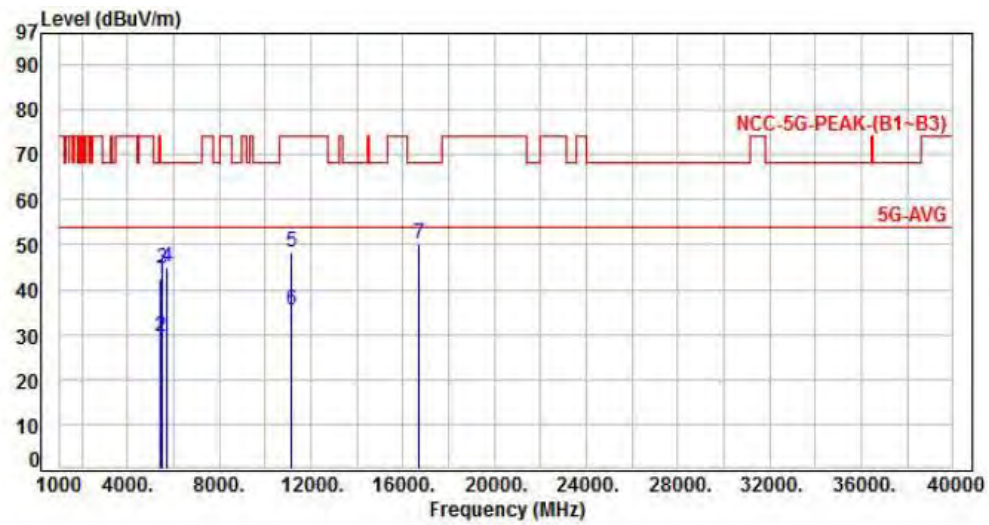




Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 3 CH116	Operation Mode	: TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	-24.53	66.82	42.29	74.00	-31.71	Peak	100	127	P
2	5460.00	-24.53	54.07	29.54	54.00	-24.46	Average	100	127	P
3	5470.00	-24.49	68.94	44.45	68.20	-23.75	Peak	100	204	P
4	5725.00	-24.11	69.22	45.11	68.20	-23.09	Peak	100	248	P
5	11160.00	-14.70	63.05	48.35	74.00	-25.65	Peak	100	148	P
6	11160.00	-14.70	49.94	35.24	54.00	-18.76	Average	100	148	P
7	16740.00	-9.39	59.54	50.15	68.20	-18.05	Peak	100	315	P

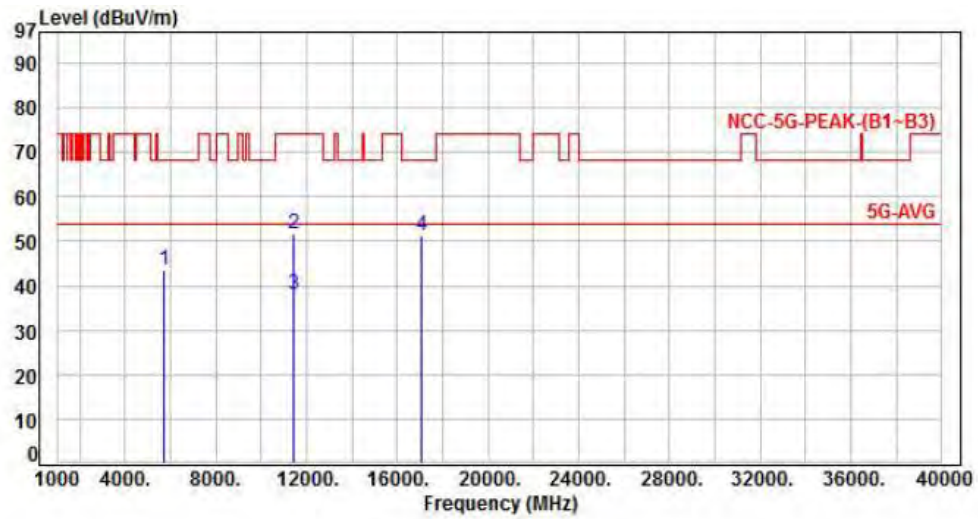
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, Band 3 CH140	Operation Mode	: TX

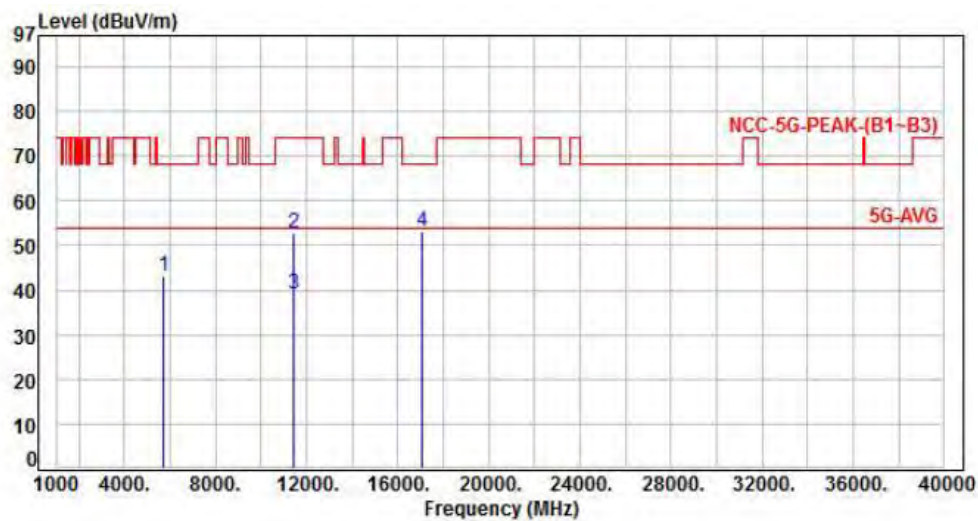


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5725.00	-24.11	67.57	43.46	68.20	-24.74	Peak	100	254	P
2	11400.00	-14.30	66.11	51.81	74.00	-22.19	Peak	100	240	P
3	11400.00	-14.30	52.44	38.14	54.00	-15.86	Average	100	240	P
4	17100.00	-8.67	60.05	51.38	68.20	-16.82	Peak	100	119	P

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



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 3 CH140	Operation Mode	: TX

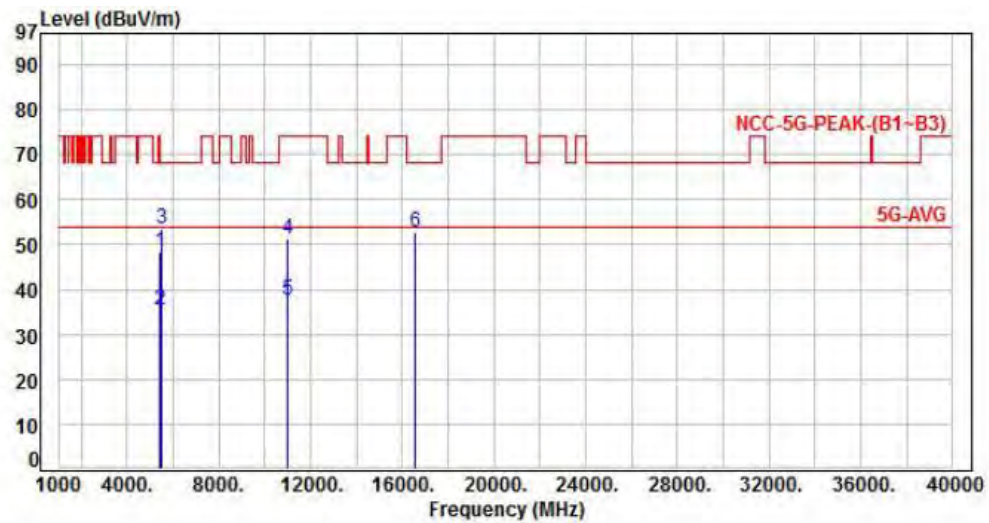


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5725.00	-24.11	67.39	43.28	68.20	-24.92	Peak	100	166	P
2	11400.00	-14.30	66.95	52.65	74.00	-21.35	Peak	100	297	P
3	11400.00	-14.30	53.47	39.17	54.00	-14.83	Average	100	297	P
4	17100.00	-8.67	61.79	53.12	68.20	-15.08	Peak	100	208	P

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



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, Band 3, CH102	Operation Mode	: TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	-24.53	72.77	48.24	74.00	-25.76	Peak	100	118	P
2	5460.00	-24.53	59.92	35.39	54.00	-18.61	Average	100	118	P
3	5470.00	-24.49	78.11	53.62	68.20	-14.58	Peak	100	274	P
4	11020.00	-14.50	65.79	51.29	74.00	-22.71	Peak	100	163	P
5	11020.00	-14.50	52.18	37.68	54.00	-16.32	Average	100	163	P
6	16530.00	-10.09	62.93	52.84	68.20	-15.36	Peak	100	109	P

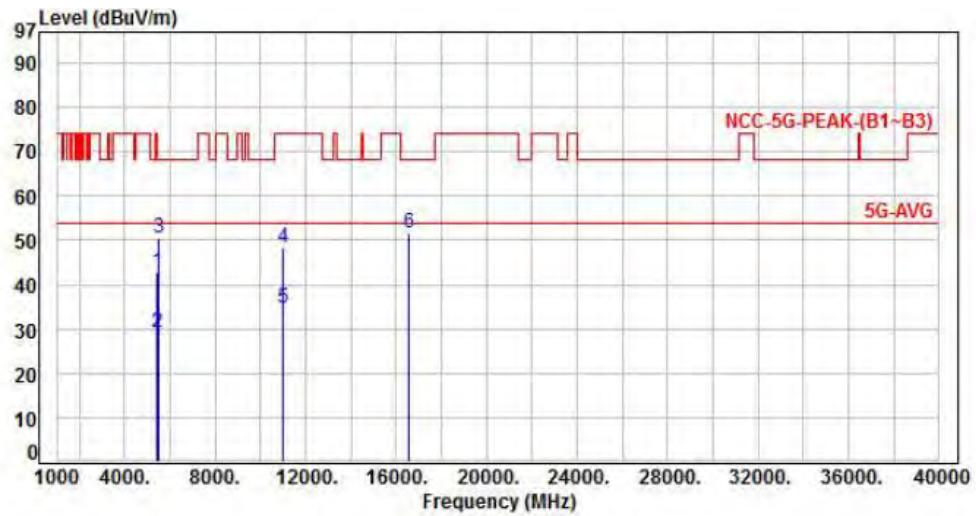
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, Band 3, CH102	Operation Mode	: TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	-24.53	67.41	42.88	74.00	-31.12	Peak	100	115	P
2	5460.00	-24.53	53.77	29.24	54.00	-24.76	Average	100	115	P
3	5470.00	-24.49	75.13	50.64	68.20	-17.56	Peak	100	188	P
4	11020.00	-14.50	62.98	48.48	74.00	-25.52	Peak	100	147	P
5	11020.00	-14.50	49.32	34.82	54.00	-19.18	Average	100	147	P
6	16530.00	-10.09	61.67	51.58	68.20	-16.62	Peak	100	316	P

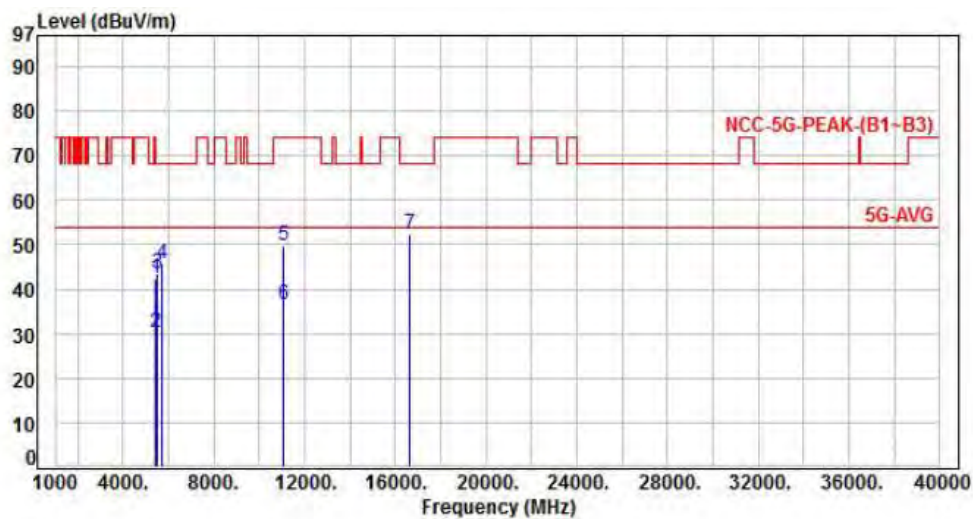
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, Band 3, CH110	Operation Mode	: TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	-24.53	67.12	42.59	74.00	-31.41	Peak	100	275	P
2	5460.00	-24.53	54.71	30.18	54.00	-23.82	Average	100	275	P
3	5470.00	-24.49	68.16	43.67	68.20	-24.53	Peak	100	218	P
4	5725.00	-24.11	69.79	45.68	68.20	-22.52	Peak	100	154	P
5	11100.00	-14.58	64.25	49.67	74.00	-24.33	Peak	100	244	P
6	11100.00	-14.58	51.12	36.54	54.00	-17.46	Average	100	244	P
7	16650.00	-10.05	62.38	52.33	68.20	-15.87	Peak	100	212	P

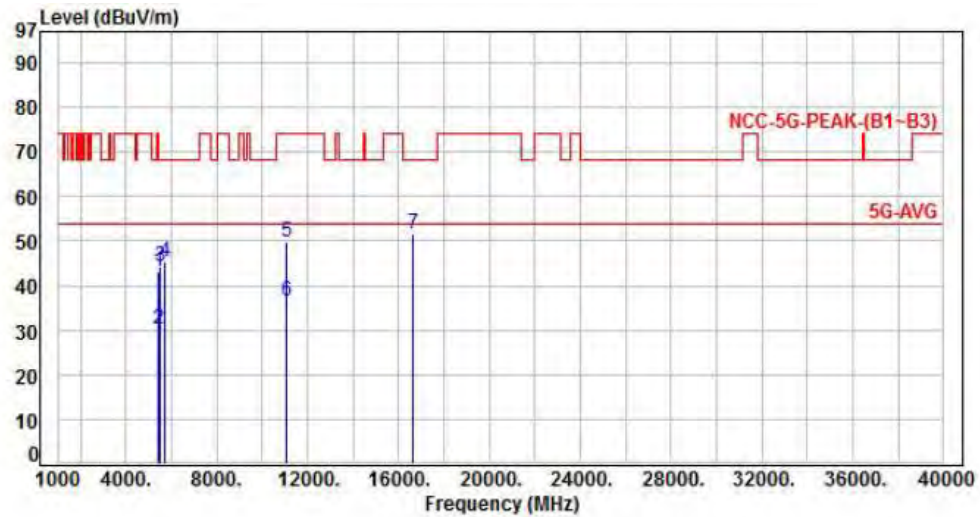
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, Band 3, CH110	Operation Mode	: TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	-24.53	67.78	43.25	74.00	-30.75	Peak	100	130	P
2	5460.00	-24.53	54.69	30.16	54.00	-23.84	Average	100	130	P
3	5470.00	-24.49	68.67	44.18	68.20	-24.02	Peak	100	162	P
4	5725.00	-24.11	69.65	45.54	68.20	-22.66	Peak	100	181	P
5	11100.00	-14.58	64.43	49.85	74.00	-24.15	Peak	100	201	P
6	11100.00	-14.58	51.26	36.68	54.00	-17.32	Average	100	201	P
7	16650.00	-10.05	61.64	51.59	68.20	-16.61	Peak	100	255	P

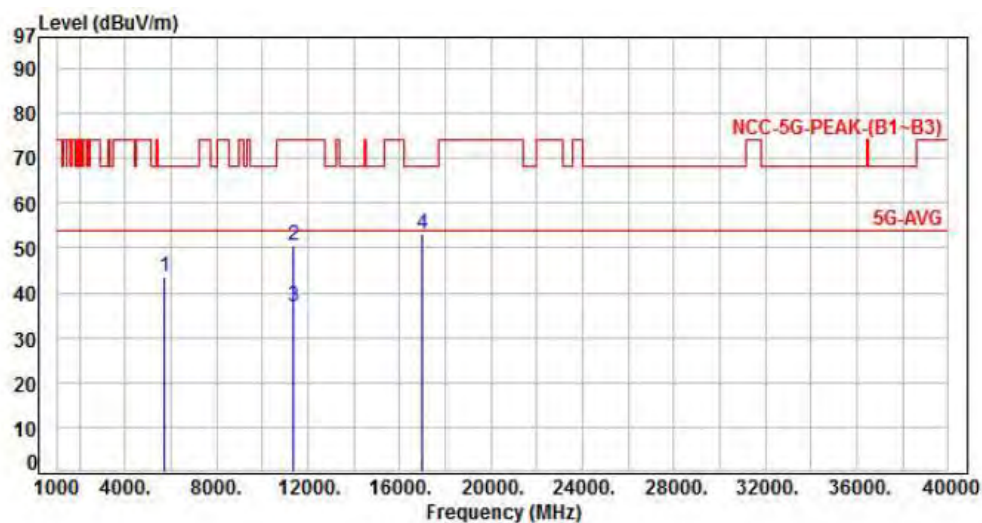
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, Band 3, CH134	Operation Mode	: TX

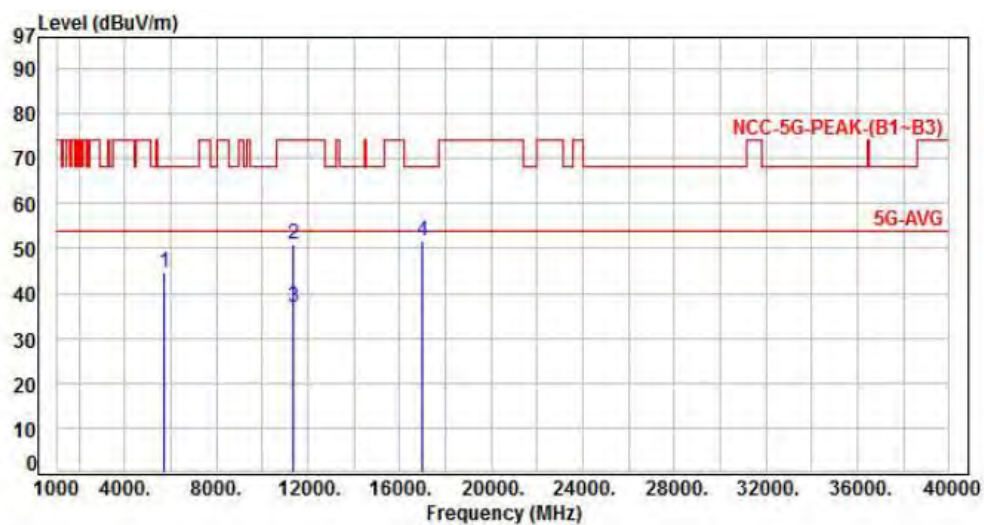


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5725.00	-24.11	67.79	43.68	68.20	-24.52	Peak	100	152	P
2	11340.00	-14.48	64.86	50.38	74.00	-23.62	Peak	100	145	P
3	11340.00	-14.48	51.37	36.89	54.00	-17.11	Average	100	145	P
4	17010.00	-8.89	62.13	53.24	68.20	-14.96	Peak	100	123	P

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



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, Band 3, CH134	Operation Mode	: TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5725.00	-24.11	68.69	44.58	68.20	-23.62	Peak	100	248	P
2	11340.00	-14.48	65.37	50.89	74.00	-23.11	Peak	100	225	P
3	11340.00	-14.48	51.33	36.85	54.00	-17.15	Average	100	225	P
4	17010.00	-8.89	60.70	51.81	68.20	-16.39	Peak	100	247	P

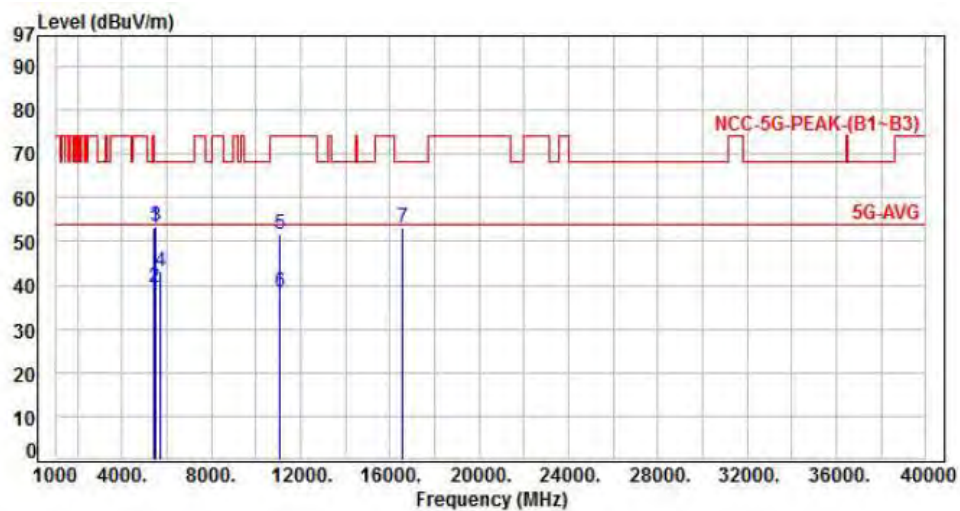
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 3 Band 3, CH106	Operation Mode	: TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	-24.53	77.51	52.98	74.00	-21.02	Peak	100	106	P
2	5460.00	-24.53	64.05	39.52	54.00	-14.48	Average	100	106	P
3	5470.00	-24.49	77.93	53.44	68.20	-14.76	Peak	100	235	P
4	5725.00	-24.11	67.36	43.25	68.20	-24.95	Peak	100	245	P
5	11060.00	-14.53	66.34	51.81	74.00	-22.19	Peak	100	209	P
6	11060.00	-14.53	52.78	38.25	54.00	-15.75	Average	100	209	P
7	16590.00	-10.31	63.58	53.27	68.20	-14.93	Peak	100	284	P

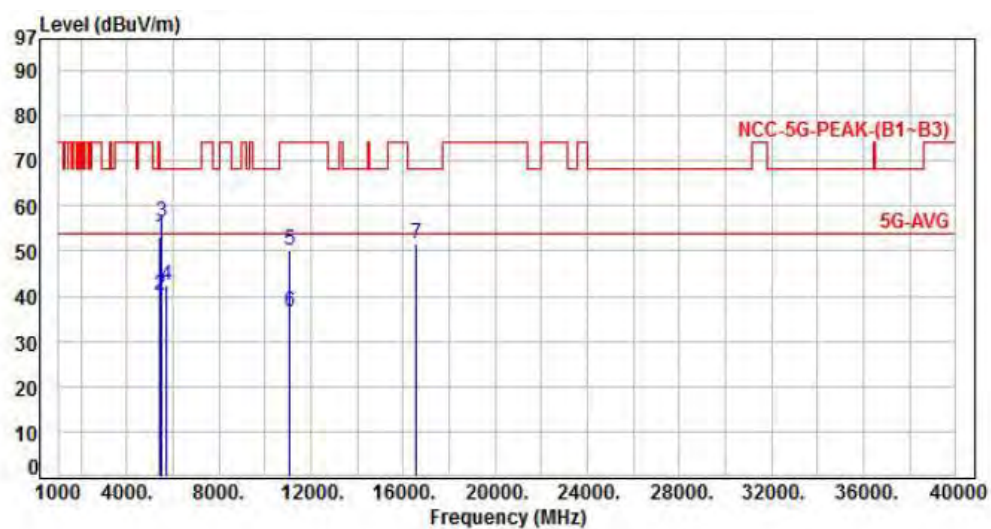
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 3 Band 3, CH106	Operation Mode	: TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	-24.53	77.77	53.24	74.00	-20.76	Peak	100	128	P
2	5460.00	-24.53	64.81	40.28	54.00	-13.72	Average	100	128	P
3	5470.00	-24.49	80.81	56.32	68.20	-11.88	Peak	100	223	P
4	5725.00	-24.11	66.70	42.59	68.20	-25.61	Peak	100	14	P
5	11060.00	-14.53	64.71	50.18	74.00	-23.82	Peak	100	207	P
6	11060.00	-14.53	51.01	36.48	54.00	-17.52	Average	100	207	P
7	16590.00	-10.31	61.81	51.50	68.20	-16.70	Peak	100	206	P

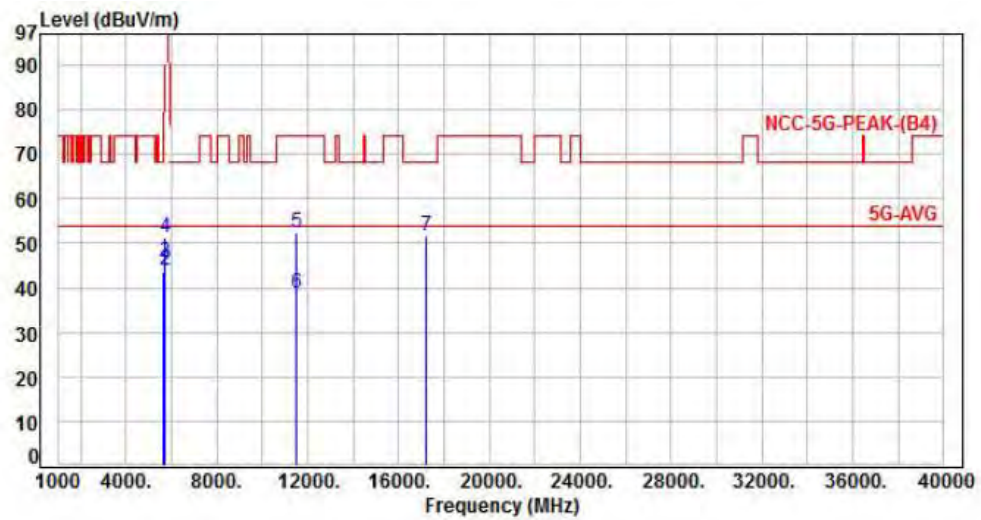
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, Band 4, CH149	Operation Mode	: TX

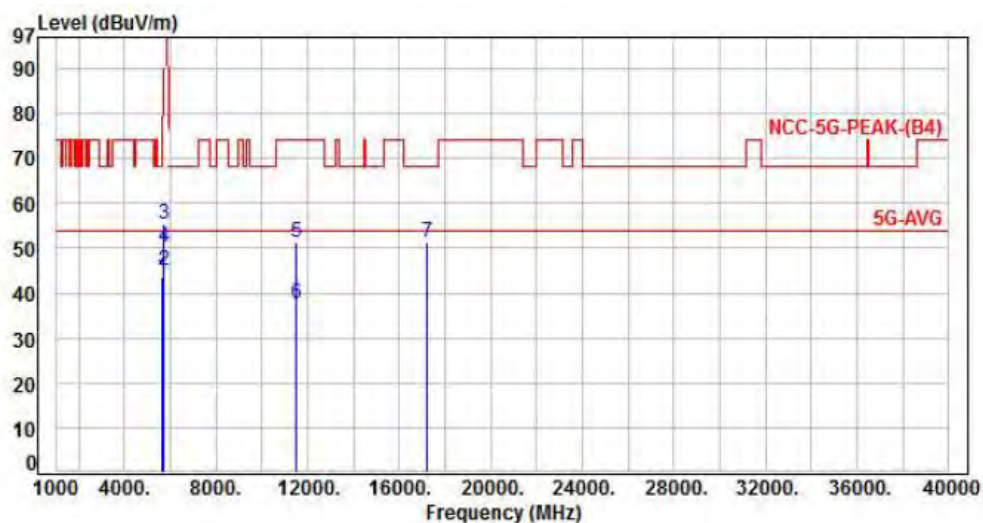


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-24.46	67.91	43.45	68.20	-24.75	Peak	100	187	P
2	5700.00	-24.17	67.89	43.72	105.20	-61.48	Peak	100	45	P
3	5720.00	-24.12	69.76	45.64	110.80	-65.16	Peak	100	248	P
4	5725.00	-24.11	75.33	51.22	122.20	-70.98	Peak	100	157	P
5	11490.00	-14.13	66.50	52.37	74.00	-21.63	Peak	100	162	P
6	11490.00	-14.13	52.98	38.85	54.00	-15.15	Average	100	162	P
7	17235.00	-8.48	60.03	51.55	68.20	-16.65	Peak	100	255	P

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



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 4, CH149	Operation Mode	: TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-24.46	68.03	43.57	68.20	-24.63	Peak	100	167	P
2	5700.00	-24.17	69.02	44.85	105.20	-60.35	Peak	100	351	P
3	5720.00	-24.12	79.31	55.19	110.80	-55.61	Peak	100	332	P
4	5725.00	-24.11	74.25	50.14	122.20	-72.06	Peak	100	144	P
5	11490.00	-14.13	65.55	51.42	74.00	-22.58	Peak	100	223	P
6	11490.00	-14.13	51.81	37.68	54.00	-16.32	Average	100	223	P
7	17235.00	-8.48	59.80	51.32	68.20	-16.88	Peak	100	120	P

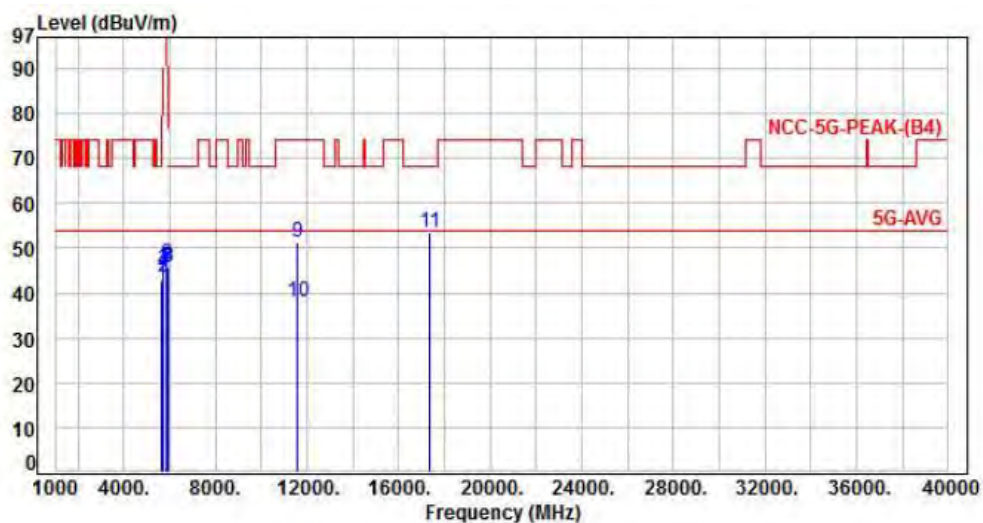
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, Band 4, CH157	Operation Mode	: TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-24.46	67.13	42.67	68.20	-25.53	Peak	100	106	P
2	5700.00	-24.17	67.55	43.38	105.20	-61.82	Peak	100	151	P
3	5720.00	-24.12	69.01	44.89	110.80	-65.91	Peak	100	337	P
4	5725.00	-24.11	69.13	45.02	122.20	-77.18	Peak	100	181	P
5	5850.00	-23.76	69.59	45.83	122.20	-76.37	Peak	100	108	P
6	5855.00	-23.74	70.19	46.45	110.80	-64.35	Peak	100	135	P
7	5875.00	-23.69	69.12	45.43	105.20	-59.77	Peak	100	163	P
8	5925.00	-23.52	69.26	45.74	68.20	-22.46	Peak	100	173	P
9	11570.00	-14.08	65.46	51.38	74.00	-22.62	Peak	100	116	P
10	11570.00	-14.08	52.06	37.98	54.00	-16.02	Average	100	116	P
11	17355.00	-7.70	61.06	53.36	68.20	-14.84	Peak	100	133	P

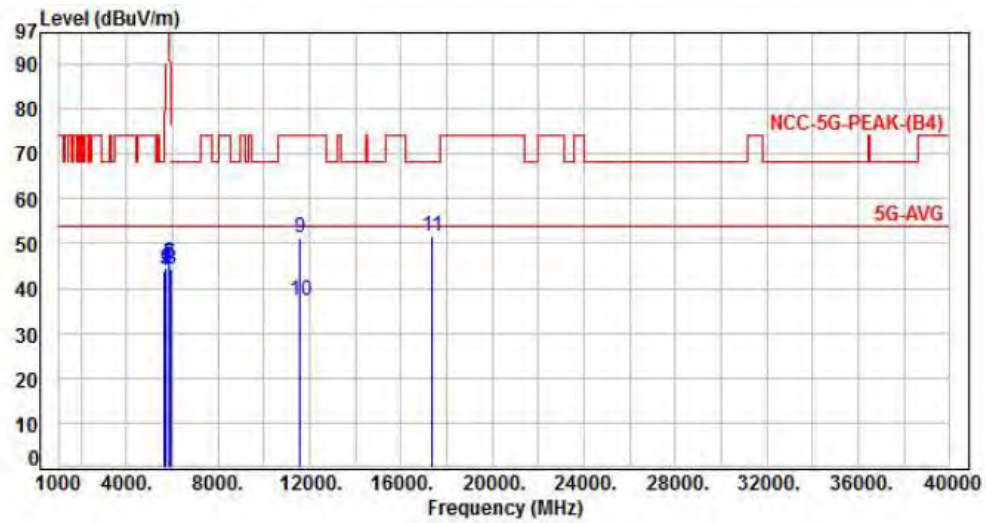
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 4, CH157	Operation Mode	: TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-24.46	68.27	43.81	68.20	-24.39	Peak	100	214	P
2	5700.00	-24.17	68.25	44.08	105.20	-61.12	Peak	100	165	P
3	5720.00	-24.12	68.54	44.42	110.80	-66.38	Peak	100	120	P
4	5725.00	-24.11	68.79	44.68	122.20	-77.52	Peak	100	162	P
5	5850.00	-23.76	68.96	45.20	122.20	-77.00	Peak	100	133	P
6	5855.00	-23.74	69.41	45.67	110.80	-65.13	Peak	100	166	P
7	5875.00	-23.69	68.95	45.26	105.20	-59.94	Peak	100	40	P
8	5925.00	-23.52	67.60	44.08	68.20	-24.12	Peak	100	122	P
9	11570.00	-14.08	65.45	51.37	74.00	-22.63	Peak	100	288	P
10	11570.00	-14.08	51.34	37.26	54.00	-16.74	Average	100	288	P
11	17355.00	-7.70	59.44	51.74	68.20	-16.46	Peak	100	52	P

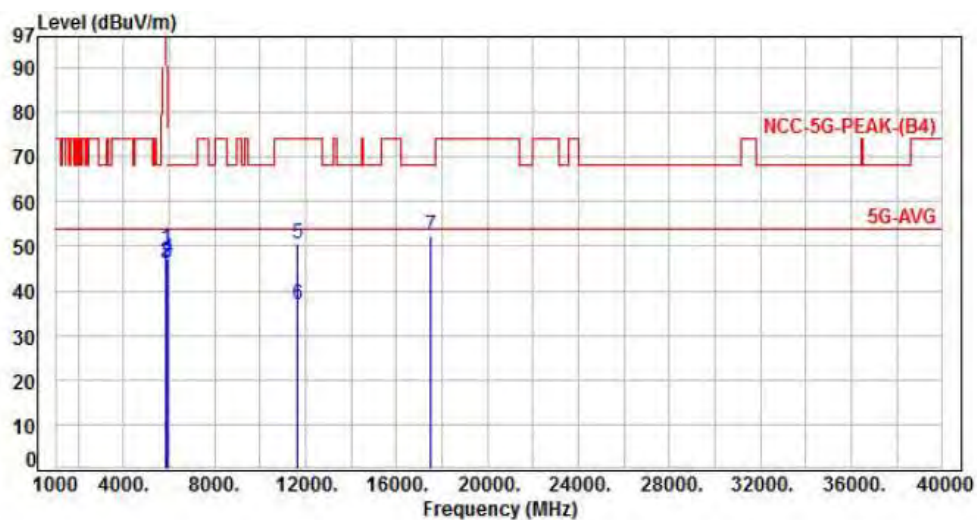
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, Band 4, CH165	Operation Mode	: TX

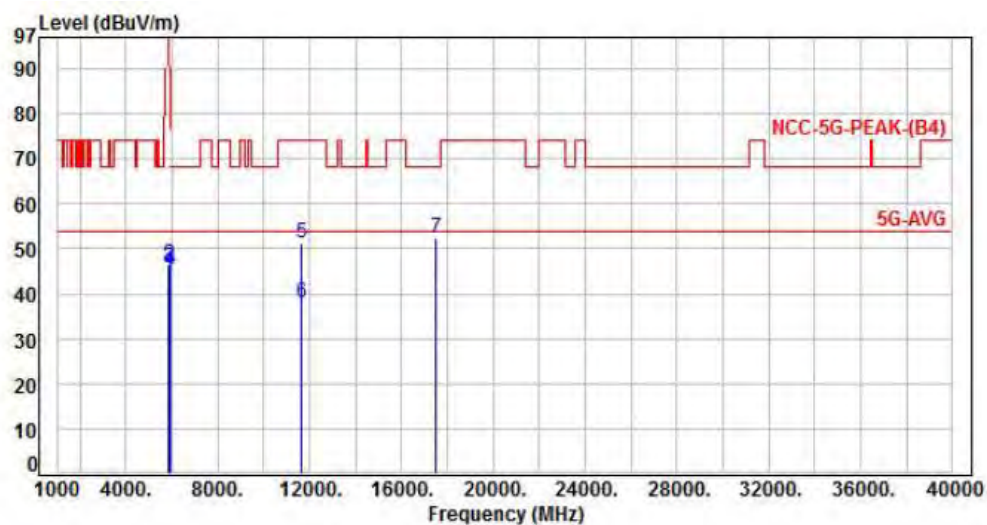


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5850.00	-23.76	73.30	49.54	122.20	-72.66	Peak	100	162	P
2	5855.00	-23.74	70.19	46.45	110.80	-64.35	Peak	100	213	P
3	5875.00	-23.69	69.97	46.28	105.20	-58.92	Peak	100	163	P
4	5925.00	-23.52	70.70	47.18	68.20	-21.02	Peak	100	130	P
5	11650.00	-14.31	64.98	50.67	74.00	-23.33	Peak	100	105	P
6	11650.00	-14.31	51.17	36.86	54.00	-17.14	Average	100	105	P
7	17475.00	-6.59	58.96	52.37	68.20	-15.83	Peak	100	16	P

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



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 4, CH165	Operation Mode	: TX

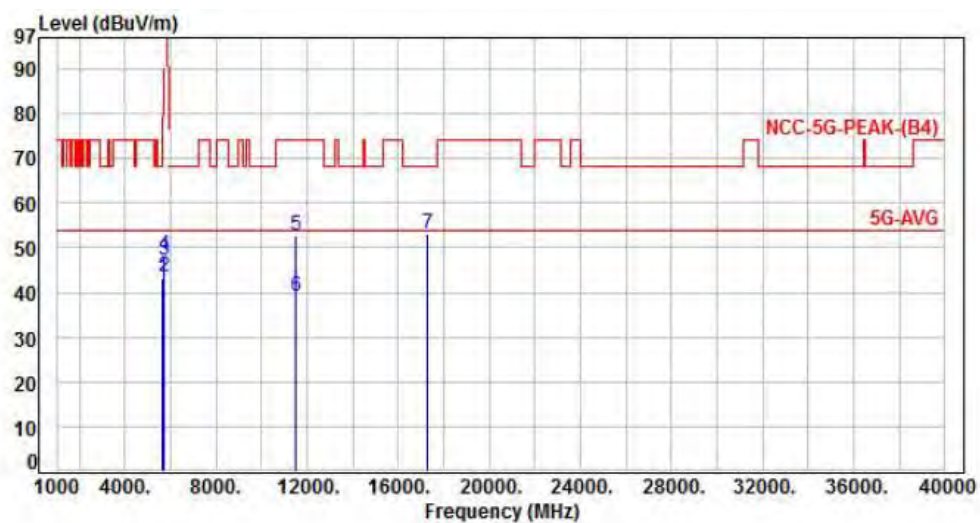


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5850.00	-23.76	67.64	43.88	122.20	-78.32	Peak	100	263	P
2	5855.00	-23.74	70.03	46.29	110.80	-64.51	Peak	100	106	P
3	5875.00	-23.69	69.45	45.76	105.20	-59.44	Peak	100	124	P
4	5925.00	-23.52	69.04	45.52	68.20	-22.68	Peak	100	212	P
5	11650.00	-14.31	65.58	51.27	74.00	-22.73	Peak	100	57	P
6	11650.00	-14.31	52.37	38.06	54.00	-15.94	Average	100	57	P
7	17475.00	-6.59	58.83	52.24	68.20	-15.96	Peak	100	277	P

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



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, Band 4, CH151	Operation Mode	: TX

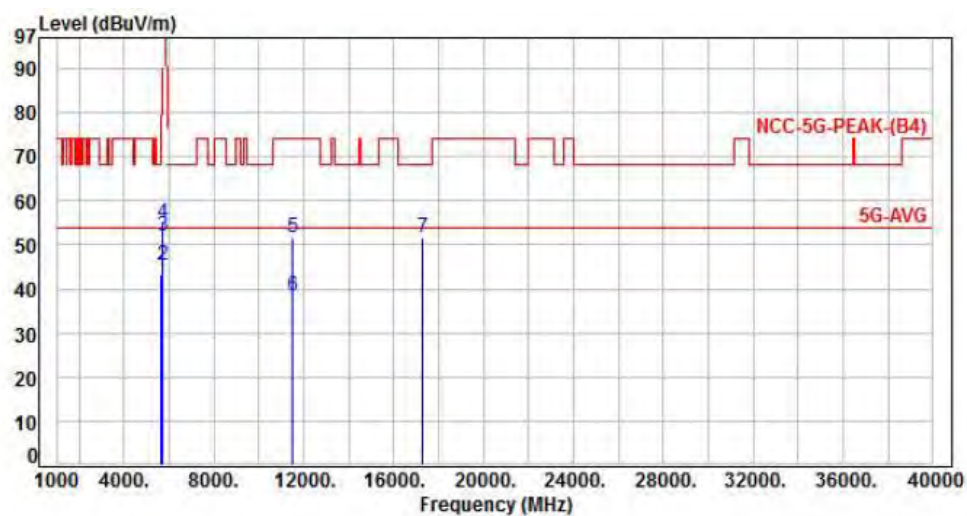


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-24.46	67.75	43.29	68.20	-24.91	Peak	100	206	P
2	5700.00	-24.17	67.84	43.67	105.20	-61.53	Peak	100	172	P
3	5720.00	-24.12	71.32	47.20	110.80	-63.60	Peak	100	152	P
4	5725.00	-24.11	72.43	48.32	122.20	-73.88	Peak	100	237	P
5	11510.00	-14.10	66.74	52.64	74.00	-21.36	Peak	100	218	P
6	11510.00	-14.10	53.20	39.10	54.00	-14.90	Average	100	218	P
7	17265.00	-8.41	61.63	53.22	68.20	-14.98	Peak	100	132	P

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



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, Band 4, CH151	Operation Mode	: TX

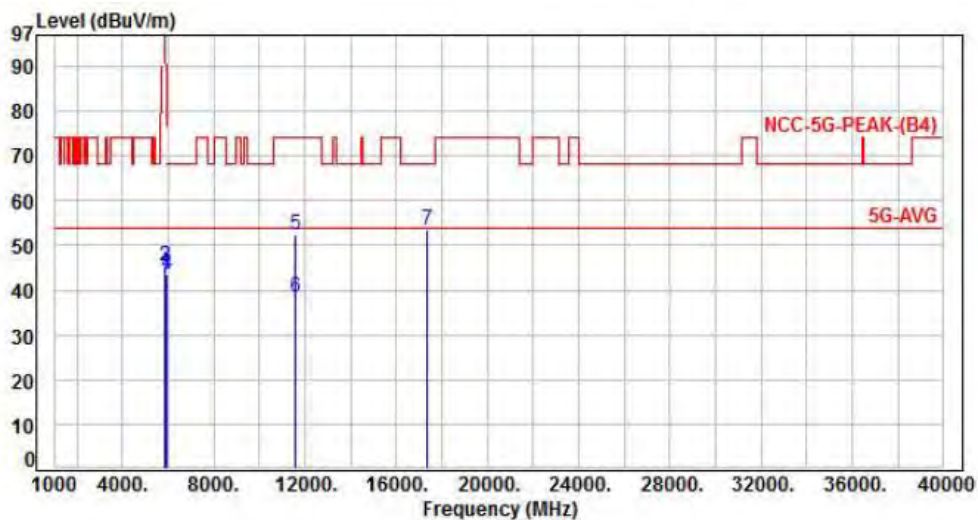


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-24.46	67.73	43.27	68.20	-24.93	Peak	100	224	P
2	5700.00	-24.17	69.49	45.32	105.20	-59.88	Peak	100	323	P
3	5720.00	-24.12	76.13	52.01	110.80	-58.79	Peak	100	326	P
4	5725.00	-24.11	78.96	54.85	122.20	-67.35	Peak	100	43	P
5	11510.00	-14.10	65.67	51.57	74.00	-22.43	Peak	100	288	P
6	11510.00	-14.10	52.52	38.42	54.00	-15.58	Average	100	288	P
7	17265.00	-8.41	59.96	51.55	68.20	-16.65	Peak	100	124	P

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



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, Band 4, CH159	Operation Mode	: TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5850.00	-23.76	67.27	43.51	122.20	-78.69	Peak	100	135	P
2	5855.00	-23.74	68.93	45.19	110.80	-65.61	Peak	100	214	P
3	5875.00	-23.69	68.94	45.25	105.20	-59.95	Peak	100	105	P
4	5925.00	-23.52	67.12	43.60	68.20	-24.60	Peak	100	165	P
5	11590.00	-14.08	66.46	52.38	74.00	-21.62	Peak	100	102	P
6	11590.00	-14.08	52.56	38.48	54.00	-15.52	Average	100	102	P
7	17385.00	-7.35	60.87	53.52	68.20	-14.68	Peak	100	101	P

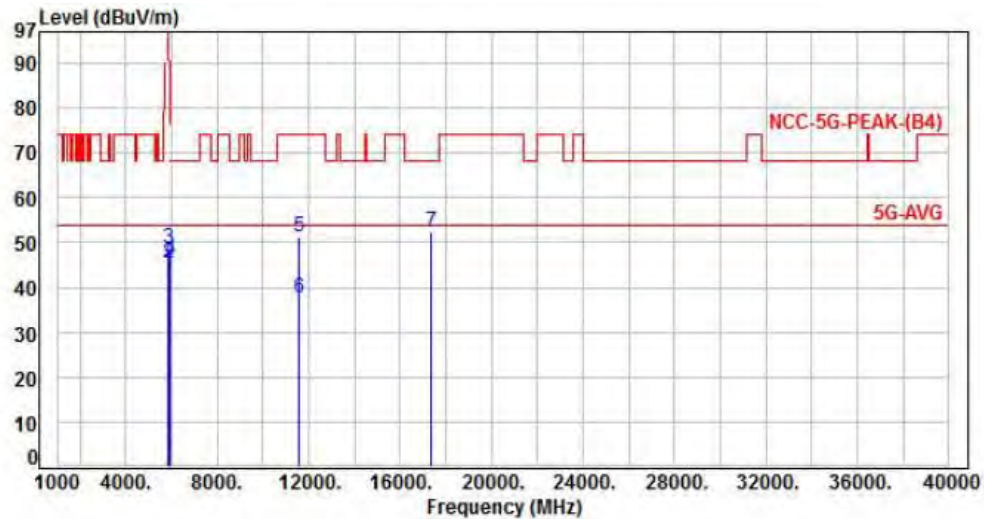
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, Band 4, CH159	Operation Mode	: TX

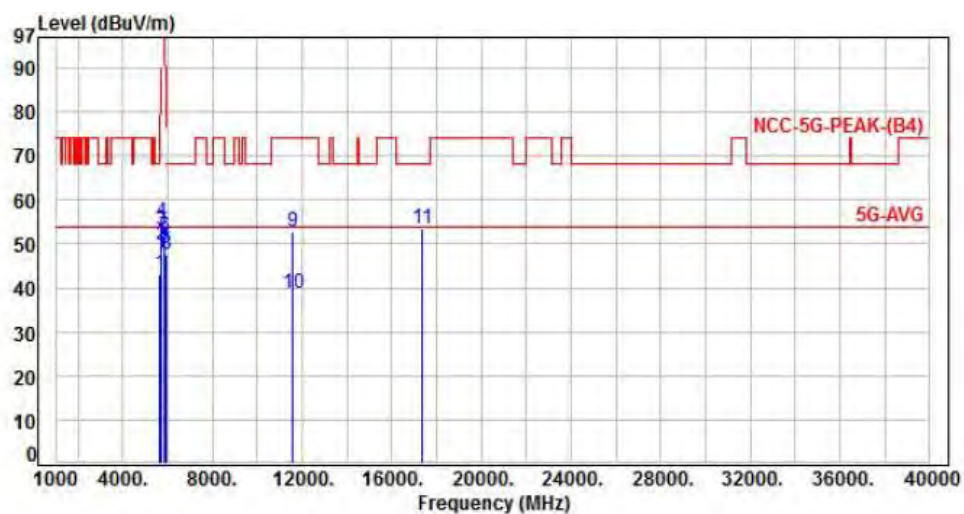


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5850.00	-23.76	67.21	43.45	122.20	-78.75	Peak	100	182	P
2	5855.00	-23.74	68.99	45.25	110.80	-65.55	Peak	100	289	P
3	5875.00	-23.69	72.23	48.54	105.20	-56.66	Peak	100	173	P
4	5925.00	-23.52	69.77	46.25	68.20	-21.95	Peak	100	241	P
5	11590.00	-14.08	65.45	51.37	74.00	-22.63	Peak	100	108	P
6	11590.00	-14.08	51.76	37.68	54.00	-16.32	Average	100	108	P
7	17385.00	-7.35	59.87	52.52	68.20	-15.68	Peak	100	62	P

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



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 3, Band 4, CH155	Operation Mode	: TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-24.46	67.61	43.15	68.20	-25.05	Peak	100	138	P
2	5700.00	-24.17	73.81	49.64	105.20	-55.56	Peak	100	216	P
3	5720.00	-24.12	77.37	53.25	110.80	-57.55	Peak	100	265	P
4	5725.00	-24.11	78.98	54.87	122.20	-67.33	Peak	100	106	P
5	5850.00	-23.76	72.99	49.23	122.20	-72.97	Peak	100	168	P
6	5855.00	-23.74	75.26	51.52	110.80	-59.28	Peak	100	117	P
7	5875.00	-23.69	71.83	48.14	105.20	-57.06	Peak	100	214	P
8	5925.00	-23.52	71.04	47.52	68.20	-20.68	Peak	100	346	P
9	11550.00	-14.08	66.64	52.56	74.00	-21.44	Peak	100	125	P
10	11550.00	-14.08	52.94	38.86	54.00	-15.14	Average	100	125	P
11	17325.00	-8.05	61.50	53.45	68.20	-14.75	Peak	100	281	P

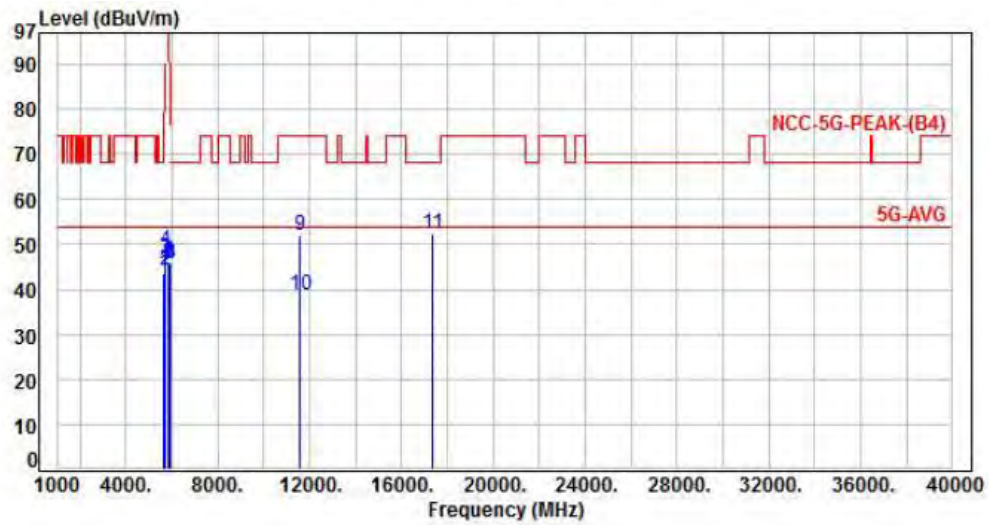
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 3, Band 4, CH155	Operation Mode	: TX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-24.46	68.05	43.59	68.20	-24.61	Peak	100	146	P
2	5700.00	-24.17	68.44	44.27	105.20	-60.93	Peak	100	154	P
3	5720.00	-24.12	70.88	46.76	110.80	-64.04	Peak	100	285	P
4	5725.00	-24.11	72.72	48.61	122.20	-73.59	Peak	100	103	P
5	5850.00	-23.76	69.54	45.78	122.20	-76.42	Peak	100	207	P
6	5855.00	-23.74	69.98	46.24	110.80	-64.56	Peak	100	127	P
7	5875.00	-23.69	68.96	45.27	105.20	-59.93	Peak	100	183	P
8	5925.00	-23.52	69.20	45.68	68.20	-22.52	Peak	100	282	P
9	11550.00	-14.08	66.24	52.16	74.00	-21.84	Peak	100	336	P
10	11550.00	-14.08	52.70	38.62	54.00	-15.38	Average	100	336	P
11	17325.00	-8.05	60.38	52.33	68.20	-15.87	Peak	100	163	P

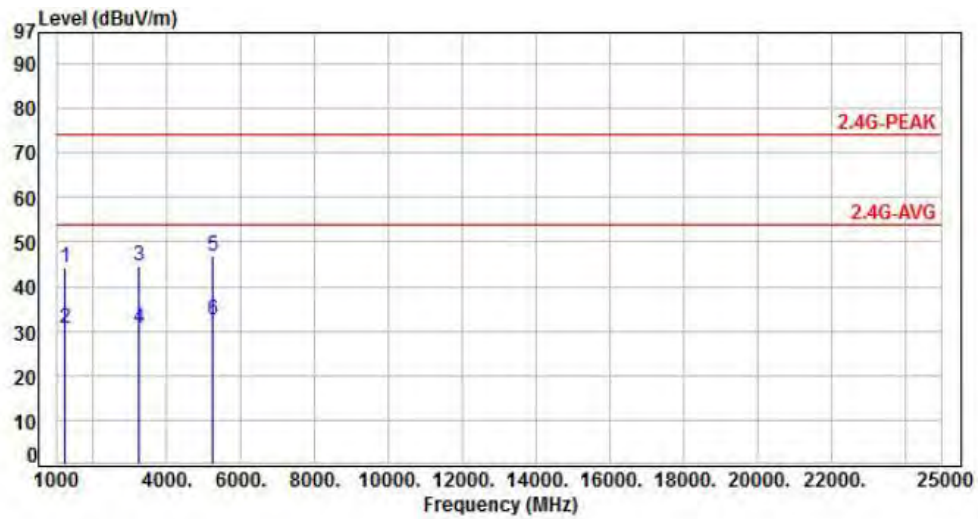
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, Band 1, CH42	Operation Mode	: RX

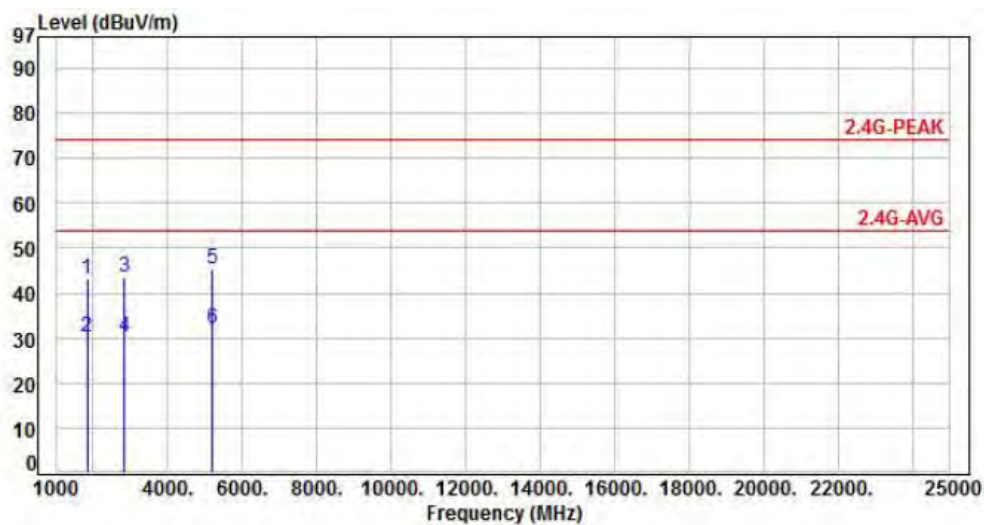


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1245.00	-33.69	78.04	44.35	74.00	-29.65	Peak	100	215	P
2	1245.00	-33.69	64.38	30.69	54.00	-23.31	Average	100	215	P
3	3249.00	-28.99	73.56	44.57	74.00	-29.43	Peak	100	148	P
4	3249.00	-28.99	59.74	30.75	54.00	-23.25	Average	100	148	P
5	5246.00	-24.77	71.62	46.85	74.00	-27.15	Peak	100	334	P
6	5246.00	-24.77	57.24	32.47	54.00	-21.53	Average	100	334	P

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



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, Band 1, CH42	Operation Mode	: RX

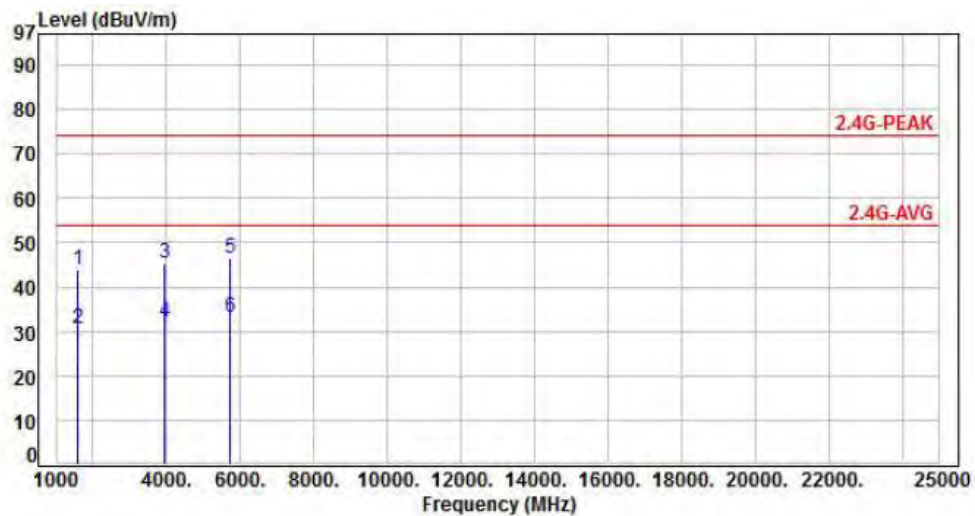


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1834.00	-33.36	76.61	43.25	74.00	-30.75	Peak	100	263	P
2	1834.00	-33.36	63.54	30.18	54.00	-23.82	Average	100	263	P
3	2845.00	-29.71	73.40	43.69	74.00	-30.31	Peak	100	202	P
4	2845.00	-29.71	59.95	30.24	54.00	-23.76	Average	100	202	P
5	5196.00	-24.56	69.80	45.24	74.00	-28.76	Peak	100	294	P
6	5196.00	-24.56	56.71	32.15	54.00	-21.85	Average	100	294	P

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



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, Band 2, CH58	Operation Mode	: RX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1568.00	-33.88	77.71	43.83	74.00	-30.17	Peak	100	147	P
2	1568.00	-33.88	64.33	30.45	54.00	-23.55	Average	100	147	P
3	3957.00	-27.39	72.63	45.24	74.00	-28.76	Peak	100	104	P
4	3957.00	-27.39	59.43	32.04	54.00	-21.96	Average	100	104	P
5	5735.00	-24.09	70.62	46.53	74.00	-27.47	Peak	100	154	P
6	5735.00	-24.09	57.45	33.36	54.00	-20.64	Average	100	154	P

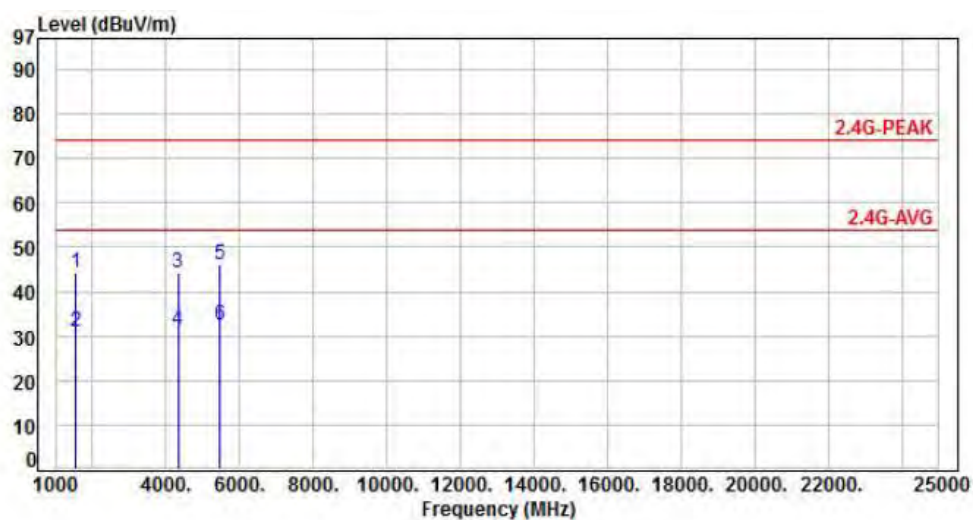
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, Band 2, CH58	Operation Mode	: RX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1528.00	-33.67	77.96	44.29	74.00	-29.71	Peak	100	134	P
2	1528.00	-33.67	64.53	30.86	54.00	-23.14	Average	100	134	P
3	4325.00	-26.53	70.82	44.29	74.00	-29.71	Peak	100	241	P
4	4325.00	-26.53	57.78	31.25	54.00	-22.75	Average	100	241	P
5	5473.00	-24.48	70.65	46.17	74.00	-27.83	Peak	100	238	P
6	5473.00	-24.48	57.02	32.54	54.00	-21.46	Average	100	238	P

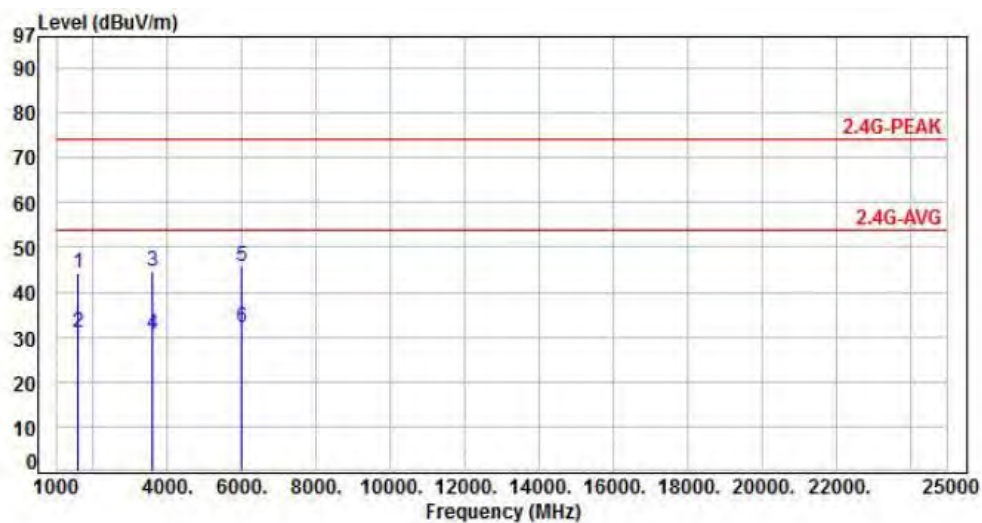
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, Band 3, CH106	Operation Mode	: RX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1574.00	-33.91	78.13	44.22	74.00	-29.78	Peak	100	228	P
2	1574.00	-33.91	64.96	31.05	54.00	-22.95	Average	100	228	P
3	3592.00	-28.21	72.85	44.64	74.00	-29.36	Peak	100	233	P
4	3592.00	-28.21	58.80	30.59	54.00	-23.41	Average	100	233	P
5	5974.00	-23.48	69.33	45.85	74.00	-28.15	Peak	100	108	P
6	5974.00	-23.48	55.63	32.15	54.00	-21.85	Average	100	108	P

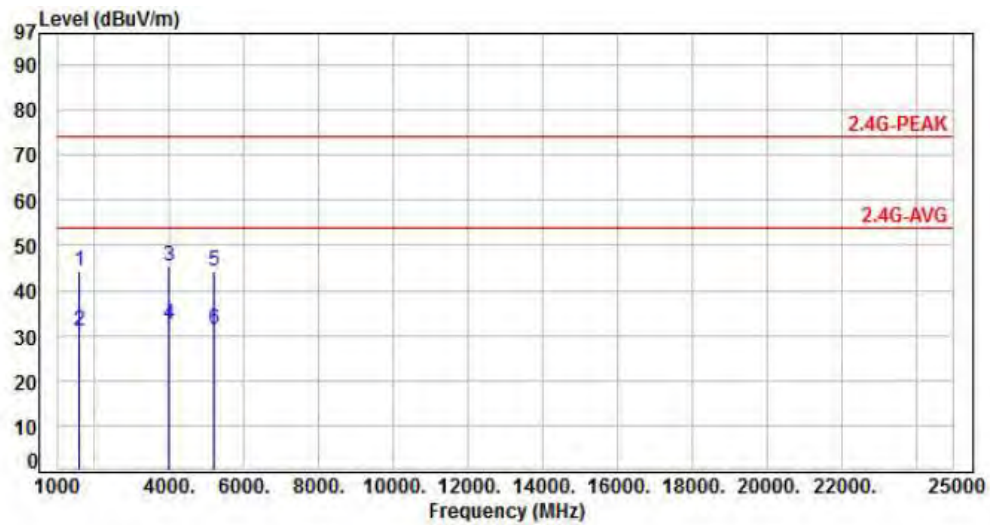
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, Band 3, CH106	Operation Mode	: RX

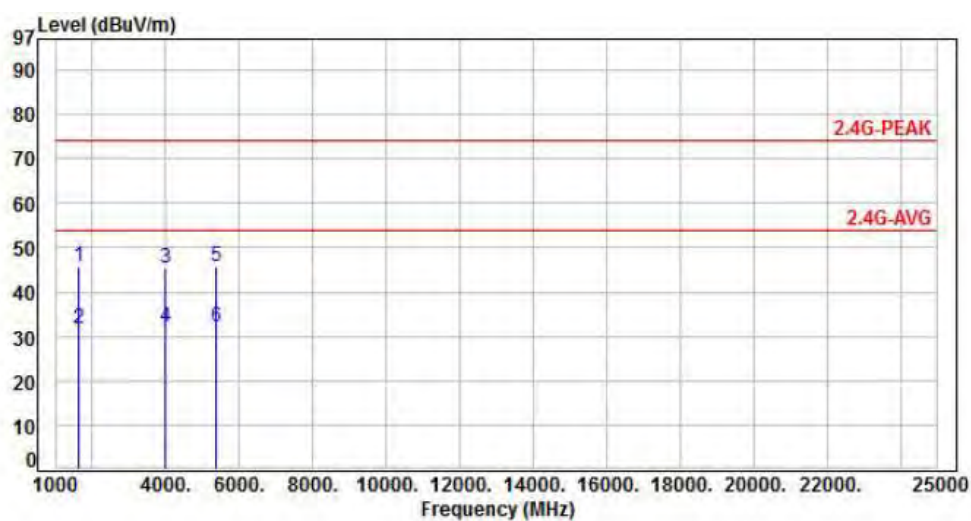


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1585.00	-33.94	78.23	44.29	74.00	-29.71	Peak	100	178	P
2	1585.00	-33.94	65.02	31.08	54.00	-22.92	Average	100	178	P
3	3978.00	-27.44	72.65	45.21	74.00	-28.79	Peak	100	264	P
4	3978.00	-27.44	59.82	32.38	54.00	-21.62	Average	100	264	P
5	5194.00	-24.55	68.98	44.43	74.00	-29.57	Peak	100	204	P
6	5194.00	-24.55	55.83	31.28	54.00	-22.72	Average	100	204	P

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



Power	: AC 110V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, Band 4, CH155	Operation Mode	: RX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1651.00	-33.95	79.59	45.64	74.00	-28.36	Peak	100	146	P
2	1651.00	-33.95	65.81	31.86	54.00	-22.14	Average	100	146	P
3	3985.00	-27.45	72.74	45.29	74.00	-28.71	Peak	100	206	P
4	3985.00	-27.45	59.70	32.25	54.00	-21.75	Average	100	206	P
5	5357.00	-24.90	70.57	45.67	74.00	-28.33	Peak	100	248	P
6	5357.00	-24.90	57.08	32.18	54.00	-21.82	Average	100	248	P

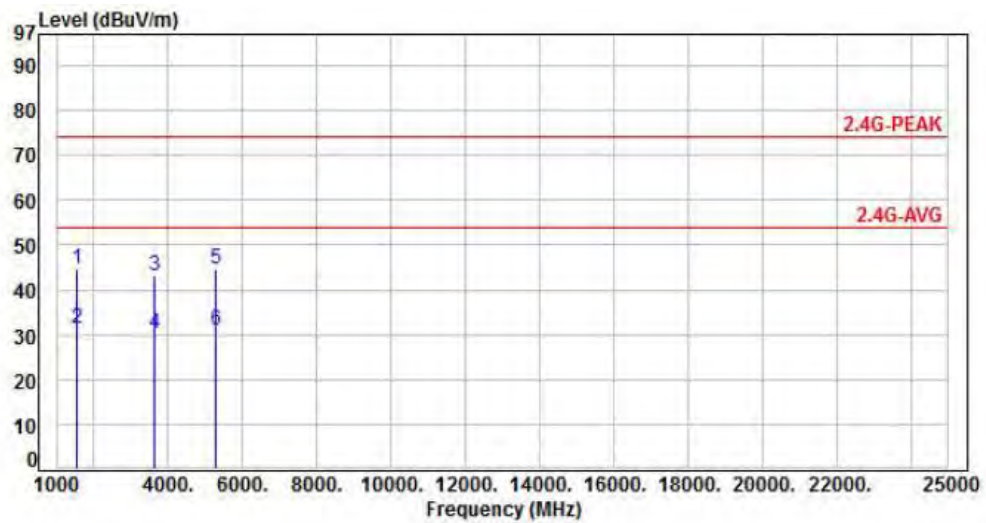
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 110V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, Band 4, CH155	Operation Mode	: RX



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1544.00	-33.75	78.39	44.64	74.00	-29.36	Peak	100	108	P
2	1544.00	-33.75	65.04	31.29	54.00	-22.71	Average	100	108	P
3	3648.00	-28.07	71.33	43.26	74.00	-30.74	Peak	100	46	P
4	3648.00	-28.07	58.21	30.14	54.00	-23.86	Average	100	46	P
5	5271.00	-24.86	69.42	44.56	74.00	-29.44	Peak	100	244	P
6	5271.00	-24.86	55.91	31.05	54.00	-22.95	Average	100	244	P

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

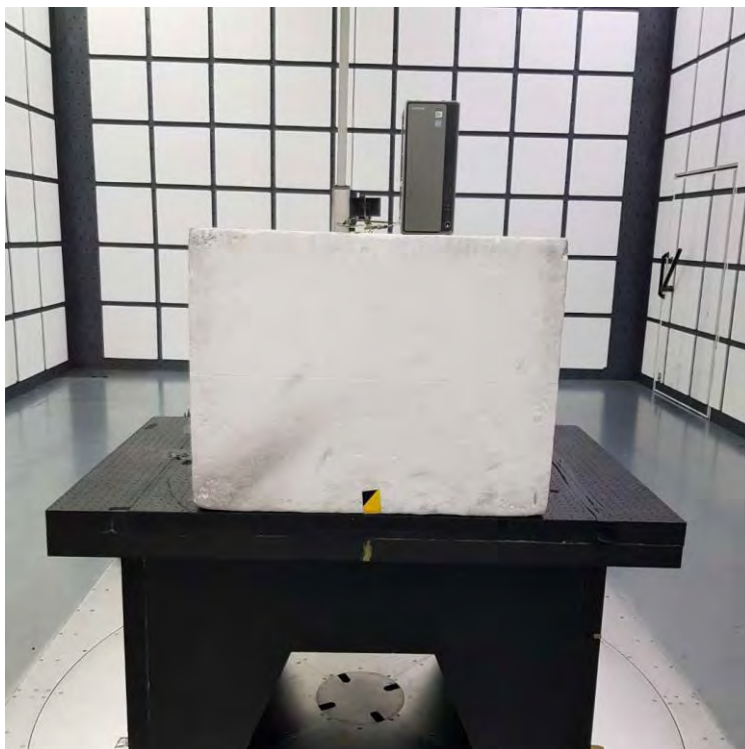


5.7. 輻射量測之配置照片(30MHz ~ 1GHz)





5.8. 輻射量測之配置照片 (Above 1GHz)





6. On Time, Duty Cycle and Measurement methods

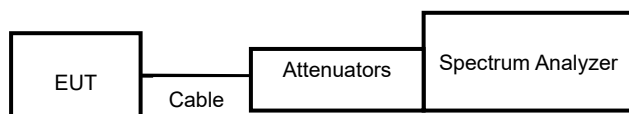
6.1. 適用標準

None; for reporting purposes only.

6.2. 測試方法

KDB 789033 Zero-Span Spectrum Analyzer Method.

6.3. 測試配置



6.4. 測試結果及數據

For 1TX

Modulation Type	On Time (msec)	Period Time (msec)	Duty Cycle (%)
802.11a	100.00	100.00	100.00%
802.11ac VHT20	100.00	100.00	100.00%
802.11ac VHT40	100.00	100.00	100.00%
802.11ac VHT80	100.00	100.00	100.00%

For 2TX

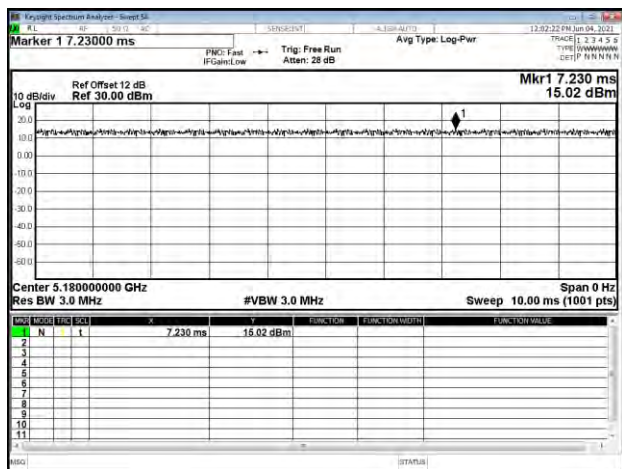
Modulation Type	On Time (msec)	Period Time (msec)	Duty Cycle (%)
802.11ac VHT20	100.00	100.00	100.00%
802.11ac VHT40	100.00	100.00	100.00%
802.11ac VHT80	100.00	100.00	100.00%

6.5. Measurement Methods

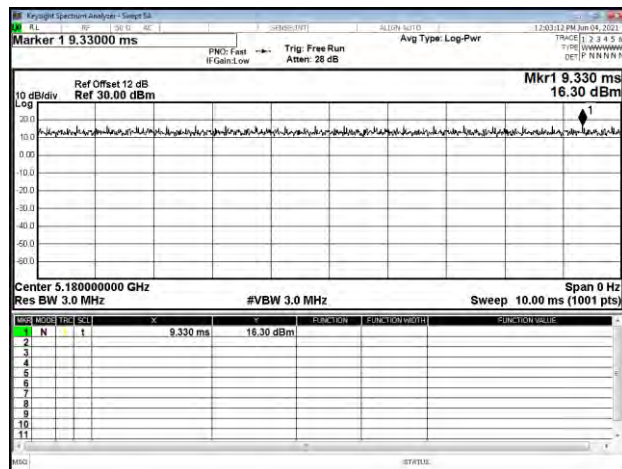
26 dB and 6dB Emission BW	KDB 789033 D02 v02r01, Section C
99% Occupied BW	KDB 789033 D02 v02r01, Section D
Conducted Output Power	KDB 789033 D02 v02r01, Section E.2.d and E.3.b (Method PM-G)
Power Spectral Density	KDB 789033 D02 v02r01, Section F
Unwanted emissions in restricted bands	KDB 789033 D02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



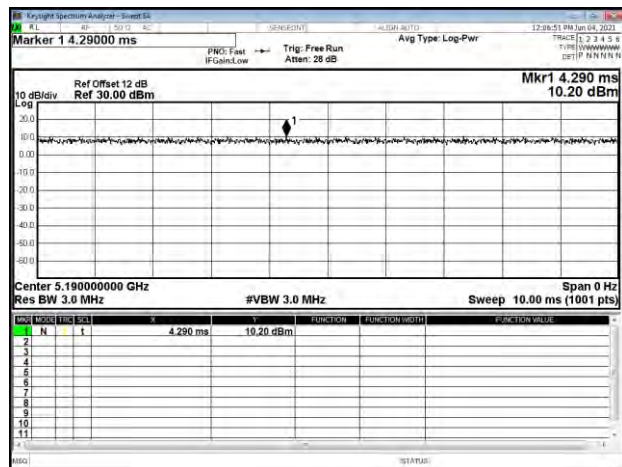
For 1TX
Modulation Standard: 802.11a



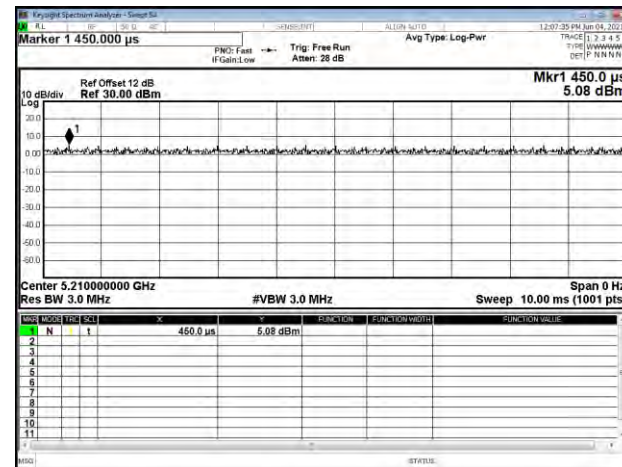
Modulation Standard: 802.11ac VHT20



Modulation Standard: 802.11ac VHT40

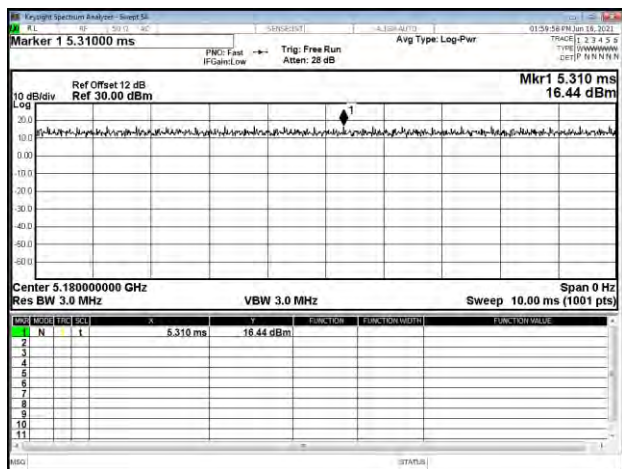


Modulation Standard: 802.11ac VHT80

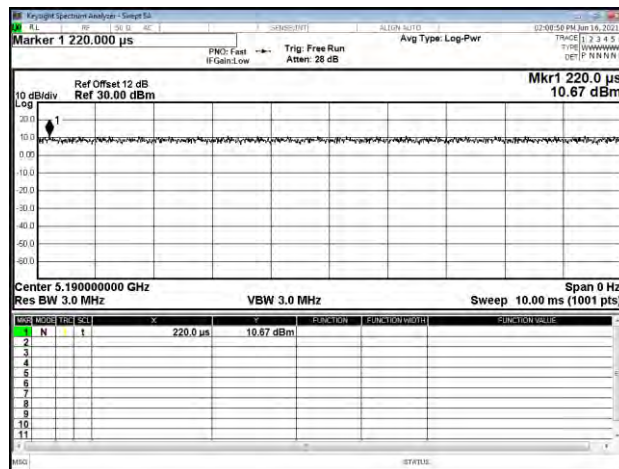




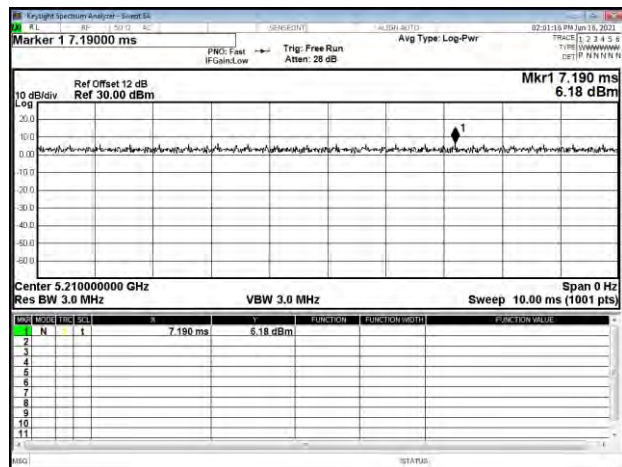
For 2TX Modulation Standard: 802.11ac VHT20



Modulation Standard: 802.11ac VHT40



Modulation Standard: 802.11ac VHT80





7. 6dB & 99% Occupied 頻寬之規定

7.1. 適用標準

在5.725 GHz~5.850 GHz 頻段操作之設備，其6 dB 頻寬至少應有500 kHz。

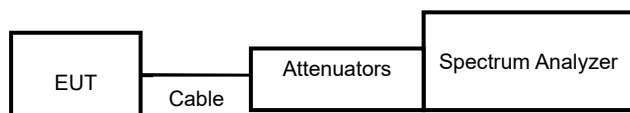
FCC §15.407

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

7.2. 測試方法

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.

7.3. 測試配置





7.4. 測試結果及數據(6dB Bandwidth)

In the 5.8G Band

For 1TX

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)
			ANT A	
802.11a	149	5745	16.53	0.50
	157	5785	16.54	0.50
	165	5825	16.55	0.50
802.11ac VHT20	149	5745	17.71	0.50
	157	5785	17.70	0.50
	165	5825	17.68	0.50
802.11ac VHT40	151	5755	36.49	0.50
	159	5795	36.51	0.50
802.11ac VHT80	155	5775	76.32	0.50

For 2TX

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)
			ANT A	ANT B	
802.11ac VHT20	149	5745	17.70	17.67	0.50
	157	5785	17.71	17.72	0.50
	165	5825	17.76	17.68	0.50
802.11ac VHT40	151	5755	36.52	36.53	0.50
	159	5795	36.55	36.49	0.50
802.11ac VHT80	155	5775	76.15	76.14	0.50

備註：繪圖資料請參考下頁。



7.5. 測試結果及數據(99% Occupied Bandwidth)

In the 5.8G Band

For 1TX

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
802.11a	149	5745	16.61
	157	5785	16.61
	165	5825	16.62
802.11ac VHT20	149	5745	17.72
	157	5785	17.68
	165	5825	17.70
802.11ac VHT40	151	5755	36.51
	159	5795	36.39
802.11ac VHT80	155	5775	75.47

For 2TX

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)	
			ANT A	ANT B
802.11ac VHT20	149	5745	17.71	17.69
	157	5785	17.69	17.69
	165	5825	17.68	17.70
802.11ac VHT40	151	5755	36.46	36.44
	159	5795	36.43	36.48
802.11ac VHT80	155	5775	75.51	75.39

備註：繪圖資料請參考下頁。

7.6. 結果判定

高、中、低頻段的 6dB 頻寬皆大於 500 KHz，合乎標準規定。



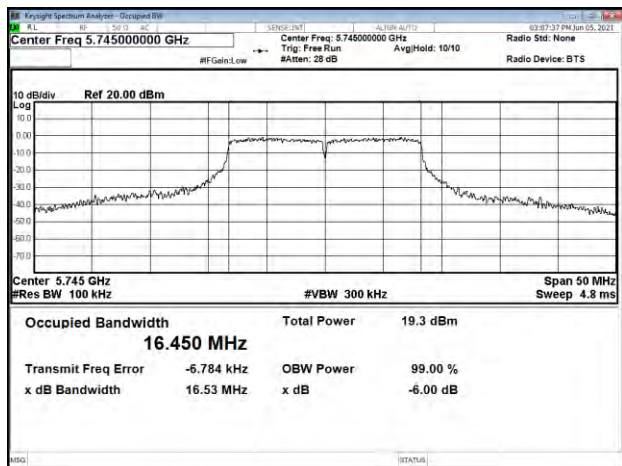
6dB Bandwidth

For 1TX

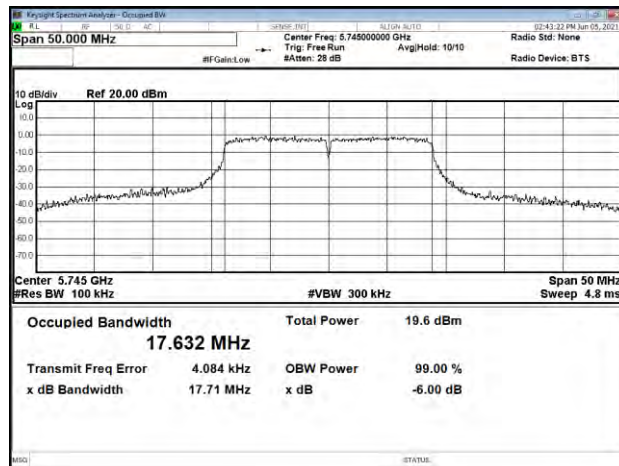
ANT A

Modulation Standard: 802.11a (6Mbps)

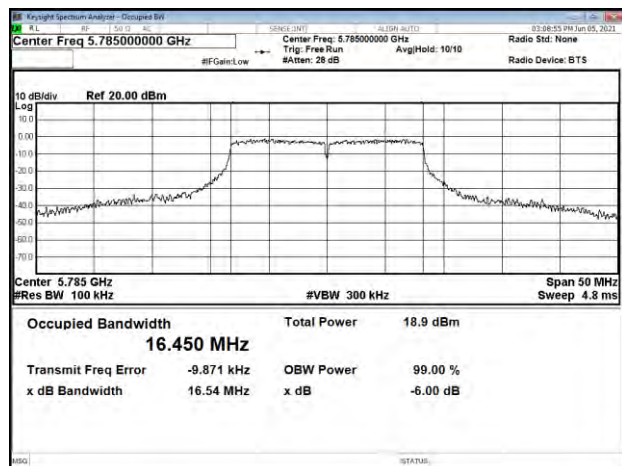
CH149

Modulation Standard: 802.11ac, VHT20
(6.5Mbps)

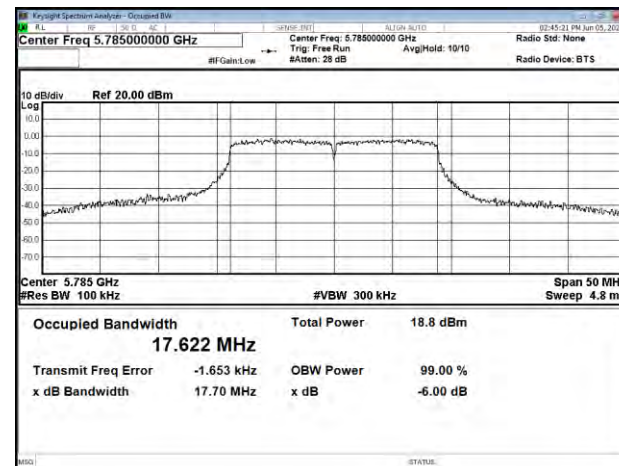
CH149



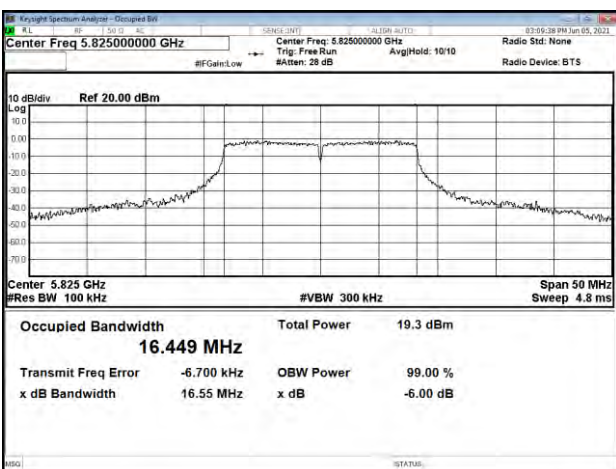
CH157



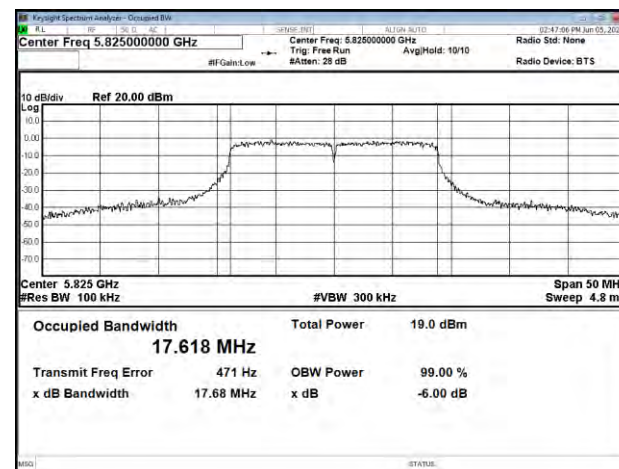
CH157



CH165

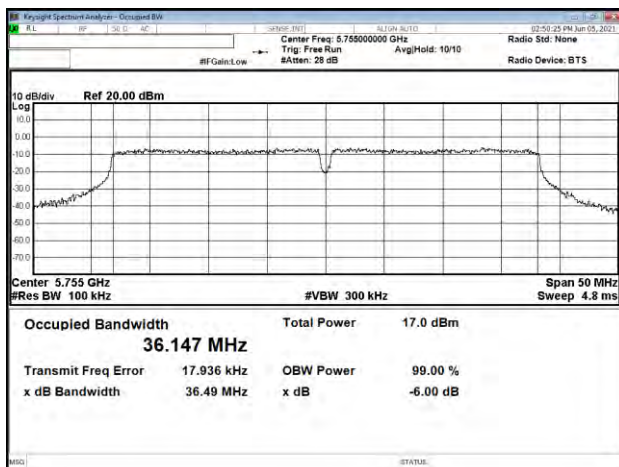


CH165

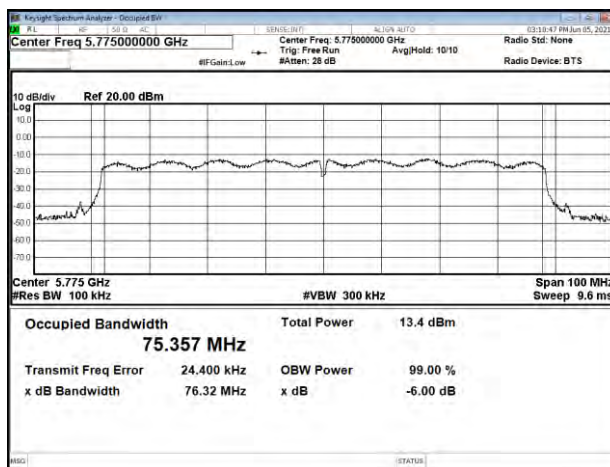




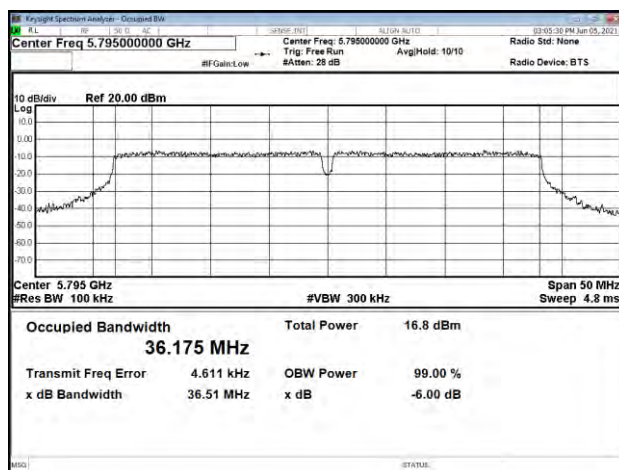
Modulation Standard: 802.11ac, VHT40
(13.5Mbps)
CH151



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

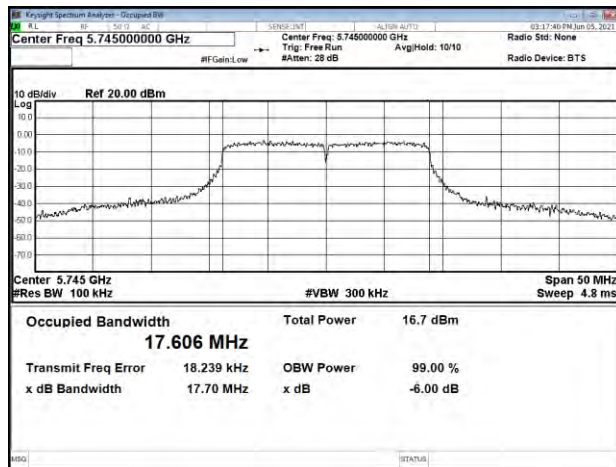


CH159

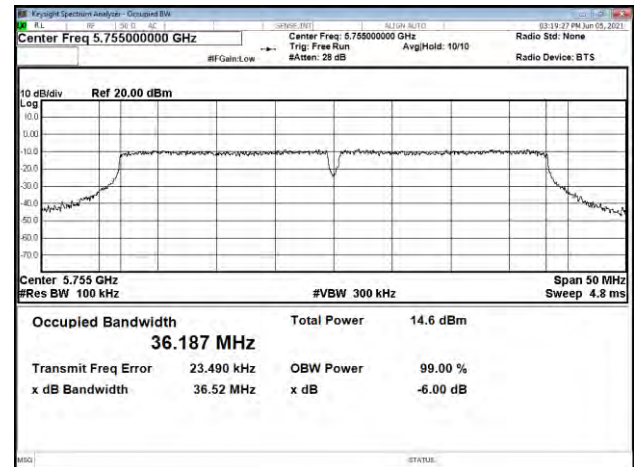




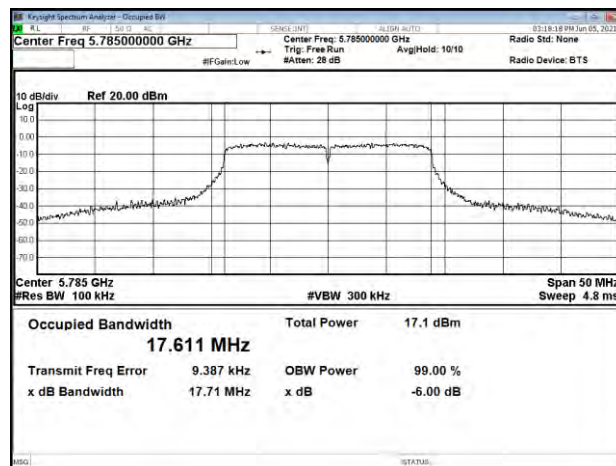
For 2TX
ANTA
Modulation Standard: 802.11ac, VHT20
(6.5Mbps)
CH149



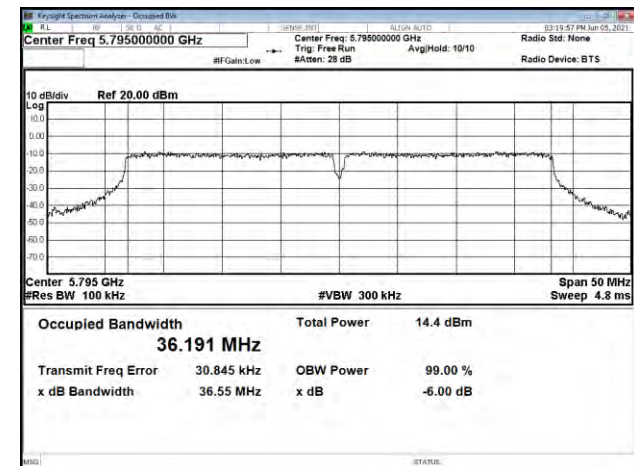
Modulation Standard: 802.11ac, VHT40
(13.5Mbps)
CH151



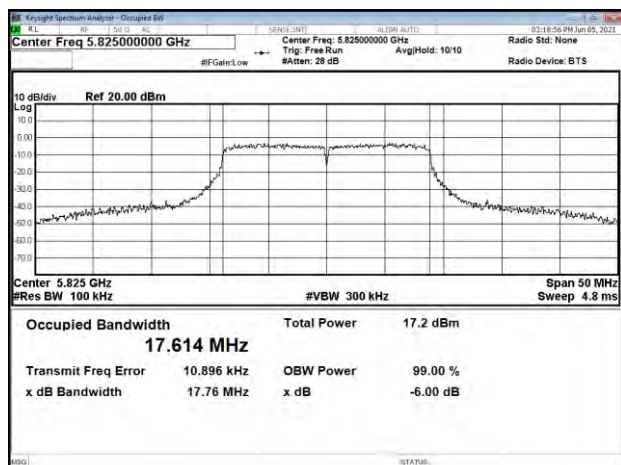
CH157



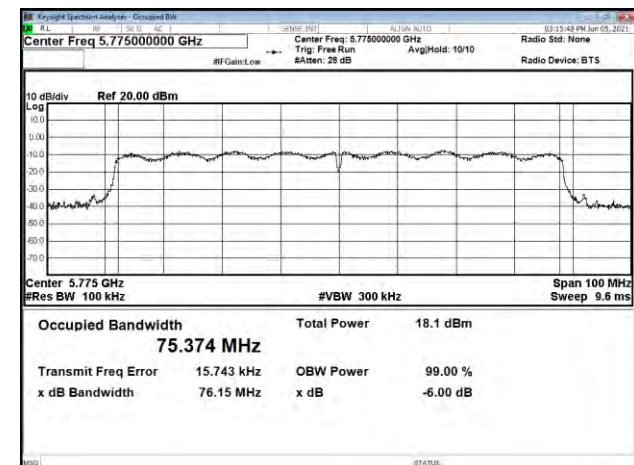
CH159



CH165



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



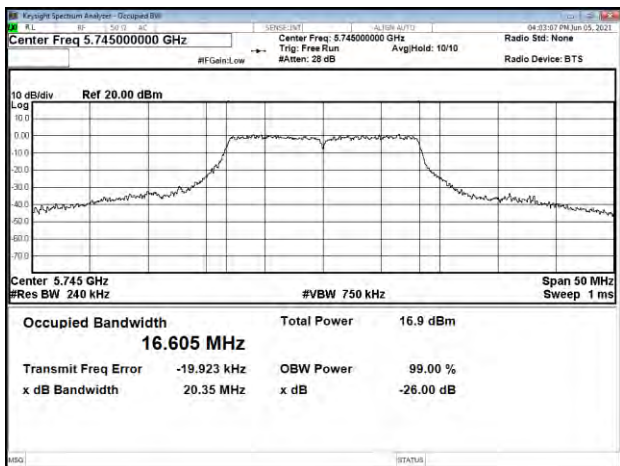


99% Occupied Bandwidth

For 1TX
ANT A

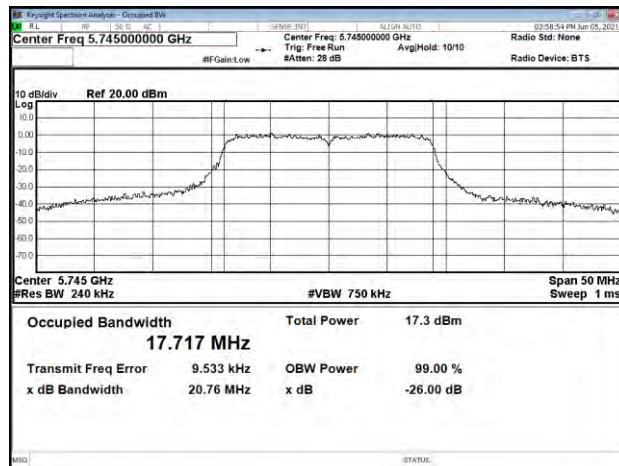
Modulation Standard: 802.11a (6Mbps)

CH149

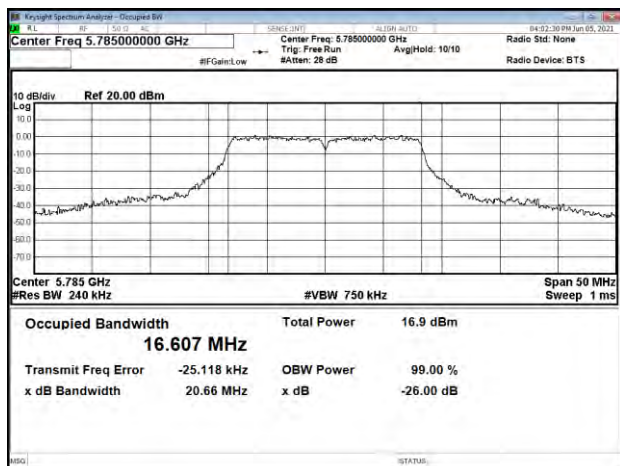


Modulation Standard: 802.11ac, VHT20
(6.5Mbps)

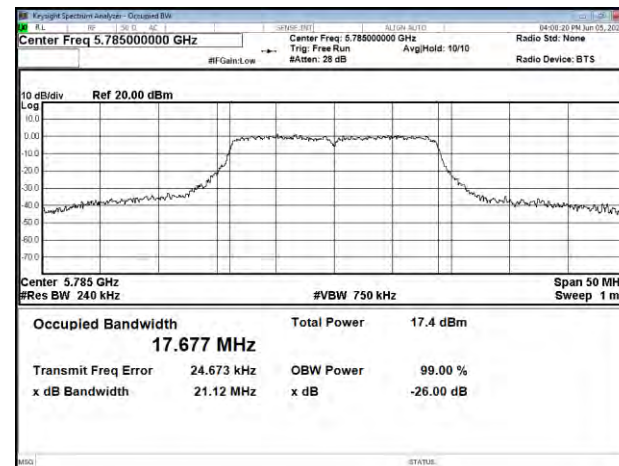
CH149



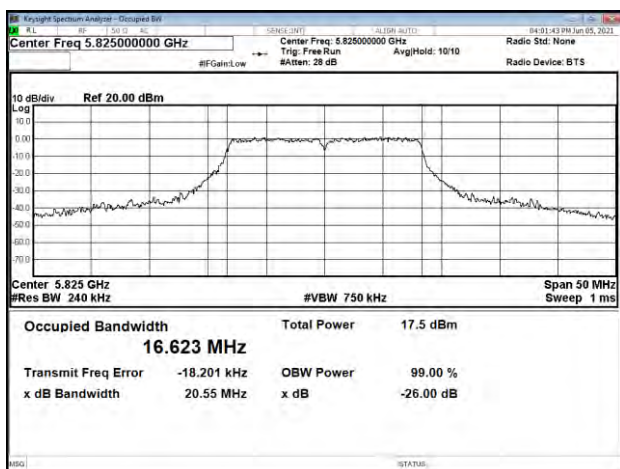
CH157



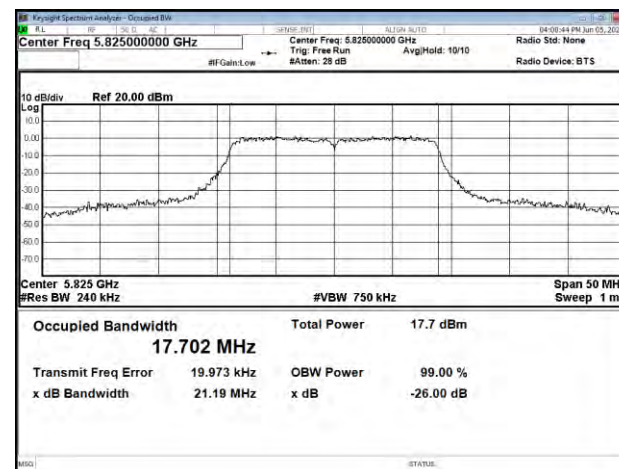
CH157



CH165

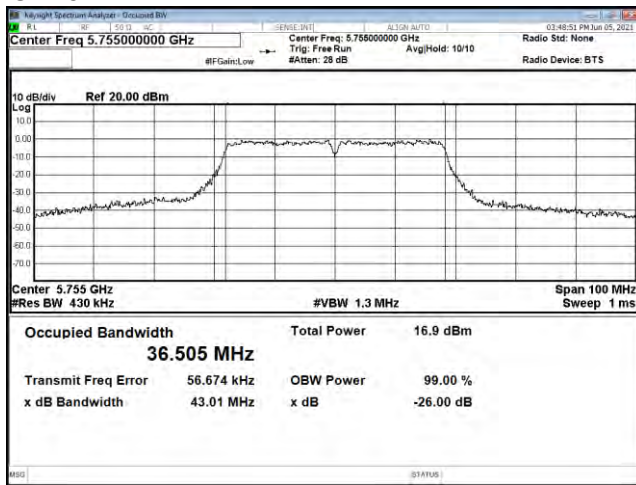


CH165

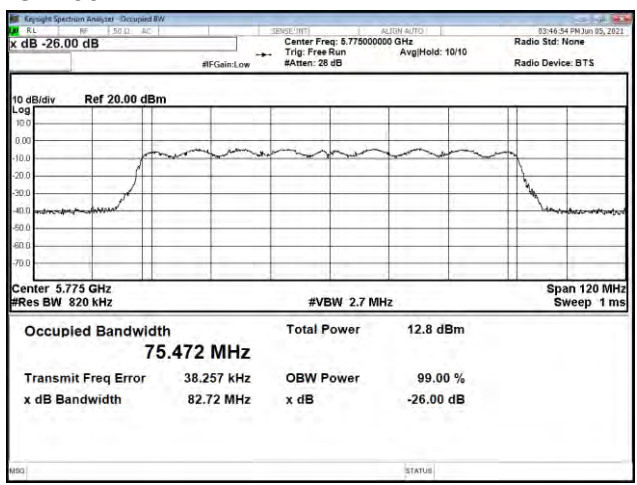




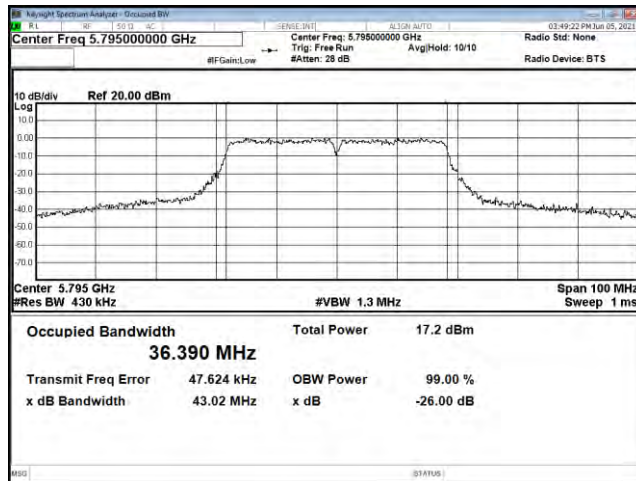
Modulation Standard: 802.11ac, VHT40
(13.5Mbps)
CH151

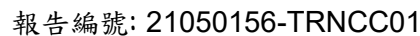


Modulation Standard: 802.11ac, VHT80
(29.3Mbps)
CH155

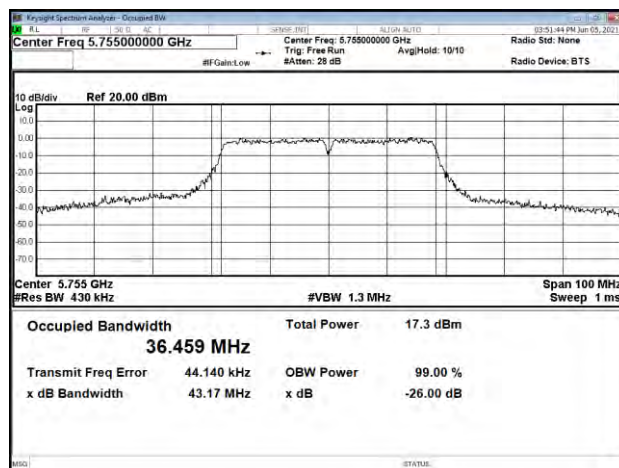


CH159

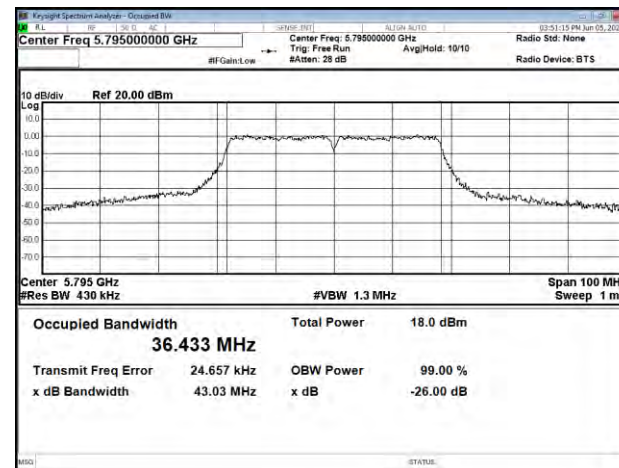




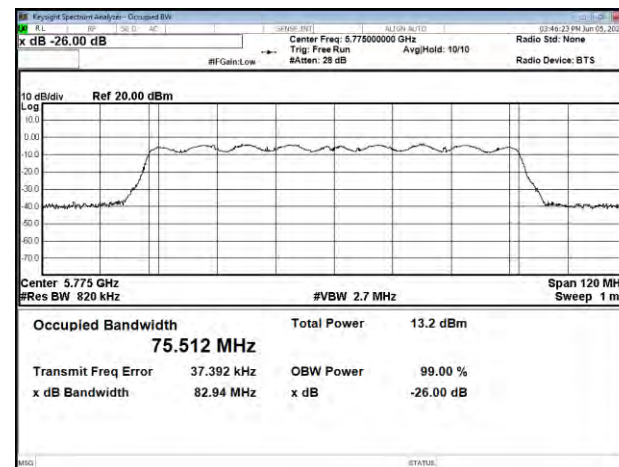
Modulation Standard: 802.11ac, VHT40
(27Mbps)
CH151



CH159



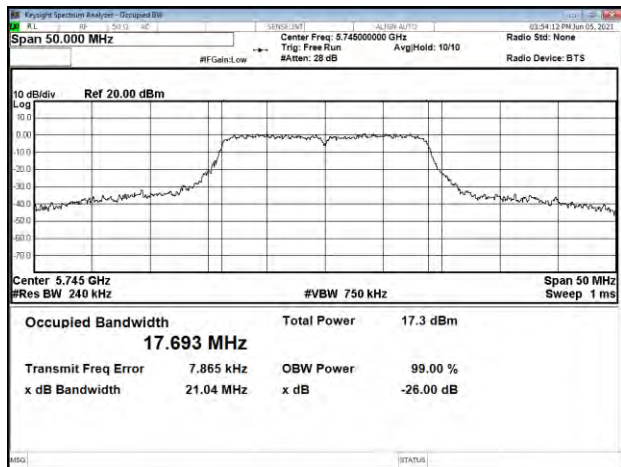
Modulation Standard: 802.11ac, VHT80
(58.5Mbps)
CH155



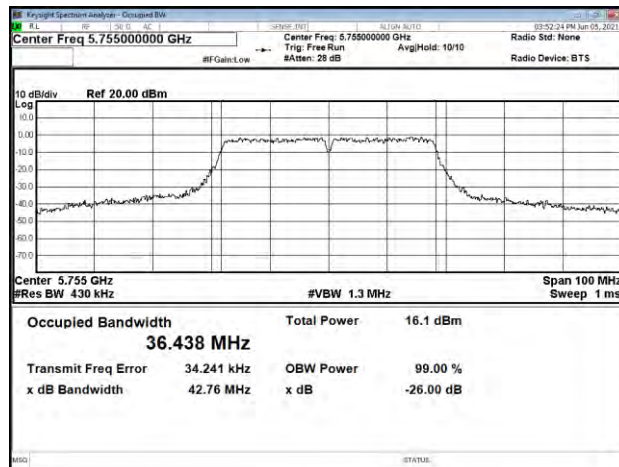


ANT B

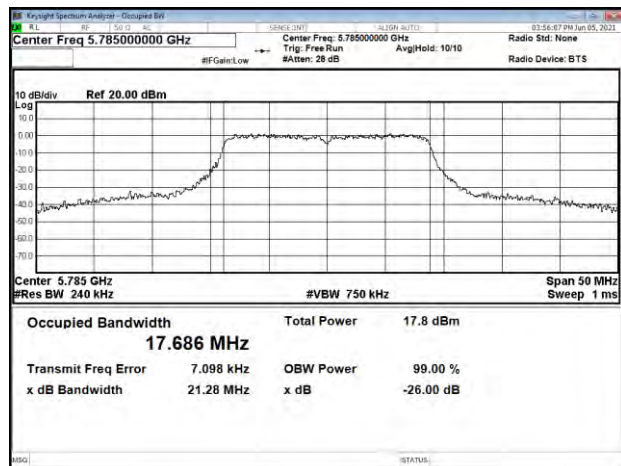
Modulation Standard: 802.11ac, VHT20
(13Mbps)
CH149



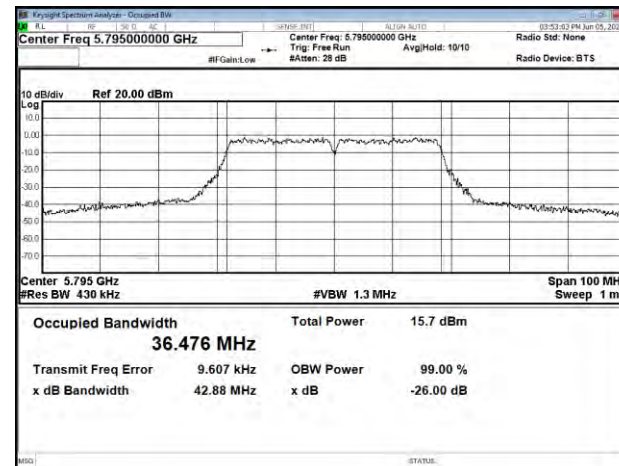
Modulation Standard: 802.11ac, VHT40
(27Mbps)
CH151



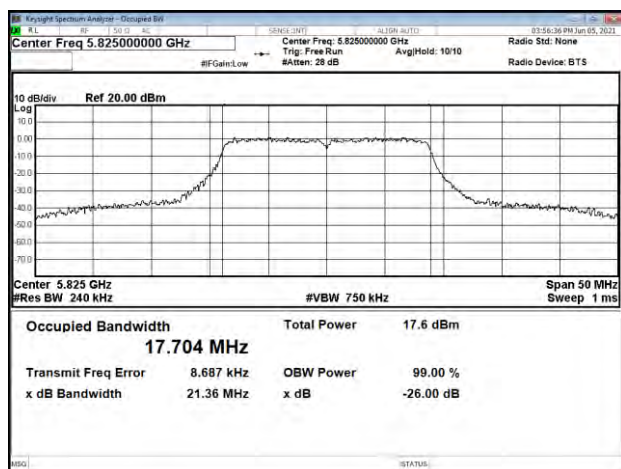
CH157



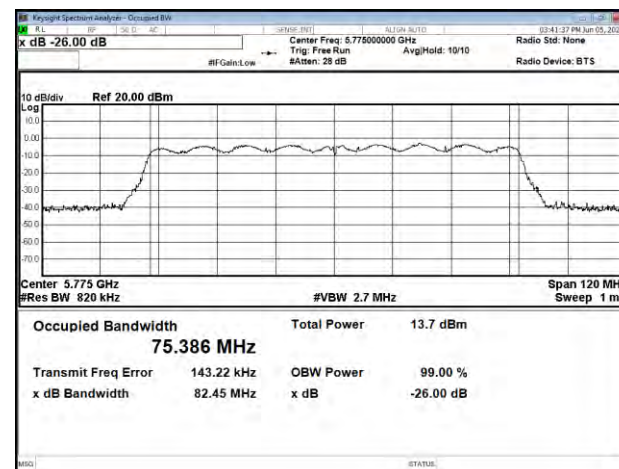
CH159



CH165



Modulation Standard: 802.11ac, VHT80
(58.5Mbps)
CH155





8. 26dB & 99% Occupied 頻寬之規定

8.1. 適用標準

使用頻率於 5.25 GHz~5.35 GHz 與 5.470 GHz~5.725 GHz 頻段
最大傳導輸出功率應小於或等於 250 mW 或 $11\text{dBm} + 10\log B$ (B 是 26 dB
發射頻寬, 單位 MHz) 之較小者

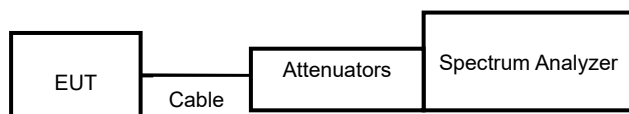
發射頻寬(emission bandwidth): 係測量訊號兩點之間寬度而得, 此兩
點是調變載波中心頻率上下兩邊, 相對其調變載波最高功率降低 26 dB
處。需使用峰值檢測(peak detector)功能及解析頻寬約等於受測物發射頻
寬 1%之儀器。

None; for reporting purposes only.

8.2. 測試方法

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 approximately 1% of the emission bandwidth, the VBW $\geq$ RBW, peak detector and max hold.

8.3. 測試配置





8.4. 測試結果及數據(26dB Bandwidth)

In the 5.2G Band
For 1TX

Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
			ANT A
802.11a	36	5180	21.37
	44	5220	22.75
	48	5240	22.84
802.11ac VHT20	36	5180	21.42
	44	5220	21.62
	48	5240	21.40
802.11ac VHT40	38	5190	43.00
	46	5230	43.38
802.11ac VHT80	42	5210	82.99

For 2TX

Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			ANT A	ANT B
802.11ac VHT20	36	5180	21.31	21.07
	44	5220	21.17	20.98
	48	5240	21.26	21.45
802.11ac VHT40	38	5190	42.18	42.94
	46	5230	42.67	42.92
802.11ac VHT80	42	5210	82.83	83.03

In the 5.3G Band
For 1TX

Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
			ANT A
802.11a	52	5260	23.55
	60	5300	24.39
	64	5320	24.46
802.11ac VHT20	52	5260	21.71
	60	5300	21.69
	64	5320	21.46
802.11ac VHT40	54	5270	43.29
	62	5310	42.21
802.11ac VHT80	58	5290	82.49

For 2TX

Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			ANT A	ANT B
802.11ac VHT20	52	5260	21.40	23.03
	60	5300	21.48	25.75
	64	5320	21.51	24.86
802.11ac VHT40	54	5270	43.25	43.04
	62	5310	42.94	43.32
802.11ac VHT80	58	5290	82.72	82.90



In the 5.5G Band
For 1TX

Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
			ANT A
802.11a	100	5500	24.48
	116	5580	20.38
	140	5700	20.48
802.11ac VHT20	100	5500	23.05
	116	5580	21.27
	140	5700	21.18
802.11ac VHT40	102	5510	42.77
	110	5550	42.90
	134	5670	43.00
802.11ac VHT80	106	5530	82.80

For 2TX

Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			ANT A	ANT B
802.11ac VHT20	100	5500	21.44	21.56
	116	5580	21.28	20.71
	140	5700	21.23	21.08
802.11ac VHT40	102	5510	42.40	42.64
	110	5550	43.00	43.05
	134	5670	42.77	43.05
802.11ac VHT80	106	5530	82.37	82.69

備註：繪圖資料請參考下頁。



8.5. 測試結果及數據(99% Occupied Bandwidth)

In the 5.2G Band

For 1TX

Mode	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
802.11a	36	5180	16.65
	44	5220	16.64
	48	5240	16.67
802.11ac VHT20	36	5180	17.73
	44	5220	17.73
	48	5240	17.72
802.11ac VHT40	38	5190	36.45
	46	5230	36.51
802.11ac VHT80	42	5210	75.52

For 2TX

Mode	Channel	Frequency (MHz)	99% Bandwidth(MHz)	
			ANT A	ANT B
802.11ac VHT20	36	5180	17.68	17.65
	44	5220	17.72	17.67
	48	5240	17.69	17.71
802.11ac VHT40	38	5190	36.43	36.42
	46	5230	36.40	36.42
802.11ac VHT80	42	5210	75.56	75.56

In the 5.3G Band

For 1TX

Mode	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
802.11a	52	5260	16.69
	60	5300	16.69
	64	5320	16.70
802.11ac VHT20	52	5260	17.73
	60	5300	17.76
	64	5320	17.76
802.11ac VHT40	54	5270	36.44
	62	5310	36.41
802.11ac VHT80	58	5290	75.48

For 2TX

Mode	Channel	Frequency (MHz)	99% Bandwidth(MHz)	
			ANT A	ANT B
802.11ac VHT20	52	5260	17.70	17.75
	60	5300	17.70	17.80
	64	5320	17.71	17.81
802.11ac VHT40	54	5270	36.47	36.47
	62	5310	36.43	36.50
802.11ac VHT80	58	5290	75.48	75.50

**In the 5.5G Band****For 1TX**

Mode	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
802.11a	100	5500	16.76
	116	5580	16.63
	140	5700	16.61
802.11ac VHT20	100	5500	17.83
	116	5580	17.69
	140	5700	17.71
802.11ac VHT40	102	5510	36.50
	110	5550	39.39
	134	5670	36.46
802.11ac VHT80	106	5530	75.56

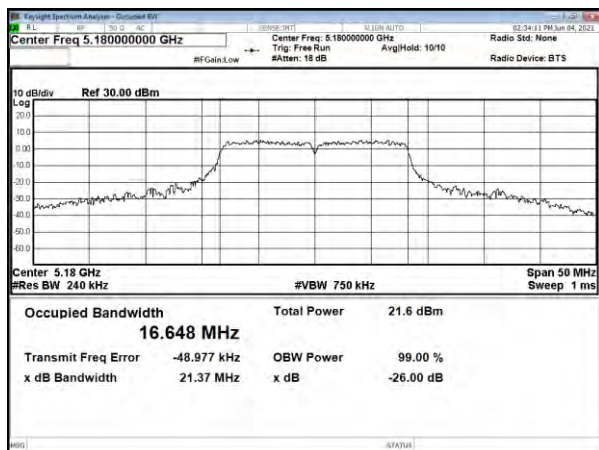
For 2TX

Mode	Channel	Frequency (MHz)	99% Bandwidth(MHz)	
			ANT A	ANT B
802.11ac VHT20	100	5500	17.75	17.68
	116	5580	17.68	17.66
	140	5700	17.69	17.68
802.11ac VHT40	102	5510	36.46	36.44
	110	5550	36.42	36.47
	134	5670	36.50	36.45
802.11ac VHT80	106	5530	75.49	75.50

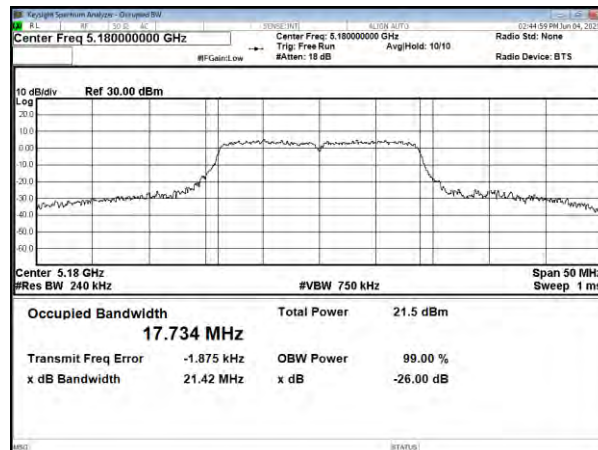
備註：繪圖資料請參考下頁。



For 1TX
ANT B
26dB Bandwidth &99% Occupied Bandwidth, Band 1
Modulation Standard: 802.11a (6Mbps)
CH36



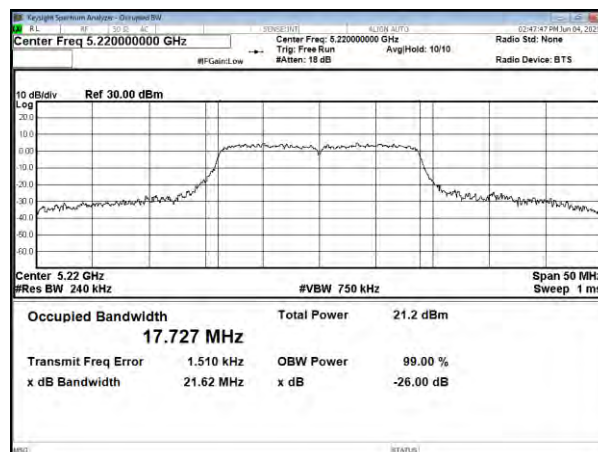
Modulation Standard: 802.11ac VHT20 (6.5Mbps)
CH36



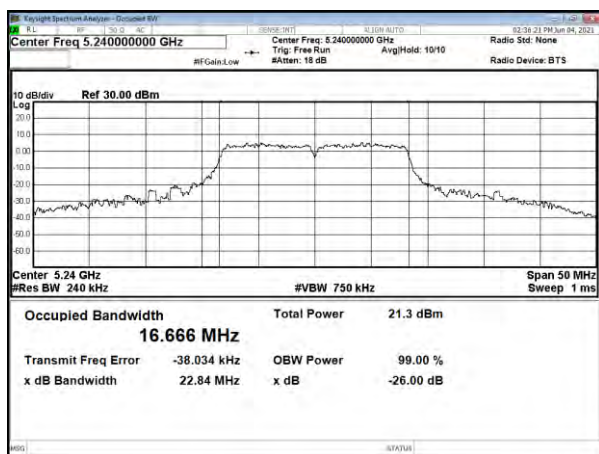
CH44



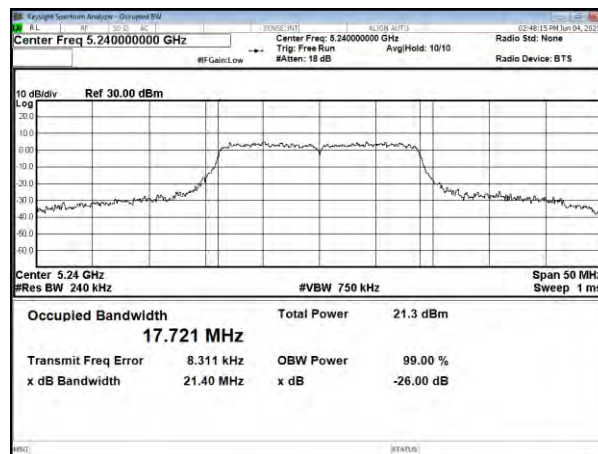
CH44



CH48



CH48

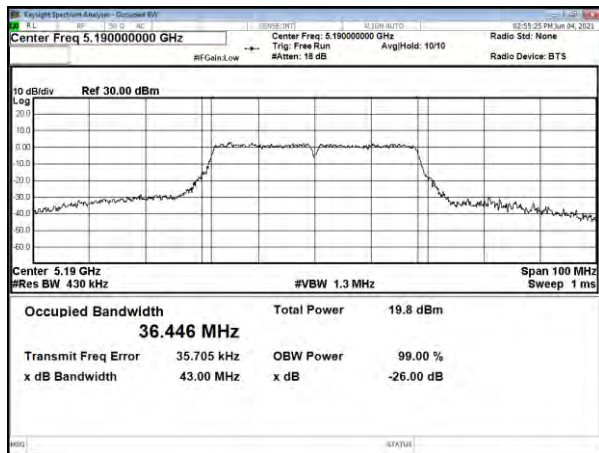




26dB Bandwidth &99% Occupied Bandwidth, Band 1

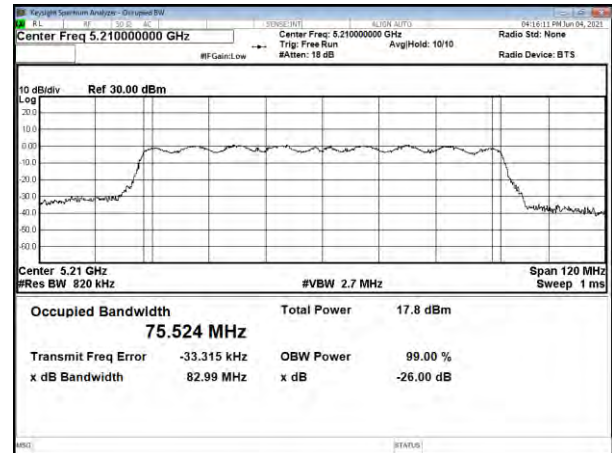
Modulation Standard: 802.11ac VHT40 (13.5Mbps)

CH38

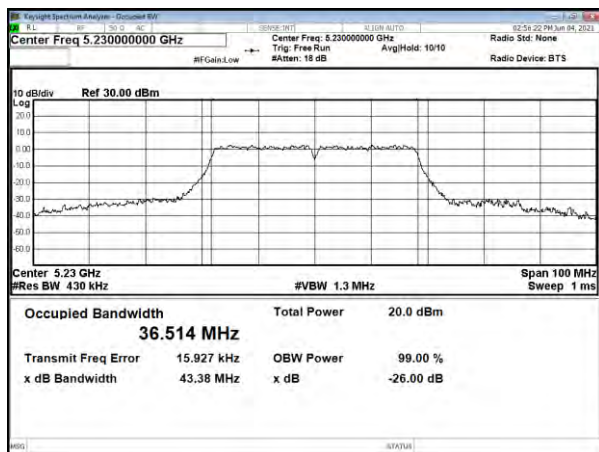


Modulation Standard: 802.11ac VHT80 (29.3Mbps)

CH42



CH46

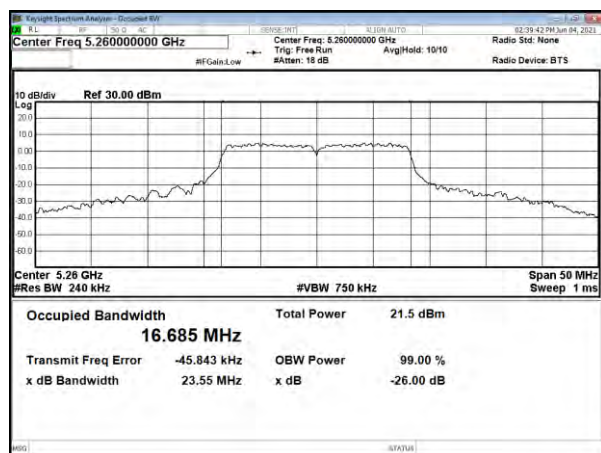




26dB Bandwidth & 99% Occupied Bandwidth, Band 2

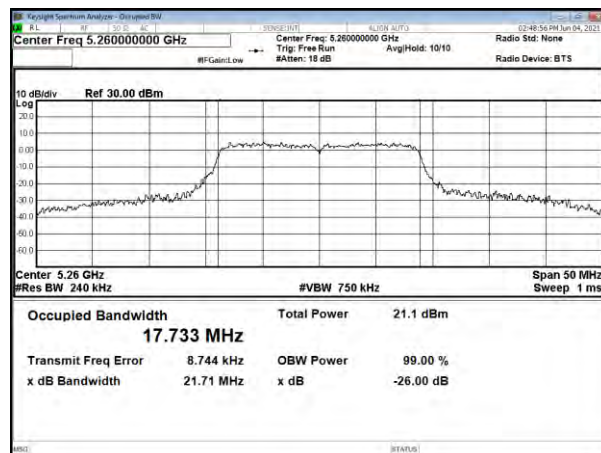
Modulation Standard: 802.11a (6Mbps)

CH52

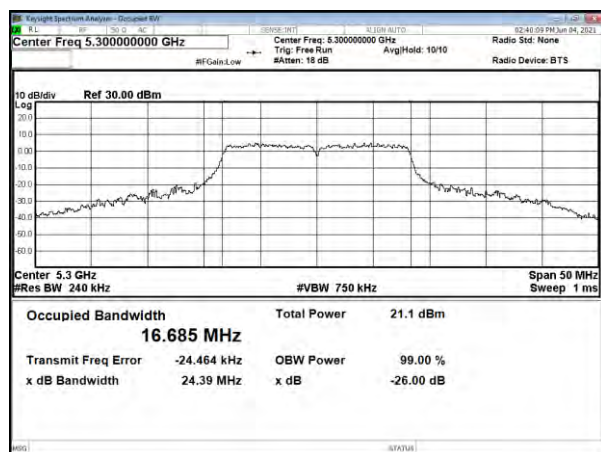


Modulation Standard: 802.11ac VHT20 (6.5Mbps)

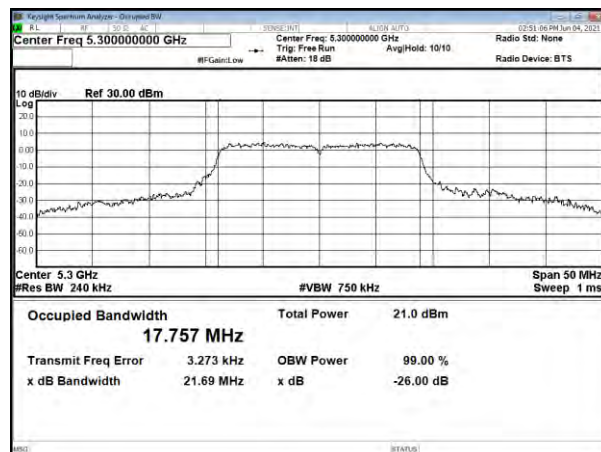
CH52



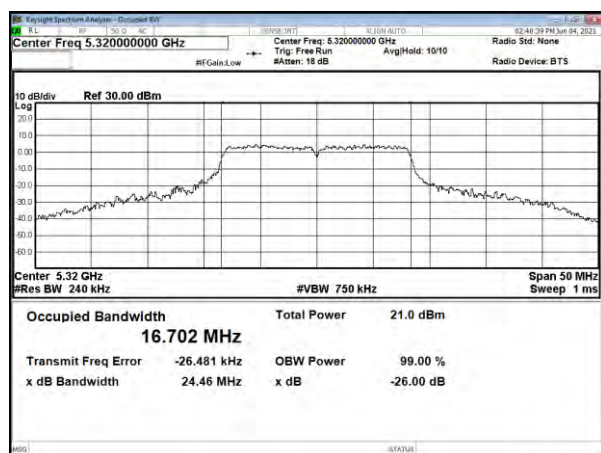
CH60



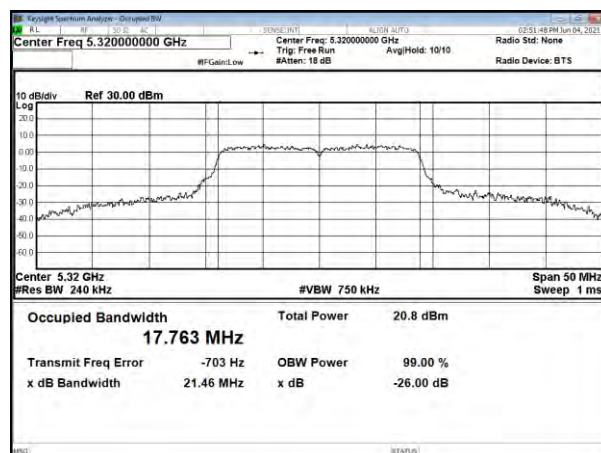
CH60



CH64



CH64

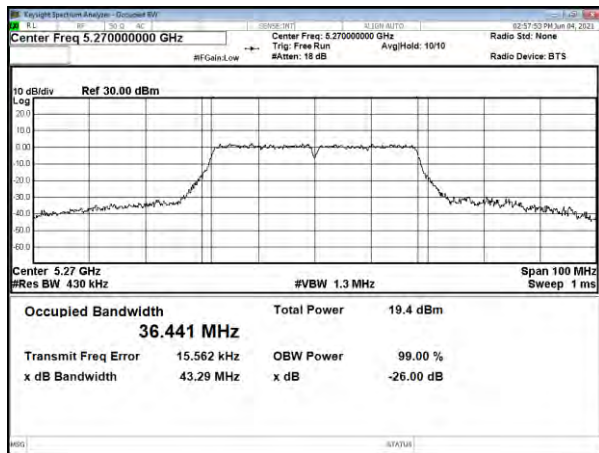




26dB Bandwidth &99% Occupied Bandwidth, Band 2

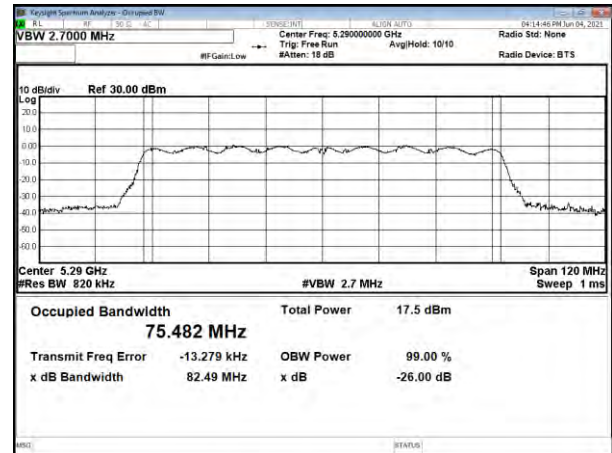
Modulation Standard: 802.11ac VHT40 (13.5Mbps)

CH54



Modulation Standard: 802.11ac VHT80 (29.3Mbps)

CH58



CH62

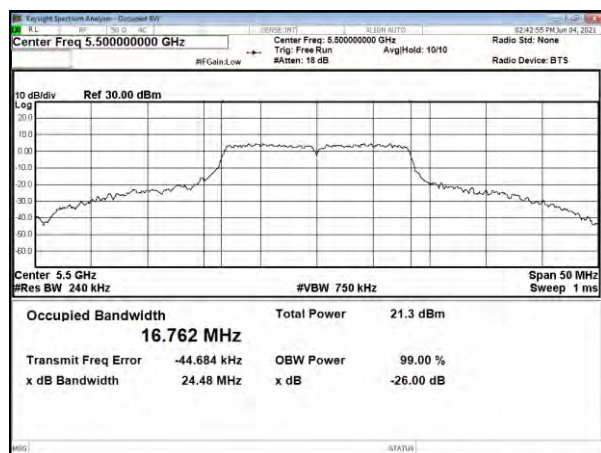




26dB Bandwidth & 99% Occupied Bandwidth, Band 3

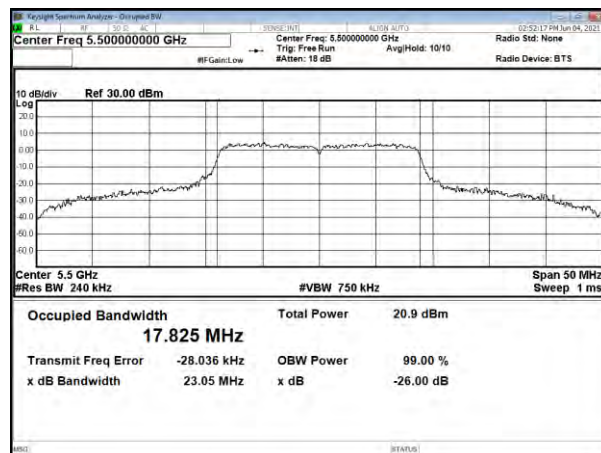
Modulation Standard: 802.11a (6Mbps)

CH100

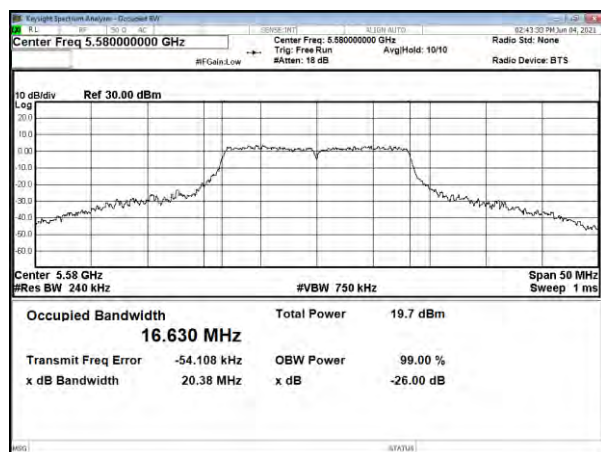


Modulation Standard: 802.11ac VHT20 (6.5Mbps)

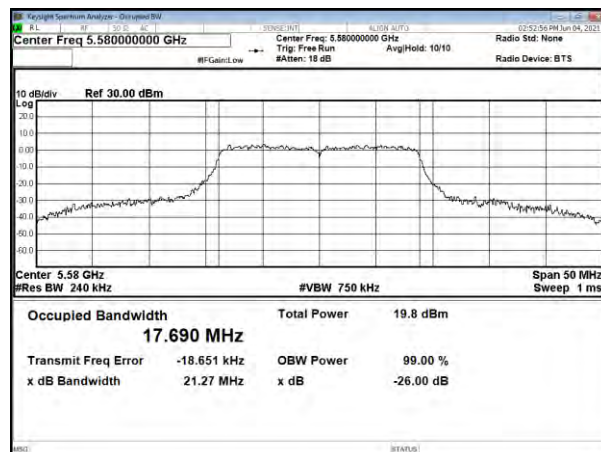
CH100



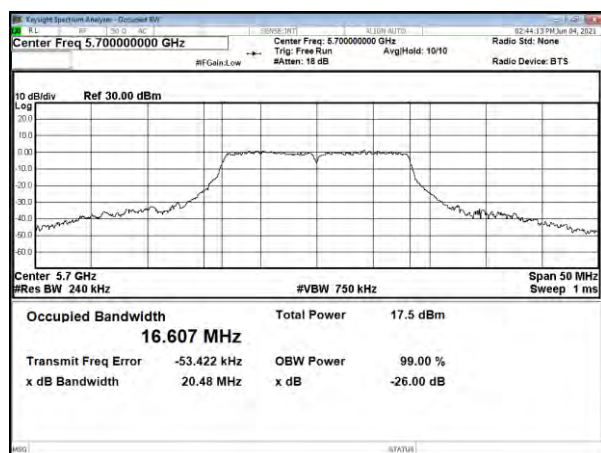
CH116



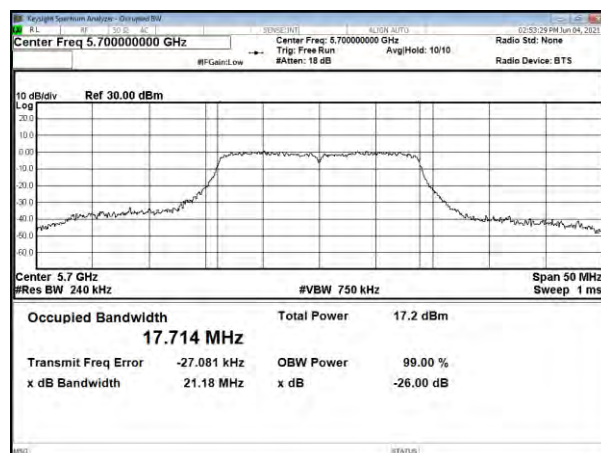
CH116



CH140



CH140

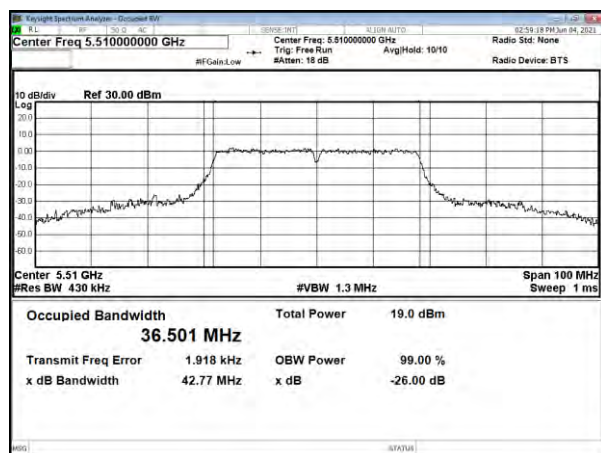




26dB Bandwidth & 99% Occupied Bandwidth, Band 3

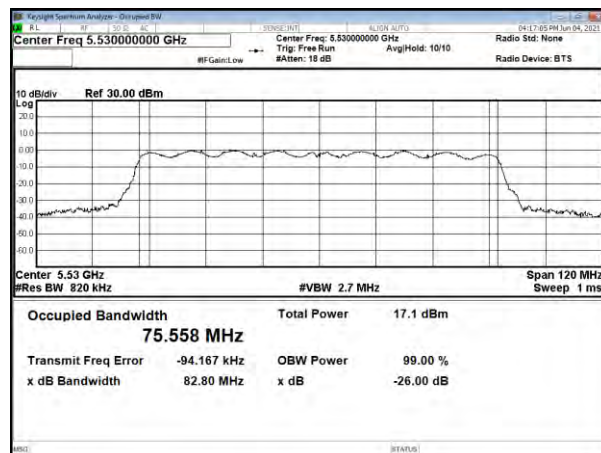
Modulation Standard: 802.11ac VHT40 (13.5Mbps)

CH102

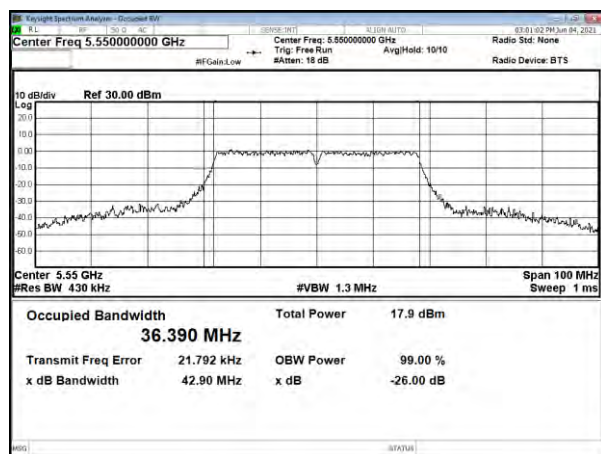


Modulation Standard: 802.11ac VHT80 (29.3Mbps)

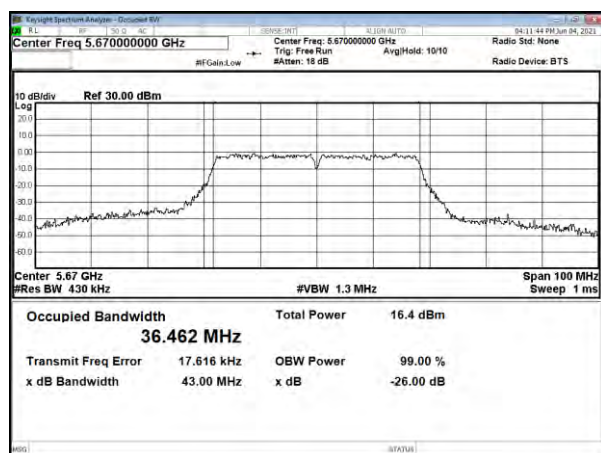
CH106



CH1110



CH134





For 2TX
ANT A
26dB Bandwidth &99% Occupied Bandwidth, Band 1

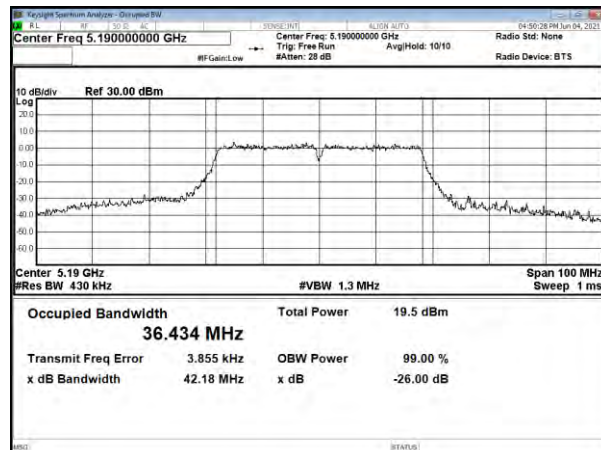
Modulation Standard: 802.11ac VHT20 (6.5Mbps)

CH36

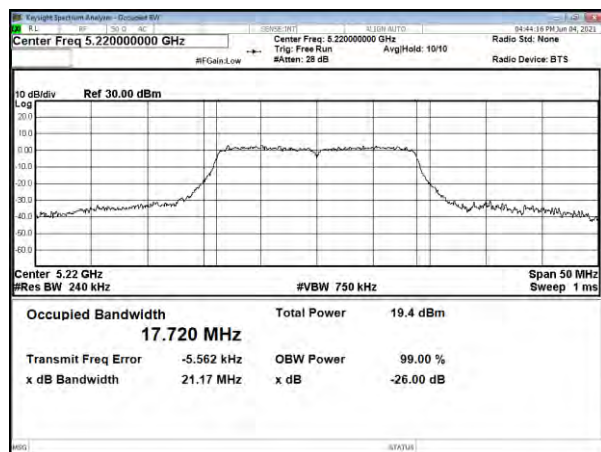


Modulation Standard: 802.11ac VHT40 (13.5Mbps)

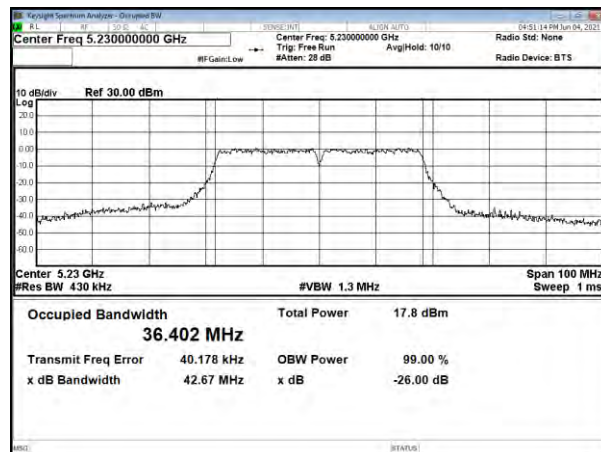
CH38



CH44

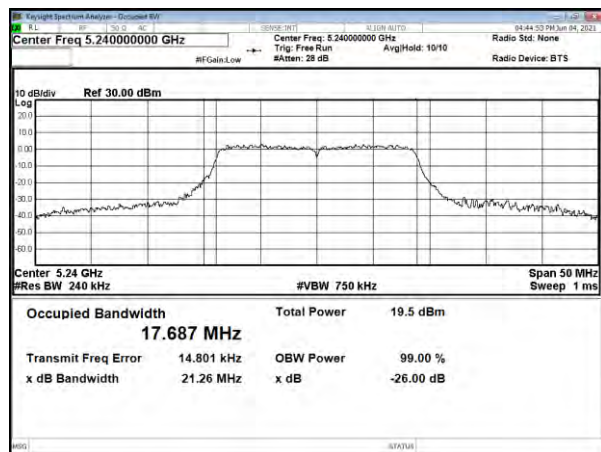


CH46

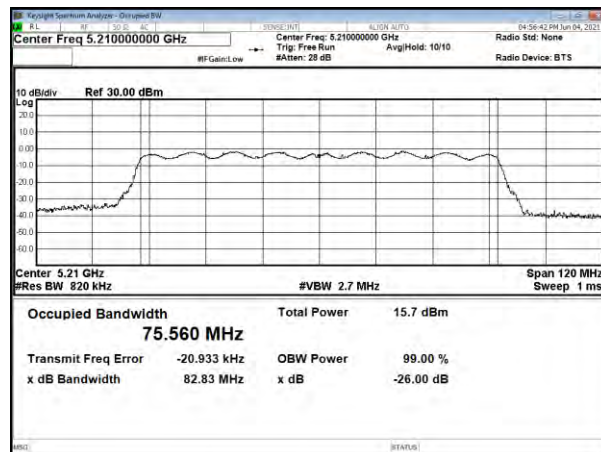


Modulation Standard: 802.11ac VHT80 (29.3Mbps)

CH48



CH42

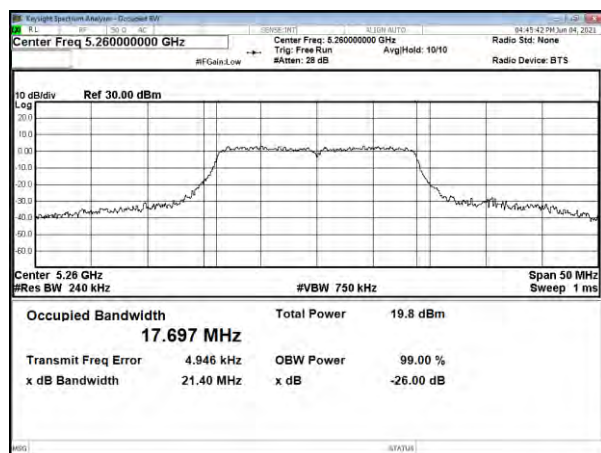




26dB Bandwidth & 99% Occupied Bandwidth, Band 2

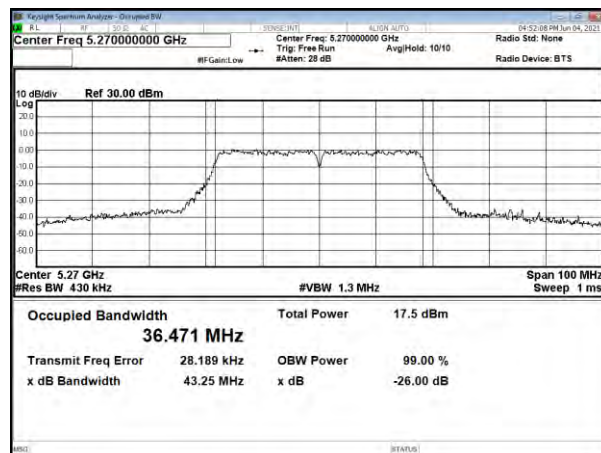
Modulation Standard: 802.11ac VHT20 (6.5Mbps)

CH52

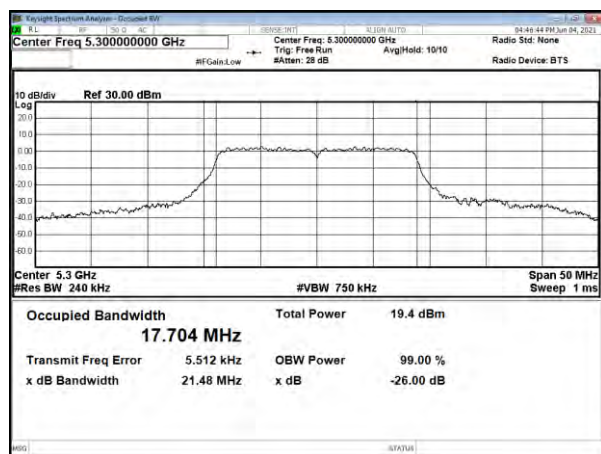


Modulation Standard: 802.11ac VHT40 (13.5Mbps)

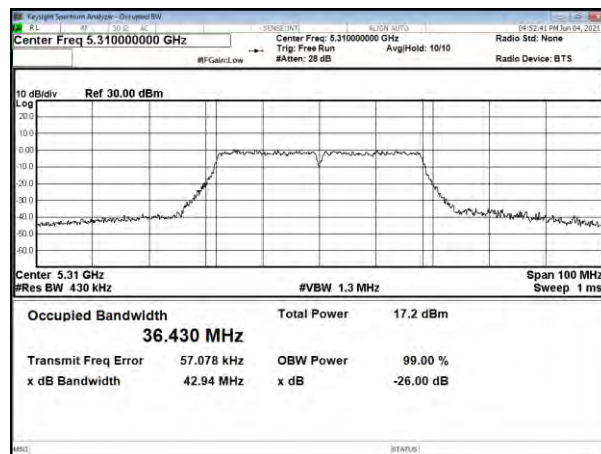
CH54



CH60

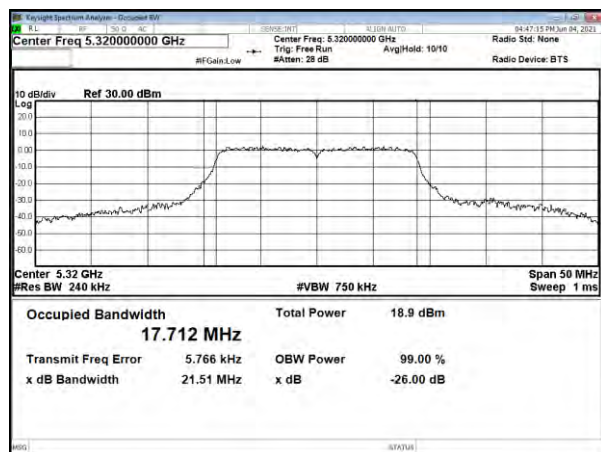


CH62

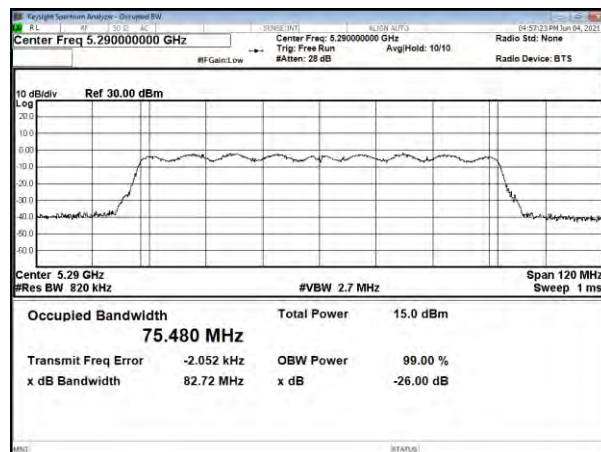


Modulation Standard: 802.11ac VHT80 (29.3Mbps)

CH64



CH58

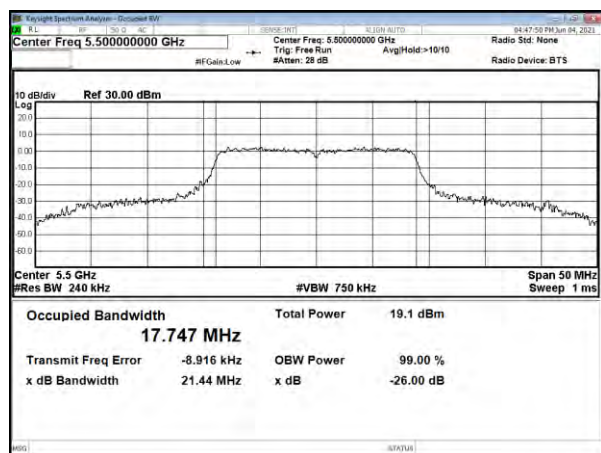




26dB Bandwidth & 99% Occupied Bandwidth, Band 3

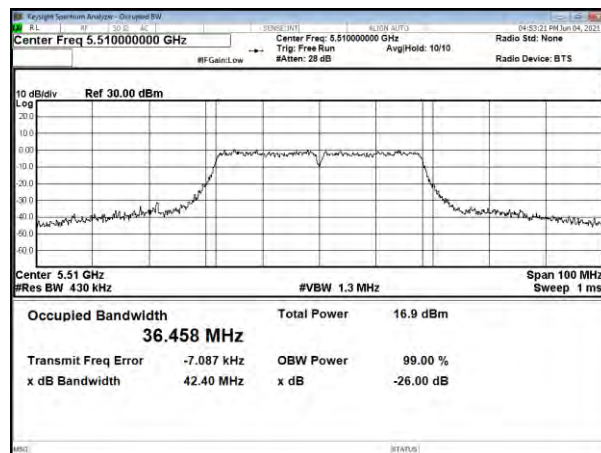
Modulation Standard: 802.11ac VHT20 (6.5Mbps)

CH100

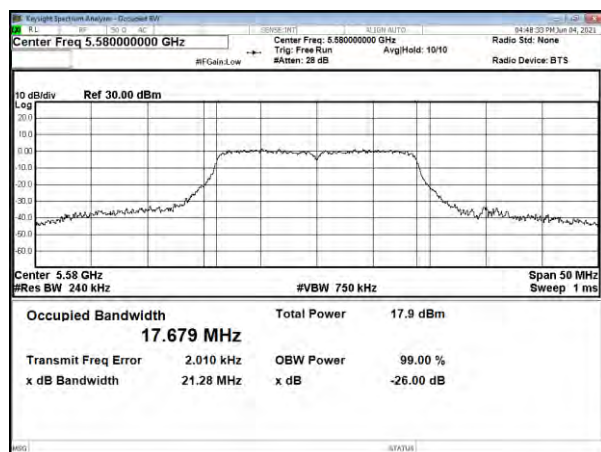


Modulation Standard: 802.11ac VHT40 (13.5Mbps)

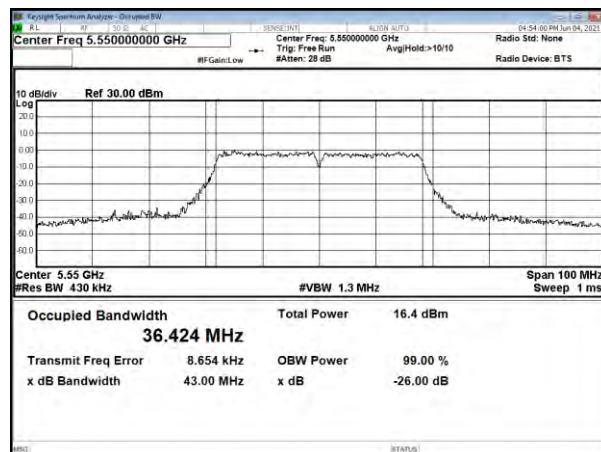
CH102



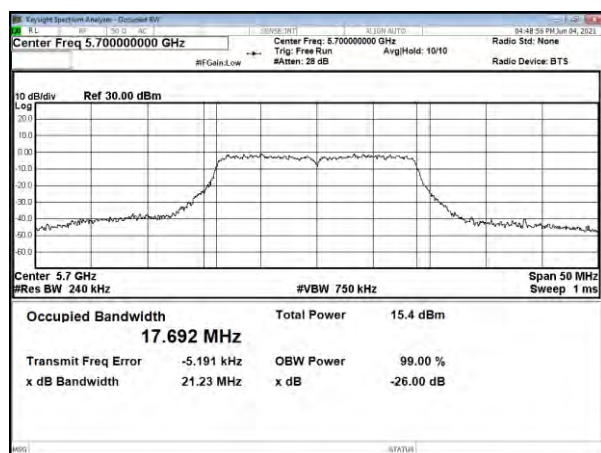
CH116



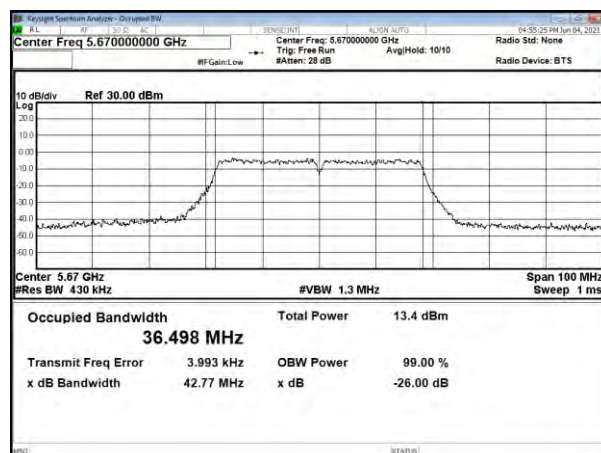
CH110



CH140



CH134

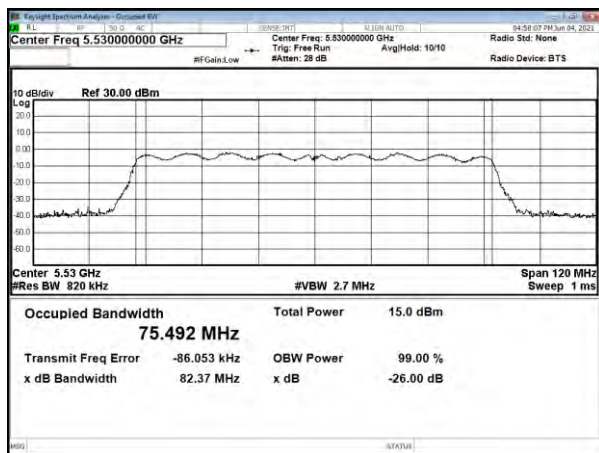




26dB Bandwidth &99% Occupied Bandwidth, Band 3

Modulation Standard: 802.11ac VHT80 (29.3Mbps)

CH106



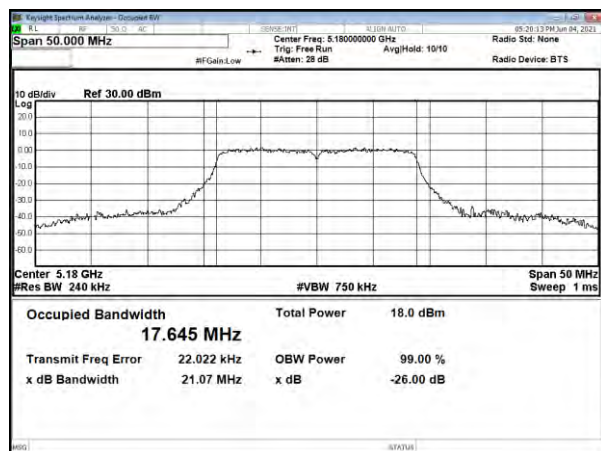


ANT B

26dB Bandwidth &99% Occupied Bandwidth, Band 1

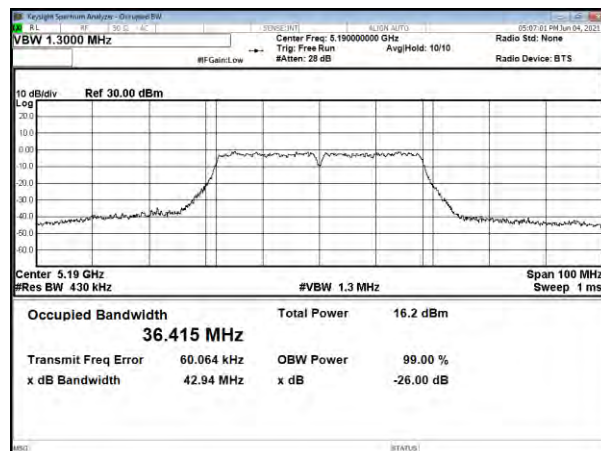
Modulation Standard: 802.11ac VHT20 (6.5Mbps)

CH36



Modulation Standard: 802.11ac VHT40 (13.5Mbps)

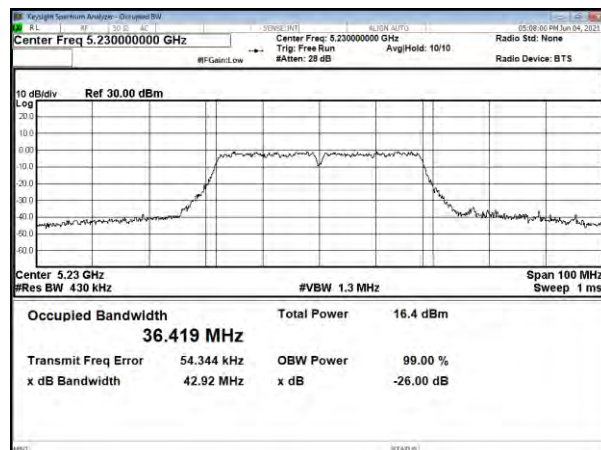
CH38



CH44

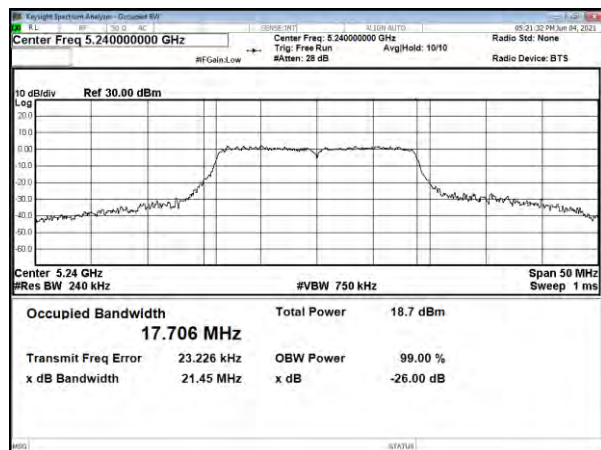


CH46

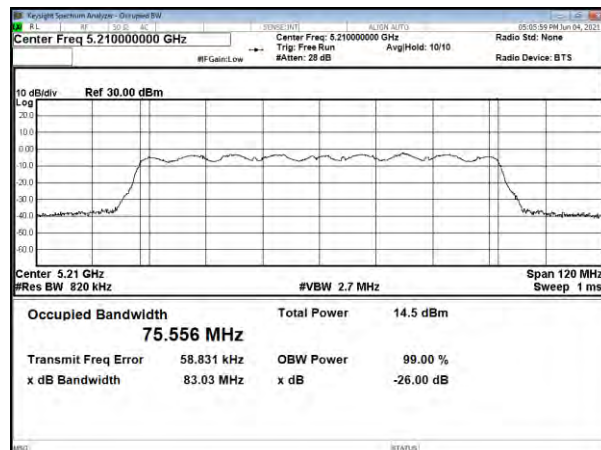


Modulation Standard: 802.11ac VHT80 (29.3Mbps)

CH48



CH42

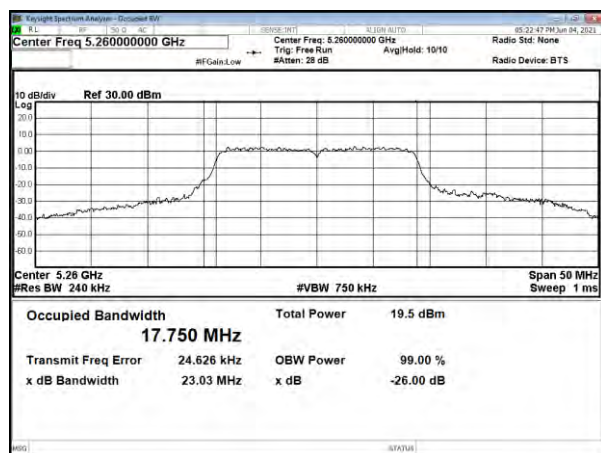




26dB Bandwidth & 99% Occupied Bandwidth, Band 2

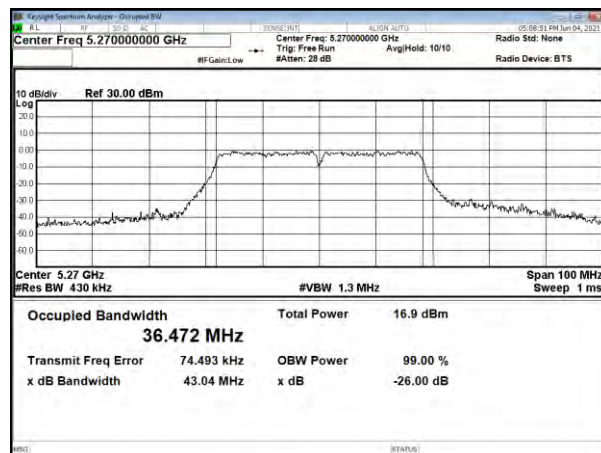
Modulation Standard: 802.11ac VHT20 (6.5Mbps)

CH52

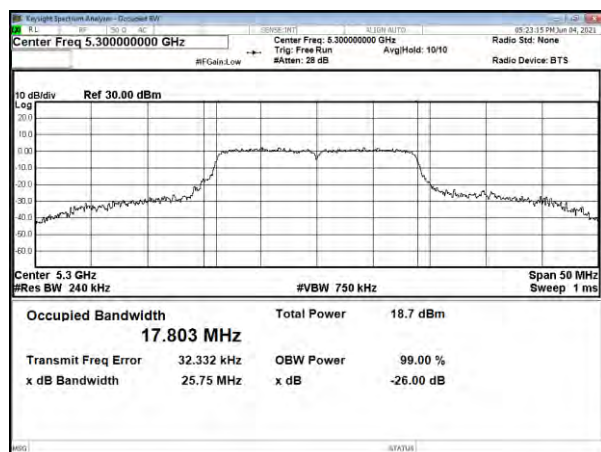


Modulation Standard: 802.11ac VHT40 (13.5Mbps)

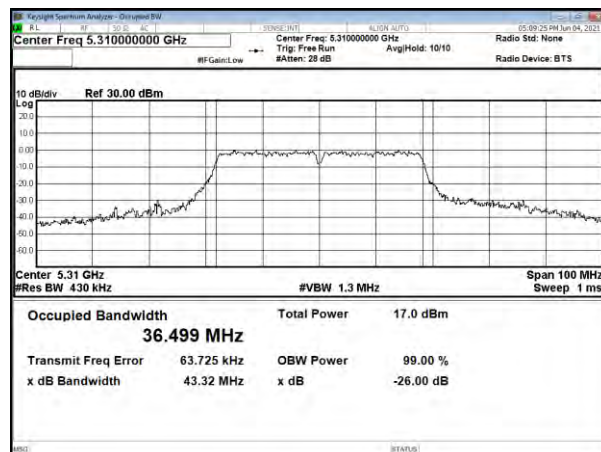
CH54



CH60



CH62

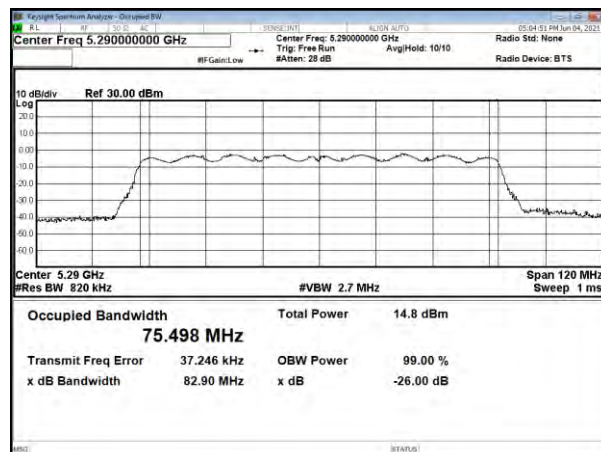


Modulation Standard: 802.11ac VHT80 (29.3Mbps)

CH64



CH58

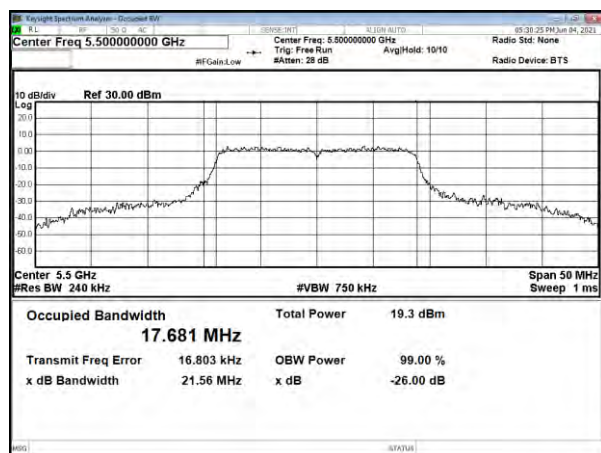




26dB Bandwidth & 99% Occupied Bandwidth, Band 3

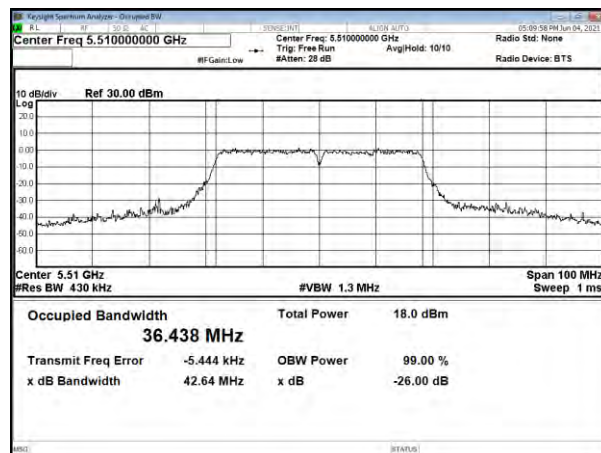
Modulation Standard: 802.11ac VHT20 (6.5Mbps)

CH100

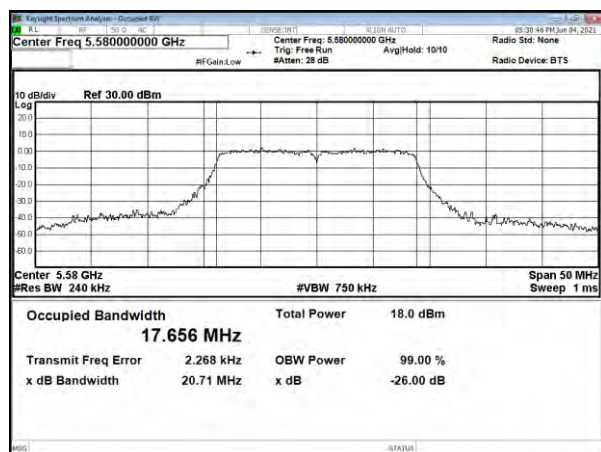


Modulation Standard: 802.11ac VHT40 (13.5Mbps)

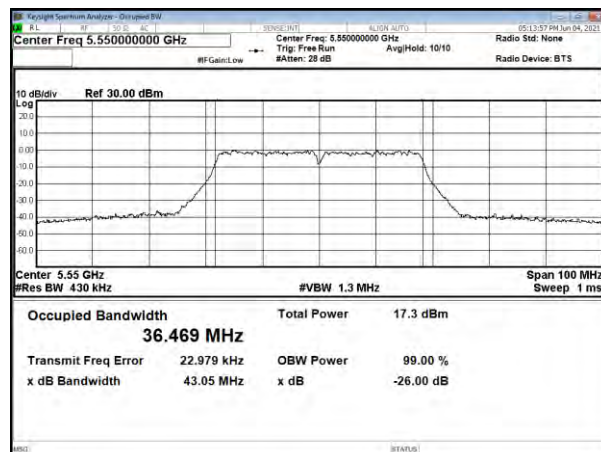
CH102



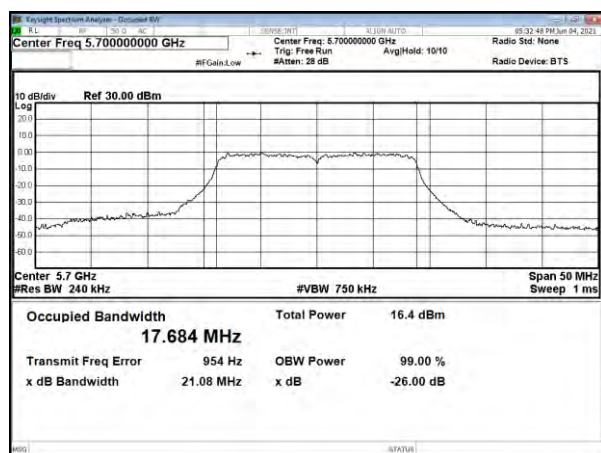
CH116



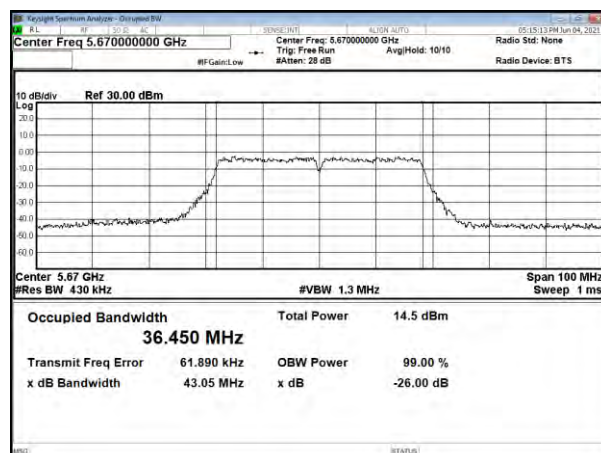
CH110



CH140



CH134

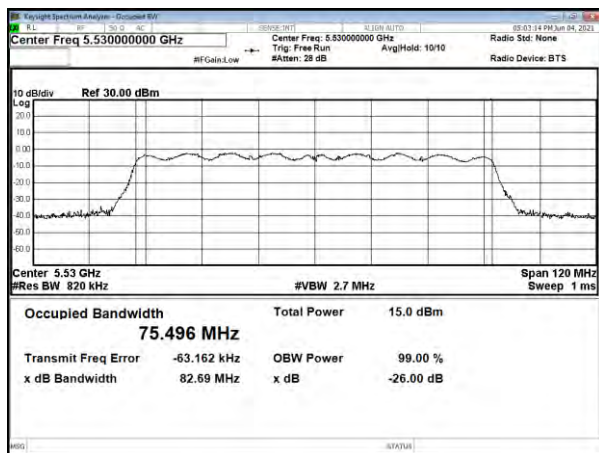




26dB Bandwidth &99% Occupied Bandwidth, Band 3

Modulation Standard: 802.11ac VHT80 (29.3Mbps)

CH106





9. 傳導輸出功率

9.1. 適用標準

依照國家通訊傳播委員會低功率射頻器材技術規範(5.7.3)節功率限制規定如下:

操作於 5.15G-5.25G 頻段者	
☐	供戶外操作使用：最大傳導輸出功率應小於 1W。
☐	供室內操作使用：最大傳導輸出功率應小於 1W。
☐	供固定式點對點操作使用：最大傳導輸出功率應小於 1W。
☒	供用戶端裝置(Client Device)操作使用：最大傳導輸出功率應小於 250mW。
操作於 5.25G-5.35G 與 5.470G-5.725G 頻段者 最大傳導輸出功率應小於 250mW 或 $11\text{dBm} + 10\log B$ (B 是 26dB 發射頻寬，單位 MHz) 之較小者。	
操作於 5.725G-5.850G 頻段者 最大傳導輸出功率應小於 1W。	

9.2. 測試方法

The transmitter output is connected to a power meter.

Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

9.3. 測試配置





9.4. 測試結果及數據

In the 5.2G Band

For 1TX

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Avg Power Output (dBm)		Avg Power Output (mW)		Power Limit (dBm)
					ANT A	ANT B	ANT A	ANT B	
11a	6 Mbps	50	36	5180	14.34	14.31	27.164	26.977	24.00
11a	6 Mbps	50	44	5220	15.05	15.02	31.989	31.769	24.00
11a	6 Mbps	50	48	5240	14.99	14.92	31.550	31.046	24.00
11n HT20	MCS 0	50	36	5180	14.62	14.57	28.973	28.642	24.00
11n HT20	MCS 0	50	44	5220	15.02	14.89	31.769	30.832	24.00
11n HT20	MCS 0	50	48	5240	15.14	15.04	32.659	31.915	24.00
11n HT40	MCS 0	45	38	5190	12.60	12.57	18.197	18.072	24.00
11n HT40	MCS 0	45	46	5230	12.95	12.90	19.724	19.498	24.00
11ac VHT20	MCS 0	50	36	5180	14.69	14.63	29.444	29.040	24.00
11ac VHT20	MCS 0	50	44	5220	15.05	14.99	31.989	31.550	24.00
11ac VHT20	MCS 0	50	48	5240	15.19	15.12	33.037	32.509	24.00
11ac VHT40	MCS 0	45	38	5190	12.62	12.57	18.281	18.072	24.00
11ac VHT40	MCS 0	45	46	5230	13.01	12.94	19.999	19.679	24.00
11ac VHT80	MCS 0	40	42	5210	10.57	10.52	11.402	11.272	24.00

For 2TX

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Avg Power Output (dBm)		Total Power (dBm)	Total Power (mW)	Power Limit (dBm)
					ANT A	ANT B	A+B	A+B	
11n HT20	MCS8	50	36	5180	12.31	11.44	14.91	30.953	24.00
11n HT20	MCS8	50	44	5220	12.72	12.14	15.45	35.075	24.00
11n HT20	MCS8	50	48	5240	13.35	12.54	15.97	39.575	24.00
11n HT40	MCS8	50	38	5190	11.01	10.93	13.98	25.006	24.00
11n HT40	MCS8	50	46	5230	11.62	11.44	14.54	28.453	24.00
11ac VHT20	MCS8	50	36	5180	12.35	11.47	14.94	31.207	24.00
11ac VHT20	MCS8	50	44	5220	12.74	12.17	15.47	35.275	24.00
11ac VHT20	MCS8	50	48	5240	13.39	12.58	16.01	39.941	24.00
11ac VHT40	MCS8	45	38	5190	11.05	10.95	14.01	25.180	24.00
11ac VHT40	MCS8	45	46	5230	11.64	11.47	14.57	28.616	24.00
11ac VHT80	MCS8	40	42	5210	10.60	9.52	13.10	20.435	24.00



In the 5.3G Band For 1TX

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Avg Power Output (dBm)		Avg Power Output (mW)		Power Limit (dBm)
					ANT A	ANT B	ANT A	ANT B	
11a	6 Mbps	50	52	5260	14.94	14.90	31.189	30.903	24.00
11a	6 Mbps	50	60	5300	14.26	14.22	26.669	26.424	24.00
11a	6 Mbps	50	64	5320	13.96	13.91	24.889	24.604	24.00
11n HT20	MCS 0	50	52	5260	15.48	15.44	35.318	34.995	24.00
11n HT20	MCS 0	50	60	5300	14.44	14.39	27.797	27.479	24.00
11n HT20	MCS 0	50	64	5320	13.92	13.87	24.660	24.378	24.00
11n HT40	MCS 0	45	54	5270	12.65	12.58	18.408	18.113	24.00
11n HT40	MCS 0	45	62	5310	12.00	11.96	15.849	15.704	24.00
11ac VHT20	MCS 0	50	52	5260	15.51	15.47	35.563	35.237	24.00
11ac VHT20	MCS 0	50	60	5300	14.46	14.42	27.925	27.669	24.00
11ac VHT20	MCS 0	50	64	5320	13.95	13.91	24.831	24.604	24.00
11ac VHT40	MCS 0	45	54	5270	12.68	12.59	18.535	18.155	24.00
11ac VHT40	MCS 0	45	62	5310	12.04	11.94	15.996	15.631	24.00
11ac VHT80	MCS 0	40	58	5290	9.59	9.54	9.099	8.995	24.00

For 2TX

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Avg Power Output (dBm)		Total Power (dBm)	Total Power (mW)	Power Limit (dBm)
					ANT A	ANT B	A+B	A+B	
11a	MCS8	50	52	5260	13.14	12.24	15.72	37.356	24.00
11a	MCS8	50	60	5300	12.32	12.02	15.18	32.983	24.00
11a	MCS8	50	64	5320	12.20	11.94	15.08	32.227	24.00
11n HT20	MCS8	45	54	5270	12.31	11.40	14.89	30.825	24.00
11n HT20	MCS8	45	62	5310	10.88	11.62	14.28	26.767	24.00
11n HT20	MCS8	50	52	5260	13.19	12.28	15.77	37.749	24.00
11n HT40	MCS8	50	60	5300	12.36	12.05	15.22	33.251	24.00
11n HT40	MCS8	50	64	5320	12.22	11.98	15.11	32.449	24.00
11ac VHT20	MCS8	45	54	5270	12.35	11.44	14.93	31.111	24.00
11ac VHT20	MCS8	45	62	5310	10.90	11.69	14.32	27.060	24.00
11ac VHT20	MCS8	40	58	5290	10.11	9.65	12.90	19.482	24.00
11ac VHT40	MCS8	50	52	5260	13.14	12.24	15.72	37.356	24.00
11ac VHT40	MCS8	50	60	5300	12.32	12.02	15.18	32.983	24.00
11ac VHT80	MCS8	50	64	5320	12.20	11.94	15.08	32.227	24.00

**In the 5.5G Band
For 1TX**

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Avg Power Output (dBm)		Avg Power Output (mW)		Power Limit (dBm)
					ANT A	ANT B	ANT A	ANT B	
11a	6 Mbps	50	100	5500	14.17	14.10	26.122	25.704	24.00
11a	6 Mbps	50	116	5580	14.36	14.31	27.290	26.977	24.00
11a	6 Mbps	50	140	5700	10.58	10.52	11.429	11.272	24.00
11n HT20	MCS 0	50	100	5500	13.89	13.81	24.491	24.044	24.00
11n HT20	MCS 0	50	116	5580	13.56	13.51	22.699	22.439	24.00
11n HT20	MCS 0	50	140	5700	11.72	11.67	14.859	14.689	24.00
11n HT40	MCS 0	45	102	5510	12.24	12.19	16.749	16.558	24.00
11n HT40	MCS 0	45	110	5550	12.42	12.38	17.458	17.298	24.00
11n HT40	MCS 0	45	134	5670	11.03	10.89	12.677	12.274	24.00
11ac VHT20	MCS 0	50	100	5500	14.01	13.42	25.177	21.979	24.00
11ac VHT20	MCS 0	50	116	5580	14.14	14.11	25.942	25.763	24.00
11ac VHT20	MCS 0	50	140	5700	11.78	11.70	15.066	14.791	24.00
11ac VHT40	MCS 0	45	102	5510	12.29	12.23	16.943	16.711	24.00
11ac VHT40	MCS 0	45	110	5550	12.44	12.24	17.539	16.749	24.00
11ac VHT40	MCS 0	45	134	5670	11.04	10.96	12.706	12.474	24.00
11ac VHT80	MCS 0	40	106	5530	9.57	9.51	9.057	8.933	24.00

For 2TX

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Avg Power Output (dBm)		Total Power (dBm)	Total Power (mW)	Power Limit (dBm)
					ANT A	ANT B	A+B	A+B	
11n HT20	MCS8	50	100	5500	12.48	12.42	15.46	35.159	24.00
11n HT20	MCS8	50	116	5580	12.22	11.57	14.92	31.027	24.00
11n HT20	MCS8	50	140	5700	12.10	11.06	14.62	28.982	24.00
11n HT40	MCS8	45	102	5510	11.52	10.81	14.19	26.241	24.00
11n HT40	MCS8	45	110	5550	12.14	11.93	15.05	31.964	24.00
11n HT40	MCS8	45	134	5670	10.70	10.41	13.57	22.739	24.00
11ac VHT20	MCS 0	50	100	5500	12.51	12.43	15.48	35.322	24.00
11ac VHT20	MCS 0	50	116	5580	12.24	11.62	14.95	31.271	24.00
11ac VHT20	MCS 0	50	140	5700	12.12	11.09	14.65	29.146	24.00
11ac VHT40	MCS 0	45	102	5510	11.58	10.84	14.24	26.522	24.00
11ac VHT40	MCS 0	45	110	5550	12.15	11.97	15.07	32.146	24.00
11ac VHT40	MCS 0	45	134	5670	10.73	10.45	13.60	22.922	24.00
11ac VHT80	MCS 0	40	106	5530	10.06	10.02	13.05	20.185	24.00

**In the 5.8G Band
For 1TX**

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Avg Power Output (dBm)		Avg Power Output (mW)		Power Limit (dBm)
					ANT A	ANT B	ANT A	ANT B	
11a	6 Mbps	50	149	5745	12.18	12.11	16.520	16.255	30.00
11a	6 Mbps	50	157	5785	13.19	13.14	20.845	20.606	30.00
11a	6 Mbps	50	165	5825	13.89	13.84	24.491	24.210	30.00
11n HT20	MCS 0	50	149	5745	12.01	11.78	15.885	15.066	30.00
11n HT20	MCS 0	50	157	5785	13.14	12.95	20.606	19.724	30.00
11n HT20	MCS 0	50	165	5825	13.65	13.57	23.174	22.751	30.00
11n HT40	MCS 0	45	151	5755	10.32	10.29	10.765	10.691	30.00
11n HT40	MCS 0	45	159	5795	11.16	11.10	13.062	12.882	30.00
11ac VHT20	MCS 0	50	149	5745	12.05	11.97	16.032	15.740	30.00
11ac VHT20	MCS 0	50	157	5785	13.18	13.10	20.797	20.417	30.00
11ac VHT20	MCS 0	50	165	5825	13.70	13.64	23.442	23.121	30.00
11ac VHT40	MCS 0	45	151	5755	10.35	10.28	10.839	10.666	30.00
11ac VHT40	MCS 0	45	159	5795	11.18	11.11	13.122	12.912	30.00
11ac VHT80	MCS 0	40	155	5775	10.36	10.34	10.864	10.814	30.00

For 2TX

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Avg Power Output (dBm)		Total Power (dBm)	Total Power (mW)	Power Limit (dBm)
					ANT A	ANT B	A+B	A+B	
11n HT20	MCS8	50	149	5745	12.10	12.03	15.08	32.177	30.00
11n HT20	MCS8	50	157	5785	11.62	11.48	14.56	28.582	30.00
11n HT20	MCS8	50	165	5825	12.41	12.25	15.34	34.206	30.00
11n HT40	MCS8	45	151	5755	11.63	11.60	14.63	29.009	30.00
11n HT40	MCS8	45	159	5795	11.51	11.14	14.34	27.160	30.00
11ac VHT20	MCS 0	50	149	5745	12.12	12.08	15.11	32.437	30.00
11ac VHT20	MCS 0	50	157	5785	11.63	11.53	14.59	28.778	30.00
11ac VHT20	MCS 0	50	165	5825	12.46	12.29	15.39	34.563	30.00
11ac VHT40	MCS 0	45	151	5755	11.66	11.63	14.66	29.210	30.00
11ac VHT40	MCS 0	45	159	5795	11.55	11.15	14.36	27.321	30.00
11ac VHT80	MCS 0	40	155	5775	10.14	9.74	12.95	19.747	30.00



10. 最大功率頻譜密度

10.1. 適用標準

依照國家通訊傳播委員會低功率射頻器材技術規範(5.7.3)節功率限制規定如下:

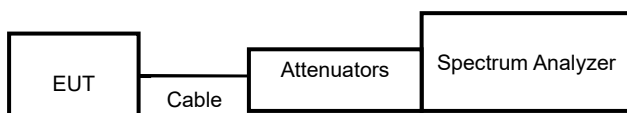
操作於 5.15G-5.25G 頻段者	
☐	供戶外操作使用：在任何 1MHz 頻帶中最大功率頻譜密度應小於或等於 17dBm。
☐	供室內操作使用：在任何 1MHz 頻帶中最大功率頻譜密度應小於或等於 17dBm。
☐	供固定式點對點操作使用：在任何 1MHz 頻帶中最大功率頻譜密度應小於或等 17dBm。
☒	供用戶端裝置(Client Device)操作使用：在任何 1MHz 頻帶中最大功率頻譜密度應小於或等於 11dBm。
操作於 5.25G-5.35G 與 5.470G-5.725G 頻段者 在任何 1MHz 頻帶中最大功率頻譜密度應小於或等於 11Bm。	
操作於 5.725G-5.850G 頻段者 在任何 500KHz 頻帶中最大功率頻譜密度應小於或等於 30Bm。	

10.2. 測試方法

依照KDB 789033 D02 General UNII Test Procedures New Rules測試方法如下

For 5150~5250 MHz, 5250~5350 MHz, 5470~5725 MHz	
☒	Method SA-1 1. Set RBW = 1 MHz, VBW = 3 MHz, Sweep time = auto, Detector = RMS. 2. Trace average 100 traces. 3. Use the peak marker function to determine the maximum amplitude level.
☐	Method SA-2 Alternative 1. Set RBW = 1 MHz, VBW = 3 MHz, Detector = RMS. 2. Set sweep time $\geq 10 * (\text{number of points in sweep}) * (\text{total on/off period of the transmitted signal})$. 3. Perform a single sweep. 4. Use the peak marker function to determine the maximum amplitude level. 5. Add $10 \log(1/x)$, where x is the duty cycle.
For 5725~5850 MHz	
☒	Method SA-1 1. Set RBW = 1 MHz, VBW = 3 MHz, Sweep time = auto, Detector = RMS. 2. Trace average 100 traces. 3. Use the peak marker function to determine the maximum amplitude level. 4. Add $10 \log(500\text{KHz}/1000\text{KHz})$
☐	Method SA-2 Alternative 1. Set RBW = 1 MHz, VBW = 3 MHz, Detector = RMS. 2. Set sweep time $\geq 10 * (\text{number of points in sweep}) * (\text{total on/off period of the transmitted signal})$. 3. Perform a single sweep. 4. Use the peak marker function to determine the maximum amplitude level. 5. Add $10 \log(1/x)$, where x is the duty cycle 6. Add $10 \log(500\text{KHz}/1000\text{KHz})$

10.3. 測試配置



**10.4.測試結果及數據****In the 5.2G Band****For 1TX**

Modulation Type	CH	Freq. (MHz)	Meas PPSPD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PPSPD (dBm/MHz)	PPSPD Limit (dBm/MHz)
			ANT A				
11a	36	5180	3.55	3.55	0.00	3.55	11.00
11a	44	5220	2.58	2.58	0.00	2.58	11.00
11a	48	5240	3.86	3.86	0.00	3.86	11.00
11ac VHT20	36	5180	4.44	4.44	0.00	4.44	11.00
11ac VHT20	44	5220	3.34	3.34	0.00	3.34	11.00
11ac VHT20	48	5240	3.93	3.93	0.00	3.93	11.00
11ac VHT40	38	5190	-1.06	-1.06	0.00	-1.06	11.00
11ac VHT40	46	5230	-1.05	-1.05	0.00	-1.05	11.00
11ac VHT80	42	5210	-5.71	-5.71	0.00	-5.71	11.00

For 2TX

Modulation Type	CH	Freq. (MHz)	Meas PPSPD (dBm/MHz)		Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PPSPD (dBm/MHz)	PPSPD Limit (dBm/MHz)
			ANT A	ANT B				
11ac VHT20	36	5180	3.09	2.69	5.90	0.00	5.90	11.00
11ac VHT20	44	5220	3.00	2.15	5.61	0.00	5.61	11.00
11ac VHT20	48	5240	3.60	2.67	6.17	0.00	6.17	11.00
11ac VHT40	36	5180	-2.06	-2.57	0.70	0.00	0.70	11.00
11ac VHT40	44	5220	-1.95	-2.24	0.92	0.00	0.92	11.00
11ac VHT80	48	5240	-6.00	-7.28	-3.58	0.00	-3.58	11.00

In the 5.3G Band**For 1TX**

Modulation Type	CH	Freq. (MHz)	Meas PPSPD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PPSPD (dBm/MHz)	PPSPD Limit (dBm/MHz)
			ANT A				
11a	52	5260	3.76	3.76	0.00	3.76	11.00
11a	60	5300	3.66	3.66	0.00	3.66	11.00
11a	64	5320	3.67	3.67	0.00	3.67	11.00
11ac VHT20	52	5260	4.02	4.02	0.00	4.02	11.00
11ac VHT20	60	5300	4.19	4.19	0.00	4.19	11.00
11ac VHT20	64	5320	4.15	4.15	0.00	4.15	11.00
11ac VHT40	54	5270	-0.57	-0.57	0.00	-0.57	11.00
11ac VHT40	62	5310	-1.38	-1.38	0.00	-1.38	11.00
11ac VHT80	58	5290	-6.12	-6.12	0.00	-6.12	11.00

For 2TX

Modulation Type	CH	Freq. (MHz)	Meas PPSPD (dBm/MHz)		Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PPSPD (dBm/MHz)	PPSPD Limit (dBm/MHz)
			ANT A	ANT B				
11ac VHT20	52	5260	3.57	2.81	6.22	0.00	6.22	11.00
11ac VHT20	60	5300	3.07	2.16	5.65	0.00	5.65	11.00
11ac VHT20	64	5320	2.87	2.25	5.58	0.00	5.58	11.00
11ac VHT40	52	5260	-1.89	-2.32	0.91	0.00	0.91	11.00
11ac VHT40	60	5300	-2.20	-2.64	0.60	0.00	0.60	11.00
11ac VHT80	64	5320	-6.85	-7.36	-4.09	0.00	-4.09	11.00



In the 5.5G Band For 1TX

Modulation Type	CH	Freq. (MHz)	Meas PPSSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PPSSD (dBm/MHz)	PPSSD Limit (dBm/MHz)
			ANT A				
11a	100	5500	3.52	3.52	0.00	3.52	11.00
11a	116	5580	3.05	3.05	0.00	3.05	11.00
11a	140	5700	0.76	0.76	0.00	0.76	11.00
11ac VHT20	100	5500	3.51	3.51	0.00	3.51	11.00
11ac VHT20	116	5580	2.36	2.36	0.00	2.36	11.00
11ac VHT20	140	5700	0.05	0.05	0.00	0.05	11.00
11ac VHT40	102	5510	-1.19	-1.19	0.00	-1.19	11.00
11ac VHT40	110	5550	-2.05	-2.05	0.00	-2.05	11.00
11ac VHT40	134	5670	-3.30	-3.30	0.00	-3.30	11.00
11ac VHT80	106	5530	-6.68	-6.68	0.00	-6.68	11.00

For 2TX

Modulation Type	CH	Freq. (MHz)	Meas PPSSD (dBm/MHz)		Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PPSSD (dBm/MHz)	PPSSD Limit (dBm/MHz)
			ANT A	ANT B				
11ac VHT20	100	5500	2.95	1.45	5.27	0.00	5.27	11.00
11ac VHT20	116	5580	2.11	2.02	5.08	0.00	5.08	11.00
11ac VHT20	140	5700	-0.60	-1.30	2.07	0.00	2.07	11.00
11ac VHT40	100	5500	-1.04	-2.92	1.13	0.00	1.13	11.00
11ac VHT40	116	5580	-2.82	-2.81	0.20	0.00	0.20	11.00
11ac VHT40	140	5700	-2.94	-3.85	-0.36	0.00	-0.36	11.00
11ac VHT80	102	5510	-6.24	-7.21	-3.69	0.00	-3.69	11.00

In the 5.8G Band For 1TX

Modulation Type	CH	Freq. (MHz)	Meas PPSSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	10log(500K Hz/RBW) CF (dB)	Total Corr'd PPSSD (dBm/MHz)	PPSSD Limit (dBm/MHz)
			ANT A					
11a	149	5745	1.68	1.68	0.00	-3.01	-1.33	30.00
11a	157	5785	0.91	0.91	0.00	-3.01	-2.10	30.00
11a	165	5825	0.55	0.55	0.00	-3.01	-2.46	30.00
11ac VHT20	149	5745	0.74	0.74	0.00	-3.01	-2.27	30.00
11ac VHT20	157	5785	0.06	0.06	0.00	-3.01	-2.95	30.00
11ac VHT20	165	5825	0.32	0.32	0.00	-3.01	-2.69	30.00
11ac VHT40	151	5755	-4.42	-4.42	0.00	-3.01	-7.43	30.00
11ac VHT40	159	5795	-4.71	-4.71	0.00	-3.01	-7.72	30.00
11ac VHT80	155	5775	-8.06	-8.06	0.00	-3.01	-11.07	30.00

For 2TX

Modulation Type	CH	Freq. (MHz)	Meas PPSSD (dBm/MHz)		Sum chain (dBm)	Duty Cycle CF(dB)	10log(500K Hz/RBW) CF (dB)	Total Corr'd PPSSD (dBm/MHz)	PPSSD Limit (dBm/MHz)
			ANT A	ANT B					
11ac VHT20	149	5745	-0.27	-0.36	2.70	0.00	-3.01	-0.31	30.00
11ac VHT20	157	5785	0.54	0.52	3.54	0.00	-3.01	0.53	30.00
11ac VHT20	165	5825	0.47	0.18	3.34	0.00	-3.01	0.33	30.00
11ac VHT40	151	5755	-5.45	-5.38	-2.40	0.00	-3.01	-5.41	30.00
11ac VHT40	159	5795	-5.43	-6.06	-2.72	0.00	-3.01	-5.73	30.00
11ac VHT80	155	5775	-7.96	-8.46	-5.19	0.00	-3.01	-8.20	30.00

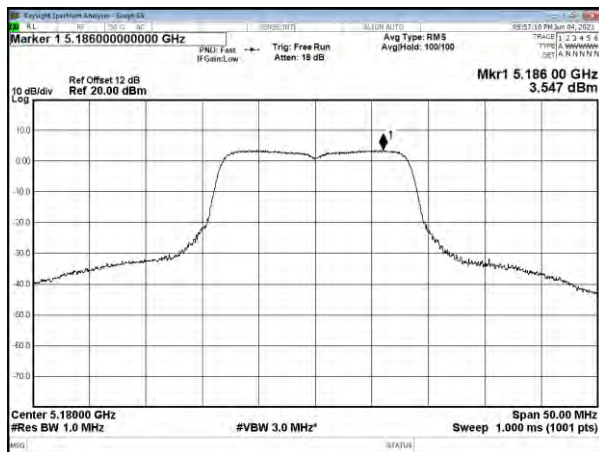
備註：繪圖資料請參考下頁。

10.5. 結果判定

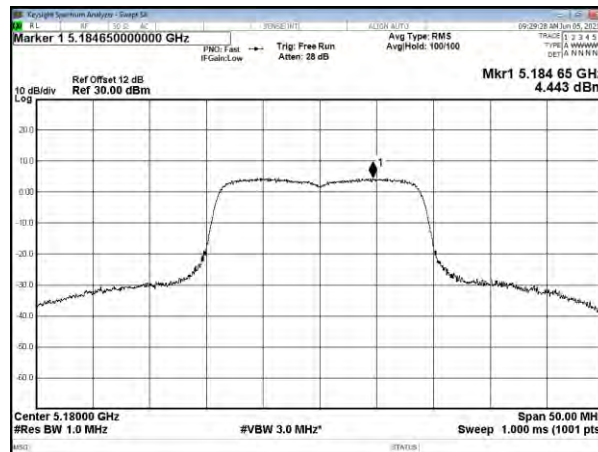
高、中、低頻段的數值皆低於限制值要求，合乎標準規定。



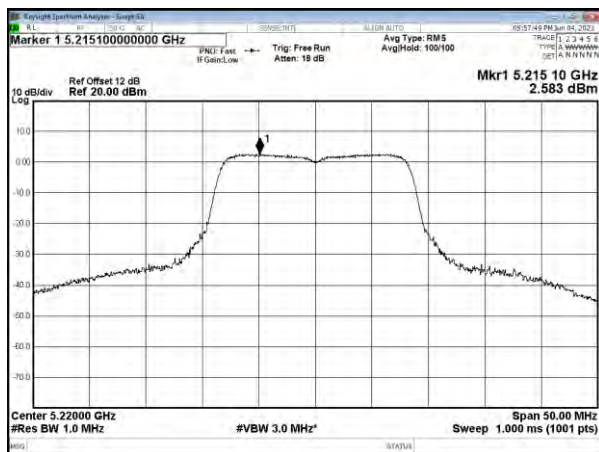
For 1TX
ANT A
5.2G, Band 1
Modulation Standard: 802.11a (6Mbps)
CH36



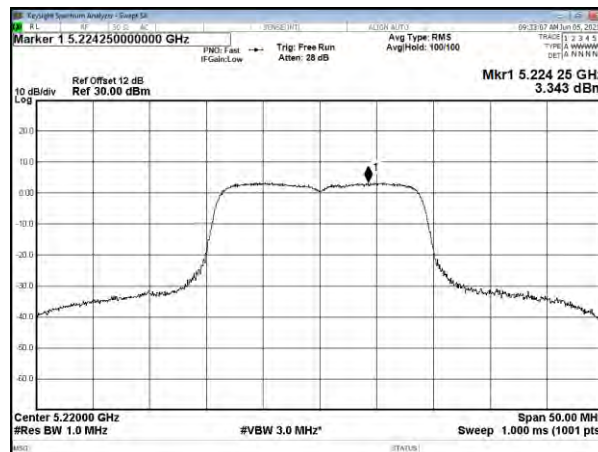
Modulation Standard: 802.11ac VHT20 (6.5Mbps)
CH36



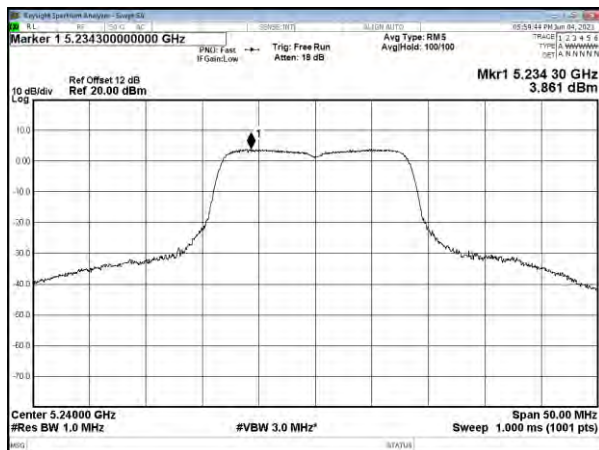
CH44



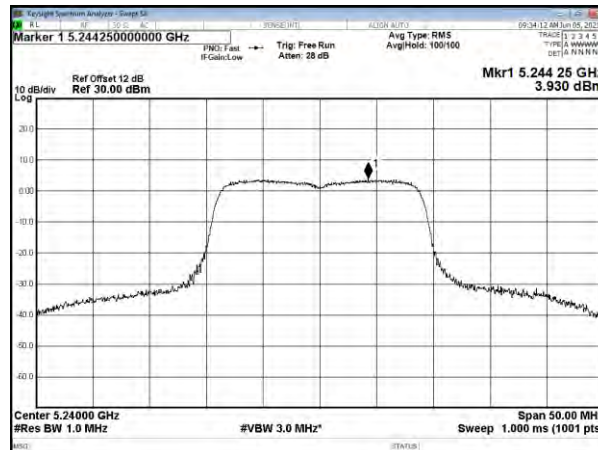
CH44



CH48



CH48

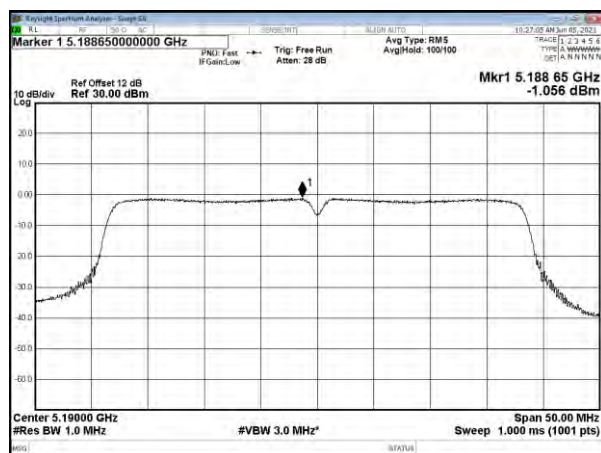




5.2G, Band 1

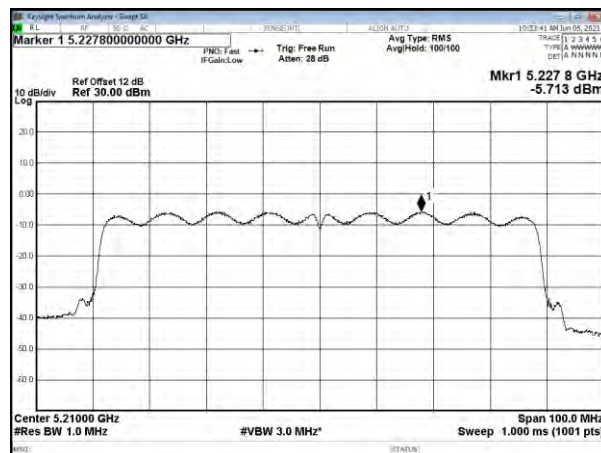
Modulation Standard: 802.11ac VHT40 (13.5Mbps)

CH38

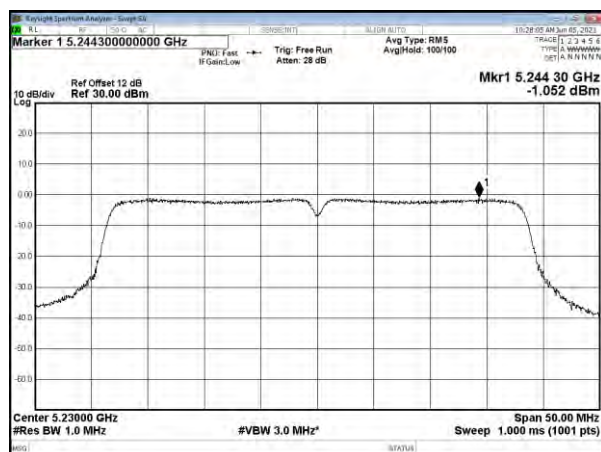


Modulation Standard: 802.11ac VHT80 (29.3Mbps)

CH42



CH46

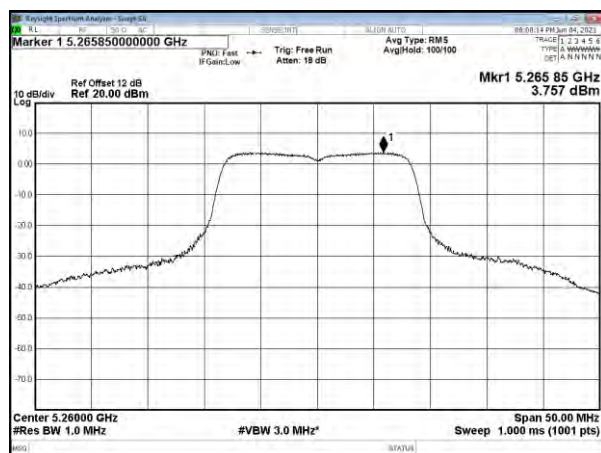




5.3G, Band 2

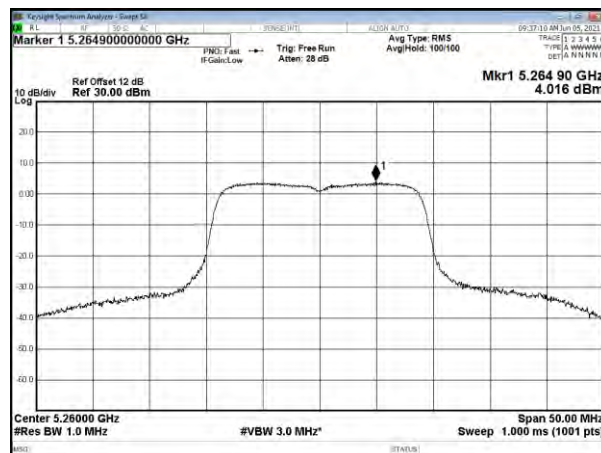
Modulation Standard: 802.11a (6Mbps)

CH52

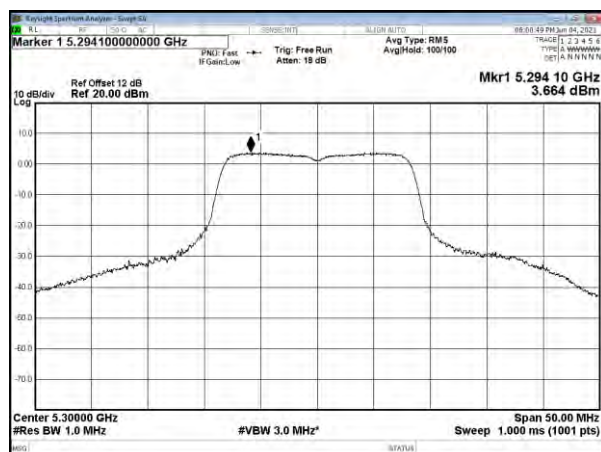


Modulation Standard: 802.11ac VHT20 (6.5Mbps)

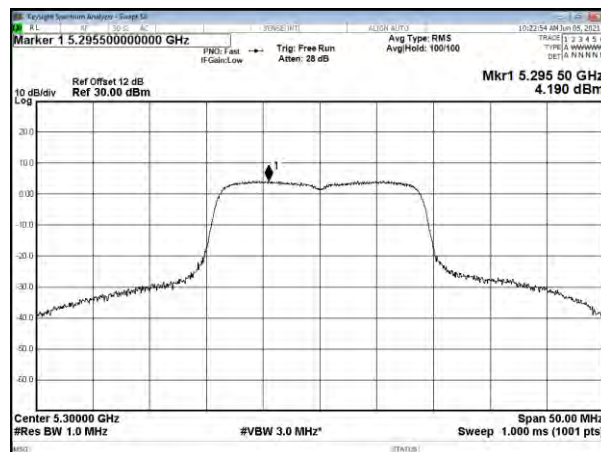
CH52



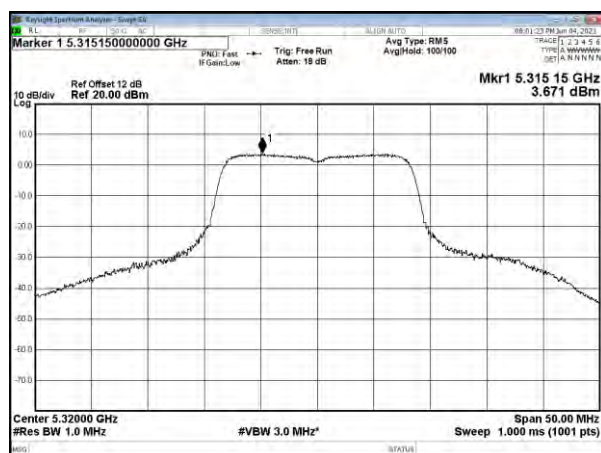
CH60



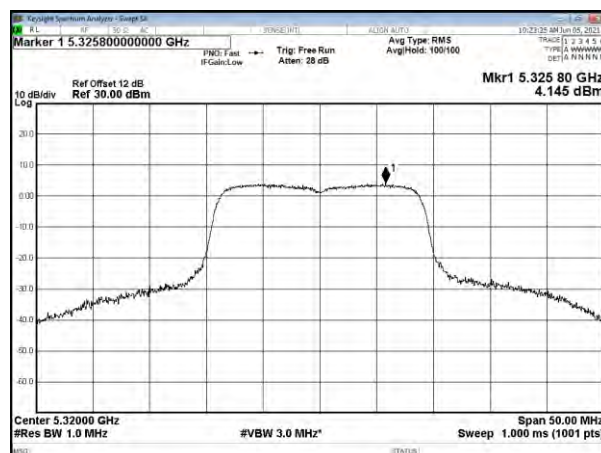
CH60



CH64



CH64

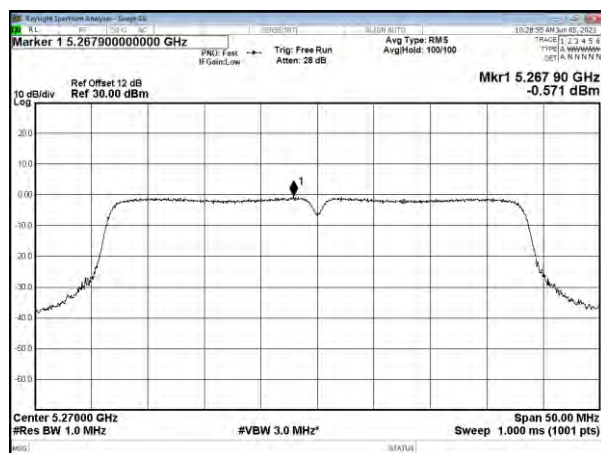




5.3G, Band 2

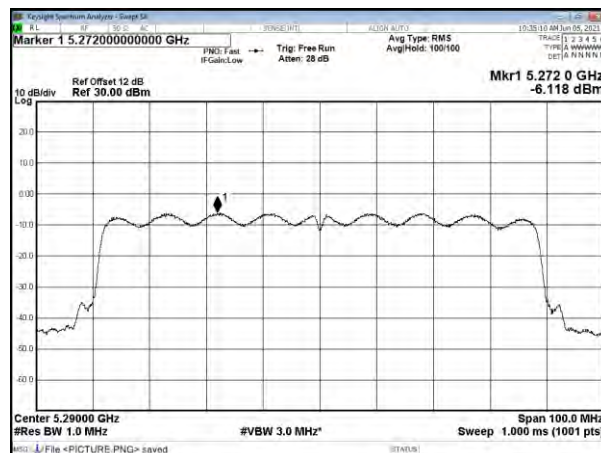
Modulation Standard: 802.11ac VHT40 (13.5Mbps)

CH54

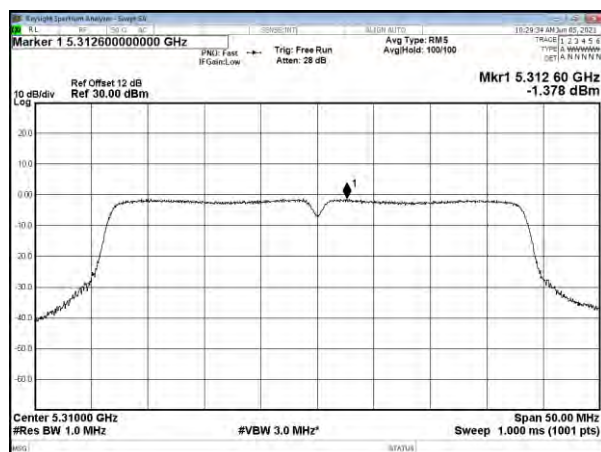


Modulation Standard: 802.11ac VHT80 (29.3Mbps)

CH58



CH62

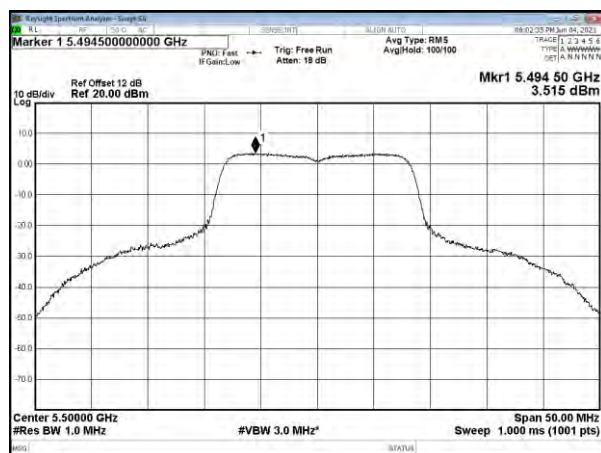




5.5G, Band 3

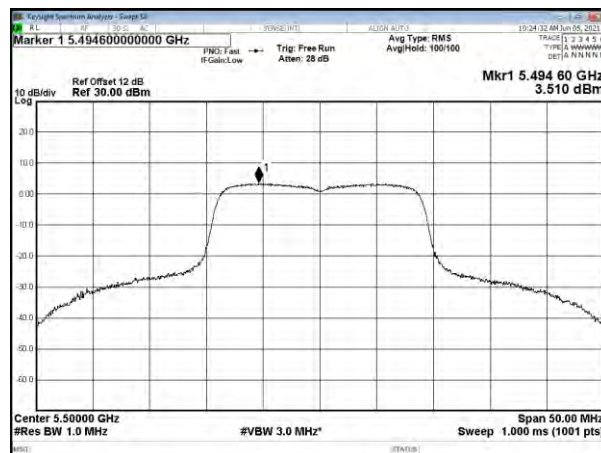
Modulation Standard: 802.11a (6Mbps)

CH100

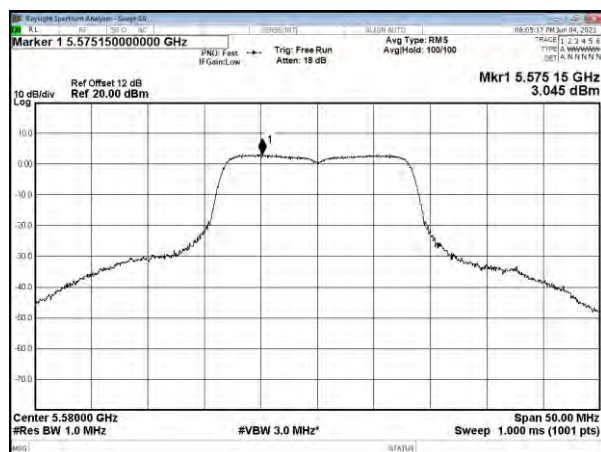


Modulation Standard: 802.11ac VHT20 (6.5Mbps)

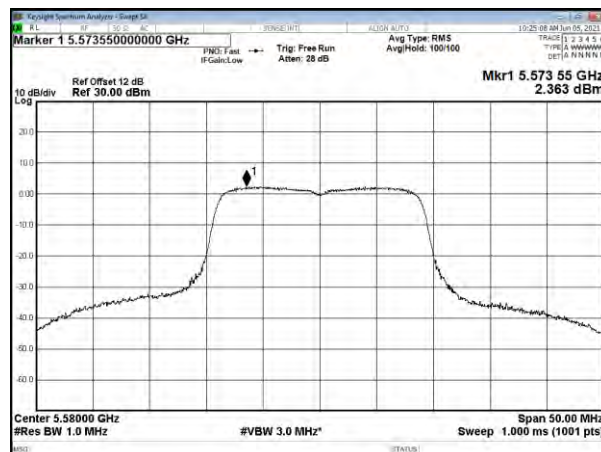
CH100



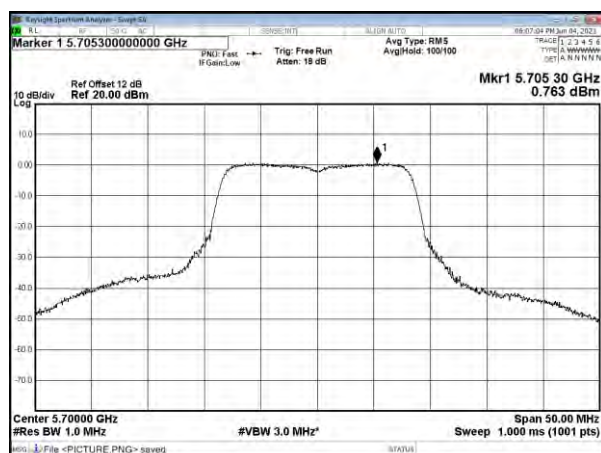
CH116



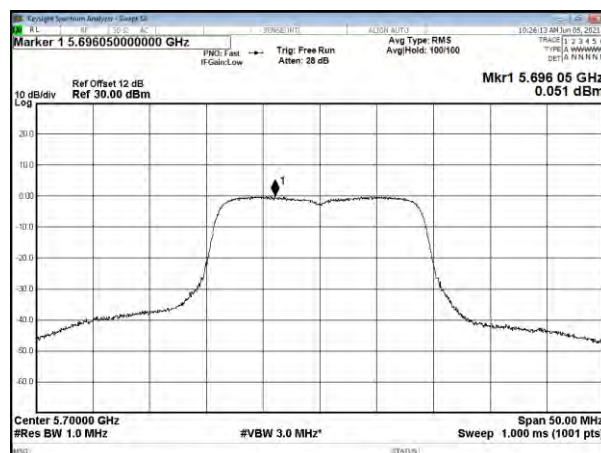
CH116



CH140



CH140

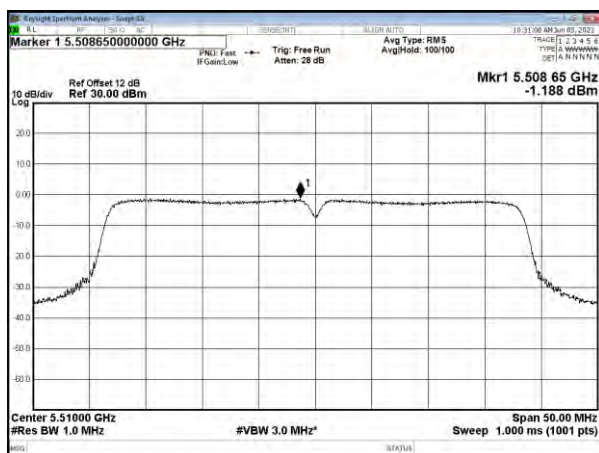




5.5G, Band 3

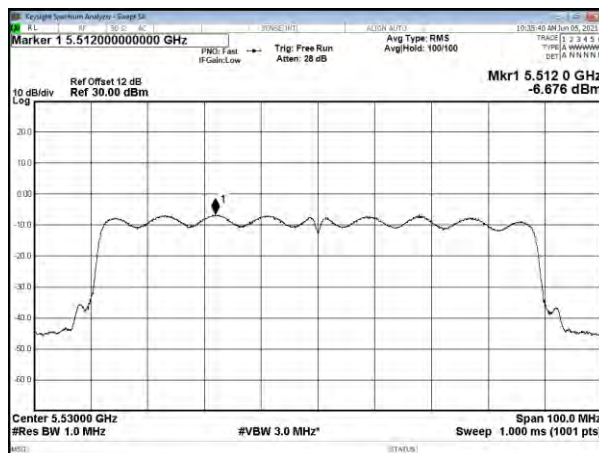
Modulation Standard: 802.11ac VHT40 (13.5Mbps)

CH102

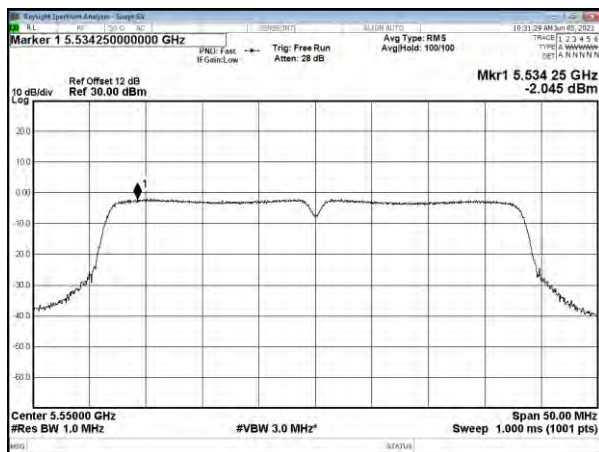


Modulation Standard: 802.11ac VHT80 (29.3Mbps)

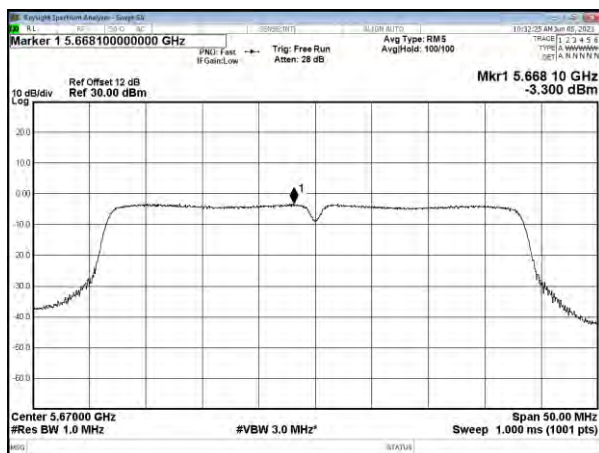
CH106



CH1110

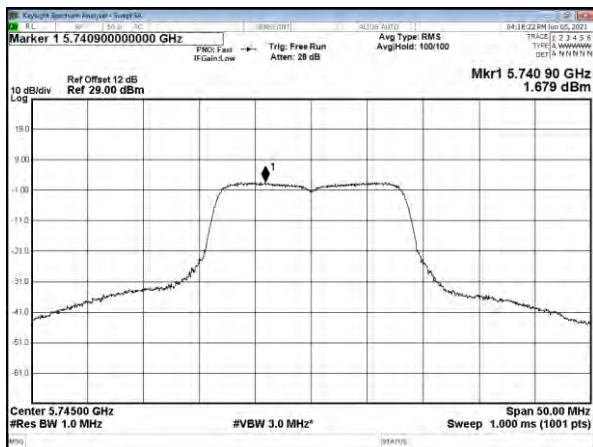


CH134

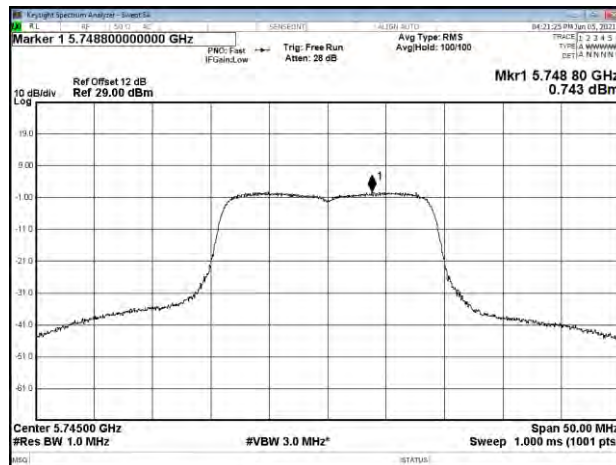




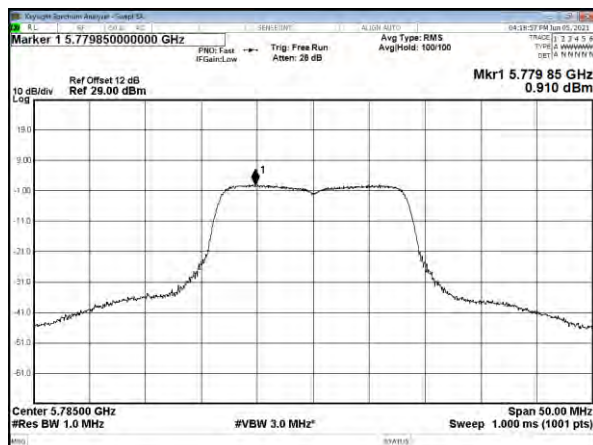
5.8G, Band 4
Modulation Standard: 802.11a
(6 Mbps)
CH149



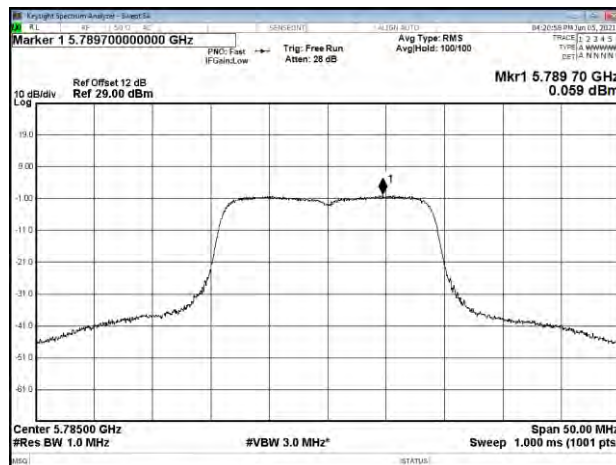
Modulation Standard: 802.11ac VHT20
(6.5 Mbps)
CH149



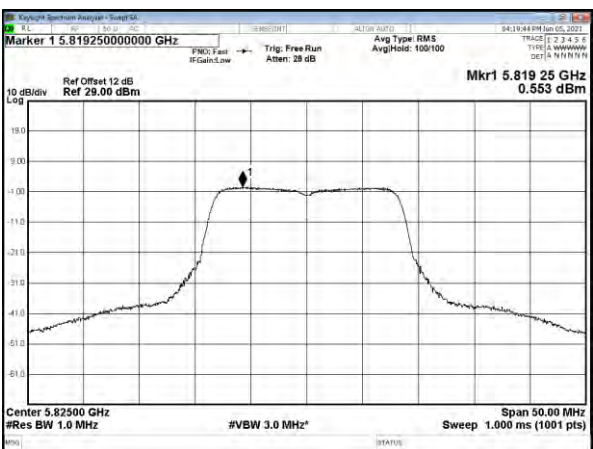
CH157



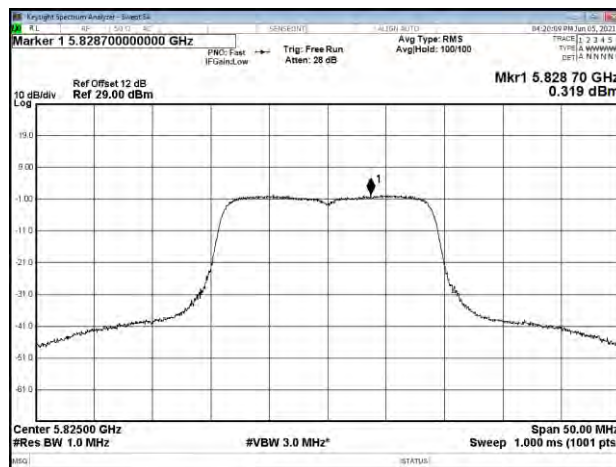
CH157



CH165



CH165



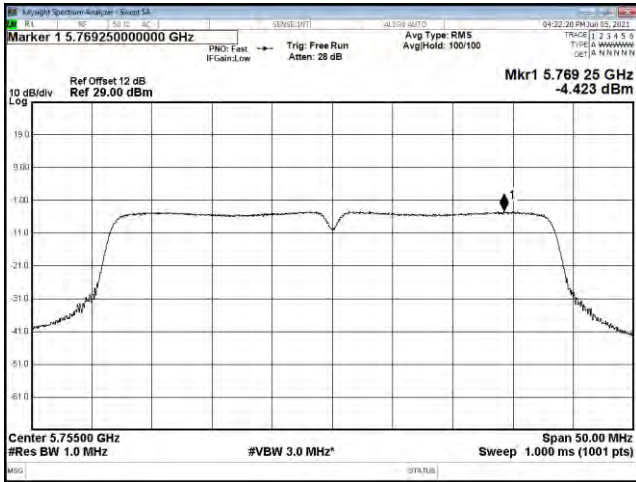


5.8G, Band 4

Modulation Standard: 802.11ac VHT40

(13.5 Mbps)

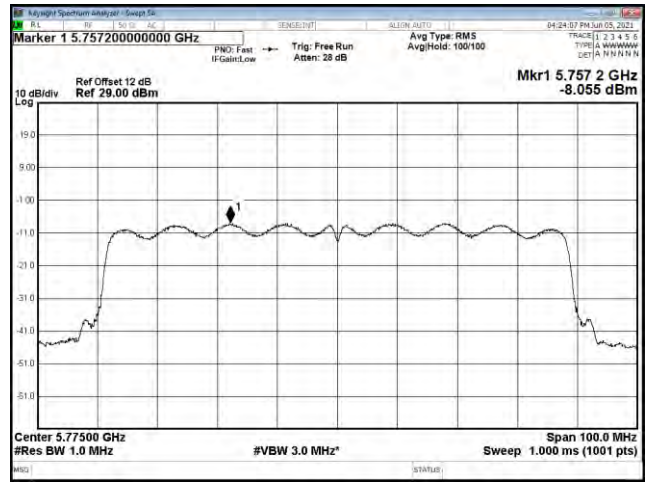
CH151



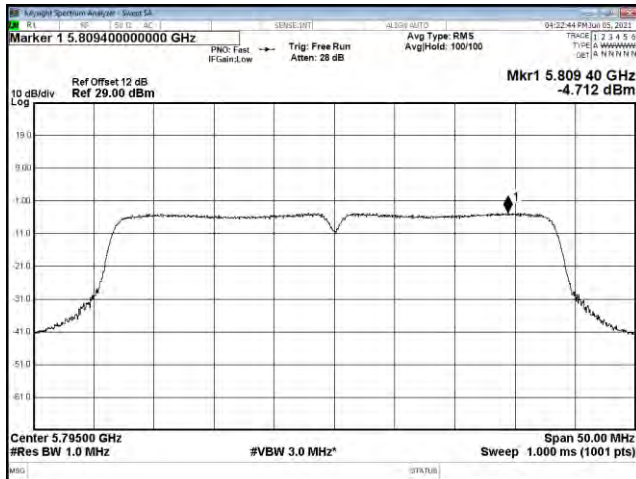
Modulation Standard: 802.11ac VHT80

(29.3 Mbps)

CH155



CH159

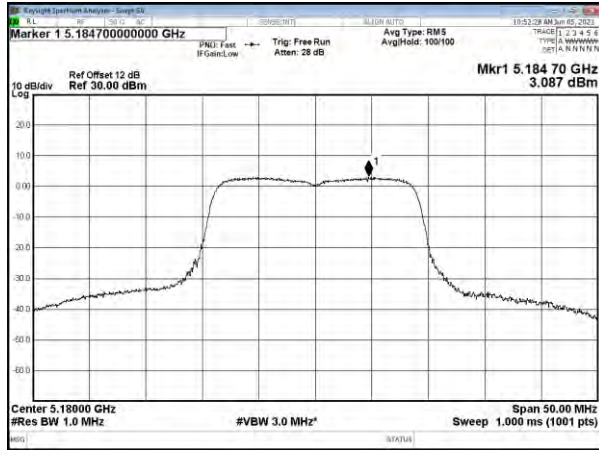




For 2TX
ANT A
5.2G, Band 1

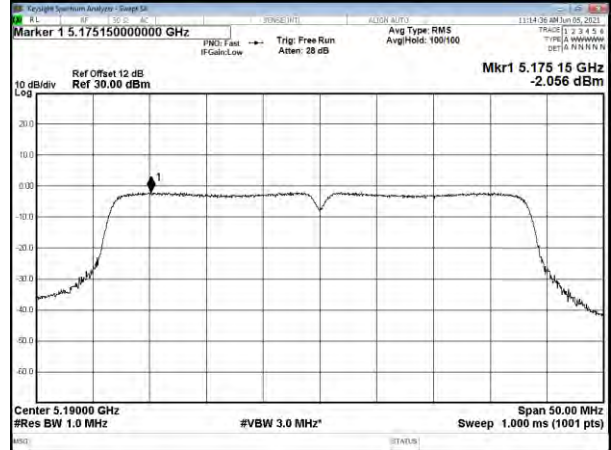
Modulation Standard: 802.11ac VHT20 (6.5Mbps)

CH36

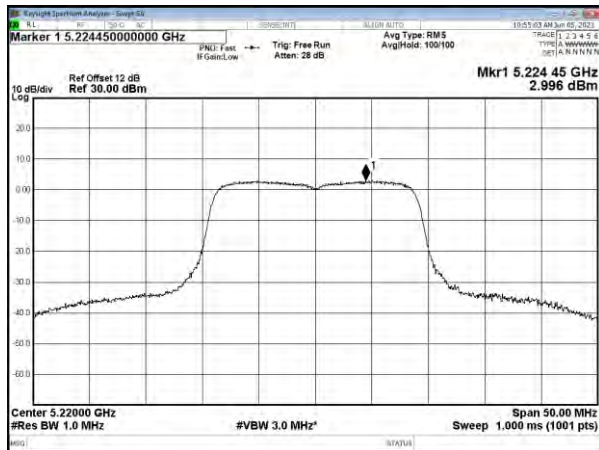


Modulation Standard: 802.11ac VHT40 (13.5Mbps)

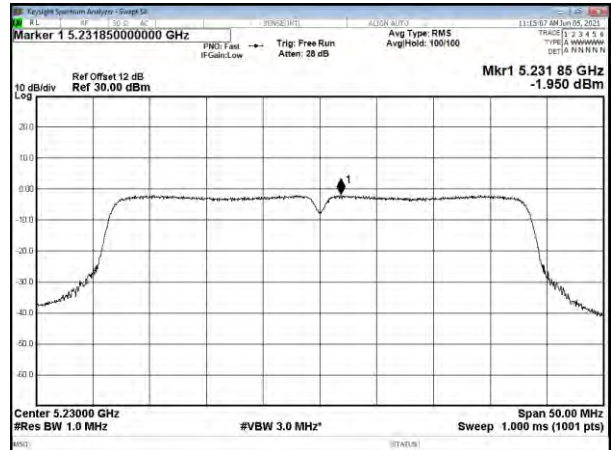
CH38



CH44

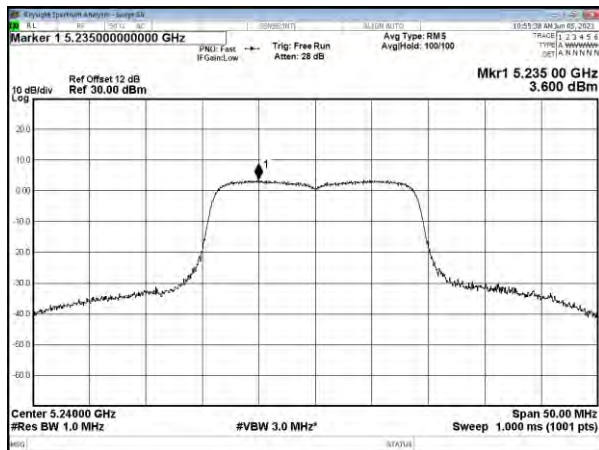


CH46

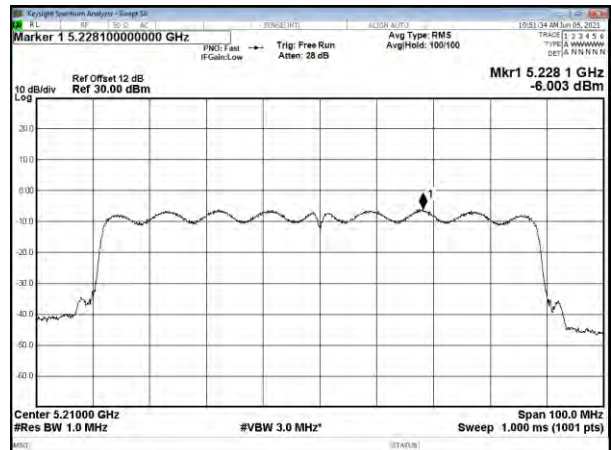


Modulation Standard: 802.11ac VHT80 (29.3Mbps)

CH48



CH42

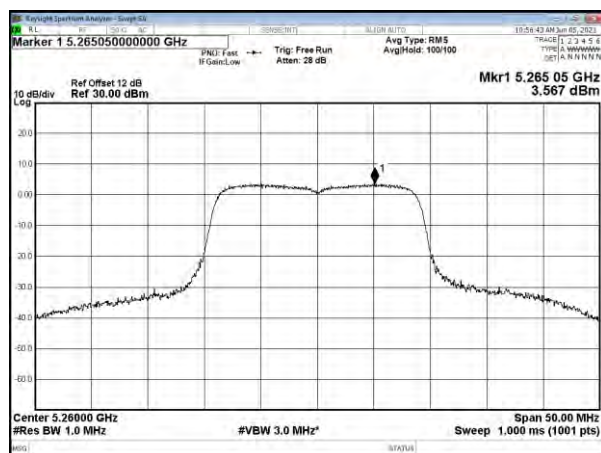




5.3G, Band 2

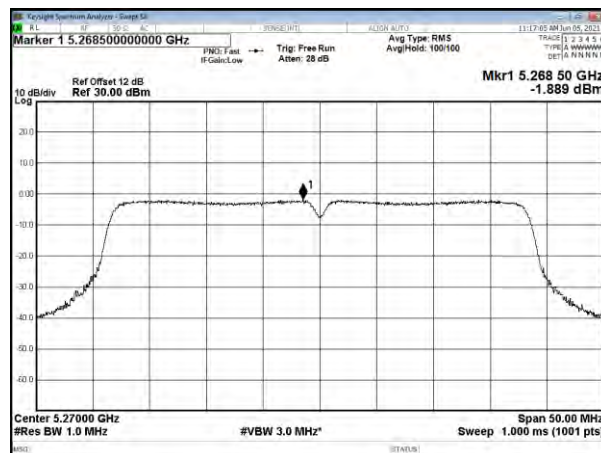
Modulation Standard: 802.11ac VHT20 (6.5Mbps)

CH52

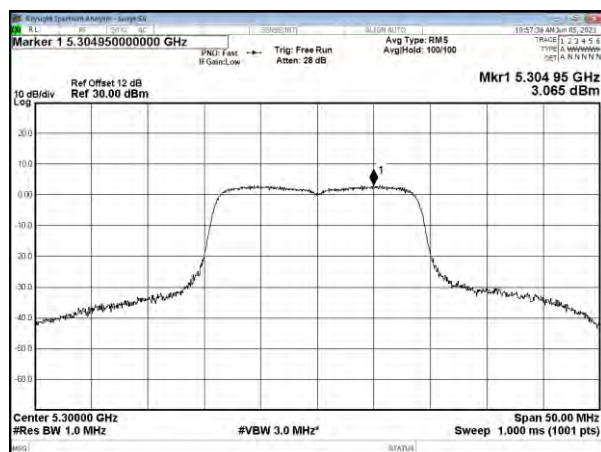


Modulation Standard: 802.11ac VHT40 (13.5Mbps)

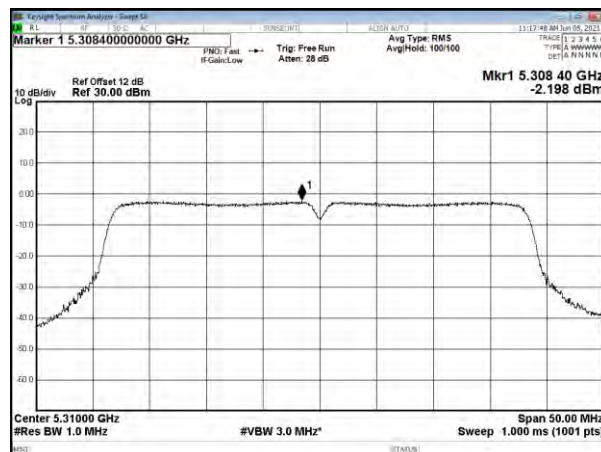
CH54



CH60

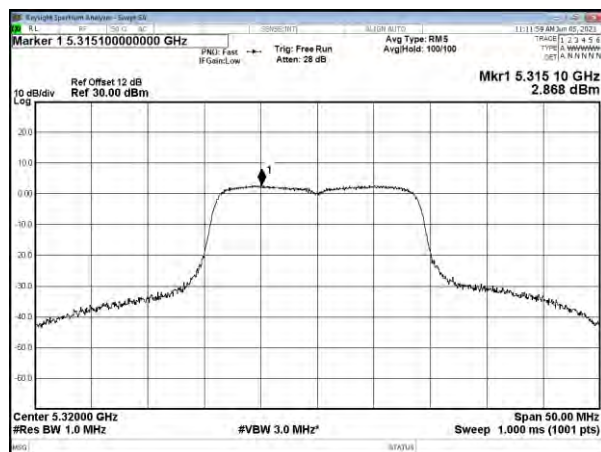


CH62

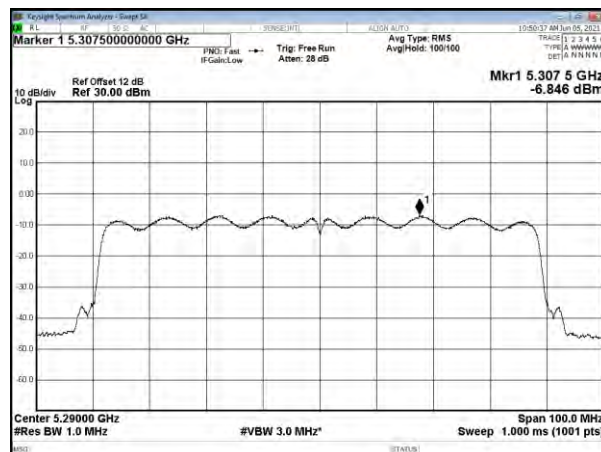


Modulation Standard: 802.11ac VHT80 (29.3Mbps)

CH64



CH58

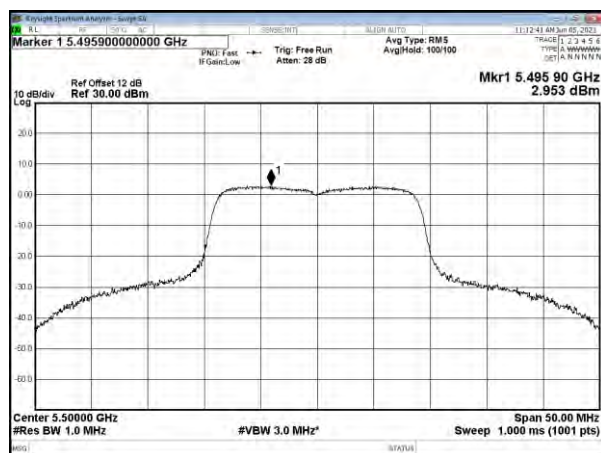




5.5G, Band 3

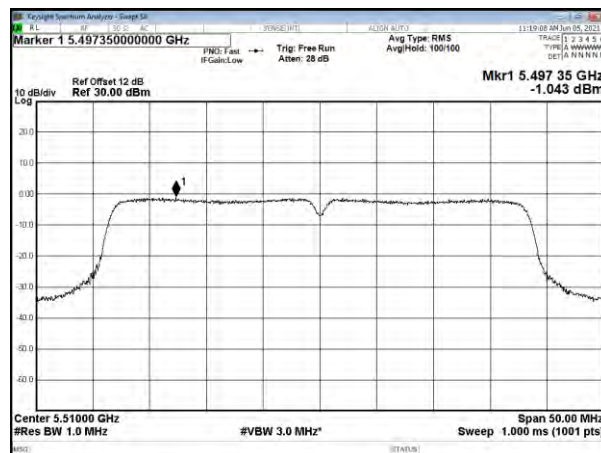
Modulation Standard: 802.11ac VHT20 (6.5Mbps)

CH100

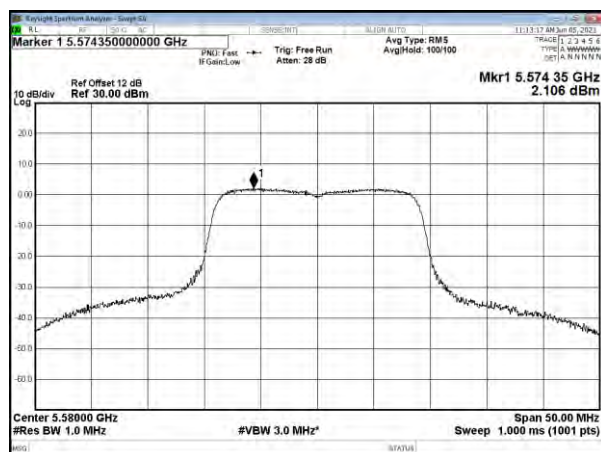


Modulation Standard: 802.11ac VHT40 (13.5Mbps)

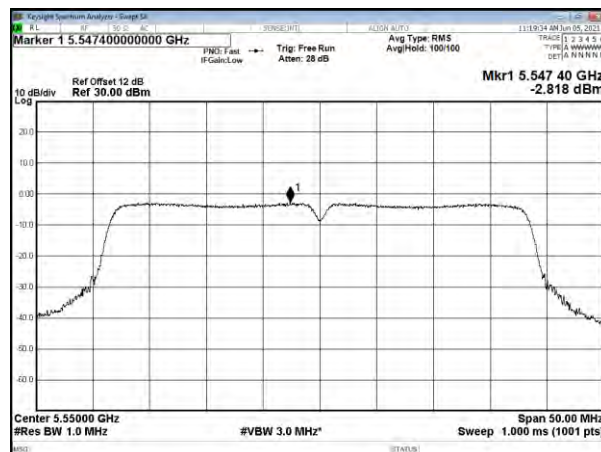
CH102



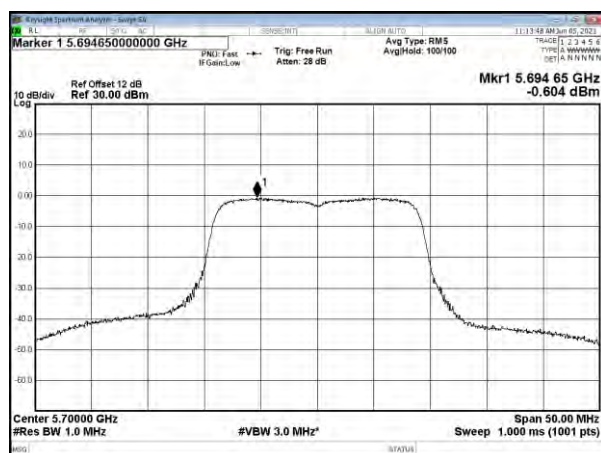
CH116



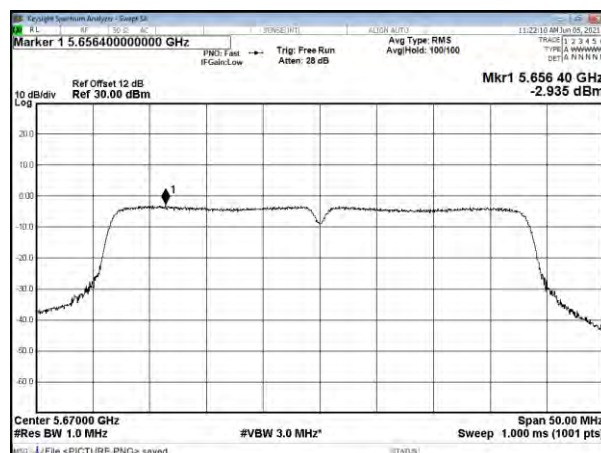
CH110



CH140



CH134

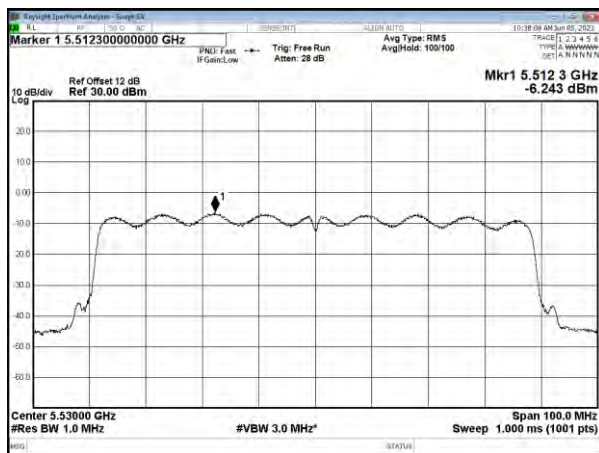




5.5G, Band 3

Modulation Standard: 802.11ac VHT80 (29.3Mbps)

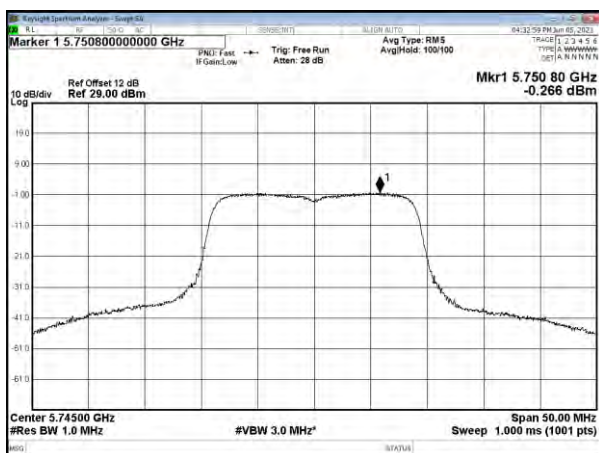
CH106



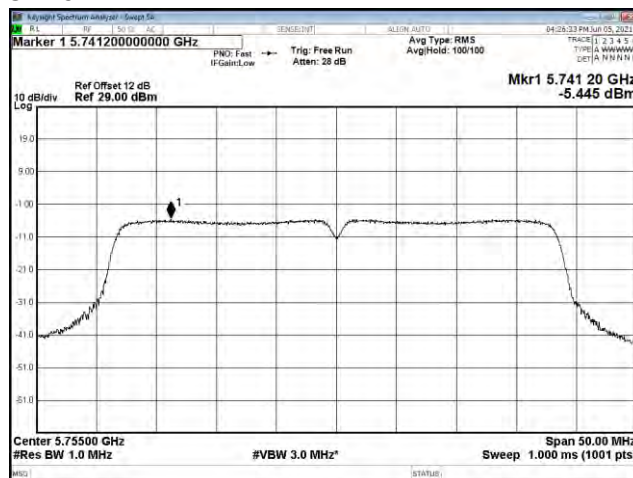


5.8G, Band 4

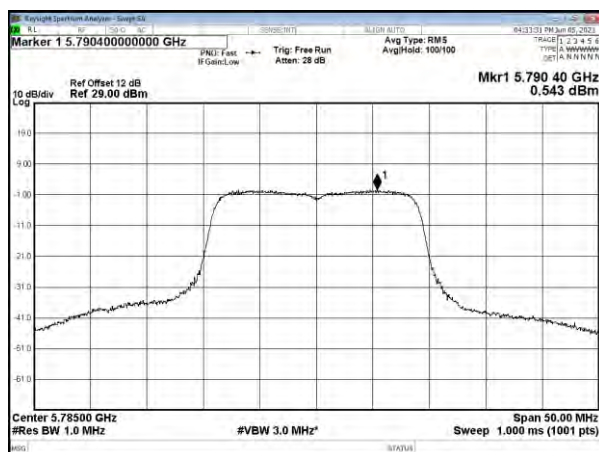
Modulation Standard: 802.11ac VHT20
(6.5 Mbps)
CH149



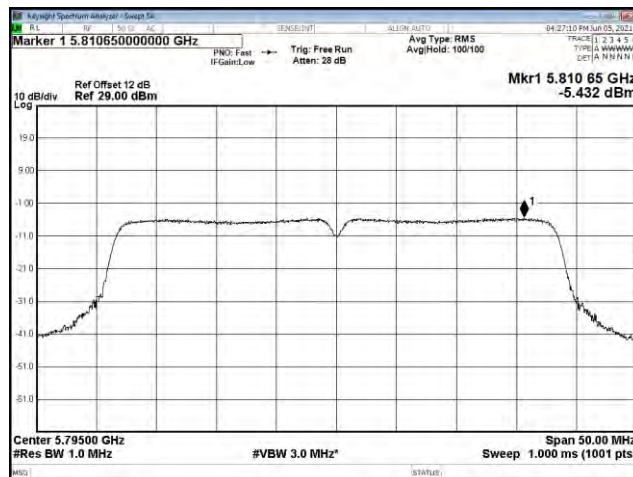
Modulation Standard: 802.11ac VHT40
(13.5 Mbps)
CH151



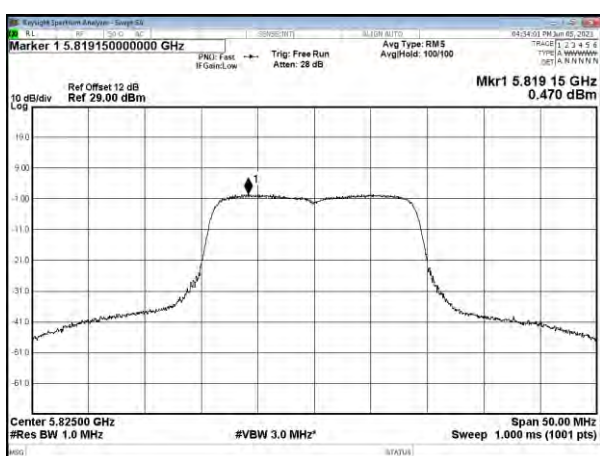
CH157



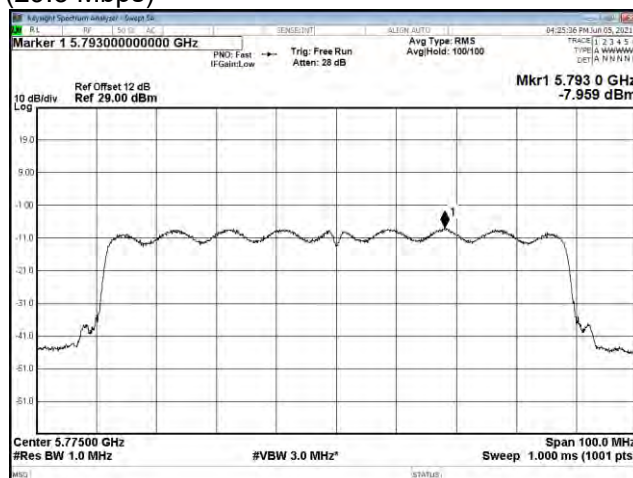
CH159



CH165



Modulation Standard: 802.11ac VHT80
(29.3 Mbps)



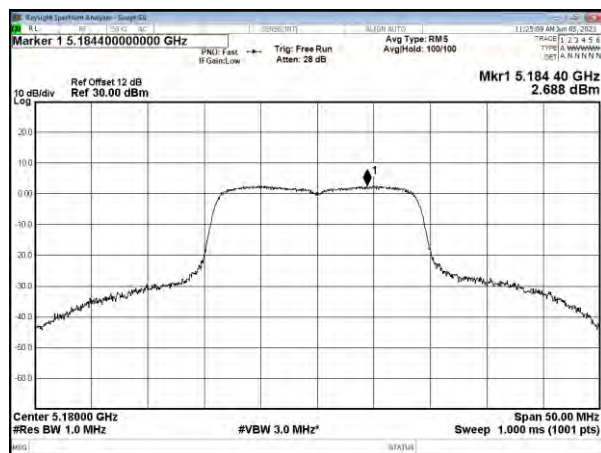


ANT B

5.2G, Band 1

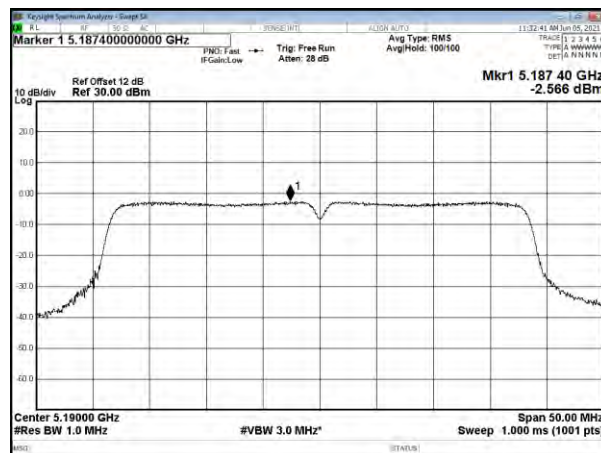
Modulation Standard: 802.11ac VHT20 (6.5Mbps)

CH36

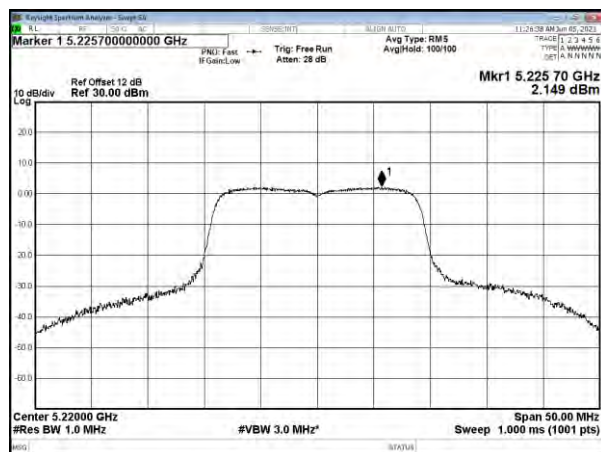


Modulation Standard: 802.11ac VHT40 (13.5Mbps)

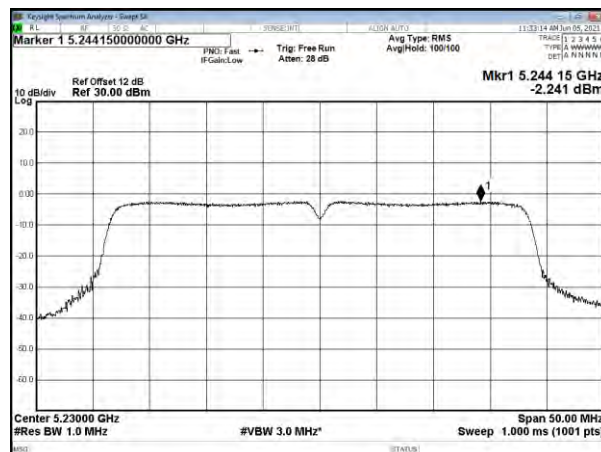
CH38



CH44

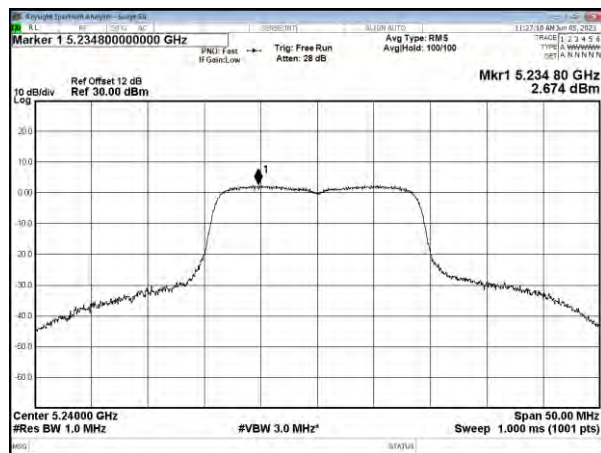


CH46

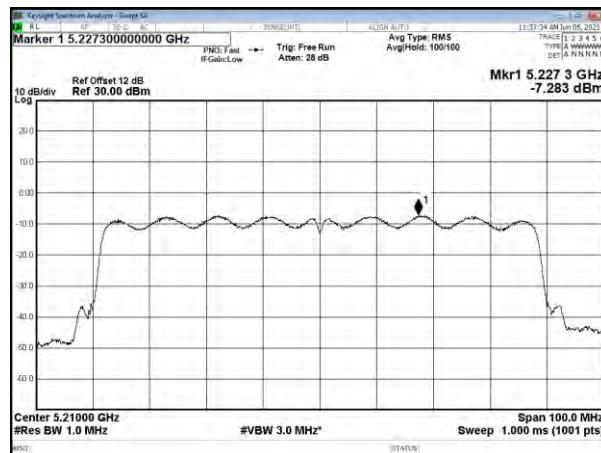


Modulation Standard: 802.11ac VHT80 (29.3Mbps)

CH48



CH42

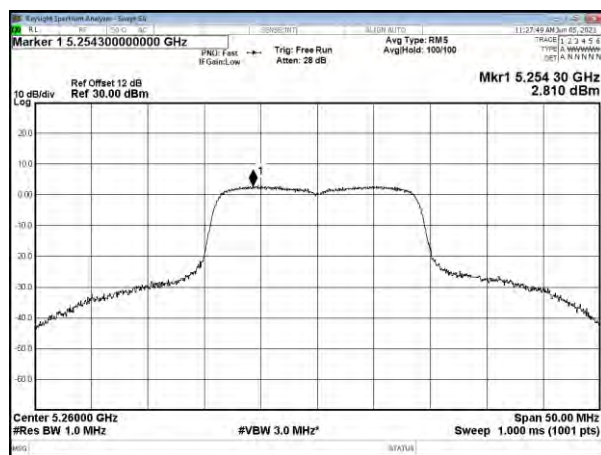




5.3G, Band 2

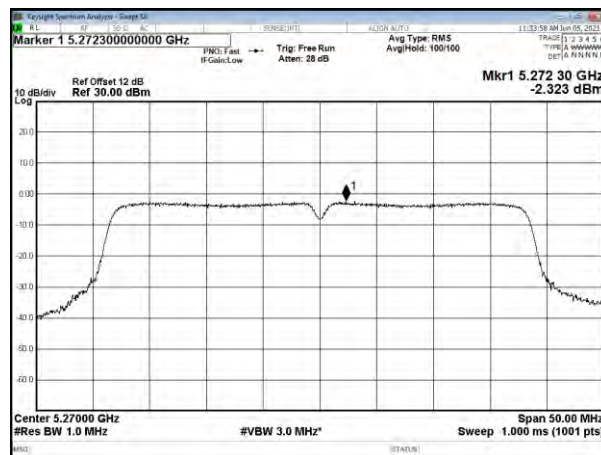
Modulation Standard: 802.11ac VHT20 (6.5Mbps)

CH52

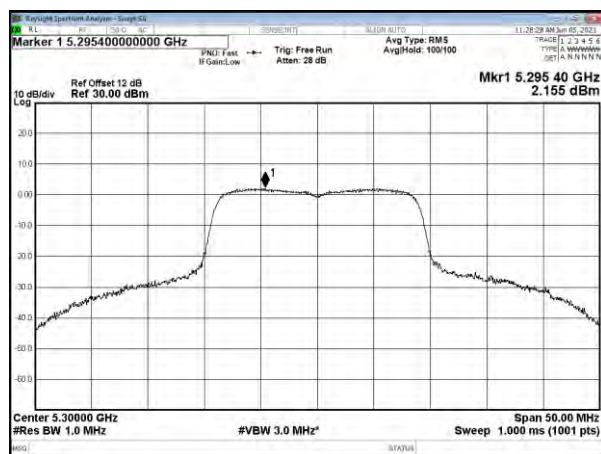


Modulation Standard: 802.11ac VHT40 (13.5Mbps)

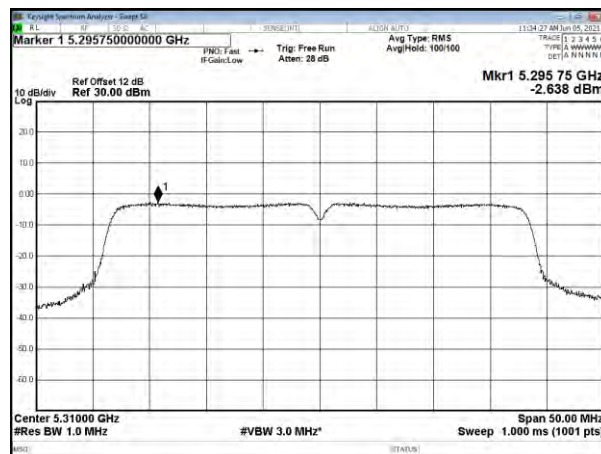
CH54



CH60

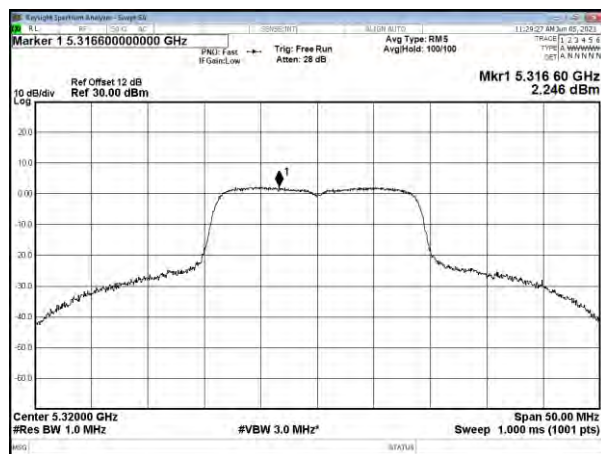


CH62

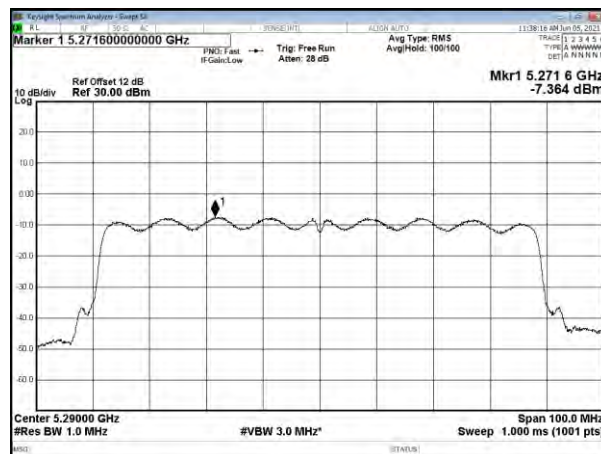


Modulation Standard: 802.11ac VHT80 (29.3Mbps)

CH64



CH58

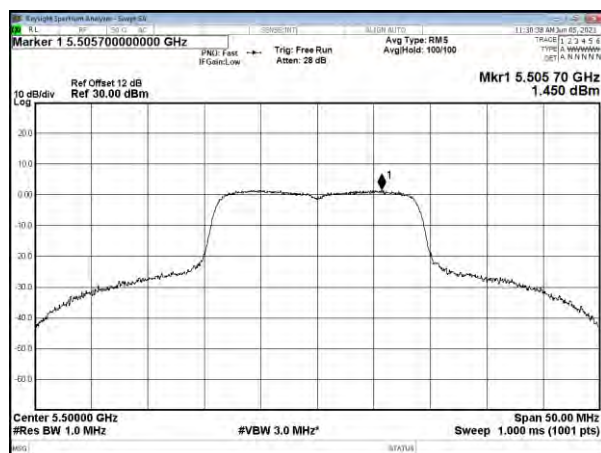




5.5G, Band 3

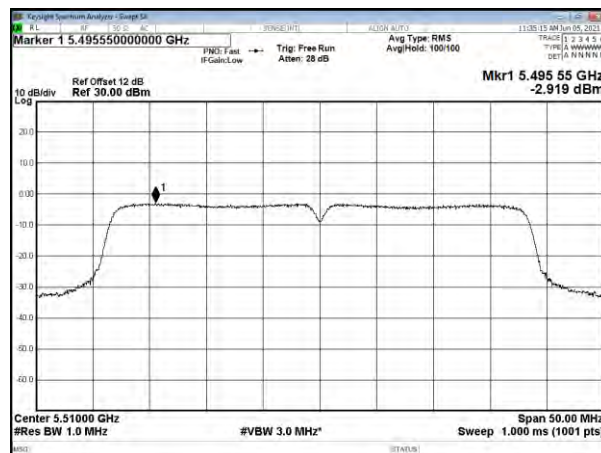
Modulation Standard: 802.11ac VHT20 (6.5Mbps)

CH100

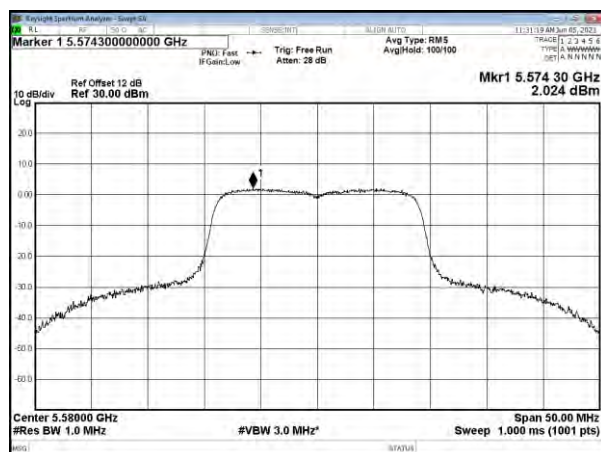


Modulation Standard: 802.11ac VHT40 (13.5Mbps)

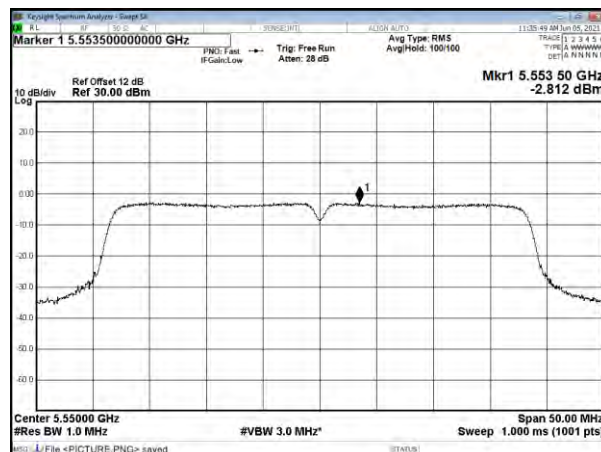
CH102



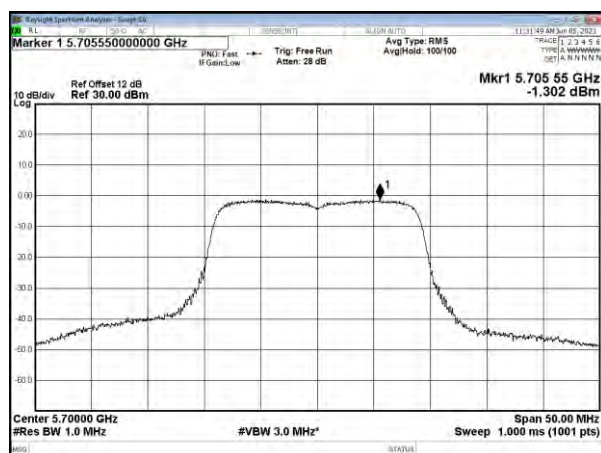
CH116



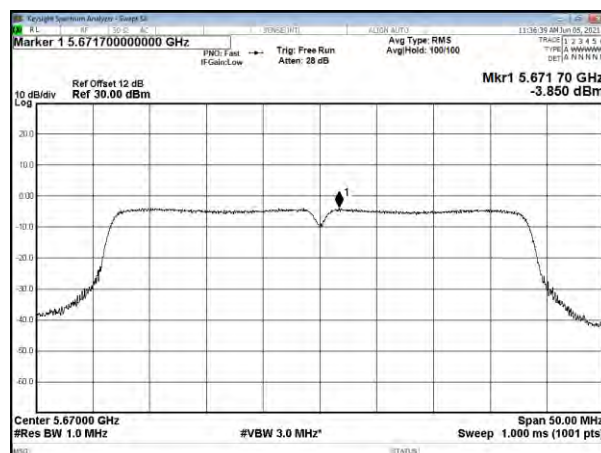
CH110



CH140



CH134

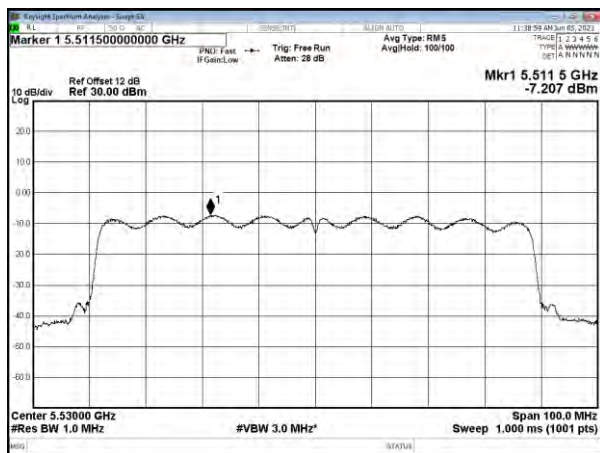




5.5G, Band 3

Modulation Standard: 802.11ac VHT80 (29.3Mbps)

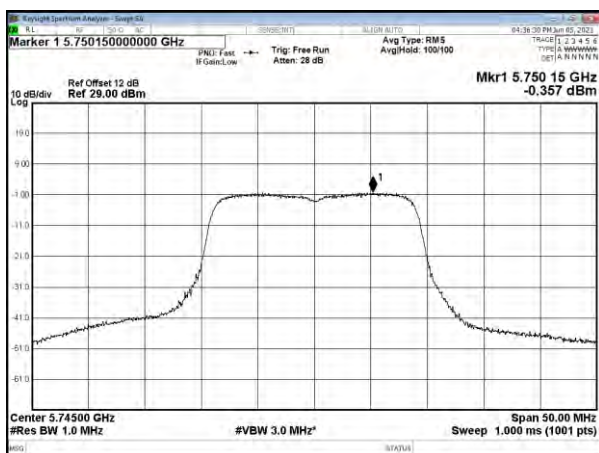
CH106



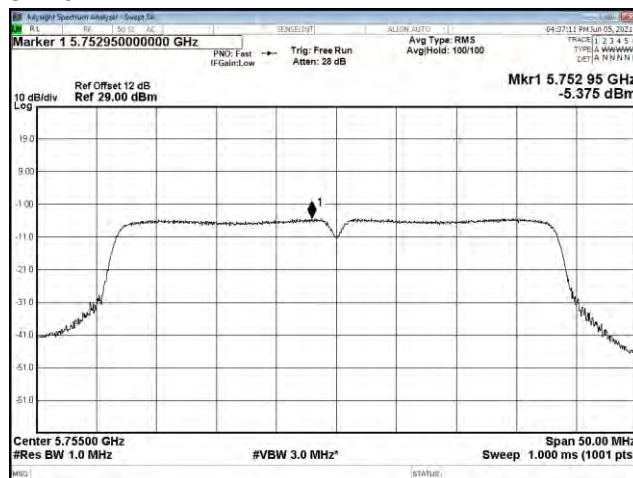


5.8G, Band 4

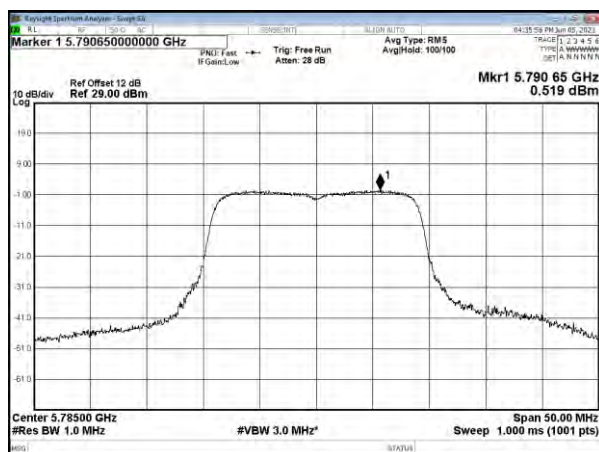
Modulation Standard: 802.11ac VHT20
(6.5 Mbps)
CH149



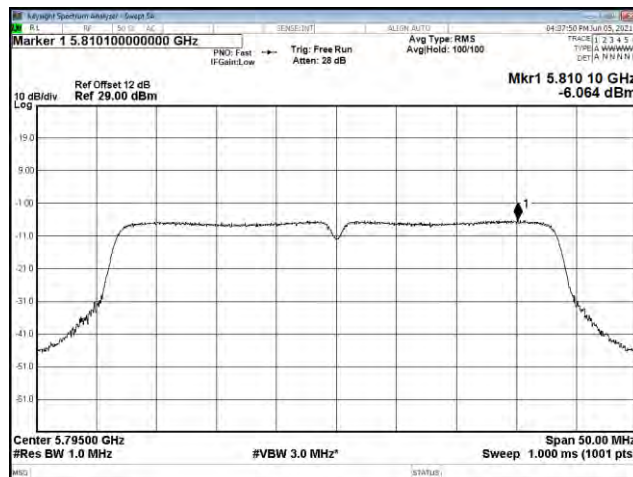
Modulation Standard: 802.11ac VHT40
(13.5 Mbps)
CH151



CH157

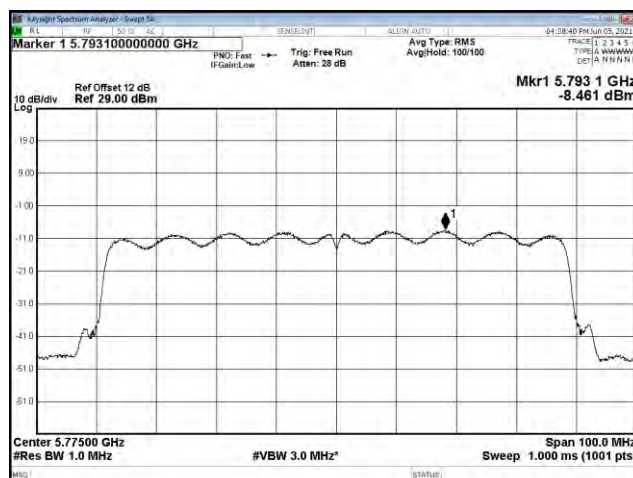
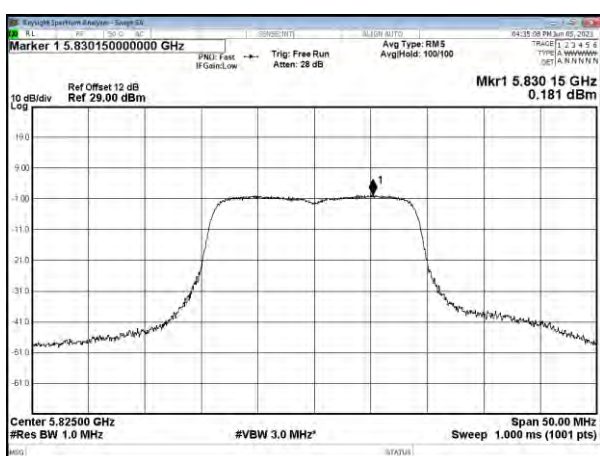


CH159



Modulation Standard: 802.11ac VHT80
(29.3 Mbps)
CH155

CH165





11. 頻率容許差度

11.1. 適用標準

應維持在主波頻率之 $\pm 0.01\%$ 以內。在正常供應電壓下，溫度在攝氏 -20°C 至 50°C 間變化；及在 20°C 下，供應電壓在額定值之 $\pm 15\%$ 內變化時。以電池作業者，應以新電池測試，須符合第 5.18 節之規定。

11.2. 測試方法

將 EUT 放置在可控制溫度和濕度設備室中。

發射機輸出連接到頻譜分析儀。

打開 EUT 並將其輸出耦合到頻譜分析儀。

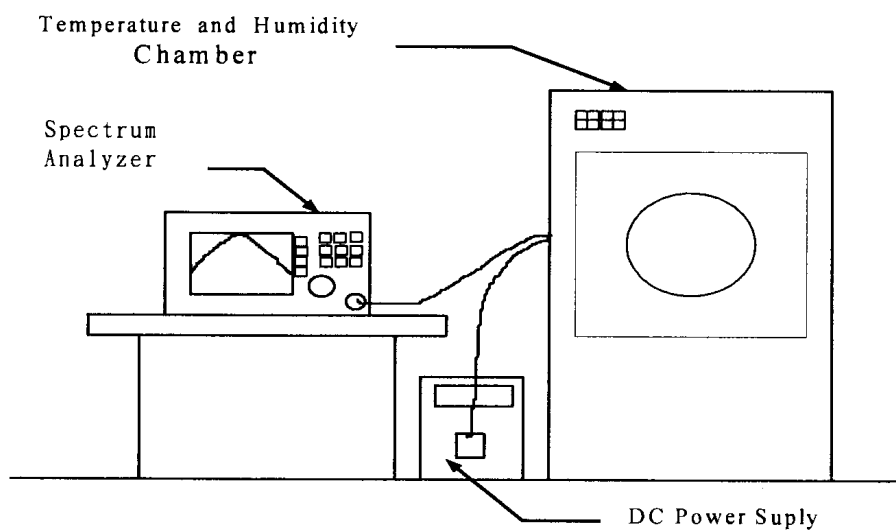
關閉 EUT 並將可控制溫度和濕度設備室設置為指定的最高溫度。

等待足夠的時間（約 30 分鐘）使可控制溫度和濕度設備室的溫度穩定，打開 EUT 並在 2 分鐘，5 分鐘和 10 分鐘後測量操作頻率。

重複步驟 2 和 3，將可控制溫度和濕度設備室設置為最低溫度。

使可控制溫度和濕度設備室在 $+20^{\circ}\text{C}$ 下穩定至少 30 分鐘。然後在 EUT 上將電源電壓從 85% 調節到 115% 並記錄頻率

11.3. 測試架構



**11.4. 測試結果及數據**

Operating frequency: 5180 MHz							
Temperature (°C)	Power supply (V)	2 minute		5 minute		10 minute	
		(MHz)	(%)	(MHz)	(%)	(MHz)	(%)
65	2.97	5179.9588	-0.000795	5179.9566	-0.000838	5179.9548	-0.000873
	3.3	5179.9583	-0.000805	5179.9561	-0.000847	5179.9555	-0.000859
	3.63	5179.9576	-0.000819	5179.9558	-0.000853	5179.9561	-0.000847
50	2.97	5179.9572	-0.000826	5179.9564	-0.000842	5179.9575	-0.000820
	3.3	5179.9556	-0.000857	5179.9572	-0.000826	5179.957	-0.000830
	3.63	5179.9567	-0.000836	5179.9567	-0.000836	5179.9579	-0.000813
40	2.97	5179.9605	-0.000763	5179.9617	-0.000739	5179.9635	-0.000705
	3.3	5179.9611	-0.000751	5179.9618	-0.000737	5179.9655	-0.000666
	3.63	5179.962	-0.000734	5179.9606	-0.000761	5179.9643	-0.000689
30	2.97	5179.9627	-0.000720	5179.9613	-0.000747	5179.9651	-0.000674
	3.3	5179.9623	-0.000728	5179.9607	-0.000759	5179.9645	-0.000685
	3.63	5179.962	-0.000734	5179.9625	-0.000724	5179.9668	-0.000641
20	2.97	5179.9628	-0.000718	5179.9619	-0.000736	5179.9657	-0.000662
	3.3	5179.9637	-0.000701	5179.9624	-0.000726	5179.9653	-0.000670
	3.63	5179.9626	-0.000722	5179.9639	-0.000697	5179.9662	-0.000653
10	2.97	5179.9643	-0.000689	5179.9658	-0.000660	5179.9675	-0.000627
	3.3	5179.9662	-0.000653	5179.9669	-0.000639	5179.9678	-0.000622
	3.63	5179.9666	-0.000645	5179.9673	-0.000631	5179.968	-0.000618
0	2.97	5179.967	-0.000637	5179.9684	-0.000610	5179.9685	-0.000608
	3.3	5179.9671	-0.000635	5179.9686	-0.000606	5179.9693	-0.000593
	3.63	5179.9678	-0.000622	5179.9691	-0.000597	5179.9696	-0.000587



12. 電波暴露量之評估

12.1. 適用標準

依據國家通訊傳播委員會低功率射頻器材技術規範 6.20 節之(6.20.2)規定，若受測物於正常操作模式下，其發射機距離人體 20 公分以上者，可測試最大暴露允許值(Maximum Permissible Exposure, MPE)以證明其符電波暴露量之要求。限制值如下：

(1) 職業性/可控制之暴露

頻率範圍 (MHz)	電場強度 (V/m)	磁場強度 (A/m)	功率密度 (mW/cm ²)	平均時間 (minutes)
0.3-3.0	614	1.63	*100	6
3-30	1842/f	4.89/f	*900/f ²	6
30-300	61.4	0.163	1.0	6
300-1,500	-----	-----	f/300	6
1,500-100,000	-----	-----	5.0	6

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：百萬赫(MHz)。

(2) 一般人/不可控制之暴露

頻率範圍 (MHz)	電場強度 (V/m)	磁場強度 (A/m)	功率密度 (mW/cm ²)	平均時間 (minutes)
0.3-3.0	614	1.63	*100	30
3-30	1842/f	4.89/f	*180/f ²	30
30-300	27.5	0.073	1.0	30
300-1,500	-----	-----	f/1500	30
1,500-100,000	-----	-----	1.0	30

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：百萬赫(MHz)。



12.2. 電波暴露量之評估結果及數據

For 1TX

Channel Frequency (MHz)	Max. Conducted output power(dBm)	Max. Tune up power (dBm)	Antenna Gain(dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
5180-5240	15.19	17.19	-0.27	20	0.010	1
5260-5320	15.51	17.51	-0.27	20	0.011	1
5500-5700	14.36	16.36	-0.27	20	0.008	1
5745-5825	13.89	15.89	-0.27	20	0.007	1

For 2TX

Channel Frequency (MHz)	Max. Conducted output power(dBm)	Max. Tune up power (dBm)	Antenna Gain(dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
5180-5240	16.01	18.01	-0.27	20	0.012	1
5260-5320	15.77	17.77	-0.27	20	0.011	1
5500-5700	15.48	17.48	-0.27	20	0.010	1
5745-5825	15.39	17.39	-0.27	20	0.010	1

12.3. 結果判定

高、中、低頻段的電波暴露量皆低於限制值，合乎標準規定。



13. 限制使用之頻帶

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

頻率(兆赫)	頻率(兆赫)	頻率(兆赫)
0.090 - 0.110	240.00 - 285.00	3332.0 - 3339.0
0.490 - 0.510	322.00 - 335.40	3345.8 - 3358.0
2.172 - 2.198	399.90 - 410.00	3500.0 - 4400.0
3.013 - 3.033	485.00 - 510.00	4500.0 - 5250.0
4.115 - 4.198	608.00 - 614.00	5350.0 - 5460.0
5.670 - 5.690	703.00 - 748.00	7250.0 - 7750.0
6.200 - 6.300	758.00 - 803.00	8025.0 - 8500.0
8.230 - 8.400	825.00 - 915.00	9000.0 - 9200.0
12.265 - 12.600	930.00 - 1240.0	9300.0 - 9500.0
13.340 - 13.430	1300.0 - 1427.0	10600 - 12700
14.965 - 15.020	1435.0 - 1626.5	13250 - 13400
16.700 - 16.755	1660.0 - 1785.0	14470 - 14500
19.965 - 20.020	1805.0 - 1880.0	15350 - 16200
25.500 - 25.700	1885.0 - 1900.0	17700 - 21400
37.475 - 38.275	1905.0 - 1985.0	22010 - 23120
73.500 - 75.400	2010.0 - 2025.0	23600 - 24000
108.00 - 138.00	2110.0 - 2170.0	31200 - 31800
149.90 - 150.05	2200.0 - 2300.0	36430 - 36500
156.70 - 156.90	2310.0 - 2390.0	38600 以上
162.01 - 167.17	2483.5 - 2900.0	
167.72 - 173.20	3260.0 - 3267.0	

-----THE END OF REPORT-----