



FCC 47 CFR PART 15 SUBPART C & RSSINDUSTRY CANADA RSS-247

for

Tablet Computer

Model: A6003

Brand: acer

Issued Date: June 26, 2016

Issued for

Acer Incorporated

8F, 88, Sec 1, Xintai 5th Rd. Xizhi, New Taipei City 221 Taiwan, R.O.C

Issued by:

Compliance Certification Services (Shenzhen) Inc.

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TESTING CERT #2861.01

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1 TEST CERTIFICATION

| | |
|---------------------|--|
| Product | Tablet Computer |
| Model | A6003 |
| Brand | acer |
| Applicant | Acer Incorporated 8F, 88, Sec 1, Xintai 5th Rd. Xizhi, New Taipei City 221 Taiwan, R.O.C |
| Manufacturer | Acer Incorporated 8F, 88, Sec 1, Xintai 5th Rd. Xizhi, New Taipei City 221 Taiwan, R.O.C |

| APPLICABLE STANDARDS | |
|----------------------|---------------------------------|
| Standard | Test Type |
| 15.247(a) | Conducted Emissions Measurement |

We hereby certify that:

The above equipment was tested by Compliance Certification Services (Shenzhen) Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in **ANSI C63.10: 2013** and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules Part 15.207, 15.209, 15.247. The test results of this report relate only to the tested sample EUT identified in this report.

Approved by:

Reviewed by:

Sunday Hu
Supervisor of EMC Dept.
Compliance Certification Services (Shenzhen) Inc.

Ruby Zhang
Supervisor of Report Dept.
Compliance Certification Services (Shenzhen) Inc.



2 FACILITIES AND ACCREDITATIONS

2.1. FACILITIES

All measurement facilities used to collect the measurement data are located at **No.10-1 Mingkeda Logistics park, No.18, Huanguan South Rd., Guan Lan Town, Baoan District, Shenzhen, China**

The sites are constructed in conformance with the requirements of ANSI C63.10, ANSI C63.7 and CISPR Publication 22. All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

2.2. ACCREDITATIONS

Our laboratories are accredited and approved by the following accreditation body according to ISO/IEC 17025.

USA **A2LA**
China **CNAS**

The measuring facility of laboratories has been authorized or registered by the following approval agencies.

USA **FCC**
Japan **VCCI(C-4815,R-4320,T-2317, G-10624)**
Canada **INDUSTRY CANADA**

Copies of granted accreditation certificates are available for downloading from our web site, <http://www.ccssz.com>

2.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

| Parameter | Uncertainty |
|--|-------------|
| Radiated Emission, 30 to 200 MHz Test Site : 966(2) | +/-3.6880dB |
| Radiated Emission, 200 to 1000 MHz Test Site : 966(2) | +/-3.6695dB |
| Radiated Emission, 1 to 8 GHz | +/-5.1782dB |
| Radiated Emission, 8 to 18 GHz | +/-5.2173dB |
| Conducted Emissions | +/-3.6836dB |
| Band Width | 178kHz |
| Peak Output Power MU | +/-1.906dB |
| Band Edge MU | +/-0.182dB |
| Channel Separation MU | 416.178Hz |
| Duty Cycle MU | 0.054ms |
| Frequency Stability MU | 226Hz |

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

The measured result is above (below) the specification limit by a margin less than the measurement uncertainty; it is therefore not possible to state compliance based on the 95% level of confidence. However, the result indicates that compliance (non-compliance) is more probable than non-compliance) with the specification limit.



2.4. SPURIOUS EMISSIONS MEASUREMENT

2.4.1. CONDUCTED EMISSIONS MEASUREMENT

2.4.1.1. LIMITS OF CONDUCTED EMISSIONS MEASUREMENT

§15.247(d) specifies that in any 100 kHz bandwidth outside of the authorized frequency band, the power shall be attenuated according to the following conditions:

If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to 15.247(b)(3) requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.

If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to 15.247(b)(3) requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.

In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in 15.209(a) (see Section 15.205(c)).

2.4.1.2. TEST INSTRUMENTS

| Name of Equipment | Manufacturer | Model | Serial Number | Last Calibration | Due Calibration |
|-------------------|--------------|--------|---------------|------------------|-----------------|
| Spectrum Analyzer | Agilent | E4446A | US44300399 | 02/21/2016 | 02/20/2017 |

2.4.1.3. TEST PROCEDURE (please refer to measurement standard)

Conducted RF measurements of the transmitter output were made to confirm that the EUT antenna port conducted emissions meet the specified limit and to identify any spurious signals that require further investigation or measurements on the radiated emissions site.

The transmitter output is connected to the spectrum analyzer. The resolution bandwidth is set to 100 kHz. The video bandwidth is set to 300 kHz.

Measurements are made over the 10MHz to 26GHz range with the transmitter set to the lowest, middle, and highest channels. No emission found between lowest internal used/generated frequency to 10MHz, it is only recorded 10MHz to 26GHz.

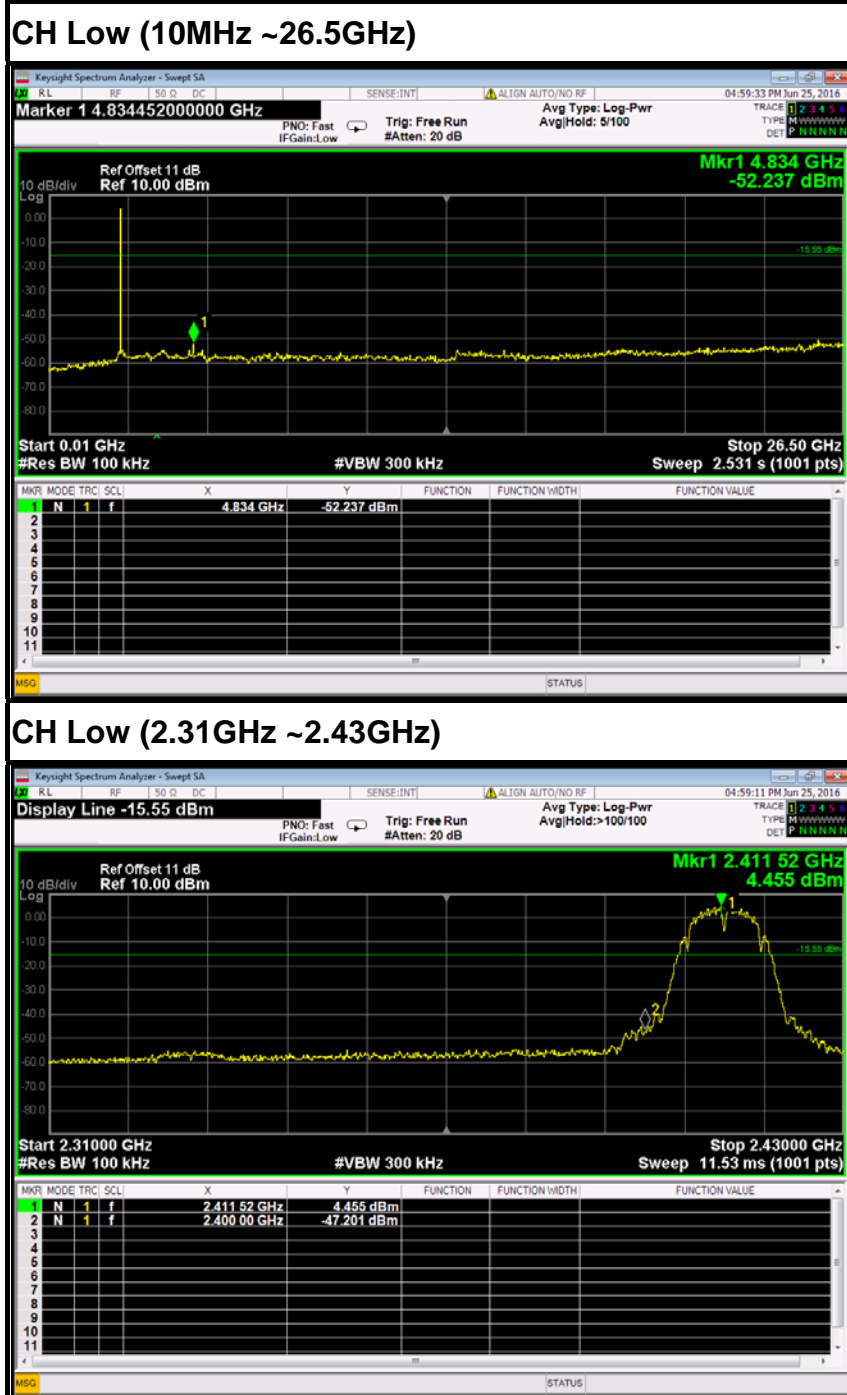


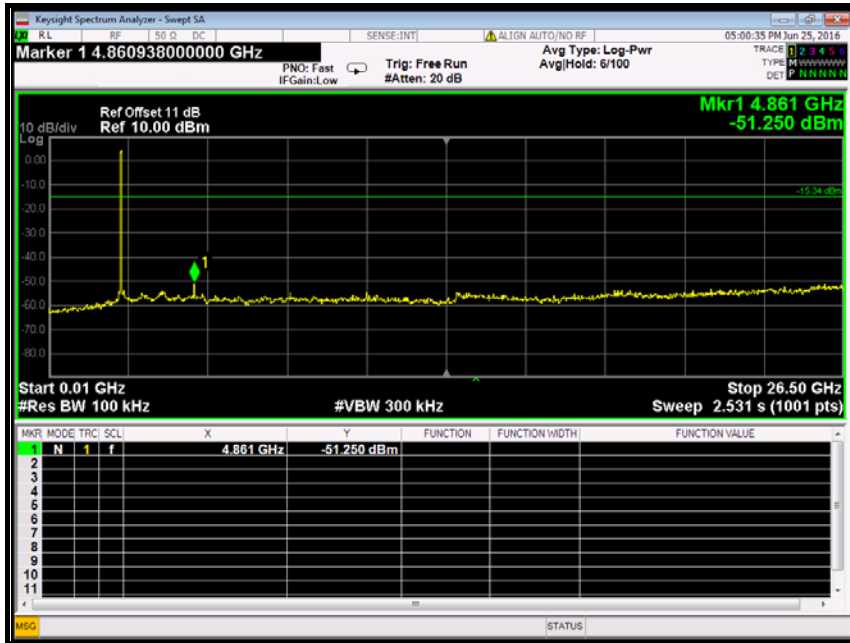
2.4.1.4. TEST RESULTS

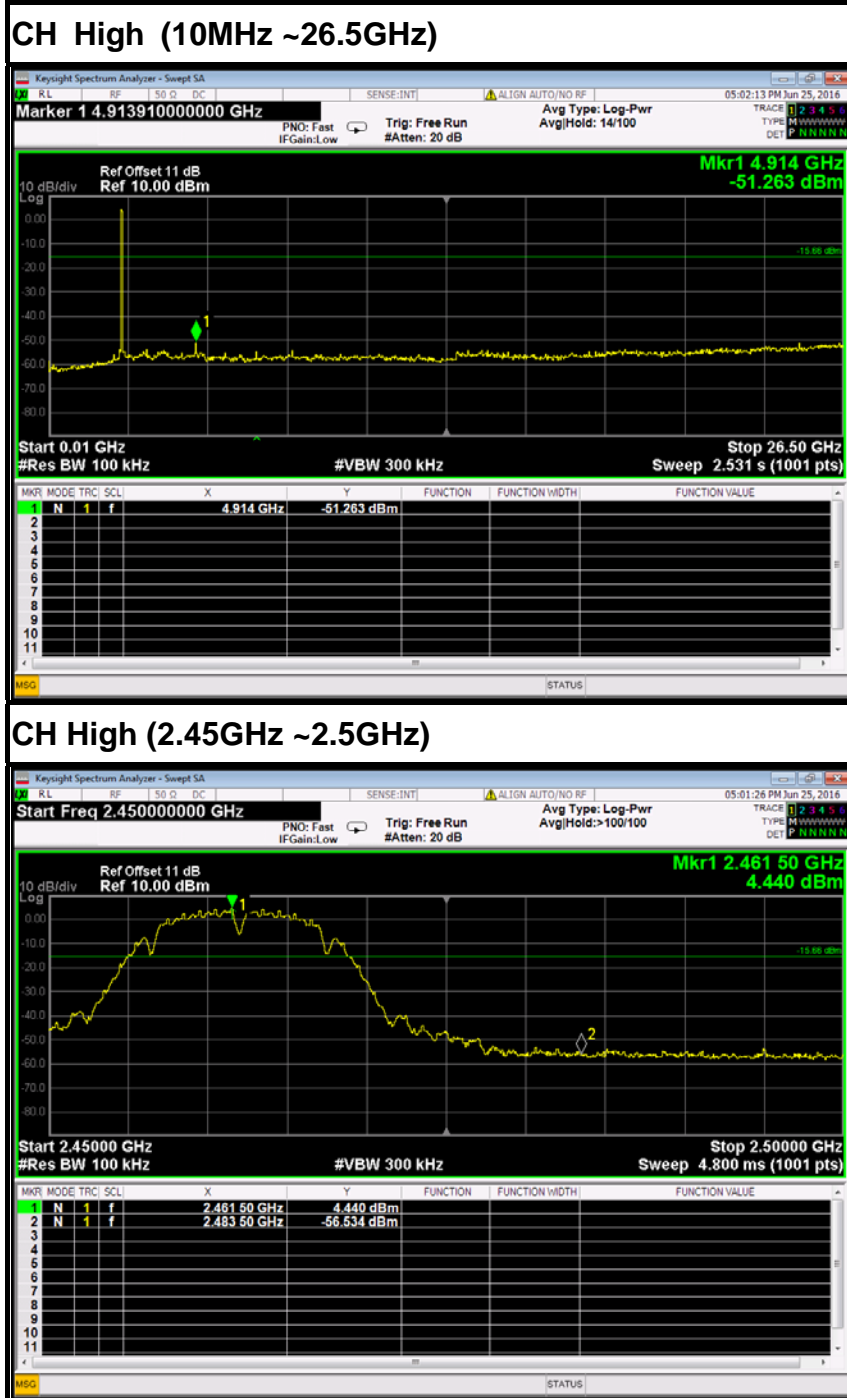
2.4GHz

Test Plot

IEEE 802.11b mode



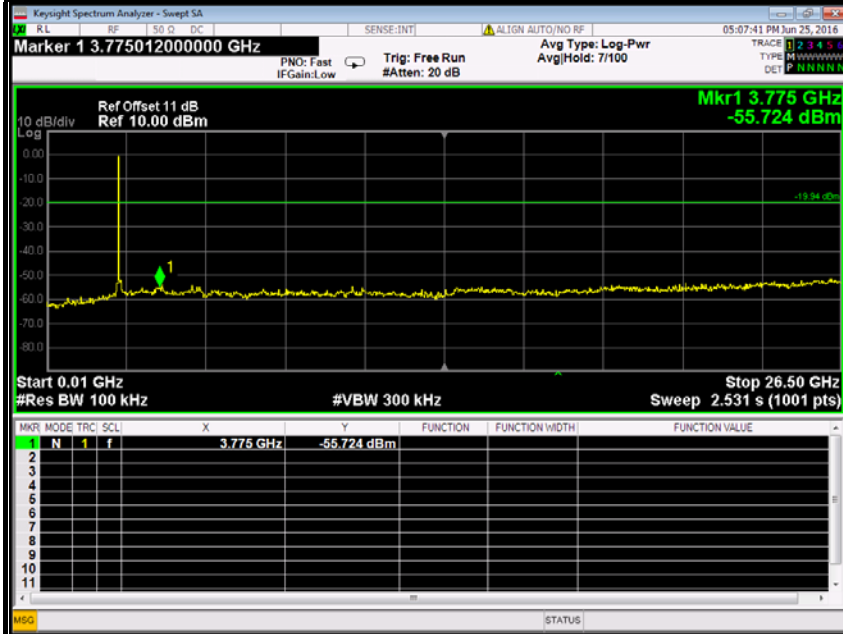




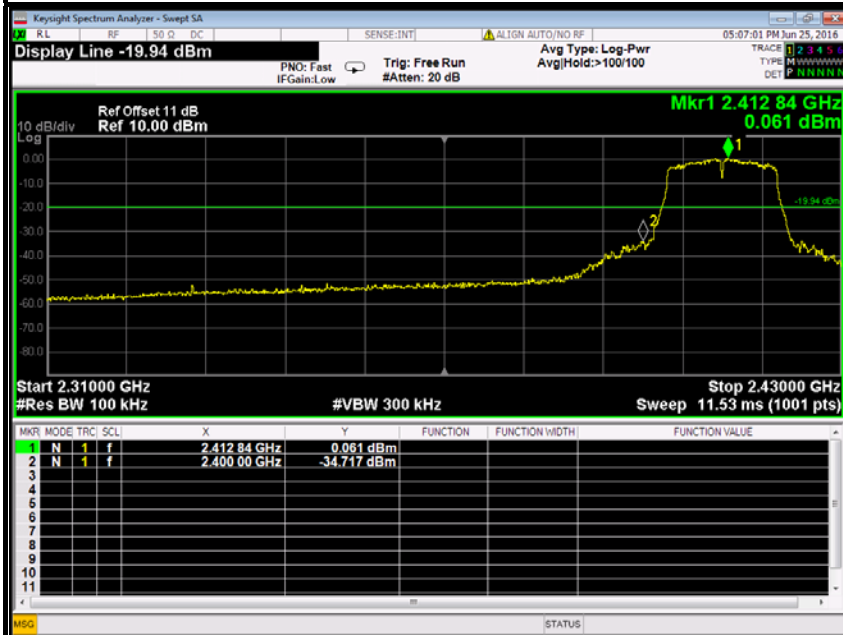


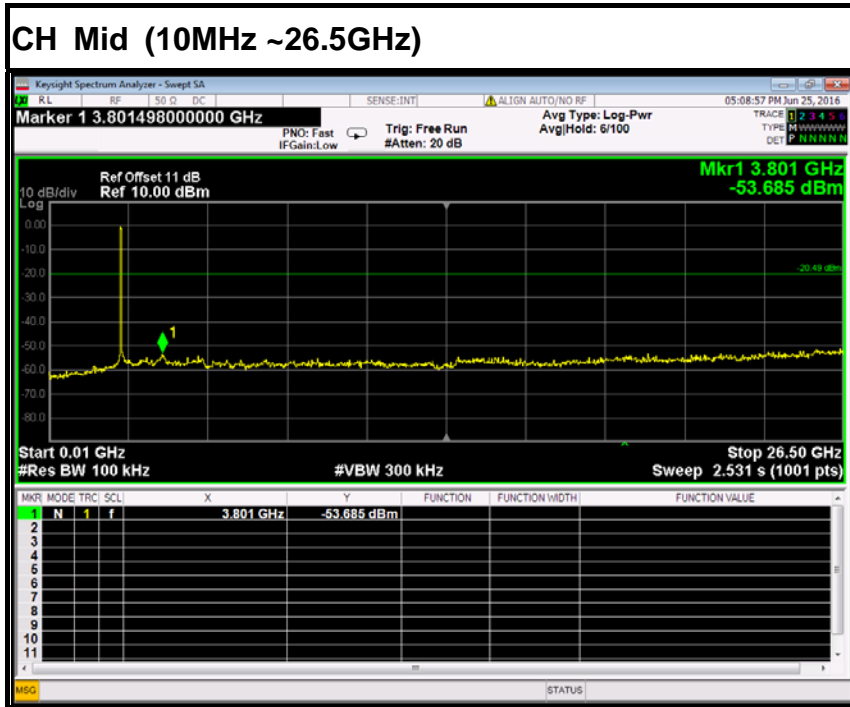
IEEE 802.11g mode

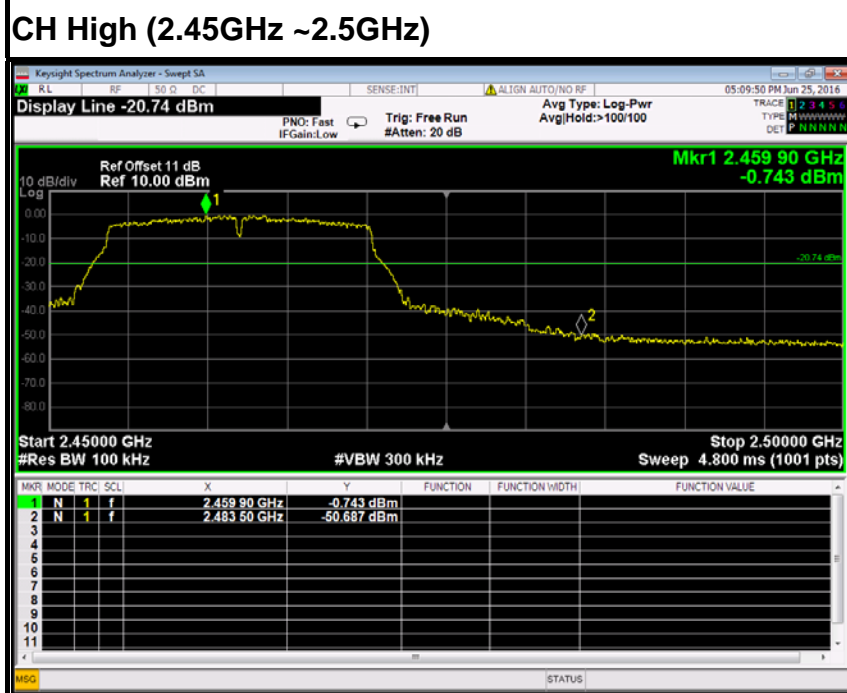
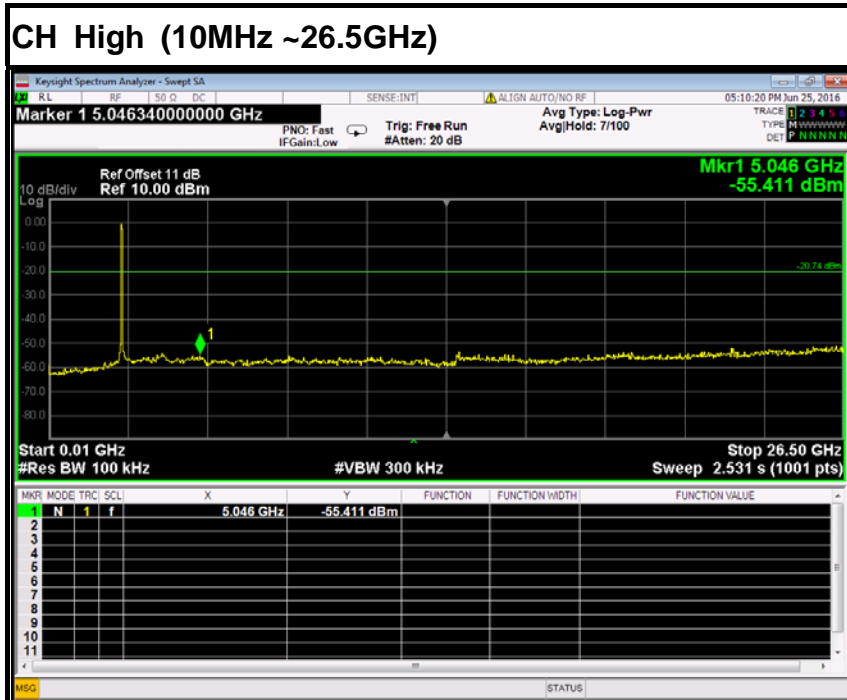
CH Low (10MHz ~26.5GHz)



CH Low (2.31GHz ~2.43GHz)



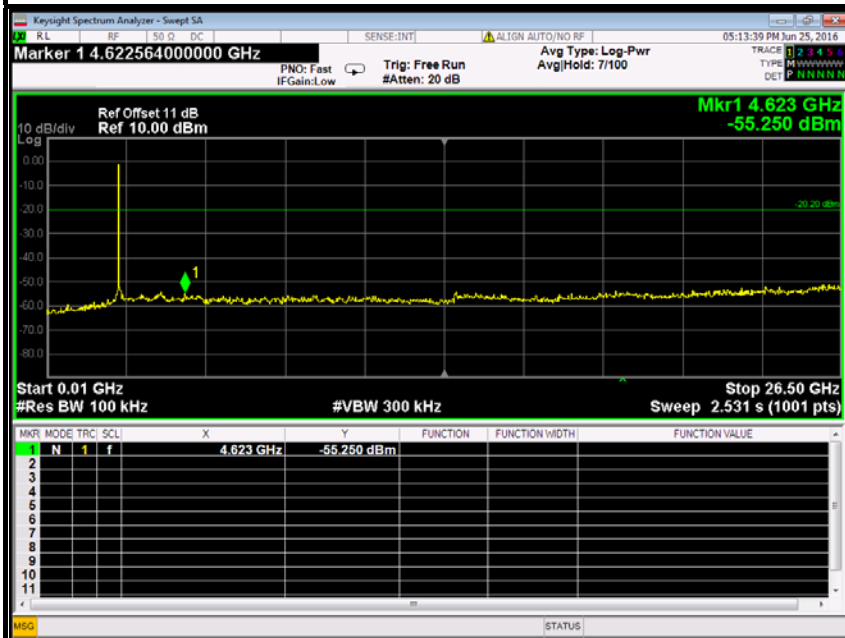




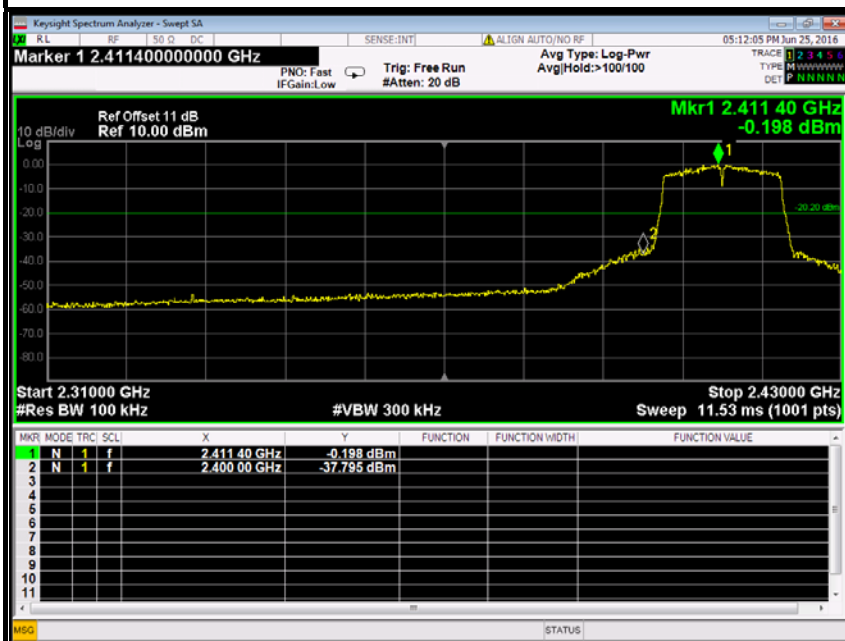


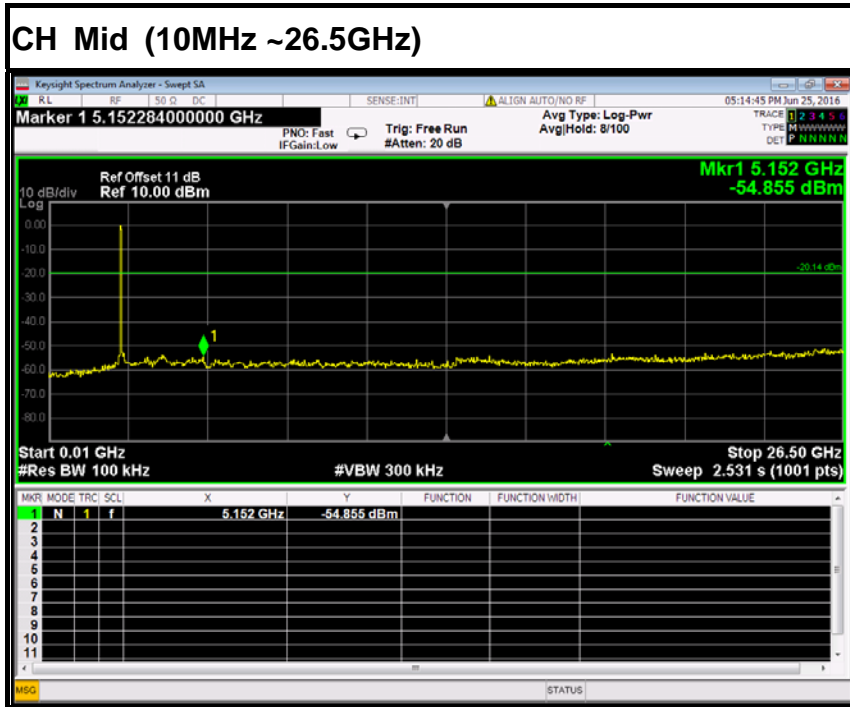
IEEE 802.11n HT20 MHz mode

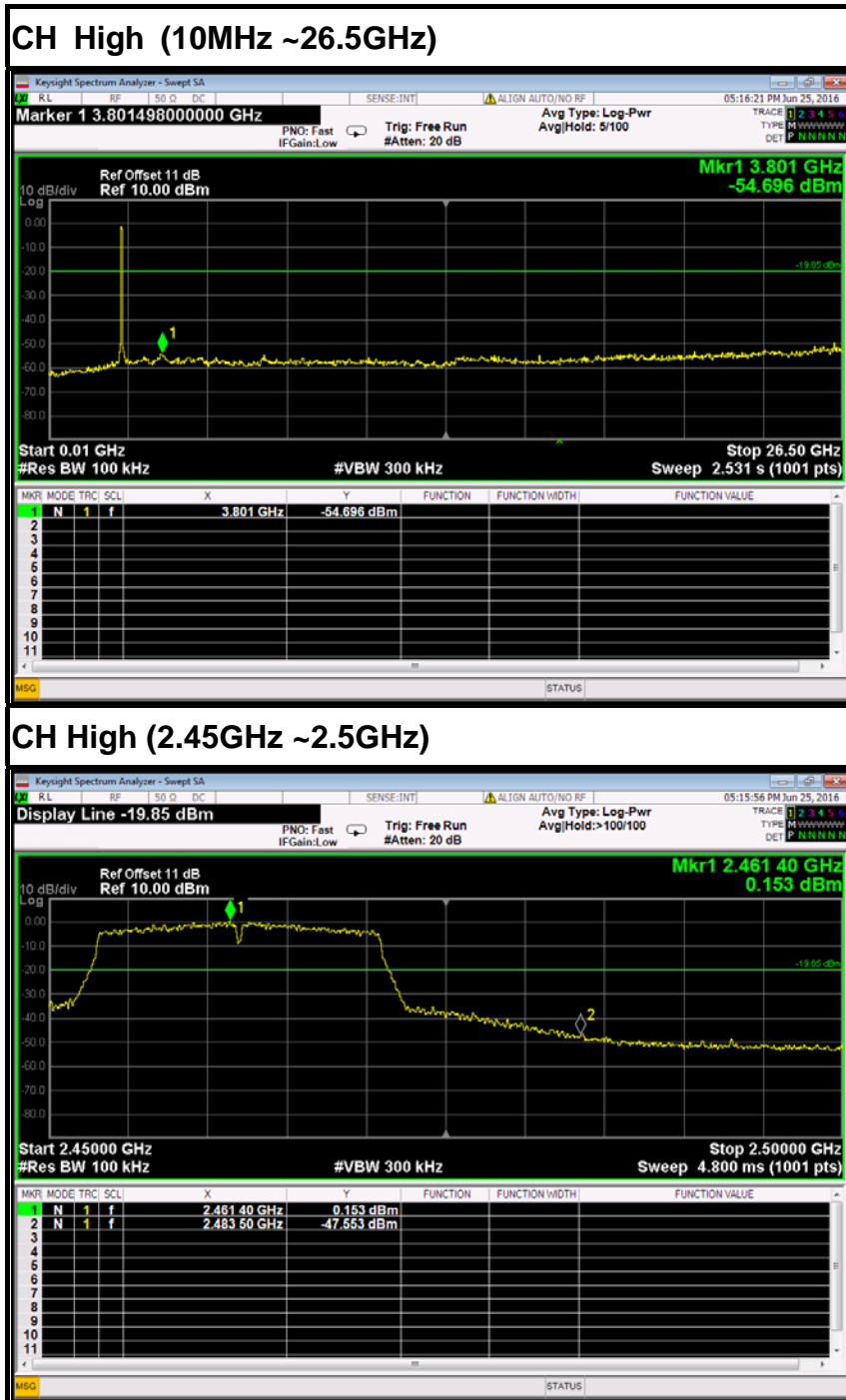
CH Low (10MHz ~26.5GHz)



CH Low (2.31GHz ~2.43GHz)

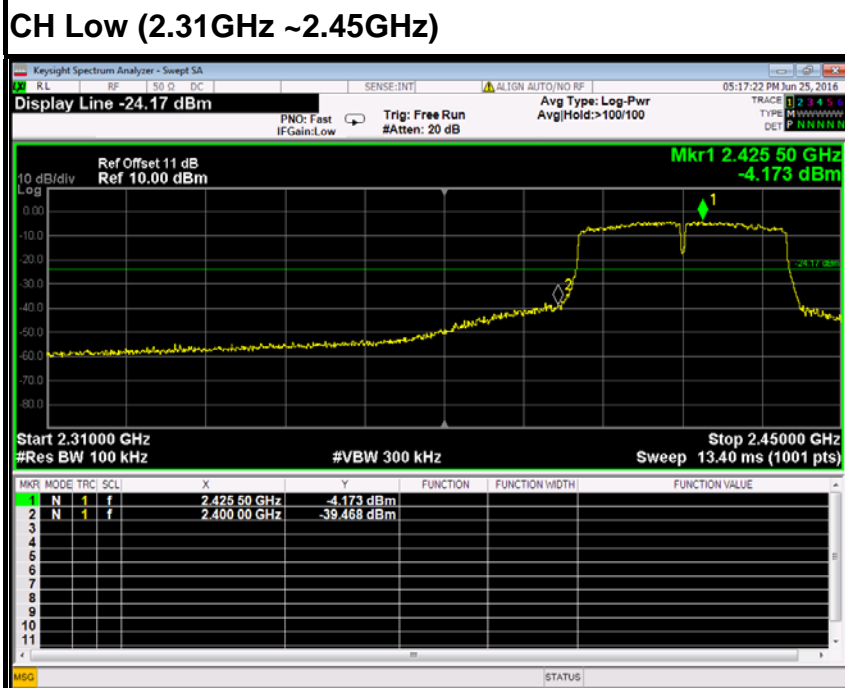
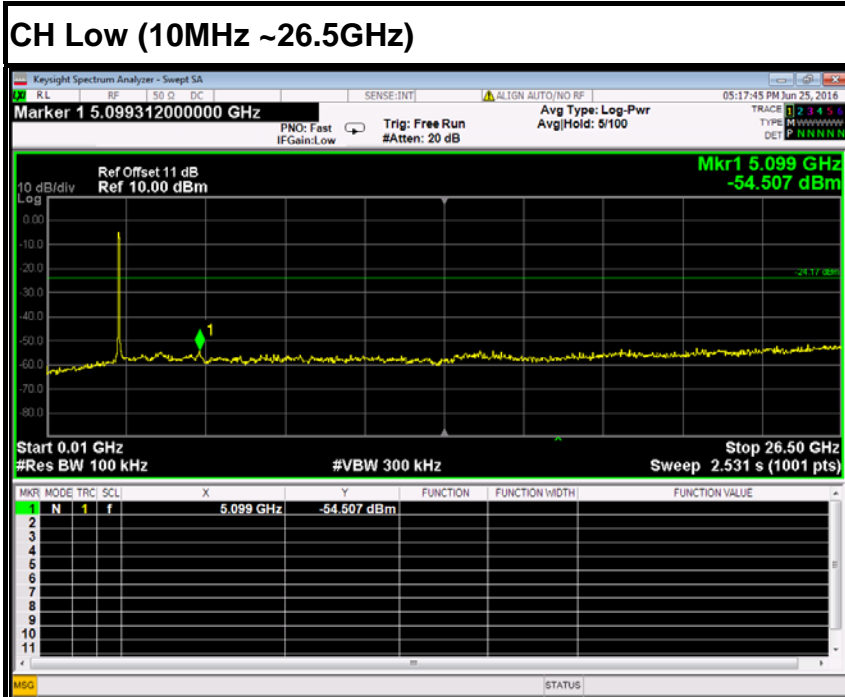


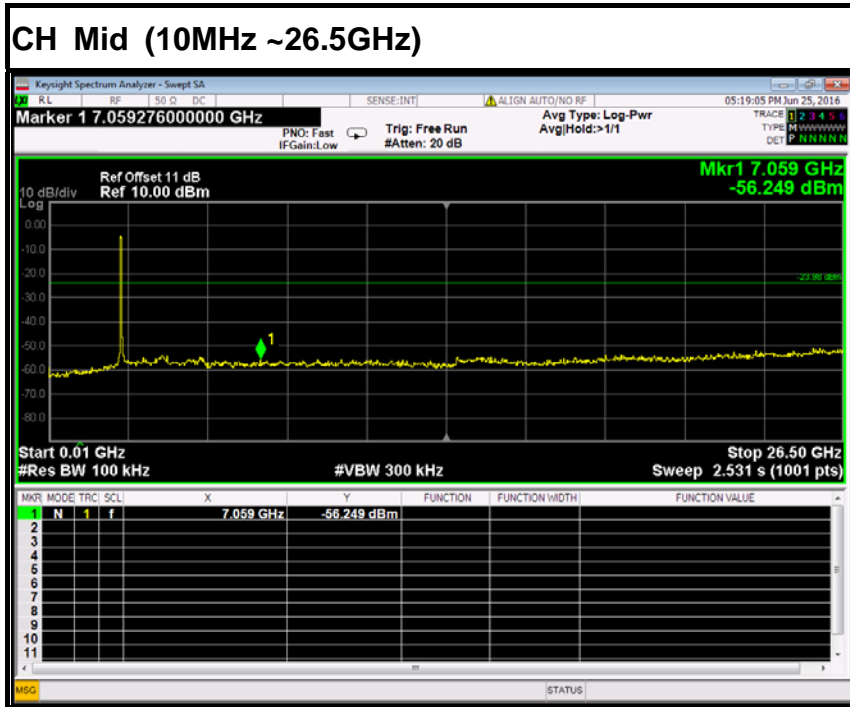


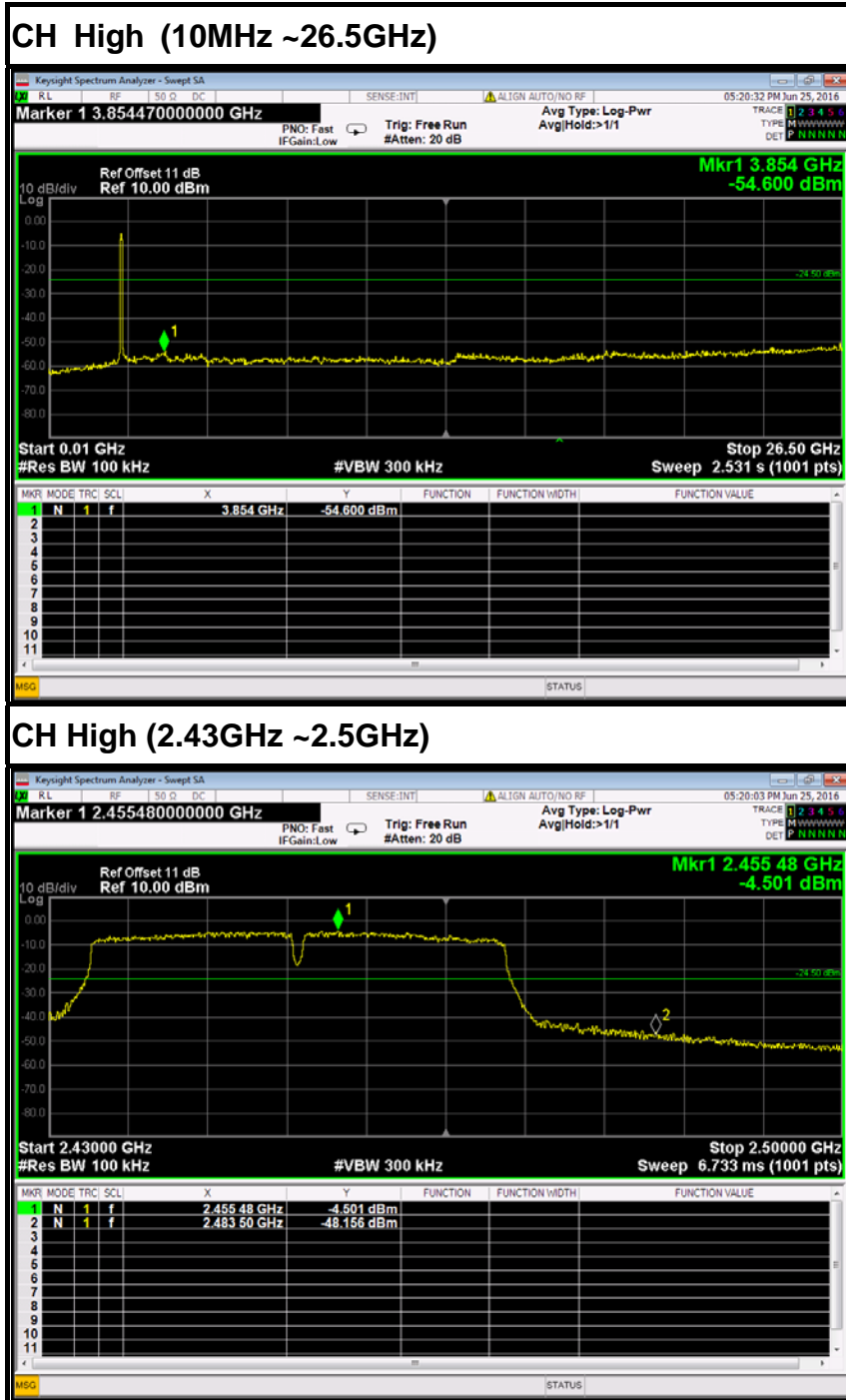




IEEE 802.11n HT40 MHz mode



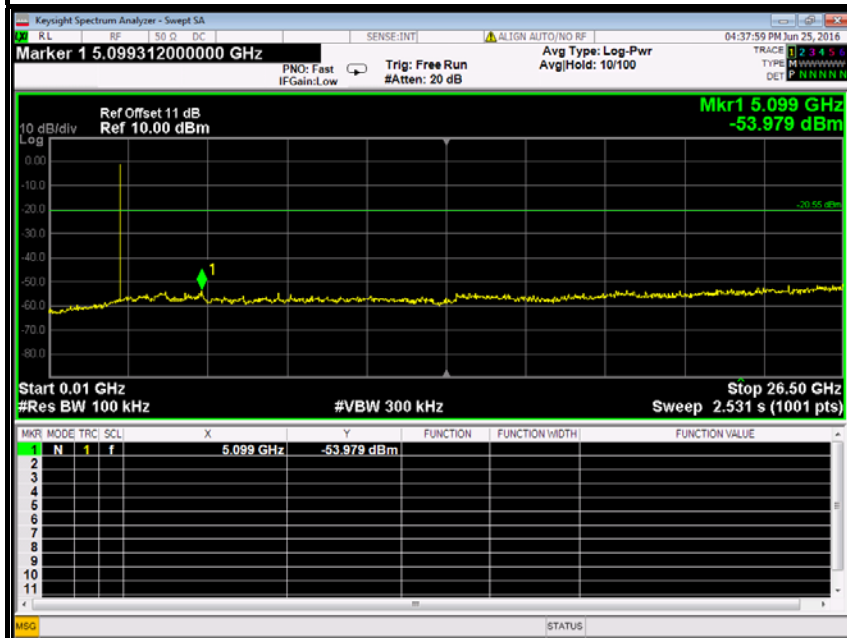




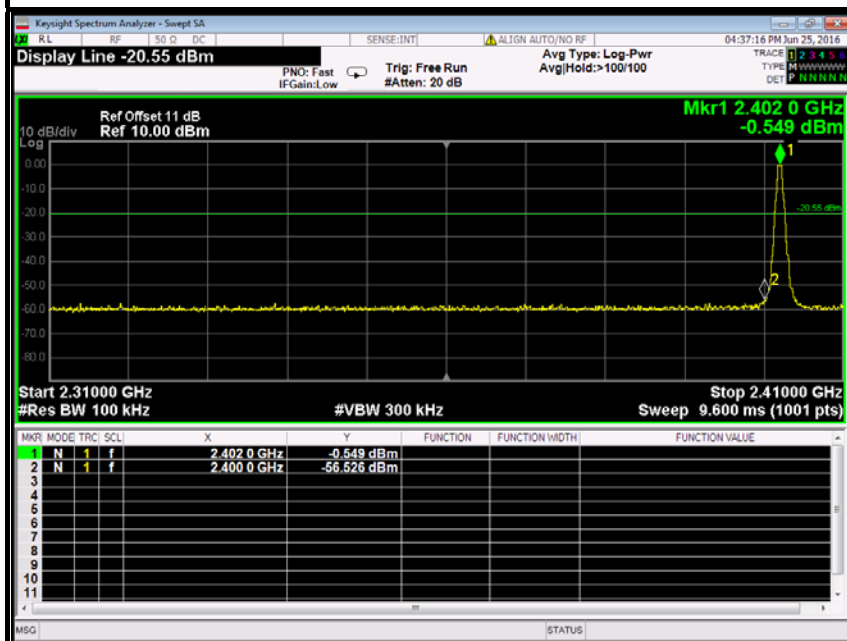


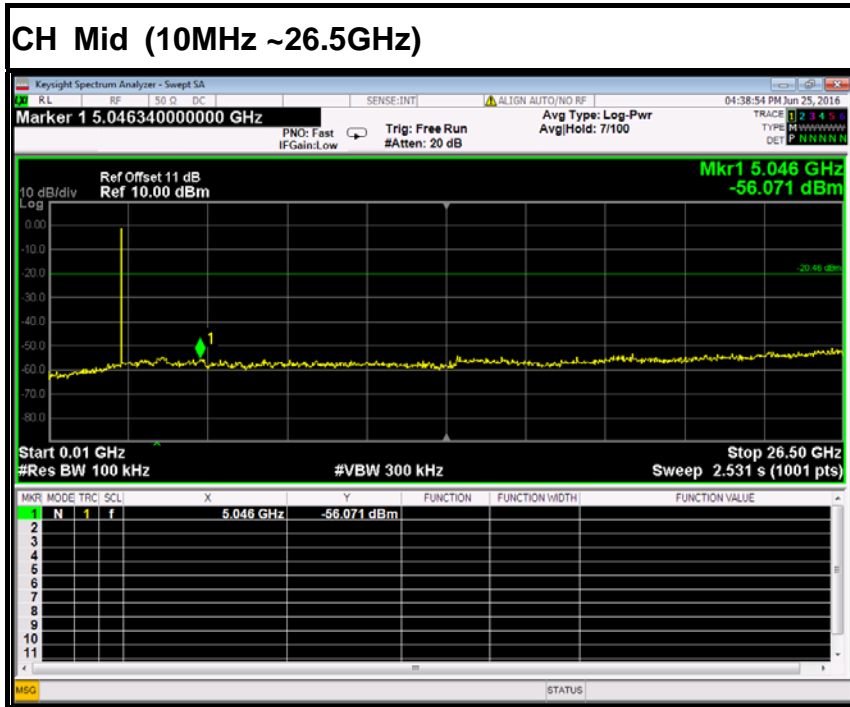
**Bluetooth 3.0
GFSK mode**

CH Low (10MHz ~26.5GHz)



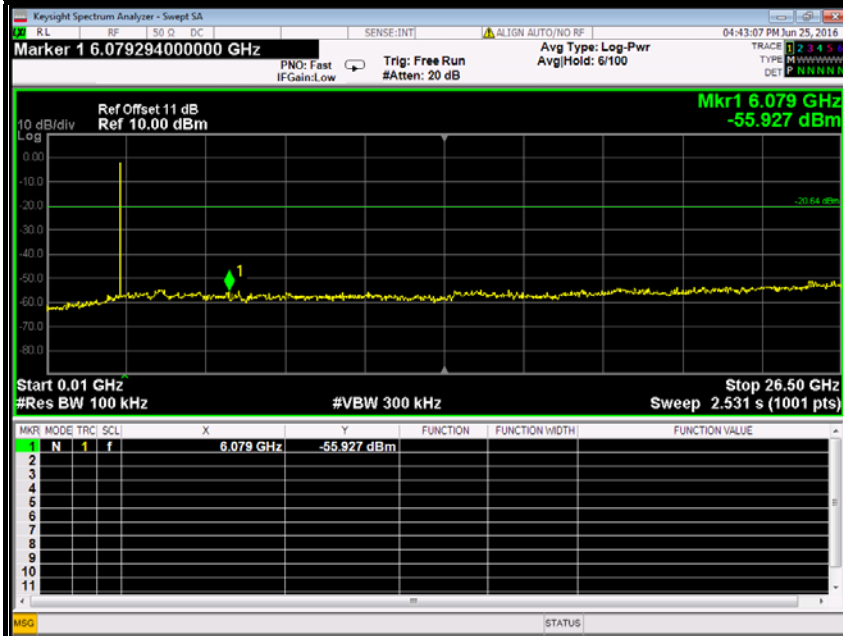
CH Low (2.31GHz ~2.41GHz)



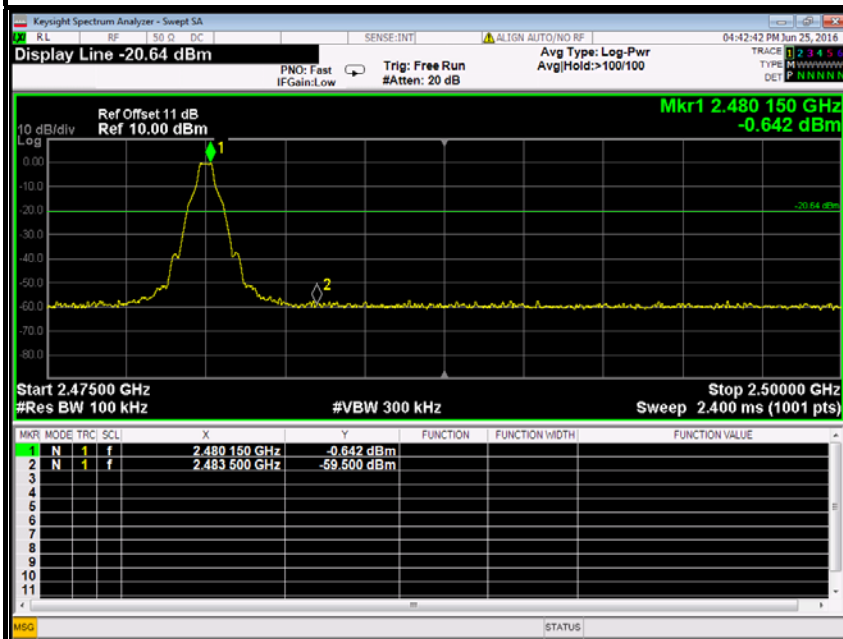




CH High (10MHz ~26.5GHz)



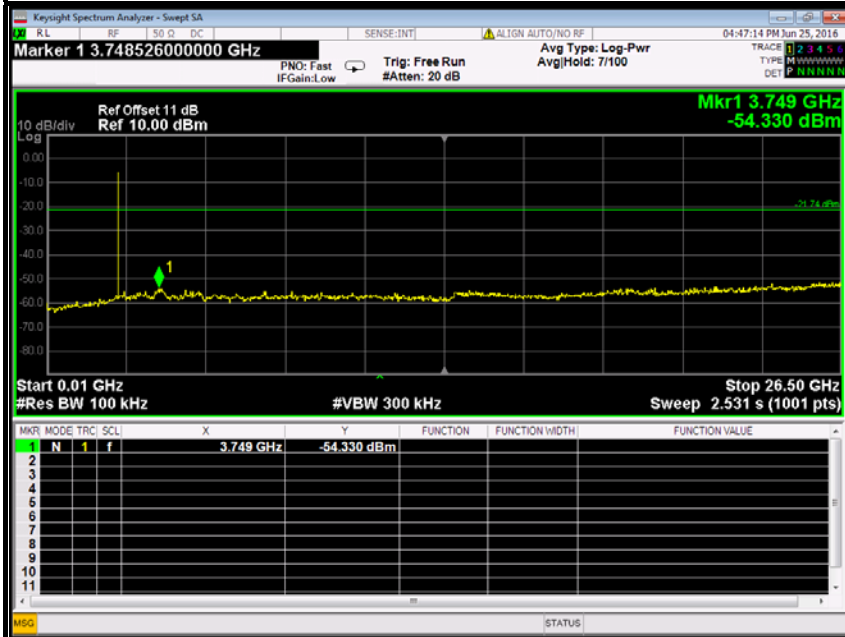
CH High (2.475GHz ~2.5GHz)



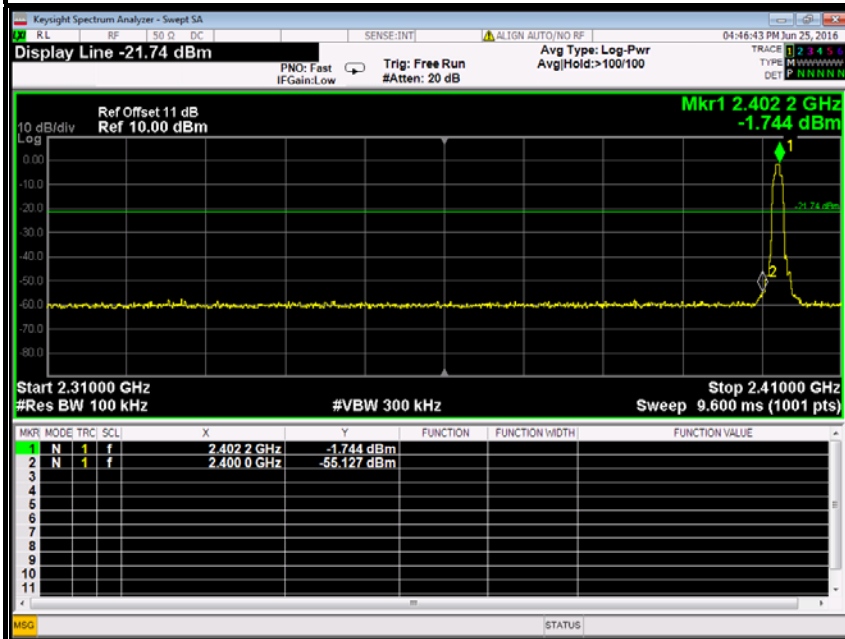


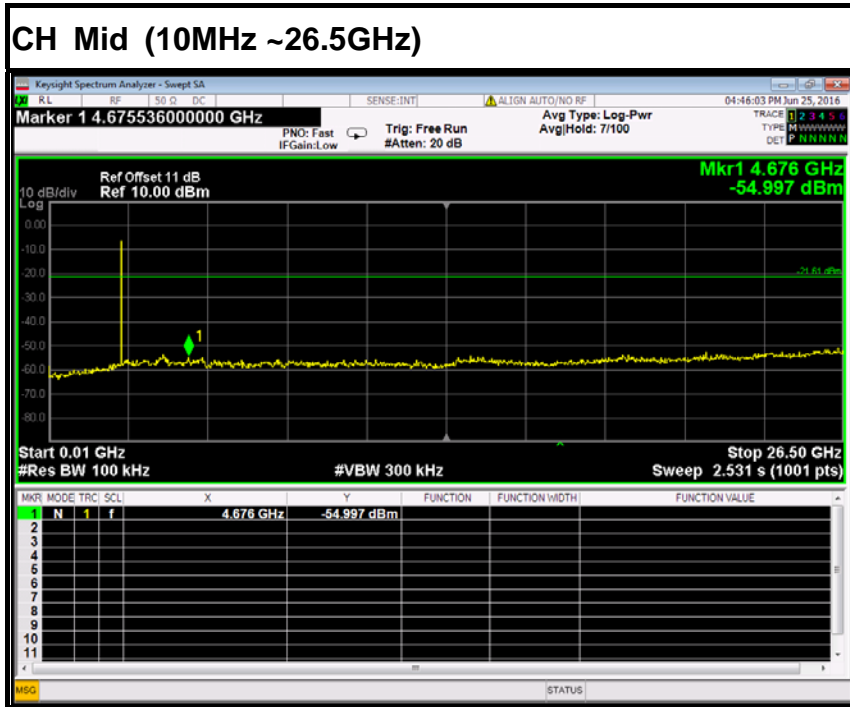
8DPSK mode

CH Low (10MHz ~26.5GHz)



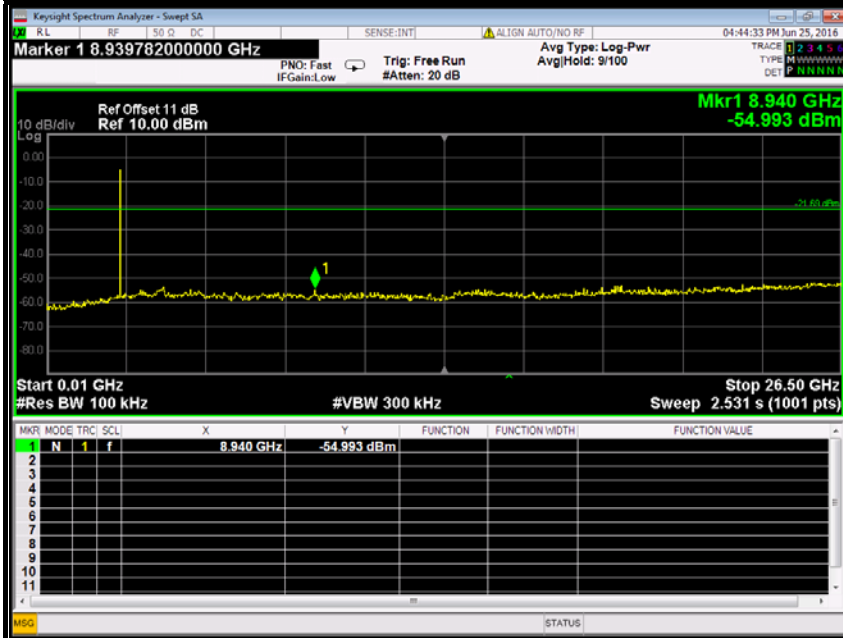
CH Low (2.31GHz ~2.41GHz)



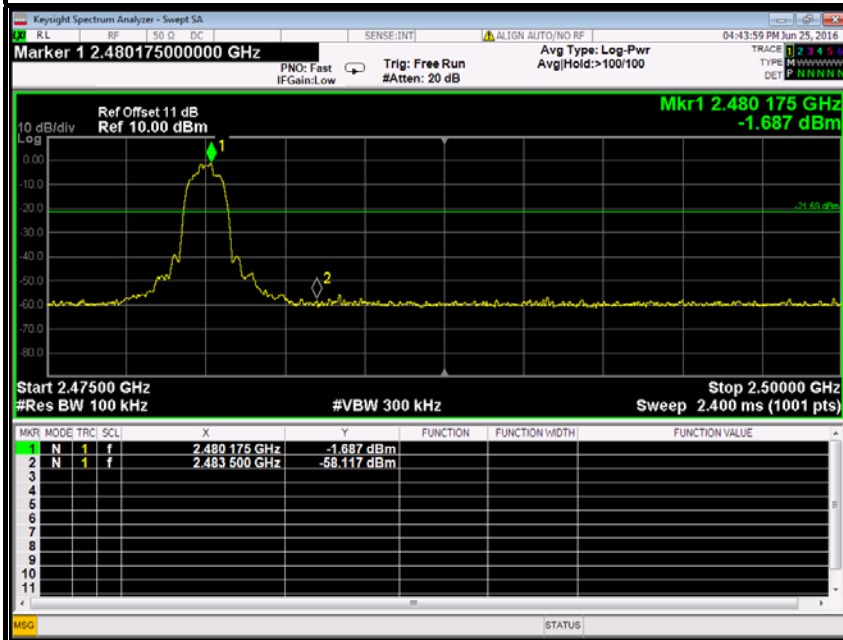




CH High (10MHz ~26.5GHz)



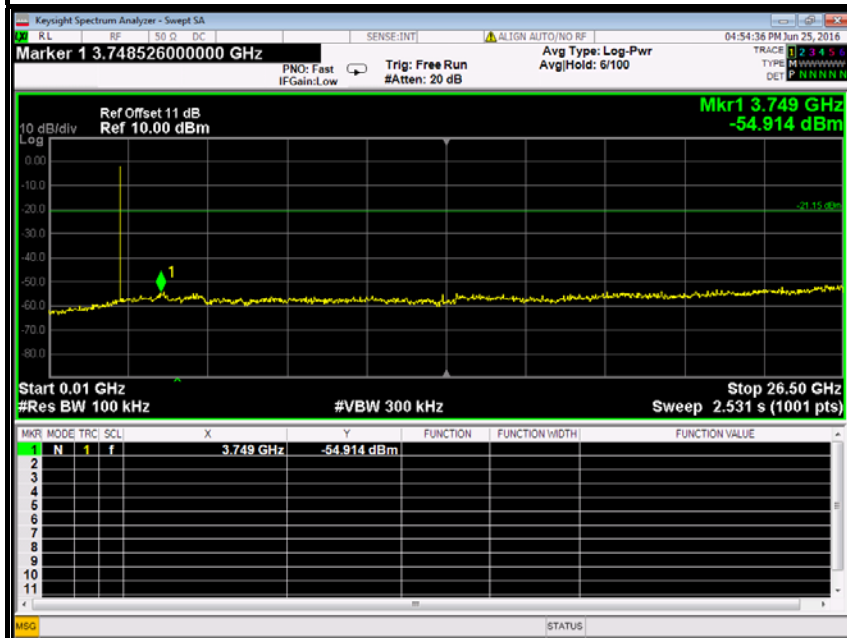
CH High (2.475GHz ~2.5GHz)



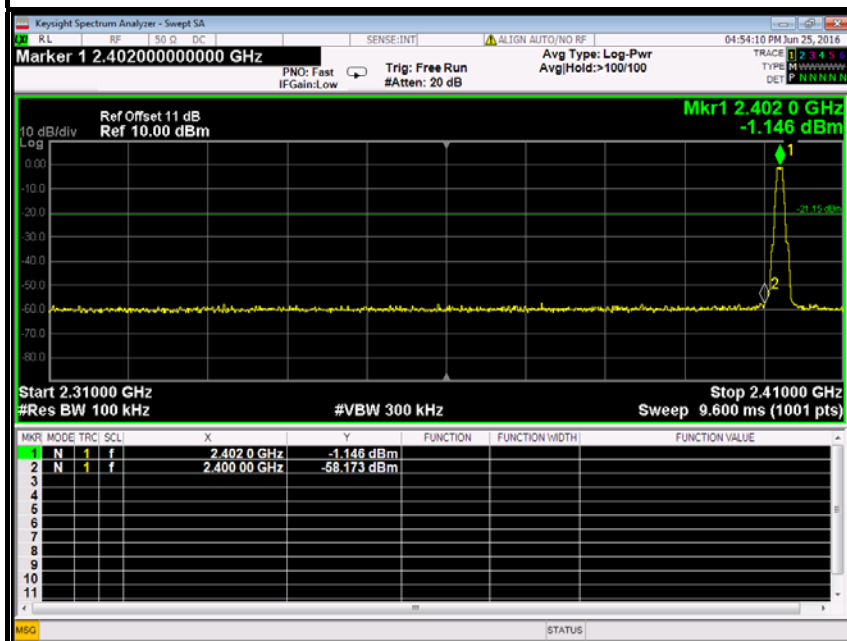


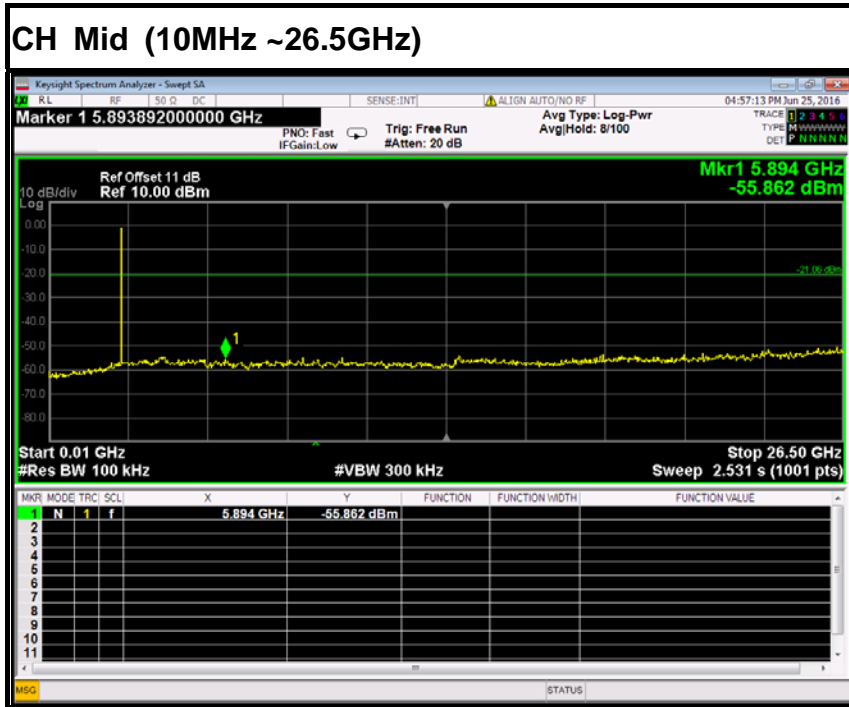
**Bluetooth 4.0
GFSK mode**

CH Low (10MHz ~26.5GHz)



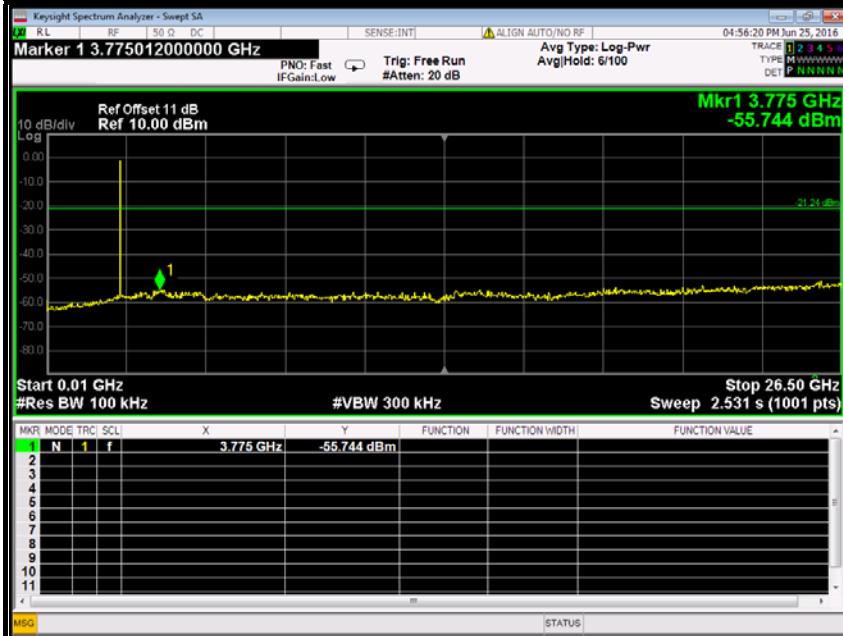
CH Low (2.31GHz ~2.41GHz)



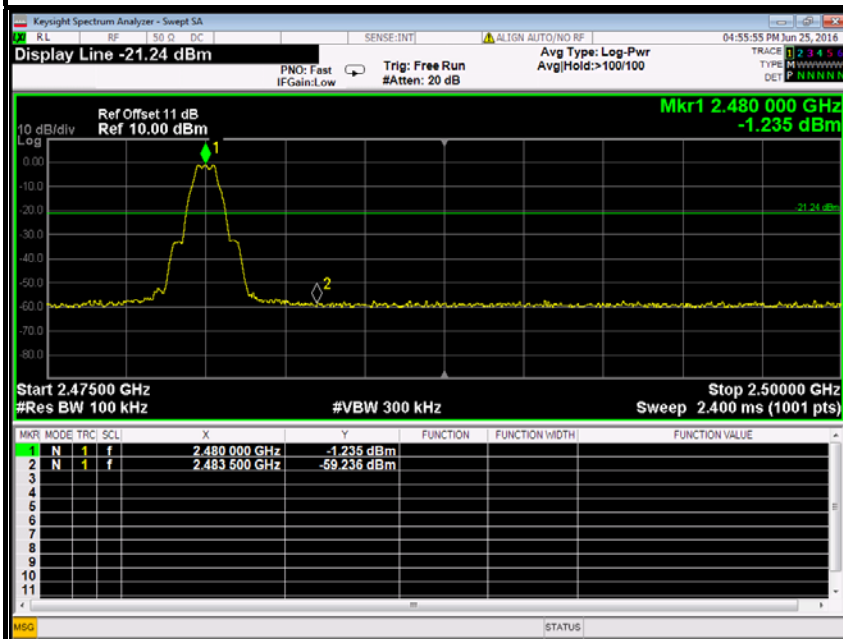




CH High (10MHz ~26.5GHz)



CH High (2.475GHz ~2.5GHz)





Hopping

