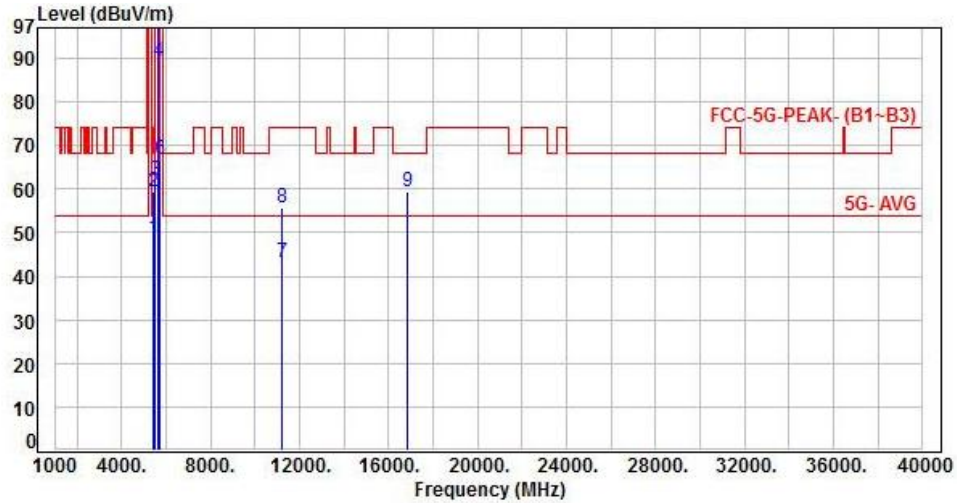




Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 6, Band 3, CH122		:

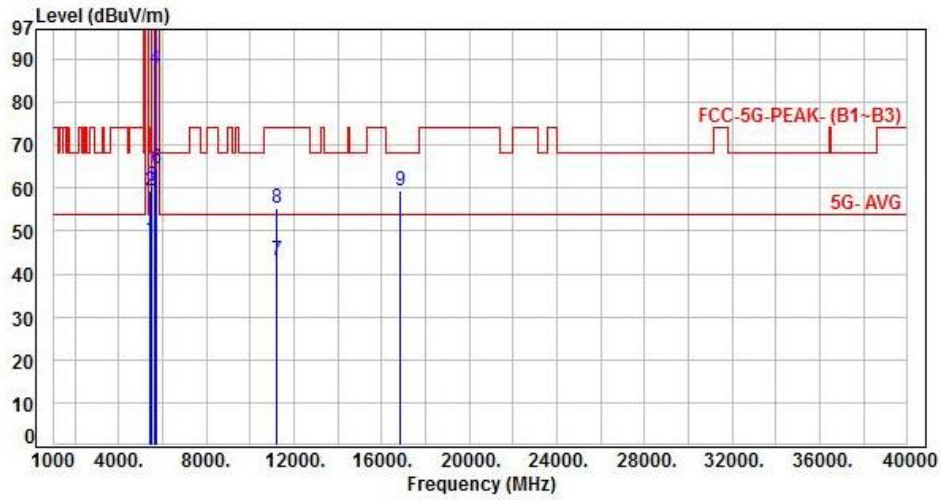


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	5.40	43.14	48.54	54.00	-5.46	Average	391	270	P
2	5460.00	5.40	53.88	59.28	74.00	-14.72	Peak	391	270	P
3	5470.00	5.40	56.42	61.82	68.20	-6.38	Peak	391	270	P
4	5610.00	5.26	84.18	89.44	200.00	-110.56	Average	391	270	P
5	5610.00	5.26	93.14	98.40	200.00	-101.60	Peak	391	270	P
6	5725.00	5.29	61.60	66.89	68.20	-1.31	Peak	391	270	P
7	11220.00	12.74	30.47	43.21	54.00	-10.79	Average	100	116	P
8	11220.00	12.74	42.82	55.56	74.00	-18.44	Peak	100	116	P
9	16830.00	16.54	42.77	59.31	68.20	-8.89	Peak	100	193	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 3, CH122		:

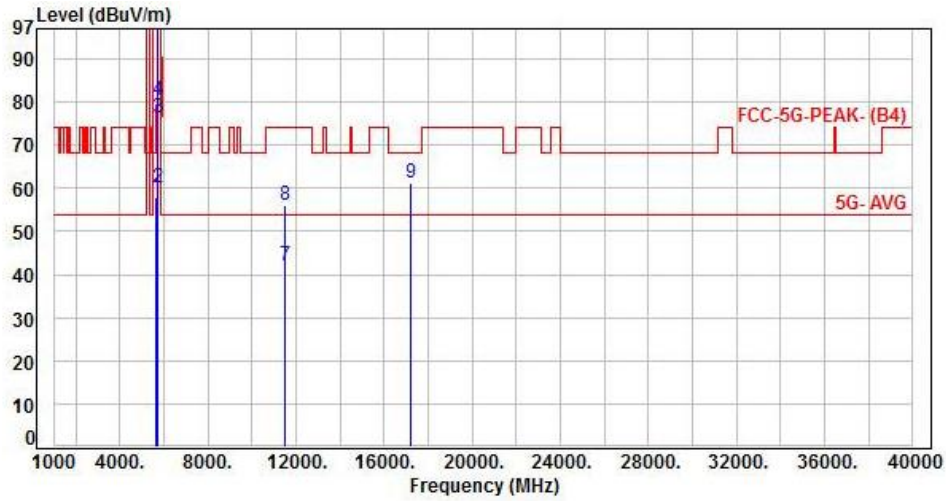


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	5.40	42.58	47.98	54.00	-6.02	Average	363	71	P
2	5460.00	5.40	54.00	59.40	74.00	-14.60	Peak	363	71	P
3	5470.00	5.40	55.21	60.61	68.20	-7.59	Peak	363	71	P
4	5610.00	5.26	82.48	87.74	200.00	-112.26	Average	363	71	P
5	5610.00	5.26	91.77	97.03	200.00	-102.97	Peak	363	71	P
6	5725.00	5.29	59.26	64.55	68.20	-3.65	Peak	363	71	P
7	11220.00	12.74	30.29	43.03	54.00	-10.97	Average	100	275	P
8	11220.00	12.74	42.59	55.33	74.00	-18.67	Peak	100	275	P
9	16830.00	16.54	42.79	59.33	68.20	-8.87	Peak	100	160	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, CH149		:

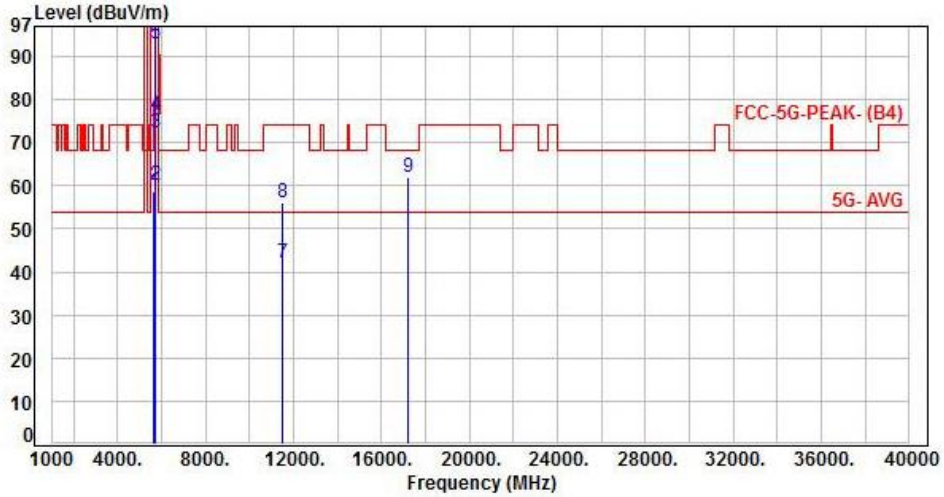


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	5.19	52.62	57.81	68.20	-10.39	Peak	359	264	P
2	5700.00	5.22	54.94	60.16	105.20	-45.04	Peak	359	264	P
3	5720.00	5.27	70.99	76.26	110.80	-34.54	Peak	359	264	P
4	5725.00	5.29	75.30	80.59	122.20	-41.61	Peak	359	264	P
5	5745.00	5.34	91.10	96.44	200.00	-103.56	Average	359	264	P
6	5745.00	5.34	100.23	105.57	200.00	-94.43	Peak	359	264	P
7	11490.00	13.28	28.76	42.04	54.00	-11.96	Average	100	108	P
8	11490.00	13.28	42.67	55.95	74.00	-18.05	Peak	100	108	P
9	17235.00	18.66	42.63	61.29	68.20	-6.91	Peak	100	184	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		:

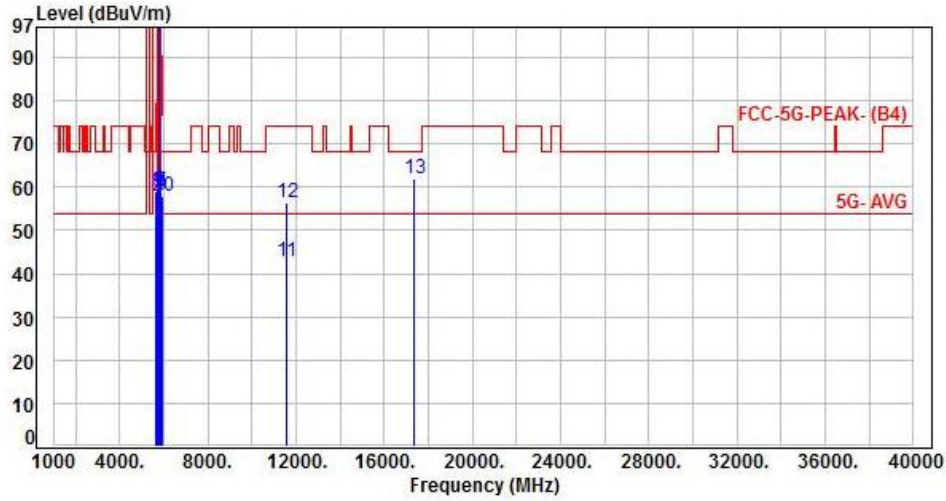


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	5.19	53.33	58.52	68.20	-9.68	Peak	291	84	P
2	5700.00	5.22	54.92	60.14	105.20	-45.06	Peak	291	84	P
3	5720.00	5.27	66.89	72.16	110.80	-38.64	Peak	291	84	P
4	5725.00	5.29	71.01	76.30	122.20	-45.90	Peak	291	84	P
5	5745.00	5.34	87.48	92.82	200.00	-107.18	Average	291	84	P
6	5745.00	5.34	96.57	101.91	200.00	-98.09	Peak	291	84	P
7	11490.00	13.28	28.68	41.96	54.00	-12.04	Average	100	264	P
8	11490.00	13.28	42.75	56.03	74.00	-17.97	Peak	100	264	P
9	17235.00	18.66	43.16	61.82	68.20	-6.38	Peak	100	143	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		:



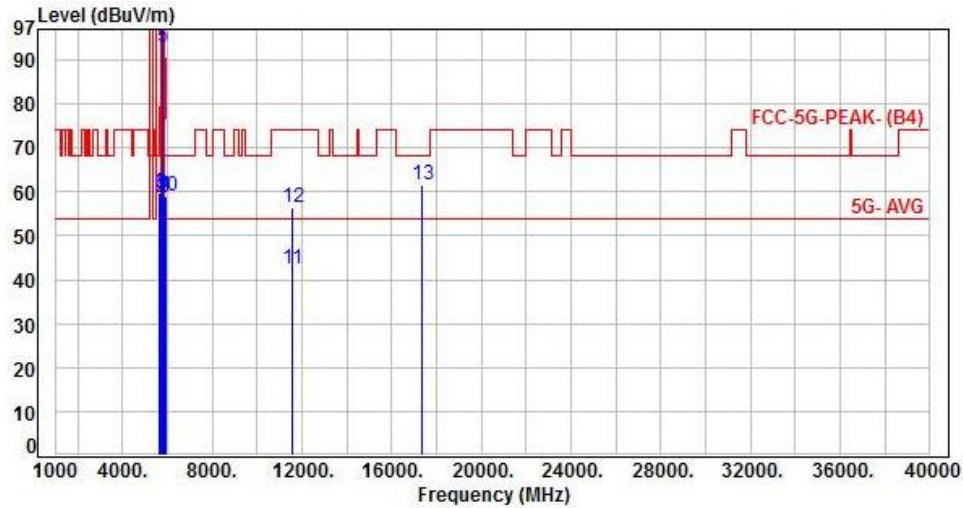
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	5.19	53.84	59.03	68.20	-9.17	Peak	369	272	P
2	5700.00	5.22	52.54	57.76	105.20	-47.44	Peak	369	272	P
3	5720.00	5.27	53.57	58.84	110.80	-51.96	Peak	369	272	P
4	5725.00	5.29	53.91	59.20	122.20	-63.00	Peak	369	272	P
5	5785.00	5.30	90.59	95.89	200.00	-104.11	Average	369	272	P
6	5785.00	5.30	99.65	104.95	200.00	-95.05	Peak	369	272	P
7	5850.00	5.41	53.63	59.04	122.20	-63.16	Peak	369	272	P
8	5855.00	5.42	53.41	58.83	110.80	-51.97	Peak	369	272	P
9	5875.00	5.46	52.66	58.12	105.20	-47.08	Peak	369	272	P
10	5925.00	5.59	52.46	58.05	68.20	-10.15	Peak	369	272	P
11	11570.00	13.50	29.13	42.63	54.00	-11.37	Average	100	110	P
12	11570.00	13.50	42.76	56.26	74.00	-17.74	Peak	100	110	P
13	17355.00	19.26	42.84	62.10	68.20	-6.10	Peak	100	110	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		:

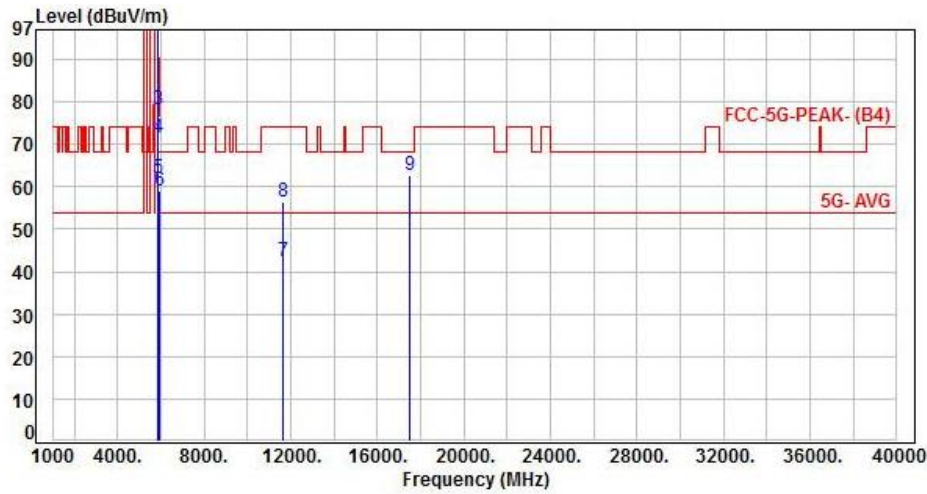


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	5.19	54.49	59.68	68.20	-8.52	Peak	348	87	P
2	5700.00	5.22	53.48	58.70	105.20	-46.50	Peak	348	87	P
3	5720.00	5.27	54.31	59.58	110.80	-51.22	Peak	348	87	P
4	5725.00	5.29	53.56	58.85	122.20	-63.35	Peak	348	87	P
5	5785.00	5.30	87.71	93.01	200.00	-106.99	Average	348	87	P
6	5785.00	5.30	96.81	102.11	200.00	-97.89	Peak	348	87	P
7	5850.00	5.41	53.60	59.01	122.20	-63.19	Peak	348	87	P
8	5855.00	5.42	53.31	58.73	110.80	-52.07	Peak	348	87	P
9	5875.00	5.46	53.05	58.51	105.20	-46.69	Peak	348	87	P
10	5925.00	5.59	53.49	59.08	68.20	-9.12	Peak	348	87	P
11	11570.00	13.50	28.96	42.46	54.00	-11.54	Average	100	266	P
12	11570.00	13.50	42.89	56.39	74.00	-17.61	Peak	100	266	P
13	17355.00	19.26	42.41	61.67	68.20	-6.53	Peak	100	147	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		:

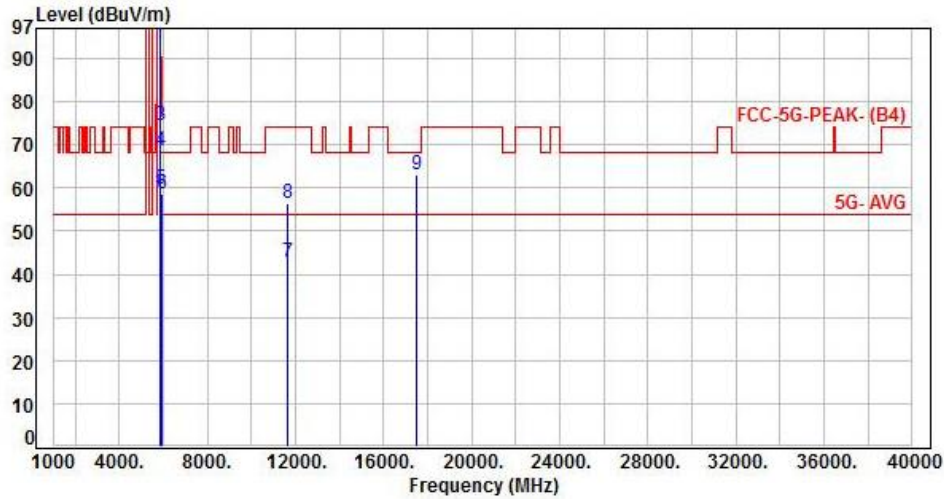


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5825.00	5.34	90.78	96.12	200.00	-103.88	Average	334	265	P
2	5825.00	5.34	99.91	105.25	200.00	-94.75	Peak	334	265	P
3	5850.00	5.41	72.82	78.23	122.20	-43.97	Peak	334	265	P
4	5855.00	5.42	66.12	71.54	110.80	-39.26	Peak	334	265	P
5	5875.00	5.46	56.53	61.99	105.20	-43.21	Peak	334	265	P
6	5925.00	5.59	53.38	58.97	68.20	-9.23	Peak	334	265	P
7	11650.00	13.63	28.80	42.43	54.00	-11.57	Average	100	104	P
8	11650.00	13.63	42.86	56.49	74.00	-17.51	Peak	100	104	P
9	17475.00	20.17	42.63	62.80	68.20	-5.40	Peak	100	185	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		:



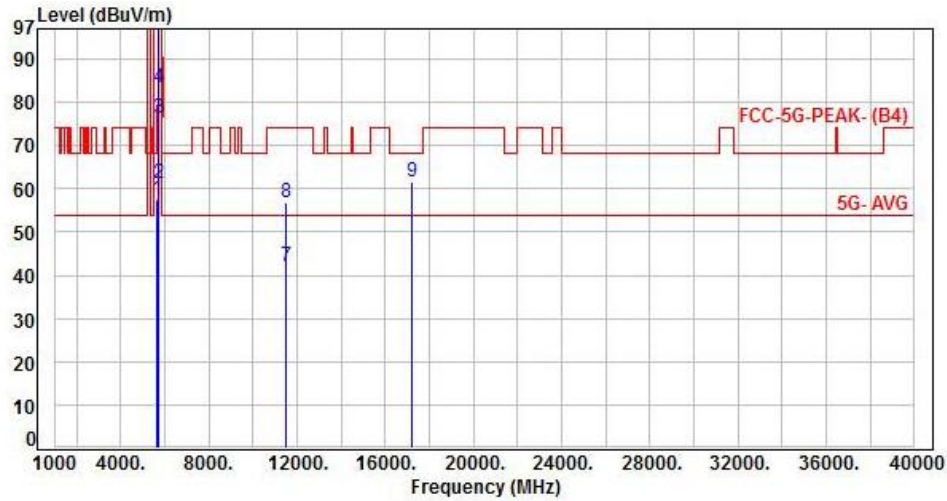
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5825.00	5.34	87.90	93.24	200.00	-106.76	Average	390	82	P
2	5825.00	5.34	97.06	102.40	200.00	-97.60	Peak	390	82	P
3	5850.00	5.41	69.04	74.45	122.20	-47.75	Peak	390	82	P
4	5855.00	5.42	63.21	68.63	110.80	-42.17	Peak	390	82	P
5	5875.00	5.46	54.38	59.84	105.20	-45.36	Peak	390	82	P
6	5925.00	5.59	53.17	58.76	68.20	-9.44	Peak	390	82	P
7	11650.00	13.63	29.21	42.84	54.00	-11.16	Average	100	264	P
8	11650.00	13.63	42.66	56.29	74.00	-17.71	Peak	100	264	P
9	17475.00	20.17	42.87	63.04	68.20	-5.16	Peak	100	149	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		:

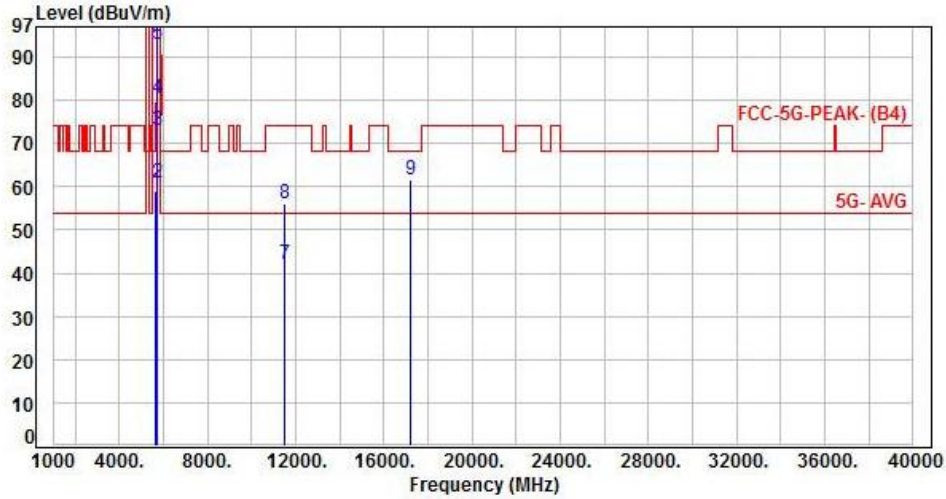


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	5.19	52.44	57.63	68.20	-10.57	Peak	397	265	P
2	5700.00	5.22	56.06	61.28	105.20	-43.92	Peak	397	265	P
3	5720.00	5.27	71.09	76.36	110.80	-34.44	Peak	397	265	P
4	5725.00	5.29	77.95	83.24	122.20	-38.96	Peak	397	265	P
5	5745.00	5.34	90.92	96.26	200.00	-103.74	Average	397	265	P
6	5745.00	5.34	100.73	106.07	200.00	-93.93	Peak	397	265	P
7	11490.00	13.28	28.72	42.00	54.00	-12.00	Average	100	107	P
8	11490.00	13.28	43.33	56.61	74.00	-17.39	Peak	100	107	P
9	17235.00	18.66	42.94	61.60	68.20	-6.60	Peak	100	182	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		:

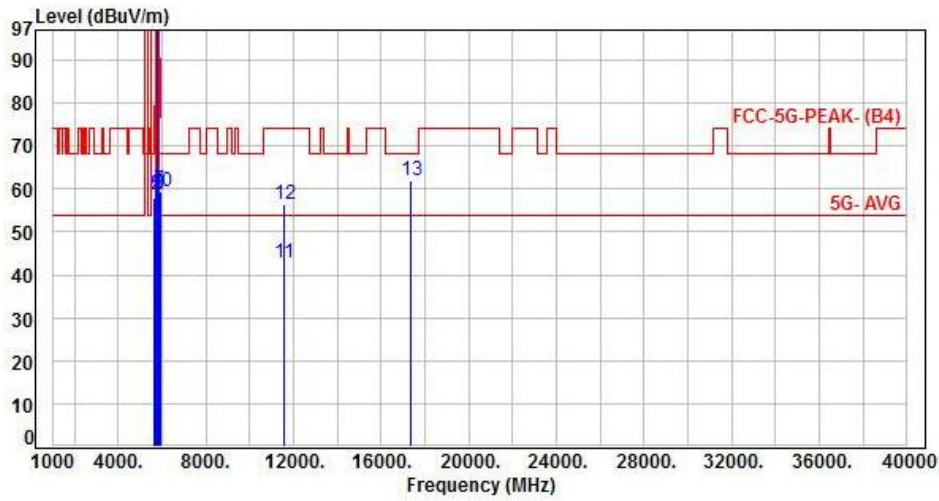


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	5.19	53.86	59.05	68.20	-9.15	Peak	399	86	P
2	5700.00	5.22	55.55	60.77	105.20	-44.43	Peak	399	86	P
3	5720.00	5.27	67.84	73.11	110.80	-37.69	Peak	399	86	P
4	5725.00	5.29	75.09	80.38	122.20	-41.82	Peak	399	86	P
5	5745.00	5.34	87.51	92.85	200.00	-107.15	Average	399	86	P
6	5745.00	5.34	97.30	102.64	200.00	-97.36	Peak	399	86	P
7	11490.00	13.28	28.73	42.01	54.00	-11.99	Average	100	262	P
8	11490.00	13.28	42.84	56.12	74.00	-17.88	Peak	100	262	P
9	17235.00	18.66	43.04	61.70	68.20	-6.50	Peak	100	146	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		:

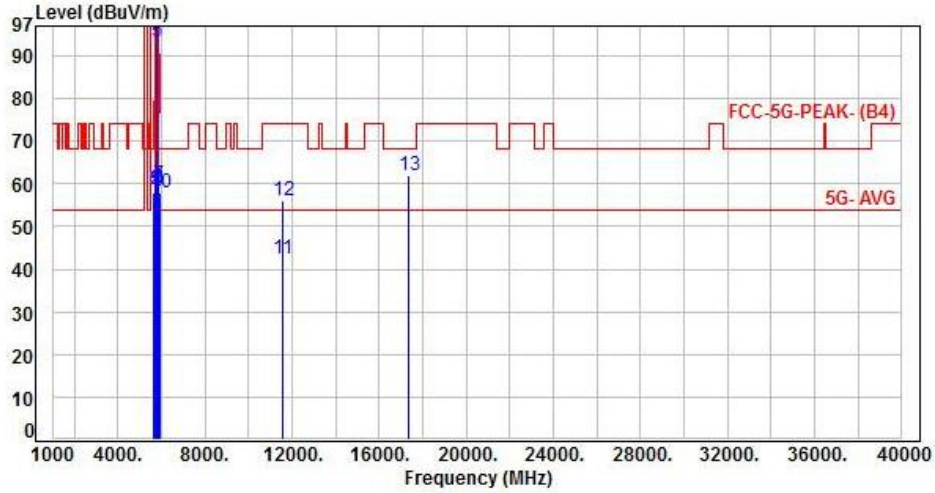


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	5.19	52.86	58.05	68.20	-10.15	Peak	354	277	P
2	5700.00	5.22	53.46	58.68	105.20	-46.52	Peak	354	277	P
3	5720.00	5.27	53.29	58.56	110.80	-52.24	Peak	354	277	P
4	5725.00	5.29	54.32	59.61	122.20	-62.59	Peak	354	277	P
5	5785.00	5.30	90.33	95.63	200.00	-104.37	Average	354	277	P
6	5785.00	5.30	100.32	105.62	200.00	-94.38	Peak	354	277	P
7	5850.00	5.41	54.19	59.60	122.20	-62.60	Peak	354	277	P
8	5855.00	5.42	53.09	58.51	110.80	-52.29	Peak	354	277	P
9	5875.00	5.46	53.48	58.94	105.20	-46.26	Peak	354	277	P
10	5925.00	5.59	53.79	59.38	68.20	-8.82	Peak	354	277	P
11	11570.00	13.50	29.26	42.76	54.00	-11.24	Average	100	111	P
12	11570.00	13.50	42.83	56.33	74.00	-17.67	Peak	100	111	P
13	17355.00	19.26	42.76	62.02	68.20	-6.18	Peak	100	111	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		:



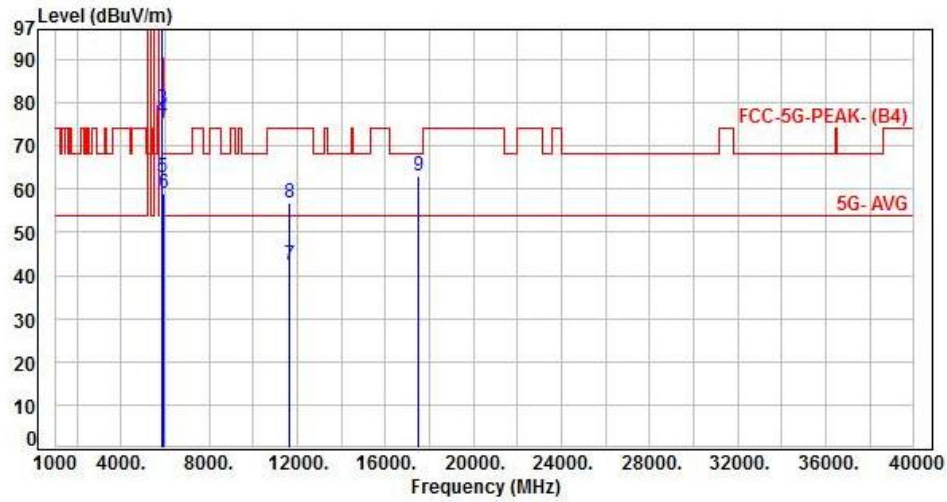
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	5.19	52.60	57.79	68.20	-10.41	Peak	328	84	P
2	5700.00	5.22	53.54	58.76	105.20	-46.44	Peak	328	84	P
3	5720.00	5.27	53.49	58.76	110.80	-52.04	Peak	328	84	P
4	5725.00	5.29	54.25	59.54	122.20	-62.66	Peak	328	84	P
5	5785.00	5.30	87.93	93.23	200.00	-106.77	Average	328	84	P
6	5785.00	5.30	94.63	99.93	200.00	-100.07	Peak	328	84	P
7	5850.00	5.41	54.33	59.74	122.20	-62.46	Peak	328	84	P
8	5855.00	5.42	53.63	59.05	110.80	-51.75	Peak	328	84	P
9	5875.00	5.46	52.98	58.44	105.20	-46.76	Peak	328	84	P
10	5925.00	5.59	52.37	57.96	68.20	-10.24	Peak	328	84	P
11	11570.00	13.50	28.92	42.42	54.00	-11.58	Average	100	264	P
12	11570.00	13.50	42.74	56.24	74.00	-17.76	Peak	100	264	P
13	17355.00	19.26	42.74	62.00	68.20	-6.20	Peak	100	144	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		:



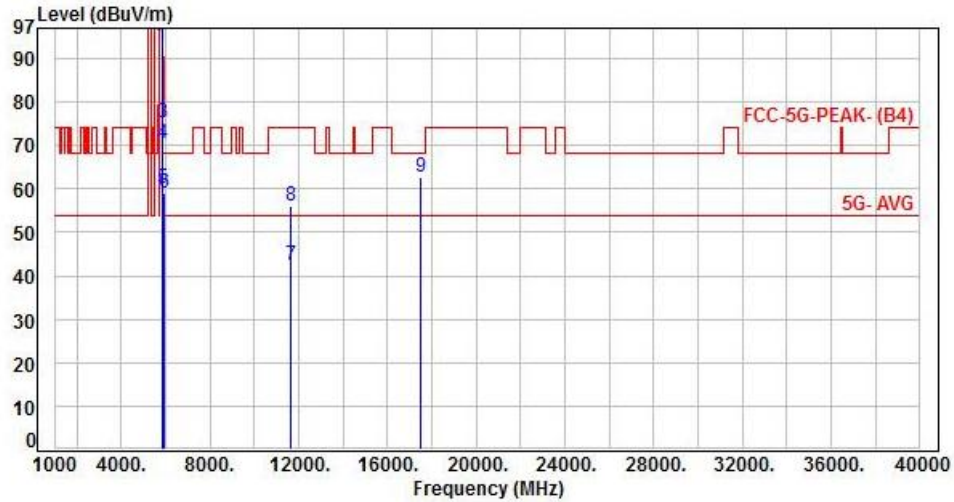
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5825.00	5.34	90.72	96.06	200.00	-103.94	Average	363	274	P
2	5825.00	5.34	100.46	105.80	200.00	-94.20	Peak	363	274	P
3	5850.00	5.41	73.06	78.47	122.20	-43.73	Peak	363	274	P
4	5855.00	5.42	70.74	76.16	110.80	-34.64	Peak	363	274	P
5	5875.00	5.46	57.12	62.58	105.20	-42.62	Peak	363	274	P
6	5925.00	5.59	53.26	58.85	68.20	-9.35	Peak	363	274	P
7	11650.00	13.63	28.78	42.41	54.00	-11.59	Average	100	106	P
8	11650.00	13.63	43.27	56.90	74.00	-17.10	Peak	100	106	P
9	17475.00	20.17	42.95	63.12	68.20	-5.08	Peak	100	184	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		:

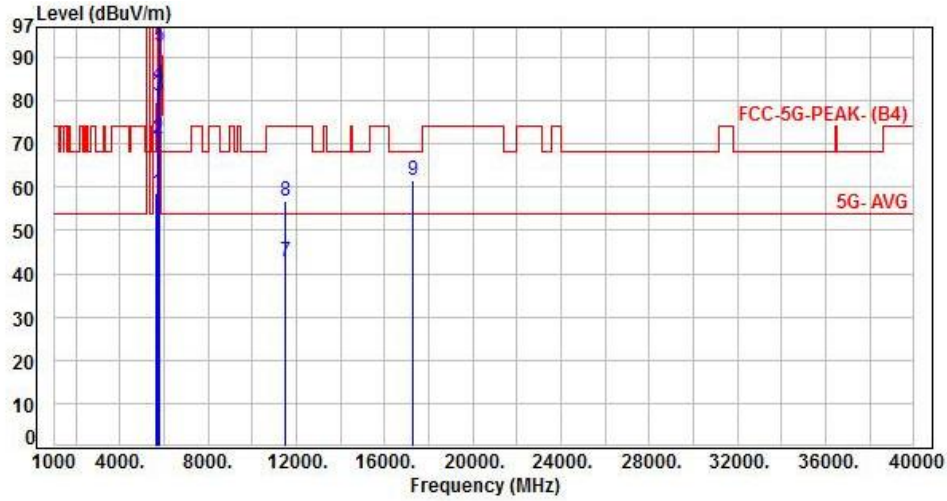


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5825.00	5.34	87.72	93.06	200.00	-106.94	Average	352	82	P
2	5825.00	5.34	97.51	102.85	200.00	-97.15	Peak	352	82	P
3	5850.00	5.41	69.69	75.10	122.20	-47.10	Peak	352	82	P
4	5855.00	5.42	65.05	70.47	110.80	-40.33	Peak	352	82	P
5	5875.00	5.46	54.48	59.94	105.20	-45.26	Peak	352	82	P
6	5925.00	5.59	53.25	58.84	68.20	-9.36	Peak	352	82	P
7	11650.00	13.63	28.85	42.48	54.00	-11.52	Average	100	264	P
8	11650.00	13.63	42.58	56.21	74.00	-17.79	Peak	100	264	P
9	17475.00	20.17	42.48	62.65	68.20	-5.55	Peak	100	148	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		:

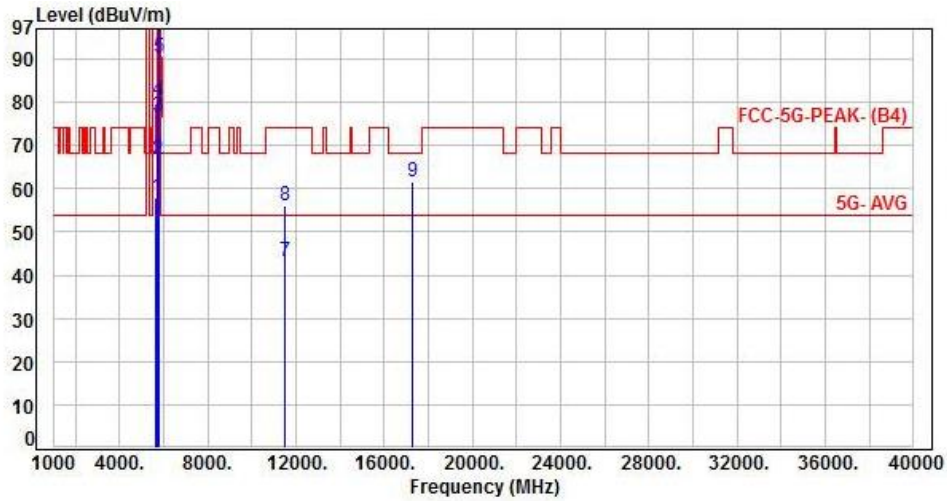


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	5.19	53.30	58.49	68.20	-9.71	Peak	264	276	P
2	5700.00	5.22	66.03	71.25	105.20	-33.95	Peak	264	276	P
3	5720.00	5.27	75.80	81.07	110.80	-29.73	Peak	264	276	P
4	5725.00	5.29	78.36	83.65	122.20	-38.55	Peak	264	276	P
5	5755.00	5.34	87.17	92.51	200.00	-107.49	Average	264	276	P
6	5755.00	5.34	97.25	102.59	200.00	-97.41	Peak	264	276	P
7	11510.00	13.32	29.48	42.80	54.00	-11.20	Average	100	108	P
8	11510.00	13.32	43.43	56.75	74.00	-17.25	Peak	100	108	P
9	17265.00	18.82	42.88	61.70	68.20	-6.50	Peak	100	189	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		:

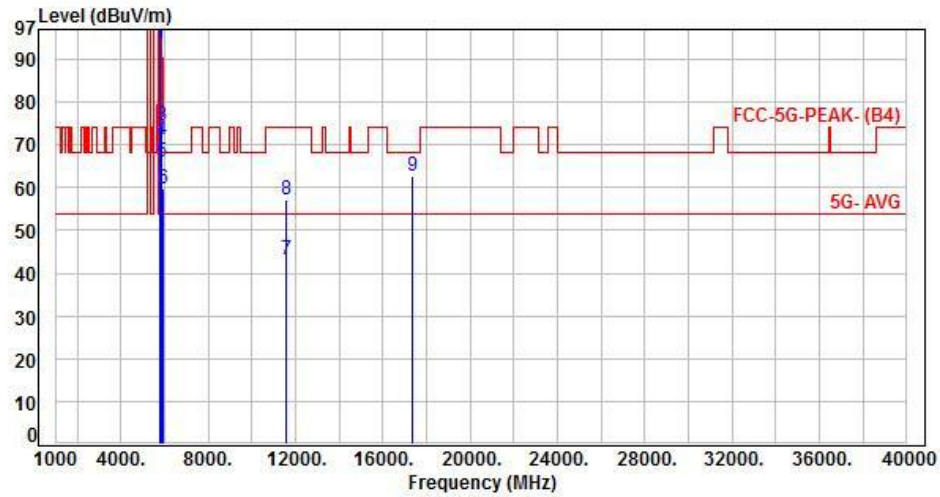


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	5.19	52.77	57.96	68.20	-10.24	Peak	353	87	P
2	5700.00	5.22	61.67	66.89	105.20	-38.31	Peak	353	87	P
3	5720.00	5.27	71.34	76.61	110.80	-34.19	Peak	353	87	P
4	5725.00	5.29	75.13	80.42	122.20	-41.78	Peak	353	87	P
5	5755.00	5.34	84.88	90.22	200.00	-109.78	Average	353	87	P
6	5755.00	5.34	94.28	99.62	200.00	-100.38	Peak	353	87	P
7	11510.00	13.32	29.65	42.97	54.00	-11.03	Average	100	268	P
8	11510.00	13.32	42.70	56.02	74.00	-17.98	Peak	100	268	P
9	17265.00	18.82	42.84	61.66	68.20	-6.54	Peak	100	148	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		

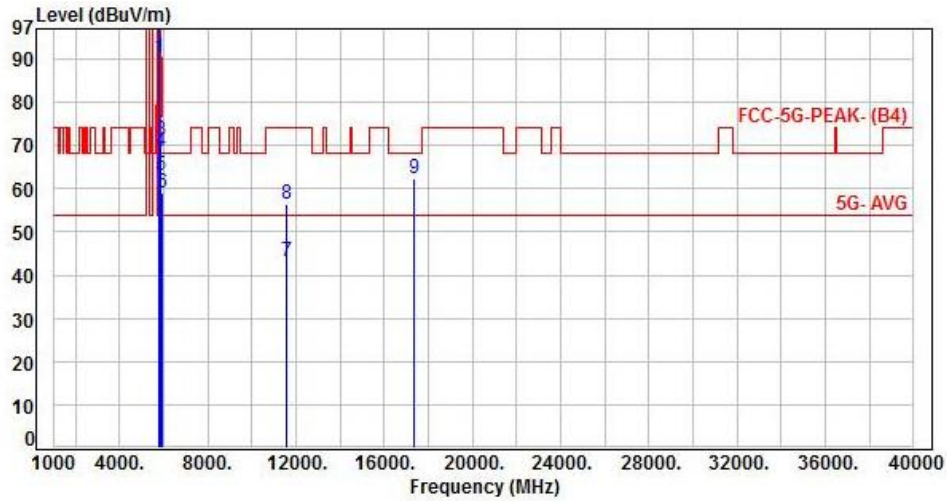


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5795.00	5.29	88.21	93.50	200.00	-106.50	Average	338	264	P
2	5795.00	5.29	98.10	103.39	200.00	-96.61	Peak	338	264	P
3	5850.00	5.41	69.05	74.46	122.20	-47.74	Peak	338	264	P
4	5855.00	5.42	65.92	71.34	110.80	-39.46	Peak	338	264	P
5	5875.00	5.46	60.71	66.17	105.20	-39.03	Peak	338	264	P
6	5925.00	5.59	54.23	59.82	68.20	-8.38	Peak	338	264	P
7	11590.00	13.55	29.67	43.22	54.00	-10.78	Average	100	106	P
8	11590.00	13.55	43.44	56.99	74.00	-17.01	Peak	100	106	P
9	17385.00	19.39	43.28	62.67	68.20	-5.53	Peak	100	189	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		:



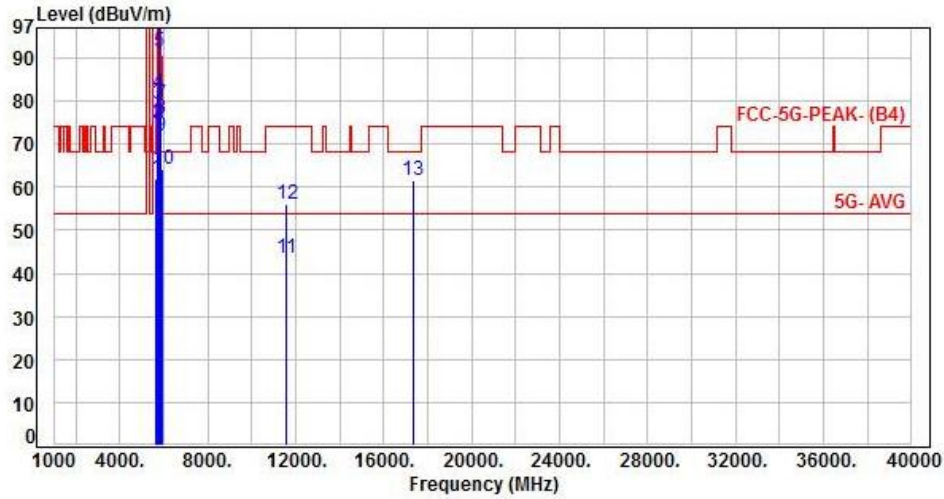
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5795.00	5.29	85.02	90.31	200.00	-109.69	Average	379	90	P
2	5795.00	5.29	94.60	99.89	200.00	-100.11	Peak	379	90	P
3	5850.00	5.41	65.73	71.14	122.20	-51.06	Peak	379	90	P
4	5855.00	5.42	63.19	68.61	110.80	-42.19	Peak	379	90	P
5	5875.00	5.46	57.78	63.24	105.20	-41.96	Peak	379	90	P
6	5925.00	5.59	53.35	58.94	68.20	-9.26	Peak	379	90	P
7	11590.00	13.55	29.55	43.10	54.00	-10.90	Average	100	265	P
8	11590.00	13.55	42.98	56.53	74.00	-17.47	Peak	100	265	P
9	17385.00	19.39	43.11	62.50	68.20	-5.70	Peak	100	144	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		:

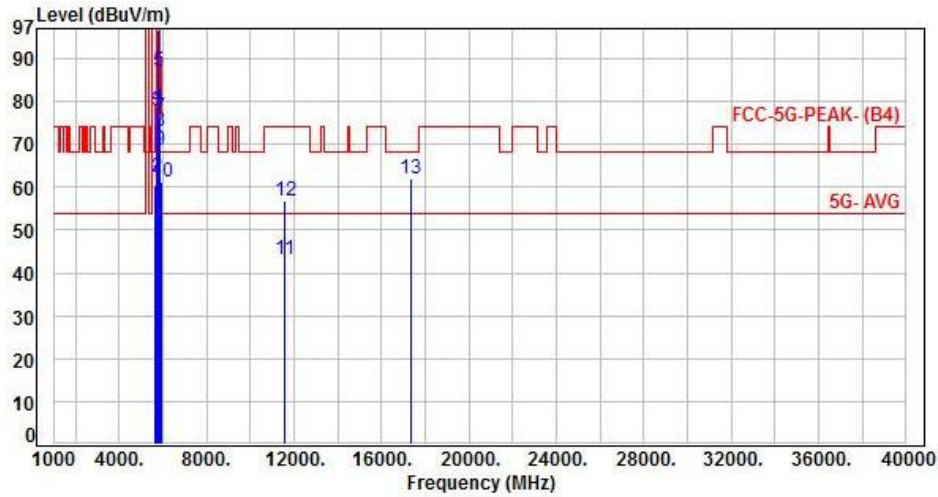


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	5.19	56.95	62.14	68.20	-6.06	Peak	394	262	P
2	5700.00	5.22	69.81	75.03	105.20	-30.17	Peak	394	262	P
3	5720.00	5.27	74.07	79.34	110.80	-31.46	Peak	394	262	P
4	5725.00	5.29	76.51	81.80	122.20	-40.40	Peak	394	262	P
5	5775.00	5.31	86.09	91.40	200.00	-108.60	Average	394	262	P
6	5775.00	5.31	96.18	101.49	200.00	-98.51	Peak	394	262	P
7	5850.00	5.41	73.80	79.21	122.20	-42.99	Peak	394	262	P
8	5855.00	5.42	70.65	76.07	110.80	-34.73	Peak	394	262	P
9	5875.00	5.46	66.32	71.78	105.20	-33.42	Peak	394	262	P
10	5925.00	5.59	58.45	64.04	68.20	-4.16	Peak	394	262	P
11	11550.00	13.44	30.13	43.57	54.00	-10.43	Average	100	107	P
12	11550.00	13.44	42.59	56.03	74.00	-17.97	Peak	100	107	P
13	17325.00	19.12	42.61	61.73	68.20	-6.47	Peak	100	184	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	5.19	55.18	60.37	68.20	-7.83	Peak	277	80	P
2	5700.00	5.22	57.09	62.31	105.20	-42.89	Peak	277	80	P
3	5720.00	5.27	72.59	77.86	110.80	-32.94	Peak	277	80	P
4	5725.00	5.29	73.22	78.51	122.20	-43.69	Peak	277	80	P
5	5775.00	5.31	81.70	87.01	200.00	-112.99	Average	277	80	P
6	5775.00	5.31	91.41	96.72	200.00	-103.28	Peak	277	80	P
7	5850.00	5.41	71.04	76.45	122.20	-45.75	Peak	277	80	P
8	5855.00	5.42	67.44	72.86	110.80	-37.94	Peak	277	80	P
9	5875.00	5.46	63.18	68.64	105.20	-36.56	Peak	277	80	P
10	5925.00	5.59	55.59	61.18	68.20	-7.02	Peak	277	80	P
11	11550.00	13.44	29.89	43.33	54.00	-10.67	Average	100	271	P
12	11550.00	13.44	43.21	56.65	74.00	-17.35	Peak	100	271	P
13	17325.00	19.12	42.88	62.00	68.20	-6.20	Peak	100	148	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

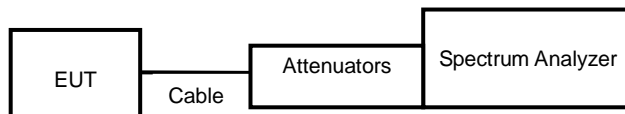
### 7.1. Test Limit

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	1.40	1.50	93.33%
802.11ac VHT20	1.31	1.41	92.83%
802.11ac VHT40	0.65	0.76	85.72%
802.11ac VHT80	0.33	0.43	76.69%

### 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

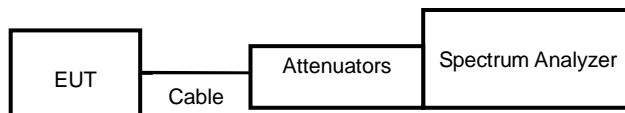
FCC §15.407

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

In the 5.8G Band

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth(MHz)	Minimum Limit (MHz)
			ANT A	
11a	149	5745	15.42	0.50
11a	157	5785	15.42	0.50
11a	165	5825	15.42	0.50
11ac VHT20	149	5745	16.32	0.50
11ac VHT20	157	5785	16.89	0.50
11ac VHT20	165	5825	15.69	0.50
11ac VHT40	151	5755	35.16	0.50
11ac VHT40	159	5795	35.40	0.50
11ac VHT80	155	5775	75.12	0.50

In the 5.8G Band

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	149	5745	21.92
11a	157	5785	21.99
11a	165	5825	21.76
11ac VHT20	149	5745	22.21
11ac VHT20	157	5785	21.67
11ac VHT20	165	5825	21.63
11ac VHT40	151	5755	46.46
11ac VHT40	159	5795	46.49
11ac VHT80	155	5775	86.24



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

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



CH157

CH157



CH165

CH165





6dB Bandwidth

Modulation Type: 802.11ac, VHT40 (13.5Mbps)  
CH151



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



CH159





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

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



CH157

CH157



CH165

CH165







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

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



CH159





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

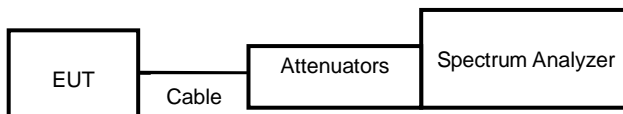
### 9.1. Test Limit

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**

In the 5.2G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT A
11a	36	5180	31.97
11a	40	5200	36.87
11a	48	5240	34.12
11ac VHT20	36	5180	34.43
11ac VHT20	40	5200	42.99
11ac VHT20	48	5240	37.73
11ac VHT40	38	5190	63.5
11ac VHT40	46	5230	81.83
11ac VHT80	42	5210	91.5

In the 5.3G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT A
11a	52	5260	37.94
11a	60	5300	37.78
11a	64	5320	38.47
11ac VHT20	52	5260	42.06
11ac VHT20	60	5300	42.3
11ac VHT20	64	5320	42.33
11ac VHT40	54	5270	90.6
11ac VHT40	62	5310	98.12
11ac VHT80	58	5290	159.4

In the 5.5G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT A
11a	100	5500	37.86
11a	120	5600	37.06
11a	140	5700	37.27
11ac VHT20	100	5500	44.76
11ac VHT20	120	5600	40.54
11ac VHT20	140	5700	43
11ac VHT40	102	5510	96.96
11ac VHT40	118	5590	97.82
11ac VHT40	134	5670	95.26
11ac VHT80	106	5530	159.5
11ac VHT80	122	5610	158.5



In the 5.2G Band

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	36	5180	18.13
11a	40	5200	20.70
11a	48	5240	19.96
11ac VHT20	36	5180	18.63
11ac VHT20	40	5200	22.56
11ac VHT20	48	5240	19.87
11ac VHT40	38	5190	36.92
11ac VHT40	46	5230	39.34
11ac VHT80	42	5210	75.36

In the 5.3G Band

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	52	5260	22.69
11a	60	5300	22.73
11a	64	5320	22.74
11ac VHT20	52	5260	22.37
11ac VHT20	60	5300	22.11
11ac VHT20	64	5320	22.32
11ac VHT40	54	5270	45.06
11ac VHT40	62	5310	46.32
11ac VHT80	58	5290	89.06

In the 5.5G Band

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	100	5500	22.70
11a	120	5600	22.29
11a	140	5700	22.21
11ac VHT20	100	5500	23.35
11ac VHT20	120	5600	21.56
11ac VHT20	140	5700	22.62
11ac VHT40	102	5510	47.98
11ac VHT40	118	5590	47.94
11ac VHT40	134	5670	47.07
11ac VHT80	106	5530	94.22
11ac VHT80	122	5610	91.05



26dB Bandwidth Band 1  
Modulation Type: 802.11a (6Mbps)  
CH36

802.11ac VHT20 (6.5Mbps)  
CH36



CH40

CH40



CH48

CH48







26dB Bandwidth Band 1

Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH38

Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH42



CH46





26dB Bandwidth Band 2  
Modulation Type: 802.11a (6Mbps)  
CH52

802.11ac VHT20 (6.5Mbps)  
CH52



CH60

CH60



CH64

CH64





26dB Bandwidth Band 2

Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH54

Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH58



CH62





26dB Bandwidth Band 3  
Modulation Type: 802.11a (6Mbps)  
CH100

802.11ac VHT20 (6.5Mbps)  
CH100



CH120

CH120



CH140

CH140





26dB Bandwidth Band 3

Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH102

Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH102



CH118

CH122



CH134







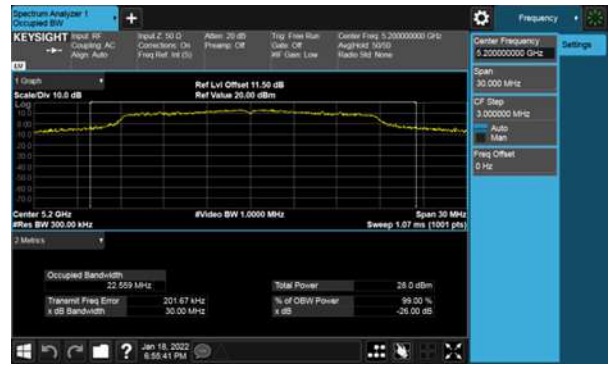
99% Bandwidth Band 1  
Modulation Type: 802.11a (6Mbps)  
CH36

802.11ac VHT20 (6.5Mbps)  
CH36



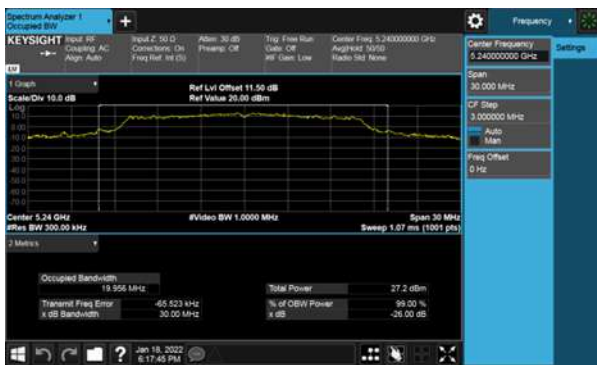
CH40

CH40



CH48

CH48





99% Bandwidth Band 1

Modulation Type: 802.11ac VHT40 (13.5Mbps) CH38

Modulation Type: 802.11ac VHT80 (29.3Mbps) CH42



CH46





99% Bandwidth Band 2  
Modulation Type: 802.11a (6Mbps)  
CH52

802.11ac VHT20 (6.5Mbps)  
CH52



CH60

CH60



CH64

CH64





99% Bandwidth Band 2

Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH54

Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH58



CH62





99% Bandwidth Band 3  
Modulation Type: 802.11a (6Mbps)  
CH100

802.11ac VHT20 (6.5Mbps)  
CH100



CH120

CH120



CH140

CH140







99% Bandwidth Band 3

Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH102

Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH102



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	

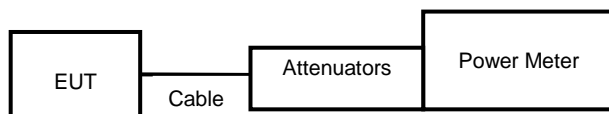
### 10.2. Test Procedure

According to the methods defined in ANSI C63.10-2013 Section 12.3

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			
11a	6 Mbps	69	36	5180	18.92	18.92	77.983	24.00
11a	6 Mbps	68	40	5200	18.82	18.82	76.208	24.00
11a	6 Mbps	69	48	5240	18.94	18.94	78.343	24.00
11n HT20	MCS 0	70	36	5180	18.93	18.93	78.163	24.00
11n HT20	MCS 0	70	40	5200	18.91	18.91	77.804	24.00
11n HT20	MCS 0	70	48	5240	18.82	18.82	76.208	24.00
11n HT40	MCS 0	68	38	5190	17.52	17.52	56.494	24.00
11n HT40	MCS 0	74	46	5230	18.79	18.79	75.683	24.00
11ac VHT20	NSS1-MCS0	70	36	5180	18.95	18.95	78.524	24.00
11ac VHT20	NSS1-MCS0	70	40	5200	18.98	18.98	79.068	24.00
11ac VHT20	NSS1-MCS0	70	48	5240	18.84	18.84	76.560	24.00
11ac VHT40	NSS1-MCS0	68	38	5190	17.54	17.54	56.754	24.00
11ac VHT40	NSS1-MCS0	74	46	5230	18.81	18.81	76.033	24.00
11ac VHT80	NSS1-MCS0	62	42	5210	16.31	16.31	42.756	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			
11a	6 Mbps	69	52	5260	18.80	18.80	75.858	24.00
11a	6 Mbps	70	60	5300	18.90	18.90	77.625	24.00
11a	6 Mbps	70	64	5320	18.85	18.85	76.736	24.00
11n HT20	MCS 0	70	52	5260	18.73	18.73	74.645	24.00
11n HT20	MCS 0	70	60	5300	18.67	18.67	73.621	24.00
11n HT20	MCS 0	71	64	5320	18.96	18.96	78.705	24.00
11n HT40	MCS 0	70	54	5270	18.84	18.84	76.560	24.00
11n HT40	MCS 0	64	62	5310	16.90	16.90	48.978	24.00
11ac VHT20	NSS1-MCS0	70	52	5260	18.75	18.75	74.989	24.00
11ac VHT20	NSS1-MCS0	70	60	5300	18.69	18.69	73.961	24.00
11ac VHT20	NSS1-MCS0	71	64	5320	18.97	18.97	78.886	24.00
11ac VHT40	NSS1-MCS0	70	54	5270	18.86	18.86	76.913	24.00
11ac VHT40	NSS1-MCS0	64	62	5310	16.92	16.92	49.204	24.00
11ac VHT80	NSS1-MCS0	62	58	5290	16.29	16.29	42.560	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			
11a	6 Mbps	71	100	5500	18.64	18.64	73.114	24.00
11a	6 Mbps	73	120	5600	18.86	18.86	76.913	24.00
11a	6 Mbps	72	140	5700	17.98	17.98	62.806	24.00
11n HT20	MCS 0	72	100	5500	18.70	18.70	74.131	24.00
11n HT20	MCS 0	73	120	5600	18.71	18.71	74.302	24.00
11n HT20	MCS 0	72	140	5700	17.84	17.84	60.814	24.00
11n HT40	MCS 0	68	102	5510	17.85	17.85	60.954	24.00
11n HT40	MCS 0	72	118	5590	18.91	18.91	77.804	24.00
11n HT40	MCS 0	74	134	5670	18.80	18.80	75.858	24.00
11ac VHT20	NSS1-MCS0	72	100	5500	18.72	18.72	74.473	24.00
11ac VHT20	NSS1-MCS0	73	120	5600	18.73	18.73	74.645	24.00
11ac VHT20	NSS1-MCS0	72	140	5700	17.86	17.86	61.094	24.00
11ac VHT40	NSS1-MCS0	68	102	5510	17.87	17.87	61.235	24.00
11ac VHT40	NSS1-MCS0	72	118	5590	18.93	18.93	78.163	24.00
11ac VHT40	NSS1-MCS0	74	134	5670	18.82	18.82	76.208	24.00
11ac VHT80	NSS1-MCS0	70	106	5530	18.04	18.04	63.680	24.00
11ac VHT80	NSS1-MCS0	74	122	5610	18.88	18.88	77.268	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			
11a	6 Mbps	74	149	5745	18.69	18.69	73.961	30.00
11a	6 Mbps	75	157	5785	18.75	18.75	74.989	30.00
11a	6 Mbps	75	165	5825	18.73	18.73	74.645	30.00
11n HT20	MCS 0	75	149	5745	18.78	18.78	75.509	30.00
11n HT20	MCS 0	75	157	5785	18.93	18.93	78.163	30.00
11n HT20	MCS 0	76	165	5825	18.92	18.92	77.983	30.00
11n HT40	MCS 0	74	151	5755	18.87	18.87	77.090	30.00
11n HT40	MCS 0	74	159	5795	18.77	18.77	75.336	30.00
11ac VHT20	NSS1-MCS0	75	149	5745	18.80	18.80	75.858	30.00
11ac VHT20	NSS1-MCS0	75	157	5785	18.95	18.95	78.524	30.00
11ac VHT20	NSS1-MCS0	76	165	5825	18.94	18.94	78.343	30.00
11ac VHT40	NSS1-MCS0	74	151	5755	18.89	18.89	77.446	30.00
11ac VHT40	NSS1-MCS0	74	159	5795	18.79	18.79	75.683	30.00
11ac VHT80	NSS1-MCS0	75	155	5775	18.81	18.81	76.033	30.00



## 11. Power Spectral Density

### 11.1. Test Limit

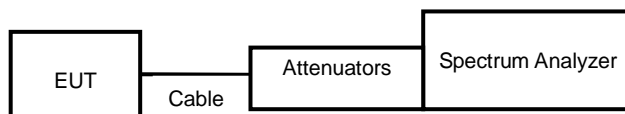
**PSD:**

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				
11a	36	5180	9.58	9.58	0.30	9.88	11.00
11a	40	5200	9.35	9.35	0.30	9.65	11.00
11a	48	5240	9.47	9.47	0.30	9.77	11.00
11ac VHT20	36	5180	9.34	9.34	0.32	9.66	11.00
11ac VHT20	40	5200	9.22	9.22	0.32	9.54	11.00
11ac VHT20	48	5240	9.16	9.16	0.32	9.48	11.00
11ac VHT40	38	5190	4.52	4.52	0.67	5.19	11.00
11ac VHT40	46	5230	7.36	7.36	0.67	8.03	11.00
11ac VHT80	42	5210	-1.21	-1.21	1.15	-0.06	11.00

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				
11a	52	5260	9.56	9.56	0.30	9.86	11.00
11a	60	5300	9.65	9.65	0.30	9.95	11.00
11a	64	5320	9.54	9.54	0.30	9.84	11.00
11ac VHT20	52	5260	9.04	9.04	0.32	9.36	11.00
11ac VHT20	60	5300	9.15	9.15	0.32	9.47	11.00
11ac VHT20	64	5320	9.28	9.28	0.32	9.60	11.00
11ac VHT40	54	5270	6.14	6.14	0.67	6.81	11.00
11ac VHT40	62	5310	4.06	4.06	0.67	4.73	11.00
11ac VHT80	58	5290	0.24	0.24	1.15	1.39	11.00

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				
11a	100	5500	9.39	9.39	0.30	9.69	11.00
11a	120	5600	9.43	9.43	0.30	9.73	11.00
11a	140	5700	8.31	8.31	0.30	8.61	11.00
11ac VHT20	100	5500	8.97	8.97	0.32	9.29	11.00
11ac VHT20	120	5600	8.76	8.76	0.32	9.08	11.00
11ac VHT20	140	5700	8.06	8.06	0.32	8.38	11.00
11ac VHT40	102	5510	4.88	4.88	0.67	5.55	11.00
11ac VHT40	118	5590	5.87	5.87	0.67	6.54	11.00
11ac VHT40	134	5670	5.97	5.97	0.67	6.64	11.00
11ac VHT80	106	5530	1.81	1.81	1.15	2.96	11.00
11ac VHT80	122	5610	2.72	2.72	1.15	3.87	11.00



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					
11a	149	5745	9.03	9.03	0.30	-3.01	6.32	30.00
11a	157	5785	9.07	9.07	0.30	-3.01	6.35	30.00
11a	165	5825	9.06	9.06	0.30	-3.01	6.34	30.00
11ac VHT20	149	5745	8.85	8.85	0.32	-3.01	6.15	30.00
11ac VHT20	157	5785	8.60	8.60	0.32	-3.01	5.91	30.00
11ac VHT20	165	5825	8.88	8.88	0.32	-3.01	6.19	30.00
11ac VHT40	151	5755	5.85	5.85	0.67	-3.01	3.51	30.00
11ac VHT40	159	5795	5.50	5.50	0.67	-3.01	3.16	30.00
11ac VHT80	155	5775	2.35	2.35	1.15	-3.01	0.49	30.00



Modulation Type: 802.11a (6Mbps)  
CH36



Modulation Type: 802.11ac VHT20 (6.5Mbps)  
CH36



CH40



CH40



CH48



CH48





Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH38

Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH42



CH46







Modulation Type: 802.11a (6Mbps)  
CH52



802.11ac VHT20 (6.5Mbps)  
CH52



CH60



CH60



CH64



CH64





Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH54



Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH58



CH62





Modulation Type: 802.11a (6Mbps)  
CH100



802.11ac VHT20 (6.5Mbps)  
CH100



CH120



CH120



CH140



CH140





Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH102



Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH106



CH118



CH122



CH134





Modulation Type: 802.11a (6Mbps)  
CH149



Modulation Type: 802.11ac VHT20 (6.5Mbps)  
CH149



CH157



CH157



CH165



CH165







Modulation Type: 802.11ac VHT40 (13.5Mbps)  
CH151

Modulation Type: 802.11ac VHT80 (29.3Mbps)  
CH155



CH159

