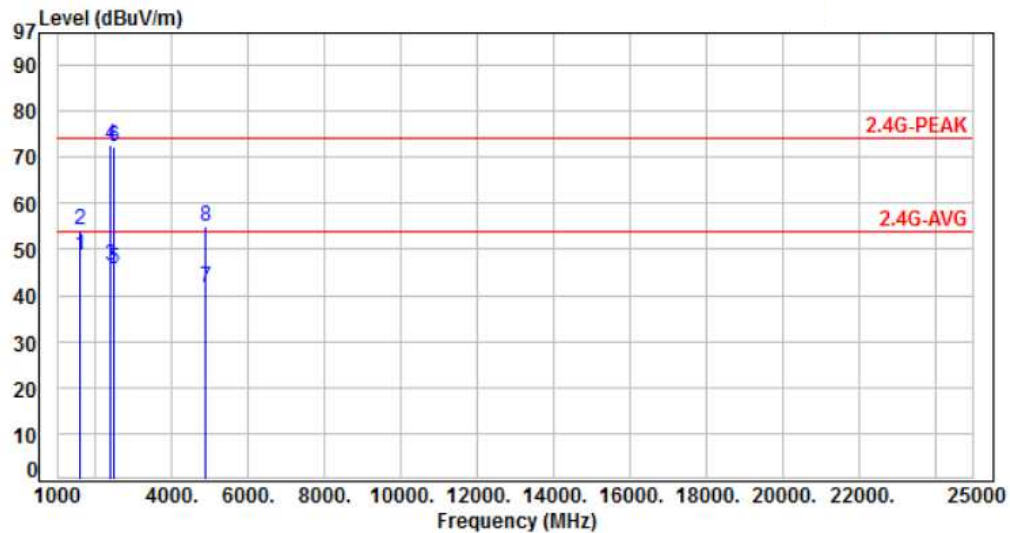




Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode	: Mode 6, CH06	Temperature	: 24 °C
Test Date	: Apr. 10, 2017	Humidity	: 63 %



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1600.00	-4.92	53.46	48.54	54.00	-5.46	Average	182	185	P
2	1600.00	-4.92	59.01	54.09	74.00	-19.91	Peak	182	185	P
3	2390.00	-0.94	47.47	46.53	54.00	-7.47	Average	386	255	P
4	2390.00	-0.94	73.69	72.75	74.00	-1.25	Peak	386	255	P
5	2483.50	-0.64	46.25	45.61	54.00	-8.39	Average	303	45	P
6	2483.50	-0.64	72.96	72.32	74.00	-1.68	Peak	303	45	P
7	4874.00	8.19	33.51	41.70	54.00	-12.30	Average	212	139	P
8	4874.00	8.19	46.68	54.87	74.00	-19.13	Peak	212	139	P

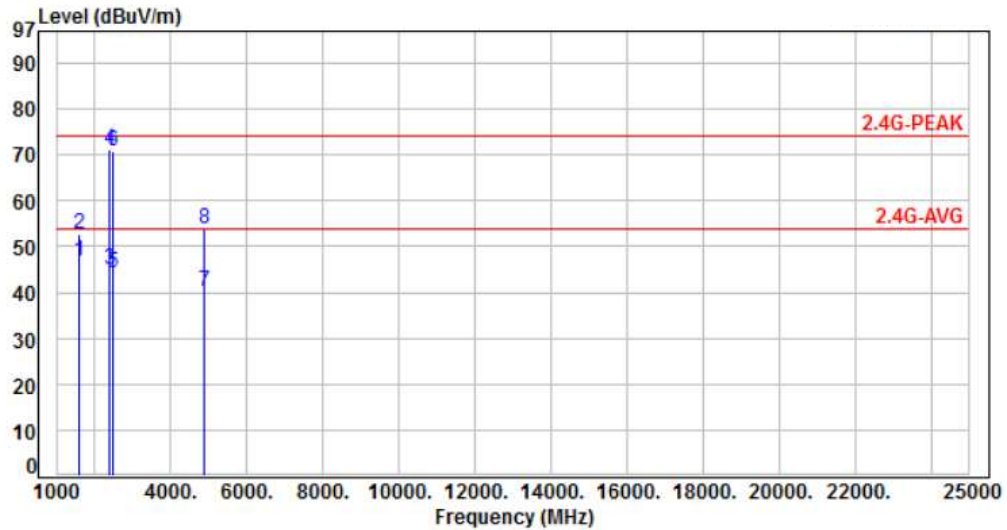
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, CH06	Temperature	: 24 °C
Test Date	: Apr. 10, 2017	Humidity	: 63 %



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1600.00	-4.92	51.61	46.69	54.00	-7.31	Average	124	219	P
2	1600.00	-4.92	57.82	52.90	74.00	-21.10	Peak	124	219	P
3	2390.00	-0.94	45.98	45.04	54.00	-8.96	Average	374	2	P
4	2390.00	-0.94	72.18	71.24	74.00	-2.76	Peak	374	2	P
5	2483.50	-0.64	44.84	44.20	54.00	-9.80	Average	232	286	P
6	2483.50	-0.64	71.59	70.95	74.00	-3.05	Peak	232	286	P
7	4874.00	8.19	31.83	40.02	54.00	-13.98	Average	289	148	P
8	4874.00	8.19	45.66	53.85	74.00	-20.15	Peak	289	148	P

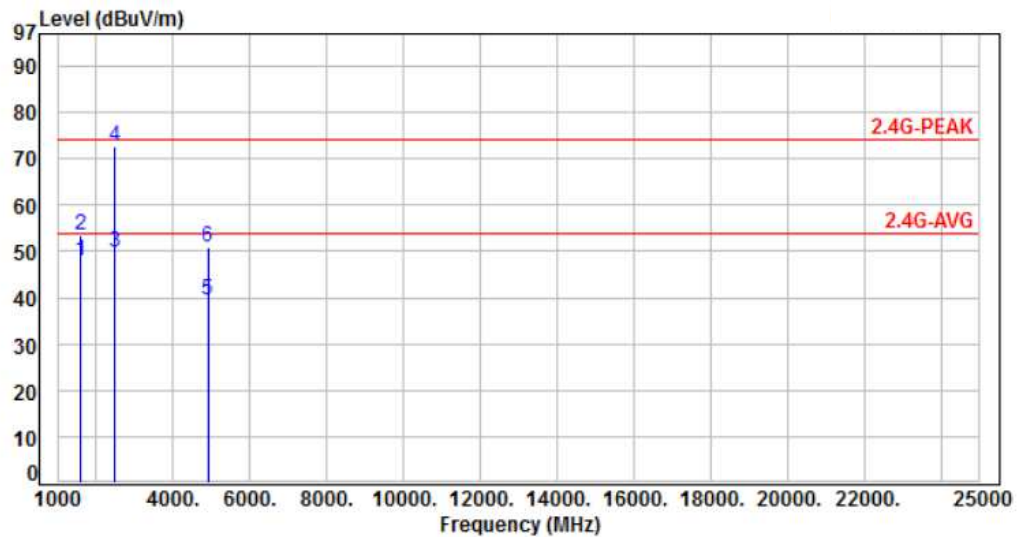
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode	: Mode 6, CH09	Temperature	: 24 °C
Test Date	: Apr. 10, 2017	Humidity	: 63 %



No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV)	Limit (dBUV)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1600.00	-4.92	52.70	47.78	54.00	-6.22	Average	169	178	P
2	1600.00	-4.92	58.40	53.48	74.00	-20.52	Peak	169	178	P
3	2483.50	-0.64	50.26	49.62	54.00	-4.38	Average	320	38	P
4	2483.50	-0.64	73.17	72.53	74.00	-1.47	Peak	320	38	P
5	4904.00	8.34	31.00	39.34	54.00	-14.66	Average	158	145	P
6	4904.00	8.34	42.50	50.84	74.00	-23.16	Peak	158	145	P

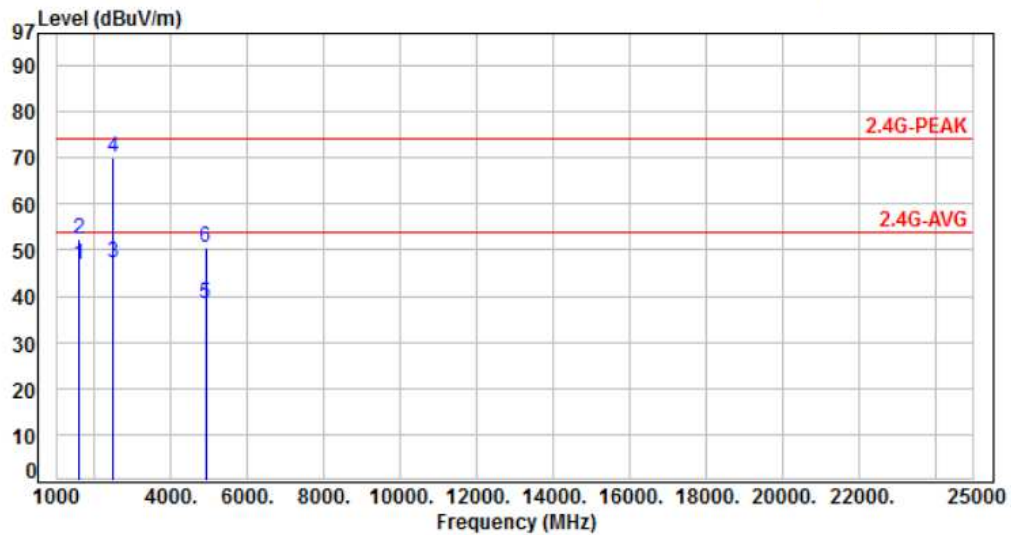
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, CH09	Temperature	: 24 °C
Test Date	: Apr. 10, 2017	Humidity	: 63 %



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	1600.00	-4.92	51.80	46.88	54.00	-7.12	Average	100	200	P
2	1600.00	-4.92	57.20	52.28	74.00	-21.72	Peak	100	200	P
3	2483.50	-0.64	47.75	47.11	54.00	-6.89	Average	208	303	P
4	2483.50	-0.64	70.59	69.95	74.00	-4.05	Peak	208	303	P
5	4904.00	8.34	30.10	38.44	54.00	-15.56	Average	100	190	P
6	4904.00	8.34	42.10	50.44	74.00	-23.56	Peak	100	190	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 – 5.250
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. Test of Conducted Spurious Emission

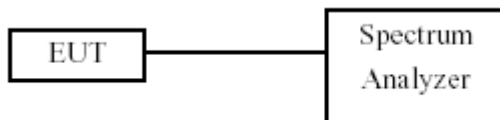
7.1 Test Limit

Below -20dB of the highest emission level of operating band (In 100 kHz Resolution Bandwidth)

7.2 Test Procedure

- The transmitter output was connected to the spectrum analyzer via a low lose cable.
- Set RBW of spectrum analyzer to 100 KHz and VBW of spectrum analyzer to 300 KHz with convenient frequency span including 100 KHz bandwidth from band edge.
- Peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20dB relative to the maximum measured in-band peak PSD level.
- The band edges was measured and recorded.

7.3 Test Setup Layout



7.4 Test Result and Data

Test Result : PASS

Test Date : Apr. 13, 2017

Temperature : 24°C

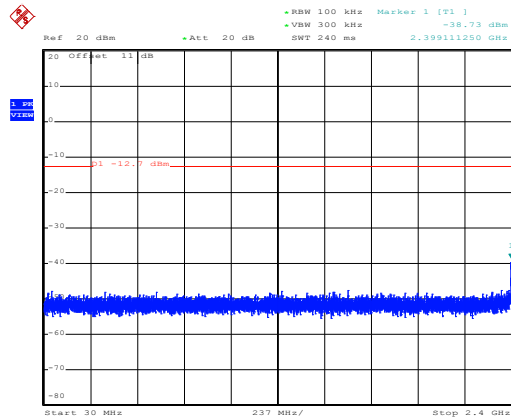
Humidity : 63%

Note: Test plots refers to the following pages.

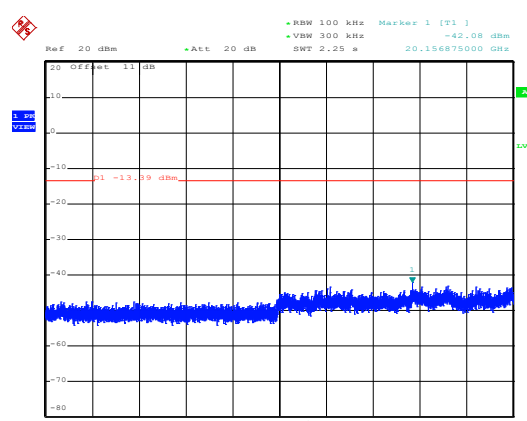
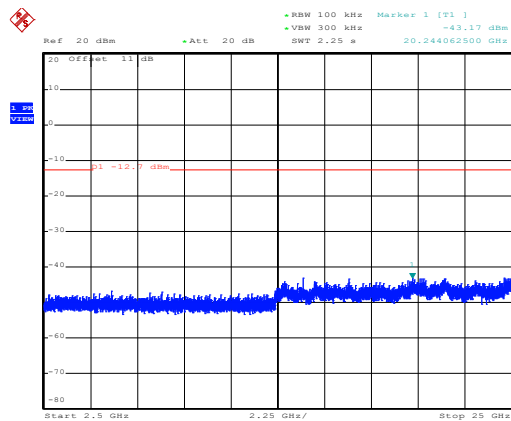
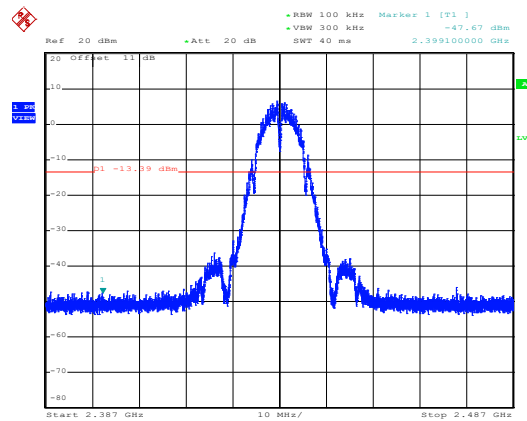
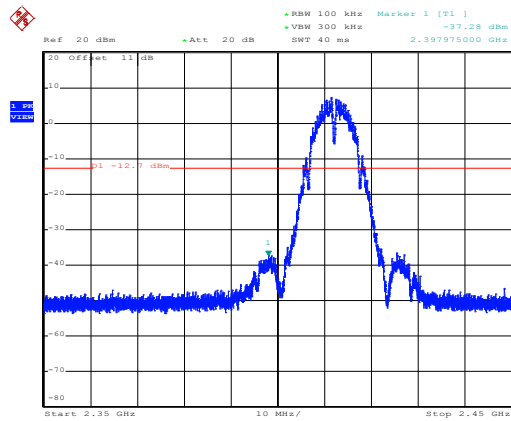
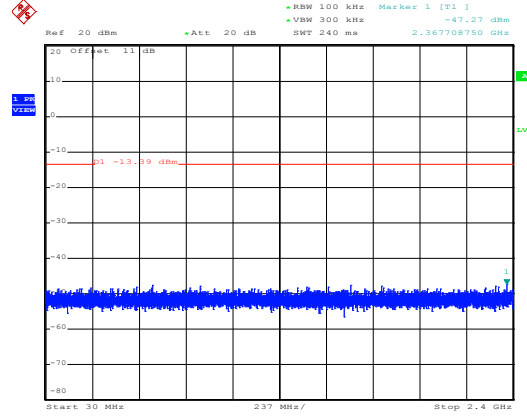


ANT 1

Modulation Type: 802.11b, CH 01



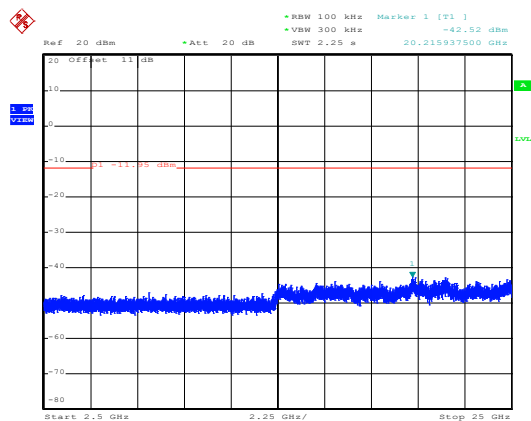
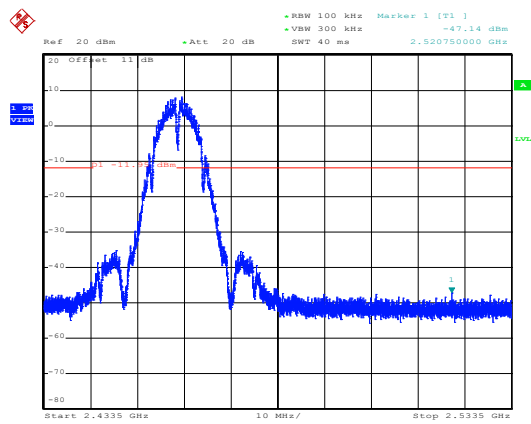
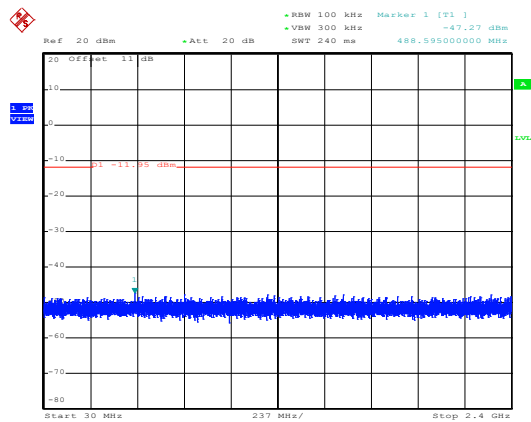
Modulation Type: 802.11b, CH 06





ANT 1

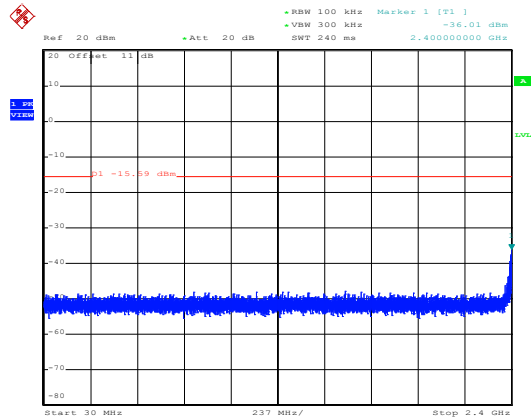
Modulation Type: 802.11b, CH 11



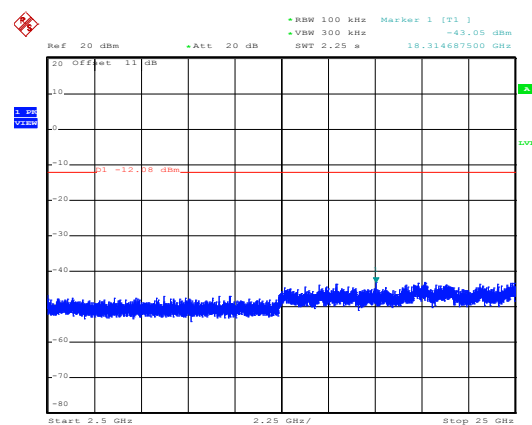
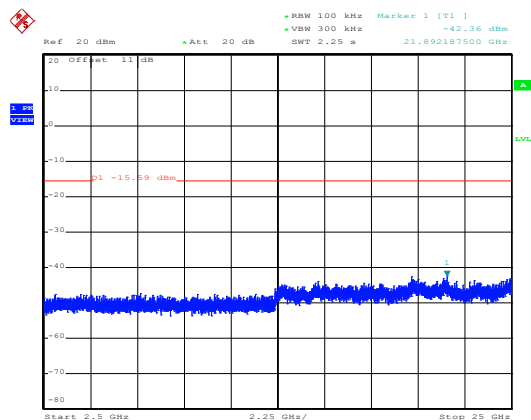
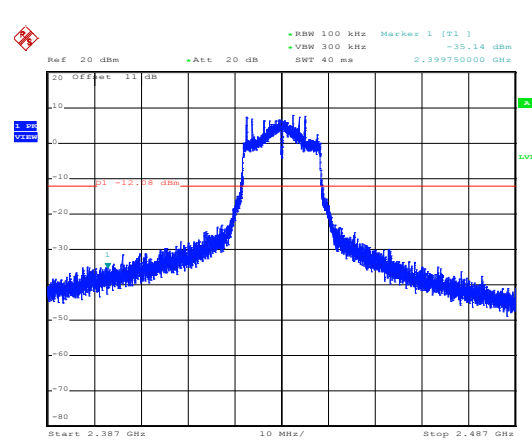
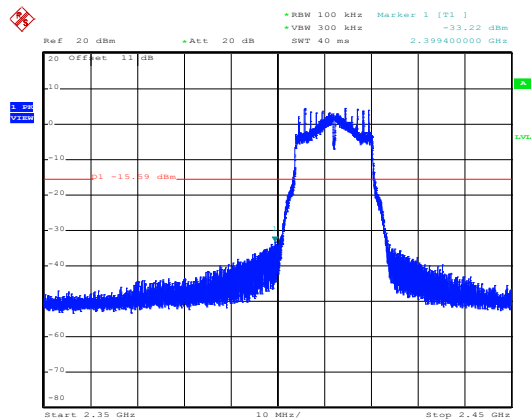
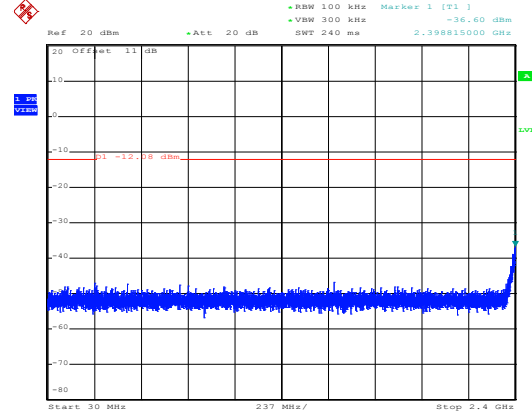


ANT 1

Modulation Type: 802.11g, CH 01



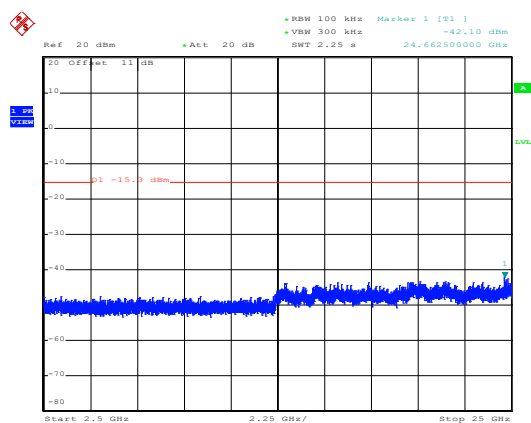
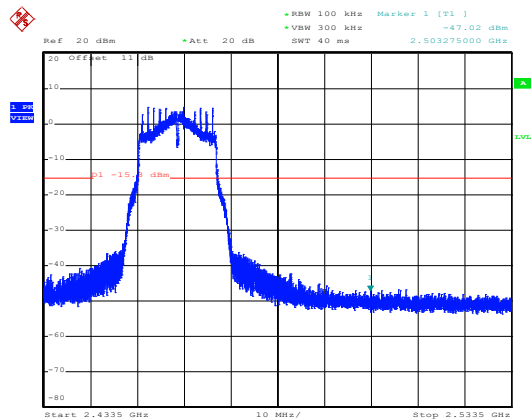
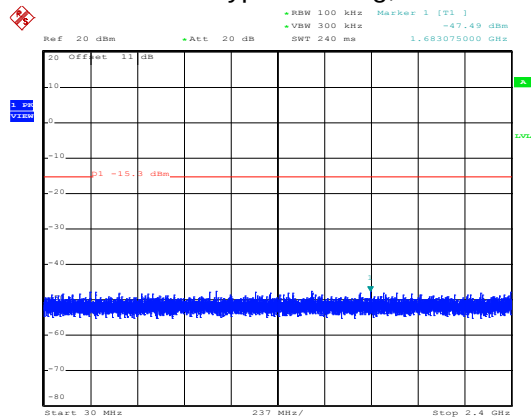
Modulation Type: 802.11g, CH 06





ANT 1

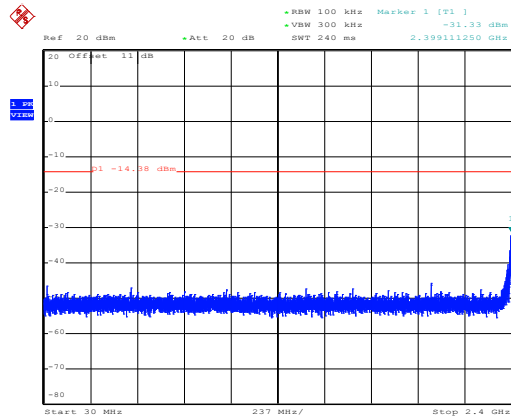
Modulation Type: 802.11g, CH 11



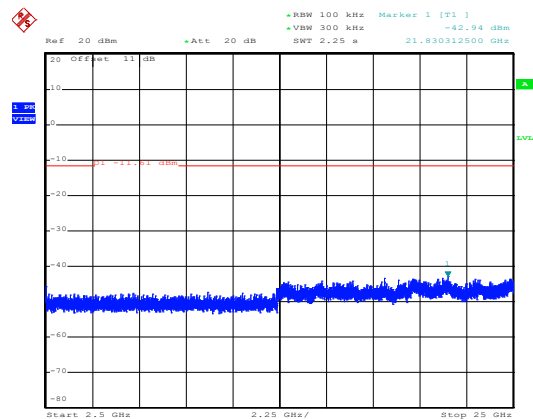
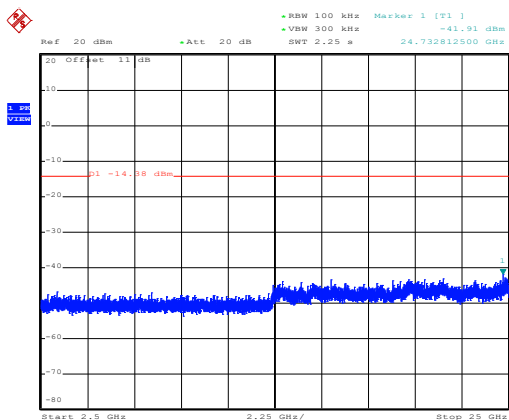
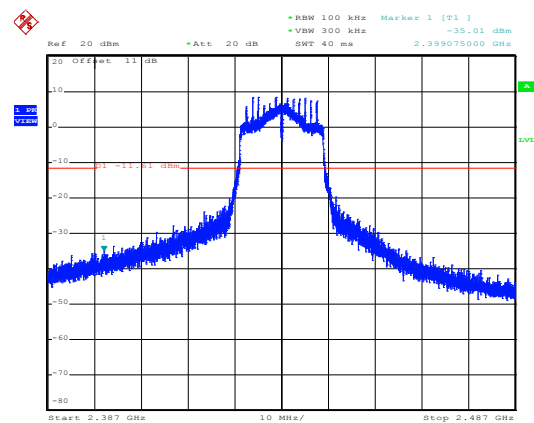
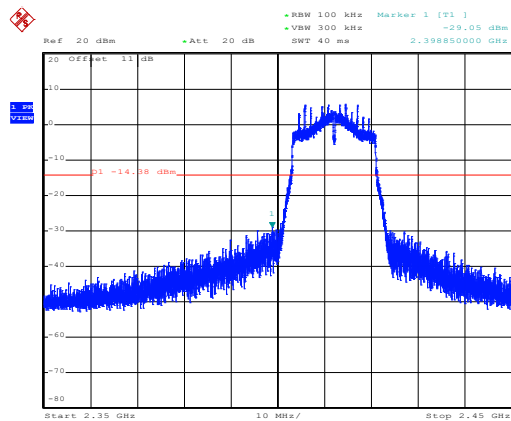
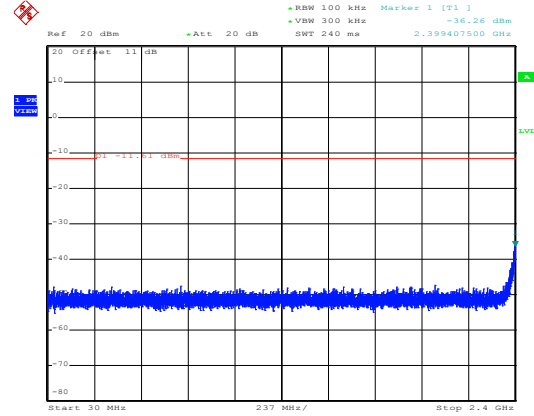


ANT 1

Modulation Type: 802.11ac VHT20, CH01



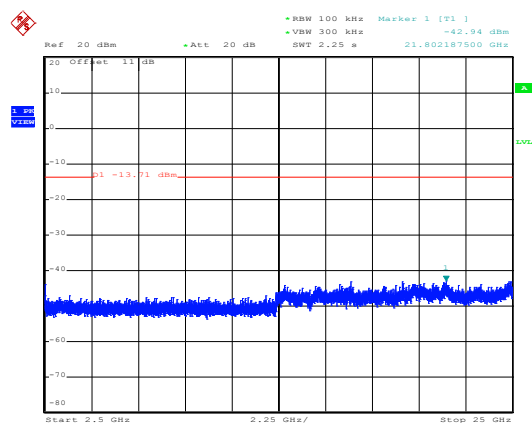
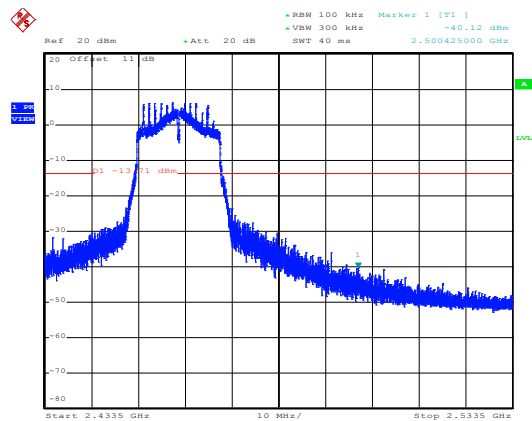
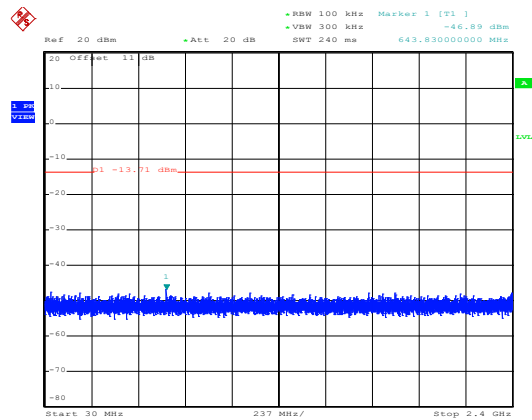
Modulation Type: 802.11ac VHT20, CH06





ANT 1

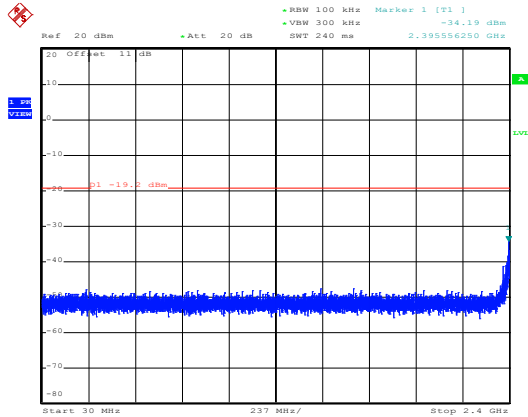
Modulation Type: 802.11ac VHT20, CH11



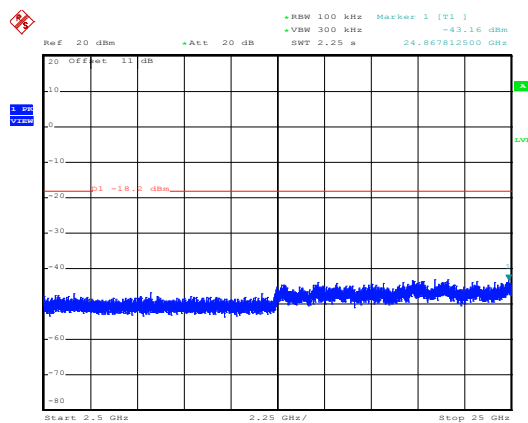
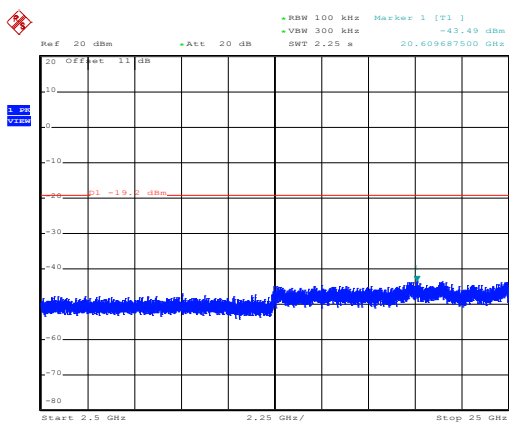
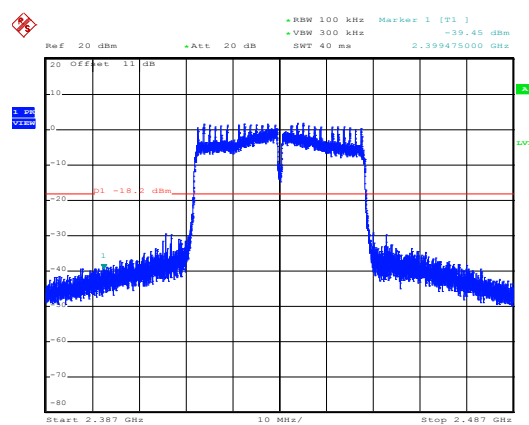
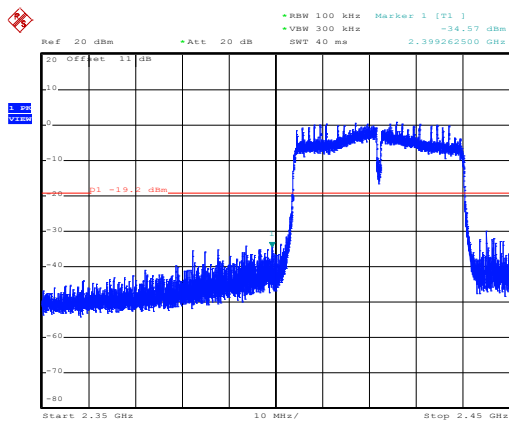
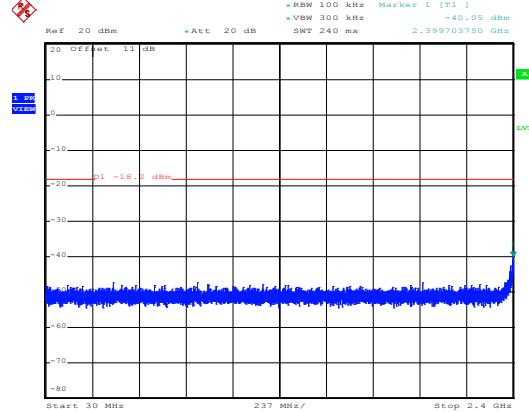


ANT 1

Modulation Type: 802.11ac VHT40, CH03



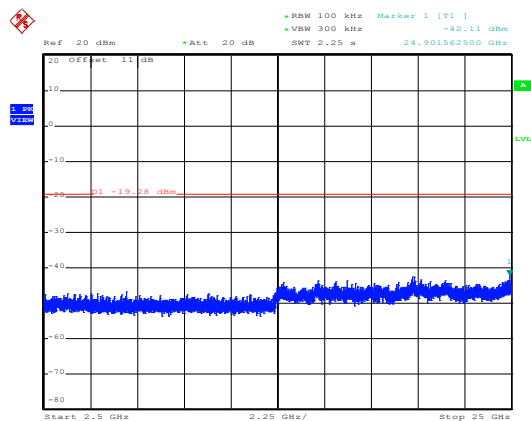
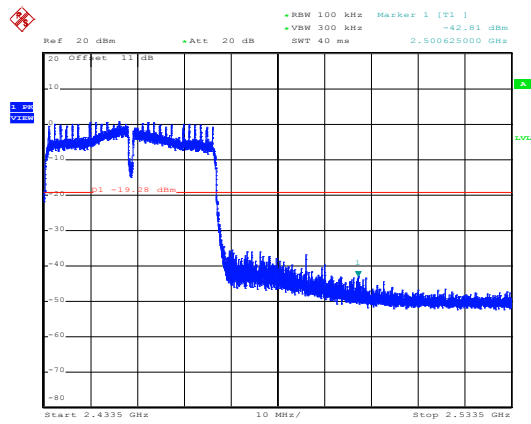
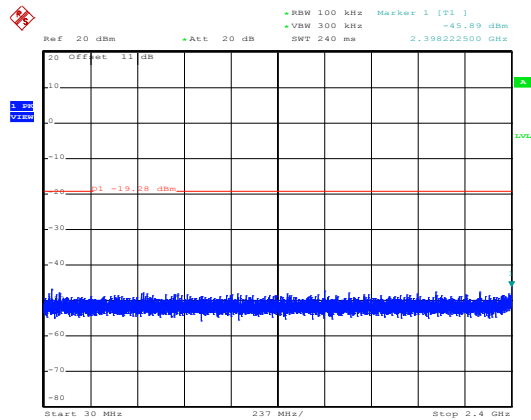
Modulation Type: 802.11ac VHT40, CH06





ANT 1

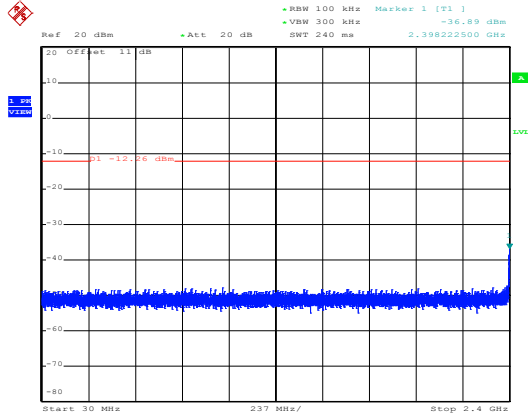
Modulation Type: 802.11ac VHT40, CH09





ANT 2

Modulation Type: 802.11b, CH 01



Modulation Type: 802.11b, CH 06

