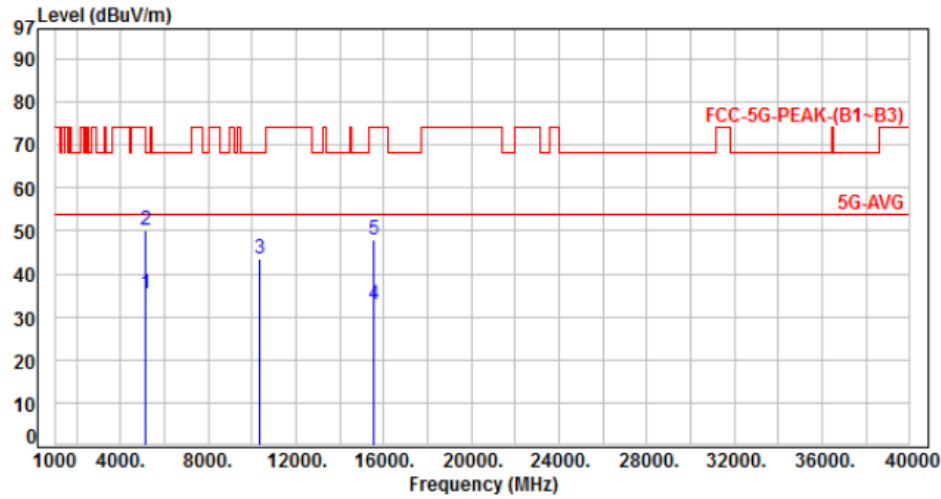




Power	: DC 5V From system	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH36, Band 1	Temperature	: 22 °C
Test Date	: Jan. 04, 2019	Humidity	: 59 %

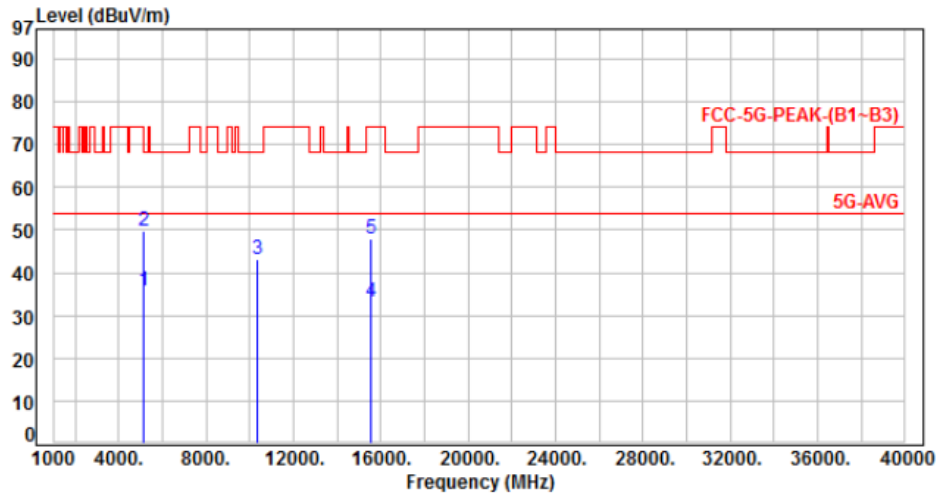


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	-7.68	43.22	35.54	54.00	-18.46	Average	100	44	P
2	5150.00	-7.68	57.80	50.12	74.00	-23.88	Peak	100	44	P
3	10360.00	-0.12	43.57	43.45	68.20	-24.75	Peak	100	126	P
4	15540.00	5.24	27.45	32.69	54.00	-21.31	Average	100	74	P
5	15540.00	5.24	42.69	47.93	74.00	-26.07	Peak	100	74	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: DC 5V From system	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH36, Band 1	Temperature	: 22 °C
Test Date	: Jan. 04, 2019	Humidity	: 59 %

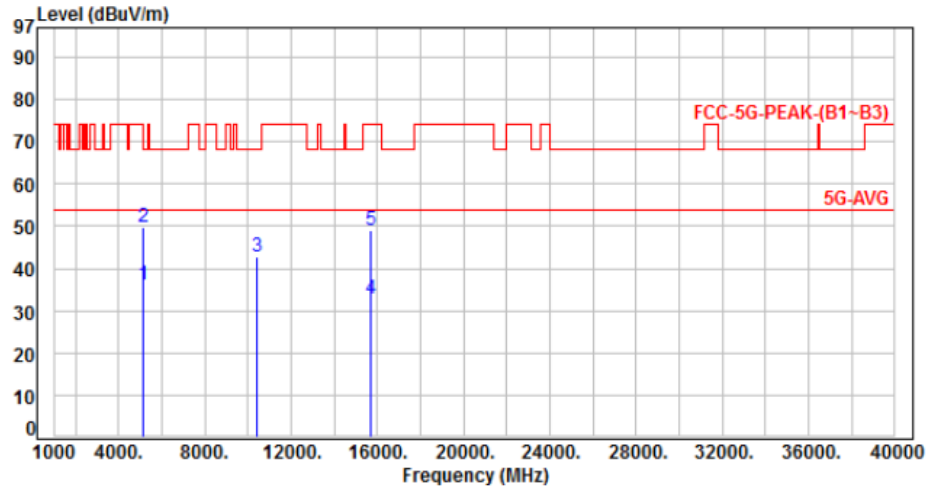


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	-7.68	43.42	35.74	54.00	-18.26	Average	100	343	P
2	5150.00	-7.68	57.31	49.63	74.00	-24.37	Peak	100	343	P
3	10360.00	-0.12	43.11	42.99	68.20	-25.21	Peak	100	279	P
4	15540.00	5.24	28.01	33.25	54.00	-20.75	Average	100	303	P
5	15540.00	5.24	42.81	48.05	74.00	-25.95	Peak	100	303	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: DC 5V From system	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH44, Band 1	Temperature	: 22 °C
Test Date	: Jan. 04, 2019	Humidity	: 59 %

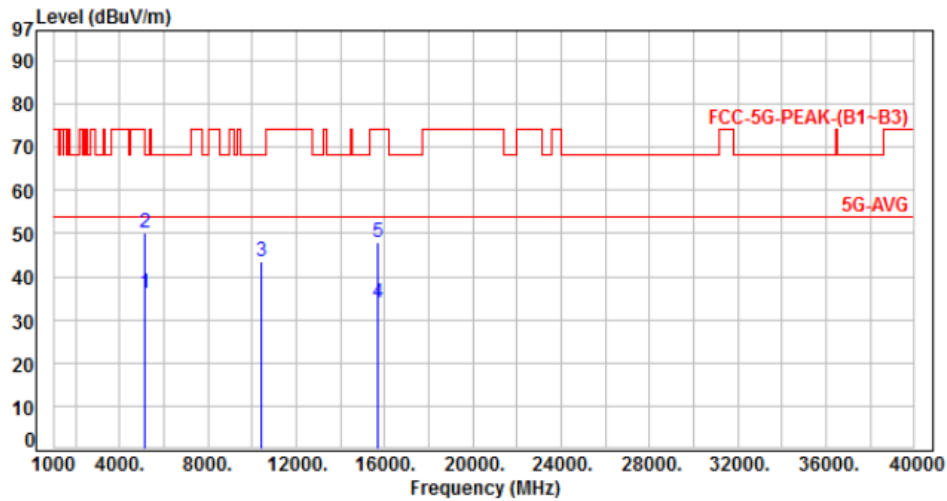


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	-7.68	43.80	36.12	54.00	-17.88	Average	260	305	P
2	5150.00	-7.68	57.64	49.96	74.00	-24.04	Peak	260	305	P
3	10440.00	-0.03	42.71	42.68	68.20	-25.52	Peak	100	69	P
4	15660.00	5.32	27.49	32.81	54.00	-21.19	Average	100	111	P
5	15660.00	5.32	43.85	49.17	74.00	-24.83	Peak	100	111	P

Note: Level=Reading+Factor
 Margin=Level-Limit
 Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: DC 5V From system	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH44, Band 1	Temperature	: 22 °C
Test Date	: Jan. 04, 2019	Humidity	: 59 %

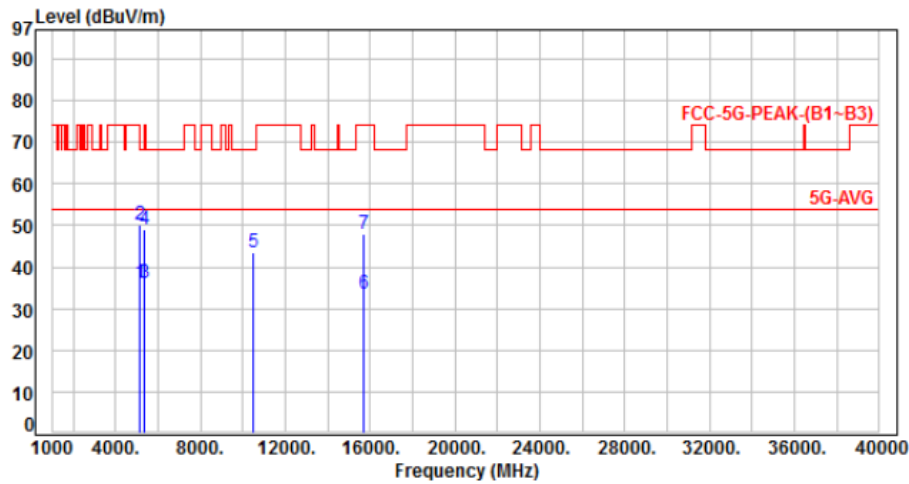


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	-7.68	43.82	36.14	54.00	-17.86	Average	100	50	P
2	5150.00	-7.68	57.80	50.12	74.00	-23.88	Peak	100	50	P
3	10440.00	-0.03	43.51	43.48	68.20	-24.72	Peak	100	91	P
4	15660.00	5.32	28.46	33.78	54.00	-20.22	Average	100	230	P
5	15660.00	5.32	42.65	47.97	74.00	-26.03	Peak	100	230	P

Note: Level=Reading+Factor
 Margin=Level-Limit
 Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: DC 5V From system	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH48, Band 1	Temperature	: 22 °C
Test Date	: Jan. 04, 2019	Humidity	: 59 %

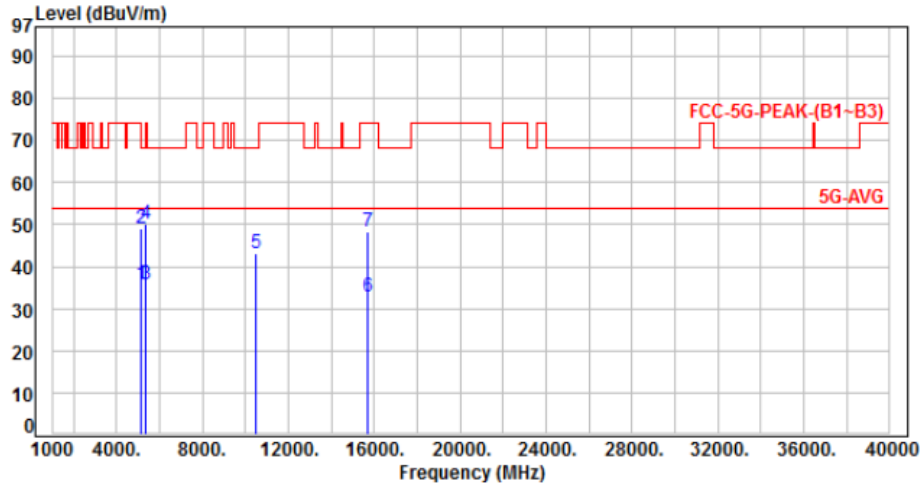


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	-7.68	43.81	36.13	54.00	-17.87	Average	257	299	P
2	5150.00	-7.68	57.80	50.12	74.00	-23.88	Peak	257	299	P
3	5350.00	-7.30	43.40	36.10	54.00	-17.90	Average	257	299	P
4	5350.00	-7.30	56.45	49.15	74.00	-24.85	Peak	257	299	P
5	10480.00	0.01	43.63	43.64	68.20	-24.56	Peak	100	34	P
6	15720.00	5.36	28.16	33.52	54.00	-20.48	Average	100	66	P
7	15720.00	5.36	42.74	48.10	74.00	-25.90	Peak	100	66	P

Note: Level=Reading+Factor
 Margin=Level-Limit
 Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: DC 5V From system	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH48, Band 1	Temperature	: 22 °C
Test Date	: Jan. 04, 2019	Humidity	: 59 %

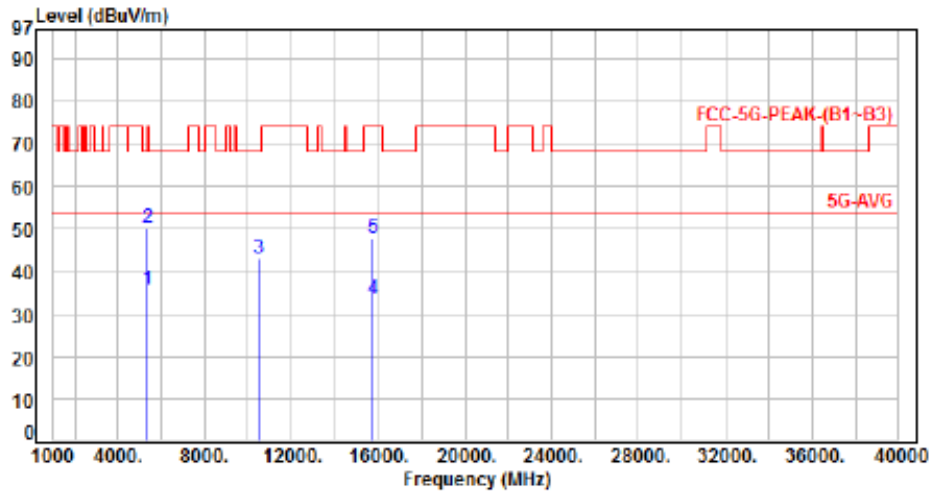


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	-7.68	43.44	35.76	54.00	-18.24	Average	100	58	P
2	5150.00	-7.68	56.60	48.92	74.00	-25.08	Peak	100	58	P
3	5350.00	-7.30	42.90	35.60	54.00	-18.40	Average	100	58	P
4	5350.00	-7.30	57.60	50.30	74.00	-23.70	Peak	100	58	P
5	10480.00	0.01	43.21	43.22	68.20	-24.98	Peak	100	325	P
6	15720.00	5.36	27.44	32.80	54.00	-21.20	Average	100	300	P
7	15720.00	5.36	42.91	48.27	74.00	-25.73	Peak	100	300	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: DC 5V From system	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH52, Band 2	Temperature	: 22 °C
Test Date	: Jan. 04, 2019	Humidity	: 59 %

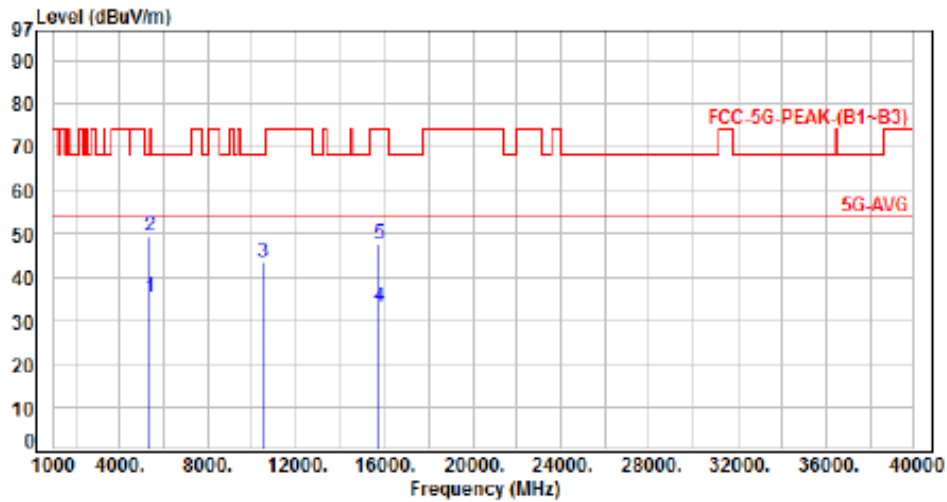


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5350.00	-7.30	43.22	35.92	54.00	-18.08	Average	231	342	P
2	5350.00	-7.30	57.42	50.12	74.00	-23.88	Peak	231	342	P
3	10520.00	0.04	43.22	43.26	68.20	-24.94	Peak	100	68	P
4	15780.00	5.41	28.33	33.74	54.00	-20.26	Average	100	68	P
5	15780.00	5.41	42.55	47.96	74.00	-26.04	Peak	100	68	P

Note: Level=Reading+Factor
 Margin=Level-Limit
 Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: DC 5V From system	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH52, Band 2	Temperature	: 22 °C
Test Date	: Jan. 04, 2019	Humidity	: 59 %

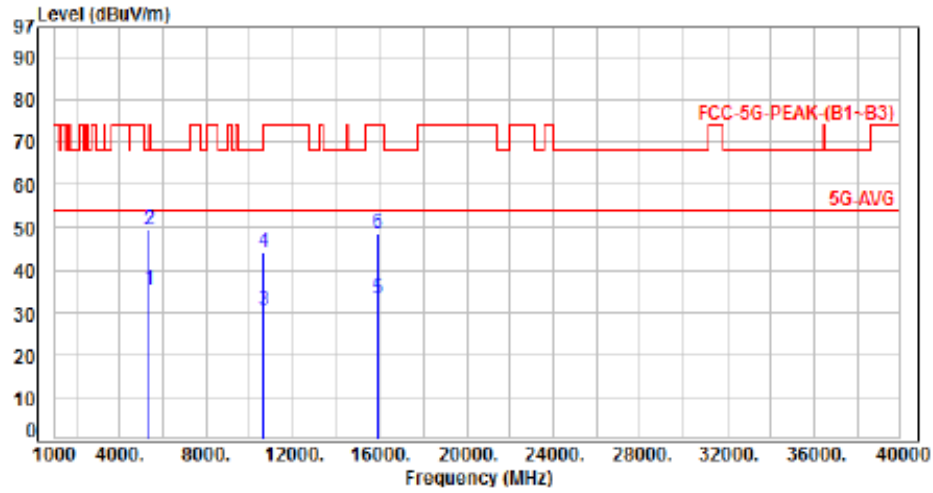


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5350.00	-7.30	42.66	35.36	54.00	-18.64	Average	100	48	P
2	5350.00	-7.30	56.81	49.51	74.00	-24.49	Peak	100	48	P
3	10520.00	0.04	43.66	43.70	68.20	-24.50	Peak	100	345	P
4	15780.00	5.41	27.91	33.32	54.00	-20.68	Average	100	301	P
5	15780.00	5.41	42.33	47.74	74.00	-26.26	Peak	100	301	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: DC 5V From system	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH60, Band 2	Temperature	: 22 °C
Test Date	: Jan. 04, 2019	Humidity	: 59 %

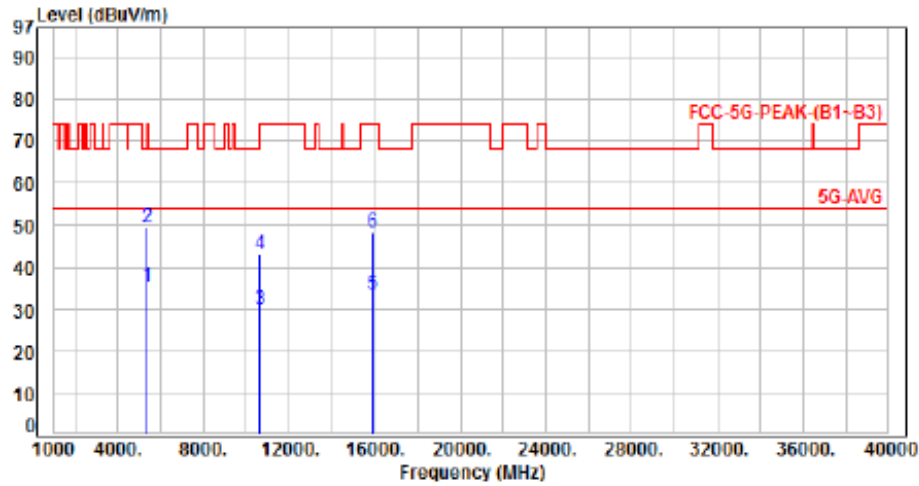


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5350.00	-7.30	42.70	35.40	54.00	-18.60	Average	100	46	P
2	5350.00	-7.30	56.80	49.50	74.00	-24.50	Peak	100	46	P
3	10600.00	0.12	38.36	38.48	54.00	-23.52	Average	100	95	P
4	10600.00	0.12	44.02	44.14	74.00	-29.86	Peak	100	95	P
5	15900.00	5.49	27.68	33.17	54.00	-20.83	Average	100	119	P
6	15900.00	5.49	43.08	48.57	74.00	-25.43	Peak	100	119	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: DC 5V From system	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH60, Band 2	Temperature	: 22 °C
Test Date	: Jan. 04, 2019	Humidity	: 59 %

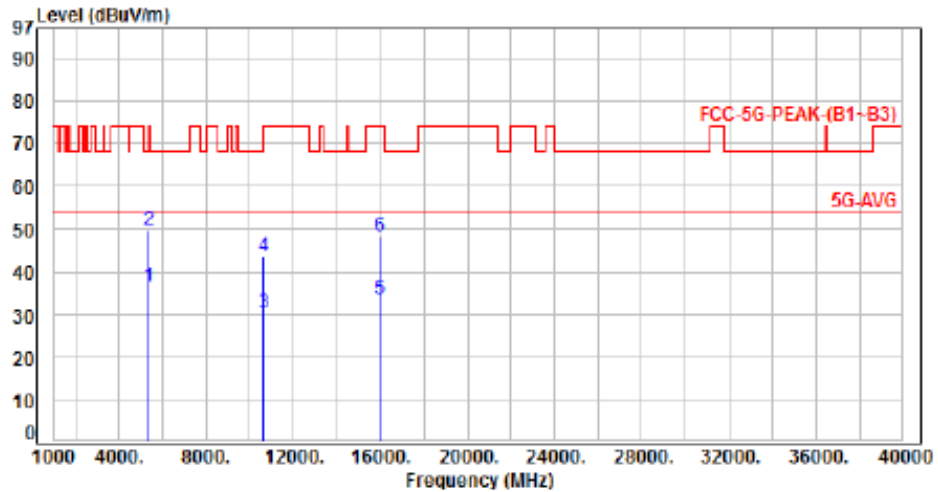


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5350.00	-7.30	42.88	35.58	54.00	-18.42	Average	186	337	P
2	5350.00	-7.30	56.71	49.41	74.00	-24.59	Peak	186	337	P
3	10600.00	0.12	29.78	29.90	54.00	-24.10	Average	100	346	P
4	10600.00	0.12	43.11	43.23	74.00	-30.77	Peak	100	346	P
5	15900.00	5.49	28.12	33.61	54.00	-20.39	Average	100	312	P
6	15900.00	5.49	42.68	48.17	74.00	-25.83	Peak	100	312	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: DC 5V From system	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH64, Band 2	Temperature	: 22 °C
Test Date	: Jan. 04, 2019	Humidity	: 59 %

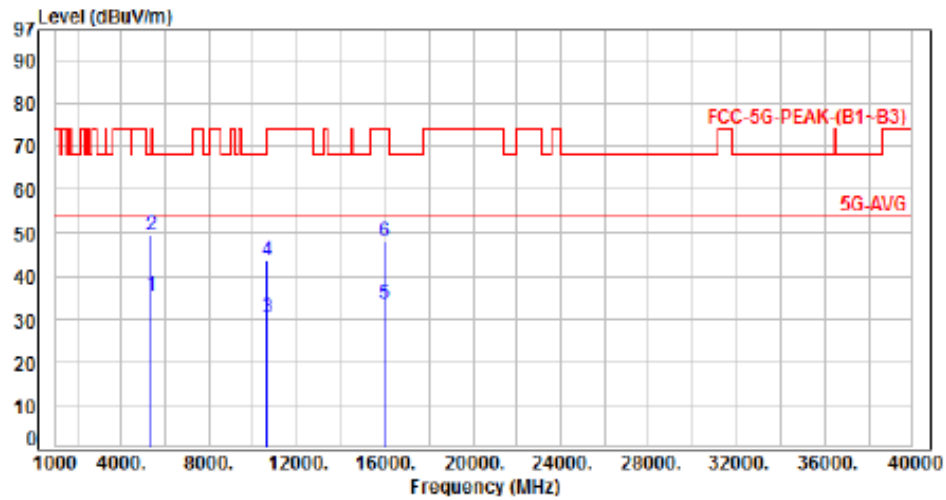


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5350.00	-7.30	43.76	36.46	54.00	-17.54	Average	100	47	P
2	5350.00	-7.30	57.03	49.73	74.00	-24.27	Peak	100	47	P
3	10640.00	0.15	29.98	30.13	54.00	-23.87	Average	100	144	P
4	10640.00	0.15	43.28	43.43	74.00	-30.57	Peak	100	144	P
5	15960.00	5.53	27.88	33.41	54.00	-20.59	Average	100	105	P
6	15960.00	5.53	42.92	48.45	74.00	-25.55	Peak	100	105	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: DC 5V From system	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH64, Band 2	Temperature	: 22 °C
Test Date	: Jan. 04, 2019	Humidity	: 59 %

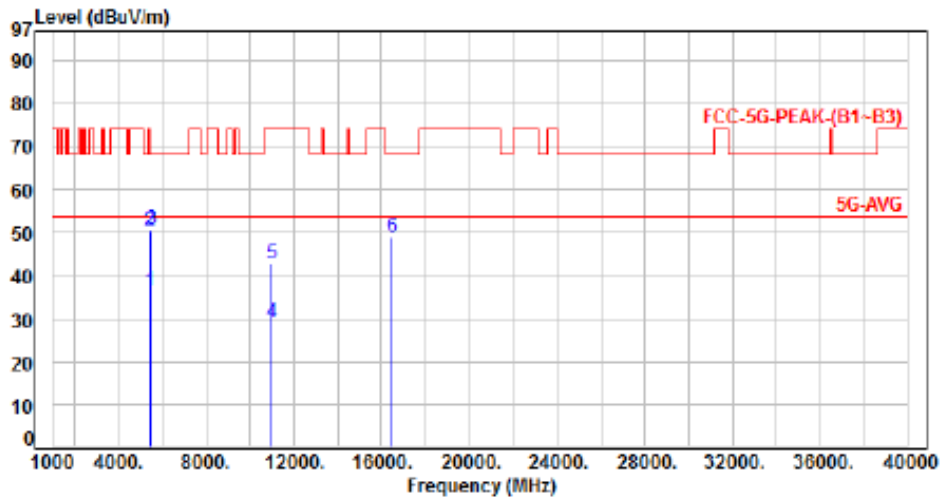


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5350.00	-7.30	42.66	35.36	54.00	-18.64	Average	135	44	P
2	5350.00	-7.30	56.81	49.51	74.00	-24.49	Peak	135	44	P
3	10640.00	0.15	29.94	30.09	54.00	-23.91	Average	100	341	P
4	10640.00	0.15	43.52	43.67	74.00	-30.33	Peak	100	341	P
5	15960.00	5.53	27.85	33.38	54.00	-20.62	Average	100	267	P
6	15960.00	5.53	42.46	47.99	74.00	-26.01	Peak	100	267	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: DC 5V From system	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH100, Band 3	Temperature	: 22 °C
Test Date	: Jan. 04, 2019	Humidity	: 59 %

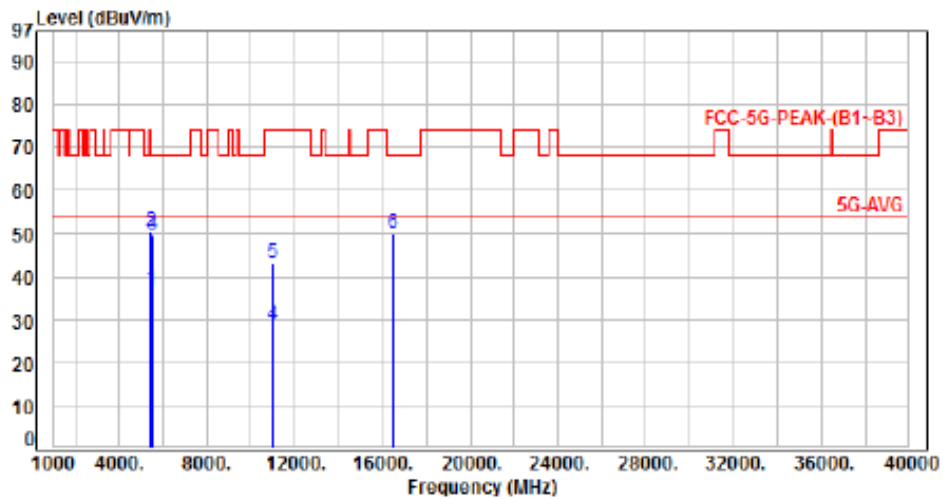


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	-7.10	43.70	36.60	54.00	-17.40	Average	163	328	P
2	5460.00	-7.10	57.50	50.40	74.00	-23.60	Peak	163	328	P
3	5470.00	-7.08	57.80	50.72	68.20	-17.48	Peak	163	328	P
4	11000.00	0.46	28.67	29.13	54.00	-24.87	Average	100	65	P
5	11000.00	0.46	42.30	42.76	74.00	-31.24	Peak	100	65	P
6	16500.00	7.26	41.63	48.89	68.20	-19.31	Peak	100	116	P

Note: Level=Reading+Factor
 Margin=Level-Limit
 Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: DC 5V From system	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH100, Band 3	Temperature	: 22 °C
Test Date	: Jan. 04, 2019	Humidity	: 59 %

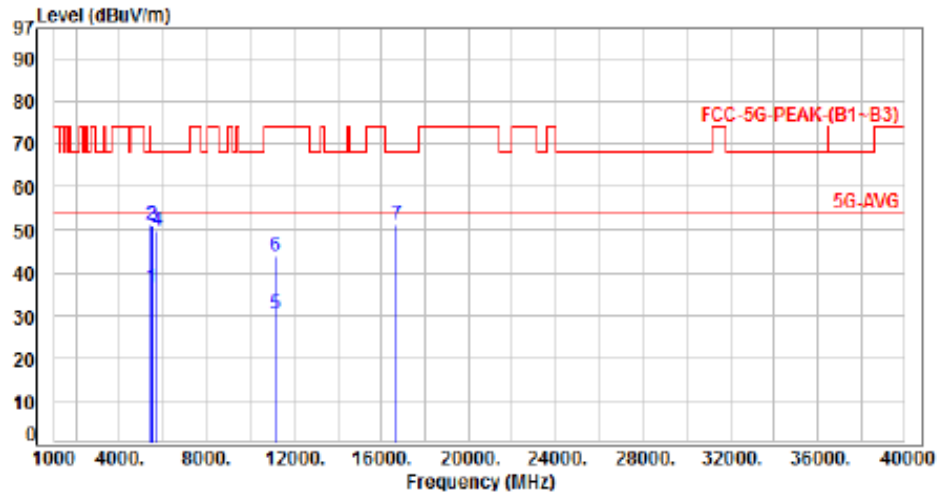


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	-7.10	43.90	36.80	54.00	-17.20	Average	100	15	P
2	5460.00	-7.10	57.80	50.70	74.00	-23.30	Peak	100	15	P
3	5470.00	-7.08	56.88	49.80	68.20	-18.40	Peak	100	15	P
4	11000.00	0.46	28.42	28.88	54.00	-25.12	Average	100	77	P
5	11000.00	0.46	42.86	43.32	74.00	-30.68	Peak	100	77	P
6	16500.00	7.26	43.02	50.28	68.20	-17.92	Peak	100	104	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: DC 5V From system	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH116, Band 3	Temperature	: 22 °C
Test Date	: Jan. 04, 2019	Humidity	: 59 %

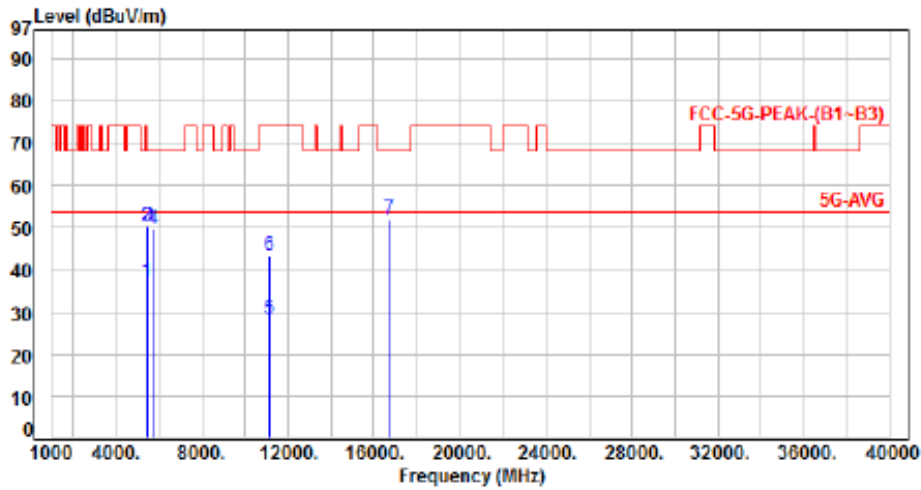


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	-7.10	43.70	36.60	54.00	-17.40	Average	113	63	P
2	5460.00	-7.10	58.22	51.12	74.00	-22.88	Peak	113	63	P
3	5470.00	-7.08	57.88	50.72	68.20	-17.48	Peak	113	63	P
4	5725.00	-6.95	56.61	49.66	68.20	-18.54	Peak	113	63	P
5	11160.00	0.70	29.56	30.26	54.00	-23.74	Average	100	73	P
6	11160.00	0.70	43.32	44.02	74.00	-29.98	Peak	100	73	P
7	16740.00	8.65	42.45	51.10	68.20	-17.10	Peak	100	116	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: DC 5V From system	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH116, Band 3	Temperature	: 22 °C
Test Date	: Jan. 04, 2019	Humidity	: 59 %

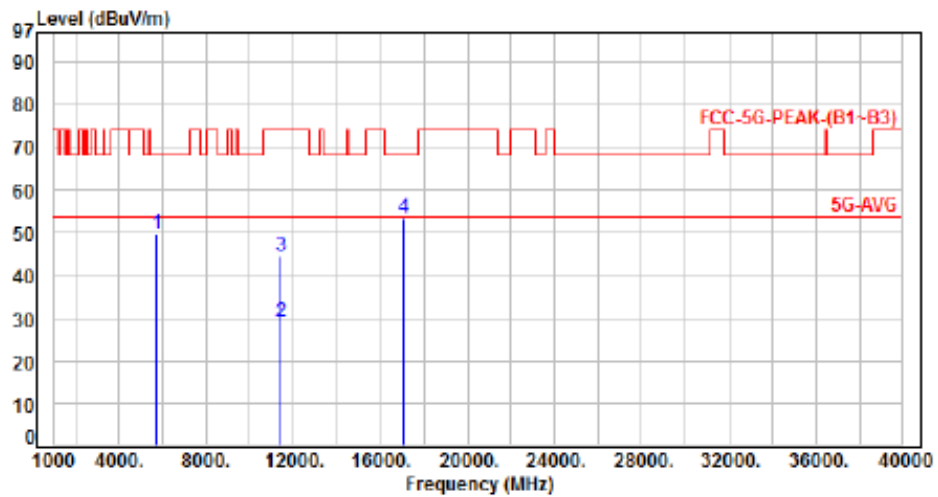


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	-7.10	44.20	37.10	54.00	-16.90	Average	133	355	P
2	5460.00	-7.10	57.80	50.70	74.00	-23.30	Peak	133	355	P
3	5470.00	-7.08	57.50	50.42	68.20	-17.78	Peak	133	355	P
4	5725.00	-6.95	56.81	49.86	68.20	-18.34	Peak	133	355	P
5	11160.00	0.70	27.63	28.33	54.00	-25.67	Average	100	308	P
6	11160.00	0.70	42.65	43.35	74.00	-30.65	Peak	100	308	P
7	16740.00	8.65	43.24	51.89	68.20	-16.31	Peak	100	285	P

Note: Level=Reading+Factor
 Margin=Level-Limit
 Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: DC 5V From system	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH140, Band 3	Temperature	: 22 °C
Test Date	: Jan. 04, 2019	Humidity	: 59 %

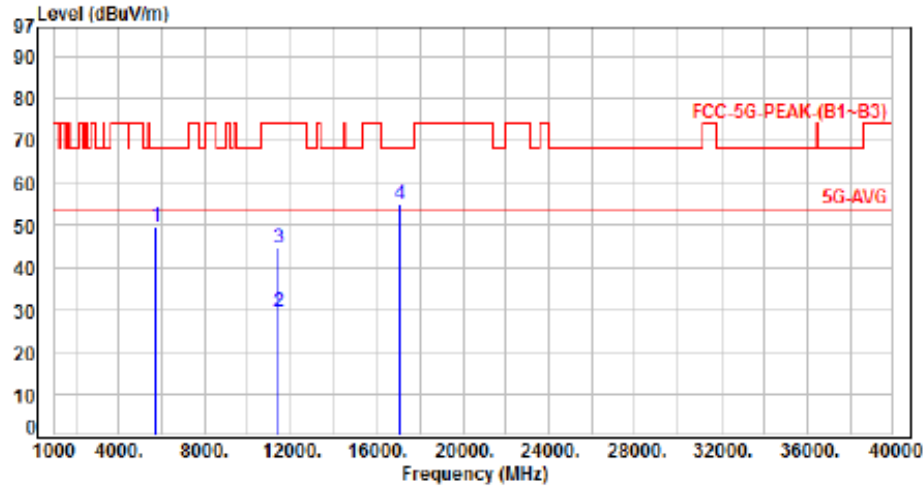


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5725.00	-6.95	56.81	49.86	68.20	-18.34	Peak	247	50	P
2	11400.00	1.05	27.95	29.00	54.00	-25.00	Average	100	56	P
3	11400.00	1.05	43.68	44.73	74.00	-29.27	Peak	100	56	P
4	17100.00	10.79	42.58	53.37	68.20	-14.83	Peak	100	163	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: DC 5V From system	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH140, Band 3	Temperature	: 22 °C
Test Date	: Jan. 04, 2019	Humidity	: 59 %

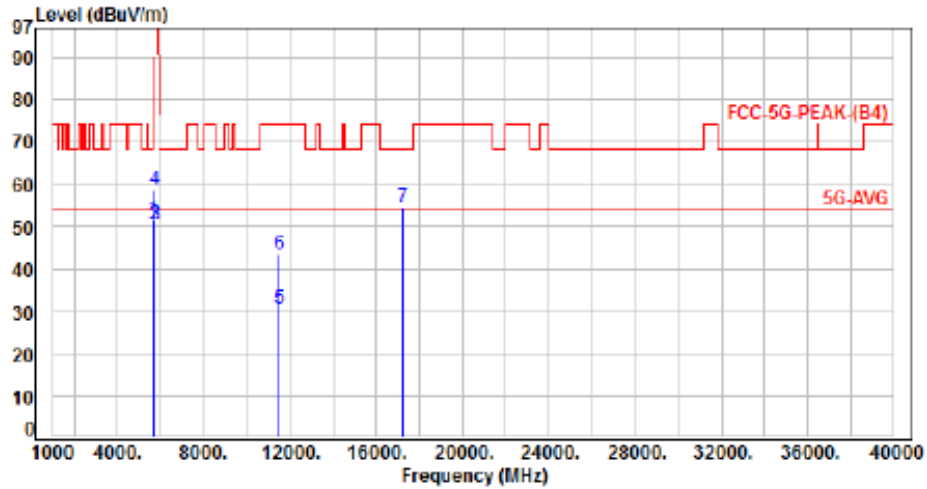


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5725.00	-6.95	56.91	49.96	68.20	-18.24	Peak	100	260	P
2	11400.00	1.05	28.42	29.47	54.00	-24.53	Average	100	267	P
3	11400.00	1.05	43.65	44.70	74.00	-29.30	Peak	100	267	P
4	17100.00	10.79	44.21	55.00	68.20	-13.20	Peak	100	349	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: DC 5V From system	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH149, Band 4	Temperature	: 22 °C
Test Date	: Jan. 04, 2019	Humidity	: 59 %

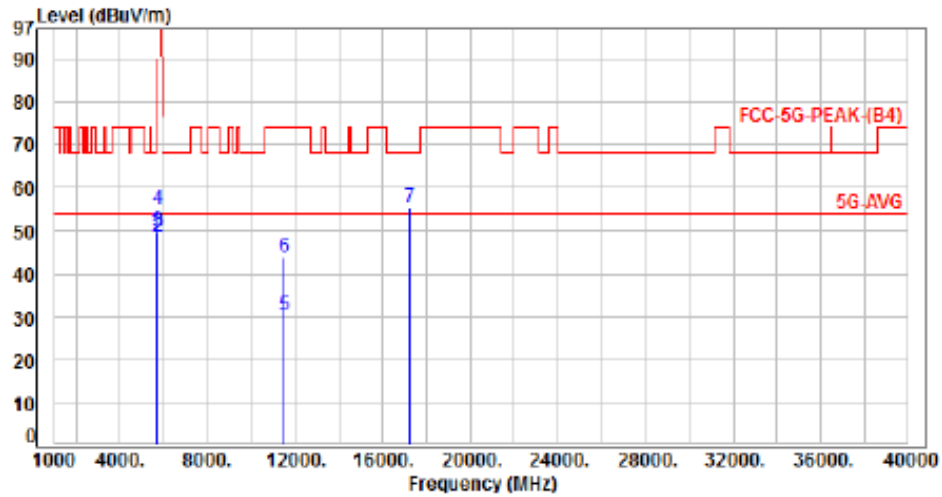


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-6.97	58.44	51.47	68.20	-16.73	Peak	400	216	P
2	5700.00	-6.95	57.42	50.47	105.20	-54.73	Peak	400	216	P
3	5720.00	-6.95	57.50	50.55	118.80	-68.25	Peak	400	216	P
4	5725.00	-6.95	65.61	58.66	122.20	-63.54	Peak	400	216	P
5	11490.00	1.18	29.48	30.66	54.00	-23.34	Average	100	63	P
6	11490.00	1.18	42.48	43.66	74.00	-30.34	Peak	100	63	P
7	17235.00	11.64	43.11	54.75	68.20	-13.45	Peak	100	99	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: DC 5V From system	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH149, Band 4	Temperature	: 22 °C
Test Date	: Jan. 04, 2019	Humidity	: 59 %

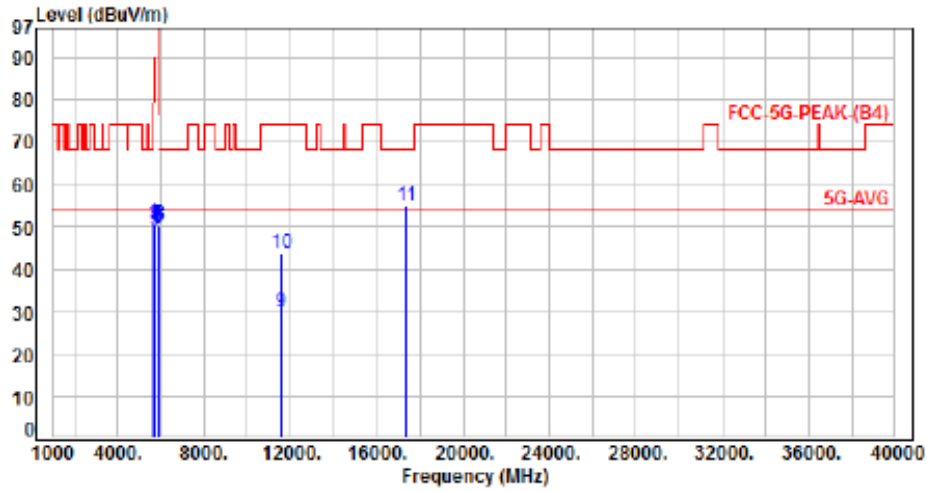


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-6.97	56.70	49.73	68.20	-18.47	Peak	100	280	P
2	5700.00	-6.95	55.80	48.85	105.20	-56.35	Peak	100	280	P
3	5720.00	-6.95	56.65	49.70	110.80	-61.10	Peak	100	280	P
4	5725.00	-6.95	61.90	54.95	122.20	-67.25	Peak	100	280	P
5	11490.00	1.18	28.97	30.15	54.00	-23.85	Average	100	321	P
6	11490.00	1.18	42.66	43.84	74.00	-30.16	Peak	100	321	P
7	17235.00	11.64	43.55	55.19	68.20	-13.01	Peak	100	300	P

Note: Level=Reading+Factor
 Margin=Level-Limit
 Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: DC 5V From system	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH157, Band 4	Temperature	: 22 °C
Test Date	: Jan. 04, 2019	Humidity	: 59 %

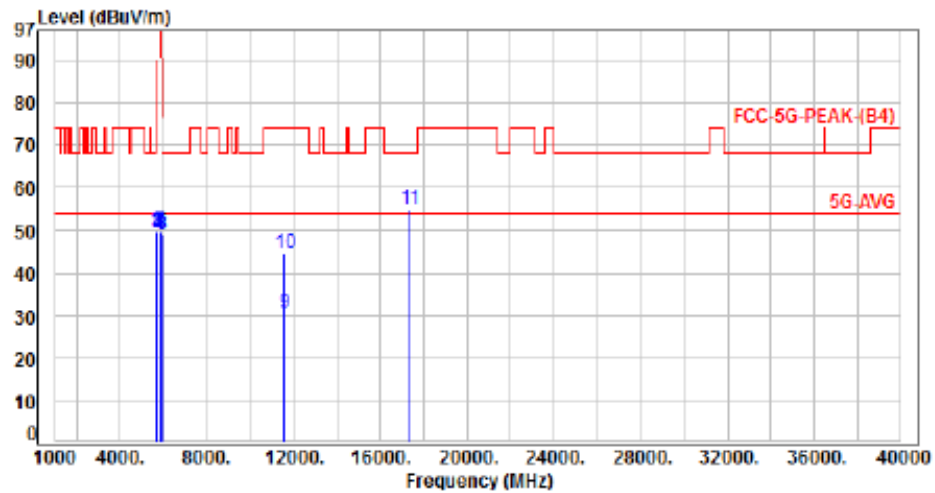


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-6.97	57.88	50.91	68.20	-17.29	Peak	393	217	P
2	5700.00	-6.95	57.30	50.35	105.20	-54.85	Peak	393	217	P
3	5720.00	-6.95	56.40	49.45	110.00	-61.35	Peak	393	217	P
4	5725.00	-6.95	57.46	50.51	122.20	-71.69	Peak	393	217	P
5	5850.00	-6.90	56.80	49.90	122.20	-72.30	Peak	393	217	P
6	5855.00	-6.90	56.95	50.05	110.00	-60.75	Peak	393	217	P
7	5875.00	-6.89	56.70	49.81	105.20	-55.39	Peak	393	217	P
8	5925.00	-6.88	57.40	50.52	68.20	-17.68	Peak	393	217	P
9	11570.00	1.28	28.76	30.04	54.00	-23.96	Average	100	111	P
10	11570.00	1.28	42.47	43.75	74.00	-30.25	Peak	100	111	P
11	17355.00	12.41	42.59	55.00	68.20	-13.20	Peak	100	147	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: DC 5V From system	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH157, Band 4	Temperature	: 22 °C
Test Date	: Jan. 04, 2019	Humidity	: 59 %

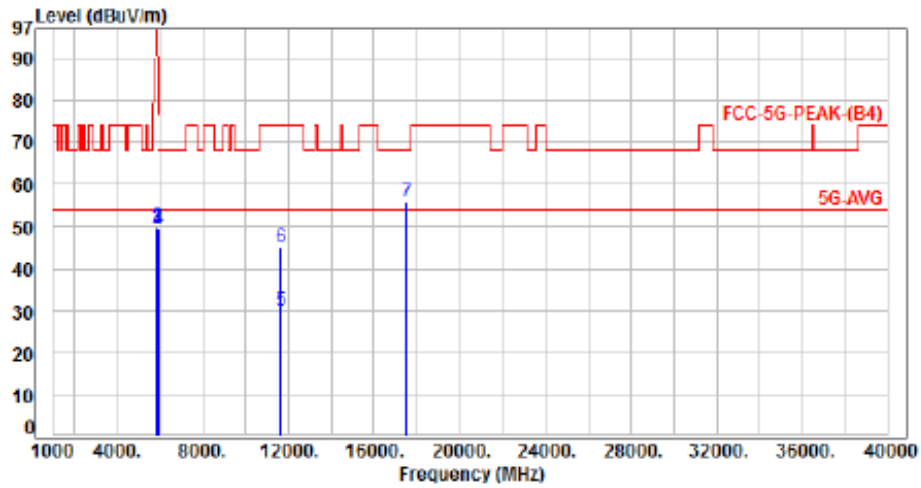


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-6.97	56.70	49.73	68.20	-18.47	Peak	100	270	P
2	5700.00	-6.95	56.40	49.45	105.20	-55.75	Peak	100	270	P
3	5720.00	-6.95	56.80	49.85	110.80	-60.95	Peak	100	270	P
4	5725.00	-6.95	56.37	49.42	122.20	-72.78	Peak	100	270	P
5	5850.00	-6.90	56.55	49.65	122.20	-72.55	Peak	100	270	P
6	5855.00	-6.90	56.40	49.50	110.80	-61.30	Peak	100	270	P
7	5875.00	-6.89	56.30	49.41	105.20	-55.79	Peak	100	270	P
8	5925.00	-6.88	56.11	49.23	68.20	-18.97	Peak	100	270	P
9	11570.00	1.28	29.47	30.75	54.00	-23.25	Average	100	345	P
10	11570.00	1.28	43.42	44.70	74.00	-29.30	Peak	100	345	P
11	17355.00	12.41	42.42	54.83	68.20	-13.37	Peak	100	268	P

Note: Level=Reading+Factor
 Margin=Level-Limit
 Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: DC 5V From system	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH165, Band 4	Temperature	: 22 °C
Test Date	: Jan. 04, 2019	Humidity	: 59 %

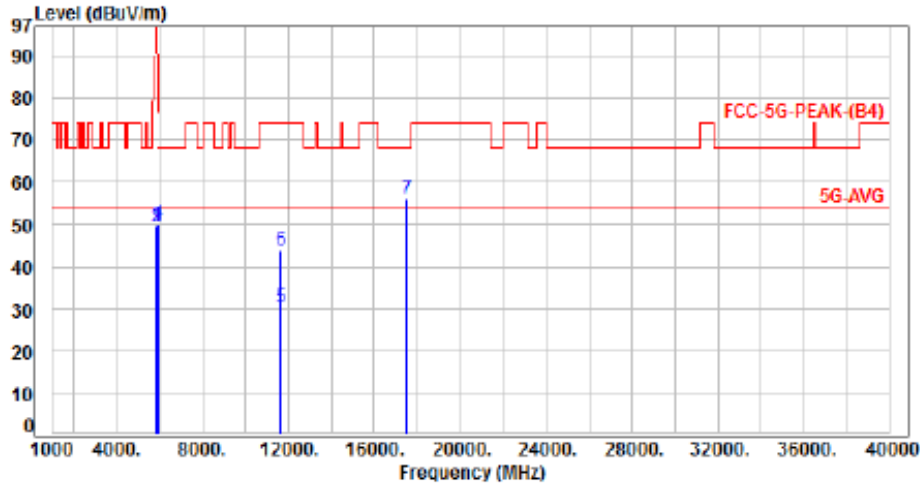


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5850.00	-6.90	56.82	49.92	122.20	-72.28	Peak	369	216	P
2	5855.00	-6.90	56.78	49.88	110.80	-61.00	Peak	369	216	P
3	5875.00	-6.89	56.28	49.31	105.20	-55.89	Peak	369	216	P
4	5925.00	-6.88	56.23	49.35	68.20	-18.85	Peak	369	216	P
5	11650.00	1.37	28.56	29.93	54.00	-24.07	Average	100	115	P
6	11650.00	1.37	43.57	44.94	74.00	-29.06	Peak	100	115	P
7	17475.00	13.18	42.41	55.59	68.20	-12.61	Peak	100	200	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: DC 5V From system	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH165, Band 4	Temperature	: 22 °C
Test Date	: Jan. 04, 2019	Humidity	: 59 %



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5850.00	-6.90	56.70	49.80	122.20	-72.40	Peak	223	270	P
2	5855.00	-6.90	56.50	49.60	118.80	-61.20	Peak	223	270	P
3	5875.00	-6.89	56.40	49.51	105.20	-55.69	Peak	223	270	P
4	5925.00	-6.88	57.21	50.33	68.20	-17.87	Peak	223	270	P
5	11650.00	1.37	28.94	30.31	54.00	-23.69	Average	100	328	P
6	11650.00	1.37	42.67	44.04	74.00	-29.96	Peak	100	328	P
7	17475.00	13.18	42.84	56.02	68.20	-12.18	Peak	100	311	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



6.7. Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 – 0.11000	16.42000 – 16.42300	399.9 – 410.0	4.500 – 5.150
0.49500 – 0.505**	16.69475 – 16.69525	608.0 – 614.0	5.350 – 5.460
2.17350 – 2.19050	16.80425 – 16.80475	960.0 – 1240.0	7.250 – 7.750
4.12500 – 4.12800	25.50000 – 25.67000	1300.0 – 1427.0	8.025 – 8.500
4.17725 – 4.17775	37.50000 – 38.25000	1435.0 – 1626.5	9.000 – 9.200
4.20725 – 4.20775	73.00000 – 74.60000	1645.5 – 1646.5	9.300 – 9.500
6.21500 – 6.21800	74.80000 – 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 – 6.26825	108.00000 – 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 – 138.00000	2200.0 – 2300.0	14.470 – 14.500
8.29100 – 8.29400	149.90000 – 150.05000	2310.0 – 2390.0	15.350 – 16.200
8.36200 – 8.36600	156.52475 – 156.52525	2483.5 – 2500.0	17.700 – 21.400
8.37625 – 8.38675	156.70000 – 156.90000	2655.0 – 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 – 167.17000	3260.0 – 3267.0	23.600 – 24.000
12.29000 – 12.29300	167.72000 – 173.20000	3332.0 – 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 – 285.00000	3345.8 – 3358.0	36.430 – 36.500
12.57675 – 12.57725	322.00000 – 335.40000	3600.0 – 4400.0	Above 38.6
13.36000 – 13.41000			

** : Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz



7. On Time, Duty Cycle and Measurement methods

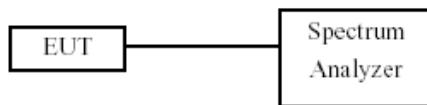
7.1. Test Limit

None; for reporting purposes only.

7.2. Test Procedure

KDB 789033 Zero-Span Spectrum Analyzer Method.

7.3. Test Setup Layout



7.4. Test Result and Data

Temperature: 22°C

Humidity: 62%

Test Date: Jan. 04, 2019

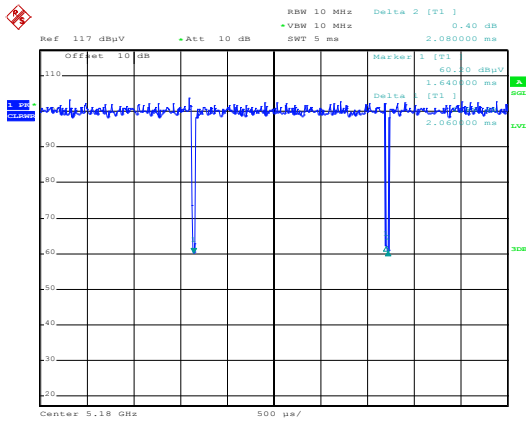
Modulation Mode	On Time (ms)	Period Time (ms)	Duty Cycle (%)
802.11a,6M	2.06	2.08	99.04%
802.11n HT20,M0	1.92	1.93	99.48%

7.5. Measurement Methods

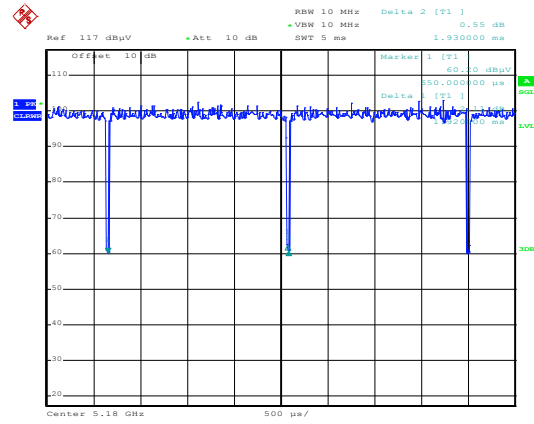
26 dB and 6dB Emission BW	KDB 789033 D02 v02r01, Section C
99% Occupied BW	KDB 789033 D02 v02r01, Section D
Conducted Output Power	KDB 789033 D02 v02r01, Section E.2.d and E.3.b (Method PM-G)
Power Spectral Density	KDB 789033 D02 v02r01, Section F
Unwanted emissions in restricted bands	KDB 789033 D02 v02r01, Sections G and H
Unwanted emissions in non-restricted bands	KDB 789033 D02 v02r01, Sections G and H



Modulation Standard: 802.11a (6Mbps)



Modulation Standard: 802.11n HT20 (6.5Mbps)





8. 6dB Bandwidth & 99% Occupied Bandwidth

8.1. Test Limit

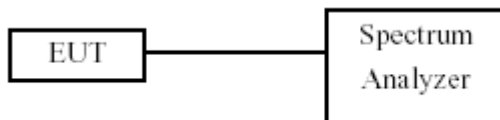
FCC §15.407

The minimum 6 dB bandwidth shall be at least 500 kHz.

8.2. Test Procedure

Reference to 789033 D02 General UNII Test Procedures New Rules v01: The transmitter output is connected to a spectrum analyzer with the RBW set to 100KHz, the VBW >= 3 x RBW, peak detector and max hold.

8.3. Test Setup Layout



8.4. Test Result and Data (6dB Bandwidth)

Temperature: 22°C

Humidity: 62%

Test Date: Jan. 09, 2019

In the 5.8G Band

Mode	Channel	Frequency (MHz)	6dB Bandwidth(MHz)	Minimum Limit (MHz)
			ANT A	
802.11a	149	5745	16.30	0.50
802.11a	157	5785	16.40	0.50
802.11a	165	5825	16.40	0.50
802.11n HT20	149	5745	16.90	0.50
802.11n HT20	157	5785	17.00	0.50
802.11n HT20	165	5825	17.30	0.50



8.5. Test Result and Data (99% Occupied Bandwidth)

Temperature: 22°C

Humidity: 62%

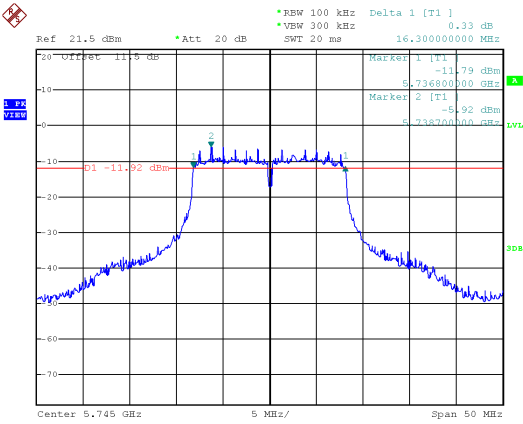
Test Date: Jan. 09, 2019

In the 5.8G Band

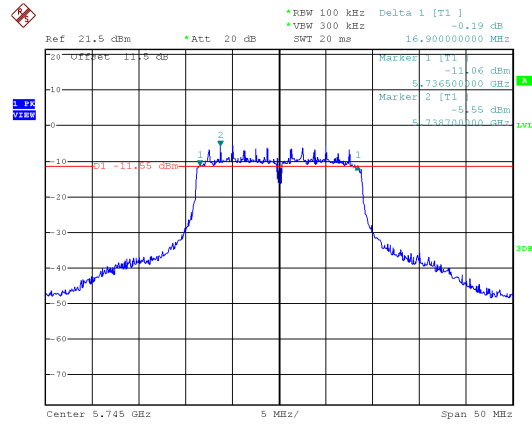
Mode	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
802.11a	149	5745	16.80
802.11a	157	5785	17.00
802.11a	165	5825	16.90
802.11n HT20	149	5745	17.90
802.11n HT20	157	5785	17.90
802.11n HT20	165	5825	17.90



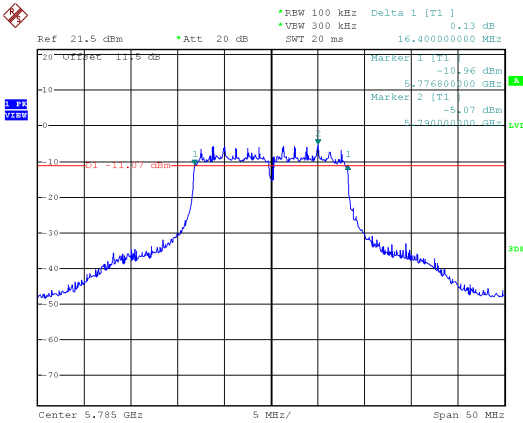
6dB Bandwidth
Modulation Standard: 802.11a (6Mbps)
CH149



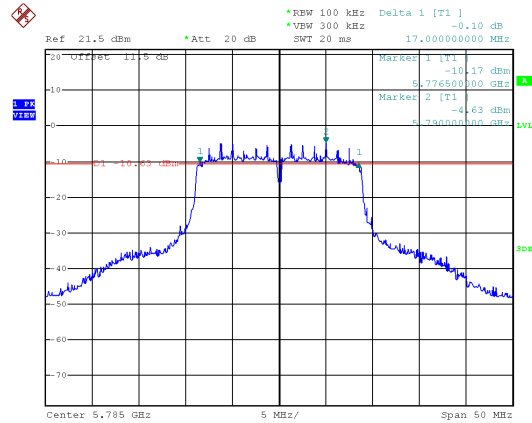
Modulation Standard: 802.11n HT20 (6.5Mbps)
CH149



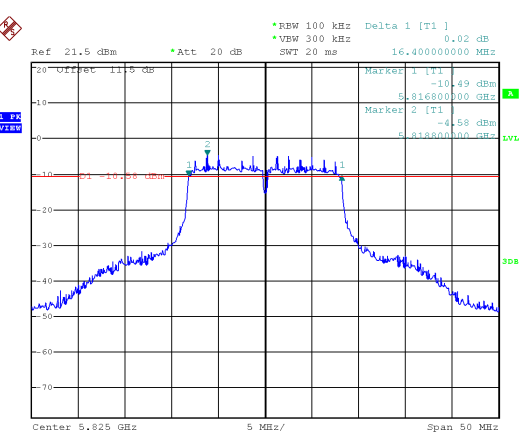
CH157



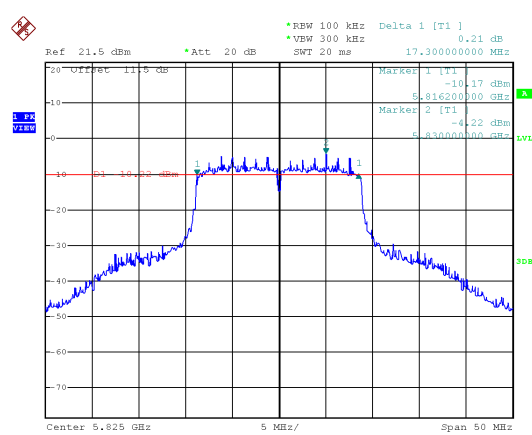
CH157



CH165

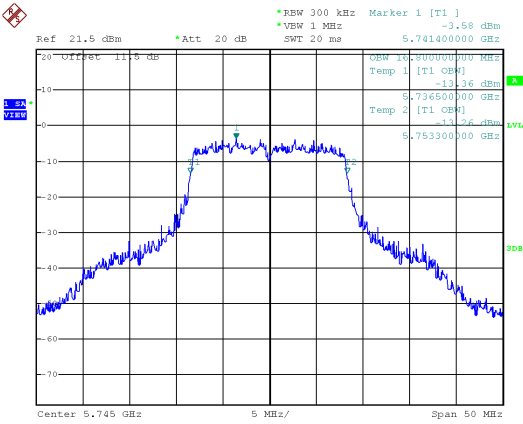


CH165

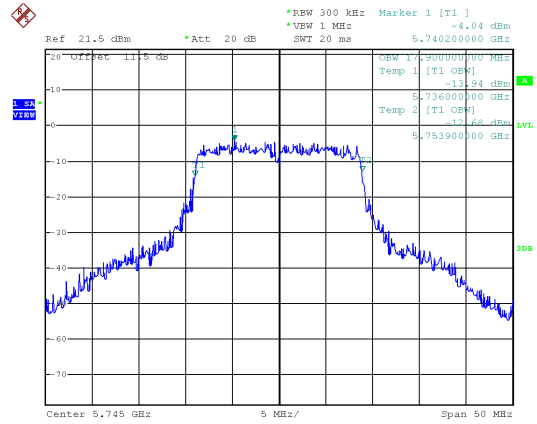




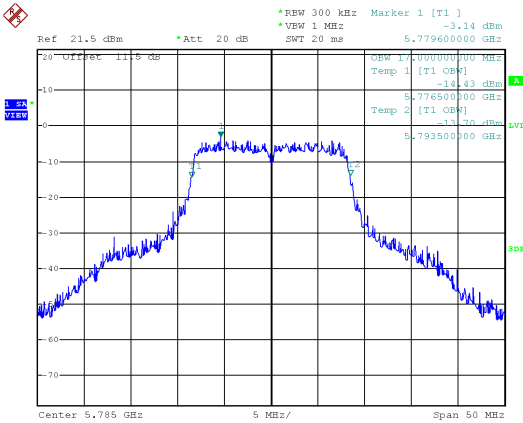
99% Occupied Bandwidth
Modulation Standard: 802.11a (6Mbps)
CH149



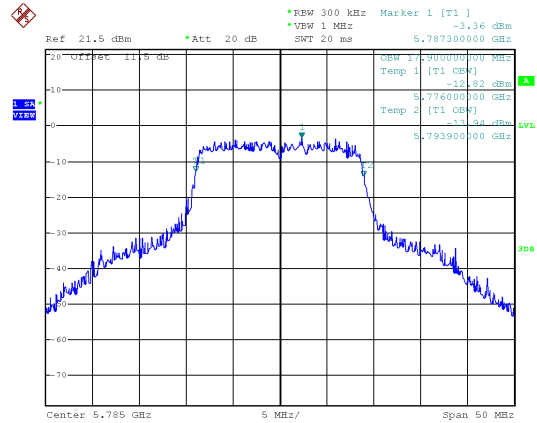
Modulation Standard: 802.11n HT20 (6.5Mbps)
CH149



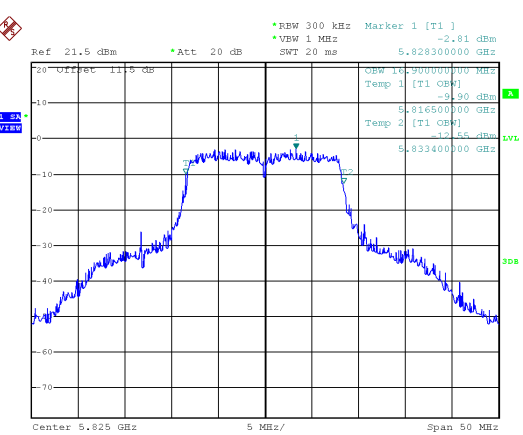
CH157



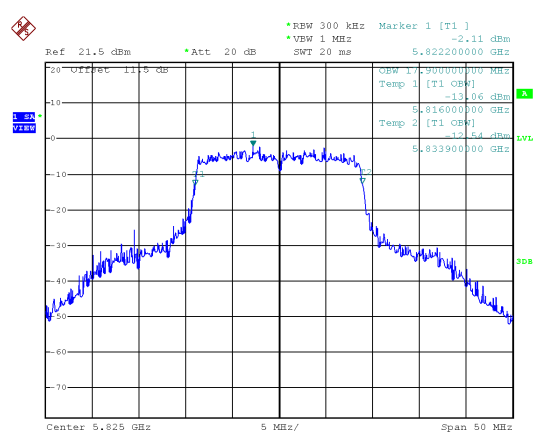
CH157



CH165



CH165





9. 26dB Bandwidth & 99% Occupied Bandwidth

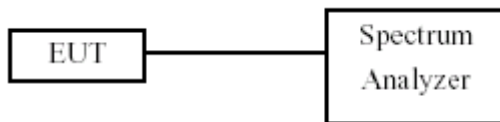
9.1. Test Limit

None; for reporting purposes only.

9.2. Test Procedure

Reference to 789033 D02 General UNII Test Procedures New Rules v01: The transmitter output is connected to a spectrum analyzer with the RBW = approximately 1% of the emission bandwidth, the VBW $\geq 3 \times$ RBW, peak detector and max hold.

9.3. Test Setup Layout





9.4. Test Result and Data (26dB Bandwidth)

Temperature: 22°C

Humidity: 62%

Test Date: Jan. 09, 2019

In the 5.2G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT A
802.11a	36	5180	23.10
802.11a	44	5220	22.90
802.11a	48	5240	22.70
802.11n HT20	36	5180	23.80
802.11n HT20	44	5220	23.40
802.11n HT20	48	5240	23.50

In the 5.3G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT A
802.11a	52	5260	22.50
802.11a	60	5300	22.80
802.11a	64	5320	22.70
802.11n HT20	52	5260	23.70
802.11n HT20	60	5300	23.90
802.11n HT20	64	5320	23.80

In the 5.5G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT A
802.11a	100	5500	22.60
802.11a	116	5580	22.80
802.11a	140	5700	23.30
802.11n HT20	100	5500	24.70
802.11n HT20	116	5580	24.00
802.11n HT20	140	5700	23.90



9.5. Test Result and Data (99% Occupied Bandwidth)

Temperature: 22°C

Humidity: 62%

Test Date: Jan. 09, 2019

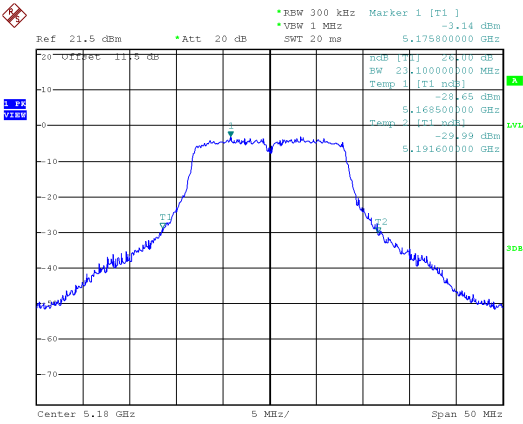
Mode	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
802.11a	36	5180	16.80
802.11a	44	5220	16.80
802.11a	48	5240	16.70
802.11n HT20	36	5180	17.90
802.11n HT20	44	5220	17.80
802.11n HT20	48	5240	17.90

Mode	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
802.11a	52	5260	16.80
802.11a	60	5300	16.80
802.11a	64	5320	16.90
802.11n HT20	52	5260	17.80
802.11n HT20	60	5300	17.90
802.11n HT20	64	5320	17.90

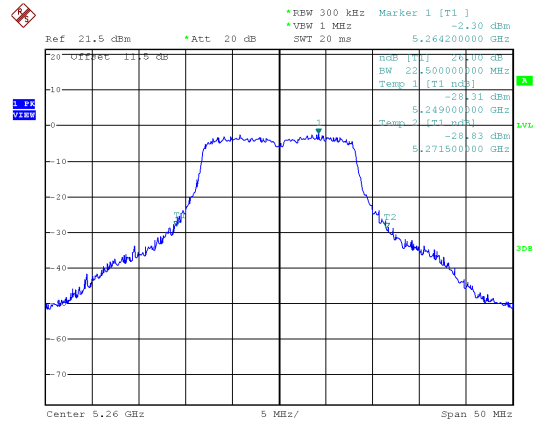
Mode	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
802.11a	100	5500	16.80
802.11a	116	5580	16.70
802.11a	140	5700	16.80
802.11n HT20	100	5500	18.00
802.11n HT20	116	5580	17.90
802.11n HT20	140	5700	17.90



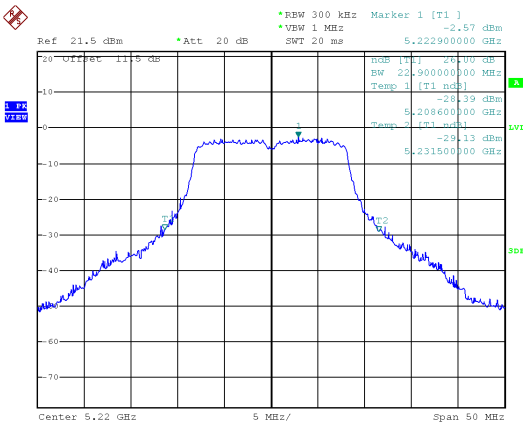
26dB Bandwidth
Modulation Standard: 802.11a (6Mbps)
CH36



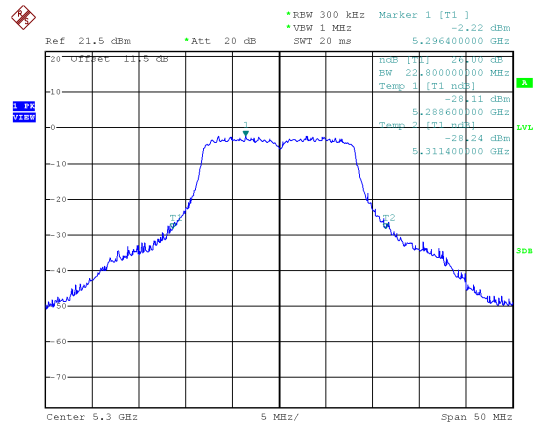
Modulation Standard: 802.11a (6Mbps)
CH52



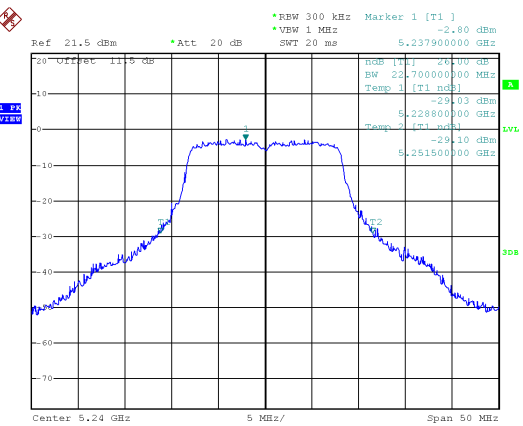
CH44



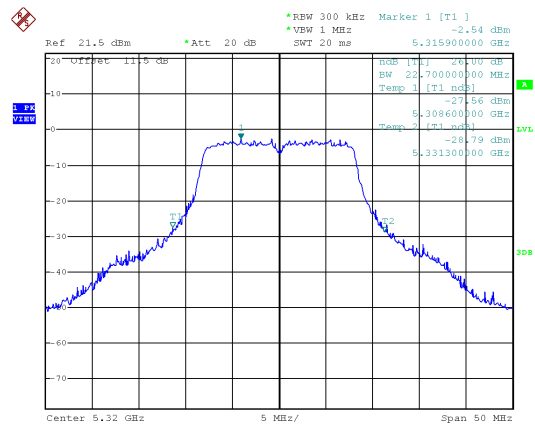
CH60



CH48

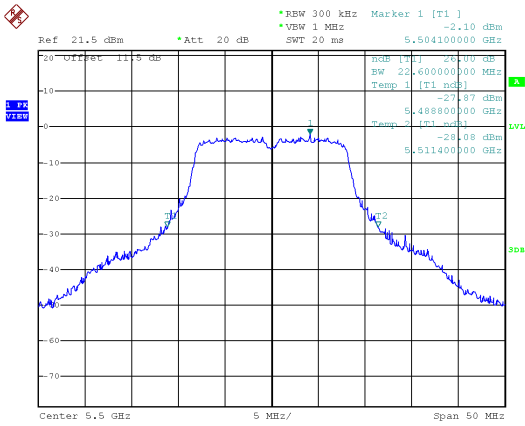


CH64

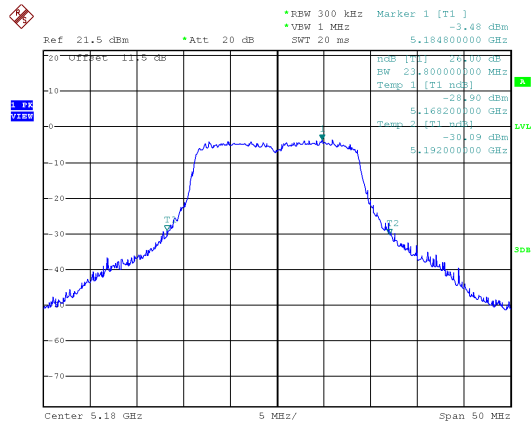




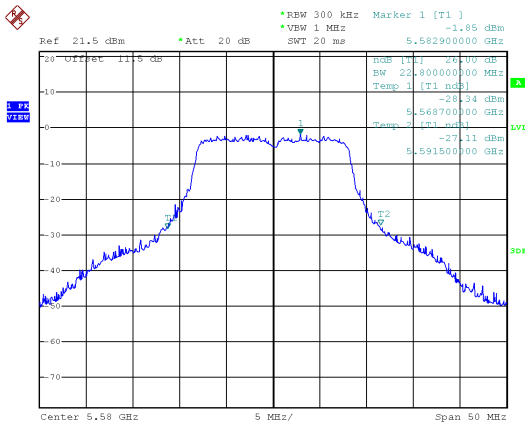
Modulation Standard: 802.11a (6Mbps)
CH100



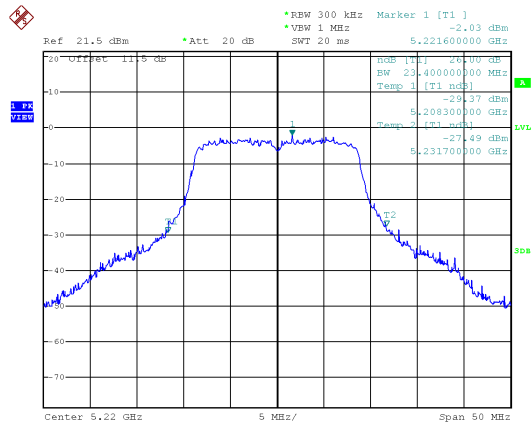
Modulation Standard: 802.11n HT20 (6.5Mbps)
CH36



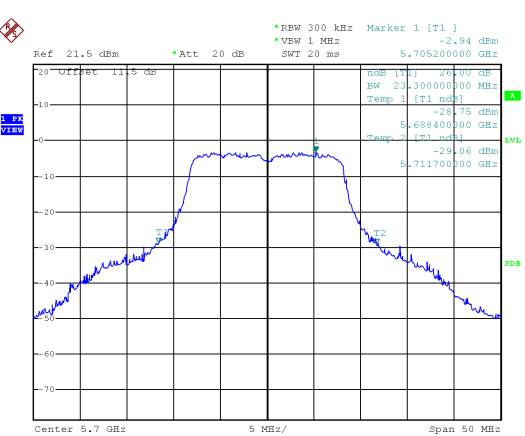
CH116



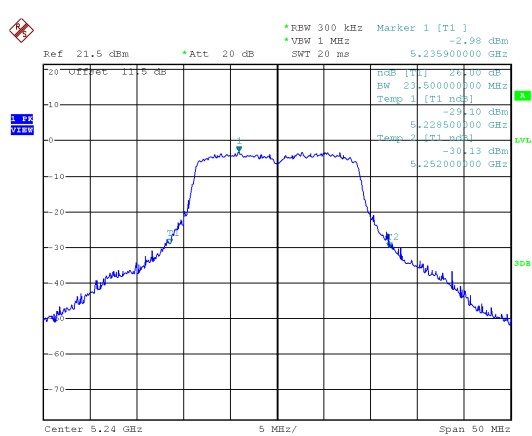
CH44



CH140

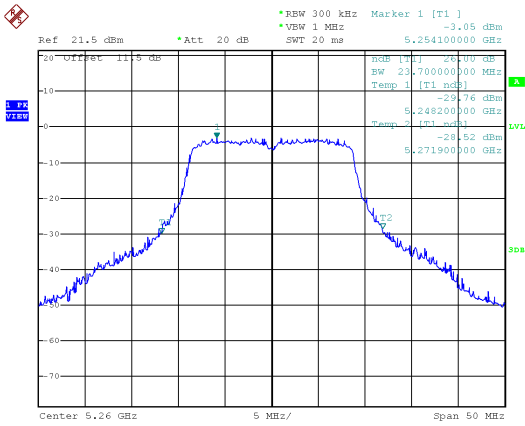


CH48

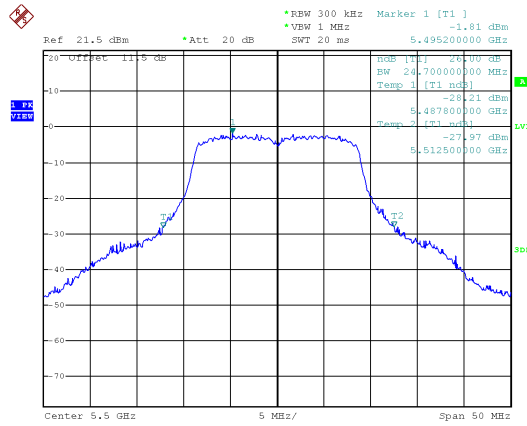




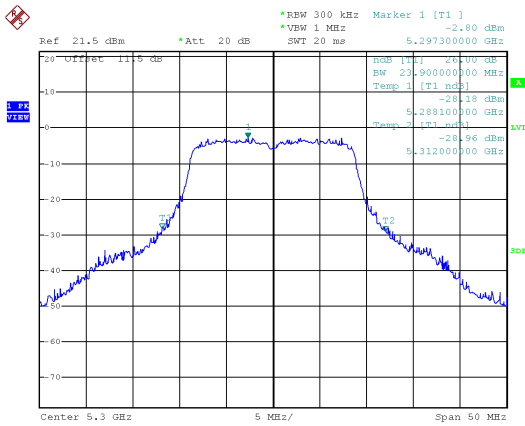
Modulation Standard:802.11n HT20 (6.5Mbps) CH52



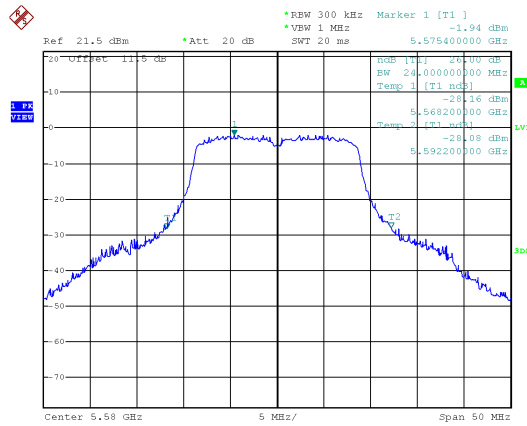
Modulation Standard:802.11n HT20 (6.5Mbps) CH100



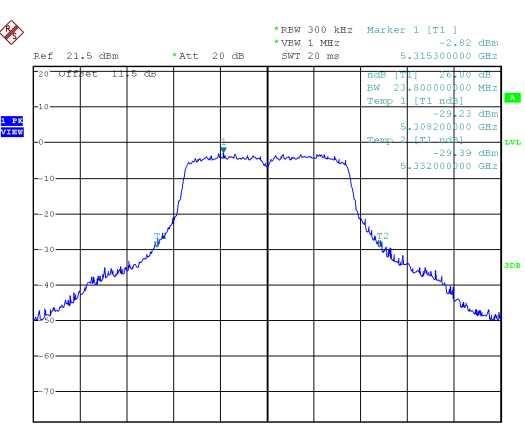
CH60



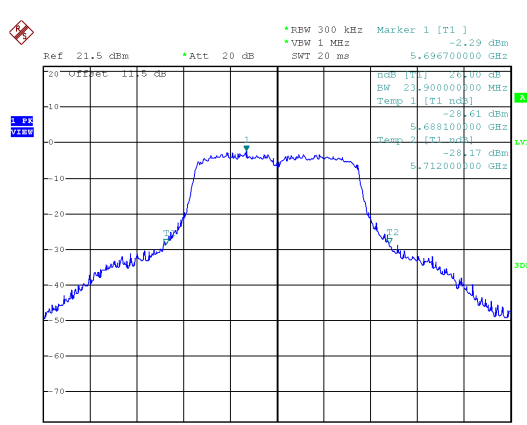
CH116



CH64

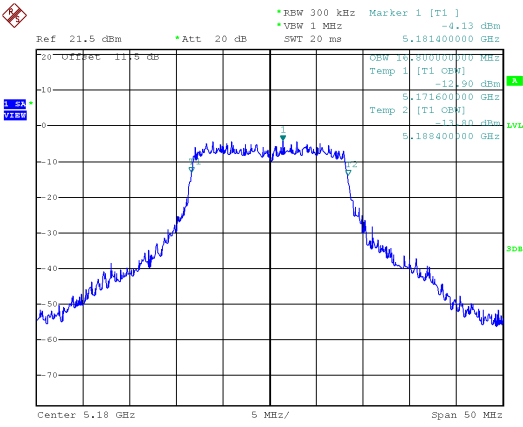


CH140

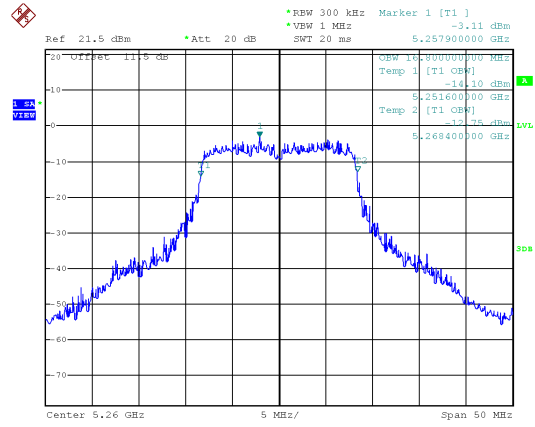




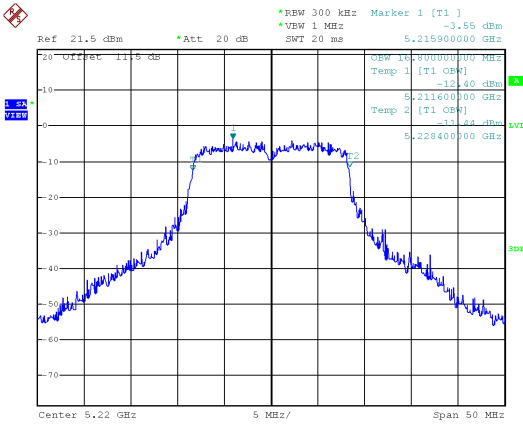
99% Occupied Bandwidth
Modulation Standard: 802.11a (6Mbps)
CH36



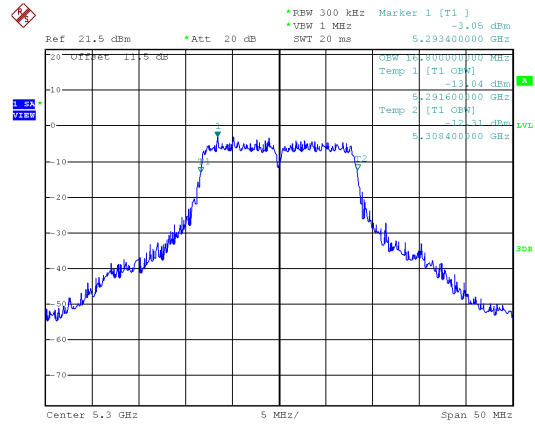
Modulation Standard: 802.11a (6Mbps)
CH52



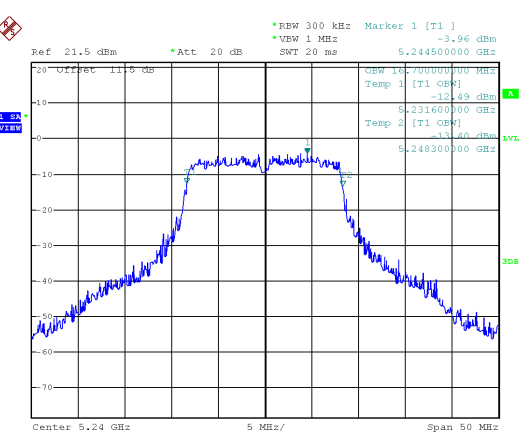
CH44



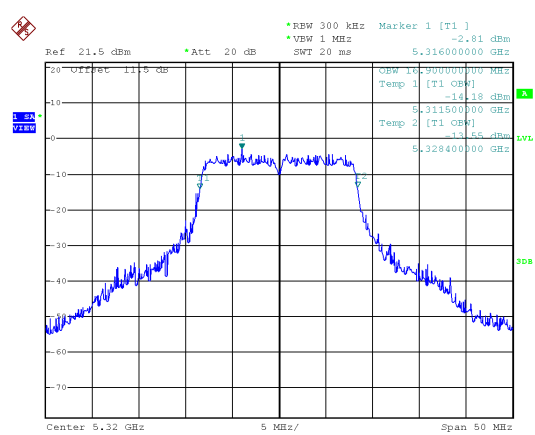
CH60



CH48

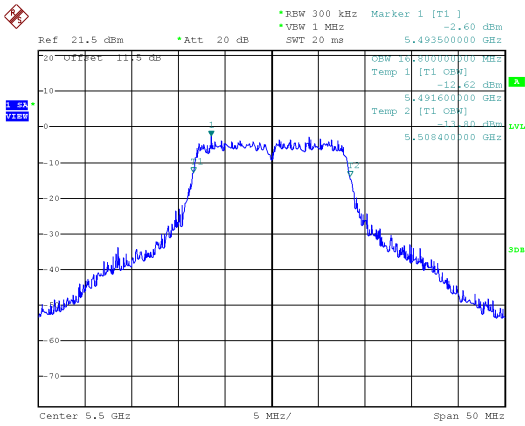


CH64

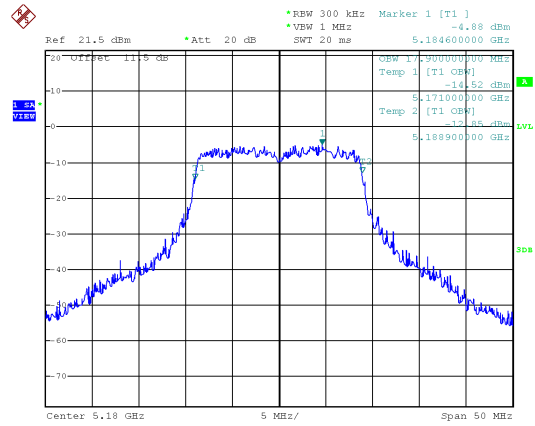




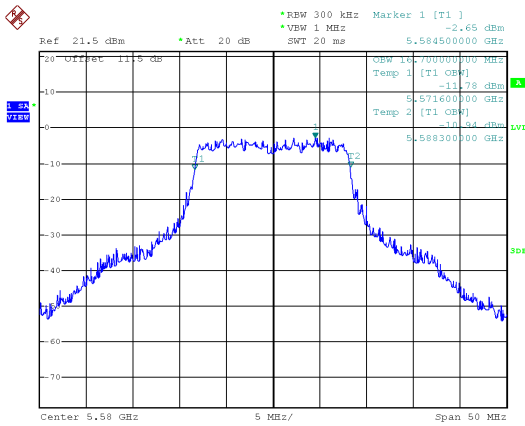
Modulation Standard: 802.11a (6Mbps)
CH100



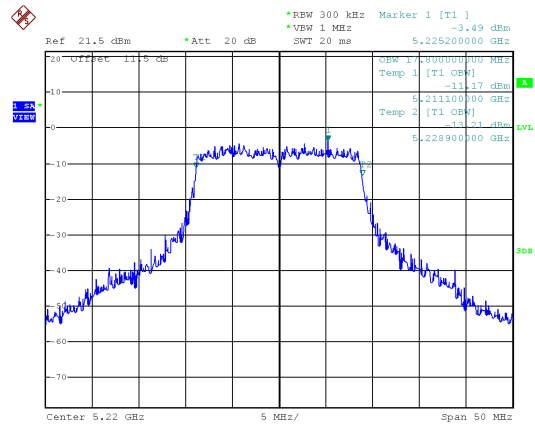
Modulation Standard: 802.11n HT20 (6.5Mbps)
CH36



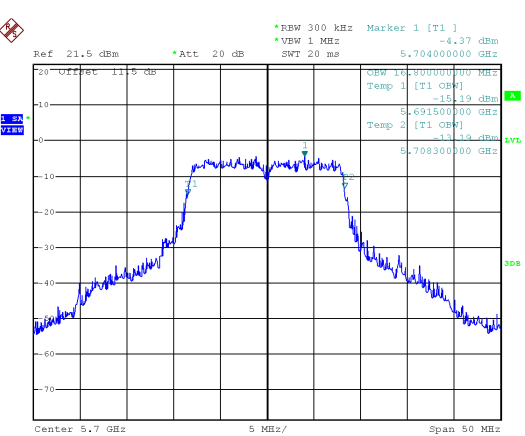
CH116



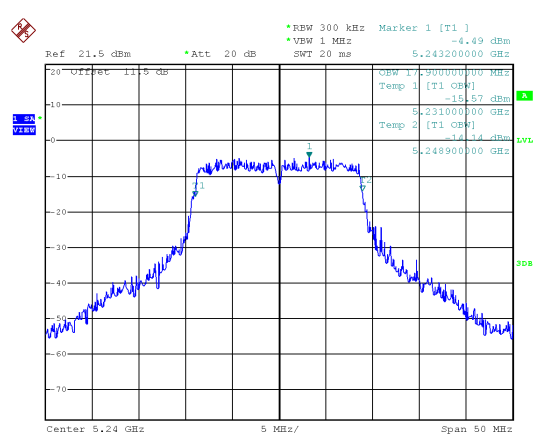
CH44



CH140

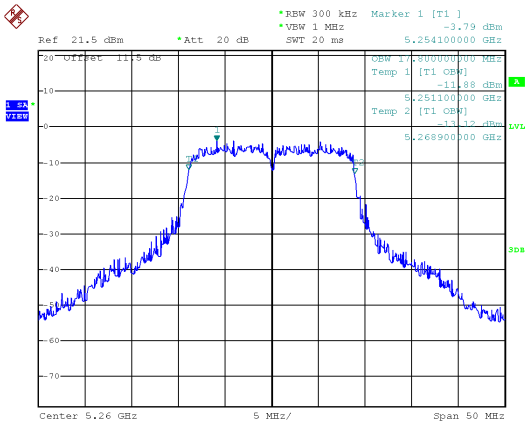


CH48

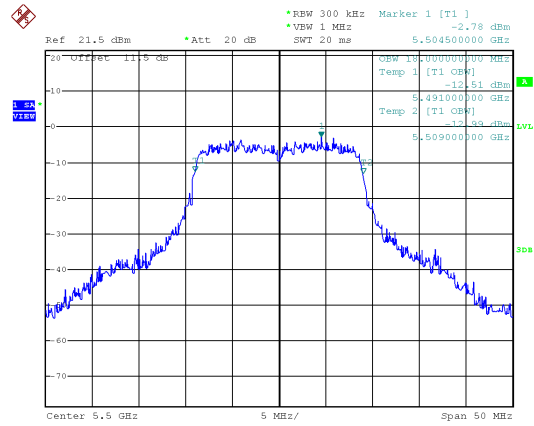




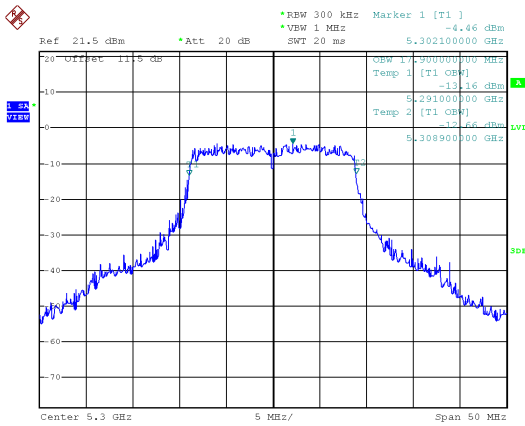
Modulation Standard:802.11n HT20 (6.5Mbps) CH52



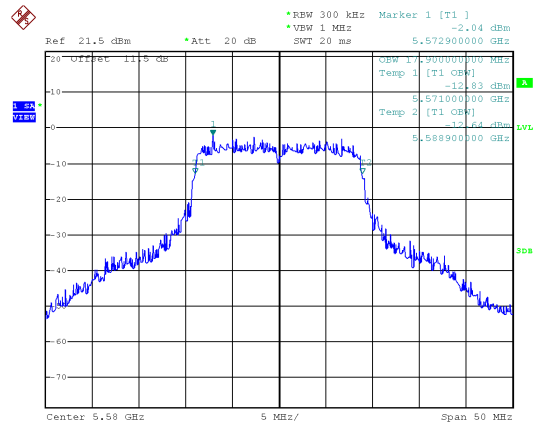
Modulation Standard:802.11n HT20 (6.5Mbps) CH100



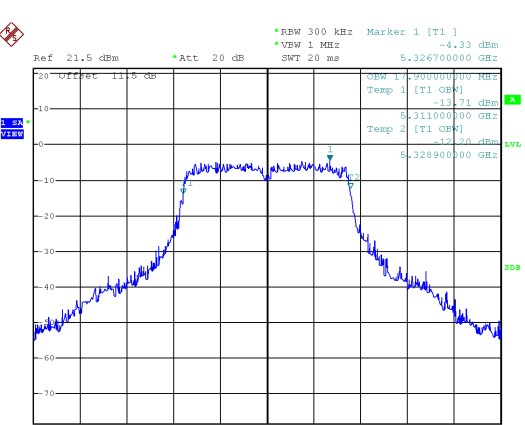
CH60



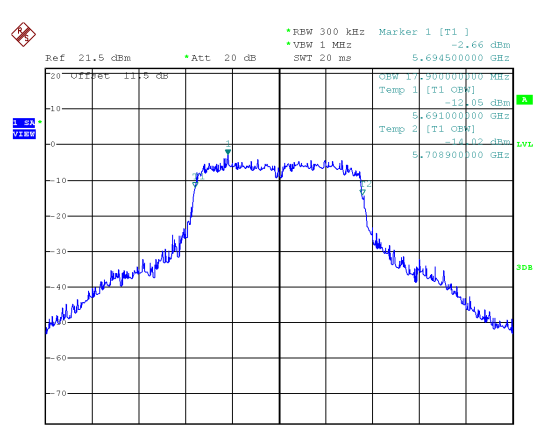
CH116



CH64



CH140





10. Average Power

10.1. Test Limit

Output Power:

Frequency Band	Limit	
<input checked="" type="checkbox"/> 5.15~5.25GHz		
Operating Mode		
<input type="checkbox"/>	Outdoor access point	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm) provided the maximum antenna gain does not exceed 6 dBi. 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 30degrees as measured from the horizon must not exceed 125 mW (21 dBm).
<input type="checkbox"/>	Indoor access point	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm) provided the maximum antenna gain does not exceed 6 dBi. 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.
<input type="checkbox"/>	Fixed point-to-point access points	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). 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.
<input checked="" type="checkbox"/>	client devices	The maximum conducted output power over the frequency band of operation shall not exceed 250 mW (24dBm) provided the maximum antenna gain does not exceed 6 dBi. 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.



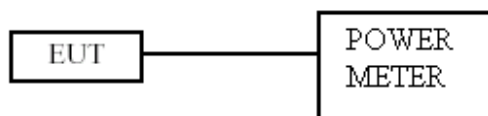
Frequency Band	Limit
<input type="checkbox"/> 5.25-5.35 GHz	The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW (24dBm) or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater 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.
<input type="checkbox"/> 5.470-5.725 GHz	
<input checked="" type="checkbox"/> 5.725~5.85 GHz	

10.2. Test Procedure

The transmitter output is connected to a power meter.

The cable assembly insertion loss of 11.5 dB (including 10 dB pad and 1.5 dB cable) was entered as an offset in the power meter to allow for direct reading of power.

10.3. Test Setup Layout



**10.4. Test Result and Data**

Temperature: 22°C

Humidity: 62%

Test Date: Jan. 04, 2019

Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
				ANT A			
6 Mbps	3	36	5180	4.84	4.84	3.048	24.00
6 Mbps	3	44	5220	4.81	4.81	3.027	24.00
6 Mbps	3.5	48	5240	4.75	4.75	2.985	24.00
MCS 0	3	36	5180	4.61	4.61	2.891	24.00
MCS 0	3.5	44	5220	4.98	4.98	3.148	24.00
MCS 0	3.5	48	5240	4.62	4.62	2.897	24.00
6 Mbps	3.5	52	5260	4.72	4.72	2.965	24.00
6 Mbps	3.5	60	5300	4.77	4.77	2.999	24.00
6 Mbps	3	64	5320	4.83	4.83	3.041	24.00
MCS 0	3.5	52	5260	4.58	4.58	2.871	24.00
MCS 0	3.5	60	5300	4.65	4.65	2.917	24.00
MCS 0	3	64	5320	4.64	4.64	2.911	24.00
6 Mbps	2.5	100	5500	4.77	4.77	2.999	24.00
6 Mbps	3	116	5580	4.60	4.60	2.884	24.00
6 Mbps	5	140	5700	4.77	4.77	2.999	24.00
MCS 0	3	100	5500	4.90	4.90	3.090	24.00
MCS 0	3.5	116	5580	4.69	4.69	2.944	24.00
MCS 0	5.5	140	5700	4.97	4.97	3.141	24.00
6 Mbps	5.5	149	5745	4.89	4.89	3.083	30.00
6 Mbps	6	157	5785	4.65	4.65	2.917	30.00
6 Mbps	5.5	165	5825	4.84	4.84	3.048	30.00
MCS 0	5.5	149	5745	4.67	4.67	2.931	30.00
MCS 0	6.5	157	5785	4.89	4.89	3.083	30.00
MCS 0	6	165	5825	4.98	4.98	3.148	30.00



11. Power Spectral Density

11.1. Test Limit

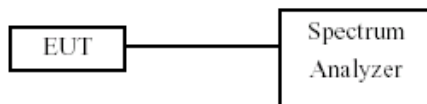
PSD:

Frequency Band		Limit
<input checked="" type="checkbox"/>	5.15~5.25GHz	
	Operating Mode	
<input type="checkbox"/>	Outdoor access point	17 dBm/MHz
<input type="checkbox"/>	Indoor access point	17 dBm/MHz
<input type="checkbox"/>	Fixed point-to-point access points	17 dBm/MHz
<input checked="" type="checkbox"/>	Mobile and portable client devices	11 dBm/MHz
<input type="checkbox"/>	5.725~5.85 GHz	11 dBm/MHz
<input type="checkbox"/>	5.470-5.725 GHz	11 dBm/MHz
<input checked="" type="checkbox"/>	5.725~5.85 GHz	30 dBm/500kHz

11.2. Test Procedure

Reference to KDB789033 D02 General UNII Test Procedures New Rules v02r01

11.3. Test Setup Layout



**11.4. Test Result and Data**

Temperature: 22°C

Humidity: 62%

Test Date: Jan. 04, 2019

In the 5.2G Band

Mode	CH (MHz)	Frequency (MHz)	Meas PSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A				
802.11a	36	5180	-6.64	-6.64	0.00	-6.64	11.00
802.11a	44	5220	-6.15	-6.15	0.00	-6.15	11.00
802.11a	48	5240	-6.02	-6.02	0.00	-6.02	11.00
802.11n HT20	36	5180	-6.96	-6.96	0.00	-6.96	11.00
802.11n HT20	44	5220	-6.05	-6.05	0.00	-6.05	11.00
802.11n HT20	48	5240	-6.32	-6.32	0.00	-6.32	11.00

In the 5.3G Band

Mode	CH (MHz)	Frequency (MHz)	Meas PSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A				
802.11a	52	5260	-5.83	-5.83	0.00	-5.83	11.00
802.11a	60	5300	-5.70	-5.70	0.00	-5.70	11.00
802.11a	64	5320	-5.97	-5.97	0.00	-5.97	11.00
802.11n HT20	52	5260	-6.15	-6.15	0.00	-6.15	11.00
802.11n HT20	60	5300	-5.95	-5.95	0.00	-5.95	11.00
802.11n HT20	64	5320	-6.24	-6.24	0.00	-6.24	11.00

In the 5.5G Band

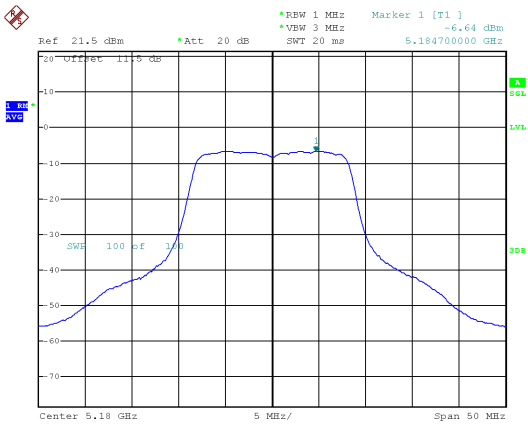
Mode	CH (MHz)	Frequency (MHz)	Meas PSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A				
802.11a	100	5500	-6.07	-6.07	0.00	-6.07	11.00
802.11a	116	5580	-5.39	-5.39	0.00	-5.39	11.00
802.11a	140	5700	-6.21	-6.21	0.00	-6.21	11.00
802.11n HT20	100	5500	-5.88	-5.88	0.00	-5.88	11.00
802.11n HT20	116	5580	-5.18	-5.18	0.00	-5.18	11.00
802.11n HT20	140	5700	-6.15	-6.15	0.00	-6.15	11.00

In the 5.8G Band

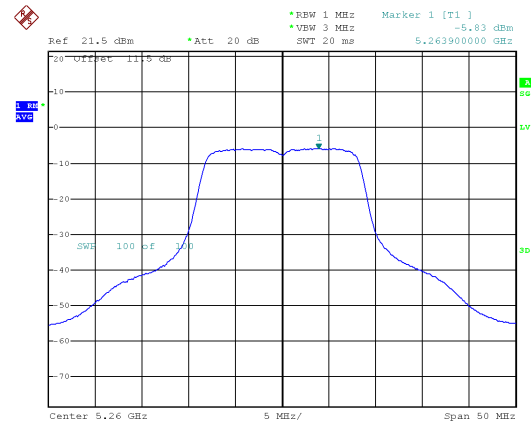
Mode	CH (MHz)	Frequency (MHz)	Meas PSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	10log(500K Hz/RBW) CF (dB)	Total Corr'd PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)
			ANT A					
802.11a	149	5745	-6.10	-6.10	0.00	-3.01	-9.11	30.00
802.11a	157	5785	-5.73	-5.73	0.00	-3.01	-8.74	30.00
802.11a	165	5825	-4.70	-4.70	0.00	-3.01	-7.71	30.00
802.11n HT20	149	5745	-6.33	-6.33	0.00	-3.01	-9.34	30.00
802.11n HT20	157	5785	-5.48	-5.48	0.00	-3.01	-8.49	30.00
802.11n HT20	165	5825	-4.76	-4.76	0.00	-3.01	-7.77	30.00



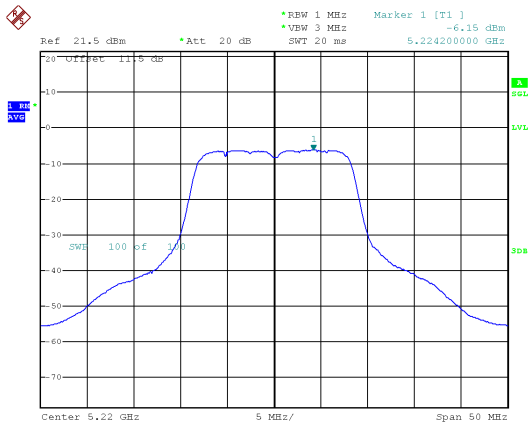
Modulation Standard: 802.11a (6Mbps)
CH36



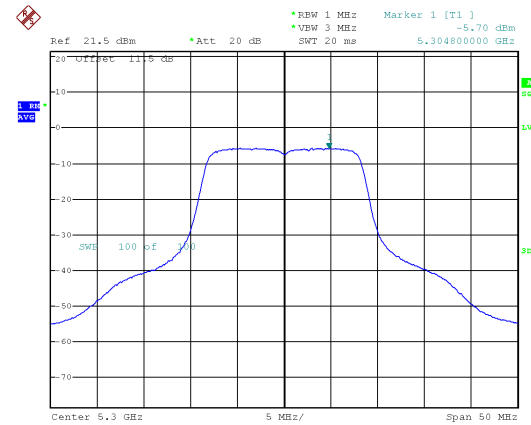
Modulation Standard: 802.11a (6Mbps)
CH52



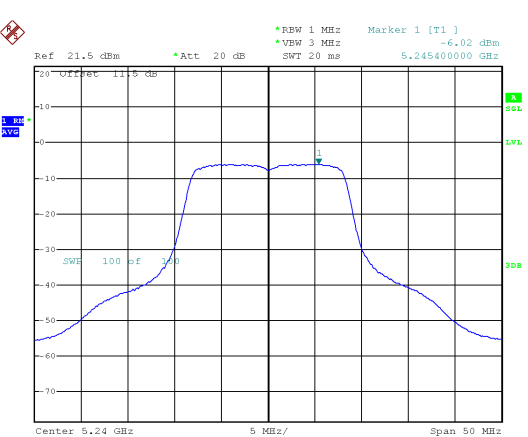
CH44



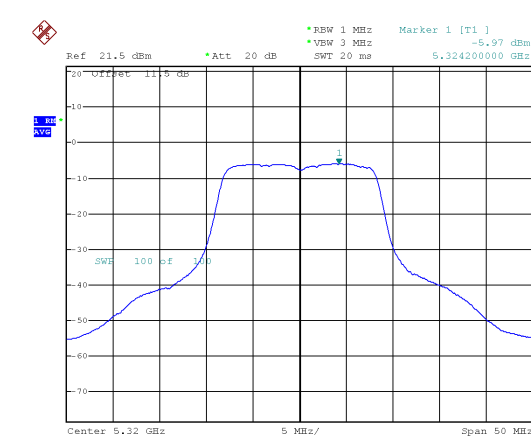
CH60



CH48

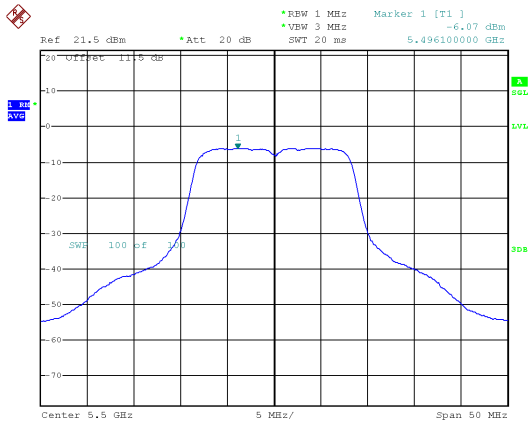


CH64

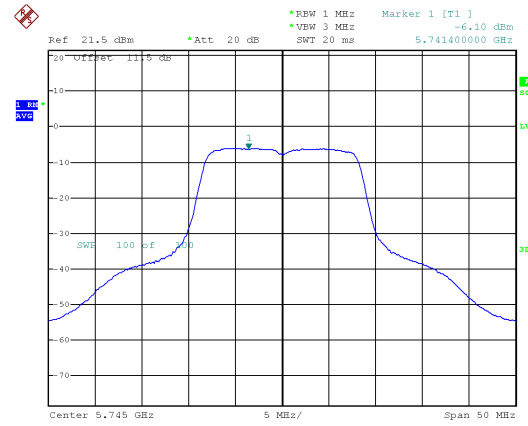




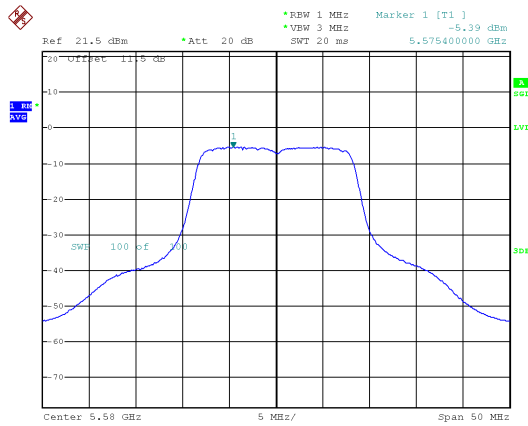
Modulation Standard: 802.11a (6Mbps)
CH100



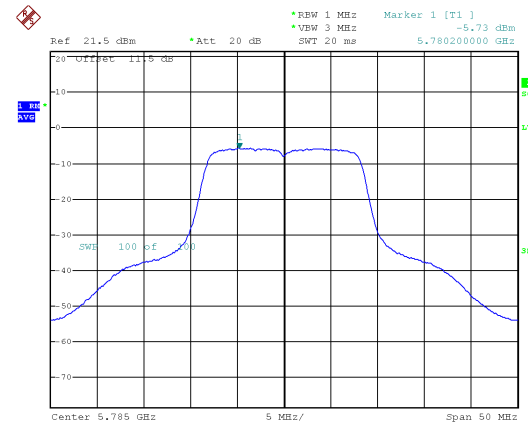
Modulation Standard: 802.11a (6Mbps)
CH149



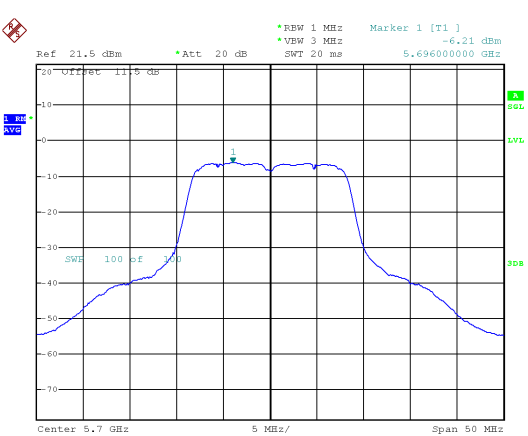
CH116



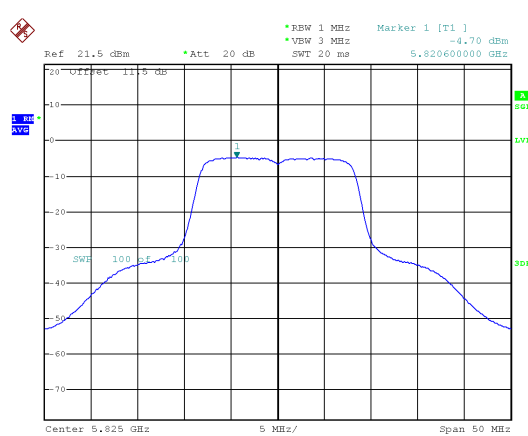
CH157



CH140

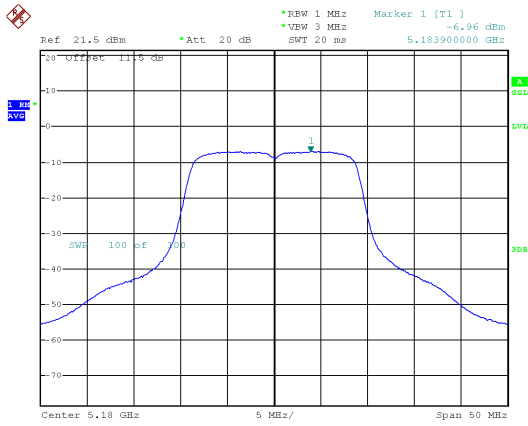


CH165

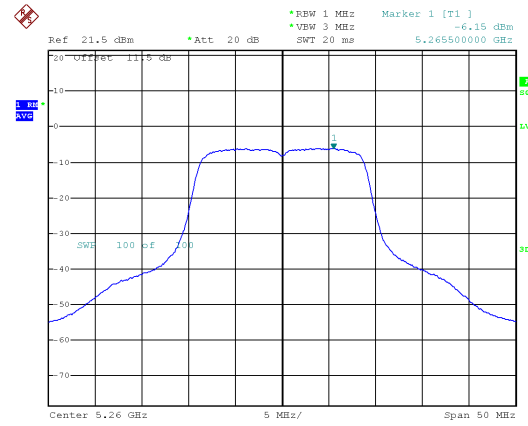




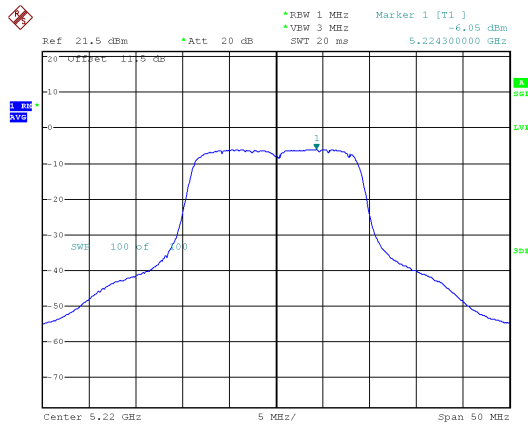
Modulation Standard: 802.11n HT20 (6Mbps)
CH36



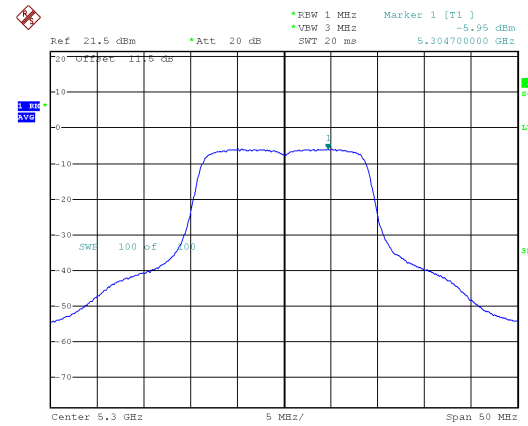
Modulation Standard: 802.11n HT20 (6Mbps)
CH52



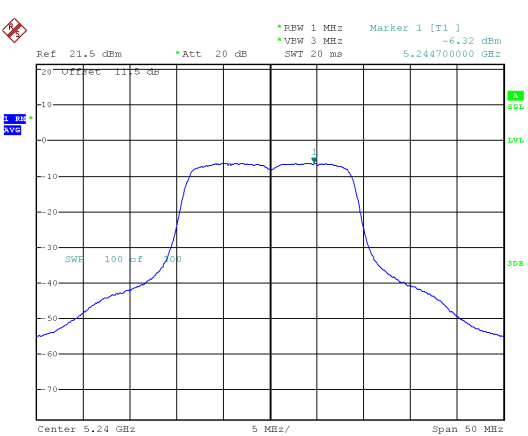
CH44



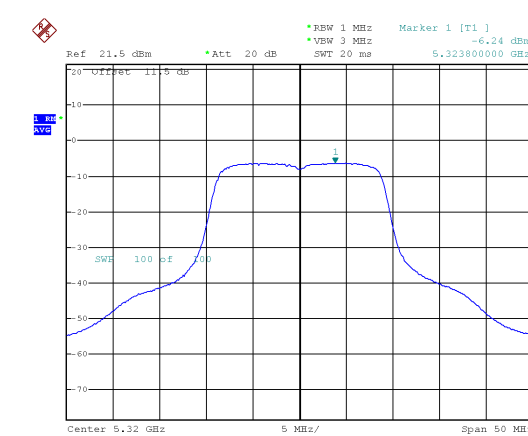
CH60



CH48

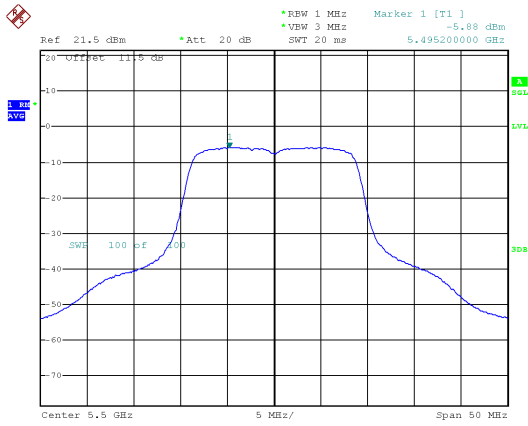


CH64

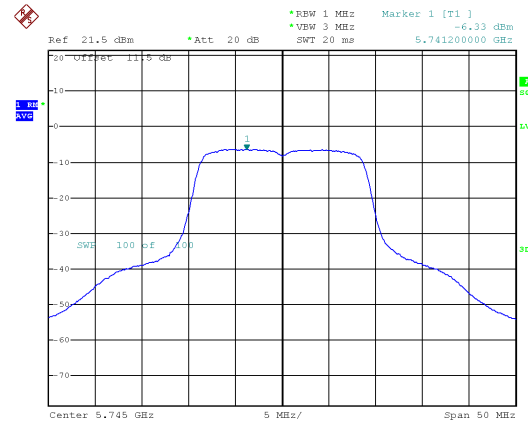




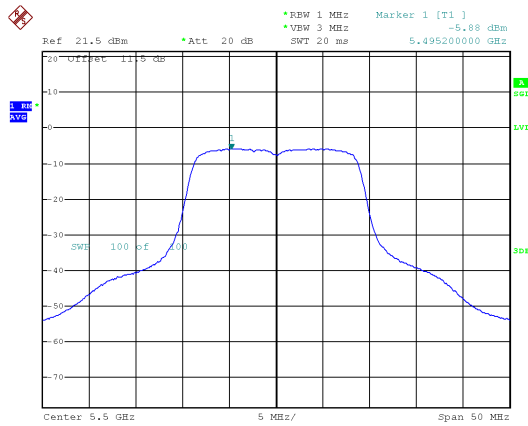
Modulation Standard: 802.11n HT20 (6Mbps)
CH100



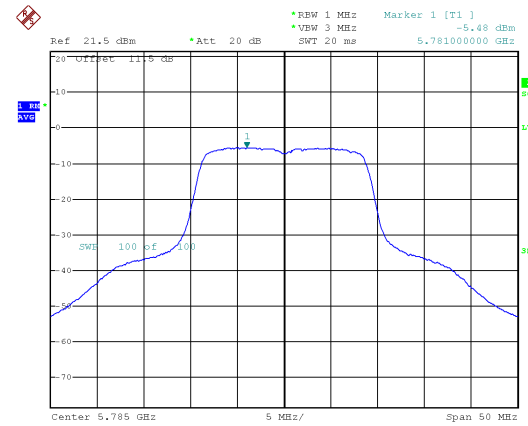
Modulation Standard: 802.11n HT20 (6Mbps)
CH149



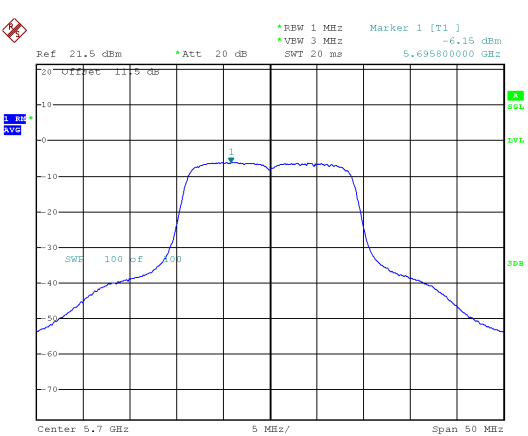
CH116



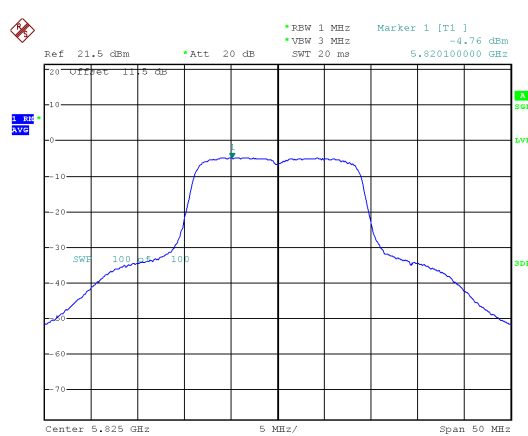
CH157



CH140



CH165



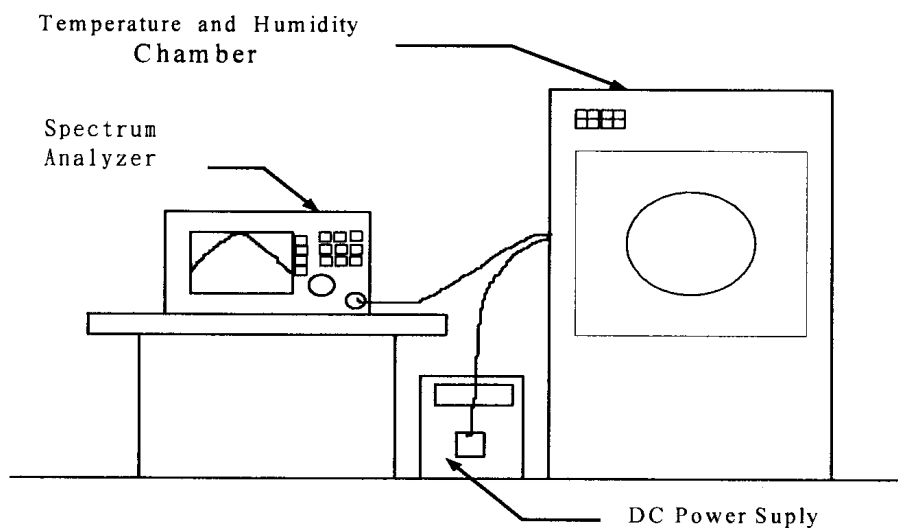


12. Frequency Stability

12.1. Test Procedure

1. The EUT was placed inside the Temperature and Humidity chamber.
2. The transmitter output was connected to spectrum analyzer.
3. Turn the EUT on and couple its output to a spectrum analyzer.
4. Turn the EUT off and set the chamber to the highest temperature specified.
5. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.
6. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
7. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

12.2. Test Setup Layout





12.3. Test Result and Data

Temperature: 22°C

Humidity: 62%

Test Date: Jan. 04, 2019

Operating frequency: 5825 MHz							
Temp(°C)	Power supply(V)	2 minute		5 minute		10 minute	
		(MHz)	(%)	(MHz)	(%)	(MHz)	(%)
40	102	5824.9972	-0.000047	5824.9974	-0.000045	5824.9976	-0.000417
	120	5824.9992	-0.000014	5824.9992	-0.000014	5824.9993	-0.000127
	138	5825.0006	0.000010	5825.0008	0.000014	5825.0010	0.000164
30	102	5824.9953	-0.000080	5824.9953	-0.000081	5824.9953	-0.000809
	120	5824.9950	-0.000086	5824.9951	-0.000084	5824.9950	-0.000857
	138	5824.9937	-0.000109	5824.9936	-0.000109	5824.9934	-0.001138
20	102	5824.9998	-0.000003	5825.0000	0.000001	5824.9996	-0.000073
	120	5824.9975	-0.000043	5824.9979	-0.000036	5824.9980	-0.000344
	138	5824.9985	-0.000026	5824.9986	-0.000024	5824.9984	-0.000278
10	102	5825.0003	0.000005	5825.0007	0.000012	5825.0004	0.000063
	120	5824.9975	-0.000042	5824.9976	-0.000041	5824.9981	-0.000327
	138	5824.9986	-0.000024	5824.9989	-0.000019	5824.9987	-0.000230
0	102	5825.0005	0.000009	5825.0003	0.000006	5825.0004	0.000073
	120	5824.9950	-0.000085	5824.9952	-0.000083	5824.9955	-0.000775
	138	5824.9954	-0.000079	5824.9957	-0.000074	5824.9953	-0.000799

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 users manual.