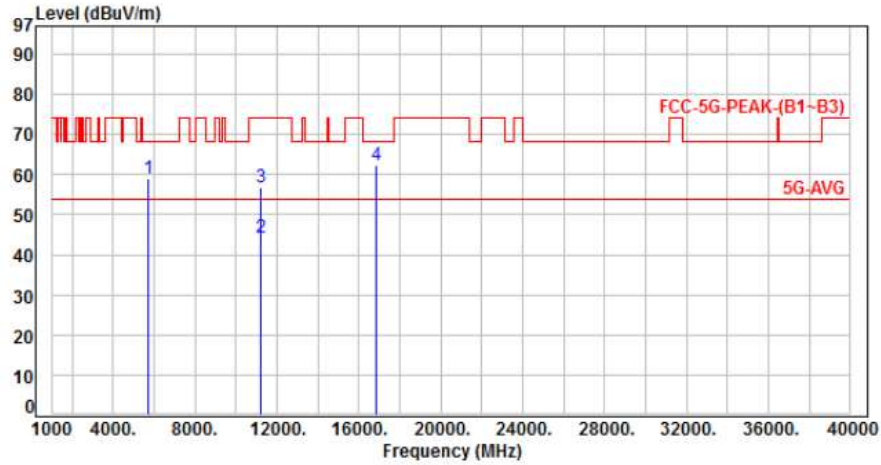




Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, Band 3, CH122		:

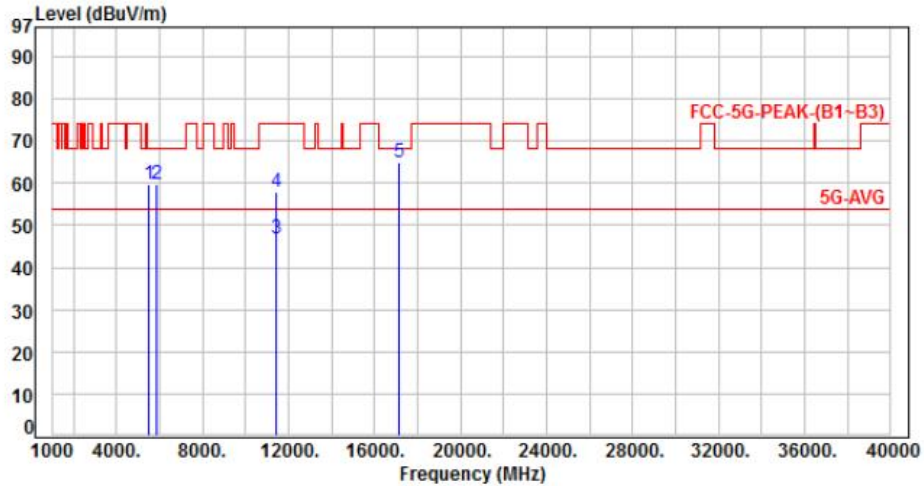


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5725.00	5.19	53.66	58.85	68.20	-9.35	Peak	115	83	P
2	11220.00	12.73	31.37	44.10	54.00	-9.90	Average	100	161	P
3	11220.00	12.73	44.22	56.95	74.00	-17.05	Peak	100	161	P
4	16830.00	17.18	45.24	62.42	68.20	-5.78	Peak	100	308	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 3 Straddle Channel, CH144		:

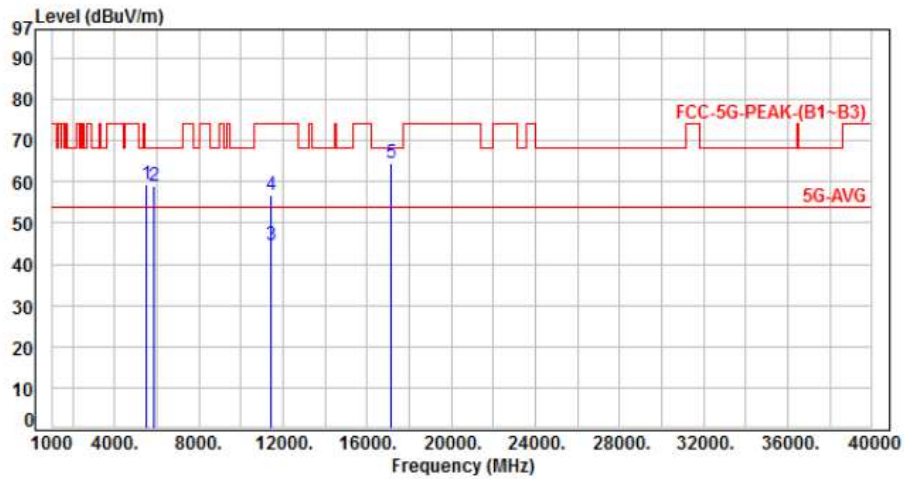


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5470.00	5.31	54.29	59.60	68.20	-8.60	Peak	138	113	P
2	5850.00	5.37	54.24	59.61	68.20	-8.59	Peak	138	113	P
3	11440.00	13.08	33.81	46.89	54.00	-7.11	Average	302	149	P
4	11440.00	13.08	44.75	57.83	74.00	-16.17	Peak	302	149	P
5	17160.00	18.81	46.08	64.89	68.20	-3.31	Peak	100	319	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 3 Straddle Channel, CH144		:

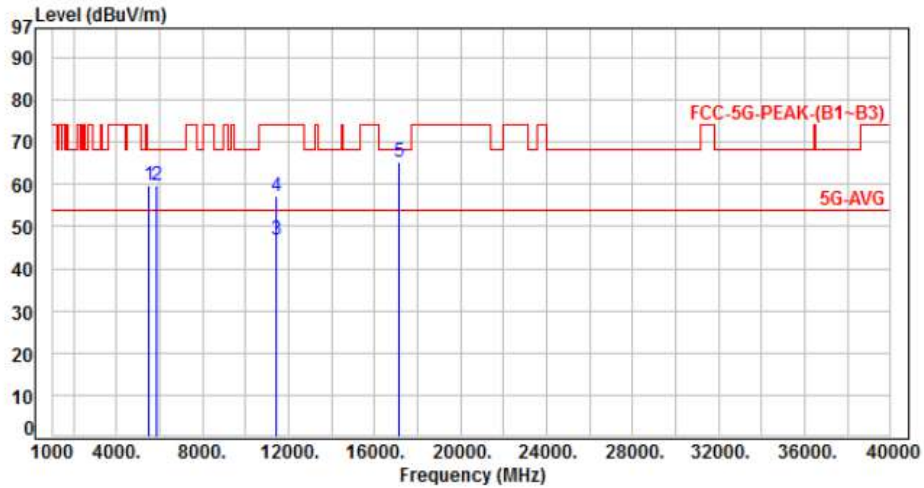


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5470.00	5.31	54.13	59.44	68.20	-8.76	Peak	100	85	P
2	5850.00	5.37	53.49	58.86	68.20	-9.34	Peak	100	85	P
3	11440.00	13.08	31.42	44.50	54.00	-9.50	Average	100	150	P
4	11440.00	13.08	43.72	56.80	74.00	-17.20	Peak	100	150	P
5	17160.00	18.81	45.82	64.63	68.20	-3.57	Peak	100	321	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 3 Straddle Channel, CH144		

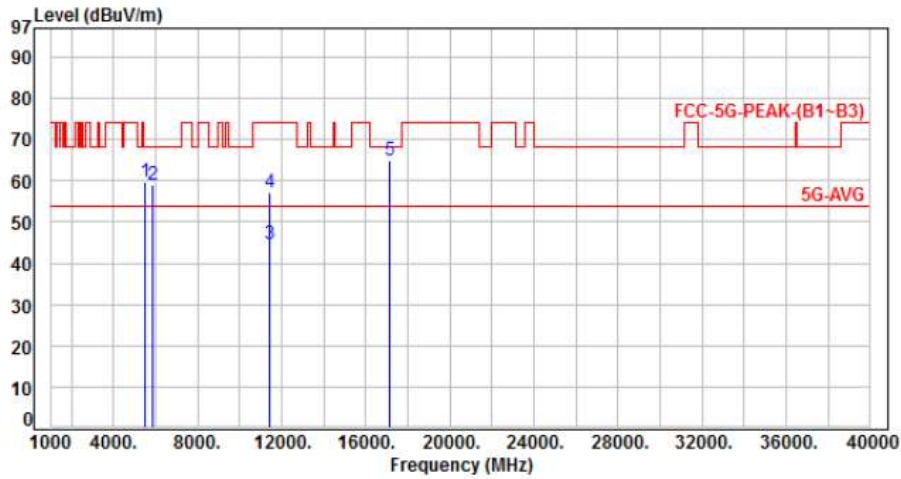


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5470.00	5.31	54.56	59.87	68.20	-8.33	Peak	140	112	P
2	5850.00	5.37	54.49	59.86	68.20	-8.34	Peak	140	112	P
3	11440.00	13.08	33.94	47.02	54.00	-6.98	Average	305	148	P
4	11440.00	13.08	44.00	57.08	74.00	-16.92	Peak	305	148	P
5	17160.00	18.81	46.55	65.36	68.20	-2.84	Peak	100	316	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 3 Straddle Channel, CH144		:

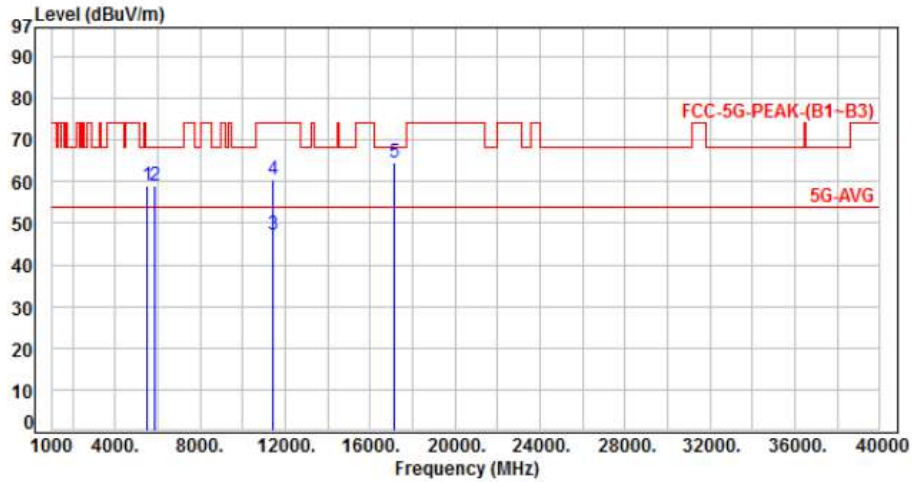


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5470.00	5.31	54.39	59.70	68.20	-8.50	Peak	100	82	P
2	5850.00	5.37	53.75	59.12	68.20	-9.08	Peak	100	82	P
3	11440.00	13.08	31.61	44.69	54.00	-9.31	Average	100	148	P
4	11440.00	13.08	44.05	57.13	74.00	-16.87	Peak	100	148	P
5	17160.00	18.81	45.98	64.79	68.20	-3.41	Peak	100	324	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 3 Straddle Channel, CH142		:

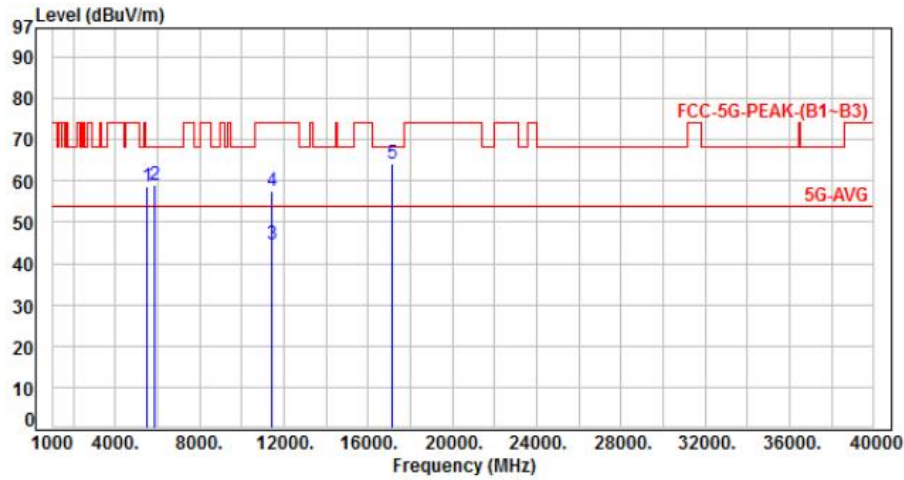


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5470.00	5.31	53.85	59.16	68.20	-9.04	Peak	165	75	P
2	5850.00	5.37	53.71	59.08	68.20	-9.12	Peak	165	75	P
3	11420.00	13.05	34.05	47.10	54.00	-6.90	Average	302	152	P
4	11420.00	13.05	47.28	60.33	74.00	-13.67	Peak	302	152	P
5	17130.00	18.62	45.75	64.37	68.20	-3.83	Peak	100	311	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 3 Straddle Channel, CH142		:

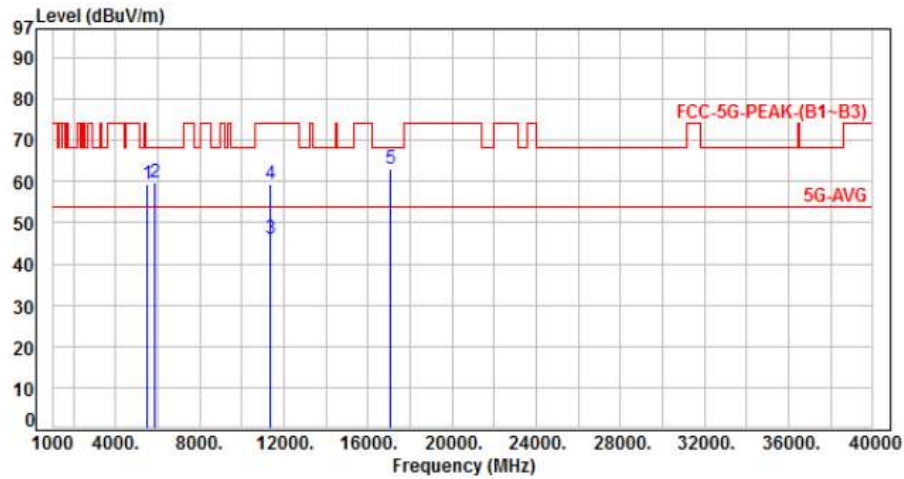


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5470.00	5.31	53.28	58.59	68.20	-9.61	Peak	128	89	P
2	5850.00	5.37	53.74	59.11	68.20	-9.09	Peak	128	89	P
3	11420.00	13.05	31.72	44.77	54.00	-9.23	Average	100	159	P
4	11420.00	13.05	44.59	57.64	74.00	-16.36	Peak	100	159	P
5	17130.00	18.62	45.51	64.13	68.20	-4.07	Peak	100	314	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 3 Straddle Channel, CH138		:

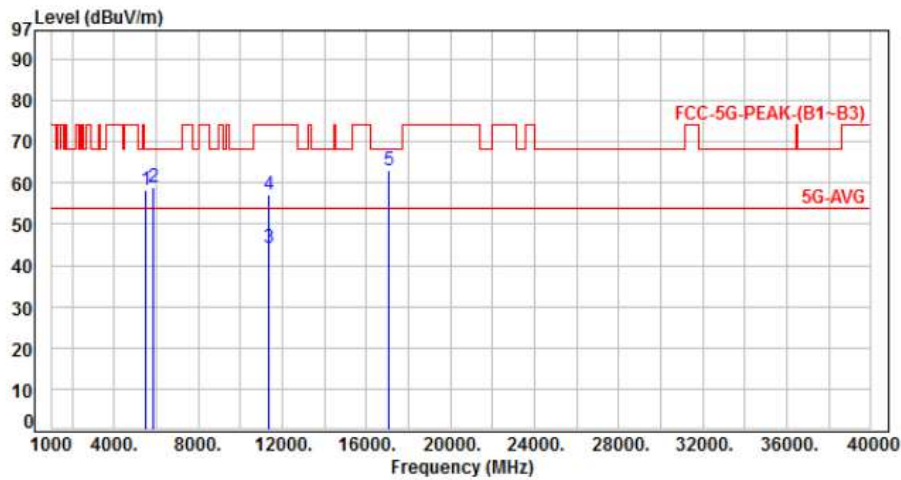


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5470.00	5.31	54.22	59.53	68.20	-8.67	Peak	128	85	P
2	5850.00	5.37	54.47	59.84	68.20	-8.36	Peak	128	85	P
3	11380.00	12.97	33.26	46.23	54.00	-7.77	Average	306	154	P
4	11380.00	12.97	46.23	59.20	74.00	-14.80	Peak	306	154	P
5	17070.00	18.33	44.65	62.98	68.20	-5.22	Peak	100	318	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 3 Straddle Channel, CH138		:

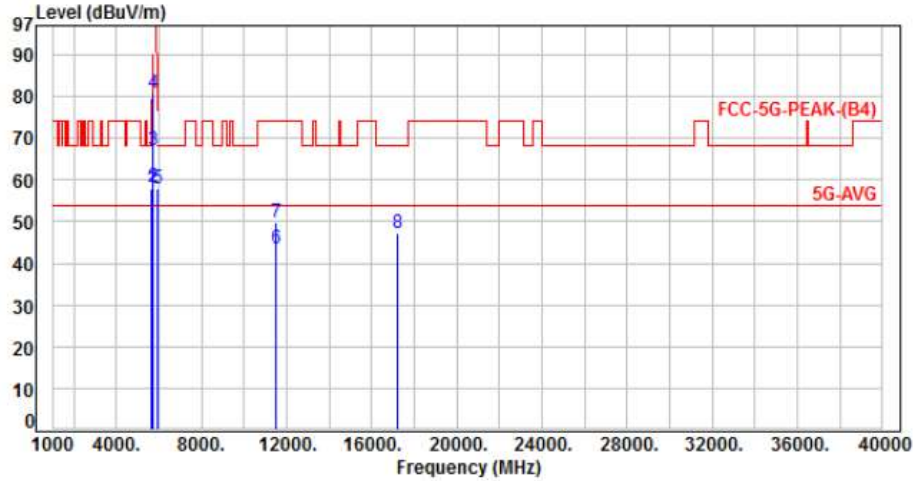


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5470.00	5.31	52.98	58.29	68.20	-9.91	Peak	118	92	P
2	5850.00	5.37	53.77	59.14	68.20	-9.06	Peak	118	92	P
3	11380.00	12.97	31.19	44.16	54.00	-9.84	Average	100	158	P
4	11380.00	12.97	44.16	57.13	74.00	-16.87	Peak	100	158	P
5	17070.00	18.33	44.86	63.19	68.20	-5.01	Peak	100	303	P

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



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

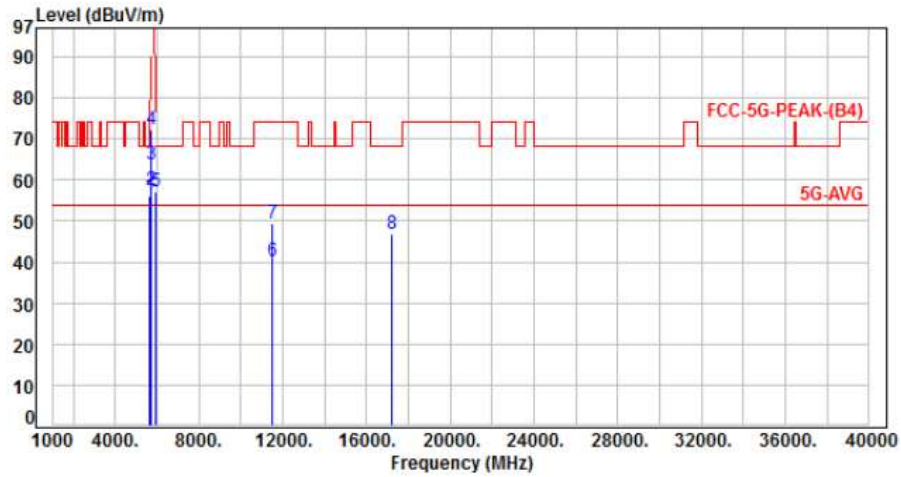


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-11.38	69.14	57.76	68.20	-10.44	Peak	100	98	P
2	5700.00	-11.48	69.58	58.10	105.20	-47.10	Peak	100	98	P
3	5720.00	-11.48	78.45	66.97	110.80	-43.83	Peak	100	98	P
4	5725.00	-11.48	92.40	80.92	122.20	-41.28	Peak	100	98	P
5	5925.00	-11.19	69.06	57.87	68.20	-10.33	Peak	100	98	P
6	11490.00	-4.36	47.74	43.38	54.00	-10.62	Average	374	186	P
7	11490.00	-4.36	54.10	49.74	74.00	-24.26	Peak	374	186	P
8	17235.00	4.27	42.99	47.26	68.20	-20.94	Peak	100	255	P

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



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

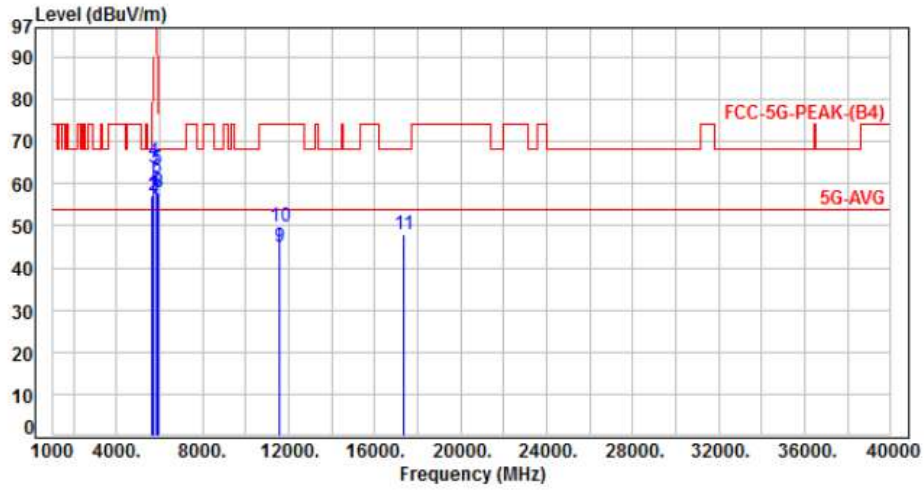


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-11.38	67.57	56.19	68.20	-12.01	Peak	124	170	P
2	5700.00	-11.48	68.86	57.38	105.20	-47.82	Peak	124	170	P
3	5720.00	-11.48	75.12	63.64	110.80	-47.16	Peak	124	170	P
4	5725.00	-11.48	83.82	72.34	122.20	-49.86	Peak	124	170	P
5	5925.00	-11.19	68.51	57.32	68.20	-10.88	Peak	124	170	P
6	11490.00	-4.36	44.70	40.34	54.00	-13.66	Average	100	168	P
7	11490.00	-4.36	53.90	49.54	74.00	-24.46	Peak	100	168	P
8	17235.00	4.27	42.55	46.82	68.20	-21.38	Peak	100	336	P

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



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

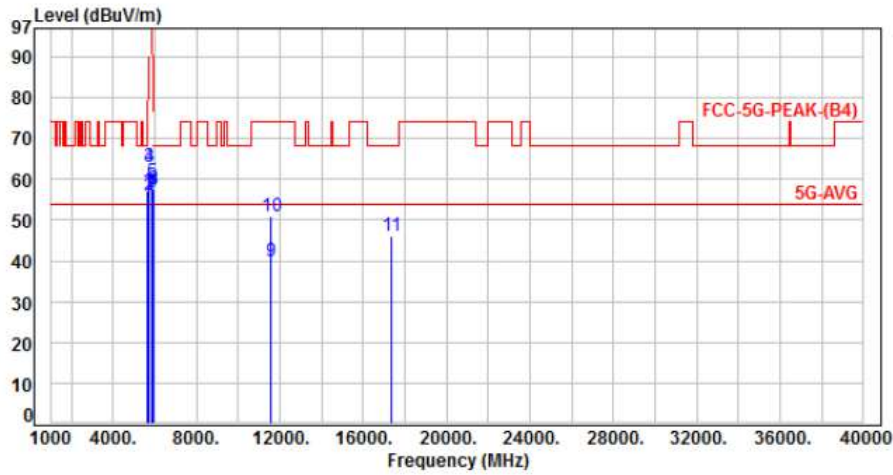


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-11.38	68.69	57.31	68.20	-10.89	Peak	100	101	P
2	5700.00	-11.48	68.72	57.24	105.20	-47.96	Peak	100	101	P
3	5720.00	-11.48	75.43	63.95	110.80	-46.85	Peak	100	101	P
4	5725.00	-11.48	76.62	65.14	122.20	-57.06	Peak	100	101	P
5	5850.00	-11.38	74.69	63.31	122.20	-58.89	Peak	100	101	P
6	5855.00	-11.36	72.43	61.07	110.80	-49.73	Peak	100	101	P
7	5875.00	-11.28	67.66	56.38	105.20	-48.82	Peak	100	101	P
8	5925.00	-11.19	68.97	57.78	68.20	-10.42	Peak	100	101	P
9	11570.00	-4.05	49.20	45.15	54.00	-8.85	Average	360	193	P
10	11570.00	-4.05	53.75	49.70	74.00	-24.30	Peak	360	193	P
11	17355.00	4.87	43.25	48.12	68.20	-20.08	Peak	100	248	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		:

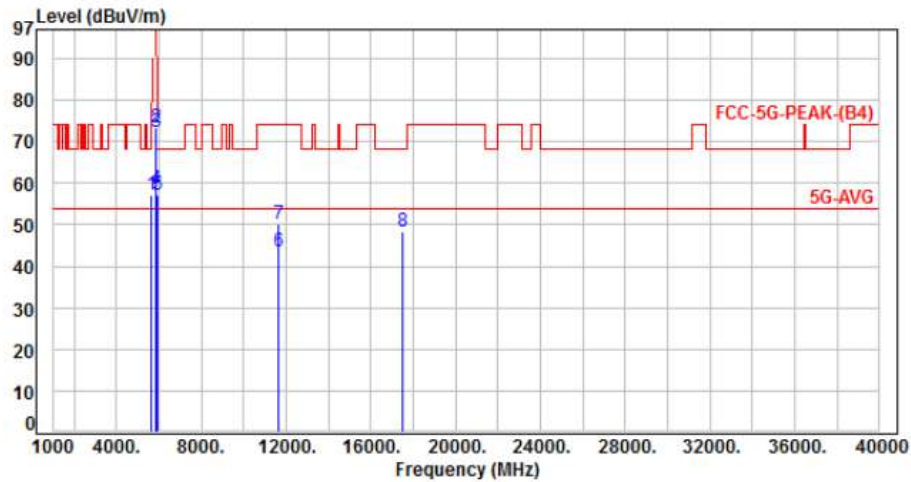


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-11.38	68.60	57.22	68.20	-10.98	Peak	112	172	P
2	5700.00	-11.48	67.46	55.98	105.20	-49.22	Peak	112	172	P
3	5720.00	-11.48	74.71	63.23	110.80	-47.57	Peak	112	172	P
4	5725.00	-11.48	74.46	62.98	122.20	-59.22	Peak	112	172	P
5	5850.00	-11.38	70.69	59.31	122.20	-62.89	Peak	112	172	P
6	5855.00	-11.36	68.25	56.89	110.80	-53.91	Peak	112	172	P
7	5875.00	-11.28	67.34	56.06	105.20	-49.14	Peak	112	172	P
8	5925.00	-11.19	68.55	57.36	68.20	-10.84	Peak	112	172	P
9	11570.00	-4.05	43.92	39.87	54.00	-14.13	Average	100	170	P
10	11570.00	-4.05	54.88	50.83	74.00	-23.17	Peak	100	170	P
11	17355.00	4.87	41.39	46.26	68.20	-21.94	Peak	100	327	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		:

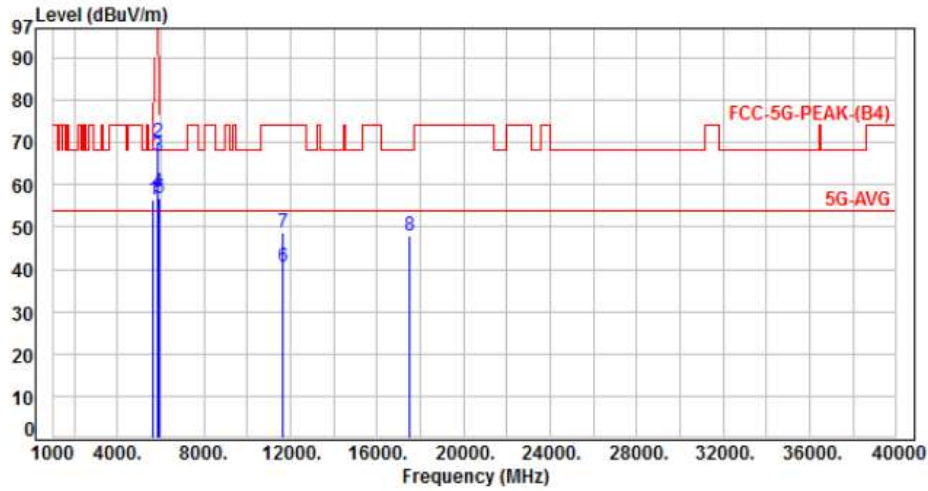


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-11.38	68.45	57.07	68.20	-11.13	Peak	100	102	P
2	5850.00	-11.38	84.82	73.44	122.20	-48.76	Peak	100	102	P
3	5855.00	-11.36	83.60	72.24	110.80	-38.56	Peak	100	102	P
4	5875.00	-11.28	69.96	58.68	105.20	-46.52	Peak	100	102	P
5	5925.00	-11.19	68.40	57.21	68.20	-10.99	Peak	100	102	P
6	11650.00	-3.87	47.38	43.51	54.00	-10.49	Average	370	184	P
7	11650.00	-3.87	53.86	49.99	74.00	-24.01	Peak	370	184	P
8	17475.00	5.68	42.73	48.41	68.20	-19.79	Peak	100	268	P

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



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

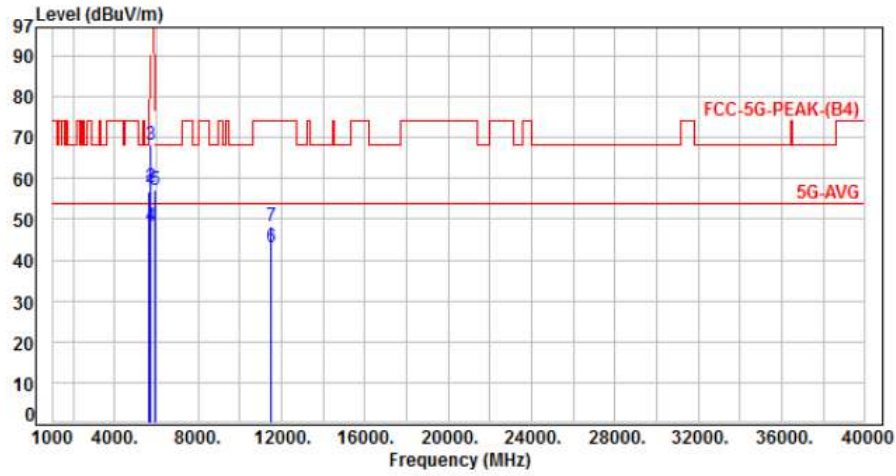


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-11.38	67.79	56.41	68.20	-11.79	Peak	124	169	P
2	5850.00	-11.38	81.46	70.08	122.20	-52.12	Peak	124	169	P
3	5855.00	-11.36	78.06	66.70	110.80	-44.10	Peak	124	169	P
4	5875.00	-11.28	69.46	58.18	105.20	-47.02	Peak	124	169	P
5	5925.00	-11.19	67.94	56.75	68.20	-11.45	Peak	124	169	P
6	11650.00	-3.87	44.39	40.52	54.00	-13.48	Average	100	165	P
7	11650.00	-3.87	52.48	48.61	74.00	-25.39	Peak	100	165	P
8	17475.00	5.68	42.38	48.06	68.20	-20.14	Peak	100	333	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, CH149		:

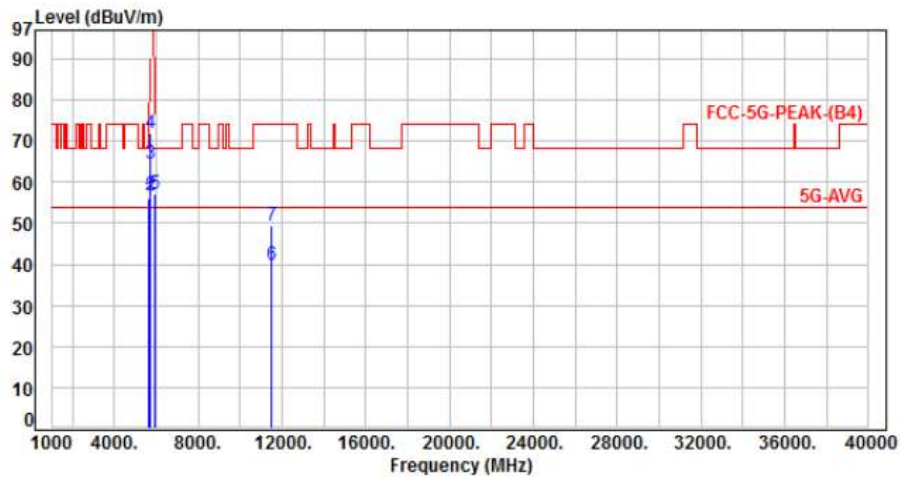


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-11.38	68.05	56.67	68.20	-11.53	Peak	100	102	P
2	5700.00	-11.48	69.31	57.83	105.20	-47.37	Peak	100	102	P
3	5720.00	-11.48	79.66	68.18	110.80	-42.62	Peak	100	102	P
4	5725.00	-11.48	59.88	48.40	122.20	-73.80	Peak	100	102	P
5	5925.00	-11.19	68.47	57.28	68.20	-10.92	Peak	100	102	P
6	11490.00	-4.36	47.57	43.21	54.00	-10.79	Average	393	197	P
7	11490.00	-4.36	52.70	48.34	74.00	-25.66	Peak	393	197	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		:

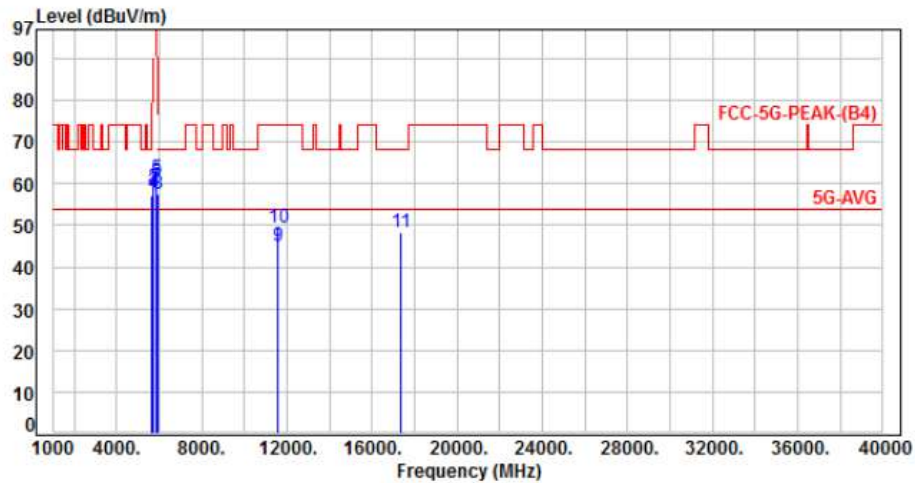


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-11.38	67.42	56.04	68.20	-12.16	Peak	121	166	P
2	5700.00	-11.48	68.34	56.86	105.20	-48.34	Peak	121	166	P
3	5720.00	-11.48	75.89	64.41	110.80	-46.39	Peak	121	166	P
4	5725.00	-11.48	83.55	72.07	122.20	-50.13	Peak	121	166	P
5	5925.00	-11.19	68.20	57.01	68.20	-11.19	Peak	121	166	P
6	11490.00	-4.36	44.35	39.99	54.00	-14.01	Average	100	167	P
7	11490.00	-4.36	53.77	49.41	74.00	-24.59	Peak	100	167	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		:

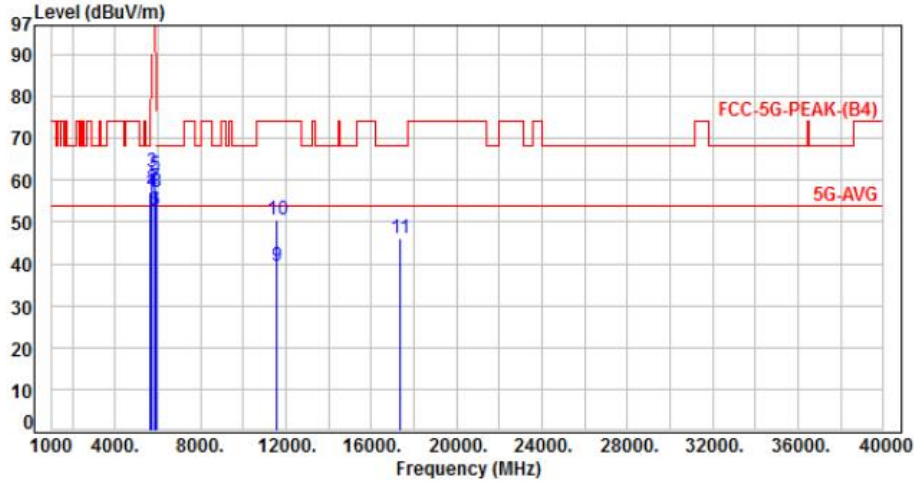


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-11.38	68.53	57.15	68.20	-11.05	Peak	100	98	P
2	5700.00	-11.48	69.77	58.29	105.20	-46.91	Peak	100	98	P
3	5720.00	-11.48	70.38	58.90	110.80	-51.90	Peak	100	98	P
4	5725.00	-11.48	69.36	57.88	122.20	-64.32	Peak	100	98	P
5	5850.00	-11.38	72.47	61.09	122.20	-61.11	Peak	100	98	P
6	5855.00	-11.36	71.83	60.47	110.80	-50.33	Peak	100	98	P
7	5875.00	-11.28	70.19	58.91	105.20	-46.29	Peak	100	98	P
8	5925.00	-11.19	68.66	57.47	68.20	-10.73	Peak	100	98	P
9	11570.00	-4.05	48.95	44.90	54.00	-9.10	Average	364	189	P
10	11570.00	-4.05	53.59	49.54	74.00	-24.46	Peak	364	189	P
11	17355.00	4.87	43.58	48.45	68.20	-19.75	Peak	100	251	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		:

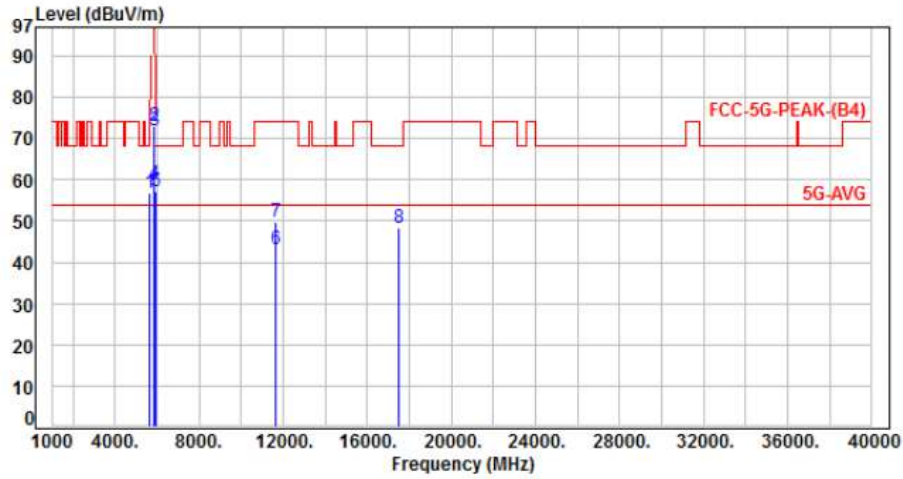


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-11.38	68.39	57.01	68.20	-11.19	Peak	116	170	P
2	5700.00	-11.48	69.29	57.81	105.20	-47.39	Peak	116	170	P
3	5720.00	-11.48	73.61	62.13	110.80	-48.67	Peak	116	170	P
4	5725.00	-11.48	68.47	56.99	122.20	-65.21	Peak	116	170	P
5	5850.00	-11.38	72.52	61.14	122.20	-61.06	Peak	116	170	P
6	5855.00	-11.36	63.92	52.56	110.80	-58.24	Peak	116	170	P
7	5875.00	-11.28	69.48	58.20	105.20	-47.00	Peak	116	170	P
8	5925.00	-11.19	68.42	57.23	68.20	-10.97	Peak	116	170	P
9	11570.00	-4.05	43.66	39.61	54.00	-14.39	Average	100	167	P
10	11570.00	-4.05	54.59	50.54	74.00	-23.46	Peak	100	167	P
11	17355.00	4.87	41.32	46.19	68.20	-22.01	Peak	100	320	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		:

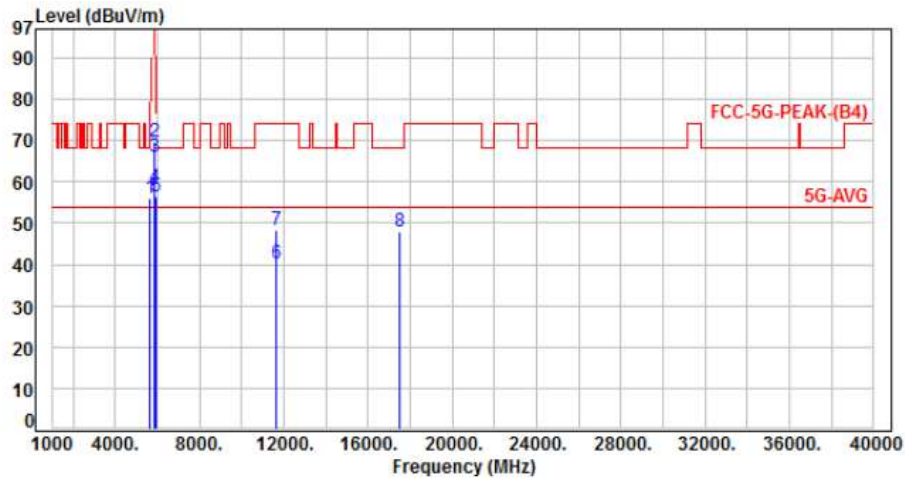


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-11.38	68.31	56.93	68.20	-11.27	Peak	100	99	P
2	5850.00	-11.38	84.42	73.04	122.20	-49.16	Peak	100	99	P
3	5855.00	-11.36	83.44	72.08	110.80	-38.72	Peak	100	99	P
4	5875.00	-11.28	70.21	58.93	105.20	-46.27	Peak	100	99	P
5	5925.00	-11.19	68.22	57.03	68.20	-11.17	Peak	100	99	P
6	11650.00	-3.87	47.14	43.27	54.00	-10.73	Average	375	181	P
7	11650.00	-3.87	53.54	49.67	74.00	-24.33	Peak	375	181	P
8	17475.00	5.68	42.58	48.26	68.20	-19.94	Peak	100	278	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		:

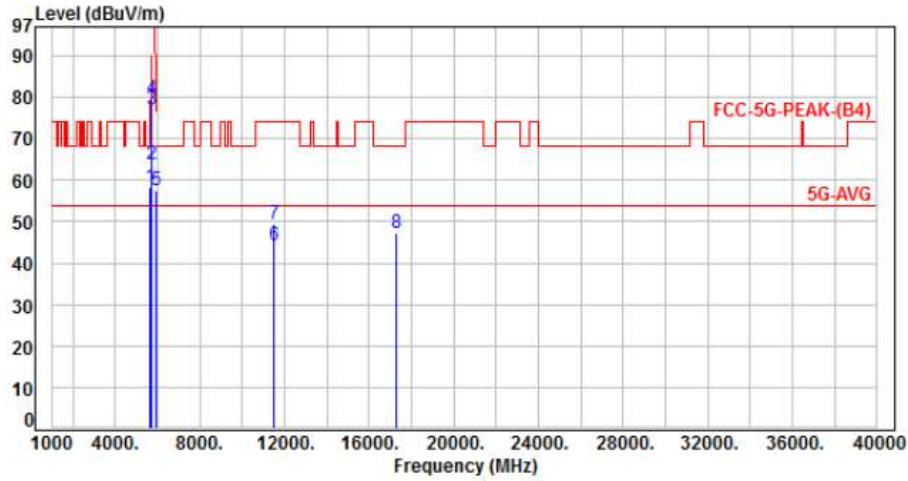


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-11.38	67.59	56.21	68.20	-11.99	Peak	122	171	P
2	5850.00	-11.38	81.06	69.68	122.20	-52.52	Peak	122	171	P
3	5855.00	-11.36	77.49	66.13	110.80	-44.67	Peak	122	171	P
4	5875.00	-11.28	69.83	58.55	105.20	-46.65	Peak	122	171	P
5	5925.00	-11.19	67.58	56.39	68.20	-11.81	Peak	122	171	P
6	11650.00	-3.87	44.08	40.21	54.00	-13.79	Average	100	168	P
7	11650.00	-3.87	52.19	48.32	74.00	-25.68	Peak	100	168	P
8	17475.00	5.68	42.31	47.99	68.20	-20.21	Peak	100	331	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		:

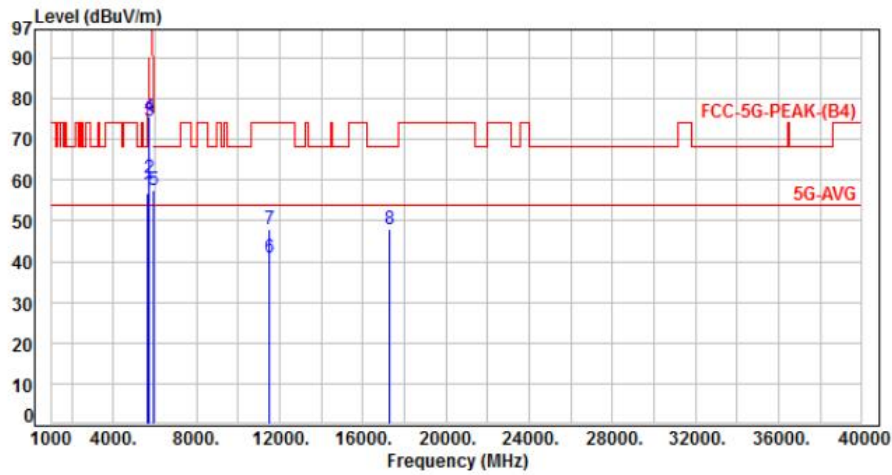


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-11.38	69.60	58.22	68.20	-9.98	Peak	100	102	P
2	5700.00	-11.48	75.30	63.82	105.20	-41.38	Peak	100	102	P
3	5720.00	-11.48	88.72	77.24	110.80	-33.56	Peak	100	102	P
4	5725.00	-11.48	91.30	79.82	122.20	-42.38	Peak	100	102	P
5	5925.00	-11.19	68.65	57.46	68.20	-10.74	Peak	100	102	P
6	11510.00	-4.31	48.60	44.29	54.00	-9.71	Average	398	181	P
7	11510.00	-4.31	53.60	49.29	74.00	-24.71	Peak	398	181	P
8	17265.00	4.40	42.86	47.26	68.20	-20.94	Peak	100	271	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		:

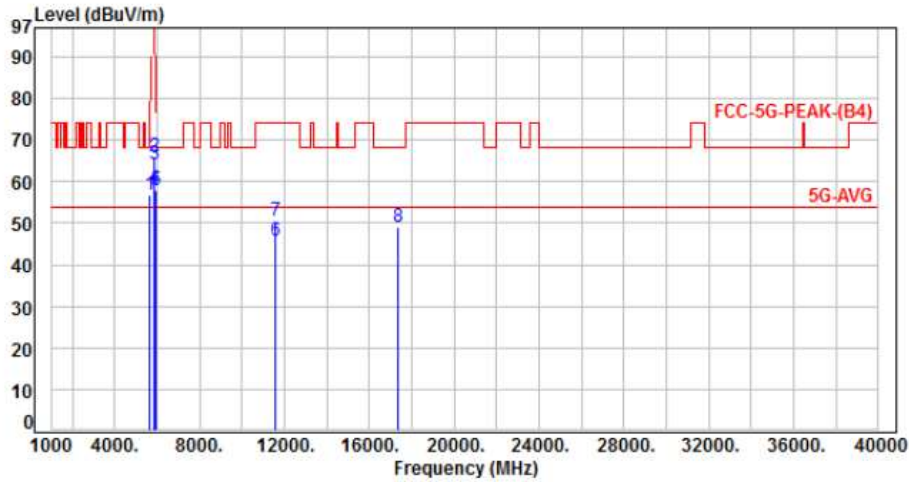


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-11.38	68.35	56.97	68.20	-11.23	Peak	110	171	P
2	5700.00	-11.48	72.02	60.54	105.20	-44.66	Peak	110	171	P
3	5720.00	-11.48	85.90	74.42	110.80	-36.38	Peak	110	171	P
4	5725.00	-11.48	87.15	75.67	122.20	-46.53	Peak	110	171	P
5	5925.00	-11.19	68.91	57.72	68.20	-10.48	Peak	110	171	P
6	11510.00	-4.31	45.14	40.83	54.00	-13.17	Average	100	169	P
7	11510.00	-4.31	52.08	47.77	74.00	-26.23	Peak	100	169	P
8	17265.00	4.40	43.60	48.00	68.20	-20.20	Peak	100	325	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		

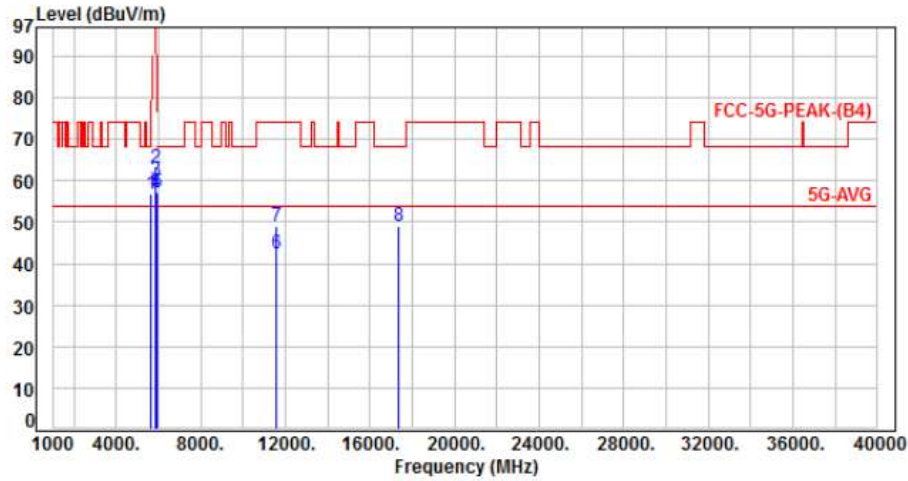


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-11.38	68.33	56.95	68.20	-11.25	Peak	100	100	P
2	5850.00	-11.38	77.23	65.85	122.20	-56.35	Peak	100	100	P
3	5855.00	-11.36	75.69	64.33	110.80	-46.47	Peak	100	100	P
4	5875.00	-11.28	69.50	58.22	105.20	-46.98	Peak	100	100	P
5	5925.00	-11.19	69.18	57.99	68.20	-10.21	Peak	100	100	P
6	11590.00	-3.97	49.75	45.78	54.00	-8.22	Average	396	180	P
7	11590.00	-3.97	54.35	50.38	74.00	-23.62	Peak	396	180	P
8	17385.00	5.05	44.13	49.18	68.20	-19.02	Peak	100	275	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		:

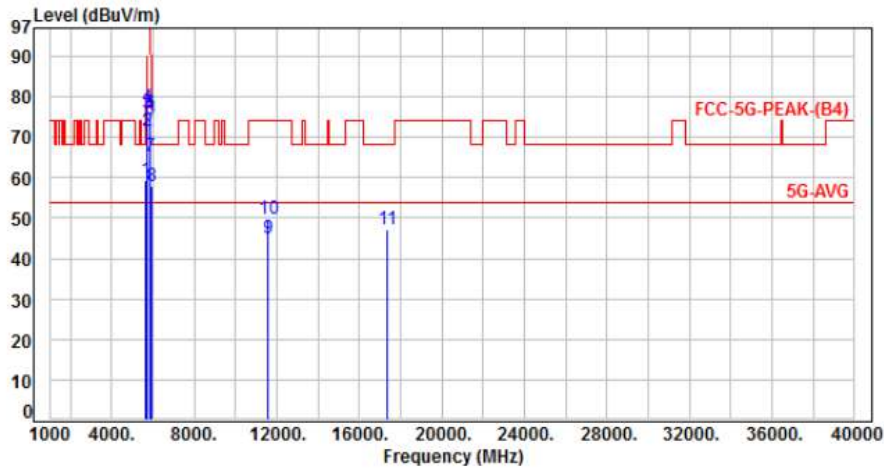


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-11.38	68.05	56.67	68.20	-11.53	Peak	122	169	P
2	5850.00	-11.38	74.48	63.10	122.20	-59.10	Peak	122	169	P
3	5855.00	-11.36	71.40	60.04	110.80	-50.76	Peak	122	169	P
4	5875.00	-11.28	68.40	57.12	105.20	-48.08	Peak	122	169	P
5	5925.00	-11.19	68.51	57.32	68.20	-10.88	Peak	122	169	P
6	11590.00	-3.97	46.29	42.32	54.00	-11.68	Average	100	167	P
7	11590.00	-3.97	52.88	48.91	74.00	-25.09	Peak	100	167	P
8	17385.00	5.05	43.94	48.99	68.20	-19.21	Peak	100	167	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		:

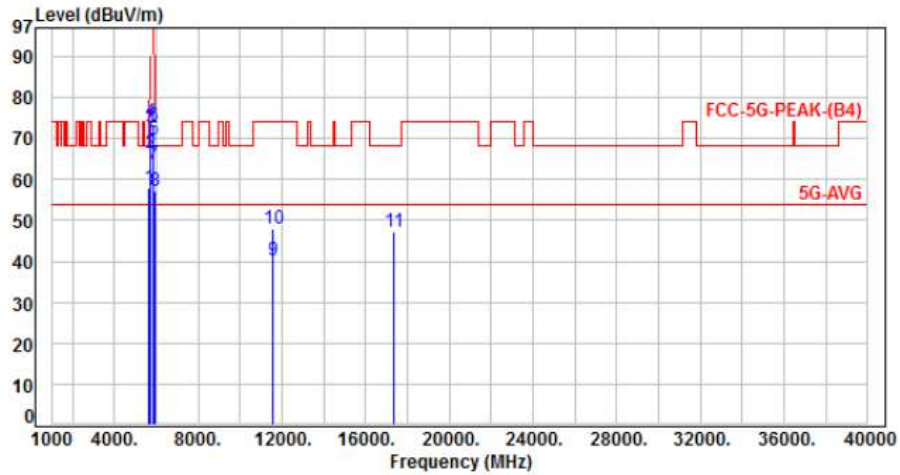


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	-11.38	70.80	59.42	68.20	-8.78	Peak	100	104	P
2	5700.00	-11.48	82.86	71.38	105.20	-33.82	Peak	100	104	P
3	5720.00	-11.48	87.63	76.15	110.80	-34.65	Peak	100	104	P
4	5725.00	-11.48	88.92	77.44	122.20	-44.76	Peak	100	104	P
5	5850.00	-11.38	85.91	74.53	122.20	-47.67	Peak	100	104	P
6	5855.00	-11.36	87.45	76.09	110.80	-34.71	Peak	100	104	P
7	5875.00	-11.28	76.50	65.22	105.20	-39.98	Peak	100	104	P
8	5925.00	-11.19	69.27	58.08	68.20	-10.12	Peak	100	104	P
9	11550.00	-4.14	49.06	44.92	54.00	-9.08	Average	396	196	P
10	11550.00	-4.14	53.96	49.82	74.00	-24.18	Peak	396	196	P
11	17325.00	4.68	42.51	47.19	68.20	-21.01	Peak	100	276	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	-11.38	69.30	57.92	68.20	-10.28	Peak	112	168	P
2	5700.00	-11.48	77.70	66.22	105.20	-38.98	Peak	112	168	P
3	5720.00	-11.48	84.23	72.75	110.80	-38.05	Peak	112	168	P
4	5725.00	-11.48	85.60	74.12	122.20	-48.08	Peak	112	168	P
5	5850.00	-11.38	81.12	69.74	122.20	-52.46	Peak	112	168	P
6	5855.00	-11.36	84.35	72.99	110.80	-37.81	Peak	112	168	P
7	5875.00	-11.28	75.03	63.75	105.20	-41.45	Peak	112	168	P
8	5925.00	-11.19	68.31	57.12	68.20	-11.08	Peak	112	168	P
9	11550.00	-4.14	44.52	40.38	54.00	-13.62	Average	118	169	P
10	11550.00	-4.14	51.93	47.79	74.00	-26.21	Peak	118	169	P
11	17325.00	4.68	42.57	47.25	68.20	-20.95	Peak	100	322	P

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



6.7. Restricted Bands of Operation

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

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

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



7. On Time, Duty Cycle and Measurement methods

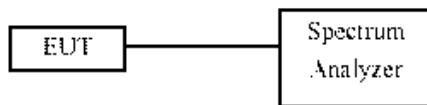
7.1. Test Limit

None; for reporting purposes only.

7.2. Test Procedure

KDB 789033 Zero-Span Spectrum Analyzer Method.

7.3. Test Setup Layout



7.4. Test Result and Data

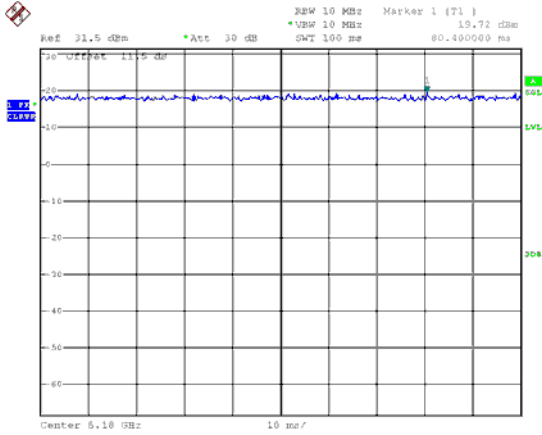
Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
802.11a,6M	100.00	100.00	100.00%
802.11n HT20	100.00	100.00	100.00%
802.11n HT40	100.00	100.00	100.00%
802.11ac VHT20	100.00	100.00	100.00%
802.11ac VHT40	100.00	100.00	100.00%
802.11ac VHT80	100.00	100.00	100.00%

7.5. Measurement Methods

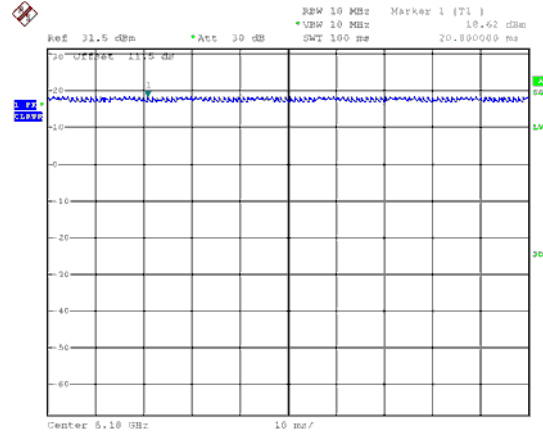
26 dB and 6dB Emission BW	KDB 789033 D02 v02r01, Section C
99% Occupied BW	KDB 789033 D02 v02r01, Section D
Conducted Output Power	KDB 789033 D02 v02r01, Section E.2.d and E.3.b (Method PM-G)
Power Spectral Density	KDB 789033 D02 v02r01, Section F
Unwanted emissions in restricted bands	KDB 789033 D02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



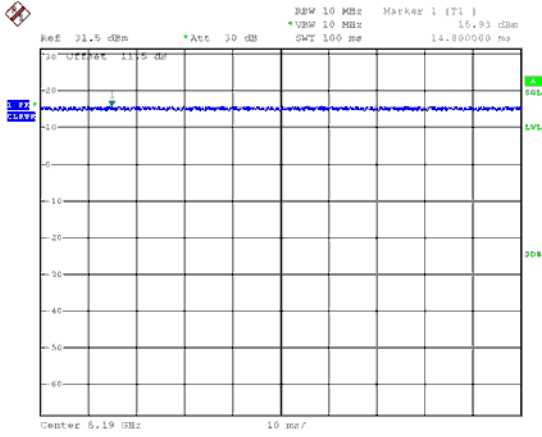
Modulation Type: 802.11a (6Mbps)



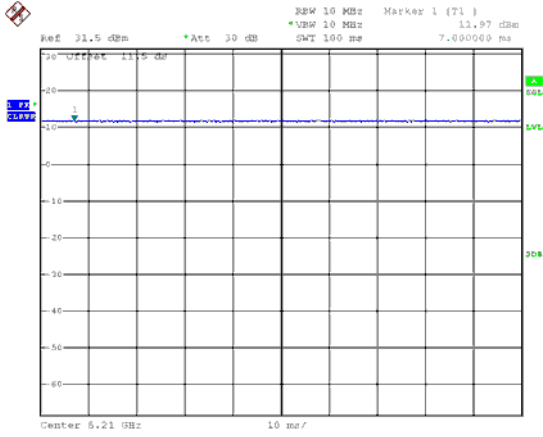
Modulation Type: 802.11ac VHT20 (6.5Mbps)



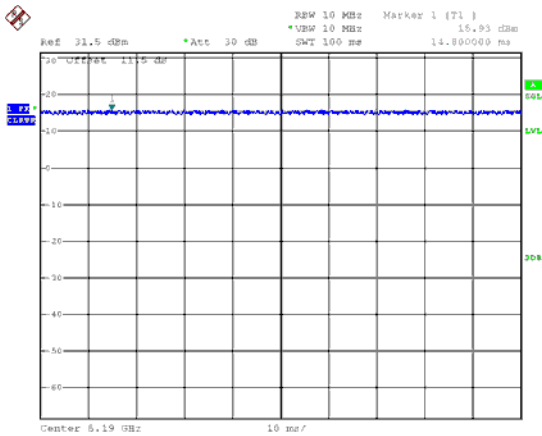
Modulation Type: 802.11ac VHT40 (13.5Mbps)



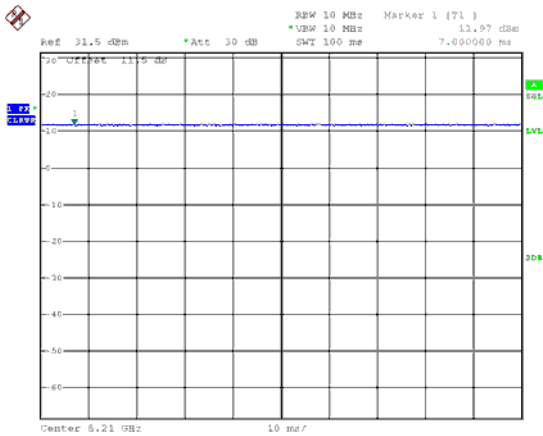
Modulation Type: 802.11ac VHT80 (29.3Mbps)



Modulation Type: 802.11n HT20 (6.5Mbps)



Modulation Type: 802.11n HT40 (13.5Mbps)





8. 6dB Bandwidth & 99% Occupied Bandwidth

8.1. Test Limit

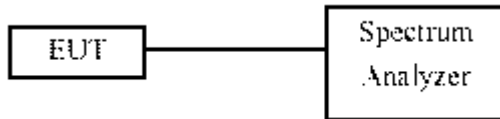
FCC §15.407

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

8.2. Test Procedure

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

8.3. Test Setup Layout



8.4. Test Result and Data (6dB Bandwidth)

In the 5.8G Band

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)
			ANT A	
11a	149	5745	16.30	0.50
11a	157	5785	16.35	0.50
11a	165	5825	16.30	0.50
11ac VHT20	149	5745	17.60	0.50
11ac VHT20	157	5785	17.60	0.50
11ac VHT20	165	5825	17.60	0.50
11ac VHT40	151	5755	35.20	0.50
11ac VHT40	159	5795	35.20	0.50
11ac VHT80	155	5775	73.92	0.50



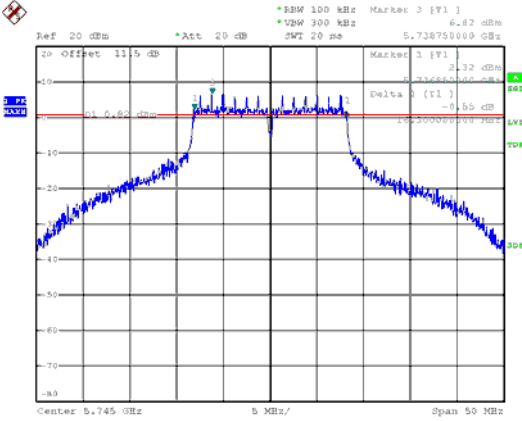
8.5. Test Result and Data (99% Occupied Bandwidth)

In the 5.8G Band

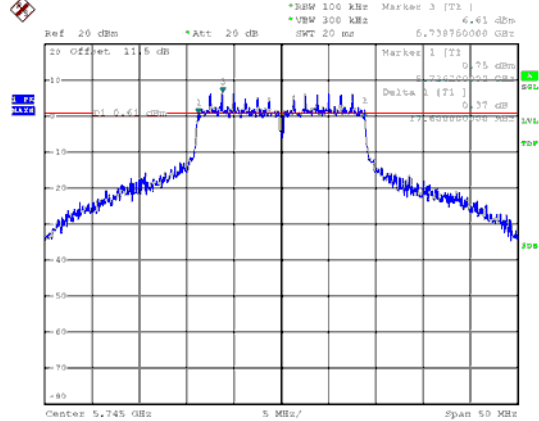
Modulation Type	Channel	Frequency (MHz)	99% Bandwidth (MHz)
			ANT A
11a	149	5745	19.65
11a	157	5785	19.65
11a	165	5825	20.30
11ac VHT20	149	5745	20.60
11ac VHT20	157	5785	20.50
11ac VHT20	165	5825	21.15
11ac VHT40	151	5755	38.60
11ac VHT40	159	5795	38.90
11ac VHT80	155	5775	76.16



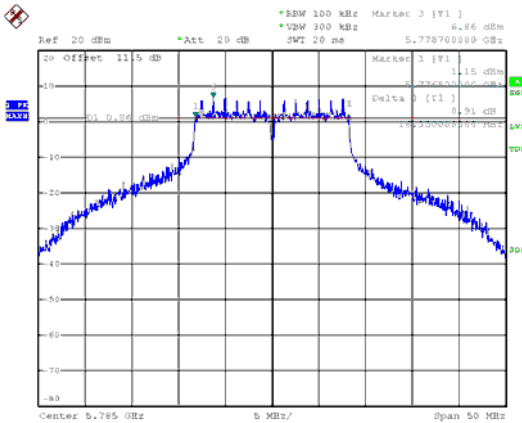
6dB Bandwidth
ANT A
Modulation Type: 802.11a (6Mbps)
CH149



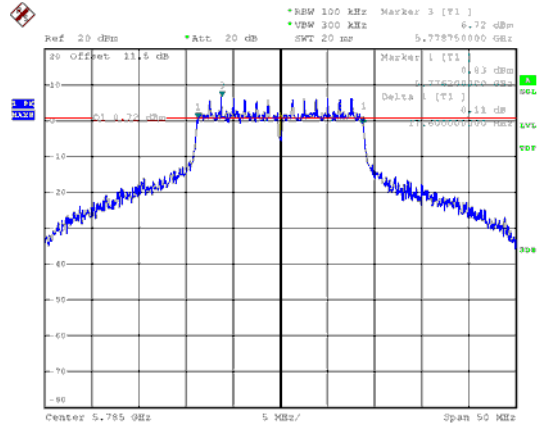
Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH149



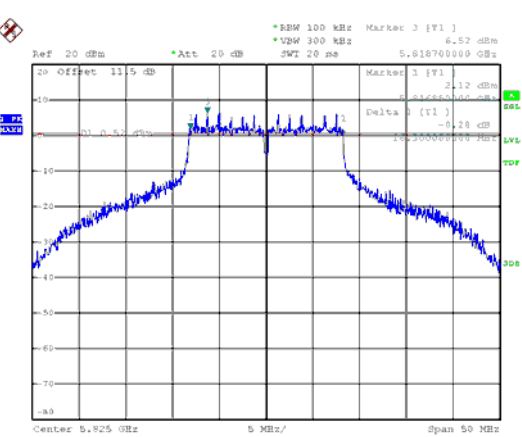
CH157



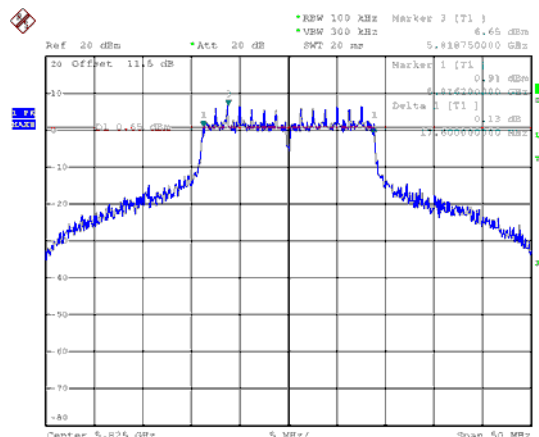
CH157



CH165

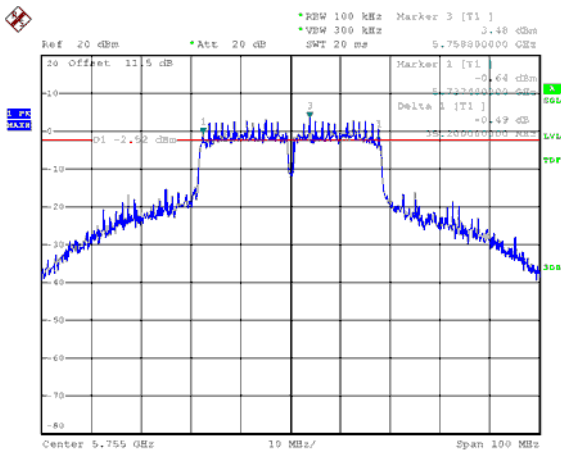


CH165

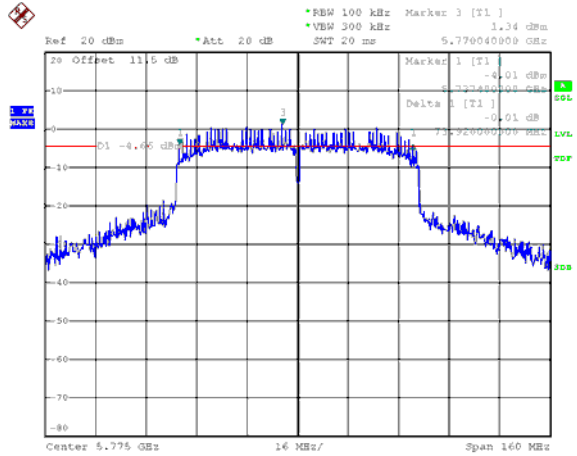




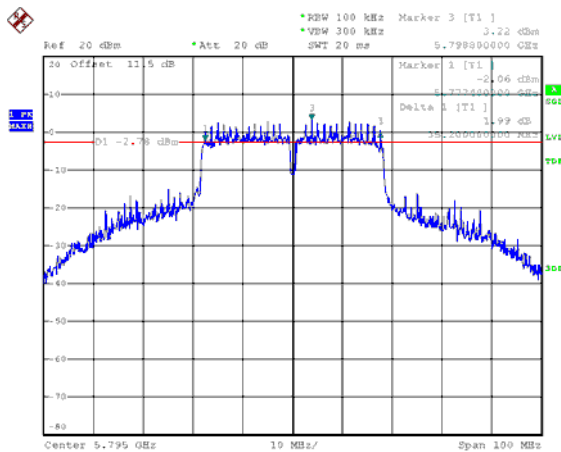
Modulation Type: 802.11ac, VHT40 (13.5Mbps)
CH151



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



CH159



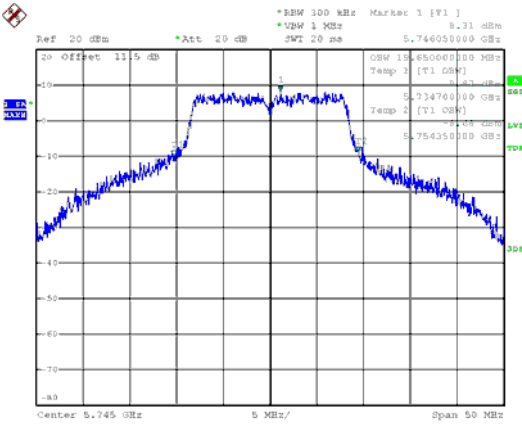


99% Occupied Bandwidth

ANT A

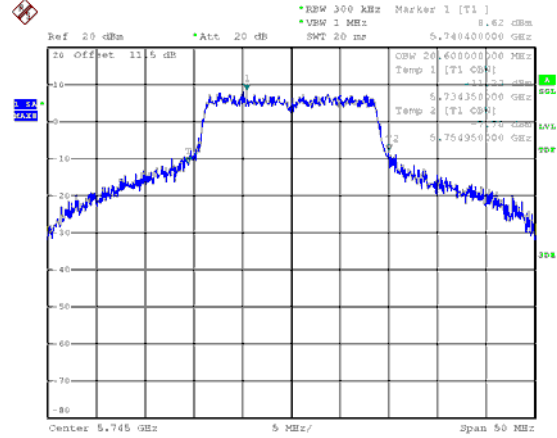
Modulation Type: 802.11a (6Mbps)

CH149

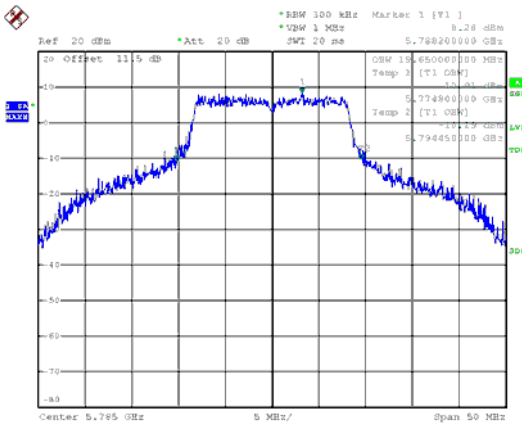


Modulation Type: 802.11ac, VHT20 (6.5Mbps)

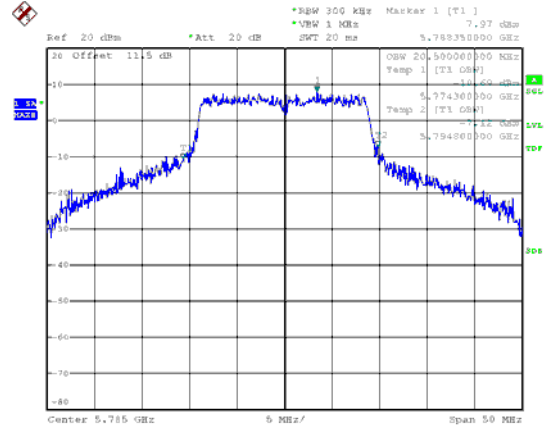
CH149



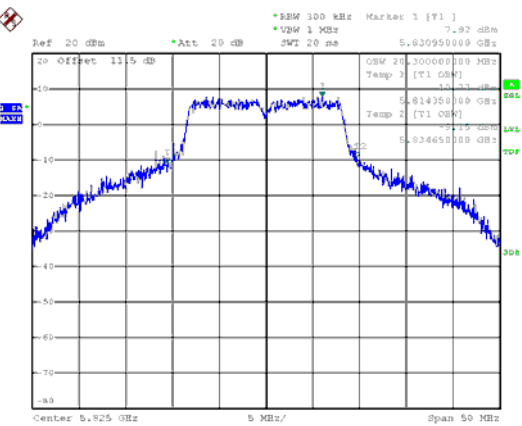
CH157



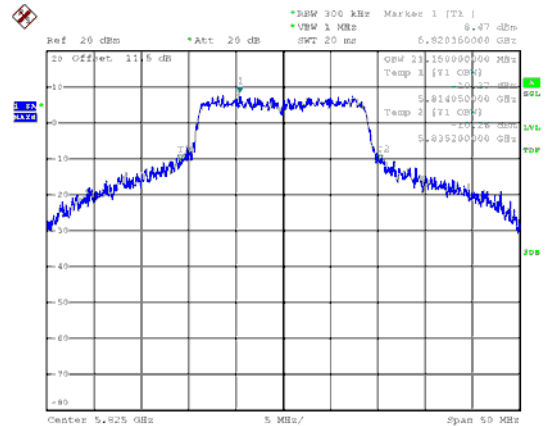
CH157



CH165

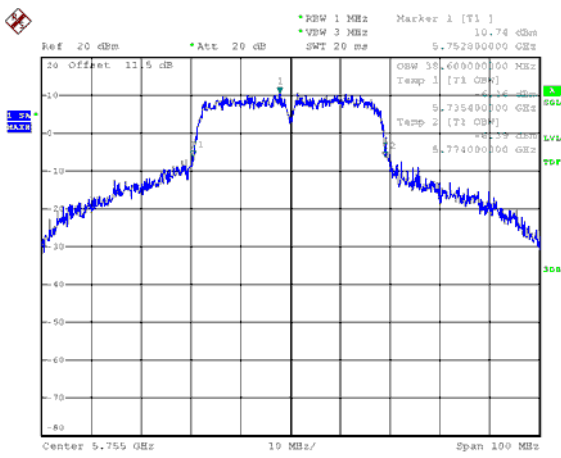


CH165

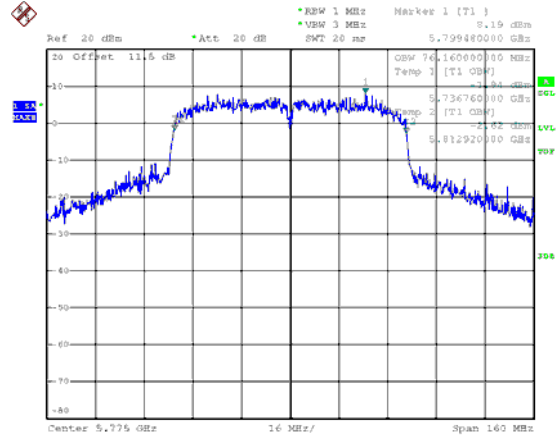




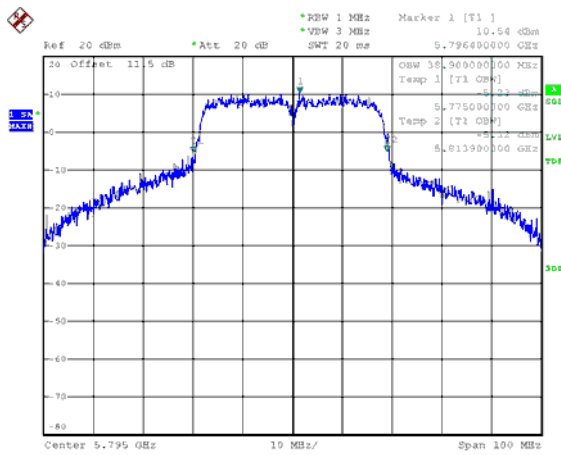
Modulation Type: 802.11ac, VHT40 (13.5Mbps) CH151



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



CH159





9. 26dB Bandwidth & 99% Occupied Bandwidth

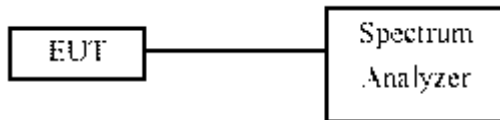
9.1. Test Limit

None; for reporting purposes only.

9.2. Test Procedure

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

9.3. Test Setup Layout



**9.4. Test Result and Data (26dB Bandwidth)**

In the 5.2G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT A
11a	36	5180	27.40
11a	40	5200	27.60
11a	48	5240	28.70
11ac VHT20	36	5180	27.05
11ac VHT20	40	5200	30.15
11ac VHT20	48	5240	30.10
11ac VHT40	38	5190	53.10
11ac VHT40	46	5230	54.70
11ac VHT80	42	5210	101.60

In the 5.3G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT A
11a	52	5260	28.15
11a	60	5300	30.55
11a	64	5320	29.40
11ac VHT20	52	5260	30.15
11ac VHT20	60	5300	30.00
11ac VHT20	64	5320	30.25
11ac VHT40	54	5270	59.60
11ac VHT40	62	5310	61.90
11ac VHT80	58	5290	108.32

In the 5.5G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT A
11a	100	5500	29.20
11a	120	5600	32.25
11a	140	5700	32.95
11ac VHT20	100	5500	30.10
11ac VHT20	120	5600	34.35
11ac VHT20	140	5700	34.40
11ac VHT40	102	5510	61.90
11ac VHT40	118	5590	68.90
11ac VHT40	134	5670	69.20
11ac VHT80	106	5530	113.28
11ac VHT80	122	5610	112.48



Within 5470-5725MHz Band, Straddle Channel

Modulation Type	Data Rate / MCS	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT A
11a	6 Mbps	5720	23.66
11ac VHT20	NSS1-MCS0	5720	22.82
11ac VHT40	NSS1-MCS0	5710	51.24
11ac VHT80	NSS1-MCS0	5690	94.50

Extends across 5725MHz Band, Straddle Channel

Modulation Type	Data Rate / MCS	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT A
11a	6 Mbps	5720	14.60
11ac VHT20	NSS1-MCS0	5720	13.95
11ac VHT40	NSS1-MCS0	5710	26.38
11ac VHT80	NSS1-MCS0	5690	47.70

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

In the 5.2G Band

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	36	5180	17.65
11a	40	5200	17.70
11a	48	5240	17.75
11ac VHT20	36	5180	18.50
11ac VHT20	40	5200	18.75
11ac VHT20	48	5240	18.70
11ac VHT40	38	5190	37.10
11ac VHT40	46	5230	37.60
11ac VHT80	42	5210	75.52

In the 5.3G Band

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	52	5260	17.95
11a	60	5300	18.15
11a	64	5320	18.20
11ac VHT20	52	5260	18.75
11ac VHT20	60	5300	18.95
11ac VHT20	64	5320	19.05
11ac VHT40	54	5270	37.20
11ac VHT40	62	5310	37.50
11ac VHT80	58	5290	75.68

In the 5.5G Band

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	100	5500	18.00
11a	120	5600	18.70
11a	140	5700	18.90
11ac VHT20	100	5500	18.80
11ac VHT20	120	5600	19.50
11ac VHT20	140	5700	19.85
11ac VHT40	102	5510	37.70
11ac VHT40	118	5590	37.90
11ac VHT40	134	5670	38.40
11ac VHT80	106	5530	75.84
11ac VHT80	122	5610	75.84



Within 5470-5725MHz Band, Straddle Channel

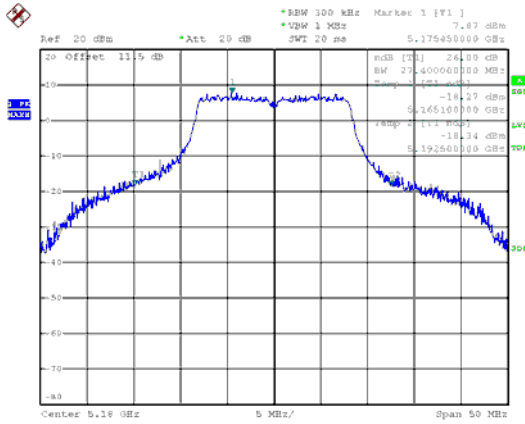
Modulation Type	Data Rate / MCS	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	6 Mbps	5720	15.22
11ac VHT20	NSS1-MCS0	5720	15.90
11ac VHT40	NSS1-MCS0	5710	34.58
11ac VHT80	NSS1-MCS0	5690	72.60

Extends across 5725MHz Band, Straddle Channel

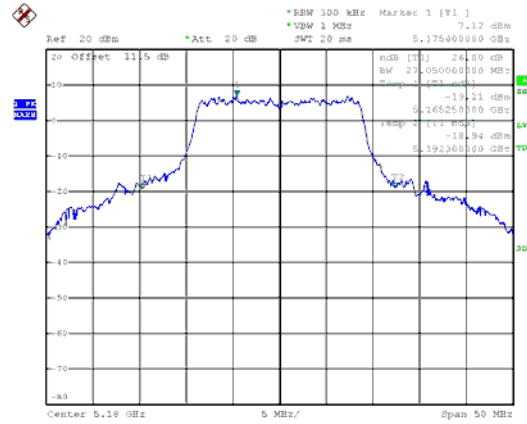
Modulation Type	Data Rate / MCS	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	6 Mbps	5720	9.45
11ac VHT20	NSS1-MCS0	5720	9.33
11ac VHT40	NSS1-MCS0	5710	22.96
11ac VHT80	NSS1-MCS0	5690	45.15



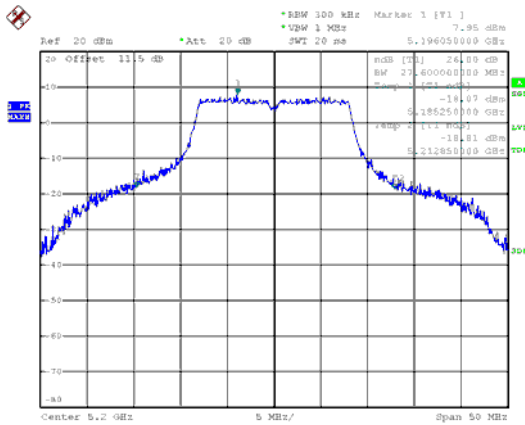
26dB Bandwidth Band 1
Modulation Type: 802.11a (6Mbps)
CH36



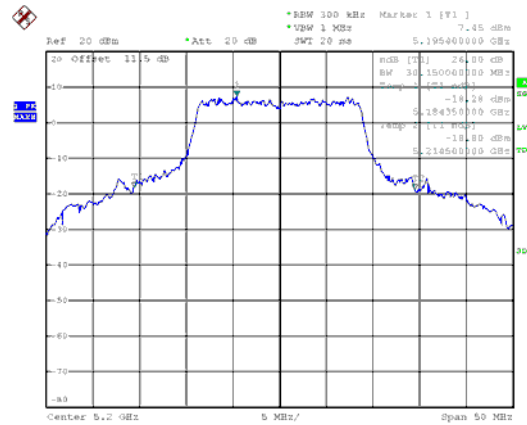
802.11ac VHT20 (6.5Mbps)
CH36



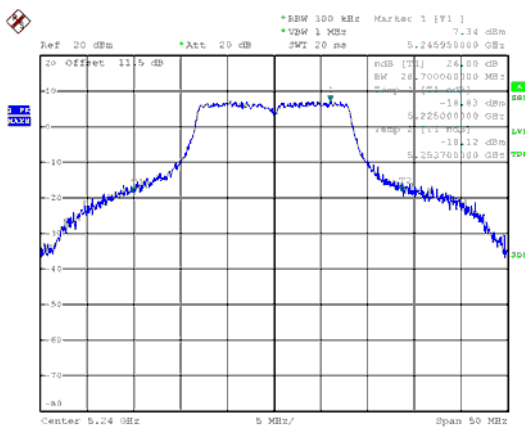
CH40



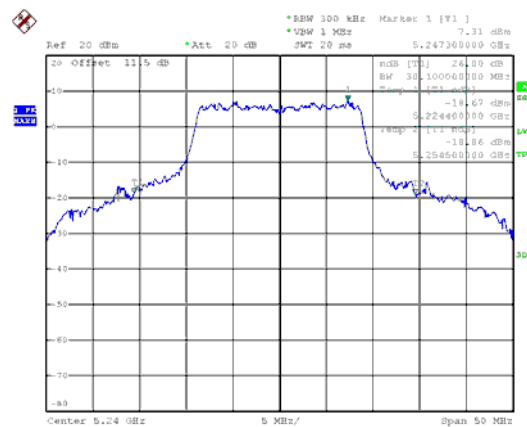
CH40



CH48



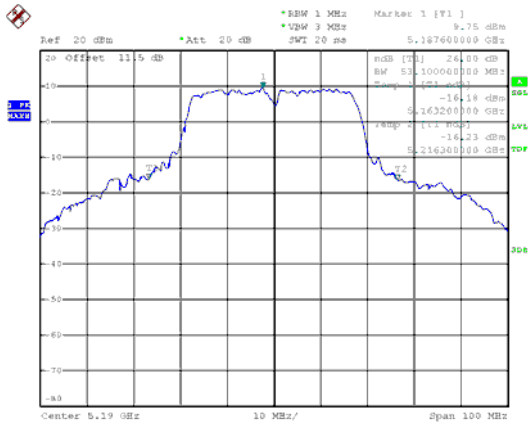
CH48



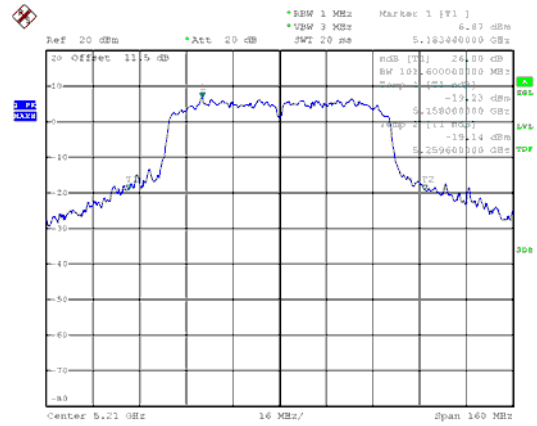


26dB Bandwidth Band 1

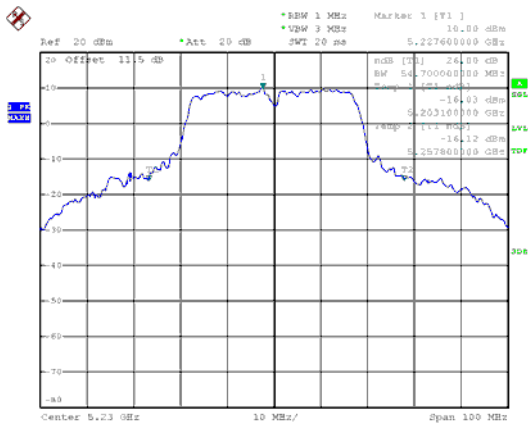
Modulation Type: 802.11ac VHT40 (13.5Mbps) CH38



Modulation Type: 802.11ac VHT80 (29.3Mbps) CH42

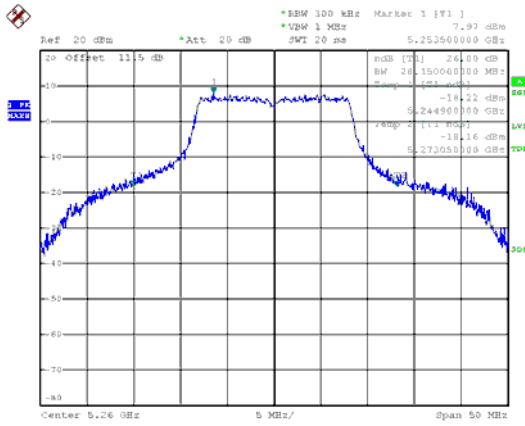


CH46

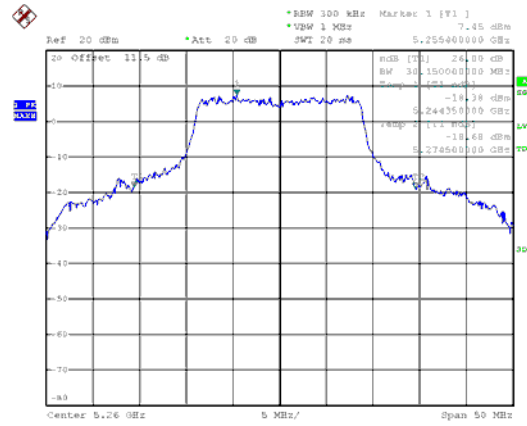




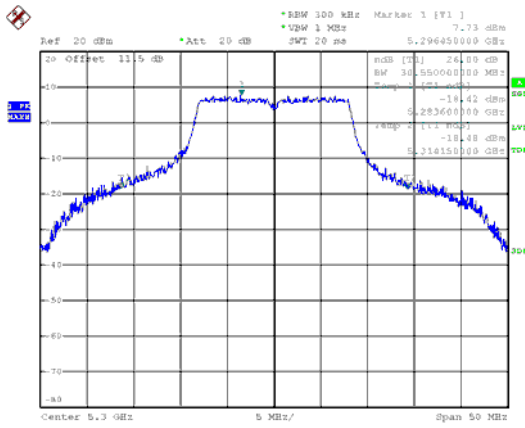
26dB Bandwidth Band 2
Modulation Type: 802.11a (6Mbps)
CH52



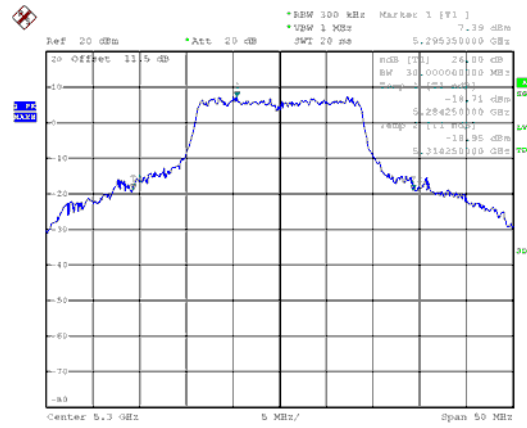
802.11ac VHT20 (6.5Mbps)
CH52



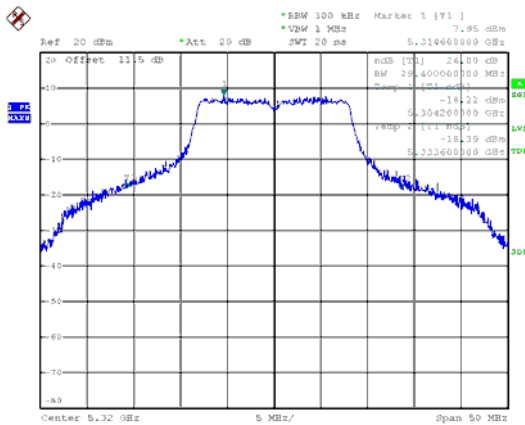
CH60



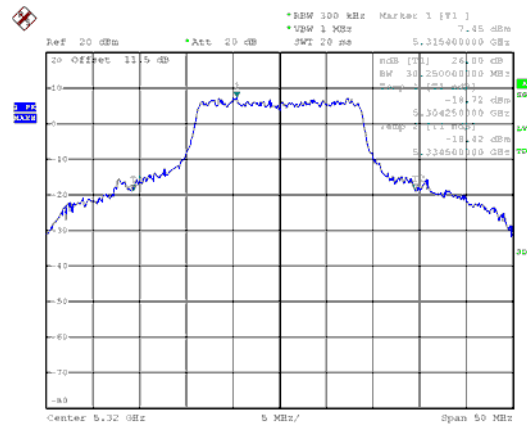
CH60



CH64



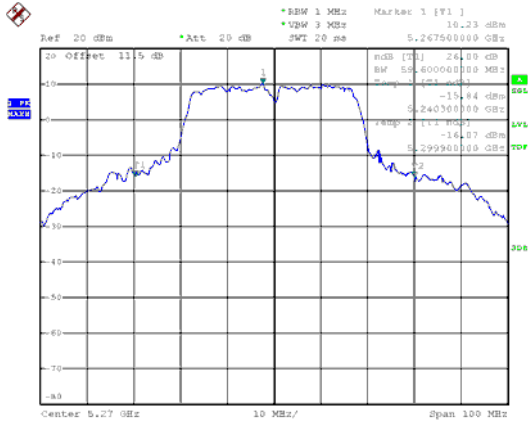
CH64



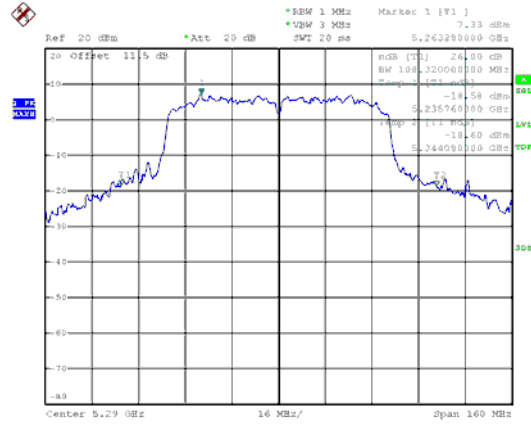


26dB Bandwidth Band 2

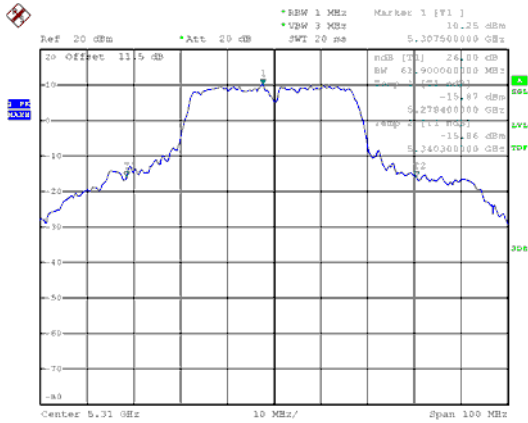
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH54



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH58

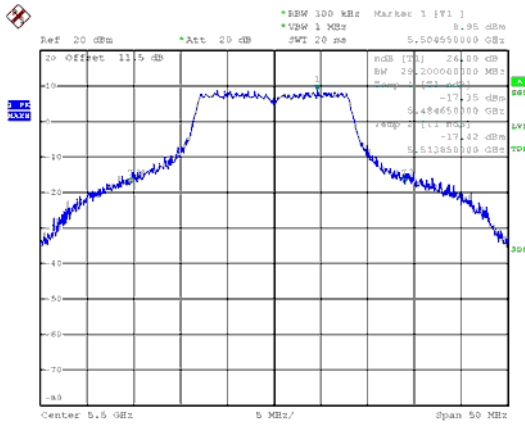


CH62

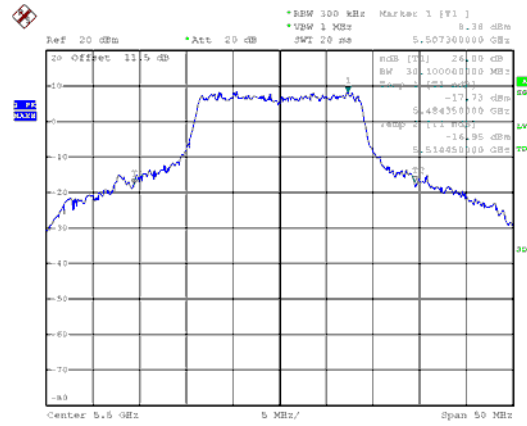




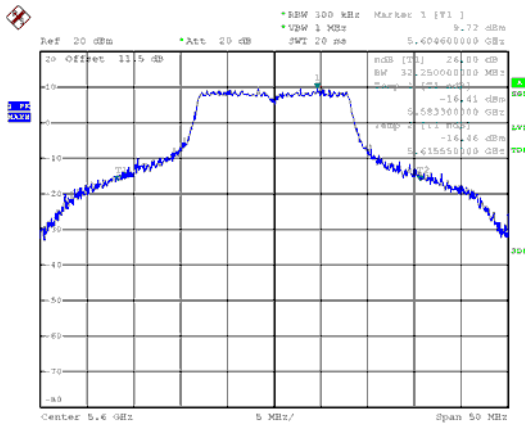
26dB Bandwidth Band 3
Modulation Type: 802.11a (6Mbps)
CH100



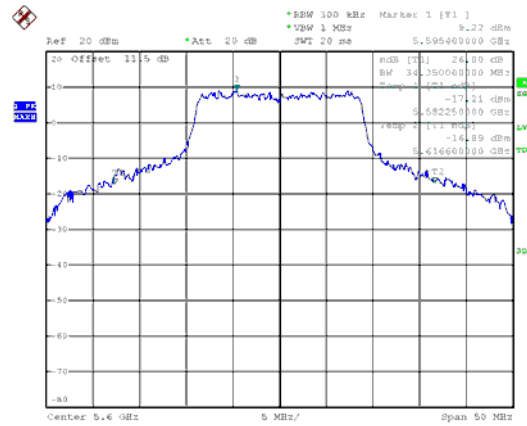
802.11ac VHT20 (6.5Mbps)
CH100



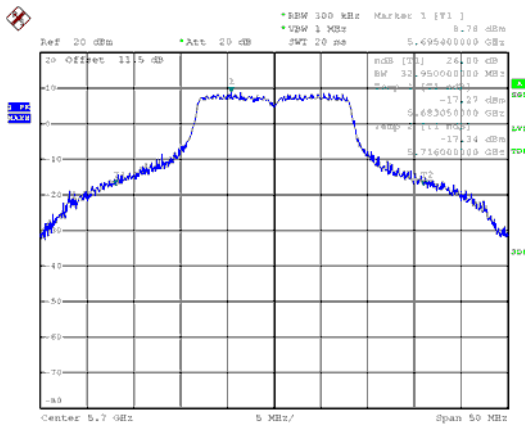
CH120



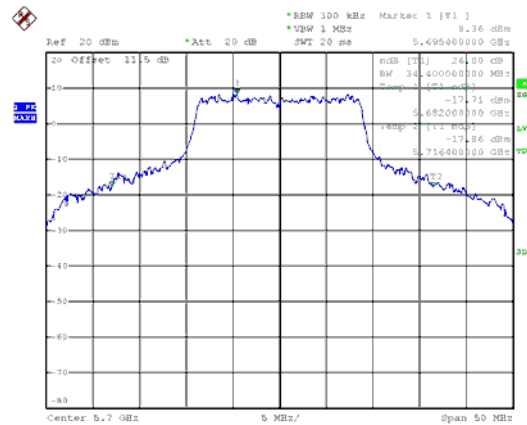
CH120



CH140



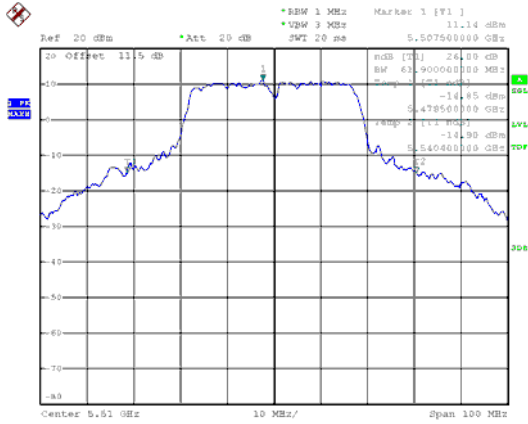
CH140



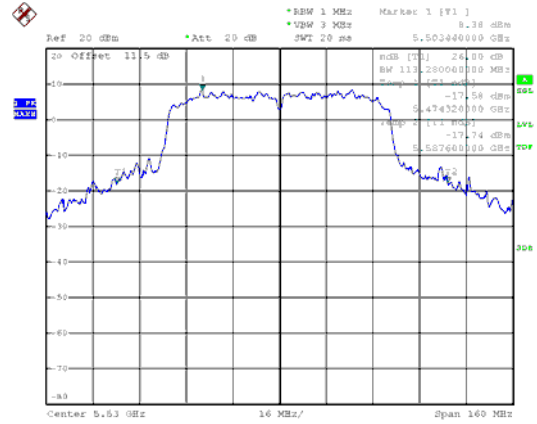


26dB Bandwidth Band 3

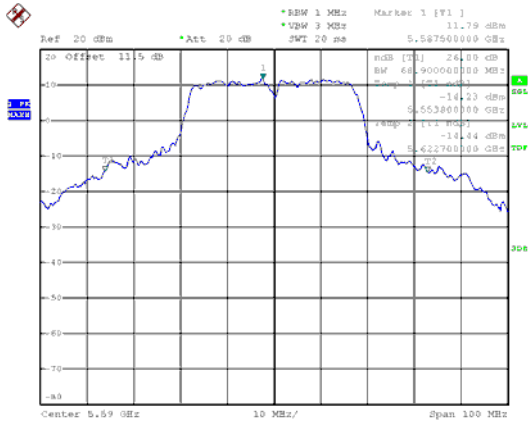
Modulation Type: 802.11ac VHT40 (13.5Mbps) CH102



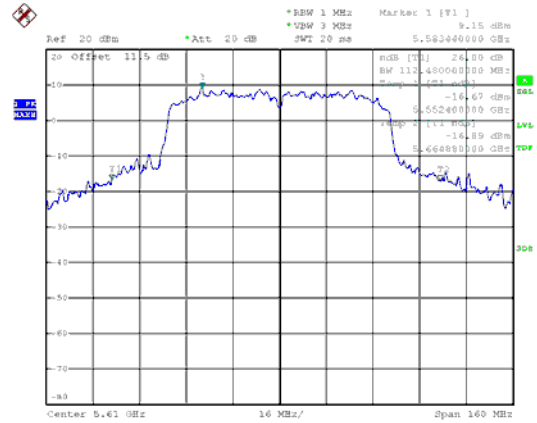
Modulation Type: 802.11ac VHT80 (29.3Mbps) CH106



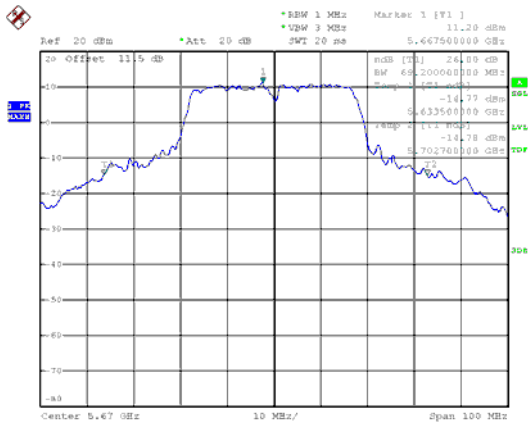
CH118



CH122



CH134

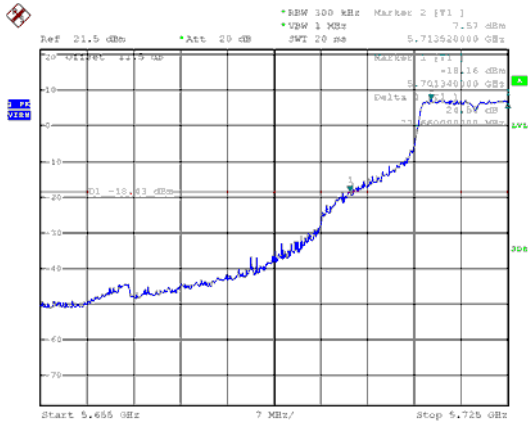




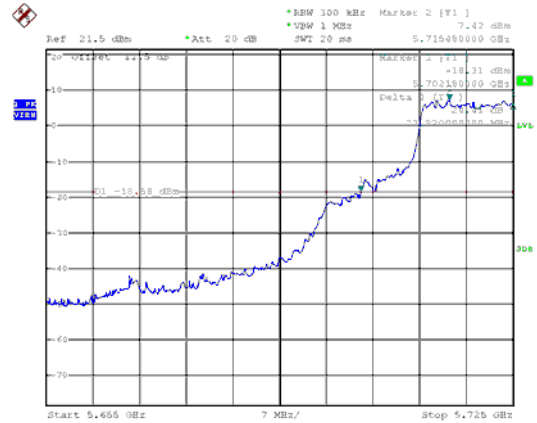
26dB Bandwidth

Within 5470-5725MHz Band, Straddle Channel

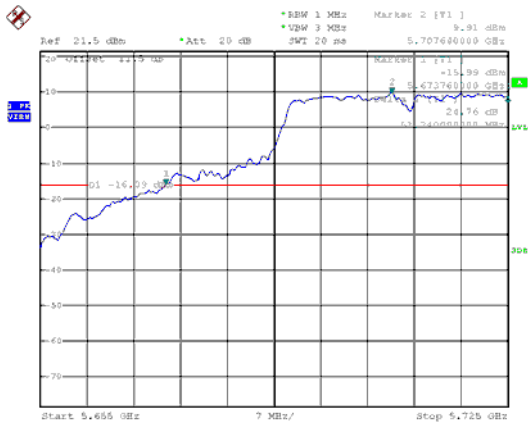
Modulation Type: 802.11a (6Mbps)
CH144



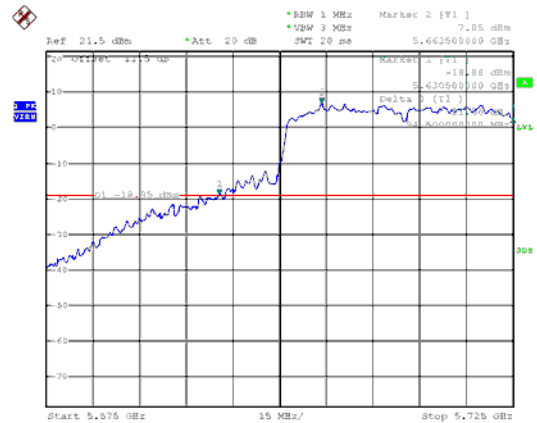
802.11ac VHT20 (6.5Mbps)
CH144



Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138

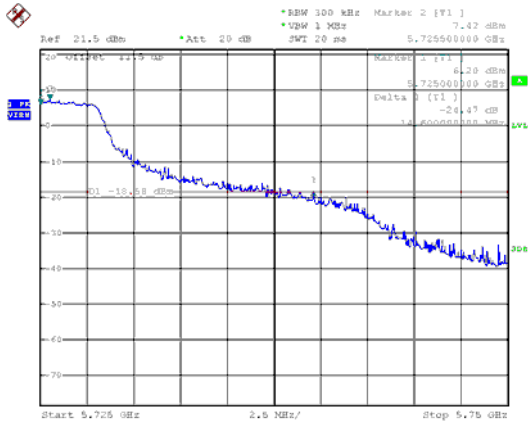




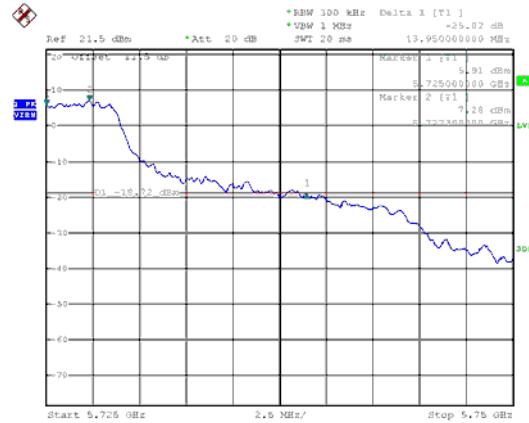
26dB Bandwidth

Extends across 5725MHz Band, Straddle Channel,

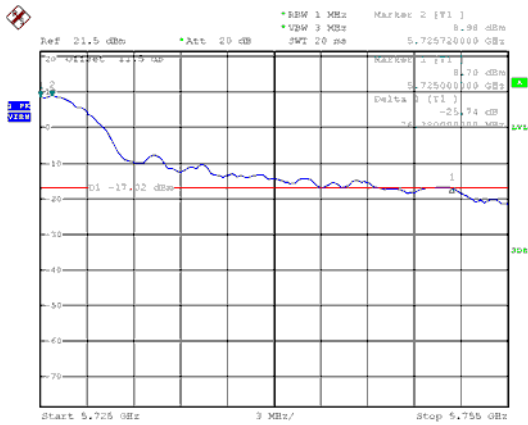
Modulation Type: 802.11a (6Mbps)
CH144



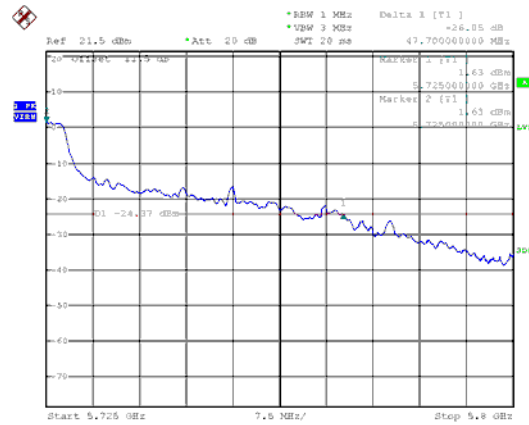
802.11ac VHT20 (6.5Mbps)
CH144



Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142

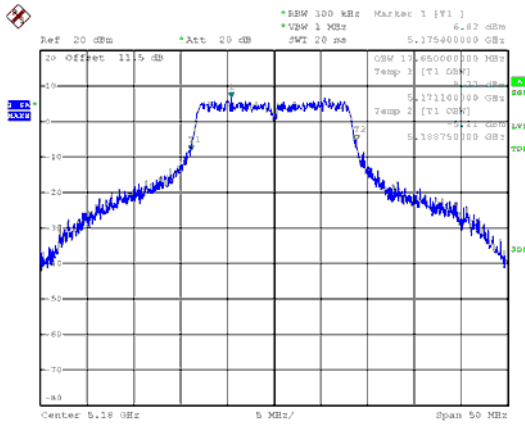


Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138

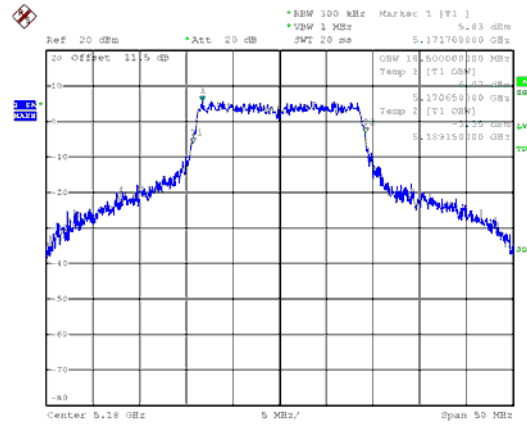




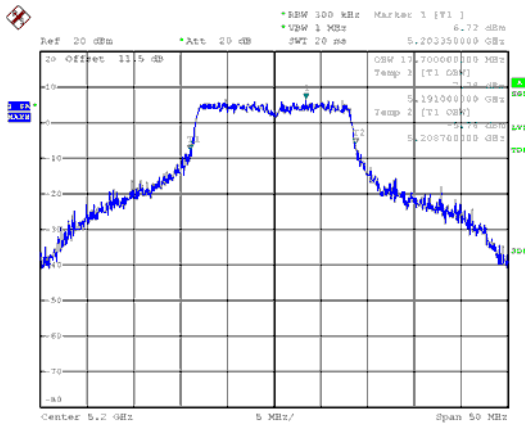
99% Bandwidth Band 1
Modulation Type: 802.11a (6Mbps)
CH36



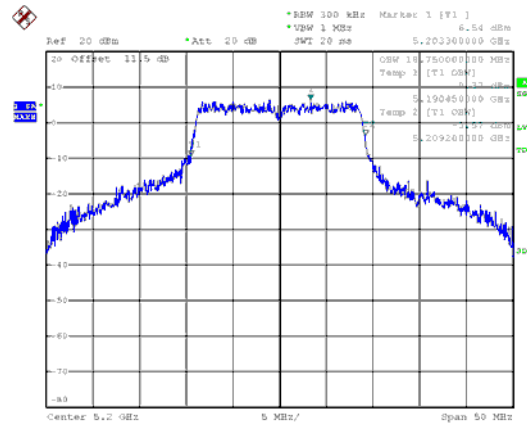
802.11ac VHT20 (6.5Mbps)
CH36



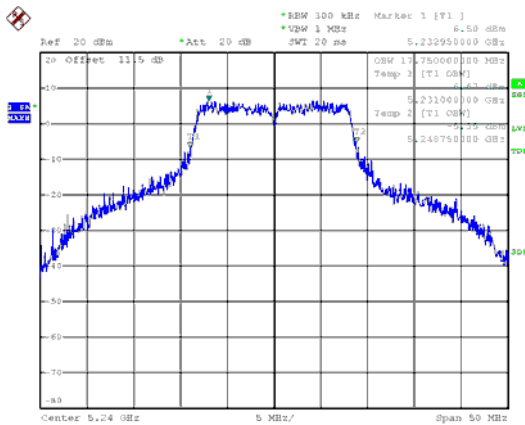
CH40



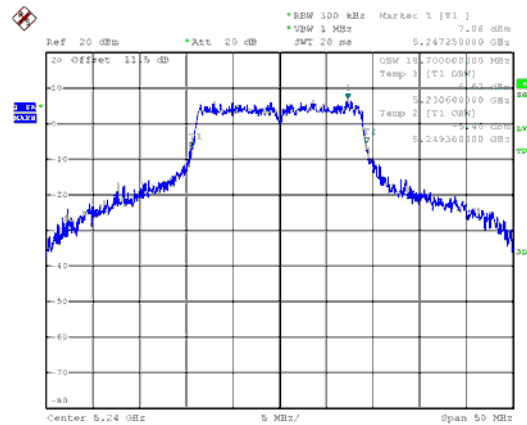
CH40



CH48



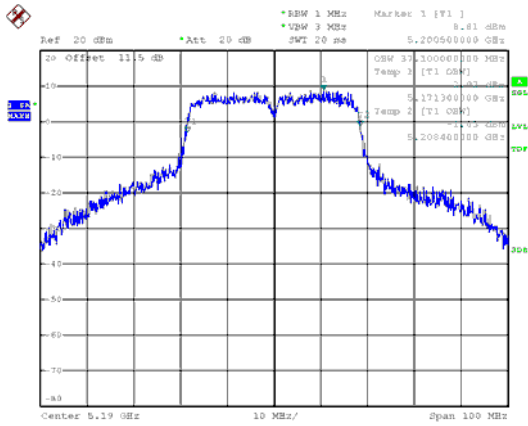
CH48



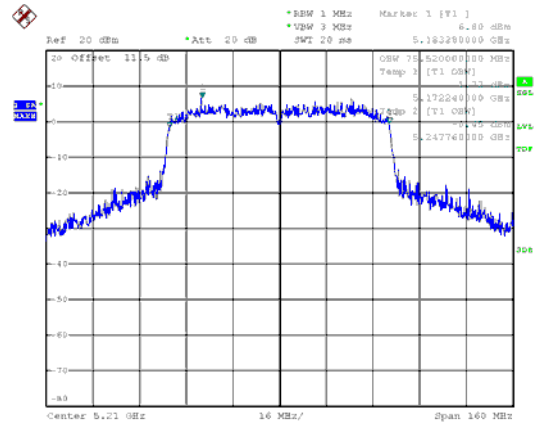


99% Bandwidth Band 1

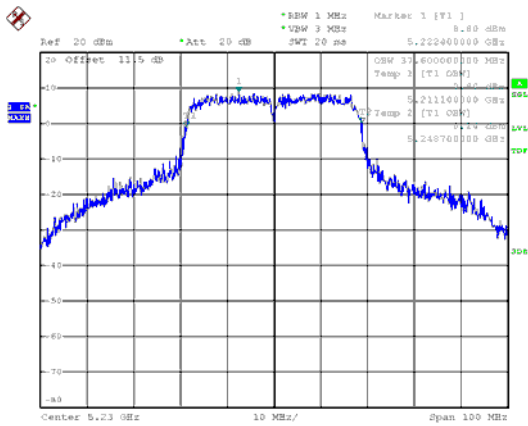
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH38



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH42



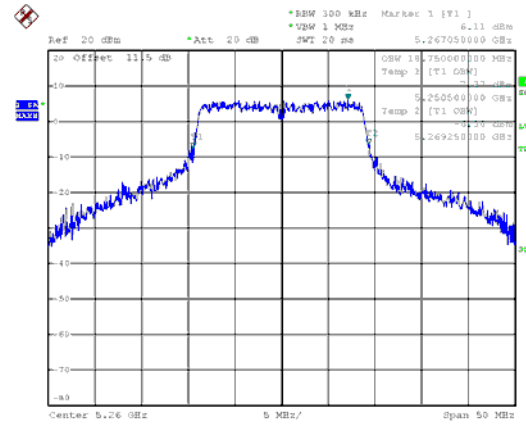
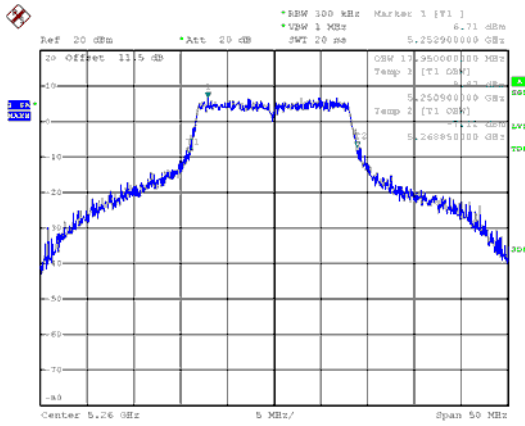
CH46





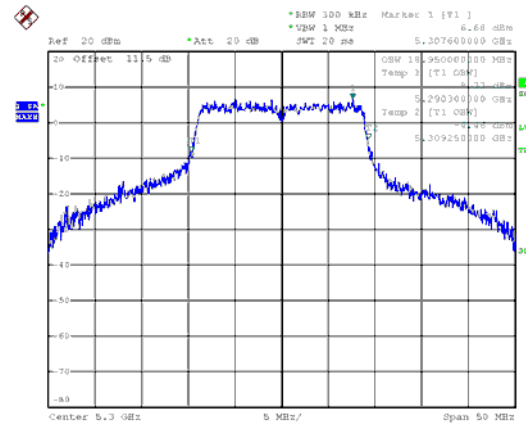
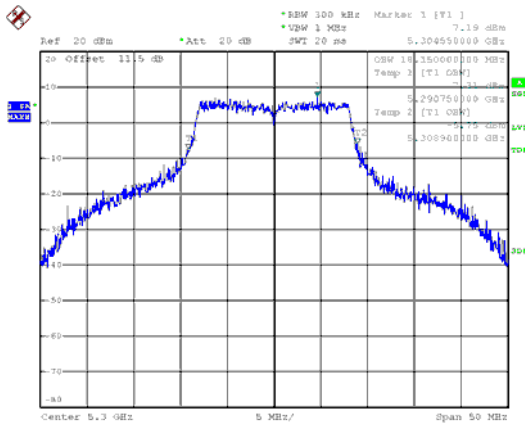
99% Bandwidth Band 2
Modulation Type: 802.11a (6Mbps)
CH52

802.11ac VHT20 (6.5Mbps)
CH52



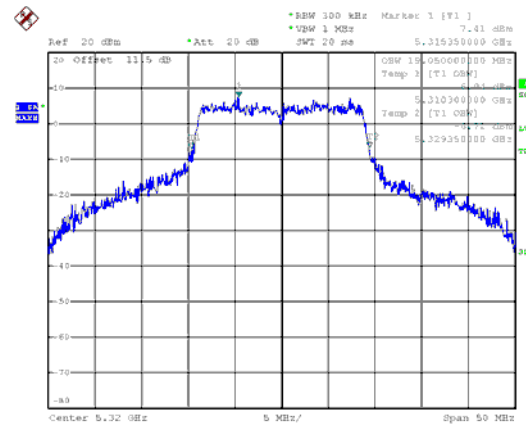
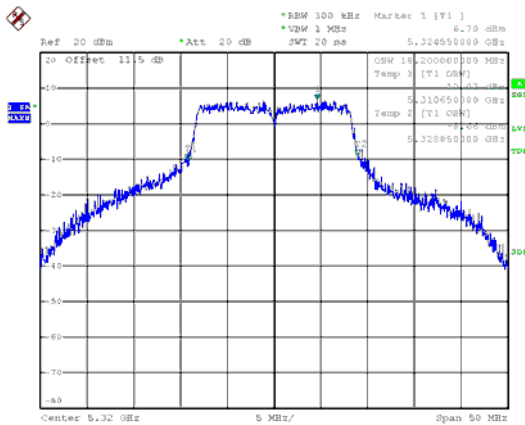
CH60

CH60



CH64

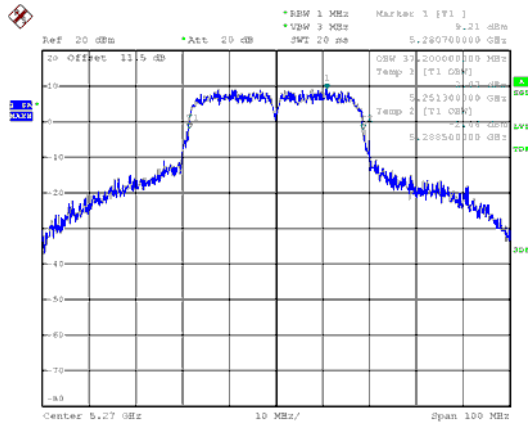
CH64



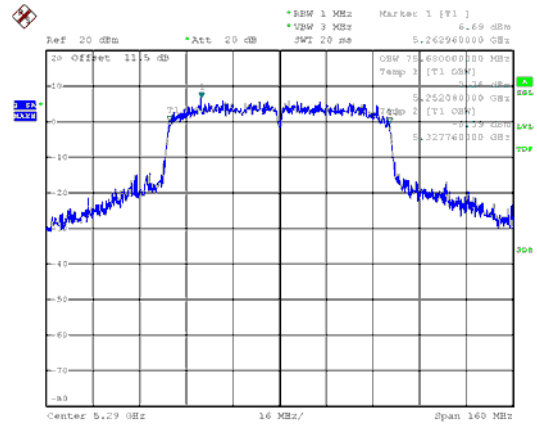


99% Bandwidth Band 2

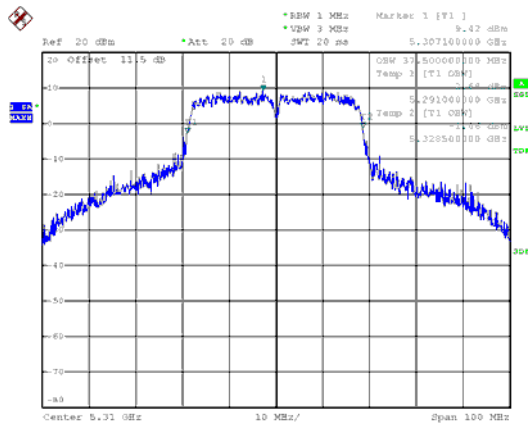
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH54



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH58

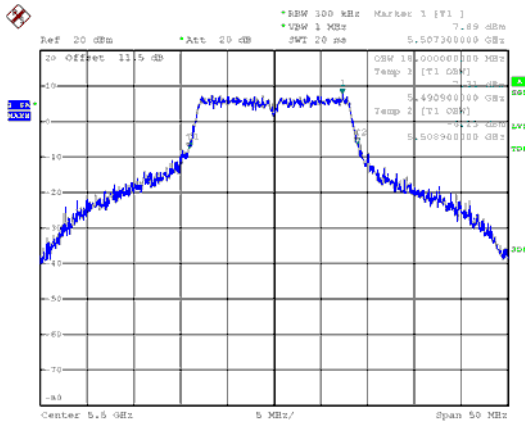


CH62

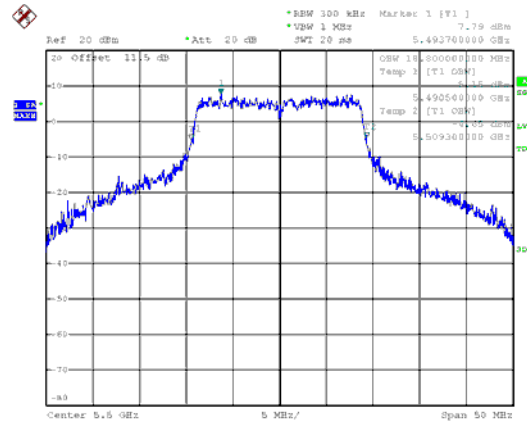




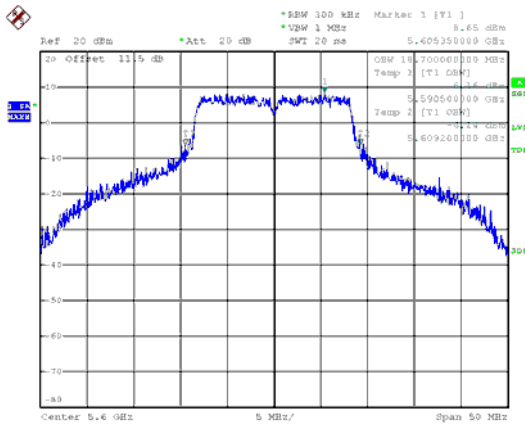
99% Bandwidth Band 3
Modulation Type: 802.11a (6Mbps)
CH100



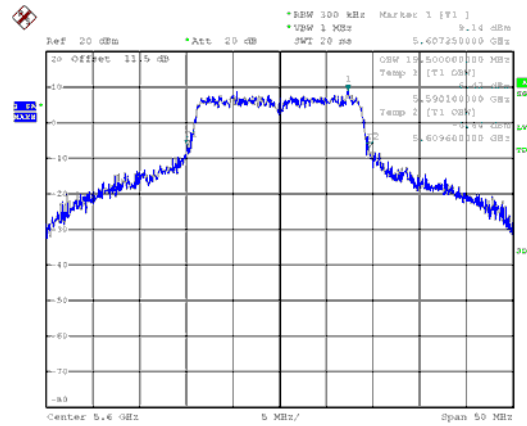
802.11ac VHT20 (6.5Mbps)
CH100



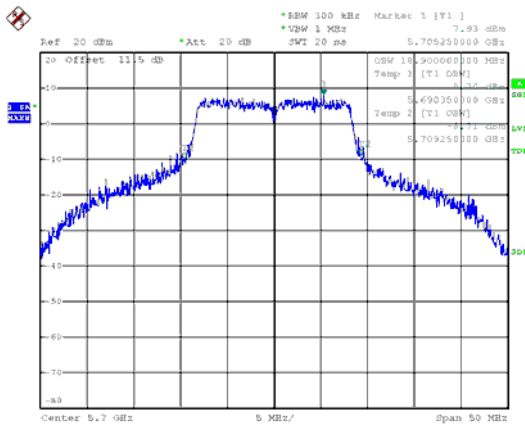
CH120



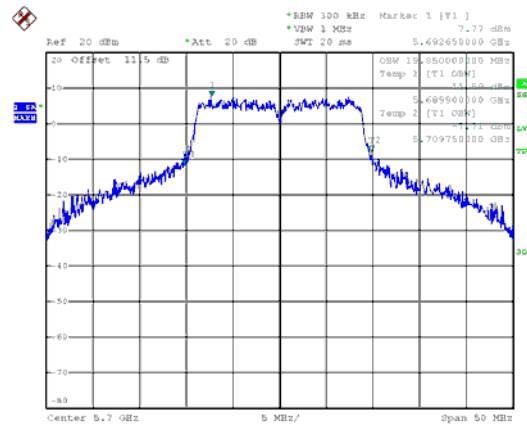
CH120



CH140



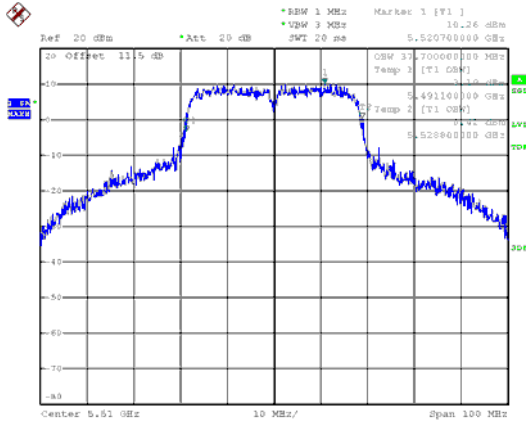
CH140



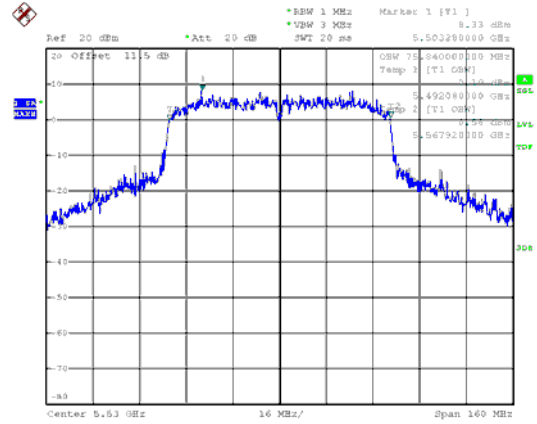


99% Bandwidth Band 3

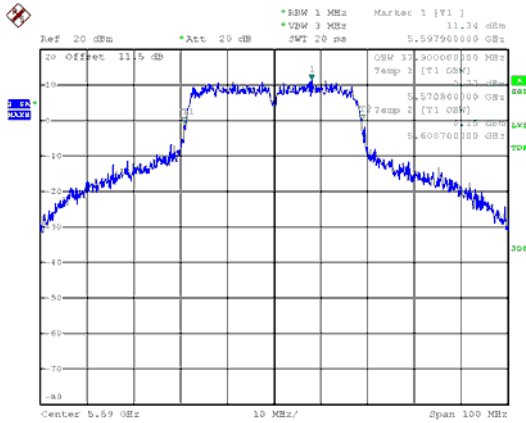
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH102



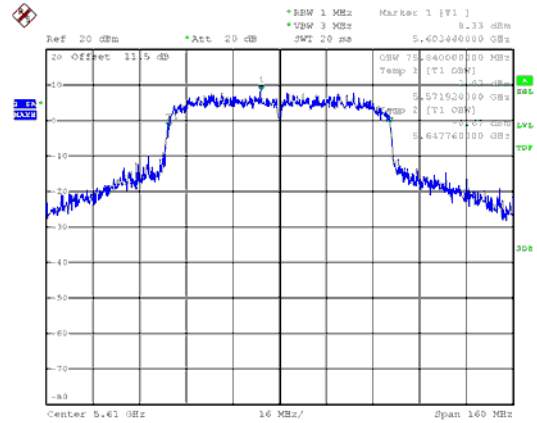
Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH106



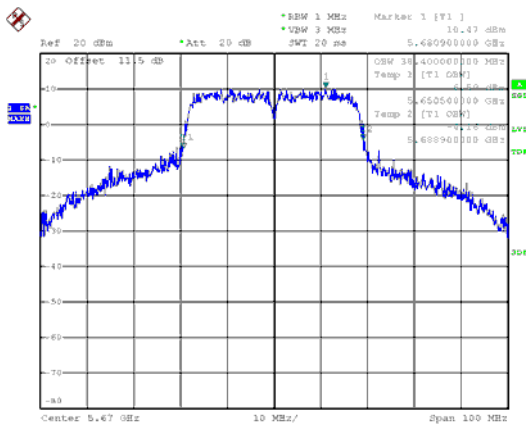
CH118



CH122



CH134

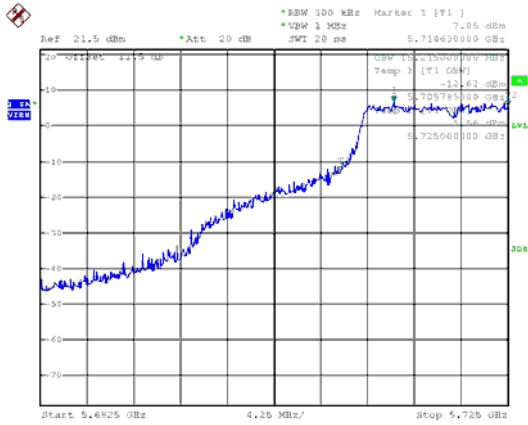




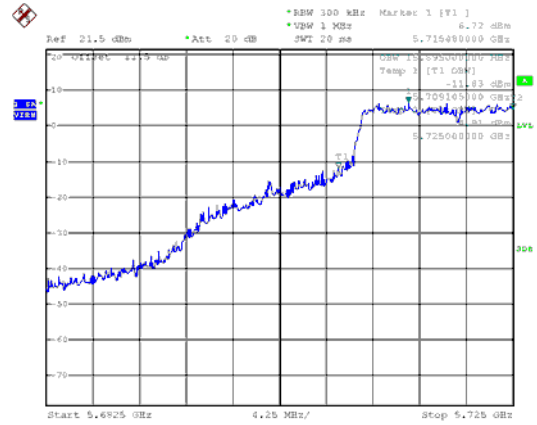
99% Bandwidth

Within 5470-5725MHz Band, Straddle Channel

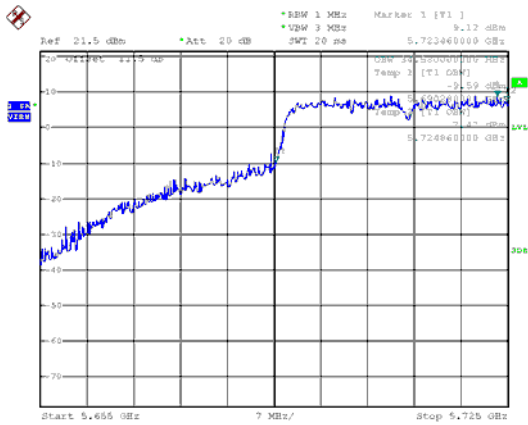
Modulation Type: 802.11a (6Mbps)
CH144



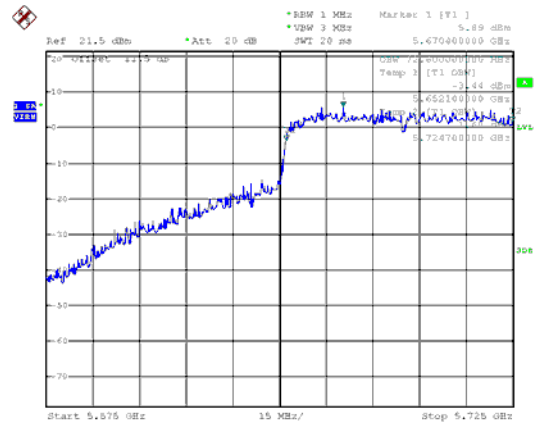
802.11ac VHT20 (6.5Mbps)
CH144



Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138

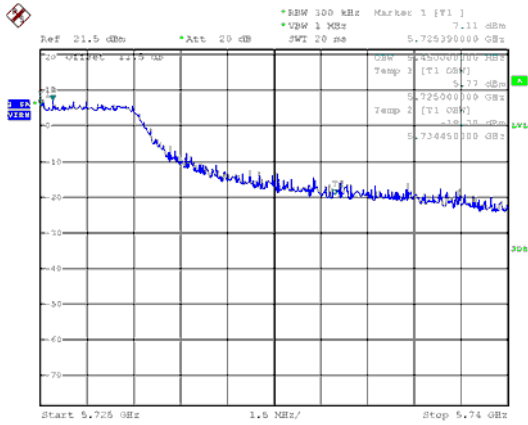




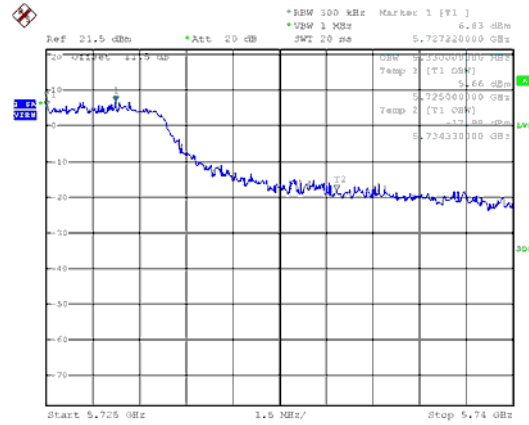
99% Bandwidth

Extends across 5725MHz Band, Straddle Channel

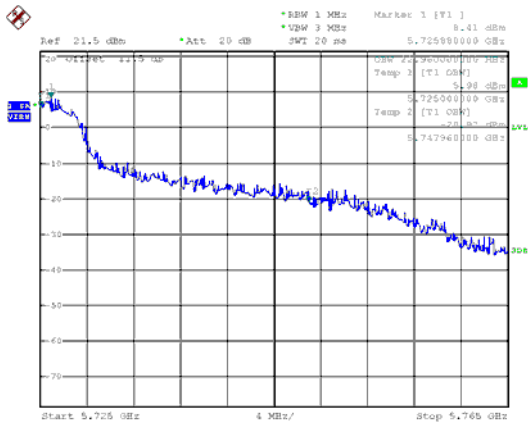
Modulation Type: 802.11a (6Mbps)
CH144



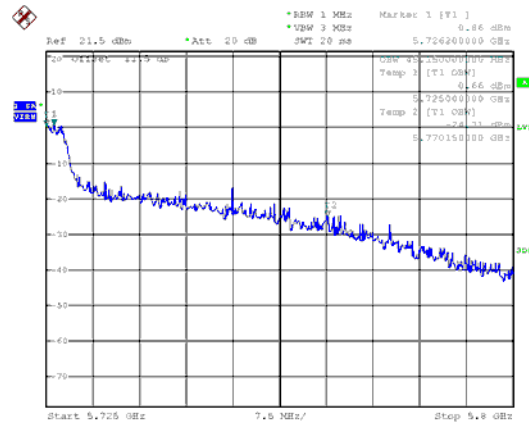
802.11ac VHT20 (6.5Mbps)
CH144



Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138





10. Average Power

10.1. Test Limit

Output Power:

Frequency Band	Limit	
<input checked="" type="checkbox"/> 5.15~5.25GHz		
	Operating Mode	
<input type="checkbox"/>	Outdoor access point	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30degrees as measured from the horizon must not exceed 125 mW (21 dBm).
<input type="checkbox"/>	Indoor access point	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
<input type="checkbox"/>	Fixed point-to-point access points	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi.
<input checked="" type="checkbox"/>	client devices	The maximum conducted output power over the frequency band of operation shall not exceed 250 mW (24dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.



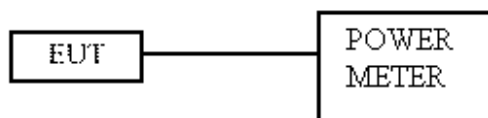
Frequency Band	Limit
<input checked="" type="checkbox"/> 5.25-5.35 GHz	The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW (24dBm) or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
<input checked="" type="checkbox"/> 5.470-5.725 GHz	
<input checked="" type="checkbox"/> 5.725~5.85 GHz	

10.2. Test Procedure

The transmitter output is connected to a power meter.

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

10.3. Test Setup Layout



**10.4. Test Result and Data****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	16.5	36	5180	15.96	15.96	39.446	24.00
11a	6 Mbps	16.5	40	5200	16.05	16.05	40.272	24.00
11a	6 Mbps	16.5	48	5240	16.06	16.06	40.365	24.00
11n HT20	MCS 0	16.5	36	5180	15.90	15.90	38.905	24.00
11n HT20	MCS 0	16.5	40	5200	16.01	16.01	39.902	24.00
11n HT20	MCS 0	16.5	48	5240	16.05	16.05	40.272	24.00
11n HT40	MCS 0	14	38	5190	13.74	13.74	23.659	24.00
11n HT40	MCS 0	16.5	46	5230	15.95	15.95	39.355	24.00
11ac VHT20	NSS1-MCS0	16.5	36	5180	15.92	15.92	39.084	24.00
11ac VHT20	NSS1-MCS0	16.5	40	5200	16.02	16.02	39.994	24.00
11ac VHT20	NSS1-MCS0	16.5	48	5240	16.08	16.08	40.551	24.00
11ac VHT40	NSS1-MCS0	14	38	5190	13.78	13.78	23.878	24.00
11ac VHT40	NSS1-MCS0	16.5	46	5230	15.98	15.98	39.628	24.00
11ac VHT80	NSS1-MCS0	14.5	42	5210	13.60	13.60	22.909	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	17	52	5260	16.12	16.12	40.926	24.00
11a	6 Mbps	17	60	5300	16.16	16.16	41.305	24.00
11a	6 Mbps	17.5	64	5320	16.33	16.33	42.954	24.00
11n HT20	MCS 0	17	52	5260	16.18	16.18	41.495	24.00
11n HT20	MCS 0	17	60	5300	16.32	16.32	42.855	24.00
11n HT20	MCS 0	17.5	64	5320	16.40	16.40	43.652	24.00
11n HT40	MCS 0	17.5	54	5270	16.08	16.08	40.551	24.00
11n HT40	MCS 0	14.5	62	5310	13.82	13.82	24.099	24.00
11ac VHT20	NSS1-MCS0	17	52	5260	16.21	16.21	41.783	24.00
11ac VHT20	NSS1-MCS0	17	60	5300	16.37	16.37	43.351	24.00
11ac VHT20	NSS1-MCS0	17.5	64	5320	16.43	16.43	43.954	24.00
11ac VHT40	NSS1-MCS0	17.5	54	5270	16.10	16.10	40.738	24.00
11ac VHT40	NSS1-MCS0	14.5	62	5310	13.84	13.84	24.210	24.00
11ac VHT80	NSS1-MCS0	14	58	5290	13.00	13.00	19.953	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	17	100	5500	16.19	16.19	41.591	24.00
11a	6 Mbps	17	120	5600	16.82	16.82	48.084	24.00
11a	6 Mbps	17	140	5700	16.67	16.67	46.452	24.00
11a	6 Mbps	18	144	5720	16.94	16.94	49.431	24.00
11n HT20	MCS 0	17	100	5500	16.28	16.28	42.462	24.00
11n HT20	MCS 0	17	120	5600	16.89	16.89	48.865	24.00
11n HT20	MCS 0	17	140	5700	16.74	16.74	47.206	24.00
11n HT20	MCS 0	18	144	5720	16.95	16.95	49.545	24.00
11n HT40	MCS 0	14.5	102	5510	14.61	14.61	28.907	24.00
11n HT40	MCS 0	17	118	5590	16.69	16.69	46.666	24.00
11n HT40	MCS 0	17.5	134	5670	16.62	16.62	45.920	24.00
11n HT40	MCS 0	17.5	142	5710	16.48	16.48	44.463	24.00
11ac VHT20	NSS1-MCS0	17	100	5500	16.31	16.31	42.756	24.00
11ac VHT20	NSS1-MCS0	17	120	5600	16.92	16.92	49.204	24.00
11ac VHT20	NSS1-MCS0	17	140	5700	16.76	16.76	47.424	24.00
11ac VHT20	NSS1-MCS0	18	144	5720	16.98	16.98	49.888	24.00
11ac VHT40	NSS1-MCS0	14.5	102	5510	14.63	14.63	29.040	24.00
11ac VHT40	NSS1-MCS0	17	118	5590	16.72	16.72	46.989	24.00
11ac VHT40	NSS1-MCS0	17.5	134	5670	16.64	16.64	46.132	24.00
11ac VHT40	NSS1-MCS0	17.5	142	5710	16.53	16.53	44.978	24.00
11ac VHT80	NSS1-MCS0	14	106	5530	14.12	14.12	25.823	24.00
11ac VHT80	NSS1-MCS0	17.5	122	5610	16.55	16.55	45.186	24.00
11ac VHT80	NSS1-MCS0	17	138	5690	16.42	16.42	43.853	24.00



Within 5470-5725MHz Band, Straddle Channel

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	14.10	14.10	0.00	25.704	14.10	24.00
11n HT20	MCS0	5720	13.99	13.99	0.00	25.061	13.99	24.00
11n HT40	MCS0	5710	14.66	14.66	0.00	29.242	14.66	24.00
11ac VHT20	NSS1-MCS0	5720	14.00	14.00	0.00	25.119	14.00	24.00
11ac VHT40	NSS1-MCS0	5710	14.74	14.74	0.00	29.785	14.74	24.00
11ac VHT80	NSS1-MCS0	5690	14.32	14.32	0.00	27.040	14.32	24.00

Extends across 5725MHz Band, Straddle Channel

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	8.72	8.72	0.00	7.447	8.72	30.00
11n HT20	MCS0	5720	8.92	8.92	0.00	7.798	8.92	30.00
11n HT40	MCS0	5710	4.12	4.12	0.00	2.582	4.12	30.00
11ac VHT20	NSS1-MCS0	5720	9.01	9.01	0.00	7.962	9.01	30.00
11ac VHT40	NSS1-MCS0	5710	4.13	4.13	0.00	2.588	4.13	30.00
11ac VHT80	NSS1-MCS0	5690	-1.41	-1.41	0.00	0.723	-1.41	30.00

Reference Power Meter

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Avg Power Output (dBm)	Total Power (dBm)
					ANT A	
Meter power (for full power)						
11a	6 Mbps	18	Ch144	5720MHz	16.94	16.94
11n HT20	MCS 0	18	Ch144	5720MHz	16.95	16.95
11n HT40	MCS 0	17.5	Ch142	5710MHz	16.48	16.48
11ac VHT20	NSS1-MCS0	18	Ch144	5720MHz	16.98	16.98
11ac VHT40	NSS1-MCS0	17.5	Ch142	5710MHz	16.53	16.53
11ac VHT80	NSS1-MCS0	17	Ch138	5690MHz	16.42	16.42

*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	18	149	5745	17.25	17.25	53.088	30.00
11a	6 Mbps	18.5	157	5785	16.96	16.96	49.659	30.00
11a	6 Mbps	18	165	5825	17.34	17.34	54.200	30.00
11n HT20	MCS 0	18	149	5745	17.31	17.31	53.827	30.00
11n HT20	MCS 0	18.5	157	5785	17.06	17.06	50.816	30.00
11n HT20	MCS 0	18	165	5825	17.41	17.41	55.081	30.00
11n HT40	MCS 0	18	151	5755	16.84	16.84	48.306	30.00
11n HT40	MCS 0	18.5	159	5795	16.87	16.87	48.641	30.00
11ac VHT20	NSS1-MCS0	18	149	5745	17.35	17.35	54.325	30.00
11ac VHT20	NSS1-MCS0	18.5	157	5785	17.09	17.09	51.168	30.00
11ac VHT20	NSS1-MCS0	18	165	5825	17.43	17.43	55.335	30.00
11ac VHT40	NSS1-MCS0	18	151	5755	16.86	16.86	48.529	30.00
11ac VHT40	NSS1-MCS0	18.5	159	5795	16.90	16.90	48.978	30.00
11ac VHT80	NSS1-MCS0	18.5	155	5775	17.04	17.04	50.582	30.00



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



802.11ac VHT20 (6.5Mbps)
CH144



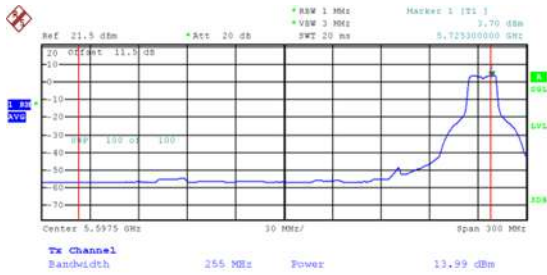
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142



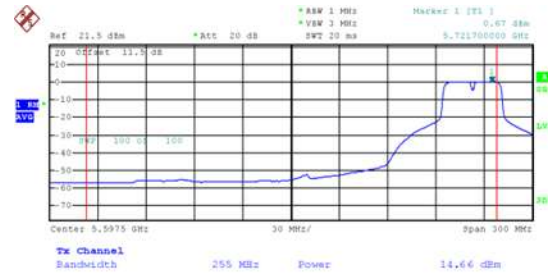
Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138



Modulation Type: 802.11n HT20 (6.5Mbps)
CH144

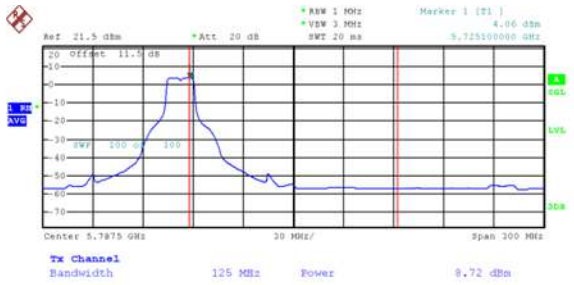


Modulation Type: 802.11n HT40 (13.5Mbps)
CH142

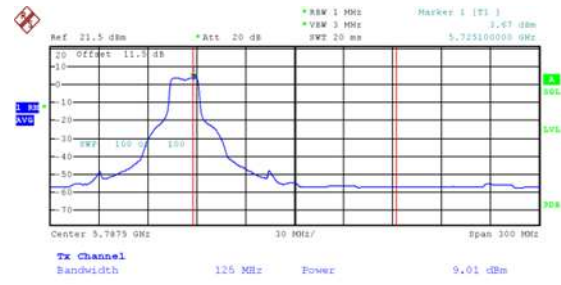




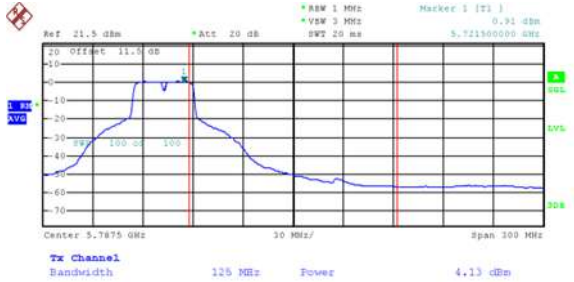
Extends across 5725MHz band, Straddle Channel
Modulation Type: 802.11a (6Mbps)
CH144



802.11ac VHT20 (6.5Mbps)
CH144



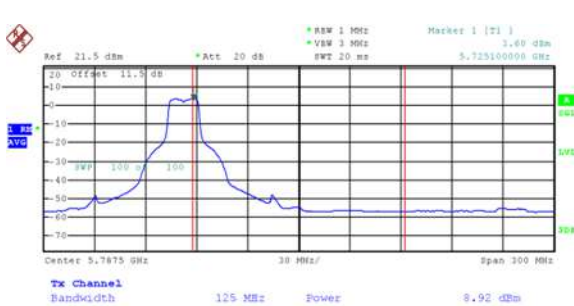
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138



Modulation Type: 802.11n HT20 (6.5Mbps)
CH144



Modulation Type: 802.11n HT40 (13.5Mbps)
CH142





11. Power Spectral Density

11.1. Test Limit

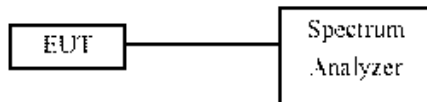
PSD:

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

11.2. Test Procedure

Reference to KDB789033 D02 General UNII Test Procedures New Rules v02r01

11.3. Test Setup Layout



**11.4. Test Result and Data****In the 5.2G Band**

Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A				
11a	36	5180	3.99	3.99	0.00	3.99	11.00
11a	40	5200	3.89	3.89	0.00	3.89	11.00
11a	48	5240	4.01	4.01	0.00	4.01	11.00
11ac VHT20	36	5180	3.46	3.46	0.00	3.46	11.00
11ac VHT20	40	5200	3.84	3.84	0.00	3.84	11.00
11ac VHT20	48	5240	3.81	3.81	0.00	3.81	11.00
11ac VHT40	38	5190	0.56	0.56	0.00	0.56	11.00
11ac VHT40	46	5230	1.01	1.01	0.00	1.01	11.00
11ac VHT80	42	5210	-2.65	-2.65	0.00	-2.65	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	4.18	4.18	0.00	4.18	11.00
11a	60	5300	4.16	4.16	0.00	4.16	11.00
11a	64	5320	4.13	4.13	0.00	4.13	11.00
11ac VHT20	52	5260	3.95	3.95	0.00	3.95	11.00
11ac VHT20	60	5300	3.94	3.94	0.00	3.94	11.00
11ac VHT20	64	5320	3.93	3.93	0.00	3.93	11.00
11ac VHT40	54	5270	1.19	1.19	0.00	1.19	11.00
11ac VHT40	62	5310	1.04	1.04	0.00	1.04	11.00
11ac VHT80	58	5290	-2.07	-2.07	0.00	-2.07	11.00

**In the 5.5G Band**

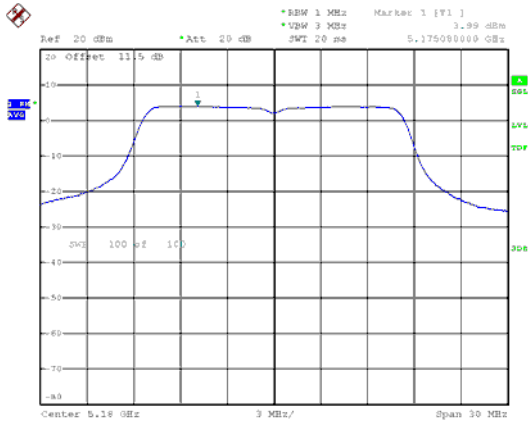
Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A				
11a	100	5500	5.13	5.13	0.00	5.13	11.00
11a	120	5600	5.89	5.89	0.00	5.89	11.00
11a	140	5700	5.05	5.05	0.00	5.05	11.00
11a	144	5720	5.23	5.23	0.00	5.23	11.00
11ac VHT20	100	5500	4.95	4.95	0.00	4.95	11.00
11ac VHT20	120	5600	5.72	5.72	0.00	5.72	11.00
11ac VHT20	140	5700	4.83	4.83	0.00	4.83	11.00
11ac VHT20	144	5720	4.98	4.98	0.00	4.98	11.00
11ac VHT40	102	5510	2.14	2.14	0.00	2.14	11.00
11ac VHT40	118	5590	2.84	2.84	0.00	2.84	11.00
11ac VHT40	134	5670	2.06	2.06	0.00	2.06	11.00
11ac VHT40	142	5710	1.84	1.84	0.00	1.84	11.00
11ac VHT80	106	5530	-0.79	-0.79	0.00	-0.79	11.00
11ac VHT80	122	5610	-0.31	-0.31	0.00	-0.31	11.00
11ac VHT80	138	5690	-1.13	-1.13	0.00	-1.13	11.00

In the 5.8G Band

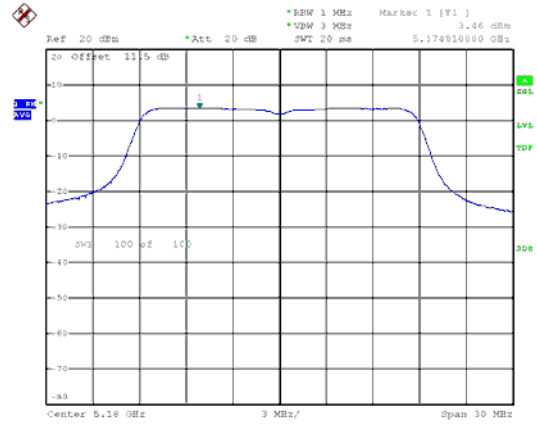
Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A				
11a	149	5745	5.52	5.52	0.00	-3.01	2.51
11a	157	5785	5.55	5.55	0.00	-3.01	2.54
11a	165	5825	5.27	5.27	0.00	-3.01	2.26
11ac VHT20	149	5745	5.18	5.18	0.00	-3.01	2.17
11ac VHT20	157	5785	5.21	5.21	0.00	-3.01	2.20
11ac VHT20	165	5825	5.03	5.03	0.00	-3.01	2.02
11ac VHT40	151	5755	2.38	2.38	0.00	-3.01	-0.63
11ac VHT40	159	5795	2.25	2.25	0.00	-3.01	-0.76
11ac VHT80	155	5775	-0.76	-0.76	0.00	-3.01	-3.77



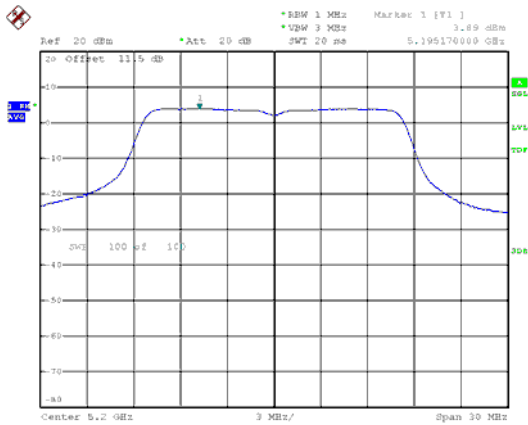
5.2G, Band 1
Modulation Type: 802.11a (6Mbps)
CH36



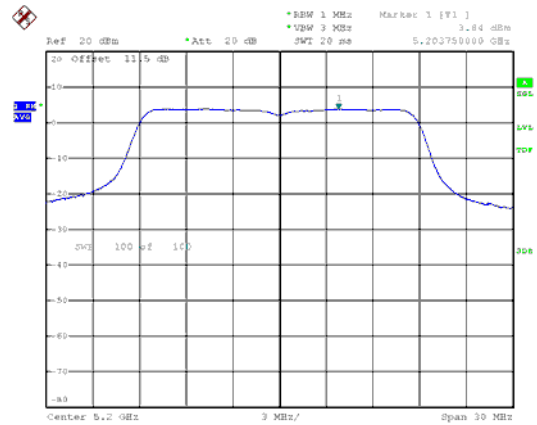
802.11ac VHT20 (6.5Mbps)
CH36



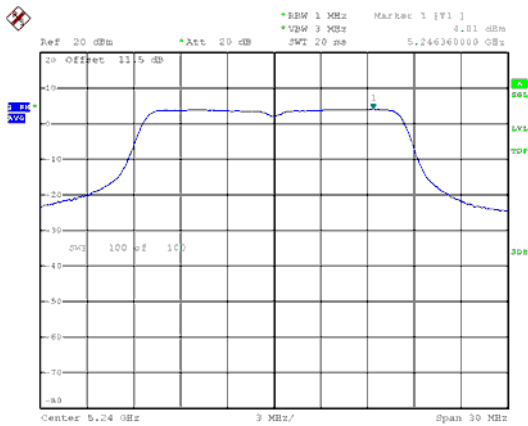
CH40



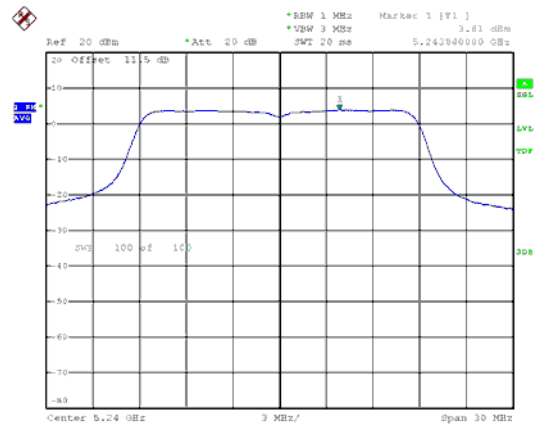
CH40



CH48



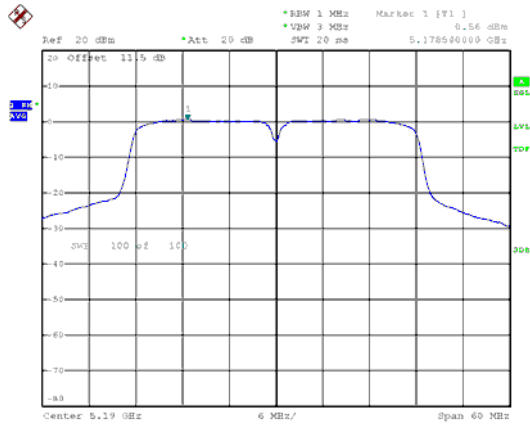
CH48



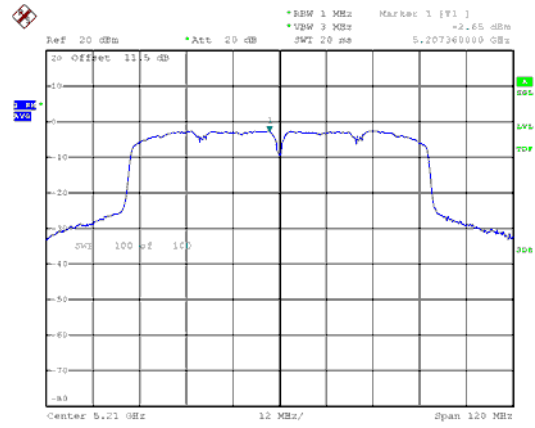


5.2G, Band 1

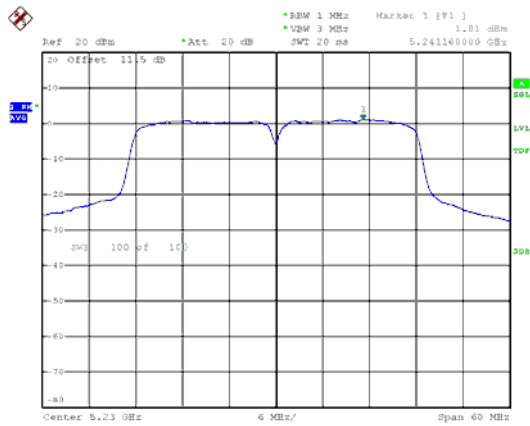
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH38



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH42

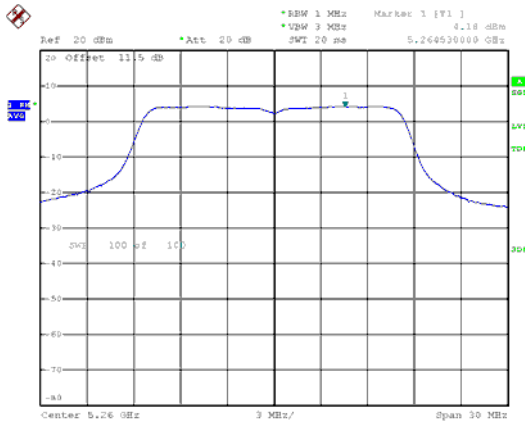


CH46

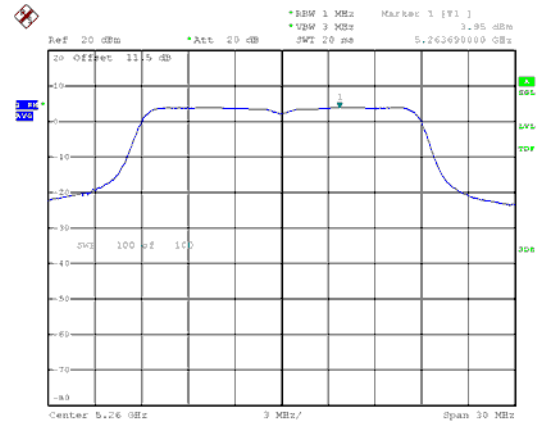




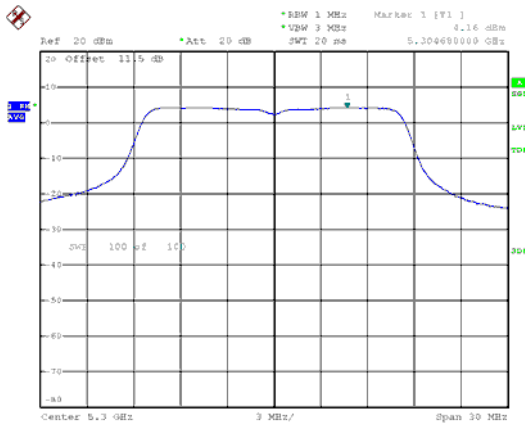
5.3G, Band 2
Modulation Type: 802.11a (6Mbps)
CH52



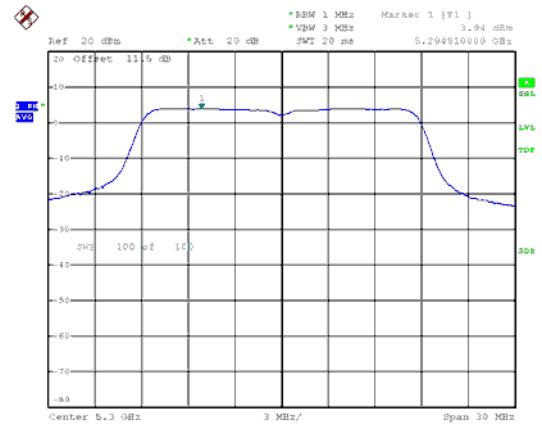
802.11ac VHT20 (6.5Mbps)
CH52



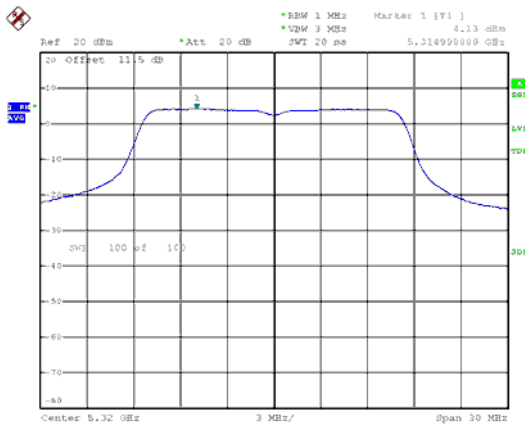
CH60



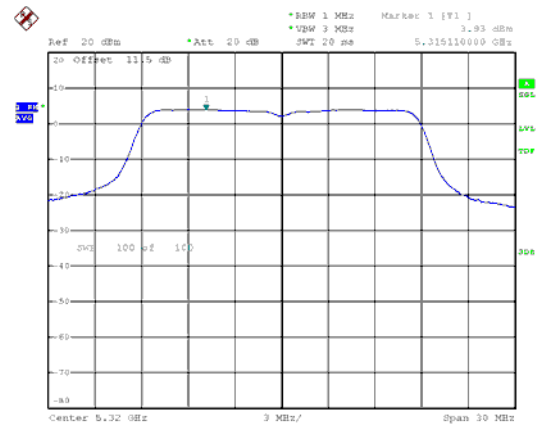
CH60



CH64



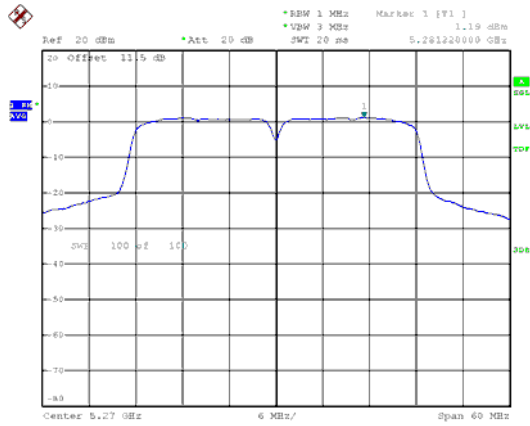
CH64



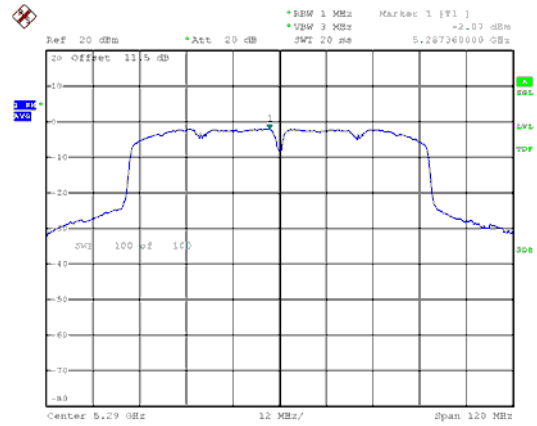


5.3G, Band 2

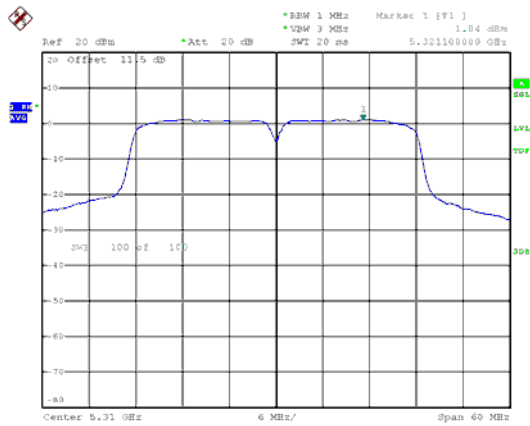
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH54



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH58

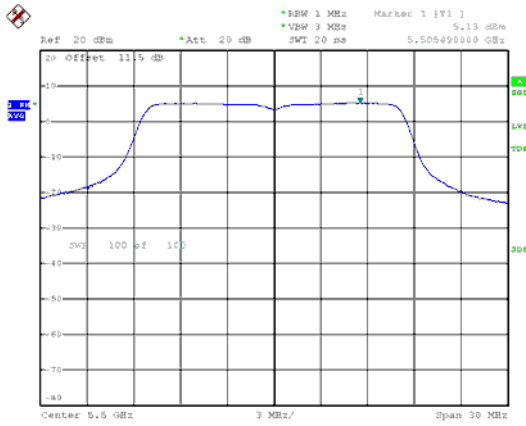


CH62

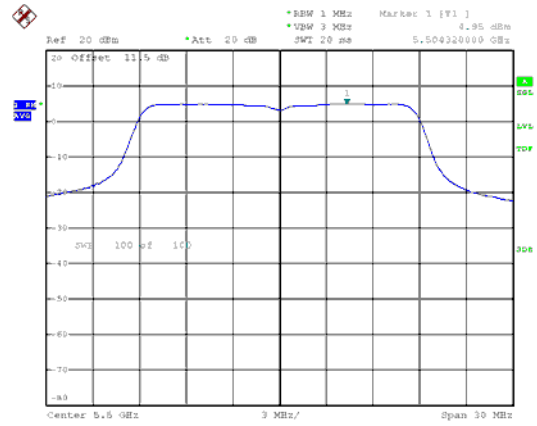




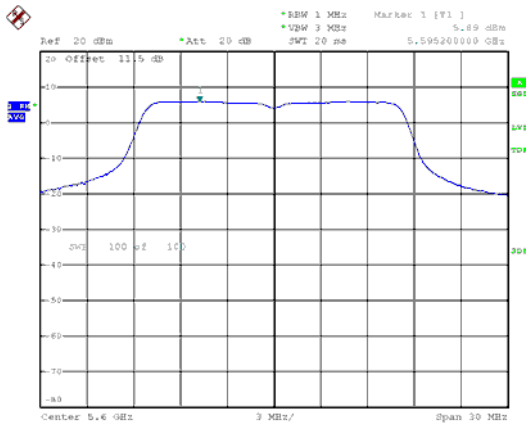
5.5G, Band 3
Modulation Type: 802.11a (6Mbps)
CH100



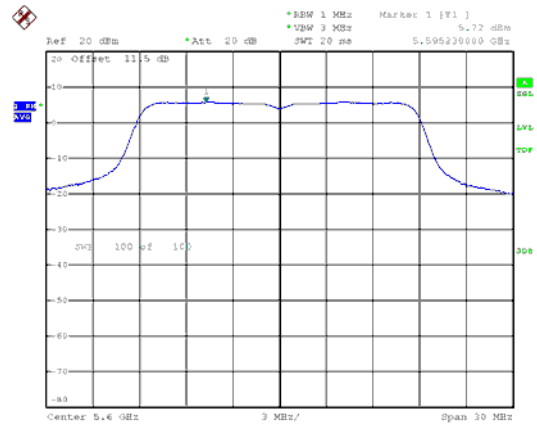
802.11ac VHT20 (6.5Mbps)
CH100



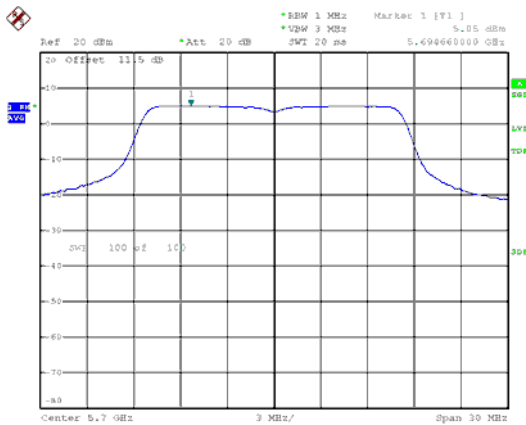
CH120



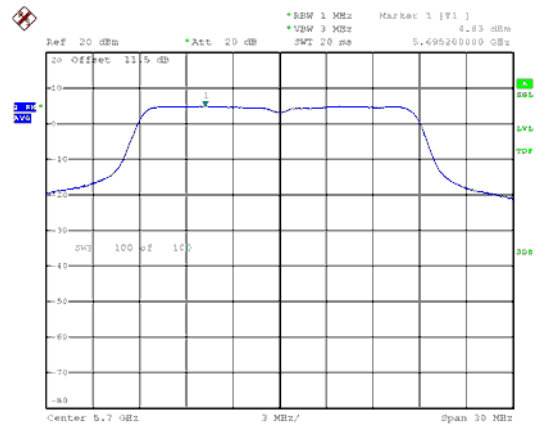
CH120



CH140



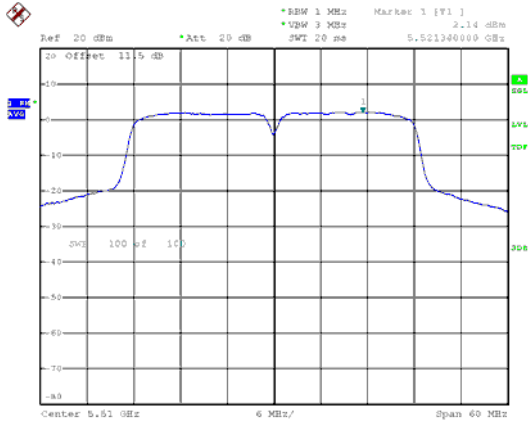
CH140



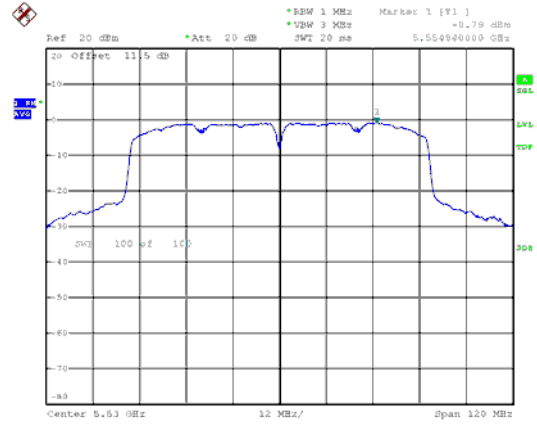


5.5G, Band 3

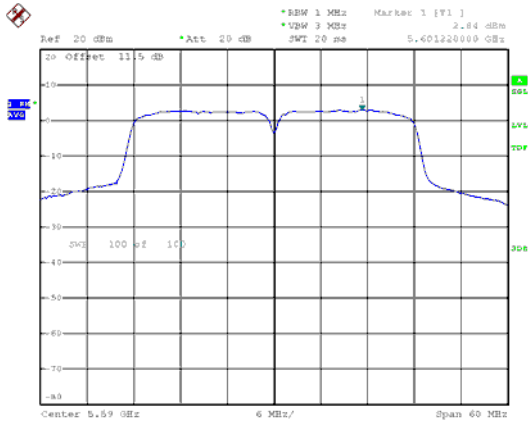
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH102



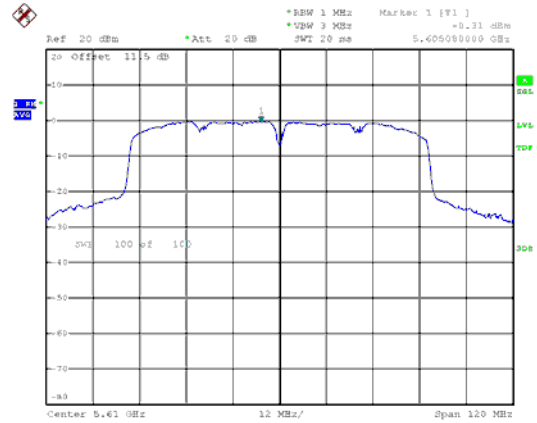
Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH106



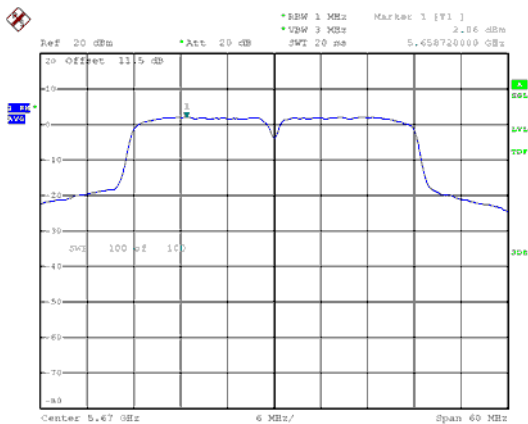
CH118



CH122

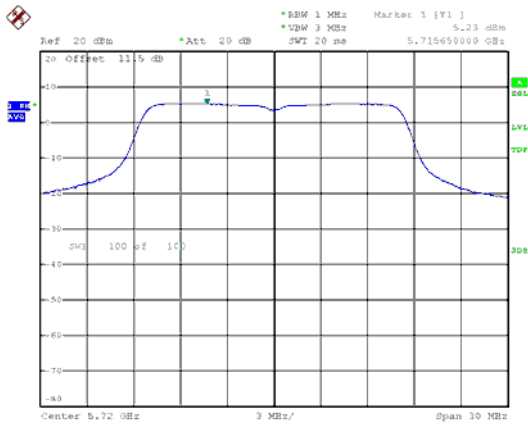


CH134

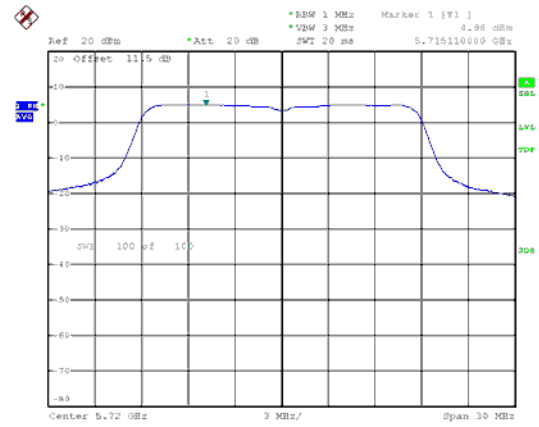




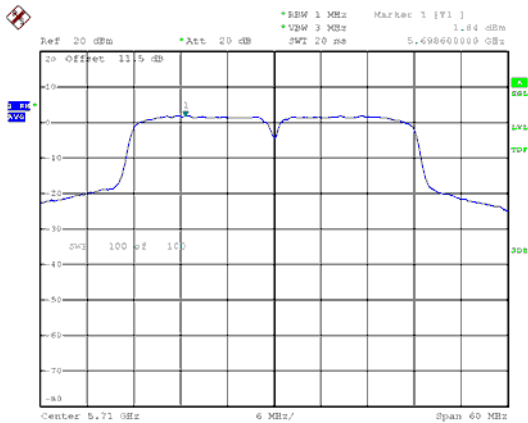
5.5G, Band 3, Straddle Channel
Modulation Type: 802.11a (6Mbps)
CH144



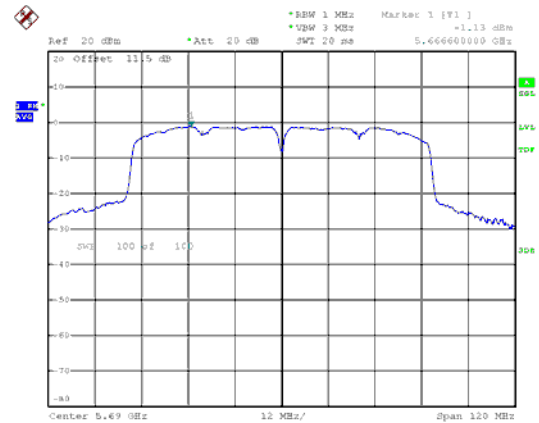
802.11ac VHT20 (6.5Mbps)
CH144



Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH142



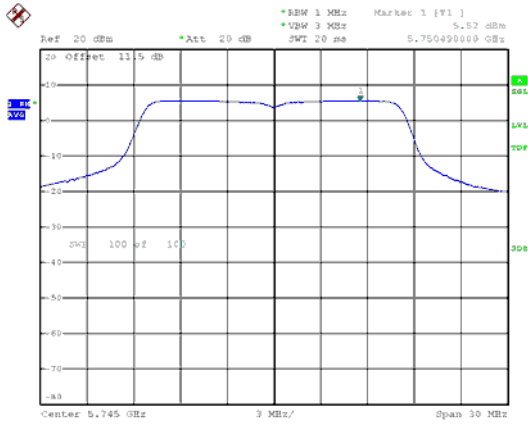
Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH138



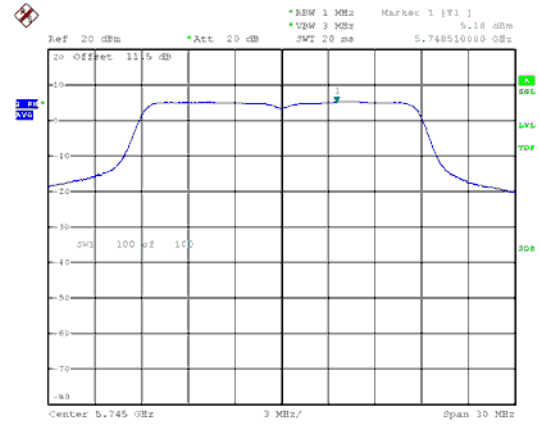


5.8G, Band 4

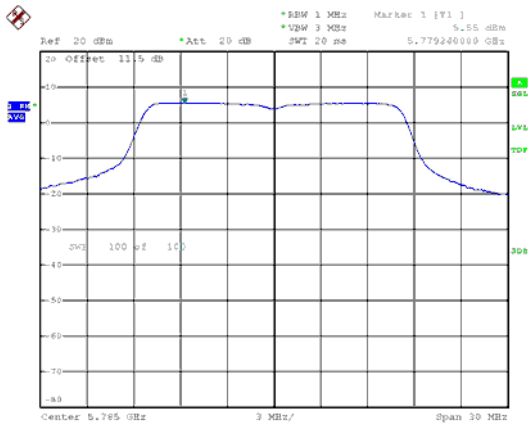
Modulation Type: 802.11a (6Mbps)
CH149



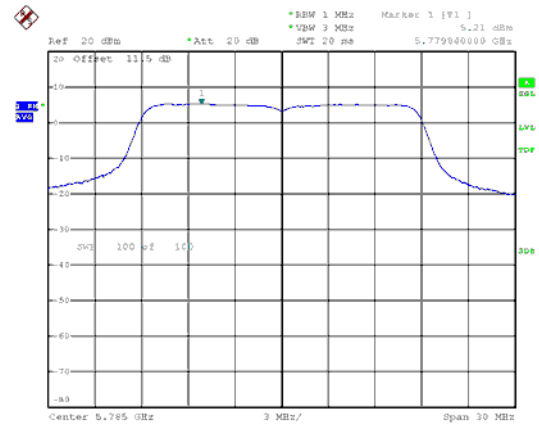
802.11ac VHT20 (6.5Mbps)
CH149



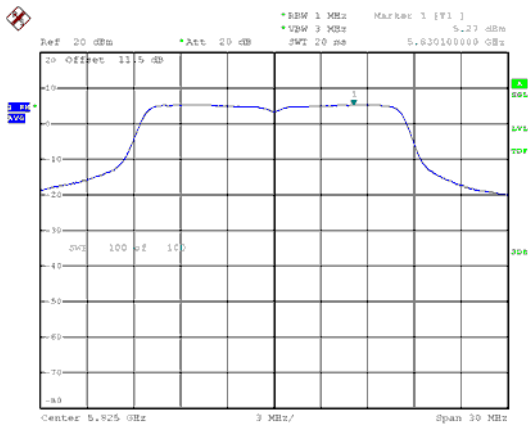
CH157



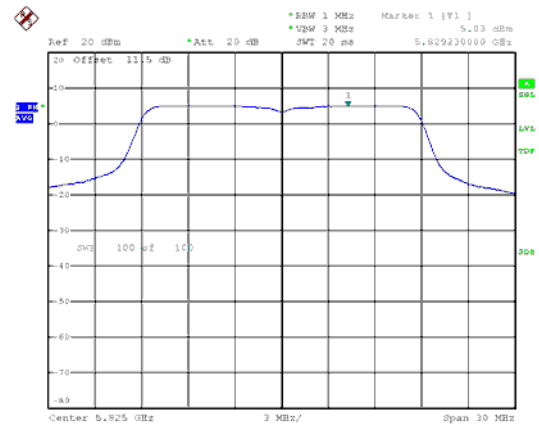
CH157



CH165



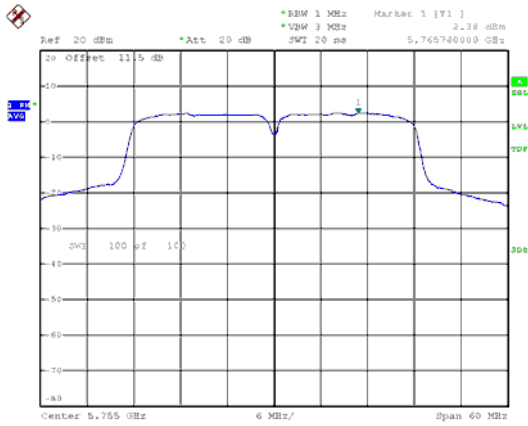
CH165



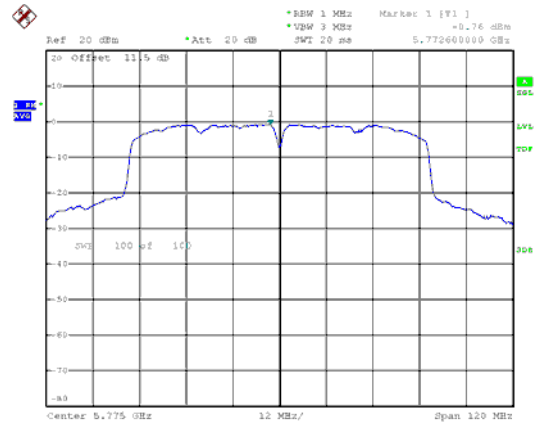


5.8G, Band 4

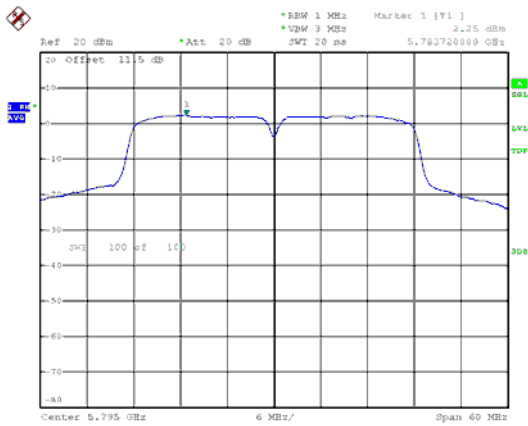
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH151



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH155



CH159



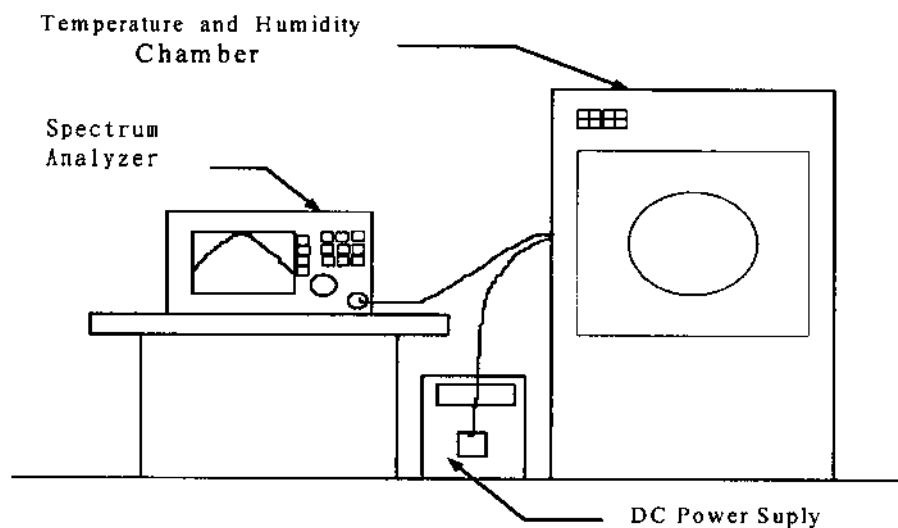


12. Frequency Stability

12.1. Test Procedure

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

12.2. Test Setup Layout



**12.3. Test Result and Data**

Operating frequency: 5180 MHz							
Temp (°C)	Power supply (V)	2 minute		5 minute		10 minute	
		(MHz)	(%)	(MHz)	(%)	(MHz)	(%)
55	102	5179.9945	-0.000106	5179.9945	-0.000106	5179.9955	-0.000087
	120	5179.9950	-0.000097	5179.9945	-0.000106	5179.9940	-0.000116
	138	5179.9955	-0.000087	5179.9950	-0.000097	5179.9945	-0.000106
40	102	5180.0015	0.000029	5180.0005	0.000010	5179.9990	-0.000019
	120	5180.0010	0.000019	5180.0000	0.000000	5179.9995	-0.000010
	138	5180.0005	0.000010	5180.0005	0.000010	5179.9995	-0.000010
30	102	5180.0140	0.000270	5180.0130	0.000251	5180.0140	0.000270
	120	5180.0145	0.000280	5180.0135	0.000261	5180.0130	0.000251
	138	5180.0135	0.000261	5180.0135	0.000261	5180.0145	0.000280
20	102	5180.0285	0.000550	5180.0295	0.000569	5180.0285	0.000550
	120	5180.0285	0.000550	5180.0290	0.000560	5180.0285	0.000550
	138	5180.0290	0.000560	5180.0285	0.000550	5180.0280	0.000541
10	102	5180.0420	0.000811	5180.0430	0.000830	5180.0445	0.000859
	120	5180.0420	0.000811	5180.0425	0.000820	5180.0455	0.000878
	138	5180.0460	0.000888	5180.0455	0.000878	5180.0435	0.000840
0	102	5180.0580	0.001120	5180.0590	0.001139	5180.0595	0.001149
	120	5180.0585	0.001129	5180.0590	0.001139	5180.0595	0.001149
	138	5180.0585	0.001129	5180.0580	0.001120	5180.0585	0.001129
-10	102	5180.0610	0.001178	5180.0615	0.001187	5180.0610	0.001178
	120	5180.0600	0.001158	5180.0625	0.001207	5180.0605	0.001168
	138	5180.0605	0.001168	5180.0615	0.001187	5180.0610	0.001178

Limit:

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.