



7. On Time, Duty Cycle and Measurement methods

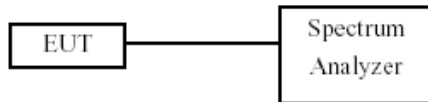
7.1. Test Limit

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

Test Date: Oct. 04, 2016

Temperature: 22°C

Atmospheric pressure: 1018 hPa

Humidity: 65%

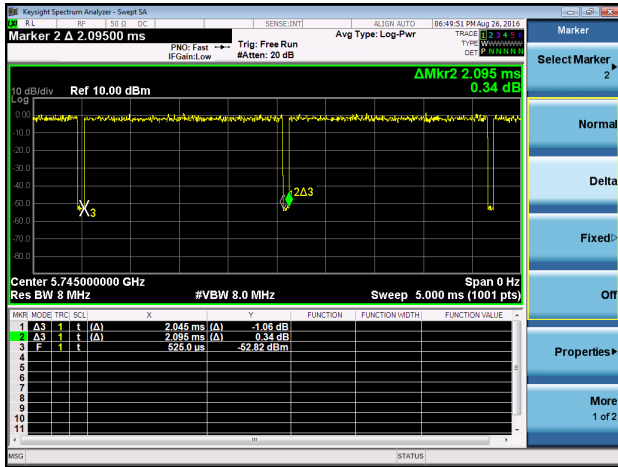
Modulation Type	On Time (msec)	Period Time (msec)	Duty Cycle (%)	1/T Minimum VBW(Hz)	Duty Cycle correction Factor (dB)
802.11a	2.05	2.10	97.61%	489.00	0.10
802.11ac VHT20	1.92	1.97	97.46%	520.83	0.11
802.11ac VHT40	0.95	1.00	94.91%	1051.52	0.23
802.11ac VHT80	0.46	0.52	88.67%	2173.91	0.52

7.5. Measurement Methods

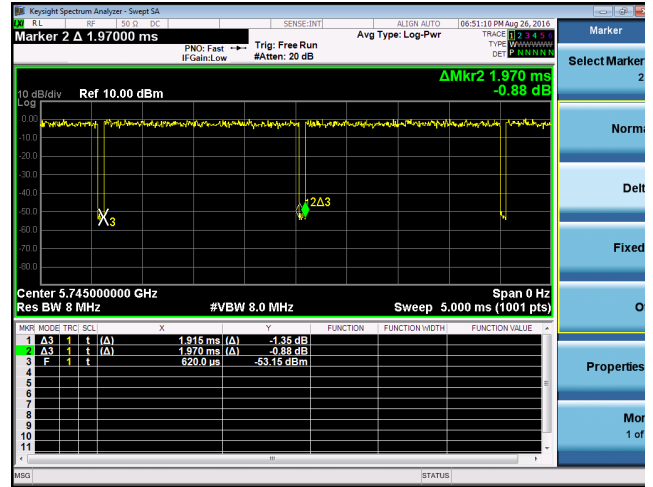
26 dB and 6dB Emission BW	KDB 789033 D02 v01, Section C
99% Occupied BW	KDB 789033 D02 v01, Section D
Conducted Output Power	KDB 789033 D02 v01, Section E.2.d and E.3.b (Method PM-G)
Power Spectral Density	KDB 789033 D02 v01, Section F
Unwanted emissions in restricted bands	KDB 789033 D02 v01, Sections G and H
Unwanted emissions in non-restricted bands	KDB 789033 D02 v01, Sections G and H



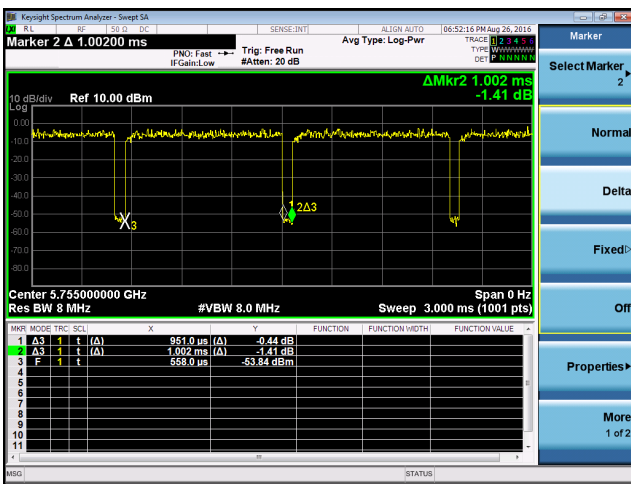
Modulation Standard: 802.11a (6Mbps)



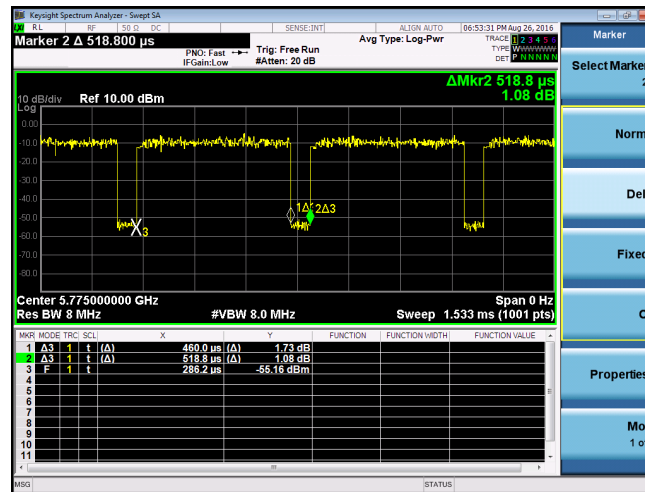
Modulation Standard: 802.11ac, VHT20 (6.5Mbps)



Modulation Standard: 802.11ac, VHT40 (13.5Mbps)



Modulation Standard: 802.11ac, VHT80 (29.3Mbps)





8. 6dB Bandwidth

8.1. Test Limit

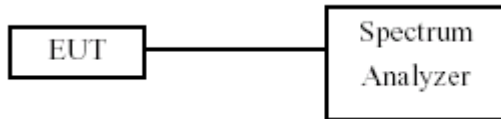
FCC §15.407

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 >= 3 x RBW, peak detector and max hold.

8.3. Test Setup Layout



8.4. Test Result and Data

Test Date: Oct. 04, 2016

Temperature: 22°C

Atmospheric pressure: 1018 hPa

Humidity: 65%

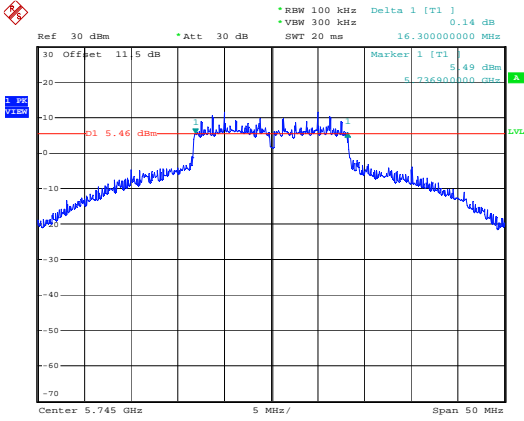
In the 5.8G Band

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		
			ANT 1	ANT 2	ANT 3
802.11a	149	5745	16.30	16.20	16.30
	157	5785	16.30	16.30	16.30
	165	5825	16.40	16.20	16.40
802.11ac VHT20	149	5745	17.40	17.50	17.50
	157	5785	17.50	17.50	17.40
	165	5825	17.40	17.30	17.60
802.11ac VHT40	151	5755	35.80	35.80	36.40
	159	5795	36.40	35.40	35.60
802.11ac VHT80	155	5775	72.64	73.28	74.56

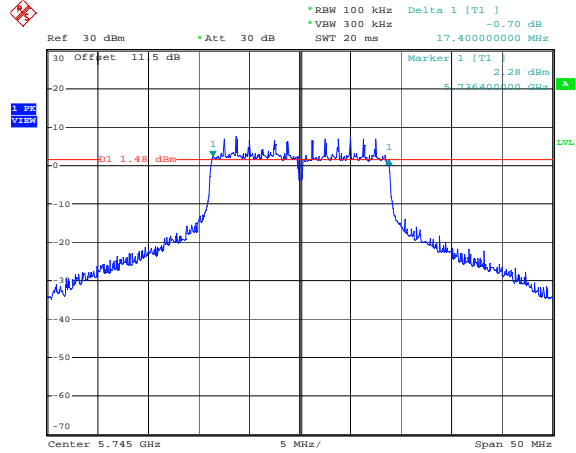


Antenna 1

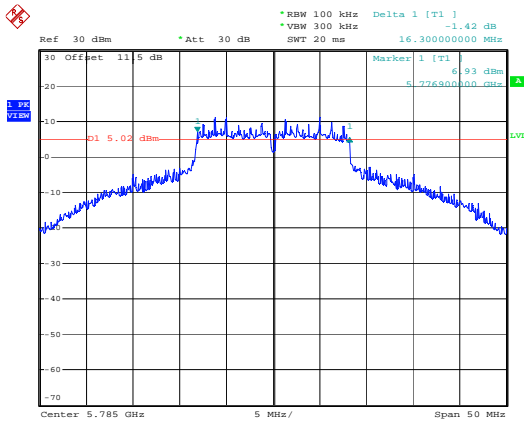
Modulation Standard: 802.11a (6Mbps)
CH149



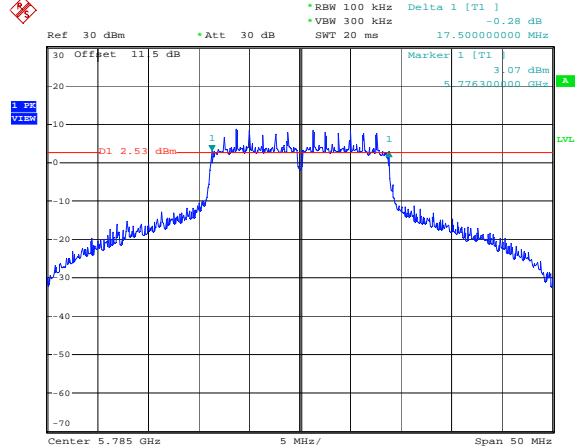
Modulation Standard: 802.11ac, VHT20 (6.5Mbps)
CH149



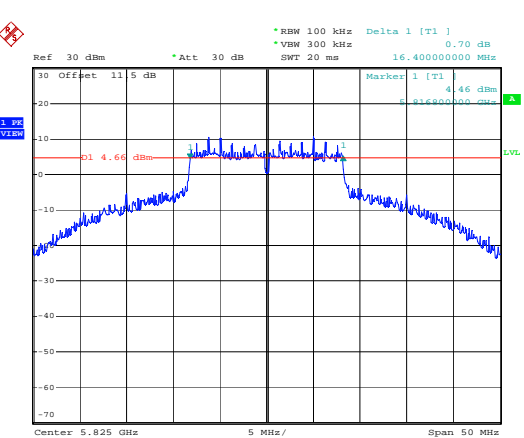
CH157



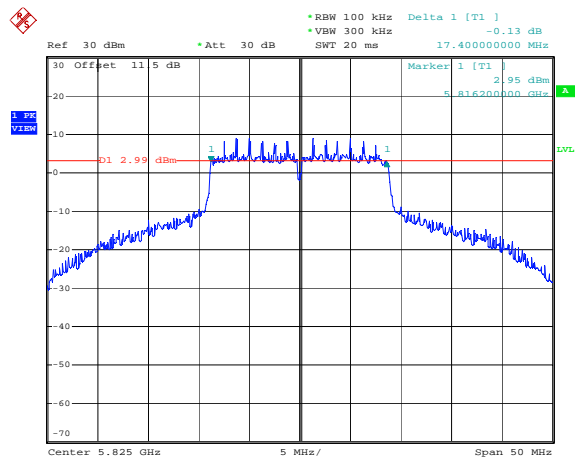
CH157



CH165



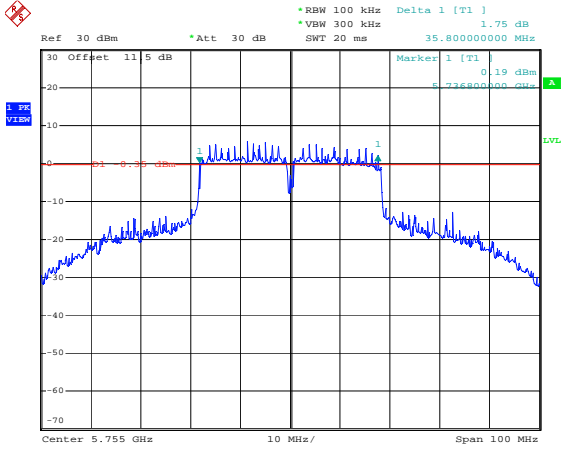
CH165



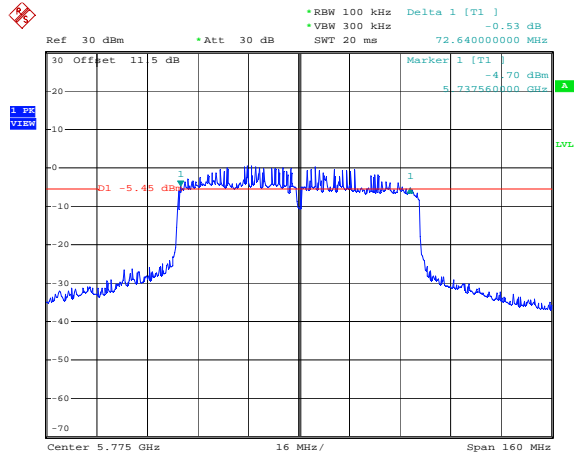


Antenna 1

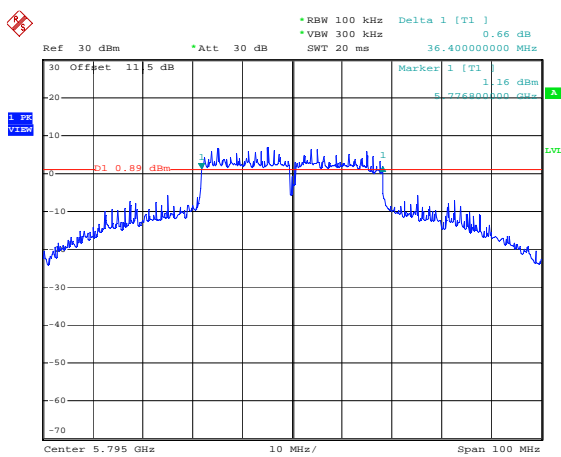
Modulation Standard: 802.11ac, VHT40 (13.5Mbps)
CH151



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



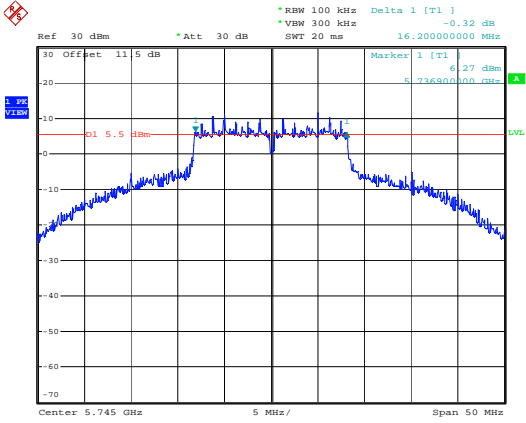
CH159



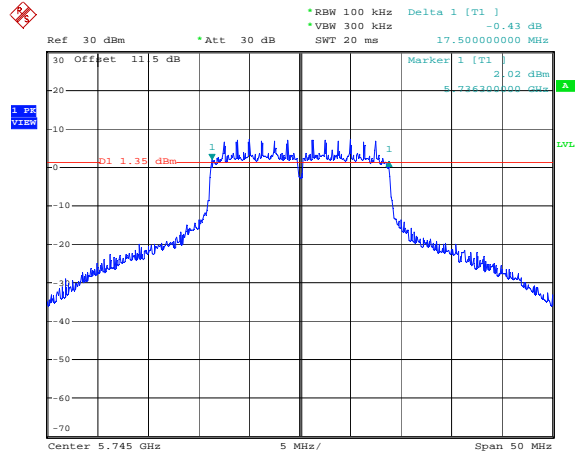


Antenna 2

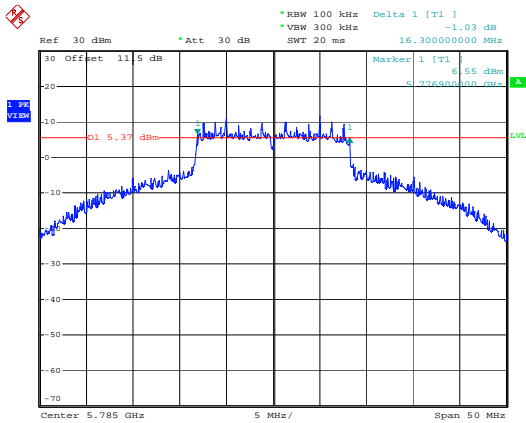
Modulation Standard: 802.11a (6Mbps)
CH149



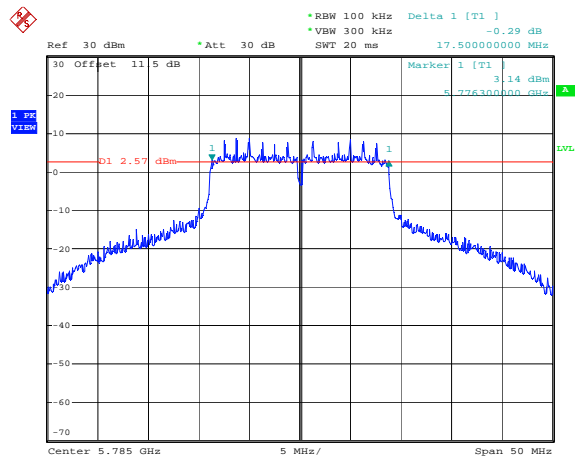
Modulation Standard: 802.11ac, VHT20 (6.5Mbps)
CH149



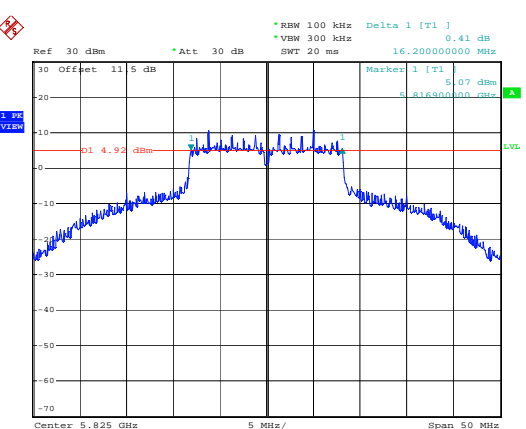
CH157



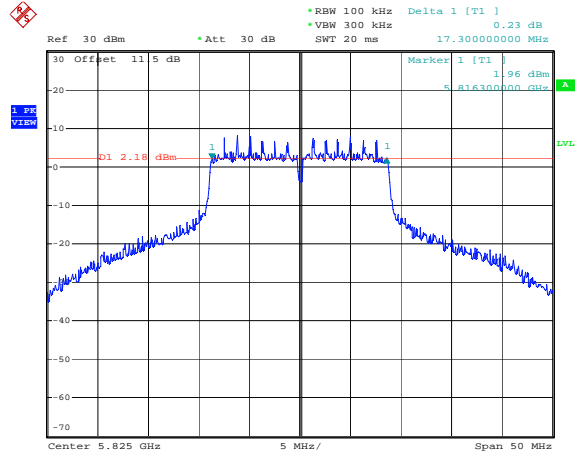
CH157



CH165



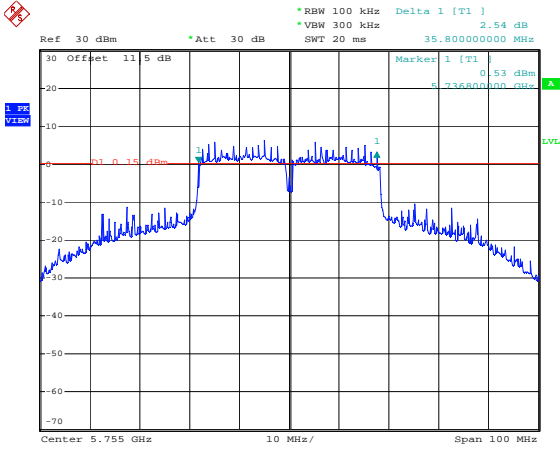
CH165



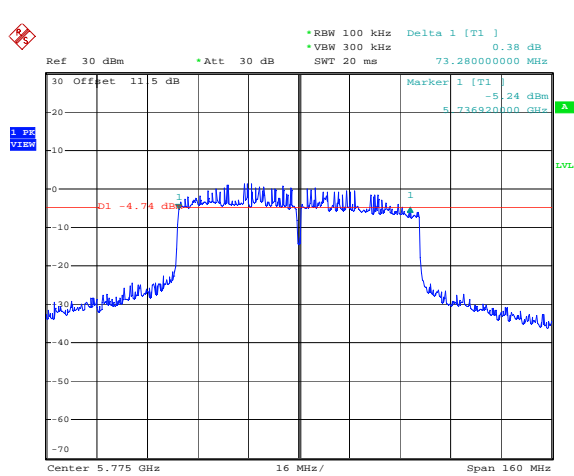


Antenna 2

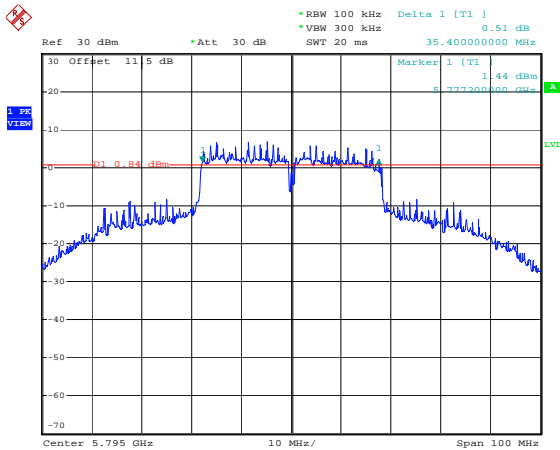
Modulation Standard: 802.11ac, VHT40 (13.5Mbps) CH151



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



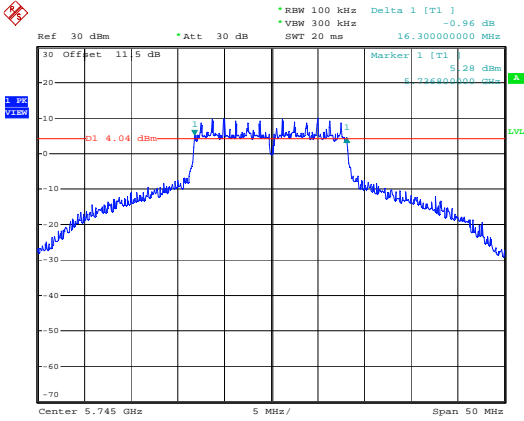
CH159



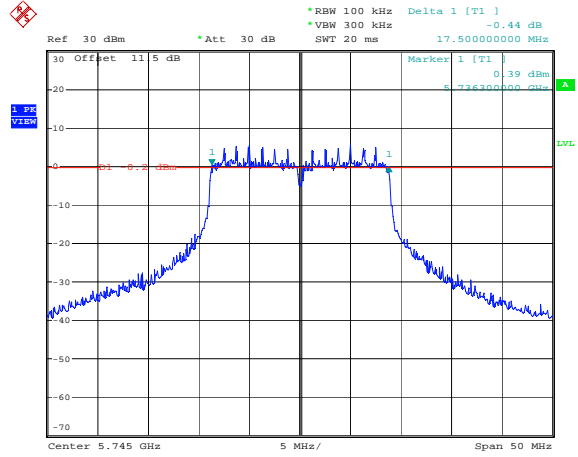


Antenna 3

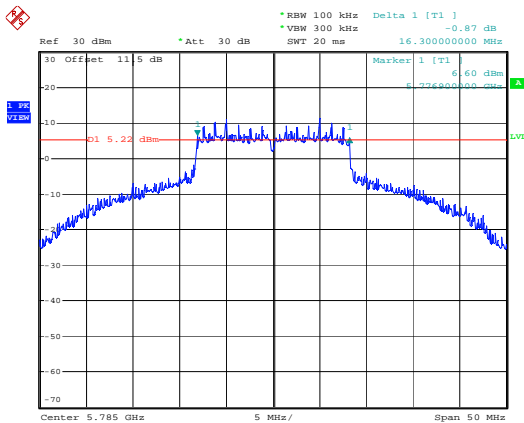
Modulation Standard: 802.11a (6Mbps)
CH149



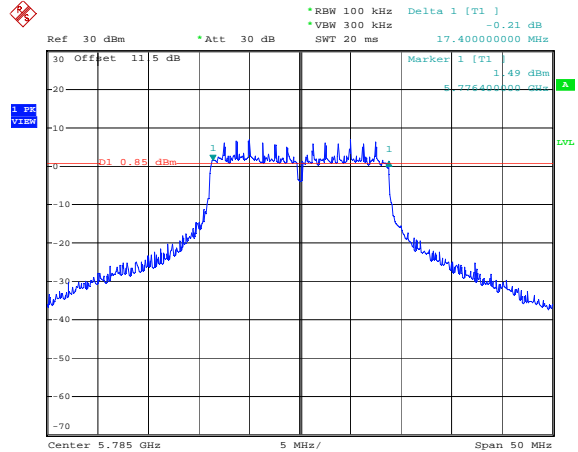
Modulation Standard: 802.11ac, VHT20 (6.5Mbps)
CH149



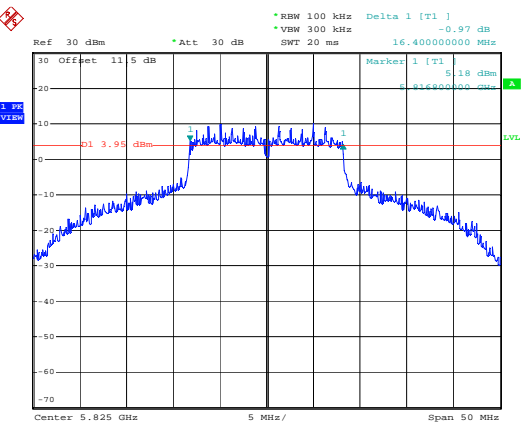
CH157



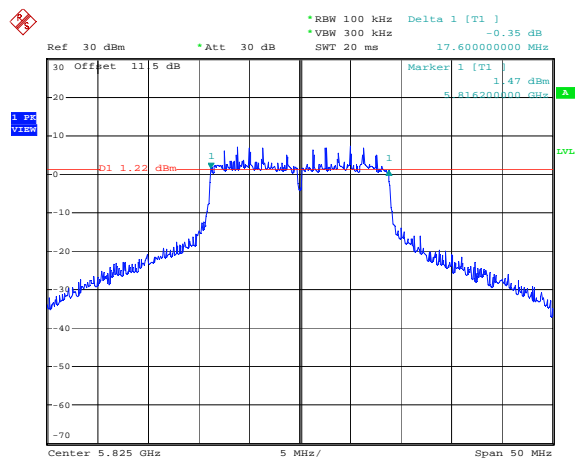
CH157



CH165



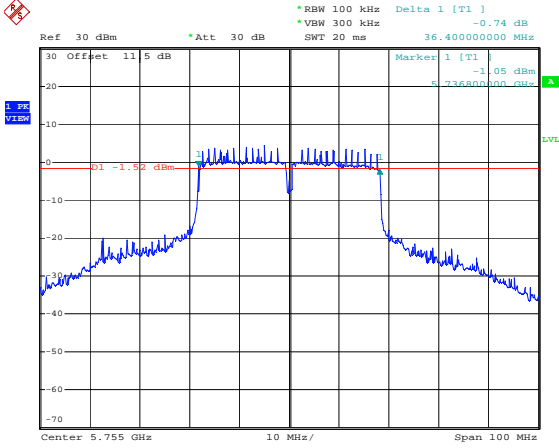
CH165



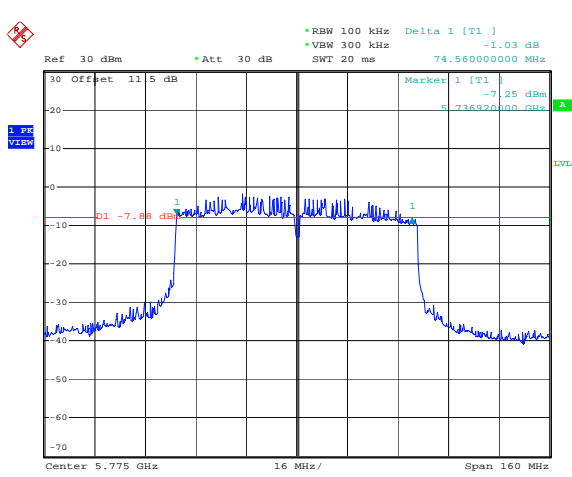


Antenna 3

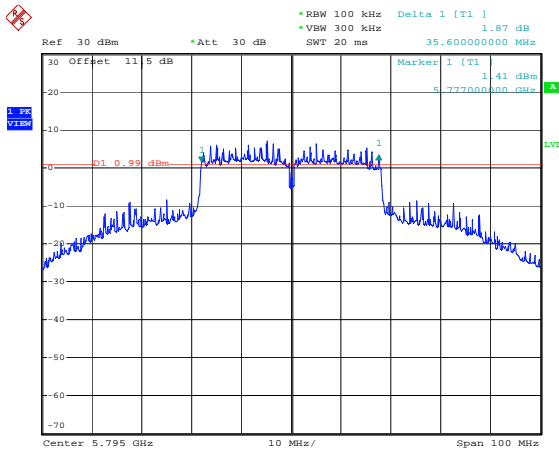
Modulation Standard: 802.11ac, VHT40 (13.5Mbps)
CH151



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



CH159





9. 26dB Bandwidth

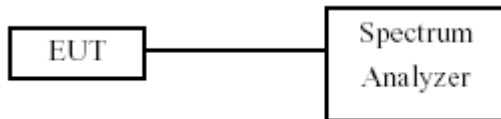
9.1. Test Limit

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 >= 3 x RBW, peak detector and max hold.

9.3. Test Setup Layout



9.4. Test Result and Data

Test Date: Oct. 04, 2016

Temperature: 22°C

Atmospheric pressure: 1018 hPa

Humidity: 65%

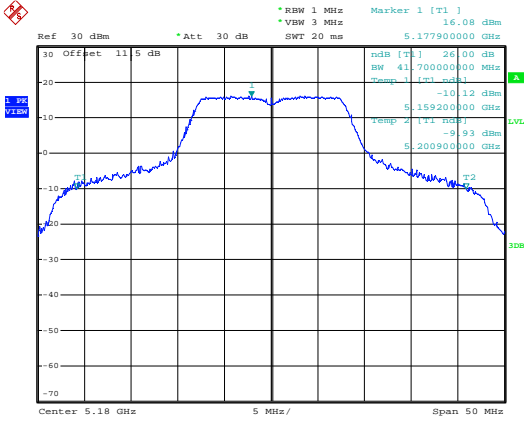
In the 5.2G Band

Modulation Type	Channel	Frequency (MHz)	26dB Bandwidth (MHz)		
			ANT 1	ANT 2	ANT 3
802.11a	36	5180	41.70	25.70	24.50
	44	5220	58.40	47.68	51.68
	48	5240	44.90	37.90	39.80
802.11ac VHT20	36	5180	36.70	25.70	24.60
	44	5220	50.08	46.40	45.44
	48	5240	43.00	31.10	26.20
802.11ac VHT40	38	5190	47.80	47.00	46.20
	46	5230	85.00	55.40	50.40
802.11ac VHT80	42	5210	88.00	87.68	87.68

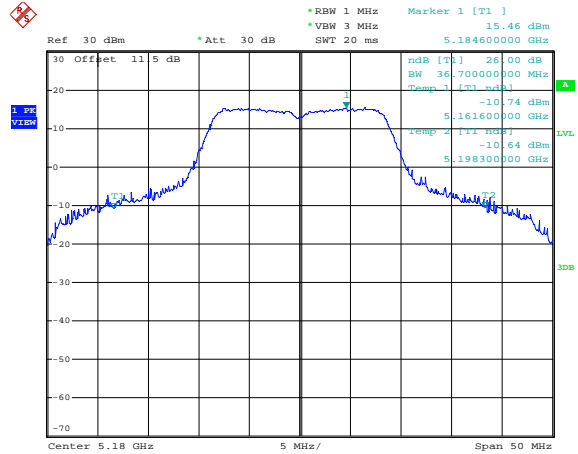


Antenna 1

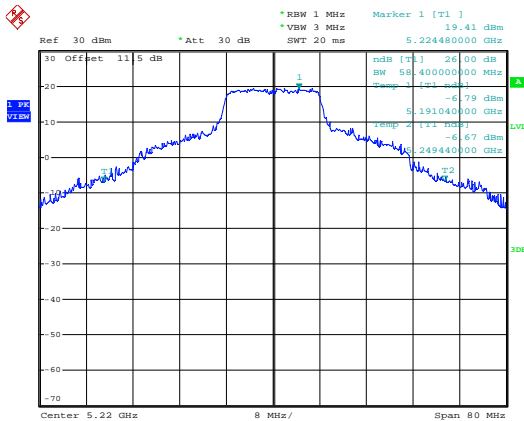
Modulation Standard: 802.11a (6Mbps) CH36



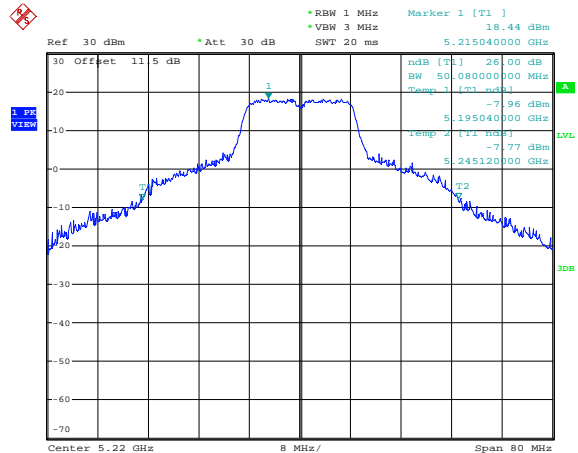
Modulation Standard: 802.11ac, VHT20 (6.5Mbps) CH36



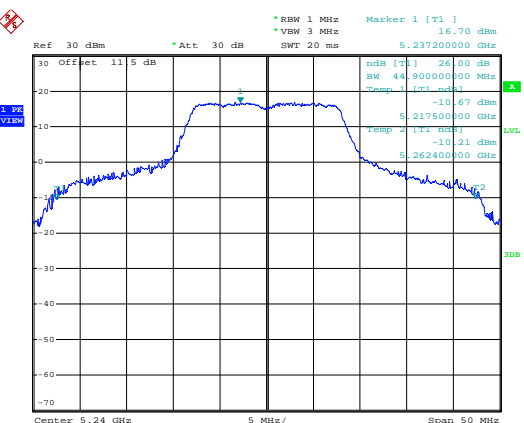
CH44



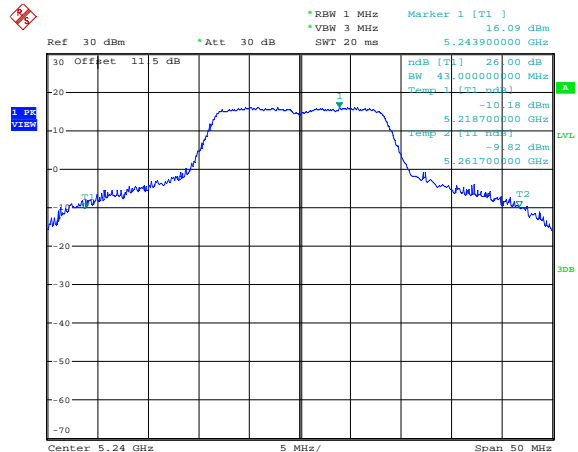
CH44



CH48



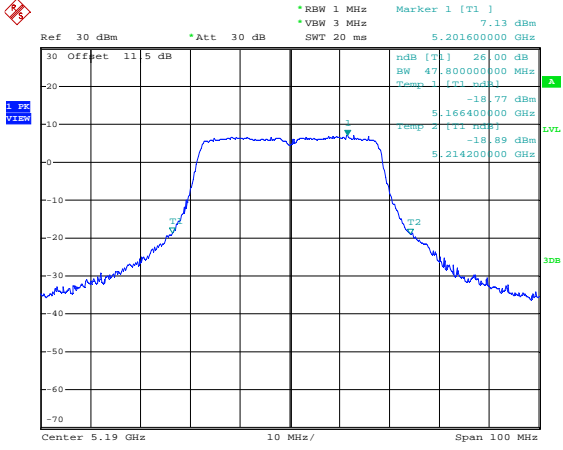
CH48



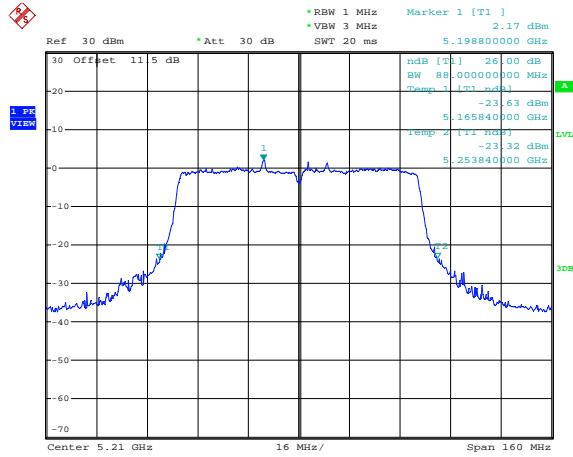


Antenna 1

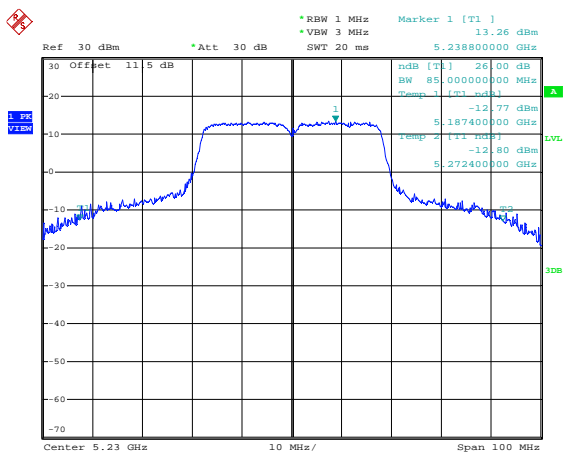
Modulation Standard: 802.11ac, VHT40 (13.5Mbps) CH38



Modulation Standard: 802.11ac, VHT80 (29.3Mbps) CH42



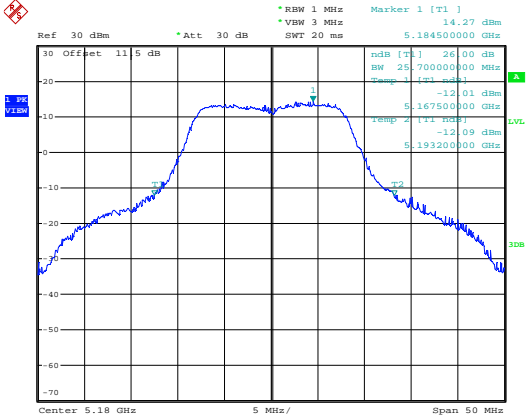
CH46



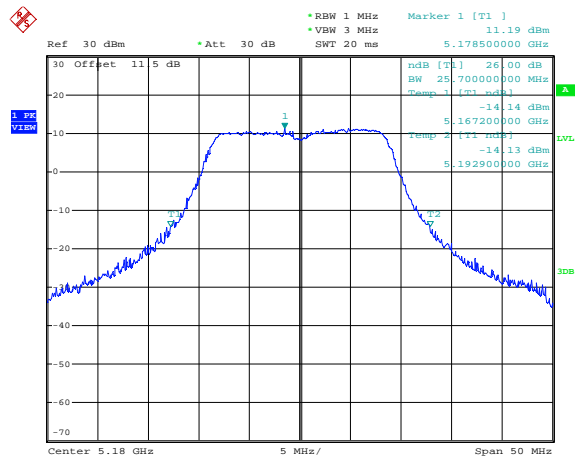


Antenna 2

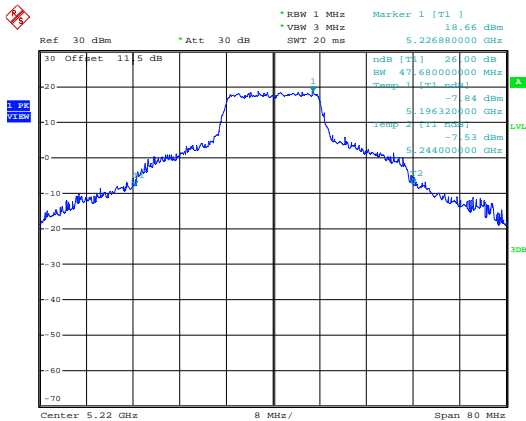
Modulation Standard: 802.11a (6Mbps)
CH36



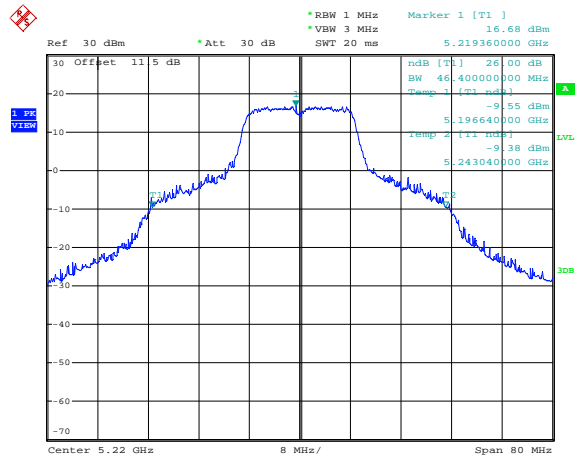
Modulation Standard: 802.11ac, VHT20 (6.5Mbps)
CH36



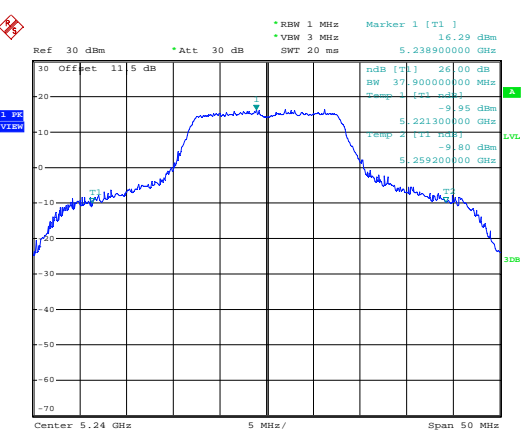
CH44



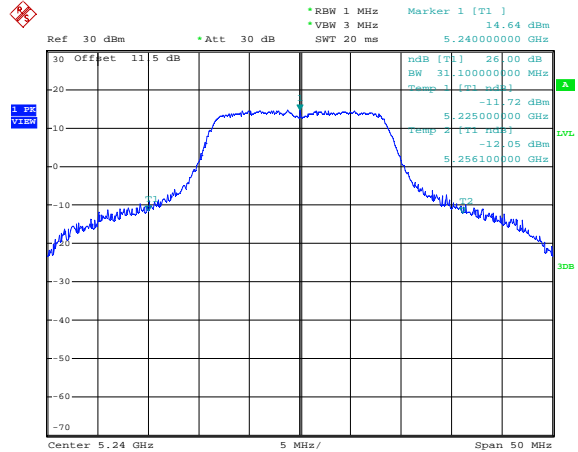
CH44



CH48



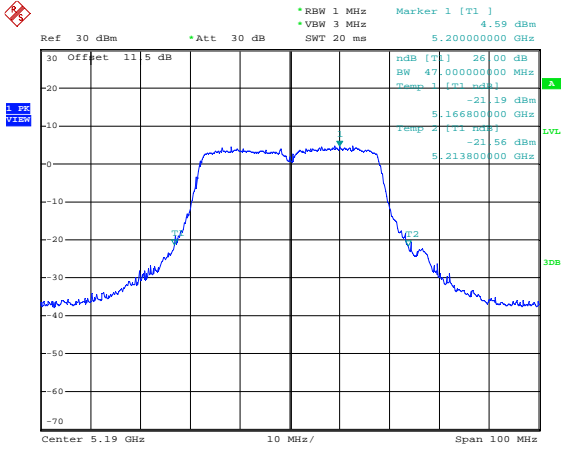
CH48



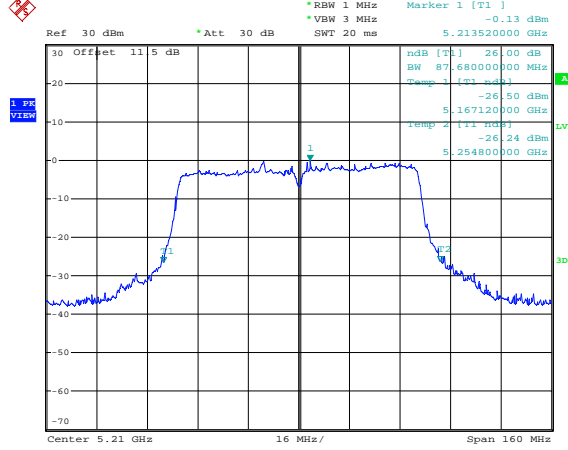


Antenna 2

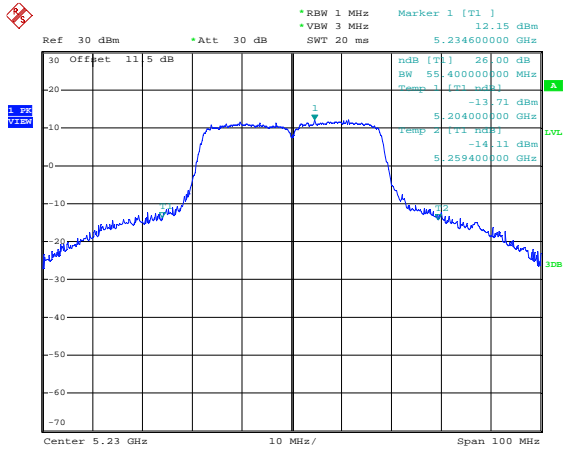
Modulation Standard: 802.11ac, VHT40 (13.5Mbps) CH38



Modulation Standard: 802.11ac, VHT80 (29.3Mbps) CH42



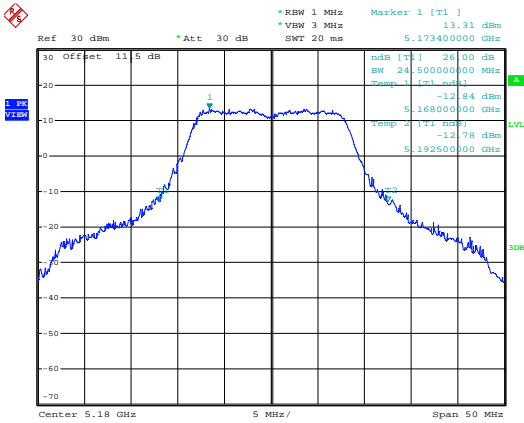
CH46



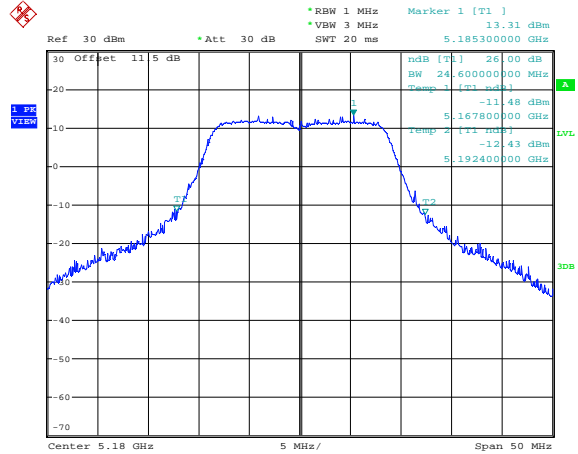


Antenna 3

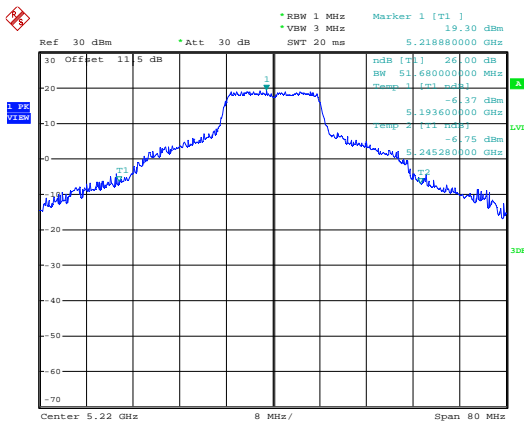
Modulation Standard: 802.11a (6Mbps) CH36



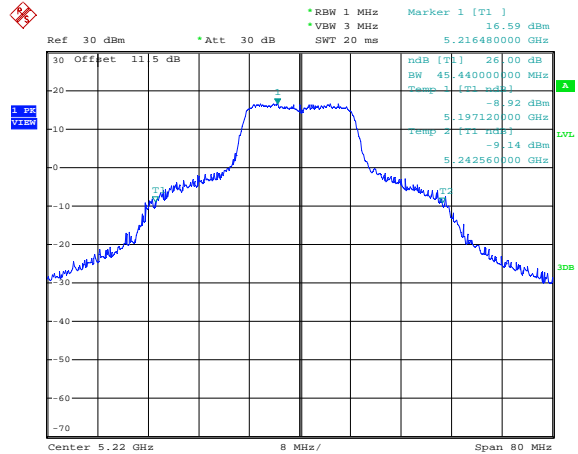
Modulation Standard: 802.11ac, VHT20 (6.5Mbps) CH36



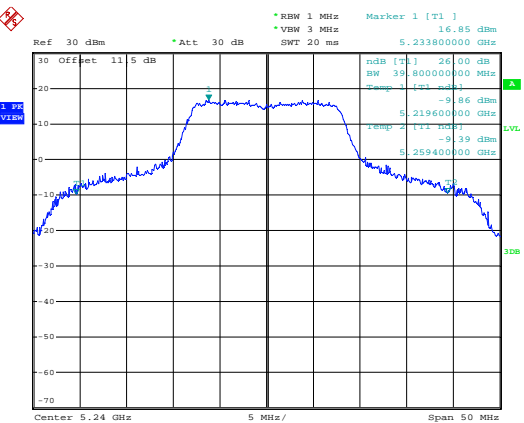
CH44



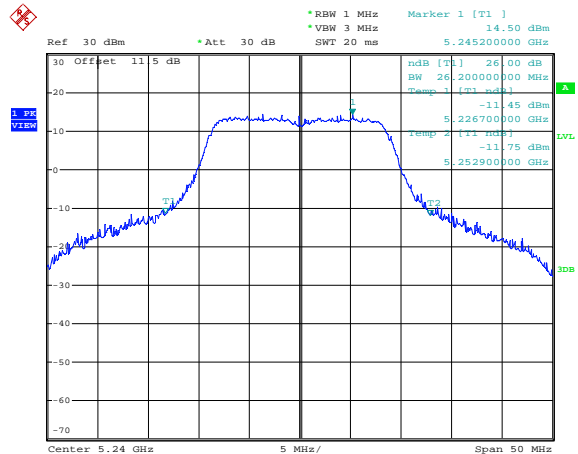
CH44



CH48



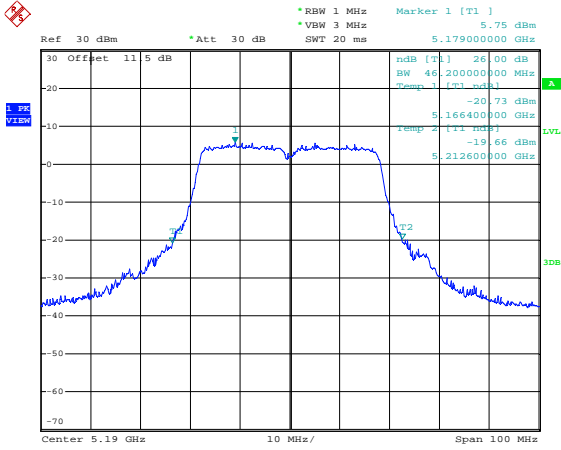
CH48



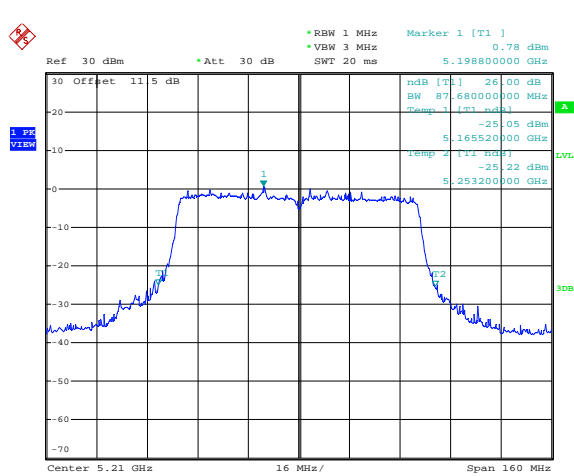


Antenna 3

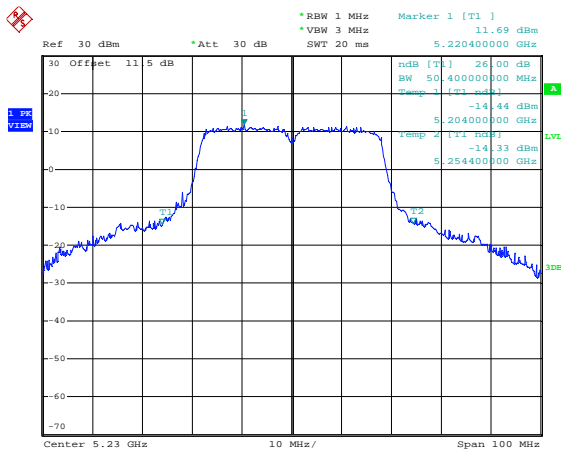
Modulation Standard: 802.11ac, VHT40 (13.5Mbps) CH38



Modulation Standard: 802.11ac, VHT80 (29.3Mbps) CH42



CH46





10. Average Power

10.1. Test Limit

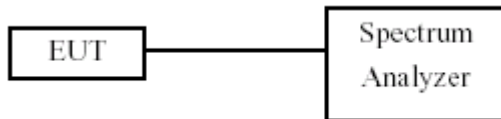
None; for reporting purposes only.

10.2. Test Procedure

The transmitter output is connected to a power meter.

The cable assembly insertion loss of 11 dB (including 10 dB pad and 1 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

Test Date: Oct. 04, 2016

Temperature: 22°C

Atmospheric pressure: 1018 hPa

Humidity: 65%

In the 5.2G Band

Modulation Type	Channel	Frequency (MHz)	Avg Power Output (dBm)			
			ANT 1	ANT 2	ANT 3	1+2+3
802.11a	36	5180	17.98	15.41	14.44	20.98
	44	5220	21.57	21.12	20.83	25.96
	48	5240	18.91	18.05	16.9	22.80
802.11an HT20	36	5180	17.82	15.04	14.22	20.75
	44	5220	20.05	19.12	18.79	24.12
	48	5240	18.31	16.89	15.95	21.93
802.11an H420	38	5190	11.89	9.62	10.31	15.48
	46	5230	18.41	17.02	16.28	22.10
802.11ac VHT20	36	5180	17.85	15.09	14.27	20.79
	44	5220	20.11	19.16	18.84	24.18
	48	5240	18.37	16.95	16.01	21.99
802.11ac VHT40	38	5190	11.93	9.67	10.35	15.53
	46	5230	18.45	17.06	16.33	22.14
802.11ac VHT80	42	5210	8.88	6.95	7.15	12.52



Test Date: Oct. 04, 2016

Temperature: 22°C

Atmospheric pressure: 1018 hPa

Humidity: 65%

In the 5.8G Band

Modulation Type	Channel	Frequency (MHz)	Avg Power Output (dBm)			
			ANT 1	ANT 2	ANT 3	1+2+3
802.11a	149	5745	19.91	19.86	19.11	24.41
	157	5785	19.57	19.52	19.09	24.17
	165	5825	19.31	18.71	18.36	23.58
802.11an HT20	149	5745	17.59	17.52	15.11	21.65
	157	5785	18.01	18.19	17.05	22.55
	165	5825	18.29	17.58	15.93	22.15
802.11an H420	151	5755	18.49	19.11	17.15	23.10
	159	5795	19.79	19.69	19.12	24.31
802.11ac VHT20	149	5745	17.63	17.58	15.14	21.70
	157	5785	18.05	18.23	17.09	22.59
	165	5825	18.35	17.62	15.98	22.20
802.11ac VHT40	151	5755	18.52	19.15	17.23	23.14
	159	5795	19.83	19.74	19.14	24.35
802.11ac VHT80	155	5775	15.95	16.48	13.94	20.36



11. Output Power and PPSD

11.1. 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 checked="" 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 type="checkbox"/>	Mobile and portable 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 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 type="checkbox"/>	5.470-5.725 GHz	
<input checked="" type="checkbox"/>	5.725~5.85 GHz	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). 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. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power.

PSD:

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

As an alternative to FCC KDB-789033, the EUT maximum conducted output power was Measured with an average power meter employing a video bandwidth greater than 6dB BW of the emission under test. Maximum conducted output power was read directly from the meter across all data rates, and across three channels within each sub-band. Special care was used to make sure that the EUT was transmitting in continuous mode. This method exceeds the limitations of FCC KDB-789033, and provides more accurate measurements.

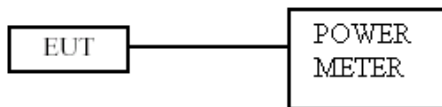
802.11an (BW ≤ 40MHz) Maximum conducted output power using KDB 789033 section E)3)b) Method PM-G (Measurement using a gated RF average power meter)

Note: the power meter have a video bandwidth that is greater than or equal to the measurement bandwidth, (Anritsu/ MA2411B video bandwidth: 65MHz)

802.11ac (BW=80MHz) Maximum conducted output power using KDB 789033 section E)2)b) Method SA-1 (trace averaging with the EUT transmitting at full power throughout each sweep).

When transmitted signals consist of two or more non-contiguous spectrum segments (e.g., 80+80 MHz mode) or when a single spectrum segment of a transmission crosses the boundary between two adjacent U-NII bands, KDB 644545 D01 section F) procedure is used for measurements.

11.3. Test Setup Layout





11.4. Test Result and Data

Test Date: Oct. 04, 2016

Temperature: 22°C

Atmospheric pressure: 1018 hPa

Humidity: 65%

In the 5.2G Band

Modulation Type	CH	Freq. (MHz)	Meas PPSD (dBm/MHz)			Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PPSD (dBm/MHz)	PPSD Limit (dBm/MHz)
			ANT 1	ANT 2	ANT 3				
802.11a	36	5180	6.61	4.33	3.37	9.76	0.10	9.87	16.23
	44	5220	9.59	9.69	9.80	14.47	0.10	14.57	16.23
	48	5240	7.60	6.63	5.54	11.44	0.10	11.55	16.23
802.11ac VHT20	36	5180	6.38	2.82	3.19	9.21	0.11	9.33	16.23
	44	5220	8.31	7.62	7.13	12.49	0.11	12.60	16.23
	48	5240	6.68	5.18	4.45	10.31	0.11	10.42	16.23
802.11ac VHT40	38	5190	-2.42	-4.53	-4.23	1.15	0.23	1.38	16.23
	46	5230	3.36	2.42	1.61	7.29	0.23	7.52	16.23
802.11ac VHT80	42	5210	-9.61	-10.18	-10.89	-5.42	0.52	-4.90	16.23

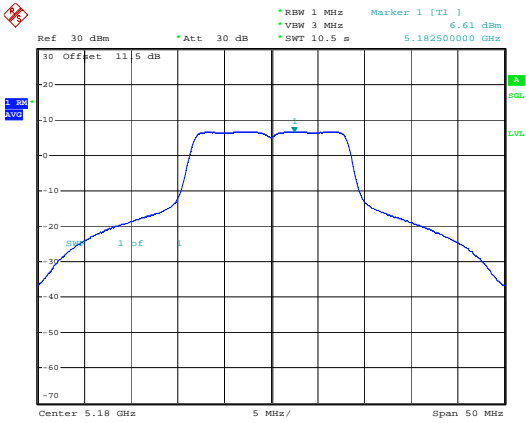
In the 5.8G Band

Modulation Type	CH	Freq. (MHz)	Meas PPSD (dBm/MHz)			Sum chain (dBm)	Duty Cycle CF(dB)	10log (500KHz/RBW) CF (dB)	Total Corr'd PPSD (dBm/500KHz)	PPSD Limit (dBm/500KHz)
			ANT 1	ANT 2	ANT 3					
802.11a	149	5745	8.64	9.06	8.79	13.60	0.10	-3.01	10.70	29.23
	157	5785	9.07	9.21	8.55	13.72	0.10	-3.01	10.82	29.23
	165	5825	8.70	8.36	7.82	13.08	0.10	-3.01	10.17	29.23
802.11ac VHT20	149	5745	5.97	6.19	4.27	10.33	0.11	-3.01	7.43	29.23
	157	5785	6.98	6.96	5.53	11.31	0.11	-3.01	8.41	29.23
	165	5825	7.06	6.65	4.57	10.99	0.11	-3.01	8.09	29.23
802.11ac VHT40	151	5755	4.74	4.87	3.07	9.07	0.23	-3.01	6.29	29.23
	159	5795	5.35	5.57	4.54	9.95	0.23	-3.01	7.16	29.23
802.11ac VHT80	155	5775	-1.04	-0.57	-2.87	3.39	0.52	-3.01	0.90	29.23

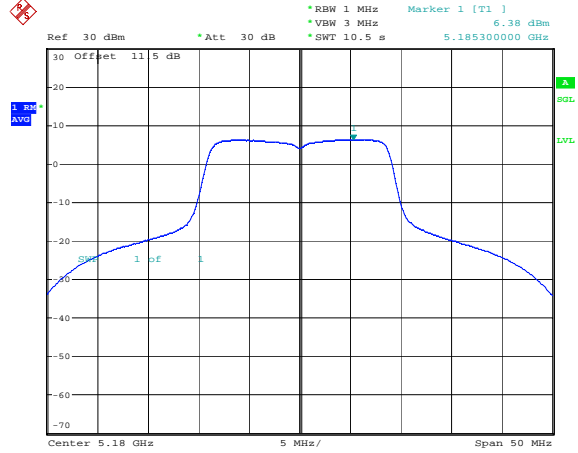


5.2G Band
Antenna 1

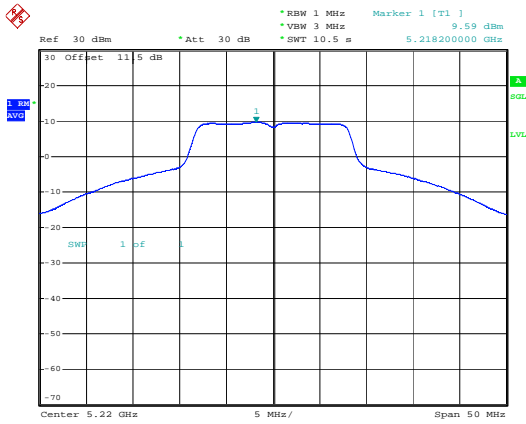
Modulation Standard: 802.11a (6Mbps)
CH36



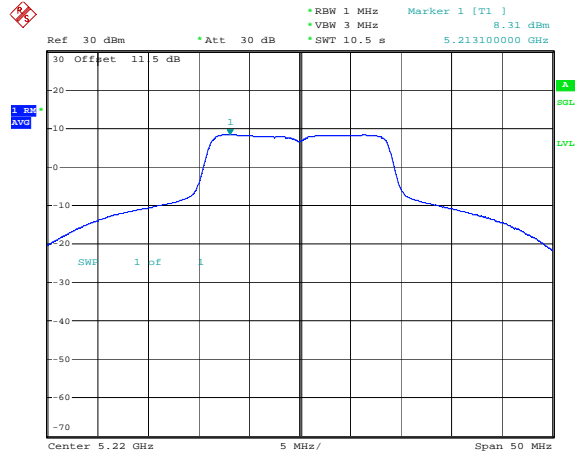
Modulation Standard: 802.11ac, VHT20 (6.5Mbps)
CH36



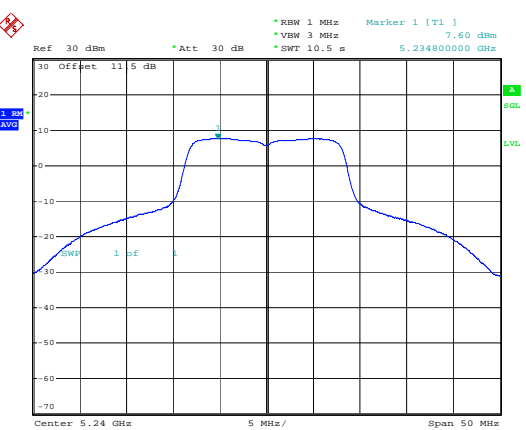
CH44



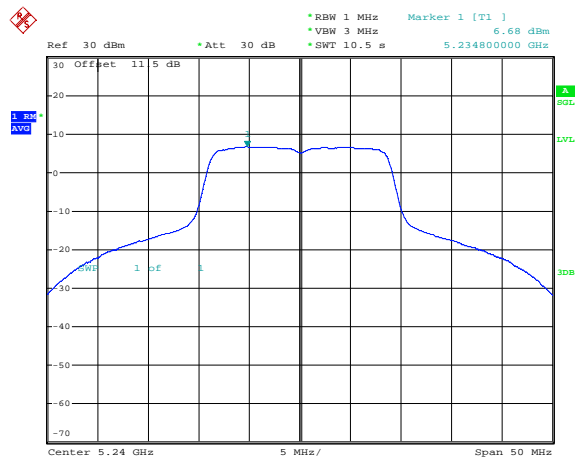
CH44



CH48



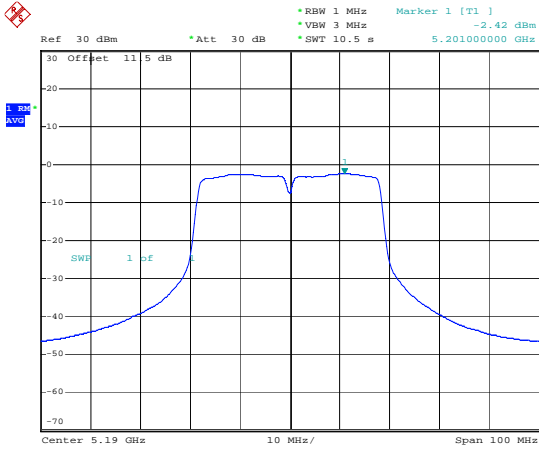
CH48



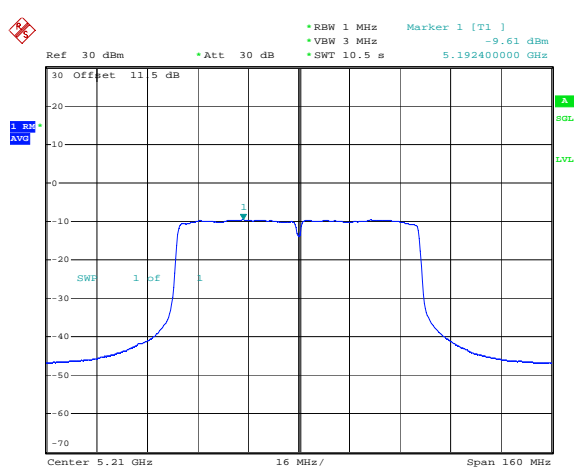


Antenna 1

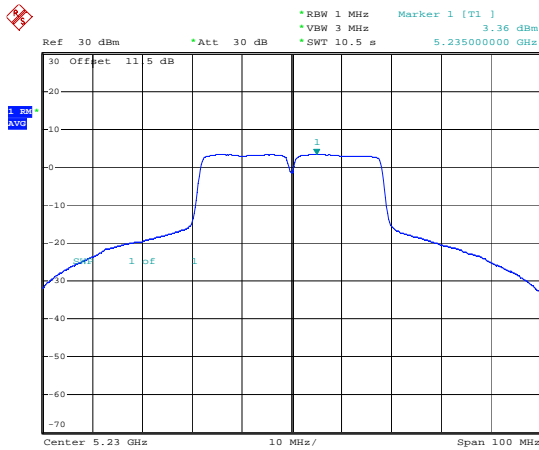
Modulation Standard: 802.11ac, VHT40 (13.5Mbps)
CH38



Modulation Standard: 802.11ac, VHT80 (29.3Mbps)
CH42



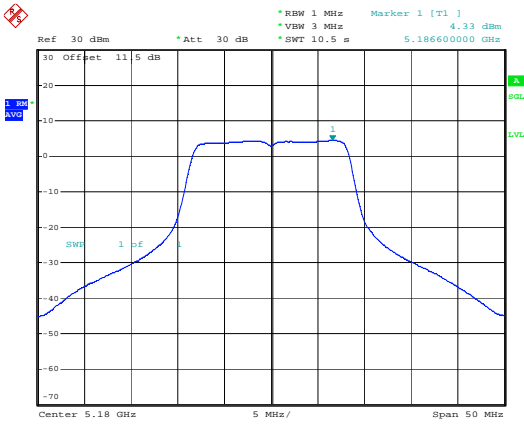
CH46



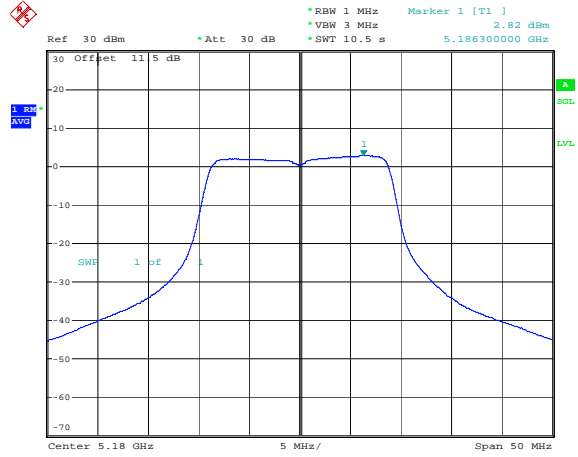


Antenna 2

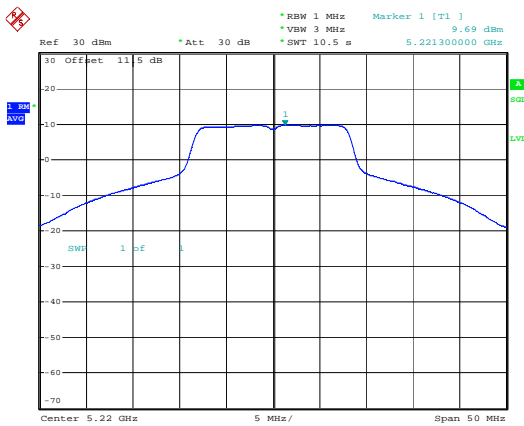
Modulation Standard: 802.11a (6Mbps)
CH36



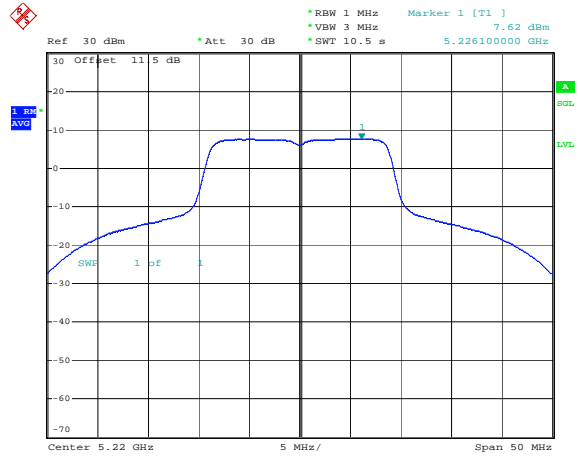
Modulation Standard: 802.11ac, VHT20 (6.5Mbps)
CH36



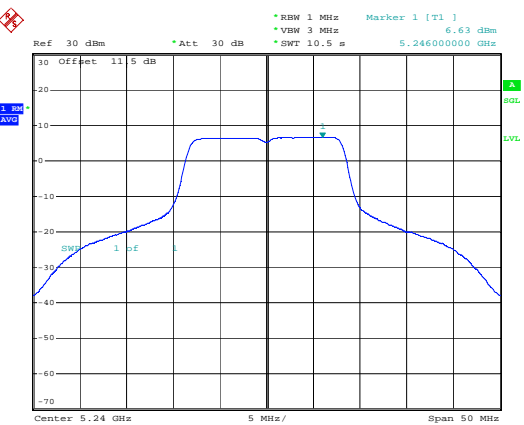
CH44



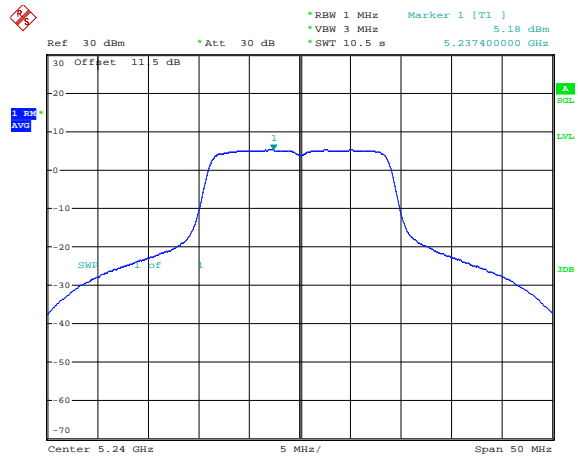
CH44



CH48



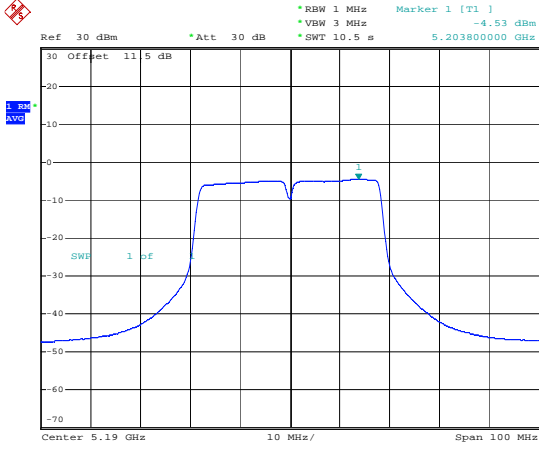
CH48



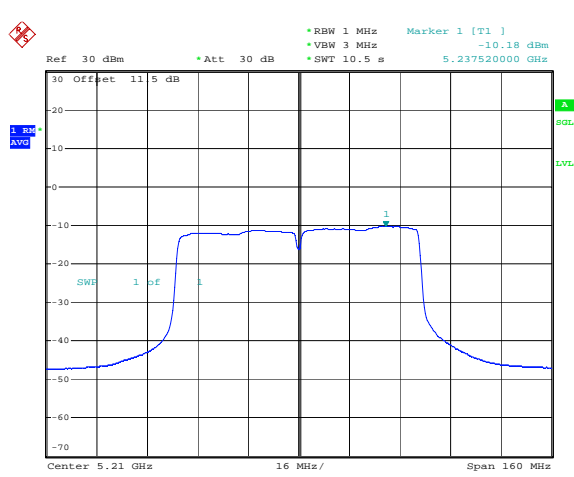


Antenna 2

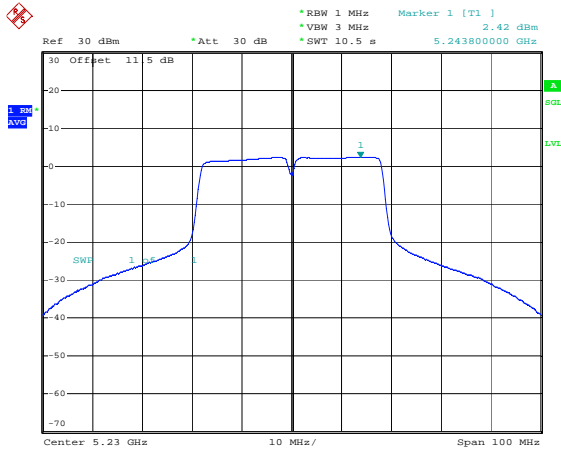
Modulation Standard: 802.11ac, VHT40 (13.5Mbps)
CH38



Modulation Standard: 802.11ac, VHT80 (29.3Mbps)
CH42



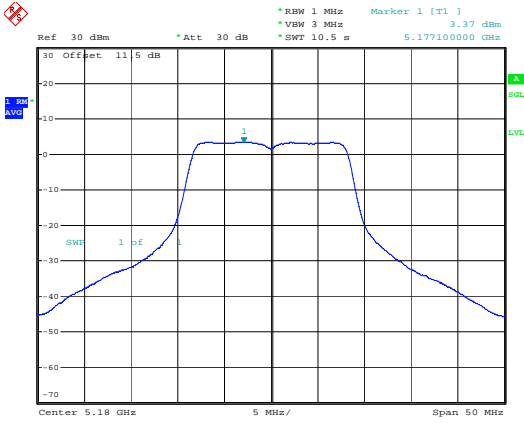
CH46



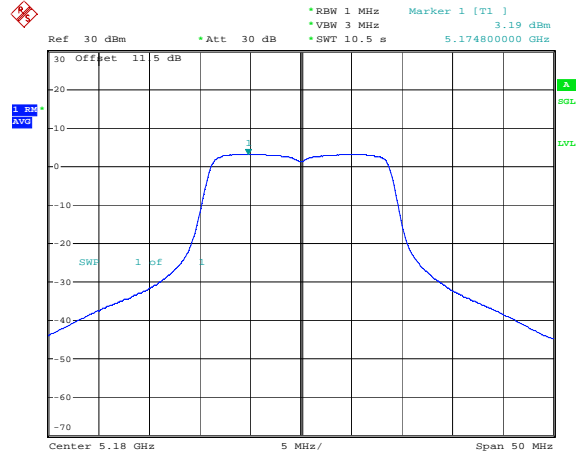


Antenna 3

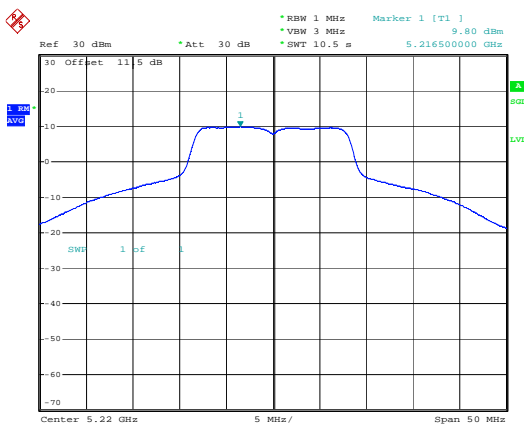
Modulation Standard: 802.11a (6Mbps)
CH36



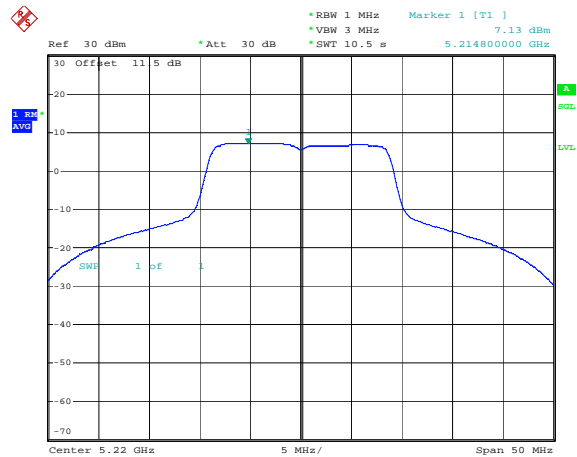
Modulation Standard: 802.11ac, VHT20 (6.5Mbps)
CH36



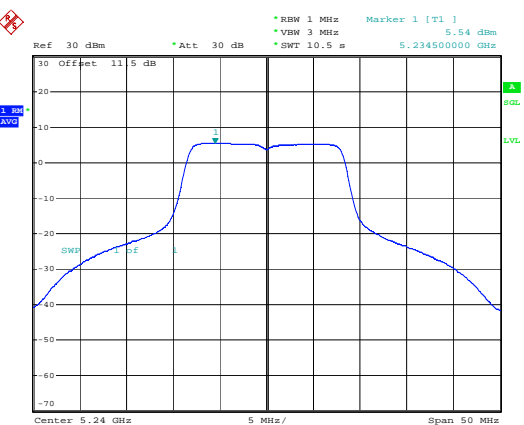
CH44



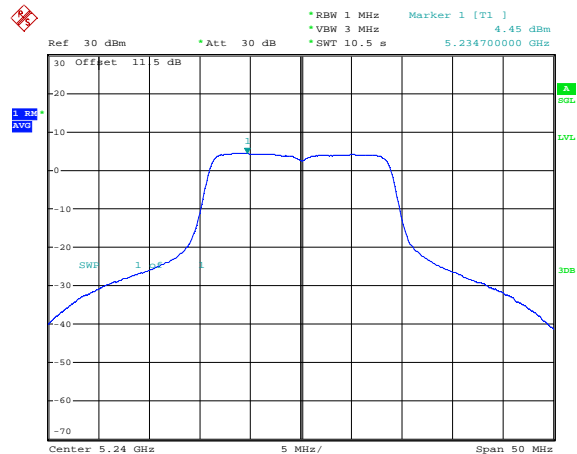
CH44



CH48



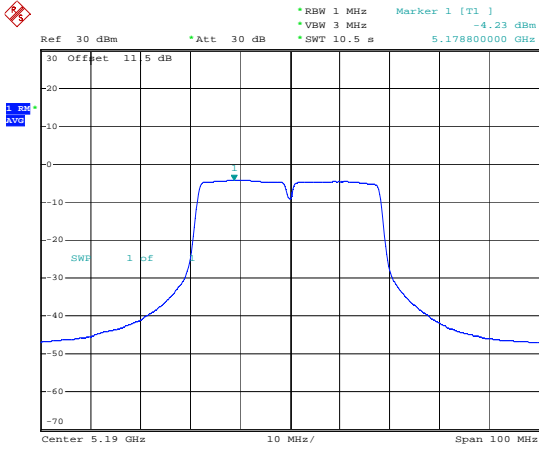
CH48



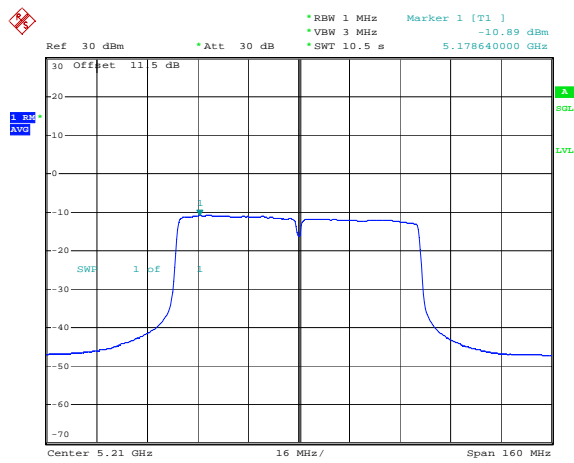


Antenna 3

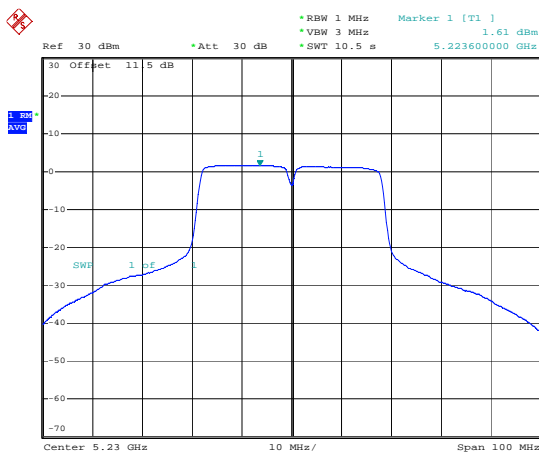
Modulation Standard: 802.11ac, VHT40 (13.5Mbps) CH38



Modulation Standard: 802.11ac, VHT80 (29.3Mbps) CH42



CH46

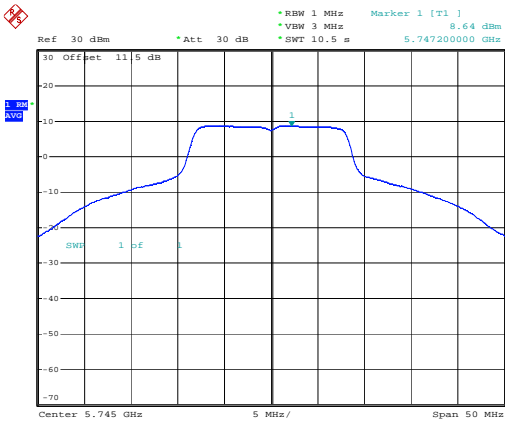




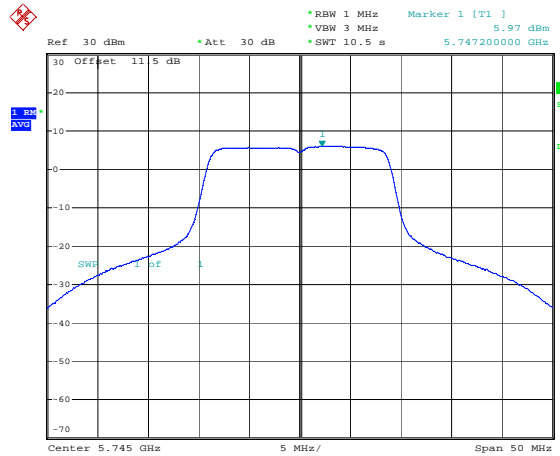
5.8G Band

Antenna 1

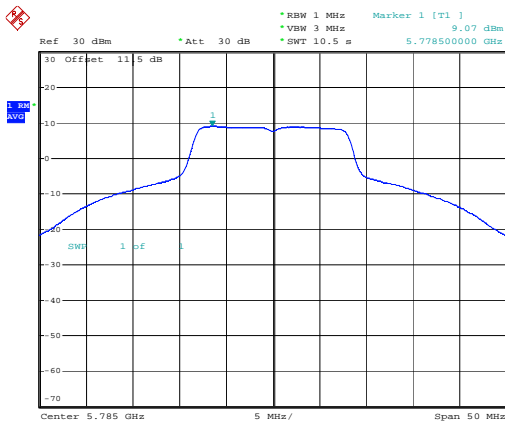
Modulation Standard: 802.11a (6Mbps)
CH149



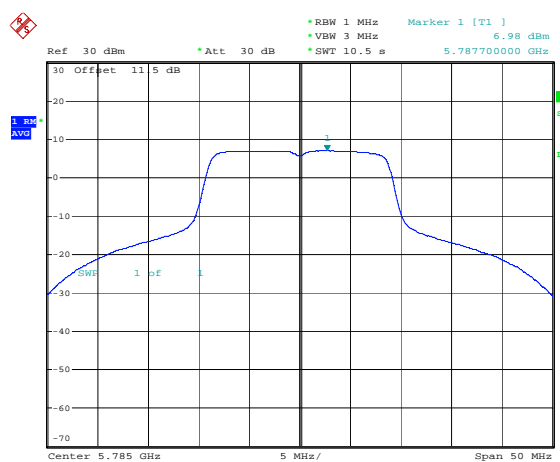
Modulation Standard: 802.11ac, VHT20 (6.5Mbps)
CH149



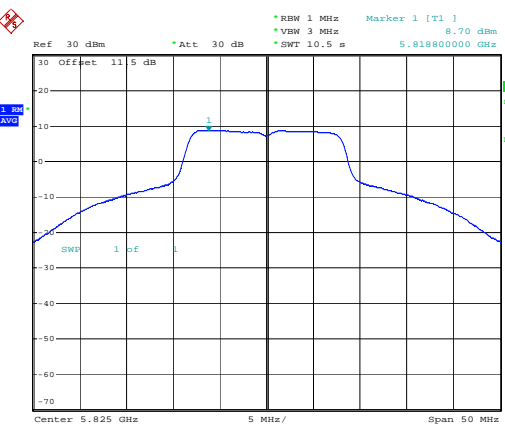
CH157



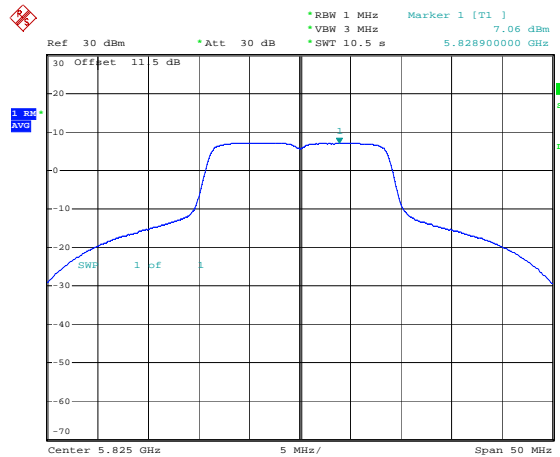
CH157



CH165



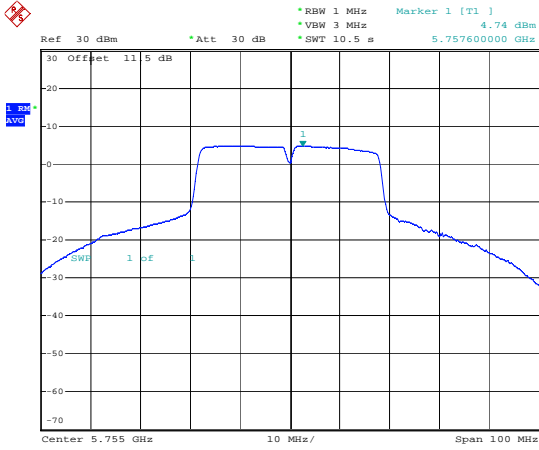
CH165



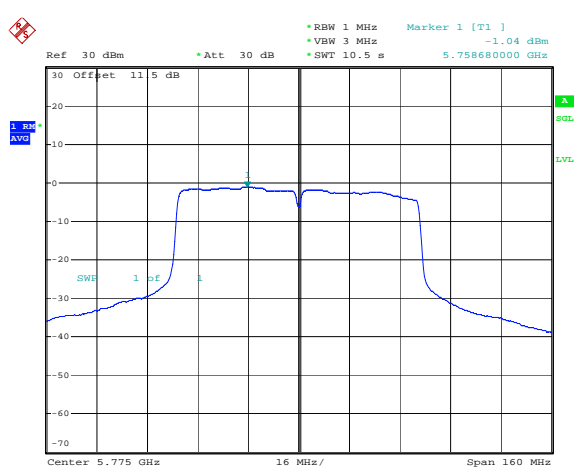


Antenna 1

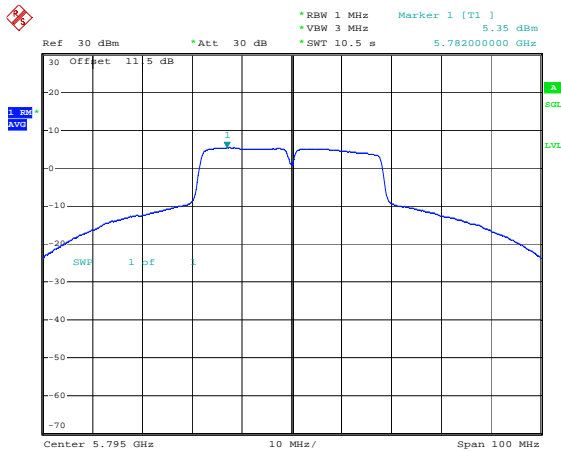
Modulation Standard: 802.11ac, VHT40 (13.5Mbps)
CH151



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



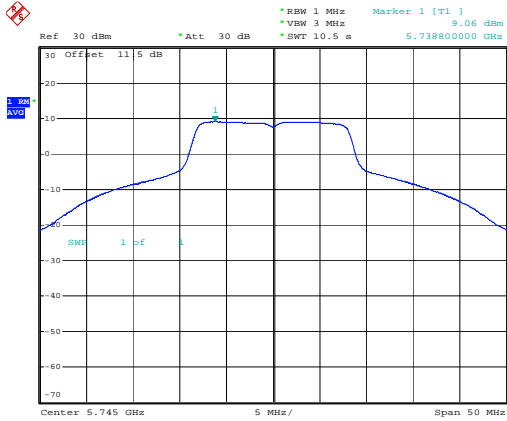
CH159



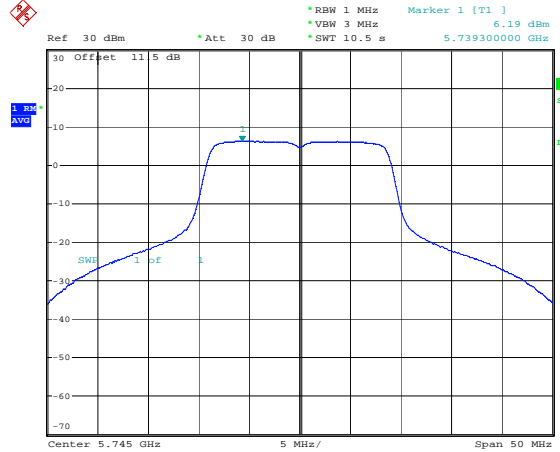


Antenna 2

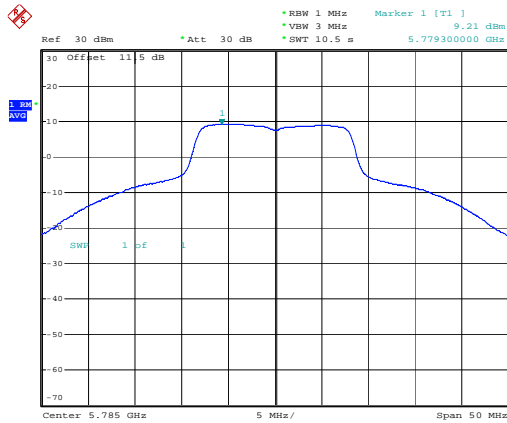
Modulation Standard: 802.11a (6Mbps)
CH149



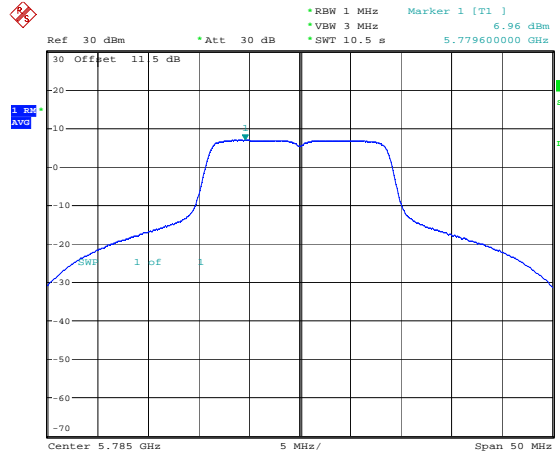
Modulation Standard: 802.11ac, VHT20 (6.5Mbps)
CH149



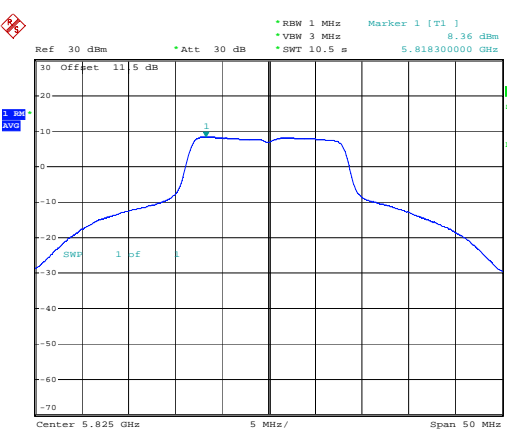
CH157



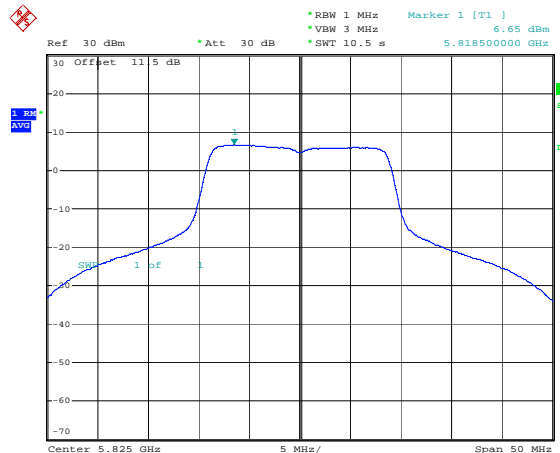
CH157



CH165



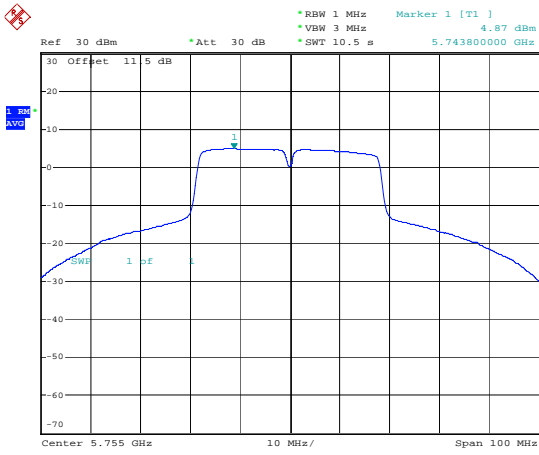
CH165



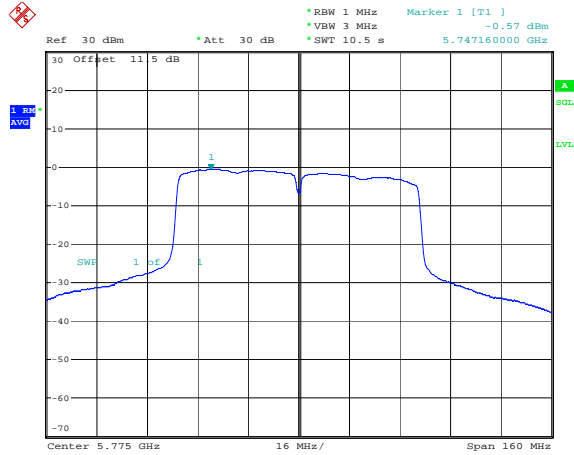


Antenna 2

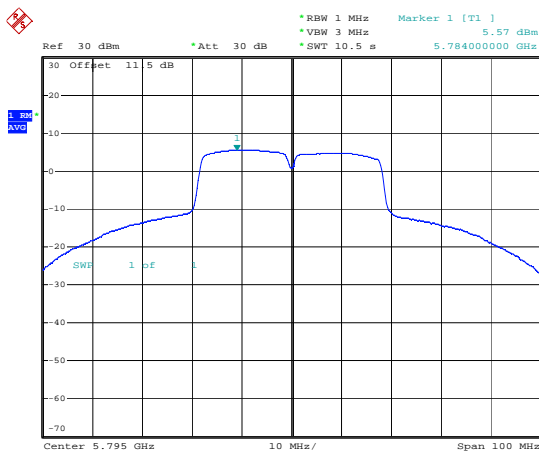
Modulation Standard: 802.11ac, VHT40 (13.5Mbps)
CH151



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



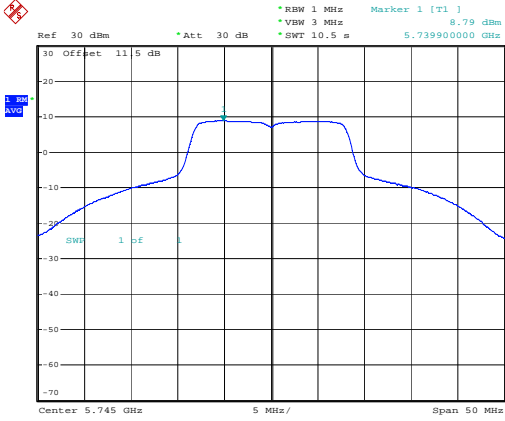
CH159



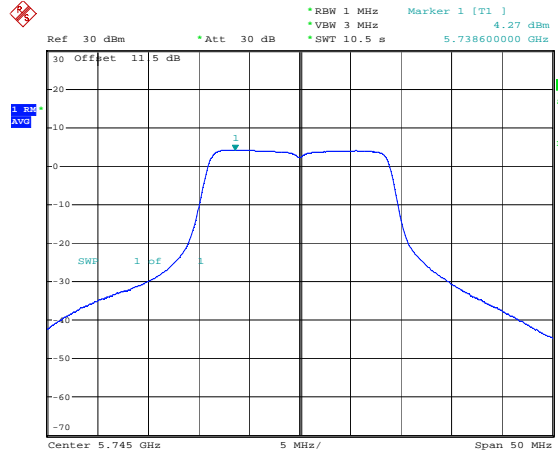


Antenna 3

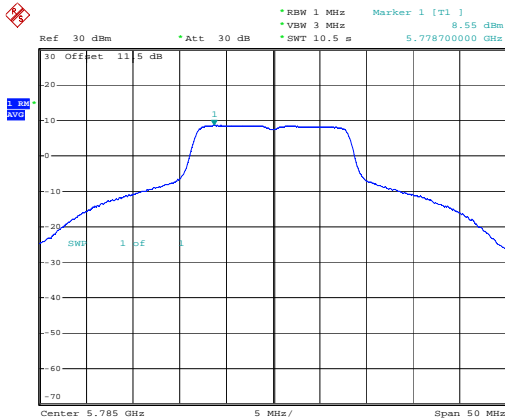
Modulation Standard: 802.11a (6Mbps)
CH149



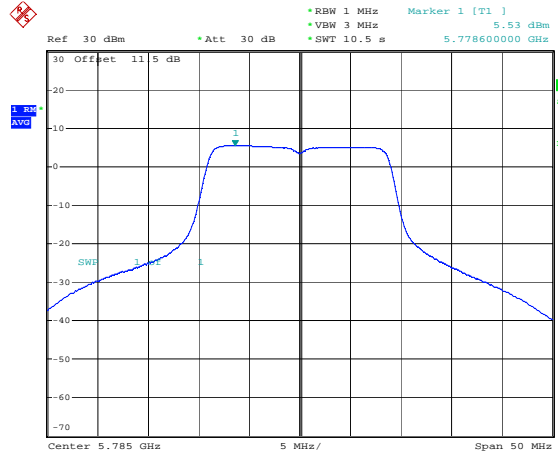
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CH149



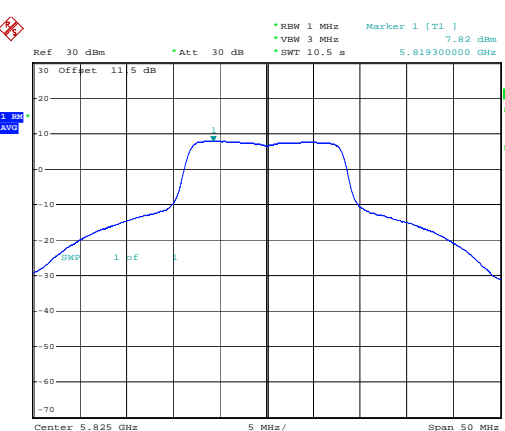
CH157



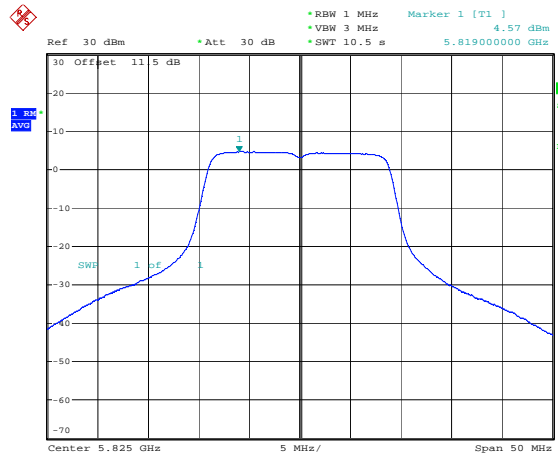
CH157



CH165



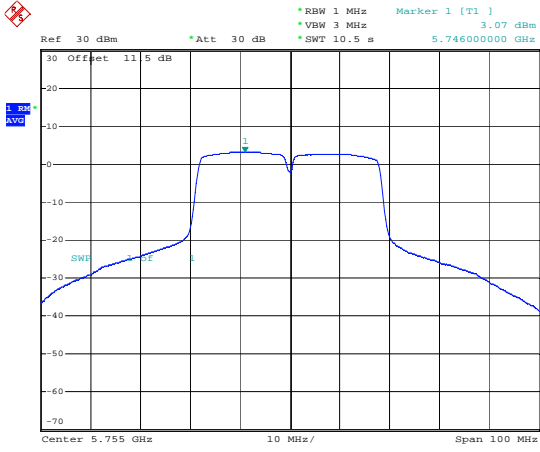
CH165



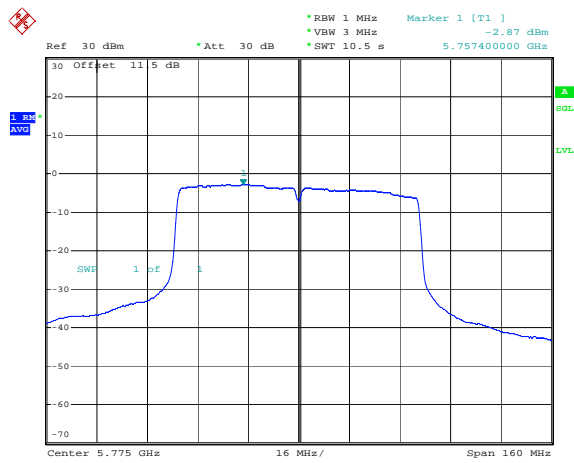


Antenna 3

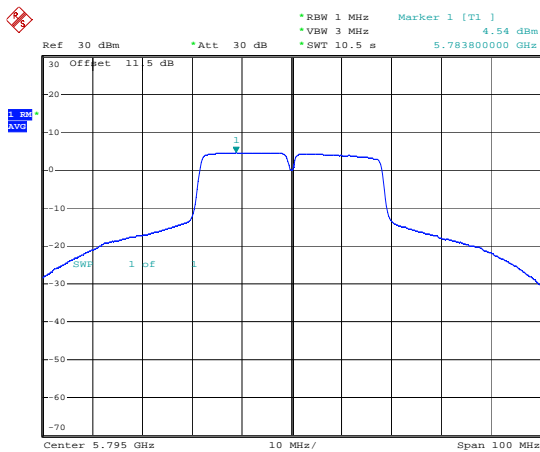
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CH151



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



CH159



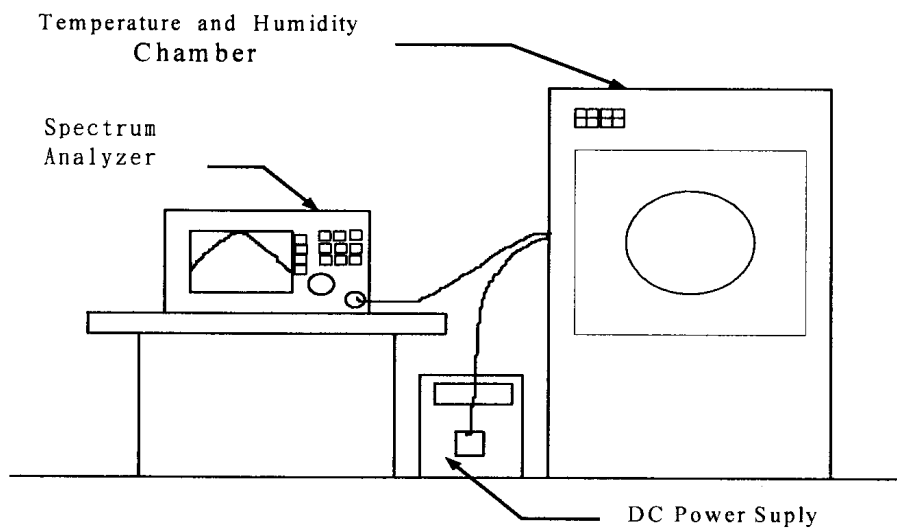


12. Frequency Stability

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

Test Date: Oct. 04, 2016

Temperature: 22°C

Atmospheric pressure: 1018 hPa

Humidity: 65%

Operating frequency: 5180 MHz							
Temp	Power supply	2 minute		5 minute		10 minute	
(°C)	(V)	(MHz)	(%)	(MHz)	(%)	(MHz)	(%)
55	102	5179.6734	-0.006306	5179.1060	-0.017258	5179.7734	-0.043737
	120	5179.2093	-0.015264	5179.2975	-0.013562	5179.9650	-0.006762
	138	5179.2804	-0.013893	5179.1893	-0.015650	5179.1746	-0.159335
40	102	5179.7893	-0.004067	5179.4000	-0.011584	5179.9494	-0.009760
	120	5179.7181	-0.005442	5179.0462	-0.018414	5179.1003	-0.173685
	138	5179.4604	-0.010416	5179.9610	-0.000754	5179.9018	-0.018952
30	102	5179.8168	-0.003538	5179.9434	-0.001092	5179.6209	-0.073193
	120	5179.1877	-0.015681	5179.1093	-0.017195	5179.6197	-0.073409
	138	5179.7704	-0.004432	5179.8925	-0.002075	5179.7525	-0.047774
20	102	5179.9604	-0.000765	5179.8024	-0.003815	5179.4980	-0.096905
	120	5179.5532	-0.008626	5179.8800	-0.002317	5179.1587	-0.162405
	138	5179.8551	-0.002797	5179.5214	-0.009238	5179.8284	-0.033136
10	102	5179.5396	-0.008889	5179.7752	-0.004340	5179.7702	-0.044357
	120	5179.5977	-0.007767	5179.3988	-0.011606	5179.9660	-0.006564
	138	5179.7379	-0.005060	5179.3623	-0.012310	5179.4297	-0.110105
0	102	5179.2221	-0.015017	5179.1477	-0.016454	5179.9306	-0.013392
	120	5179.8788	-0.002339	5179.9931	-0.000132	5179.4799	-0.100403
	138	5179.3554	-0.012444	5179.9355	-0.001245	5179.7837	-0.041752
-10	102	5179.8438	-0.003016	5179.5111	-0.009438	5179.2556	-0.143715
	120	5179.2973	-0.013566	5179.5301	-0.009072	5179.2616	-0.142550
	138	5179.4545	-0.010531	5179.1187	-0.017013	5179.3760	-0.120467
-20	102	5179.9592	-0.000787	5179.8651	-0.002605	5179.1447	-0.165114
	120	5179.5425	-0.008832	5179.5397	-0.008887	5179.1728	-0.159695
	138	5179.8141	-0.003589	5179.3522	-0.012506	5179.0267	-0.187899
-30	102	5179.6632	-0.006501	5179.9271	-0.001408	5179.0031	-0.192460
	120	5179.0932	-0.017506	5179.5124	-0.009413	5179.7506	-0.048155
	138	5179.9817	-0.000353	5179.5247	-0.009176	5179.0320	-0.186876

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.



13. Automatically Discontinue Transmission

13.1. Limit of Automatically Discontinue Transmission

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

13.2. Test Result of Automatically Discontinue Transmission

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.