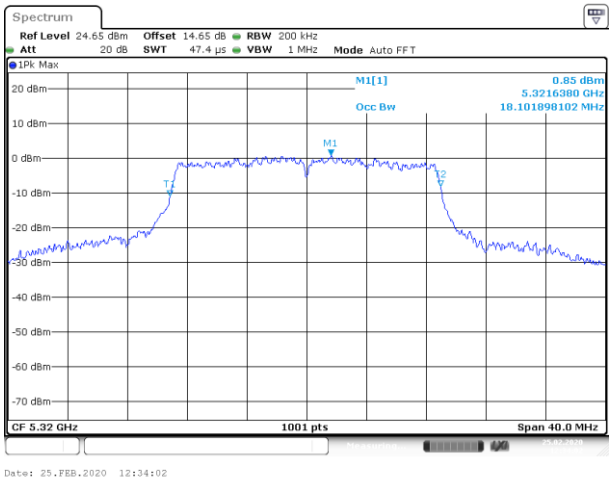
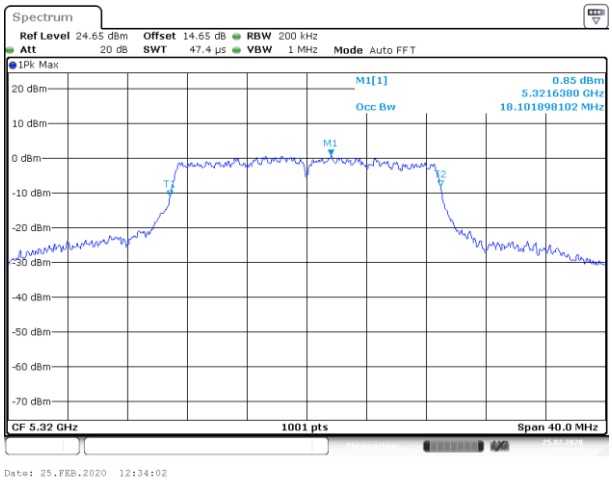
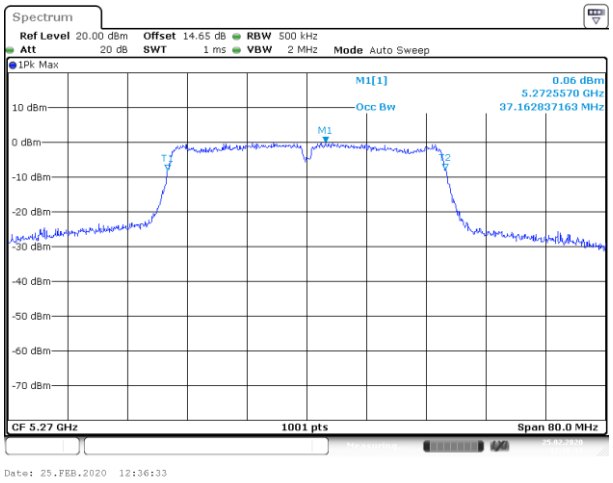
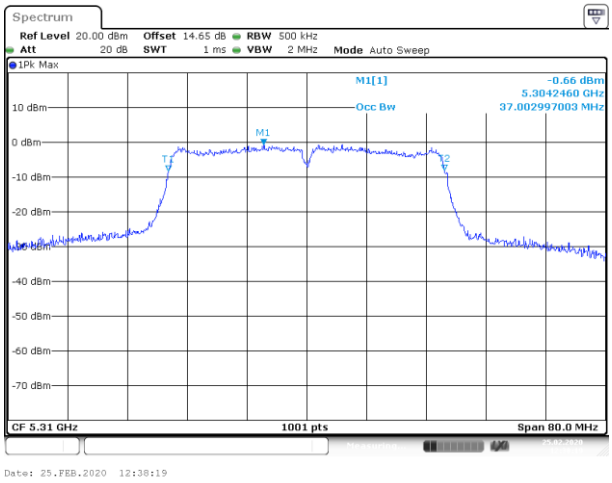
For UNII-1

802.11a mode Low CH	802.11a mode Middle CH
	
802.11a mode High CH	**802.11n HT20 mode Low CH**
	

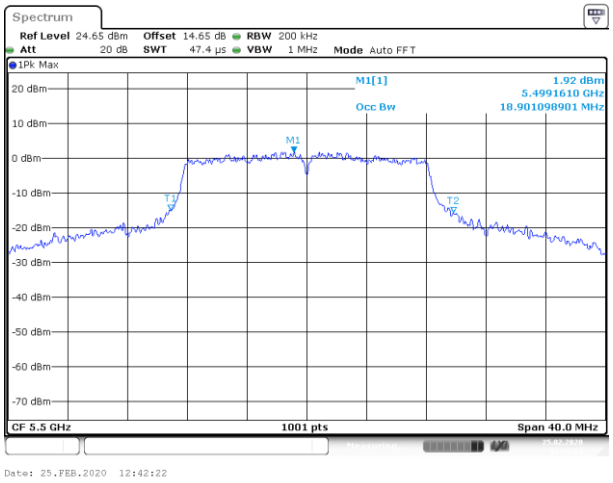
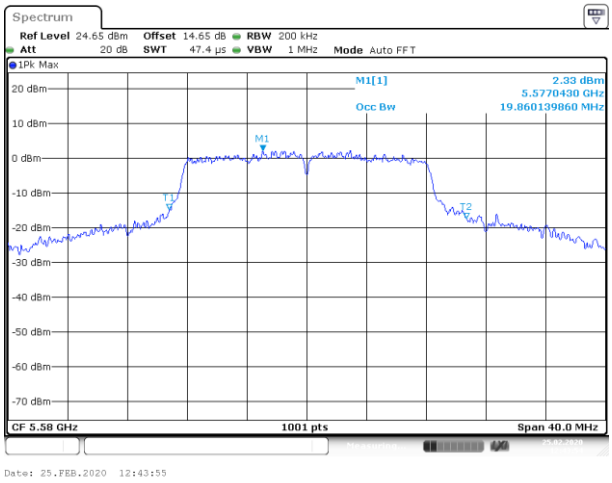
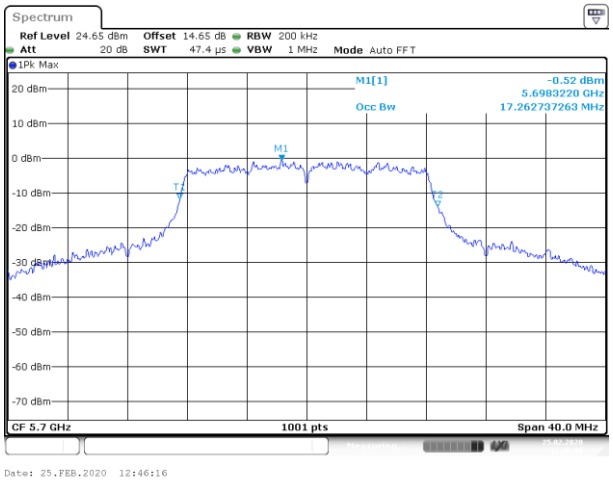
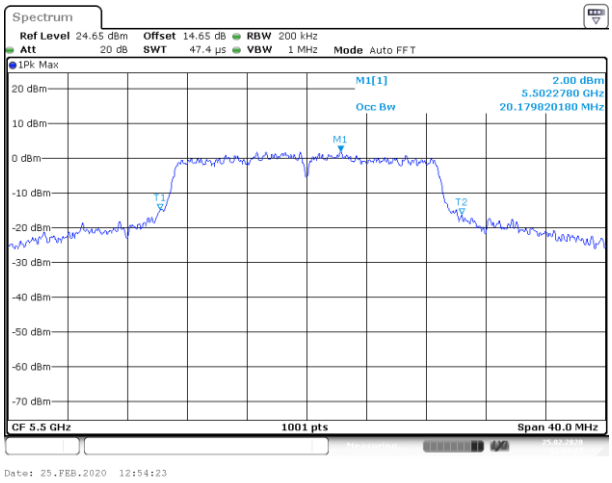
802.11n HT20 mode Middle CH	802.11n HT20 mode High CH
	
802.11n HT40 mode Low CH	**802.11n HT40 mode High CH**
	

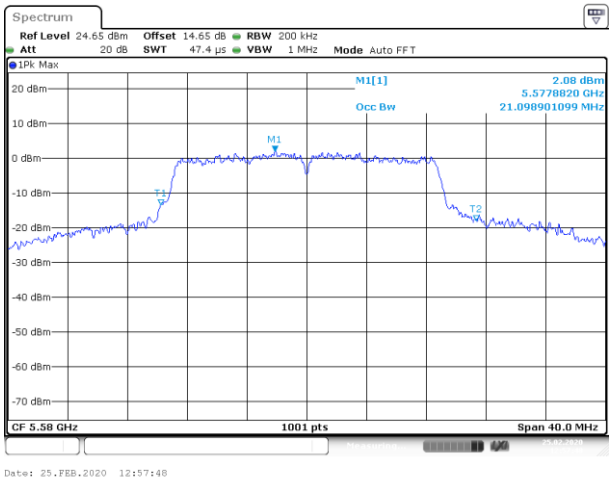
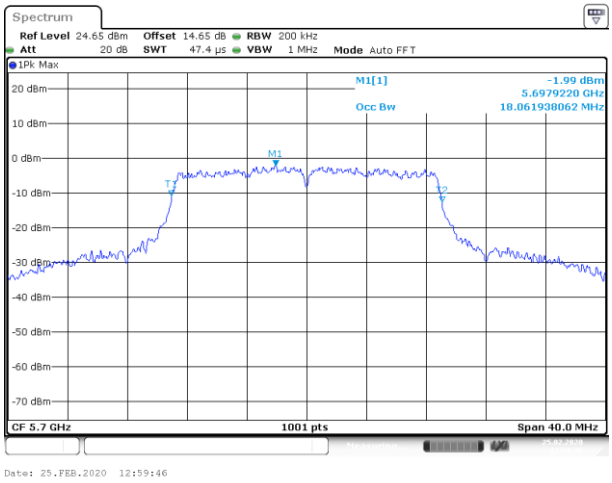
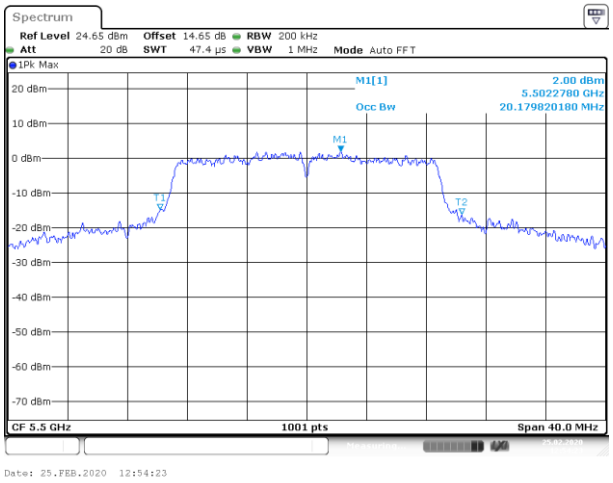
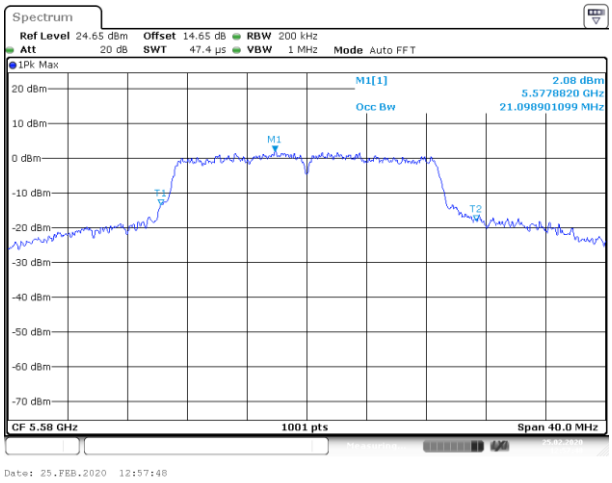
For UNII-2a

802.11a mode Low CH	802.11a mode Middle CH
	
802.11a mode High CH	**802.11n HT20 mode Low CH**
	

802.11n HT20 mode Middle CH	802.11n HT20 mode High CH
	
802.11n HT40 mode Low CH	**802.11n HT40 mode High CH**
	

For UNII-2c

802.11a mode Low CH	802.11a mode Middle CH
	
802.11a mode High CH	**802.11n HT20 mode Low CH**
	

802.11n HT20 mode Middle CH	802.11n HT20 mode High CH
	
802.11n HT40 mode Low CH	**802.11n HT40 mode Middle CH**
	
802.11n HT40 mode High CH