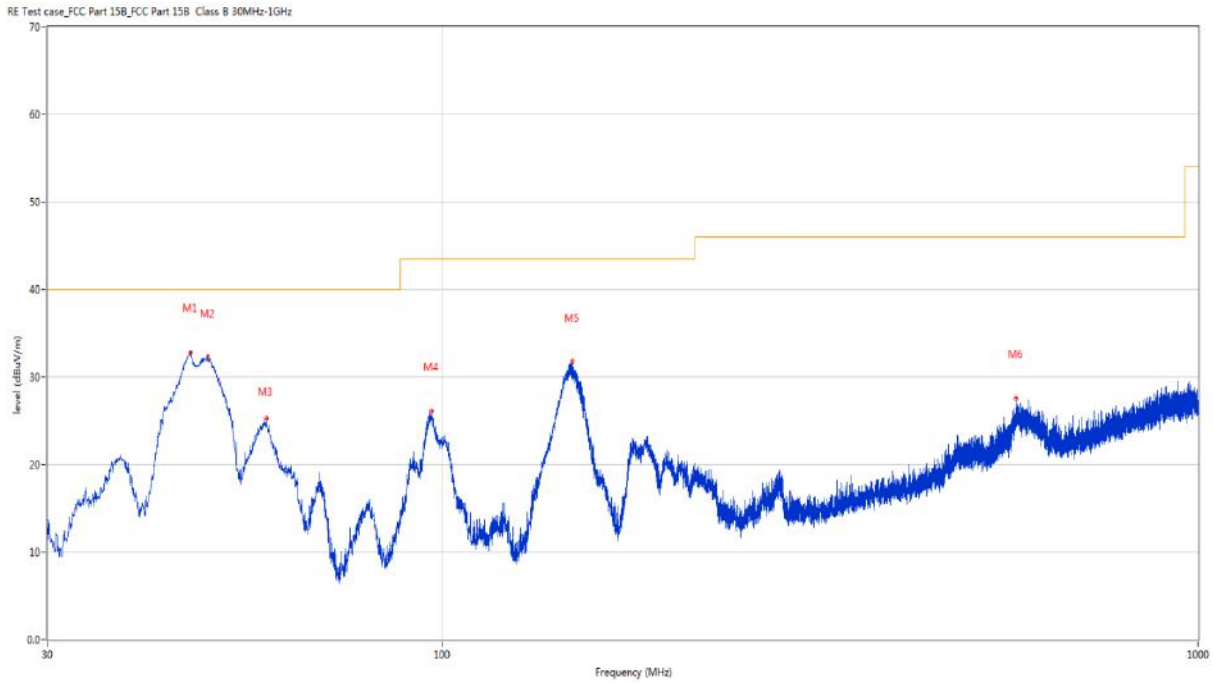


30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	46.393	32.86	-22.98	40.0	-7.14	Peak	259.70	100	Vertical	Pass
2	48.867	32.30	-22.46	40.0	-7.70	Peak	1.00	100	Vertical	Pass
3	58.469	25.30	-24.07	40.0	-14.70	Peak	196.20	100	Vertical	Pass
4	96.736	26.08	-24.81	43.5	-17.42	Peak	360.00	200	Vertical	Pass
5	148.437	31.77	-28.03	43.5	-11.73	Peak	0.40	100	Vertical	Pass
6	573.831	27.53	-14.84	46.0	-18.47	Peak	14.50	100	Vertical	Pass

Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

Note 2: The spurious above 18G is noise only, do not show on the report.

1 GHz to 18 GHz, ANT H 802.11b Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1557.600	41.23	-17.73	74.0	-32.77	Peak	259.00	150	Horizontal	Pass
1**	1557.600	31.00	-17.73	54.0	-23.00	AV	259.00	150	Horizontal	Pass
2	2411.100	103.95	-13.12	74.0	29.95	Peak	91.00	150	Horizontal	N/A
2**	2411.100	102.31	-13.12	54.0	48.31	AV	91.00	150	Horizontal	N/A
3	2985.600	49.26	-10.15	74.0	-24.74	Peak	172.00	150	Horizontal	Pass
3**	2985.600	40.64	-10.15	54.0	-13.36	AV	172.00	150	Horizontal	Pass
4	4824.200	48.13	-3.66	74.0	-25.87	Peak	99.00	150	Horizontal	Pass
4**	4824.200	43.71	-3.66	54.0	-10.29	AV	99.00	150	Horizontal	Pass
5	6939.200	50.52	-0.39	74.0	-23.48	Peak	44.00	150	Horizontal	Pass
5**	6939.200	41.14	-0.39	54.0	-12.86	AV	44.00	150	Horizontal	Pass
6	12317.025	50.06	2.21	74.0	-23.94	Peak	299.00	150	Horizontal	Pass
6**	12317.025	41.66	2.21	54.0	-12.34	AV	299.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1719.600	41.34	-17.42	74.0	-32.66	Peak	14.00	150	Vertical	Pass
1**	1719.600	33.35	-17.42	54.0	-20.65	AV	14.00	150	Vertical	Pass
2	2411.100	94.47	-13.12	74.0	20.47	Peak	42.00	150	Vertical	N/A
2**	2411.100	93.18	-13.12	54.0	39.18	AV	42.00	150	Vertical	N/A
3	2999.700	50.37	-10.12	74.0	-23.63	Peak	221.00	150	Vertical	Pass
3**	2999.700	40.91	-10.12	54.0	-13.09	AV	221.00	150	Vertical	Pass
4	4911.000	48.45	-3.66	74.0	-25.55	Peak	340.00	150	Vertical	Pass
4**	4911.000	38.54	-3.66	54.0	-15.46	AV	340.00	150	Vertical	Pass
5	6651.400	51.29	-1.03	74.0	-22.71	Peak	360.00	150	Vertical	Pass
5**	6651.400	40.58	-1.03	54.0	-13.42	AV	360.00	150	Vertical	Pass
6	12237.674	50.40	2.64	74.0	-23.60	Peak	0.00	150	Vertical	Pass
6**	12237.674	40.56	2.64	54.0	-13.44	AV	0.00	150	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11b Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1442.700	40.78	-17.61	74.0	-33.22	Peak	68.00	150	Horizontal	Pass
1**	1442.700	32.34	-17.61	54.0	-21.66	AV	68.00	150	Horizontal	Pass
2	2436.100	102.38	-12.43	74.0	28.38	Peak	92.00	150	Horizontal	N/A
2**	2436.100	101.09	-12.43	54.0	47.09	AV	92.00	150	Horizontal	N/A
3	2999.600	49.11	-10.13	74.0	-24.89	Peak	164.00	150	Horizontal	Pass
3**	2999.600	41.71	-10.13	54.0	-12.29	AV	164.00	150	Horizontal	Pass
4	4874.200	49.64	-3.63	74.0	-24.36	Peak	75.00	150	Horizontal	Pass
4**	4874.200	47.87	-3.63	54.0	-6.13	AV	75.00	150	Horizontal	Pass
5	6097.000	51.05	-1.47	74.0	-22.95	Peak	176.00	150	Horizontal	Pass
5**	6097.000	41.34	-1.47	54.0	-12.66	AV	176.00	150	Horizontal	Pass
6	11643.412	49.93	2.48	74.0	-24.07	Peak	322.00	150	Horizontal	Pass
6**	11643.412	41.26	2.48	54.0	-12.74	AV	322.00	150	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11b Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1668.700	40.71	-17.42	74.0	-33.29	Peak	209.00	150	Vertical	Pass
1**	1668.700	33.05	-17.42	54.0	-20.95	AV	209.00	150	Vertical	Pass
2	2436.100	89.26	-12.43	74.0	15.26	Peak	54.00	150	Vertical	N/A
2**	2436.100	87.26	-12.43	54.0	33.26	AV	54.00	150	Vertical	N/A
3	2980.900	49.78	-10.28	74.0	-24.22	Peak	1.00	150	Vertical	Pass
3**	2980.900	41.12	-10.28	54.0	-12.88	AV	1.00	150	Vertical	Pass
4	4874.000	48.18	-3.62	74.0	-25.82	Peak	165.00	150	Vertical	Pass
4**	4874.000	42.66	-3.62	54.0	-11.34	AV	165.00	150	Vertical	Pass
5	6912.200	51.16	-0.29	74.0	-22.84	Peak	147.00	150	Vertical	Pass
5**	6912.200	41.71	-0.29	54.0	-12.29	AV	147.00	150	Vertical	Pass
6	12206.625	49.90	2.57	74.0	-24.10	Peak	343.00	150	Vertical	Pass
6**	12206.625	40.86	2.57	54.0	-13.14	AV	343.00	150	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11b High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1559.800	40.58	-17.61	74.0	-33.42	Peak	165.00	150	Horizontal	Pass
1**	1559.800	31.41	-17.61	54.0	-22.59	AV	165.00	150	Horizontal	Pass
2	2461.100	103.11	-13.13	74.0	29.11	Peak	84.00	150	Horizontal	N/A
2**	2461.100	101.90	-13.13	54.0	47.90	AV	84.00	150	Horizontal	N/A
3	2825.600	49.76	-10.49	74.0	-24.24	Peak	135.00	150	Horizontal	Pass
3**	2825.600	39.97	-10.49	54.0	-14.03	AV	135.00	150	Horizontal	Pass
4	4924.000	47.70	-3.83	74.0	-26.30	Peak	85.00	150	Horizontal	Pass
4**	4924.000	40.58	-3.83	54.0	-13.42	AV	85.00	150	Horizontal	Pass
5	6909.200	50.40	-0.31	74.0	-23.60	Peak	207.00	150	Horizontal	Pass
5**	6909.200	41.97	-0.31	54.0	-12.03	AV	207.00	150	Horizontal	Pass
6	11658.075	49.83	2.52	74.0	-24.17	Peak	26.00	150	Horizontal	Pass
6**	11658.075	41.80	2.52	54.0	-12.20	AV	26.00	150	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11b High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1322.600	40.97	-17.56	74.0	-33.03	Peak	53.00	150	Vertical	Pass
1**	1322.600	32.51	-17.56	54.0	-21.49	AV	53.00	150	Vertical	Pass
2	2461.100	94.01	-13.13	74.0	20.01	Peak	184.00	150	Vertical	N/A
2**	2461.100	91.66	-13.13	54.0	37.66	AV	184.00	150	Vertical	N/A
3	2933.600	49.62	-10.65	74.0	-24.38	Peak	356.00	150	Vertical	Pass
3**	2933.600	40.25	-10.65	54.0	-13.75	AV	356.00	150	Vertical	Pass
4	4635.200	46.69	-4.25	74.0	-27.31	Peak	360.00	150	Vertical	Pass
4**	4635.200	38.06	-4.25	54.0	-15.94	AV	360.00	150	Vertical	Pass
5	6904.000	50.41	-0.42	74.0	-23.59	Peak	131.00	150	Vertical	Pass
5**	6904.000	41.78	-0.42	54.0	-12.22	AV	131.00	150	Vertical	Pass
6	11701.200	49.80	2.28	74.0	-24.20	Peak	212.00	150	Vertical	Pass
6**	11701.200	40.72	2.28	54.0	-13.28	AV	212.00	150	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11g Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1800.100	41.74	-17.11	74.0	-32.26	Peak	220.00	150	Horizontal	Pass
1**	1800.100	31.84	-17.11	54.0	-22.16	AV	220.00	150	Horizontal	Pass
2	2410.900	106.09	-13.12	74.0	32.09	Peak	85.00	150	Horizontal	N/A
2**	2410.900	99.36	-13.12	54.0	45.36	AV	85.00	150	Horizontal	N/A
3	2994.300	49.44	-10.05	74.0	-24.56	Peak	280.00	150	Horizontal	Pass
3**	2994.300	40.25	-10.05	54.0	-13.75	AV	280.00	150	Horizontal	Pass
4	4479.600	46.89	-3.96	74.0	-27.11	Peak	151.00	150	Horizontal	Pass
4**	4479.600	37.76	-3.96	54.0	-16.24	AV	151.00	150	Horizontal	Pass
5	6903.600	50.83	-0.43	74.0	-23.17	Peak	360.00	150	Horizontal	Pass
5**	6903.600	42.02	-0.43	54.0	-11.98	AV	360.00	150	Horizontal	Pass
6	12231.925	49.58	2.62	74.0	-24.42	Peak	161.00	150	Horizontal	Pass
6**	12231.925	42.13	2.62	54.0	-11.87	AV	161.00	150	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11g Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1673.400	40.97	-17.51	74.0	-33.03	Peak	190.00	150	Vertical	Pass
1**	1673.400	31.52	-17.51	54.0	-22.48	AV	190.00	150	Vertical	Pass
2	2411.500	96.21	-13.11	74.0	22.21	Peak	37.00	150	Vertical	N/A
2**	2411.500	89.03	-13.11	54.0	35.03	AV	37.00	150	Vertical	N/A
3	2942.800	49.09	-10.58	74.0	-24.91	Peak	337.00	150	Vertical	Pass
3**	2942.800	40.39	-10.58	54.0	-13.61	AV	337.00	150	Vertical	Pass
4	4689.200	47.09	-4.44	74.0	-26.91	Peak	232.00	150	Vertical	Pass
4**	4689.200	37.70	-4.44	54.0	-16.30	AV	232.00	150	Vertical	Pass
5	6933.800	50.50	-0.42	74.0	-23.50	Peak	321.00	150	Vertical	Pass
5**	6933.800	41.19	-0.42	54.0	-12.81	AV	321.00	150	Vertical	Pass
6	11657.500	49.30	2.53	74.0	-24.70	Peak	212.00	150	Vertical	Pass
6**	11657.500	40.45	2.53	54.0	-13.55	AV	212.00	150	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11g Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1666.600	40.57	-17.39	74.0	-33.43	Peak	305.00	150	Horizontal	Pass
1**	1666.600	31.95	-17.39	54.0	-22.05	AV	305.00	150	Horizontal	Pass
2	2433.300	104.68	-12.47	74.0	30.68	Peak	65.00	150	Horizontal	N/A
2**	2433.300	97.80	-12.47	54.0	43.80	AV	65.00	150	Horizontal	N/A
3	2989.800	49.51	-10.24	74.0	-24.49	Peak	238.00	150	Horizontal	Pass
3**	2989.800	40.35	-10.24	54.0	-13.65	AV	238.00	150	Horizontal	Pass
4	4558.400	48.19	-4.30	74.0	-25.81	Peak	223.00	150	Horizontal	Pass
4**	4558.400	37.86	-4.30	54.0	-16.14	AV	223.00	150	Horizontal	Pass
5	6968.800	51.13	-0.44	74.0	-22.87	Peak	119.00	150	Horizontal	Pass
5**	6968.800	41.29	-0.44	54.0	-12.71	AV	119.00	150	Horizontal	Pass
6	12345.201	49.54	2.06	74.0	-24.46	Peak	300.00	150	Horizontal	Pass
6**	12345.201	41.73	2.06	54.0	-12.27	AV	300.00	150	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11g Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1833.500	43.09	-16.70	74.0	-30.91	Peak	128.00	150	Vertical	Pass
1**	1833.500	32.59	-16.70	54.0	-21.41	AV	128.00	150	Vertical	Pass
2	2433.300	93.66	-12.47	74.0	19.66	Peak	33.00	150	Vertical	N/A
2**	2433.300	86.62	-12.47	54.0	32.62	AV	33.00	150	Vertical	N/A
3	2989.000	49.83	-10.20	74.0	-24.17	Peak	33.00	150	Vertical	Pass
3**	2989.000	40.49	-10.20	54.0	-13.51	AV	33.00	150	Vertical	Pass
4	4487.800	46.51	-4.23	74.0	-27.49	Peak	224.00	150	Vertical	Pass
4**	4487.800	38.45	-4.23	54.0	-15.55	AV	224.00	150	Vertical	Pass
5	6604.600	50.42	-1.41	74.0	-23.58	Peak	300.00	150	Vertical	Pass
5**	6604.600	40.67	-1.41	54.0	-13.33	AV	300.00	150	Vertical	Pass
6	11677.625	50.77	2.45	74.0	-23.23	Peak	184.00	150	Vertical	Pass
6**	11677.625	40.62	2.45	54.0	-13.38	AV	184.00	150	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11g High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1470.400	41.29	-17.68	74.0	-32.71	Peak	158.00	150	Horizontal	Pass
1**	1470.400	31.15	-17.68	54.0	-22.85	AV	158.00	150	Horizontal	Pass
2	2469.100	104.97	-12.82	74.0	30.97	Peak	278.00	150	Horizontal	N/A
2**	2469.100	98.36	-12.82	54.0	44.36	AV	278.00	150	Horizontal	N/A
3	2951.100	50.25	-10.27	74.0	-23.75	Peak	267.00	150	Horizontal	Pass
3**	2951.100	41.73	-10.27	54.0	-12.27	AV	267.00	150	Horizontal	Pass
4	4482.000	46.35	-4.10	74.0	-27.65	Peak	38.00	150	Horizontal	Pass
4**	4482.000	38.80	-4.10	54.0	-15.20	AV	38.00	150	Horizontal	Pass
5	6331.400	49.97	-1.39	74.0	-24.03	Peak	6.00	150	Horizontal	Pass
5**	6331.400	41.31	-1.39	54.0	-12.69	AV	6.00	150	Horizontal	Pass
6	12981.787	50.33	2.74	74.0	-23.67	Peak	51.00	150	Horizontal	Pass
6**	12981.787	42.08	2.74	54.0	-11.92	AV	51.00	150	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11g High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1578.100	41.84	-17.51	74.0	-32.16	Peak	194.00	150	Vertical	Pass
1**	1578.100	31.82	-17.51	54.0	-22.18	AV	194.00	150	Vertical	Pass
2	2465.300	93.26	-13.03	74.0	19.26	Peak	184.00	150	Vertical	N/A
2**	2465.300	85.95	-13.03	54.0	31.95	AV	184.00	150	Vertical	N/A
3	2977.300	49.73	-10.40	74.0	-24.27	Peak	268.00	150	Vertical	Pass
3**	2977.300	40.03	-10.40	54.0	-13.97	AV	268.00	150	Vertical	Pass
4	4320.600	46.16	-4.91	74.0	-27.84	Peak	137.00	150	Vertical	Pass
4**	4320.600	37.01	-4.91	54.0	-16.99	AV	137.00	150	Vertical	Pass
5	6271.800	50.22	-1.98	74.0	-23.78	Peak	203.00	150	Vertical	Pass
5**	6271.800	41.53	-1.98	54.0	-12.47	AV	203.00	150	Vertical	Pass
6	13253.474	49.93	2.62	74.0	-24.07	Peak	54.00	150	Vertical	Pass
6**	13253.474	40.47	2.62	54.0	-13.53	AV	54.00	150	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1851.100	42.47	-16.59	74.0	-31.53	Peak	294.00	150	Horizontal	Pass
1**	1851.100	33.14	-16.59	54.0	-20.86	AV	294.00	150	Horizontal	Pass
2	2411.300	105.74	-13.11	74.0	31.74	Peak	64.00	150	Horizontal	N/A
2**	2411.300	99.23	-13.11	54.0	45.23	AV	64.00	150	Horizontal	N/A
3	2947.700	49.14	-10.44	74.0	-24.86	Peak	0.00	150	Horizontal	Pass
3**	2947.700	39.90	-10.44	54.0	-14.10	AV	0.00	150	Horizontal	Pass
4	4216.200	46.31	-4.79	74.0	-27.69	Peak	135.00	150	Horizontal	Pass
4**	4216.200	36.44	-4.79	54.0	-17.56	AV	135.00	150	Horizontal	Pass
5	6981.400	50.92	-0.47	74.0	-23.08	Peak	242.00	150	Horizontal	Pass
5**	6981.400	42.79	-0.47	54.0	-11.21	AV	242.00	150	Horizontal	Pass
6	12213.526	49.76	2.58	74.0	-24.24	Peak	235.00	150	Horizontal	Pass
6**	12213.526	40.64	2.58	54.0	-13.36	AV	235.00	150	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11n20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1746.900	41.70	-17.29	74.0	-32.30	Peak	224.00	150	Vertical	Pass
1**	1746.900	32.01	-17.29	54.0	-21.99	AV	224.00	150	Vertical	Pass
2	2412.800	96.04	-13.09	74.0	22.04	Peak	36.00	150	Vertical	N/A
2**	2412.800	90.01	-13.09	54.0	36.01	AV	36.00	150	Vertical	N/A
3	2954.000	49.88	-10.29	74.0	-24.12	Peak	292.00	150	Vertical	Pass
3**	2954.000	40.25	-10.29	54.0	-13.75	AV	292.00	150	Vertical	Pass
4	4553.600	46.42	-4.28	74.0	-27.58	Peak	302.00	150	Vertical	Pass
4**	4553.600	38.30	-4.28	54.0	-15.70	AV	302.00	150	Vertical	Pass
5	6966.400	50.62	-0.50	74.0	-23.38	Peak	279.00	150	Vertical	Pass
5**	6966.400	42.00	-0.50	54.0	-12.00	AV	279.00	150	Vertical	Pass
6	12361.588	50.01	1.98	74.0	-23.99	Peak	236.00	150	Vertical	Pass
6**	12361.588	39.82	1.98	54.0	-14.18	AV	236.00	150	Vertical	Pass



## 1 GHz to 18 GHz, ANT H 802.11n20 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1591.500	41.21	-17.79	74.0	-32.79	Peak	155.00	150	Horizontal	Pass
1**	1591.500	31.07	-17.79	54.0	-22.93	AV	155.00	150	Horizontal	Pass
2	2435.300	103.83	-12.47	74.0	29.83	Peak	10.00	150	Horizontal	N/A
2**	2435.300	97.41	-12.47	54.0	43.41	AV	10.00	150	Horizontal	N/A
3	2919.800	49.62	-10.41	74.0	-24.38	Peak	0.00	150	Horizontal	Pass
3**	2919.800	41.28	-10.41	54.0	-12.72	AV	0.00	150	Horizontal	Pass
4	4544.800	46.94	-4.26	74.0	-27.06	Peak	134.00	150	Horizontal	Pass
4**	4544.800	37.25	-4.26	54.0	-16.75	AV	134.00	150	Horizontal	Pass
5	6418.200	50.31	-1.68	74.0	-23.69	Peak	8.00	150	Horizontal	Pass
5**	6418.200	41.79	-1.68	54.0	-12.21	AV	8.00	150	Horizontal	Pass
6	11656.063	49.35	2.53	74.0	-24.65	Peak	339.00	150	Horizontal	Pass
6**	11656.063	40.25	2.53	54.0	-13.75	AV	339.00	150	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11n20 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1391.400	41.19	-17.46	74.0	-32.81	Peak	187.00	150	Vertical	Pass
1**	1391.400	32.34	-17.46	54.0	-21.66	AV	187.00	150	Vertical	Pass
2	2432.400	92.79	-12.48	74.0	18.79	Peak	36.00	150	Vertical	N/A
2**	2432.400	85.66	-12.48	54.0	31.66	AV	36.00	150	Vertical	N/A
3	2949.400	49.73	-10.34	74.0	-24.27	Peak	74.00	150	Vertical	Pass
3**	2949.400	40.66	-10.34	54.0	-13.34	AV	74.00	150	Vertical	Pass
4	4883.000	47.47	-3.62	74.0	-26.53	Peak	137.00	150	Vertical	Pass
4**	4883.000	38.97	-3.62	54.0	-15.03	AV	137.00	150	Vertical	Pass
5	6153.400	51.18	-1.64	74.0	-22.82	Peak	290.00	150	Vertical	Pass
5**	6153.400	40.74	-1.64	54.0	-13.26	AV	290.00	150	Vertical	Pass
6	12224.162	50.02	2.61	74.0	-23.98	Peak	169.00	150	Vertical	Pass
6**	12224.162	41.07	2.61	54.0	-12.93	AV	169.00	150	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1635.800	40.91	-17.75	74.0	-33.09	Peak	44.00	150	Horizontal	Pass
1**	1635.800	32.13	-17.75	54.0	-21.87	AV	44.00	150	Horizontal	Pass
2	2468.500	104.94	-12.85	74.0	30.94	Peak	70.00	150	Horizontal	N/A
2**	2468.500	98.32	-12.85	54.0	44.32	AV	70.00	150	Horizontal	N/A
3	2920.500	49.68	-10.41	74.0	-24.32	Peak	70.00	150	Horizontal	Pass
3**	2920.500	40.62	-10.41	54.0	-13.38	AV	70.00	150	Horizontal	Pass
4	4333.800	46.28	-4.77	74.0	-27.72	Peak	64.00	150	Horizontal	Pass
4**	4333.800	35.95	-4.77	54.0	-18.05	AV	64.00	150	Horizontal	Pass
5	6880.200	50.36	-0.78	74.0	-23.64	Peak	172.00	150	Horizontal	Pass
5**	6880.200	41.48	-0.78	54.0	-12.52	AV	172.00	150	Horizontal	Pass
6	11653.188	49.61	2.54	74.0	-24.39	Peak	31.00	150	Horizontal	Pass
6**	11653.188	40.46	2.54	54.0	-13.54	AV	31.00	150	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1559.800	40.96	-17.61	74.0	-33.04	Peak	322.00	150	Vertical	Pass
1**	1559.800	32.86	-17.61	54.0	-21.14	AV	322.00	150	Vertical	Pass
2	2467.800	93.00	-12.88	74.0	19.00	Peak	36.00	150	Vertical	N/A
2**	2467.800	86.41	-12.88	54.0	32.41	AV	36.00	150	Vertical	N/A
3	2964.800	50.15	-10.49	74.0	-23.85	Peak	49.00	150	Vertical	Pass
3**	2964.800	41.06	-10.49	54.0	-12.94	AV	49.00	150	Vertical	Pass
4	4547.800	46.28	-4.18	74.0	-27.72	Peak	102.00	150	Vertical	Pass
4**	4547.800	38.83	-4.18	54.0	-15.17	AV	102.00	150	Vertical	Pass
5	6937.200	50.35	-0.41	74.0	-23.65	Peak	23.00	150	Vertical	Pass
5**	6937.200	41.95	-0.41	54.0	-12.05	AV	23.00	150	Vertical	Pass
6	13258.463	50.11	2.59	74.0	-23.89	Peak	310.00	150	Vertical	Pass
6**	13258.463	41.02	2.59	54.0	-12.98	AV	310.00	150	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1308.100	41.35	-17.50	74.0	-32.65	Peak	336.00	150	Horizontal	Pass
1**	1308.100	32.05	-17.50	54.0	-21.95	AV	336.00	150	Horizontal	Pass
2	2419.100	102.99	-12.80	74.0	28.99	Peak	57.00	150	Horizontal	N/A
2**	2419.100	96.38	-12.80	54.0	42.38	AV	57.00	150	Horizontal	N/A
3	2948.900	49.85	-10.37	74.0	-24.15	Peak	84.00	150	Horizontal	Pass
3**	2948.900	40.97	-10.37	54.0	-13.03	AV	84.00	150	Horizontal	Pass
4	4838.600	47.28	-3.49	74.0	-26.72	Peak	52.00	150	Horizontal	Pass
4**	4838.600	38.70	-3.49	54.0	-15.30	AV	52.00	150	Horizontal	Pass
5	6919.400	50.60	-0.25	74.0	-23.40	Peak	0.00	150	Horizontal	Pass
5**	6919.400	41.64	-0.25	54.0	-12.36	AV	0.00	150	Horizontal	Pass
6	11695.737	49.55	2.34	74.0	-24.45	Peak	251.00	150	Horizontal	Pass
6**	11695.737	40.90	2.34	54.0	-13.10	AV	251.00	150	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11n40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1450.200	40.99	-17.67	74.0	-33.01	Peak	307.00	150	Vertical	Pass
1**	1450.200	31.95	-17.67	54.0	-22.05	AV	307.00	150	Vertical	Pass
2	2408.800	92.12	-13.20	74.0	18.12	Peak	40.00	150	Vertical	N/A
2**	2408.800	84.68	-13.20	54.0	30.68	AV	40.00	150	Vertical	N/A
3	2933.300	49.40	-10.65	74.0	-24.60	Peak	181.00	150	Vertical	Pass
3**	2933.300	40.87	-10.65	54.0	-13.13	AV	181.00	150	Vertical	Pass
4	4690.000	47.12	-4.42	74.0	-26.88	Peak	248.00	150	Vertical	Pass
4**	4690.000	36.91	-4.42	54.0	-17.09	AV	248.00	150	Vertical	Pass
5	6863.000	51.58	-1.14	74.0	-22.42	Peak	350.00	150	Vertical	Pass
5**	6863.000	43.18	-1.14	54.0	-10.82	AV	350.00	150	Vertical	Pass
6	11653.188	50.07	2.54	74.0	-23.93	Peak	334.00	150	Vertical	Pass
6**	11653.188	40.84	2.54	54.0	-13.16	AV	334.00	150	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11n40 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1421.700	41.02	-17.56	74.0	-32.98	Peak	46.00	150	Horizontal	Pass
1**	1421.700	31.62	-17.56	54.0	-22.38	AV	46.00	150	Horizontal	Pass
2	2453.600	102.36	-13.05	74.0	28.36	Peak	68.00	150	Horizontal	N/A
2**	2453.600	96.51	-13.05	54.0	42.51	AV	68.00	150	Horizontal	N/A
3	2922.800	49.10	-10.43	74.0	-24.90	Peak	109.00	150	Horizontal	Pass
3**	2922.800	40.40	-10.43	54.0	-13.60	AV	109.00	150	Horizontal	Pass
4	4608.000	47.65	-4.27	74.0	-26.35	Peak	231.00	150	Horizontal	Pass
4**	4608.000	37.44	-4.27	54.0	-16.56	AV	231.00	150	Horizontal	Pass
5	6884.800	51.02	-0.58	74.0	-22.98	Peak	360.00	150	Horizontal	Pass
5**	6884.800	41.77	-0.58	54.0	-12.23	AV	360.00	150	Horizontal	Pass
6	12231.638	50.13	2.62	74.0	-23.87	Peak	40.00	150	Horizontal	Pass
6**	12231.638	41.21	2.62	54.0	-12.79	AV	40.00	150	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11n40 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1666.200	40.59	-17.39	74.0	-33.41	Peak	230.00	150	Vertical	Pass
1**	1666.200	32.38	-17.39	54.0	-21.62	AV	230.00	150	Vertical	Pass
2	2454.400	90.47	-13.10	74.0	16.47	Peak	184.00	150	Vertical	N/A
2**	2454.400	84.05	-13.10	54.0	30.05	AV	184.00	150	Vertical	N/A
3	2980.200	49.10	-10.28	74.0	-24.90	Peak	120.00	150	Vertical	Pass
3**	2980.200	40.66	-10.28	54.0	-13.34	AV	120.00	150	Vertical	Pass
4	4310.400	46.32	-5.02	74.0	-27.68	Peak	28.00	150	Vertical	Pass
4**	4310.400	39.50	-5.02	54.0	-14.50	AV	28.00	150	Vertical	Pass
5	6805.200	50.54	-1.30	74.0	-23.46	Peak	130.00	150	Vertical	Pass
5**	6805.200	41.43	-1.30	54.0	-12.57	AV	130.00	150	Vertical	Pass
6	12254.638	50.35	2.62	74.0	-23.65	Peak	272.00	150	Vertical	Pass
6**	12254.638	40.66	2.62	54.0	-13.34	AV	272.00	150	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1336.500	41.01	-17.68	74.0	-32.99	Peak	243.00	150	Horizontal	Pass
1**	1336.500	31.39	-17.68	54.0	-22.61	AV	243.00	150	Horizontal	Pass
2	2457.600	103.59	-13.18	74.0	29.59	Peak	79.00	150	Horizontal	N/A
2**	2457.600	96.99	-13.18	54.0	42.99	AV	79.00	150	Horizontal	N/A
3	2891.100	49.28	-9.88	74.0	-24.72	Peak	194.00	150	Horizontal	Pass
3**	2891.100	40.08	-9.88	54.0	-13.92	AV	194.00	150	Horizontal	Pass
4	3772.600	44.65	-5.95	74.0	-29.35	Peak	360.00	150	Horizontal	Pass
4**	3772.600	35.58	-5.95	54.0	-18.42	AV	360.00	150	Horizontal	Pass
5	5454.600	48.53	-3.14	74.0	-25.47	Peak	235.00	150	Horizontal	Pass
5**	5454.600	39.30	-3.14	54.0	-14.70	AV	235.00	150	Horizontal	Pass
6	11673.600	50.34	2.46	74.0	-23.66	Peak	0.00	150	Horizontal	Pass
6**	11673.600	41.30	2.46	54.0	-12.70	AV	0.00	150	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11n40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1278.000	41.06	-17.47	74.0	-32.94	Peak	159.00	150	Vertical	Pass
1**	1278.000	31.26	-17.47	54.0	-22.74	AV	159.00	150	Vertical	Pass
2	2457.500	93.85	-13.18	74.0	19.85	Peak	184.00	150	Vertical	N/A
2**	2457.500	86.03	-13.18	54.0	32.03	AV	184.00	150	Vertical	N/A
3	2914.600	49.50	-10.49	74.0	-24.50	Peak	202.00	150	Vertical	Pass
3**	2914.600	41.19	-10.49	54.0	-12.81	AV	202.00	150	Vertical	Pass
4	3781.000	43.75	-5.66	74.0	-30.25	Peak	174.00	150	Vertical	Pass
4**	3781.000	35.18	-5.66	54.0	-18.82	AV	174.00	150	Vertical	Pass
5	5935.200	50.44	-2.06	74.0	-23.56	Peak	312.00	150	Vertical	Pass
5**	5935.200	40.89	-2.06	54.0	-13.11	AV	312.00	150	Vertical	Pass
6	11666.700	50.16	2.49	74.0	-23.84	Peak	339.00	150	Vertical	Pass
6**	11666.700	40.45	2.49	54.0	-13.55	AV	339.00	150	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11ac20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1741.900	37.20	-17.12	74.0	-36.80	Peak	314.00	150	Horizontal	Pass
1**	1741.900	27.87	-17.12	54.0	-26.13	AV	314.00	150	Horizontal	Pass
2	2414.600	100.30	-12.26	74.0	26.30	Peak	0.00	150	Horizontal	N/A
2**	2414.600	92.38	-12.26	54.0	38.38	AV	0.00	150	Horizontal	N/A
3	3837.600	46.58	-4.72	74.0	-27.42	Peak	113.00	150	Horizontal	Pass
3**	3837.600	38.03	-4.72	54.0	-15.97	AV	113.00	150	Horizontal	Pass
4	6681.200	52.28	-0.51	74.0	-21.72	Peak	0.00	150	Horizontal	Pass
4**	6681.200	43.48	-0.51	54.0	-10.52	AV	0.00	150	Horizontal	Pass
5	11309.338	49.26	0.35	74.0	-24.74	Peak	126.00	150	Horizontal	Pass
5**	11309.338	40.32	0.35	54.0	-13.68	AV	126.00	150	Horizontal	Pass
6	17178.113	54.53	2.61	74.0	-19.47	Peak	27.00	150	Horizontal	Pass
6**	17178.113	46.27	2.61	54.0	-7.73	AV	27.00	150	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11ac20 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1623.400	37.06	-17.71	74.0	-36.94	Peak	269.00	150	Vertical	Pass
1**	1623.400	27.69	-17.71	54.0	-26.31	AV	269.00	150	Vertical	Pass
2	2411.100	90.86	-12.25	74.0	16.86	Peak	200.00	150	Vertical	N/A
2**	2411.100	84.33	-12.25	54.0	30.33	AV	200.00	150	Vertical	N/A
3	3837.400	46.54	-4.72	74.0	-27.46	Peak	338.00	150	Vertical	Pass
3**	3837.400	37.08	-4.72	54.0	-16.92	AV	338.00	150	Vertical	Pass
4	6611.600	52.49	0.19	74.0	-21.51	Peak	70.00	150	Vertical	Pass
4**	6611.600	43.99	0.19	54.0	-10.01	AV	70.00	150	Vertical	Pass
5	11072.437	49.93	-1.17	74.0	-24.07	Peak	360.00	150	Vertical	Pass
5**	11072.437	40.87	-1.17	54.0	-13.13	AV	360.00	150	Vertical	Pass
6	17468.176	54.37	2.90	74.0	-19.63	Peak	339.00	150	Vertical	Pass
6**	17468.176	45.63	2.90	54.0	-8.37	AV	339.00	150	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11ac20 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1334.700	36.87	-17.48	74.0	-37.13	Peak	56.00	150	Horizontal	Pass
1**	1334.700	25.97	-17.48	54.0	-28.03	AV	56.00	150	Horizontal	Pass
2	2429.700	99.88	-12.79	74.0	25.88	Peak	0.00	150	Horizontal	N/A
2**	2429.700	93.05	-12.79	54.0	39.05	AV	0.00	150	Horizontal	N/A
3	3953.200	46.23	-4.65	74.0	-27.77	Peak	316.00	150	Horizontal	Pass
3**	3953.200	37.17	-4.65	54.0	-16.83	AV	316.00	150	Horizontal	Pass
4	6268.200	52.93	-0.43	74.0	-21.07	Peak	144.00	150	Horizontal	Pass
4**	6268.200	43.60	-0.43	54.0	-10.40	AV	144.00	150	Horizontal	Pass
5	11397.599	50.48	-0.22	74.0	-23.52	Peak	0.00	150	Horizontal	Pass
5**	11397.599	39.12	-0.22	54.0	-14.88	AV	0.00	150	Horizontal	Pass
6	17424.337	55.68	3.64	74.0	-18.32	Peak	40.00	150	Horizontal	Pass
6**	17424.337	46.45	3.64	54.0	-7.55	AV	40.00	150	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11ac20 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1522.200	36.91	-17.64	74.0	-37.09	Peak	155.00	150	Vertical	Pass
1**	1522.200	28.12	-17.64	54.0	-25.88	AV	155.00	150	Vertical	Pass
2	2438.600	91.19	-12.61	74.0	17.19	Peak	242.00	150	Vertical	N/A
2**	2438.600	83.49	-12.61	54.0	29.49	AV	242.00	150	Vertical	N/A
3	4282.800	47.72	-4.73	74.0	-26.28	Peak	360.00	150	Vertical	Pass
3**	4282.800	37.95	-4.73	54.0	-16.05	AV	360.00	150	Vertical	Pass
4	6684.800	52.50	-0.23	74.0	-21.50	Peak	195.00	150	Vertical	Pass
4**	6684.800	43.91	-0.23	54.0	-10.09	AV	195.00	150	Vertical	Pass
5	11357.638	49.77	-0.20	74.0	-24.23	Peak	128.00	150	Vertical	Pass
5**	11357.638	41.29	-0.20	54.0	-12.71	AV	128.00	150	Vertical	Pass
6	17458.725	54.54	2.84	74.0	-19.46	Peak	261.00	150	Vertical	Pass
6**	17458.725	45.93	2.84	54.0	-8.07	AV	261.00	150	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11ac20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1571.500	37.19	-17.52	74.0	-36.81	Peak	62.00	150	Horizontal	Pass
1**	1571.500	27.09	-17.52	54.0	-26.91	AV	62.00	150	Horizontal	Pass
2	2470.400	99.84	-12.57	74.0	25.84	Peak	204.00	150	Horizontal	N/A
2**	2470.400	93.45	-12.57	54.0	39.45	AV	204.00	150	Horizontal	N/A
3	3834.800	46.09	-4.83	74.0	-27.91	Peak	237.00	150	Horizontal	Pass
3**	3834.800	36.35	-4.83	54.0	-17.65	AV	237.00	150	Horizontal	Pass
4	6686.600	52.84	-0.21	74.0	-21.16	Peak	0.00	150	Horizontal	Pass
4**	6686.600	43.59	-0.21	54.0	-10.41	AV	0.00	150	Horizontal	Pass
5	11939.250	50.51	1.69	74.0	-23.49	Peak	285.00	150	Horizontal	Pass
5**	11939.250	41.20	1.69	54.0	-12.80	AV	285.00	150	Horizontal	Pass
6	17469.749	54.46	2.91	74.0	-19.54	Peak	9.00	150	Horizontal	Pass
6**	17469.749	45.61	2.91	54.0	-8.39	AV	9.00	150	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11ac20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1468.000	37.12	-17.53	74.0	-36.88	Peak	201.00	150	Vertical	Pass
1**	1468.000	27.99	-17.53	54.0	-26.01	AV	201.00	150	Vertical	Pass
2	2467.100	90.61	-12.65	74.0	16.61	Peak	130.00	150	Vertical	N/A
2**	2467.100	83.16	-12.65	54.0	29.16	AV	130.00	150	Vertical	N/A
3	4142.600	46.95	-4.89	74.0	-27.05	Peak	360.00	150	Vertical	Pass
3**	4142.600	37.18	-4.89	54.0	-16.82	AV	360.00	150	Vertical	Pass
4	6607.800	52.46	0.15	74.0	-21.54	Peak	286.00	150	Vertical	Pass
4**	6607.800	43.31	0.15	54.0	-10.69	AV	286.00	150	Vertical	Pass
5	12222.151	49.94	1.26	74.0	-24.06	Peak	149.00	150	Vertical	Pass
5**	12222.151	41.40	1.26	54.0	-12.60	AV	149.00	150	Vertical	Pass
6	17197.801	54.60	2.02	74.0	-19.40	Peak	161.00	150	Vertical	Pass
6**	17197.801	44.48	2.02	54.0	-9.52	AV	161.00	150	Vertical	Pass



## 1 GHz to 18 GHz, ANT H 802.11ac40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1456.800	37.51	-17.48	74.0	-36.49	Peak	132.00	150	Horizontal	Pass
1**	1456.800	27.76	-17.48	54.0	-26.24	AV	132.00	150	Horizontal	Pass
2	2414.800	99.90	-12.26	74.0	25.90	Peak	360.00	150	Horizontal	N/A
2**	2414.800	93.06	-12.26	54.0	39.06	AV	360.00	150	Horizontal	N/A
3	4058.800	46.64	-4.89	74.0	-27.36	Peak	166.00	150	Horizontal	Pass
3**	4058.800	37.64	-4.89	54.0	-16.36	AV	166.00	150	Horizontal	Pass
4	6602.000	52.83	-0.19	74.0	-21.17	Peak	249.00	150	Horizontal	Pass
4**	6602.000	44.04	-0.19	54.0	-9.96	AV	249.00	150	Horizontal	Pass
5	11935.225	50.62	1.69	74.0	-23.38	Peak	88.00	150	Horizontal	Pass
5**	11935.225	42.10	1.69	54.0	-11.90	AV	88.00	150	Horizontal	Pass
6	17487.600	55.26	2.37	74.0	-18.74	Peak	241.00	150	Horizontal	Pass
6**	17487.600	44.79	2.37	54.0	-9.21	AV	241.00	150	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11ac40 Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1846.800	39.15	-16.62	74.0	-34.85	Peak	288.00	150	Vertical	Pass
1**	1846.800	28.31	-16.62	54.0	-25.69	AV	288.00	150	Vertical	Pass
2	2429.500	88.26	-12.80	74.0	14.26	Peak	235.00	150	Vertical	N/A
2**	2429.500	81.63	-12.80	54.0	27.63	AV	235.00	150	Vertical	N/A
3	4220.000	47.09	-5.00	74.0	-26.91	Peak	251.00	150	Vertical	Pass
3**	4220.000	37.32	-5.00	54.0	-16.68	AV	251.00	150	Vertical	Pass
4	6409.200	52.99	-0.83	74.0	-21.01	Peak	251.00	150	Vertical	Pass
4**	6409.200	42.11	-0.83	54.0	-11.89	AV	251.00	150	Vertical	Pass
5	10941.050	49.31	-0.08	74.0	-24.69	Peak	360.00	150	Vertical	Pass
5**	10941.050	40.13	-0.08	54.0	-13.87	AV	360.00	150	Vertical	Pass
6	17472.637	55.16	2.86	74.0	-18.84	Peak	312.00	150	Vertical	Pass
6**	17472.637	45.92	2.86	54.0	-8.08	AV	312.00	150	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11ac40 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1810.000	38.19	-16.69	74.0	-35.81	Peak	170.00	150	Horizontal	Pass
1**	1810.000	28.55	-16.69	54.0	-25.45	AV	170.00	150	Horizontal	Pass
2	2453.700	99.55	-12.67	74.0	25.55	Peak	192.00	150	Horizontal	N/A
2**	2453.700	93.97	-12.67	54.0	39.97	AV	192.00	150	Horizontal	N/A
3	4079.000	47.11	-5.36	74.0	-26.89	Peak	250.00	150	Horizontal	Pass
3**	4079.000	36.80	-5.36	54.0	-17.20	AV	250.00	150	Horizontal	Pass
4	6613.200	52.64	0.19	74.0	-21.36	Peak	124.00	150	Horizontal	Pass
4**	6613.200	44.16	0.19	54.0	-9.84	AV	124.00	150	Horizontal	Pass
5	11612.363	50.11	-0.07	74.0	-23.89	Peak	232.00	150	Horizontal	Pass
5**	11612.363	40.40	-0.07	54.0	-13.60	AV	232.00	150	Horizontal	Pass
6	17199.374	54.09	1.93	74.0	-19.91	Peak	265.00	150	Horizontal	Pass
6**	17199.374	44.92	1.93	54.0	-9.08	AV	265.00	150	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11ac40 Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.000	37.16	-17.52	74.0	-36.84	Peak	360.00	150	Vertical	Pass
1**	1484.000	27.41	-17.52	54.0	-26.59	AV	360.00	150	Vertical	Pass
2	2454.500	91.23	-12.65	74.0	17.23	Peak	316.00	150	Vertical	N/A
2**	2454.500	85.73	-12.65	54.0	31.73	AV	316.00	150	Vertical	N/A
3	3884.800	46.16	-5.46	74.0	-27.84	Peak	3.00	150	Vertical	Pass
3**	3884.800	36.90	-5.46	54.0	-17.10	AV	3.00	150	Vertical	Pass
4	6603.800	52.35	-0.04	74.0	-21.65	Peak	0.00	150	Vertical	Pass
4**	6603.800	43.69	-0.04	54.0	-10.31	AV	0.00	150	Vertical	Pass
5	11671.012	50.05	0.24	74.0	-23.95	Peak	314.00	150	Vertical	Pass
5**	11671.012	40.77	0.24	54.0	-13.23	AV	314.00	150	Vertical	Pass
6	17369.999	54.52	2.42	74.0	-19.48	Peak	157.00	150	Vertical	Pass
6**	17369.999	45.20	2.42	54.0	-8.80	AV	157.00	150	Vertical	Pass

## 1 GHz to 18 GHz, ANT H 802.11ac40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1353.500	36.86	-17.37	74.0	-37.14	Peak	62.00	150	Horizontal	Pass
1**	1353.500	27.83	-17.37	54.0	-26.17	AV	62.00	150	Horizontal	Pass
2	2456.400	98.71	-12.73	74.0	24.71	Peak	290.00	150	Horizontal	N/A
2**	2456.400	91.93	-12.73	54.0	37.93	AV	290.00	150	Horizontal	N/A
3	4384.200	46.96	-4.56	74.0	-27.04	Peak	67.00	150	Horizontal	Pass
3**	4384.200	37.65	-4.56	54.0	-16.35	AV	67.00	150	Horizontal	Pass
4	6689.400	53.01	-0.26	74.0	-20.99	Peak	333.00	150	Horizontal	Pass
4**	6689.400	44.22	-0.26	54.0	-9.78	AV	333.00	150	Horizontal	Pass
5	11893.826	50.17	1.67	74.0	-23.83	Peak	293.00	150	Horizontal	Pass
5**	11893.826	41.10	1.67	54.0	-12.90	AV	293.00	150	Horizontal	Pass
6	17468.963	54.86	2.90	74.0	-19.14	Peak	147.00	150	Horizontal	Pass
6**	17468.963	45.52	2.90	54.0	-8.48	AV	147.00	150	Horizontal	Pass

## 1 GHz to 18 GHz, ANT V 802.11ac40 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1554.400	37.36	-17.52	74.0	-36.64	Peak	0.00	150	Vertical	Pass
1**	1554.400	27.74	-17.52	54.0	-26.26	AV	0.00	150	Vertical	Pass
2	2461.100	88.34	-12.75	74.0	14.34	Peak	328.00	150	Vertical	N/A
2**	2461.100	81.68	-12.75	54.0	27.68	AV	328.00	150	Vertical	N/A
3	3971.200	46.40	-5.17	74.0	-27.60	Peak	208.00	150	Vertical	Pass
3**	3971.200	37.55	-5.17	54.0	-16.45	AV	208.00	150	Vertical	Pass
4	6684.800	52.47	-0.23	74.0	-21.53	Peak	254.00	150	Vertical	Pass
4**	6684.800	43.29	-0.23	54.0	-10.71	AV	254.00	150	Vertical	Pass
5	11820.225	50.32	1.04	74.0	-23.68	Peak	263.00	150	Vertical	Pass
5**	11820.225	41.49	1.04	54.0	-12.51	AV	263.00	150	Vertical	Pass
6	17426.962	55.06	3.55	74.0	-18.94	Peak	262.00	150	Vertical	Pass
6**	17426.962	46.21	3.55	54.0	-7.79	AV	262.00	150	Vertical	Pass

## A.7 Band Edge (Restricted-band band-edge)

### Test Data

Note<sup>1</sup>: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

Note<sup>2</sup>: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

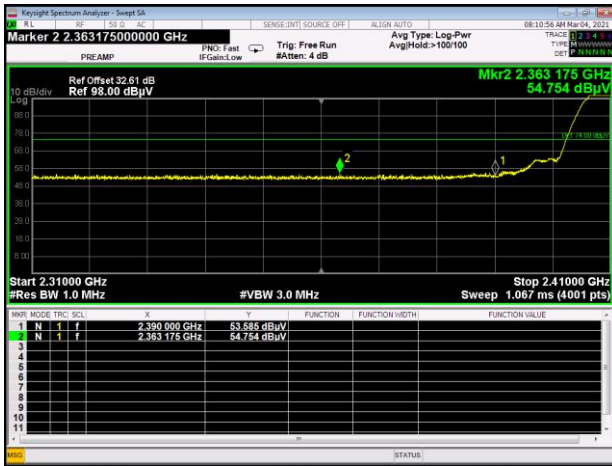
Note<sup>3</sup>: According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Test Mode	Test Channel	Frequency (MHz)	Level (dBuV/m)	Factor (dB)	Limit Line (dBuV/m)	Margin (dB)	Remark	Verdict
802.11b	Low	2390	54.754	32.61	74	19.246	PEAK	Pass
		2390	44.467	32.61	54	9.533	AVERAGE	Pass
	HIGH	2483.5	56.392	32.54	74	17.608	PEAK	Pass
		2483.5	47.443	32.54	54	6.557	AVERAGE	Pass
802.11g	Low	2390	65.861	32.61	74	8.139	PEAK	Pass
		2390	48.296	32.61	54	5.704	AVERAGE	Pass
	HIGH	2483.5	68.301	32.54	74	5.699	PEAK	Pass
		2483.5	48.509	32.54	54	5.491	AVERAGE	Pass
802.11n20	Low	2390	67.474	32.61	74	6.526	PEAK	Pass
		2390	48.568	32.61	54	5.432	AVERAGE	Pass
	HIGH	2483.5	68.977	32.54	74	5.023	PEAK	Pass
		2483.5	48.725	32.54	54	5.275	AVERAGE	Pass
802.11n40	Low	2390	68.824	32.61	74	5.176	PEAK	Pass
		2390	48.629	32.61	54	5.371	AVERAGE	Pass
	HIGH	2483.5	68.792	32.54	74	5.208	PEAK	Pass
		2483.5	47.771	32.54	54	6.229	AVERAGE	Pass
802.11ac40	Low	2390	67.166	32.61	74	6.834	PEAK	Pass
		2390	48.525	32.61	54	5.475	AVERAGE	Pass
	HIGH	2483.5	68.029	32.54	74	5.971	PEAK	Pass
		2483.5	47.648	32.54	54	6.352	AVERAGE	Pass
802.11ac40	Low	2390	65.970	32.61	74	8.030	PEAK	Pass
		2390	48.766	32.61	54	5.234	AVERAGE	Pass
	HIGH	2483.5	66.957	32.54	74	7.043	PEAK	Pass
		2483.5	48.750	32.54	54	5.250	AVERAGE	Pass

Test plots

802.11b Mode:

LOW CHANNEL, PEAK



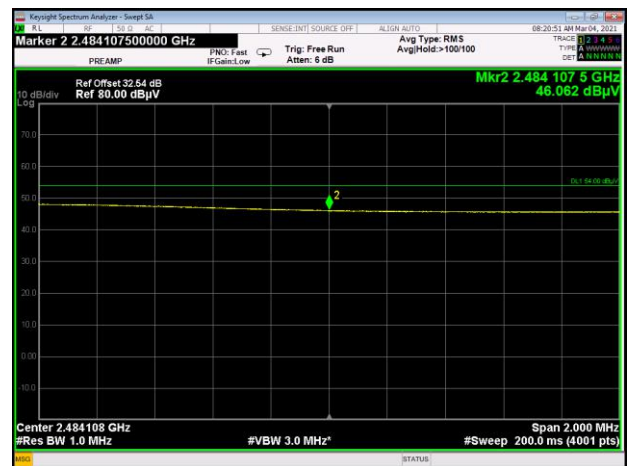
LOW CHANNEL, AV



HIGH CHANNEL, PEAK

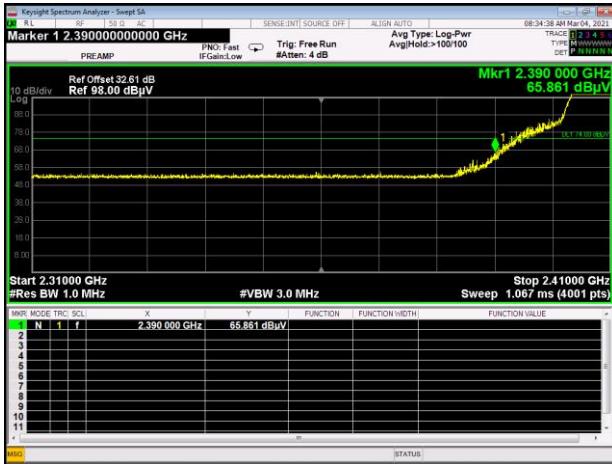


HIGH CHANNEL, AV



802.11g Mode:

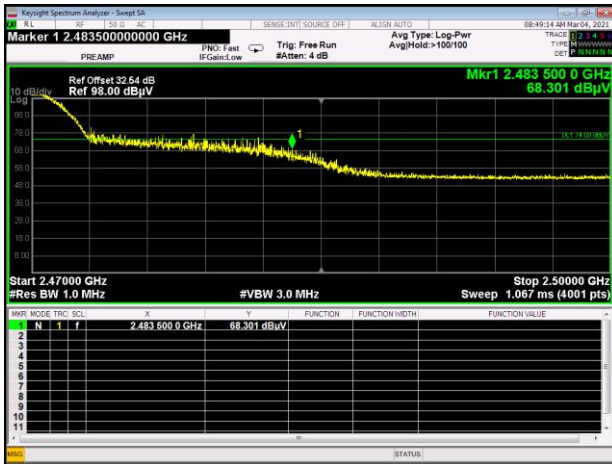
LOW CHANNEL, PEAK



LOW CHANNEL, AV



HIGH CHANNEL, PEAK

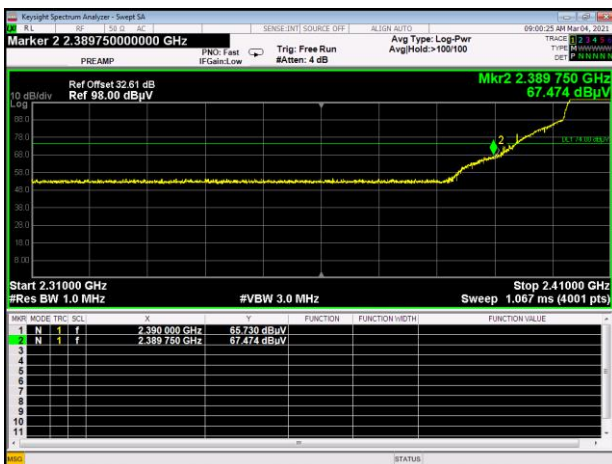


HIGH CHANNEL, AV



802.11n-20 MHz Mode:

LOW CHANNEL, PEAK



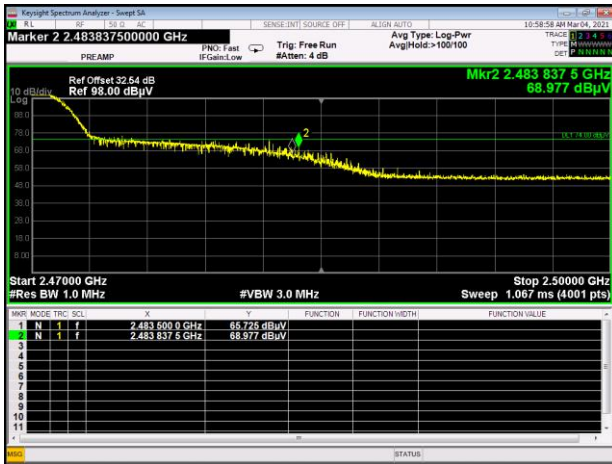
LOW CHANNEL, AV



LOW CHANNEL, AV



HIGH CHANNEL, PEAK



HIGH CHANNEL, AV



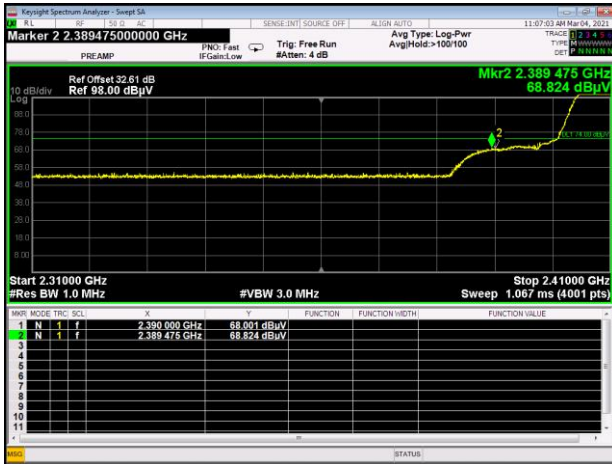
HIGH CHANNEL, AV





802.11n-40 MHz Mode:

LOW CHANNEL, PEAK



LOW CHANNEL, AV



LOW CHANNEL, AV



HIGH CHANNEL, PEAK

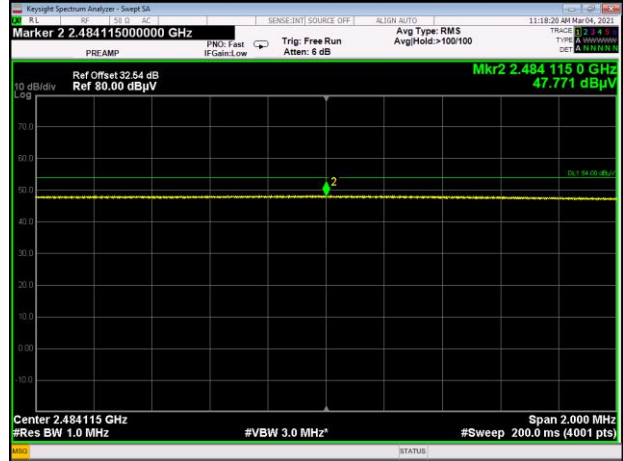




HIGH CHANNEL, AV

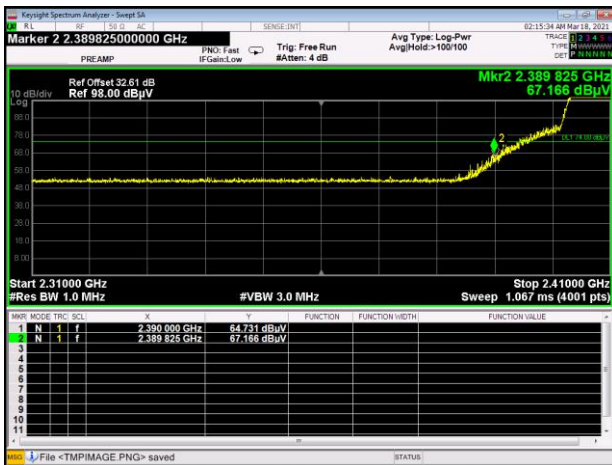


HIGH CHANNEL, AV

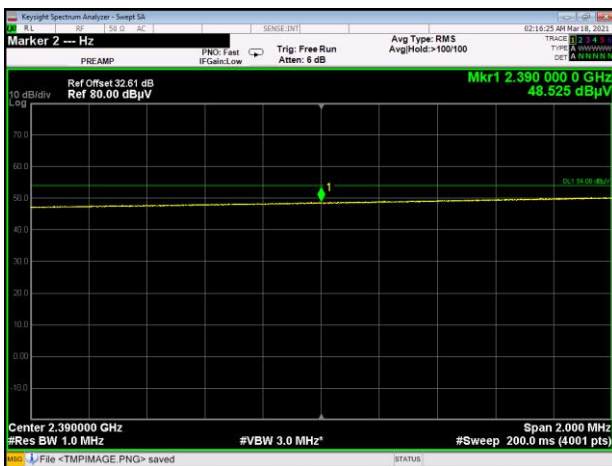


802.11ac-20 MHz Mode:

LOW CHANNEL, PEAK



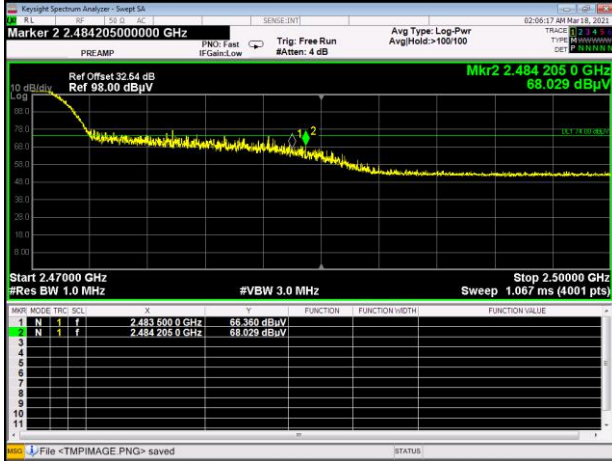
LOW CHANNEL, AV



LOW CHANNEL, AV



HIGH CHANNEL, PEAK



HIGH CHANNEL, AV

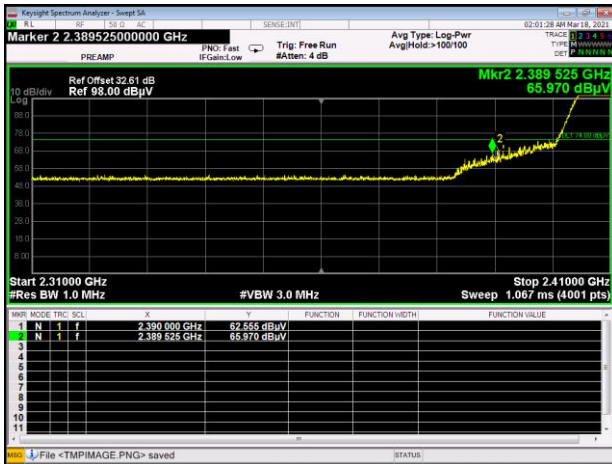


HIGH CHANNEL, AV



802.11ac-40 MHz Mode:

LOW CHANNEL, PEAK



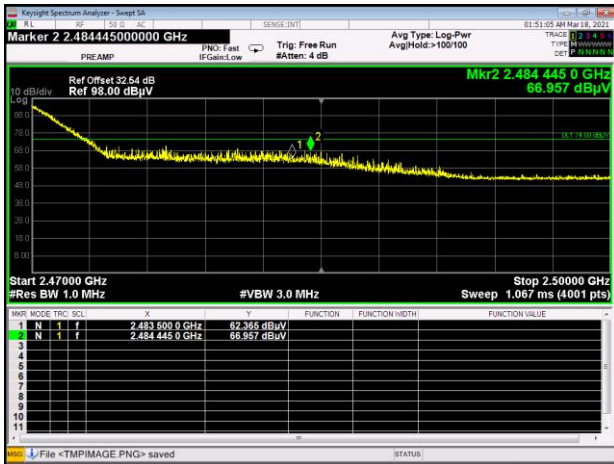
LOW CHANNEL, AV



LOW CHANNEL, AV



HIGH CHANNEL, PEAK



HIGH CHANNEL, AV



HIGH CHANNEL, AV



## A.8 Power Spectral Density (PSD)

### Test Data

#### 802.11b Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-17.44	8
Middle	-15.90	8
High	-17.18	8

#### 802.11g Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-19.44	8
Middle	-21.23	8
High	-23.46	8

#### 802.11n-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-20.25	8
Middle	-19.74	8
High	-23.96	8

#### 802.11n-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-25.35	8
Middle	-23.52	8
High	-28.73	8

#### 802.11ac-20 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-22.46	8
Middle	-18.67	8
High	-25.00	8

#### 802.11ac-40 MHz Mode:

Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)
Low	-25.95	8
Middle	-21.76	8
High	-28.84	8

## Test plots

## 802.11b LOW CHANNEL



## 802.11b MIDDLE CHANNEL

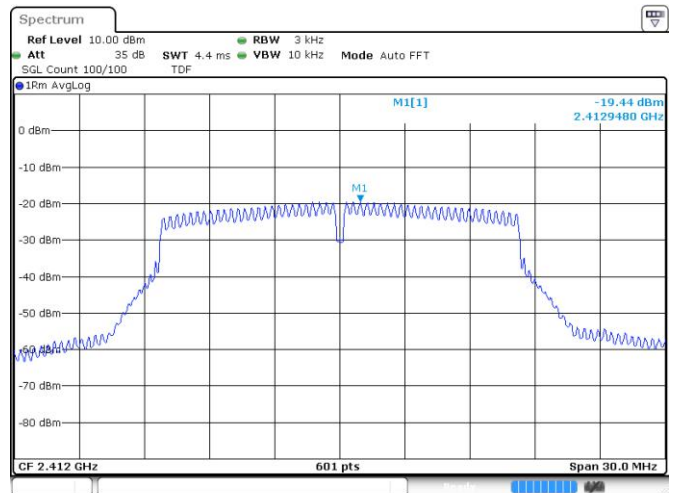


Date: 13 MAR 2021 15:38:26

## 802.11b HIGH CHANNEL

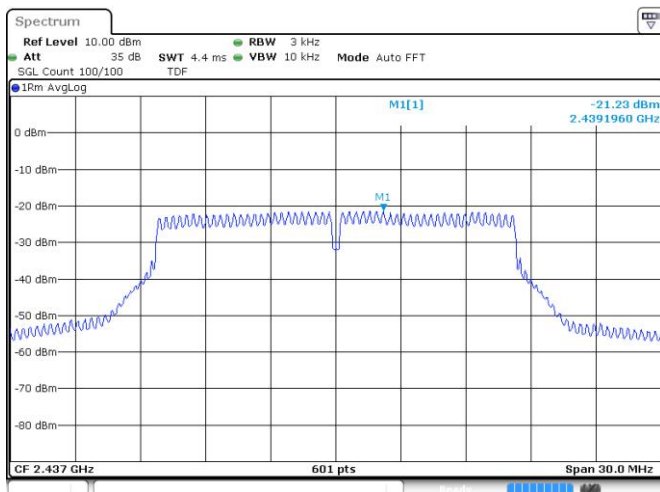


## 802.11g LOW CHANNEL

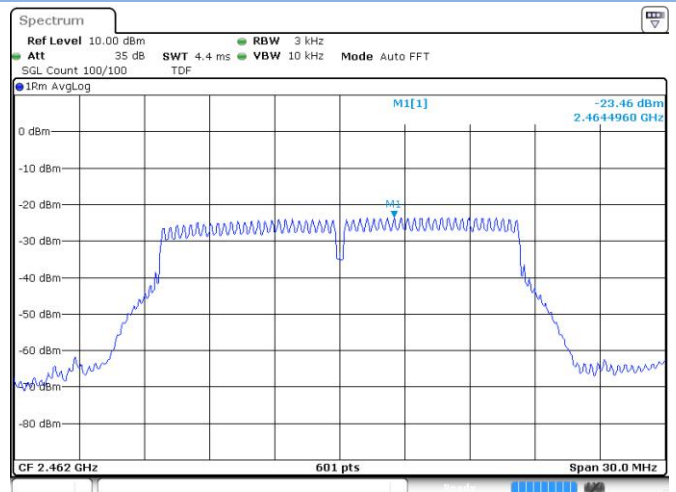


Date: 13 MAR 2021 15:42:05

## 802.11g MIDDLE CHANNEL

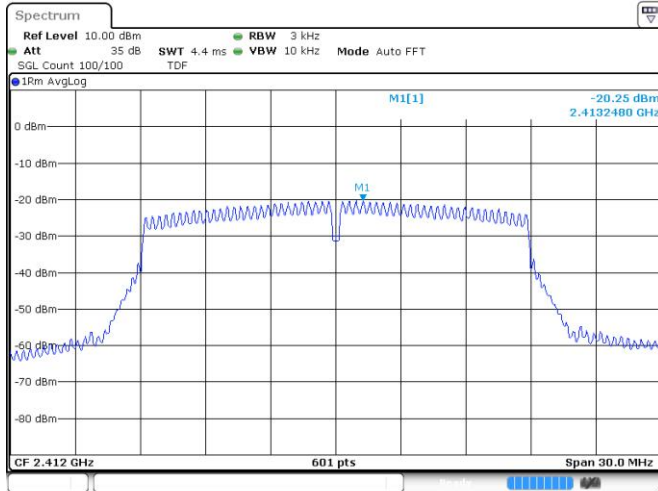


## 802.11g HIGH CHANNEL



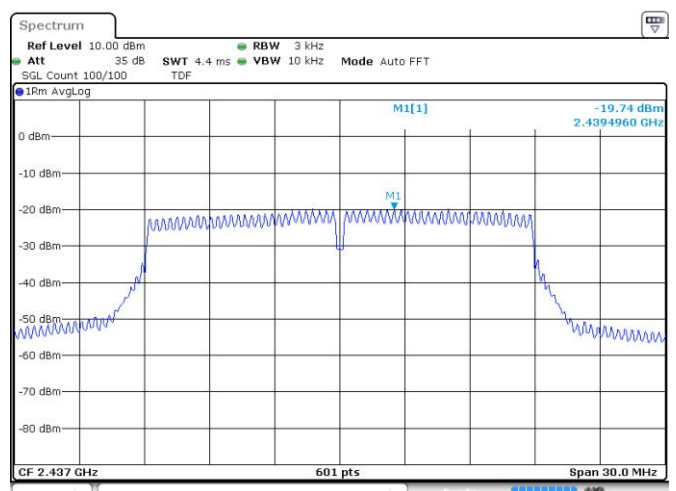
Date: 13 MAR 2021 15:45:53

802.11n-20 MHz LOW CHANNEL

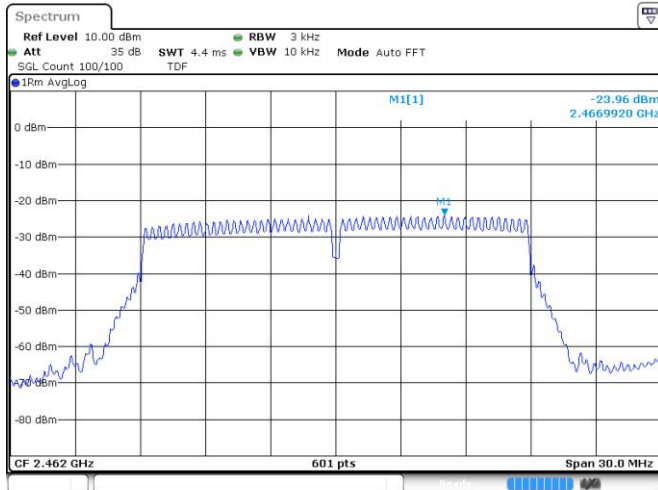


Date: 13.MAR.2021 15:50:43

802.11 n-20 MHz MIDDLE CHANNEL

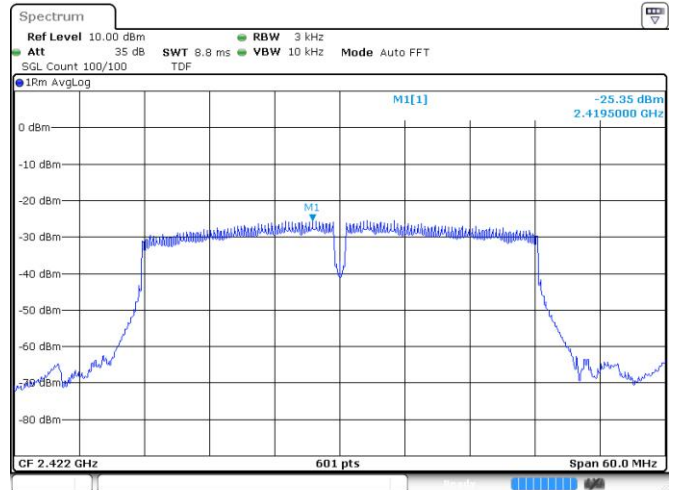


802.11n-20 MHz HIGH CHANNEL



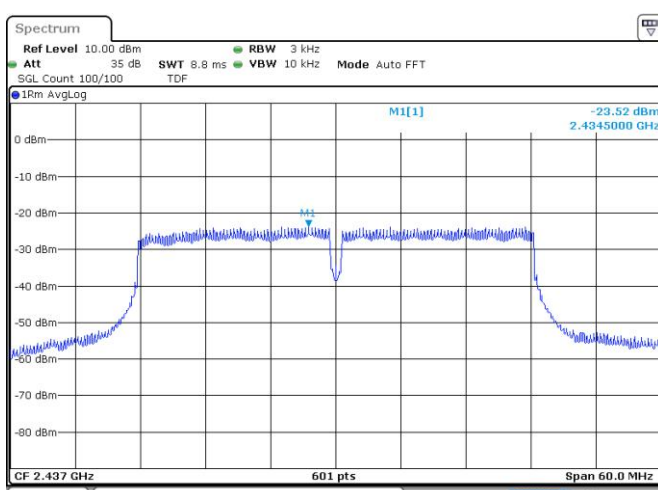
Date: 13.MAR.2021 15:53:50

802.11n-40 MHz LOW CHANNEL

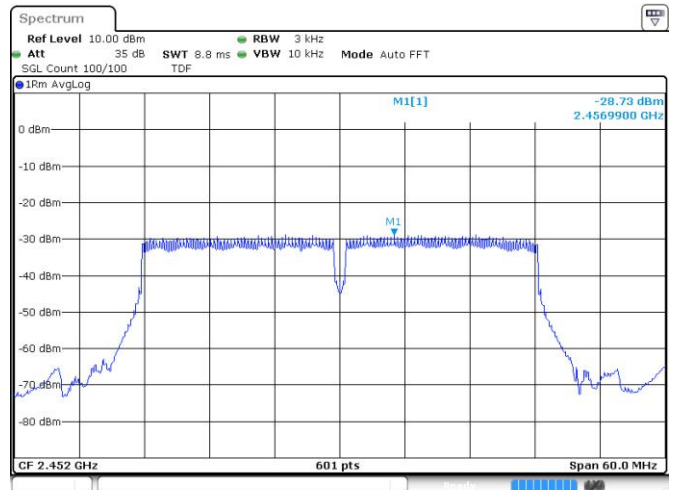


Date: 13.MAR.2021 15:56:36

802.11n-40 MHz MIDDLE CHANNEL



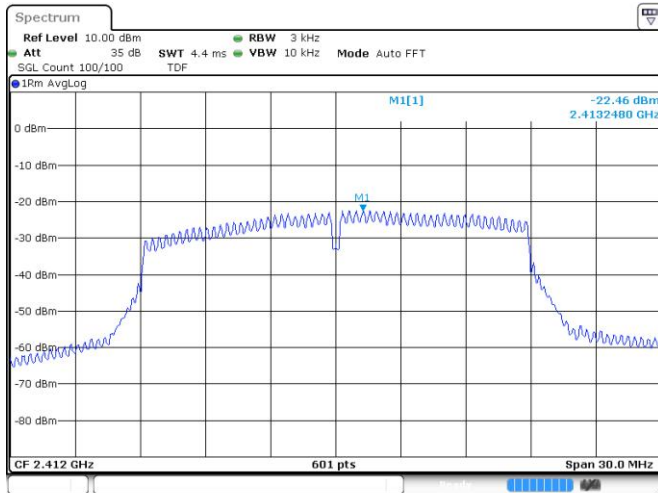
802.11n-40 MHz HIGH CHANNEL



Date: 13.MAR.2021 16:00:23

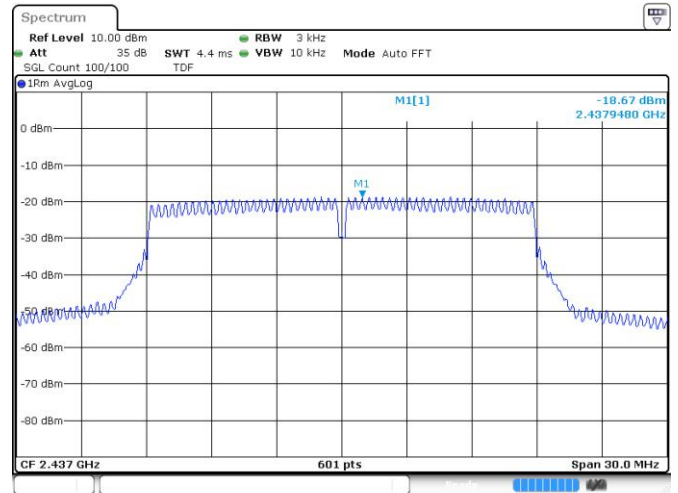


## 802.11ac-20 MHz LOW CHANNEL



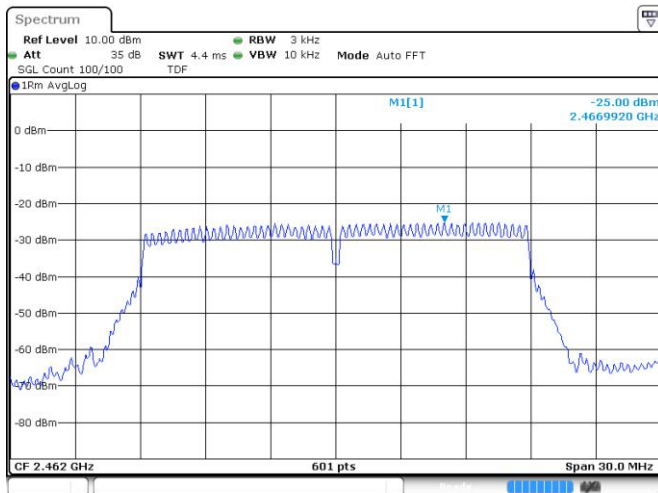
Date: 18 MAR 2021 19:51:53

## 802.11 ac-20 MHz MIDDLE CHANNEL



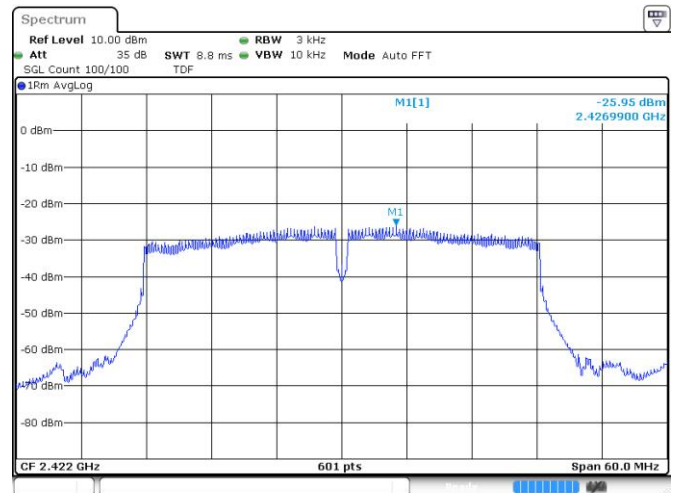
Date: 13 MAR 2021 16:08:28

## 802.11ac-20 MHz HIGH CHANNEL



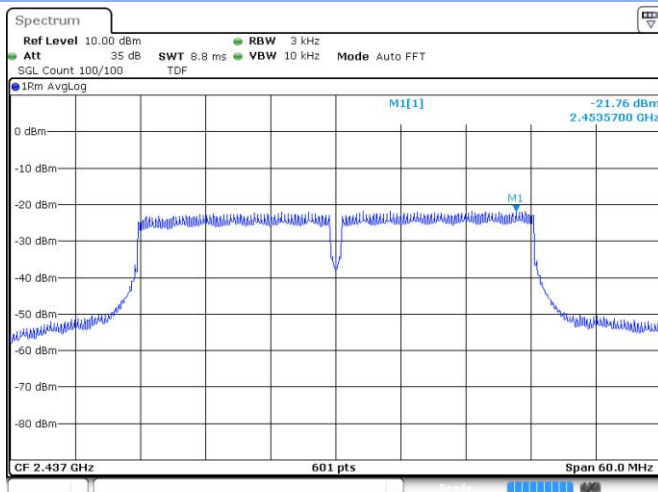
Date: 18 MAR 2021 19:55:07

## 802.11ac-40 MHz LOW CHANNEL



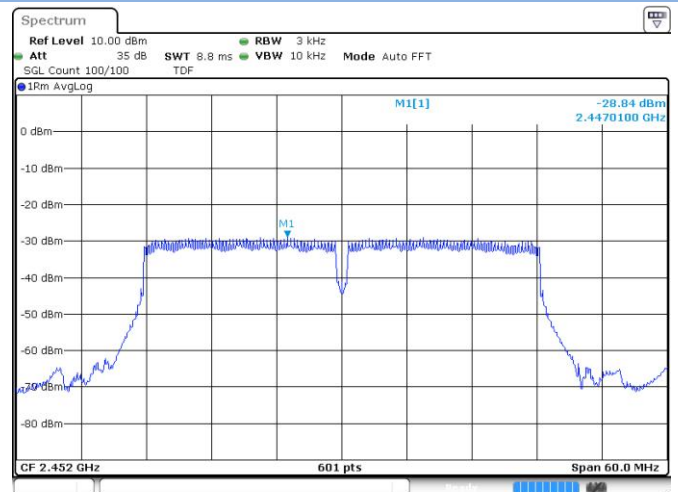
Date: 18 MAR 2021 19:57:47

## 802.11ac-40 MHz MIDDLE CHANNEL



Date: 13 MAR 2021 16:19:23

## 802.11ac-40 MHz HIGH CHANNEL



Date: 18 MAR 2021 20:00:06

## **ANNEX B TEST SETUP PHOTOS**

Please refer the document "BL-SZ2210074-AR.pdf".

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document "BL-SZ2210074-AW.pdf".

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document "BL-SZ2210074-AI.pdf".

--END OF REPORT--