

Above 1G (1 GHz-40 GHz) in UNII-3:**802.11a mode:**

Low CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5644.920	61.43	68.20	-6.77	60.44	0.99	Peak	5628.360	60.94	68.20	-7.26	60.05	0.89	Peak
5680.200	62.32	90.59	-28.27	61.09	1.23	Peak	5651.040	62.19	68.97	-6.78	61.16	1.03	Peak
5719.440	65.36	110.64	-45.28	64.06	1.30	Peak	5719.440	72.02	110.64	-38.62	70.72	1.30	Peak
5747.520	97.31			96.03	1.28	Peak	5746.440	103.44			102.17	1.27	Peak
5858.040	63.81	109.95	-46.14	61.89	1.92	Peak	5874.240	63.33	105.41	-42.08	61.21	2.12	Peak
5896.920	65.04	88.94	-23.90	62.65	2.39	Peak	5908.080	64.24	80.69	-16.45	61.79	2.45	Peak
5943.000	64.92	68.20	-3.28	62.45	2.47	Peak	5933.640	63.83	68.20	-4.37	61.34	2.49	Peak
7660.000	39.61	54.00	-14.39	33.59	6.02	Average	7660.000	49.47	54.00	-4.53	43.45	6.02	Average
7660.000	49.73	74.00	-24.27	43.71	6.02	Peak	7660.000	53.87	74.00	-20.13	47.85	6.02	Peak
11490.000	37.59	54.00	-16.41	26.89	10.70	Average	11490.000	37.68	54.00	-16.32	26.98	10.70	Average
11490.000	51.32	74.00	-22.68	40.62	10.70	Peak	11490.000	51.61	74.00	-22.39	40.91	10.70	Peak
17235.000	58.73	68.20	-9.47	41.76	16.97	Peak	17235.000	57.83	68.20	-10.37	40.86	16.97	Peak

Middle CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5638.440	61.09	68.20	-7.11	60.15	0.94	Peak	5631.600	61.65	68.20	-6.55	60.75	0.90	Peak
5677.680	61.98	88.72	-26.74	60.78	1.20	Peak	5673.360	62.75	85.53	-22.78	61.57	1.18	Peak
5715.480	62.07	109.54	-47.47	60.76	1.31	Peak	5717.280	62.07	110.04	-47.97	60.76	1.31	Peak
5787.480	98.60			97.28	1.32	Peak	5788.560	102.53			101.20	1.33	Peak
5871.720	64.47	106.12	-41.65	62.38	2.09	Peak	5863.080	64.48	108.54	-44.06	62.50	1.98	Peak
5916.000	64.43	74.84	-10.41	61.97	2.46	Peak	5889.000	63.93	94.81	-30.88	61.63	2.30	Peak
5935.800	64.37	68.20	-3.83	61.88	2.49	Peak	5963.160	64.33	68.20	-3.87	61.89	2.44	Peak
7713.300	40.41	54.00	-13.59	34.22	6.19	Average	7713.300	49.81	54.00	-4.19	43.62	6.19	Average
7713.300	50.56	74.00	-23.44	44.37	6.19	Peak	7713.300	54.49	74.00	-19.51	48.30	6.19	Peak
11570.000	38.08	54.00	-15.92	27.32	10.76	Average	11570.000	37.71	54.00	-16.29	26.95	10.76	Average
11570.000	51.39	74.00	-22.61	40.63	10.76	Peak	11570.000	51.38	74.00	-22.62	40.62	10.76	Peak
17355.000	60.13	68.20	-8.07	42.42	17.71	Peak	17355.000	59.09	68.20	-9.11	41.38	17.71	Peak

High CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5630.160	61.85	68.20	-6.35	60.96	0.89	Peak	5624.040	61.85	68.20	-6.35	60.99	0.86	Peak
5687.040	62.65	95.64	-32.99	61.38	1.27	Peak	5677.680	61.89	88.72	-26.83	60.69	1.20	Peak
5712.960	62.37	108.83	-46.46	61.06	1.31	Peak	5708.640	62.56	107.62	-45.06	61.24	1.32	Peak
5822.400	98.44			96.93	1.51	Peak	5823.120	101.47			99.96	1.51	Peak
5856.600	67.34	110.35	-43.01	65.44	1.90	Peak	5856.240	68.78	110.45	-41.67	66.88	1.90	Peak
5916.000	64.64	74.84	-10.20	62.18	2.46	Peak	5907.360	64.39	81.22	-16.83	61.95	2.44	Peak
5965.320	63.97	68.20	-4.23	61.53	2.44	Peak	5931.840	64.43	68.20	-3.77	61.94	2.49	Peak
7766.700	50.93	68.20	-17.27	44.73	6.20	Peak	7766.700	53.45	68.20	-14.75	47.25	6.20	Peak
11650.000	38.06	54.00	-15.94	27.16	10.90	Average	11650.000	37.92	54.00	-16.08	27.02	10.90	Average
11650.000	51.15	74.00	-22.85	40.25	10.90	Peak	11650.000	51.96	74.00	-22.04	41.06	10.90	Peak
17475.000	59.20	68.20	-9.00	41.14	18.06	Peak	17475.000	58.84	68.20	-9.36	40.78	18.06	Peak

802.11n HT20 mode:

Low CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5619.360	61.40	68.20	-6.80	60.56	0.84	Peak	5642.400	61.20	68.20	-7.00	60.23	0.97	Peak
5692.440	61.84	99.63	-37.79	60.55	1.29	Peak	5697.120	63.04	103.08	-40.04	61.72	1.32	Peak
5718.000	65.54	110.24	-44.70	64.23	1.31	Peak	5719.080	72.16	110.54	-38.38	70.86	1.30	Peak
5747.880	98.06			96.78	1.28	Peak	5741.760	103.85			102.57	1.28	Peak
5867.760	63.94	107.23	-43.29	61.90	2.04	Peak	5869.920	63.89	106.62	-42.73	61.82	2.07	Peak
5917.440	64.76	73.77	-9.01	62.29	2.47	Peak	5895.120	64.05	90.27	-26.22	61.68	2.37	Peak
5960.280	64.39	68.20	-3.81	61.94	2.45	Peak	5942.280	64.22	68.20	-3.98	61.74	2.48	Peak
7660.000	40.43	54.00	-13.57	34.41	6.02	Average	7660.000	48.56	54.00	-5.44	42.54	6.02	Average
7660.000	47.93	74.00	-26.07	41.91	6.02	Peak	7660.000	52.96	74.00	-21.04	46.94	6.02	Peak
11490.000	38.24	54.00	-15.76	27.54	10.70	Average	11490.000	38.26	54.00	-15.74	27.56	10.70	Average
11490.000	52.36	74.00	-21.64	41.66	10.70	Peak	11490.000	51.88	74.00	-22.12	41.18	10.70	Peak
17235.000	57.76	68.20	-10.44	40.84	16.92	Peak	17235.000	58.49	68.20	-9.71	41.57	16.92	Peak

Middle CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5629.800	61.71	68.20	-6.49	60.82	0.89	Peak	5630.520	62.19	68.20	-6.01	61.30	0.89	Peak
5680.560	61.97	90.85	-28.88	60.74	1.23	Peak	5671.200	62.52	83.93	-21.41	61.36	1.16	Peak
5715.480	62.45	109.54	-47.09	61.14	1.31	Peak	5708.640	62.40	107.62	-45.22	61.08	1.32	Peak
5783.880	97.44			96.12	1.32	Peak	5787.840	101.75			100.42	1.33	Peak
5857.680	64.09	110.05	-45.96	62.18	1.91	Peak	5861.280	63.53	109.04	-45.51	61.57	1.96	Peak
5907.360	64.54	81.22	-16.68	62.10	2.44	Peak	5898.000	65.01	88.14	-23.13	62.61	2.40	Peak
5945.880	63.87	68.20	-4.33	61.40	2.47	Peak	5941.920	64.93	68.20	-3.27	62.46	2.47	Peak
7713.300	40.65	54.00	-13.35	34.46	6.19	Average	7713.300	48.98	54.00	-5.02	42.80	6.18	Average
7713.300	49.18	74.00	-24.82	42.99	6.19	Peak	7713.300	52.95	74.00	-21.05	46.73	6.22	Peak
11570.000	38.80	54.00	-15.20	28.04	10.76	Average	11590.000	38.24	54.00	-15.76	27.47	10.77	Average
11570.000	51.79	74.00	-22.21	41.03	10.76	Peak	11590.000	50.82	74.00	-23.18	40.05	10.77	Peak
17355.000	58.68	68.20	-9.52	41.00	17.68	Peak	17355.000	58.70	68.20	-9.50	41.02	17.68	Peak

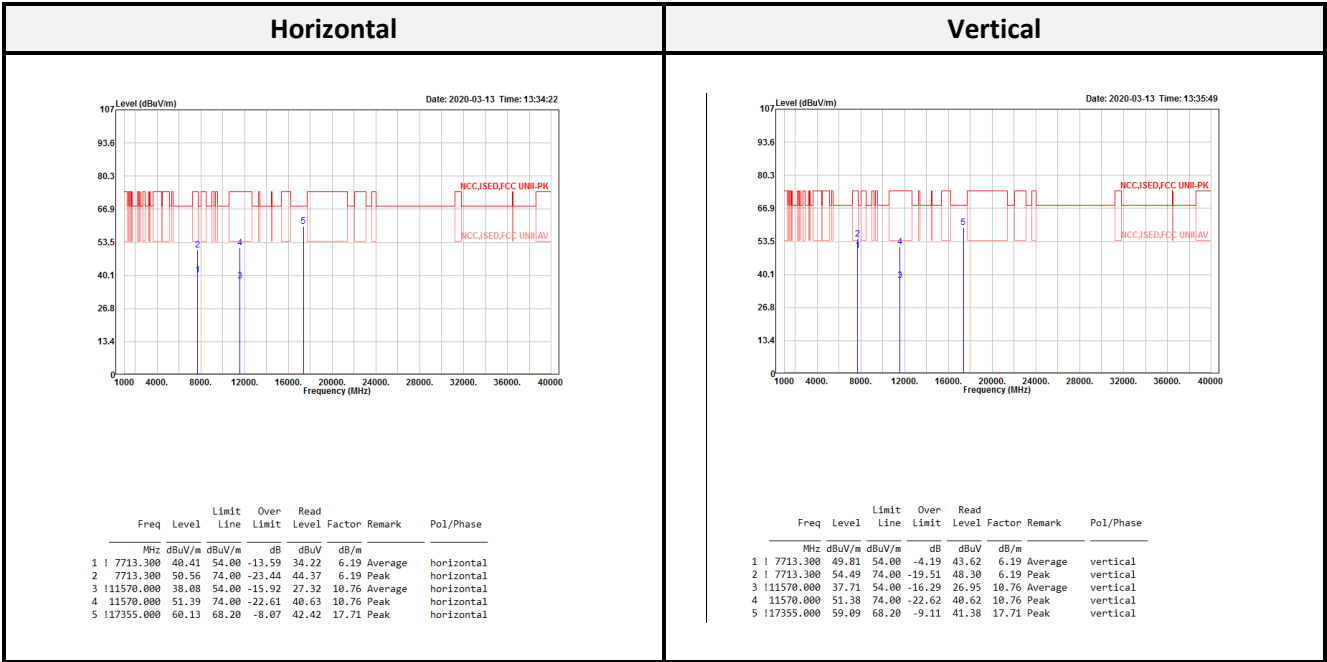
High CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5636.280	62.71	68.20	-5.49	61.77	0.94	Peak	5626.560	61.17	68.20	-7.03	60.30	0.87	Peak
5680.200	62.40	90.59	-28.19	61.17	1.23	Peak	5666.880	62.42	80.73	-18.31	61.28	1.14	Peak
5715.840	62.56	109.64	-47.08	61.24	1.32	Peak	5716.920	61.95	109.94	-47.99	60.64	1.31	Peak
5822.040	98.58			97.07	1.51	Peak	5820.960	101.11			99.62	1.49	Peak
5855.160	66.00	110.76	-44.76	64.12	1.88	Peak	5855.880	68.79	110.55	-41.76	66.89	1.90	Peak
5912.040	64.23	77.76	-13.53	61.78	2.45	Peak	5886.120	63.91	96.94	-33.03	61.65	2.26	Peak
5967.840	64.42	68.20	-3.78	61.99	2.43	Peak	5966.760	63.66	68.20	-4.54	61.23	2.43	Peak
7766.700	50.15	68.20	-18.05	43.95	6.20	Peak	7766.700	54.74	68.20	-13.46	48.54	6.20	Peak
11650.000	38.66	54.00	-15.34	27.76	10.90	Average	11650.000	38.49	54.00	-15.51	27.59	10.90	Average
11650.000	51.68	74.00	-22.32	40.78	10.90	Peak	11650.000	52.20	74.00	-21.80	41.30	10.90	Peak
17475.000	59.65	68.20	-8.55	41.64	18.01	Peak	17475.000	59.41	68.20	-8.79	41.40	18.01	Peak

802.11n HT40 mode:

Low CH													
Horizontal							Vertical						
Freq	Level	Limit	Over	Read			Freq	Level	Limit	Over	Read		
		Line	Limit	Level	Factor	Remark			Line	Limit	Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5612.880	62.31	68.20	-5.89	61.50	0.81	Peak	5612.520	61.64	68.20	-6.56	60.83	0.81	Peak
5694.240	62.84	100.95	-38.11	61.55	1.29	Peak	5693.880	63.77	100.69	-36.92	62.48	1.29	Peak
5719.440	69.44	110.64	-41.20	68.14	1.30	Peak	5719.800	74.20	110.74	-36.54	72.90	1.30	Peak
5760.840	93.98			92.68	1.30	Peak	5748.240	99.05			97.77	1.28	Peak
5868.120	64.46	107.12	-42.66	62.42	2.04	Peak	5860.200	64.17	109.34	-45.17	62.23	1.94	Peak
5923.920	65.42	69.00	-3.58	62.94	2.48	Peak	5894.040	65.36	91.07	-25.71	63.00	2.36	Peak
5963.520	64.77	68.20	-3.43	62.33	2.44	Peak	5968.560	64.99	68.20	-3.21	62.56	2.43	Peak
7673.300	42.89	54.00	-11.11	36.80	6.09	Average	7673.300	48.34	54.00	-5.66	42.25	6.09	Average
7673.300	50.76	74.00	-23.24	44.67	6.09	Peak	7673.300	52.99	74.00	-21.01	46.90	6.09	Peak
11510.000	37.75	54.00	-16.25	27.02	10.73	Average	11510.000	37.18	54.00	-16.82	26.45	10.73	Average
11510.000	50.56	74.00	-23.44	39.83	10.73	Peak	11510.000	50.88	74.00	-23.12	40.15	10.73	Peak
17265.000	58.66	68.20	-9.54	41.57	17.09	Peak	17265.000	58.91	68.20	-9.29	41.82	17.09	Peak

High CH													
Horizontal							Vertical						
Freq	Level	Limit	Over	Read			Freq	Level	Limit	Over	Read		
		Line	Limit	Level	Factor	Remark			Line	Limit	Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5648.520	62.45	68.20	-5.75	61.44	1.01	Peak	5620.440	62.20	68.20	-6.00	61.35	0.85	Peak
5671.200	62.62	83.93	-21.31	61.46	1.16	Peak	5684.520	62.81	93.78	-30.97	61.56	1.25	Peak
5705.760	63.08	106.81	-43.73	61.75	1.33	Peak	5715.120	62.70	109.44	-46.74	61.39	1.31	Peak
5789.640	93.42			92.10	1.32	Peak	5788.560	98.82			97.49	1.33	Peak
5872.800	64.33	105.82	-41.49	62.24	2.09	Peak	5859.480	64.16	109.54	-45.38	62.23	1.93	Peak
5913.480	64.62	76.70	-12.08	62.16	2.46	Peak	5923.560	65.10	69.26	-4.16	62.62	2.48	Peak
5949.480	64.07	68.20	-4.13	61.61	2.46	Peak	5967.120	64.70	68.20	-3.50	62.26	2.44	Peak
7726.700	43.03	54.00	-10.97	36.81	6.22	Average	7726.700	49.57	54.00	-4.43	43.35	6.22	Average
7726.700	51.75	74.00	-22.25	45.53	6.22	Peak	7726.700	54.01	74.00	-19.99	47.79	6.22	Peak
11590.000	38.07	54.00	-15.93	27.30	10.77	Average	11590.000	37.92	54.00	-16.08	27.15	10.77	Average
11590.000	50.75	74.00	-23.25	39.98	10.77	Peak	11590.000	51.22	74.00	-22.78	40.45	10.77	Peak
17385.000	57.88	68.20	-10.32	40.10	17.78	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.



Level = Read Level + Factor

Over Limit = Level – Limit

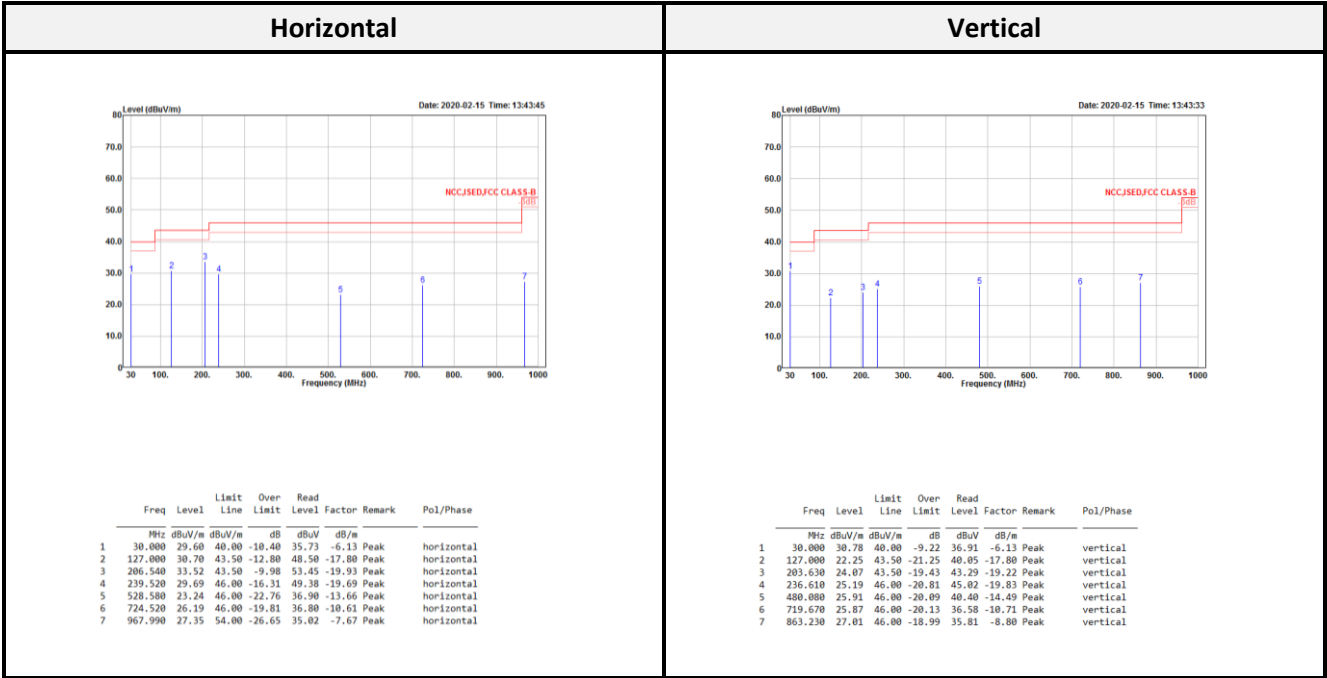
Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain

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



$Level = Read\ Level + Factor$

$Over\ Limit = Level - Limit$

$Correct\ Factor = Antenna\ Factor + Cable\ Loss - Amplifier\ Gain$

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							Vertical						
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5148.700	49.45	54.00	-4.55	49.10	0.35	Average	5148.550	48.60	54.00	-5.40	48.25	0.35	Average
5148.700	68.04	74.00	-5.96	67.69	0.35	Peak	5148.550	65.27	74.00	-8.73	64.92	0.35	Peak
5177.500	92.28			92.02	0.26	Average	5182.300	90.60			90.35	0.25	Average
5177.500	103.13			102.87	0.26	Peak	5182.300	101.28			101.03	0.25	Peak
6906.490	52.27	68.20	-15.93	47.86	4.41	Peak	6906.490	55.81	68.20	-12.39	51.37	4.44	Peak
10360.000	49.98	68.20	-18.22	40.76	9.22	Peak	10360.000	49.96	68.20	-18.24	40.74	9.22	Peak
15540.000	40.55	54.00	-13.45	26.36	14.19	Average	15540.000	41.63	54.00	-12.37	27.44	14.19	Average
15540.000	54.18	74.00	-19.82	39.99	14.19	Peak	15540.000	54.63	74.00	-19.37	40.44	14.19	Peak

Middle CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5117.600	46.96	54.00	-7.04	46.52	0.44	Average	5148.800	46.75	54.00	-7.25	46.40	0.35	Average
5117.600	61.47	74.00	-12.53	61.03	0.44	Peak	5148.800	60.52	74.00	-13.48	60.17	0.35	Peak
5202.800	92.41			92.16	0.25	Average	5198.000	90.15			89.89	0.26	Average
5202.800	102.65			102.40	0.25	Peak	5198.000	100.64			100.38	0.26	Peak
5420.000	46.58	54.00	-7.42	46.42	0.16	Average	5418.000	46.76	54.00	-7.24	46.59	0.17	Average
5420.000	61.23	74.00	-12.77	61.07	0.16	Peak	5418.000	60.48	74.00	-13.52	60.31	0.17	Peak
6933.160	51.53	68.20	-16.67	47.05	4.48	Peak	6933.160	55.11	68.20	-13.09	50.73	4.38	Peak
10400.000	50.90	68.20	-17.30	41.51	9.39	Peak	10400.000	50.55	68.20	-17.65	41.16	9.39	Peak
15600.000	45.03	54.00	-8.97	30.86	14.17	Average	15600.000	45.11	54.00	-8.89	30.94	14.17	Average
15600.000	57.84	74.00	-16.16	43.67	14.17	Peak	15600.000	57.87	74.00	-16.13	43.70	14.17	Peak

High CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5113.200	46.75	54.00	-7.25	46.30	0.45	Average	5109.200	47.01	54.00	-6.99	46.55	0.46	Average
5113.200	60.37	74.00	-13.63	59.92	0.45	Peak	5109.200	60.39	74.00	-13.61	59.93	0.46	Peak
5241.600	93.32			93.10	0.22	Average	5238.000	90.04			89.80	0.24	Average
5241.600	103.33			103.11	0.22	Peak	5238.000	100.41	-----	-----	100.17	0.24	Peak
5377.200	46.65	54.00	-7.35	46.47	0.18	Average	5442.400	46.79	54.00	-7.21	46.54	0.25	Average
5377.200	60.53	74.00	-13.47	60.35	0.18	Peak	5442.400	60.40	74.00	-13.60	60.15	0.25	Peak
6986.490	51.91	68.20	-16.29	47.53	4.38	Peak	6986.490	55.64	68.20	-12.56	51.45	4.19	Peak
10480.000	50.05	68.20	-18.15	40.86	9.19	Peak	10480.000	51.36	68.20	-16.84	42.17	9.19	Peak
15720.000	45.52	54.00	-8.48	31.22	14.30	Average	15720.000	45.43	54.00	-8.57	31.13	14.30	Average
15720.000	59.32	74.00	-14.68	45.02	14.30	Peak	15720.000	59.43	74.00	-14.57	45.13	14.30	Peak

802.11n HT20 mode:

Low CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5149.750	50.54	54.00	-3.46	50.19	0.35	Average	5148.250	49.89	54.00	-4.11	49.54	0.35	Average
5149.750	68.07	74.00	-5.93	67.72	0.35	Peak	5148.250	67.73	74.00	-6.27	67.38	0.35	Peak
5181.700	91.99			91.74	0.25	Average	5178.100	90.36			90.11	0.25	Average
5181.700	103.04			102.79	0.25	Peak	5178.100	101.15			100.90	0.25	Peak
6906.600	51.81	68.20	-16.39	47.37	4.44	Peak	6906.600	56.13	68.20	-12.07	51.69	4.44	Peak
10360.000	49.50	68.20	-18.70	40.23	9.27	Peak	10360.000	50.22	68.20	-17.98	41.00	9.22	Peak
15540.000	41.64	54.00	-12.36	27.45	14.19	Average	15540.000	41.50	54.00	-12.50	27.31	14.19	Average
15540.000	55.04	74.00	-18.96	40.85	14.19	Peak	15540.000	55.74	74.00	-18.26	41.55	14.19	Peak

Middle CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5074.000	46.90	54.00	-7.10	46.33	0.57	Average	5145.600	46.80	54.00	-7.20	46.44	0.36	Average
5074.000	60.36	74.00	-13.64	59.79	0.57	Peak	5145.600	60.40	74.00	-13.60	60.04	0.36	Peak
5201.600	92.01			91.75	0.26	Average	5198.400	88.51			88.26	0.25	Average
5201.600	102.79			102.53	0.26	Peak	5198.400	99.42			99.17	0.25	Peak
5356.000	46.84	54.00	-7.16	46.64	0.20	Average	5445.200	46.92	54.00	-7.08	46.66	0.26	Average
5356.000	60.33	74.00	-13.67	60.13	0.20	Peak	5445.200	60.73	74.00	-13.27	60.47	0.26	Peak
6933.330	51.59	68.20	-16.61	47.21	4.38	Peak	6933.330	57.25	68.20	-10.95	52.87	4.38	Peak
10400.000	49.35	68.20	-18.85	39.96	9.39	Peak	10400.000	49.87	68.20	-18.33	40.48	9.39	Peak
15600.000	43.91	54.00	-10.09	29.74	14.17	Average	15600.000	44.41	54.00	-9.59	30.24	14.17	Average
15600.000	57.45	74.00	-16.55	43.28	14.17	Peak	15600.000	57.70	74.00	-16.30	43.53	14.17	Peak

High CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5068.000	47.00	54.00	-7.00	46.41	0.59	Average	5103.200	46.75	54.00	-7.25	46.28	0.47	Average
5068.000	61.15	74.00	-12.85	60.56	0.59	Peak	5103.200	60.73	74.00	-13.27	60.26	0.47	Peak
5238.000	92.78			92.54	0.24	Average	5242.000	89.57			89.35	0.22	Average
5238.000	102.57			102.33	0.24	Peak	5242.000	99.63			99.41	0.22	Peak
5445.600	46.81	54.00	-7.19	46.54	0.27	Average	5434.000	46.74	54.00	-7.26	46.53	0.21	Average
5445.600	60.78	74.00	-13.22	60.51	0.27	Peak	5434.000	60.52	74.00	-13.48	60.31	0.21	Peak
6986.650	51.33	68.20	-16.87	47.14	4.19	Peak	6986.650	56.05	68.20	-12.15	51.86	4.19	Peak
10480.000	49.29	68.20	-18.91	40.10	9.19	Peak	10480.000	49.48	68.20	-18.72	40.29	9.19	Peak
15720.000	45.70	54.00	-8.30	31.40	14.30	Average	15720.000	45.66	54.00	-8.34	31.36	14.30	Average
15720.000	59.14	74.00	-14.86	44.84	14.30	Peak	15720.000	60.24	74.00	-13.76	45.94	14.30	Peak

802.11n HT40 mode:

Low CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5148.400	53.71	54.00	-0.29	53.36	0.35	Average	5150.000	52.52	54.00	-1.48	52.18	0.34	Average
5148.400	71.19	74.00	-2.81	70.84	0.35	Peak	5150.000	69.54	74.00	-4.46	69.20	0.34	Peak
5195.440	85.63			85.38	0.25	Average	5194.800	84.12			83.86	0.26	Average
5195.440	97.02			96.77	0.25	Peak	5194.800	94.89			94.63	0.26	Peak
10380.000	49.32	68.20	-18.88	39.96	9.36	Peak	10380.000	49.85	68.20	-18.35	40.49	9.36	Peak
15570.000	43.51	54.00	-10.49	29.33	14.18	Average	15570.000	43.82	54.00	-10.18	29.64	14.18	Average
15570.000	55.80	74.00	-18.20	41.62	14.18	Peak	15570.000	56.83	74.00	-17.17	42.65	14.18	Peak

High CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5140.400	46.81	54.00	-7.19	46.43	0.38	Average	5111.600	46.98	54.00	-7.02	46.52	0.46	Average
5140.400	60.35	74.00	-13.65	59.97	0.38	Peak	5111.600	60.72	74.00	-13.28	60.26	0.46	Peak
5235.200	87.16			86.90	0.26	Average	5213.200	84.10			83.83	0.27	Average
5235.200	97.45			97.19	0.26	Peak	5213.200	94.80			94.53	0.27	Peak
5408.000	46.92	54.00	-7.08	46.78	0.14	Average	5419.200	46.85	54.00	-7.15	46.68	0.17	Average
5408.000	60.46	74.00	-13.54	60.32	0.14	Peak	5419.200	60.66	74.00	-13.34	60.49	0.17	Peak
10460.000	50.78	68.20	-17.42	41.45	9.33	Peak	10460.000	49.21	68.20	-18.99	39.88	9.33	Peak
15690.000	45.61	54.00	-8.39	31.31	14.30	Average	15690.000	45.94	54.00	-8.06	31.64	14.30	Average
15690.000	59.87	74.00	-14.13	45.57	14.30	Peak	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							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5121.200	46.98	54.00	-7.02	46.55	0.43	Average	5052.000	46.98	54.00	-7.02	46.36	0.62	Average
5121.200	60.70	74.00	-13.30	60.27	0.43	Peak	5052.000	60.69	74.00	-13.31	60.07	0.62	Peak
5258.400	92.72			92.54	0.18	Average	5262.800	89.58			89.41	0.17	Average
5258.400	102.47			102.29	0.18	Peak	5262.800	99.82			99.65	0.17	Peak
5428.800	46.75	54.00	-7.25	46.57	0.18	Average	5401.200	46.71	54.00	-7.29	46.59	0.12	Average
5428.800	60.72	74.00	-13.28	60.54	0.18	Peak	5401.200	60.71	74.00	-13.29	60.59	0.12	Peak
7013.160	50.96	68.20	-17.24	46.76	4.20	Peak	7013.160	54.11	68.20	-14.09	49.90	4.21	Peak
10520.000	49.97	68.20	-18.23	41.13	8.84	Peak	10520.000	50.03	68.20	-18.17	41.19	8.84	Peak
15780.000	45.27	54.00	-8.73	31.24	14.03	Average	15780.000	45.81	54.00	-8.19	31.78	14.03	Average
15780.000	59.45	74.00	-14.55	45.42	14.03	Peak	15780.000	59.35	74.00	-14.65	45.32	14.03	Peak

Middle CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5098.400	46.84	54.00	-7.16	46.35	0.49	Average	5061.600	47.02	54.00	-6.98	46.42	0.60	Average
5098.400	60.82	74.00	-13.18	60.33	0.49	Peak	5061.600	61.09	74.00	-12.91	60.49	0.60	Peak
5304.000	93.49			93.28	0.21	Average	5301.600	89.44			89.23	0.21	Average
5304.000	103.24			103.03	0.21	Peak	5301.600	99.68			99.47	0.21	Peak
5427.600	47.00	54.00	-7.00	46.82	0.18	Average	5430.400	46.74	54.00	-7.26	46.54	0.20	Average
5427.600	60.92	74.00	-13.08	60.74	0.18	Peak	5430.400	60.59	74.00	-13.41	60.39	0.20	Peak
7066.490	50.14	68.20	-18.06	45.55	4.59	Peak	7066.490	55.23	68.20	-12.97	50.62	4.61	Peak
10600.000	37.46	54.00	-16.54	28.18	9.28	Average	10600.000	36.39	54.00	-17.61	27.11	9.28	Average
10600.000	50.77	74.00	-23.23	41.49	9.28	Peak	10600.000	50.36	74.00	-23.64	41.08	9.28	Peak
15960.000	44.07	54.00	-9.93	30.20	13.87	Average	15900.000	44.08	54.00	-9.92	30.23	13.85	Average
15960.000	57.28	74.00	-16.72	43.41	13.87	Peak	15900.000	57.75	74.00	-16.25	43.90	13.85	Peak

High CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5322.180	93.50			93.27	0.23	Average	5322.180	89.35			89.12	0.23	Average
5322.180	104.20			103.97	0.23	Peak	5322.180	99.94			99.71	0.23	Peak
5350.460	48.53	54.00	-5.47	48.31	0.22	Average	5350.320	47.42	54.00	-6.58	47.20	0.22	Average
5350.460	68.87	74.00	-5.13	68.65	0.22	Peak	5350.320	66.01	74.00	-7.99	65.79	0.22	Peak
7093.150	50.36	68.20	-17.84	45.61	4.75	Peak	7093.150	54.34	68.20	-13.86	49.59	4.75	Peak
10640.000	37.37	54.00	-16.63	27.47	9.90	Average	10640.000	38.05	54.00	-15.95	28.77	9.28	Average
10640.000	50.45	74.00	-23.55	40.55	9.90	Peak	10640.000	50.59	74.00	-23.41	41.31	9.28	Peak
15960.000	44.77	54.00	-9.23	31.12	13.65	Average	15960.000	44.91	54.00	-9.09	31.26	13.65	Average
15960.000	60.16	74.00	-13.84	46.51	13.65	Peak	15960.000	59.48	74.00	-14.52	45.83	13.65	Peak

802.11n HT20 mode:

Low CH													
Horizontal							Vertical						
Freq	Level	Limit	Over	Read			Freq	Level	Limit	Over	Read		
		Line	Limit	Level	Factor	Remark			Line	Limit	Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5108.000	46.76	54.00	-7.24	46.29	0.47	Average	5123.600	46.76	54.00	-7.24	46.33	0.43	Average
5108.000	60.18	74.00	-13.82	59.71	0.47	Peak	5123.600	61.17	74.00	-12.83	60.74	0.43	Peak
5257.600	92.98			92.81	0.17	Average	5256.000	89.82			89.64	0.18	Average
5257.600	103.25			103.08	0.17	Peak	5256.000	99.69			99.51	0.18	Peak
5438.000	46.76	54.00	-7.24	46.53	0.23	Average	5443.600	46.72	54.00	-7.28	46.47	0.25	Average
5438.000	60.24	74.00	-13.76	60.01	0.23	Peak	5443.600	60.55	74.00	-13.45	60.30	0.25	Peak
7013.160	51.94	68.20	-16.26	47.73	4.21	Peak	7013.160	56.03	68.20	-12.17	51.78	4.25	Peak
10520.000	49.22	68.20	-18.98	40.38	8.84	Peak	10520.000	49.09	68.20	-19.11	40.25	8.84	Peak
15780.000	45.83	54.00	-8.17	31.80	14.03	Average	15780.000	45.75	54.00	-8.25	31.72	14.03	Average
15780.000	60.07	74.00	-13.93	46.04	14.03	Peak	15780.000	59.69	74.00	-14.31	45.66	14.03	Peak

Middle CH													
Horizontal							Vertical						
Freq	Level	Limit	Over	Read			Freq	Level	Limit	Over	Read		
		Line	Limit	Level	Factor	Remark			Line	Limit	Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5110.000	46.92	54.00	-7.08	46.46	0.46	Average	5056.800	46.75	54.00	-7.25	46.14	0.61	Average
5110.000	60.91	74.00	-13.09	60.45	0.46	Peak	5056.800	60.77	74.00	-13.23	60.16	0.61	Peak
5301.600	93.16			92.95	0.21	Average	5297.600	89.73			89.53	0.20	Average
5301.600	103.95			103.74	0.21	Peak	5297.600	99.90			99.70	0.20	Peak
5423.600	46.77	54.00	-7.23	46.59	0.18	Average	5437.200	46.72	54.00	-7.28	46.49	0.23	Average
5423.600	60.67	74.00	-13.33	60.49	0.18	Peak	5437.200	60.35	74.00	-13.65	60.12	0.23	Peak
7066.490	51.12	68.20	-17.08	46.51	4.61	Peak	7066.490	56.85	68.20	-11.35	52.24	4.61	Peak
10600.000	36.83	54.00	-17.17	27.55	9.28	Average	10600.000	36.80	54.00	-17.20	27.52	9.28	Average
10600.000	51.25	74.00	-22.75	41.97	9.28	Peak	10600.000	50.80	74.00	-23.20	41.52	9.28	Peak
15900.000	44.18	54.00	-9.82	30.33	13.85	Average	15900.000	44.12	54.00	-9.88	30.27	13.85	Average
15900.000	56.68	74.00	-17.32	42.83	13.85	Peak	15900.000	58.01	74.00	-15.99	44.16	13.85	Peak

High CH													
Horizontal							Vertical						
Freq	Level	Limit	Over	Read			Freq	Level	Limit	Over	Read		
		Line	Limit	Level	Factor	Remark			Line	Limit	Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5317.980	93.38			93.15	0.23	Average	5318.540	89.06			88.83	0.23	Average
5317.980	104.23			104.00	0.23	Peak	5318.540	99.58			99.35	0.23	Peak
5350.180	49.69	54.00	-4.31	49.47	0.22	Average	5351.440	48.35	54.00	-5.65	48.14	0.21	Average
5350.180	69.87	74.00	-4.13	69.65	0.22	Peak	5351.440	66.45	74.00	-7.55	66.24	0.21	Peak
7093.160	51.18	68.20	-17.02	46.43	4.75	Peak	7093.160	56.65	68.20	-11.55	51.90	4.75	Peak
10640.000	37.34	54.00	-16.66	27.44	9.90	Average	10640.000	37.28	54.00	-16.72	27.38	9.90	Average
10640.000	50.49	74.00	-23.51	40.59	9.90	Peak	10640.000	50.16	74.00	-23.84	40.26	9.90	Peak
15960.000	45.12	54.00	-8.88	31.47	13.65	Average	15960.000	44.93	54.00	-9.07	31.28	13.65	Average
15960.000	57.65	74.00	-16.35	44.00	13.65	Peak	15960.000	57.90	74.00	-16.10	44.25	13.65	Peak

802.11n HT40 mode:

Low CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5126.400	46.88	54.00	-7.12	46.46	0.42	Average	5125.200	46.74	54.00	-7.26	46.31	0.43	Average
5126.400	60.16	74.00	-13.84	59.74	0.42	Peak	5125.200	61.77	74.00	-12.23	61.34	0.43	Peak
5264.800	87.04			86.88	0.16	Average	5276.000	83.59			83.44	0.15	Average
5264.800	98.28			98.12	0.16	Peak	5276.000	94.75			94.60	0.15	Peak
5434.800	46.52	54.00	-7.48	46.31	0.21	Average	5376.000	46.81	54.00	-7.19	46.63	0.18	Average
5434.800	60.59	74.00	-13.41	60.38	0.21	Peak	5376.000	60.78	74.00	-13.22	60.60	0.18	Peak
10540.000	49.32	68.20	-18.88	40.55	8.77	Peak	10540.000	49.71	68.20	-18.49	40.94	8.77	Peak
15810.000	44.05	54.00	-9.95	30.12	13.93	Average	15810.000	43.84	54.00	-10.16	29.91	13.93	Average
15810.000	57.38	74.00	-16.62	43.45	13.93	Peak	15810.000	58.90	74.00	-15.10	44.97	13.93	Peak

High CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5126.400	46.88	54.00	-7.12	46.46	0.42	Average	5125.200	46.74	54.00	-7.26	46.31	0.43	Average
5126.400	60.16	74.00	-13.84	59.74	0.42	Peak	5125.200	61.77	74.00	-12.23	61.34	0.43	Peak
5264.800	87.04			86.88	0.16	Average	5276.000	83.59			83.44	0.15	Average
5264.800	98.28			98.12	0.16	Peak	5276.000	94.75			94.60	0.15	Peak
5434.800	46.52	54.00	-7.48	46.31	0.21	Average	5376.000	46.81	54.00	-7.19	46.63	0.18	Average
5434.800	60.59	74.00	-13.41	60.38	0.21	Peak	5376.000	60.78	74.00	-13.22	60.60	0.18	Peak
10540.000	49.32	68.20	-18.88	40.55	8.77	Peak	10540.000	49.71	68.20	-18.49	40.94	8.77	Peak
15810.000	44.05	54.00	-9.95	30.12	13.93	Average	15810.000	43.84	54.00	-10.16	29.91	13.93	Average
15810.000	57.38	74.00	-16.62	43.45	13.93	Peak	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							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5456.540	47.97	54.00	-6.03	47.65	0.32	Average	5453.240	47.22	54.00	-6.78	46.92	0.30	Average
5456.540	63.92	74.00	-10.08	63.60	0.32	Peak	5453.240	61.42	74.00	-12.58	61.12	0.30	Peak
5502.300	93.26			92.75	0.51	Average	5502.300	86.55			86.04	0.51	Average
5502.300	103.90			103.39	0.51	Peak	5502.300	97.19			96.68	0.51	Peak
7333.150	42.02	54.00	-11.98	36.24	5.78	Average	7333.150	46.53	54.00	-7.47	40.75	5.78	Average
7333.150	51.31	74.00	-22.69	45.53	5.78	Peak	7333.150	52.33	74.00	-21.67	46.55	5.78	Peak
11000.000	37.16	54.00	-16.84	27.13	10.03	Average	11000.000	37.69	54.00	-16.31	27.66	10.03	Average
11000.000	51.22	74.00	-22.78	41.19	10.03	Peak	11000.000	50.74	74.00	-23.26	40.71	10.03	Peak
16500.000	55.76	68.20	-12.44	41.01	14.75	Peak	16500.000	55.80	68.20	-12.40	41.05	14.75	Peak

Middle CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5453.960	47.00	54.00	-7.00	46.70	0.30	Average	5421.660	46.75	54.00	-7.25	46.58	0.17	Average
5453.960	60.56	74.00	-13.44	60.26	0.30	Peak	5421.660	60.26	74.00	-13.74	60.09	0.17	Peak
5579.360	92.97			92.23	0.74	Average	5577.840	86.37			85.64	0.73	Average
5579.360	103.24			102.50	0.74	Peak	5577.840	96.52			95.79	0.73	Peak
5738.580	63.44	68.20	-4.76	62.16	1.28	Peak	5765.560	62.94	68.20	-5.26	61.63	1.31	Peak
7439.810	42.22	54.00	-11.78	36.16	6.06	Average	7439.810	47.13	54.00	-6.87	41.07	6.06	Average
7439.810	49.92	74.00	-24.08	43.86	6.06	Peak	7439.810	53.53	74.00	-20.47	47.47	6.06	Peak
11160.000	37.36	54.00	-16.64	27.13	10.23	Average	11160.000	37.84	54.00	-16.16	27.61	10.23	Average
11160.000	50.45	74.00	-23.55	40.22	10.23	Peak	11160.000	49.85	74.00	-24.15	39.62	10.23	Peak
16740.000	56.40	68.20	-11.80	40.86	15.54	Peak	16740.000	56.99	68.20	-11.21	41.44	15.55	Peak

High CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5697.260	90.55			89.23	1.32	Average	5697.700	82.06			80.74	1.32	Average
5697.260	101.56			100.24	1.32	Peak	5697.700	93.12			91.80	1.32	Peak
5725.310	67.85	68.20	-0.35	66.55	1.30	Peak	5789.440	63.20	68.20	-5.00	61.88	1.32	Peak
7599.810	35.15	54.00	-18.85	29.14	6.01	Average	7599.810	40.61	54.00	-13.39	34.59	6.02	Average
7599.810	49.33	74.00	-24.67	43.32	6.01	Peak	7599.810	49.31	74.00	-24.69	43.29	6.02	Peak
11400.000	38.16	54.00	-15.84	27.42	10.74	Average	11400.000	38.03	54.00	-15.97	27.29	10.74	Average
11400.000	50.84	74.00	-23.16	40.10	10.74	Peak	11400.000	50.49	74.00	-23.51	39.75	10.74	Peak
17100.000	57.36	68.20	-10.84	40.83	16.53	Peak	17100.000	57.45	68.20	-10.75	40.92	16.53	Peak

802.11n HT20 mode:

Low CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5459.950	48.62	54.00	-5.38	48.29	0.33	Average	5459.180	47.65	54.00	-6.35	47.32	0.33	Average
5459.950	66.41	74.00	-7.59	66.08	0.33	Peak	5459.180	61.61	74.00	-12.39	61.28	0.33	Peak
5501.530	92.92			92.41	0.51	Average	5501.640	88.07			87.56	0.51	Average
5501.530	103.85			103.34	0.51	Peak	5501.640	98.94			98.43	0.51	Peak
7333.150	41.28	54.00	-12.72	35.51	5.77	Average	7333.150	46.58	54.00	-7.42	40.86	5.72	Average
7333.150	50.15	74.00	-23.85	44.38	5.77	Peak	7333.150	52.38	74.00	-21.62	46.66	5.72	Peak
11000.000	36.73	54.00	-17.27	26.70	10.03	Average	11000.000	36.31	54.00	-17.69	26.28	10.03	Average
11000.000	50.68	74.00	-23.32	40.65	10.03	Peak	11000.000	50.11	74.00	-23.89	40.08	10.03	Peak
16500.000	55.12	68.20	-13.08	40.36	14.76	Peak	16500.000	55.71	68.20	-12.49	40.96	14.75	Peak

Middle CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5411.400	46.79	54.00	-7.21	46.63	0.16	Average	5410.260	46.86	54.00	-7.14	46.71	0.15	Average
5411.400	60.99	74.00	-13.01	60.83	0.16	Peak	5410.260	60.74	74.00	-13.26	60.59	0.15	Peak
5578.980	92.87			92.13	0.74	Average	5578.600	86.00			85.26	0.74	Average
5578.980	103.11			102.37	0.74	Peak	5578.600	95.93			95.19	0.74	Peak
5766.320	62.70	68.20	-5.50	61.40	1.30	Peak	5745.420	62.33	68.20	-5.87	61.06	1.27	Peak
7439.810	42.19	54.00	-11.81	36.14	6.05	Average	7449.810	47.73	54.00	-6.27	41.68	6.05	Average
7439.810	50.67	74.00	-23.33	44.62	6.05	Peak	7449.810	52.72	74.00	-21.28	46.67	6.05	Peak
11160.000	36.94	54.00	-17.06	26.71	10.23	Average	11160.000	38.08	54.00	-15.92	27.85	10.23	Average
11160.000	50.26	74.00	-23.74	40.03	10.23	Peak	11160.000	50.22	74.00	-23.78	39.99	10.23	Peak
16740.000	58.05	68.20	-10.15	42.51	15.54	Peak	16740.000	57.09	68.20	-11.11	41.55	15.54	Peak

High CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5701.440	89.45			88.13	1.32	Average	5701.550	81.48			80.16	1.32	Average
5701.440	100.77			99.45	1.32	Peak	5701.550	92.23			90.91	1.32	Peak
5725.200	68.17	68.20	-0.03	66.87	1.30	Peak	5727.950	63.55	68.20	-4.65	62.26	1.29	Peak
7599.810	34.76	54.00	-19.24	28.74	6.02	Average	7599.810	37.81	54.00	-16.19	31.79	6.02	Average
7599.810	47.88	74.00	-26.12	41.86	6.02	Peak	7599.810	47.81	74.00	-26.19	41.79	6.02	Peak
11400.000	37.86	54.00	-16.14	27.12	10.74	Average	11400.000	38.33	54.00	-15.67	27.59	10.74	Average
11400.000	51.52	74.00	-22.48	40.78	10.74	Peak	11400.000	51.02	74.00	-22.98	40.28	10.74	Peak
17100.000	58.37	68.20	-9.83	41.84	16.53	Peak	17100.000	57.08	68.20	-11.12	40.55	16.53	Peak

802.11n HT40 mode:

Low CH												
Horizontal							Vertical					
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m
5459.150	52.95	54.00	-1.05	52.62	0.33	Average	5459.670	49.80	54.00	-4.20	49.47	0.33 Average
5459.150	70.17	74.00	-3.83	69.84	0.33	Peak	5459.670	65.95	74.00	-8.05	65.62	0.33 Peak
5513.880	87.80			87.26	0.54	Average	5514.790	82.41			81.87	0.54 Average
5513.880	99.29			98.75	0.54	Peak	5514.790	93.66			93.12	0.54 Peak
11020.000	36.33	54.00	-17.67	26.20	10.13	Average	11020.000	36.24	54.00	-17.76	26.11	10.13 Average
11020.000	50.19	74.00	-23.81	40.06	10.13	Peak	11020.000	50.56	74.00	-23.44	40.43	10.13 Peak
16530.000	55.93	68.20	-12.27	41.10	14.83	Peak	16530.000	56.08	68.20	-12.12	41.25	14.83 Peak

Middle CH												
Horizontal							Vertical					
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m
5441.800	47.13	54.00	-6.87	46.89	0.24	Average	5456.240	47.17	54.00	-6.83	46.85	0.32 Average
5441.800	61.22	74.00	-12.78	60.98	0.24	Peak	5456.240	60.95	74.00	-13.05	60.63	0.32 Peak
5554.280	87.82			87.16	0.66	Average	5542.880	82.00			81.37	0.63 Average
5554.280	98.76			98.10	0.66	Peak	5542.880	92.72			92.09	0.63 Peak
5775.820	62.33	68.20	-5.87	61.01	1.32	Peak	5764.800	62.62	68.20	-5.58	61.31	1.31 Peak
11100.000	36.85	54.00	-17.15	26.48	10.37	Average	11100.000	37.07	54.00	-16.93	26.70	10.37 Average
11100.000	50.93	74.00	-23.07	40.56	10.37	Peak	11100.000	49.66	74.00	-24.34	39.29	10.37 Peak
16650.000	56.33	68.20	-11.87	41.30	15.03	Peak	16650.000	57.39	68.20	-10.81	42.36	15.03 Peak

High CH												
Horizontal							Vertical					
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m
5664.400	85.86			84.75	1.11	Average	5665.900	78.29			77.15	1.14 Average
5664.400	97.12			96.01	1.11	Peak	5665.900	89.28			88.14	1.14 Peak
5741.050	63.67	68.20	-4.53	62.38	1.29	Peak	5725.900	63.23	68.20	-4.97	61.93	1.30 Peak
11340.000	37.16	54.00	-16.84	26.70	10.46	Average	11340.000	37.17	54.00	-16.83	26.71	10.46 Average
11340.000	50.56	74.00	-23.44	40.10	10.46	Peak	11340.000	51.15	74.00	-22.85	40.69	10.46 Peak
17010.000	57.61	68.20	-10.59	42.01	15.60	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							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5613.240	61.29	68.20	-6.91	60.47	0.82	Peak	5615.760	60.76	68.20	-7.44	59.93	0.83	Peak
5676.240	62.18	87.66	-25.48	60.98	1.20	Peak	5680.200	61.50	90.59	-29.09	60.27	1.23	Peak
5719.080	71.52	110.54	-39.02	70.22	1.30	Peak	5715.120	63.27	109.44	-46.17	61.96	1.31	Peak
5748.240	99.95			98.67	1.28	Peak	5747.160	94.93			93.65	1.28	Peak
5868.480	64.04	107.02	-42.98	62.00	2.04	Peak	5856.240	63.31	110.45	-47.14	61.41	1.90	Peak
5889.000	64.10	94.81	-30.71	61.80	2.30	Peak	5916.720	64.11	74.31	-10.20	61.65	2.46	Peak
5930.040	64.28	68.20	-3.92	61.79	2.49	Peak	5948.400	64.34	68.20	-3.86	61.88	2.46	Peak
11490.000	37.56	54.00	-16.44	26.86	10.70	Average	11490.000	37.35	54.00	-16.65	26.65	10.70	Average
11490.000	50.84	74.00	-23.16	40.14	10.70	Peak	11490.000	51.58	74.00	-22.42	40.88	10.70	Peak
17235.000	57.86	68.20	-10.34	40.89	16.97	Peak	17235.000	58.28	68.20	-9.92	41.31	16.97	Peak

Middle CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5636.640	62.27	68.20	-5.93	61.33	0.94	Peak	5615.760	61.47	68.20	-6.73	60.64	0.83	Peak
5681.640	62.33	91.65	-29.32	61.10	1.23	Peak	5675.880	61.70	87.39	-25.69	60.51	1.19	Peak
5710.800	62.77	108.23	-45.46	61.45	1.32	Peak	5716.200	61.80	109.74	-47.94	60.48	1.32	Peak
5782.440	99.64			98.31	1.33	Peak	5788.560	95.07			93.74	1.33	Peak
5862.360	64.50	108.74	-44.24	62.53	1.97	Peak	5871.000	64.29	106.32	-42.03	62.22	2.07	Peak
5893.320	65.28	91.61	-26.33	62.94	2.34	Peak	5909.160	63.98	79.89	-15.91	61.54	2.44	Peak
5953.440	64.92	68.20	-3.28	62.46	2.46	Peak	5948.760	64.38	68.20	-3.82	61.93	2.45	Peak
11570.000	37.63	54.00	-16.37	26.87	10.76	Average	11570.000	37.56	54.00	-16.44	26.80	10.76	Average
11570.000	51.31	74.00	-22.69	40.55	10.76	Peak	11570.000	51.34	74.00	-22.66	40.58	10.76	Peak
17355.000	58.28	68.20	-9.92	40.57	17.71	Peak	17355.000	58.89	68.20	-9.31	41.18	17.71	Peak

High CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5631.960	61.77	68.20	-6.43	60.87	0.90	Peak	5628.720	61.98	68.20	-6.22	61.09	0.89	Peak
5682.000	62.55	91.92	-29.37	61.32	1.23	Peak	5671.560	62.00	84.19	-22.19	60.84	1.16	Peak
5711.880	62.02	108.53	-46.51	60.71	1.31	Peak	5714.760	62.27	109.33	-47.06	60.97	1.30	Peak
5822.400	99.19			97.68	1.51	Peak	5823.120	94.50			92.99	1.51	Peak
5866.320	63.79	107.63	-43.84	61.77	2.02	Peak	5859.480	63.79	109.54	-45.75	61.86	1.93	Peak
5909.880	64.55	79.36	-14.81	62.11	2.44	Peak	5895.840	64.52	89.74	-25.22	62.14	2.38	Peak
5931.480	64.63	68.20	-3.57	62.14	2.49	Peak	5927.880	64.50	68.20	-3.70	62.01	2.49	Peak
11650.000	38.01	54.00	-15.99	27.11	10.90	Average	11650.000	38.06	54.00	-15.94	27.21	10.85	Average
11650.000	51.99	74.00	-22.01	41.09	10.90	Peak	11650.000	51.23	74.00	-22.77	40.38	10.85	Peak
17475.000	58.70	68.20	-9.50	40.64	18.06	Peak	17475.000	58.59	68.20	-9.61	40.53	18.06	Peak

802.11n HT20 mode:

Low CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5642.400	62.17	68.20	-6.03	61.20	0.97	Peak	5629.440	61.47	68.20	-6.73	60.58	0.89	Peak
5690.280	61.90	98.03	-36.13	60.63	1.27	Peak	5676.600	61.98	87.92	-25.94	60.78	1.20	Peak
5719.080	72.29	110.54	-38.25	70.99	1.30	Peak	5718.720	67.27	110.44	-43.17	65.96	1.31	Peak
5740.680	100.77			99.48	1.29	Peak	5742.120	95.22			93.94	1.28	Peak
5866.680	63.78	107.53	-43.75	61.76	2.02	Peak	5863.800	63.81	108.33	-44.52	61.83	1.98	Peak
5896.560	64.39	89.21	-24.82	62.01	2.38	Peak	5889.720	65.00	94.27	-29.27	62.70	2.30	Peak
5933.640	64.21	68.20	-3.99	61.72	2.49	Peak	5939.760	64.45	68.20	-3.75	61.98	2.47	Peak
11490.000	37.47	54.00	-16.53	26.77	10.70	Average	11490.000	37.57	54.00	-16.43	26.87	10.70	Average
11490.000	50.91	74.00	-23.09	40.21	10.70	Peak	11490.000	50.25	74.00	-23.75	39.55	10.70	Peak
17235.000	58.27	68.20	-9.93	41.30	16.97	Peak	17235.000	58.47	68.20	-9.73	41.50	16.97	Peak

Middle CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5627.640	61.61	68.20	-6.59	60.74	0.87	Peak	5636.640	61.71	68.20	-6.49	60.77	0.94	Peak
5674.440	61.78	86.33	-24.55	60.59	1.19	Peak	5671.200	62.27	83.93	-21.66	61.11	1.16	Peak
5703.240	62.23	106.11	-43.88	60.90	1.33	Peak	5717.640	61.67	110.14	-48.47	60.36	1.31	Peak
5783.160	99.56			98.22	1.34	Peak	5783.160	95.08			93.74	1.34	Peak
5871.360	63.84	106.22	-42.38	61.76	2.08	Peak	5871.000	64.06	106.32	-42.26	61.99	2.07	Peak
5902.680	64.76	84.68	-19.92	62.33	2.43	Peak	5901.240	64.44	85.74	-21.30	62.00	2.44	Peak
5948.400	64.16	68.20	-4.04	61.70	2.46	Peak	5946.960	64.55	68.20	-3.65	62.08	2.47	Peak
11570.000	37.60	54.00	-16.40	26.84	10.76	Average	11570.000	37.69	54.00	-16.31	26.93	10.76	Average
11570.000	51.19	74.00	-22.81	40.43	10.76	Peak	11570.000	50.76	74.00	-23.24	40.00	10.76	Peak
17355.000	58.70	68.20	-9.50	40.99	17.71	Peak	17355.000	58.55	68.20	-9.65	40.84	17.71	Peak

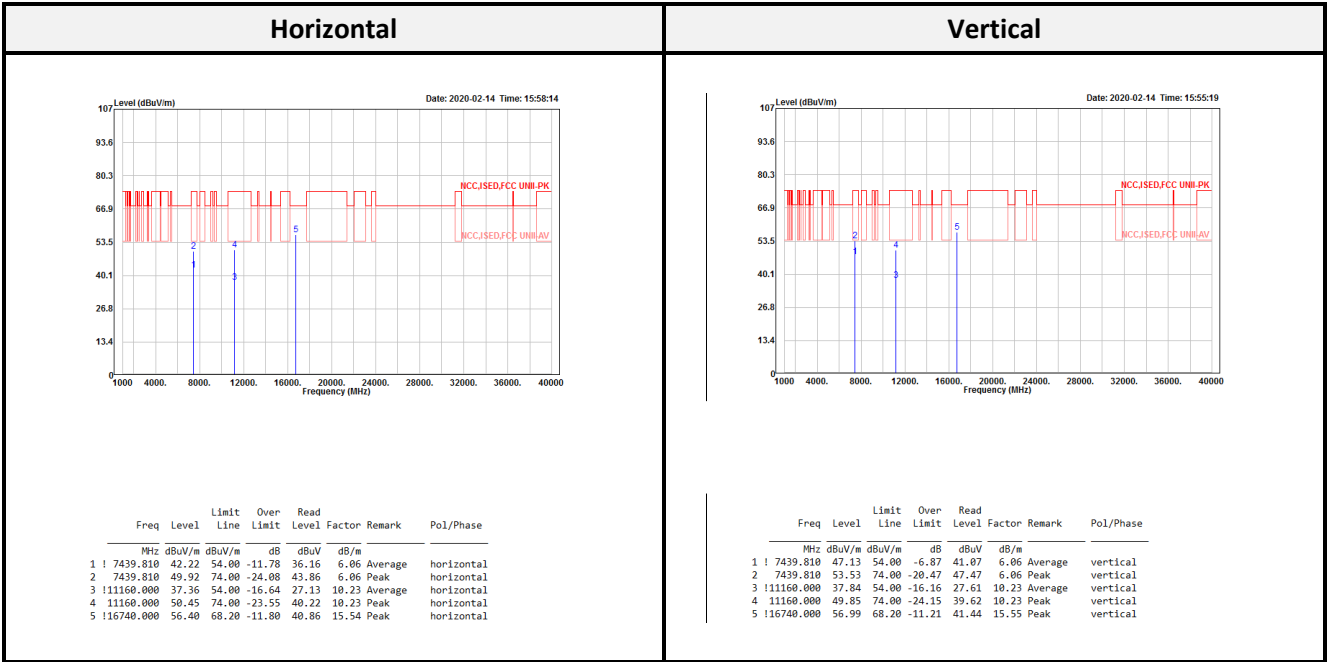
High CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5637.360	61.20	68.20	-7.00	60.26	0.94	Peak	5628.720	61.98	68.20	-6.22	61.09	0.89	Peak
5683.440	61.57	92.98	-31.41	60.33	1.24	Peak	5671.560	62.00	84.19	-22.19	60.84	1.16	Peak
5709.000	62.48	107.72	-45.24	61.17	1.31	Peak	5714.760	62.27	109.33	-47.06	60.97	1.30	Peak
5823.480	98.95			97.44	1.51	Peak	5823.120	94.50			92.99	1.51	Peak
5862.360	63.90	108.74	-44.84	61.93	1.97	Peak	5859.480	63.79	109.54	-45.75	61.86	1.93	Peak
5905.920	64.19	82.28	-18.09	61.74	2.45	Peak	5895.840	64.52	89.74	-25.22	62.14	2.38	Peak
5953.800	63.98	68.20	-4.22	61.53	2.45	Peak	5927.880	64.50	68.20	-3.70	62.01	2.49	Peak
11650.000	37.40	54.00	-16.60	26.50	10.90	Average	11650.000	37.21	54.00	-16.79	26.31	10.90	Average
11650.000	51.48	74.00	-22.52	40.58	10.90	Peak	11650.000	51.13	74.00	-22.87	40.23	10.90	Peak
17475.000	58.55	68.20	-9.65	40.49	18.06	Peak	17475.000	58.89	68.20	-9.31	40.83	18.06	Peak

802.11n HT40 mode:

Low CH													
Horizontal							Vertical						
Freq	Level	Limit	Over	Read			Freq	Level	Limit	Over	Read		
		Line	Limit	Level	Factor	Remark			Line	Limit	Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5640.240	63.01	68.20	-5.19	62.06	0.95	Peak	5616.840	62.07	68.20	-6.13	61.23	0.84	Peak
5694.240	63.62	100.95	-37.33	62.33	1.29	Peak	5678.040	62.19	88.99	-26.80	60.98	1.21	Peak
5716.560	72.12	109.84	-37.72	70.81	1.31	Peak	5718.360	67.21	110.34	-43.13	65.90	1.31	Peak
5747.520	95.42			94.14	1.28	Peak	5749.680	89.51			88.24	1.27	Peak
5869.200	63.83	106.82	-42.99	61.78	2.05	Peak	5871.360	63.49	106.22	-42.73	61.41	2.08	Peak
5918.880	65.22	72.71	-7.49	62.76	2.46	Peak	5915.640	64.43	75.10	-10.67	61.97	2.46	Peak
5966.400	64.45	68.20	-3.75	62.02	2.43	Peak	5956.320	64.41	68.20	-3.79	61.96	2.45	Peak
11510.000	37.04	54.00	-16.96	26.31	10.73	Average	11510.000	37.13	54.00	-16.87	26.40	10.73	Average
11510.000	50.58	74.00	-23.42	39.85	10.73	Peak	11510.000	50.24	74.00	-23.76	39.51	10.73	Peak
17265.000	58.63	68.20	-9.57	41.53	17.10	Peak	17265.000	59.26	68.20	-8.94	42.16	17.10	Peak

High CH													
Horizontal							Vertical						
Freq	Level	Limit	Over	Read			Freq	Level	Limit	Over	Read		
		Line	Limit	Level	Factor	Remark			Line	Limit	Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5625.840	62.34	68.20	-5.86	61.47	0.87	Peak	5643.480	61.80	68.20	-6.40	60.82	0.98	Peak
5679.120	62.50	89.79	-27.29	61.28	1.22	Peak	5687.400	62.59	95.91	-33.32	61.32	1.27	Peak
5703.960	62.33	106.31	-43.98	61.01	1.32	Peak	5707.200	62.57	107.22	-44.65	61.25	1.32	Peak
5789.640	94.62			93.30	1.32	Peak	5787.840	89.77			88.44	1.33	Peak
5865.240	64.87	107.93	-43.06	62.86	2.01	Peak	5864.160	64.10	108.23	-44.13	62.10	2.00	Peak
5909.520	65.04	79.62	-14.58	62.60	2.44	Peak	5921.040	64.98	71.12	-6.14	62.51	2.47	Peak
5934.360	64.39	68.20	-3.81	61.91	2.48	Peak	5932.560	64.86	68.20	-3.34	62.38	2.48	Peak
11590.000	37.18	54.00	-16.82	26.41	10.77	Average	11590.000	37.38	54.00	-16.62	26.61	10.77	Average
11590.000	50.59	74.00	-23.41	39.82	10.77	Peak	11590.000	51.30	74.00	-22.70	40.53	10.77	Peak
17385.000	58.66	68.20	-9.54	40.85	17.81	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.



Level = Read Level + Factor

Over Limit = Level – Limit

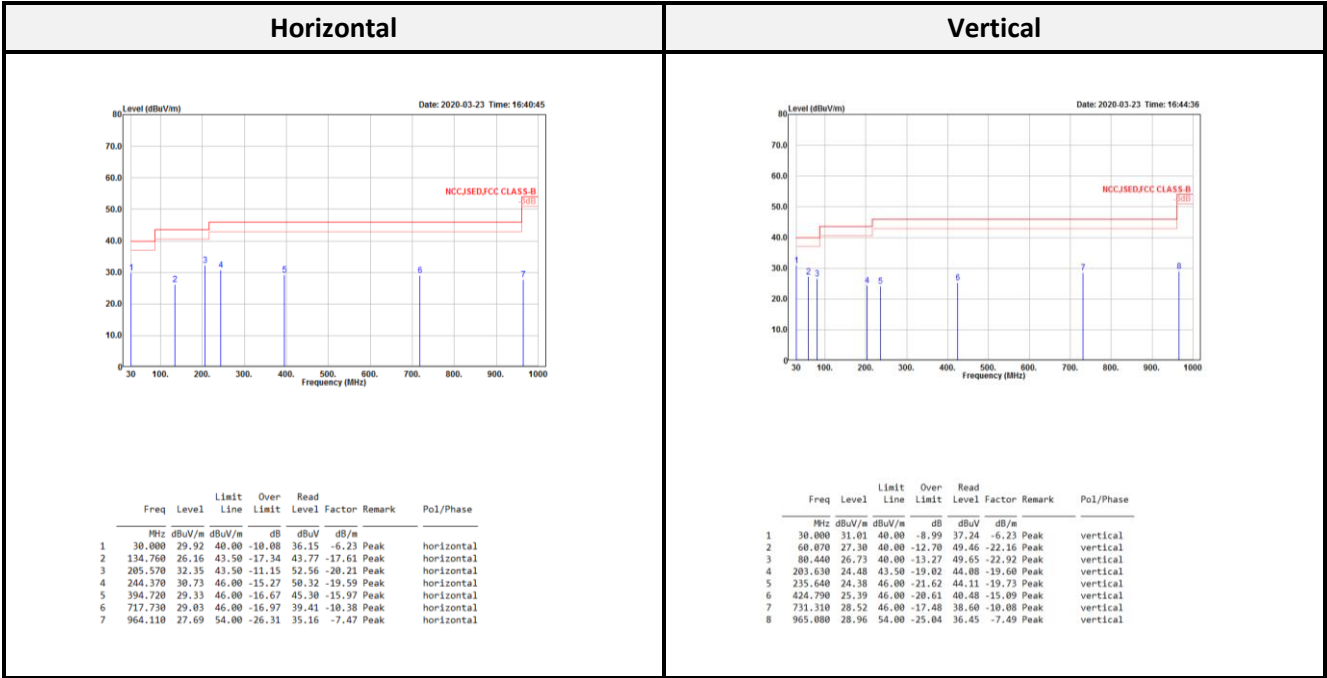
Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain

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



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							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5148.100	49.57	54.00	-4.43	49.22	0.35	Average	5147.350	47.86	54.00	-6.14	47.51	0.35	Average
5148.100	67.20	74.00	-6.80	66.85	0.35	Peak	5147.350	63.85	74.00	-10.15	63.50	0.35	Peak
5182.300	93.86			93.61	0.25	Average	5181.550	89.43			89.19	0.24	Average
5182.300	104.59			104.34	0.25	Peak	5181.550	99.99			99.75	0.24	Peak
6906.700	59.37	68.20	-8.83	54.93	4.44	Peak	6906.700	51.37	68.20	-16.83	46.93	4.44	Peak
10360.000	51.31	68.20	-16.89	42.09	9.22	Peak	10360.000	50.91	68.20	-17.29	41.69	9.22	Peak
15540.000	41.67	54.00	-12.33	27.48	14.19	Average	15540.000	41.99	54.00	-12.01	27.80	14.19	Average
15540.000	55.94	74.00	-18.06	41.75	14.19	Peak	15540.000	56.65	74.00	-17.35	42.46	14.19	Peak

Middle CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5078.800	46.98	54.00	-7.02	46.42	0.56	Average	5114.800	46.68	54.00	-7.32	46.23	0.45	Average
5078.800	60.53	74.00	-13.47	59.97	0.56	Peak	5114.800	61.41	74.00	-12.59	60.96	0.45	Peak
5201.600	94.39			94.13	0.26	Average	5197.200	88.36			88.10	0.26	Average
5201.600	104.80			104.54	0.26	Peak	5197.200	98.93			98.67	0.26	Peak
5358.800	46.61	54.00	-7.39	46.41	0.20	Average	5395.600	46.66	54.00	-7.34	46.52	0.14	Average
5358.800	60.38	74.00	-13.62	60.18	0.20	Peak	5395.600	60.91	74.00	-13.09	60.77	0.14	Peak
6933.300	59.01	68.20	-9.19	54.63	4.38	Peak	6933.300	53.19	68.20	-15.01	48.81	4.38	Peak
10400.000	50.68	68.20	-17.52	41.29	9.39	Peak	10400.000	50.80	68.20	-17.40	41.41	9.39	Peak
15600.000	45.72	54.00	-8.28	31.55	14.17	Average	15600.000	44.68	54.00	-9.32	30.51	14.17	Average
15600.000	58.99	74.00	-15.01	44.82	14.17	Peak	15600.000	57.19	74.00	-16.81	43.02	14.17	Peak

High CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5108.400	46.84	54.00	-7.16	46.37	0.47	Average	5137.200	47.04	54.00	-6.96	46.65	0.39	Average
5108.400	60.48	74.00	-13.52	60.01	0.47	Peak	5137.200	61.23	74.00	-12.77	60.84	0.39	Peak
5242.800	95.40			95.18	0.22	Average	5238.000	89.99			89.75	0.24	Average
5242.800	105.43			105.21	0.22	Peak	5238.000	99.91			99.67	0.24	Peak
5412.400	46.73	54.00	-7.27	46.58	0.15	Average	5371.600	46.71	54.00	-7.29	46.53	0.18	Average
5412.400	60.52	74.00	-13.48	60.37	0.15	Peak	5371.600	60.48	74.00	-13.52	60.30	0.18	Peak
6986.700	55.13	68.20	-13.07	50.95	4.18	Peak	6986.700	51.03	68.20	-17.17	46.85	4.18	Peak
10480.000	50.96	68.20	-17.24	41.77	9.19	Peak	10480.000	50.46	68.20	-17.74	41.27	9.19	Peak
15720.000	45.57	54.00	-8.43	31.27	14.30	Average	15720.000	45.76	54.00	-8.24	31.46	14.30	Average
15720.000	60.62	74.00	-13.38	46.32	14.30	Peak	15720.000	59.54	74.00	-14.46	45.24	14.30	Peak

802.11n HT20 mode:

Low CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5149.600	51.23	54.00	-2.77	50.88	0.35	Average	5146.750	48.47	54.00	-5.53	48.12	0.35	Average
5149.600	68.63	74.00	-5.37	68.28	0.35	Peak	5146.750	64.37	74.00	-9.63	64.02	0.35	Peak
5181.700	94.16			93.91	0.25	Average	5178.100	89.46			89.21	0.25	Average
5181.700	104.76			104.51	0.25	Peak	5178.100	100.18			99.93	0.25	Peak
6906.700	59.08	68.20	-9.12	54.64	4.44	Peak	6906.700	53.74	68.20	-14.46	49.30	4.44	Peak
10360.000	50.00	68.20	-18.20	40.78	9.22	Peak	10360.000	50.67	68.20	-17.53	41.45	9.22	Peak
15540.000	42.08	54.00	-11.92	27.89	14.19	Average	15540.000	41.56	54.00	-12.44	27.37	14.19	Average
15540.000	56.02	74.00	-17.98	41.83	14.19	Peak	15540.000	57.30	74.00	-16.70	43.11	14.19	Peak

Middle CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5150.000	46.75	54.00	-7.25	46.41	0.34	Average	5136.000	46.70	54.00	-7.30	46.30	0.40	Average
5150.000	61.23	74.00	-12.77	60.89	0.34	Peak	5136.000	60.69	74.00	-13.31	60.29	0.40	Peak
5201.600	94.19			93.93	0.26	Average	5202.800	88.93			88.68	0.25	Average
5201.600	104.89			104.63	0.26	Peak	5202.800	99.45			99.20	0.25	Peak
5374.400	46.71	54.00	-7.29	46.53	0.18	Average	5396.000	46.49	54.00	-7.51	46.35	0.14	Average
5374.400	61.10	74.00	-12.90	60.92	0.18	Peak	5396.000	60.56	74.00	-13.44	60.42	0.14	Peak
6933.300	58.98	68.20	-9.22	54.60	4.38	Peak	6933.300	52.27	68.20	-15.93	47.89	4.38	Peak
10400.000	50.01	68.20	-18.19	40.62	9.39	Peak	10400.000	50.79	68.20	-17.41	41.40	9.39	Peak
15600.000	44.72	54.00	-9.28	30.55	14.17	Average	15600.000	44.32	54.00	-9.68	30.15	14.17	Average
15600.000	58.41	74.00	-15.59	44.24	14.17	Peak	15600.000	58.72	74.00	-15.28	44.55	14.17	Peak

High CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5144.000	46.51	54.00	-7.49	46.15	0.36	Average	5113.600	46.62	54.00	-7.38	46.17	0.45	Average
5144.000	61.25	74.00	-12.75	60.89	0.36	Peak	5113.600	60.87	74.00	-13.13	60.42	0.45	Peak
5241.600	94.97			94.75	0.22	Average	5237.600	89.48			89.24	0.24	Average
5241.600	105.75			105.53	0.22	Peak	5237.600	99.72			99.48	0.24	Peak
5373.600	46.52	54.00	-7.48	46.33	0.19	Average	5382.400	46.60	54.00	-7.40	46.43	0.17	Average
5373.600	60.71	74.00	-13.29	60.52	0.19	Peak	5382.400	60.37	74.00	-13.63	60.20	0.17	Peak
6986.700	58.49	68.20	-9.71	54.31	4.18	Peak	6986.700	52.32	68.20	-15.88	48.14	4.18	Peak
10480.000	51.35	68.20	-16.85	42.16	9.19	Peak	10480.000	49.74	68.20	-18.46	40.55	9.19	Peak
15780.000	45.51	54.00	-8.49	31.48	14.03	Average	15720.000	45.67	54.00	-8.33	31.37	14.30	Average
15780.000	60.07	74.00	-13.93	46.04	14.03	Peak	15720.000	60.61	74.00	-13.39	46.31	14.30	Peak

802.11n HT40 mode:

Low CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5149.680	53.62	54.00	-0.38	53.27	0.35	Average	5149.520	50.92	54.00	-3.08	50.57	0.35	Average
5149.680	69.17	74.00	-4.83	68.82	0.35	Peak	5149.520	66.36	74.00	-7.64	66.01	0.35	Peak
5194.800	88.04			87.78	0.26	Average	5193.680	82.50			82.25	0.25	Average
5194.800	99.43			99.17	0.26	Peak	5193.680	93.83			93.58	0.25	Peak
! 6920.000	59.31	68.20	-8.89	54.91	4.40	Peak	6920.000	55.58	68.20	-12.62	51.18	4.40	Peak
! 10380.000	49.90	68.20	-18.30	40.54	9.36	Peak	10380.000	49.14	68.20	-19.06	39.78	9.36	Peak
! 15570.000	43.95	54.00	-10.05	29.77	14.18	Average	15570.000	44.02	54.00	-9.98	29.84	14.18	Average
! 15570.000	57.42	74.00	-16.58	43.24	14.18	Peak	15570.000	58.26	74.00	-15.74	44.08	14.18	Peak

High CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5119.200	47.01	54.00	-6.99	46.58	0.43	Average	5127.600	46.72	54.00	-7.28	46.30	0.42	Average
5119.200	61.26	74.00	-12.74	60.83	0.43	Peak	5127.600	61.05	74.00	-12.95	60.63	0.42	Peak
5232.000	89.52			89.25	0.27	Average	5236.000	84.37			84.12	0.25	Average
5232.000	100.21			99.94	0.27	Peak	5236.000	95.35			95.10	0.25	Peak
5406.000	46.73	54.00	-7.27	46.60	0.13	Average	5403.200	46.58	54.00	-7.42	46.45	0.13	Average
5406.000	61.22	74.00	-12.78	61.09	0.13	Peak	5403.200	60.97	74.00	-13.03	60.84	0.13	Peak
6973.300	58.51	68.20	-9.69	54.28	4.23	Peak	6973.300	54.91	68.20	-13.29	50.68	4.23	Peak
10460.000	51.22	68.20	-16.98	41.94	9.28	Peak	10460.000	51.06	68.20	-17.14	41.78	9.28	Peak
15690.000	45.65	54.00	-8.35	31.35	14.30	Average	15690.000	45.75	54.00	-8.25	31.45	14.30	Average
15690.000	57.23	74.00	-16.77	42.93	14.30	Peak	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							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5109.200	46.74	54.00	-7.26	46.28	0.46	Average	5076.000	46.93	54.00	-7.07	46.36	0.57	Average
5109.200	60.35	74.00	-13.65	59.89	0.46	Peak	5076.000	61.14	74.00	-12.86	60.57	0.57	Peak
5258.000	94.30			94.12	0.18	Average	5259.200	88.97			88.79	0.18	Average
5258.000	104.86			104.68	0.18	Peak	5259.200	99.47			99.29	0.18	Peak
5406.400	46.54	54.00	-7.46	46.41	0.13	Average	5448.000	46.71	54.00	-7.29	46.44	0.27	Average
5406.400	60.34	74.00	-13.66	60.21	0.13	Peak	5448.000	60.65	74.00	-13.35	60.38	0.27	Peak
7013.300	56.41	68.20	-11.79	52.21	4.20	Peak	7013.300	51.02	68.20	-17.18	46.82	4.20	Peak
10520.000	51.45	68.20	-16.75	42.61	8.84	Peak	10520.000	50.12	68.20	-18.08	41.28	8.84	Peak
15780.000	44.72	54.00	-9.28	30.69	14.03	Average	15780.000	45.03	54.00	-8.97	31.00	14.03	Average
15780.000	59.68	74.00	-14.32	45.65	14.03	Peak	15780.000	59.22	74.00	-14.78	45.19	14.03	Peak

Middle CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5136.400	46.67	54.00	-7.33	46.28	0.39	Average	5081.200	46.85	54.00	-7.15	46.30	0.55	Average
5136.400	61.31	74.00	-12.69	60.92	0.39	Peak	5081.200	61.85	74.00	-12.15	61.30	0.55	Peak
5301.600	93.18			92.97	0.21	Average	5298.000	89.78			89.59	0.19	Average
5301.600	103.76			103.55	0.21	Peak	5298.000	100.12			99.93	0.19	Peak
5436.400	46.62	54.00	-7.38	46.39	0.23	Average	5362.800	46.54	54.00	-7.46	46.35	0.19	Average
5436.400	60.48	74.00	-13.52	60.25	0.23	Peak	5362.800	60.64	74.00	-13.36	60.45	0.19	Peak
7066.700	54.74	68.20	-13.46	50.15	4.59	Peak	7066.700	50.83	68.20	-17.37	46.24	4.59	Peak
10600.000	36.65	54.00	-17.35	27.37	9.28	Average	10600.000	36.83	54.00	-17.17	27.55	9.28	Average
10600.000	51.46	74.00	-22.54	42.18	9.28	Peak	10600.000	50.85	74.00	-23.15	41.57	9.28	Peak
15900.000	45.54	54.00	-8.46	31.69	13.85	Average	15900.000	45.01	54.00	-8.99	31.16	13.85	Average
15900.000	58.77	74.00	-15.23	44.92	13.85	Peak	15900.000	59.00	74.00	-15.00	45.15	13.85	Peak

High CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5317.280	93.34			93.11	0.23	Average	5322.180	89.16			88.93	0.23	Average
5317.280	104.00			103.77	0.23	Peak	5322.180	99.83			99.60	0.23	Peak
5350.880	48.96	54.00	-5.04	48.74	0.22	Average	5351.440	47.38	54.00	-6.62	47.17	0.21	Average
5350.880	66.57	74.00	-7.43	66.35	0.22	Peak	5351.440	63.54	74.00	-10.46	63.33	0.21	Peak
7093.300	55.73	68.20	-12.47	50.93	4.80	Peak	7093.300	51.65	68.20	-16.55	46.85	4.80	Peak
10640.000	38.02	54.00	-15.98	28.12	9.90	Average	10640.000	37.32	54.00	-16.68	27.42	9.90	Average
10640.000	52.06	74.00	-21.94	42.16	9.90	Peak	10640.000	51.61	74.00	-22.39	41.71	9.90	Peak
15960.000	44.82	54.00	-9.18	31.17	13.65	Average	15960.000	44.84	54.00	-9.16	31.19	13.65	Average
15960.000	58.77	74.00	-15.23	45.12	13.65	Peak	15960.000	59.52	74.00	-14.48	45.87	13.65	Peak

802.11n HT20 mode:

Low CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5093.200	46.83	54.00	-7.17	46.32	0.51	Average	5137.200	46.67	54.00	-7.33	46.28	0.39	Average
5093.200	60.58	74.00	-13.42	60.07	0.51	Peak	5137.200	60.73	74.00	-13.27	60.34	0.39	Peak
5258.400	94.37			94.19	0.18	Average	5257.600	88.29			88.12	0.17	Average
5258.400	104.69			104.51	0.18	Peak	5257.600	98.91			98.74	0.17	Peak
5386.800	46.64	54.00	-7.36	46.48	0.16	Average	5405.200	46.46	54.00	-7.54	46.33	0.13	Average
5386.800	60.49	74.00	-13.51	60.33	0.16	Peak	5405.200	59.98	74.00	-14.02	59.85	0.13	Peak
7013.300	56.71	68.20	-11.49	52.51	4.20	Peak	7013.300	51.66	68.20	-16.54	47.46	4.20	Peak
10520.000	50.62	68.20	-17.58	41.78	8.84	Peak	10520.000	51.12	68.20	-17.08	42.28	8.84	Peak
15780.000	45.69	54.00	-8.31	31.66	14.03	Average	15780.000	45.83	54.00	-8.17	31.80	14.03	Average
15780.000	60.64	74.00	-13.36	46.61	14.03	Peak	15780.000	58.79	74.00	-15.21	44.76	14.03	Peak

Middle CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5066.800	46.89	54.00	-7.11	46.30	0.59	Average	5107.600	46.72	54.00	-7.28	46.25	0.47	Average
5066.800	61.80	74.00	-12.20	61.21	0.59	Peak	5107.600	60.65	74.00	-13.35	60.18	0.47	Peak
5298.400	93.44			93.25	0.19	Average	5299.200	89.66			89.45	0.21	Average
5298.400	104.25			104.06	0.19	Peak	5299.200	99.57			99.36	0.21	Peak
5390.800	46.29	54.00	-7.71	46.15	0.14	Average	5448.400	46.81	54.00	-7.19	46.54	0.27	Average
5390.800	60.58	74.00	-13.42	60.44	0.14	Peak	5448.400	60.81	74.00	-13.19	60.54	0.27	Peak
7066.700	56.43	68.20	-11.77	51.84	4.59	Peak	7066.700	52.90	68.20	-15.30	48.31	4.59	Peak
10600.000	36.89	54.00	-17.11	27.61	9.28	Average	10600.000	36.70	54.00	-17.30	27.42	9.28	Average
10600.000	49.93	74.00	-24.07	40.65	9.28	Peak	10600.000	50.03	74.00	-23.97	40.87	9.16	Peak
15900.000	45.40	54.00	-8.60	31.55	13.85	Average	15900.000	44.59	54.00	-9.41	30.74	13.85	Average
15900.000	58.85	74.00	-15.15	45.00	13.85	Peak	15900.000	57.82	74.00	-16.18	43.97	13.85	Peak

High CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5321.480	93.33			93.09	0.24	Average	5321.340	88.72			88.48	0.24	Average
5321.480	104.17			103.93	0.24	Peak	5321.340	99.42			99.18	0.24	Peak
5350.600	50.12	54.00	-3.88	49.90	0.22	Average	5350.460	47.81	54.00	-6.19	47.59	0.22	Average
5350.600	68.00	74.00	-6.00	67.78	0.22	Peak	5350.460	63.89	74.00	-10.11	63.67	0.22	Peak
7084.000	56.00	68.20	-12.20	51.26	4.74	Peak	7093.300	52.73	68.20	-15.47	47.99	4.74	Peak
10640.000	37.85	54.00	-16.15	27.95	9.90	Average	10640.000	37.57	54.00	-16.43	27.67	9.90	Average
10640.000	51.88	74.00	-22.12	41.98	9.90	Peak	10640.000	51.14	74.00	-22.86	41.24	9.90	Peak
15960.000	44.62	54.00	-9.38	30.97	13.65	Average	15960.000	44.95	54.00	-9.05	31.30	13.65	Average
15960.000	58.58	74.00	-15.42	44.93	13.65	Peak	15960.000	58.61	74.00	-15.39	44.96	13.65	Peak

802.11n HT40 mode:

Low CH												
Horizontal							Vertical					
Freq	Level	Limit	Over	Read			Freq	Level	Limit	Over	Read	
		Line	Limit	Level	Factor	Remark			Line	Limit	Level	Factor
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m
5099.600	46.80	54.00	-7.20	46.32	0.48	Average	5140.800	46.67	54.00	-7.33	46.29	0.38
5099.600	61.03	74.00	-12.97	60.55	0.48	Peak	5140.800	60.68	74.00	-13.32	60.30	0.38
5274.800	88.72			88.57	0.15	Average	5254.000	83.73			83.55	0.18
5274.800	99.95			99.80	0.15	Peak	5254.000	94.26			94.08	0.18
5444.400	46.78	54.00	-7.22	46.53	0.25	Average	5428.000	46.71	54.00	-7.29	46.53	0.18
5444.400	60.74	74.00	-13.26	60.49	0.25	Peak	5428.000	60.85	74.00	-13.15	60.67	0.18
7026.700	55.35	68.20	-12.85	51.09	4.26	Peak	7026.700	53.45	68.20	-14.75	49.19	4.26
10540.000	50.77	68.20	-17.43	41.99	8.78	Peak	10540.000	50.80	68.20	-17.40	42.02	8.78
15810.000	44.20	54.00	-9.80	30.27	13.93	Average	15810.000	44.10	54.00	-9.90	30.17	13.93
15810.000	57.90	74.00	-16.10	43.97	13.93	Peak	15810.000	59.00	74.00	-15.00	45.07	13.93

High CH												
Horizontal							Vertical					
Freq	Level	Limit	Over	Read			Freq	Level	Limit	Over	Read	
		Line	Limit	Level	Factor	Remark			Line	Limit	Level	Factor
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m
5315.600	86.45			86.22	0.23	Average	5304.400	83.16			82.95	0.21
5315.600	98.56			98.33	0.23	Peak	5304.400	94.26			94.05	0.21
5350.320	53.75	54.00	-0.25	53.53	0.22	Average	5351.280	50.48	54.00	-3.52	50.27	0.21
5350.320	70.87	74.00	-3.13	70.65	0.22	Peak	5351.280	65.86	74.00	-8.14	65.65	0.21
7080.000	54.34	68.20	-13.86	49.62	4.72	Peak	7080.000	46.09	68.20	-22.11	41.37	4.72
10620.000	37.39	54.00	-16.61	27.71	9.68	Average	10620.000	37.27	54.00	-16.73	27.59	9.68
10620.000	50.85	74.00	-23.15	41.17	9.68	Peak	10620.000	50.27	74.00	-23.73	40.59	9.68
15930.000	44.80	54.00	-9.20	31.05	13.75	Average	15930.000	45.21	54.00	-8.79	31.46	13.75
15930.000	58.81	74.00	-15.19	45.06	13.75	Peak	15930.000	58.41	74.00	-15.59	44.66	13.75

Above 1G (1 GHz-40 GHz) in UNII-2c:**802.11a mode:**

Low CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5458.740	47.21	54.00	-6.79	46.88	0.33	Average	5459.620	47.13	54.00	-6.87	46.80	0.33	Average
5458.740	62.33	74.00	-11.67	62.00	0.33	Peak	5459.620	61.63	74.00	-12.37	61.30	0.33	Peak
5502.300	89.44			88.93	0.51	Average	5502.300	86.22			85.71	0.51	Average
5502.300	100.14			99.63	0.51	Peak	5502.300	96.89			96.38	0.51	Peak
7333.300	53.69	54.00	-0.31	47.92	5.77	Average	7333.300	47.41	54.00	-6.59	41.64	5.77	Average
7333.300	56.60	74.00	-17.40	50.83	5.77	Peak	7333.300	54.56	74.00	-19.44	48.79	5.77	Peak
11000.000	37.57	54.00	-16.43	27.54	10.03	Average	11000.000	37.35	54.00	-16.65	27.32	10.03	Average
11000.000	50.08	74.00	-23.92	40.05	10.03	Peak	11000.000	50.66	74.00	-23.34	40.63	10.03	Peak
16500.000	56.36	68.20	-11.84	41.61	14.75	Peak	16500.000	56.50	68.20	-11.70	41.75	14.75	Peak

Middle CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5448.640	46.86	54.00	-7.14	46.58	0.28	Average	5412.540	46.67	54.00	-7.33	46.52	0.15	Average
5448.640	60.79	74.00	-13.21	60.51	0.28	Peak	5412.540	61.40	74.00	-12.60	61.25	0.15	Peak
5581.640	91.37			90.63	0.74	Average	5582.400	87.49			86.75	0.74	Average
5581.640	101.68			100.94	0.74	Peak	5582.400	97.92			97.18	0.74	Peak
5766.320	62.60	68.20	-5.60	61.30	1.30	Peak	5752.640	62.73	68.20	-5.47	61.45	1.28	Peak
7440.000	52.90	54.00	-1.10	46.84	6.06	Average	7440.000	48.77	54.00	-5.23	42.71	6.06	Average
7440.000	56.56	74.00	-17.44	50.50	6.06	Peak	7440.000	53.82	74.00	-20.18	47.76	6.06	Peak
11160.000	37.77	54.00	-16.23	27.54	10.23	Average	11160.000	37.72	54.00	-16.28	27.49	10.23	Average
11160.000	50.46	74.00	-23.54	40.23	10.23	Peak	11160.000	51.60	74.00	-22.40	41.37	10.23	Peak
16740.000	57.48	68.20	-10.72	41.94	15.54	Peak	16740.000	57.44	68.20	-10.76	41.90	15.54	Peak

High CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5702.210	89.30			87.98	1.32	Average	5702.210	85.73			84.41	1.32	Average
5702.210	100.15			98.83	1.32	Peak	5702.210	96.43			95.11	1.32	Peak
5725.090	68.14	68.20	-0.06	66.84	1.30	Peak	5725.530	64.70	68.20	-3.50	63.40	1.30	Peak
7600.000	49.19	54.00	-4.81	43.18	6.01	Average	7600.000	45.40	54.00	-8.60	39.39	6.01	Average
7600.000	55.15	74.00	-18.85	49.14	6.01	Peak	7600.000	52.94	74.00	-21.06	46.93	6.01	Peak
11400.000	38.41	54.00	-15.59	27.67	10.74	Average	11400.000	38.01	54.00	-15.99	27.27	10.74	Average
11400.000	50.62	74.00	-23.38	39.88	10.74	Peak	11400.000	51.01	74.00	-22.99	40.27	10.74	Peak
17100.000	58.66	68.20	-9.54	42.13	16.53	Peak	17100.000	57.85	68.20	-10.35	41.32	16.53	Peak

802.11n HT20 mode:

Low CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5459.070	47.46	54.00	-6.54	47.13	0.33	Average	5450.820	47.20	54.00	-6.80	46.91	0.29	Average
5459.070	64.11	74.00	-9.89	63.78	0.33	Peak	5450.820	62.35	74.00	-11.65	62.06	0.29	Peak
5498.230	89.35			88.85	0.50	Average	5501.420	85.89			85.38	0.51	Average
5498.230	100.04			99.54	0.50	Peak	5501.420	96.60			96.09	0.51	Peak
7333.300	53.68	54.00	-0.32	47.91	5.77	Average	7333.300	49.52	54.00	-4.48	43.75	5.77	Average
7333.300	57.25	74.00	-16.75	51.48	5.77	Peak	7333.300	53.96	74.00	-20.04	48.19	5.77	Peak
11000.000	37.86	54.00	-16.14	27.83	10.03	Average	11000.000	38.05	54.00	-15.95	28.02	10.03	Average
11000.000	51.00	74.00	-23.00	40.97	10.03	Peak	11000.000	51.11	74.00	-22.89	41.08	10.03	Peak
16500.000	56.30	68.20	-11.90	41.55	14.75	Peak	16500.000	57.26	68.20	-10.94	42.51	14.75	Peak

Middle CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5453.580	46.77	54.00	-7.23	46.47	0.30	Average	5432.680	46.74	54.00	-7.26	46.54	0.20	Average
5453.580	61.22	74.00	-12.78	60.92	0.30	Peak	5432.680	60.82	74.00	-13.18	60.62	0.20	Peak
5578.600	91.33			90.59	0.74	Average	5578.220	87.56			86.82	0.74	Average
5578.600	101.54			100.80	0.74	Peak	5578.220	98.37			97.63	0.74	Peak
5754.160	62.42	68.20	-5.78	61.14	1.28	Peak	5764.420	62.75	68.20	-5.45	61.45	1.30	Peak
7440.000	52.91	54.00	-1.09	46.85	6.06	Average	7440.000	48.57	54.00	-5.43	42.51	6.06	Average
7440.000	57.48	74.00	-16.52	51.42	6.06	Peak	7440.000	54.86	74.00	-19.14	48.80	6.06	Peak
11160.000	37.90	54.00	-16.10	27.67	10.23	Average	11160.000	38.10	54.00	-15.90	27.87	10.23	Average
11160.000	51.20	74.00	-22.80	40.97	10.23	Peak	11160.000	50.97	74.00	-23.03	40.74	10.23	Peak
16740.000	58.62	68.20	-9.58	43.08	15.54	Peak	16740.000	58.71	68.20	-9.49	43.17	15.54	Peak

High CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5701.550	88.66			87.34	1.32	Average	5701.440	85.08			83.76	1.32	Average
5701.550	99.51			98.19	1.32	Peak	5701.440	96.05			94.73	1.32	Peak
5725.200	67.59	68.20	-0.61	66.29	1.30	Peak	5729.600	64.25	68.20	-3.95	62.96	1.29	Peak
7600.000	45.62	54.00	-8.38	39.61	6.01	Average	7600.000	42.89	54.00	-11.11	36.88	6.01	Average
7600.000	51.77	74.00	-22.23	45.76	6.01	Peak	7600.000	49.82	74.00	-24.18	43.81	6.01	Peak
11400.000	38.41	54.00	-15.59	27.67	10.74	Average	11400.000	38.09	54.00	-15.91	27.35	10.74	Average
11400.000	50.64	74.00	-23.36	39.90	10.74	Peak	11400.000	50.93	74.00	-23.07	40.19	10.74	Peak
17100.000	58.36	68.20	-9.84	41.83	16.53	Peak	17100.000	58.35	68.20	-9.85	41.82	16.53	Peak

802.11n HT40 mode:

Low CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5459.410	48.10	54.00	-5.90	47.77	0.33	Average	5459.540	47.73	54.00	-6.27	47.40	0.33	Average
5459.410	63.34	74.00	-10.66	63.01	0.33	Peak	5459.540	61.93	74.00	-12.07	61.60	0.33	Peak
5504.520	82.17			81.65	0.52	Average	5515.570	79.76			79.22	0.54	Average
5504.520	93.35			92.83	0.52	Peak	5515.570	91.32			90.78	0.54	Peak
7346.700	53.61	54.00	-0.39	47.80	5.81	Average	7346.700	49.19	54.00	-4.81	43.38	5.81	Average
7346.700	57.39	74.00	-16.61	51.58	5.81	Peak	7346.700	53.14	74.00	-20.86	47.33	5.81	Peak
11020.000	37.66	54.00	-16.34	27.53	10.13	Average	11020.000	37.41	54.00	-16.59	27.28	10.13	Average
11020.000	51.04	74.00	-22.96	40.91	10.13	Peak	11020.000	50.61	74.00	-23.39	40.48	10.13	Peak
16522.000	56.40	68.20	-11.80	41.59	14.81	Peak	16530.000	55.84	68.20	-12.36	41.01	14.83	Peak

Middle CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5450.920	47.06	54.00	-6.94	46.77	0.29	Average	5434.960	46.92	54.00	-7.08	46.71	0.21	Average
5450.920	61.30	74.00	-12.70	61.01	0.29	Peak	5434.960	61.03	74.00	-12.97	60.82	0.21	Peak
5555.800	83.64			82.98	0.66	Average	5554.660	80.79			80.13	0.66	Average
5555.800	95.39			94.73	0.66	Peak	5554.660	91.51			90.85	0.66	Peak
5768.220	63.28	68.20	-4.92	61.97	1.31	Peak	5765.560	62.89	68.20	-5.31	61.58	1.31	Peak
7400.000	53.47	54.00	-0.53	47.50	5.97	Average	7400.000	48.39	54.00	-5.61	42.42	5.97	Average
7400.000	56.34	74.00	-17.66	50.37	5.97	Peak	7400.000	51.91	74.00	-22.09	45.94	5.97	Peak
11100.000	37.02	54.00	-16.98	26.65	10.37	Average	11100.000	37.58	54.00	-16.42	27.21	10.37	Average
11100.000	51.23	74.00	-22.77	40.86	10.37	Peak	11100.000	51.14	74.00	-22.86	40.77	10.37	Peak
16639.000	57.70	68.20	-10.50	42.72	14.98	Peak	16650.000	56.92	68.20	-11.28	41.91	15.01	Peak

High CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5653.150	86.12			85.07	1.05	Average	5675.650	81.94			80.75	1.19	Average
5653.150	97.42			96.37	1.05	Peak	5675.650	93.09			91.90	1.19	Peak
5726.800	64.52	68.20	-3.68	63.23	1.29	Peak	5735.500	63.57	68.20	-4.63	62.28	1.29	Peak
7560.000	51.81	54.00	-2.19	45.72	6.09	Average	7560.000	47.32	54.00	-6.68	41.23	6.09	Average
7560.000	55.76	74.00	-18.24	49.67	6.09	Peak	7560.000	51.98	74.00	-22.02	45.89	6.09	Peak
11340.000	38.28	54.00	-15.72	27.82	10.46	Average	11340.000	38.41	54.00	-15.59	27.95	10.46	Average
11340.000	51.74	74.00	-22.26	41.28	10.46	Peak	11340.000	51.18	74.00	-22.82	40.72	10.46	Peak
17010.000	57.82	68.20	-10.38	42.24	15.58	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							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5620.440	62.09	68.20	-6.11	61.24	0.85	Peak	5642.040	61.58	68.20	-6.62	60.61	0.97	Peak
5671.920	62.11	84.46	-22.35	60.94	1.17	Peak	5680.560	62.78	90.85	-28.07	61.55	1.23	Peak
5719.080	70.97	110.54	-39.57	69.67	1.30	Peak	5719.080	68.52	110.54	-42.02	67.22	1.30	Peak
5747.160	101.97			100.69	1.28	Peak	5747.520	99.37			98.09	1.28	Peak
5855.160	63.86	110.76	-46.90	61.98	1.88	Peak	5868.480	64.08	107.02	-42.94	62.04	2.04	Peak
5905.920	64.70	82.28	-17.58	62.25	2.45	Peak	5891.520	64.23	92.94	-28.71	61.91	2.32	Peak
5953.800	64.22	68.20	-3.98	61.77	2.45	Peak	5944.080	64.11	68.20	-4.09	61.65	2.46	Peak
7660.000	49.18	54.00	-4.82	43.16	6.02	Average	7660.000	45.36	54.00	-8.64	39.34	6.02	Average
7660.000	54.79	74.00	-19.21	48.77	6.02	Peak	7660.000	52.15	74.00	-21.85	46.13	6.02	Peak
11490.000	37.99	54.00	-16.01	27.29	10.70	Average	11490.000	38.16	54.00	-15.84	27.46	10.70	Average
11490.000	51.10	74.00	-22.90	40.40	10.70	Peak	11490.000	51.22	74.00	-22.78	40.52	10.70	Peak
17235.000	58.10	68.20	-10.10	41.13	16.97	Peak	17235.000	58.50	68.20	-9.70	41.53	16.97	Peak

Middle CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5640.600	61.59	68.20	-6.61	60.63	0.96	Peak	5612.160	61.75	68.20	-6.45	60.94	0.81	Peak
5697.480	62.57	103.34	-40.77	61.25	1.32	Peak	5697.120	62.40	103.08	-40.68	61.08	1.32	Peak
5706.480	62.39	107.02	-44.63	61.07	1.32	Peak	5717.280	62.63	110.04	-47.41	61.32	1.31	Peak
5787.840	101.44			100.11	1.33	Peak	5787.480	98.92			97.60	1.32	Peak
5855.880	64.46	110.55	-46.09	62.56	1.90	Peak	5865.240	64.66	107.93	-43.27	62.65	2.01	Peak
5896.560	65.58	89.21	-23.63	63.20	2.38	Peak	5902.320	64.20	84.94	-20.74	61.77	2.43	Peak
5926.800	65.04	68.20	-3.16	62.56	2.48	Peak	5937.960	64.28	68.20	-3.92	61.80	2.48	Peak
7713.300	49.84	54.00	-4.16	43.65	6.19	Average	7713.300	46.26	54.00	-7.74	40.07	6.19	Average
7713.300	54.85	74.00	-19.15	48.66	6.19	Peak	7713.300	52.46	74.00	-21.54	46.27	6.19	Peak
11570.000	38.10	54.00	-15.90	27.34	10.76	Average	11570.000	38.80	54.00	-15.20	28.04	10.76	Average
11570.000	50.76	74.00	-23.24	40.00	10.76	Peak	11570.000	50.86	74.00	-23.14	40.10	10.76	Peak
17355.000	58.83	68.20	-9.37	41.12	17.71	Peak	17355.000	59.82	68.20	-8.38	42.11	17.71	Peak

High CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5646.720	61.78	68.20	-6.42	60.78	1.00	Peak	5616.480	61.76	68.20	-6.44	60.93	0.83	Peak
5685.600	62.10	94.58	-32.48	60.84	1.26	Peak	5683.800	62.15	93.25	-31.10	60.91	1.24	Peak
5702.880	62.94	106.01	-43.07	61.62	1.32	Peak	5705.400	62.02	106.71	-44.69	60.69	1.33	Peak
5822.400	102.89			101.38	1.51	Peak	5827.440	98.83			97.28	1.55	Peak
5855.520	72.90	110.65	-37.75	71.01	1.89	Peak	5855.160	70.46	110.76	-40.30	68.58	1.88	Peak
5888.280	64.87	95.34	-30.47	62.59	2.28	Peak	5895.840	64.71	89.74	-25.03	62.33	2.38	Peak
5962.440	65.01	68.20	-3.19	62.57	2.44	Peak	5958.480	64.73	68.20	-3.47	62.28	2.45	Peak
7766.700	54.34	68.20	-13.86	48.14	6.20	Peak	7766.700	52.46	68.20	-15.74	46.26	6.20	Peak
11650.000	38.31	54.00	-15.69	27.41	10.90	Average	11650.000	38.00	54.00	-16.00	27.10	10.90	Average
11650.000	50.54	74.00	-23.46	39.64	10.90	Peak	11650.000	51.09	74.00	-22.91	40.19	10.90	Peak
17458.000	59.08	68.20	-9.12	41.07	18.01	Peak	17458.000	58.99	68.20	-9.21	40.98	18.01	Peak

802.11n HT20 mode:

Low CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5644.920	61.62	68.20	-6.58	60.63	0.99	Peak	5637.000	61.32	68.20	-6.88	60.38	0.94	Peak
5695.320	62.27	101.75	-39.48	60.96	1.31	Peak	5669.040	61.97	82.33	-20.36	60.82	1.15	Peak
5719.800	71.33	110.74	-39.41	70.03	1.30	Peak	5719.800	66.82	110.74	-43.92	65.52	1.30	Peak
5743.200	102.50			101.22	1.28	Peak	5748.600	98.75			97.47	1.28	Peak
5868.840	64.63	106.92	-42.29	62.58	2.05	Peak	5871.360	64.00	106.22	-42.22	61.92	2.08	Peak
5899.440	64.64	87.08	-22.44	62.22	2.42	Peak	5905.920	64.61	82.28	-17.67	62.16	2.45	Peak
5942.280	64.53	68.20	-3.67	62.05	2.48	Peak	5948.760	64.41	68.20	-3.79	61.96	2.45	Peak
7660.000	49.28	54.00	-4.72	43.26	6.02	Average	7660.000	45.29	54.00	-8.71	39.27	6.02	Average
7660.000	55.29	74.00	-18.71	49.27	6.02	Peak	7660.000	52.40	74.00	-21.60	46.38	6.02	Peak
11490.000	37.88	54.00	-16.12	27.18	10.70	Average	11490.000	38.04	54.00	-15.96	27.34	10.70	Average
11490.000	50.67	74.00	-23.33	39.97	10.70	Peak	11490.000	51.06	74.00	-22.94	40.36	10.70	Peak
17235.000	58.68	68.20	-9.52	41.71	16.97	Peak	17235.000	58.03	68.20	-10.17	41.06	16.97	Peak

Middle CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5639.880	61.39	68.20	-6.81	60.44	0.95	Peak	5642.760	61.52	68.20	-6.68	60.54	0.98	Peak
5686.320	61.62	95.11	-33.49	60.36	1.26	Peak	5693.520	62.56	100.42	-37.86	61.27	1.29	Peak
5717.280	62.07	110.04	-47.97	60.76	1.31	Peak	5713.320	62.97	108.93	-45.96	61.66	1.31	Peak
5788.560	102.24			100.91	1.33	Peak	5782.800	98.73			97.40	1.33	Peak
5868.480	63.48	107.02	-43.54	61.44	2.04	Peak	5867.400	63.97	107.33	-43.36	61.94	2.03	Peak
5914.920	64.73	75.63	-10.90	62.27	2.46	Peak	5906.640	64.75	81.75	-17.00	62.31	2.44	Peak
5926.080	64.83	68.20	-3.37	62.35	2.48	Peak	5931.480	64.17	68.20	-4.03	61.68	2.49	Peak
7713.300	49.77	54.00	-4.23	43.58	6.19	Average	7713.300	45.69	54.00	-8.31	39.50	6.19	Average
7713.300	54.95	74.00	-19.05	48.76	6.19	Peak	7713.300	53.73	74.00	-20.27	47.54	6.19	Peak
11570.000	38.01	54.00	-15.99	27.25	10.76	Average	11570.000	38.23	54.00	-15.77	27.47	10.76	Average
11570.000	51.29	74.00	-22.71	40.53	10.76	Peak	11570.000	51.42	74.00	-22.58	40.66	10.76	Peak
17355.000	59.88	68.20	-8.32	42.17	17.71	Peak	17355.000	59.10	68.20	-9.10	41.39	17.71	Peak

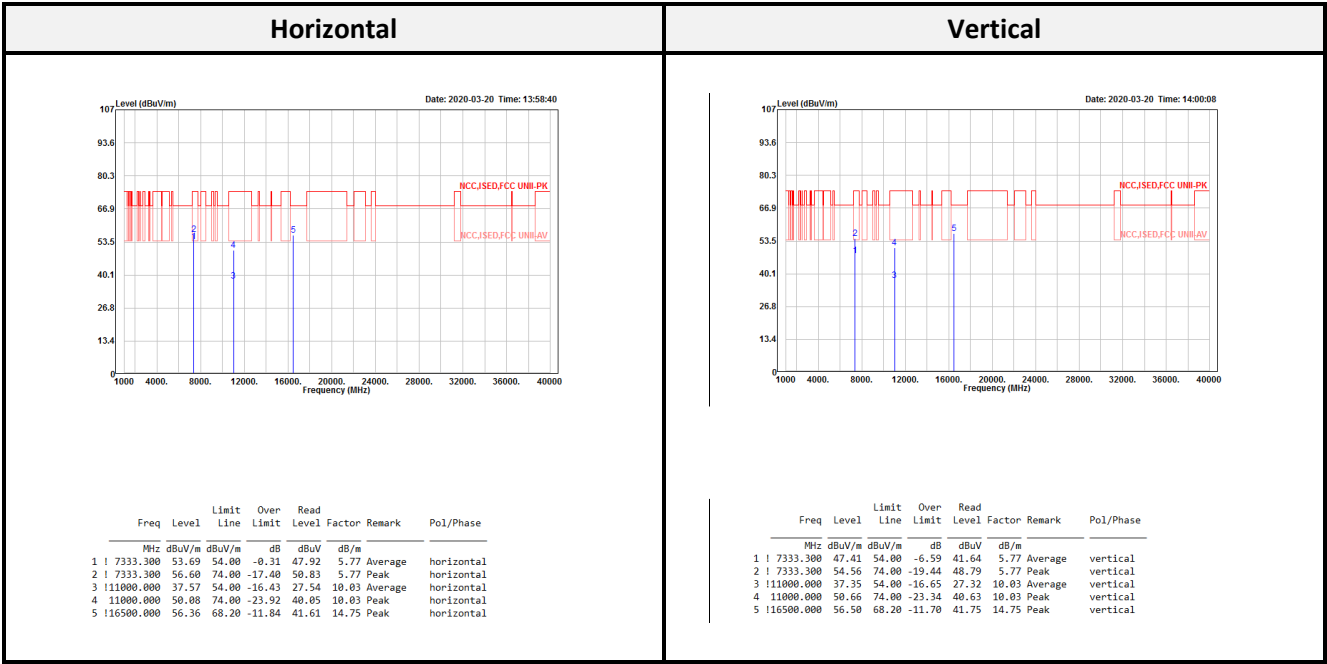
High CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5633.400	61.33	68.20	-6.87	60.42	0.91	Peak	5632.680	61.71	68.20	-6.49	60.80	0.91	Peak
5686.680	62.03	95.38	-33.35	60.77	1.26	Peak	5691.360	62.46	98.83	-36.37	61.17	1.29	Peak
5716.560	61.96	109.84	-47.88	60.65	1.31	Peak	5709.720	62.48	107.92	-45.44	61.16	1.32	Peak
5823.480	102.64			101.13	1.51	Peak	5828.160	98.96			97.41	1.55	Peak
5855.880	71.60	110.55	-38.95	69.70	1.90	Peak	5858.040	67.07	109.95	-42.88	65.15	1.92	Peak
5902.320	64.80	84.94	-20.14	62.37	2.43	Peak	5898.360	64.70	87.87	-23.17	62.30	2.40	Peak
5939.400	64.06	68.20	-4.14	61.59	2.47	Peak	5939.400	64.78	68.20	-3.42	62.31	2.47	Peak
7766.700	54.77	68.20	-13.43	48.57	6.20	Peak	7766.700	53.06	68.20	-15.14	46.86	6.20	Peak
11650.000	37.92	54.00	-16.08	27.02	10.90	Average	11650.000	37.70	54.00	-16.30	26.80	10.90	Average
11650.000	51.21	74.00	-22.79	40.31	10.90	Peak	11650.000	51.70	74.00	-22.30	40.80	10.90	Peak
17475.000	59.10	68.20	-9.10	41.04	18.06	Peak	17475.000	58.57	68.20	-9.63	40.51	18.06	Peak

802.11n HT40 mode:

Low CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5637.720	61.54	68.20	-6.66	60.60	0.94	Peak	5635.920	61.47	68.20	-6.73	60.54	0.93	Peak
5689.200	62.40	97.24	-34.84	61.13	1.27	Peak	5663.640	62.26	78.33	-16.07	61.15	1.11	Peak
5718.720	71.95	110.44	-38.49	70.64	1.31	Peak	5719.440	68.49	110.64	-42.15	67.19	1.30	Peak
5760.480	97.82			96.52	1.30	Peak	5764.080	94.06			92.77	1.29	Peak
5870.280	63.83	106.52	-42.69	61.76	2.07	Peak	5860.560	63.67	109.24	-45.57	61.71	1.96	Peak
5884.680	65.22	98.01	-32.79	62.98	2.24	Peak	5914.560	64.41	75.90	-11.49	61.96	2.45	Peak
5933.280	64.71	68.20	-3.49	62.22	2.49	Peak	5943.360	64.62	68.20	-3.58	62.15	2.47	Peak
7673.300	52.61	54.00	-1.39	46.52	6.09	Average	7673.300	48.95	54.00	-5.05	42.86	6.09	Average
7673.300	55.67	74.00	-18.33	49.58	6.09	Peak	7673.300	53.55	74.00	-20.45	47.46	6.09	Peak
11510.000	38.40	54.00	-15.60	27.67	10.73	Average	11510.000	38.35	54.00	-15.65	27.62	10.73	Average
11510.000	50.80	74.00	-23.20	40.07	10.73	Peak	11510.000	51.00	74.00	-23.00	40.27	10.73	Peak
17265.000	59.04	68.20	-9.16	41.95	17.09	Peak	17265.000	58.53	68.20	-9.67	41.44	17.09	Peak

High CH													
Horizontal							Vertical						
Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Remark
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
5644.200	61.68	68.20	-6.52	60.70	0.98	Peak	5613.240	61.50	68.20	-6.70	60.68	0.82	Peak
5696.040	62.27	102.28	-40.01	60.96	1.31	Peak	5687.760	61.71	96.17	-34.46	60.44	1.27	Peak
5702.880	62.40	106.01	-43.61	61.08	1.32	Peak	5718.360	62.44	110.34	-47.90	61.13	1.31	Peak
5798.640	98.32			97.01	1.31	Peak	5801.520	94.11			92.78	1.33	Peak
5856.960	64.07	110.25	-46.18	62.17	1.90	Peak	5875.680	64.17	104.69	-40.52	62.04	2.13	Peak
5922.840	64.05	69.79	-5.74	61.57	2.48	Peak	5920.680	64.52	71.38	-6.86	62.05	2.47	Peak
5944.080	64.92	68.20	-3.28	62.46	2.46	Peak	5948.400	63.90	68.20	-4.30	61.44	2.46	Peak
7726.700	52.08	54.00	-1.92	45.86	6.22	Average	7726.700	47.73	54.00	-6.27	41.51	6.22	Average
7726.700	55.95	74.00	-18.05	49.73	6.22	Peak	7726.700	52.98	74.00	-21.02	46.76	6.22	Peak
11590.000	38.31	54.00	-15.69	27.54	10.77	Average	11590.000	38.46	54.00	-15.54	27.69	10.77	Average
11590.000	51.77	74.00	-22.23	41.00	10.77	Peak	11590.000	50.77	74.00	-23.23	40.00	10.77	Peak
17385.000	58.77	68.20	-9.43	40.98	17.79	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



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 $1.76 + 10 \log_{10} B$, 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 $10 + 10 \log_{10} B$, 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	/

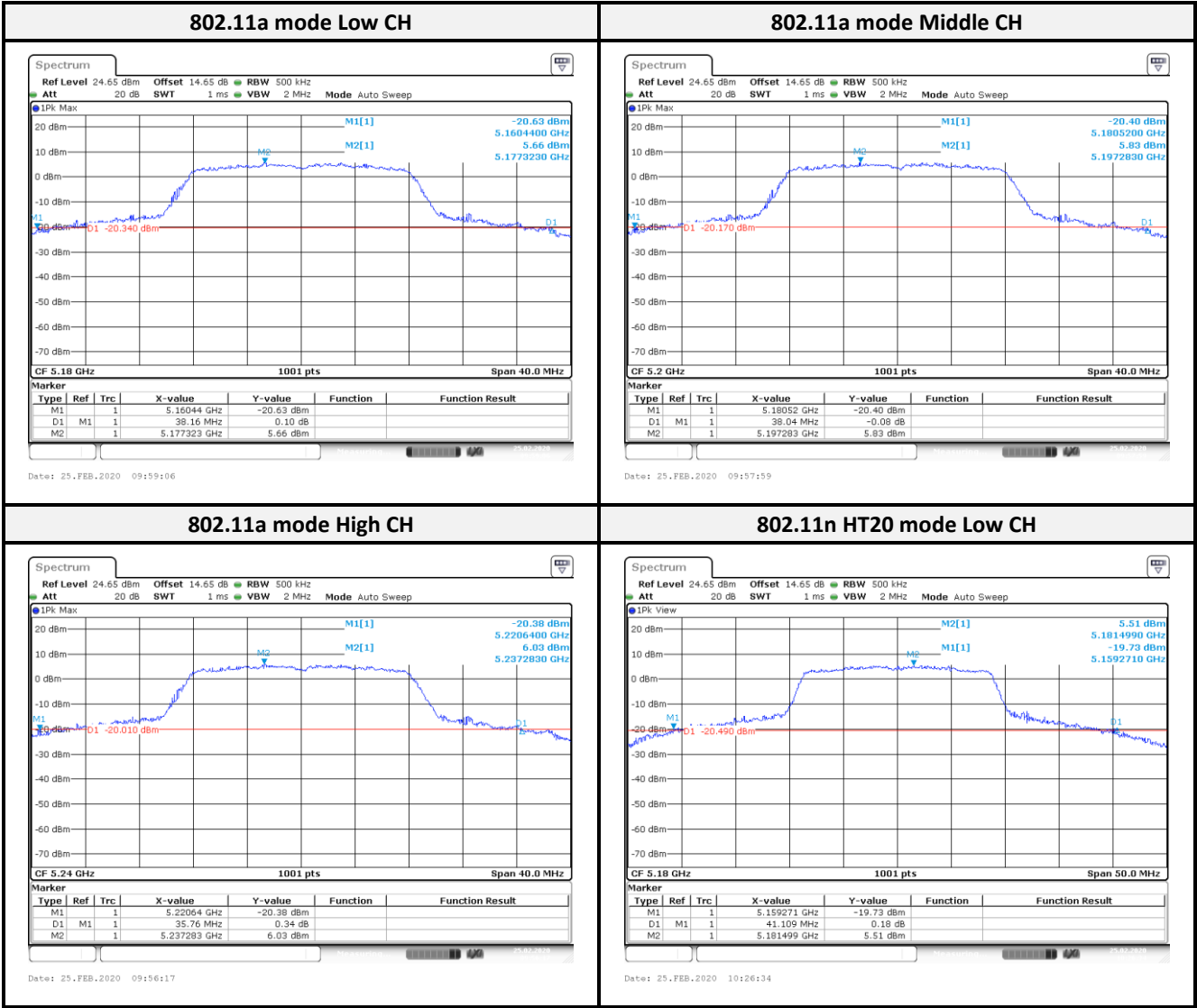
***Statement of Traceability:** The testing equipment's listed above have finished the calibration by Electronics Testing Center, Taiwan (ETC) or other laboratories which were accredited by TAF or equivalent organizations. The calibration result could be traceable to the International System of Units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

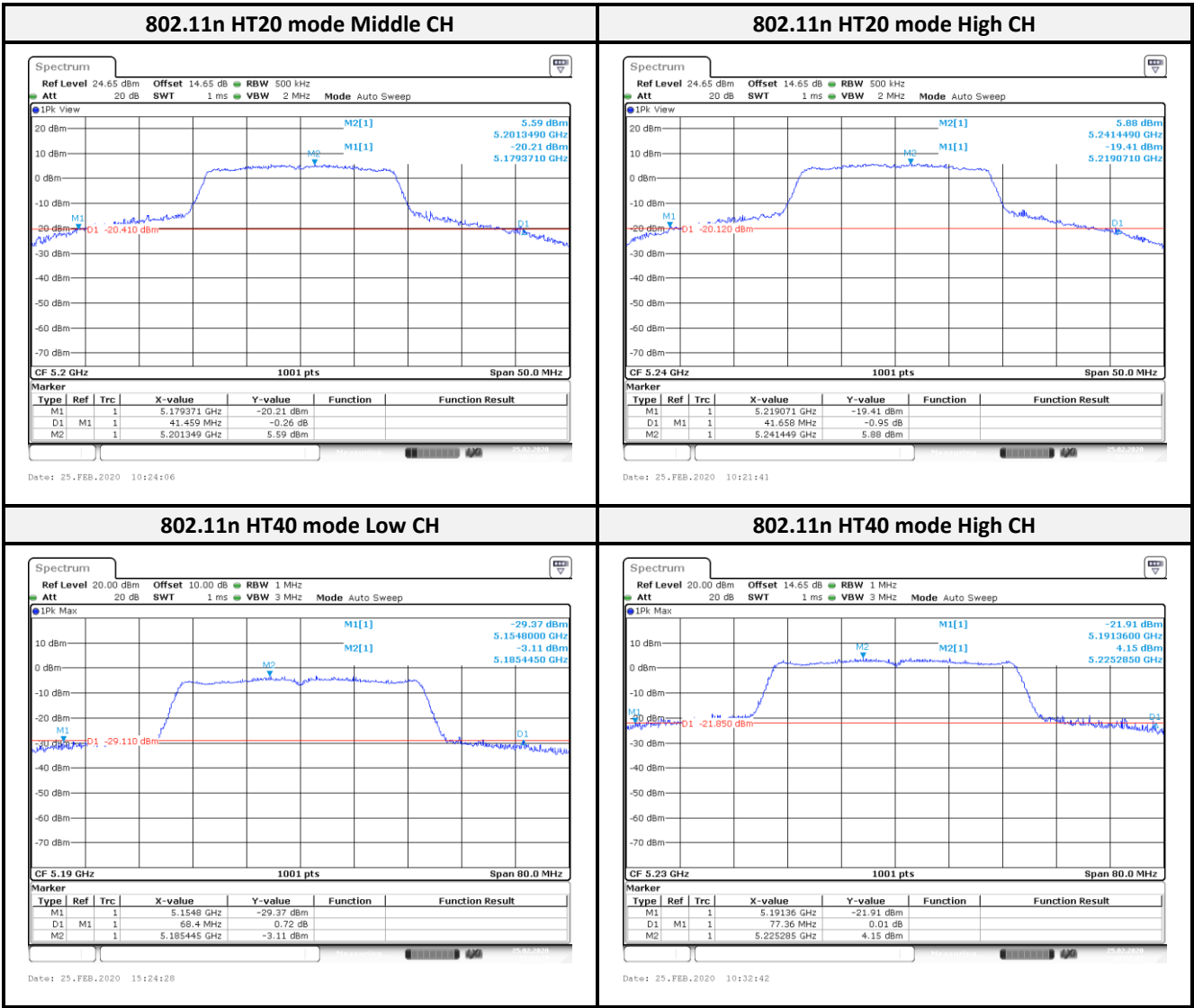
9.4 Test Data and Test Plot

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

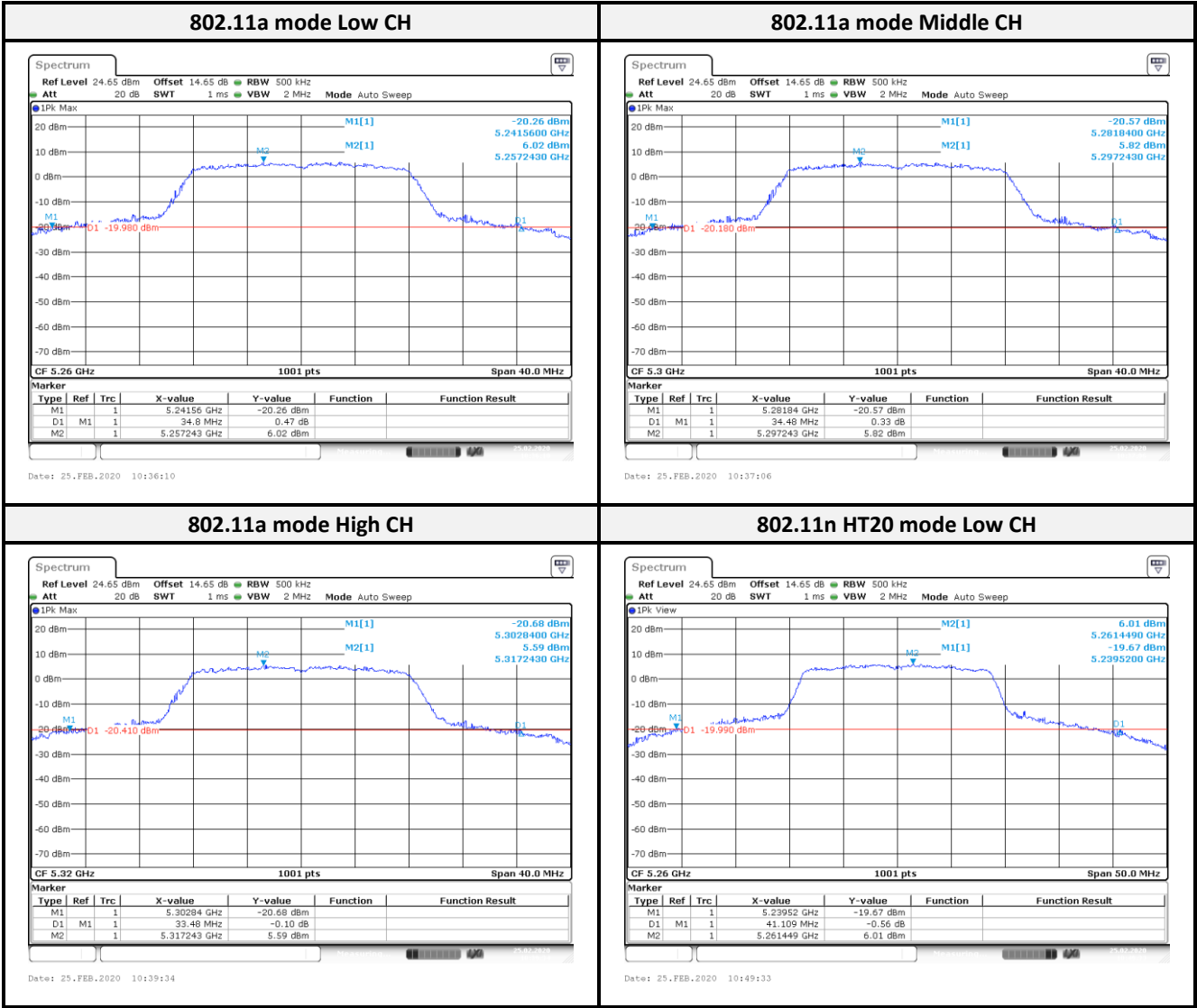
Band	Configuration	Channel	Frequency (MHz)	99% OBW (MHz)	6 dB BW (MHz)	Limit (kHz)
UNII-3	IEEE 802.11a	149	5745	21.58	16.32	> 500
		157	5785	21.54	16.32	
		165	5825	21.30	16.32	
	IEEE 802.11n HT20	149	5745	22.62	17.16	
		157	5785	23.14	17.32	
		165	5825	23.58	17.32	
	IEEE 802.11n HT40	151	5755	37.24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

6 dB and 26 dB Bandwidth
For UNII-1

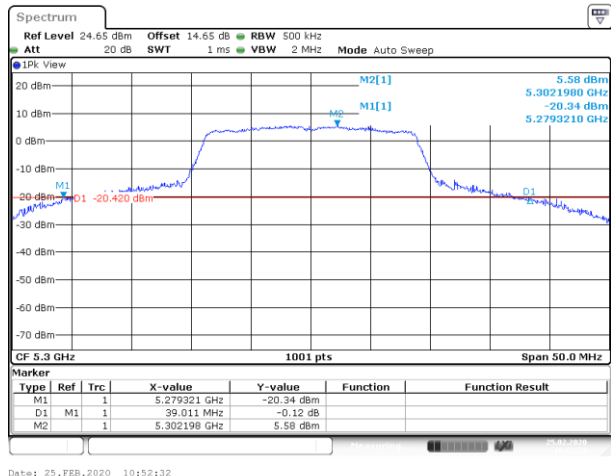




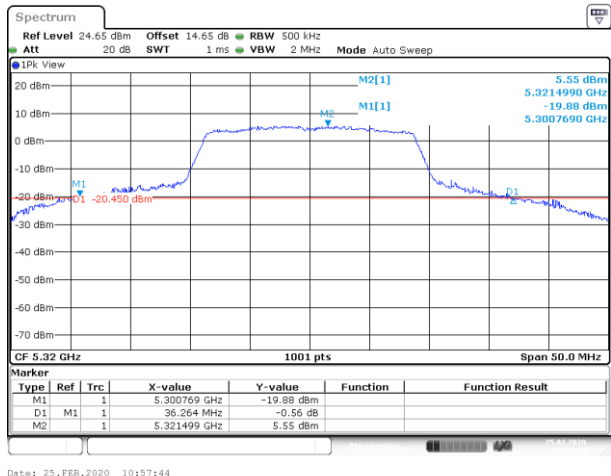
For UNII-2a



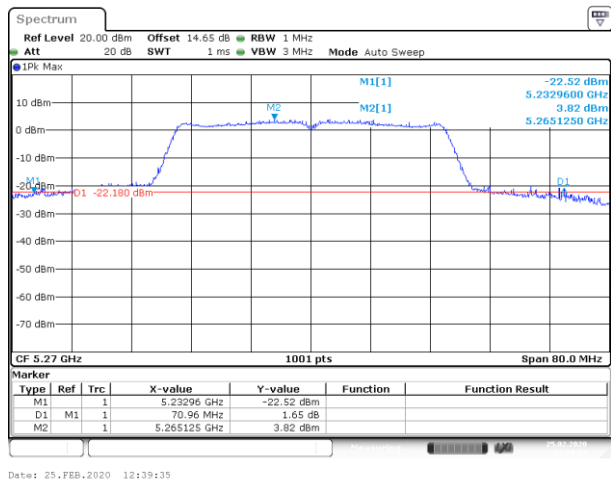
802.11n HT20 mode Middle CH



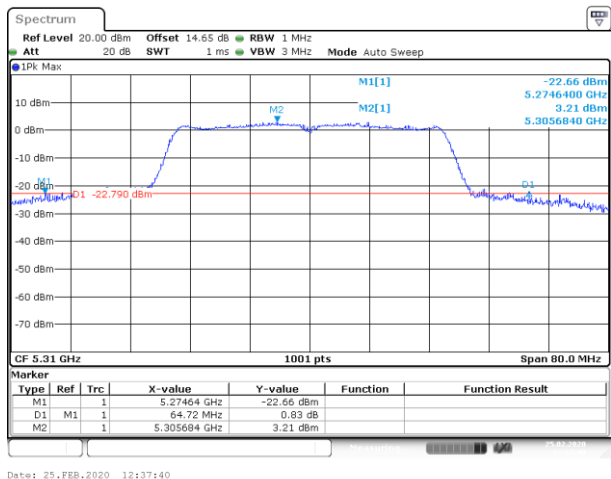
802.11n HT20 mode High CH



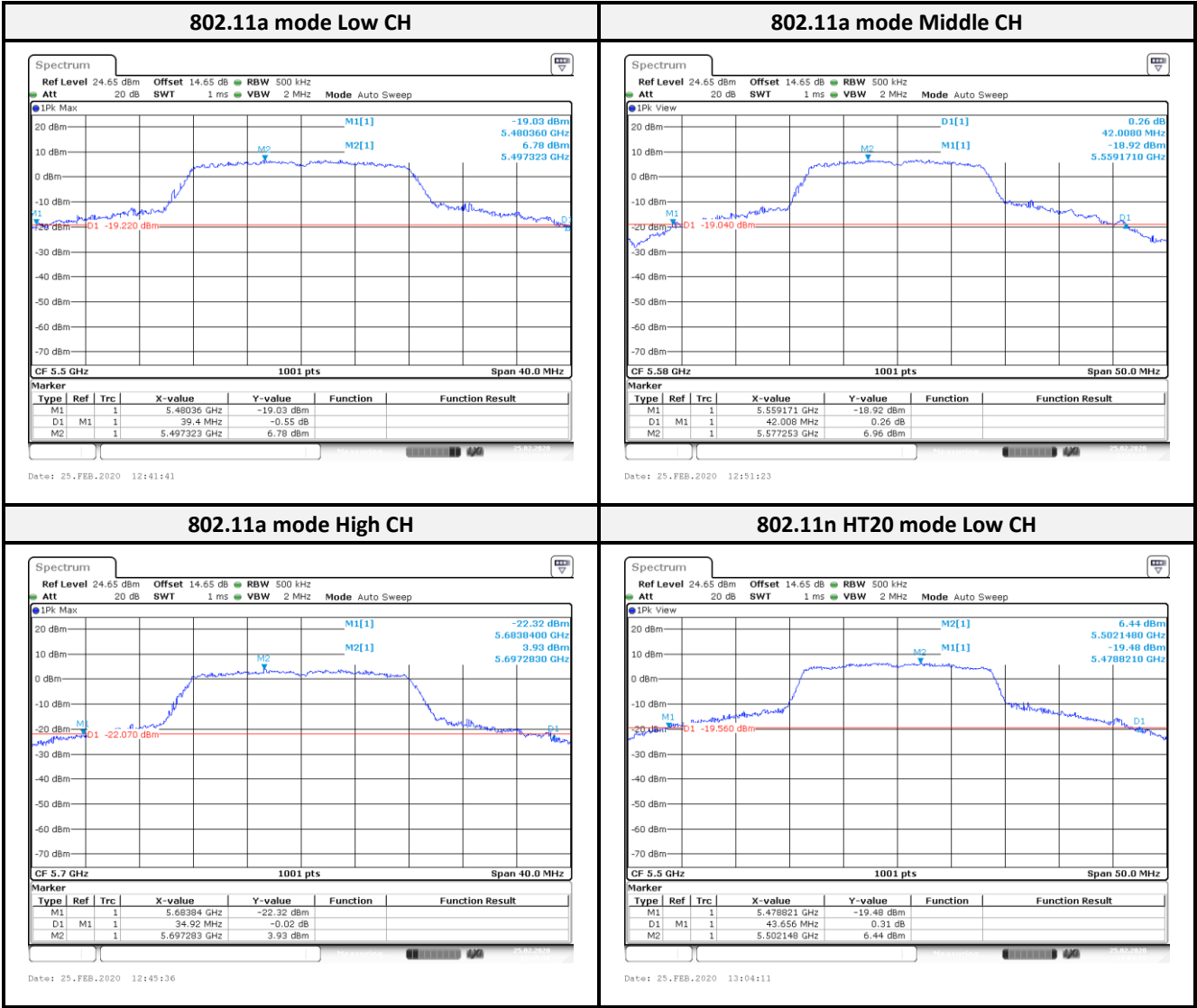
802.11n HT40 mode Low CH



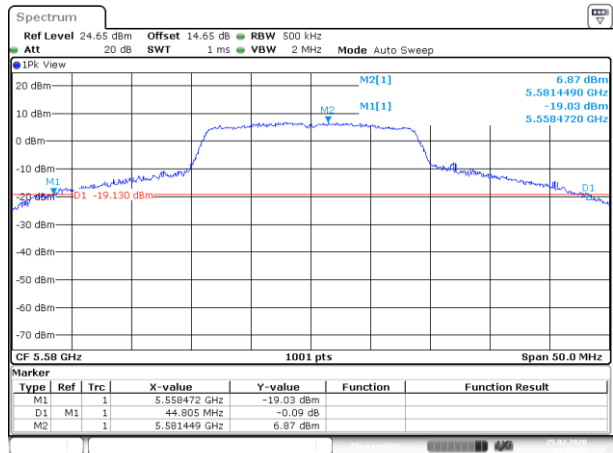
802.11n HT40 mode High CH



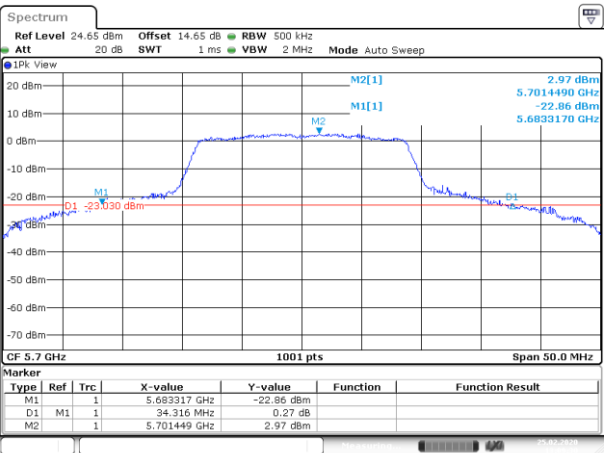
For UNII-2c



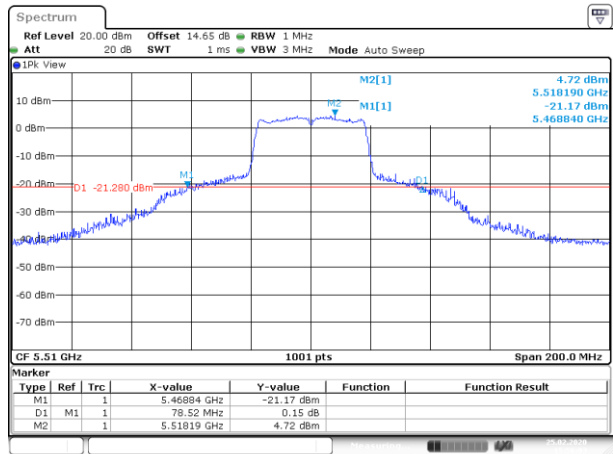
802.11n HT20 mode Middle CH



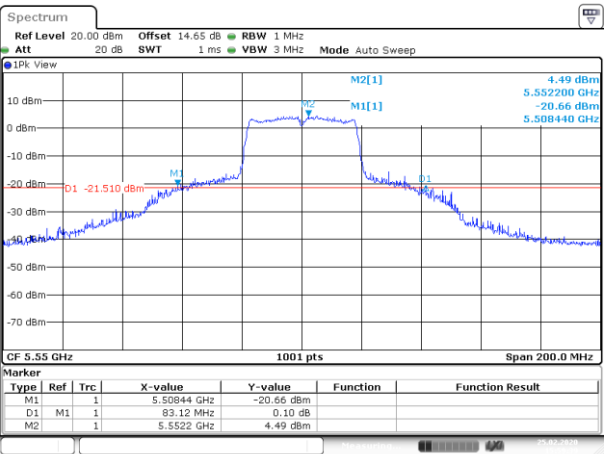
802.11n HT20 mode High CH



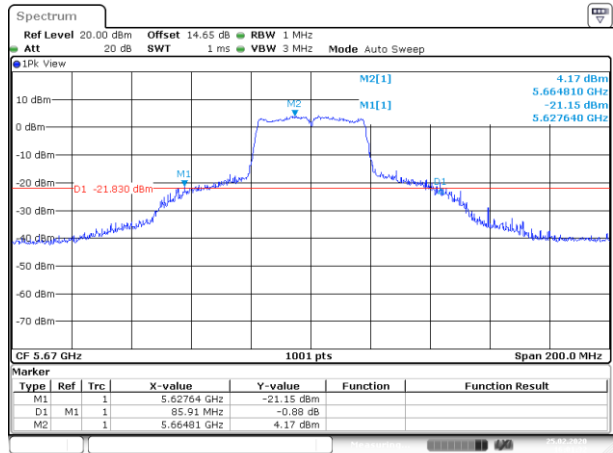
802.11n HT40 mode Low CH



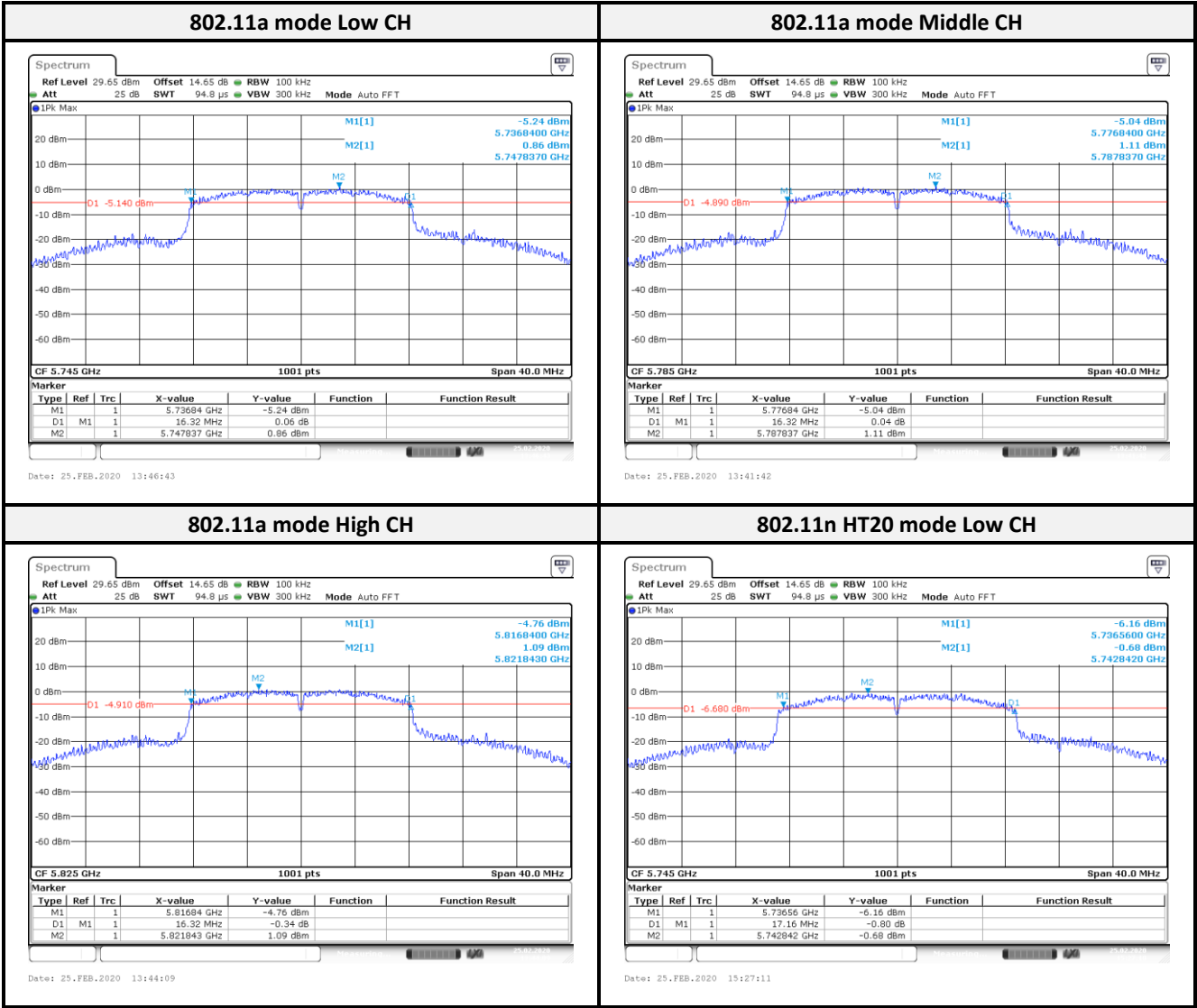
802.11n HT40 mode Middle CH

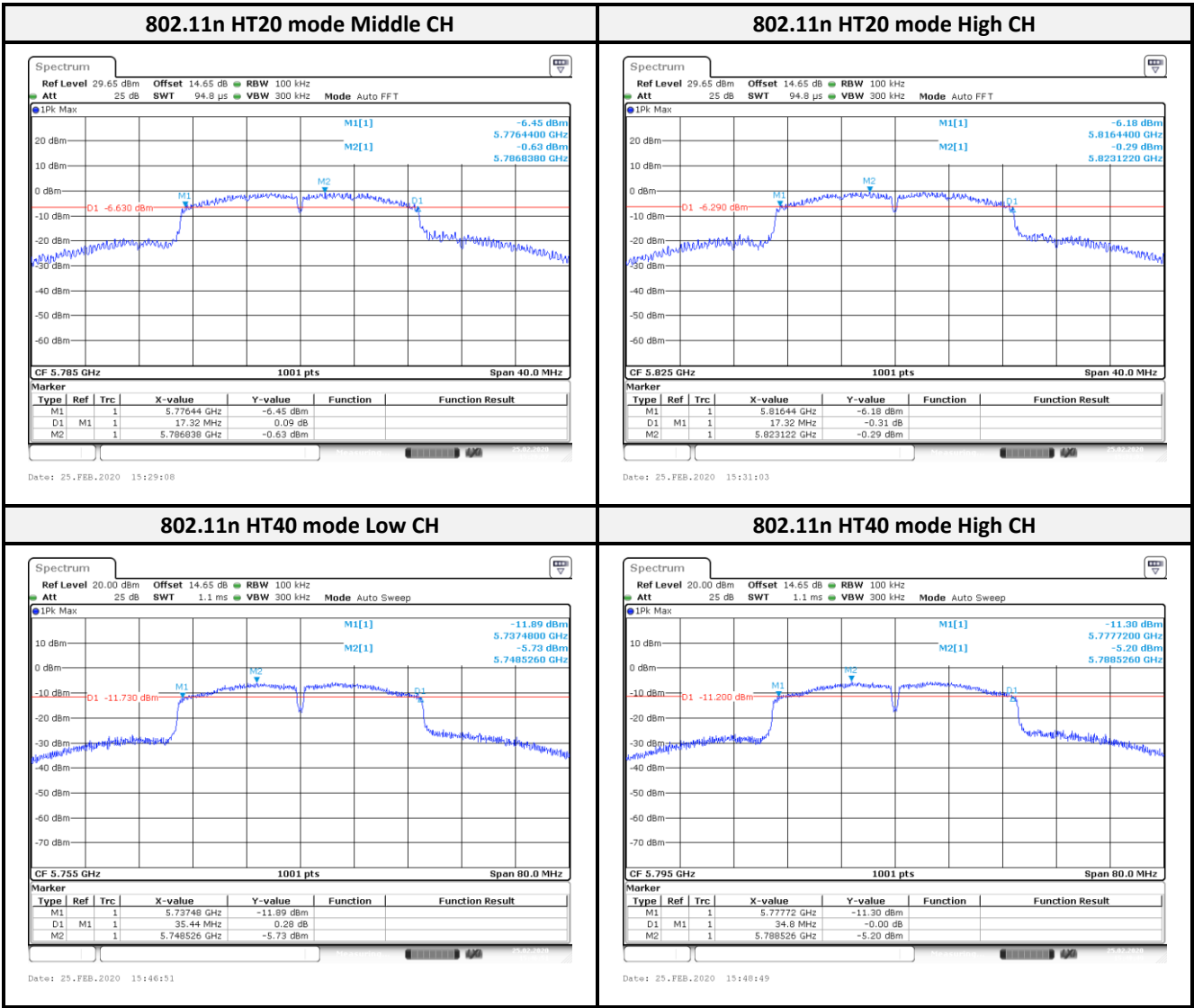


802.11n HT40 mode High CH

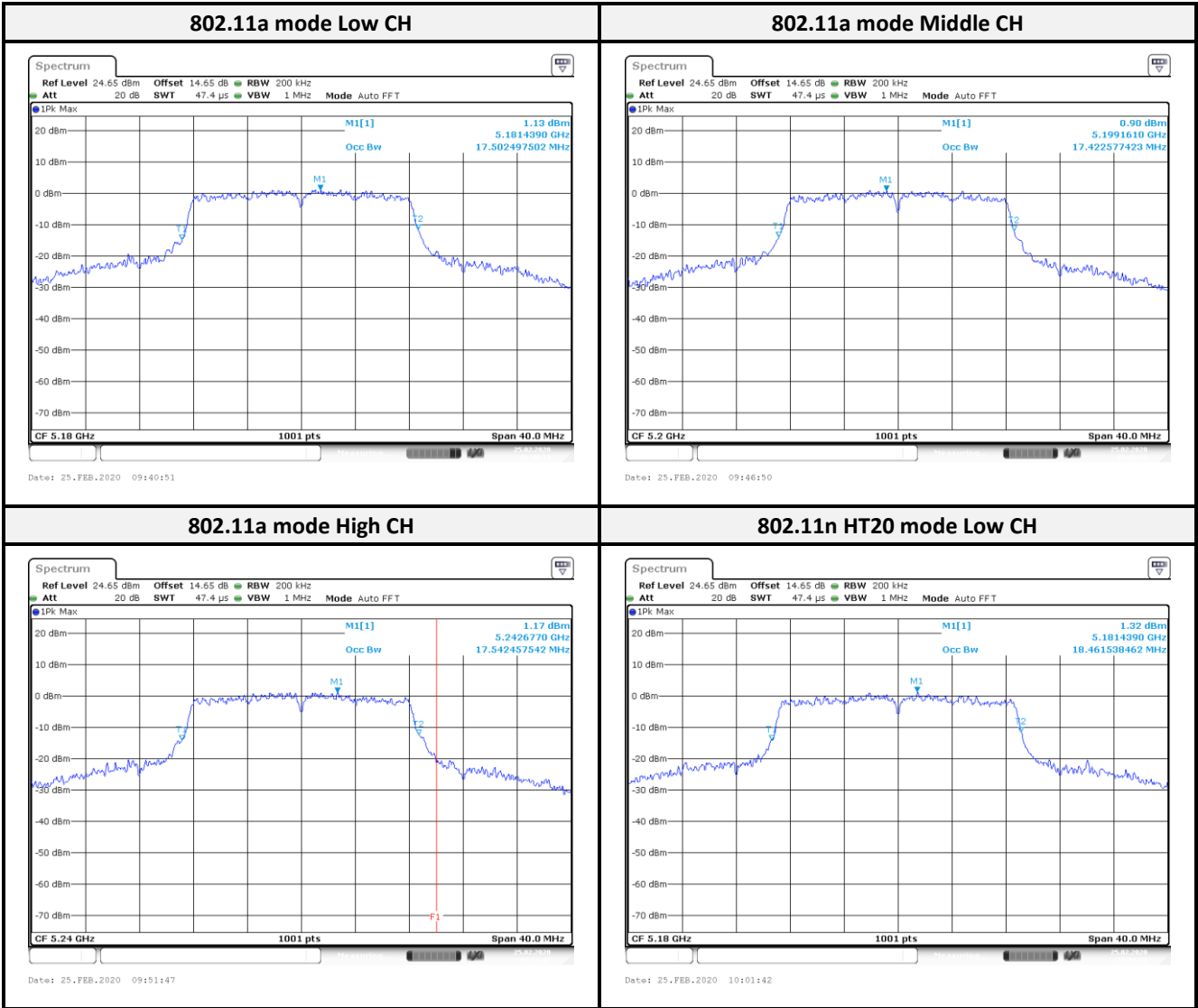


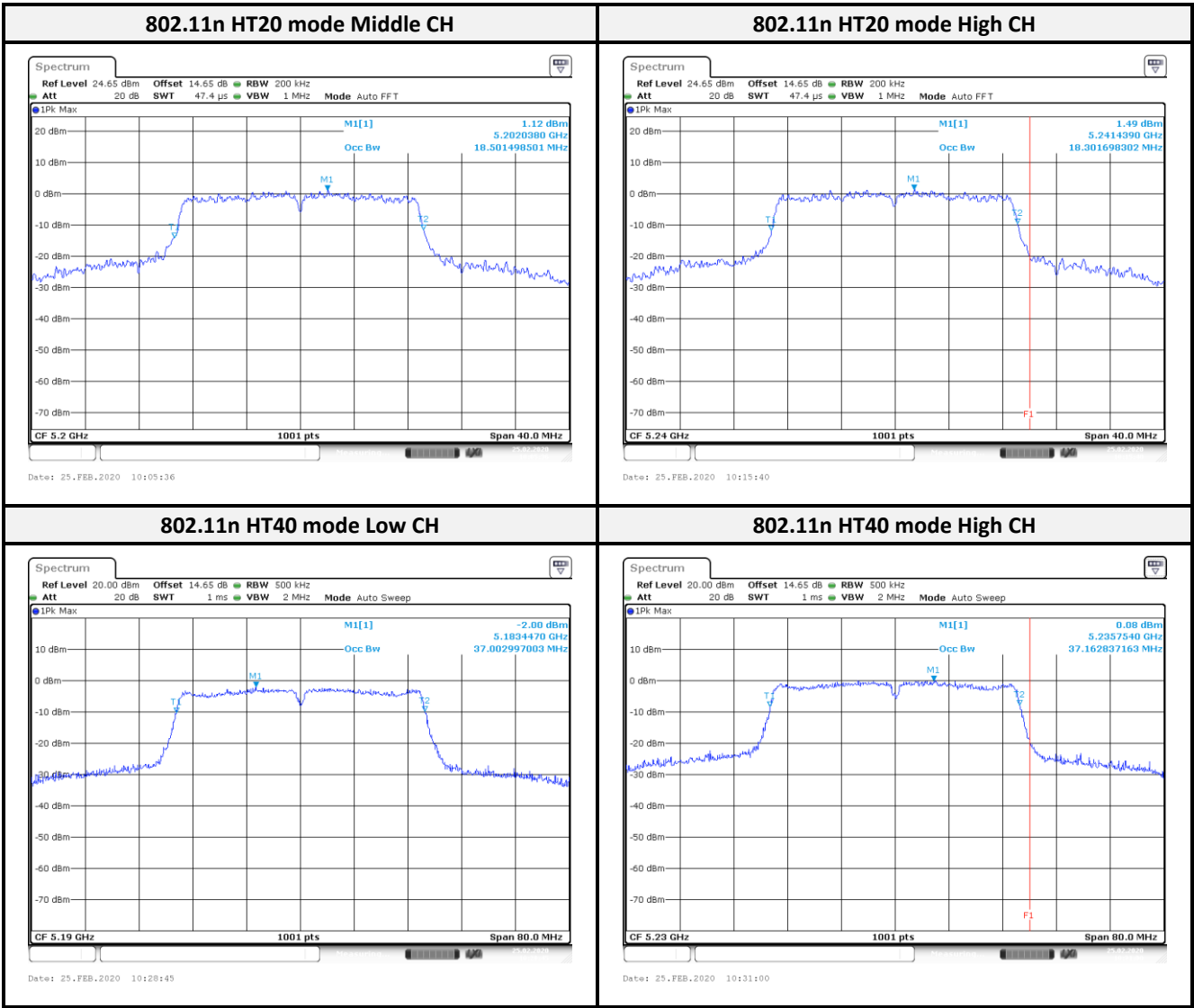
For UNII-3



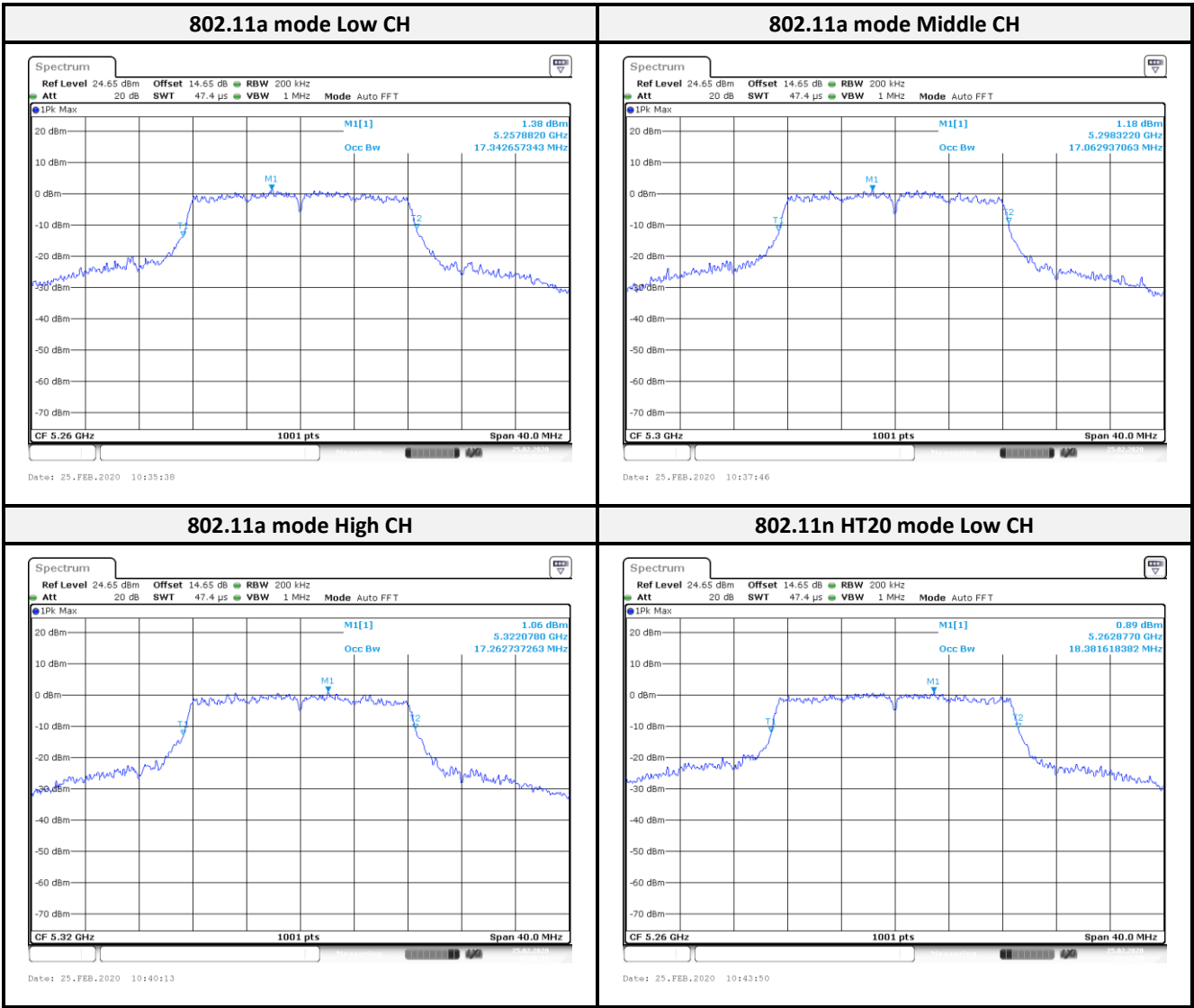


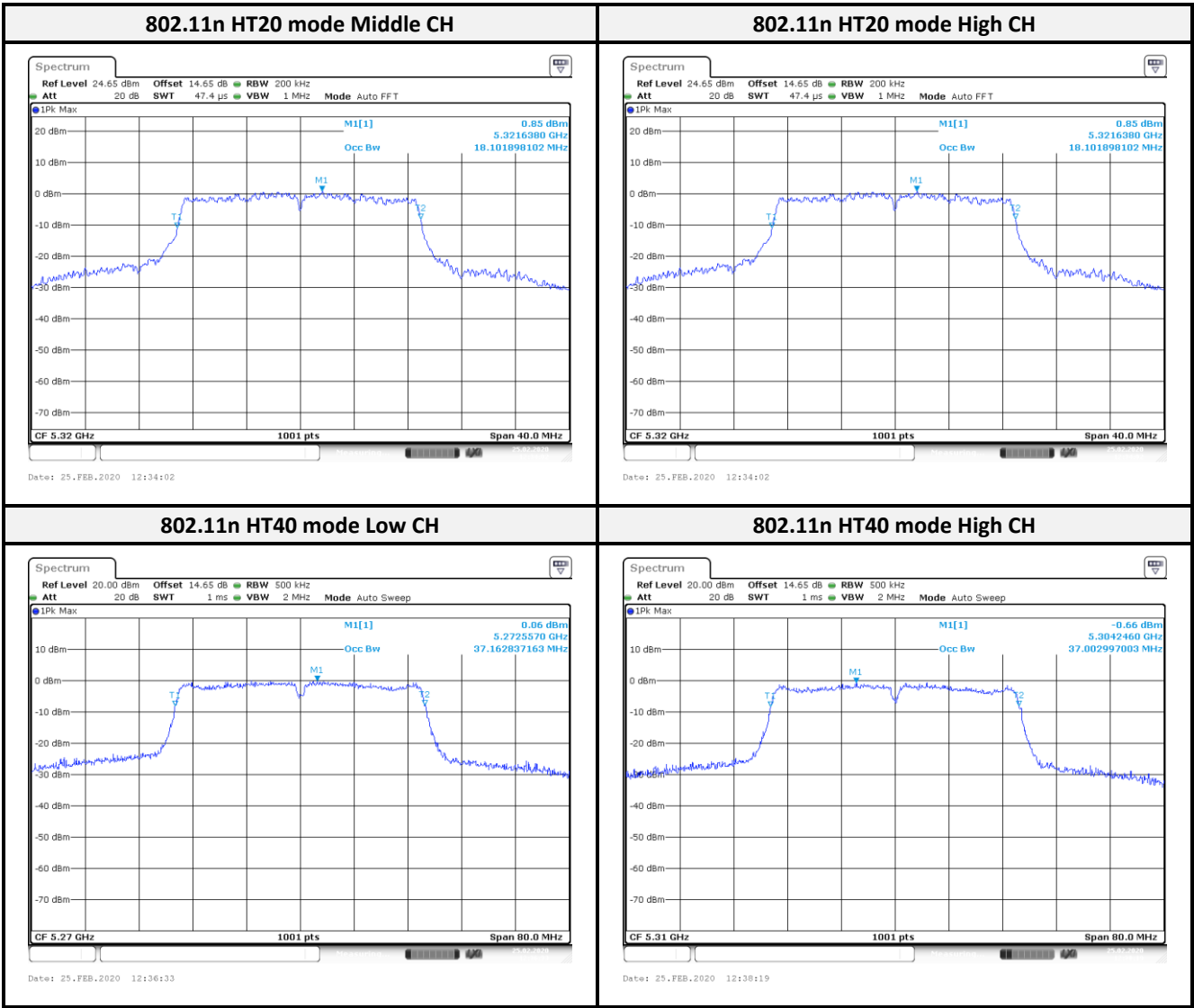
Occupied Bandwidth
For UNII-1





For UNII-2a





For UNII-2c

