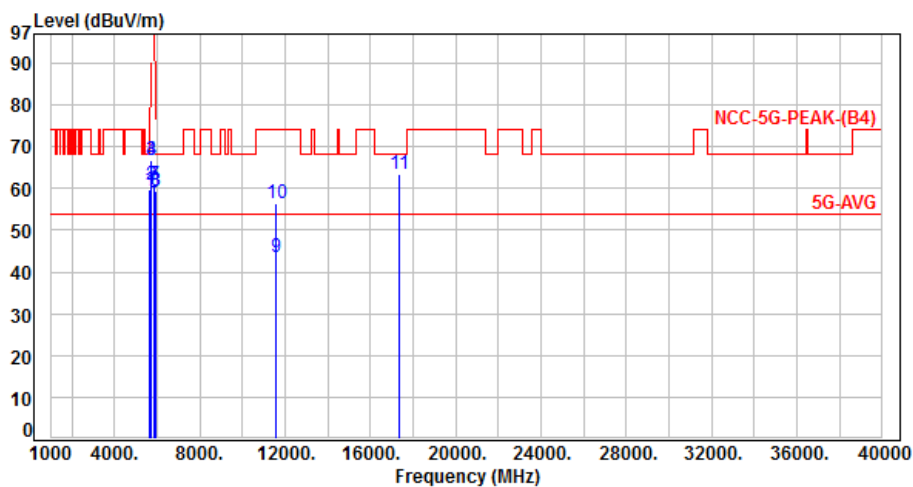




Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, Band 4, CH157		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.46	53.25	59.71	68.20	-8.49	Peak	100	63	P
2	5700.00	6.50	54.43	60.93	105.20	-44.27	Peak	100	63	P
3	5720.00	6.51	60.39	66.90	110.80	-43.90	Peak	100	63	P
4	5725.00	6.52	60.40	66.92	122.20	-55.28	Peak	100	63	P
5	5850.00	6.61	52.49	59.10	122.20	-63.10	Peak	100	0	P
6	5855.00	6.63	54.36	60.99	110.80	-49.81	Peak	100	0	P
7	5875.00	6.73	54.18	60.91	105.20	-44.29	Peak	100	0	P
8	5925.00	6.90	52.65	59.55	68.20	-8.65	Peak	100	0	P
9	11570.00	14.83	28.79	43.62	54.00	-10.38	Average	100	54	P
10	11570.00	14.83	41.70	56.53	74.00	-17.47	Peak	100	54	P
11	17355.00	20.73	42.68	63.41	68.20	-4.79	Peak	100	116	P

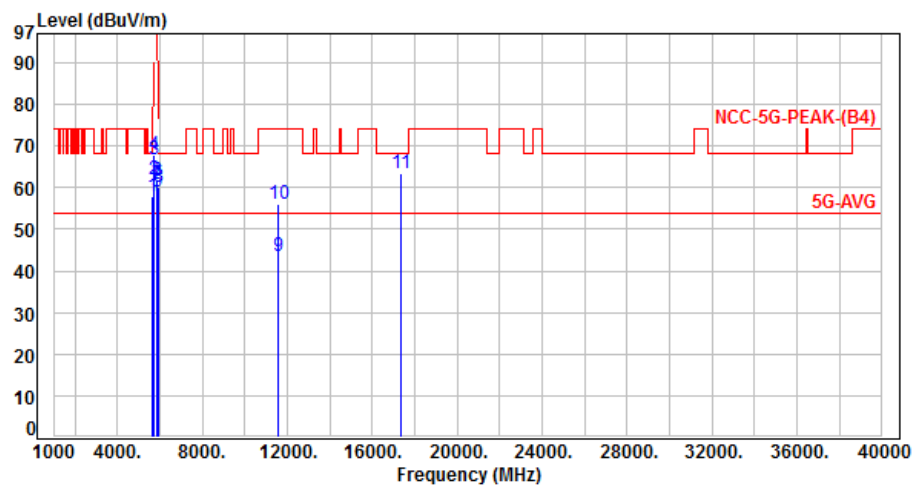
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



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

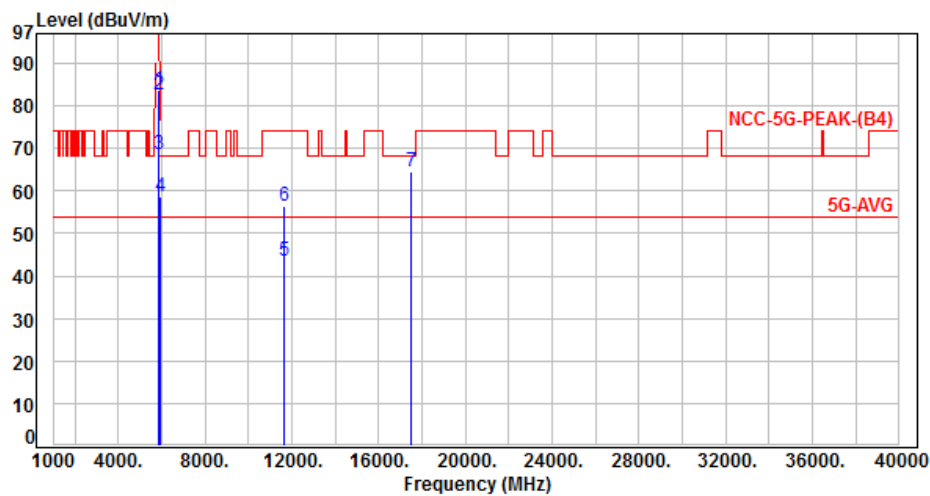


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.46	51.52	57.98	68.20	-10.22	Peak	100	50	P
2	5700.00	6.50	55.33	61.83	105.20	-43.37	Peak	100	50	P
3	5720.00	6.51	60.34	66.85	110.80	-43.95	Peak	100	50	P
4	5725.00	6.52	61.44	67.96	122.20	-54.24	Peak	100	50	P
5	5850.00	6.61	52.42	59.03	122.20	-63.17	Peak	100	0	P
6	5855.00	6.63	54.98	61.61	110.80	-49.19	Peak	100	0	P
7	5875.00	6.73	54.29	61.02	105.20	-44.18	Peak	100	0	P
8	5925.00	6.90	53.31	60.21	68.20	-7.99	Peak	100	0	P
9	11570.00	14.83	28.53	43.36	54.00	-10.64	Average	100	40	P
10	11570.00	14.83	41.24	56.07	74.00	-17.93	Peak	100	40	P
11	17355.00	20.73	42.62	63.35	68.20	-4.85	Peak	100	149	P

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



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



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5850.00	6.61	77.21	83.82	122.20	-38.38	Peak	100	53	P
2	5855.00	6.63	76.04	82.67	110.80	-28.13	Peak	100	53	P
3	5875.00	6.73	61.93	68.66	105.20	-36.54	Peak	100	53	P
4	5925.00	6.90	51.87	58.77	68.20	-9.43	Peak	100	53	P
5	11650.00	14.96	28.72	43.68	54.00	-10.32	Average	100	75	P
6	11650.00	14.96	41.64	56.60	74.00	-17.40	Peak	100	75	P
7	17475.00	21.55	42.89	64.44	68.20	-3.76	Peak	100	121	P

Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



The spectrum plot displays the signal level (dBuV/m) across a frequency range from 1000 to 40000 MHz. The red stepped line represents the NCC-5G-PEAK-(B4) signal, which shows a complex profile with multiple peaks and valleys. A horizontal red line at 55 dBuV/m indicates the 5G-AVG level. Vertical blue lines with labels 1 through 7 mark specific frequency points of interest.

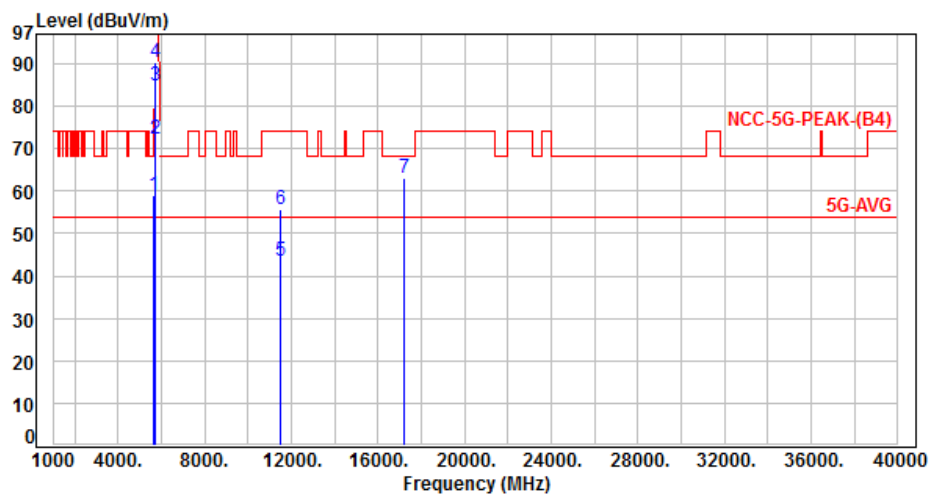
Label	Frequency (MHz)	Level (dBuV/m)
1	~5500	~90
2	~6000	~85
3	~6500	~75
4	~6500	~60
5	~11500	~45
6	~11500	~60
7	~18000	~70

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5850.00	6.61	79.68	86.29	122.20	-35.91	Peak	100	58	P
2	5855.00	6.63	73.16	79.79	110.80	-31.01	Peak	100	58	P
3	5875.00	6.73	61.82	68.55	105.20	-36.65	Peak	100	58	P
4	5925.00	6.90	52.41	59.31	68.20	-8.89	Peak	100	58	P
5	11650.00	14.96	28.42	43.38	54.00	-10.62	Average	100	64	P
6	11650.00	14.96	41.49	56.45	74.00	-17.55	Peak	100	64	P
7	17475.00	21.55	43.20	64.75	68.20	-3.45	Peak	100	112	P

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, Band 4, CH149		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.46	52.55	59.01	68.20	-9.19	Peak	100	50	P
2	5700.00	6.50	65.66	72.16	105.20	-33.04	Peak	100	50	P
3	5720.00	6.51	78.24	84.75	110.80	-26.05	Peak	100	50	P
4	5725.00	6.52	83.90	90.42	122.20	-31.78	Peak	100	50	P
5	11490.00	14.61	28.83	43.44	54.00	-10.56	Average	100	140	P
6	11490.00	14.61	41.24	55.85	74.00	-18.15	Peak	100	140	P
7	17235.00	20.06	43.17	63.23	68.20	-4.97	Peak	100	100	P

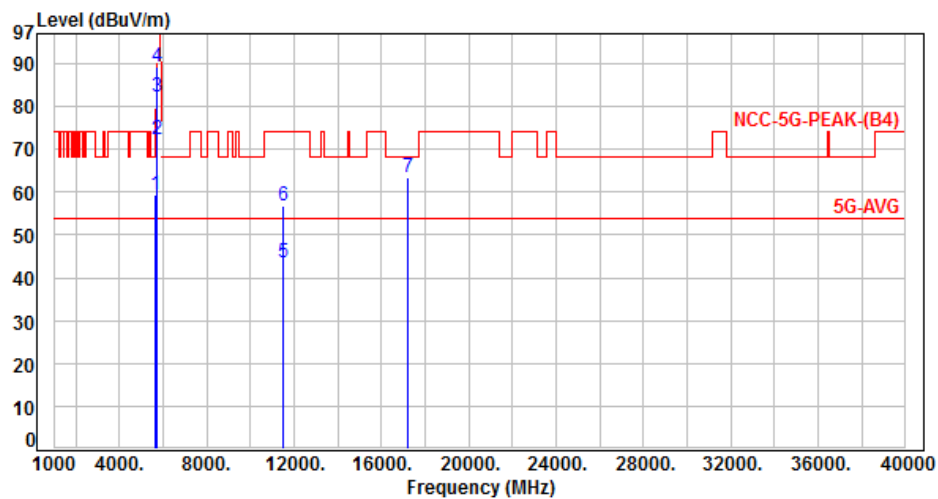
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, Band 4, CH149		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.46	52.96	59.42	68.20	-8.78	Peak	100	63	P
2	5700.00	6.50	65.94	72.44	105.20	-32.76	Peak	100	63	P
3	5720.00	6.51	75.73	82.24	110.80	-28.56	Peak	100	63	P
4	5725.00	6.52	82.70	89.22	122.20	-32.98	Peak	100	63	P
5	11490.00	14.61	28.91	43.52	54.00	-10.48	Average	100	251	P
6	11490.00	14.61	42.07	56.68	74.00	-17.32	Peak	100	251	P
7	17235.00	20.06	43.33	63.39	68.20	-4.81	Peak	100	55	P

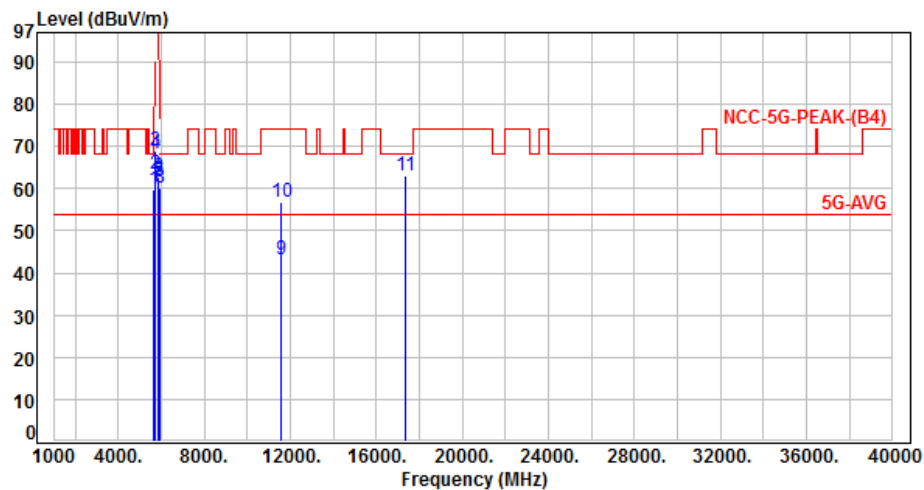
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, Band 4, CH157		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.46	53.11	59.57	68.20	-8.63	Peak	100	45	P
2	5700.00	6.50	57.07	63.57	105.20	-41.63	Peak	100	45	P
3	5720.00	6.51	62.54	69.05	110.80	-41.75	Peak	100	45	P
4	5725.00	6.52	61.60	68.12	122.20	-54.08	Peak	100	45	P
5	5850.00	6.61	55.44	62.05	122.20	-60.15	Peak	100	60	P
6	5855.00	6.63	56.14	62.77	110.80	-48.03	Peak	100	60	P
7	5875.00	6.73	54.96	61.69	105.20	-43.51	Peak	100	60	P
8	5925.00	6.90	53.30	60.20	68.20	-8.00	Peak	100	60	P
9	11570.00	14.83	28.23	43.06	54.00	-10.94	Average	100	130	P
10	11570.00	14.83	41.83	56.66	74.00	-17.34	Peak	100	130	P
11	17355.00	20.73	42.47	63.20	68.20	-5.00	Peak	100	126	P

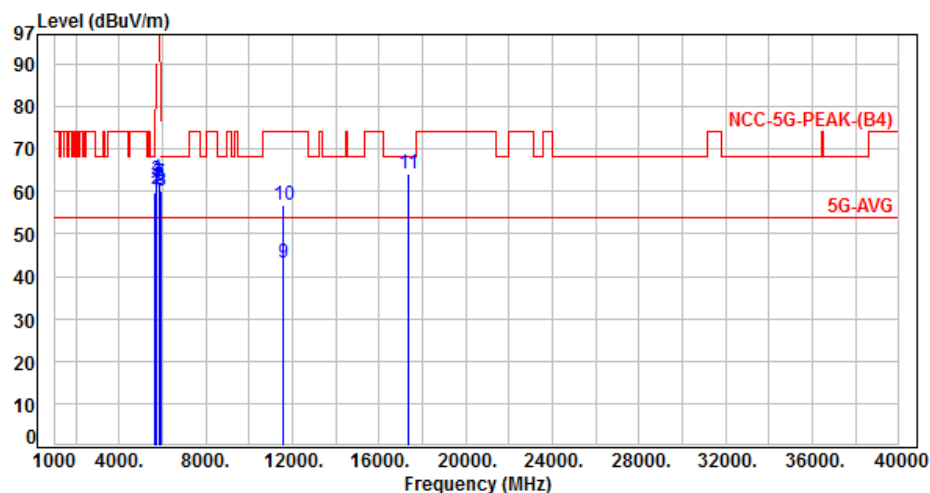
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, Band 4, CH157		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.46	53.35	59.81	68.20	-8.39	Peak	100	53	P
2	5700.00	6.50	54.16	60.66	105.20	-44.54	Peak	100	53	P
3	5720.00	6.51	56.28	62.79	110.80	-48.01	Peak	100	53	P
4	5725.00	6.52	56.69	63.21	122.20	-58.99	Peak	100	53	P
5	5850.00	6.61	53.90	60.51	122.20	-61.69	Peak	100	60	P
6	5855.00	6.63	54.76	61.39	110.80	-49.41	Peak	100	60	P
7	5875.00	6.73	55.09	61.82	105.20	-43.38	Peak	100	60	P
8	5925.00	6.90	53.24	60.14	68.20	-8.06	Peak	100	60	P
9	11570.00	14.83	28.40	43.23	54.00	-10.77	Average	100	179	P
10	11570.00	14.83	42.09	56.92	74.00	-17.08	Peak	100	179	P
11	17355.00	20.73	43.29	64.02	68.20	-4.18	Peak	100	143	P

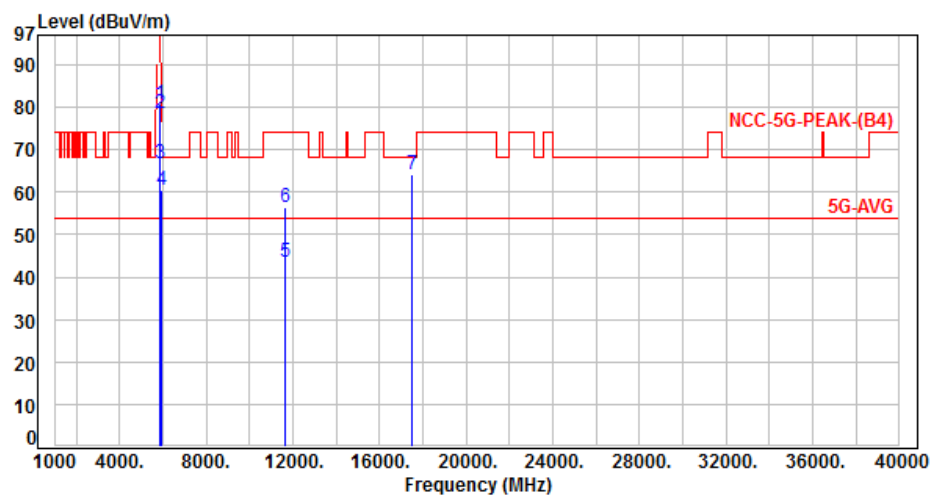
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, Band 4, CH165		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5850.00	6.61	74.04	80.65	122.20	-41.55	Peak	100	55	P
2	5855.00	6.63	72.05	78.68	110.80	-32.12	Peak	100	55	P
3	5875.00	6.73	60.11	66.84	105.20	-38.36	Peak	100	55	P
4	5925.00	6.90	53.41	60.31	68.20	-7.89	Peak	100	55	P
5	11650.00	14.96	28.52	43.48	54.00	-10.52	Average	100	52	P
6	11650.00	14.96	41.32	56.28	74.00	-17.72	Peak	100	52	P
7	17475.00	21.55	42.65	64.20	68.20	-4.00	Peak	100	160	P

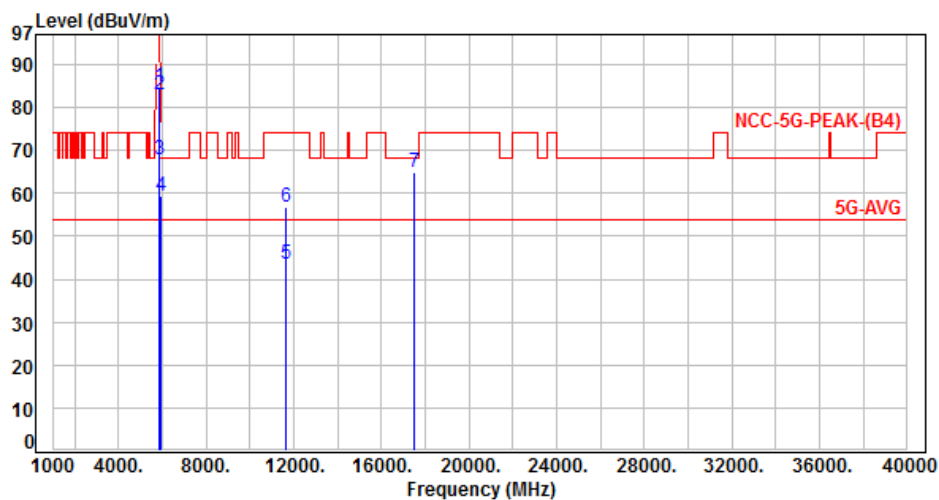
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, Band 4, CH165		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5850.00	6.61	78.20	84.81	122.20	-37.39	Peak	100	55	P
2	5855.00	6.63	76.18	82.81	110.80	-27.99	Peak	100	55	P
3	5875.00	6.73	61.07	67.80	105.20	-37.40	Peak	100	55	P
4	5925.00	6.90	52.65	59.55	68.20	-8.65	Peak	100	55	P
5	11650.00	14.96	28.38	43.34	54.00	-10.66	Average	100	75	P
6	11650.00	14.96	41.75	56.71	74.00	-17.29	Peak	100	75	P
7	17475.00	21.55	43.20	64.75	68.20	-3.45	Peak	100	120	P

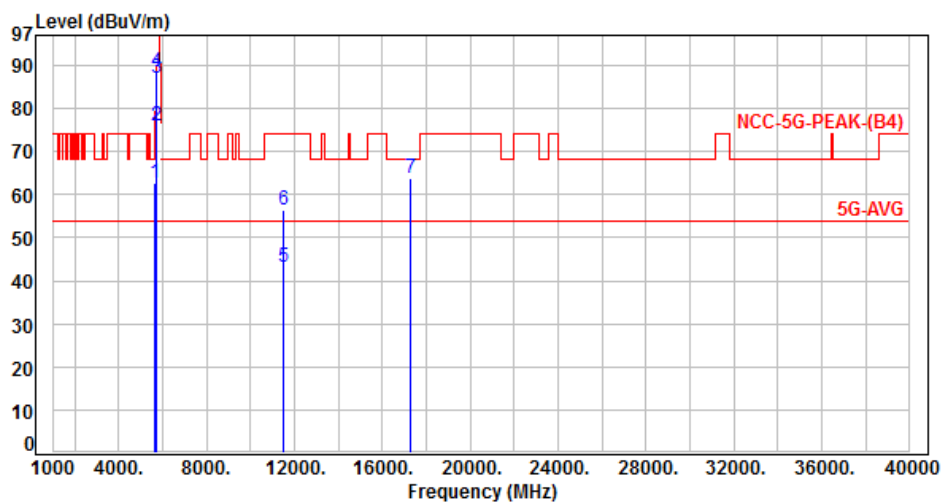
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 3, Band 4, CH151		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.46	56.07	62.53	68.20	-5.67	Peak	100	55	P
2	5700.00	6.50	69.30	75.80	105.20	-29.40	Peak	100	55	P
3	5720.00	6.51	80.40	86.91	110.80	-23.89	Peak	100	55	P
4	5725.00	6.52	81.98	88.50	122.20	-33.70	Peak	100	55	P
5	11510.00	14.65	28.68	43.33	54.00	-10.67	Average	100	87	P
6	11510.00	14.65	41.72	56.37	74.00	-17.63	Peak	100	87	P
7	17265.00	20.26	43.40	63.66	68.20	-4.54	Peak	100	114	P

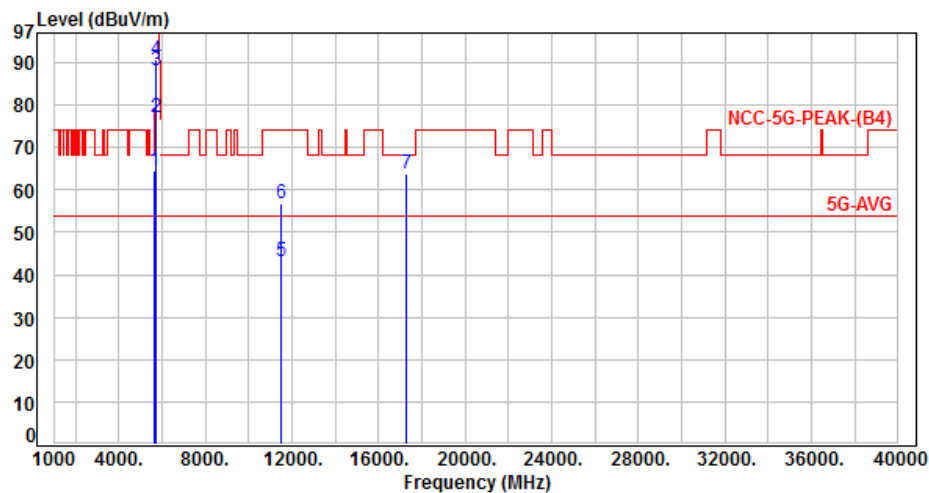
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 3, Band 4, CH151		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.46	58.08	64.54	68.20	-3.66	Peak	100	55	P
2	5700.00	6.50	70.76	77.26	105.20	-27.94	Peak	100	55	P
3	5720.00	6.51	81.71	88.22	110.80	-22.58	Peak	100	55	P
4	5725.00	6.52	84.17	90.69	122.20	-31.51	Peak	100	55	P
5	11510.00	14.65	28.57	43.22	54.00	-10.78	Average	100	125	P
6	11510.00	14.65	42.01	56.66	74.00	-17.34	Peak	100	125	P
7	17265.00	20.26	43.46	63.72	68.20	-4.48	Peak	100	255	P

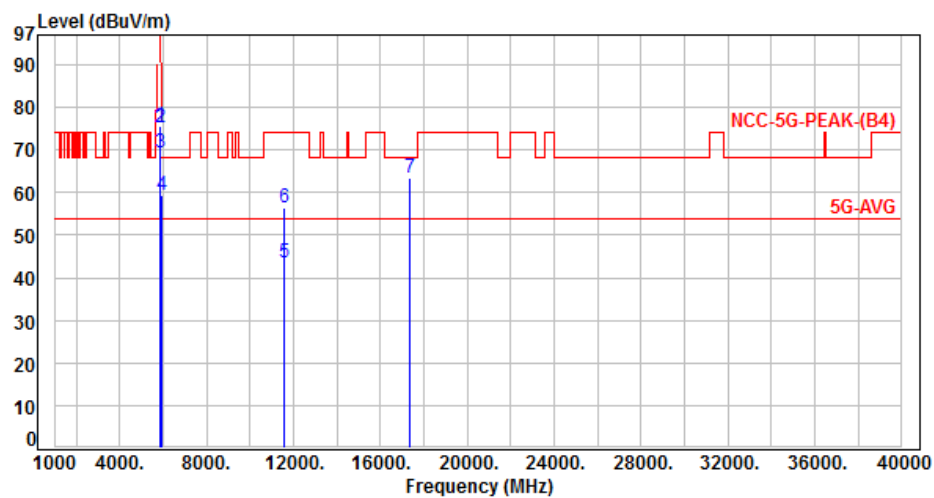
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 3, Band 4, CH159		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5850.00	6.61	69.15	75.76	122.20	-46.44	Peak	100	52	P
2	5855.00	6.63	68.65	75.28	110.80	-35.52	Peak	100	52	P
3	5875.00	6.73	62.56	69.29	105.20	-35.91	Peak	100	52	P
4	5925.00	6.90	52.46	59.36	68.20	-8.84	Peak	100	52	P
5	11590.00	14.89	28.62	43.51	54.00	-10.49	Average	100	139	P
6	11590.00	14.89	41.44	56.33	74.00	-17.67	Peak	100	139	P
7	17385.00	20.85	42.76	63.61	68.20	-4.59	Peak	100	110	P

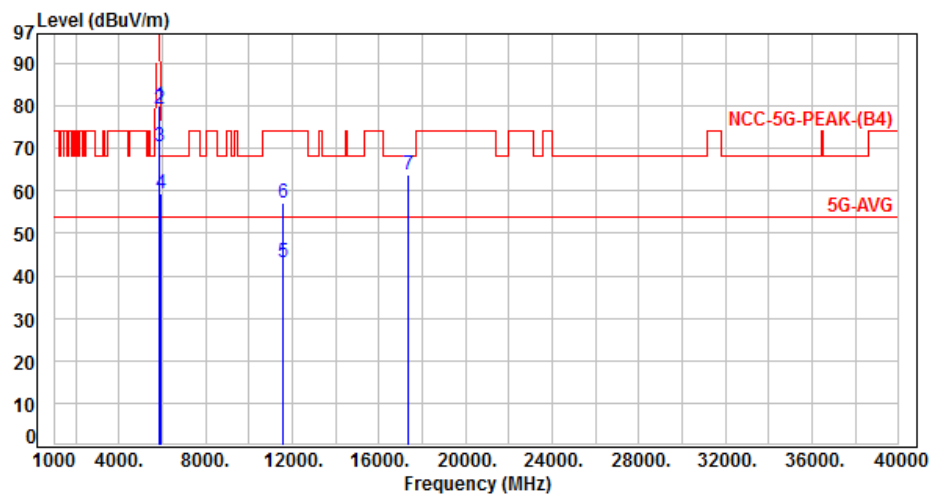
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 3, Band 4, CH159		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5850.00	6.61	73.54	80.15	122.20	-42.05	Peak	100	50	P
2	5855.00	6.63	72.60	79.23	110.80	-31.57	Peak	100	50	P
3	5875.00	6.73	63.68	70.41	105.20	-34.79	Peak	100	50	P
4	5925.00	6.90	52.49	59.39	68.20	-8.81	Peak	100	50	P
5	11590.00	14.89	28.27	43.16	54.00	-10.84	Average	100	140	P
6	11590.00	14.89	42.19	57.08	74.00	-16.92	Peak	100	140	P
7	17385.00	20.85	42.93	63.78	68.20	-4.42	Peak	100	204	P

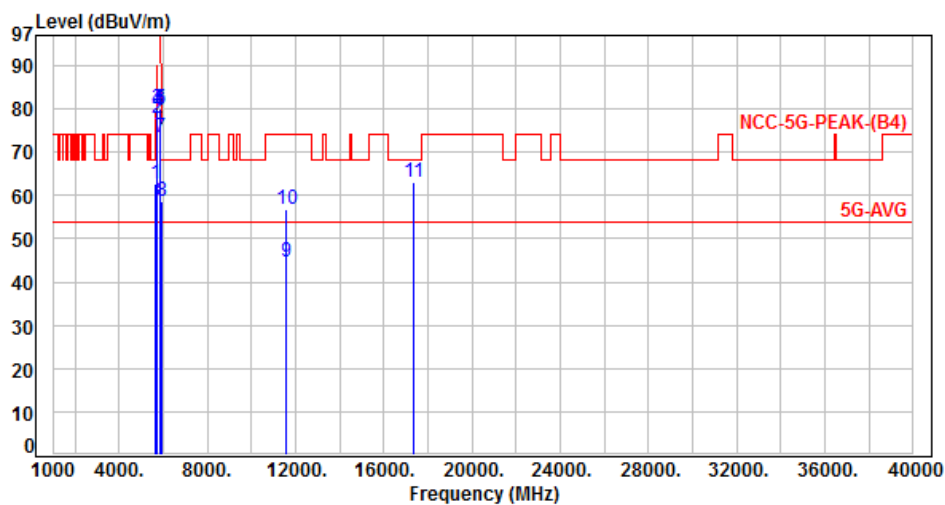
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



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



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.46	56.23	62.69	68.20	-5.51	Peak	100	56	P
2	5700.00	6.50	71.39	77.89	105.20	-27.31	Peak	100	56	P
3	5720.00	6.51	73.35	79.86	110.80	-30.94	Peak	100	56	P
4	5725.00	6.52	73.45	79.97	122.20	-42.23	Peak	100	56	P
5	5850.00	6.61	73.47	80.08	122.20	-42.12	Peak	100	56	P
6	5855.00	6.63	73.09	79.72	110.80	-31.08	Peak	100	56	P
7	5875.00	6.73	66.74	73.47	105.20	-31.73	Peak	100	56	P
8	5925.00	6.90	51.83	58.73	68.20	-9.47	Peak	100	56	P
9	11550.00	14.77	29.70	44.47	54.00	-9.53	Average	100	156	P
10	11550.00	14.77	42.17	56.94	74.00	-17.06	Peak	100	156	P
11	17325.00	20.59	42.59	63.18	68.20	-5.02	Peak	100	231	P

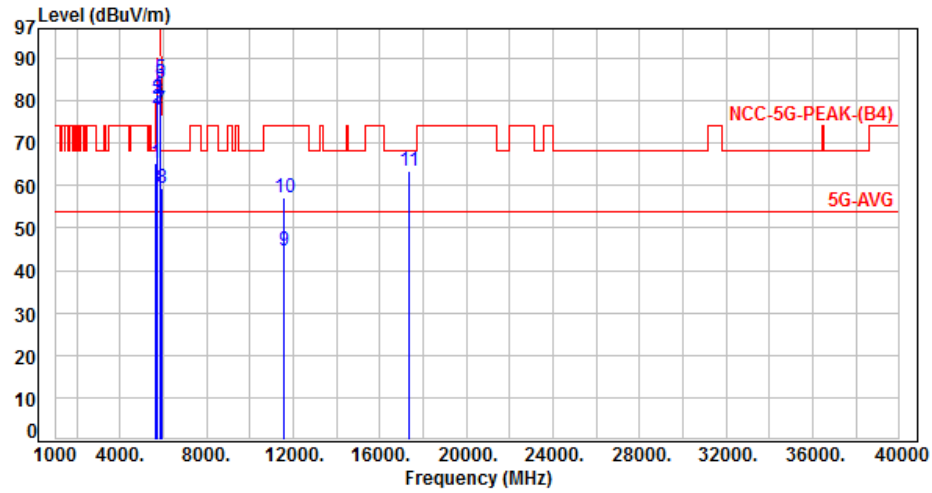
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



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



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.46	58.92	65.38	68.20	-2.82	Peak	100	55	P
2	5700.00	6.50	71.59	78.09	105.20	-27.11	Peak	100	55	P
3	5720.00	6.51	73.88	80.39	110.80	-30.41	Peak	100	55	P
4	5725.00	6.52	74.89	81.41	122.20	-40.79	Peak	100	55	P
5	5850.00	6.61	78.40	85.01	122.20	-37.19	Peak	100	55	P
6	5855.00	6.63	77.40	84.03	110.80	-26.77	Peak	100	55	P
7	5875.00	6.73	71.08	77.81	105.20	-27.39	Peak	100	55	P
8	5925.00	6.90	52.31	59.21	68.20	-8.99	Peak	100	55	P
9	11550.00	14.77	29.83	44.60	54.00	-9.40	Average	100	30	P
10	11550.00	14.77	42.32	57.09	74.00	-16.91	Peak	100	30	P
11	17325.00	20.59	42.68	63.27	68.20	-4.93	Peak	100	305	P

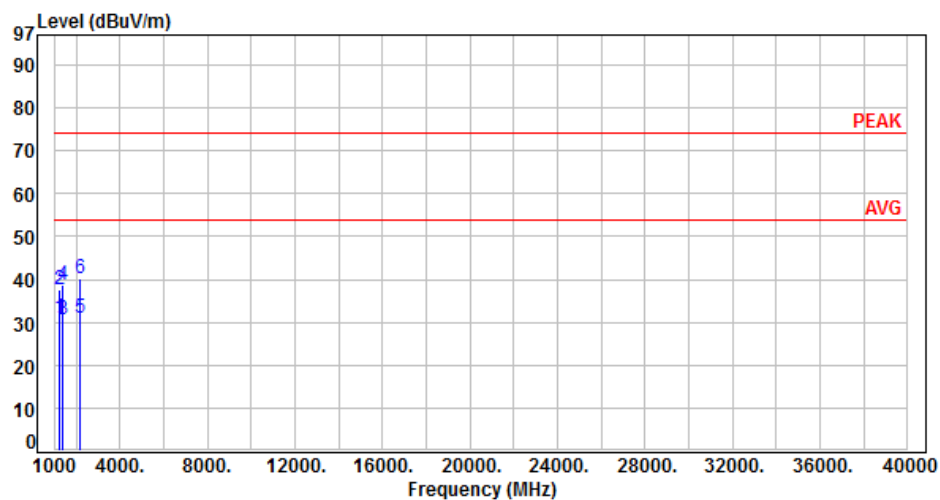
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 7, Band 1, CH36		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	39.42	31.08	54.00	-22.92	Average	220	165	P
2	1248.00	-8.34	46.13	37.79	74.00	-36.21	Peak	220	165	P
3	1344.00	-7.91	38.56	30.65	54.00	-23.35	Average	140	100	P
4	1344.00	-7.91	46.70	38.79	74.00	-35.21	Peak	140	100	P
5	2208.00	-3.68	34.53	30.85	54.00	-23.15	Average	100	360	P
6	2208.00	-3.68	43.94	40.26	74.00	-33.74	Peak	100	360	P

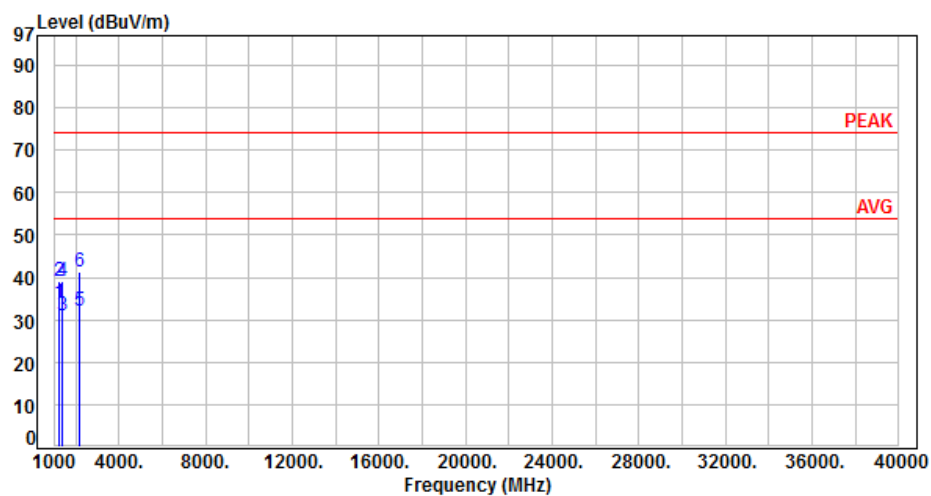
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 7, Band 1, CH36		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	42.25	33.91	54.00	-20.09	Average	100	55	P
2	1248.00	-8.34	47.35	39.01	74.00	-34.99	Peak	100	55	P
3	1344.00	-7.91	38.98	31.07	54.00	-22.93	Average	120	70	P
4	1344.00	-7.91	46.85	38.94	74.00	-35.06	Peak	120	70	P
5	2208.00	-3.68	35.74	32.06	54.00	-21.94	Average	198	160	P
6	2208.00	-3.68	44.85	41.17	74.00	-32.83	Peak	198	160	P

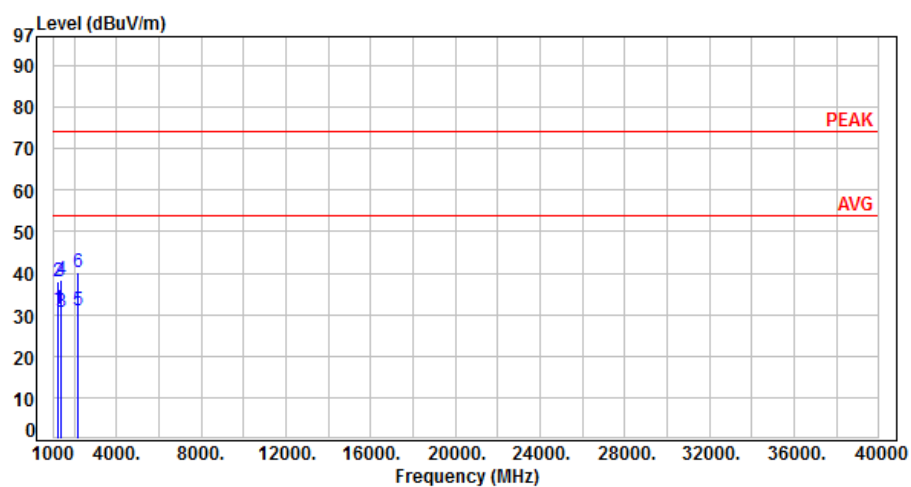
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 7, Band 1, CH40		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	39.64	31.30	54.00	-22.70	Average	200	165	P
2	1248.00	-8.34	46.30	37.96	74.00	-36.04	Peak	200	165	P
3	1344.00	-7.91	38.65	30.74	54.00	-23.26	Average	140	90	P
4	1344.00	-7.91	46.28	38.37	74.00	-35.63	Peak	140	90	P
5	2208.00	-3.68	34.57	30.89	54.00	-23.11	Average	100	355	P
6	2208.00	-3.68	43.78	40.10	74.00	-33.90	Peak	100	355	P

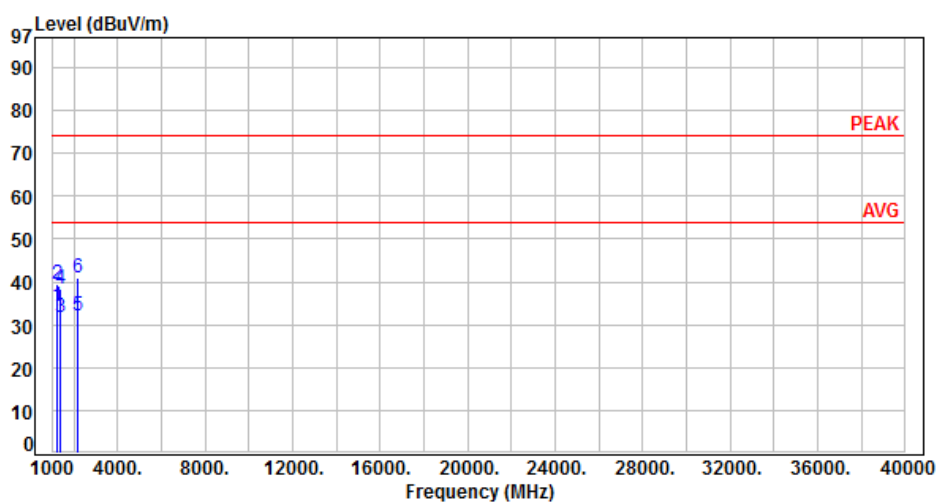
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 7, Band 1, CH40		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	42.56	34.22	54.00	-19.78	Average	100	55	P
2	1248.00	-8.34	47.74	39.40	74.00	-34.60	Peak	100	55	P
3	1344.00	-7.91	39.63	31.72	54.00	-22.28	Average	120	75	P
4	1344.00	-7.91	46.45	38.54	74.00	-35.46	Peak	120	75	P
5	2208.00	-3.68	35.72	32.04	54.00	-21.96	Average	215	165	P
6	2208.00	-3.68	44.50	40.82	74.00	-33.18	Peak	215	165	P

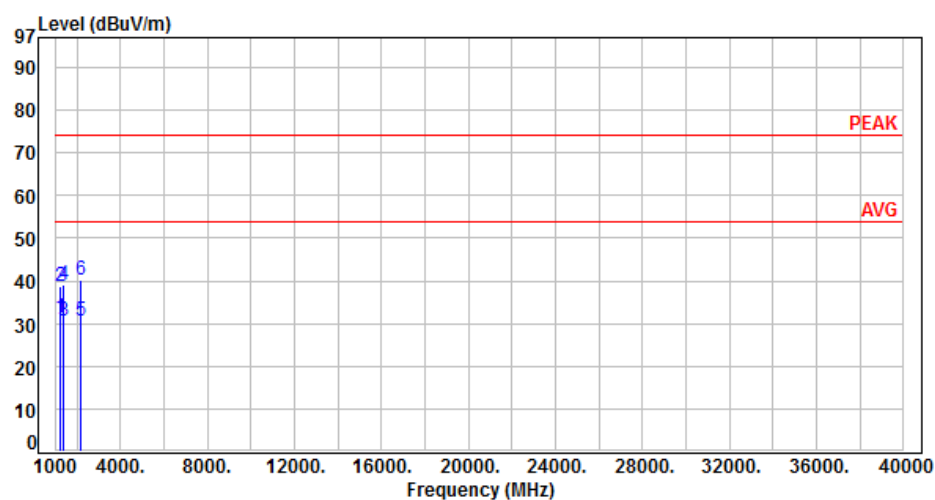
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 7, Band 1, CH48		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	39.83	31.49	54.00	-22.51	Average	215	165	P
2	1248.00	-8.34	47.05	38.71	74.00	-35.29	Peak	215	165	P
3	1344.00	-7.91	38.45	30.54	54.00	-23.46	Average	150	90	P
4	1344.00	-7.91	46.85	38.94	74.00	-35.06	Peak	150	90	P
5	2208.00	-3.68	34.36	30.68	54.00	-23.32	Average	100	5	P
6	2208.00	-3.68	44.05	40.37	74.00	-33.63	Peak	100	5	P

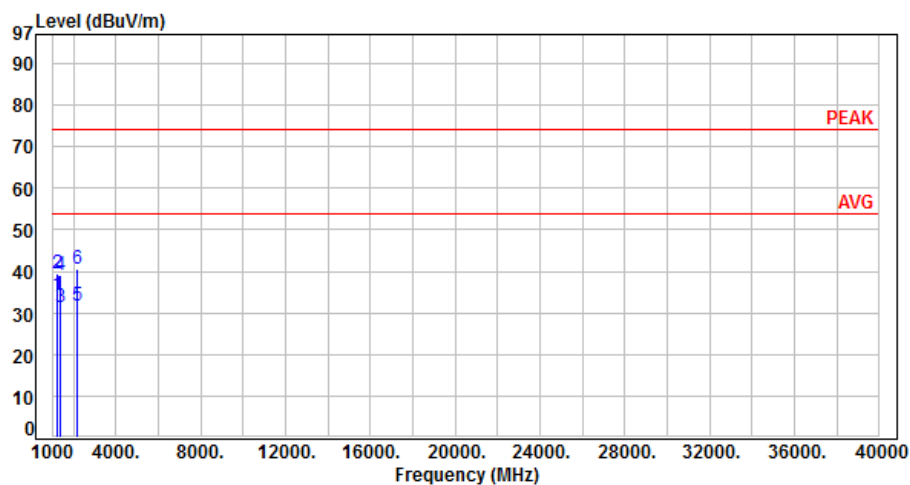
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 7, Band 1, CH48		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	42.64	34.30	54.00	-19.70	Average	105	65	P
2	1248.00	-8.34	47.65	39.31	74.00	-34.69	Peak	105	65	P
3	1344.00	-7.91	39.15	31.24	54.00	-22.76	Average	120	70	P
4	1344.00	-7.91	46.84	38.93	74.00	-35.07	Peak	120	70	P
5	2208.00	-3.68	35.42	31.74	54.00	-22.26	Average	212	155	P
6	2208.00	-3.68	44.34	40.66	74.00	-33.34	Peak	212	155	P

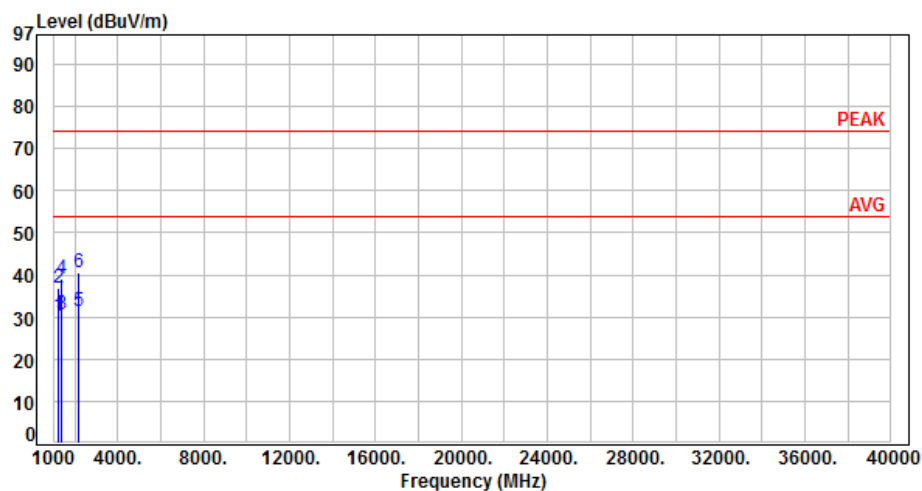
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 7, Band 2, CH52		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	38.64	30.30	54.00	-23.70	Average	200	177	P
2	1248.00	-8.34	45.33	36.99	74.00	-37.01	Peak	200	177	P
3	1344.00	-7.91	38.71	30.80	54.00	-23.20	Average	155	100	P
4	1344.00	-7.91	46.93	39.02	74.00	-34.98	Peak	155	100	P
5	2208.00	-3.68	35.00	31.32	54.00	-22.68	Average	100	355	P
6	2208.00	-3.68	44.15	40.47	74.00	-33.53	Peak	100	355	P

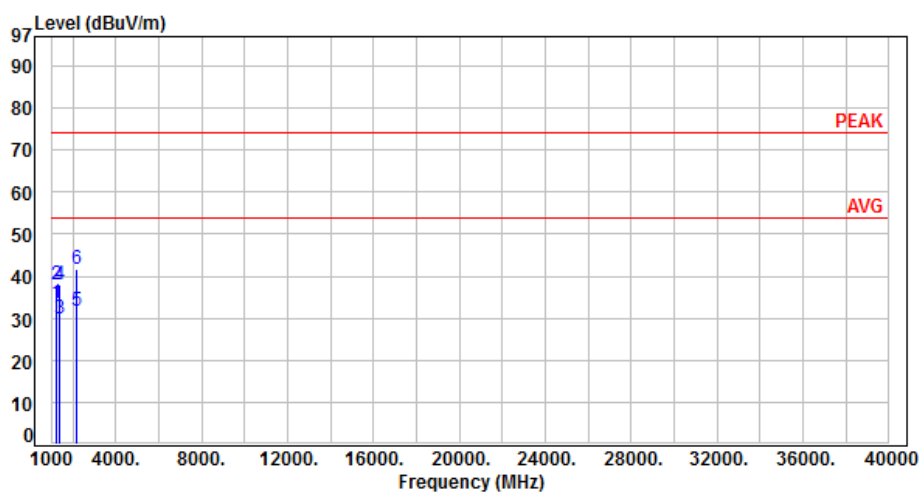
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 7, Band 2, CH52		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	41.84	33.50	54.00	-20.50	Average	100	39	P
2	1248.00	-8.34	46.50	38.16	74.00	-35.84	Peak	100	39	P
3	1344.00	-7.91	37.82	29.91	54.00	-24.09	Average	115	74	P
4	1344.00	-7.91	45.81	37.90	74.00	-36.10	Peak	115	74	P
5	2208.00	-3.68	35.35	31.67	54.00	-22.33	Average	190	160	P
6	2208.00	-3.68	45.24	41.56	74.00	-32.44	Peak	190	160	P

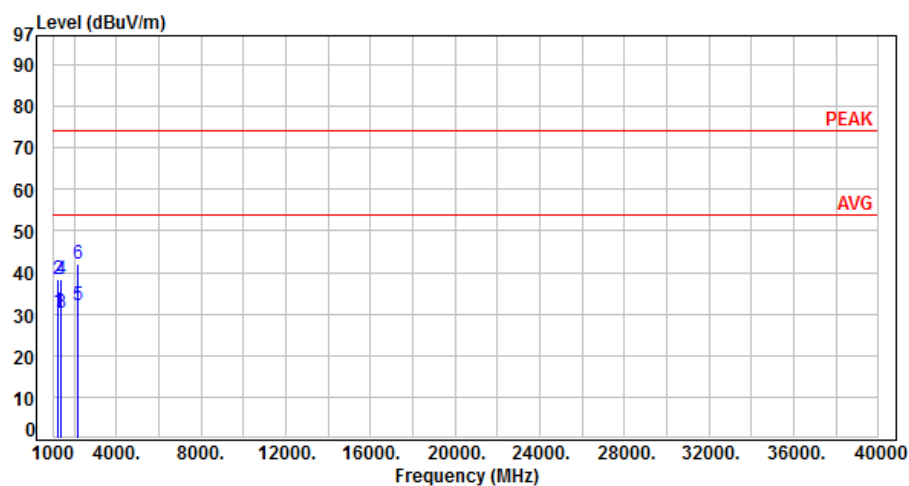
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 7, Band 2, CH60		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	39.10	30.76	54.00	-23.24	Average	212	165	P
2	1248.00	-8.34	46.79	38.45	74.00	-35.55	Peak	212	165	P
3	1344.00	-7.91	38.14	30.23	54.00	-23.77	Average	140	95	P
4	1344.00	-7.91	46.45	38.54	74.00	-35.46	Peak	140	95	P
5	2208.00	-3.68	35.62	31.94	54.00	-22.06	Average	100	352	P
6	2208.00	-3.68	45.87	42.19	74.00	-31.81	Peak	100	352	P

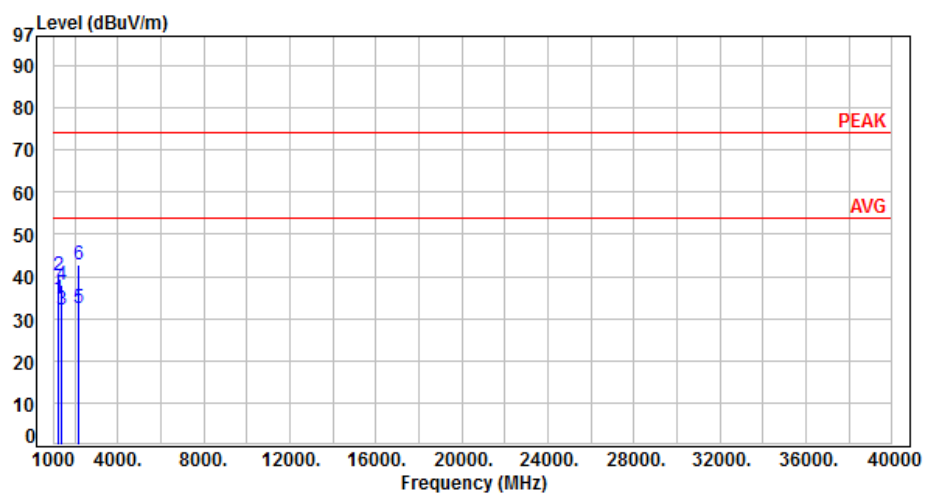
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 7, Band 2, CH60		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	42.94	34.60	54.00	-19.40	Average	110	57	P
2	1248.00	-8.34	48.39	40.05	74.00	-33.95	Peak	110	57	P
3	1344.00	-7.91	40.13	32.22	54.00	-21.78	Average	130	70	P
4	1344.00	-7.91	45.85	37.94	74.00	-36.06	Peak	130	70	P
5	2208.00	-3.68	36.03	32.35	54.00	-21.65	Average	219	166	P
6	2208.00	-3.68	46.37	42.69	74.00	-31.31	Peak	219	166	P

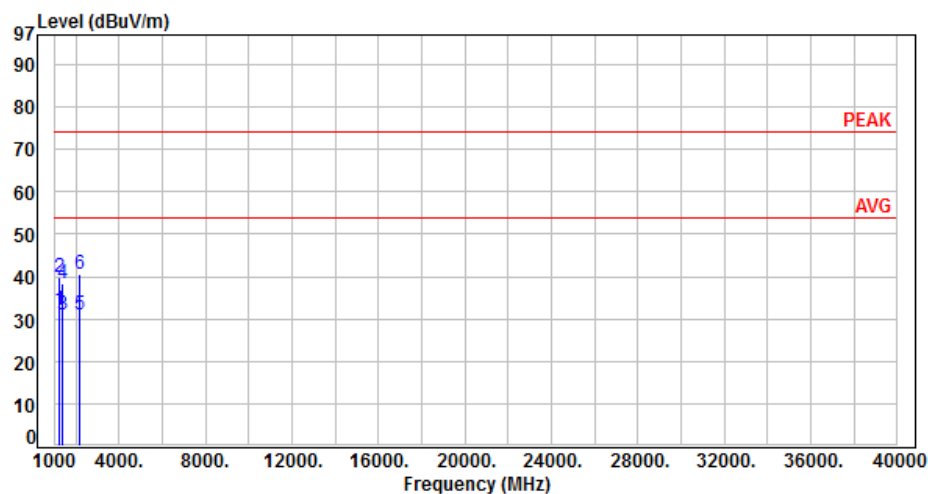
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 7, Band 2, CH64		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	40.29	31.95	54.00	-22.05	Average	220	160	P
2	1248.00	-8.34	48.02	39.68	74.00	-34.32	Peak	220	160	P
3	1344.00	-7.91	38.75	30.84	54.00	-23.16	Average	150	90	P
4	1344.00	-7.91	46.34	38.43	74.00	-35.57	Peak	150	90	P
5	2208.00	-3.68	34.57	30.89	54.00	-23.11	Average	100	0	P
6	2208.00	-3.68	44.30	40.62	74.00	-33.38	Peak	100	0	P

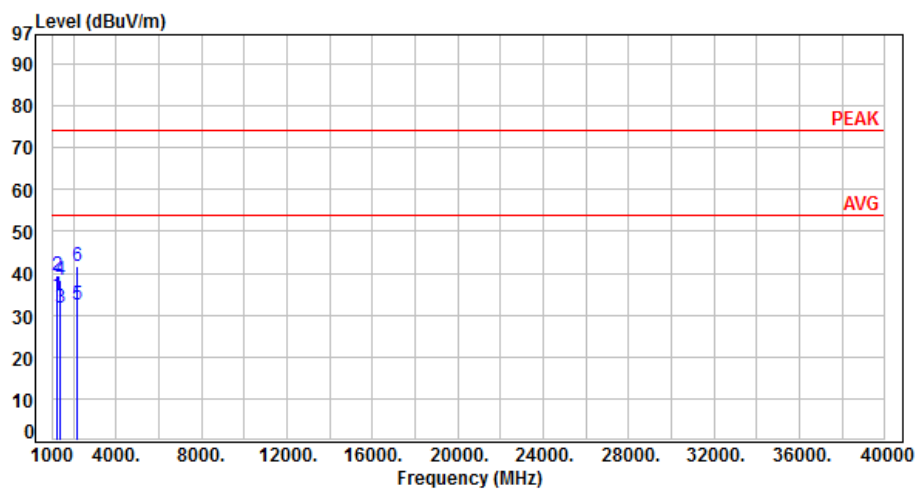
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 7, Band 2, CH64		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	42.89	34.55	54.00	-19.45	Average	100	44	P
2	1248.00	-8.34	47.85	39.51	74.00	-34.49	Peak	100	44	P
3	1344.00	-7.91	39.63	31.72	54.00	-22.28	Average	100	70	P
4	1344.00	-7.91	46.34	38.43	74.00	-35.57	Peak	100	70	P
5	2208.00	-3.68	36.01	32.33	54.00	-21.67	Average	215	150	P
6	2208.00	-3.68	45.17	41.49	74.00	-32.51	Peak	215	150	P

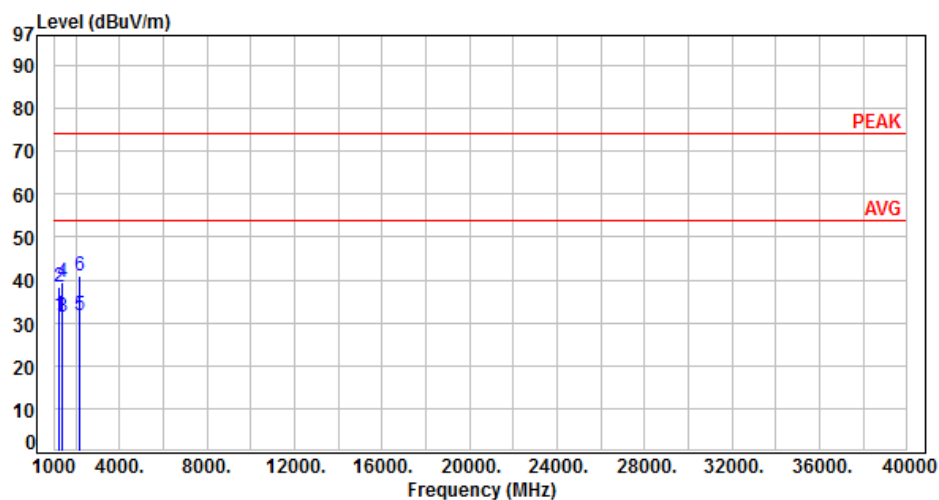
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 7, Band 3, CH106		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	39.98	31.64	54.00	-22.36	Average	210	165	P
2	1248.00	-8.34	46.69	38.35	74.00	-35.65	Peak	210	165	P
3	1344.00	-7.91	39.12	31.21	54.00	-22.79	Average	145	100	P
4	1344.00	-7.91	47.26	39.35	74.00	-34.65	Peak	145	100	P
5	2208.00	-3.68	35.27	31.59	54.00	-22.41	Average	105	360	P
6	2208.00	-3.68	44.68	41.00	74.00	-33.00	Peak	105	360	P

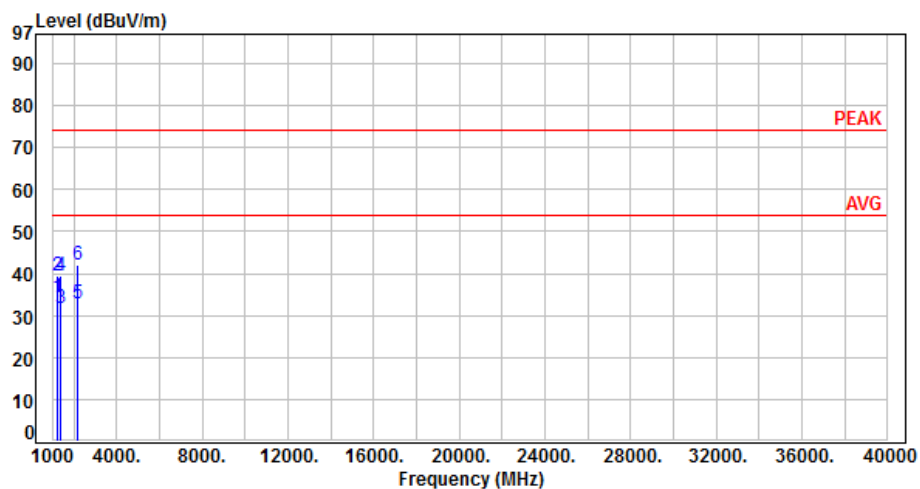
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 7, Band 3, CH106		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	42.81	34.47	54.00	-19.53	Average	100	43	P
2	1248.00	-8.34	47.91	39.57	74.00	-34.43	Peak	100	43	P
3	1344.00	-7.91	39.54	31.63	54.00	-22.37	Average	135	77	P
4	1344.00	-7.91	47.41	39.50	74.00	-34.50	Peak	135	77	P
5	2208.00	-3.68	36.48	32.80	54.00	-21.20	Average	195	155	P
6	2208.00	-3.68	45.59	41.91	74.00	-32.09	Peak	195	155	P

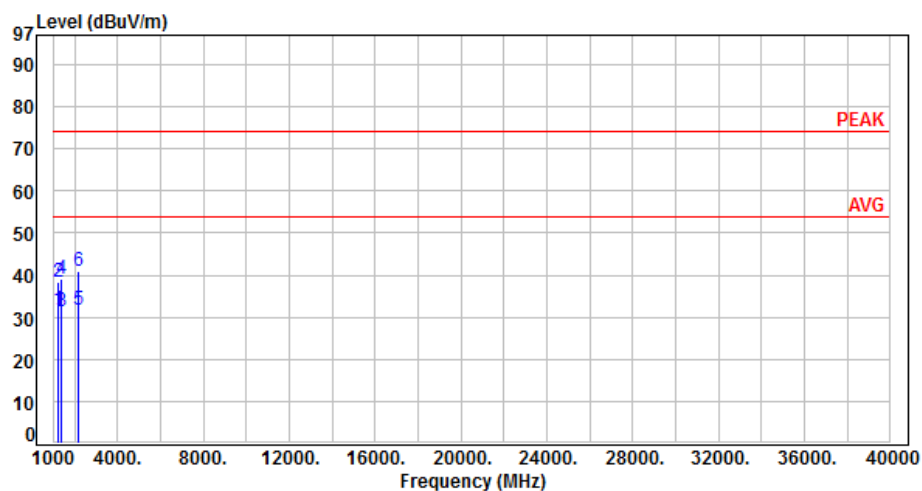
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 7, Band 3, CH122		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	40.20	31.86	54.00	-22.14	Average	205	163	P
2	1248.00	-8.34	46.86	38.52	74.00	-35.48	Peak	205	163	P
3	1344.00	-7.91	39.21	31.30	54.00	-22.70	Average	135	90	P
4	1344.00	-7.91	46.84	38.93	74.00	-35.07	Peak	135	90	P
5	2208.00	-3.68	35.31	31.63	54.00	-22.37	Average	100	356	P
6	2208.00	-3.68	44.52	40.84	74.00	-33.16	Peak	100	356	P

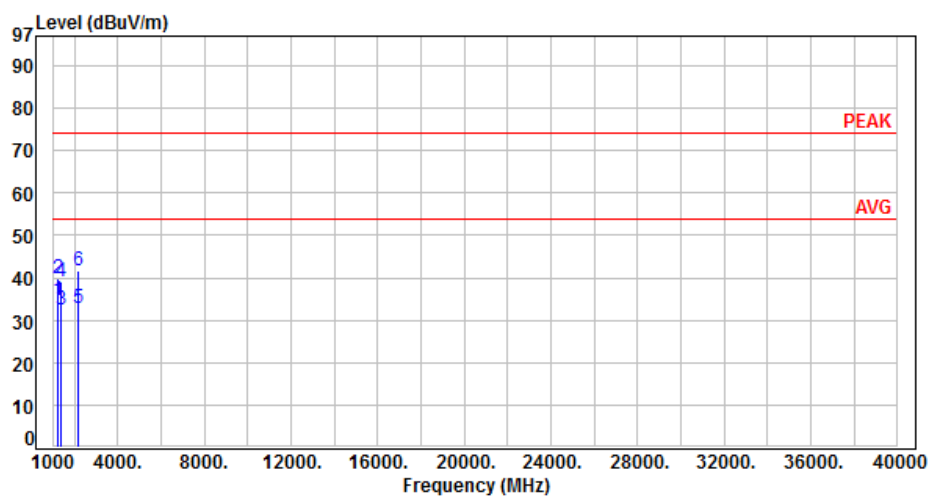
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 7, Band 3, CH122		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	43.12	34.78	54.00	-19.22	Average	105	45	P
2	1248.00	-8.34	48.30	39.96	74.00	-34.04	Peak	105	45	P
3	1344.00	-7.91	40.19	32.28	54.00	-21.72	Average	125	79	P
4	1344.00	-7.91	47.01	39.10	74.00	-34.90	Peak	125	79	P
5	2208.00	-3.68	36.46	32.78	54.00	-21.22	Average	210	168	P
6	2208.00	-3.68	45.24	41.56	74.00	-32.44	Peak	210	168	P

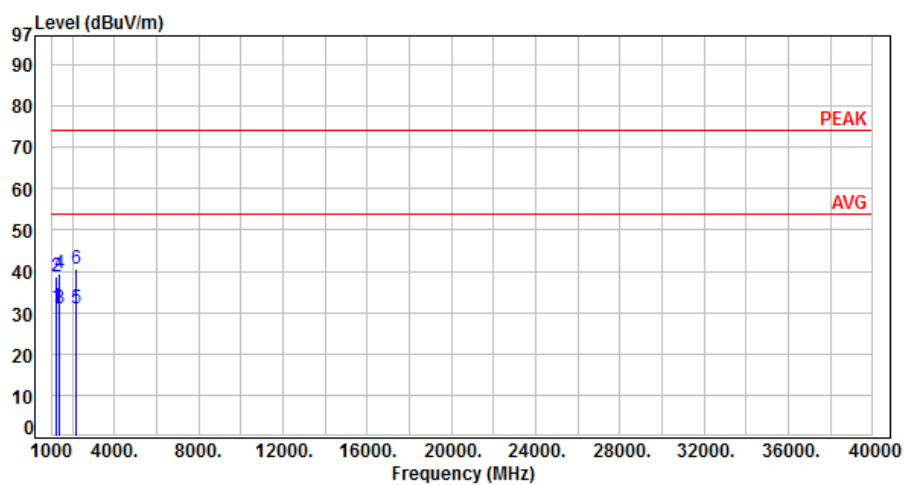
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 7, Band 4, CH149		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	39.55	31.21	54.00	-22.79	Average	210	165	P
2	1248.00	-8.34	47.22	38.88	74.00	-35.12	Peak	210	165	P
3	1344.00	-7.91	38.91	31.00	54.00	-23.00	Average	140	95	P
4	1344.00	-7.91	47.31	39.40	74.00	-34.60	Peak	140	95	P
5	2208.00	-3.68	34.70	31.02	54.00	-22.98	Average	100	0	P
6	2208.00	-3.68	44.26	40.58	74.00	-33.42	Peak	100	0	P

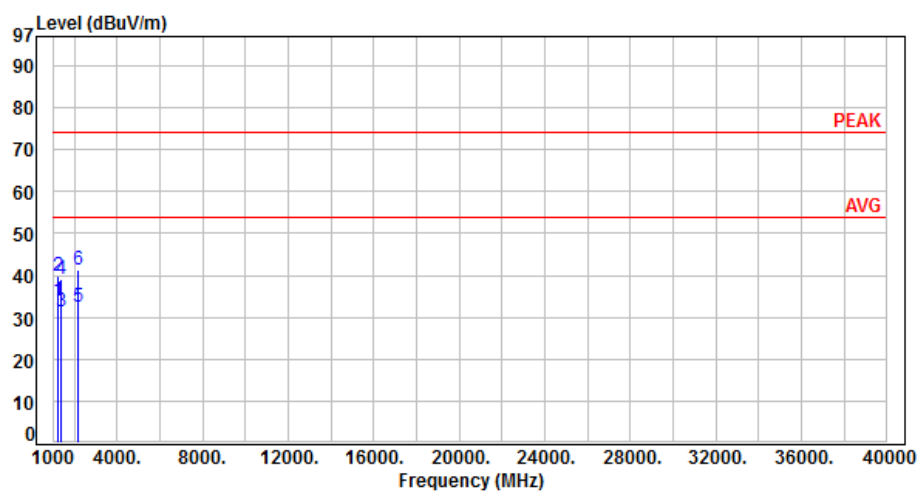
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 7, Band 4, CH149		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	42.36	34.02	54.00	-19.98	Average	100	55	P
2	1248.00	-8.34	48.11	39.77	74.00	-34.23	Peak	100	55	P
3	1344.00	-7.91	39.34	31.43	54.00	-22.57	Average	120	78	P
4	1344.00	-7.91	47.10	39.19	74.00	-34.81	Peak	120	78	P
5	2208.00	-3.68	36.00	32.32	54.00	-21.68	Average	200	160	P
6	2208.00	-3.68	45.12	41.44	74.00	-32.56	Peak	200	160	P

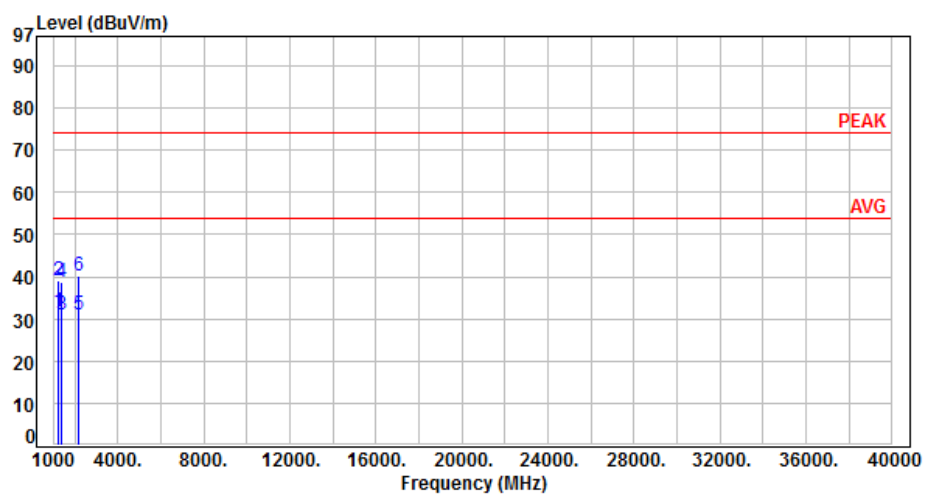
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 7, Band 4, CH157		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	40.20	31.86	54.00	-22.14	Average	215	165	P
2	1248.00	-8.34	47.40	39.06	74.00	-34.94	Peak	215	165	P
3	1344.00	-7.91	38.90	30.99	54.00	-23.01	Average	140	90	P
4	1344.00	-7.91	46.54	38.63	74.00	-35.37	Peak	140	90	P
5	2208.00	-3.68	34.70	31.02	54.00	-22.98	Average	100	360	P
6	2208.00	-3.68	43.81	40.13	74.00	-33.87	Peak	100	360	P

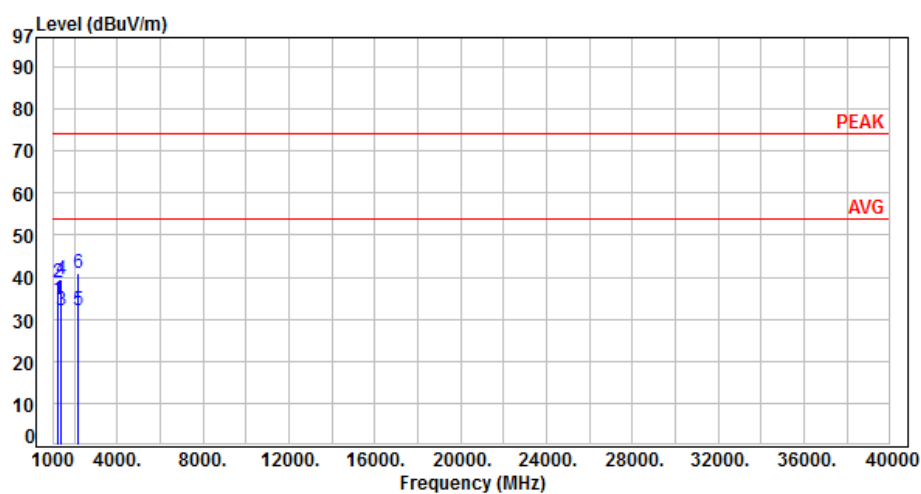
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 7, Band 4, CH157		:

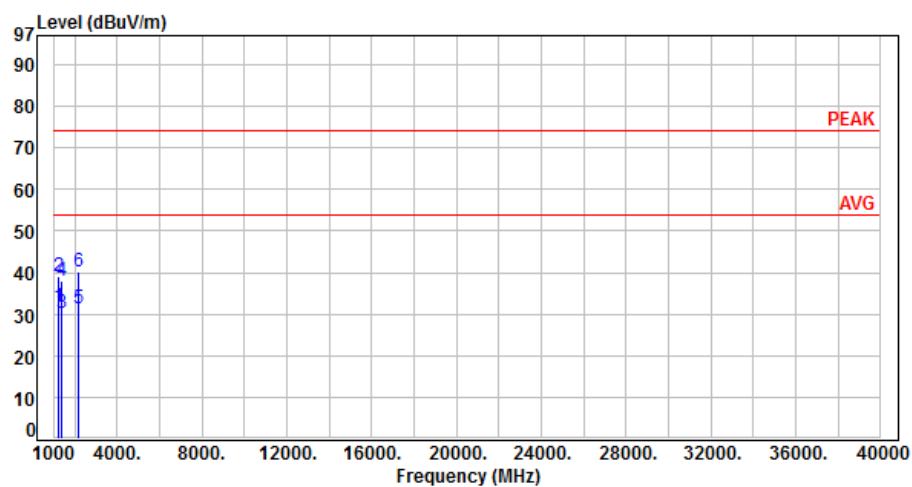


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	43.08	34.74	54.00	-19.26	Average	110	55	P
2	1248.00	-8.34	47.24	38.90	74.00	-35.10	Peak	110	55	P
3	1344.00	-7.91	40.17	32.26	54.00	-21.74	Average	120	75	P
4	1344.00	-7.91	47.41	39.50	74.00	-34.50	Peak	120	75	P
5	2208.00	-3.68	35.83	32.15	54.00	-21.85	Average	215	155	P
6	2208.00	-3.68	44.62	40.94	74.00	-33.06	Peak	215	155	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 7, Band 4, CH165		:

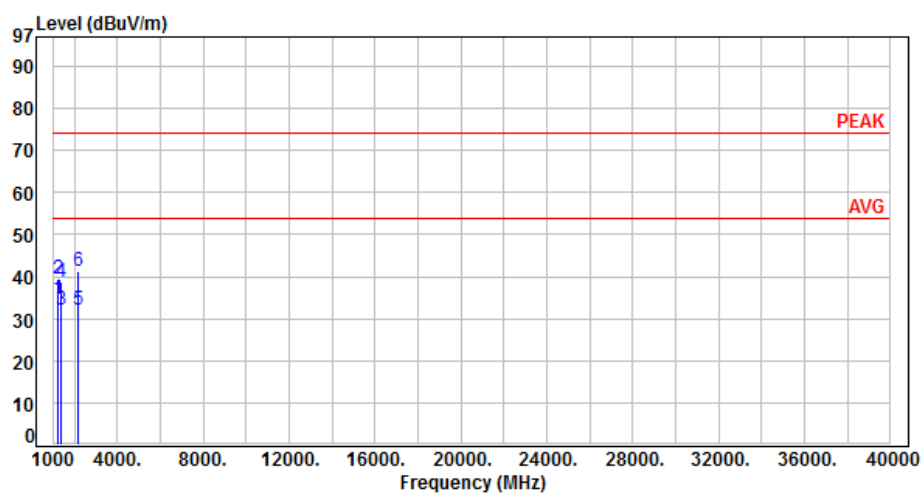


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	40.04	31.70	54.00	-22.30	Average	200	165	P
2	1248.00	-8.34	47.35	39.01	74.00	-34.99	Peak	200	165	P
3	1344.00	-7.91	38.26	30.35	54.00	-23.65	Average	150	100	P
4	1344.00	-7.91	46.03	38.12	74.00	-35.88	Peak	150	100	P
5	2208.00	-3.68	34.96	31.28	54.00	-22.72	Average	100	0	P
6	2208.00	-3.68	43.74	40.06	74.00	-33.94	Peak	100	0	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 7, Band 4, CH165		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1248.00	-8.34	42.83	34.49	54.00	-19.51	Average	100	65	P
2	1248.00	-8.34	47.74	39.40	74.00	-34.60	Peak	100	65	P
3	1344.00	-7.91	40.02	32.11	54.00	-21.89	Average	120	75	P
4	1344.00	-7.91	46.78	38.87	74.00	-35.13	Peak	120	75	P
5	2208.00	-3.68	35.93	32.25	54.00	-21.75	Average	215	155	P
6	2208.00	-3.68	44.81	41.13	74.00	-32.87	Peak	215	155	P

Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



6. On Time, Duty Cycle and Measurement methods

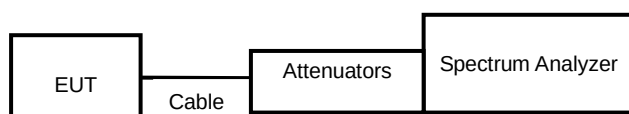
6.1. 適用標準

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

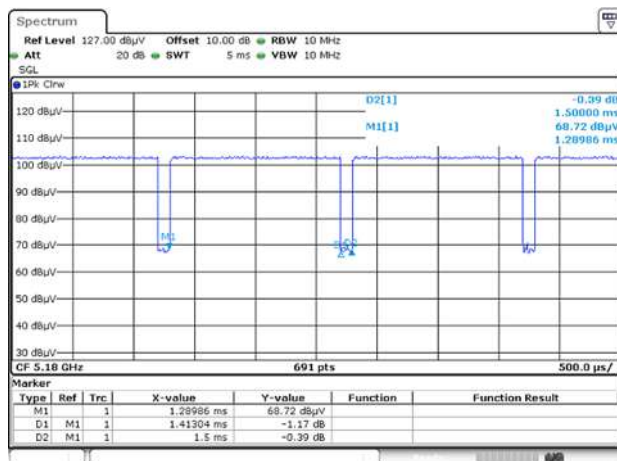
Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
802.11a,6M	1.41	1.50	94.20%
802.11n HT20	1.33	1.41	93.85%
802.11n HT40	0.66	0.75	87.67%
802.11ac VHT20	1.33	1.41	93.85%
802.11ac VHT40	0.67	0.76	87.76%
802.11ac VHT80	0.33	0.43	78.57%

6.5. Measurement Methods

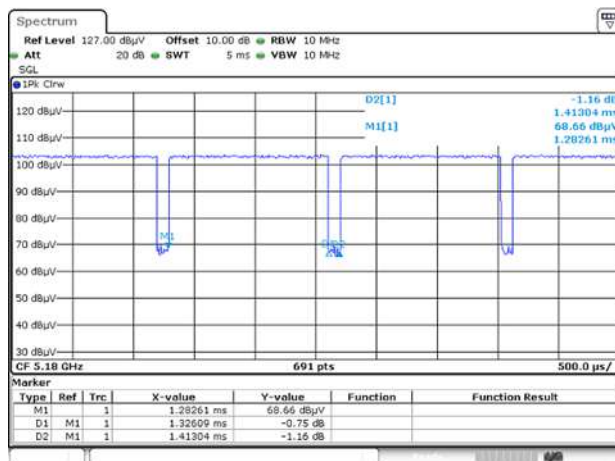
26 dB and 6dB Emission BW	KDB 789033 D02 v02r01, Section C
99% Occupied BW	KDB 789033 D02 v02r01, Section D
Conducted Output Power	KDB 789033 D02 v02r01, Section E.2.d and E.3.b (Method PM-G)
Power Spectral Density	KDB 789033 D02 v02r01, Section F
Unwanted emissions in restricted bands	KDB 789033 D02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



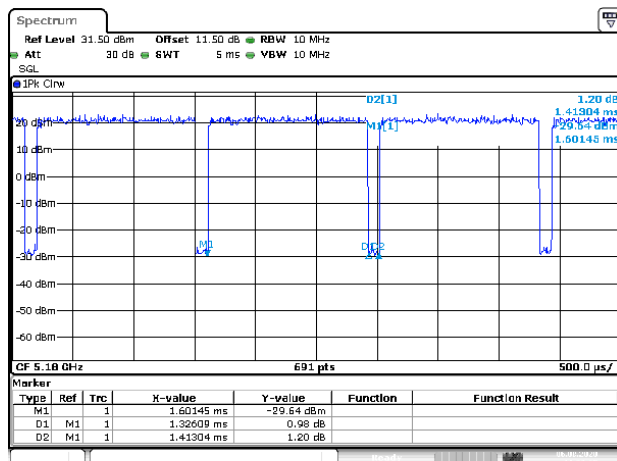
Modulation Type: 802.11a (6Mbps)



Modulation Type: 802.11ac VHT20 (6.5Mbps)

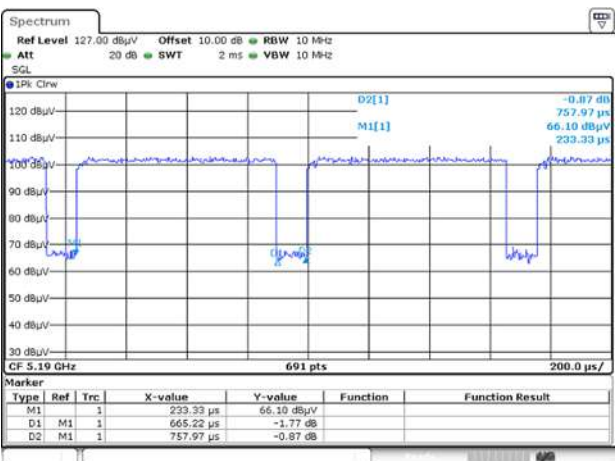


Modulation Type: 802.11n HT20 (6.5Mbps)



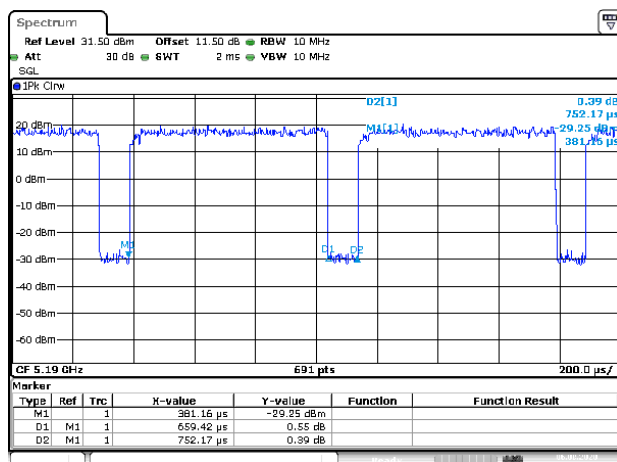
Date: 6.AUG.2020 11:20:34

Modulation Type: 802.11ac VHT40 (13.5Mbps)

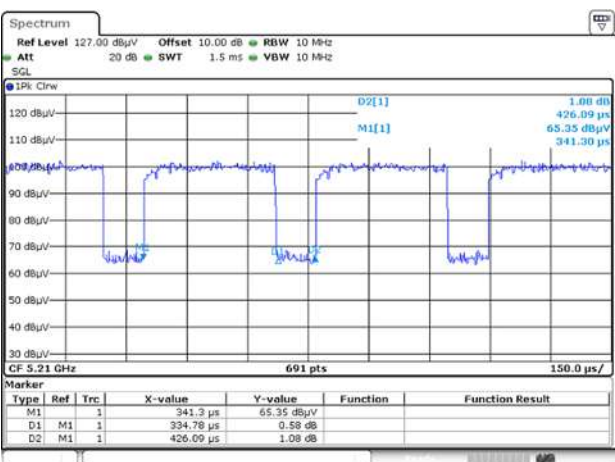


Date: 24.JUL.2020 09:32:50

Modulation Type: 802.11n HT40 (13.5Mbps)



Modulation Type: 802.11ac VHT80 (29.3Mbps)





7. 6dB & 99% Occupied 頻寬之規定

7.1. 適用標準

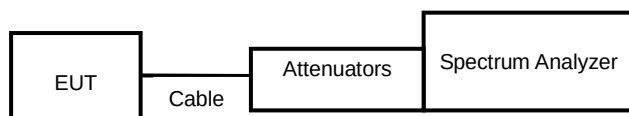
FCC §15.407

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

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)
			ANT A	
11a	149	5745	16.24	0.50
11a	157	5785	16.24	0.50
11a	165	5825	16.24	0.50
11ac VHT20	149	5745	17.37	0.50
11ac VHT20	157	5785	17.50	0.50
11ac VHT20	165	5825	17.50	0.50
11ac VHT40	151	5755	35.86	0.50
11ac VHT40	159	5795	35.69	0.50
11ac VHT80	155	5775	75.02	0.50

UNII Emission Bandwidth Result (Extends across 5725MHz band)			
Modulation Type	Data Rate / MCS	Frequency (MHz)	6dB Bandwidth(MHz)
			ANT A
11a	6 Mbps	5720	3.17
11ac VHT20	NSS1-MCS0	5720	3.53
11ac VHT40	NSS1-MCS0	5710	3.21
11ac VHT80	NSS1-MCS0	5690	3.21

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

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth (MHz)
			ANT A
11a	149	5745	17.97
11a	157	5785	18.06
11a	165	5825	18.84
11ac VHT20	149	5745	18.67
11ac VHT20	157	5785	18.67
11ac VHT20	165	5825	19.02
11ac VHT40	151	5755	37.25
11ac VHT40	159	5795	37.34
11ac VHT80	155	5775	76.06

UNII Emission Bandwidth Result (Extends across 5725MHz band)			
Modulation Type	Data Rate / MCS	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	6 Mbps	5720	4.12
11ac VHT20	NSS1-MCS0	5720	4.38
11ac VHT40	NSS1-MCS0	5710	3.76
11ac VHT80	NSS1-MCS0	5690	3.20

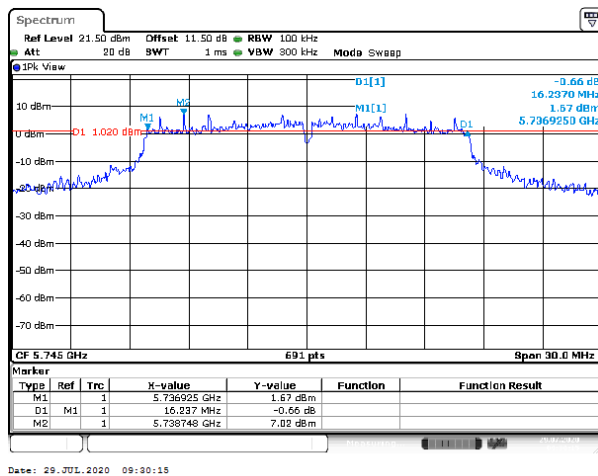
備註：繪圖資料請參考下頁。

7.6. 結果判定

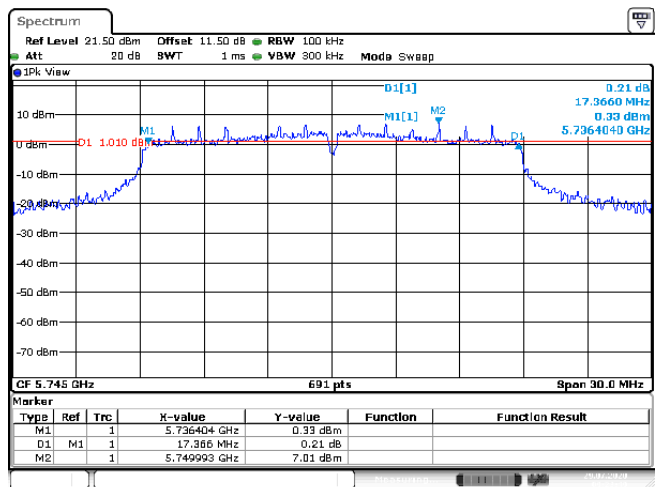
高、中、低頻段的 6dB 頻寬皆大於 500 KHz，合乎標準規定。



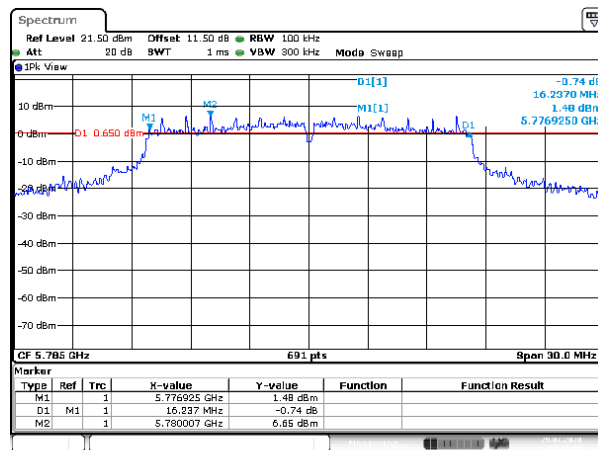
6dB Bandwidth Modulation Type: 802.11a (6Mbps) CH149



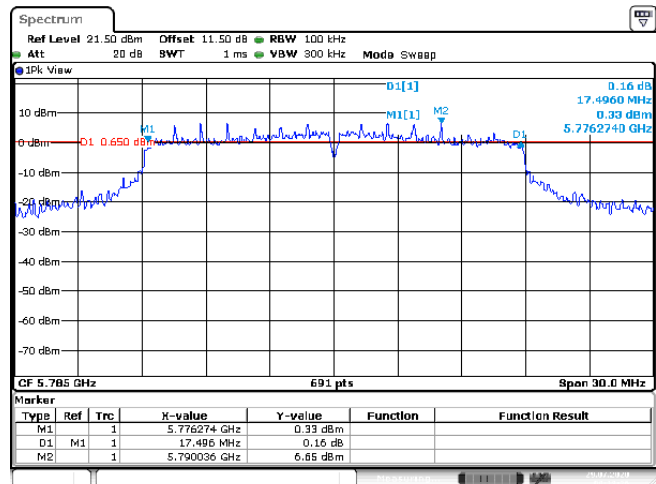
Modulation Type: 802.11ac, VHT20 (6.5Mbps) CH149



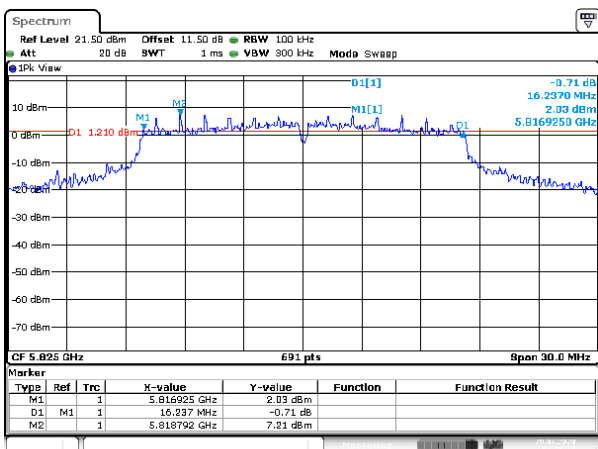
CH157



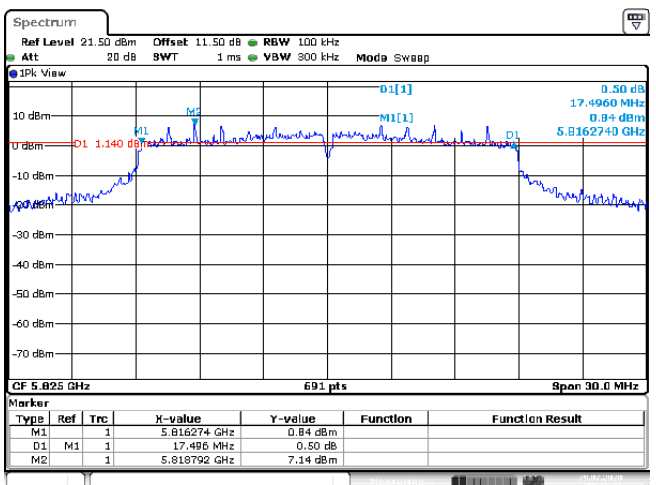
CH157



CH165

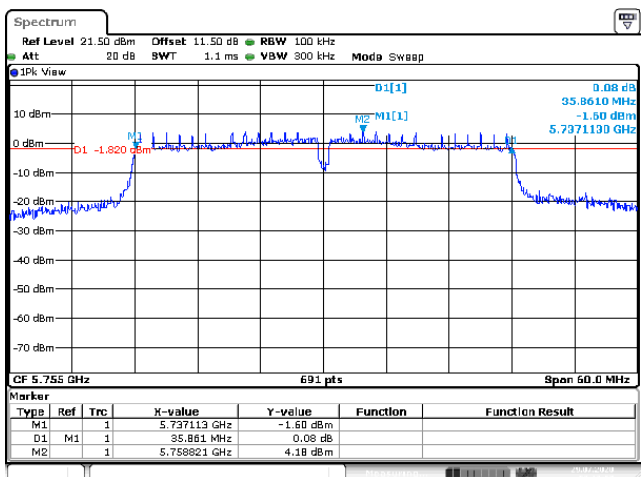
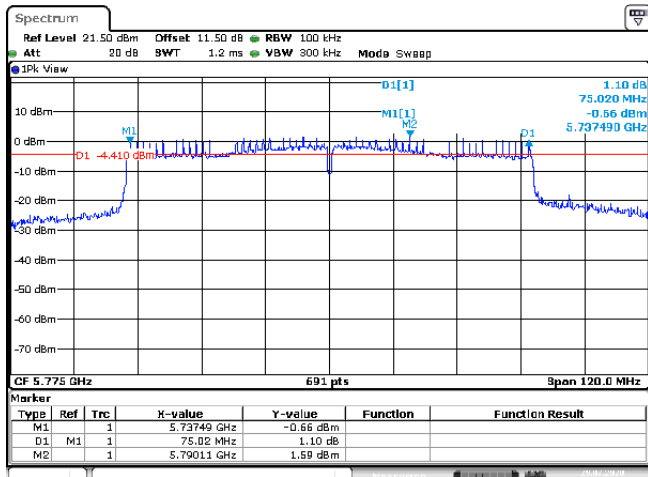


CH165

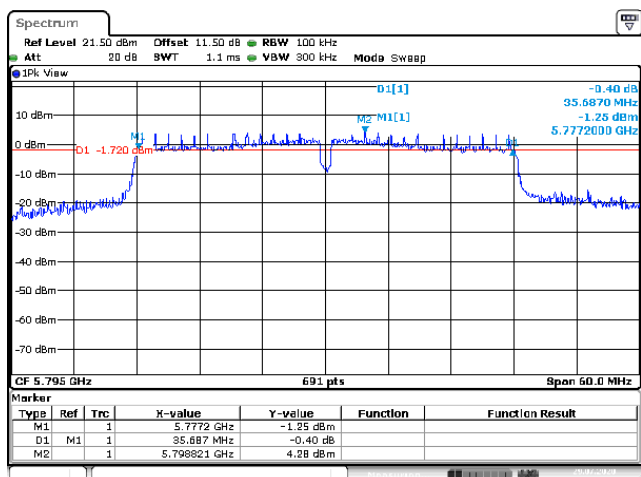




6dB Bandwidth

Modulation Type: 802.11ac, VHT40 (13.5Mbps)
CH151Modulation Type: 802.11ac, VHT80 (29.3Mbps)
CH155

CH159



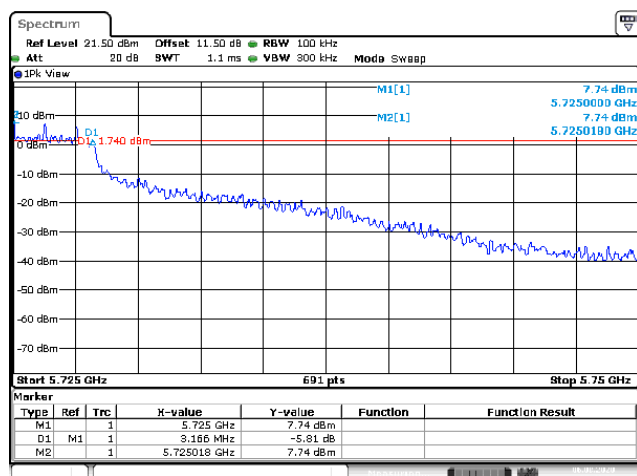


6dB Bandwidth

Extends across 5725MHz band, Straddle Channel

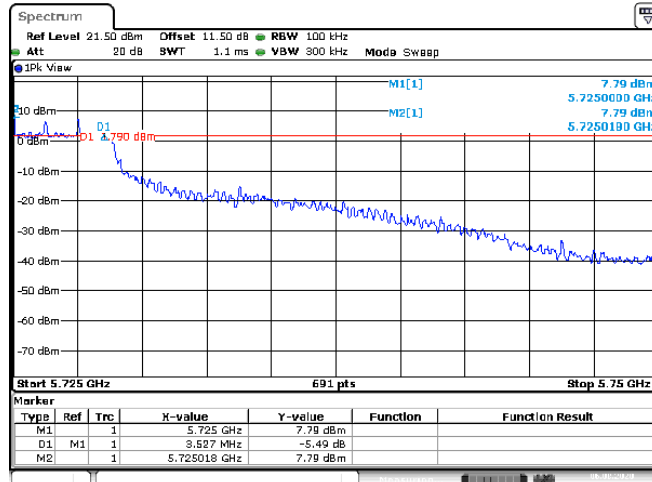
Modulation Type: 802.11a (6Mbps)

CH144



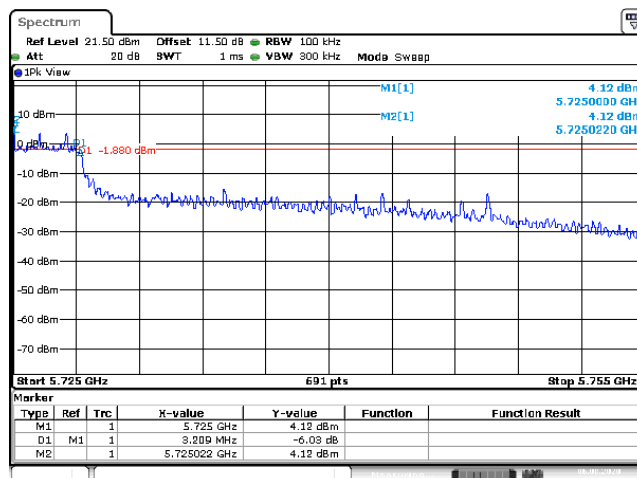
Modulation Type: 802.11ac VHT20 (6.5Mbps)

CH144



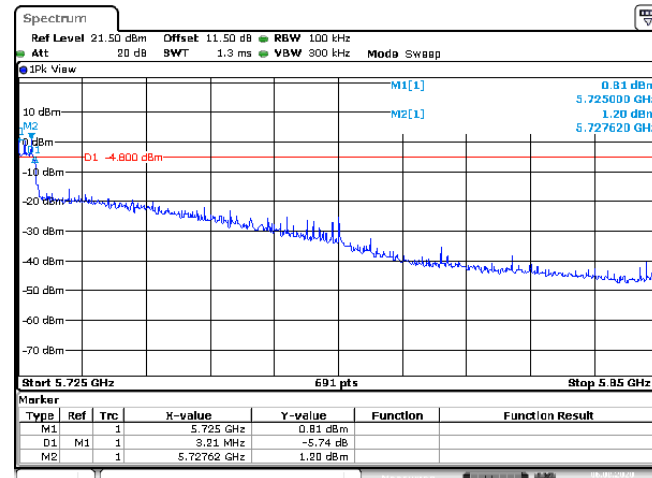
Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH142



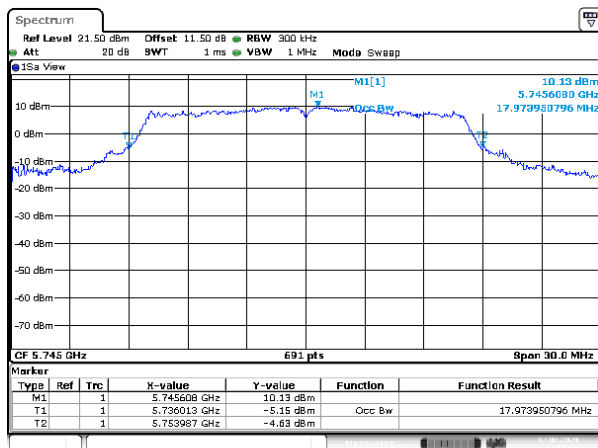
Modulation Type: 802.11ac VHT80 (29.3Mbps)

CH138

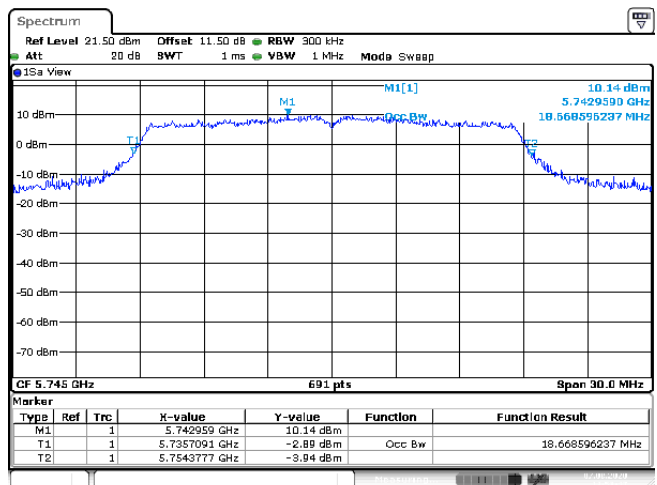




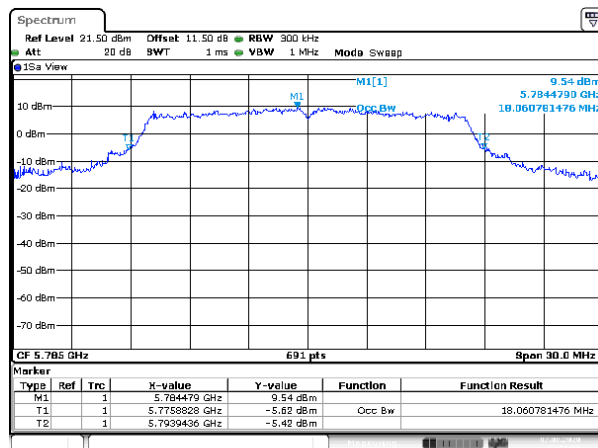
99% Occupied Bandwidth
Modulation Type: 802.11a (6Mbps)
CH149



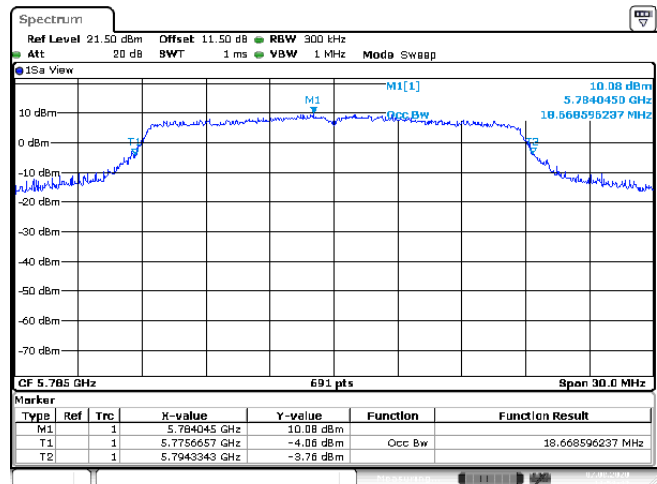
Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH149



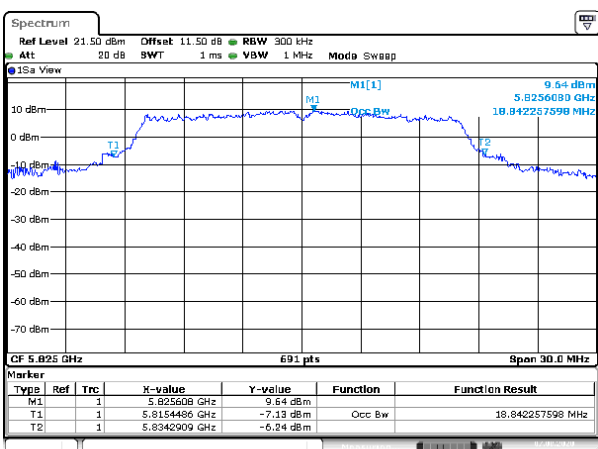
CH157



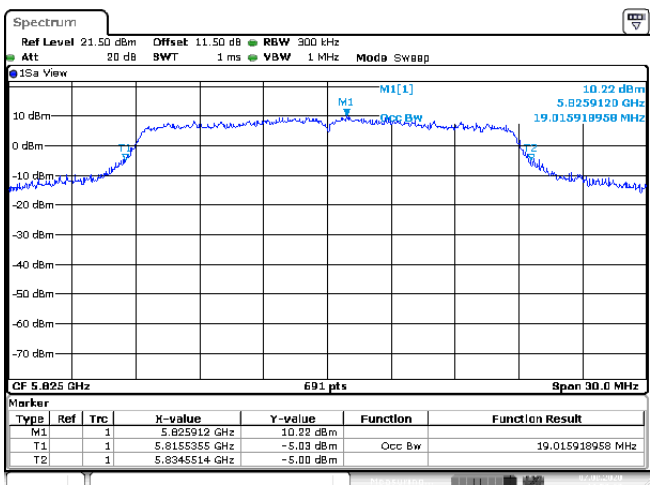
CH157



CH165

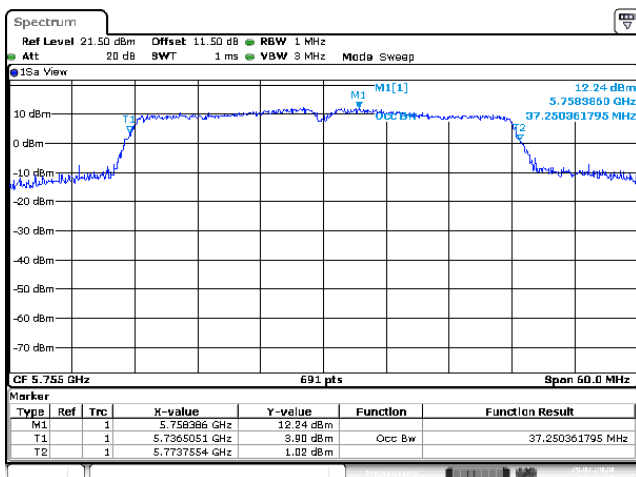


CH165

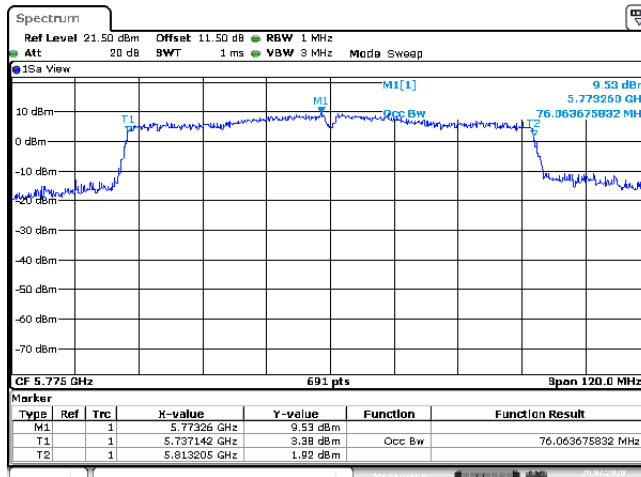




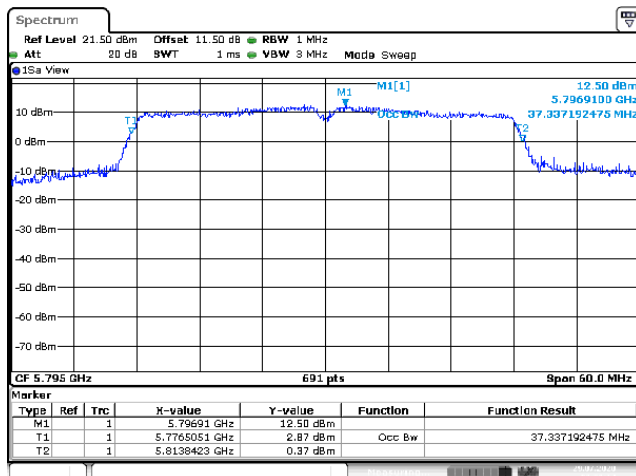
99% Occupied Bandwidth
Modulation Type: 802.11ac, VHT40 (13.5Mbps)
CH151



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



CH159



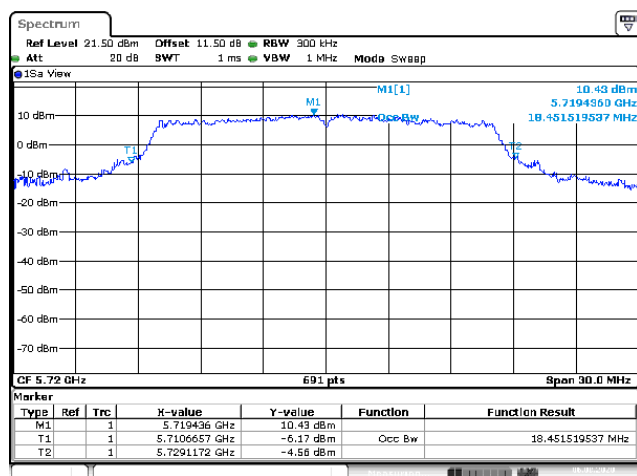


99% Bandwidth

Straddle Channel ,Extends across 5725MHz band 99% Bandwidth = T2 Point(MHz)-5725MHz

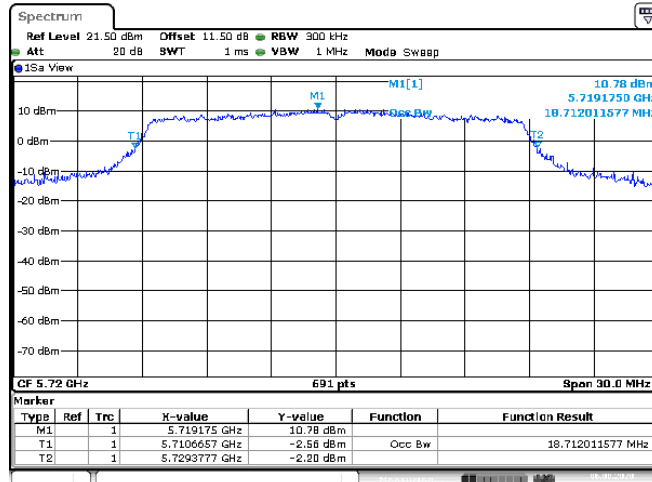
Modulation Type: 802.11a (6Mbps)

CH144



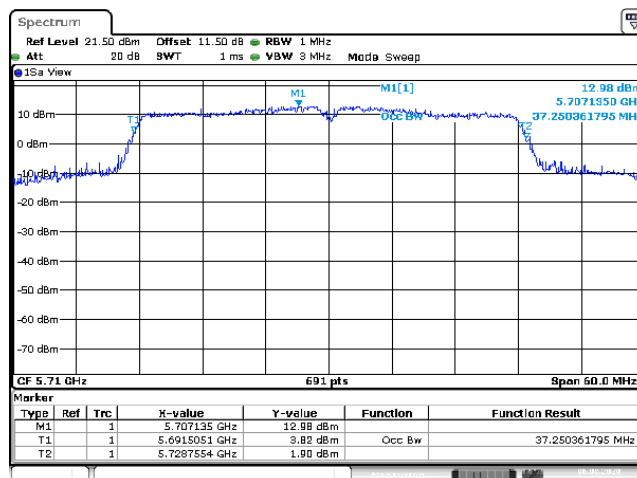
Modulation Type: 802.11ac VHT20 (6.5Mbps)

CH144



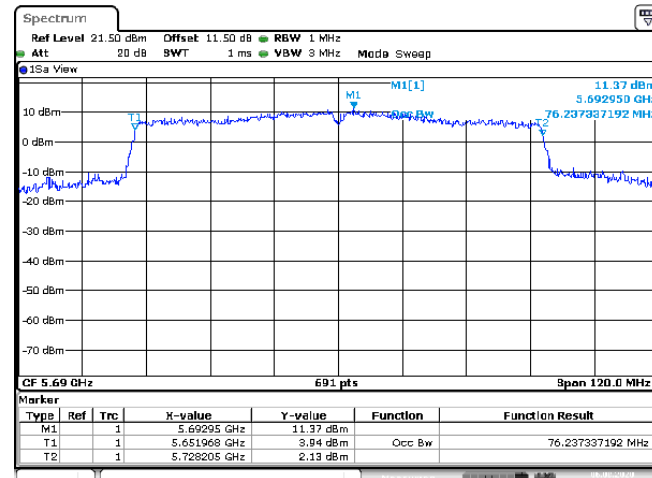
Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH142



Modulation Type: 802.11ac VHT80 (29.3Mbps)

CH138





8. 26dB & 99% Occupied 頻寬之規定

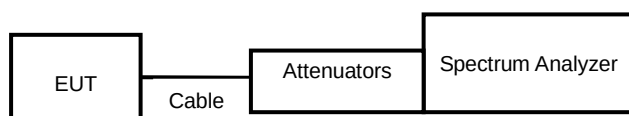
8.1. 適用標準

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

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT A
11a	36	5180	21.49
11a	40	5200	23.58
11a	48	5240	22.23
11ac VHT20	36	5180	21.88
11ac VHT20	40	5200	24.44
11ac VHT20	48	5240	23.71
11ac VHT40	38	5190	42.72
11ac VHT40	46	5230	58.03
11ac VHT80	42	5210	81.45

In the 5.3G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT A
11a	52	5260	22.06
11a	60	5300	23.97
11a	64	5320	24.92
11ac VHT20	52	5260	23.49
11ac VHT20	60	5300	23.10
11ac VHT20	64	5320	24.18
11ac VHT40	54	5270	62.23
11ac VHT40	62	5310	41.07
11ac VHT80	58	5290	81.79

In the 5.5G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT A
11a	100	5500	21.71
11a	120	5600	36.54
11a	140	5700	24.40
11ac VHT20	100	5500	21.88
11ac VHT20	120	5600	33.65
11ac VHT20	140	5700	22.66
11ac VHT40	102	5510	41.16
11ac VHT40	118	5590	56.53
11ac VHT40	134	5670	63.53
11ac VHT80	106	5530	82.14
11ac VHT80	122	5610	128.97



UNII Emission Bandwidth Result (Within 5470-5725MHz band)			
Modulation Type	Data Rate / MCS	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT A
11a	6 Mbps	5720	21.65
11ac VHT20	NSS1-MCS0	5720	21.53
11ac VHT40	NSS1-MCS0	5710	49.79
11ac VHT80	NSS1-MCS0	5690	106.25

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

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	36	5180	16.93
11a	40	5200	17.15
11a	48	5240	17.15
11ac VHT20	36	5180	18.10
11ac VHT20	40	5200	18.28
11ac VHT20	48	5240	18.23
11ac VHT40	38	5190	36.56
11ac VHT40	46	5230	36.82
11ac VHT80	42	5210	75.37

In the 5.3G Band

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	52	5260	17.02
11a	60	5300	17.37
11a	64	5320	17.24
11ac VHT20	52	5260	18.10
11ac VHT20	60	5300	18.06
11ac VHT20	64	5320	18.23
11ac VHT40	54	5270	37.08
11ac VHT40	62	5310	36.47
11ac VHT80	58	5290	75.54

In the 5.5G Band

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	100	5500	16.89
11a	120	5600	18.67
11a	140	5700	17.11
11ac VHT20	100	5500	18.06
11ac VHT20	120	5600	18.54
11ac VHT20	140	5700	18.06
11ac VHT40	102	5510	36.56
11ac VHT40	118	5590	36.99
11ac VHT40	134	5670	37.16
11ac VHT80	106	5530	75.54
11ac VHT80	122	5610	76.06

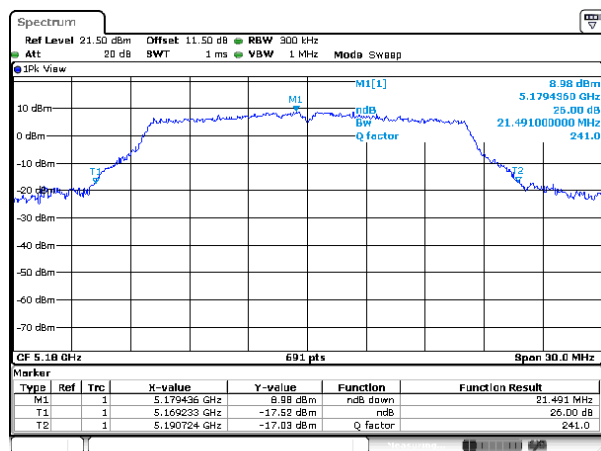


UNII Emission Bandwidth Result (Within 5470-5725MHz band)			
Modulation Type	Data Rate / MCS	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	6 Mbps	5720	14.33
11ac VHT20	NSS1-MCS0	5720	14.33
11ac VHT40	NSS1-MCS0	5710	33.49
11ac VHT80	NSS1-MCS0	5690	73.03

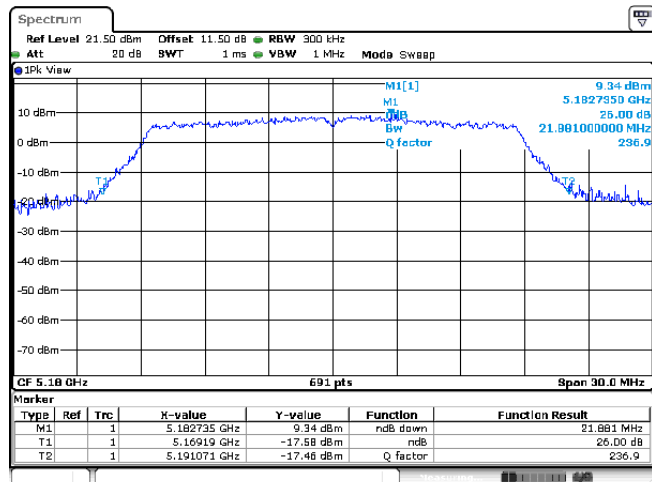
備註：繪圖資料請參考下頁。



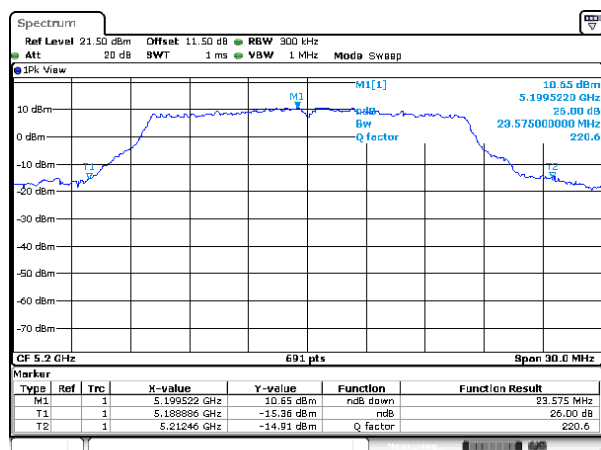
26dB Bandwidth, Band 1
Modulation Type: 802.11a (6Mbps)
CH36



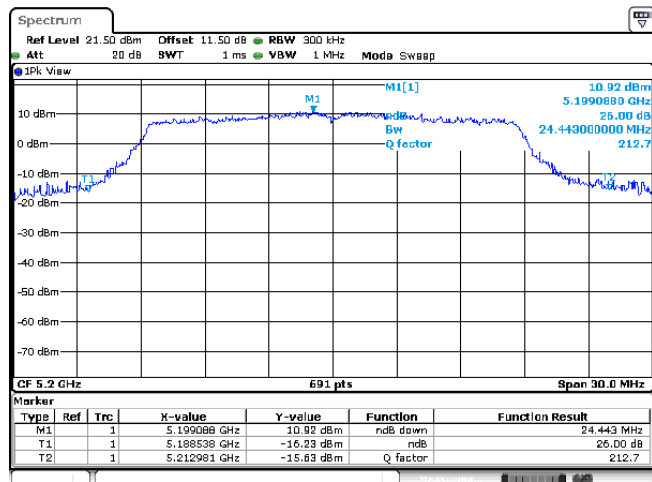
Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH36



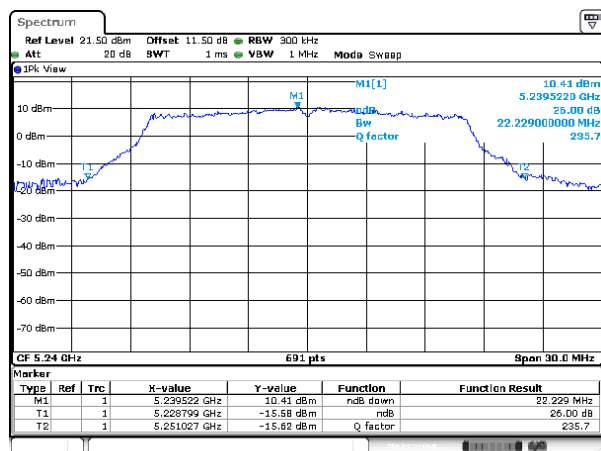
CH40



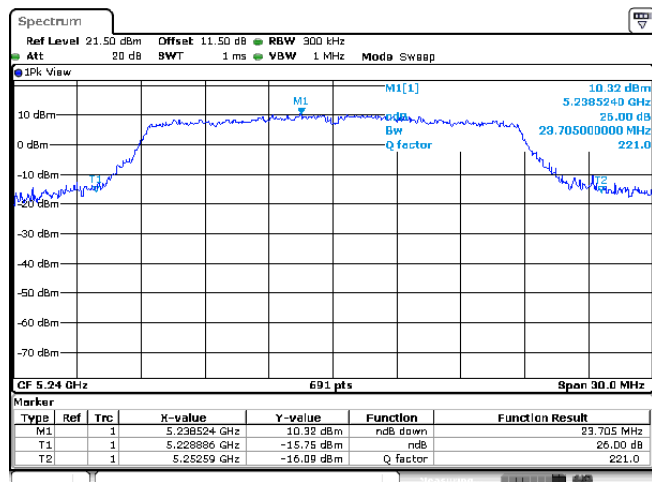
CH40



CH48



CH48

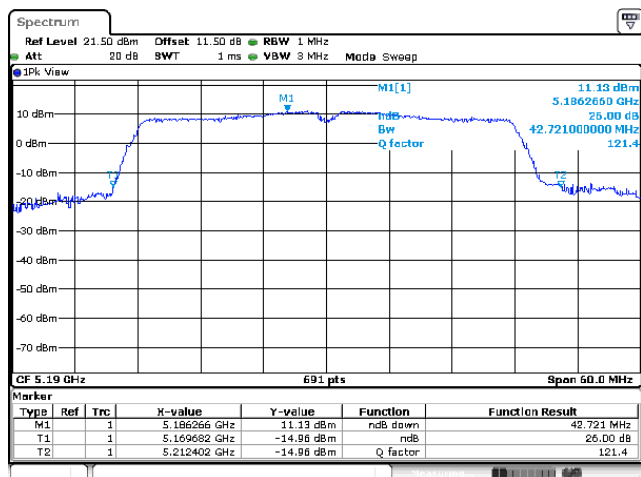


26dB Bandwidth, Band 1



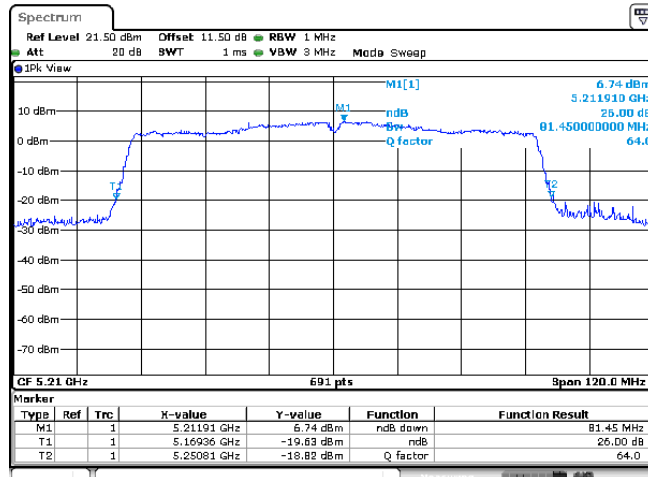
Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH38

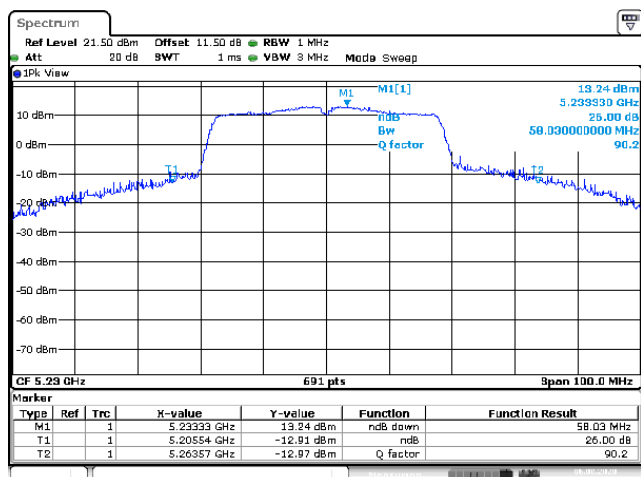


Modulation Type: 802.11ac VHT80 (29.3Mbps)

CH42

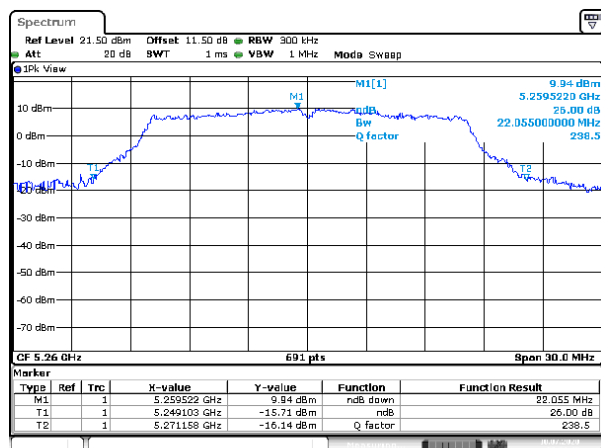


CH46

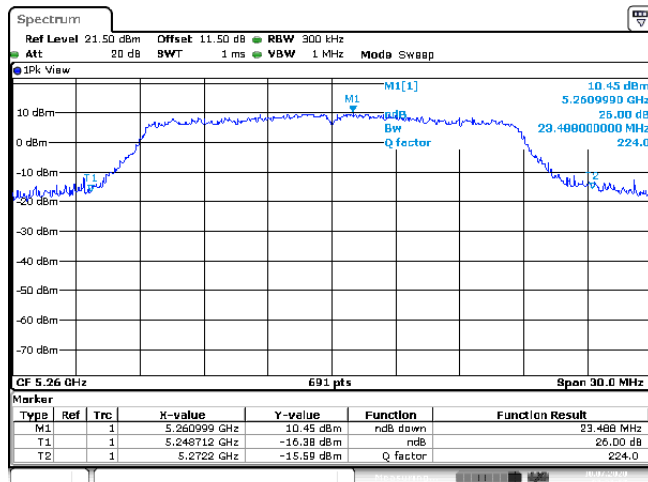




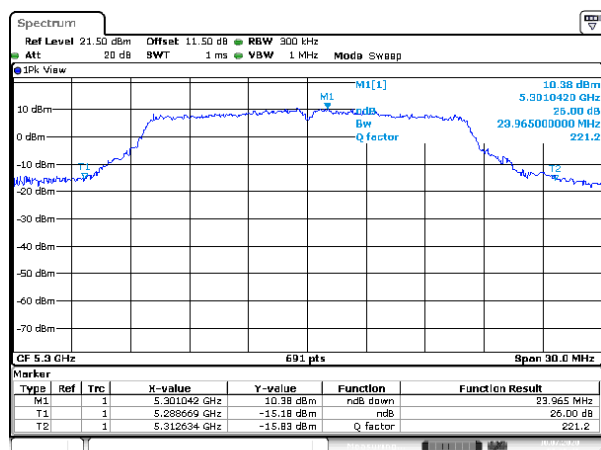
26dB Bandwidth, Band 2
Modulation Type: 802.11a (6Mbps)
CH52



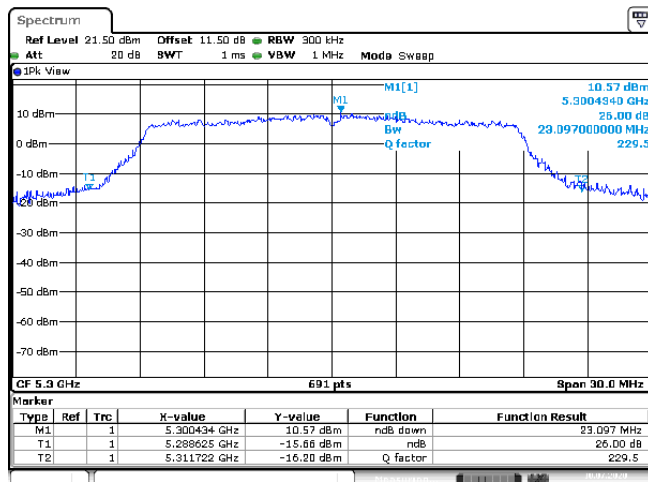
Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH52



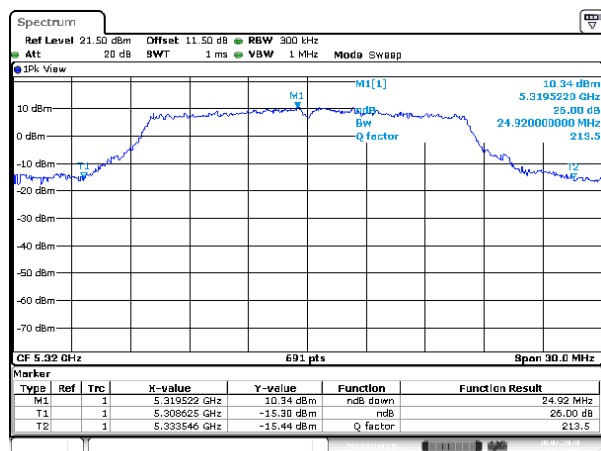
CH60



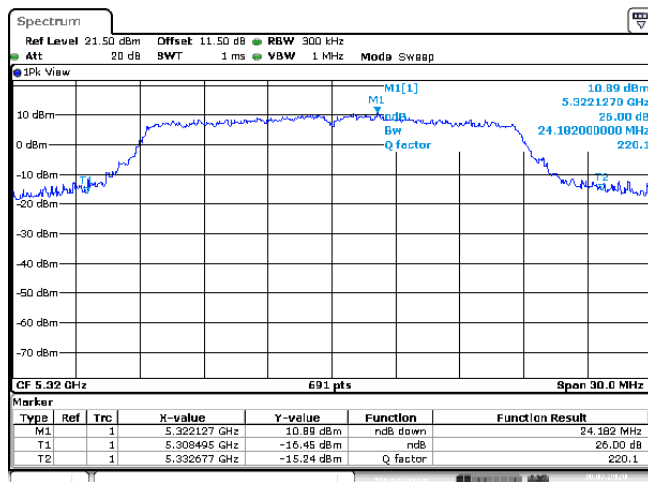
CH60



CH64



CH64

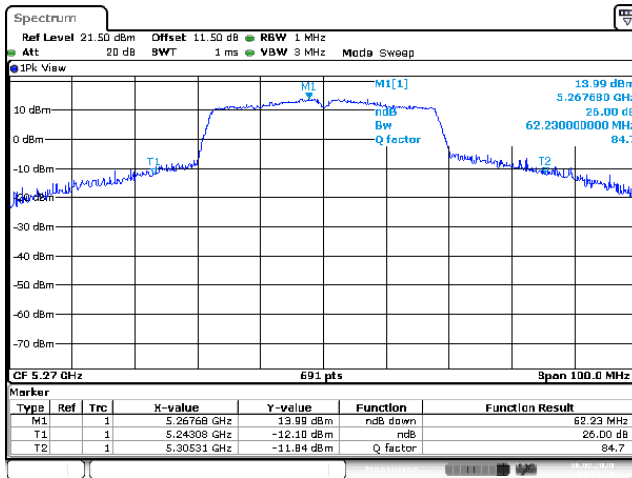


26dB Bandwidth, Band 2



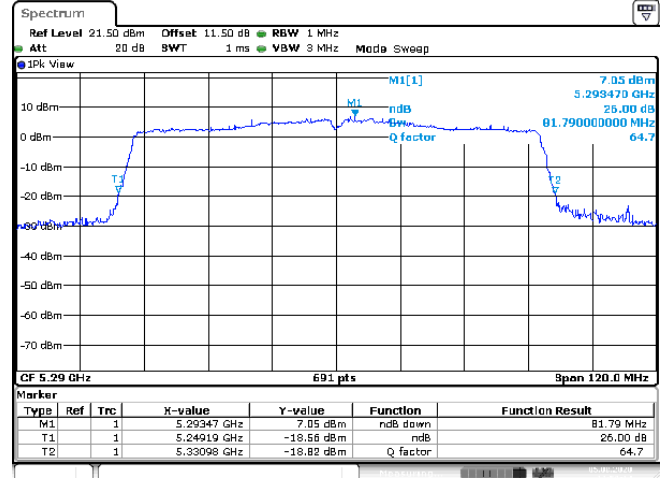
Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH54

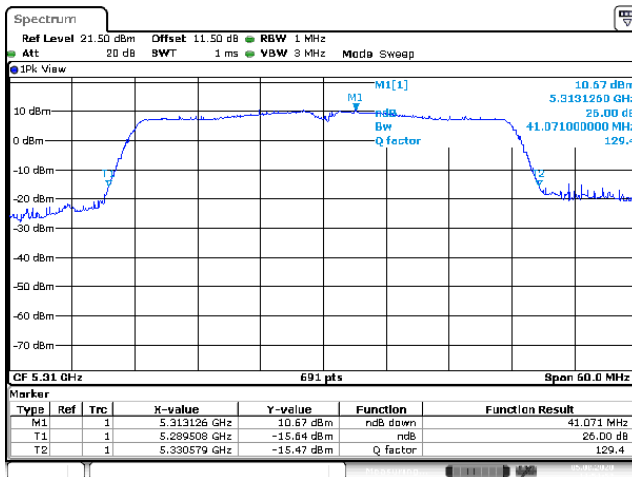


Modulation Type: 802.11ac VHT80 (29.3Mbps)

CH58



CH62

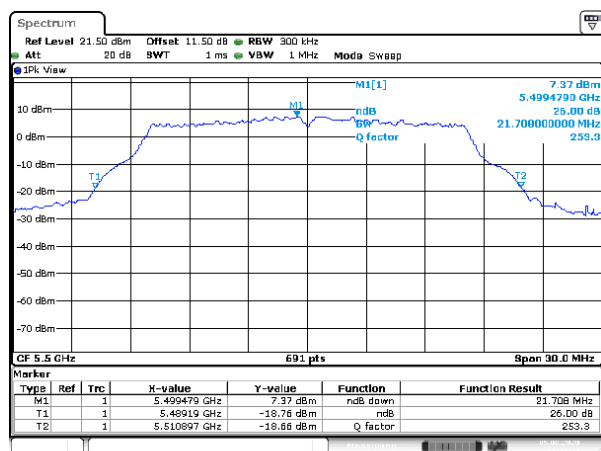




26dB Bandwidth, Band 3

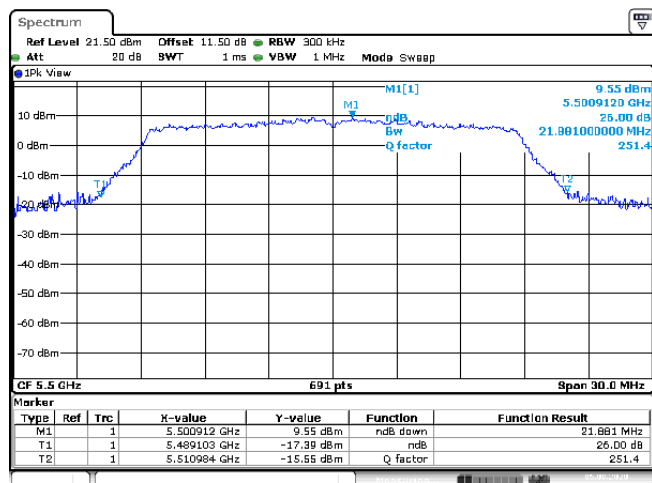
Modulation Type: 802.11a (6Mbps)

CH100

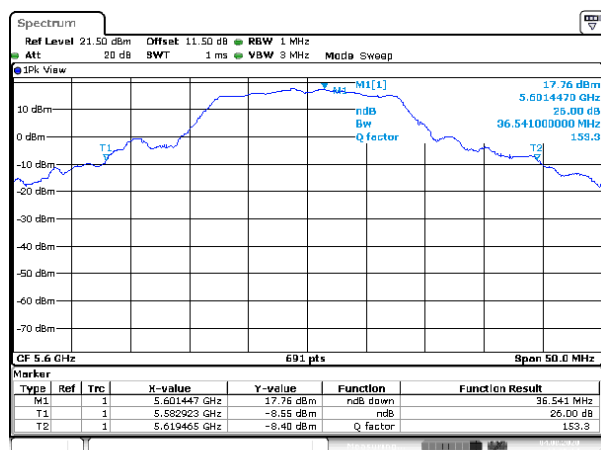


Modulation Type: 802.11ac VHT20 (6.5Mbps)

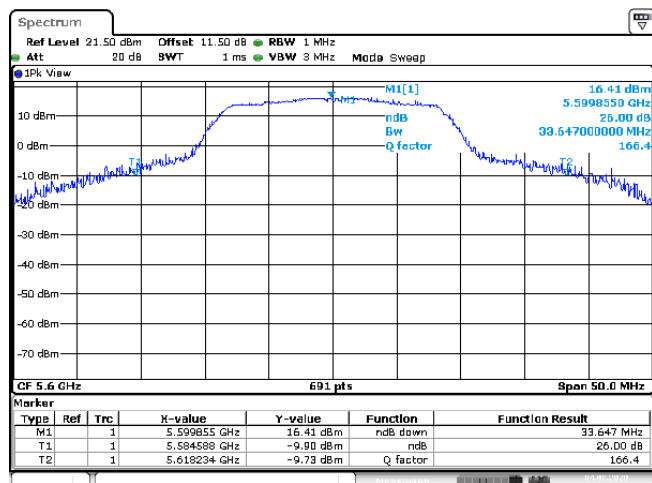
CH100



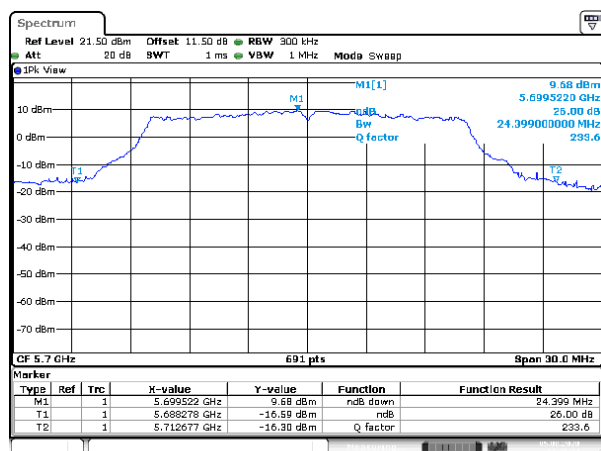
CH120



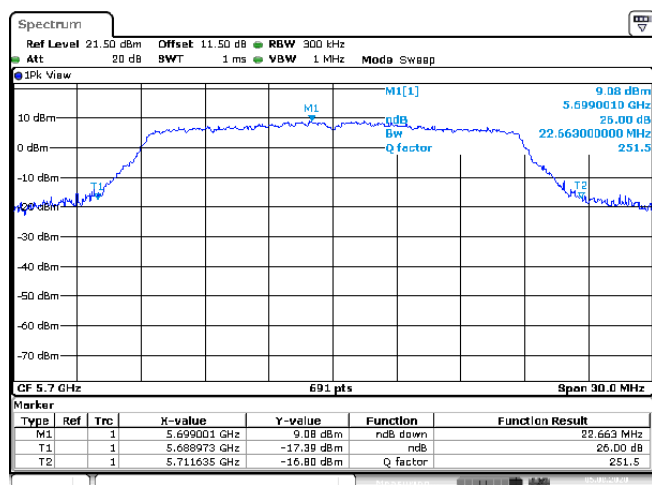
CH120



CH140



CH140

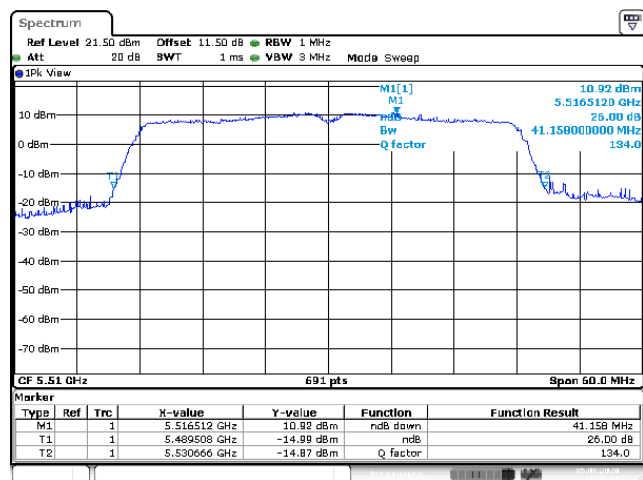




26dB Bandwidth, Band 3

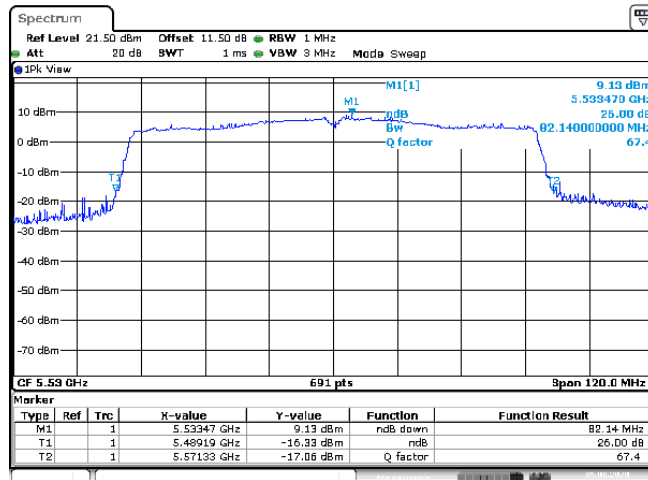
Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH102

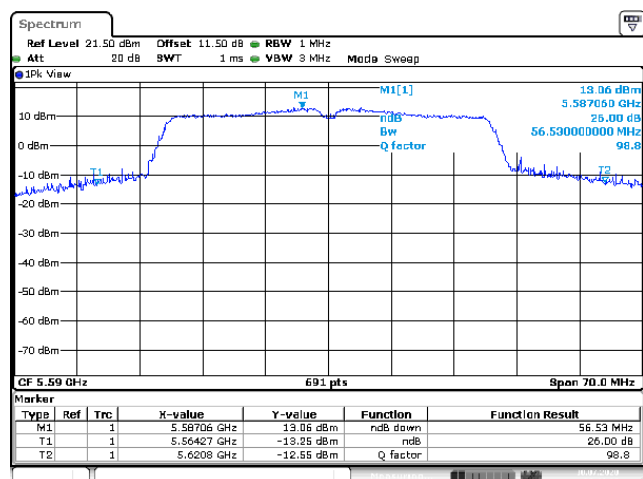


Modulation Type: 802.11ac VHT80 (29.3Mbps)

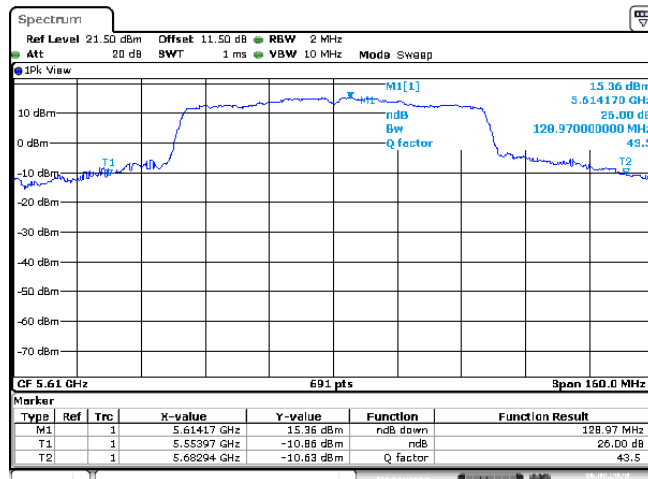
CH106



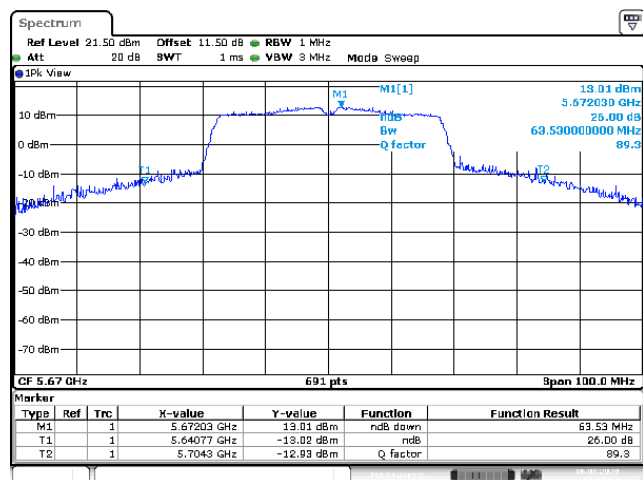
CH118



CH122



CH134



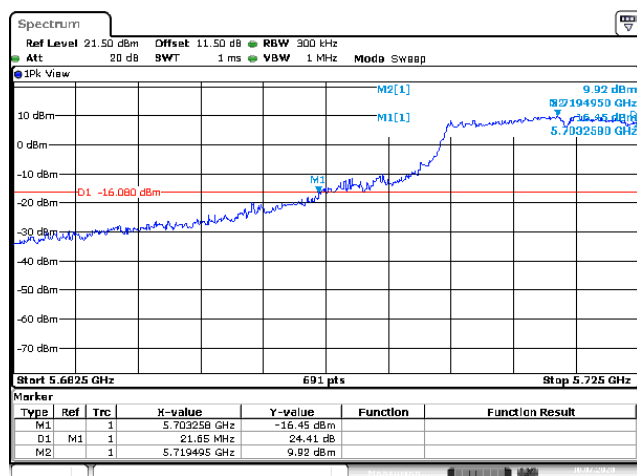


26dB Bandwidth

Within 5470-5725MHz Band, Straddle Channel

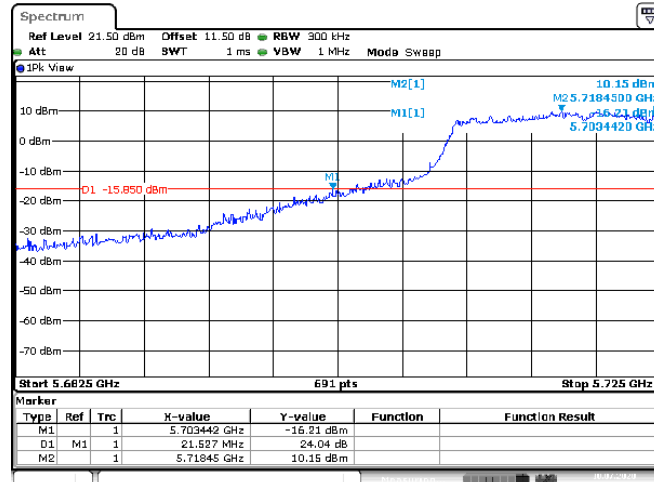
Modulation Type: 802.11a (6Mbps)

CH144



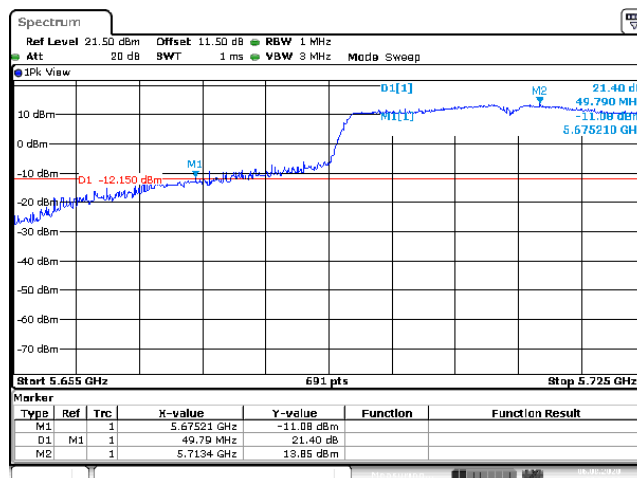
Modulation Type: 802.11ac VHT20 (6.5Mbps)

CH144



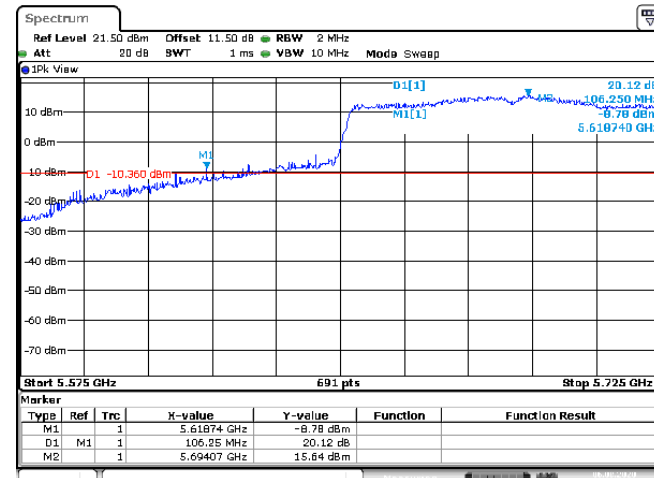
Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH142



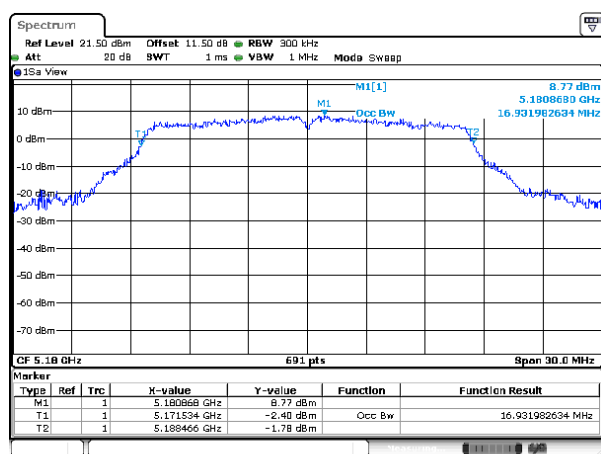
Modulation Type: 802.11ac VHT80 (29.3Mbps)

CH138

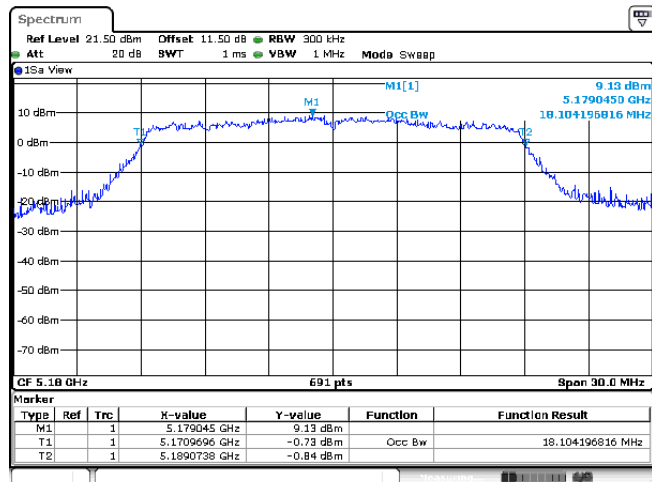




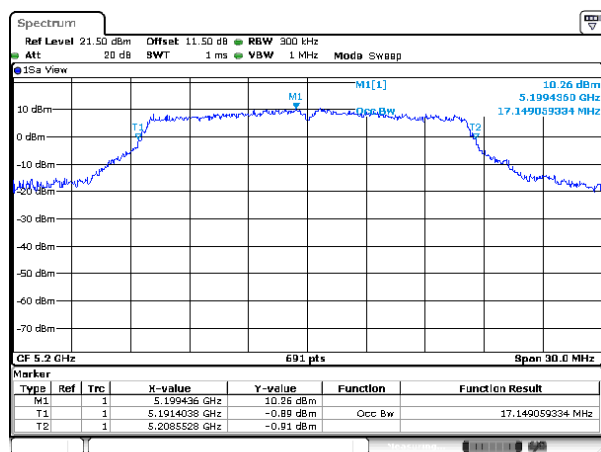
99% Bandwidth, Band 1
Modulation Type: 802.11a (6Mbps)
CH36



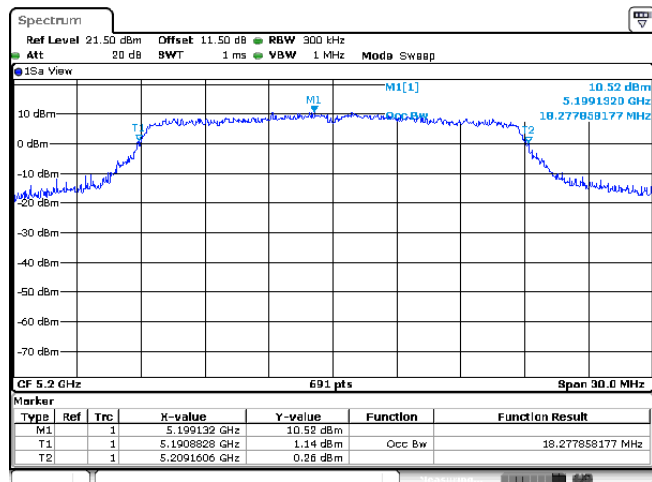
Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH36



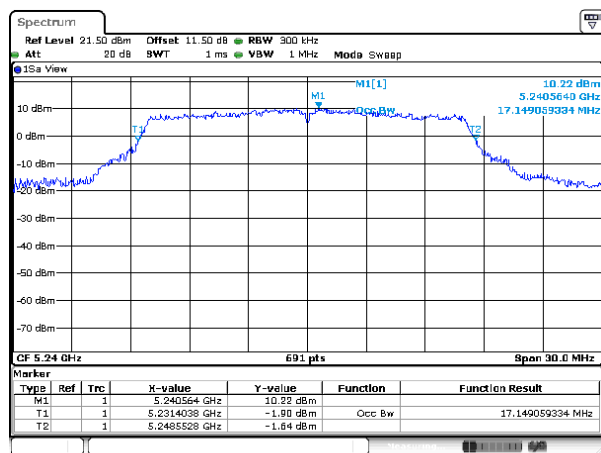
CH40



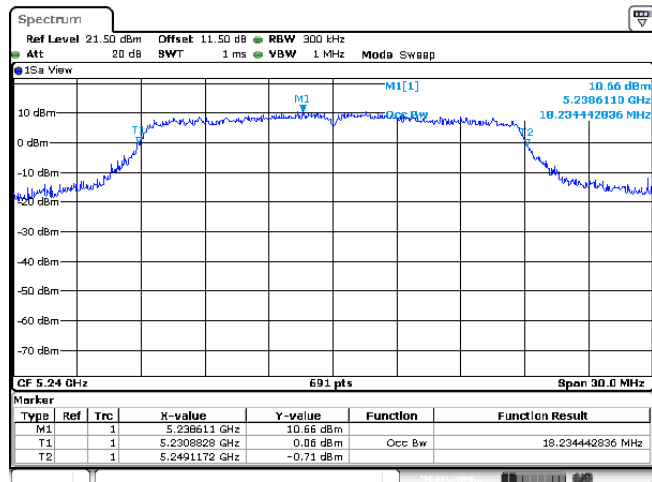
CH40



CH48



CH48

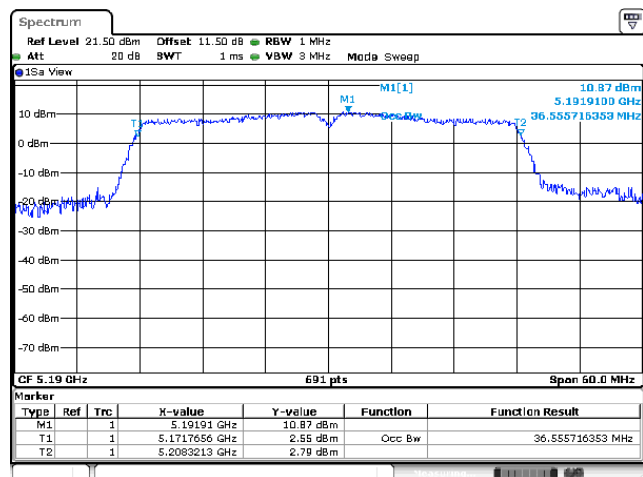


99% Bandwidth, Band 1



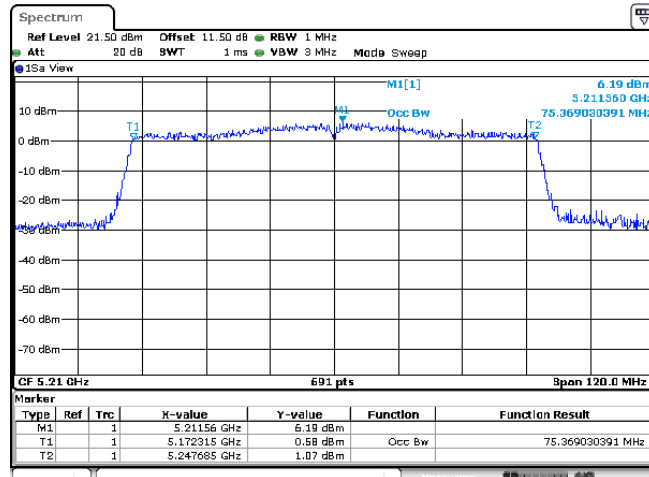
Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH38

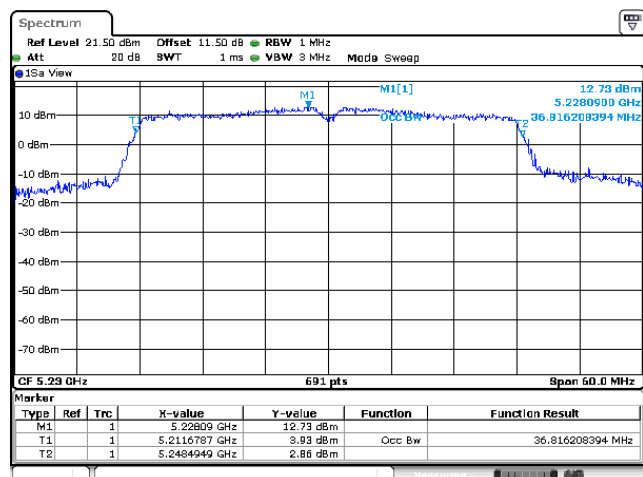


Modulation Type: 802.11ac VHT80 (29.3Mbps)

CH42

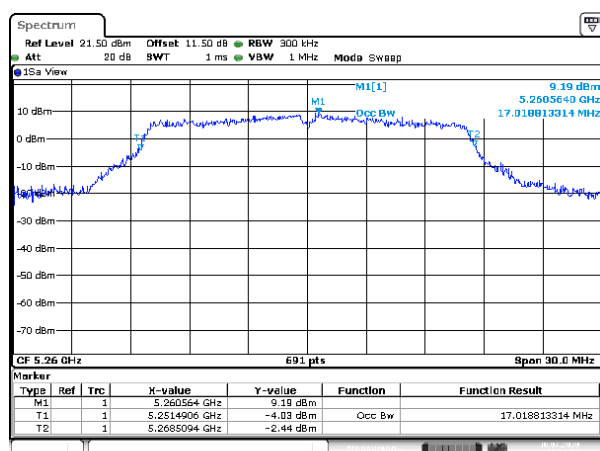


CH46

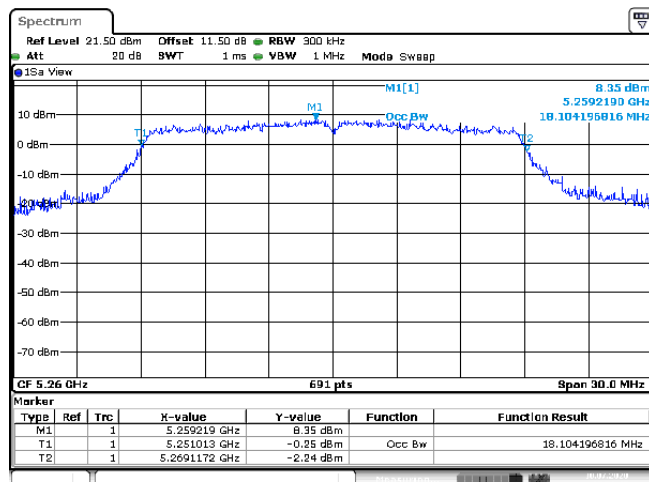




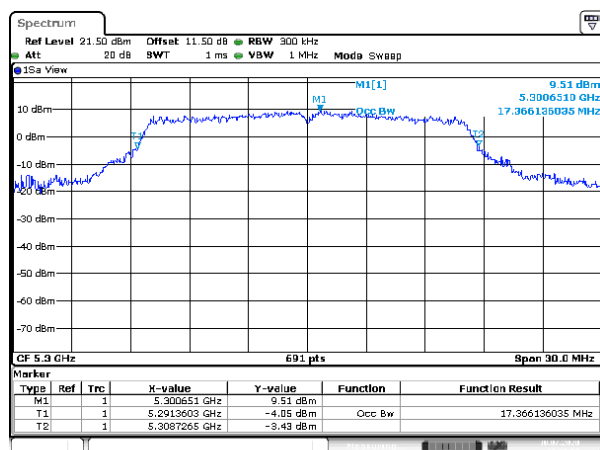
99% Bandwidth, Band 2
Modulation Type: 802.11a (6Mbps)
CH52



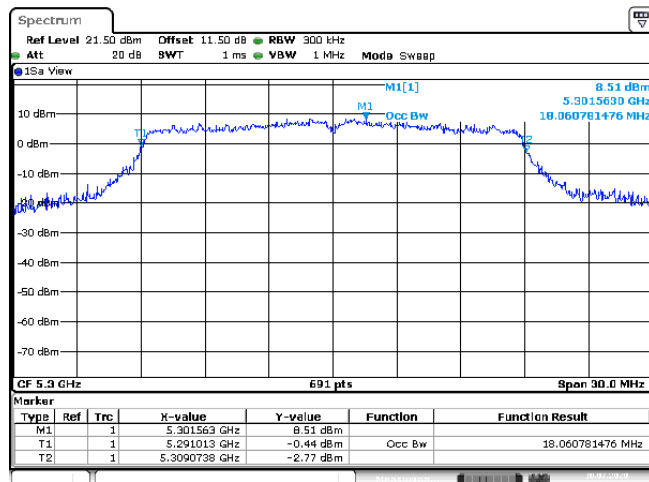
Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH52



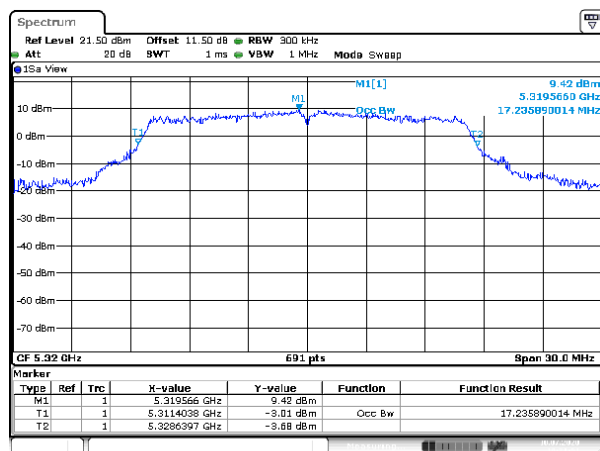
CH60



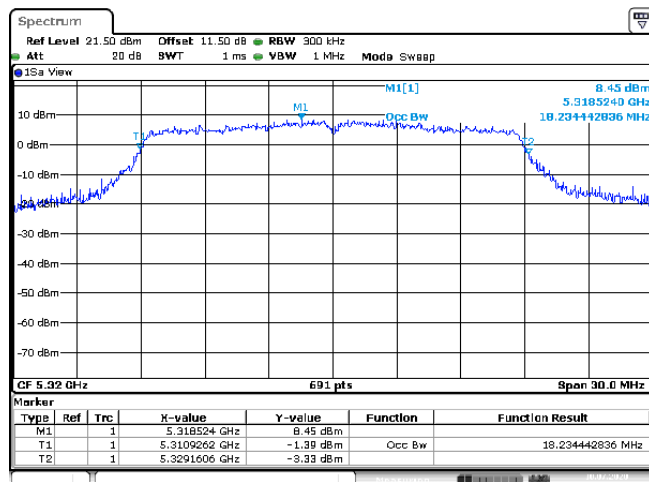
CH60



CH64



CH64

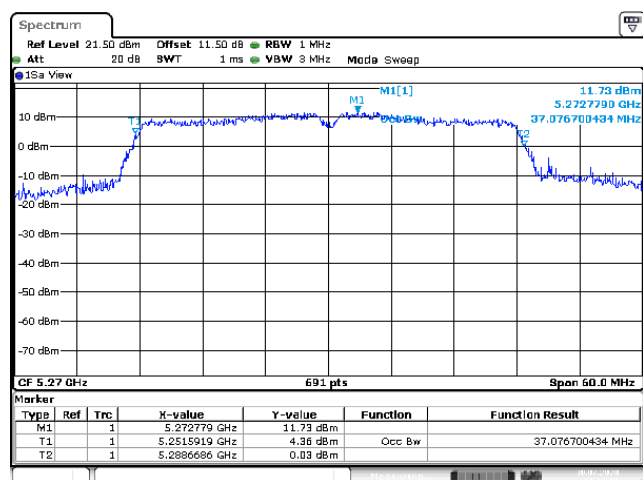


99% Bandwidth, Band 2



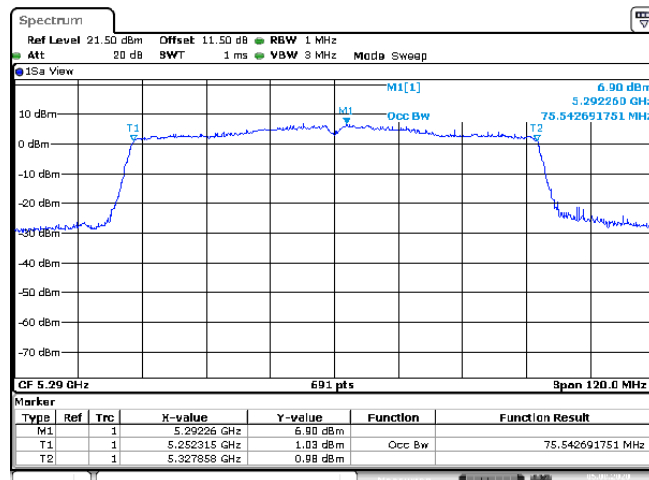
Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH54

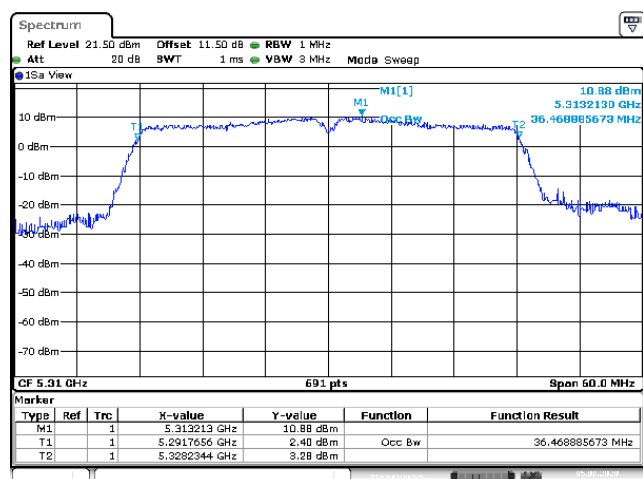


Modulation Type: 802.11ac VHT80 (29.3Mbps)

CH58



CH62

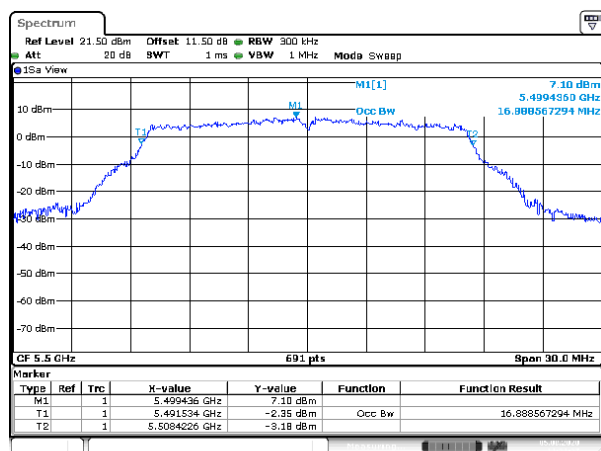




99% Bandwidth, Band 3

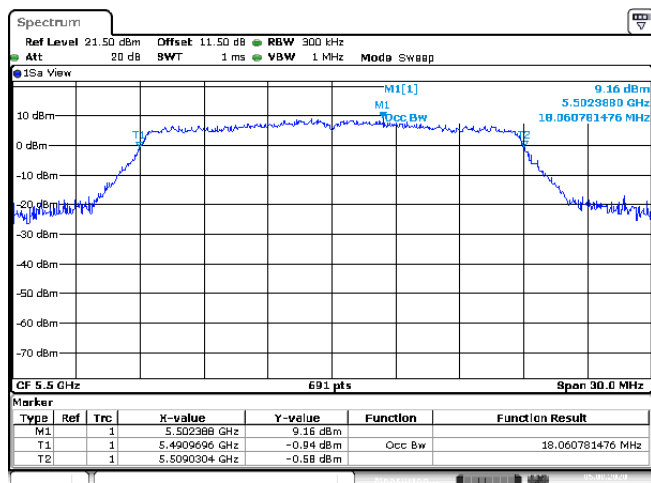
Modulation Type: 802.11a (6Mbps)

CH100

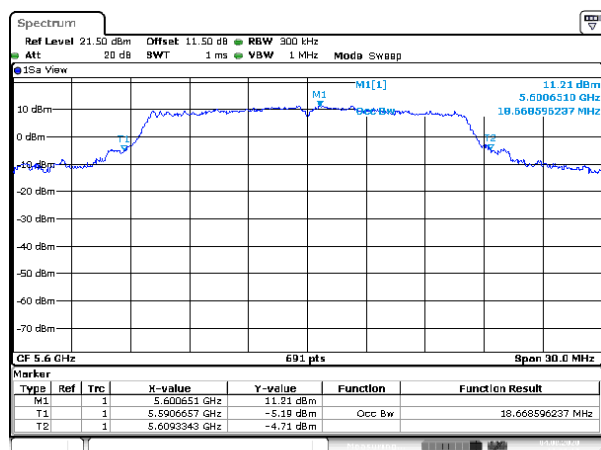


Modulation Type: 802.11ac VHT20 (6.5Mbps)

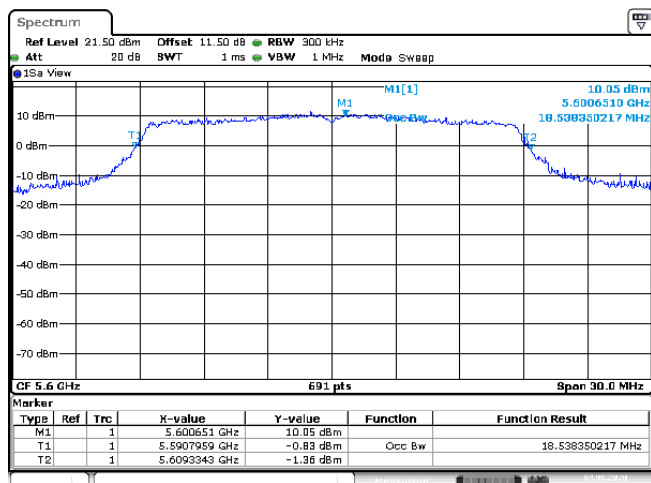
CH100



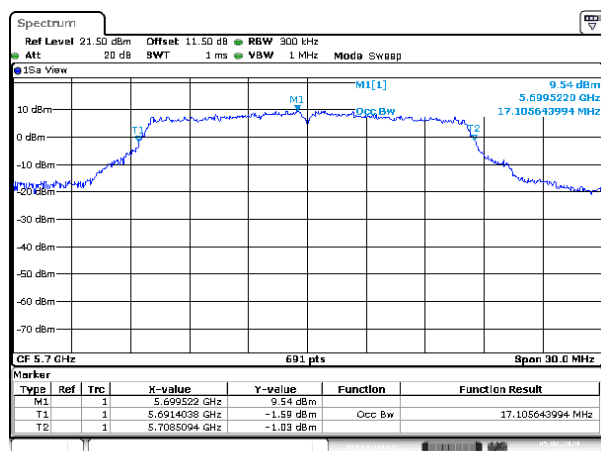
CH120



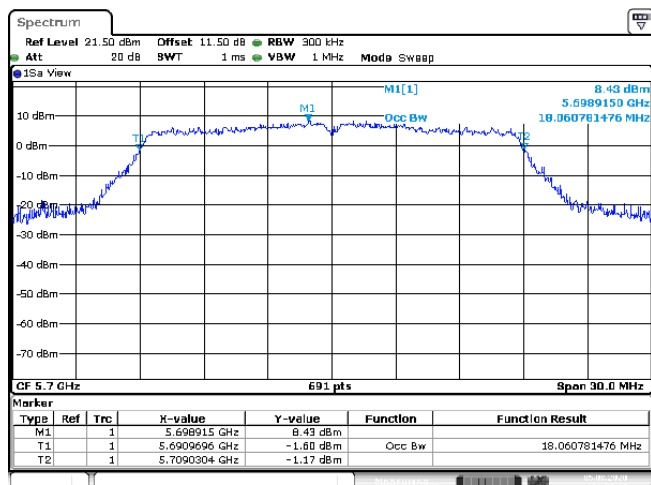
CH120



CH140



CH140

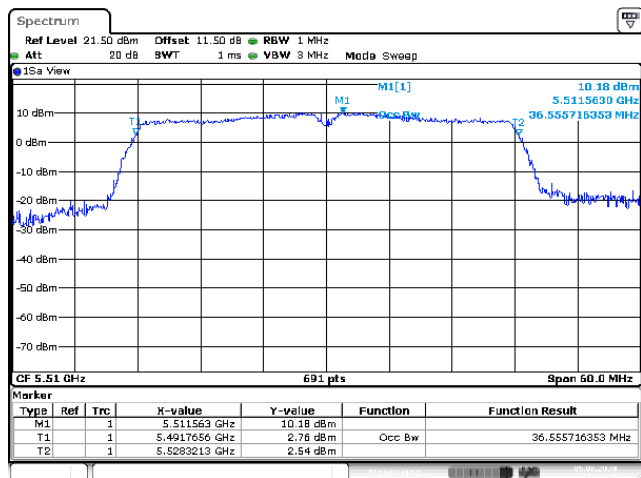




99% Bandwidth, Band 3

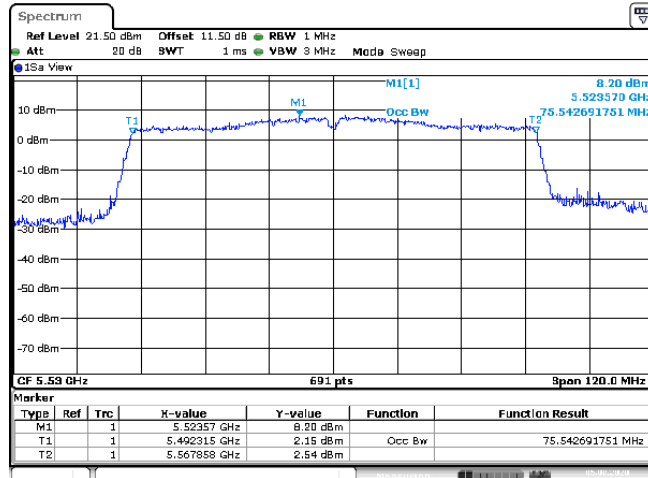
Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH102

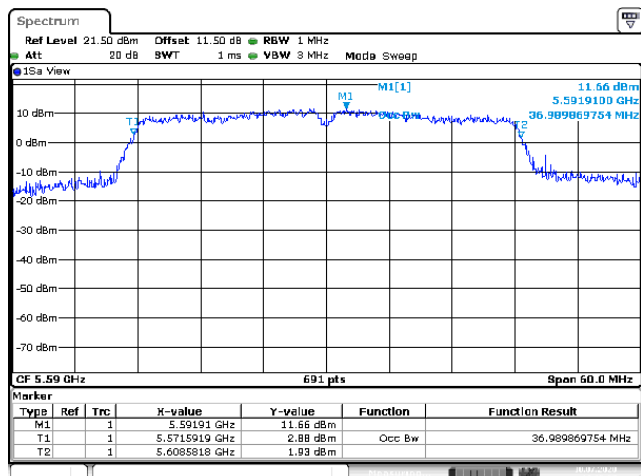


Modulation Type: 802.11ac VHT80 (29.3Mbps)

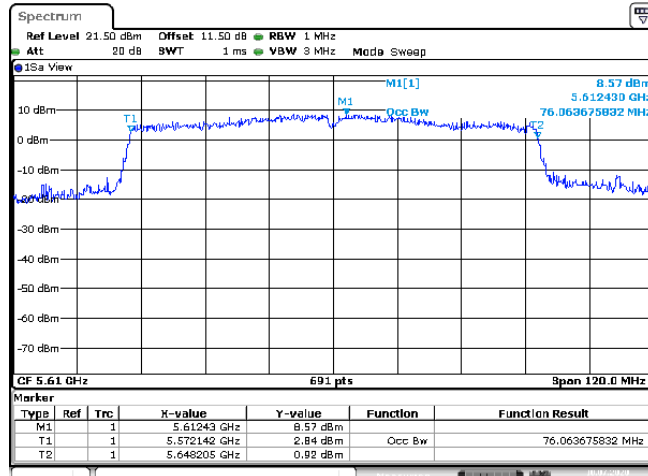
CH106



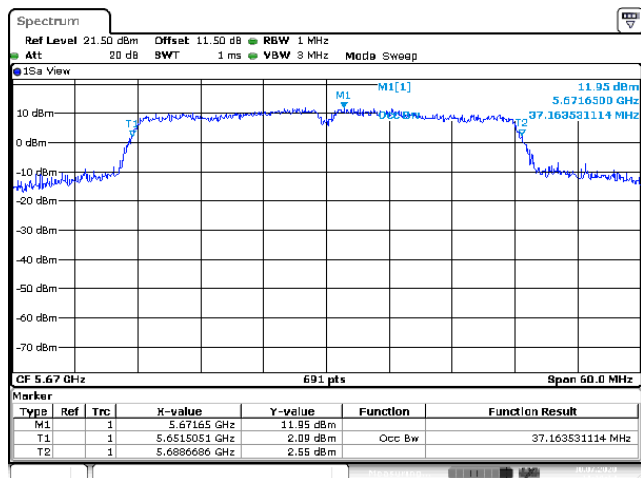
CH118



CH122



CH134



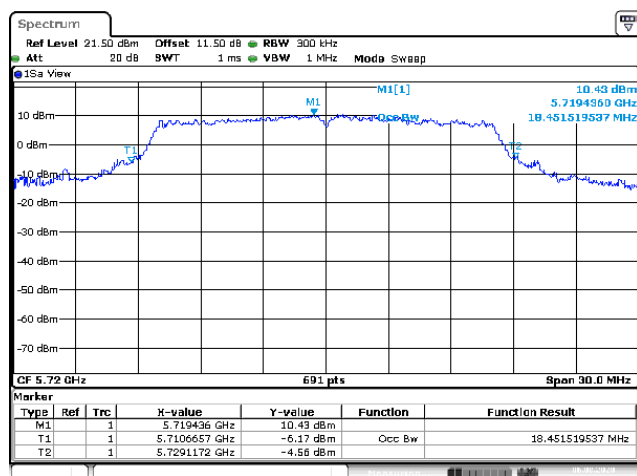


99% Bandwidth

Straddle Channel ,Within 5470-5725MHz Band 99% Bandwidth = 5725MHz-T1 Point(MHz)

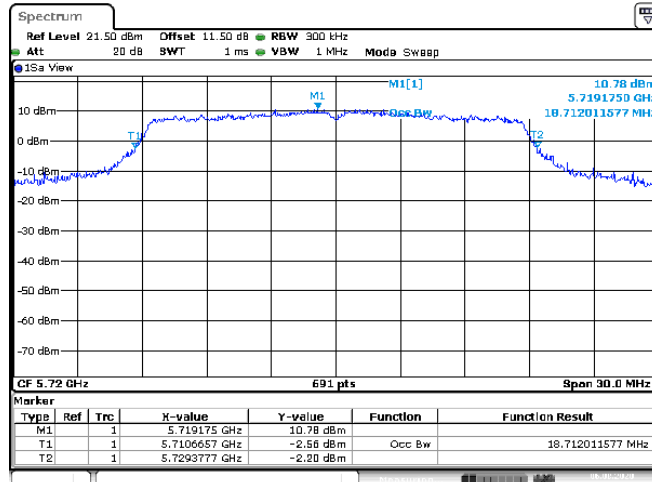
Modulation Type: 802.11a (6Mbps)

CH144



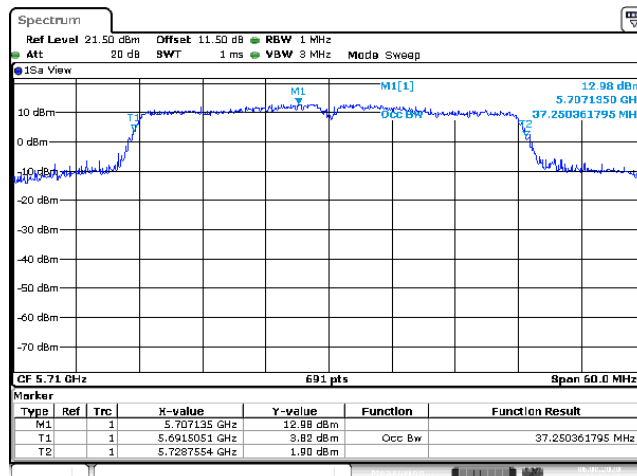
Modulation Type: 802.11ac VHT20 (6.5Mbps)

CH144



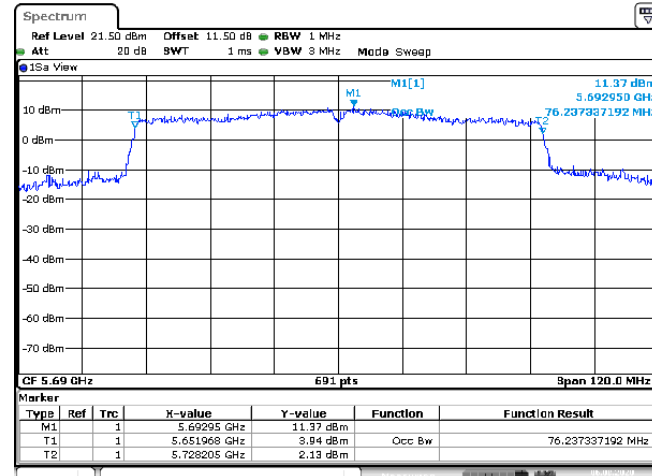
Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH142



Modulation Type: 802.11ac VHT80 (29.3Mbps)

CH138





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電機技術規範(5.7.3)節功率限制規定如下:

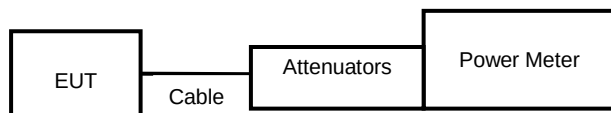
操作於 5.15G-5.25G 頻段者	
☐	供戶外操作使用：最大傳導輸出功率應小於 1W。
☒	供室內操作使用：最大傳導輸出功率應小於 1W。
☐	供固定式點對點操作使用：最大傳導輸出功率應小於 1W。
☐	供用戶端裝置(Client Device)操作使用：最大傳導輸出功率應小於 250mW。
操作於 5.25G-5.35G 與 5.470G-5.725G 頻段者 最大傳導輸出功率應小於 250mW 或 $11\text{dBm} + 10\log B$ (B 是 26dB 發射頻寬，單位 MHz) 之較小者。	
操作於 5.725G-5.850G 頻段者 最大傳導輸出功率應小於 1W。	

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 5.2GHz Band

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A			
11a	6 Mbps	62	36	5180	17.31	17.31	53.827	24.00
11a	6 Mbps	68	40	5200	18.77	18.77	75.336	24.00
11a	6 Mbps	68	48	5240	18.68	18.68	73.790	24.00
11n HT20	MCS 0	64	36	5180	17.31	17.31	53.827	24.00
11n HT20	MCS 0	70	40	5200	18.76	18.76	75.162	24.00
11n HT20	MCS 0	70	48	5240	18.75	18.75	74.989	24.00
11n HT40	MCS 0	60	38	5190	16.37	16.37	43.351	24.00
11n HT40	MCS 0	68	46	5230	18.61	18.61	72.611	24.00
11ac VHT20	NSS1-MCS0	64	36	5180	17.34	17.34	54.200	24.00
11ac VHT20	NSS1-MCS0	70	40	5200	18.80	18.80	75.858	24.00
11ac VHT20	NSS1-MCS0	70	48	5240	18.77	18.77	75.336	24.00
11ac VHT40	NSS1-MCS0	60	38	5190	16.41	16.41	43.752	24.00
11ac VHT40	NSS1-MCS0	68	46	5230	18.66	18.66	73.451	24.00
11ac VHT80	NSS1-MCS0	54	42	5210	14.66	14.66	29.242	24.00



In the 5.3GHz Band

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A			
11a	6 Mbps	68	52	5260	18.71	18.71	74.302	24.00
11a	6 Mbps	70	60	5300	18.80	18.80	75.858	24.00
11a	6 Mbps	70	64	5320	18.79	18.79	75.683	24.00
11n HT20	MCS 0	70	52	5260	18.71	18.71	74.302	24.00
11n HT20	MCS 0	70	60	5300	18.60	18.60	72.444	24.00
11n HT20	MCS 0	70	64	5320	18.51	18.51	70.958	24.00
11n HT40	MCS 0	70	54	5270	18.53	18.53	71.285	24.00
11n HT40	MCS 0	54	62	5310	14.72	14.72	29.648	24.00
11ac VHT20	NSS1-MCS0	70	52	5260	18.72	18.72	74.473	24.00
11ac VHT20	NSS1-MCS0	70	60	5300	18.63	18.63	72.946	24.00
11ac VHT20	NSS1-MCS0	70	64	5320	18.56	18.56	71.779	24.00
11ac VHT40	NSS1-MCS0	70	54	5270	18.55	18.55	71.614	24.00
11ac VHT40	NSS1-MCS0	54	62	5310	14.78	14.78	30.061	24.00
11ac VHT80	NSS1-MCS0	48	58	5290	13.27	13.27	21.232	24.00



In the 5.5GHz Band

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A			
11a	6 Mbps	54	100	5500	14.60	14.60	28.840	24.00
11a	6 Mbps	72	120	5600	18.47	18.47	70.307	24.00
11a	6 Mbps	68	140	5700	17.34	17.34	54.200	24.00
11n HT20	MCS 0	62	100	5500	16.15	16.15	41.210	24.00
11n HT20	MCS 0	72	120	5600	18.51	18.51	70.958	24.00
11n HT20	MCS 0	64	140	5700	15.92	15.92	39.084	24.00
11n HT40	MCS 0	56	102	5510	14.66	14.66	29.242	24.00
11n HT40	MCS 0	70	118	5590	18.41	18.41	69.343	24.00
11n HT40	MCS 0	70	134	5670	18.01	18.01	63.241	24.00
11ac VHT20	NSS1-MCS0	62	100	5500	16.17	16.17	41.400	24.00
11ac VHT20	NSS1-MCS0	72	120	5600	18.55	18.55	71.614	24.00
11ac VHT20	NSS1-MCS0	64	140	5700	15.95	15.95	39.355	24.00
11ac VHT40	NSS1-MCS0	56	102	5510	14.69	14.69	29.444	24.00
11ac VHT40	NSS1-MCS0	70	118	5590	18.46	18.46	70.146	24.00
11ac VHT40	NSS1-MCS0	70	134	5670	18.02	18.02	63.387	24.00
11ac VHT80	NSS1-MCS0	60	106	5530	15.33	15.33	34.119	24.00
11ac VHT80	NSS1-MCS0	72	122	5610	18.57	18.57	71.945	24.00



FCC Maximum Conducted Output Power (Within 5470-5725MHz band) RF Output Power(dBm)								
Modulation Type	Data Rate	Frequency (MHz)	W/O Duty Factor Measured value of each antenna port (dBm)	W/O duty factor Total power (dBm)	Duty Factor (dB)	With duty factor Total power (mW)	With duty factor Total power (dBm)	FCC Limit (dBm)
			ANT A					
11a	6M	5720	17.81	17.81	0.26	64.121	18.07	24.00
11n HT20	MCS0	5720	17.45	17.45	0.28	59.293	17.73	24.00
11n HT40	MCS0	5710	17.74	17.74	0.57	67.764	18.31	24.00
11ac VHT20	NSS1-MCS0	5720	17.50	17.50	0.28	59.979	17.78	24.00
11ac VHT40	NSS1-MCS0	5710	17.77	17.77	0.57	68.234	18.34	24.00
11ac VHT80	NSS1-MCS0	5690	17.44	17.44	1.05	70.632	18.49	24.00

FCC Maximum Conducted Output Power (Extends across 5725MHz band) RF Output Power(dBm)								
Modulation Type	Data Rate	Frequency (MHz)	W/O Duty Factor Measured value of each antenna port (dBm)	W/O duty factor Total power (dBm)	Duty Factor (dB)	With duty factor Total power (mW)	With duty factor Total power (dBm)	FCC Limit (dBm)
			ANT A					
11a	6M	5720	10.50	10.50	0.26	11.912	10.76	30.00
11n HT20	MCS0	5720	10.63	10.63	0.28	12.331	10.91	30.00
11n HT40	MCS0	5710	6.34	6.34	0.57	4.909	6.91	30.00
11ac VHT20	NSS1-MCS0	5720	10.65	10.65	0.28	12.388	10.93	30.00
11ac VHT40	NSS1-MCS0	5710	6.39	6.39	0.57	4.966	6.96	30.00
11ac VHT80	NSS1-MCS0	5690	2.55	2.55	1.05	2.291	3.60	30.00



Reference Power Meter

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Avg Power Output (dBm)	Total Power
					ANT A	(dBm)
Meter power (for full power)						
11a	6 Mbps	74	Ch144	5720MHz	18.87	18.87
11n HT20	MCS 0	74	Ch144	5720MHz	18.63	18.63
11n HT40	MCS 0	72	Ch142	5710MHz	18.59	18.59
11ac VHT20	NSS1-MCS0	74	Ch144	5720MHz	18.66	18.66
11ac VHT40	NSS1-MCS0	72	Ch142	5710MHz	18.62	18.62
11ac VHT80	NSS1-MCS0	74	Ch138	5690MHz	18.85	18.85

*For Power Meter reference only

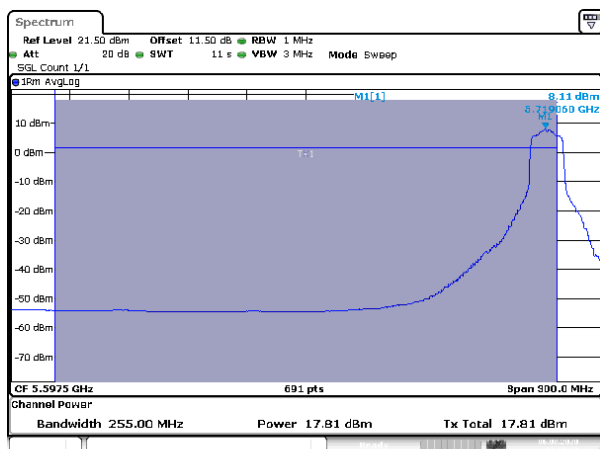


In the 5.8GHz Band

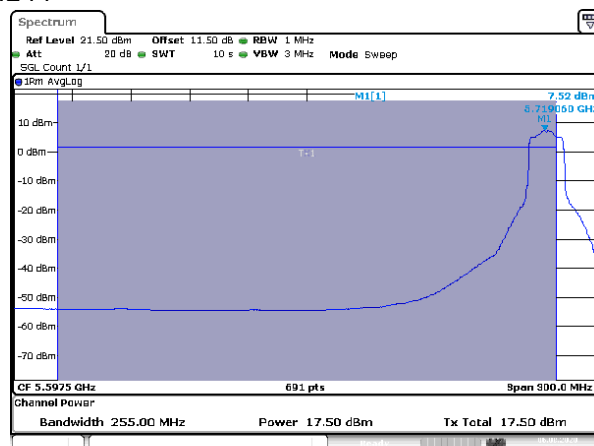
Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A			
11a	6 Mbps	72	149	5745	18.70	18.70	74.131	30.00
11a	6 Mbps	72	157	5785	18.62	18.62	72.778	30.00
11a	6 Mbps	74	165	5825	18.88	18.88	77.268	30.00
11n HT20	MCS 0	72	149	5745	18.58	18.58	72.111	30.00
11n HT20	MCS 0	72	157	5785	18.47	18.47	70.307	30.00
11n HT20	MCS 0	74	165	5825	18.62	18.62	72.778	30.00
11n HT40	MCS 0	70	151	5755	18.51	18.51	70.958	30.00
11n HT40	MCS 0	72	159	5795	18.63	18.63	72.946	30.00
11ac VHT20	NSS1-MCS0	72	149	5745	18.62	18.62	72.778	30.00
11ac VHT20	NSS1-MCS0	72	157	5785	18.52	18.52	71.121	30.00
11ac VHT20	NSS1-MCS0	74	165	5825	18.64	18.64	73.114	30.00
11ac VHT40	NSS1-MCS0	70	151	5755	18.56	18.56	71.779	30.00
11ac VHT40	NSS1-MCS0	72	159	5795	18.66	18.66	73.451	30.00
11ac VHT80	NSS1-MCS0	72	155	5775	18.46	18.46	70.146	30.00



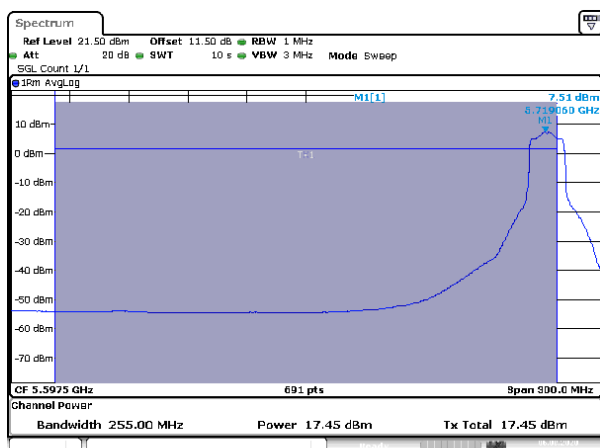
Within 5470-5725MHz Band, Straddle Channel
Modulation Type: 802.11a (6Mbps)
CH144



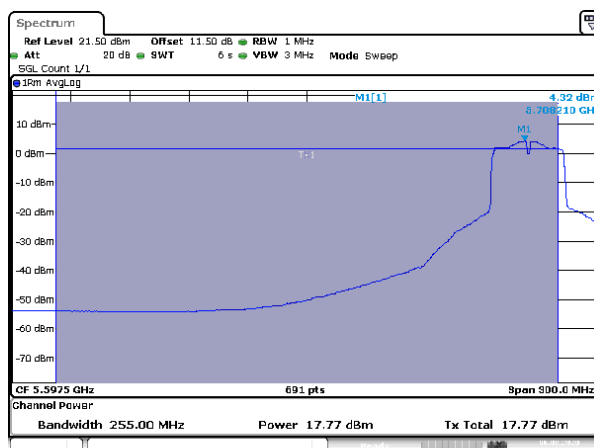
Modulation Type 802.11ac VHT20 (6.5Mbps)
CH144



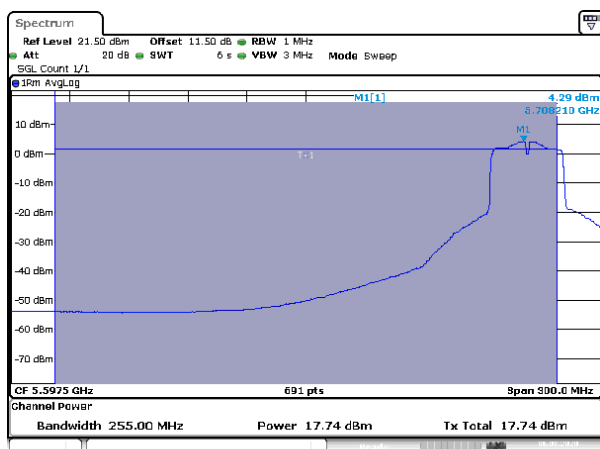
Modulation Type: 802.11n HT20 (6.5Mbps)
CH144



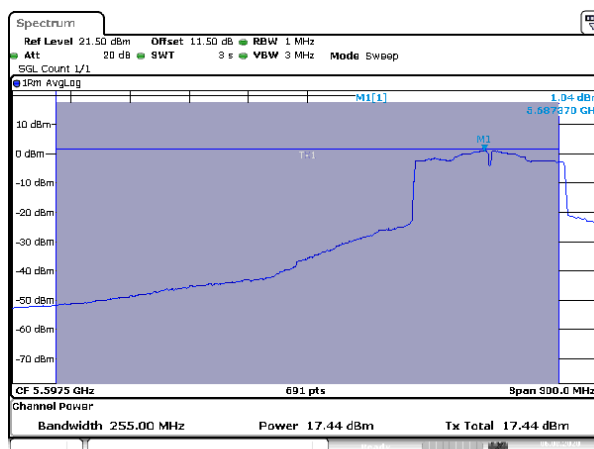
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142



Modulation Type: 802.11n HT40 (13.5Mbps)
CH142

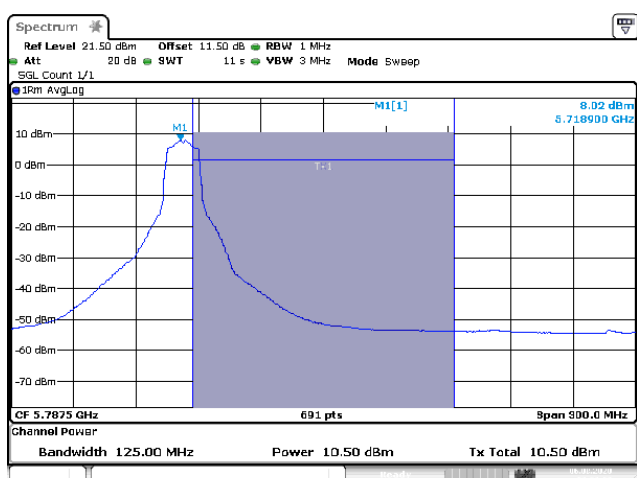


Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138

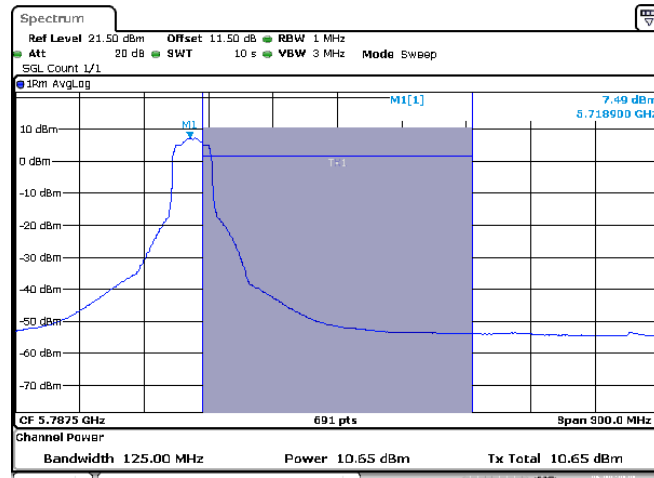




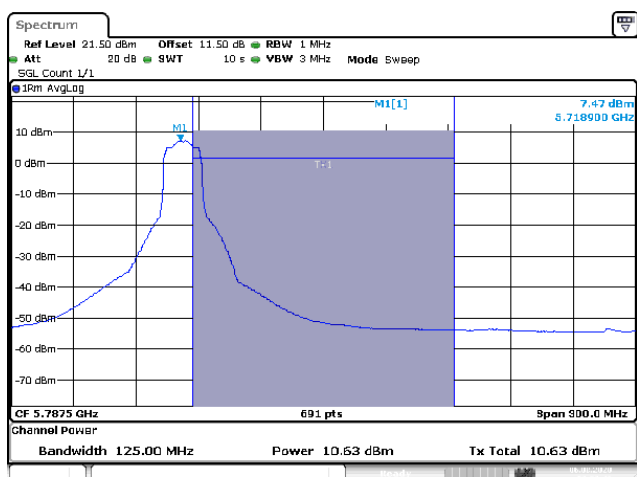
Extends across 5725MHz band, Straddle Channel
Modulation Type: 802.11a (6Mbps)
CH144



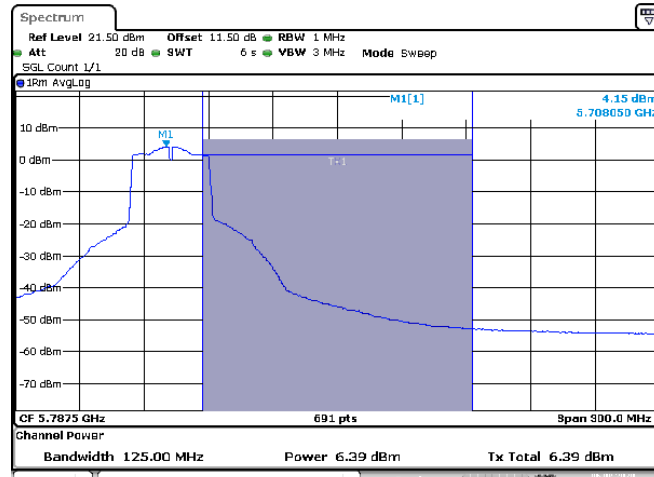
Modulation Type 802.11ac VHT20 (6.5Mbps)
CH144



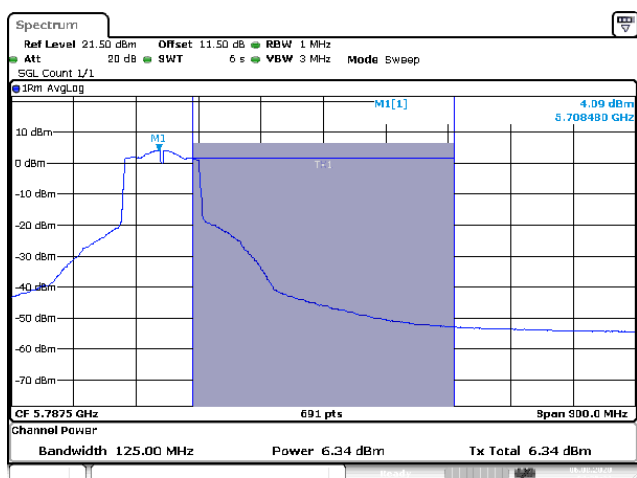
Modulation Type: 802.11n HT20 (6.5Mbps)
CH144



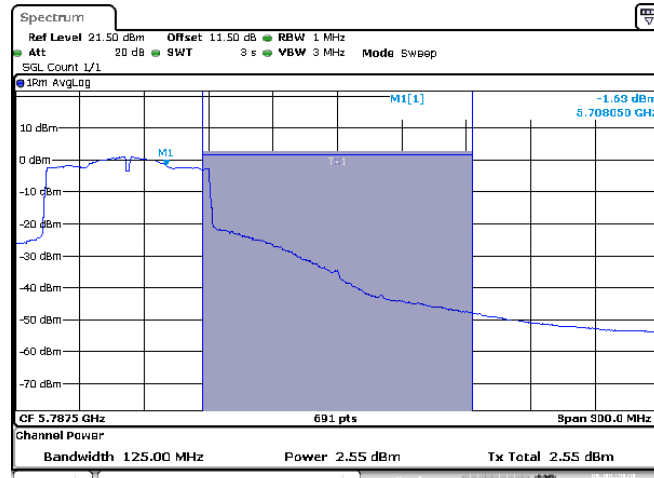
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142



Modulation Type: 802.11n HT40 (13.5Mbps)
CH142



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138





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電機技術規範(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。	

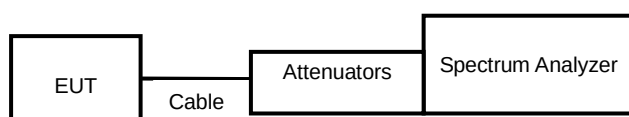


10.2. 測試方法

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

Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A				
11a	36	5180	6.38	6.38	0.26	6.64	11.00
11a	40	5200	7.91	7.91	0.26	8.17	11.00
11a	48	5240	7.77	7.77	0.26	8.03	11.00
11ac VHT20	36	5180	6.19	6.19	0.28	6.47	11.00
11ac VHT20	40	5200	7.76	7.76	0.28	8.04	11.00
11ac VHT20	48	5240	7.73	7.73	0.28	8.01	11.00
11ac VHT40	38	5190	2.06	2.06	0.57	2.63	11.00
11ac VHT40	46	5230	4.16	4.16	0.57	4.73	11.00
11ac VHT80	42	5210	-2.57	-2.57	1.05	-1.52	11.00

In the 5.3G Band

Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A				
11a	52	5260	7.57	7.57	0.26	7.83	11.00
11a	60	5300	7.86	7.86	0.26	8.12	11.00
11a	64	5320	7.78	7.78	0.26	8.04	11.00
11ac VHT20	52	5260	7.40	7.40	0.28	7.68	11.00
11ac VHT20	60	5300	7.34	7.34	0.28	7.62	11.00
11ac VHT20	64	5320	7.23	7.23	0.28	7.51	11.00
11ac VHT40	54	5270	4.15	4.15	0.57	4.72	11.00
11ac VHT40	62	5310	0.89	0.89	0.57	1.46	11.00
11ac VHT80	58	5290	-3.67	-3.67	1.05	-2.62	11.00

**In the 5.5G Band**

Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A				
11a	100	5500	4.64	4.64	0.26	4.90	11.00
11a	120	5600	8.74	8.74	0.26	9.00	11.00
11a	140	5700	7.21	7.21	0.26	7.47	11.00
11a	144	5720	7.95	7.95	0.26	8.21	11.00
11ac VHT20	100	5500	6.00	6.00	0.28	6.28	11.00
11ac VHT20	120	5600	7.98	7.98	0.28	8.26	11.00
11ac VHT20	140	5700	5.62	5.62	0.28	5.90	11.00
11ac VHT20	144	5720	7.36	7.36	0.57	7.93	11.00
11ac VHT40	102	5510	1.40	1.40	0.57	1.97	11.00
11ac VHT40	118	5590	4.49	4.49	0.57	5.06	11.00
11ac VHT40	134	5670	4.45	4.45	0.57	5.02	11.00
11ac VHT40	142	5710	4.95	4.95	0.57	5.52	11.00
11ac VHT80	106	5530	-1.39	-1.39	1.05	-0.34	11.00
11ac VHT80	122	5610	1.33	1.33	1.05	2.38	11.00
11ac VHT80	138	5690	1.68	1.68	1.05	2.73	11.00

In the 5.8G Band

Modulation Type	Channel (MHz)	Frequency (MHz)	Meas PSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	10log(500KHz/RBW) CF (dB)	Total Corr'd PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)
			ANT A					
11a	149	5745	7.20	7.20	0.26	-3.01	4.45	30.00
11a	157	5785	6.92	6.92	0.26	-3.01	4.17	30.00
11a	165	5825	7.22	7.22	0.26	-3.01	4.47	30.00
11ac VHT20	149	5745	6.73	6.73	0.28	-3.01	4.00	30.00
11ac VHT20	157	5785	6.43	6.43	0.28	-3.01	3.70	30.00
11ac VHT20	165	5825	6.81	6.81	0.28	-3.01	4.08	30.00
11ac VHT40	151	5755	3.19	3.19	0.57	-3.01	0.75	30.00
11ac VHT40	159	5795	3.51	3.51	0.57	-3.01	1.07	30.00
11ac VHT80	155	5775	0.22	0.22	1.05	-3.01	-1.74	30.00

備註：繪圖資料請參考下頁。

10.5. 結果判定

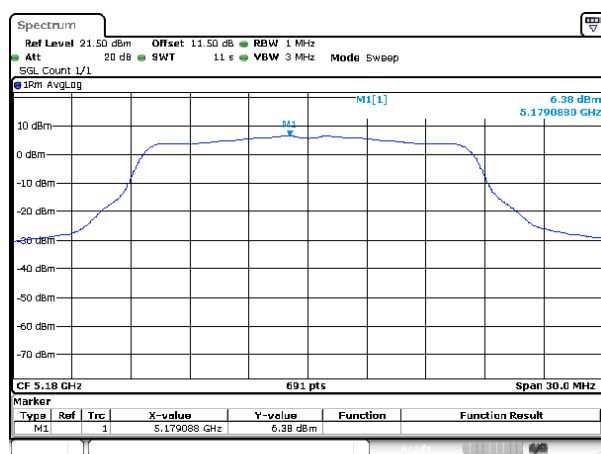
高、中、低頻段的數值皆低於限制值要求，合乎標準規定。



5.2G, Band 1

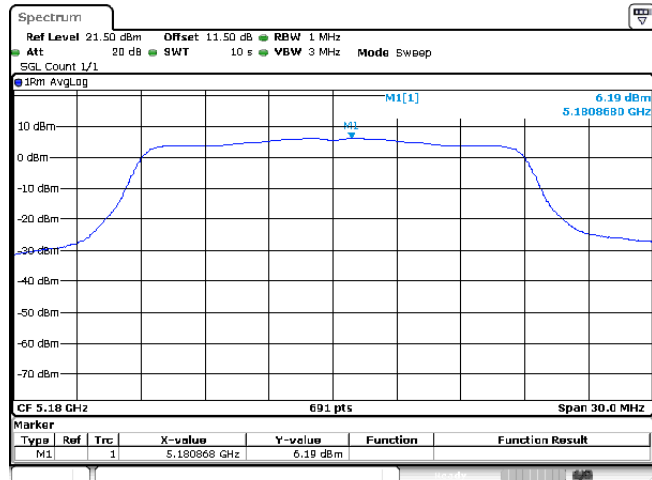
Modulation Type: 802.11a (6Mbps)

CH36

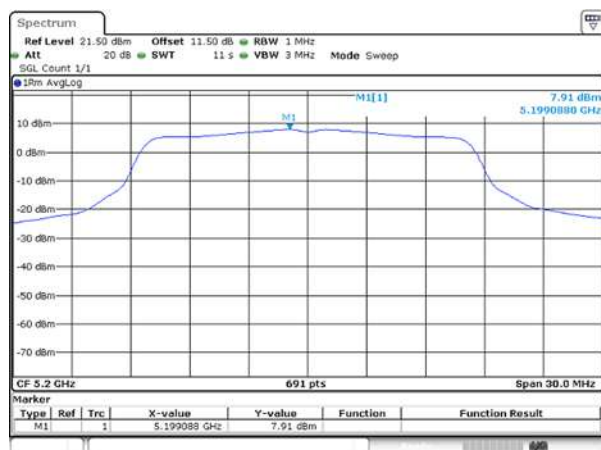


Modulation Type: 802.11ac VHT20 (6.5Mbps)

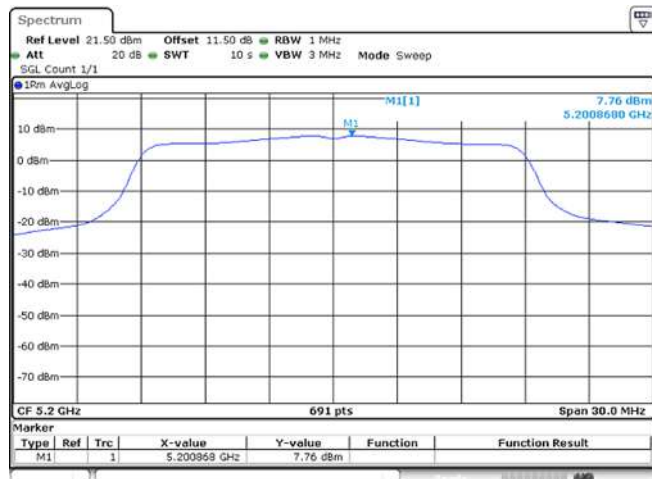
CH36



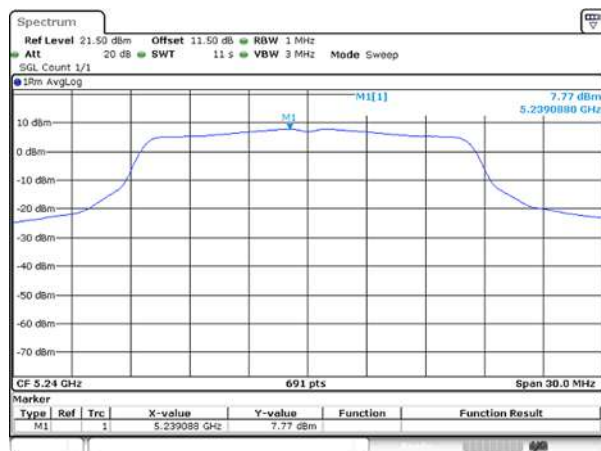
CH40



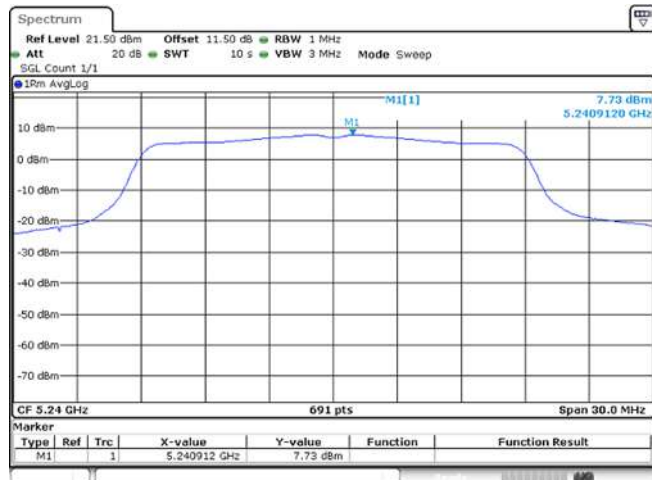
CH40



CH48



CH48

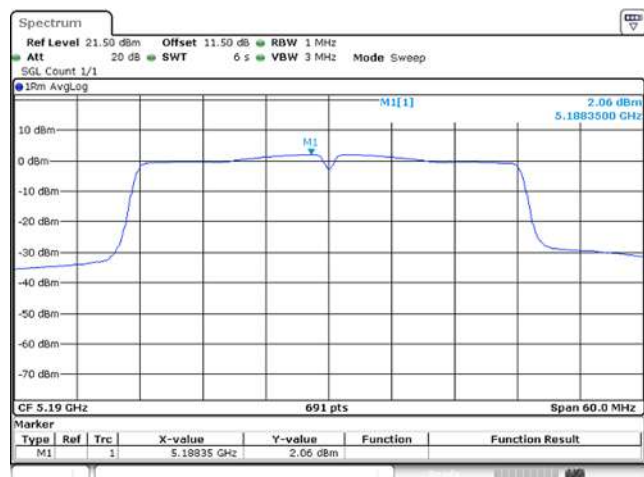




5.2G, Band 1

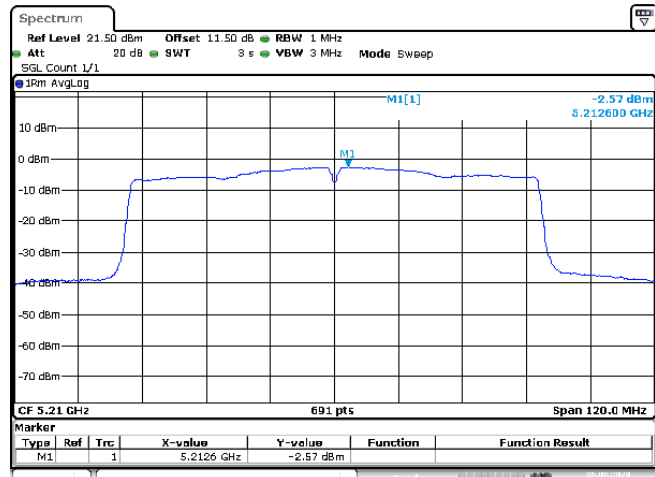
Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH38

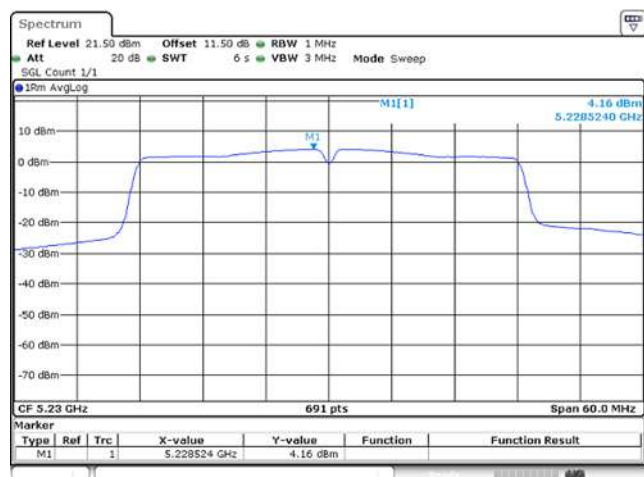


Modulation Type: 802.11ac VHT80 (29.3Mbps)

CH42



CH46

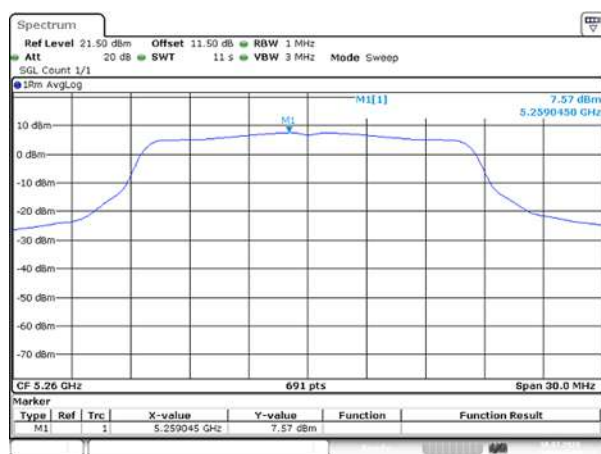




5.3G, Band 2

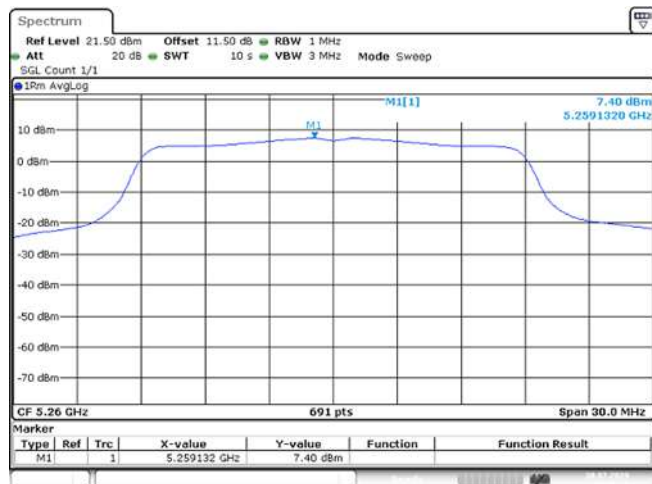
Modulation Type: 802.11a (6Mbps)

CH52

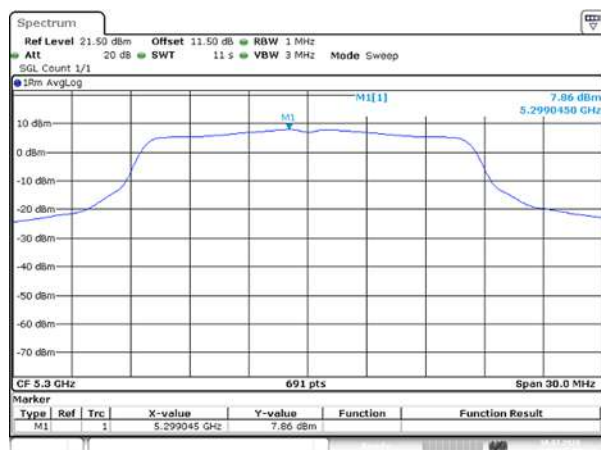


Modulation Type: 802.11ac VHT20 (6.5Mbps)

CH52



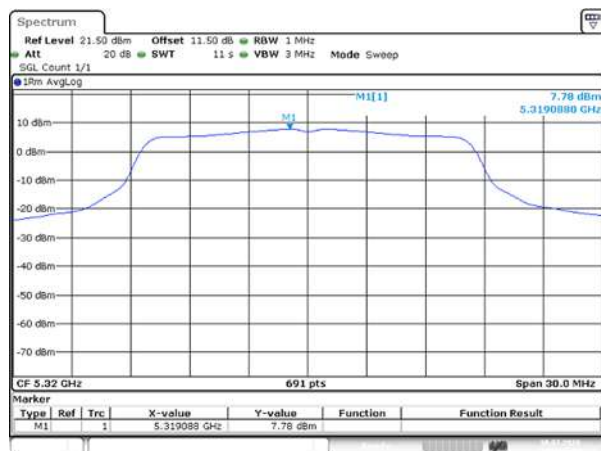
CH60



CH60



CH64



CH64

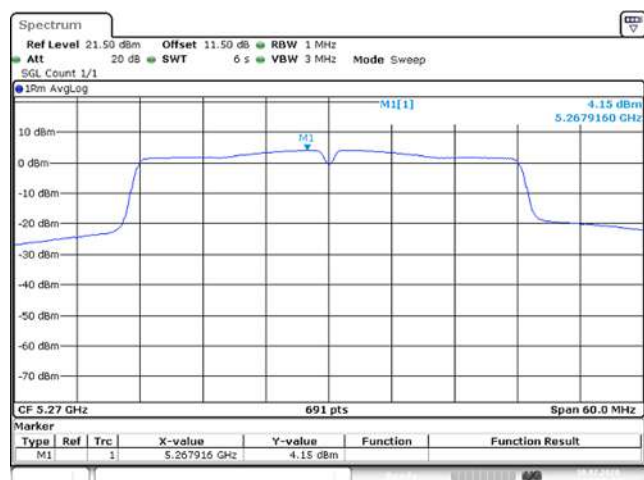


5.3G, Band 2



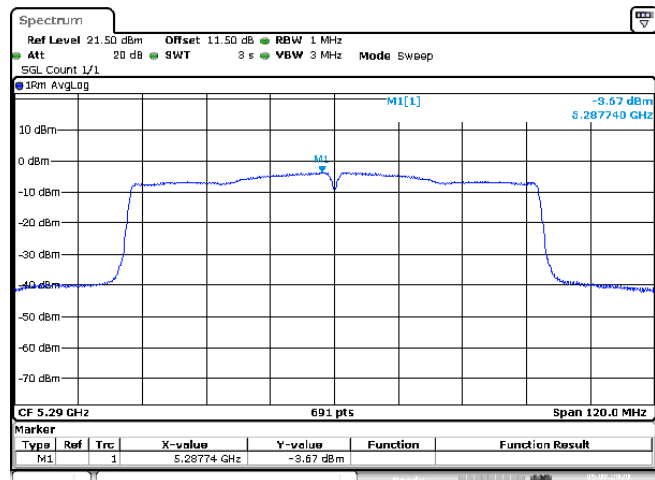
Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH54

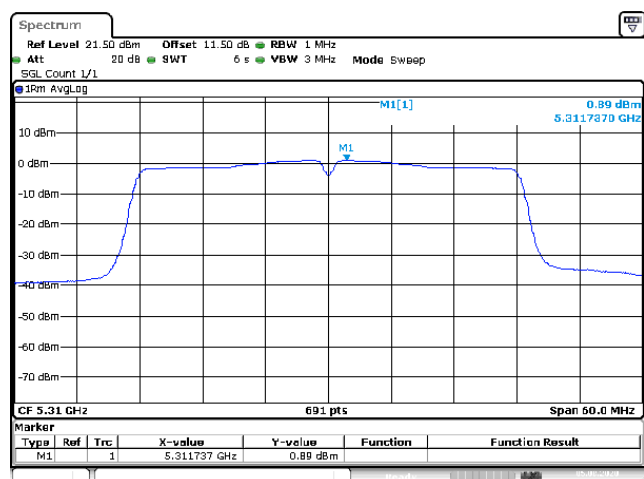


Modulation Type: 802.11ac VHT80 (29.3Mbps)

CH58



CH62

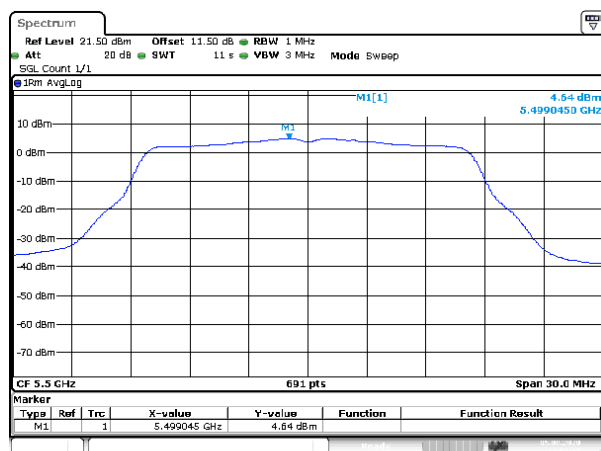




5.5G, Band 3

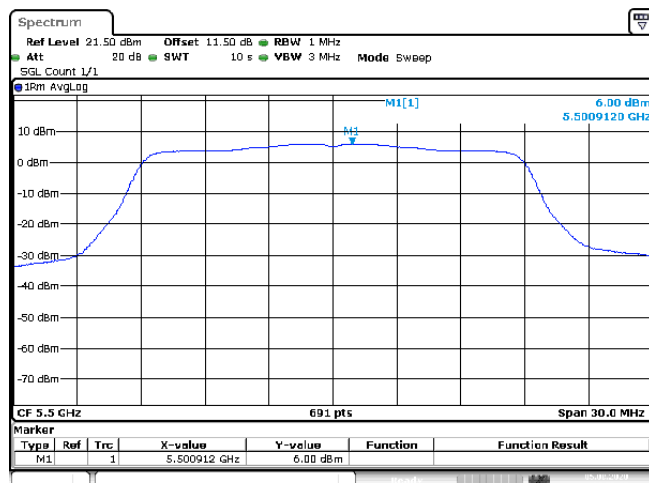
Modulation Type: 802.11a (6Mbps)

CH100

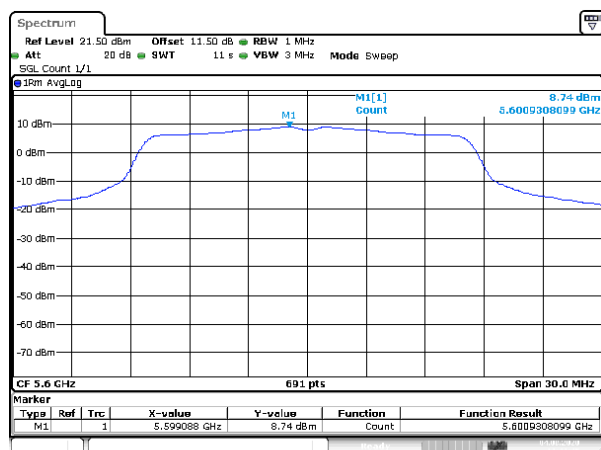


Modulation Type: 802.11ac VHT20 (6.5Mbps)

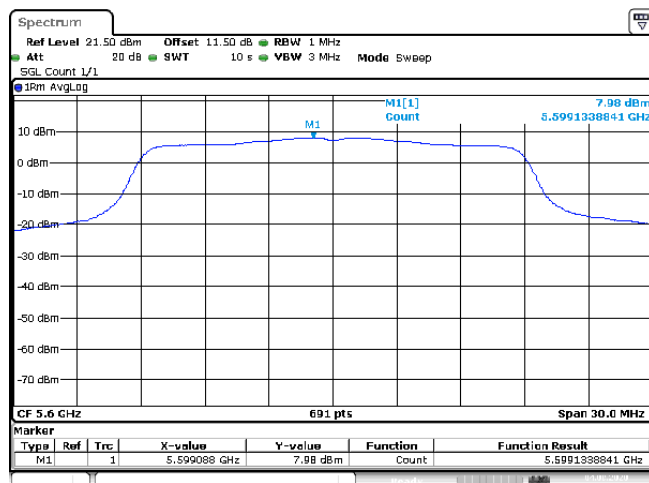
CH100



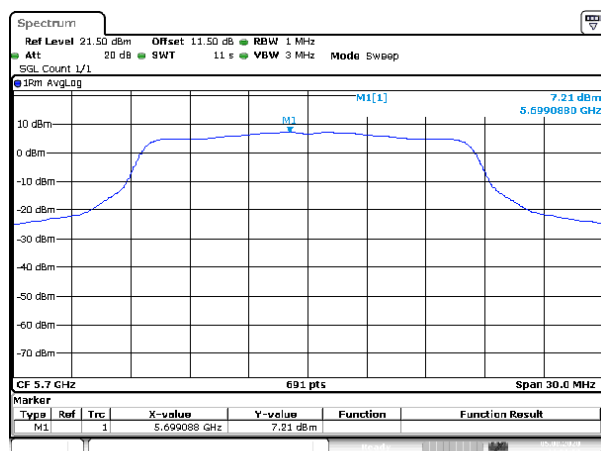
CH120



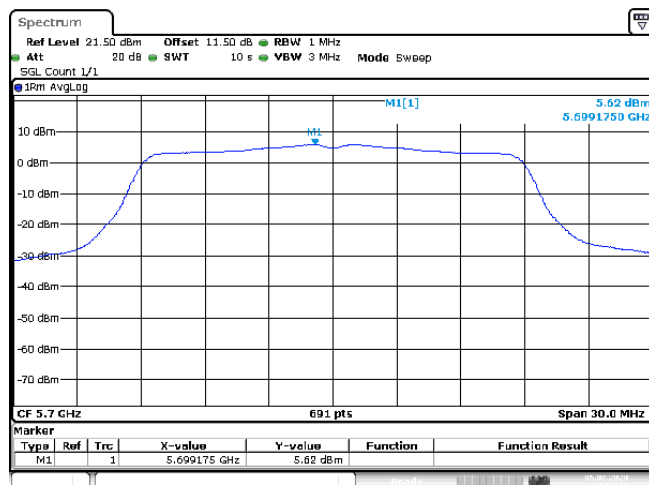
CH120



CH140



CH140

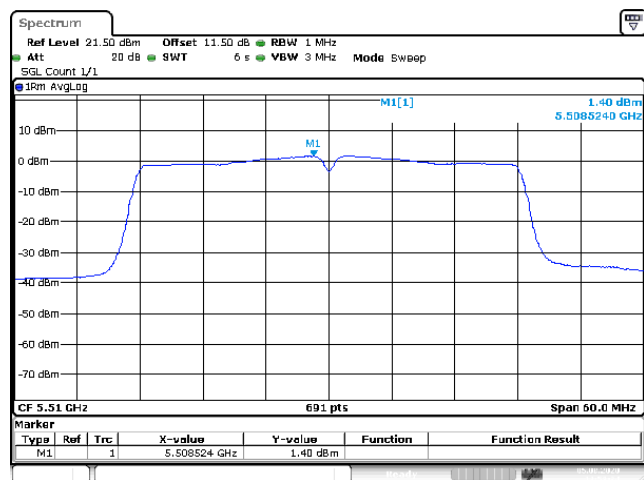




5.5G, Band 3

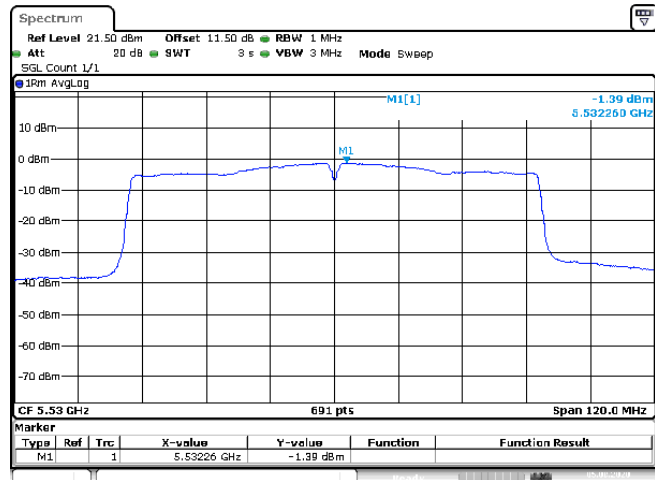
Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH102

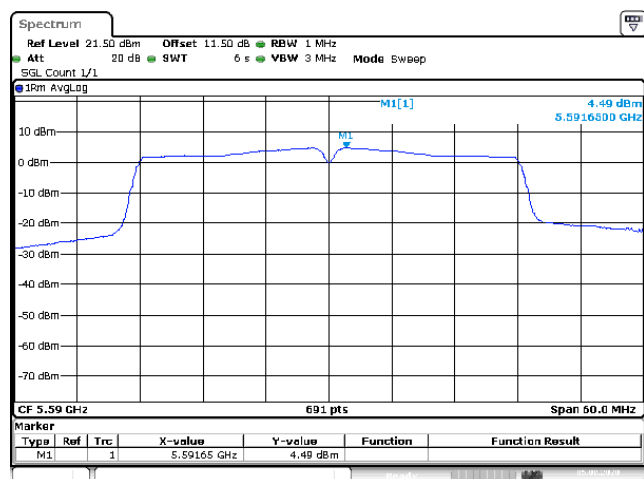


Modulation Type: 802.11ac VHT80 (29.3Mbps)

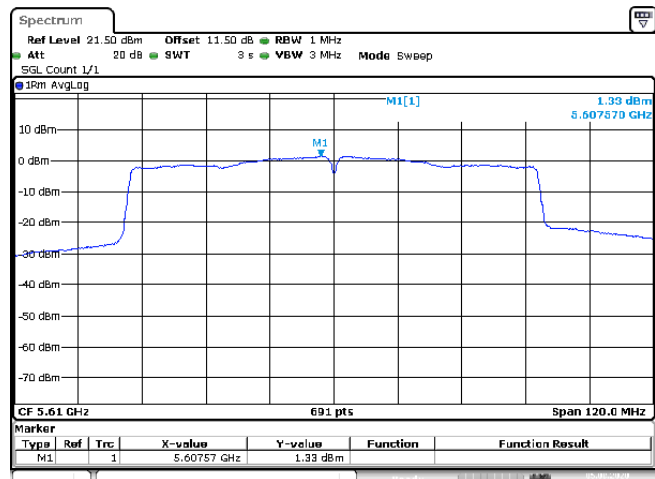
CH106



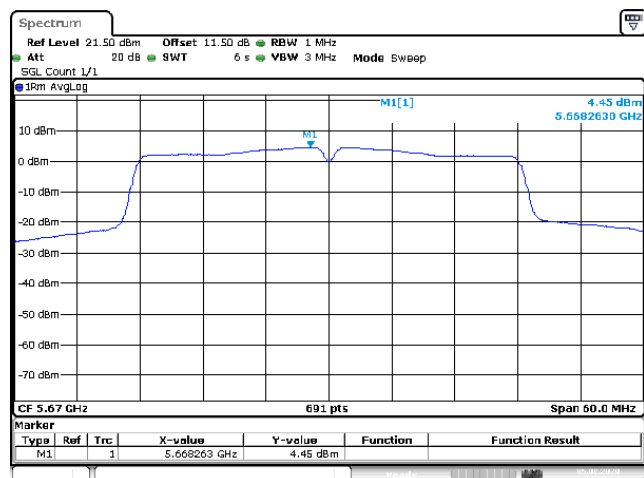
CH118



CH122



CH134

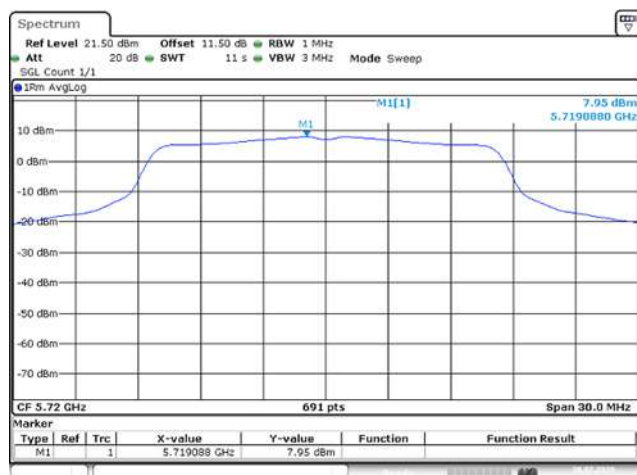




5.5G, Band 3, Straddle Channel

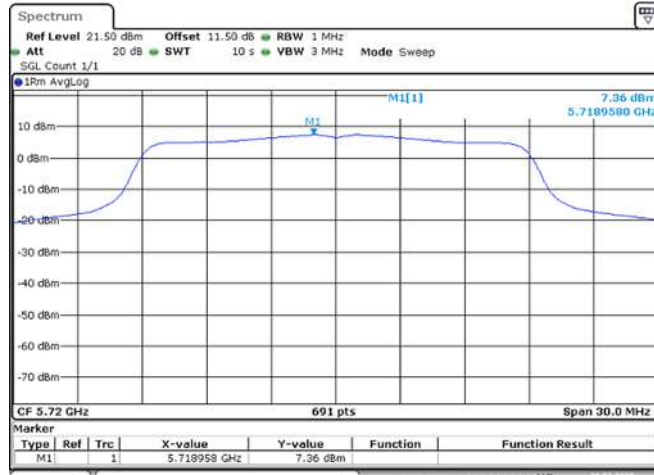
Modulation Type: 802.11a (6Mbps)

CH144



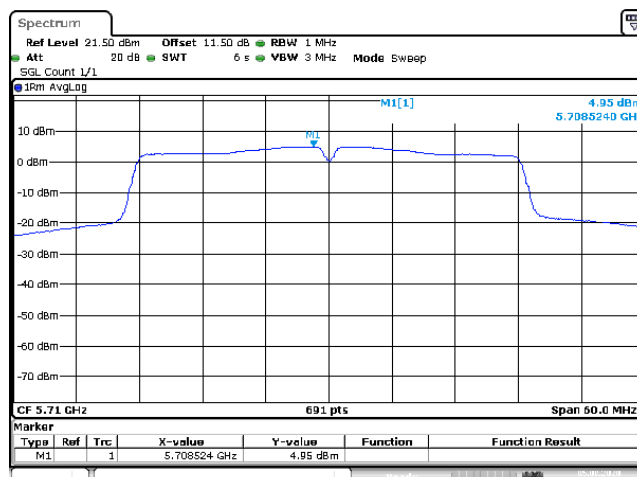
Modulation Type: 802.11ac VHT20 (6.5Mbps)

CH144



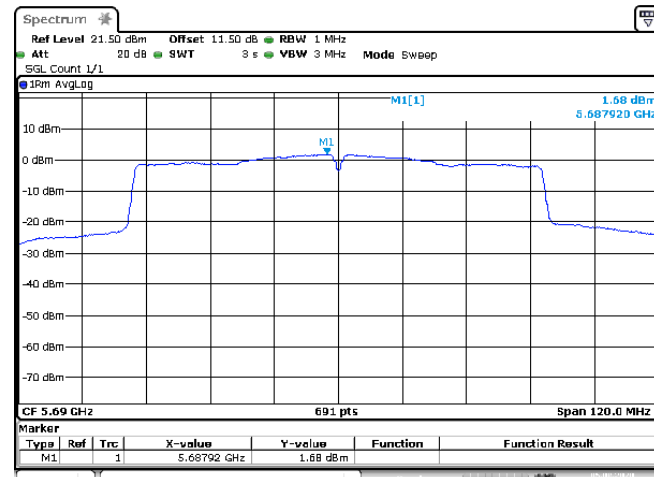
Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH142



Modulation Type: 802.11ac VHT80 (29.3Mbps)

CH138

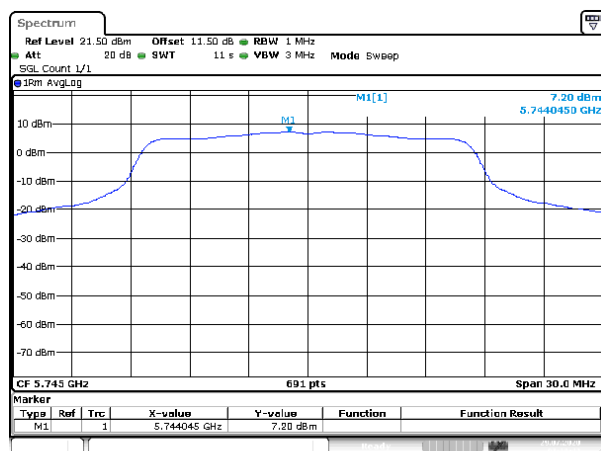




5.8G, Band 4

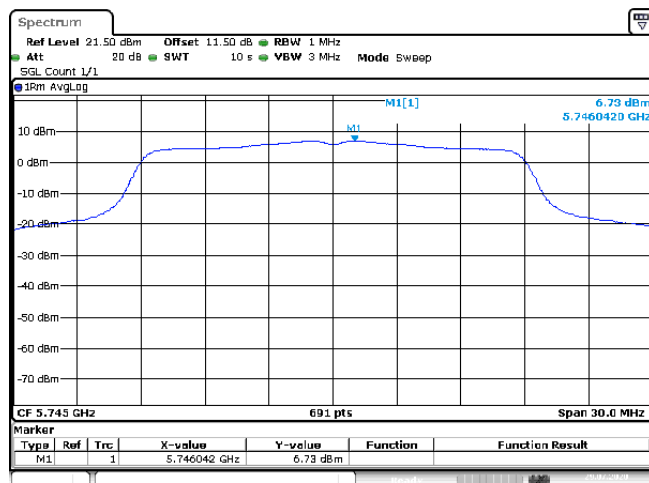
Modulation Type: 802.11a (6Mbps)

CH149

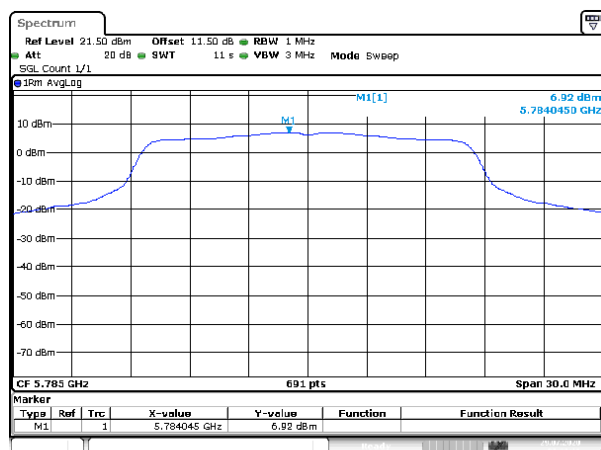


Modulation Type: 802.11ac VHT20 (6.5Mbps)

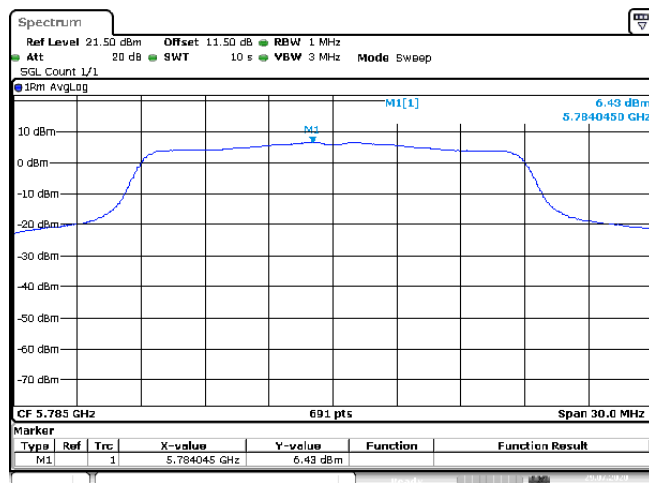
CH149



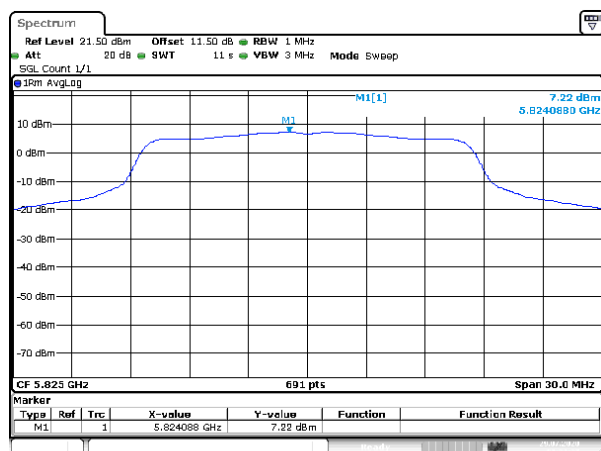
CH157



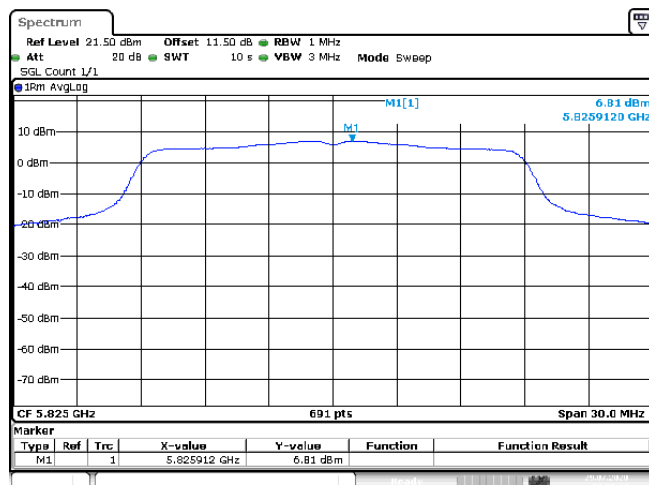
CH157



CH165



CH165

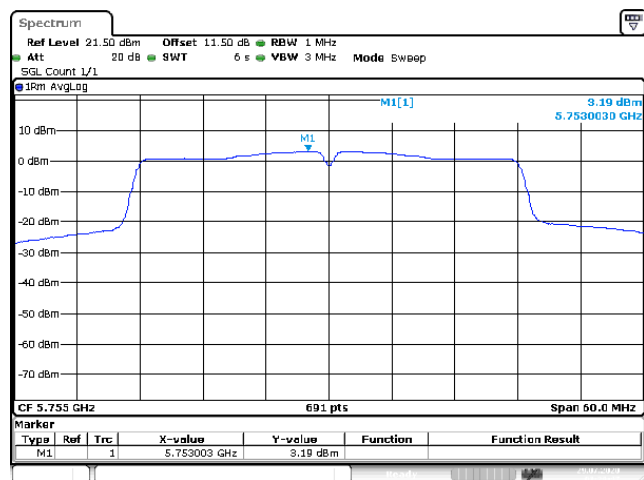




5.8G, Band 4

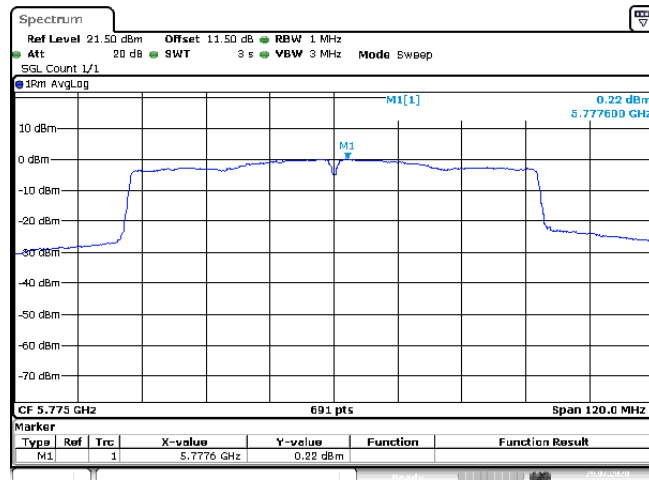
Modulation Type: 802.11ac VHT40 (13.5Mbps)

CH151

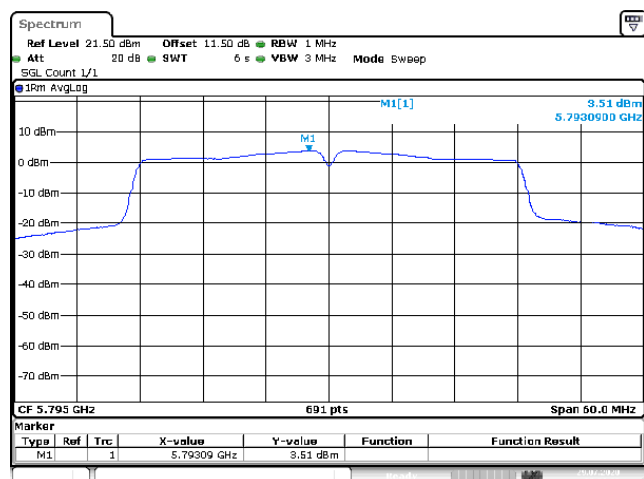


Modulation Type: 802.11ac VHT80 (29.3Mbps)

CH155



CH159



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。

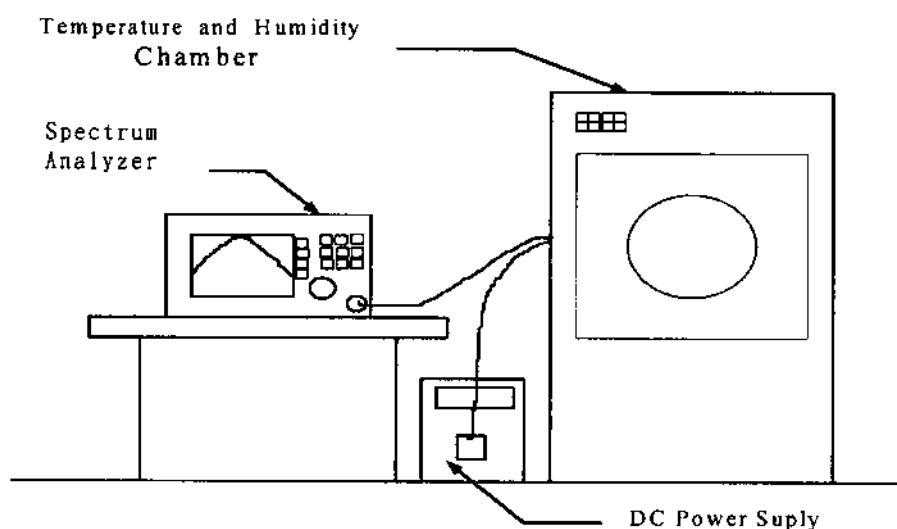
關閉 EUT 並將可控制溫度和濕度設備室設置為指定的最高溫度。

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							
Temp (°C)	Power supply (V)	2 minute		5 minute		10 minute	
		(MHz)	(%)	(MHz)	(%)	(MHz)	(%)
50	93.5	5180.0143	0.000276	5180.0163	0.000314	5180.0179	0.000345
	110	5180.0147	0.000284	5180.0165	0.000318	5180.0178	0.000344
	126.5	5180.0148	0.000285	5180.0168	0.000324	5180.0177	0.000341
40	93.5	5180.0124	0.000239	5180.0130	0.000251	5180.0127	0.000246
	110	5180.0124	0.000239	5180.0126	0.000242	5180.0128	0.000246
	126.5	5180.0132	0.000254	5180.0128	0.000247	5180.0137	0.000264
30	93.5	5180.0184	0.000355	5180.0175	0.000338	5180.0177	0.000341
	110	5180.0190	0.000366	5180.0176	0.000339	5180.0174	0.000335
	126.5	5180.0190	0.000367	5180.0173	0.000335	5180.0173	0.000335
20	93.5	5180.0276	0.000533	5180.0267	0.000516	5180.0267	0.000516
	110	5180.0286	0.000552	5180.0276	0.000533	5180.0273	0.000527
	126.5	5180.0279	0.000538	5180.0275	0.000530	5180.0275	0.000531
10	93.5	5180.0401	0.000774	5180.0399	0.000771	5180.0394	0.000761
	110	5180.0399	0.000771	5180.0392	0.000757	5180.0391	0.000755
	126.5	5180.0403	0.000778	5180.0402	0.000775	5180.0400	0.000772
0	93.5	5180.0508	0.000982	5180.0496	0.000957	5180.0494	0.000954
	110	5180.0518	0.001000	5180.0495	0.000955	5180.0490	0.000947
	126.5	5180.0516	0.000996	5180.0496	0.000958	5180.0493	0.000951
-10	93.5	5180.0509	0.000982	5180.0516	0.000997	5180.0510	0.000984
	110	5180.0518	0.001000	5180.0510	0.000984	5180.0512	0.000989
	126.5	5180.0510	0.000984	5180.0517	0.000997	5180.0510	0.000984
-20	93.5	5180.0485	0.000937	5180.0487	0.000939	5180.0487	0.000940
	110	5180.0480	0.000927	5180.0494	0.000954	5180.0496	0.000957
	126.5	5180.0480	0.000927	5180.0494	0.000953	5180.0489	0.000944
-30	93.5	5180.0331	0.000638	5180.0367	0.000709	5180.0365	0.000704
	110	5180.0334	0.000644	5180.0369	0.000713	5180.0370	0.000714
	126.5	5180.0330	0.000637	5180.0369	0.000711	5180.0371	0.000717



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電機技術規範 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

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	18.80	20.80	4.6	20	0.069	1
5260-5320	18.80	20.80	4.6	20	0.069	1
5500-5700	18.57	20.57	4.6	20	0.065	1
5745-5825	18.88	20.88	4.6	20	0.070	1

Maximum Permissible Exposure (Co-location)

Modulation Type	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)	MPE Ratio
11a	5725-5850	18.88	20.88	4.6	20	0.070	1.000	0.070
GFSK	2402-2480	5.89	7.89	2.6	20	0.002	1.000	0.002
Co-location Total								0.072
Σ MPE ratios Limit								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-----