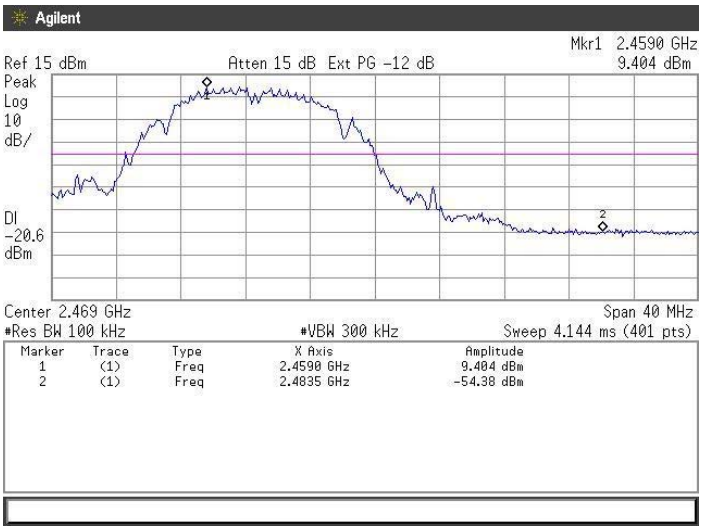
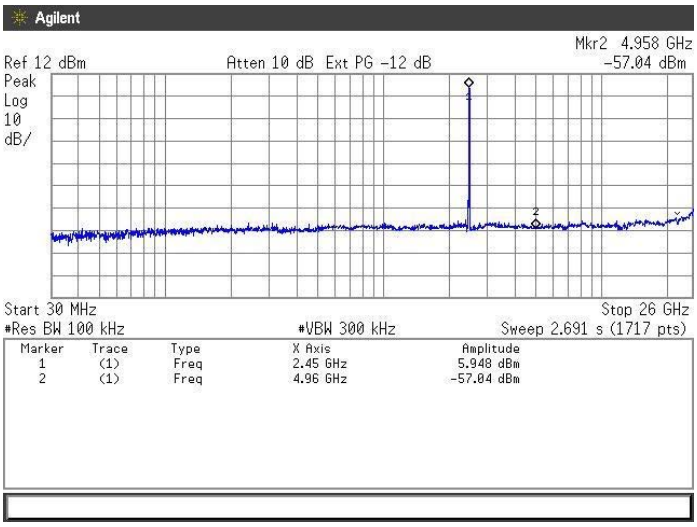


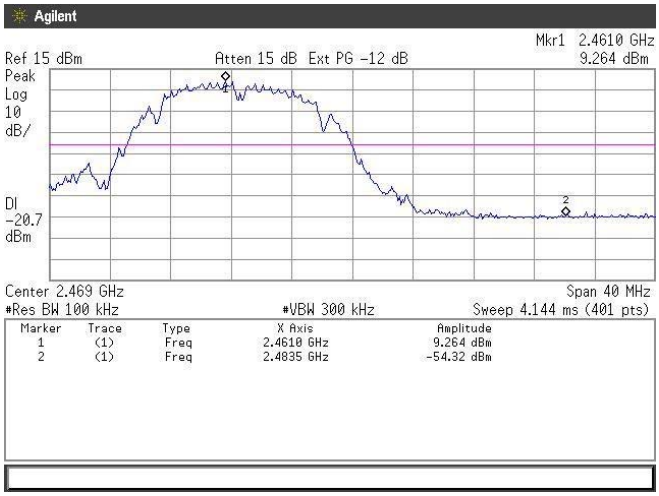
Plot # 63.

Output 3. High frequency bandedge.
802.11b mode.



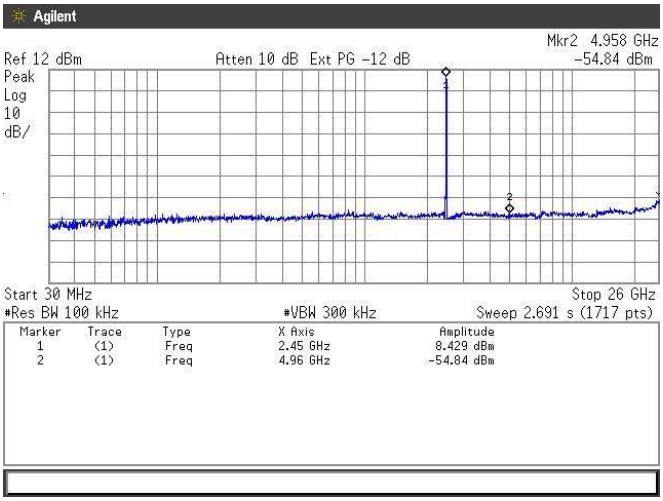
Plot # 64.

Output 3. High frequency spurious.
802.11b mode.



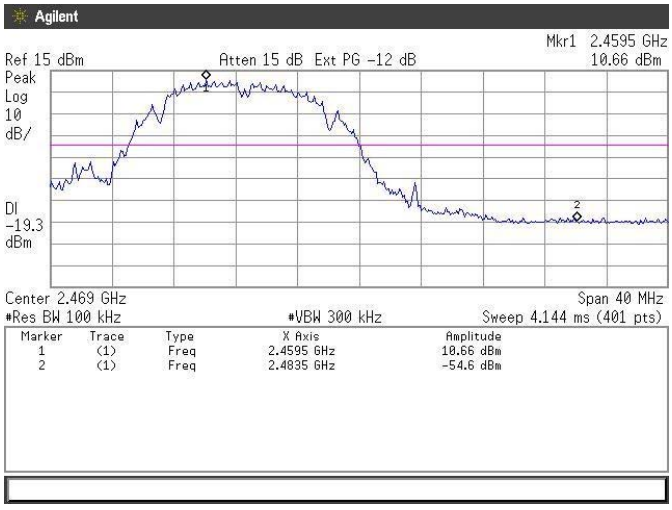
Plot # 65.

Output 4. High frequency bandedge.
802.11b mode.



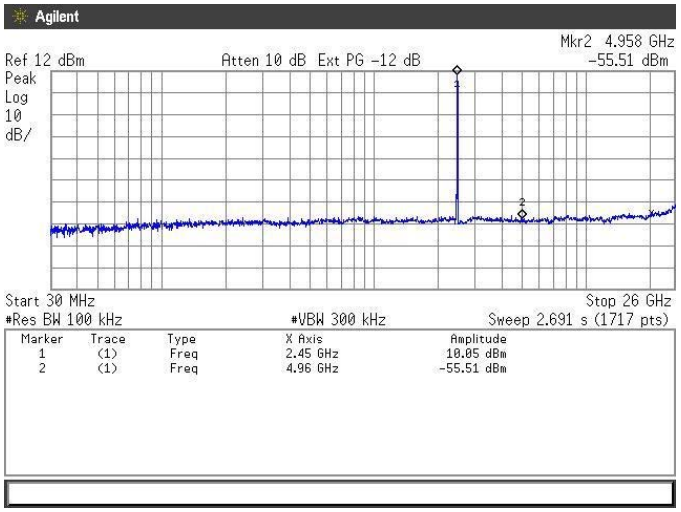
Plot # 66.

Output 4. High frequency spurious.
802.11b mode.



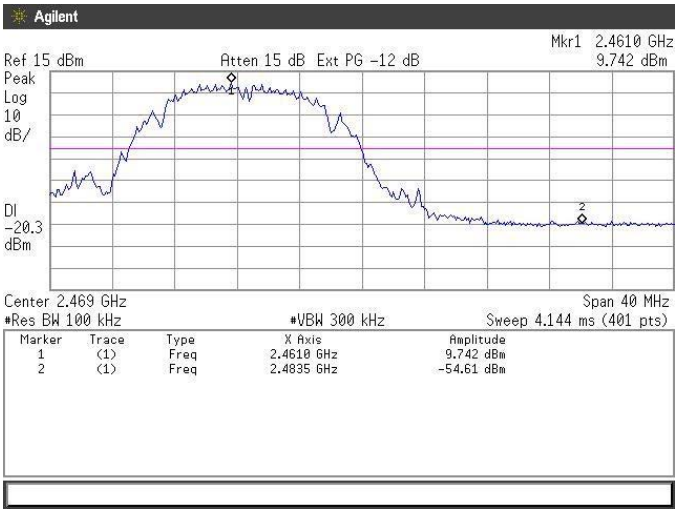
Plot # 67.

Output 5. High frequency bandedge.
802.11b mode.



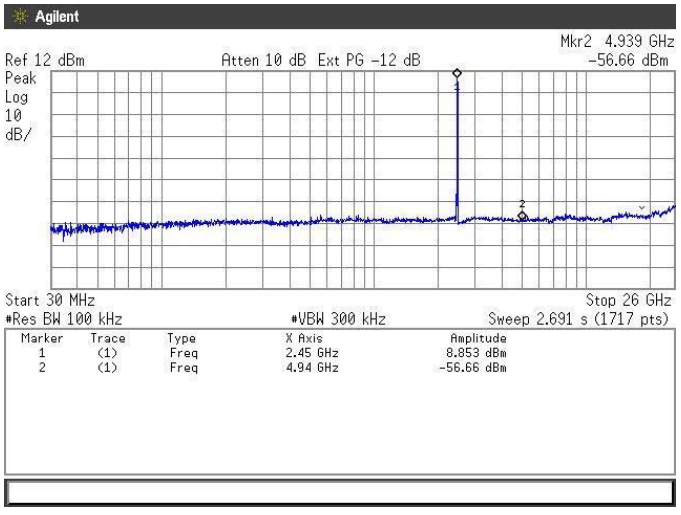
Plot # 68.

Output 5. High frequency spurious.
802.11b mode.



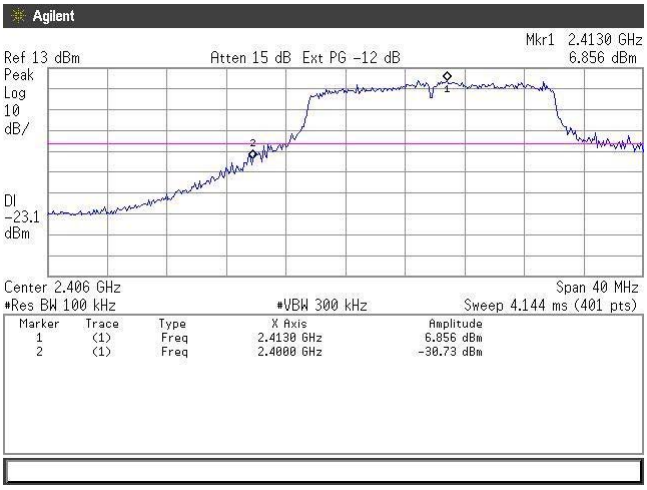
Plot # 69.

Output 6. High frequency bandedge.
802.11b mode.



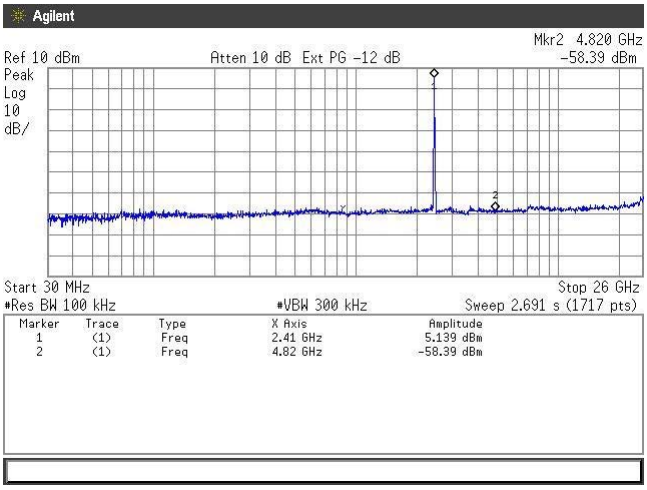
Plot # 70.

Output 6. High frequency spurious.
802.11b mode.



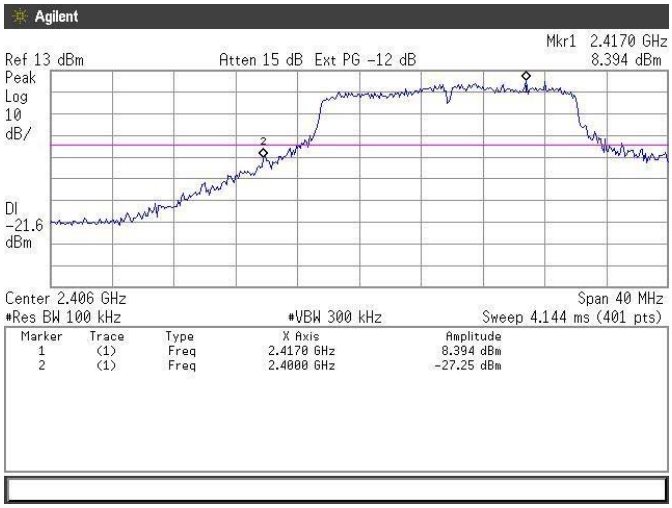
Plot # 71.

Output 1. Low frequency bandedge.
802.11g mode.



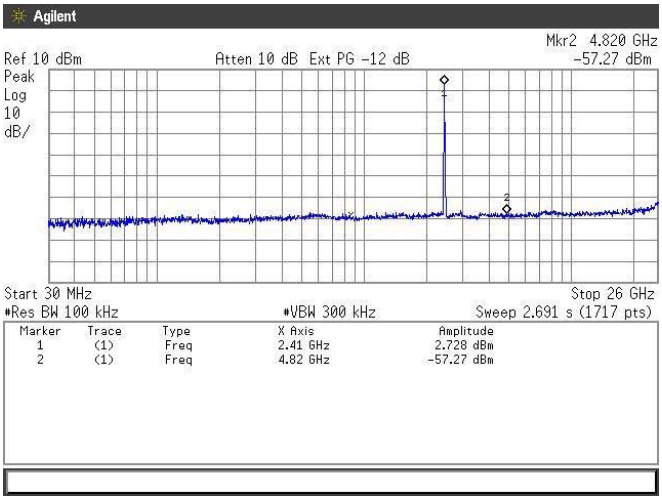
Plot # 72.

Output 1. Low frequency spurious.
802.11g mode.



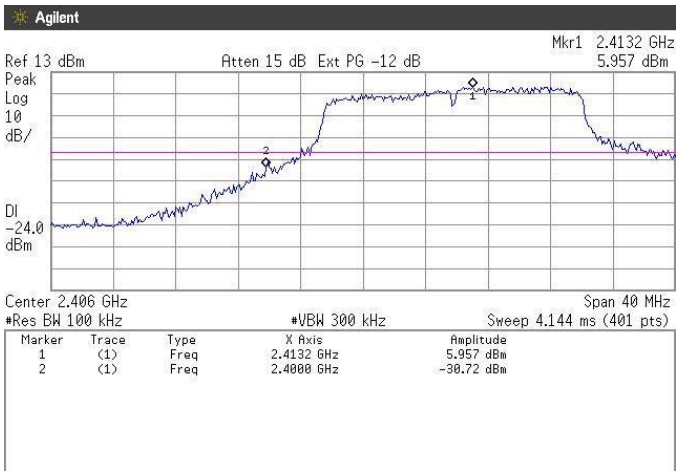
Plot # 73.

Output 2. Low frequency bandedge.
802.11g mode.



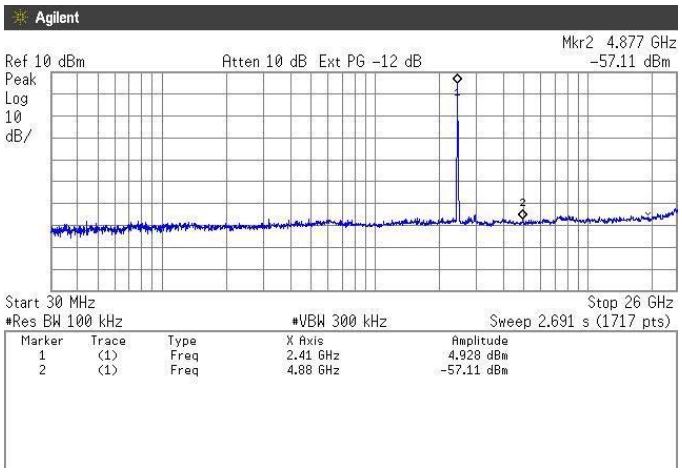
Plot # 74.

Output 2. Low frequency spurious.
802.11g mode.



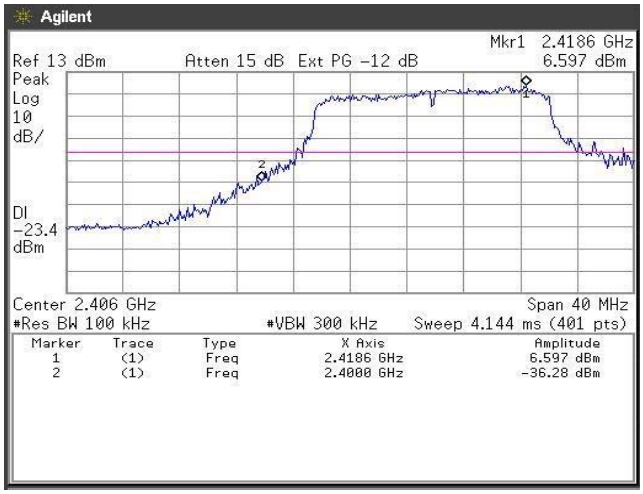
Plot # 75.

Output 3. Low frequency bandedge.
802.11g mode.



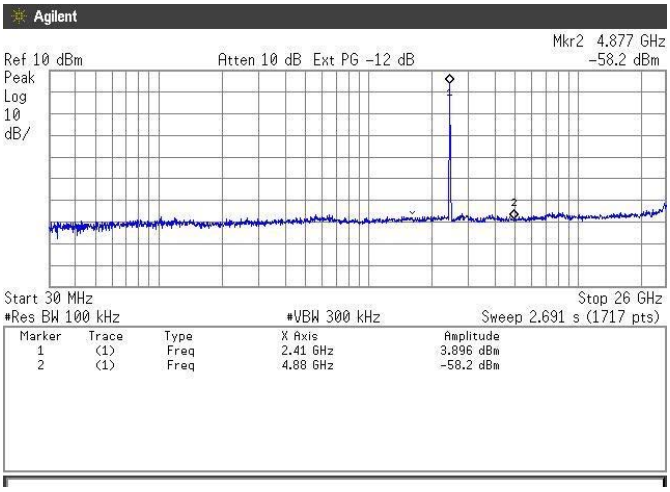
Plot # 76.

Output 3. Low frequency spurious.
802.11g mode.



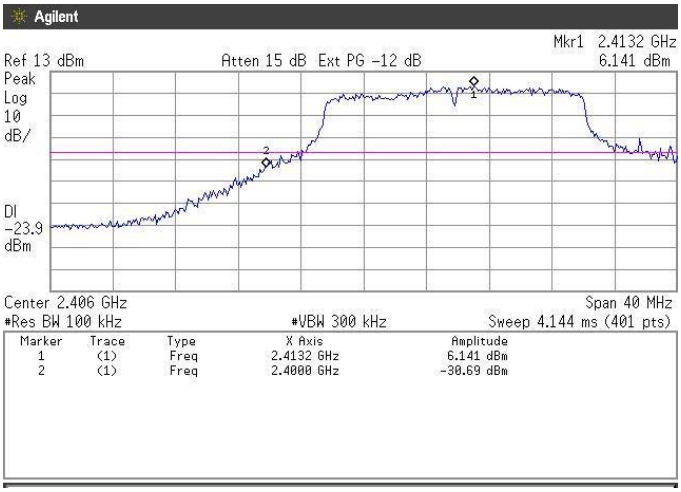
Plot # 77.

Output 4. Low frequency bandedge.
802.11g mode.



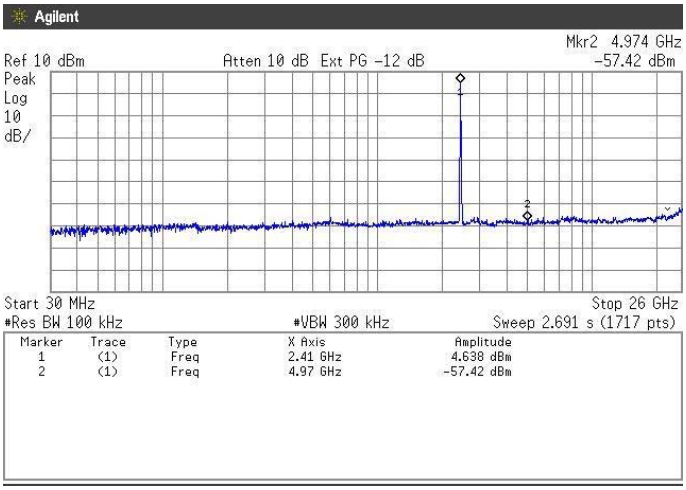
Plot # 78.

Output 4. Low frequency spurious.
802.11g mode.



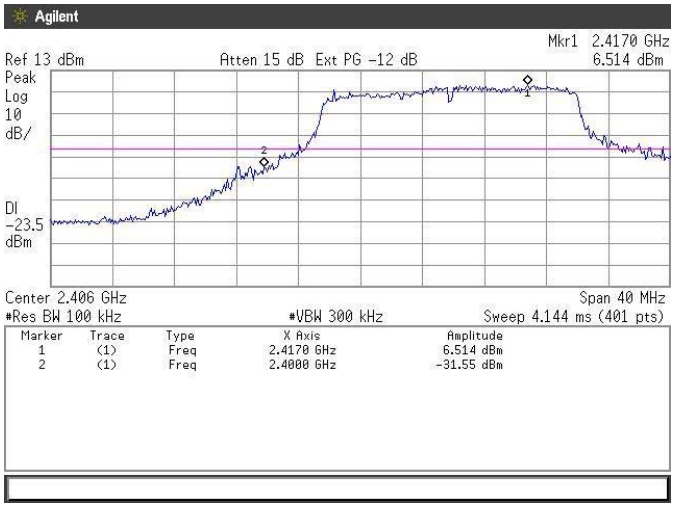
Plot # 79.

Output 5. Low frequency bandedge.
802.11g mode.



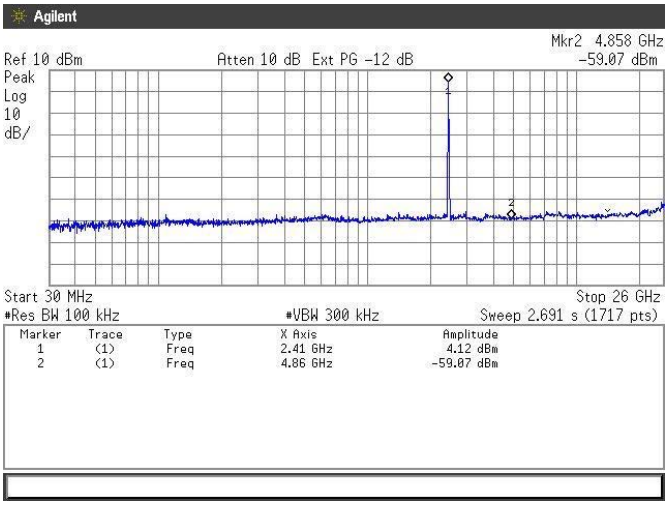
Plot # 80.

Output 5. Low frequency spurious.
802.11g mode.



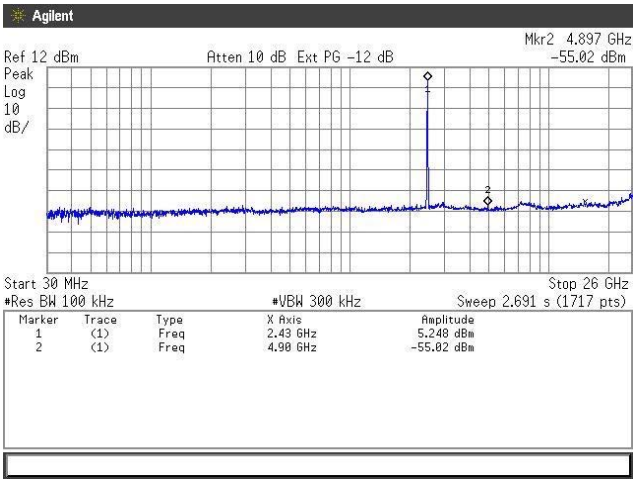
Plot # 81.

Output 6. Low frequency bandedge.
802.11g mode.



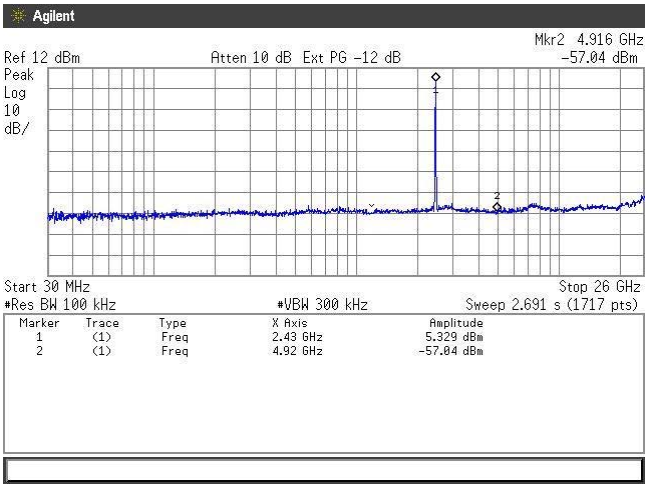
Plot # 82.

Output 6. Low frequency spurious.
802.11g mode.



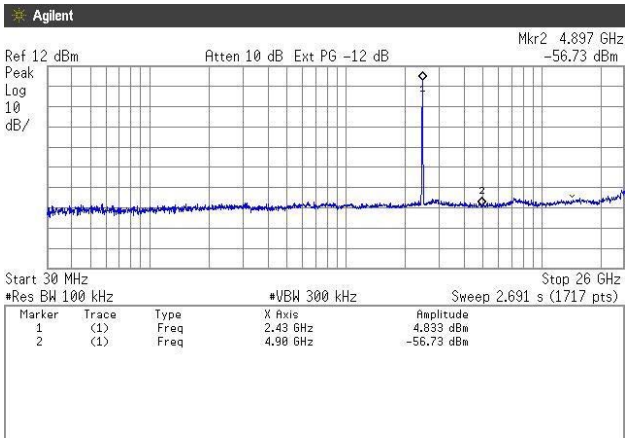
Plot # 83.

Output 1. Middle frequency spurious. 802.11g mode.



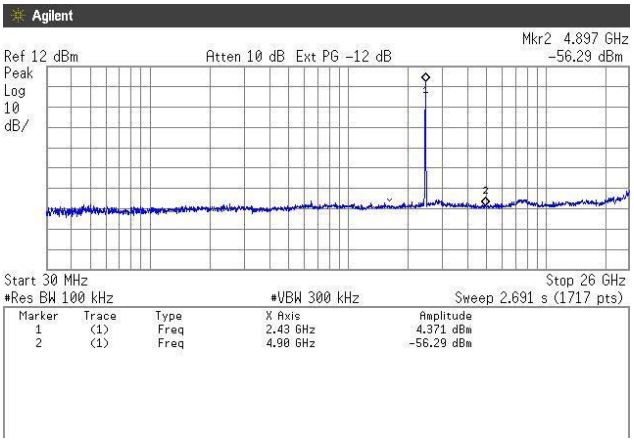
Plot # 84.

Output 2. Middle frequency spurious. 802.11g mode.



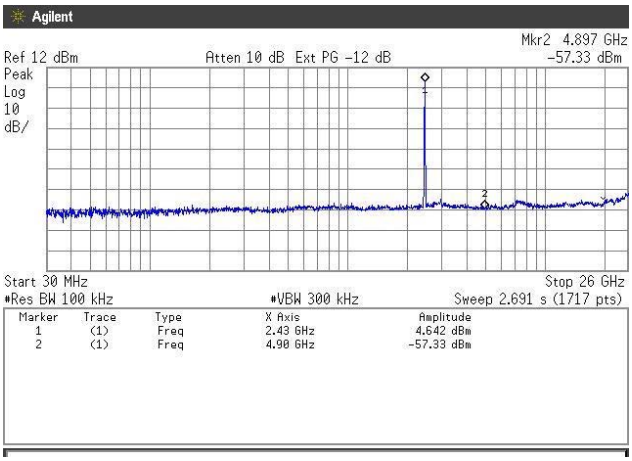
Plot # 85.

Output 3. Middle frequency spurious. 802.11g mode.



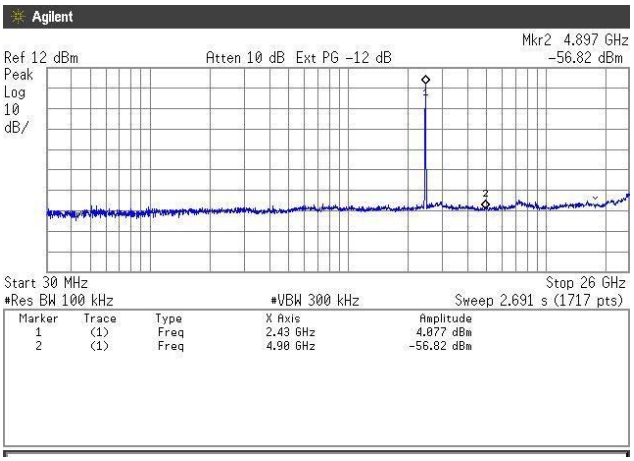
Plot # 86.

Output 4. Middle frequency spurious. 802.11g mode.



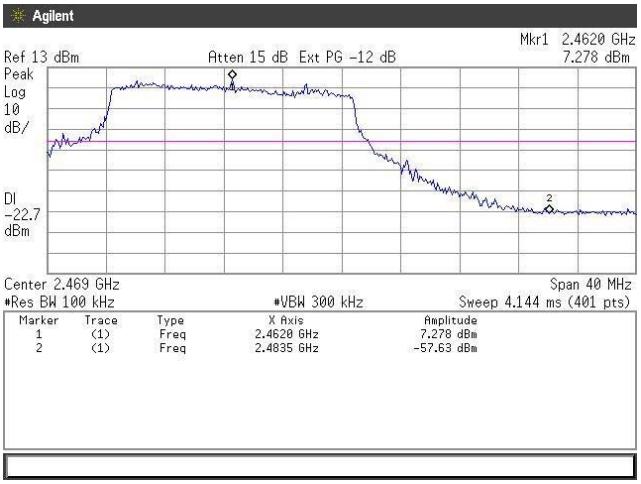
Plot # 87.

Output 5. Middle frequency spurious. 802.11g mode.



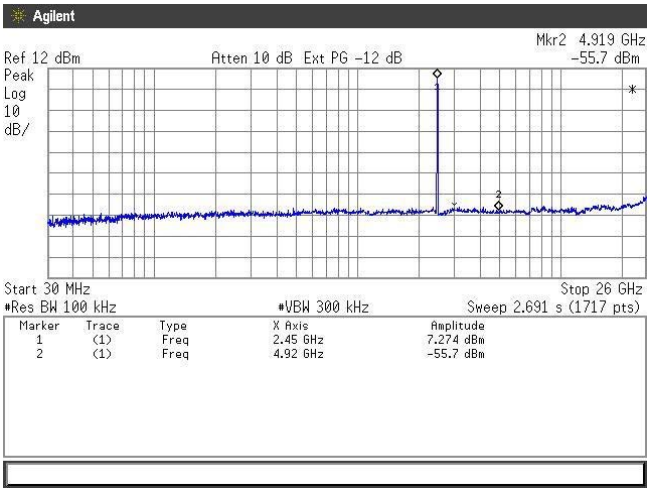
Plot # 88.

Output 6. Middle frequency spurious. 802.11g mode.



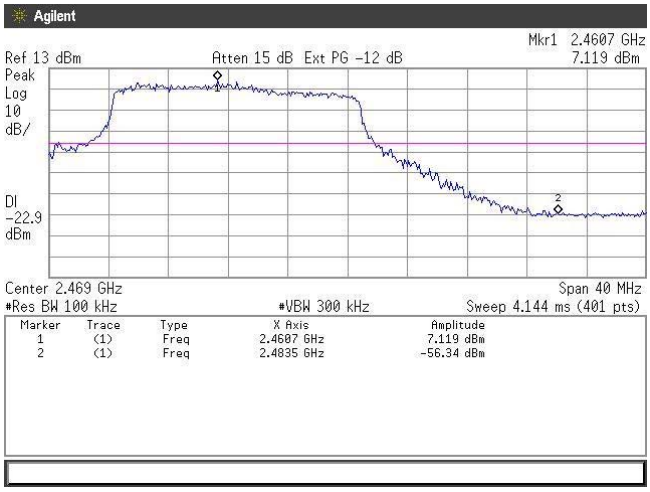
Plot # 89.

Output 1. High frequency bandedge.
802.11g mode.



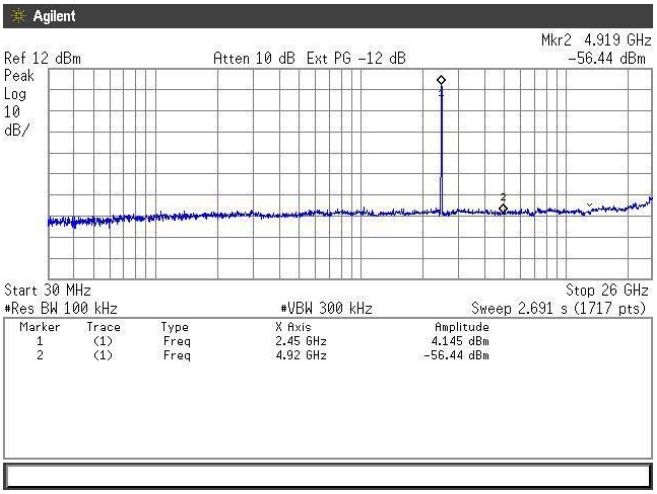
Plot # 90.

Output 1. High frequency spurious.
802.11g mode.



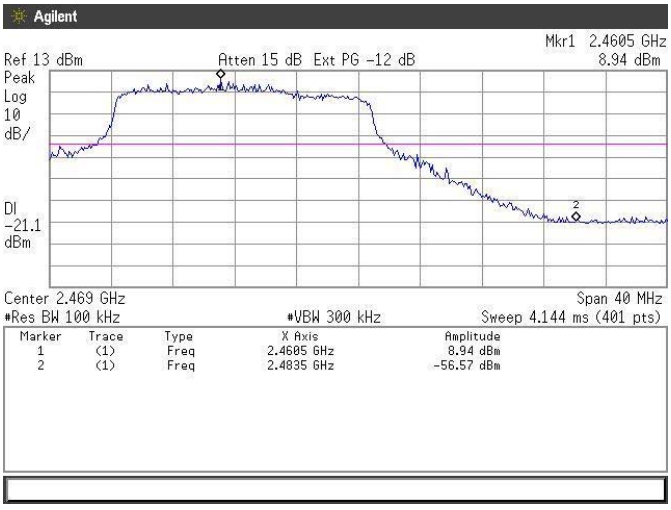
Plot # 91.

Output 2. High frequency bandedge.
802.11g mode.



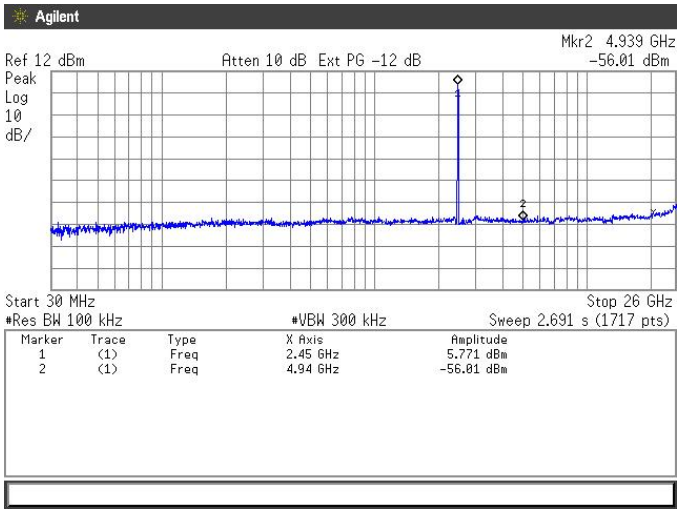
Plot # 92.

Output 2. High frequency spurious.
802.11g mode.



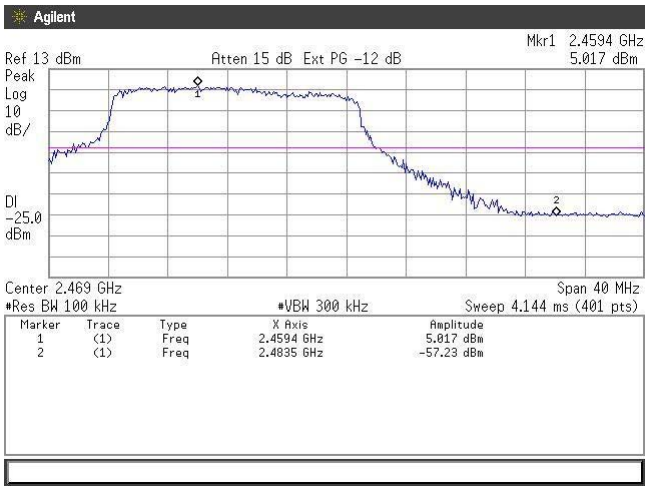
Plot # 93.

Output 3. High frequency bandedge.
802.11g mode.



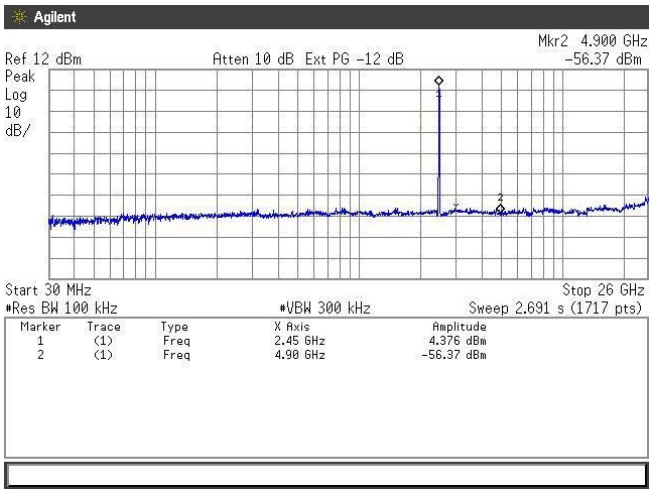
Plot # 94.

Output 3. High frequency spurious.
802.11g mode.



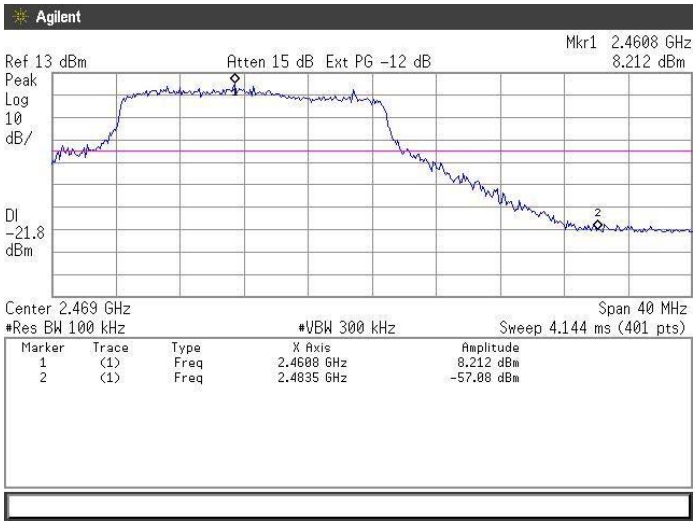
Plot # 95.

Output 4. High frequency bandedge.
802.11g mode.



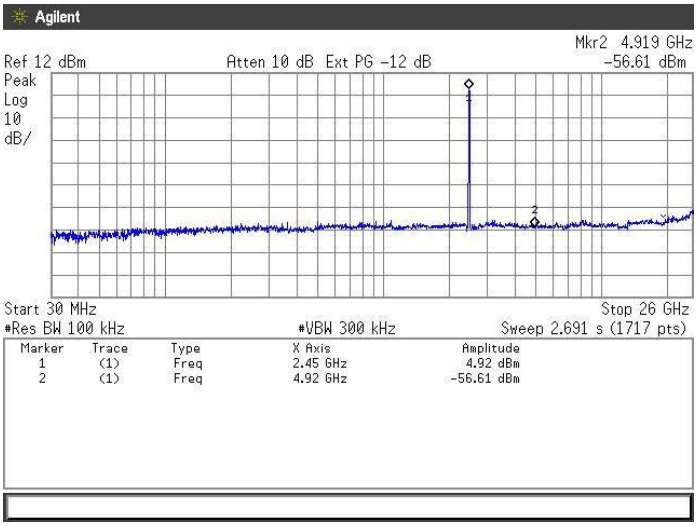
Plot # 96.

Output 4. High frequency spurious.
802.11g mode.



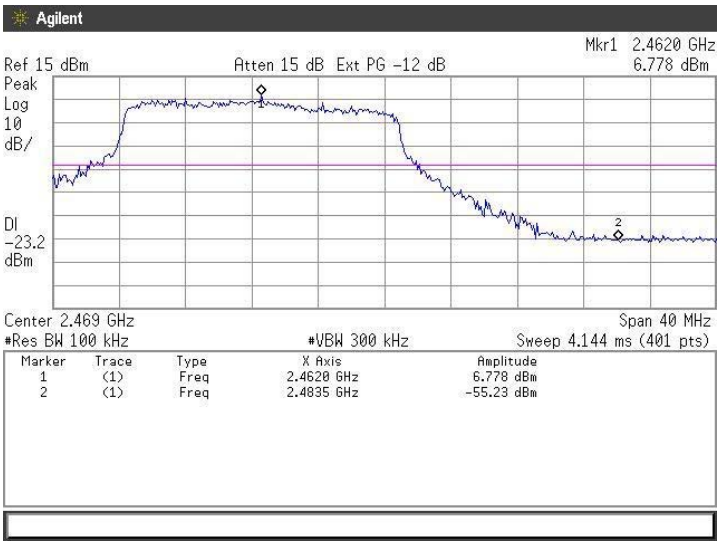
Plot # 97.

Output 5. High frequency bandedge.
802.11g mode.



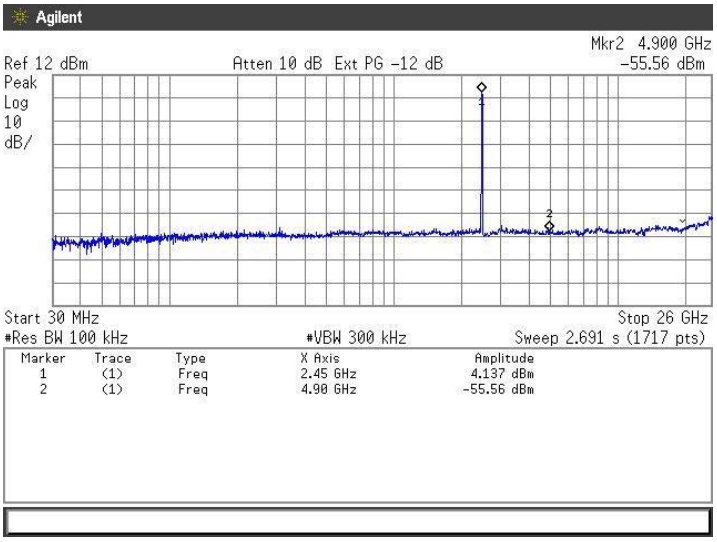
Plot # 98.

Output 5. High frequency spurious.
802.11g mode.



Plot # 99.

Output 6. High frequency bandedge.
802.11g mode.



Plot # 100.

Output 6. High frequency spurious.
802.11g mode.

7.6. Radiated emission test on Outdoor Radio Unit – spurious (per Section 15.209):

7.6.1. Requirements:

EUTs radiated emission shall not exceed value required in section 15.209 Subpart C.

7.6.2. EUT configuration:

The tested configuration has been built with 6 Bitel RF filters.
The EUT was tested with six Omni-directional antennas model MT-341017/N/A.

7.6.3. Test procedure:

The measurements were performed in the anechoic chamber.
The EUT was arranged on a non-metallic table 0.8 m placed on the turntable.
Cable loss (in dB) is included in SA measurement setup.
The emission levels of the EUT more than 20 dB lower than the specified limit were not recorded in the tables. For the test results refer to relevant Plots.
Test results found in 30 – 2000 MHz are brought in section 7.4 of this test report.

Antenna height = 1 m.
Polarization: Vertical/Horizontal
Measurement distance = 3m.
The frequency range was investigated up to 26 GHz.
The measurements were performed in vertical and horizontal polarization, the maximum reading recorded.

7.6.4. Radiated emission test results and calculation ratio:

The test results were found complies with relevant standard requirements.
Test results are presented in Table 6. Spurious emissions test results: MT-341017/N/A
The emission level was calculated as:
E Reading (dBμV) + measuring cable loss (dB) + measuring antenna factor (dB/m)

The plots of measurement that are not includes antenna factor are presented at pictures # 101-103.
For measuring antenna factor refer to Appendix 2.

Table 6. Spurious emissions test results: MT-341017/N/A

Frequency (GHz)	Emission Level (dBμV/m)		Limit @ 3m (dBμV/m)		Margin (dB)		Results
	Average	Peak	Average	Peak	Average	Peak	
LOW 2.412GHz							
4.824	50.54	Noise floor	54	74	3.46	10 dB at least	Complies
12.06	Noise floor	Noise floor			10 dB at least	10 dB at least	Complies
14.47	Noise floor	Noise floor			10 dB at least	10 dB at least	Complies
19.3	Noise floor	Noise floor			10 dB at least	10 dB at least	Complies
MIDDLE 2.437GHz							
4.874	51.78	Noise floor	54	74	2.22	10 dB at least	Complies
7.311	Noise floor	Noise floor			10 dB at least	10 dB at least	Complies
12.19	Noise floor	Noise floor			10 dB at least	10 dB at least	Complies
19.5	Noise floor	Noise floor			10 dB at least	10 dB at least	Complies
HIGH 2.462GHz							
4.924	51.32	Noise floor	54	74	2.68	10 dB at least	Complies
7.386	Noise floor	Noise floor			10 dB at least	10 dB at least	Complies
12.1	Noise floor	Noise floor			10 dB at least	10 dB at least	Complies
19.7	Noise floor	Noise floor			10 dB at least	10 dB at least	Complies
22.16	Noise floor	Noise floor			10 dB at least	10 dB at least	Complies