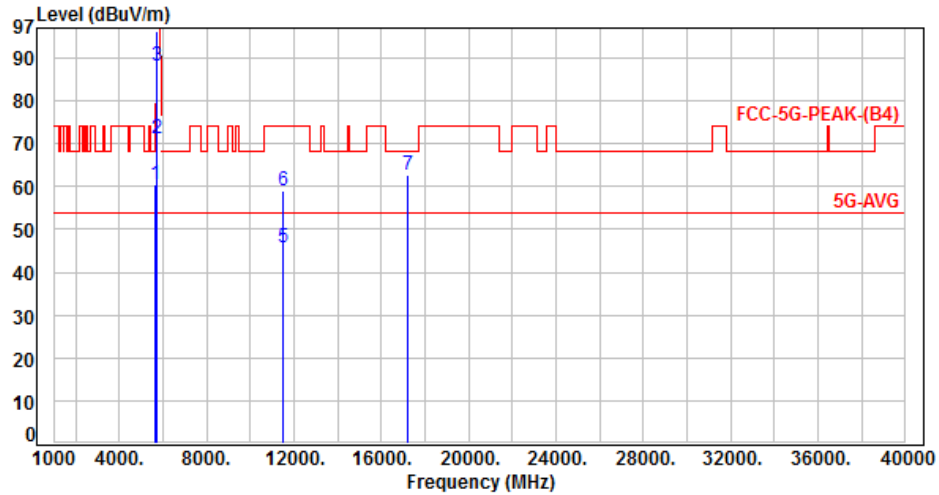




Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, Band 4, CH149		:

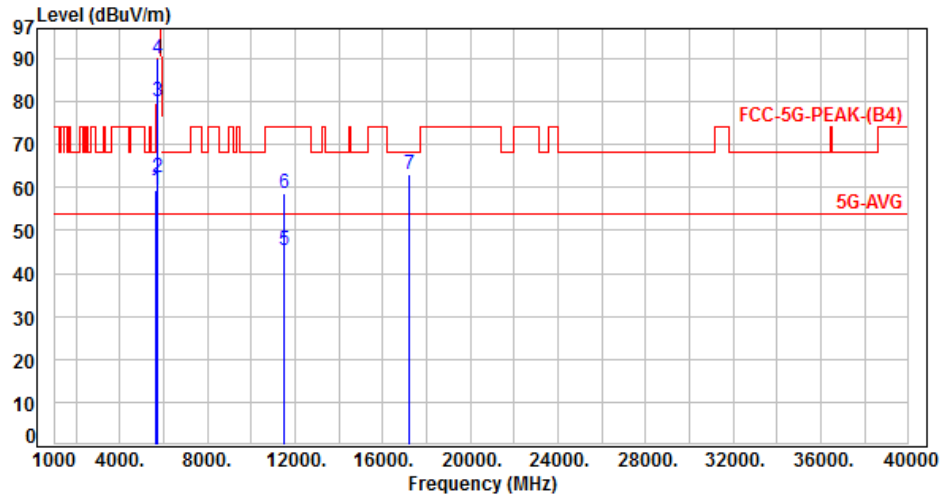


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.13	54.18	60.31	68.20	-7.89	Peak	229	352	P
2	5700.00	6.17	64.96	71.13	105.20	-34.07	Peak	229	352	P
3	5720.00	6.18	82.09	88.27	110.80	-22.53	Peak	229	352	P
4	5725.00	6.19	90.00	96.19	122.20	-26.01	Peak	229	352	P
5	11490.00	14.47	31.38	45.85	54.00	-8.15	Average	100	354	P
6	11490.00	14.47	44.73	59.20	74.00	-14.80	Peak	100	354	P
7	17235.00	20.07	42.51	62.58	68.20	-5.62	Peak	100	151	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 4, CH149		:

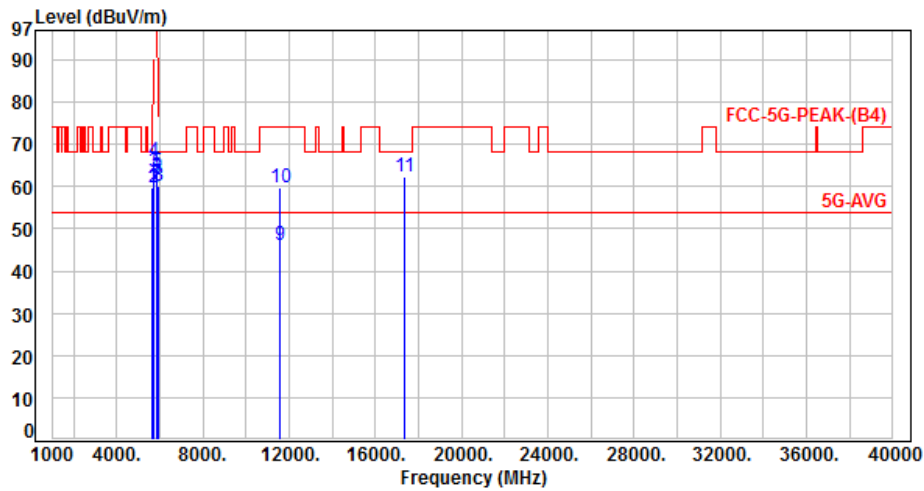


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.13	53.25	59.38	68.20	-8.82	Peak	100	246	P
2	5700.00	6.17	56.23	62.40	105.20	-42.80	Peak	100	246	P
3	5720.00	6.18	73.94	80.12	110.80	-30.68	Peak	100	246	P
4	5725.00	6.19	83.63	89.82	122.20	-32.38	Peak	100	246	P
5	11490.00	14.47	30.83	45.30	54.00	-8.70	Average	116	332	P
6	11490.00	14.47	44.07	58.54	74.00	-15.46	Peak	116	332	P
7	17235.00	20.07	42.82	62.89	68.20	-5.31	Peak	100	83	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, Band 4, CH157		:

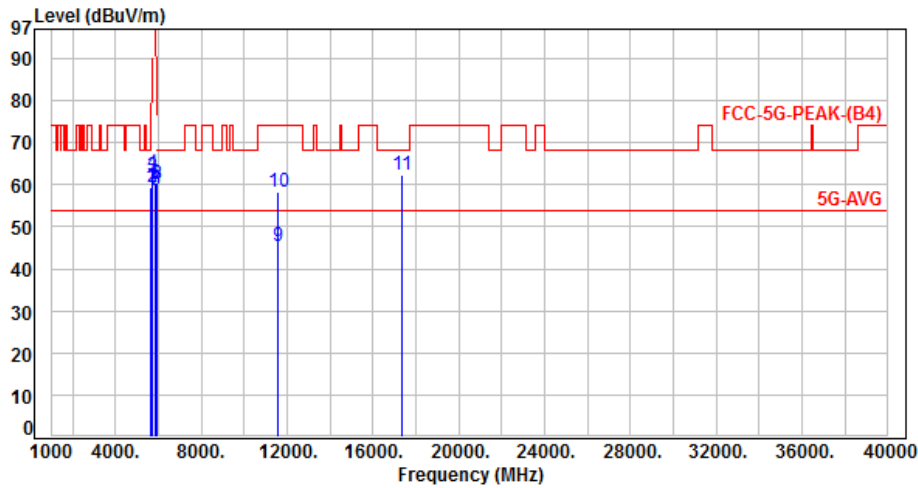


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.13	53.61	59.74	68.20	-8.46	Peak	226	335	P
2	5700.00	6.17	53.40	59.57	105.20	-45.63	Peak	226	335	P
3	5720.00	6.18	57.16	63.34	110.80	-47.46	Peak	226	335	P
4	5725.00	6.19	59.69	65.88	122.20	-56.32	Peak	226	335	P
5	5850.00	6.28	57.15	63.43	122.20	-58.77	Peak	226	335	P
6	5855.00	6.30	55.64	61.94	110.80	-48.86	Peak	226	335	P
7	5875.00	6.39	54.63	61.02	105.20	-44.18	Peak	226	335	P
8	5925.00	6.57	53.68	60.25	68.20	-7.95	Peak	226	335	P
9	11570.00	14.70	31.47	46.17	54.00	-7.83	Average	100	352	P
10	11570.00	14.70	44.91	59.61	74.00	-14.39	Peak	100	352	P
11	17355.00	20.71	41.58	62.29	68.20	-5.91	Peak	100	168	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 4, CH157		:

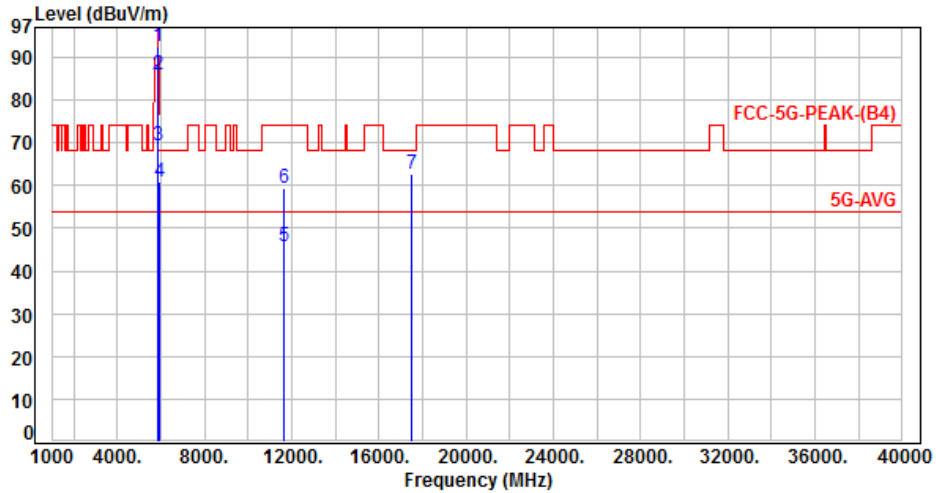


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.13	53.15	59.28	68.20	-8.92	Peak	100	249	P
2	5700.00	6.17	53.26	59.43	105.20	-45.77	Peak	100	249	P
3	5720.00	6.18	55.95	62.13	110.80	-48.67	Peak	100	249	P
4	5725.00	6.19	56.38	62.57	122.20	-59.63	Peak	100	249	P
5	5850.00	6.28	53.78	60.06	122.20	-62.14	Peak	100	249	P
6	5855.00	6.30	52.20	58.50	110.80	-52.30	Peak	100	249	P
7	5875.00	6.39	52.23	58.62	105.20	-46.58	Peak	100	249	P
8	5925.00	6.57	53.49	60.06	68.20	-8.14	Peak	100	249	P
9	11570.00	14.70	30.52	45.22	54.00	-8.78	Average	122	329	P
10	11570.00	14.70	43.49	58.19	74.00	-15.81	Peak	122	329	P
11	17355.00	20.71	41.60	62.31	68.20	-5.89	Peak	100	77	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, Band 4, CH165		:

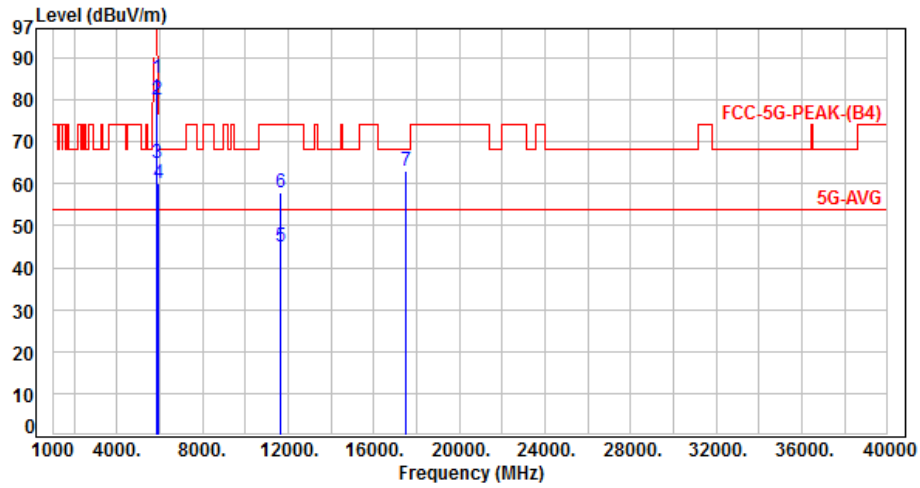


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5850.00	6.28	86.18	92.46	122.20	-29.74	Peak	238	329	P
2	5855.00	6.30	79.76	86.06	110.80	-24.74	Peak	238	329	P
3	5875.00	6.39	62.99	69.38	105.20	-35.82	Peak	238	329	P
4	5925.00	6.57	54.14	60.71	68.20	-7.49	Peak	238	329	P
5	11650.00	14.88	30.72	45.60	54.00	-8.40	Average	100	358	P
6	11650.00	14.88	44.61	59.49	74.00	-14.51	Peak	100	358	P
7	17475.00	21.63	41.23	62.86	68.20	-5.34	Peak	100	167	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 4, CH165		:

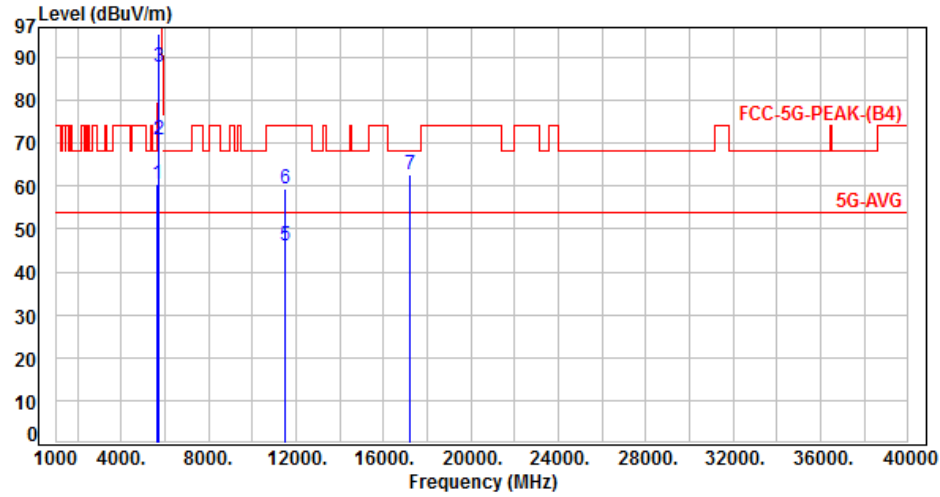


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5850.00	6.28	78.93	85.21	122.20	-36.99	Peak	118	257	P
2	5855.00	6.30	73.86	80.16	110.80	-30.64	Peak	118	257	P
3	5875.00	6.39	58.49	64.88	105.20	-40.32	Peak	118	257	P
4	5925.00	6.57	53.68	60.25	68.20	-7.95	Peak	118	257	P
5	11650.00	14.88	30.18	45.06	54.00	-8.94	Average	106	332	P
6	11650.00	14.88	43.15	58.03	74.00	-15.97	Peak	106	332	P
7	17475.00	21.63	41.31	62.94	68.20	-5.26	Peak	100	72	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, Band 4, CH149		:

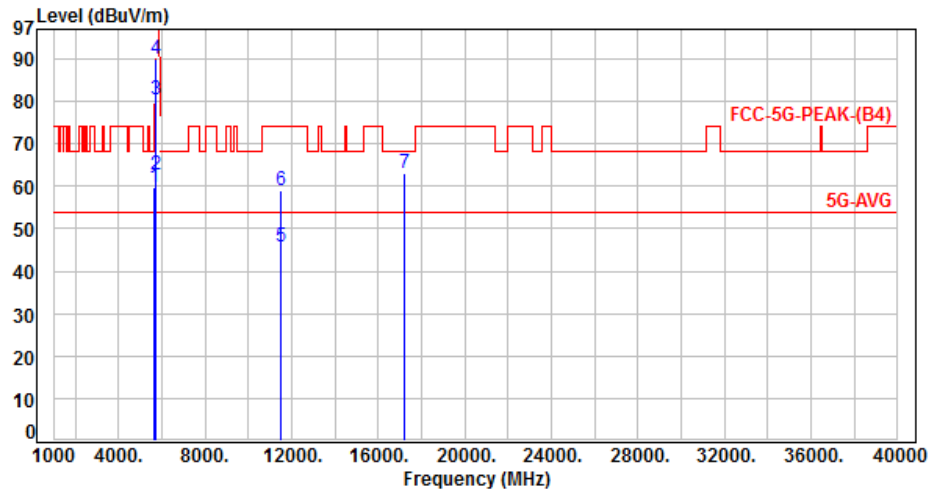


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.13	54.34	60.47	68.20	-7.73	Peak	225	349	P
2	5700.00	6.17	64.68	70.85	105.20	-34.35	Peak	225	349	P
3	5720.00	6.18	81.56	87.74	110.80	-23.06	Peak	225	349	P
4	5725.00	6.19	89.35	95.54	122.20	-26.66	Peak	225	349	P
5	11490.00	14.47	31.67	46.14	54.00	-7.86	Average	100	352	P
6	11490.00	14.47	44.98	59.45	74.00	-14.55	Peak	100	352	P
7	17235.00	20.07	42.67	62.74	68.20	-5.46	Peak	100	155	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, Band 4, CH149		:



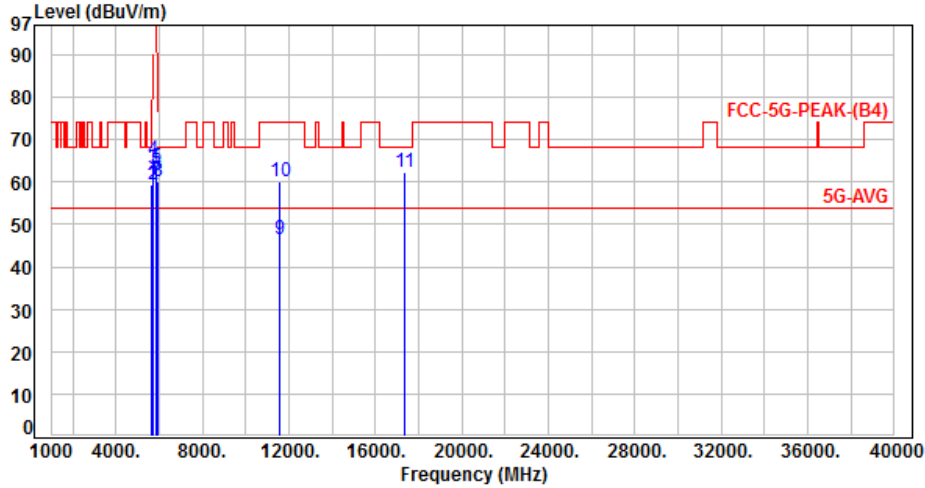
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.13	53.49	59.62	68.20	-8.58	Peak	100	248	P
2	5700.00	6.17	56.51	62.68	105.20	-42.52	Peak	100	248	P
3	5720.00	6.18	74.25	80.43	110.80	-30.37	Peak	100	248	P
4	5725.00	6.19	83.86	90.05	122.20	-32.15	Peak	100	248	P
5	11490.00	14.47	31.27	45.74	54.00	-8.26	Average	118	336	P
6	11490.00	14.47	44.52	58.99	74.00	-15.01	Peak	118	336	P
7	17235.00	20.07	42.97	63.04	68.20	-5.16	Peak	100	86	P

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





Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, Band 4, CH157		:

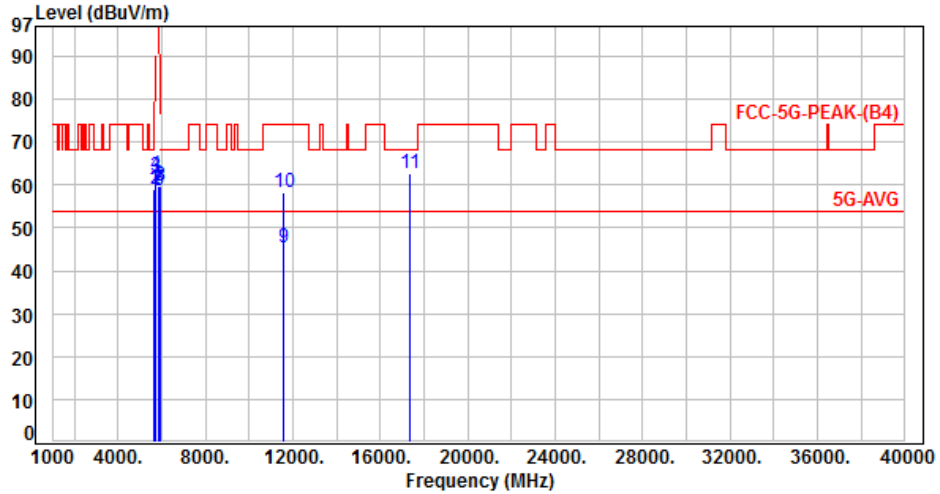


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.13	53.38	59.51	68.20	-8.69	Peak	223	334	P
2	5700.00	6.17	53.15	59.32	105.20	-45.88	Peak	223	334	P
3	5720.00	6.18	56.89	63.07	110.80	-47.73	Peak	223	334	P
4	5725.00	6.19	59.15	65.34	122.20	-56.86	Peak	223	334	P
5	5850.00	6.28	56.98	63.26	122.20	-58.94	Peak	223	334	P
6	5855.00	6.30	55.35	61.65	110.80	-49.15	Peak	223	334	P
7	5875.00	6.39	54.25	60.64	105.20	-44.56	Peak	223	334	P
8	5925.00	6.57	53.40	59.97	68.20	-8.23	Peak	223	334	P
9	11570.00	14.70	31.61	46.31	54.00	-7.69	Average	100	356	P
10	11570.00	14.70	45.45	60.15	74.00	-13.85	Peak	100	356	P
11	17355.00	20.71	41.68	62.39	68.20	-5.81	Peak	100	169	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, Band 4, CH157		:

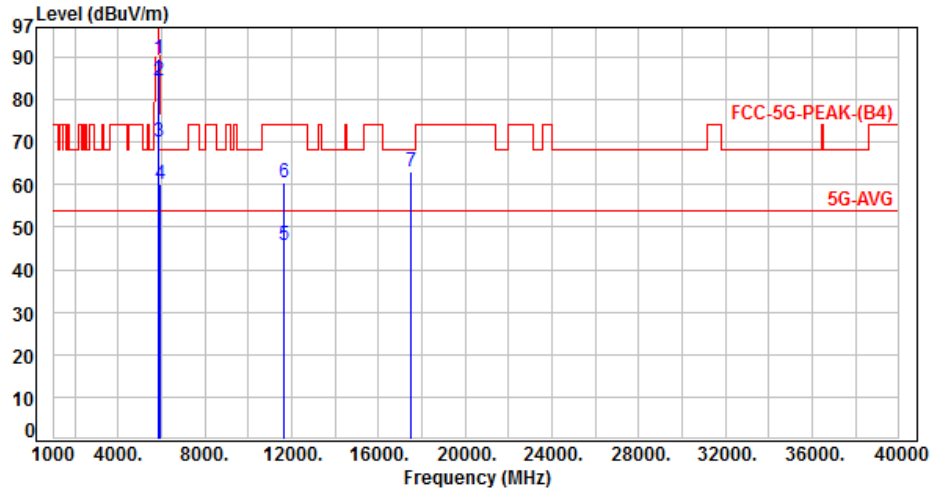


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.13	52.89	59.02	68.20	-9.18	Peak	100	242	P
2	5700.00	6.17	53.01	59.18	105.20	-46.02	Peak	100	242	P
3	5720.00	6.18	55.63	61.81	110.80	-48.99	Peak	100	242	P
4	5725.00	6.19	56.05	62.24	122.20	-59.96	Peak	100	242	P
5	5850.00	6.28	53.44	59.72	122.20	-62.48	Peak	100	242	P
6	5855.00	6.30	52.38	58.68	110.80	-52.12	Peak	100	242	P
7	5875.00	6.39	52.51	58.90	105.20	-46.30	Peak	100	242	P
8	5925.00	6.57	53.07	59.64	68.20	-8.56	Peak	100	242	P
9	11570.00	14.70	30.78	45.48	54.00	-8.52	Average	125	331	P
10	11570.00	14.70	43.72	58.42	74.00	-15.58	Peak	125	331	P
11	17355.00	20.71	41.89	62.60	68.20	-5.60	Peak	100	81	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, Band 4, CH165		:

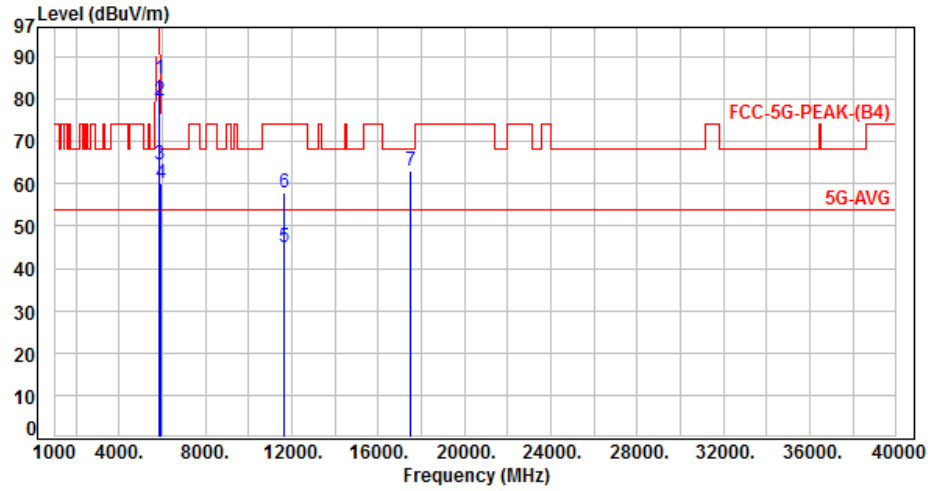


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5850.00	6.28	83.39	89.67	122.20	-32.53	Peak	221	345	P
2	5855.00	6.30	78.27	84.57	110.80	-26.23	Peak	221	345	P
3	5875.00	6.39	63.60	69.99	105.20	-35.21	Peak	221	345	P
4	5925.00	6.57	53.65	60.22	68.20	-7.98	Peak	221	345	P
5	11650.00	14.88	30.92	45.80	54.00	-8.20	Average	100	356	P
6	11650.00	14.88	45.78	60.66	74.00	-13.34	Peak	100	356	P
7	17475.00	21.63	41.44	63.07	68.20	-5.13	Peak	100	162	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, Band 4, CH165		:

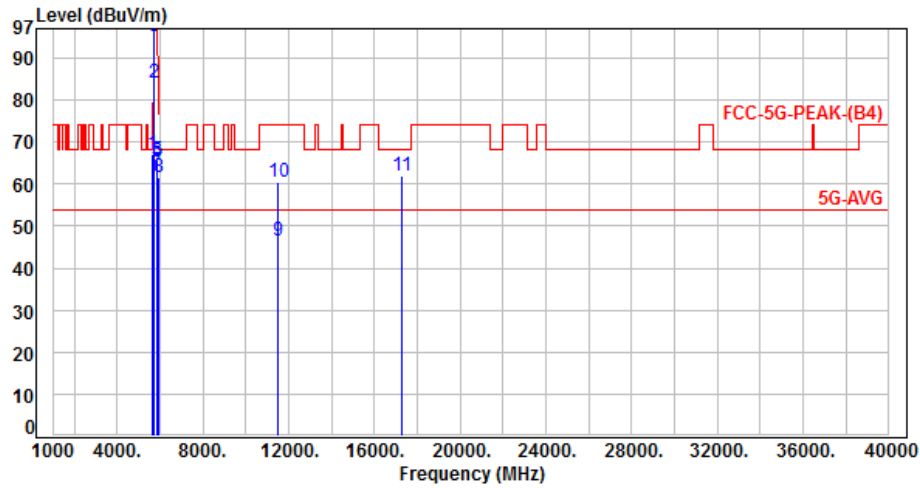


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5850.00	6.28	78.61	84.89	122.20	-37.31	Peak	114	251	P
2	5855.00	6.30	73.38	79.68	110.80	-31.12	Peak	114	251	P
3	5875.00	6.39	58.15	64.54	105.20	-40.66	Peak	114	251	P
4	5925.00	6.57	53.49	60.06	68.20	-8.14	Peak	114	251	P
5	11650.00	14.88	30.18	45.06	54.00	-8.94	Average	106	332	P
6	11650.00	14.88	43.15	58.03	74.00	-15.97	Peak	106	332	P
7	17475.00	21.63	41.31	62.94	68.20	-5.26	Peak	100	72	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, Band 4, CH151		:

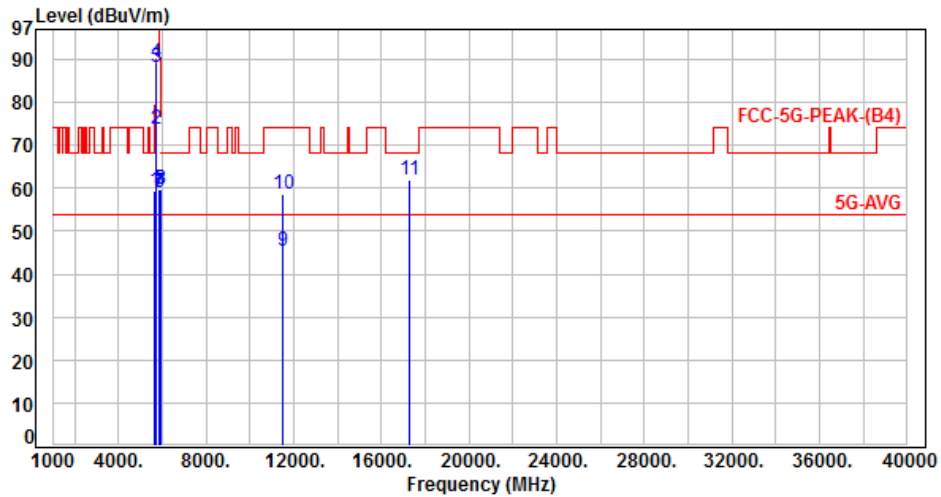


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.13	61.02	67.15	68.20	-1.05	Peak	247	344	P
2	5700.00	6.17	77.74	83.91	105.20	-21.29	Peak	247	344	P
3	5720.00	6.18	88.87	95.05	110.80	-15.75	Peak	247	344	P
4	5725.00	6.19	90.90	97.09	122.20	-25.11	Peak	247	344	P
5	5850.00	6.28	59.33	65.61	122.20	-56.59	Peak	247	344	P
6	5855.00	6.30	59.03	65.33	110.80	-45.47	Peak	247	344	P
7	5875.00	6.39	56.69	63.08	105.20	-42.12	Peak	247	344	P
8	5925.00	6.57	54.91	61.48	68.20	-6.72	Peak	247	344	P
9	11510.00	14.52	31.97	46.49	54.00	-7.51	Average	100	352	P
10	11510.00	14.52	45.88	60.40	74.00	-13.60	Peak	100	352	P
11	17265.00	20.20	41.89	62.09	68.20	-6.11	Peak	100	163	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, Band 4, CH151		:

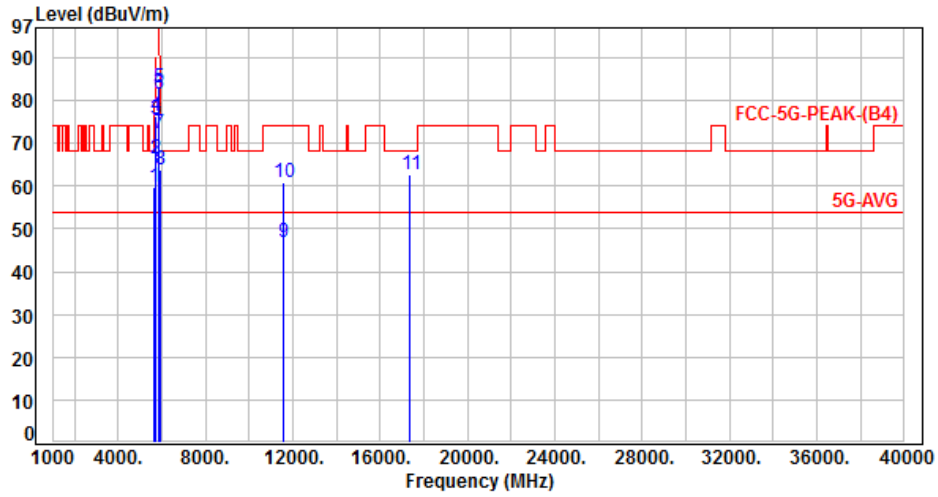


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.13	53.18	59.31	68.20	-8.89	Peak	100	246	P
2	5700.00	6.17	67.65	73.82	105.20	-31.38	Peak	100	246	P
3	5720.00	6.18	81.93	88.11	110.80	-22.69	Peak	100	246	P
4	5725.00	6.19	83.01	89.20	122.20	-33.00	Peak	100	246	P
5	5850.00	6.28	53.31	59.59	122.20	-62.61	Peak	100	246	P
6	5855.00	6.30	52.76	59.06	110.80	-51.74	Peak	100	246	P
7	5875.00	6.39	52.62	59.01	105.20	-46.19	Peak	100	246	P
8	5925.00	6.57	53.05	59.62	68.20	-8.58	Peak	100	246	P
9	11510.00	14.52	30.95	45.47	54.00	-8.53	Average	123	334	P
10	11510.00	14.52	43.97	58.49	74.00	-15.51	Peak	123	334	P
11	17265.00	20.20	41.74	61.94	68.20	-6.26	Peak	100	78	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, Band 4, CH159		

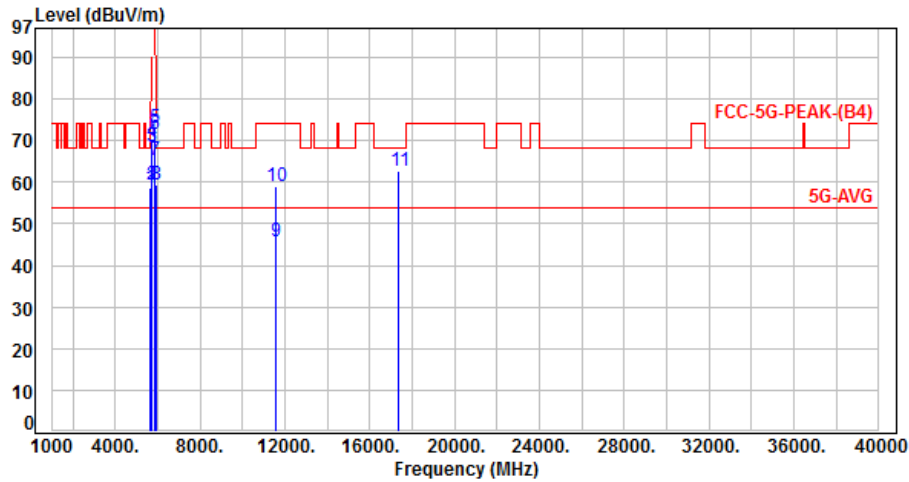


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.13	53.70	59.83	68.20	-8.37	Peak	256	323	P
2	5700.00	6.17	60.08	66.25	105.20	-38.95	Peak	256	323	P
3	5720.00	6.18	69.30	75.48	110.80	-35.32	Peak	256	323	P
4	5725.00	6.19	70.11	76.30	122.20	-45.90	Peak	256	323	P
5	5850.00	6.28	76.76	83.04	122.20	-39.16	Peak	256	323	P
6	5855.00	6.30	75.05	81.35	110.80	-29.45	Peak	256	323	P
7	5875.00	6.39	65.86	72.25	105.20	-32.95	Peak	256	323	P
8	5925.00	6.57	57.26	63.83	68.20	-4.37	Peak	256	323	P
9	11590.00	14.75	32.14	46.89	54.00	-7.11	Average	100	355	P
10	11590.00	14.75	46.10	60.85	74.00	-13.15	Peak	100	355	P
11	17385.00	20.90	41.64	62.54	68.20	-5.66	Peak	100	166	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, Band 4, CH159		:



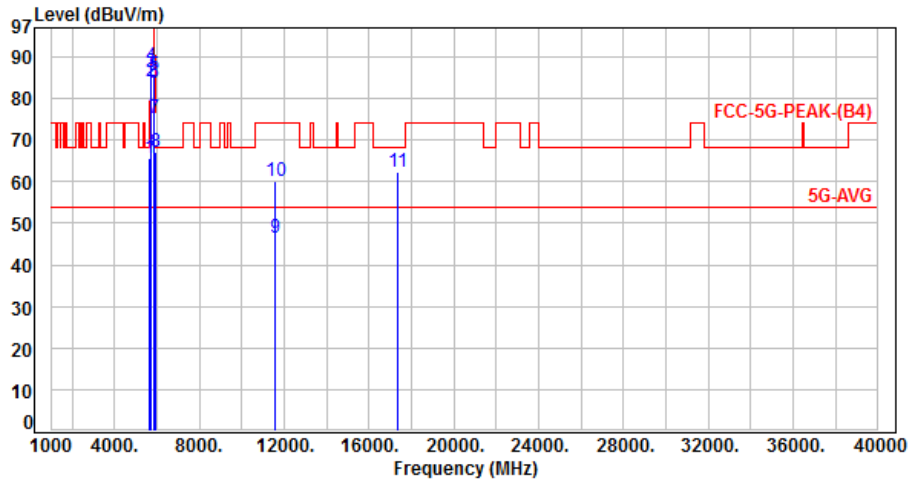
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.13	52.34	58.47	68.20	-9.73	Peak	100	244	P
2	5700.00	6.17	53.21	59.38	105.20	-45.82	Peak	100	244	P
3	5720.00	6.18	62.30	68.48	110.80	-42.32	Peak	100	244	P
4	5725.00	6.19	63.70	69.89	122.20	-52.31	Peak	100	244	P
5	5850.00	6.28	66.72	73.00	122.20	-49.20	Peak	100	244	P
6	5855.00	6.30	65.35	71.65	110.80	-39.15	Peak	100	244	P
7	5875.00	6.39	58.83	65.22	105.20	-39.98	Peak	100	244	P
8	5925.00	6.57	52.79	59.36	68.20	-8.84	Peak	100	244	P
9	11590.00	14.75	31.13	45.88	54.00	-8.12	Average	121	337	P
10	11590.00	14.75	44.16	58.91	74.00	-15.09	Peak	121	337	P
11	17385.00	20.90	41.86	62.76	68.20	-5.44	Peak	100	75	P

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





Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 6, Band 4, CH155		:

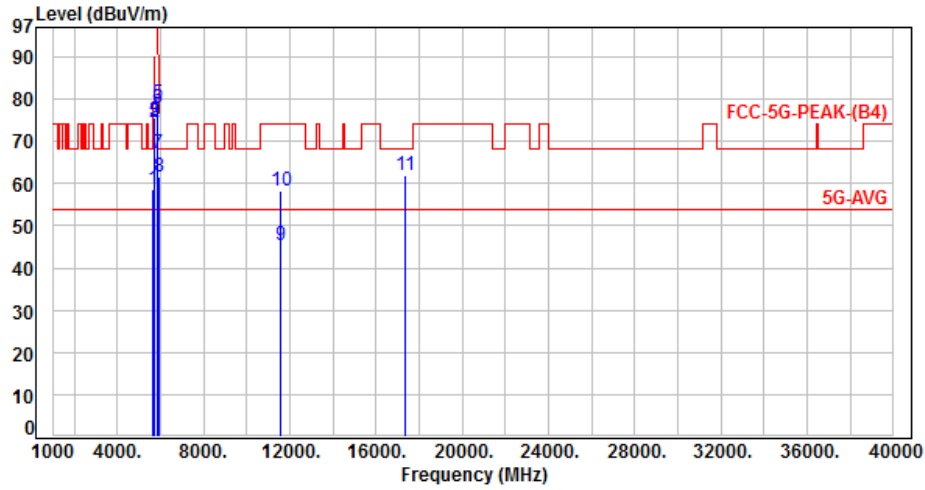


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.13	59.44	65.57	68.20	-2.63	Peak	219	326	P
2	5700.00	6.17	77.93	84.10	105.20	-21.10	Peak	219	326	P
3	5720.00	6.18	80.10	86.28	110.80	-24.52	Peak	219	326	P
4	5725.00	6.19	81.75	87.94	122.20	-34.26	Peak	219	326	P
5	5850.00	6.28	79.41	85.69	122.20	-36.51	Peak	219	326	P
6	5855.00	6.30	77.40	83.70	110.80	-27.10	Peak	219	326	P
7	5875.00	6.39	68.91	75.30	105.20	-29.90	Peak	219	326	P
8	5925.00	6.57	60.38	66.95	68.20	-1.25	Peak	219	326	P
9	11550.00	14.64	31.81	46.45	54.00	-7.55	Average	100	344	P
10	11550.00	14.64	45.42	60.06	74.00	-13.94	Peak	100	344	P
11	17325.00	20.51	41.68	62.19	68.20	-6.01	Peak	100	158	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, Band 4, CH155		:



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	6.13	52.63	58.76	68.20	-9.44	Peak	100	253	P
2	5700.00	6.17	68.20	74.37	105.20	-30.83	Peak	100	253	P
3	5720.00	6.18	68.55	74.73	110.80	-36.07	Peak	100	253	P
4	5725.00	6.19	69.42	75.61	122.20	-46.59	Peak	100	253	P
5	5850.00	6.28	72.72	79.00	122.20	-43.20	Peak	100	253	P
6	5855.00	6.30	71.38	77.68	110.80	-33.12	Peak	100	253	P
7	5875.00	6.39	60.70	67.09	105.20	-38.11	Peak	100	253	P
8	5925.00	6.57	55.10	61.67	68.20	-6.53	Peak	100	253	P
9	11550.00	14.64	30.78	45.42	54.00	-8.58	Average	121	339	P
10	11550.00	14.64	43.58	58.22	74.00	-15.78	Peak	121	339	P
11	17325.00	20.51	41.56	62.07	68.20	-6.13	Peak	100	69	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

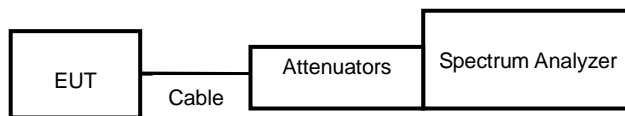
#### 7.1. Test Limit

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

Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
802.11a,6M	2.07	2.14	96.54%
802.11ac VHT20	1.93	2.03	94.69%
802.11ac VHT40	0.95	1.02	93.64%
802.11ac VHT80	0.46	0.56	82.14%

#### 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 Type: 802.11a (6Mbps)



Modulation Type: 802.11ac VHT80 (29.3Mbps)



Modulation Type: 802.11ac VHT20 (6.5Mbps)



Modulation Type: 802.11ac VHT40 (13.5Mbps)





## 8. 6dB Bandwidth & 99% Occupied Bandwidth

### 8.1. Test Limit

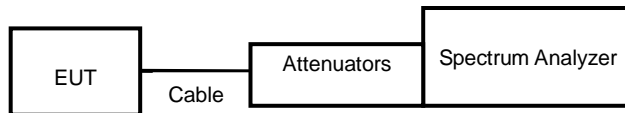
FCC §15.407

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  $\geq 3 \times$  RBW, peak detector and max hold.

### 8.3. Test Setup Layout



**8.4. Test Result and Data (6dB Bandwidth)**

In the 5.8G Band

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth(MHz)		Minimum Limit (MHz)
			ANT A	ANT B	
11a	149	5745	16.30	16.05	0.50
11a	157	5785	16.30	16.05	0.50
11a	165	5825	16.30	16.30	0.50
11ac VHT20	149	5745	16.85	15.95	0.50
11ac VHT20	157	5785	16.30	15.45	0.50
11ac VHT20	165	5825	15.90	15.45	0.50
11ac VHT40	151	5755	35.80	35.00	0.50
11ac VHT40	159	5795	36.00	35.20	0.50
11ac VHT80	155	5775	75.20	75.04	0.50

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

In the 5.8G Band

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)	
			ANT A	ANT B
11a	149	5745	34.17	33.81
11a	157	5785	34.20	33.88
11a	165	5825	36.12	35.14
11ac VHT20	149	5745	33.92	34.13
11ac VHT20	157	5785	35.26	34.84
11ac VHT20	165	5825	39.00	36.75
11ac VHT40	151	5755	69.41	69.77
11ac VHT40	159	5795	73.36	72.34
11ac VHT80	155	5775	109.21	113.25





6dB Bandwidth, ANT A  
Modulation Type: 802.11a (6Mbps)  
CH149



Modulation Type: 802.11ac, VHT20 (6.5Mbps)  
CH149



CH157



CH157



CH165



CH165







6dB Bandwidth, ANT A  
Modulation Type: 802.11ac, VHT40 (13.5Mbps)  
CH151



Modulation Type: 802.11ac, VHT80 (29.3Mbps)  
CH155



CH159





6dB Bandwidth, ANT B  
Modulation Type: 802.11a (6Mbps)  
CH149



Modulation Type: 802.11ac, VHT20 (6.5Mbps)  
CH149



CH157



CH157



CH165



CH165





6dB Bandwidth, ANT B  
Modulation Type: 802.11ac, VHT40 (13.5Mbps)  
CH151



Modulation Type: 802.11ac, VHT80 (29.3Mbps)  
CH155



CH159







99% Occupied Bandwidth, ANT A  
Modulation Type: 802.11a (6Mbps)  
CH149

Modulation Type: 802.11ac, VHT20 (6.5Mbps)  
CH149



CH157



CH157



CH165



CH165





99% Occupied Bandwidth, ANT A  
Modulation Type: 802.11ac, VHT40 (13.5Mbps)  
CH151



Modulation Type: 802.11ac, VHT80 (29.3Mbps)  
CH155



CH159





99% Occupied Bandwidth, ANT B  
Modulation Type: 802.11a (6Mbps)  
CH149



Modulation Type: 802.11ac, VHT20 (6.5Mbps)  
CH149



CH157



CH157



CH165



CH165





99% Occupied Bandwidth, ANT B  
Modulation Type: 802.11ac, VHT40 (13.5Mbps)  
CH151

Modulation Type: 802.11ac, VHT80 (29.3Mbps)  
CH155



CH159





## 9. 26dB Bandwidth & 99% Occupied Bandwidth

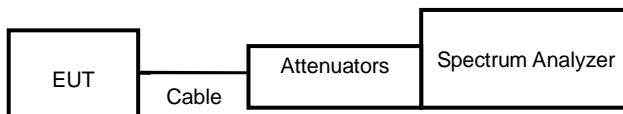
### 9.1. Test Limit

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)**

In the 5.2G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)	
			ANT A	ANT B
11a	36	5180	33.81	36.79
11a	40	5200	33.77	36.12
11a	48	5240	32.02	36.58
11ac VHT20	36	5180	38.23	38.25
11ac VHT20	40	5200	35.45	37.86
11ac VHT20	48	5240	32.47	37.48
11ac VHT40	38	5190	49.29	61.68
11ac VHT40	46	5230	78.33	87.92
11ac VHT80	42	5210	81.71	81.26

In the 5.3G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)	
			ANT A	ANT B
11a	52	5260	28.42	39.15
11a	60	5300	30.90	30.85
11a	64	5320	33.60	34.38
11ac VHT20	52	5260	30.52	38.39
11ac VHT20	60	5300	31.84	32.99
11ac VHT20	64	5320	36.24	36.24
11ac VHT40	54	5270	94.81	95.73
11ac VHT40	62	5310	45.00	51.62
11ac VHT80	58	5290	81.10	80.89

In the 5.5G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)	
			ANT A	ANT B
11a	100	5500	25.75	25.77
11a	120	5600	28.72	27.13
11a	140	5700	25.16	28.61
11ac VHT20	100	5500	29.92	27.04
11ac VHT20	120	5600	36.79	33.48
11ac VHT20	140	5700	30.80	30.09
11ac VHT40	102	5510	43.99	43.30
11ac VHT40	118	5590	97.63	96.70
11ac VHT40	134	5670	81.06	81.01
11ac VHT80	106	5530	80.70	80.34
11ac VHT80	122	5610	170.90	155.50

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

In the 5.2G Band

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)	
			ANT A	ANT B
11a	36	5180	17.38	18.21
11a	40	5200	17.67	19.01
11a	48	5240	17.44	19.78
11ac VHT20	36	5180	19.10	20.31
11ac VHT20	40	5200	18.44	19.18
11ac VHT20	48	5240	18.22	19.22
11ac VHT40	38	5190	37.15	37.02
11ac VHT40	46	5230	37.47	38.41
11ac VHT80	42	5210	75.14	74.98

In the 5.3G Band

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)	
			ANT A	ANT B
11a	52	5260	17.17	17.47
11a	60	5300	17.06	16.96
11a	64	5320	17.50	17.32
11ac VHT20	52	5260	18.05	18.28
11ac VHT20	60	5300	18.22	18.08
11ac VHT20	64	5320	18.37	18.27
11ac VHT40	54	5270	57.32	63.29
11ac VHT40	62	5310	36.88	36.62
11ac VHT80	58	5290	75.13	74.99

In the 5.5G Band

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)	
			ANT A	ANT B
11a	100	5500	17.00	16.84
11a	120	5600	17.17	16.86
11a	140	5700	16.88	16.81
11ac VHT20	100	5500	17.93	17.77
11ac VHT20	120	5600	18.23	17.94
11ac VHT20	140	5700	17.90	17.88
11ac VHT40	102	5510	36.87	36.57
11ac VHT40	118	5590	65.28	62.48
11ac VHT40	134	5670	38.86	39.39
11ac VHT80	106	5530	75.15	74.92
11ac VHT80	122	5610	91.30	78.54



26dB Bandwidth, ANT A  
Modulation Type: 802.11a (6Mbps)  
CH36

802.11ac VHT20 (6.5Mbps)  
CH36



CH40

CH40



CH48

CH48

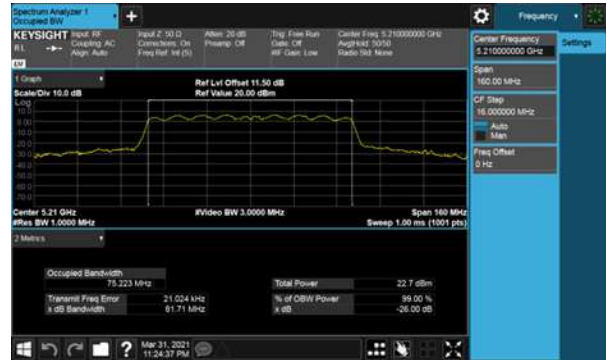




26dB Bandwidth, ANT A

Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH38

Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH42



CH46





26dB Bandwidth, ANT A  
Modulation Type: 802.11a (6Mbps)  
CH52

802.11ac VHT20 (6.5Mbps)  
CH52



CH60



CH60



CH64



CH64





26dB Bandwidth, ANT A

Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH54

Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH58



CH62





26dB Bandwidth, ANT A  
Modulation Type: 802.11a (6Mbps)  
CH100

802.11ac VHT20 (6.5Mbps)  
CH100



CH120

CH120



CH140

CH140



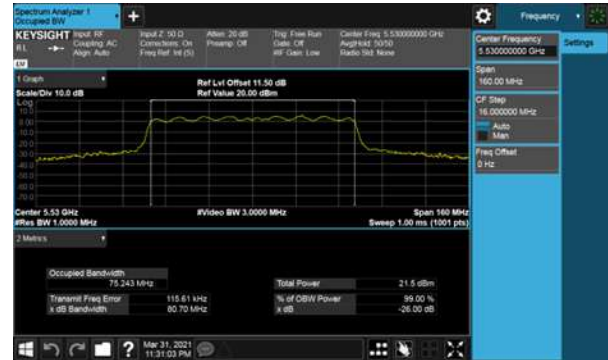




26dB Bandwidth, ANT A

Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH102

Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH106



CH118



CH122



CH134







26dB Bandwidth, ANT B  
Modulation Type: 802.11a (6Mbps)  
CH36

802.11ac VHT20 (6.5Mbps)  
CH36



CH40

CH40



CH48

CH48

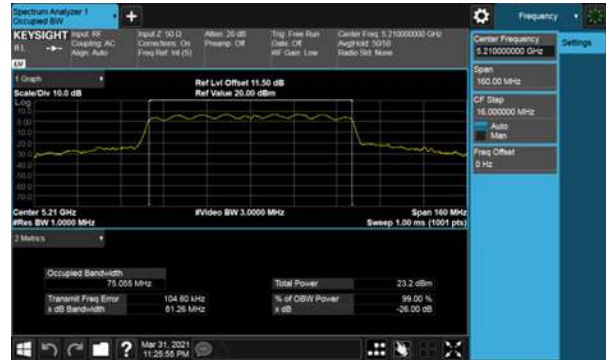




26dB Bandwidth, ANT B

Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH38

Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH42



CH46





26dB Bandwidth, ANT B  
Modulation Type: 802.11a (6Mbps)  
CH52

802.11ac VHT20 (6.5Mbps)  
CH52



CH60

CH60



CH64

CH64





26dB Bandwidth, ANT B

Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH54

Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH58



CH62





26dB Bandwidth, ANT B  
Modulation Type: 802.11a (6Mbps)  
CH100

802.11ac VHT20 (6.5Mbps)  
CH100



CH120

CH120



CH140

CH140

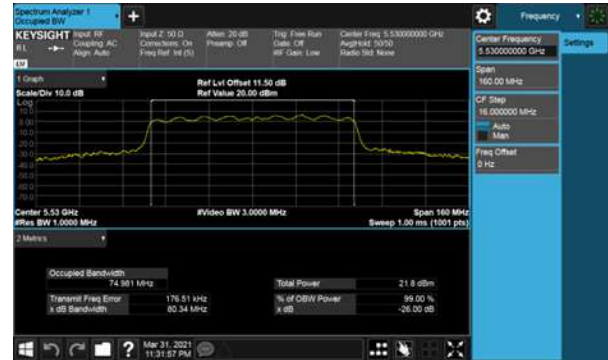




26dB Bandwidth, ANT B

Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH102

Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH106



CH118



CH122



CH134







99% Bandwidth ANT A  
Modulation Type: 802.11a (6Mbps)  
CH36

802.11ac VHT20 (6.5Mbps)  
CH36



CH40

CH40



CH48

CH48





99% Bandwidth ANT A

Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH38

Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH42



CH46







99% Bandwidth ANT A  
Modulation Type: 802.11a (6Mbps)  
CH52

802.11ac VHT20 (6.5Mbps)  
CH52



CH60

CH60



CH64

CH64





99% Bandwidth ANT A

Modulation Type: 802.11ac VHT40 (13.5Mbps) CH54



Modulation Type: 802.11ac VHT80 (29.3Mbps) CH58



CH62





99% Bandwidth ANT A  
Modulation Type: 802.11a (6Mbps)  
CH100

802.11ac VHT20 (6.5Mbps)  
CH100



CH120

CH120



CH140

CH140

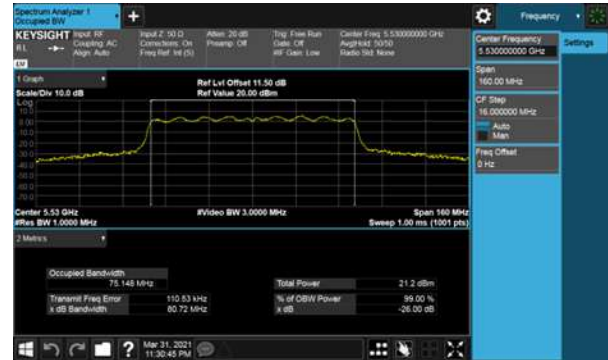




99% Bandwidth ANT A

Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH102

Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH106



CH118



CH122



CH134





99% Bandwidth ANT B  
Modulation Type: 802.11a (6Mbps)  
CH36

802.11ac VHT20 (6.5Mbps)  
CH36



CH40

CH40



CH48

CH48





99% Bandwidth ANT B  
Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH38

Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH42



CH46







99% Bandwidth ANT B  
Modulation Type: 802.11a (6Mbps)  
CH52

802.11ac VHT20 (6.5Mbps)  
CH52



CH60

CH60



CH64

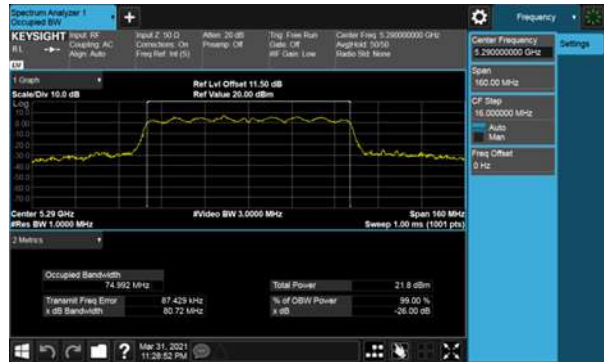
CH64





99% Bandwidth ANT B  
Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH54

Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH58



CH62







99% Bandwidth ANT B  
Modulation Type: 802.11a (6Mbps)  
CH100

802.11ac VHT20 (6.5Mbps)  
CH100



CH120

CH120



CH140

CH140





99% Bandwidth ANT B  
Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH102

Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH106



CH118

CH122



CH134





## 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.



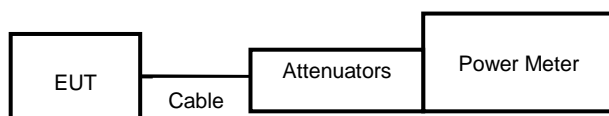
Frequency Band	Limit
<input checked="" type="checkbox"/> 5.25-5.35 GHz	The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW (24dBm) or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional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

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)		Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A	ANT B			
11a	6 Mbps	42/52	36	5180	18.54	18.91	21.74	149.253	24.00
11a	6 Mbps	42/52	40	5200	18.58	19.06	21.84	152.649	24.00
11a	6 Mbps	41/51	48	5240	18.33	19.18	21.79	150.871	24.00
11n HT20	MCS 0	43/53	36	5180	18.75	19.12	21.95	156.648	24.00
11n HT20	MCS 0	42/52	40	5200	18.66	19.08	21.89	154.361	24.00
11n HT20	MCS 0	41/51	48	5240	18.34	19.30	21.86	153.348	24.00
11n HT40	MCS 0	34/44	38	5190	16.15	16.61	19.40	87.024	24.00
11n HT40	MCS 0	39/49	46	5230	17.99	18.72	21.38	137.424	24.00
11ac VHT20	NSS1-MCS0	43/53	36	5180	18.79	19.18	22.00	158.478	24.00
11ac VHT20	NSS1-MCS0	42/52	40	5200	18.70	19.12	21.93	155.789	24.00
11ac VHT20	NSS1-MCS0	41/51	48	5240	18.38	19.32	21.89	154.372	24.00
11ac VHT40	NSS1-MCS0	34/44	38	5190	16.18	16.65	19.43	87.734	24.00
11ac VHT40	NSS1-MCS0	39/49	46	5230	18.02	18.75	21.41	138.376	24.00
11ac VHT80	NSS1-MCS0	32/42	42	5210	14.71	15.59	18.18	65.804	24.00

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)		Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A	ANT B			
11a	6 Mbps	39/48	52	5260	17.65	18.35	21.02	126.601	24.00
11a	6 Mbps	39/45	60	5300	17.73	17.62	20.69	117.102	24.00
11a	6 Mbps	40/46	64	5320	18.25	18.12	21.20	131.698	24.00
11n HT20	MCS 0	39/48	52	5260	17.68	18.31	21.02	126.378	24.00
11n HT20	MCS 0	40/46	60	5300	18.05	17.96	21.02	126.344	24.00
11n HT20	MCS 0	40/46	64	5320	17.93	17.92	20.94	124.031	24.00
11n HT40	MCS 0	49/58	54	5270	20.69	21.01	23.86	243.402	24.00
11n HT40	MCS 0	33/39	62	5310	15.78	15.85	18.83	76.303	24.00
11ac VHT20	NSS1-MCS0	39/48	52	5260	17.72	18.37	21.07	127.863	24.00
11ac VHT20	NSS1-MCS0	40/46	60	5300	18.07	17.99	21.04	127.072	24.00
11ac VHT20	NSS1-MCS0	40/46	64	5320	17.98	17.94	20.97	125.036	24.00
11ac VHT40	NSS1-MCS0	49/58	54	5270	20.72	21.04	23.89	245.089	24.00
11ac VHT40	NSS1-MCS0	33/39	62	5310	15.81	15.91	18.87	77.101	24.00
11ac VHT80	NSS1-MCS0	31/38	58	5290	14.60	14.76	17.69	58.763	24.00



Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)		Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A	ANT B			
11a	6 Mbps	40/43	100	5500	16.92	16.88	19.91	97.957	24.00
11a	6 Mbps	39/40	120	5600	17.21	17.23	20.23	105.446	24.00
11a	6 Mbps	36/38	140	5700	16.51	17.16	19.86	96.771	24.00
11n HT20	MCS 0	40/43	100	5500	16.75	16.53	19.65	92.293	24.00
11n HT20	MCS 0	40/41	120	5600	17.39	17.46	20.44	110.546	24.00
11n HT20	MCS 0	37/39	140	5700	16.61	17.35	20.01	100.139	24.00
11n HT40	MCS 0	33/36	102	5510	13.94	14.19	17.08	51.016	24.00
11n HT40	MCS 0	53/54	118	5590	20.41	20.55	23.49	223.402	24.00
11n HT40	MCS 0	40/42	134	5670	18.02	18.73	21.40	138.032	24.00
11ac VHT20	NSS1-MCS0	40/43	100	5500	16.79	16.59	19.70	93.357	24.00
11ac VHT20	NSS1-MCS0	40/41	120	5600	17.41	17.48	20.46	111.057	24.00
11ac VHT20	NSS1-MCS0	37/39	140	5700	16.64	17.38	20.04	100.833	24.00
11ac VHT40	NSS1-MCS0	33/36	102	5510	13.98	14.21	17.11	51.367	24.00
11ac VHT40	NSS1-MCS0	53/54	118	5590	20.44	20.56	23.51	224.425	24.00
11ac VHT40	NSS1-MCS0	40/42	134	5670	18.04	18.76	21.43	138.842	24.00
11ac VHT80	NSS1-MCS0	33/36	106	5530	14.02	14.37	17.21	52.587	24.00
11ac VHT80	NSS1-MCS0	46/47	122	5610	19.45	19.52	22.50	177.641	24.00

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)		Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A	ANT B			
11a	6 Mbps	60/63	149	5745	20.43	21.09	23.78	238.937	30.00
11a	6 Mbps	61/63	157	5785	20.49	21.05	23.79	239.294	30.00
11a	6 Mbps	62/63	165	5825	20.55	21.14	23.87	243.518	30.00
11n HT20	MCS 0	60/63	149	5745	20.42	20.96	23.71	234.892	30.00
11n HT20	MCS 0	61/63	157	5785	20.52	21.14	23.85	242.737	30.00
11n HT20	MCS 0	62/63	165	5825	20.55	21.13	23.86	243.219	30.00
11n HT40	MCS 0	59/62	151	5755	20.46	21.08	23.79	239.406	30.00
11n HT40	MCS 0	61/63	159	5795	20.63	21.40	24.04	253.650	30.00
11ac VHT20	NSS1-MCS0	60/63	149	5745	20.44	20.99	23.73	236.265	30.00
11ac VHT20	NSS1-MCS0	61/63	157	5785	20.55	21.16	23.88	244.118	30.00
11ac VHT20	NSS1-MCS0	62/63	165	5825	20.61	21.15	23.90	245.397	30.00
11ac VHT40	NSS1-MCS0	59/62	151	5755	20.47	21.11	23.81	240.551	30.00
11ac VHT40	NSS1-MCS0	61/63	159	5795	20.68	21.42	<b>24.08</b>	255.626	30.00
11ac VHT80	NSS1-MCS0	53/56	155	5775	19.40	20.25	22.86	193.022	30.00



### 11. Power Spectral Density

#### 11.1. Test Limit

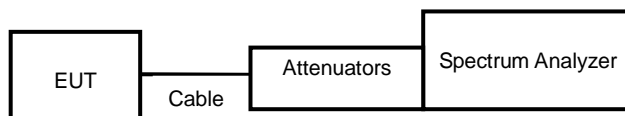
PSD:

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 checked="" type="checkbox"/>	5.725~5.85 GHz	11 dBm/MHz
<input checked="" 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**

In the 5.2G Band

Modulation Type	Channel	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	ANT B				
11a	36	5180	7.33	7.65	10.51	0.15	10.66	10.80
11a	40	5200	7.27	7.81	10.56	0.15	10.71	10.80
11a	48	5240	7.03	7.83	10.46	0.15	10.61	10.80
11ac VHT20	36	5180	7.34	7.64	10.50	0.24	10.74	10.80
11ac VHT20	40	5200	7.14	7.57	10.37	0.24	10.61	10.80
11ac VHT20	48	5240	6.69	7.52	10.13	0.24	10.37	10.80
11ac VHT40	38	5190	0.98	1.29	4.15	0.29	4.44	10.80
11ac VHT40	46	5230	3.48	4.21	6.87	0.29	7.16	10.80
11ac VHT80	42	5210	-2.32	-1.51	1.11	0.86	1.97	10.80

In the 5.3G Band

Modulation Type	Channel	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	ANT B				
11a	52	5260	6.30	6.96	9.65	0.15	9.80	10.09
11a	60	5300	6.81	6.31	9.58	0.15	9.73	10.09
11a	64	5320	6.64	6.51	9.59	0.15	9.74	10.09
11ac VHT20	52	5260	6.25	6.82	9.55	0.24	9.79	10.09
11ac VHT20	60	5300	6.72	6.37	9.56	0.24	9.80	10.09
11ac VHT20	64	5320	6.60	6.38	9.50	0.24	9.74	10.09
11ac VHT40	54	5270	5.41	5.59	8.51	0.29	8.80	10.09
11ac VHT40	62	5310	0.41	0.27	3.35	0.29	3.64	10.09
11ac VHT80	58	5290	-2.58	-2.61	0.42	0.86	1.28	10.09

In the 5.5G Band

Modulation Type	Channel (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	ANT B				
11a	100	5500	5.36	5.15	8.27	0.15	8.42	9.28
11a	120	5600	5.86	5.85	8.87	0.15	9.02	9.28
11a	140	5700	5.31	6.00	8.68	0.15	8.83	9.28
11ac VHT20	100	5500	4.95	4.82	7.90	0.24	8.14	9.28
11ac VHT20	120	5600	5.94	5.39	8.68	0.24	8.92	9.28
11ac VHT20	140	5700	5.14	5.75	8.46	0.24	8.70	9.28
11ac VHT40	102	5510	-1.33	-1.12	1.79	0.29	2.08	9.28
11ac VHT40	118	5590	5.89	5.97	8.94	0.29	9.23	9.28
11ac VHT40	134	5670	3.42	3.93	6.69	0.29	6.98	9.28
11ac VHT80	106	5530	-3.38	-2.72	-0.03	0.86	0.83	9.28
11ac VHT80	122	5610	2.15	2.26	5.21	0.86	6.07	9.28



In the 5.8G Band

Modulation Type	Channel (MHz)	Frequency (MHz)	Meas PSD (dBm/MHz)		Sum chain (dBm)	Duty Cycle CF(dB)	10log(500KHz /RBW) CF (dB)	Total Corr'd PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)
			ANT A	ANT B					
11a	149	5745	8.43	8.75	11.60	0.15	-3.01	8.74	28.20
11a	157	5785	8.07	8.53	11.32	0.15	-3.01	8.46	28.20
11a	165	5825	8.05	8.58	11.33	0.15	-3.01	8.47	28.20
11ac VHT20	149	5745	7.96	8.43	11.21	0.24	-3.01	8.44	28.20
11ac VHT20	157	5785	8.12	8.62	11.38	0.24	-3.01	8.61	28.20
11ac VHT20	165	5825	8.40	8.69	11.56	0.24	-3.01	8.79	28.20
11ac VHT40	151	5755	4.84	5.27	8.07	0.29	-3.01	5.35	28.20
11ac VHT40	159	5795	4.71	5.26	8.00	0.29	-3.01	5.28	28.20
11ac VHT80	155	5775	1.61	2.31	4.99	0.86	-3.01	2.84	28.20



ANT A

Modulation Type: 802.11a (6Mbps)

CH36



Modulation Type: 802.11ac VHT20 (6.5Mbps)

CH36



CH40



CH40



CH48



CH48





ANT A

Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH38



Modulation Type: 802.11ac VHT80 (29.3Mbps)

CH42



CH46





ANT A

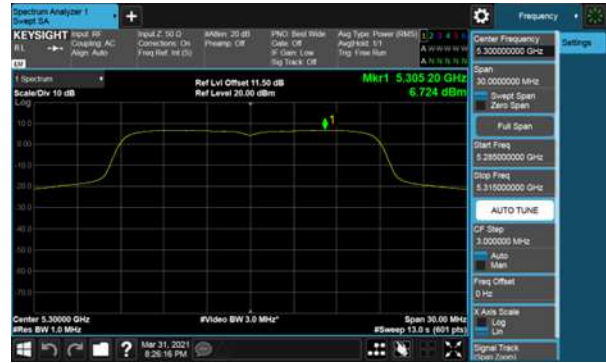
Modulation Type: 802.11a (6Mbps)  
CH52

802.11ac VHT20 (6.5Mbps)  
CH52



CH60

CH60



CH64

CH64





ANT A

Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH54

Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH58



CH62







ANT A  
Modulation Type: 802.11a (6Mbps)  
CH100

802.11ac VHT20 (6.5Mbps)  
CH100



CH120

CH120



CH140

CH140







ANT A

Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH102

Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH106



CH118



CH122



CH134





ANT A

Modulation Type: 802.11a (6Mbps)

CH149



Modulation Type: 802.11ac VHT20 (6.5Mbps)

CH149



CH157



CH157



CH165



CH165





ANT A

Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH151

Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH155



CH159





ANT B

Modulation Type: 802.11a (6Mbps)

CH36



Modulation Type: 802.11ac VHT20 (6.5Mbps)

CH36



CH40



CH40



CH48



CH48







ANT B

Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH38



Modulation Type: 802.11ac VHT80 (29.3Mbps)

CH42



CH46





ANT B

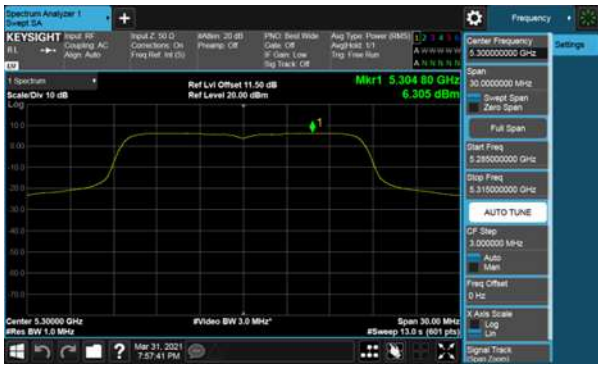
Modulation Type: 802.11a (6Mbps)  
CH52

802.11ac VHT20 (6.5Mbps)  
CH52



CH60

CH60



CH64

CH64





ANT B

Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH54



Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH58



CH62







ANT B  
Modulation Type: 802.11a (6Mbps)  
CH100

802.11ac VHT20 (6.5Mbps)  
CH100



CH120

CH120



CH140

CH140





ANT B

Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH102

Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH106



CH118



CH122



CH134





ANT B

Modulation Type: 802.11a (6Mbps)

CH149



Modulation Type: 802.11ac VHT20 (6.5Mbps)

CH149



CH157



CH157



CH165



CH165





ANT B

Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH151

Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH155



CH159

