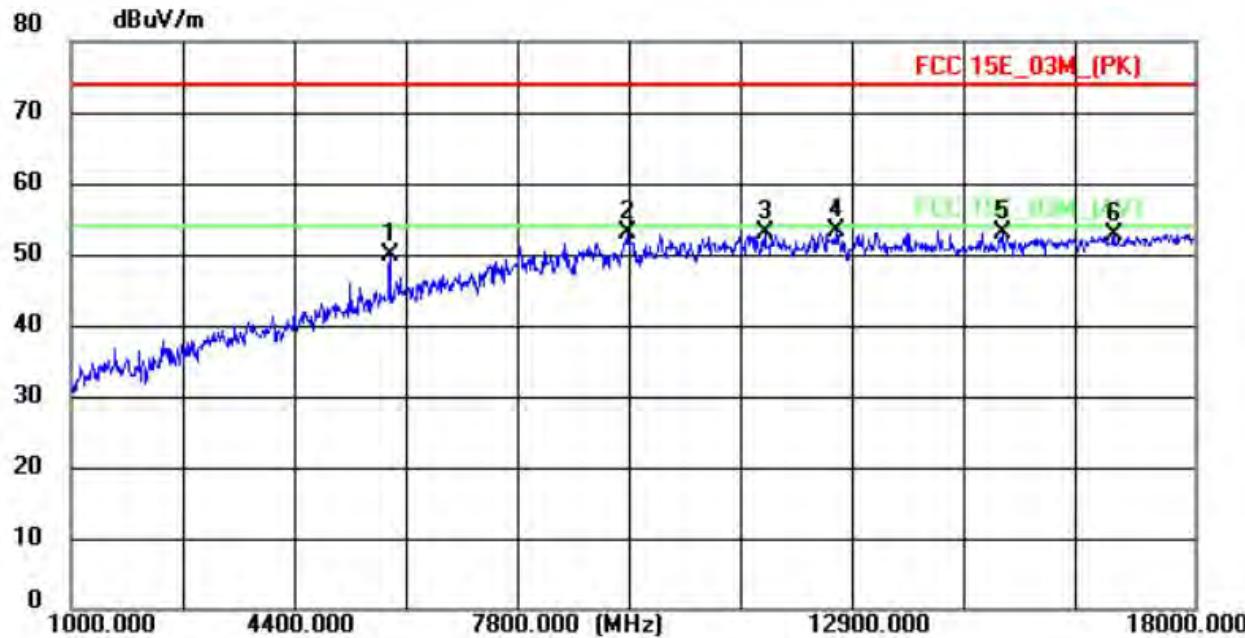
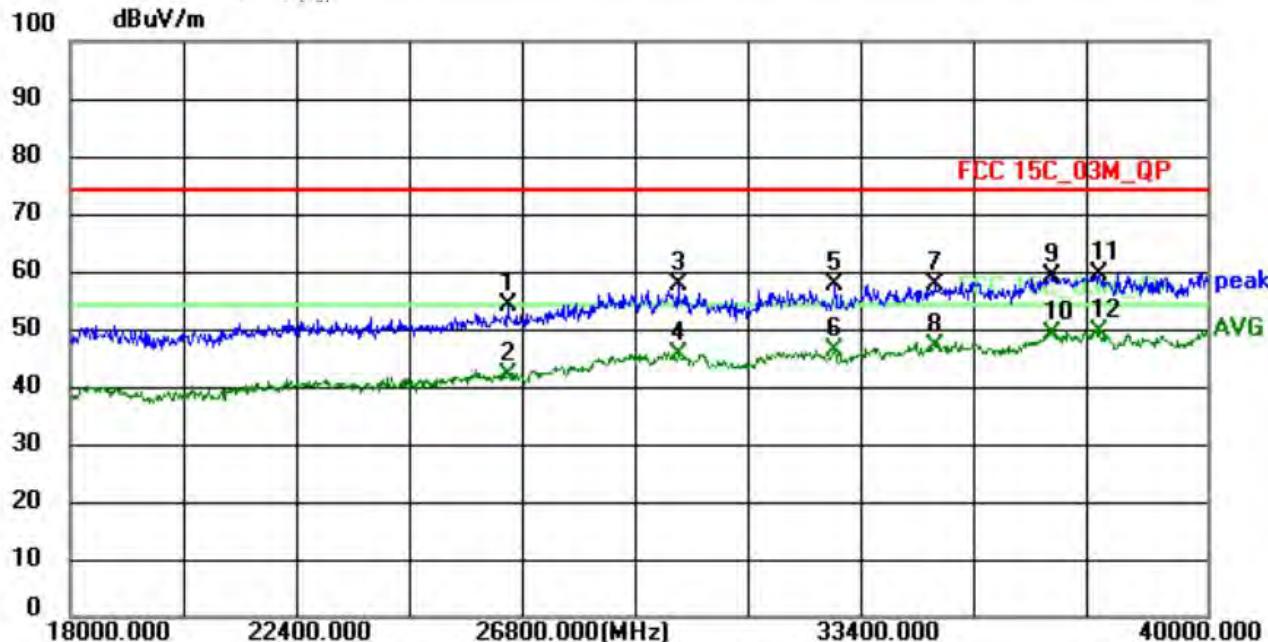


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	25656.0000	50.32	5.91	56.23	74.00	-17.77	peak
2	25656.0000	38.52	5.91	44.43	54.00	-9.57	AVG
3	26976.0000	48.96	6.84	55.80	74.00	-18.20	peak
4	26976.0000	38.29	6.84	45.13	54.00	-8.87	AVG
5	27988.0000	49.76	7.60	57.36	74.00	-16.64	peak
6	27988.0000	36.47	7.60	44.07	54.00	-9.93	AVG
7	29572.0000	47.63	9.19	56.82	74.00	-17.18	peak
8	29572.0000	36.41	9.19	45.60	54.00	-8.40	AVG
9	33884.0000	48.66	9.49	58.15	74.00	-15.85	peak
10	33884.0000	36.81	9.49	46.30	54.00	-7.70	AVG
11	37844.0000	49.68	9.89	59.57	74.00	-14.43	peak
12 *	37844.0000	39.27	9.89	49.16	54.00	-4.84	AVG

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11ac20-5825

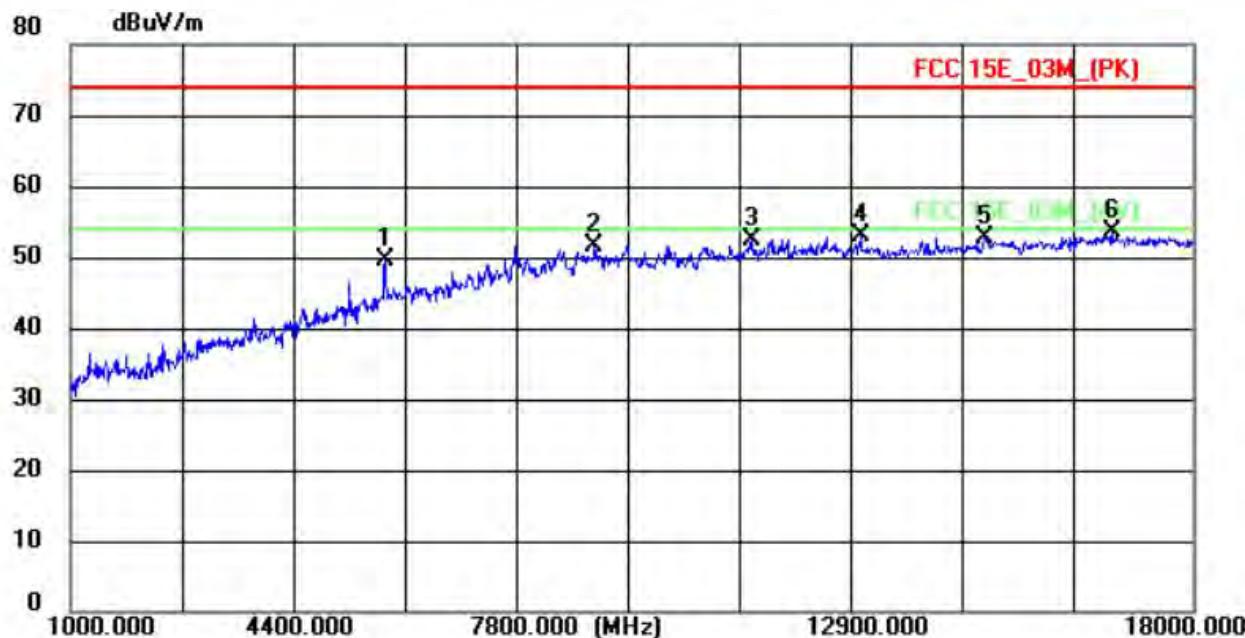


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5828.0000	54.68	-4.68	50.00	74.00	-24.00	peak
2	9415.0000	51.28	1.85	53.13	74.00	-20.87	peak
3	11506.0000	48.96	3.91	52.87	74.00	-21.13	peak
4 *	12594.0000	47.82	5.34	53.16	74.00	-20.84	peak
5	15093.0000	44.14	8.94	53.08	74.00	-20.92	peak
6	16776.0000	42.04	10.67	52.71	74.00	-21.29	peak

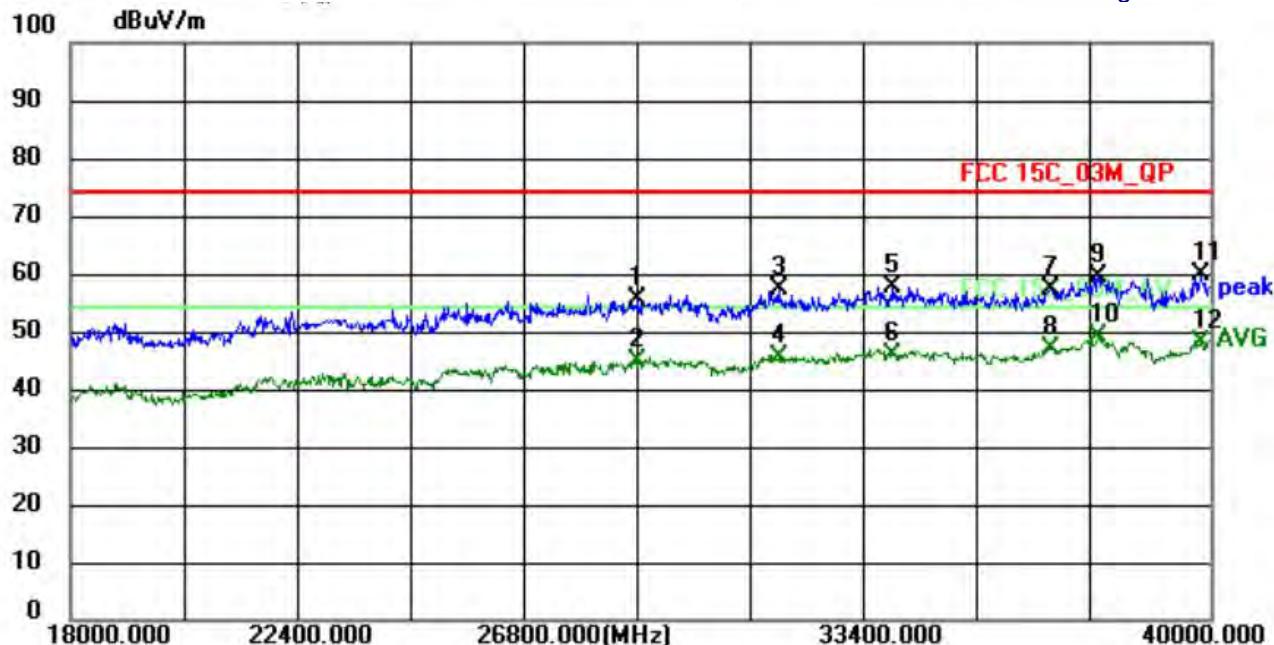


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	26470.0000	47.86	6.28	54.14	74.00	-19.86	peak
2	26470.0000	35.66	6.28	41.94	54.00	-12.06	AVG
3	29770.0000	48.63	9.14	57.77	74.00	-16.23	peak
4	29770.0000	36.33	9.14	45.47	54.00	-8.53	AVG
5	32806.0000	48.38	9.25	57.63	74.00	-16.37	peak
6	32806.0000	37.08	9.25	46.33	54.00	-7.67	AVG
7	34720.0000	47.70	9.95	57.65	74.00	-16.35	peak
8	34720.0000	36.84	9.95	46.79	54.00	-7.21	AVG
9	36986.0000	49.31	9.74	59.05	74.00	-14.95	peak
10	36986.0000	39.39	9.74	49.13	54.00	-4.87	AVG
11	37932.0000	49.50	9.90	59.40	74.00	-14.60	peak
12 *	37932.0000	39.41	9.90	49.31	54.00	-4.69	AVG

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n40-5755

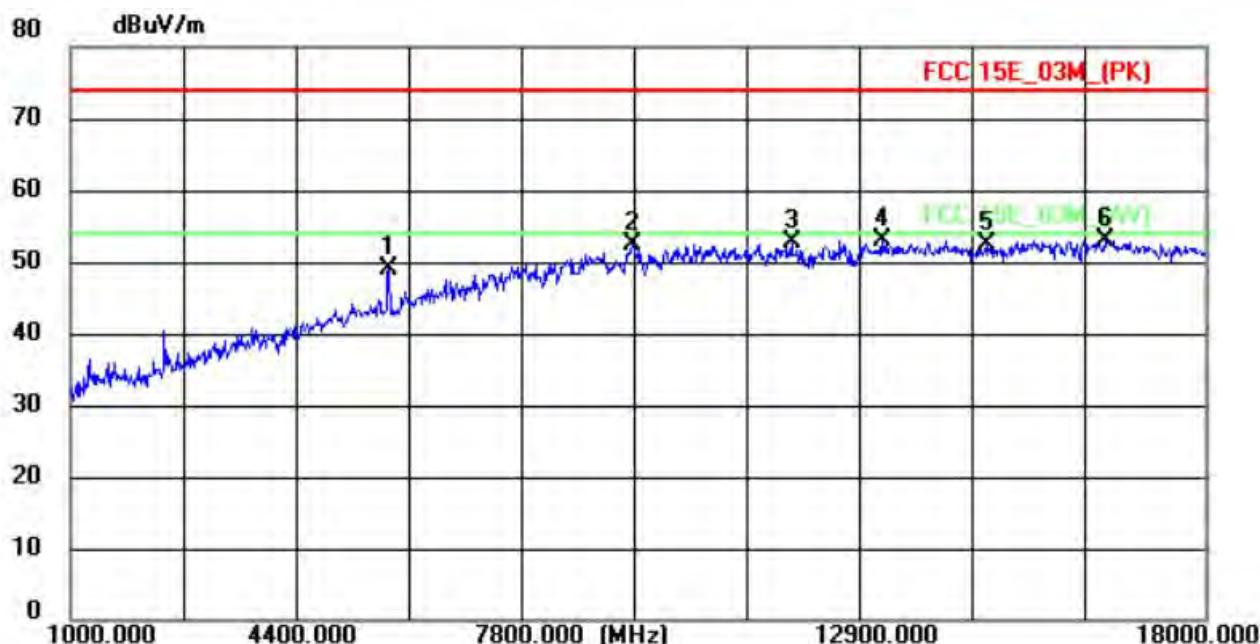


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5760.0000	54.61	-4.93	49.68	74.00	-24.32	peak
2	8939.0000	49.97	1.54	51.51	74.00	-22.49	peak
3	11319.0000	48.81	3.70	52.51	74.00	-21.49	peak
4	12968.0000	47.07	5.88	52.95	74.00	-21.05	peak
5	14855.0000	44.00	8.63	52.63	74.00	-21.37	peak
6 *	16776.0000	43.01	10.67	53.68	74.00	-20.32	peak

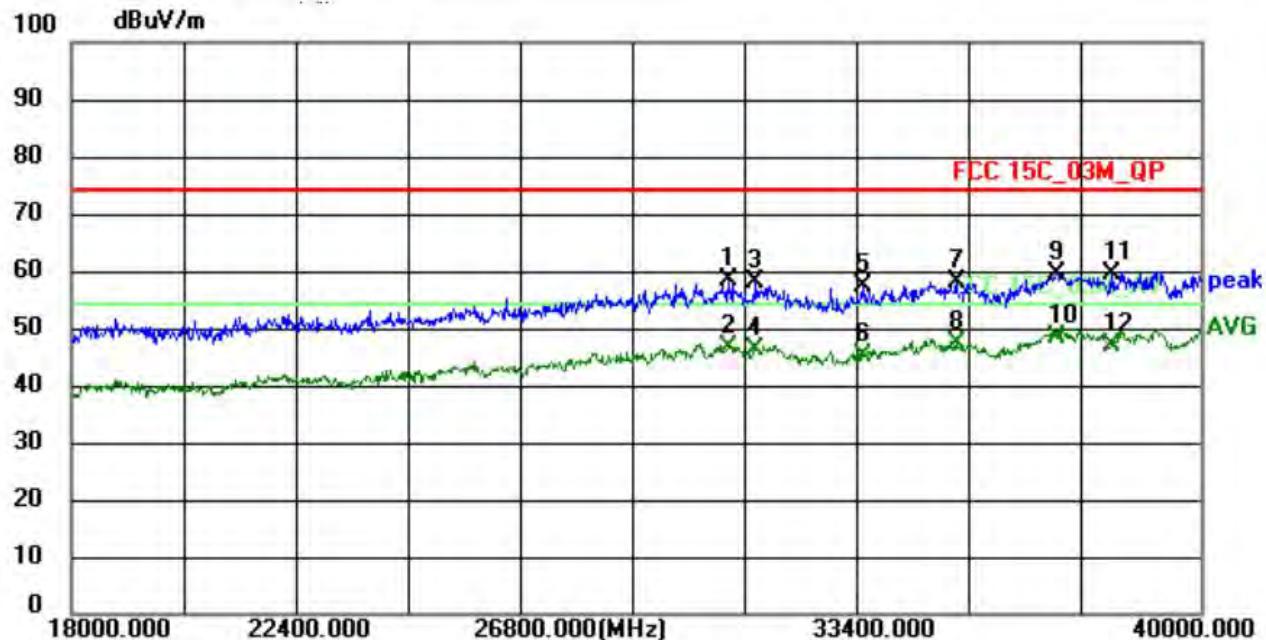


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	28956.0000	46.54	9.06	55.60	74.00	-18.40	peak
2	28956.0000	35.60	9.06	44.66	54.00	-9.34	AVG
3	31662.0000	47.93	9.35	57.28	74.00	-16.72	peak
4	31662.0000	36.34	9.35	45.69	54.00	-8.31	AVG
5	33884.0000	48.16	9.49	57.65	74.00	-16.35	peak
6	33884.0000	36.31	9.49	45.80	54.00	-8.20	AVG
7	36942.0000	47.62	9.74	57.36	74.00	-16.64	peak
8	36942.0000	37.19	9.74	46.93	54.00	-7.07	AVG
9	37844.0000	49.68	9.89	59.57	74.00	-14.43	peak
10 *	37844.0000	39.27	9.89	49.16	54.00	-4.84	AVG
11	39802.0000	49.90	9.92	59.82	74.00	-14.18	peak
12	39802.0000	37.94	9.92	47.86	54.00	-6.14	AVG

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n40-5755

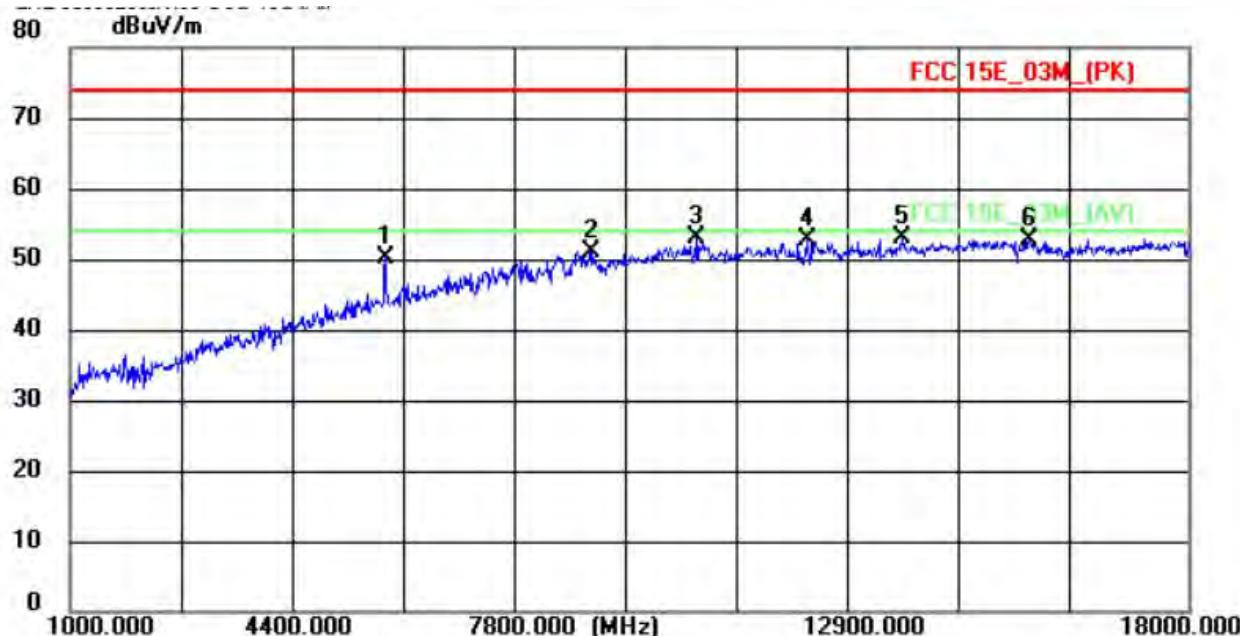


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5777.0000	54.00	-4.87	49.13	74.00	-24.87	peak
2	9415.0000	50.57	1.85	52.42	74.00	-21.58	peak
3	11812.0000	48.40	4.26	52.66	74.00	-21.34	peak
4 *	13172.0000	46.92	6.18	53.10	74.00	-20.90	peak
5	14719.0000	43.99	8.44	52.43	74.00	-21.57	peak
6	16521.0000	42.57	10.41	52.98	74.00	-21.02	peak

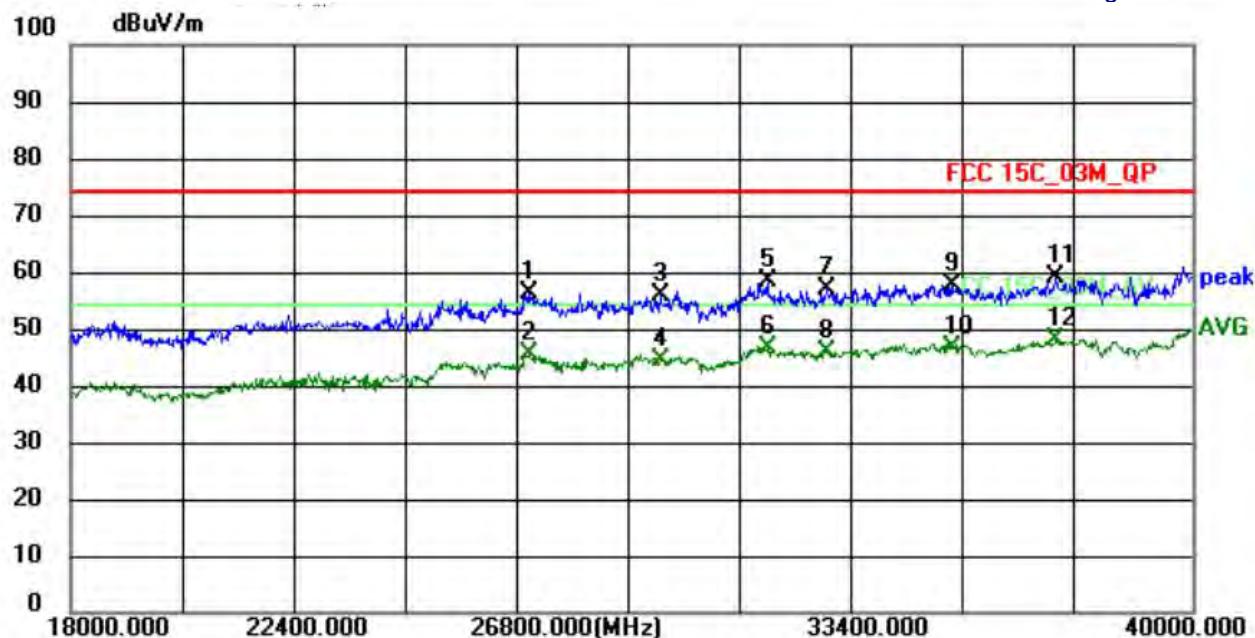


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30826.0000	49.28	9.02	58.30	74.00	-15.70	peak
2	30826.0000	37.50	9.02	46.52	54.00	-7.48	AVG
3	31332.0000	48.82	9.23	58.05	74.00	-15.95	peak
4	31332.0000	36.92	9.23	46.15	54.00	-7.85	AVG
5	33444.0000	47.93	9.31	57.24	74.00	-16.76	peak
6	33444.0000	35.92	9.31	45.23	54.00	-8.77	AVG
7	35248.0000	47.92	10.18	58.10	74.00	-15.90	peak
8	35248.0000	37.18	10.18	47.36	54.00	-6.64	AVG
9	37184.0000	49.61	9.76	59.37	74.00	-14.63	peak
10 *	37184.0000	38.52	9.76	48.28	54.00	-5.72	AVG
11	38262.0000	49.95	9.44	59.39	74.00	-14.61	peak
12	38262.0000	37.67	9.44	47.11	54.00	-6.89	AVG

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n40-5795

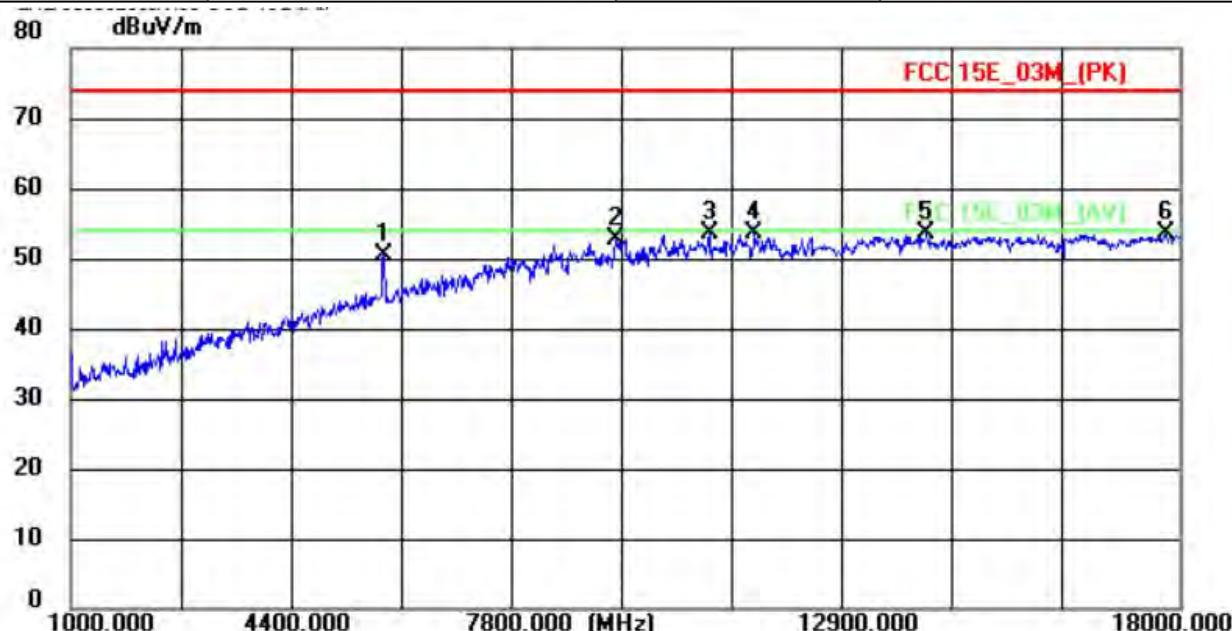


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5794.0000	54.95	-4.81	50.14	74.00	-23.86	peak
2	8922.0000	49.52	1.51	51.03	74.00	-22.97	peak
3	10520.0000	50.30	2.79	53.09	74.00	-20.91	peak
4	12203.0000	47.94	4.77	52.71	74.00	-21.29	peak
5 *	13665.0000	46.22	6.89	53.11	74.00	-20.89	peak
6	15603.0000	43.12	9.46	52.58	74.00	-21.42	peak

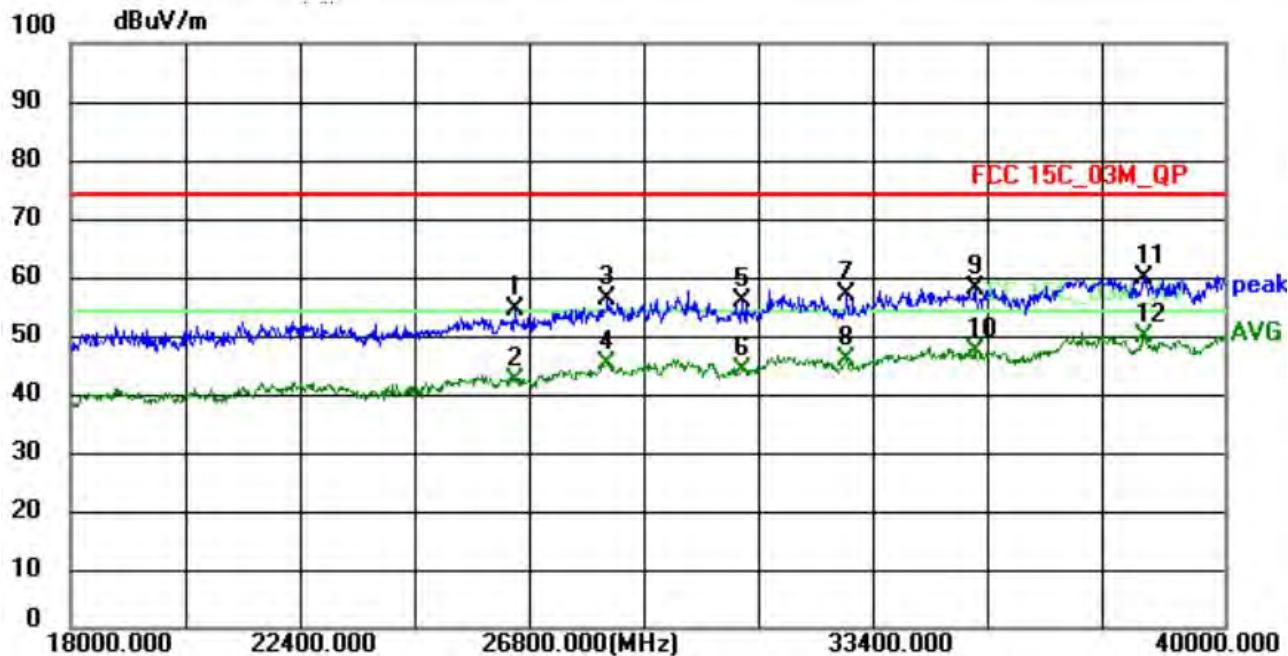


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	26976.0000	49.46	6.84	56.30	74.00	-17.70	peak
2	26976.0000	38.79	6.84	45.63	54.00	-8.37	AVG
3	29572.0000	46.63	9.19	55.82	74.00	-18.18	peak
4	29572.0000	35.41	9.19	44.60	54.00	-9.40	AVG
5	31662.0000	48.93	9.35	58.28	74.00	-15.72	peak
6	31662.0000	37.34	9.35	46.69	54.00	-7.31	AVG
7	32850.0000	47.71	9.23	56.94	74.00	-17.06	peak
8	32850.0000	36.49	9.23	45.72	54.00	-8.28	AVG
9	35292.0000	47.59	10.20	57.79	74.00	-16.21	peak
10	35292.0000	36.44	10.20	46.64	54.00	-7.36	AVG
11	37338.0000	49.20	9.80	59.00	74.00	-15.00	peak
12 *	37338.0000	38.08	9.80	47.88	54.00	-6.12	AVG

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n40-5795

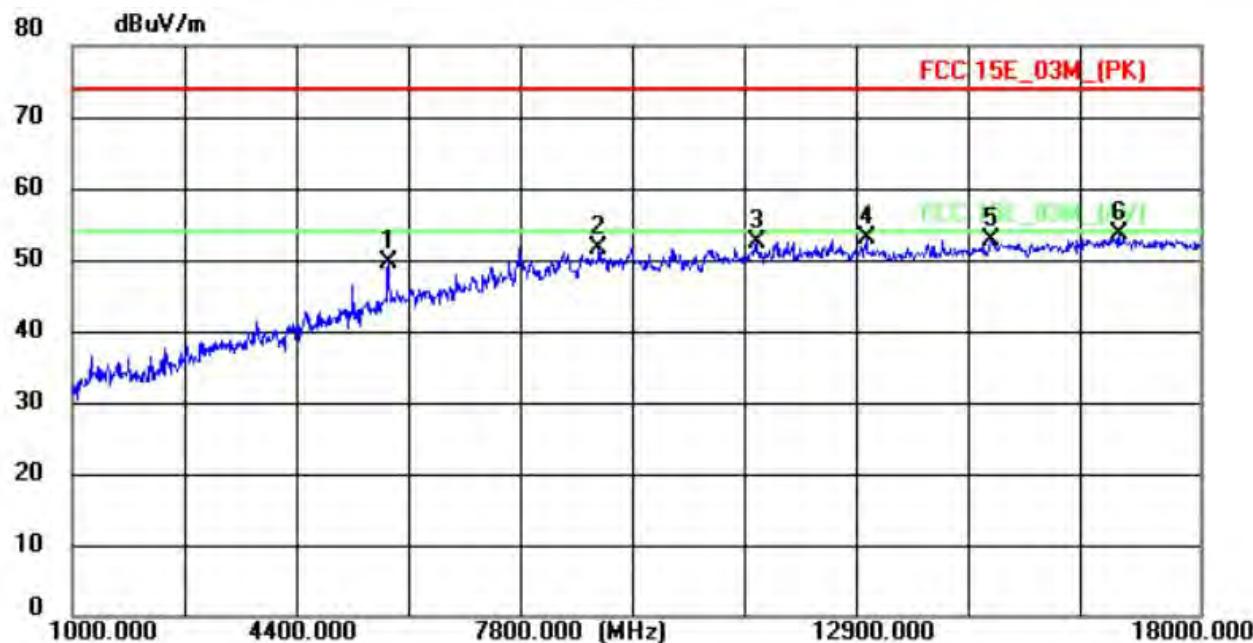


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5794.0000	55.25	-4.81	50.44	74.00	-23.56	peak
2	9347.0000	50.98	1.82	52.80	74.00	-21.20	peak
3	10792.0000	50.52	3.10	53.62	74.00	-20.38	peak
4 *	11489.0000	49.79	3.89	53.68	74.00	-20.32	peak
5	14124.0000	45.92	7.58	53.50	74.00	-20.50	peak
6	17813.0000	41.77	11.73	53.50	74.00	-20.50	peak

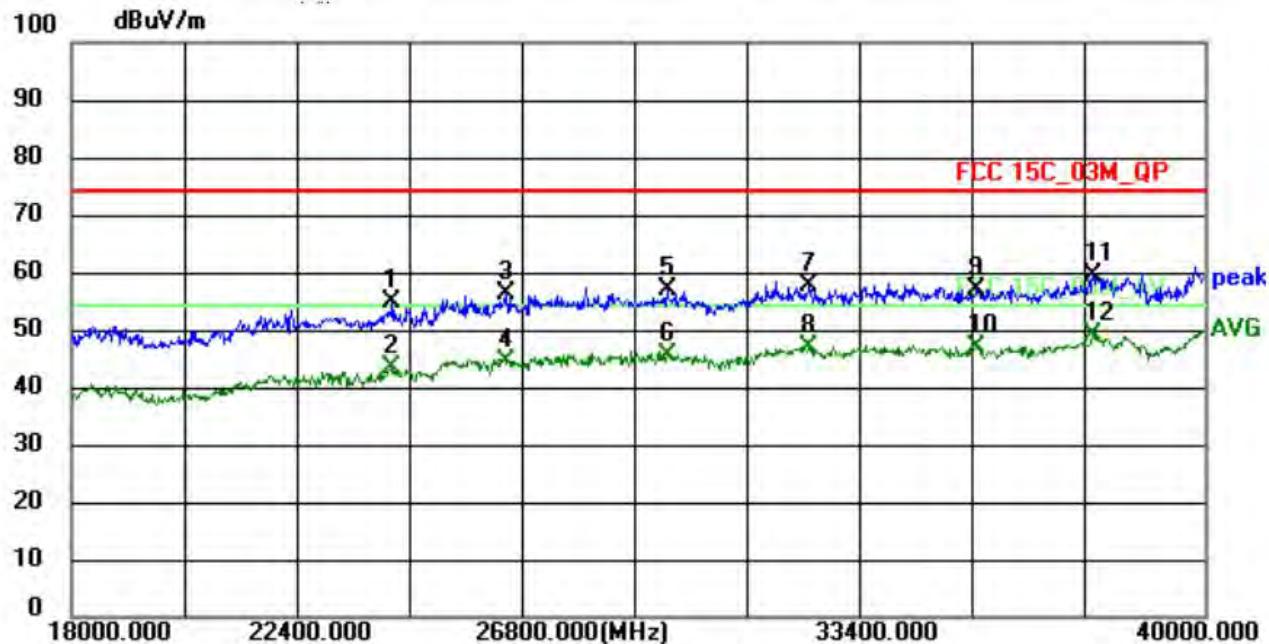


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	26470.0000	48.36	6.28	54.64	74.00	-19.36	peak
2	26470.0000	36.16	6.28	42.44	54.00	-11.56	AVG
3	28230.0000	48.41	7.97	56.38	74.00	-17.62	peak
4	28230.0000	37.28	7.97	45.25	54.00	-8.75	AVG
5	30826.0000	46.78	9.02	55.80	74.00	-18.20	peak
6	30826.0000	35.00	9.02	44.02	54.00	-9.98	AVG
7	32806.0000	47.88	9.25	57.13	74.00	-16.87	peak
8	32806.0000	36.58	9.25	45.83	54.00	-8.17	AVG
9	35248.0000	47.92	10.18	58.10	74.00	-15.90	peak
10	35248.0000	37.18	10.18	47.36	54.00	-6.64	AVG
11	38460.0000	50.57	9.08	59.65	74.00	-14.35	peak
12 *	38460.0000	40.66	9.08	49.74	54.00	-4.26	AVG

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11ac40-5755

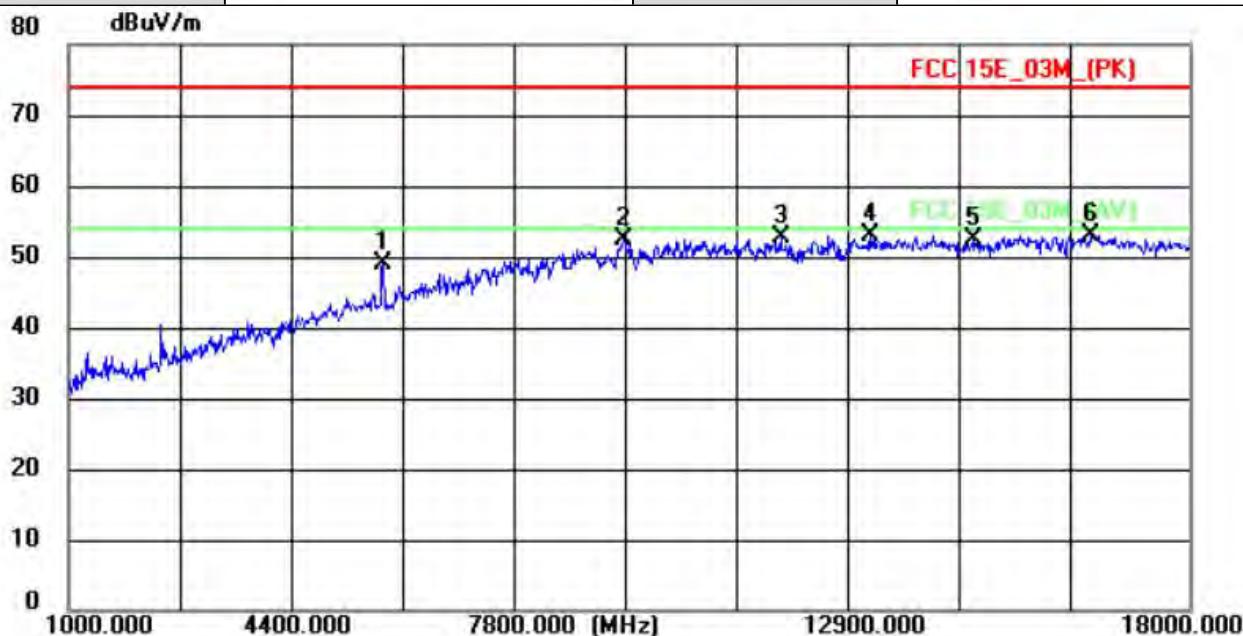


No.	Frequency (MHz)	Reading (dB <sub>uV</sub> )	Factor (dB/m)	Level (dB <sub>uV/m</sub> )	Limit (dB <sub>uV/m</sub> )	Margin (dB)	Detector
1	5760.0000	54.61	-4.93	49.68	74.00	-24.32	peak
2	8939.0000	49.97	1.54	51.51	74.00	-22.49	peak
3	11319.0000	48.81	3.70	52.51	74.00	-21.49	peak
4	12968.0000	47.07	5.88	52.95	74.00	-21.05	peak
5	14855.0000	44.00	8.63	52.63	74.00	-21.37	peak
6 *	16776.0000	43.01	10.67	53.68	74.00	-20.32	peak

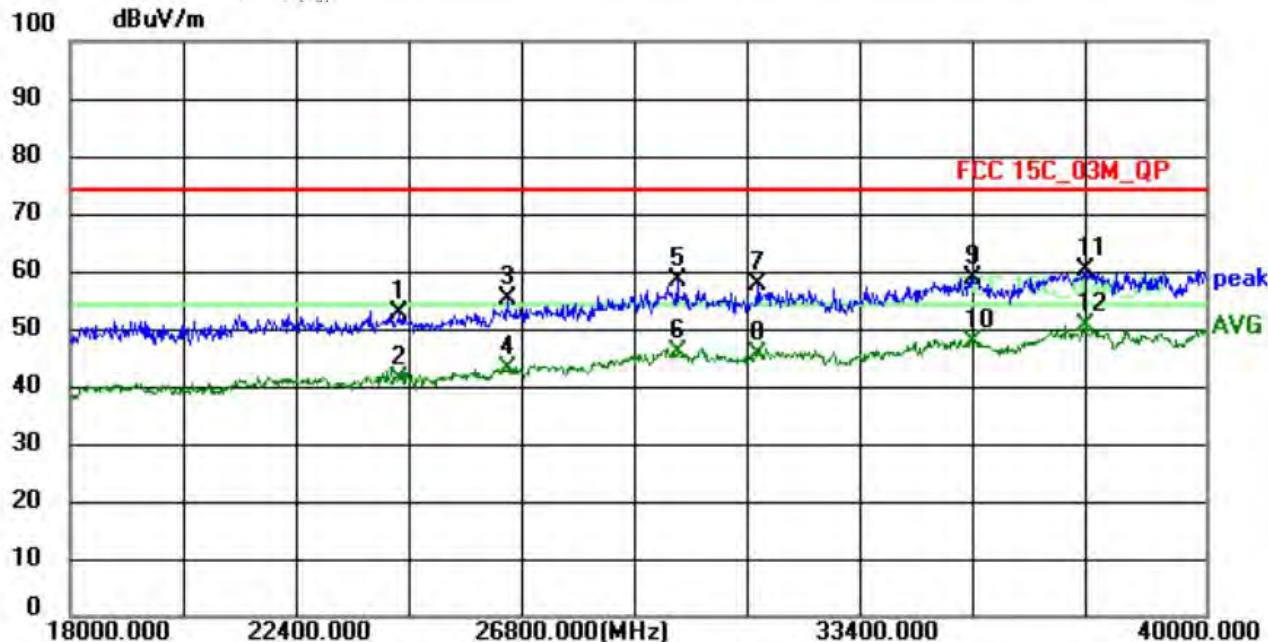


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	24226.0000	50.08	4.74	54.82	74.00	-19.18	peak
2	24226.0000	38.49	4.74	43.23	54.00	-10.77	AVG
3	26426.0000	49.84	6.26	56.10	74.00	-17.90	peak
4	26426.0000	38.19	6.26	44.45	54.00	-9.55	AVG
5	29572.0000	47.63	9.19	56.82	74.00	-17.18	peak
6	29572.0000	36.41	9.19	45.60	54.00	-8.40	AVG
7	32322.0000	48.14	9.37	57.51	74.00	-16.49	peak
8	32322.0000	37.57	9.37	46.94	54.00	-7.06	AVG
9	35578.0000	46.84	10.23	57.07	74.00	-16.93	peak
10	35578.0000	36.85	10.23	47.08	54.00	-6.92	AVG
11	37844.0000	49.68	9.89	59.57	74.00	-14.43	peak
12 *	37844.0000	39.27	9.89	49.16	54.00	-4.84	AVG

Temperature:	25.2 °C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11ac40-5755

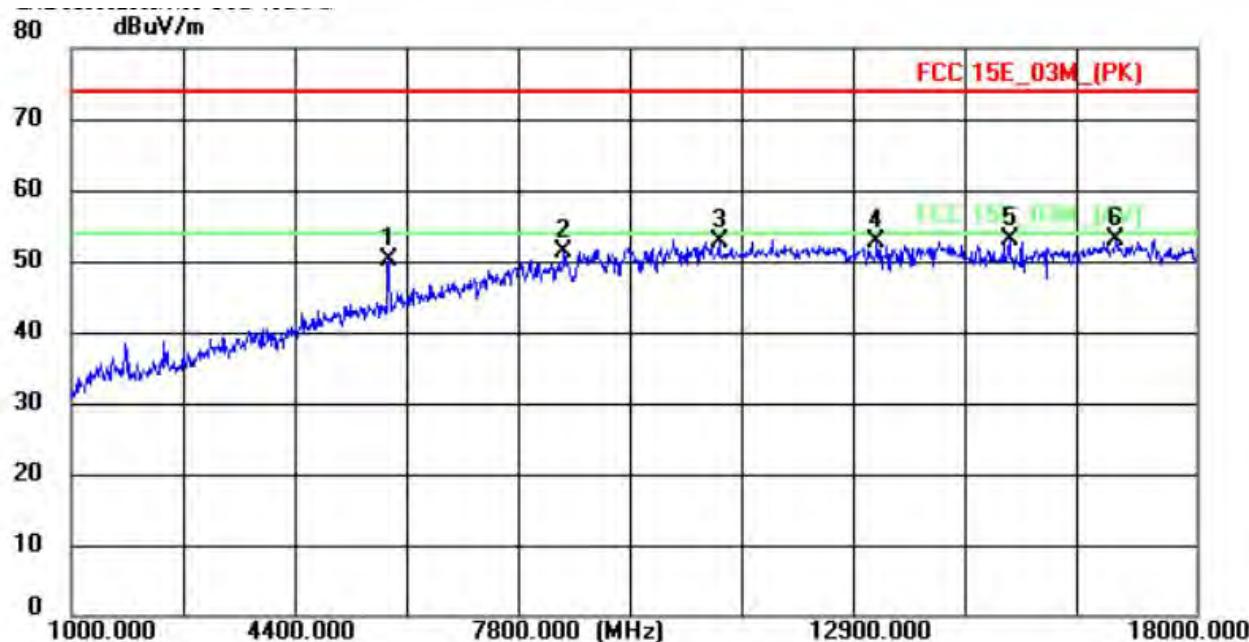


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5777.0000	54.00	-4.87	49.13	74.00	-24.87	peak
2	9415.0000	50.57	1.85	52.42	74.00	-21.58	peak
3	11812.0000	48.40	4.26	52.66	74.00	-21.34	peak
4 *	13172.0000	46.92	6.18	53.10	74.00	-20.90	peak
5	14719.0000	43.99	8.44	52.43	74.00	-21.57	peak
6	16521.0000	42.57	10.41	52.98	74.00	-21.02	peak

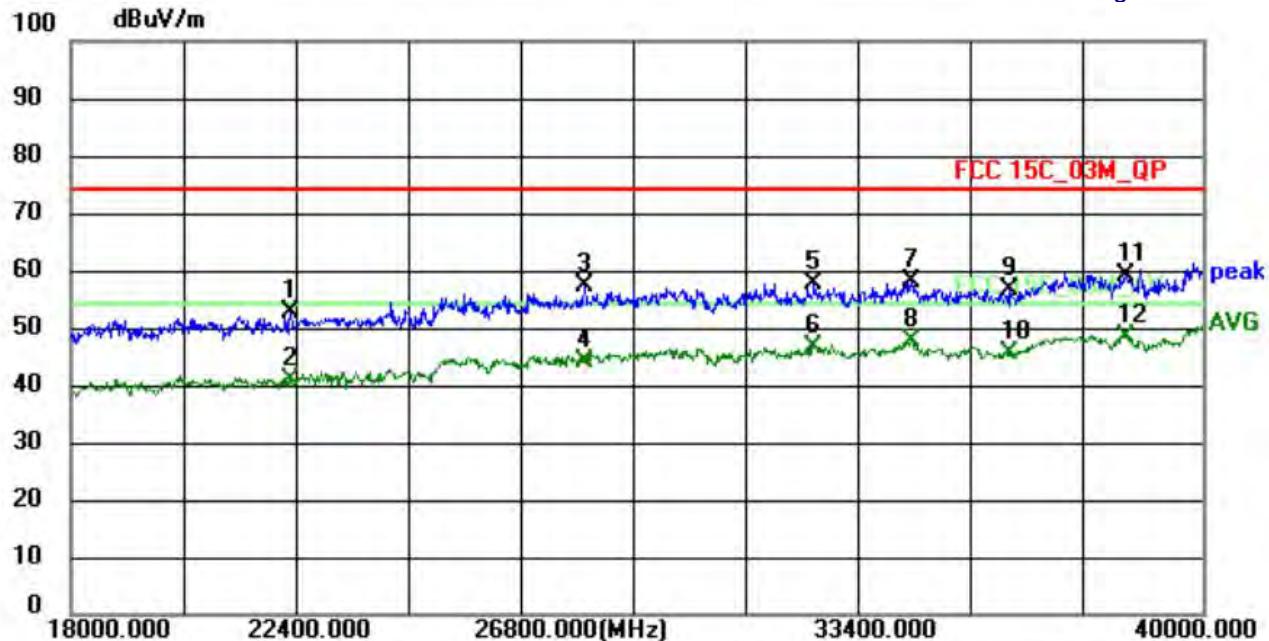


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	24380.0000	47.97	4.79	52.76	74.00	-21.24	peak
2	24380.0000	36.31	4.79	41.10	54.00	-12.90	AVG
3	26470.0000	48.86	6.28	55.14	74.00	-18.86	peak
4	26470.0000	36.66	6.28	42.94	54.00	-11.06	AVG
5	29770.0000	49.13	9.14	58.27	74.00	-15.73	peak
6	29770.0000	36.83	9.14	45.97	54.00	-8.03	AVG
7	31332.0000	48.32	9.23	57.55	74.00	-16.45	peak
8	31332.0000	36.42	9.23	45.65	54.00	-8.35	AVG
9	35512.0000	48.37	10.27	58.64	74.00	-15.36	peak
10	35512.0000	37.27	10.27	47.54	54.00	-6.46	AVG
11	37668.0000	50.23	9.86	60.09	74.00	-13.91	peak
12 *	37668.0000	40.53	9.86	50.39	54.00	-3.61	AVG

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11ac40-5795

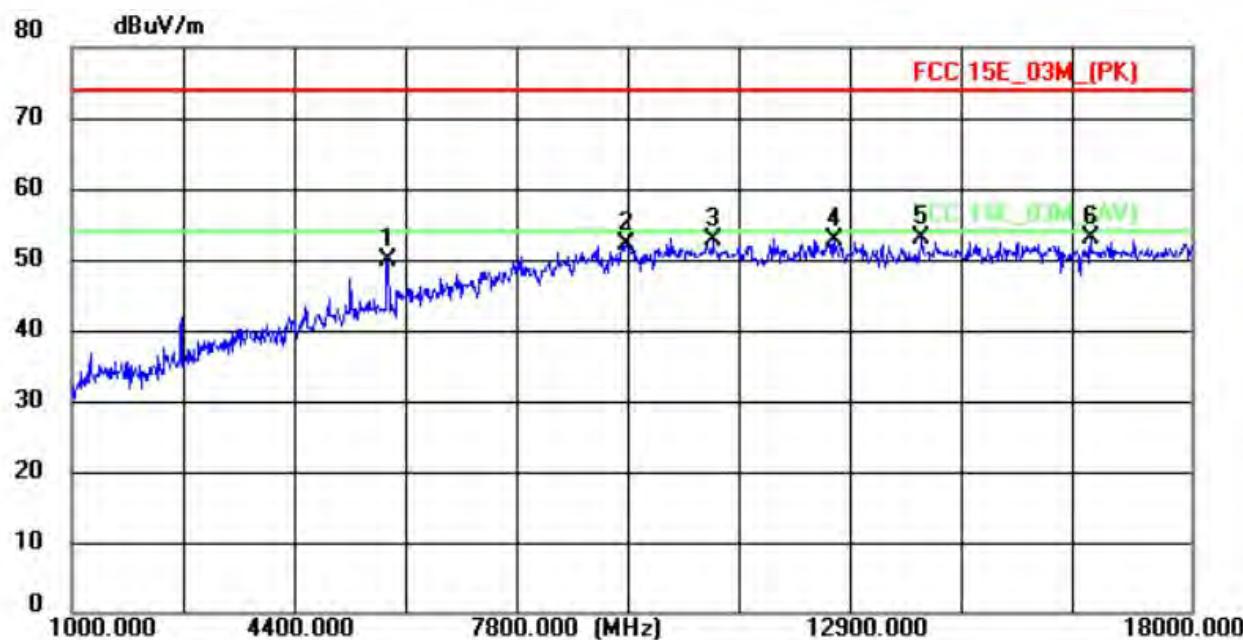


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5794.0000	54.91	-4.81	50.10	74.00	-23.90	peak
2	8446.0000	50.45	0.91	51.36	74.00	-22.64	peak
3	10792.0000	49.74	3.10	52.84	74.00	-21.16	peak
4	13172.0000	46.66	6.18	52.84	74.00	-21.16	peak
5	15178.0000	43.95	9.03	52.98	74.00	-21.02	peak
6 *	16793.0000	42.33	10.68	53.01	74.00	-20.99	peak

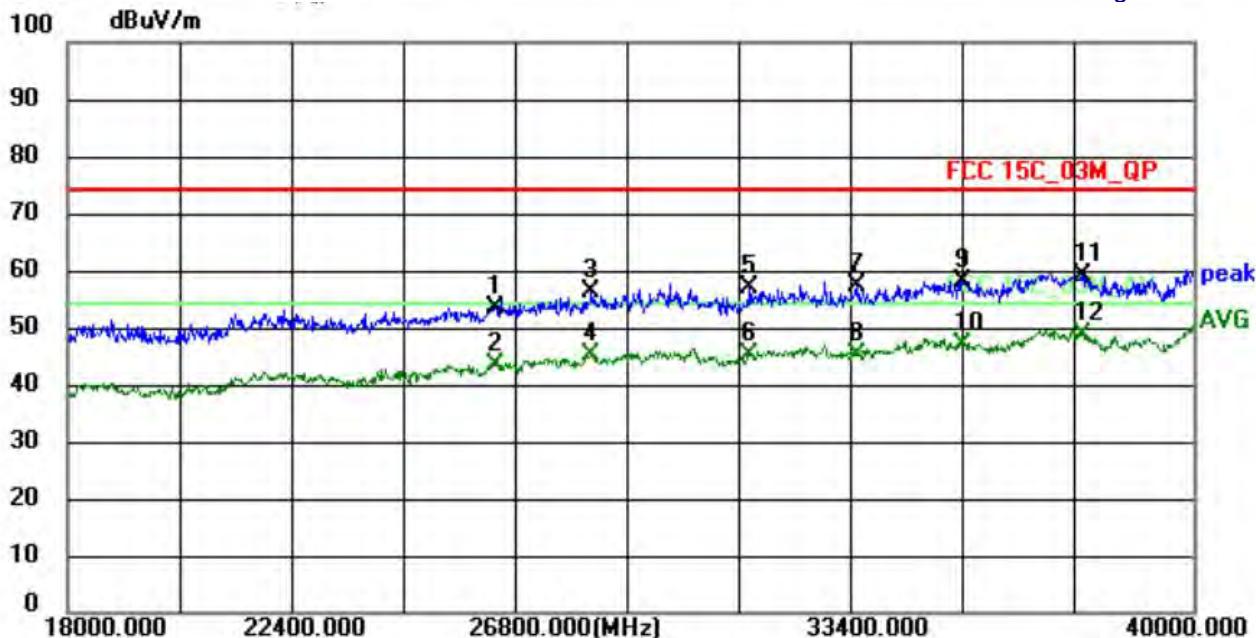


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	22268.0000	49.19	3.64	52.83	74.00	-21.17	peak
2	22268.0000	37.13	3.64	40.77	54.00	-13.23	AVG
3	27988.0000	49.76	7.60	57.36	74.00	-16.64	peak
4	27988.0000	36.47	7.60	44.07	54.00	-9.93	AVG
5	32454.0000	48.20	9.35	57.55	74.00	-16.45	peak
6	32454.0000	37.13	9.35	46.48	54.00	-7.52	AVG
7	34324.0000	48.43	9.73	58.16	74.00	-15.84	peak
8	34324.0000	37.82	9.73	47.55	54.00	-6.45	AVG
9	36260.0000	46.85	9.85	56.70	74.00	-17.30	peak
10	36260.0000	35.78	9.85	45.63	54.00	-8.37	AVG
11	38504.0000	50.14	9.02	59.16	74.00	-14.84	peak
12 *	38504.0000	39.46	9.02	48.48	54.00	-5.52	AVG

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11ac40-5795



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5811.0000	54.63	-4.74	49.89	74.00	-24.11	peak
2	9432.0000	50.29	1.87	52.16	74.00	-21.84	peak
3	10741.0000	49.60	3.04	52.64	74.00	-21.36	peak
4	12577.0000	47.47	5.31	52.78	74.00	-21.22	peak
5	13903.0000	45.62	7.25	52.87	74.00	-21.13	peak
6 *	16470.0000	42.62	10.35	52.97	74.00	-21.03	peak



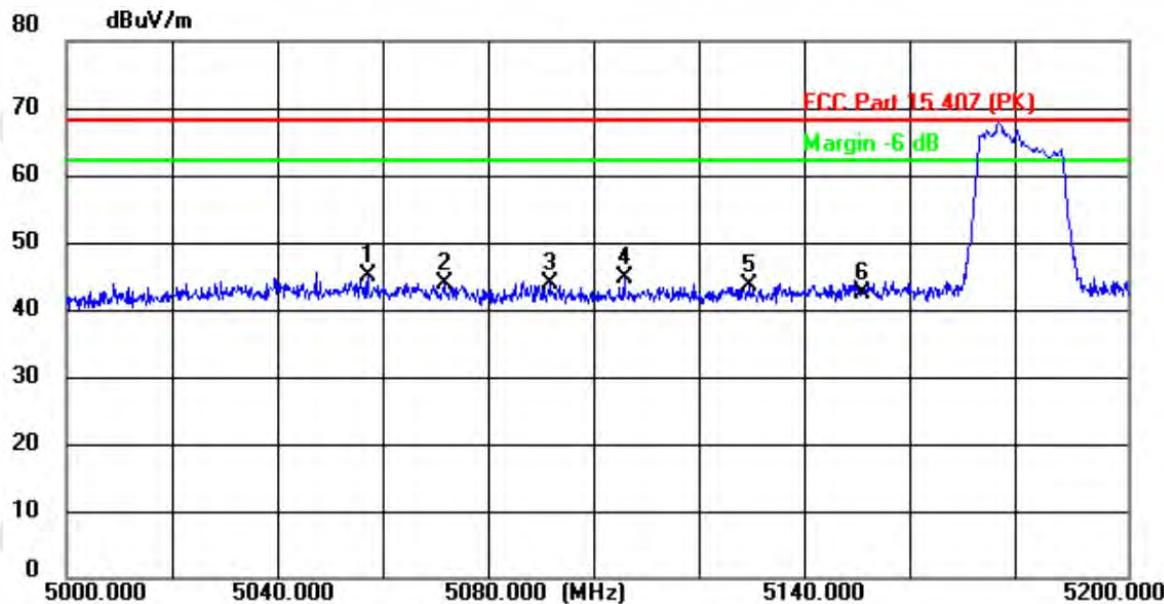
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	26360.0000	47.27	6.23	53.50	74.00	-20.50	peak
2	26360.0000	37.22	6.23	43.45	54.00	-10.55	AVG
3	28230.0000	48.41	7.97	56.38	74.00	-17.62	peak
4	28230.0000	37.28	7.97	45.25	54.00	-8.75	AVG
5	31332.0000	47.82	9.23	57.05	74.00	-16.95	peak
6	31332.0000	35.92	9.23	45.15	54.00	-8.85	AVG
7	33444.0000	47.93	9.31	57.24	74.00	-16.76	peak
8	33444.0000	35.92	9.31	45.23	54.00	-8.77	AVG
9	35512.0000	47.87	10.27	58.14	74.00	-15.86	peak
10	35512.0000	36.77	10.27	47.04	54.00	-6.96	AVG
11	37822.0000	49.33	9.89	59.22	74.00	-14.78	peak
12 *	37822.0000	38.90	9.89	48.79	54.00	-5.21	AVG

## Note:

1. Level = Read Level + Antenna Factor+ Cable loss- Preamp Factor.
2. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

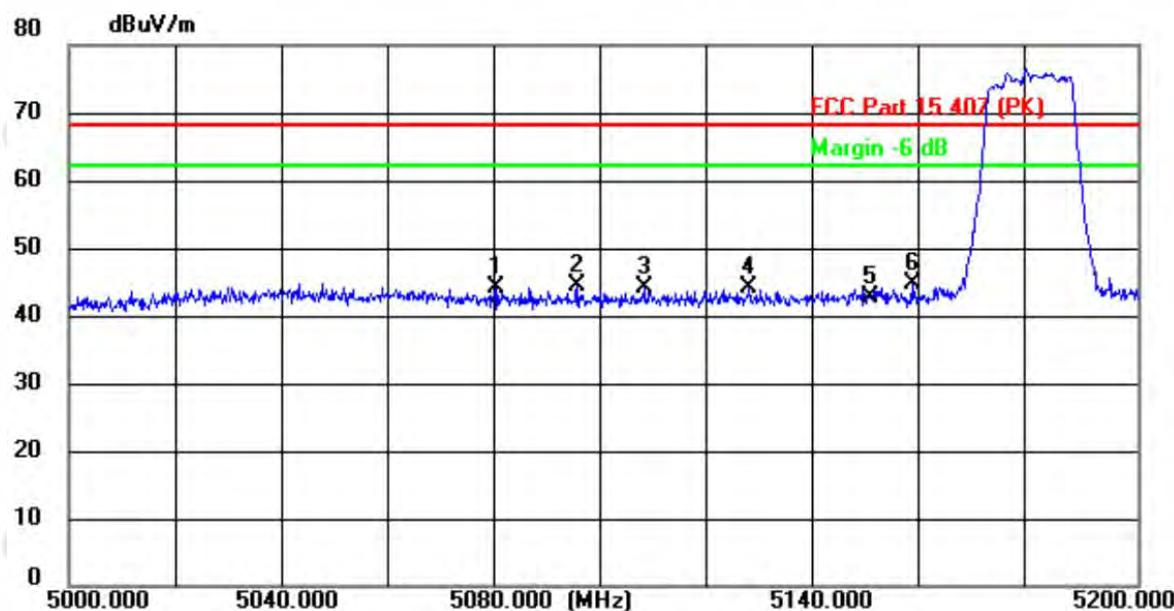


Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11a-5180



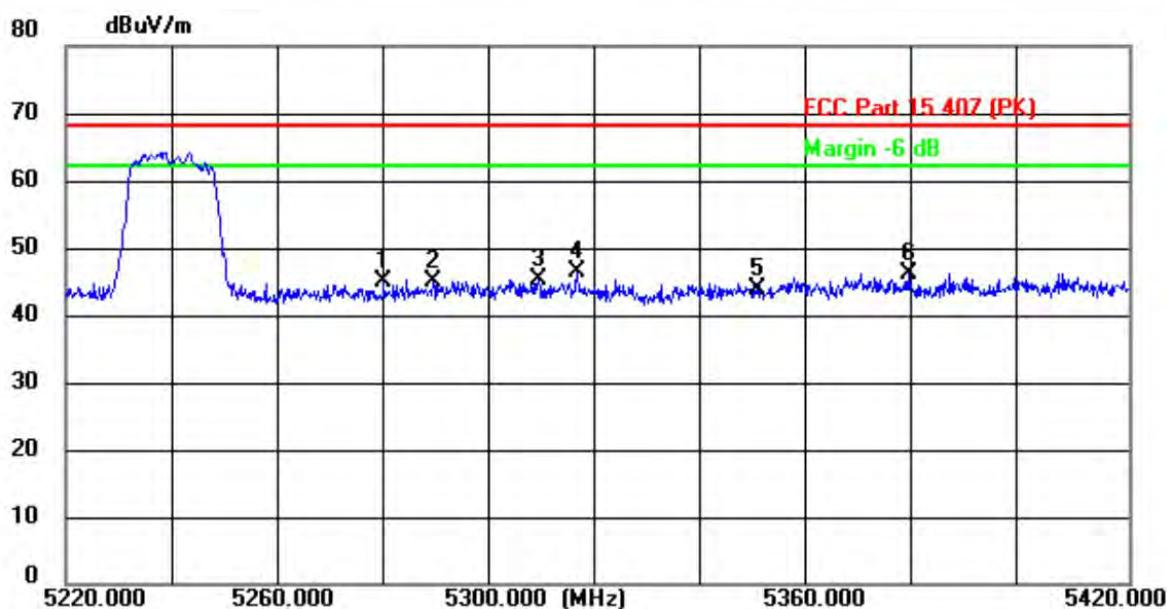
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5056.8000	51.54	-6.64	44.90	68.20	-23.30	peak
2	5071.2000	50.55	-6.61	43.94	68.20	-24.26	peak
3	5091.0000	50.57	-6.58	43.99	68.20	-24.21	peak
4	5105.2000	51.15	-6.56	44.59	68.20	-23.61	peak
5	5128.6000	50.02	-6.53	43.49	68.20	-24.71	peak
6	5150.0000	48.93	-6.49	42.44	68.20	-25.76	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11a-5180



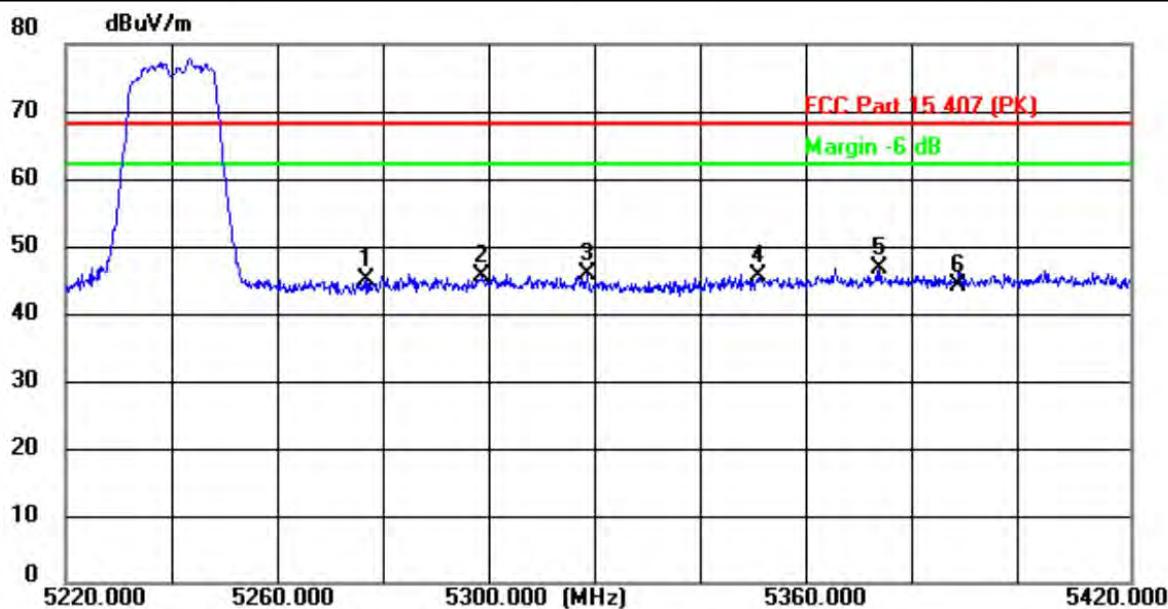
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5079.8000	50.72	-6.60	44.12	68.20	-24.08	peak
2	5095.0000	51.08	-6.58	44.50	68.20	-23.70	peak
3	5107.6000	50.65	-6.56	44.09	68.20	-24.11	peak
4	5127.4000	50.58	-6.53	44.05	68.20	-24.15	peak
5	5150.0000	49.09	-6.49	42.60	68.20	-25.60	peak
6 *	5157.8000	51.25	-6.48	44.77	68.20	-23.43	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11a-5240



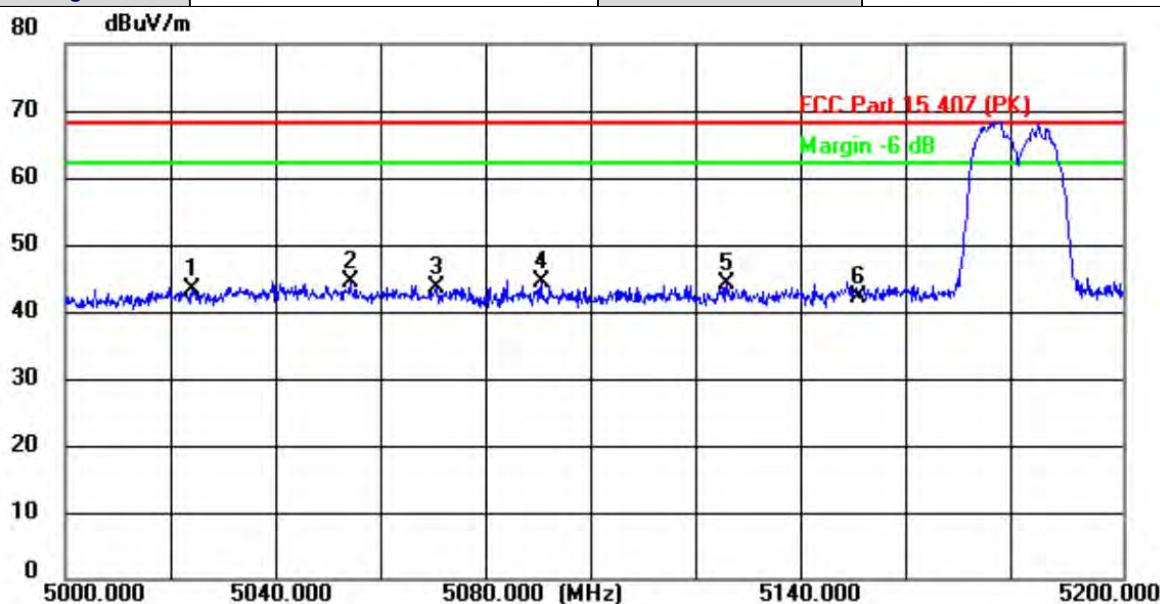
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5279.8000	51.37	-6.28	45.09	68.20	-23.11	peak
2	5289.2000	51.35	-6.26	45.09	68.20	-23.11	peak
3	5309.0000	51.49	-6.24	45.25	68.20	-22.95	peak
4 *	5316.2000	52.65	-6.22	46.43	68.20	-21.77	peak
5	5350.0000	49.90	-6.17	43.73	68.20	-24.47	peak
6	5378.6000	52.35	-6.12	46.23	68.20	-21.97	peak

Temperature:	25.2 °C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11a-5240



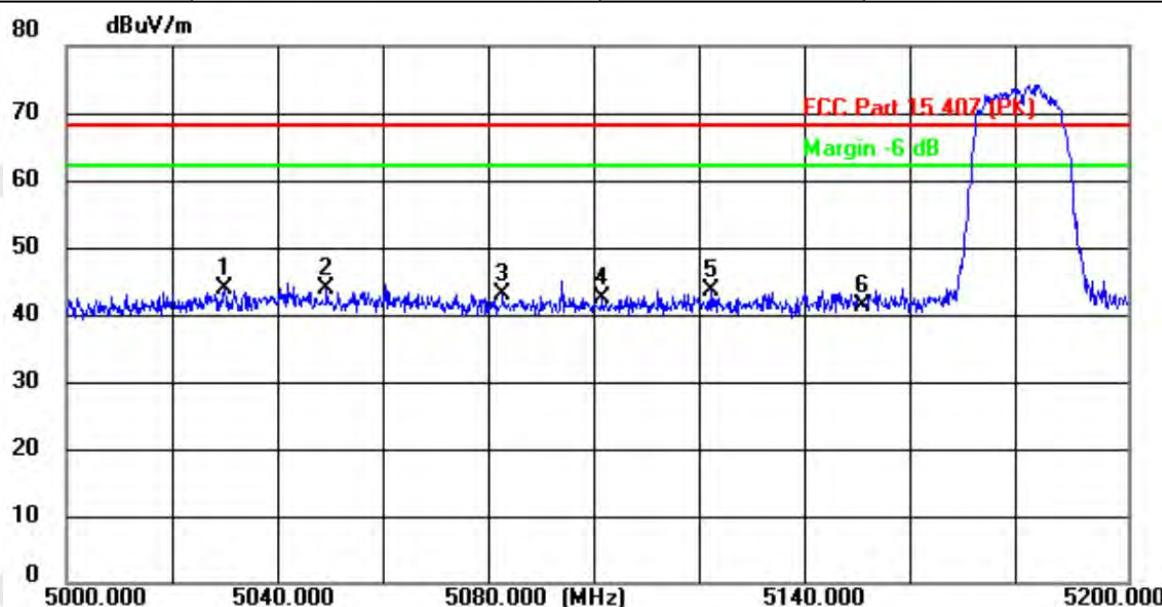
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5276.6000	51.24	-6.29	44.95	68.20	-23.25	peak
2	5298.2000	51.87	-6.25	45.62	68.20	-22.58	peak
3	5318.0000	51.95	-6.22	45.73	68.20	-22.47	peak
4	5350.0000	51.60	-6.17	45.43	68.20	-22.77	peak
5 *	5372.8000	52.89	-6.13	46.76	68.20	-21.44	peak
6	5387.8000	50.15	-6.10	44.05	68.20	-24.15	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n20-5180



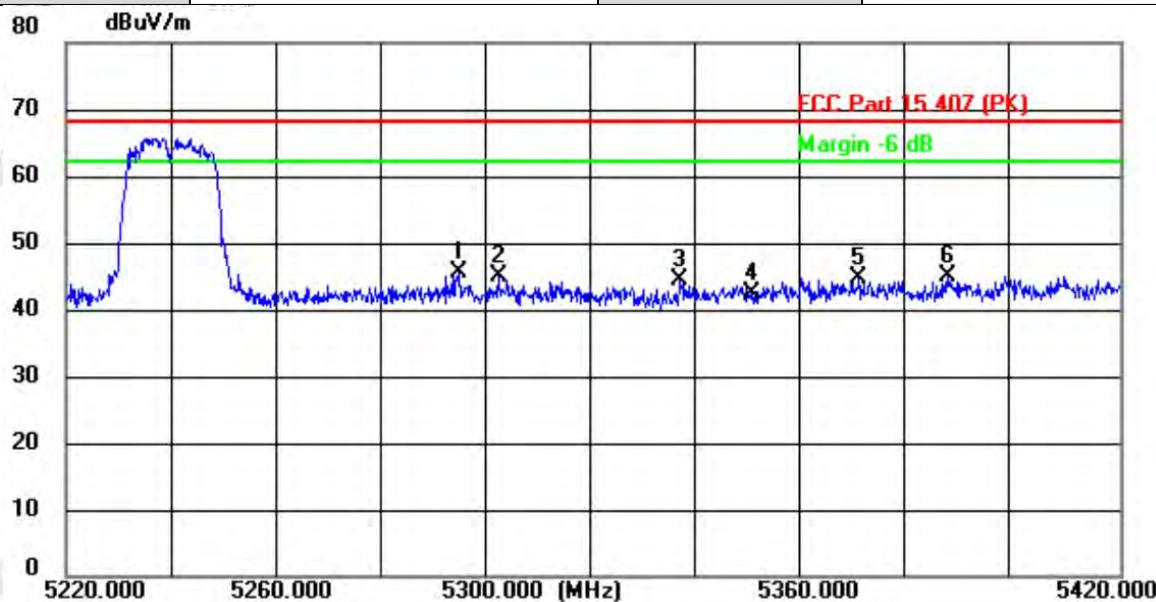
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	5024.0000	49.98	-6.69	43.29	68.20	-24.91	peak	-	-	P
2	5053.8000	51.00	-6.64	44.36	68.20	-23.84	peak	-	-	P
3	5070.2000	50.28	-6.61	43.67	68.20	-24.53	peak	-	-	P
4 *	5090.0000	51.03	-6.58	44.45	68.20	-23.75	peak	-	-	P
5	5125.0000	50.58	-6.53	44.05	68.20	-24.15	peak	-	-	P
6	5150.0000	48.68	-6.49	42.19	68.20	-26.01	peak	-	-	P

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n20-5180



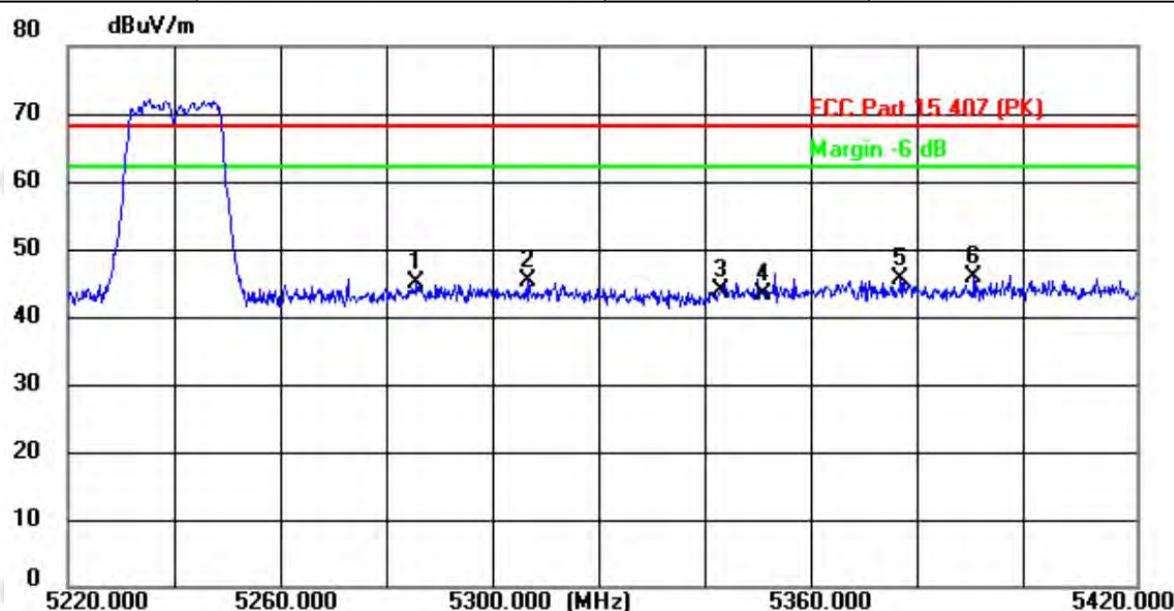
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	5029.8000	50.60	-6.69	43.91	68.20	-24.29	peak	-	-	P
2 *	5049.0000	50.58	-6.65	43.93	68.20	-24.27	peak	-	-	P
3	5082.2000	49.71	-6.60	43.11	68.20	-25.09	peak	-	-	P
4	5101.0000	49.14	-6.57	42.57	68.20	-25.63	peak	-	-	P
5	5121.6000	50.03	-6.54	43.49	68.20	-24.71	peak	-	-	P
6	5150.0000	47.66	-6.49	41.17	68.20	-27.03	peak	-	-	P

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n20-5240



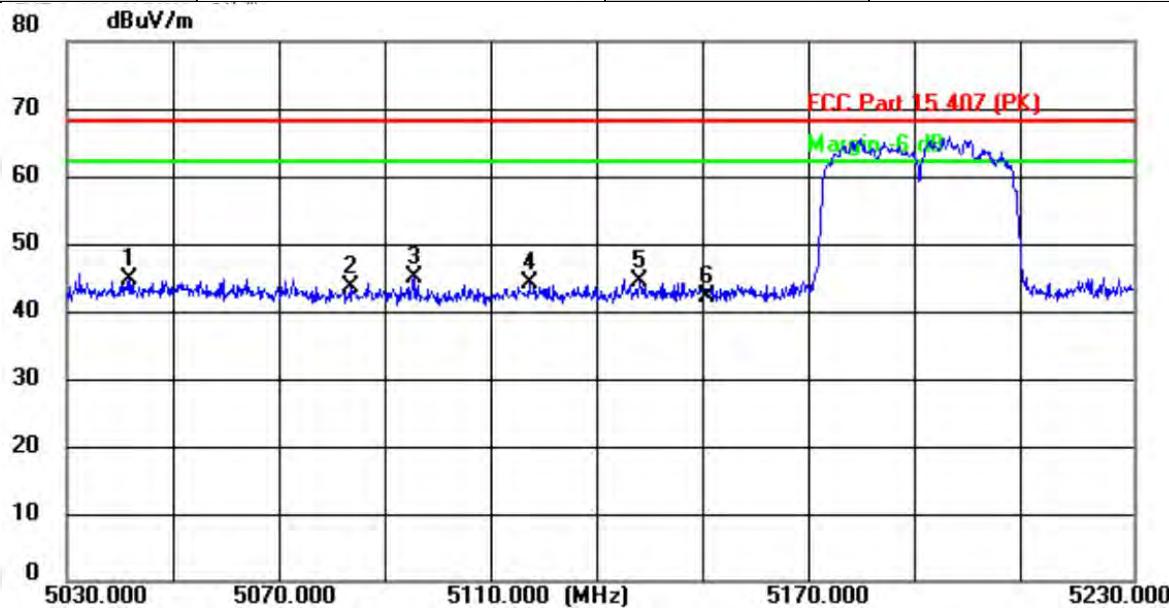
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5294.6000	51.71	-6.26	45.45	68.20	-22.75	peak
2	5302.0000	51.12	-6.25	44.87	68.20	-23.33	peak
3	5336.6000	50.68	-6.19	44.49	68.20	-23.71	peak
4	5350.0000	48.73	-6.17	42.56	68.20	-25.64	peak
5	5370.4000	50.73	-6.13	44.60	68.20	-23.60	peak
6	5387.4000	51.16	-6.11	45.05	68.20	-23.15	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n20-5240



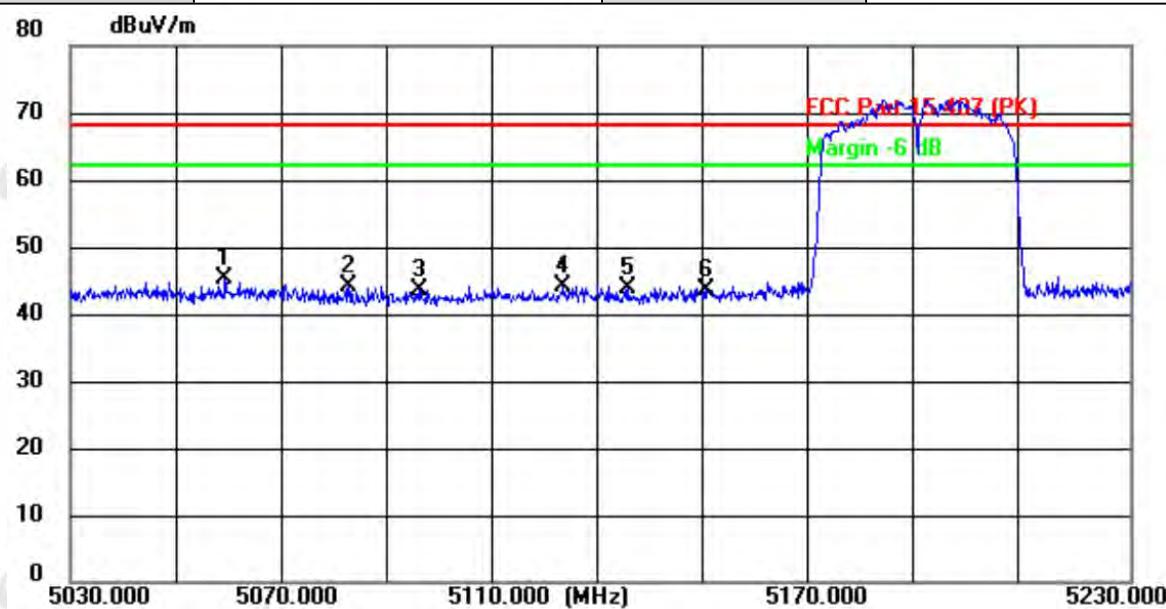
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5285.2000	51.35	-6.28	45.07	68.20	-23.13	peak
2	5306.2000	51.46	-6.24	45.22	68.20	-22.98	peak
3	5342.2000	50.03	-6.17	43.86	68.20	-24.34	peak
4	5350.0000	49.49	-6.17	43.32	68.20	-24.88	peak
5	5375.8000	51.71	-6.13	45.58	68.20	-22.62	peak
6 *	5389.6000	52.07	-6.10	45.97	68.20	-22.23	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n40-5190



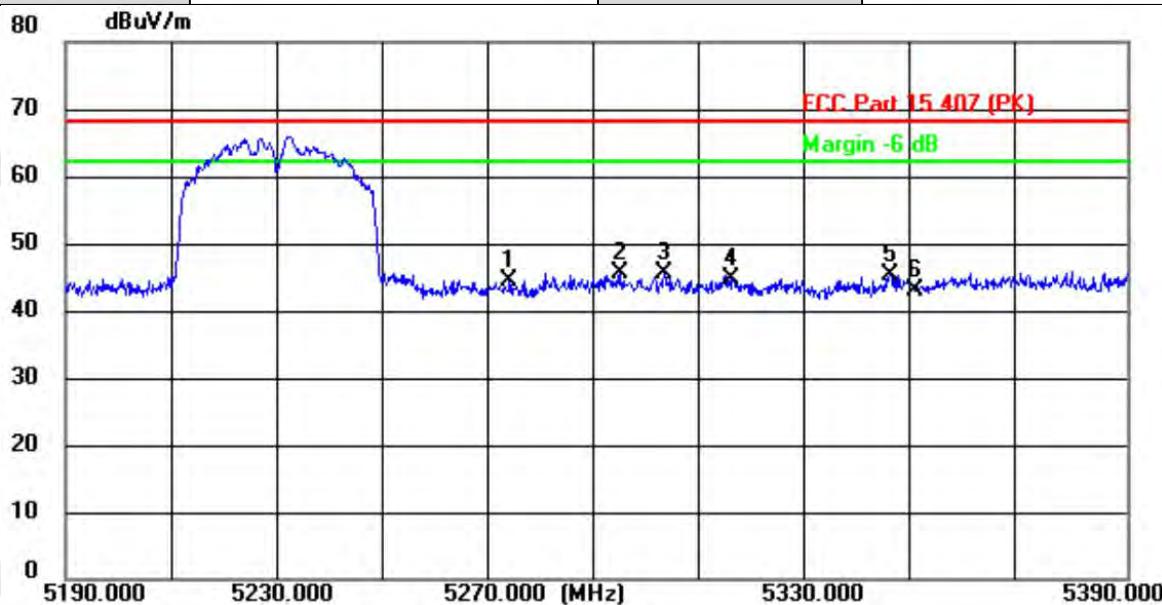
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5041.6000	51.25	-6.66	44.59	68.20	-23.61	peak
2	5083.4000	50.11	-6.60	43.51	68.20	-24.69	peak
3 *	5095.0000	51.51	-6.58	44.93	68.20	-23.27	peak
4	5116.8000	50.82	-6.54	44.28	68.20	-23.92	peak
5	5137.4000	50.92	-6.51	44.41	68.20	-23.79	peak
6	5150.0000	48.56	-6.49	42.07	68.20	-26.13	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n40-5190



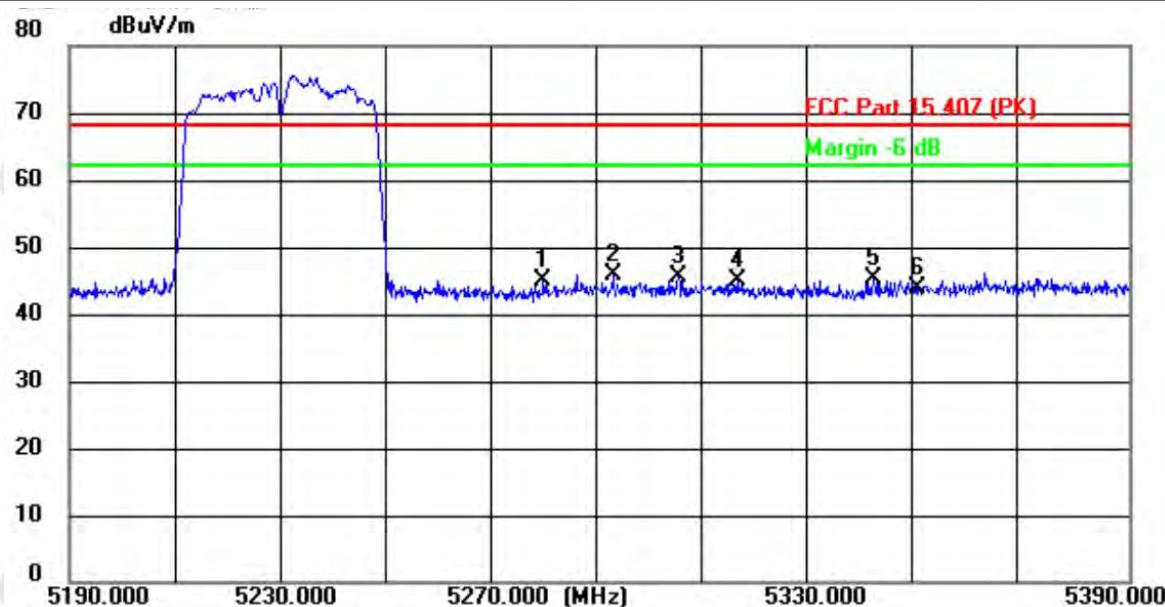
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5059.2000	51.83	-6.63	45.20	68.20	-23.00	peak
2	5082.6000	50.69	-6.60	44.09	68.20	-24.11	peak
3	5095.8000	50.12	-6.57	43.55	68.20	-24.65	peak
4	5123.0000	50.61	-6.53	44.08	68.20	-24.12	peak
5	5135.4000	50.39	-6.52	43.87	68.20	-24.33	peak
6	5150.0000	50.14	-6.49	43.65	68.20	-24.55	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n40-5230



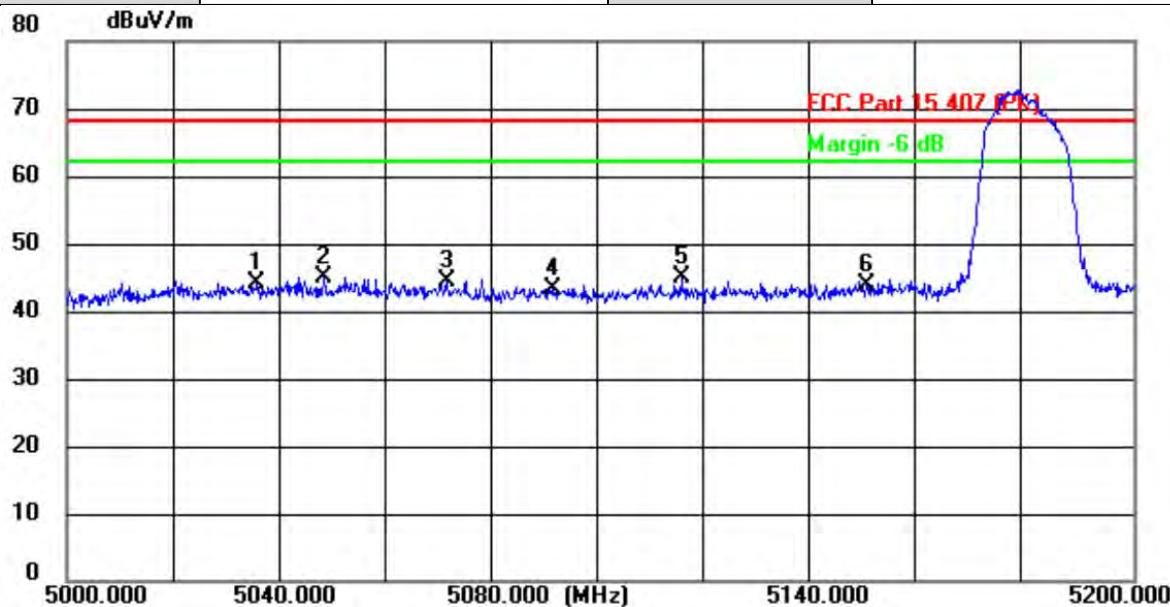
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5273.6000	50.74	-6.29	44.45	68.20	-23.75	peak
2 *	5294.6000	51.95	-6.26	45.69	68.20	-22.51	peak
3	5302.8000	51.79	-6.25	45.54	68.20	-22.66	peak
4	5315.6000	51.05	-6.22	44.83	68.20	-23.37	peak
5	5345.4000	51.48	-6.17	45.31	68.20	-22.89	peak
6	5350.0000	49.22	-6.17	43.05	68.20	-25.15	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n40-5230



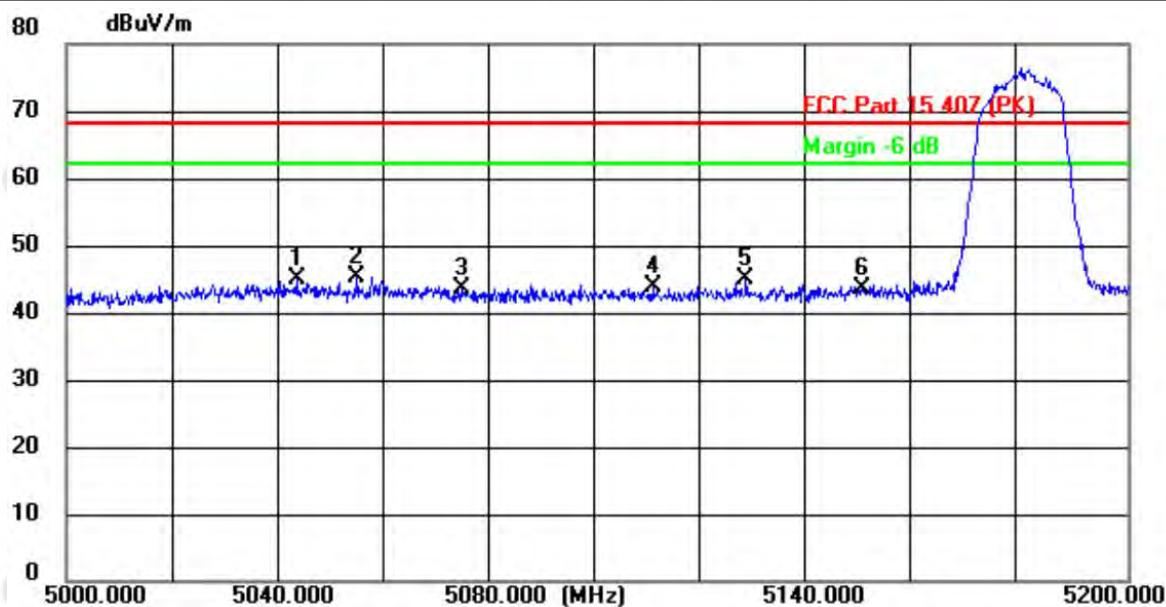
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5279.4000	51.21	-6.28	44.93	68.20	-23.27	peak
2 *	5292.6000	52.15	-6.26	45.89	68.20	-22.31	peak
3	5305.0000	51.69	-6.24	45.45	68.20	-22.75	peak
4	5316.0000	51.32	-6.22	45.10	68.20	-23.10	peak
5	5341.8000	51.33	-6.17	45.16	68.20	-23.04	peak
6	5350.0000	50.15	-6.17	43.98	68.20	-24.22	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11ac20-5180



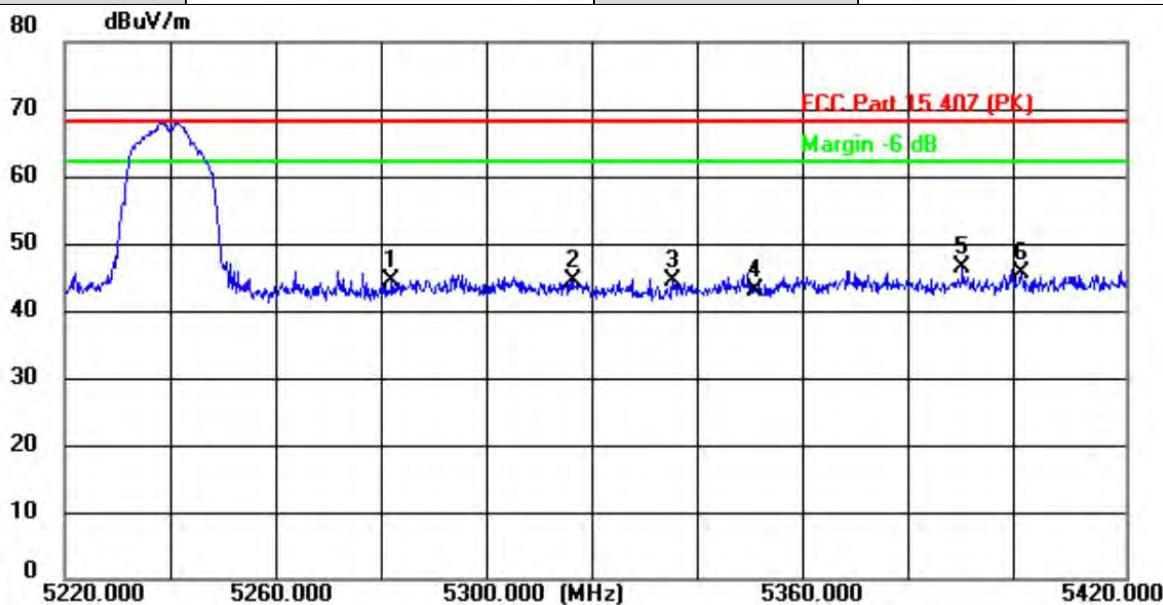
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5035.6000	50.94	-6.68	44.26	68.20	-23.94	peak
2	5048.2000	51.61	-6.65	44.96	68.20	-23.24	peak
3	5071.2000	51.05	-6.61	44.44	68.20	-23.76	peak
4	5091.2000	49.92	-6.58	43.34	68.20	-24.86	peak
5 *	5115.2000	51.65	-6.54	45.11	68.20	-23.09	peak
6	5150.0000	50.26	-6.49	43.77	68.20	-24.43	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11ac20-5180



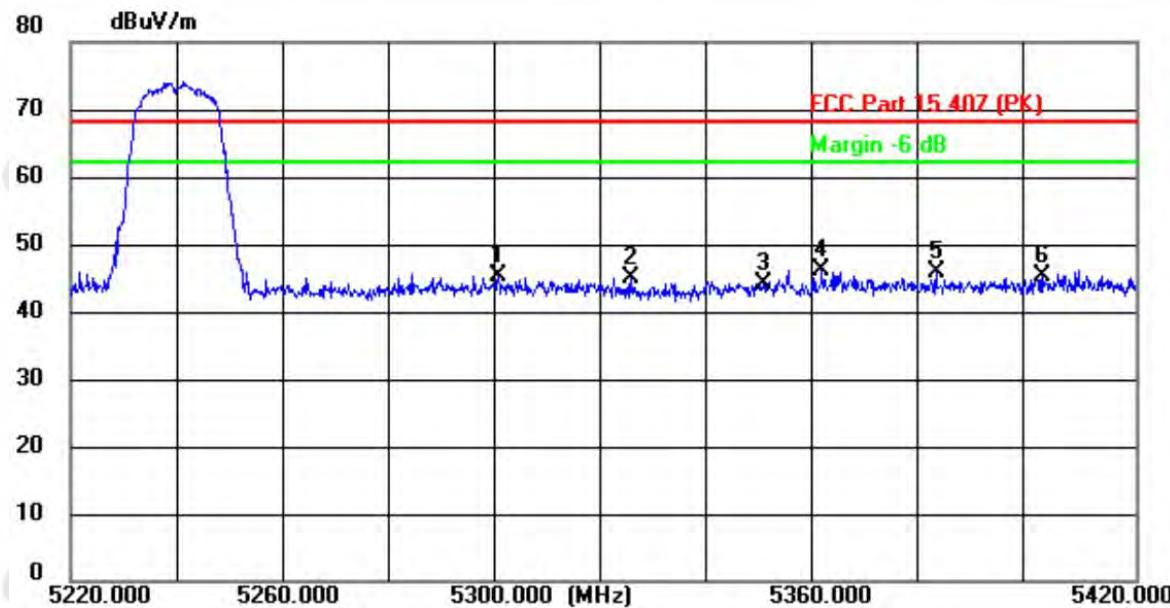
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5043.4000	51.66	-6.66	45.00	68.20	-23.20	peak
2 *	5054.8000	51.91	-6.64	45.27	68.20	-22.93	peak
3	5074.4000	50.19	-6.61	43.58	68.20	-24.62	peak
4	5110.6000	50.33	-6.56	43.77	68.20	-24.43	peak
5	5128.0000	51.45	-6.53	44.92	68.20	-23.28	peak
6	5150.0000	50.08	-6.49	43.59	68.20	-24.61	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11ac20-5240



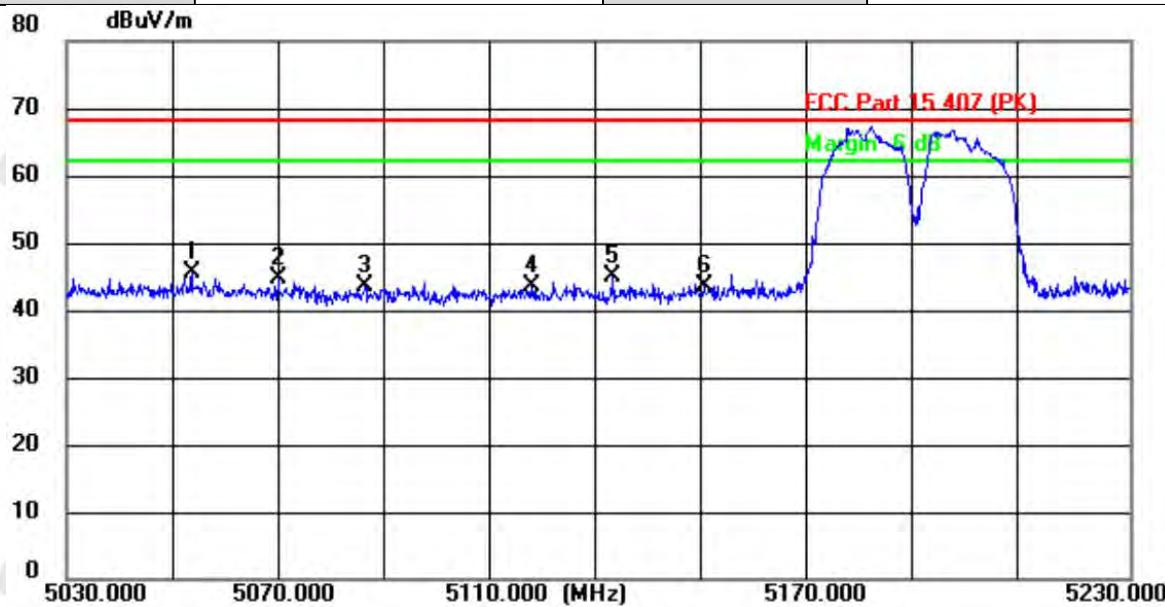
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5281.6000	50.80	-6.28	44.52	68.20	-23.68	peak
2	5315.8000	50.68	-6.22	44.46	68.20	-23.74	peak
3	5334.6000	50.67	-6.19	44.48	68.20	-23.72	peak
4	5350.0000	49.28	-6.17	43.11	68.20	-25.09	peak
5 *	5389.2000	52.53	-6.10	46.43	68.20	-21.77	peak
6	5400.2000	51.73	-6.09	45.64	68.20	-22.56	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11ac20-5240



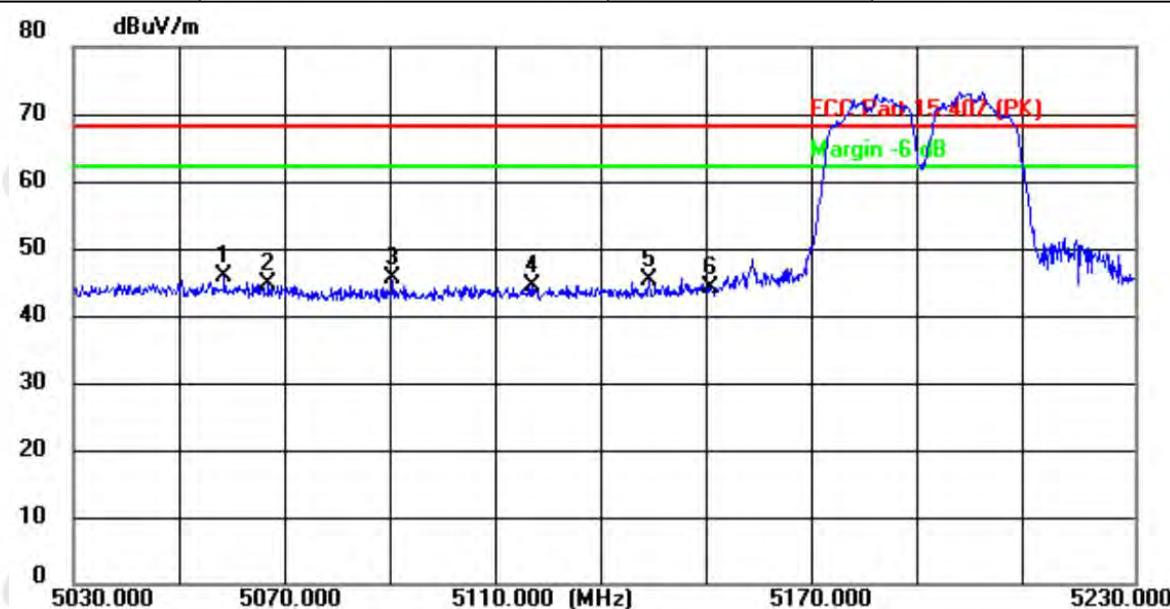
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5300.4000	51.49	-6.25	45.24	68.20	-22.96	peak
2	5325.4000	51.14	-6.20	44.94	68.20	-23.26	peak
3	5350.0000	50.31	-6.17	44.14	68.20	-24.06	peak
4 *	5361.0000	52.28	-6.15	46.13	68.20	-22.07	peak
5	5382.6000	51.84	-6.12	45.72	68.20	-22.48	peak
6	5402.6000	51.28	-6.09	45.19	68.20	-23.01	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11ac40-5190



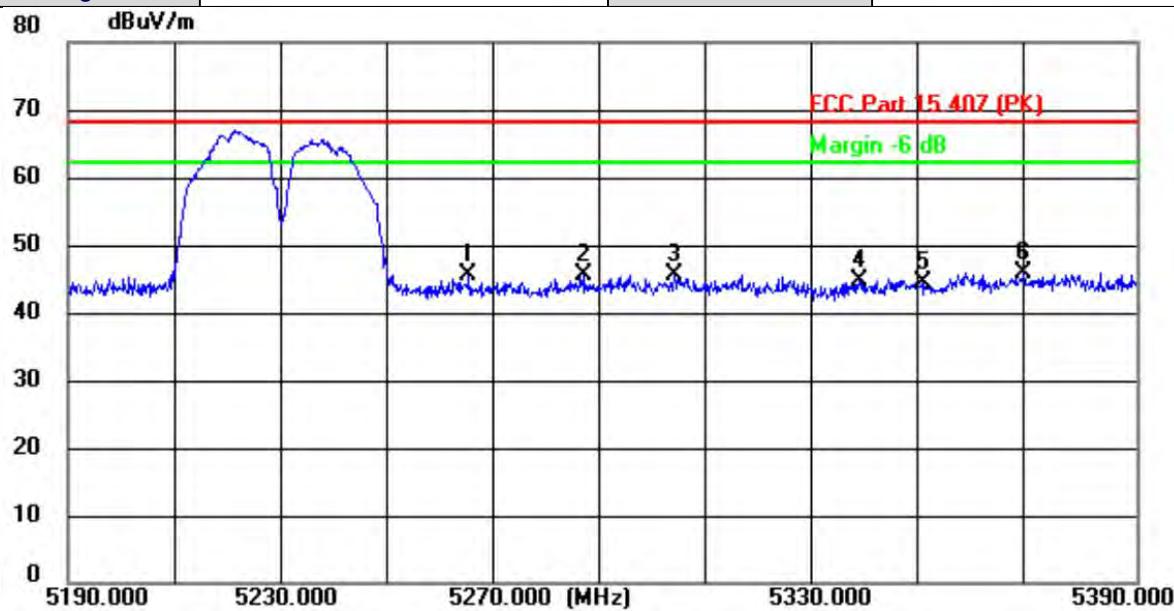
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5053.6000	52.08	-6.64	45.44	68.20	-22.76	peak
2	5069.8000	51.33	-6.61	44.72	68.20	-23.48	peak
3	5086.2000	50.22	-6.60	43.62	68.20	-24.58	peak
4	5117.4000	50.20	-6.54	43.66	68.20	-24.54	peak
5	5132.8000	51.41	-6.52	44.89	68.20	-23.31	peak
6	5150.0000	49.96	-6.49	43.47	68.20	-24.73	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11ac40-5180



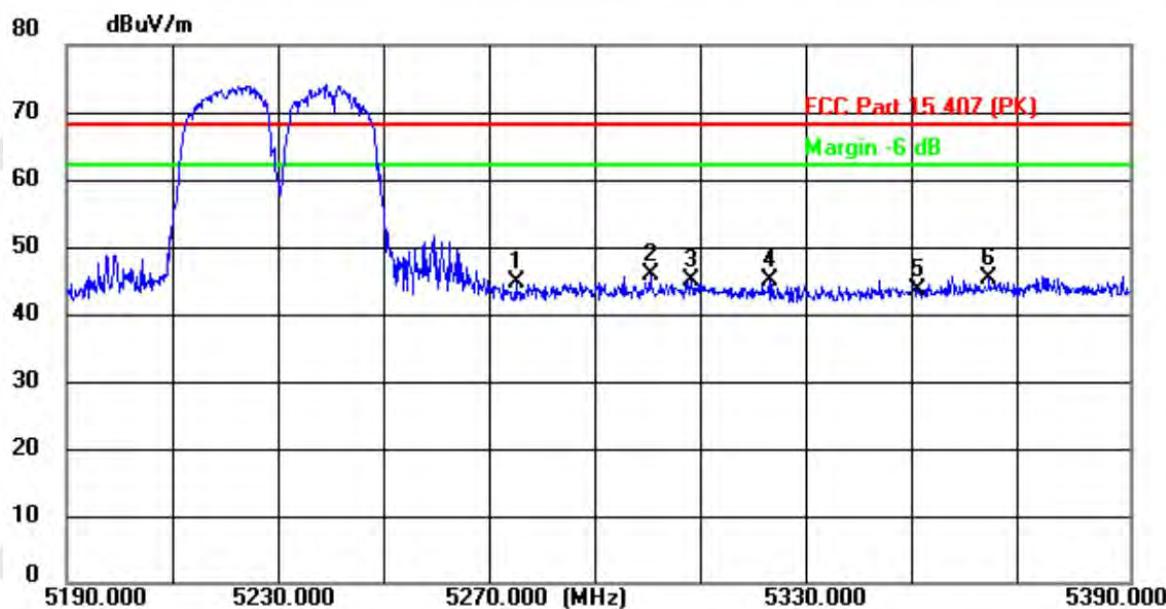
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5058.4000	52.54	-6.64	45.90	68.20	-22.30	peak
2	5066.8000	51.26	-6.62	44.64	68.20	-23.56	peak
3	5090.2000	52.01	-6.58	45.43	68.20	-22.77	peak
4	5116.4000	51.00	-6.54	44.46	68.20	-23.74	peak
5	5138.6000	51.73	-6.50	45.23	68.20	-22.97	peak
6	5150.0000	50.57	-6.49	44.08	68.20	-24.12	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11ac40-5230



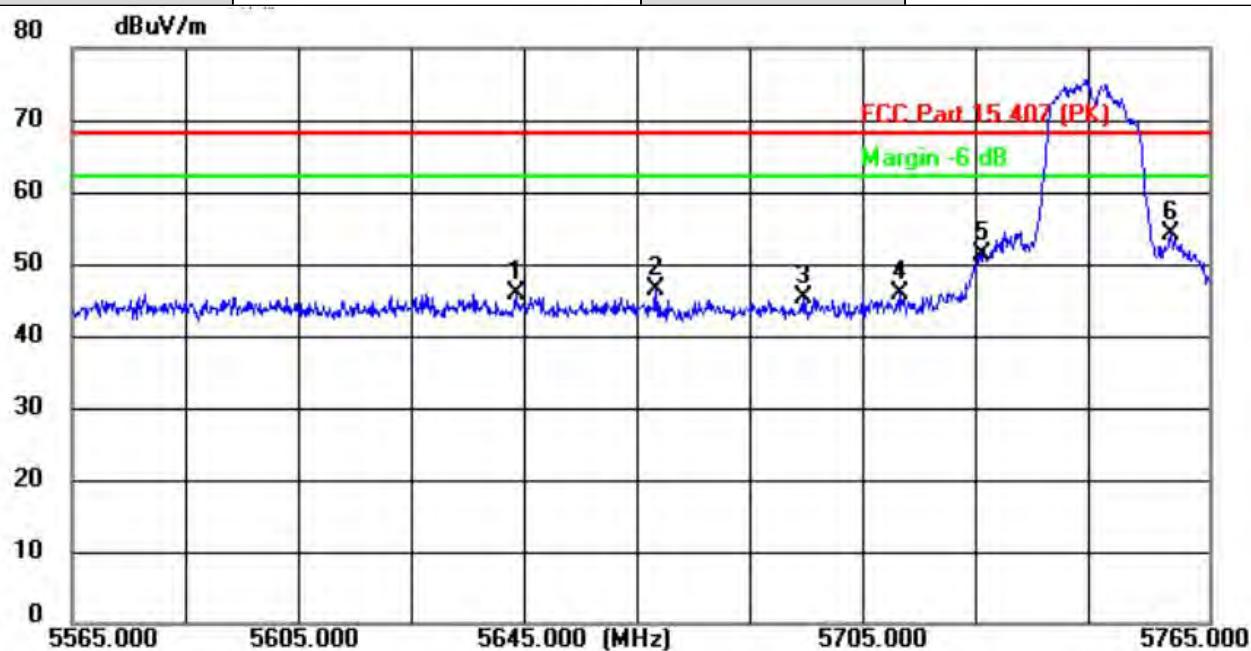
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5265.0000	51.75	-6.30	45.45	68.20	-22.75	peak
2	5286.4000	51.87	-6.27	45.60	68.20	-22.60	peak
3	5303.6000	51.75	-6.25	45.50	68.20	-22.70	peak
4	5338.2000	50.88	-6.18	44.70	68.20	-23.50	peak
5	5350.0000	50.49	-6.17	44.32	68.20	-23.88	peak
6 *	5369.0000	52.06	-6.13	45.93	68.20	-22.27	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11ac40-5230



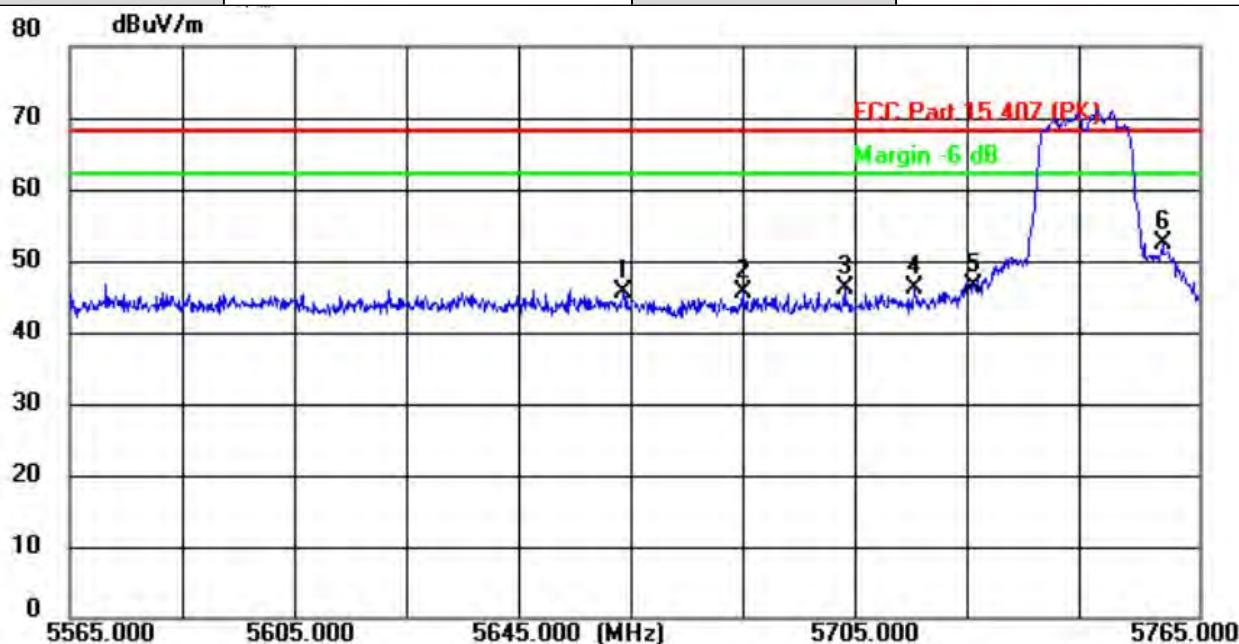
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5274.6000	51.13	-6.29	44.84	68.20	-23.36	peak
2 *	5299.8000	51.99	-6.25	45.74	68.20	-22.46	peak
3	5307.6000	51.34	-6.24	45.10	68.20	-23.10	peak
4	5322.2000	51.22	-6.21	45.01	68.20	-23.19	peak
5	5350.0000	49.79	-6.17	43.62	68.20	-24.58	peak
6	5363.6000	51.41	-6.14	45.27	68.20	-22.93	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11a-5745



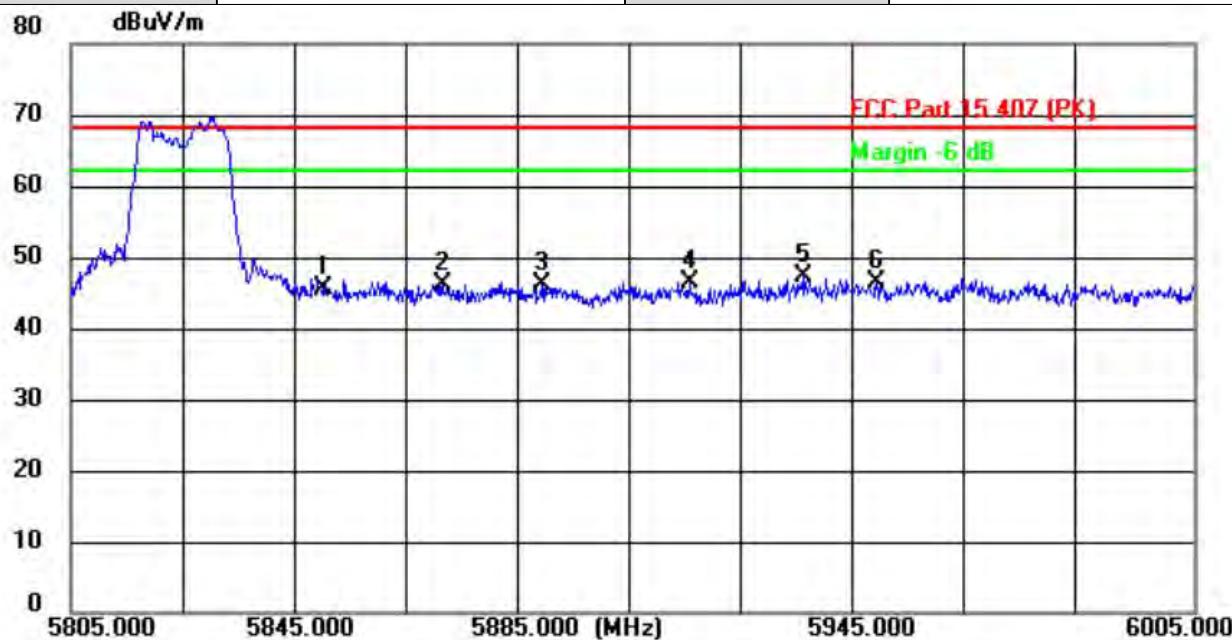
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5643.0000	51.13	-5.38	45.75	68.20	-22.45	peak
2	5667.6000	51.64	-5.29	46.35	68.20	-21.85	peak
3	5693.6000	50.48	-5.19	45.29	68.20	-22.91	peak
4	5710.8000	50.84	-5.12	45.72	68.20	-22.48	peak
5	5725.0000	56.26	-5.07	51.19	68.20	-17.01	peak
6 *	5758.2000	59.03	-4.95	54.08	68.20	-14.12	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11a-5745



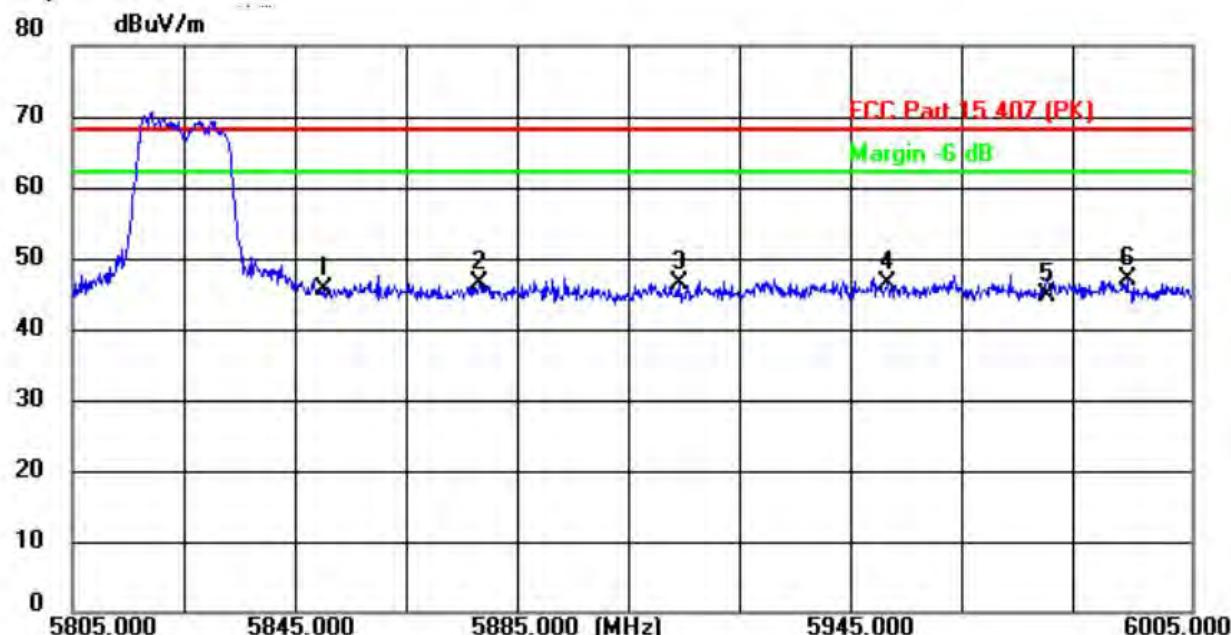
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5663.0000	50.79	-5.31	45.48	68.20	-22.72	peak
2	5684.2000	50.67	-5.22	45.45	68.20	-22.75	peak
3	5702.2000	51.23	-5.15	46.08	68.20	-22.12	peak
4	5714.8000	51.14	-5.10	46.04	68.20	-22.16	peak
5	5725.0000	51.41	-5.07	46.34	68.20	-21.86	peak
6 *	5758.6000	57.34	-4.95	52.39	68.20	-15.81	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11a-5825



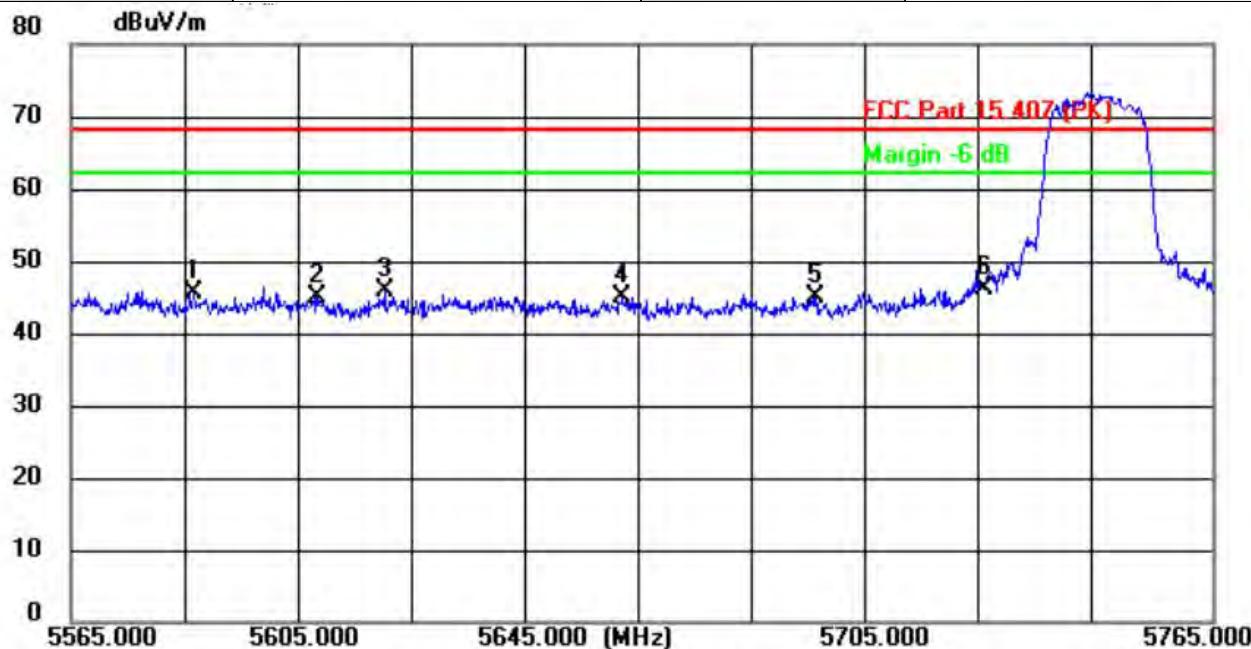
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5850.0000	50.25	-4.59	45.66	68.20	-22.54	peak
2	5871.2000	50.75	-4.50	46.25	68.20	-21.95	peak
3	5888.8000	50.55	-4.44	46.11	68.20	-22.09	peak
4	5915.2000	50.87	-4.34	46.53	68.20	-21.67	peak
5 *	5935.6000	51.64	-4.27	47.37	68.20	-20.83	peak
6	5948.4000	50.74	-4.22	46.52	68.20	-21.68	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11a-5825



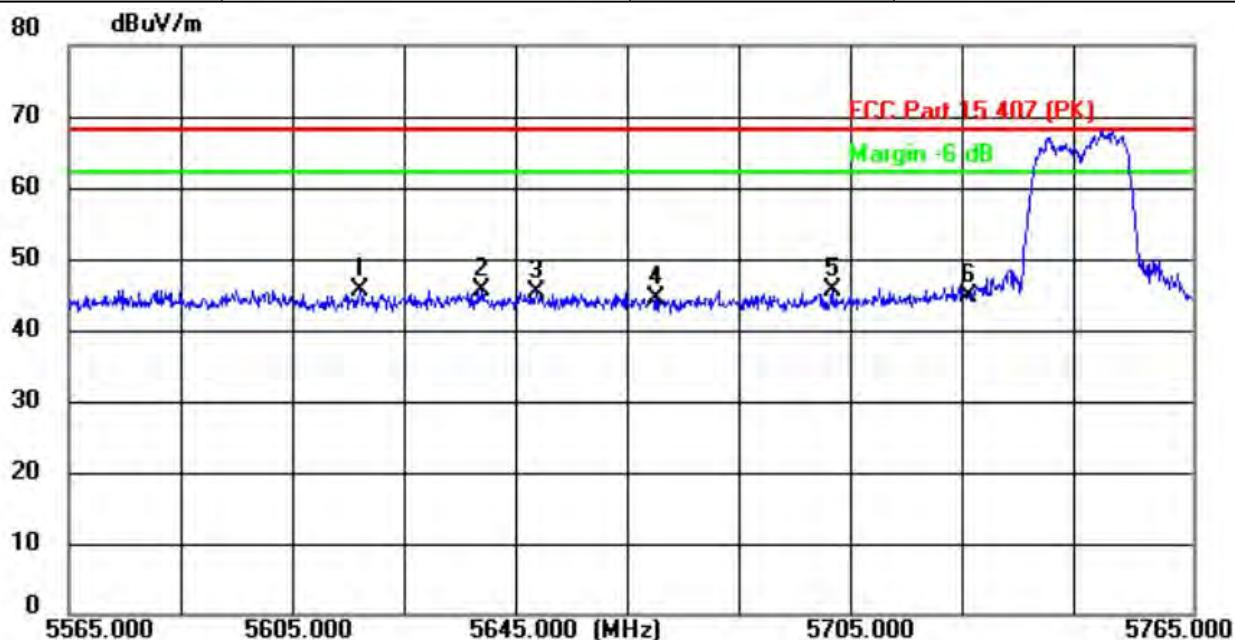
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5850.0000	50.12	-4.59	45.53	68.20	-22.67	peak
2	5877.8000	50.95	-4.48	46.47	68.20	-21.73	peak
3	5913.4000	50.85	-4.36	46.49	68.20	-21.71	peak
4	5950.8000	50.65	-4.21	46.44	68.20	-21.76	peak
5	5979.2000	48.82	-4.09	44.73	68.20	-23.47	peak
6 *	5993.6000	51.06	-4.05	47.01	68.20	-21.19	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n20-5745



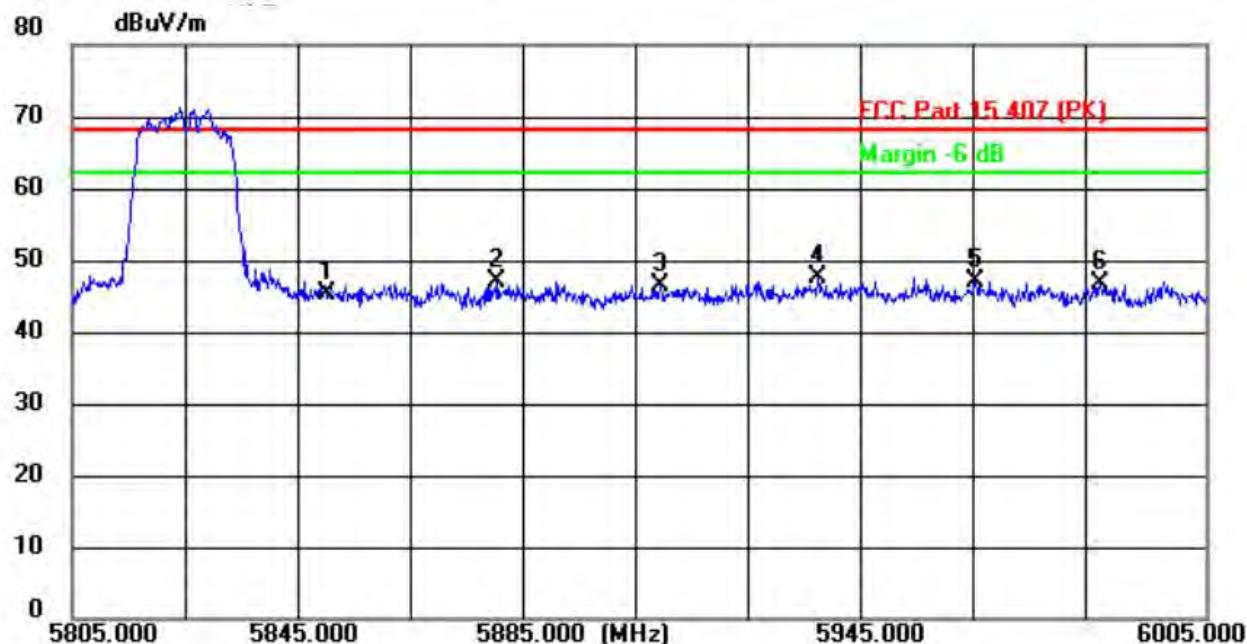
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5586.6000	51.28	-5.59	45.69	68.20	-22.51	peak
2	5608.2000	50.42	-5.51	44.91	68.20	-23.29	peak
3	5620.0000	51.30	-5.47	45.83	68.20	-22.37	peak
4	5661.6000	50.26	-5.31	44.95	68.20	-23.25	peak
5	5695.4000	50.18	-5.18	45.00	68.20	-23.20	peak
6 *	5725.0000	51.15	-5.07	46.08	68.20	-22.12	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n20-5745



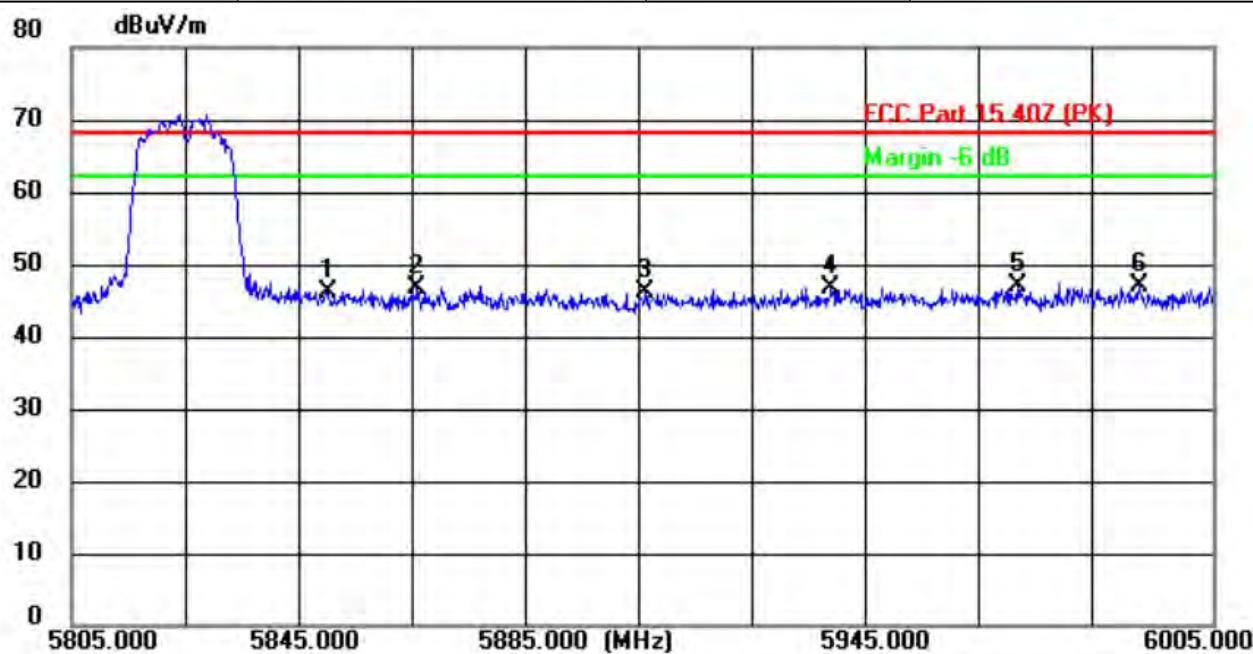
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5616.8000	50.99	-5.48	45.51	68.20	-22.69	peak
2 *	5638.6000	51.10	-5.40	45.70	68.20	-22.50	peak
3	5648.2000	50.68	-5.36	45.32	68.20	-22.88	peak
4	5669.4000	49.78	-5.28	44.50	68.20	-23.70	peak
5	5700.8000	50.71	-5.16	45.55	68.20	-22.65	peak
6	5725.0000	49.86	-5.07	44.79	68.20	-23.41	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n20-5825



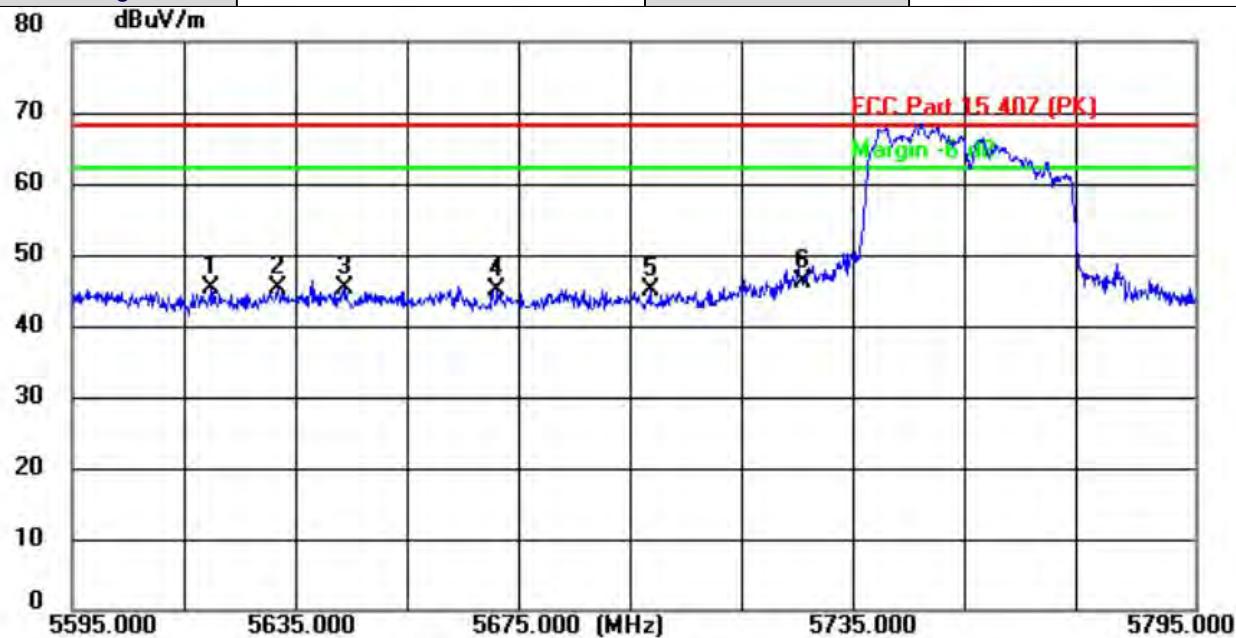
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5850.0000	49.99	-4.59	45.40	68.20	-22.80	peak
2	5879.8000	51.52	-4.47	47.05	68.20	-21.15	peak
3	5908.8000	50.92	-4.37	46.55	68.20	-21.65	peak
4 *	5936.6000	51.97	-4.26	47.71	68.20	-20.49	peak
5	5964.4000	51.14	-4.15	46.99	68.20	-21.21	peak
6	5986.4000	50.75	-4.07	46.68	68.20	-21.52	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n20-5825



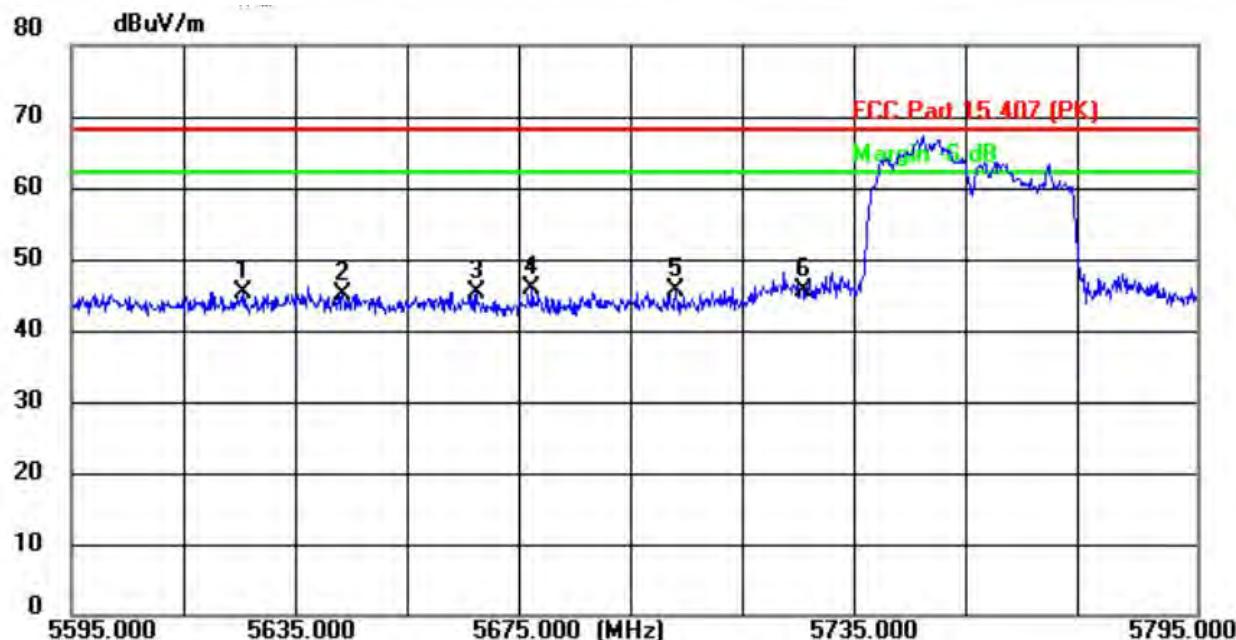
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5850.0000	50.64	-4.59	46.05	68.20	-22.15	peak
2	5865.6000	51.30	-4.53	46.77	68.20	-21.43	peak
3	5905.6000	50.50	-4.38	46.12	68.20	-22.08	peak
4	5938.2000	51.01	-4.26	46.75	68.20	-21.45	peak
5 *	5970.8000	51.06	-4.13	46.93	68.20	-21.27	peak
6	5992.2000	50.92	-4.05	46.87	68.20	-21.33	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n40-5755



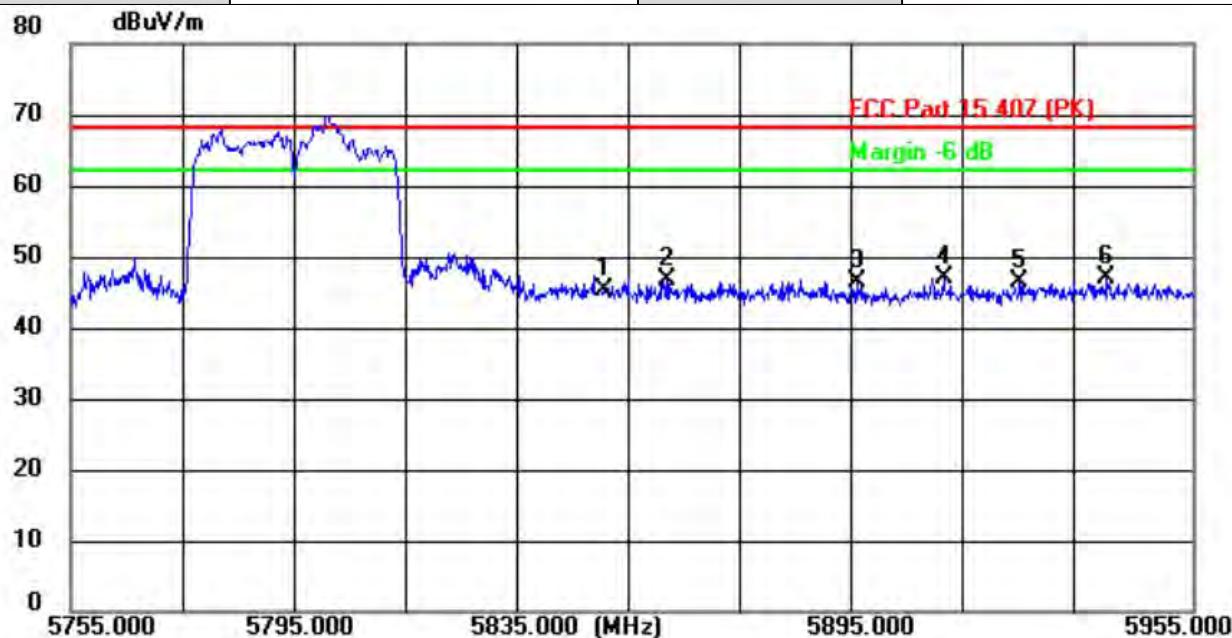
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5619.8000	50.65	-5.47	45.18	68.20	-23.02	peak
2	5631.8000	50.72	-5.43	45.29	68.20	-22.91	peak
3	5643.6000	50.55	-5.38	45.17	68.20	-23.03	peak
4	5670.8000	50.35	-5.28	45.07	68.20	-23.13	peak
5	5698.0000	50.09	-5.17	44.92	68.20	-23.28	peak
6 *	5725.0000	51.18	-5.07	46.11	68.20	-22.09	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n40-5755



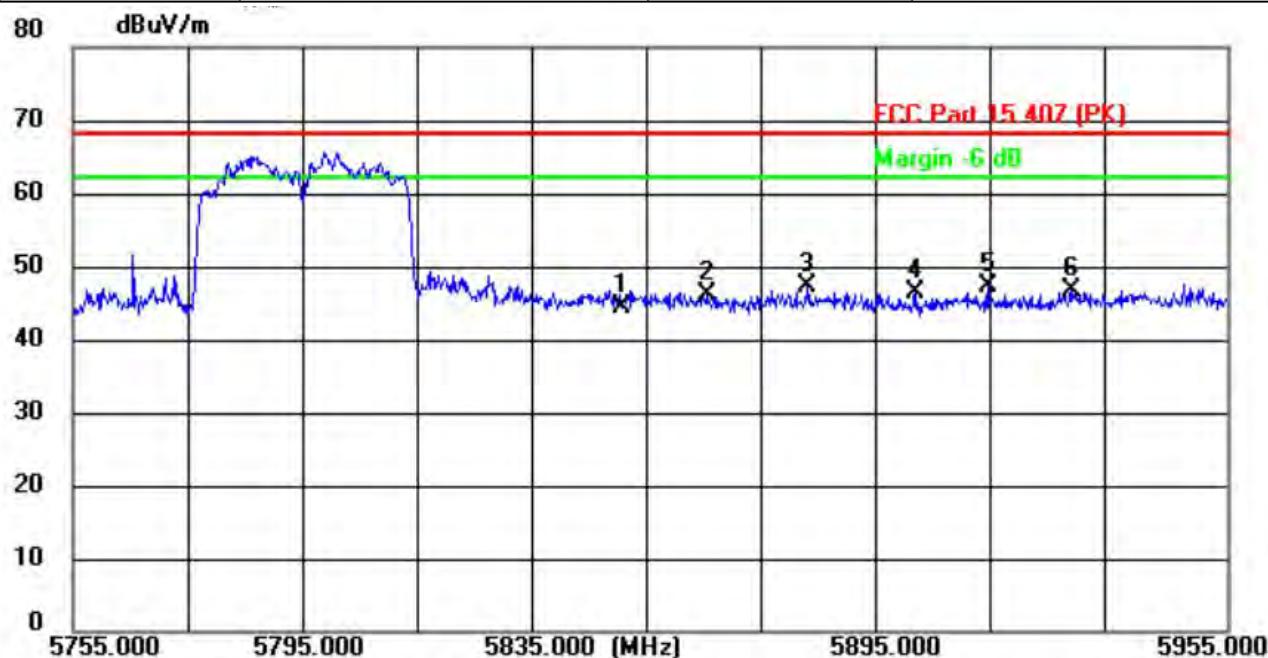
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5625.6000	50.62	-5.44	45.18	68.20	-23.02	peak
2	5643.2000	50.46	-5.38	45.08	68.20	-23.12	peak
3	5667.0000	50.65	-5.30	45.35	68.20	-22.85	peak
4 *	5676.8000	51.08	-5.26	45.82	68.20	-22.38	peak
5	5702.4000	50.66	-5.15	45.51	68.20	-22.69	peak
6	5725.0000	50.51	-5.07	45.44	68.20	-22.76	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n40-5795



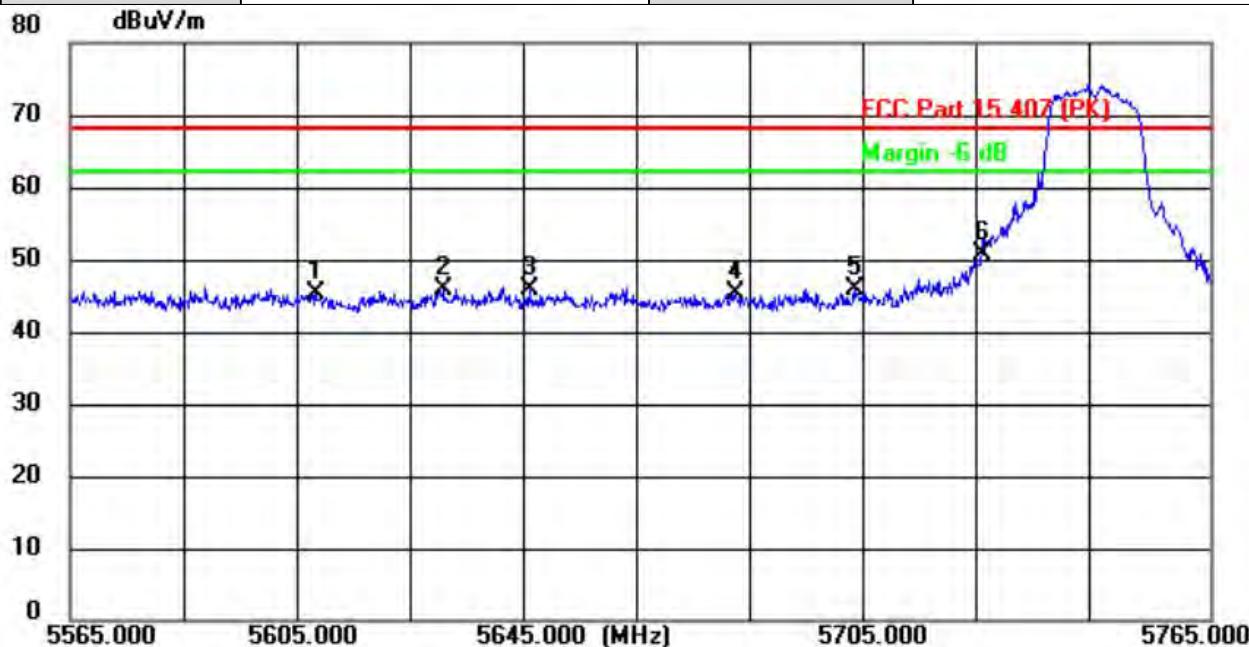
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5850.0000	49.84	-4.59	45.25	68.20	-22.95	peak
2	5861.4000	51.18	-4.55	46.63	68.20	-21.57	peak
3	5895.2000	50.98	-4.42	46.56	68.20	-21.64	peak
4 *	5910.6000	51.38	-4.36	47.02	68.20	-21.18	peak
5	5924.2000	50.65	-4.31	46.34	68.20	-21.86	peak
6	5939.8000	51.18	-4.26	46.92	68.20	-21.28	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n40-5795



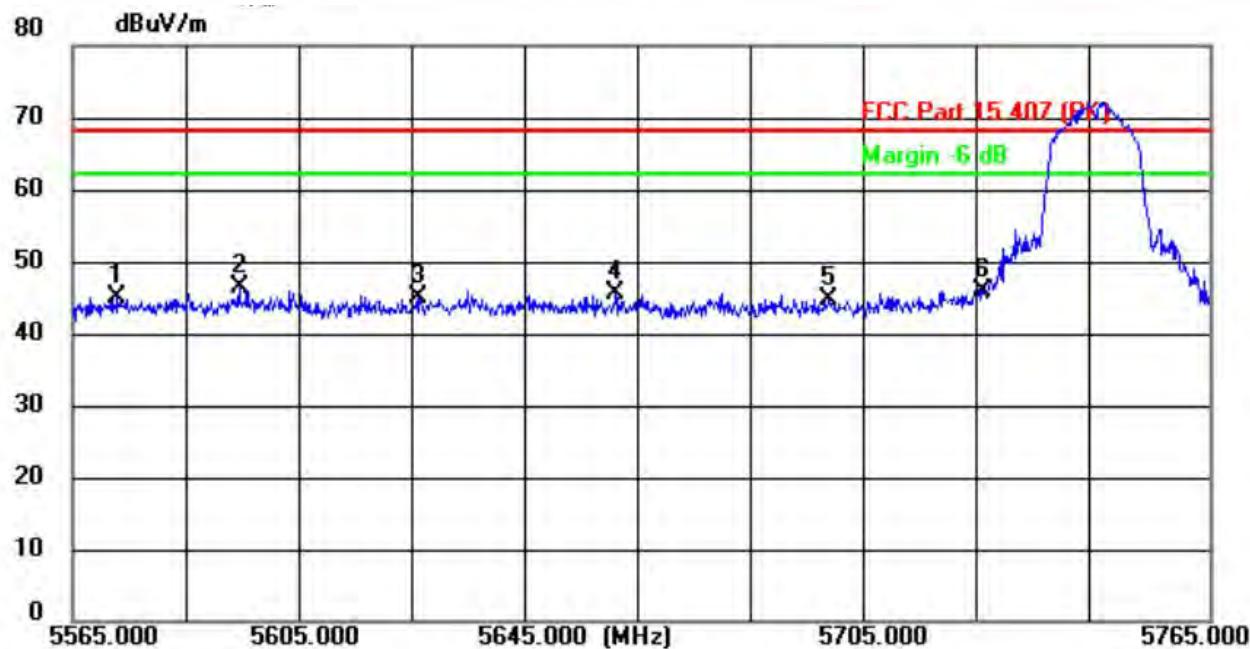
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5850.0000	49.13	-4.59	44.54	68.20	-23.66	peak
2	5865.0000	50.63	-4.54	46.09	68.20	-22.11	peak
3 *	5882.4000	51.63	-4.47	47.16	68.20	-21.04	peak
4	5901.2000	50.89	-4.40	46.49	68.20	-21.71	peak
5	5913.6000	51.51	-4.35	47.16	68.20	-21.04	peak
6	5928.0000	51.14	-4.30	46.84	68.20	-21.36	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11ac20-5745



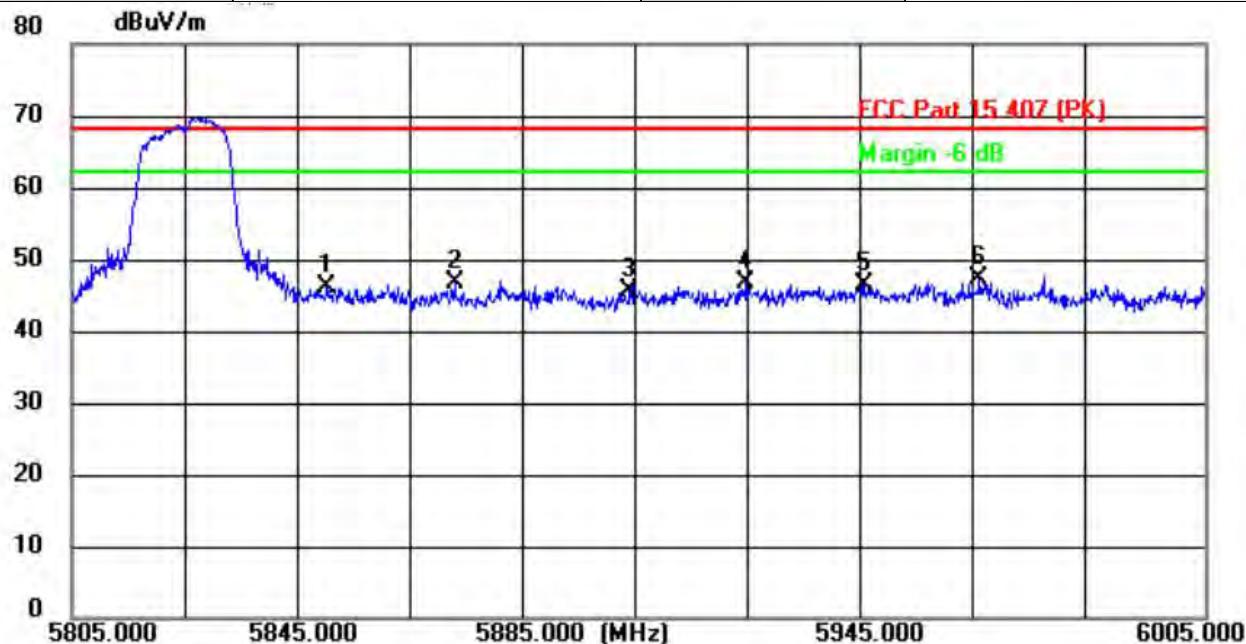
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5608.0000	50.66	-5.51	45.15	68.20	-23.05	peak
2	5630.4000	51.40	-5.43	45.97	68.20	-22.23	peak
3	5645.6000	51.17	-5.37	45.80	68.20	-22.40	peak
4	5681.8000	50.56	-5.24	45.32	68.20	-22.88	peak
5	5702.6000	50.89	-5.15	45.74	68.20	-22.46	peak
6 *	5725.0000	55.77	-5.07	50.70	68.20	-17.50	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11ac20-5745



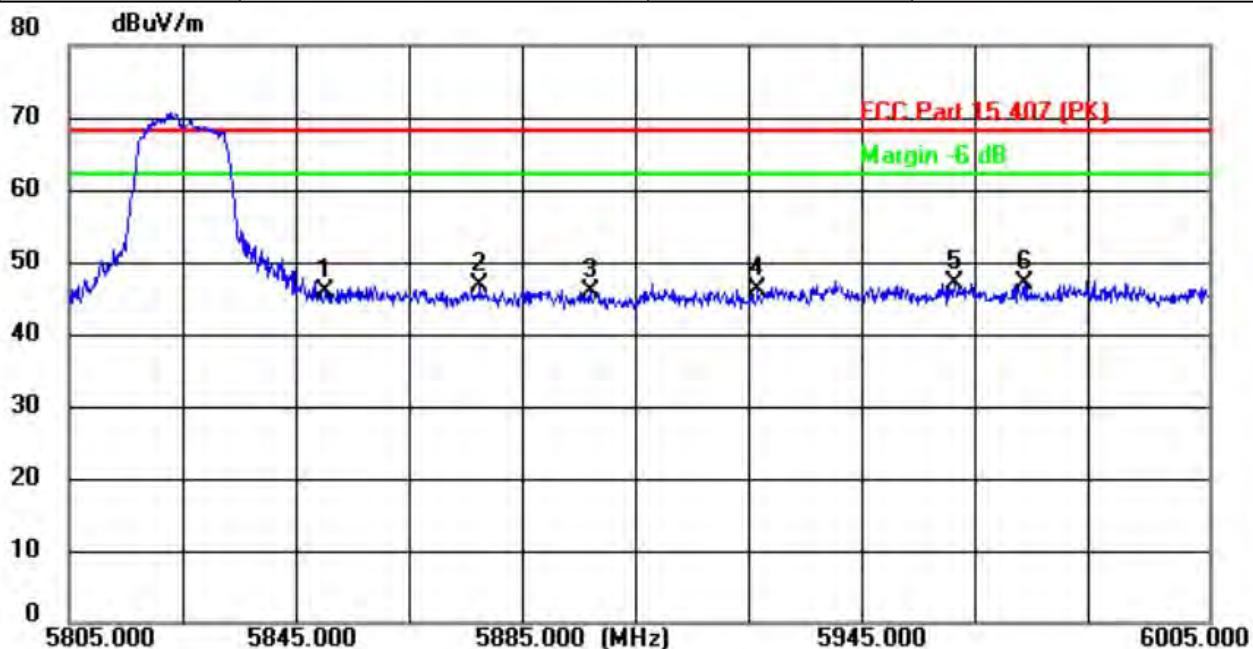
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5572.8000	50.77	-5.65	45.12	68.20	-23.08	peak
2 *	5594.4000	51.93	-5.56	46.37	68.20	-21.83	peak
3	5625.8000	50.54	-5.44	45.10	68.20	-23.10	peak
4	5660.6000	50.87	-5.31	45.56	68.20	-22.64	peak
5	5698.2000	49.86	-5.16	44.70	68.20	-23.50	peak
6	5725.0000	51.03	-5.07	45.96	68.20	-22.24	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11ac20-5825



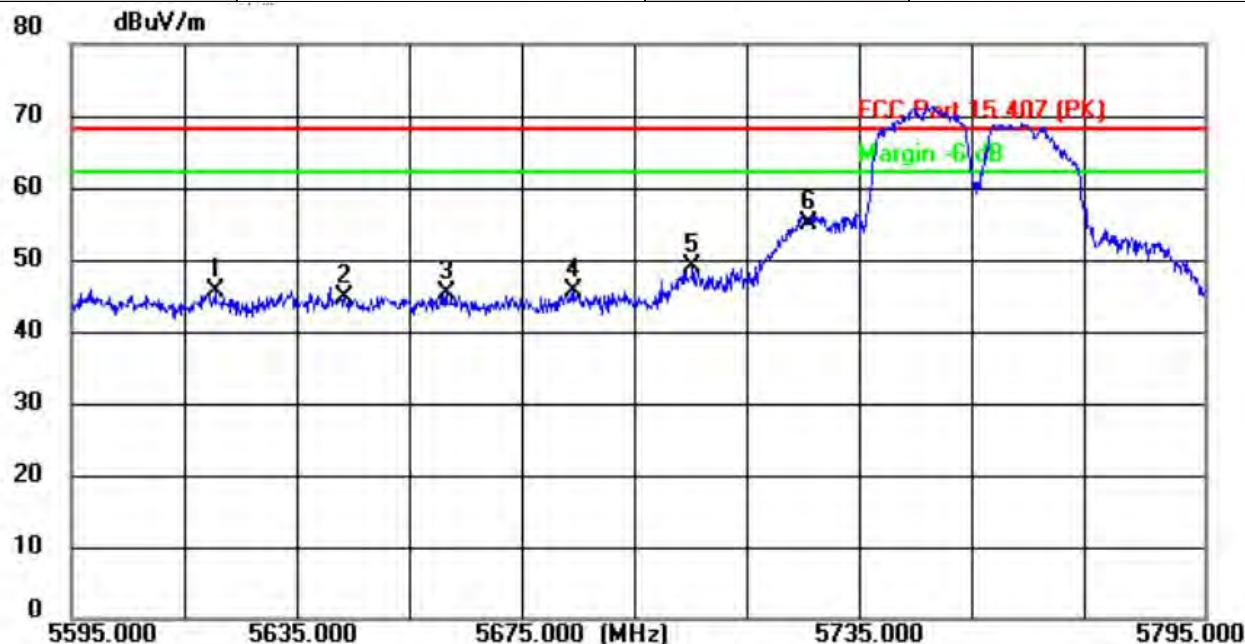
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5850.0000	50.76	-4.59	46.17	68.20	-22.03	peak
2	5872.6000	51.09	-4.50	46.59	68.20	-21.61	peak
3	5903.4000	49.87	-4.39	45.48	68.20	-22.72	peak
4	5924.0000	50.90	-4.31	46.59	68.20	-21.61	peak
5	5944.8000	50.57	-4.23	46.34	68.20	-21.86	peak
6 *	5965.2000	51.41	-4.15	47.26	68.20	-20.94	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11ac20-5825



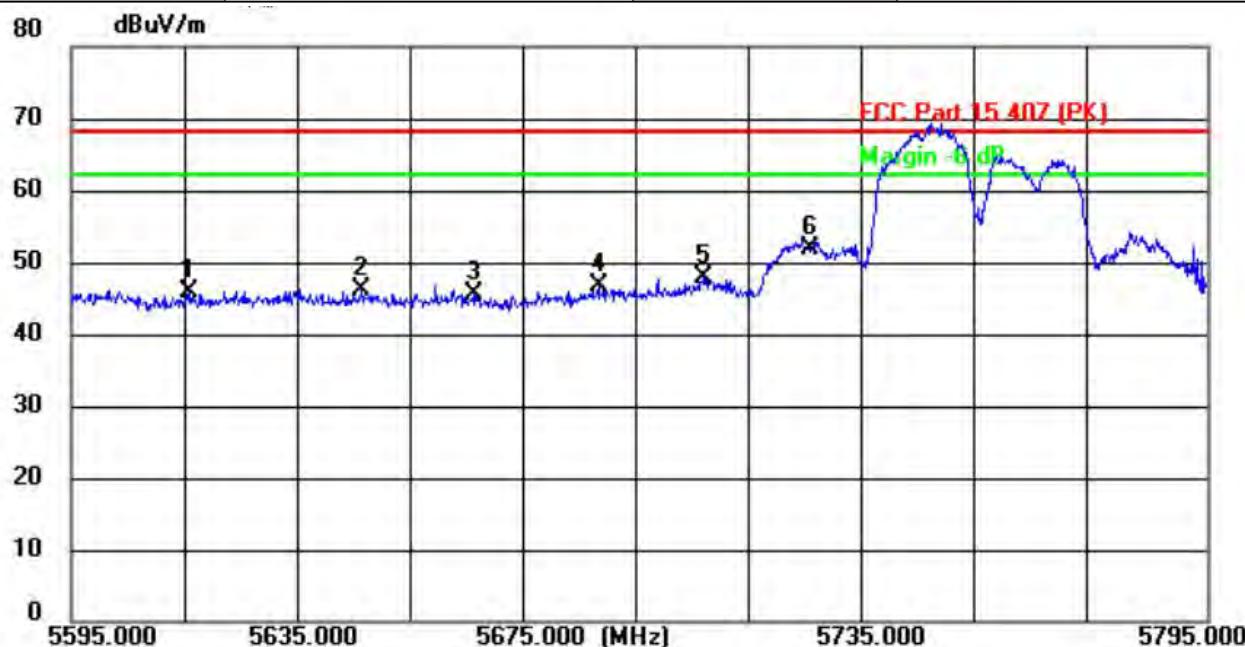
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5850.0000	50.49	-4.59	45.90	68.20	-22.30	peak
2	5877.2000	51.20	-4.49	46.71	68.20	-21.49	peak
3	5896.4000	50.35	-4.41	45.94	68.20	-22.26	peak
4	5925.8000	50.49	-4.30	46.19	68.20	-22.01	peak
5 *	5960.4000	51.28	-4.16	47.12	68.20	-21.08	peak
6	5972.6000	51.07	-4.12	46.95	68.20	-21.25	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11ac40-5755



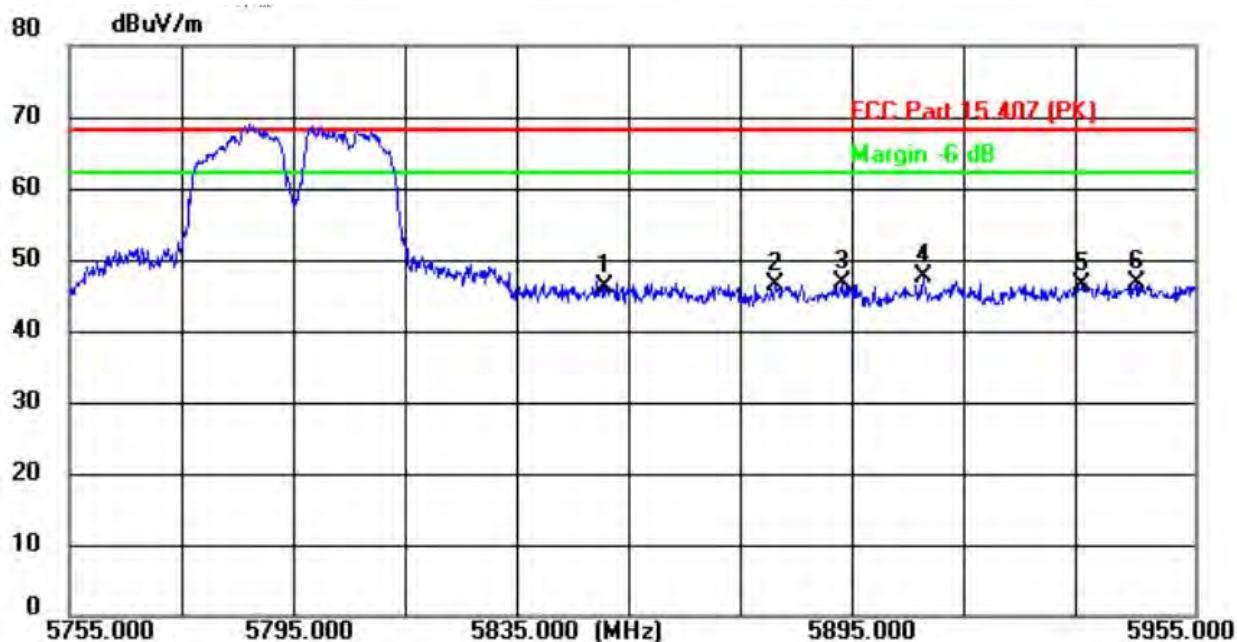
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5620.4000	51.01	-5.47	45.54	68.20	-22.66	peak
2	5643.2000	50.04	-5.38	44.66	68.20	-23.54	peak
3	5661.2000	50.69	-5.31	45.38	68.20	-22.82	peak
4	5683.6000	50.85	-5.22	45.63	68.20	-22.57	peak
5	5704.6000	54.24	-5.14	49.10	68.20	-19.10	peak
6 *	5725.0000	60.10	-5.07	55.03	68.20	-13.17	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11ac40-5755



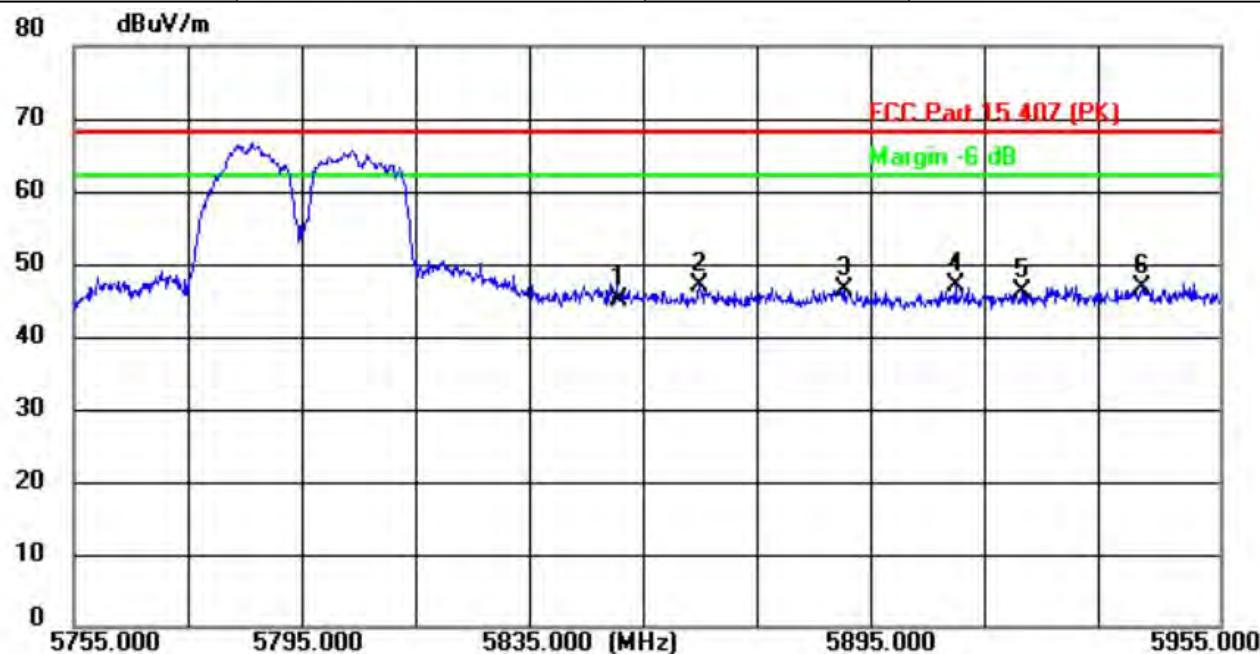
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5615.6000	51.43	-5.48	45.95	68.20	-22.25	peak
2	5646.2000	51.56	-5.37	46.19	68.20	-22.01	peak
3	5665.8000	50.93	-5.30	45.63	68.20	-22.57	peak
4	5687.8000	51.89	-5.20	46.69	68.20	-21.51	peak
5	5706.4000	53.08	-5.13	47.95	68.20	-20.25	peak
6 *	5725.0000	56.94	-5.07	51.87	68.20	-16.33	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11ac40-5795



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5850.0000	50.83	-4.59	46.24	68.20	-21.96	peak
2	5880.4000	50.95	-4.47	46.48	68.20	-21.72	peak
3	5892.2000	51.08	-4.43	46.65	68.20	-21.55	peak
4 *	5906.8000	51.91	-4.37	47.54	68.20	-20.66	peak
5	5935.0000	50.83	-4.27	46.56	68.20	-21.64	peak
6	5944.6000	50.98	-4.23	46.75	68.20	-21.45	peak

Temperature:	25.2°C	Relative Humidity:	50%
Pressure:	1010kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11ac40-5795



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5850.0000	49.72	-4.59	45.13	68.20	-23.07	peak
2 *	5864.2000	51.59	-4.54	47.05	68.20	-21.15	peak
3	5889.6000	51.00	-4.44	46.56	68.20	-21.64	peak
4	5908.8000	51.25	-4.37	46.88	68.20	-21.32	peak
5	5920.6000	50.57	-4.33	46.24	68.20	-21.96	peak
6	5941.4000	51.04	-4.24	46.80	68.20	-21.40	peak

## Note:

1. Level = Read Level + Antenna Factor+ Cable loss- Preamp Factor.
2. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

## 5. POWER SPECTRAL DENSITY TEST

### 5.1 APPLIED PROCEDURES / LIMIT

According to FCC §15.407(a)

Power limits:

(1) For the band 5.15-5.25 GHz.

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

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. 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. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

For devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in § 15.407(a)(5). For devices operating in the band 5.725-5.85 GHz, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, "provided that the measured power is integrated over the full reference bandwidth" to show the total power over the specified measurement bandwidth (i.e., 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or <500 kHz) and integrated over 1 MHz, or 500 KHz bandwidth, the following adjustments to the procedures apply:

- a) Set RBW  $\geq 1/T$ , where T is defined in section II.B.I.a).
- b) Set VBW  $\geq 3$  RBW.
- c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add  $10\log(500\text{kHz}/\text{RBW})$  to the measured result, whereas RBW (< 500 KHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
- d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add  $10\log(1\text{MHz}/\text{RBW})$  to the measured result, whereas RBW (< 1 MHz) is the reduced resolution bandwidth of spectrum analyzer set during measurement.
- e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Note: As a practical matter, it is recommended to use reduced RBW of 100 KHz for the sections 5.c) and 5.d) above, since RBW=100 KHZ is available on nearly all spectrum analyzers.

### 5.3 DEVIATION FROM STANDARD

No deviation.

### 5.4 TEST SETUP



### 5.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.



Temperature :	24.2°C	Relative Humidity:	53%
Pressure :	1010 hPa	Test Voltage :	DC 12 V
Test Mode :	TX		
5.2G(5180-5240MHz):	Please refer to the Appendix A.5 for 5G WIFI RF Test Data.		
5.8G(5745-5825 MHz):	Please refer to the Appendix B.5 for 5G WIFI RF Test Data.		

## 6. 26DB & 6DB &99% EMISSION BANDWIDTH

### 6.1 APPLIED PROCEDURES / LIMIT

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, the minimum bandwidth 6 dB bandwidth of U-NII devices shall be at least 500KHz. 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.

### 6.2 TEST PROCEDURE

- a) Set RBW = 100KHz.
- b) Set the VBW > RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

The following procedure shall be used for measuring (99 %) power bandwidth:

1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1 % to 5 % of the OBW
4. Set VBW  $\geq 3 \cdot$  RBW
5. 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.
6. Use the 99 % power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. 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% occupied bandwidth is the difference between these two frequencies.





The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

#### 6.4 TEST RESULTS

Temperature :	24.2°C	Relative Humidity:	53%
Pressure :	1010 hPa	Test Voltage :	DC 12 V
Test Mode :	TX		
-26dB Bandwidth	5.2G(5180-5240MHz):	Please refer to the Appendix A.3 for 5G WIFI RF Test Data.	
-6dB Bandwidth	5.8G(5745-5825 MHz):	Please refer to the Appendix B.3 for 5G WIFI RF Test Data.	
99% Bandwidth	5.2G(5180-5240MHz):	Please refer to the Appendix A.4 for 5G WIFI RF Test Data.	
	5.8G(5745-5825 MHz):	Please refer to the Appendix B.4 for 5G WIFI RF Test Data.	

## 7. MAXIMUM CONDUCTED OUTPUT POWER

### 7.1 PLIED PROCEDURES / LIMIT

According to FCC §15.407,

The maximum conducted output power should not exceed:

Frequency Band(MHz)	Limit
5150~5250	250mW
5725~5850	1W

### RSS-247 6.2.1.1, RSS-247 6.2.4.1

Frequency Band(MHz)	Limit
5150~5250	200mW
5725~5850	1W

#### Frequency band 5150-5250 MHz

According to RSS-247 section 6.2.1.1: 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. 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. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

#### Frequency band 5250-5350 MHz

According to RSS-247 section 6.2.2.1: 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. Devices shall implement TPC in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

Devices, other than devices installed in vehicles, shall comply with the following:

The maximum conducted output power shall not exceed 250 mW or  $11 + 10 \log_{10}B$ , dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band;

The maximum e.i.r.p. shall not exceed 1.0 W or  $17 + 10 \log_{10}B$ , dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

#### Frequency bands 5470-5600 MHz and 5650-5725 MHz

According to RSS-247 section 6.2.3.1: The maximum conducted output power shall not exceed 250 mW or  $11 + 10 \log_{10}B$ , dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or  $17 + 10 \log_{10}B$ , dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

#### Frequency bands 5725-5850 MHz

The maximum conducted output power shall not exceed 1 W. The output power spectral density shall not exceed 30 dBm in any 500 kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the output power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed point-to point operations exclude the use of point-to-multipoint systems, omnidirectional applications and multiple collocated transmitters transmitting the same information.

The EUT was directly connected to the Power meter

### 1. Device Configuration

If possible, configure or modify the operation of the EUT so that it transmits continuously at its maximum power control level (see section II.B.).

a) The intent is to test at 100 percent duty cycle; however a small reduction in duty cycle (to no lower than 98 percent) is permitted if required by the EUT for amplitude control purposes. Manufacturers are expected to provide software to the test lab to permit such continuous operation.

b) If continuous transmission (or at least 98 percent duty cycle) cannot be achieved due to hardware limitations (e.g., overheating), the EUT shall be operated at its maximum power control level with the transmit duration as long as possible and the duty cycle as high as possible.

### 2. Measurement using a Spectrum Analyzer or EMI Receiver (SA)

Measurement of maximum conducted output power using a spectrum analyzer requires integrating the spectrum across a frequency span that encompasses, at a minimum, either the EBW or the 99-percent occupied bandwidth of the signal.<sup>1</sup> However, the EBW must be used to determine bandwidth dependent limits on maximum conducted output power in accordance with § 15.407(a).

a) The test method shall be selected as follows: (i) Method SA-1 or SA-1 Alternative (averaging with the EUT transmitting at full power throughout each sweep) shall be applied if either of the following conditions can be satisfied:

- The EUT transmits continuously (or with a duty cycle  $\geq$  98 percent).
- Sweep triggering or gating can be implemented in a way that the device transmits at the maximum power control level throughout the duration of each of the instrument sweeps to be averaged. This condition can generally be achieved by triggering the instrument's sweep if the duration of the sweep (with the analyzer configured as in Method SA-1, below) is equal to or shorter than the duration T of each transmission from the EUT and if those transmissions exhibit full power throughout their durations.

(ii) Method SA-2 or SA-2 Alternative (averaging across on and off times of the EUT transmissions, followed by duty cycle correction) shall be applied if the conditions of (i) cannot be achieved and the transmissions exhibit a constant duty cycle during the measurement duration. Duty cycle will be considered to be constant if variations are less than  $\pm$  2 percent.

(iii) Method SA-3 (RMS detection with max hold) or SA-3 Alternative (reduced VBW with max hold) shall be applied if the conditions of (i) and (ii) cannot be achieved.

b) Method SA-1 (trace averaging with the EUT transmitting at full power throughout each sweep): (i) Set span to encompass the entire emission bandwidth (EBW) (or, alternatively, the entire 99% occupied bandwidth) of the signal.

(ii) Set RBW = 1 MHz.

(iii) Set VBW  $\geq$  3 MHz.

(iv) Number of points in sweep  $\geq$  2 Span / RBW. (This ensures that bin-to-bin spacing is  $\leq$  RBW/2, so that narrowband signals are not lost between frequency bins.)

(v) Sweep time = auto.

(vi) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.

(vii) If transmit duty cycle  $<$  98 percent, use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle  $\geq$  98 percent, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to "free run".

(viii) Trace average at least 100 traces in power averaging (i.e., RMS) mode.

(ix) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum

### 7.3 DEVIATION FROM STANDARD

No deviation.



## 7.5 EUT OPERATION CONDITIONS

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.
2. Set the spectrum analyzer: RBW = 1MHz. VBW =3MHz. Sweep = auto; Detector Function = Peak.
3. Keep the EUT in transmitting at lowest, medium and highest channel individually. Record the max value

## 7.6 TEST RESULTS

Temperature :	24.2°C	Relative Humidity:	53%
Pressure :	1010 hPa	Test Voltage :	DC 12 V
Test Mode :	TX		
5.2G (5180-5240MHz) :	Please refer to the Appendix A.2 for 5G WIFI RF Test Data.		
5.8G(5745-5825 MHz):	Please refer to the Appendix B.2 for 5G WIFI RF Test Data.		

## 8. OUT OF BAND EMISSIONS

### 8.1 APPLICABLE STANDARD

According to FCC §15.407(b), RSS-247 6.2.1.2, RSS-247 6.2.4.2

Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(2) Devices operating in the band 5725-5850 MHz shall have e.i.r.p. of unwanted emissions comply with the following:

- a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
- b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
- c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and
- d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

According to RSS-247 section 6.2.1.2: For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz. The 26 dB bandwidth may fall into the 5250-5350 MHz band; however, if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing dynamic frequency selection (DFS) and TPC, on the portion of the emission that resides in the 5250- 5350 MHz band.

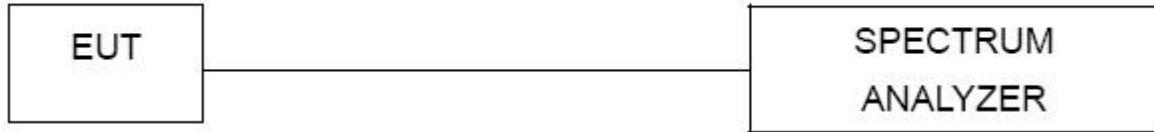
## 8.2 TEST PROCEDURE

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW of spectrum analyzer to 1 MHz with a convenient frequency span.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.

## 8.3 DEVIATION FROM STANDARD

No deviation.

## 8.4 TEST SETUP



## 8.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

## 8.6 TEST RESULTS

Temperature :	24.2°C	Relative Humidity:	53%
Pressure :	1010 hPa	Test Voltage :	DC 12 V
Test Mode :	TX		
5.2G (5180-5240MHz):	Please refer to the Appendix A.6 for 5G WIFI RF Test Data.		
5.8G(5745-5825 MHz):	Please refer to the Appendix B.6 for 5G WIFI RF Test Data.		



## 9. SPURIOUS RF CONDUCTED EMISSIONS

### 9.1 CONFORMANCE LIMIT

Refer to 15.407(b):

Except as shown in paragraph 15.407(b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

Refer to RSS-247/6.2.1.2:

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz. The 26 dB bandwidth may fall into the 5250-5350 MHz band; however, if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing dynamic frequency selection (DFS) and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.

Devices operating in the band 5725-5850 MHz shall have e.i.r.p. of unwanted emissions comply with the following:

- a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
- b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
- c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and
- d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

### 9.2 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

### 9.3 TEST SETUP



### 9.4 TEST PROCEDURE

The Spurious RF conducted emissions compliance of RF radiated emission should be measured by following the guidance in ANSI C63.10-2013 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization etc. Set RBW=100kHz and VBW= 300KHz to measure the peak field strength, and measure frequency range from 30MHz to 1GHz. Set RBW=1MHz and VBW= 3MHz to measure the peak field strength, and measure frequency range from 1GHz to 40GHz.



Temperature :	24.2°C	Relative Humidity:	53%
Pressure :	1010 hPa	Test Voltage :	DC 12 V
Test Mode :	TX		
5.2G (5180-5240MHz):	Please refer to the Appendix A.8 for 5G WIFI RF Test Data.		
5.8G(5745-5825 MHz):	Please refer to the Appendix B.8 for 5G WIFI RF Test Data.		

Remark1: The measurement frequency range is from 30MHz to the 10th harmonic or 40G of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and bandedge measurement data.

Remark2: 26.5G to 40G is the background, so it does not show the data.

## 10.FREQUENCY STABILITY MEASUREMENT

### 10.1 LIMIT

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

According to RSS-247 "Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual." According to RSS-Gen "The frequency stability shall be measured with variation of ambient temperature as follows:" (1) From  $-30^{\circ}$  to  $+ 50^{\circ}$  centigrade for all equipment except that specified in paragraphs (a) (2) and (3) of this section. (2) From  $-20^{\circ}$  to  $+ 50^{\circ}$  centigrade for equipment to be licensed for use in the Maritime Services under part 80 of this chapter, except for Class A, B, and S Emergency Position Indicating Radiobeacons (EPIRBS), and equipment to be licensed for use above 952 MHz at operational fixed stations in all services, stations in the Local Television Transmission Service and Point-to-Point Microwave Radio Service under part 21 of this chapter, equipment licensed for use aboard aircraft in the Aviation Services under part 87 of this chapter, and equipment authorized for use in the Family Radio Service under part 95 of this chapter. (3) From  $0^{\circ}$  to  $+ 50^{\circ}$  centigrade for equipment to be licensed for use in the Radio Broadcast Services under part 73 of this chapter.

### 10.2 TEST PROCEDURES

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. EUT have transmitted absence of modulation signal and fixed channelize.
3. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth.
4. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings.
5. fc is declaring of channel frequency. Then the frequency error formula is  $(fc-f)/fc \times 106$  ppm and the limit is less than  $\pm 20$  ppm (IEEE 802.11n specification).
6. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value
7. Extreme temperature is  $-20^{\circ}\text{C}$ ~ $60^{\circ}\text{C}$ .

### 10.3 TEST SETUP LAYOUT



#### 10.4 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously un-modulation transmitting mode.

#### 10.5 TEST RESULTS

Temperature :	24.2°C	Relative Humidity:	53%
Pressure :	1010 hPa	Test Voltage :	DC 12 V
Test Mode :	TX		
5.2G (5180-5240MHz):	Please refer to the Appendix A.7 for 5G WIFI RF Test Data.		
5.8G(5745-5825 MHz):	Please refer to the Appendix B.7 for 5G WIFI RF Test Data.		



ZHONGHAN

## 11. ANTENNA REQUIREMENT

Project No.: ZHT-250327002W02-2

Page 180 of 181

Standard requirement:	FCC Part15 C Section 15.203, RSS-247 6.8
<p>15.203 requirement:</p> <p>An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.</p> <p>The applicant for equipment certification, as per RSP-100, must provide a list of all antenna types that may be used with the licence-exempt transmitter, indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. Licence-exempt transmitters that have received equipment certification may operate with different types of antennas. However, it is not permissible to exceed the maximum equivalent isotropically radiated power (EIRP) limits specified in the applicable standard (RSS) for the licence-exempt apparatus. Testing shall be performed using the highest gain antenna of each combination of licence-exempt transmitter and antenna type, with the transmitter output power set at the maximum level.<sup>9</sup> When a measurement at the antenna connector is used to determine RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna manufacturer.</p>	
<p>EUT Antenna:</p> <p>The antenna is FPC Antenna, the best case gain of the antenna is 5180-5240MHz: 6.57dBi, 5745-5825 MHz: 6.12dBi, reference to the appendix II for details</p>	

## 11. TEST SETUP PHOTO

Reference to the appendix I for details.

## 12. EUT CONSTRUCTIONAL DETAILS

Reference to the appendix II for details.

\*\*\*\*\* END OF REPORT \*\*\*\*\*