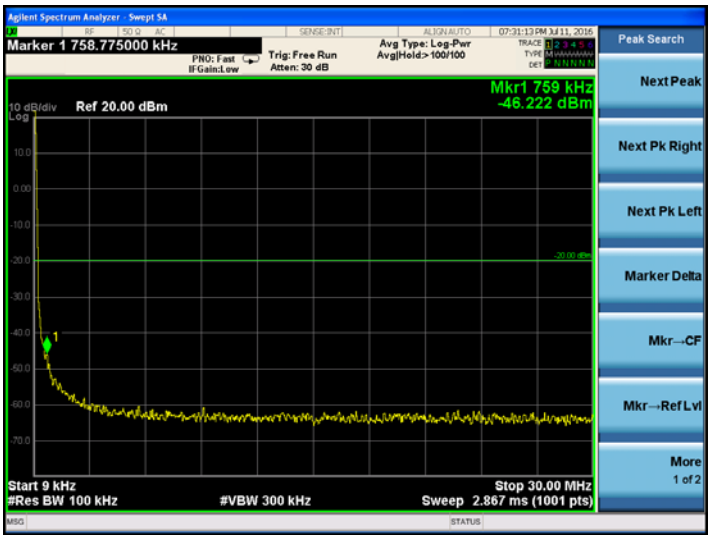
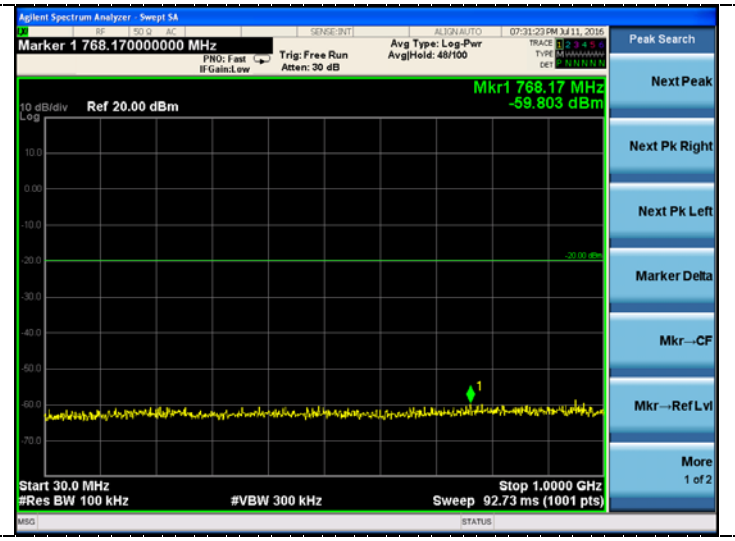
Test Mode:	802.11g	Test channel :	01

Channel 01

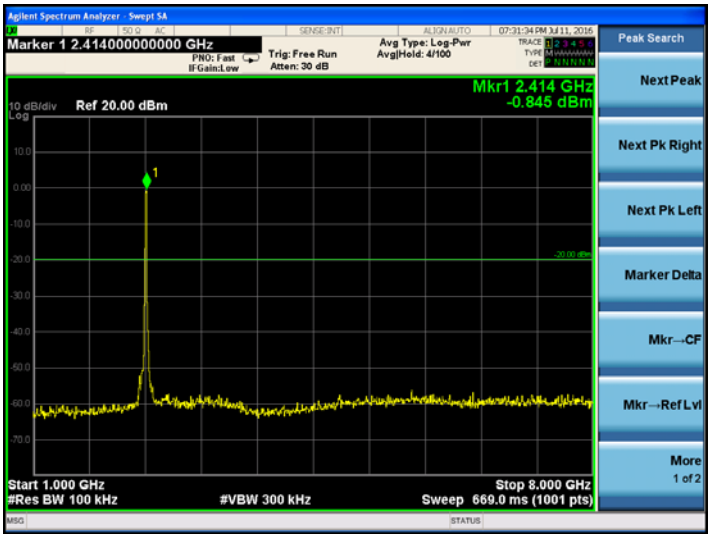


9KHz~30MHz



30M Hz~1GHz

Test Mode:	802.11g	Test channel :	01



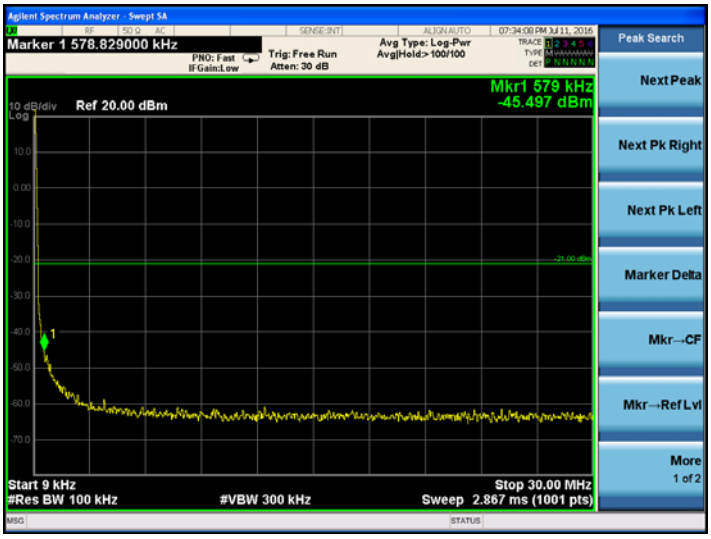
1G Hz~8GHz

8GHz~16GHz

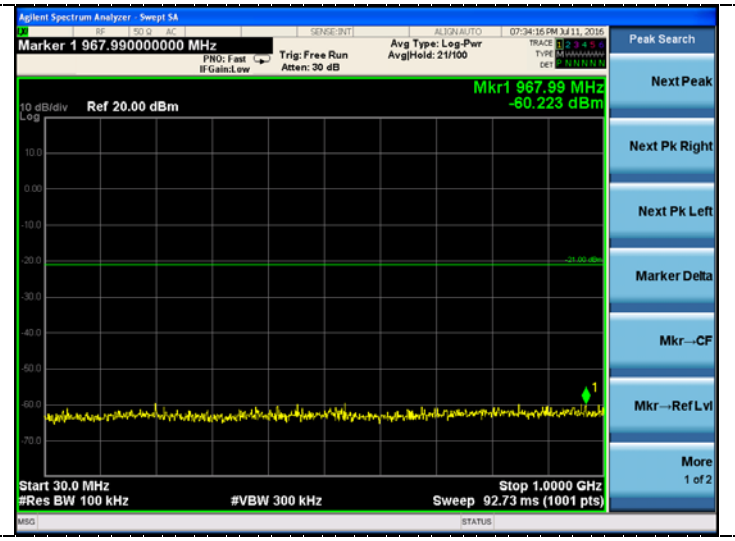
16Gz~25GHz

Test Mode:	802.11g	Test channel :	06

Channel 06

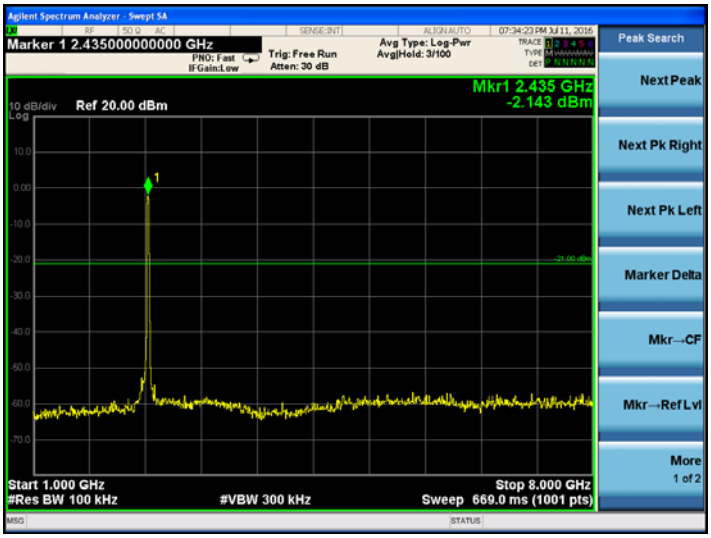


9KHz~30MHz



30M Hz~1GHz

Test Mode:	802.11g	Test channel :	06



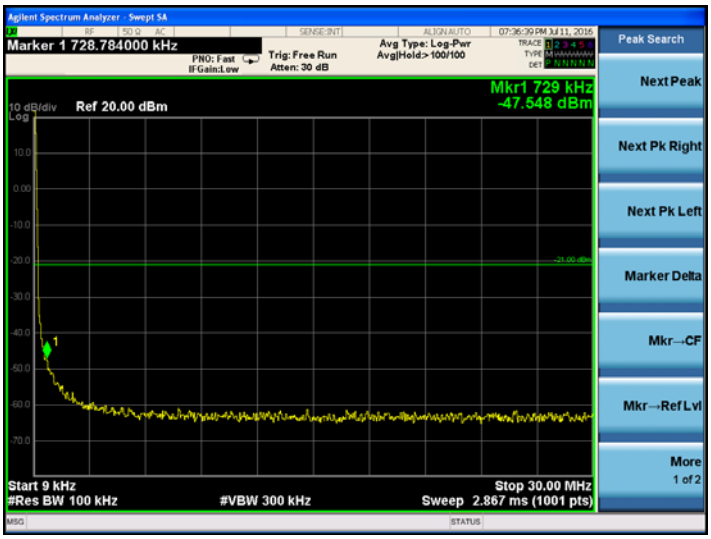
1G Hz~8GHz

8GHz~16GHz

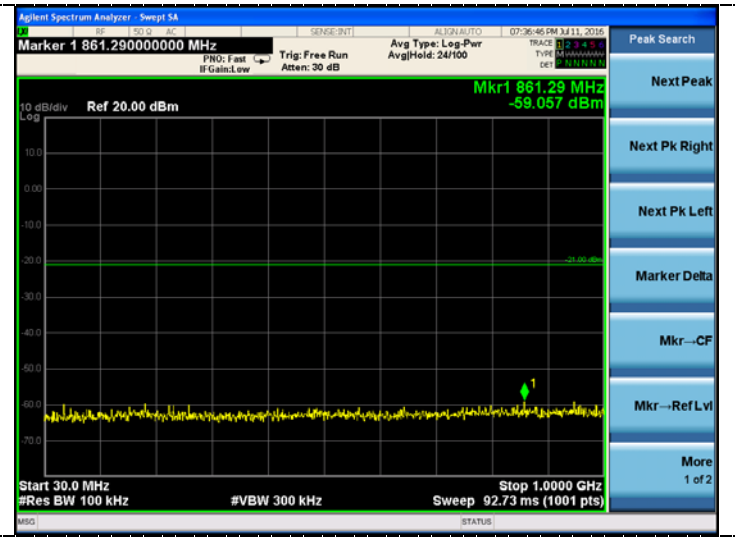
16Gz~25GHz

Test Mode:	802.11g	Test channel :	11

Channel 11

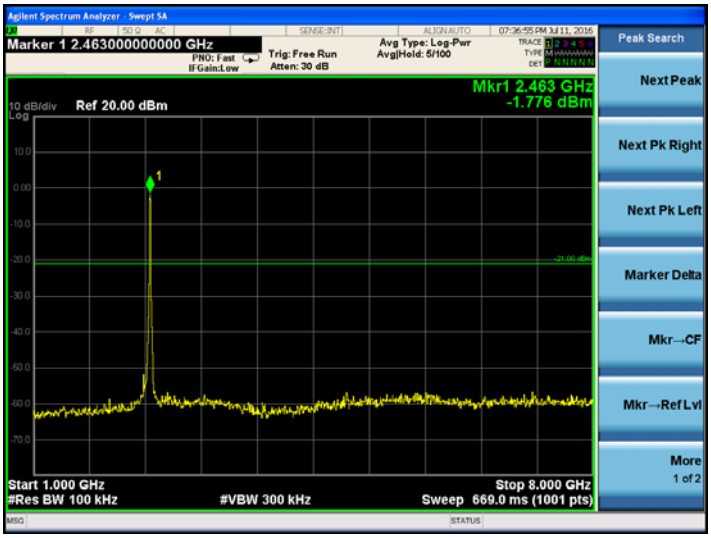


9KHz~30MHz



30M Hz~1GHz

Test Mode:	802.11g	Test channel :	11

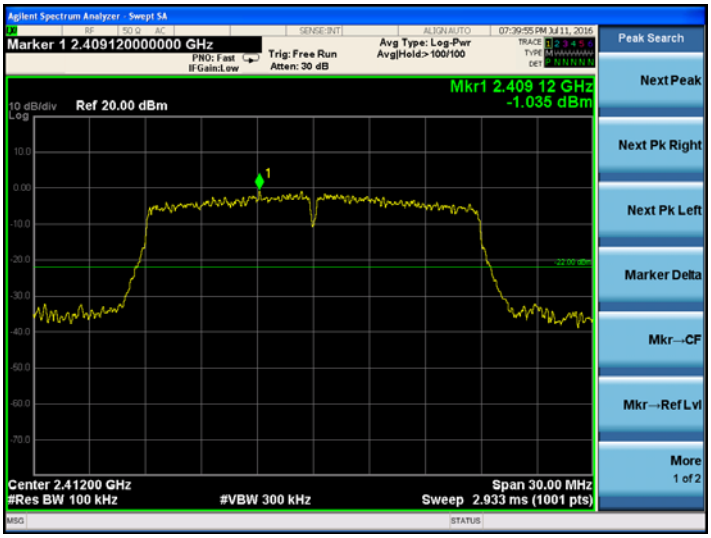


1G Hz~8GHz

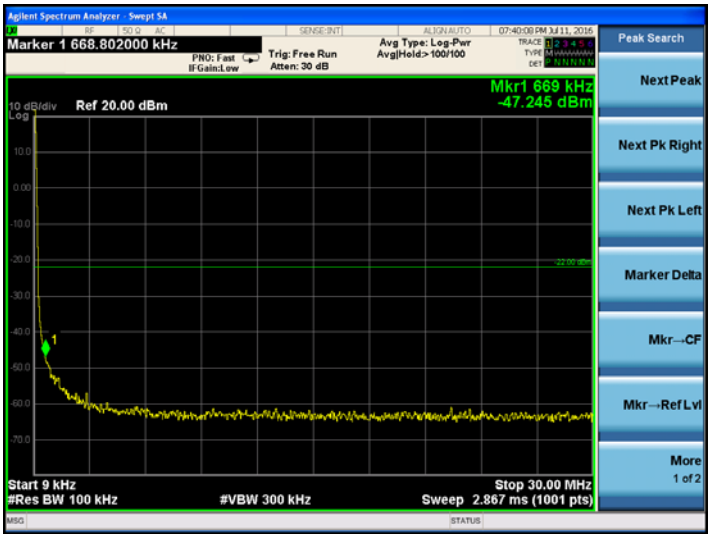
8GHz~16GHz

16Gz~25GHz

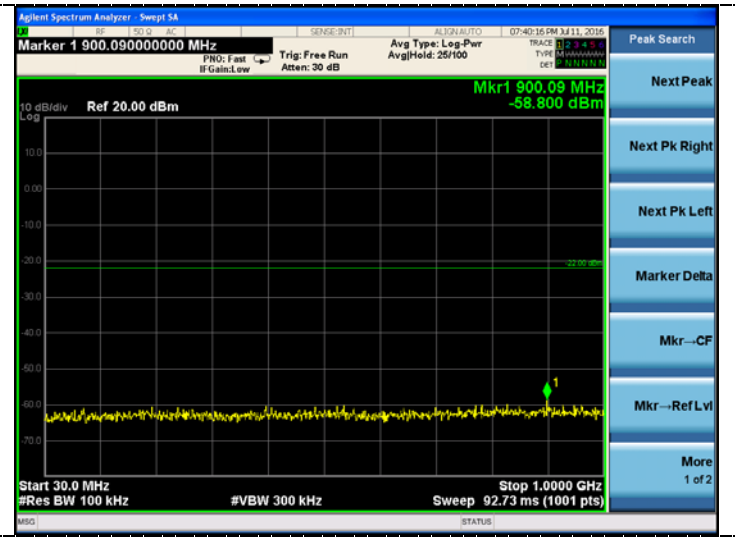
Test Mode:	802.11n HT20	Test channel :	01



Channel 01

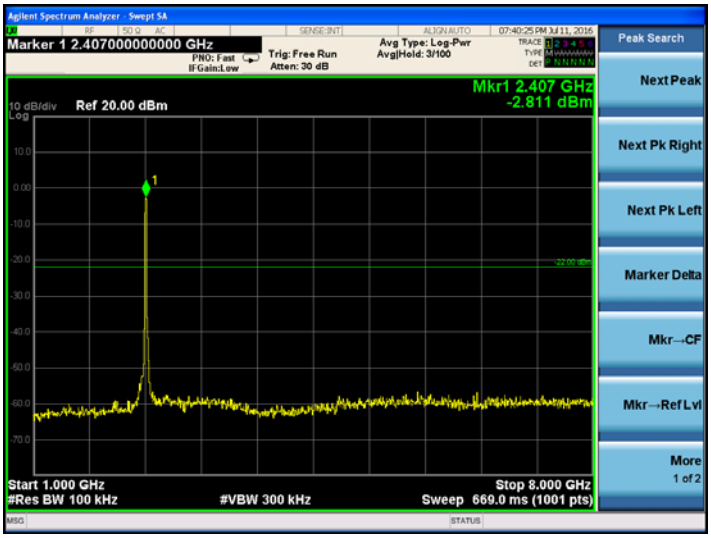


9KHz~30MHz



30M Hz~1GHz

Test Mode:	802.11n HT20	Test channel :	01

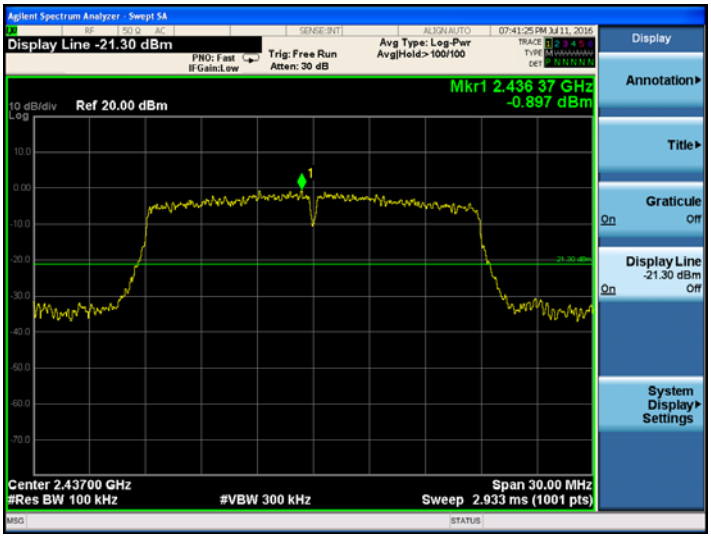


1G Hz~8GHz

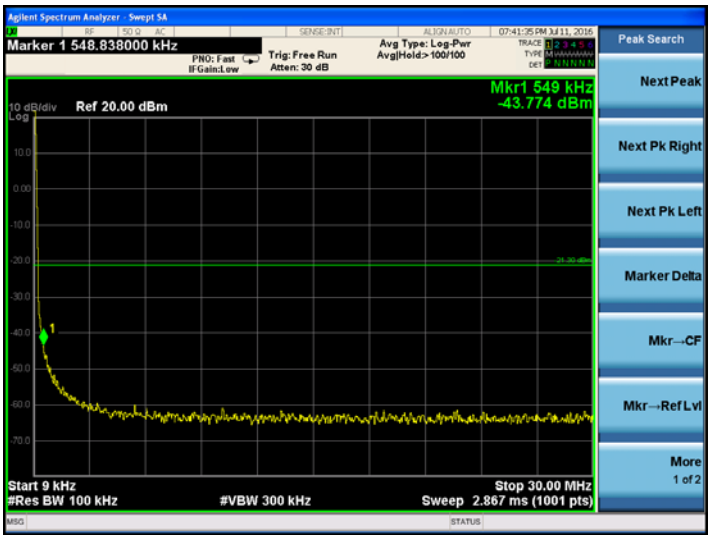
8GHz~16GHz

16Gz~25GHz

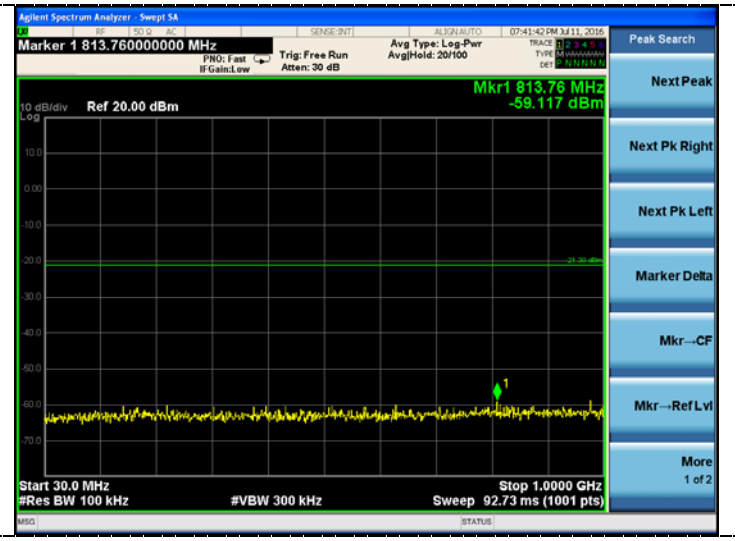
Test Mode:	802.11n HT20	Test channel :	06



Channel 06

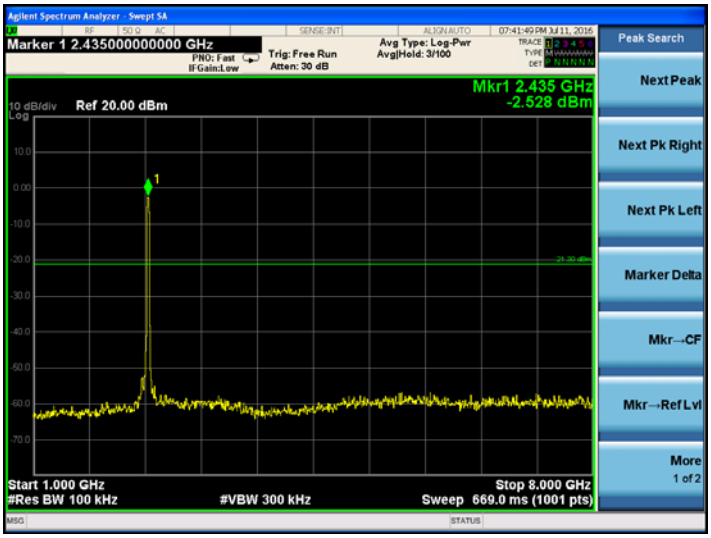


9KHz~30MHz



30M Hz~1GHz

Test Mode:	802.11n HT20	Test channel :	06

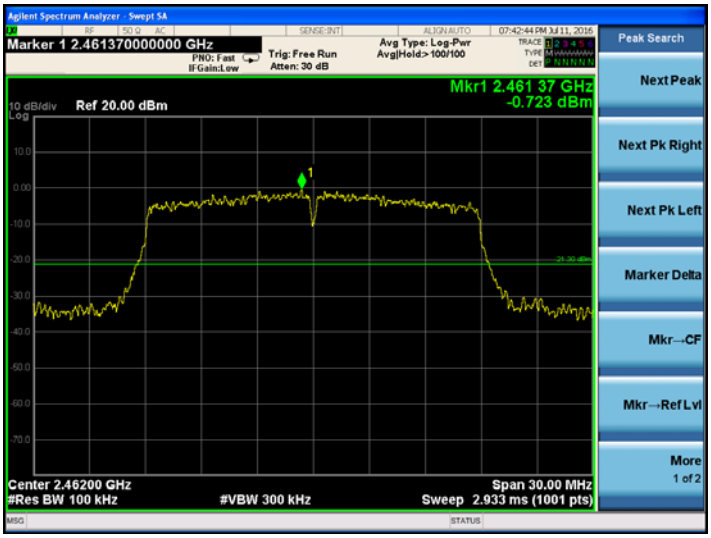


1G Hz~8GHz

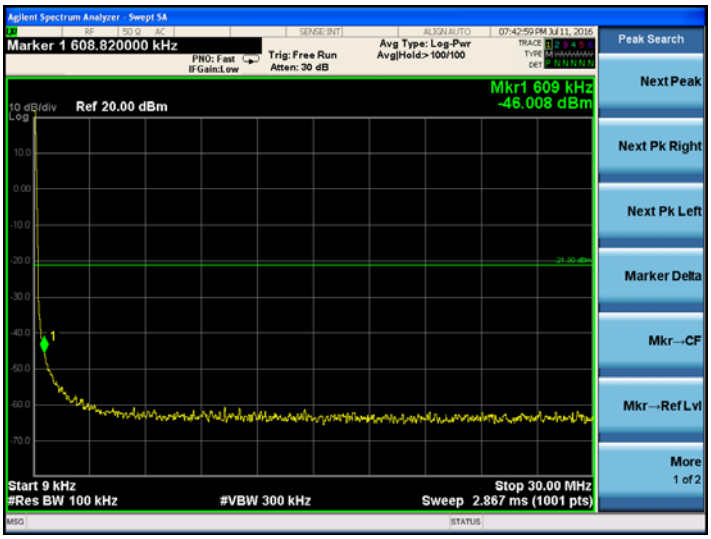
8GHz~16GHz

16Gz~25GHz

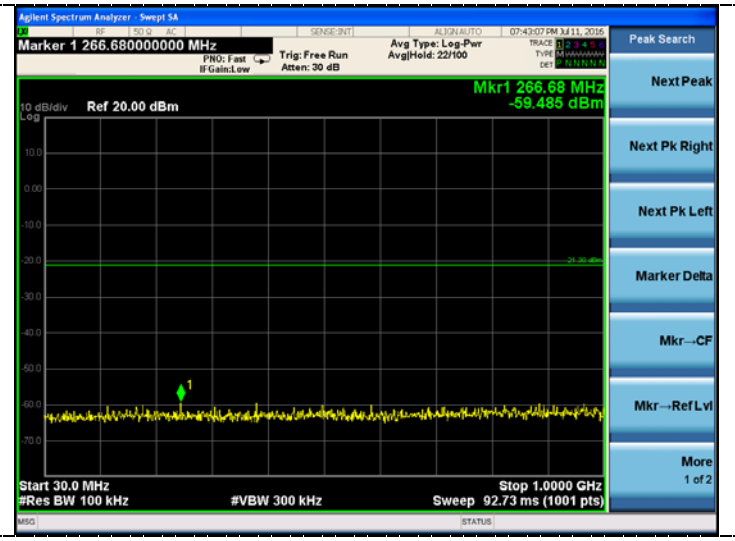
Test Mode:	802.11n HT20	Test channel :	11



Channel 11

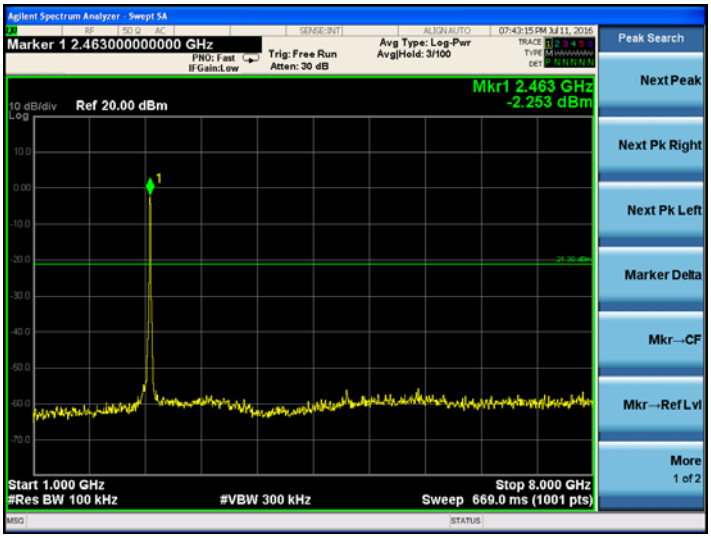


9KHz~30MHz



30M Hz~1GHz

Test Mode:	802.11n HT20	Test channel :	11



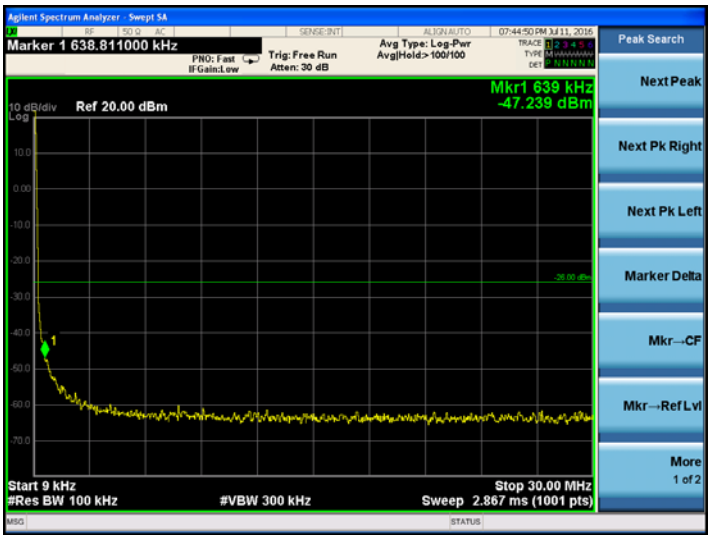
1G Hz~8GHz

8GHz~16GHz

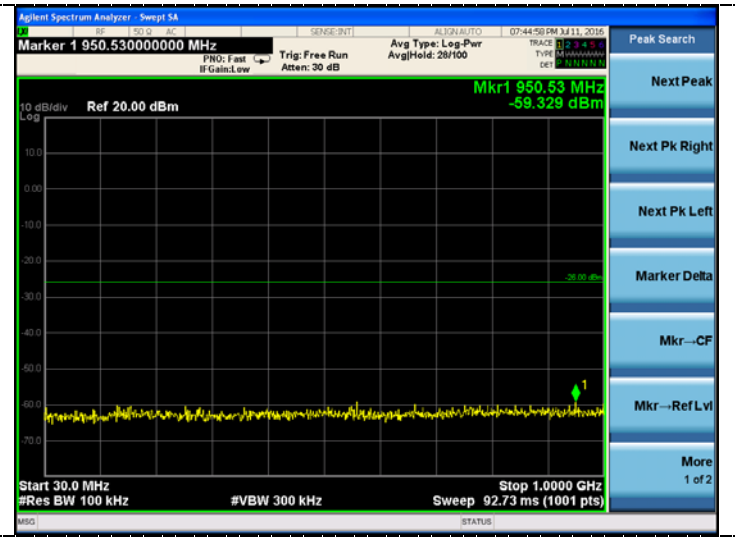
16Gz~25GHz

Test Mode:	802.11n HT40	Test channel :	03

Channel 01

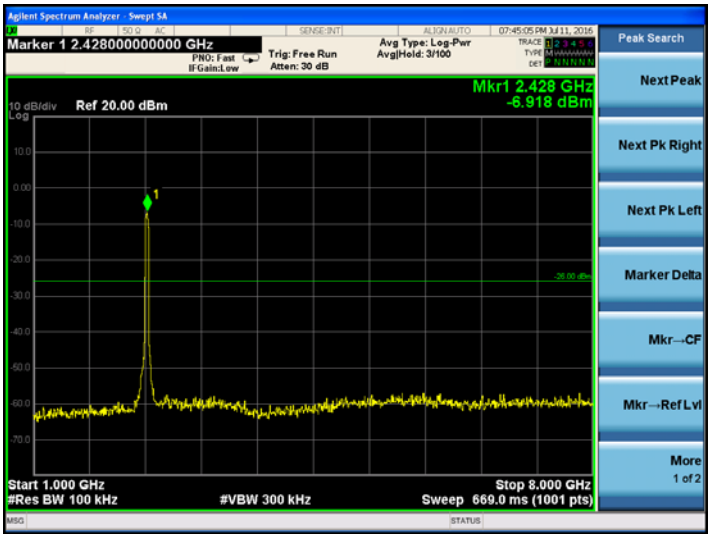


9KHz~30MHz



30M Hz~1GHz

Test Mode:	802.11n HT40	Test channel :	03



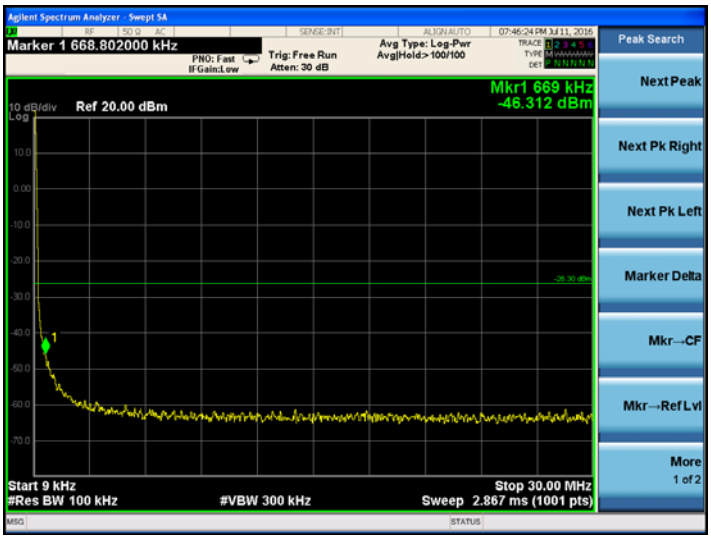
1G Hz~8GHz

8GHz~16GHz

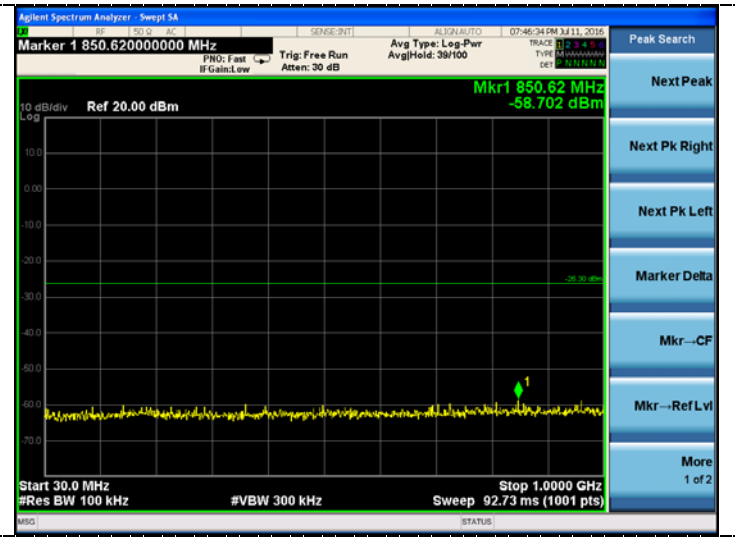
16Gz~25GHz

Test Mode:	802.11n HT40	Test channel :	06

Channel 06

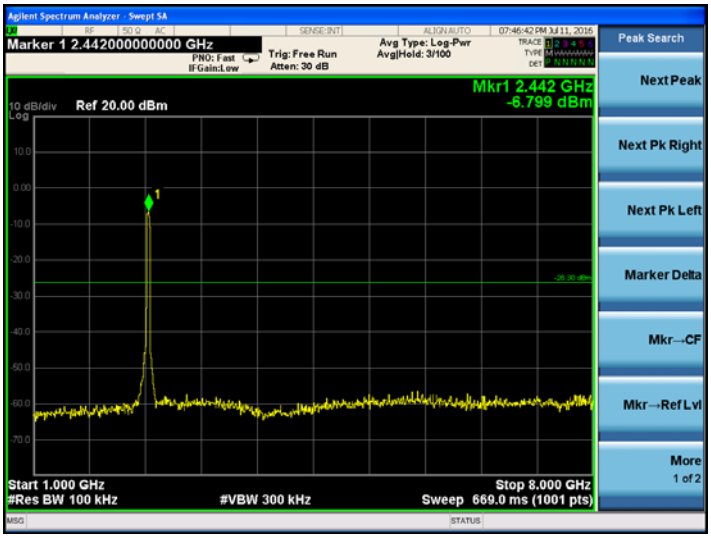


9KHz~30MHz



30M Hz~1GHz

Test Mode:	802.11n HT40	Test channel :	06



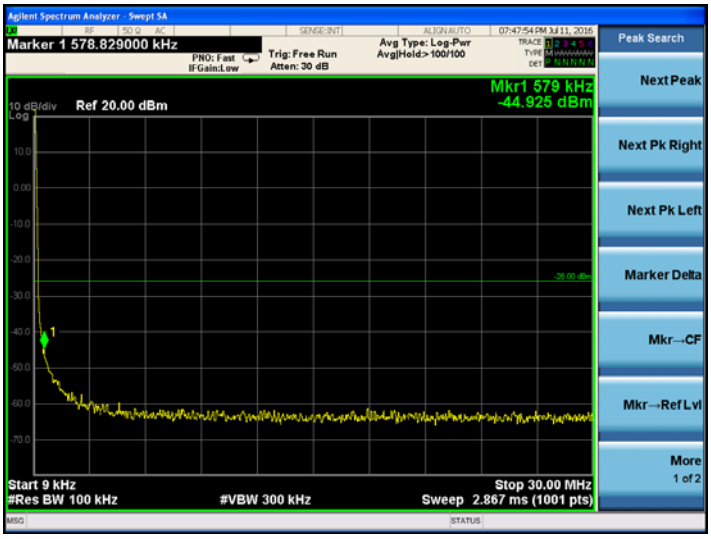
1G Hz~8GHz

8GHz~16GHz

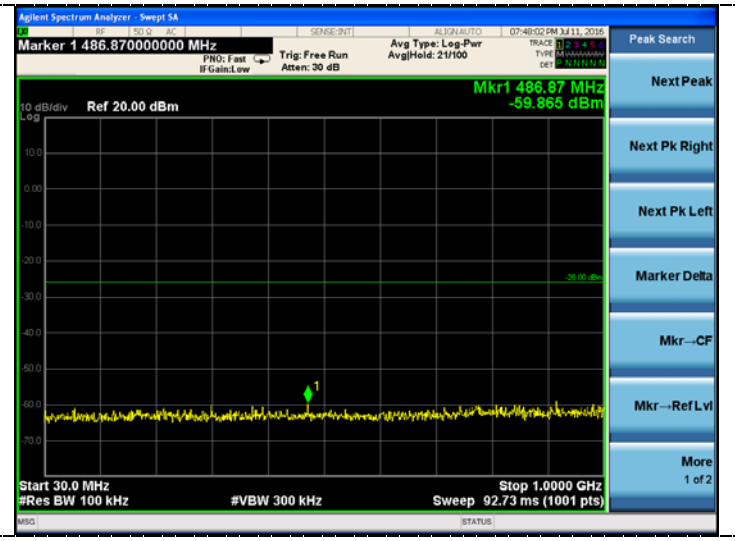
16Gz~25GHz

Test Mode:	802.11n HT40	Test channel :	09

Channel 11

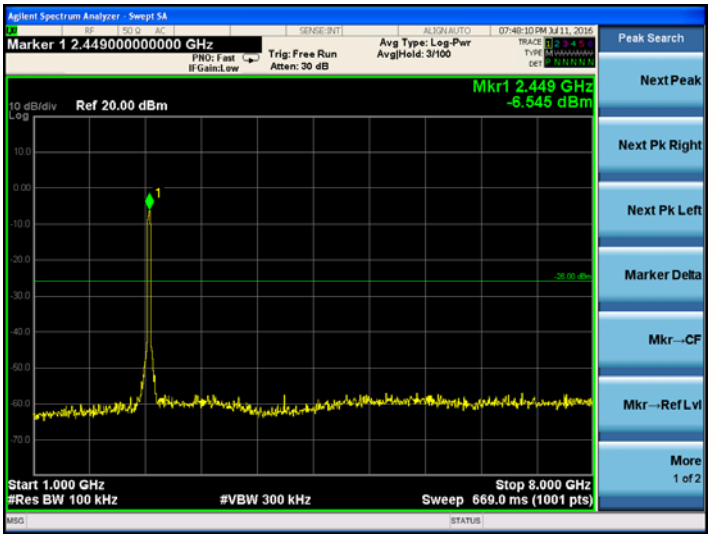


9KHz~30MHz



30M Hz~1GHz

Test Mode:	802.11n HT40	Test channel :	09



1G Hz~8GHz

8GHz~16GHz

16Gz~25GHz

4.8. Antenna Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.247 (c), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

Refer to statement below for compliance.

The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

Measurement

The antenna gain of the complete system is calculated by the difference of radiated power in EIRP and the conducted power of the module.For normal WLAN devices, the DSSS mode is used.

Measurement parameters

Measurement parameter	
Detector:	Peak
Sweep time:	Auto
Resolution bandwidth:	1MHz
Video bandwidth:	3MHz
Trace-Mode:	Max hold

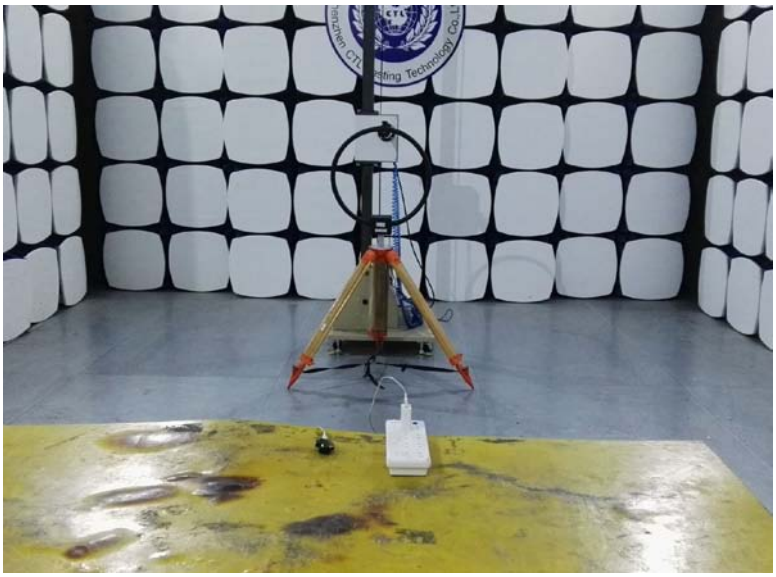
Limits

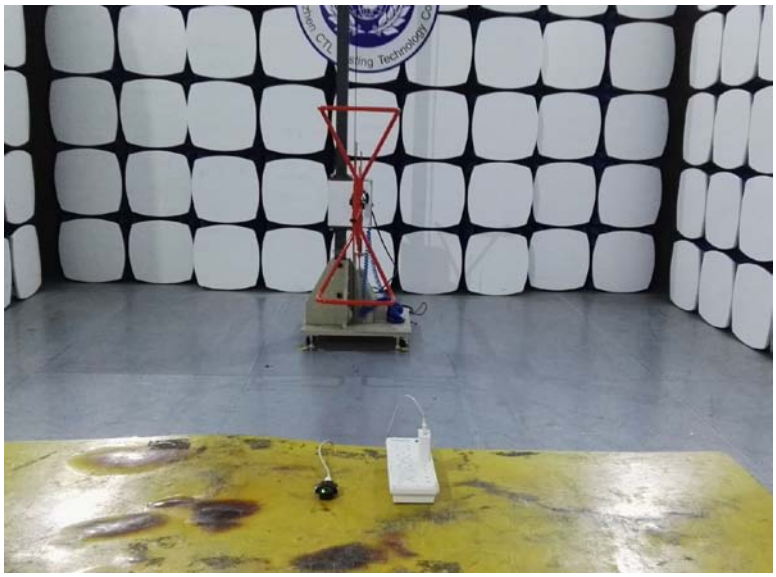
Antenna Gain	6 dBi

Results

T_{nom}	V_{nom}	Lowest Channel 2412 MHz	Middle Channel 2437 MHz	Highest Channel 2462 MHz
Conducted power [dBm] Measured with DSSS modulation		9.21	9.86	9.62
Radiated power [dBm] Measured with DSSS modulation		10.77	11.29	10.98
Gain [dBi] Calculated		1.56	1.43	1.36
Measurement uncertainty		± 0.6 dB (cond.) / ± 4.32 dB (rad.)		

5. Test Setup Photos of the EUT

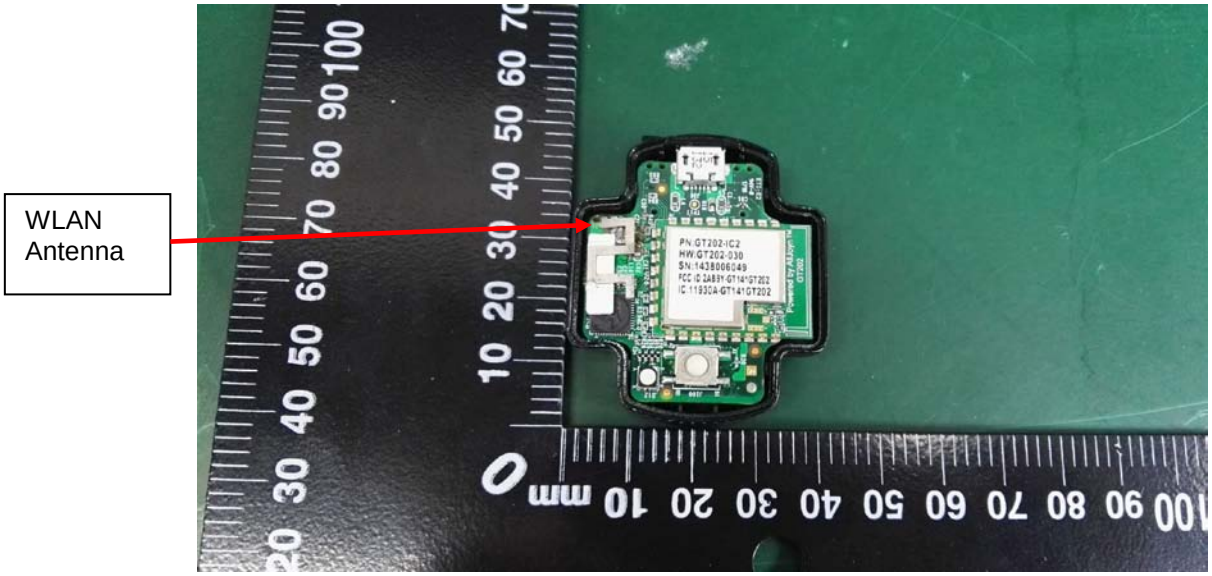


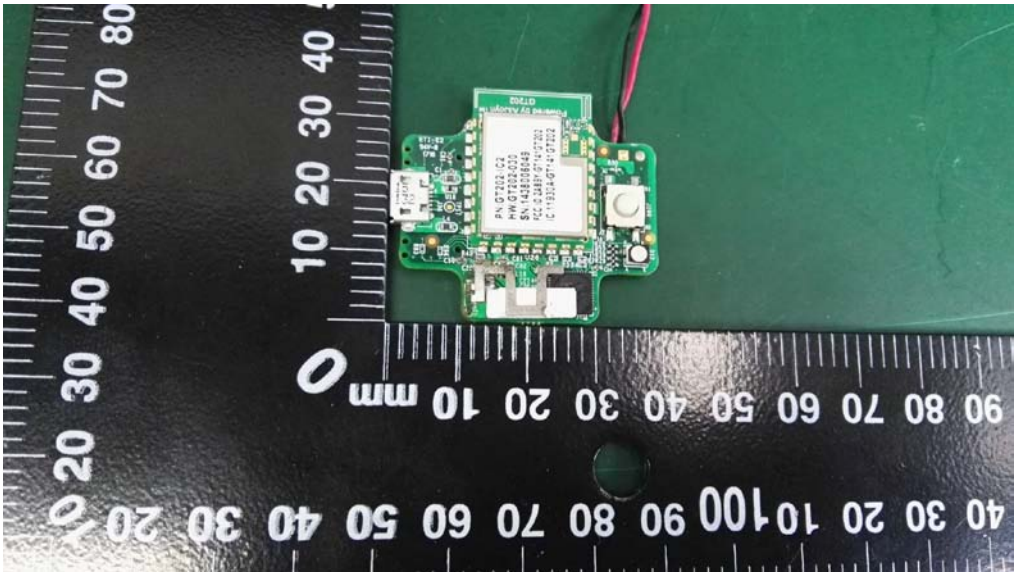


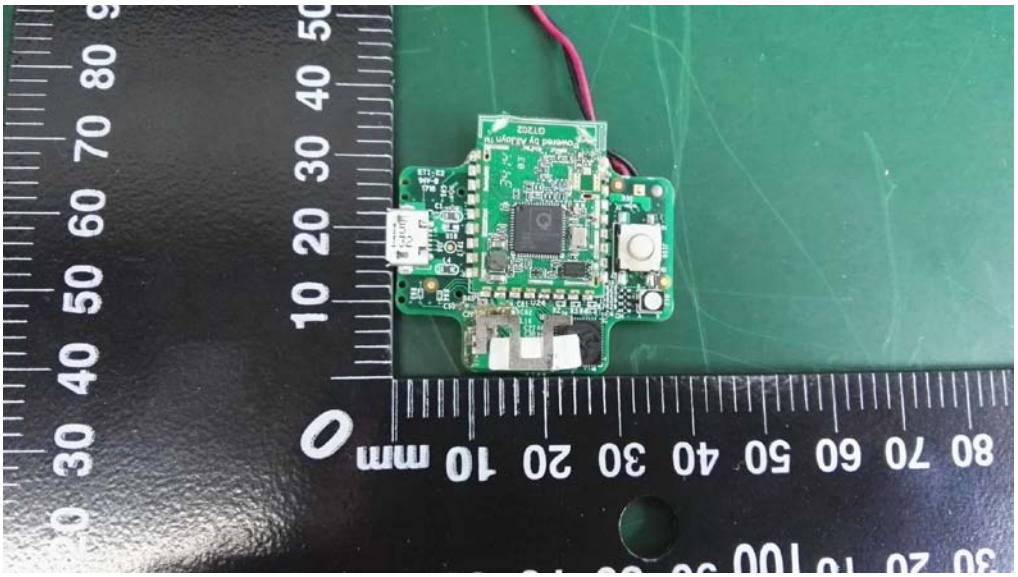
6. External and Internal Photos of the EUT

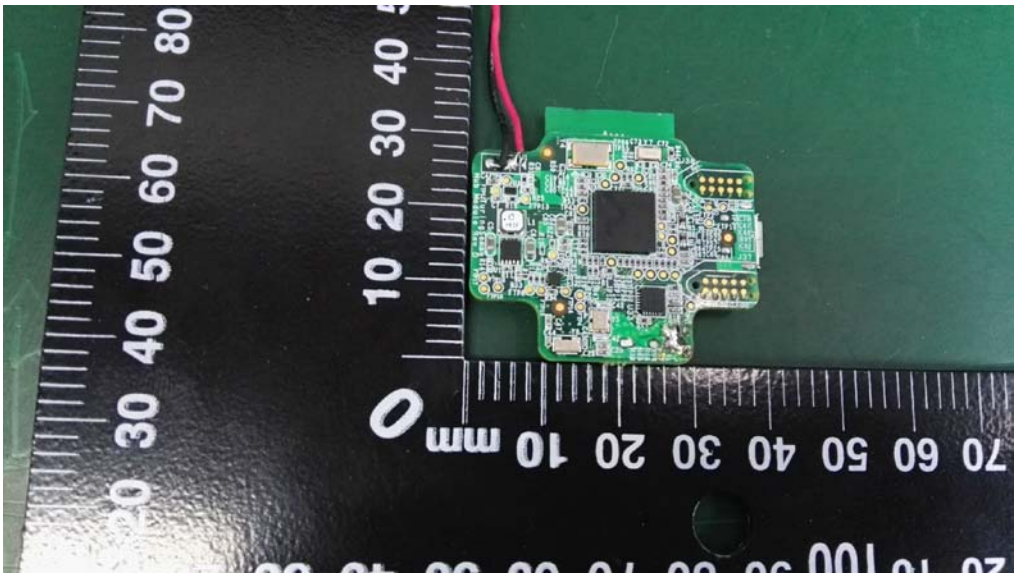
External Photos

Internal Photos









.....End of Report.....