802.11n-HT20: Band Edge, Left Side

802.11n-HT20: Band Edge, Right Side

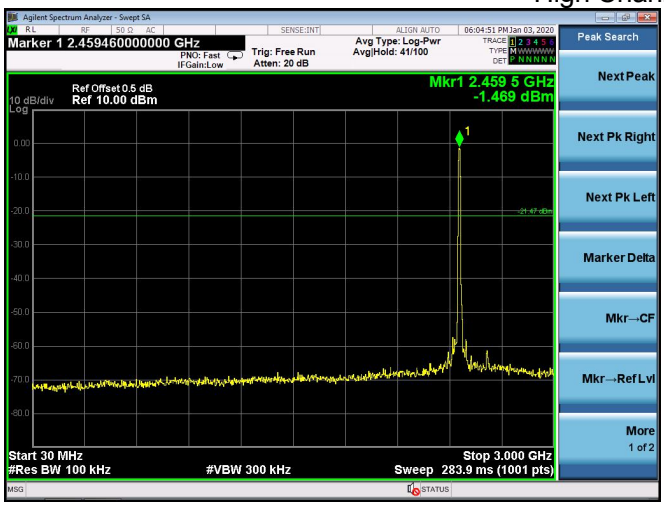
CONDUCTED EMISSION MEASUREMENT

802.11b

Low Channel 2412MHz

Middle Channel 2437MHz

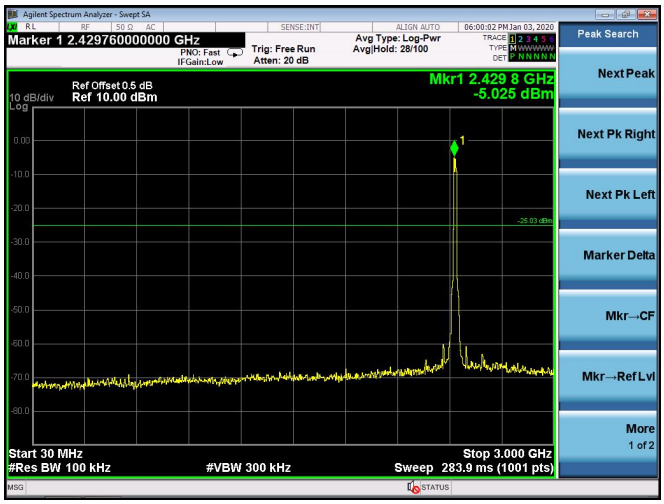
High Channel 2462MHz



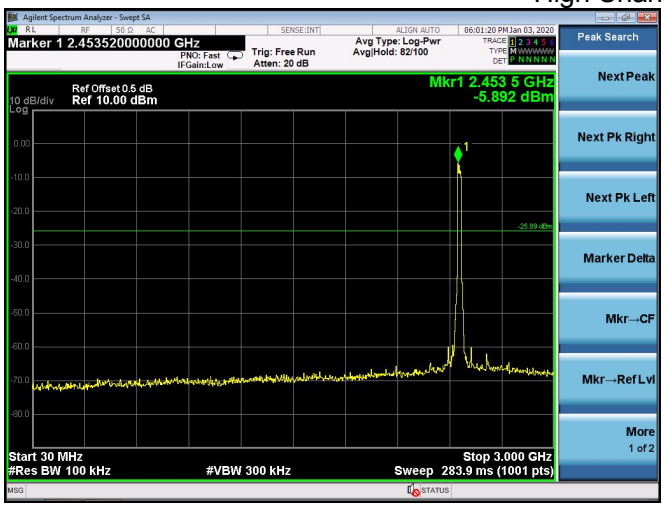
802.11g

Low Channel 2412MHz

Middle Channel 2437MHz

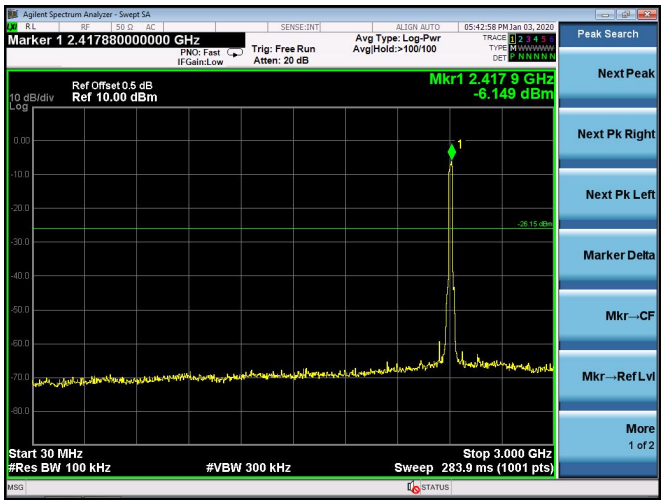


High Channel 2462MHz

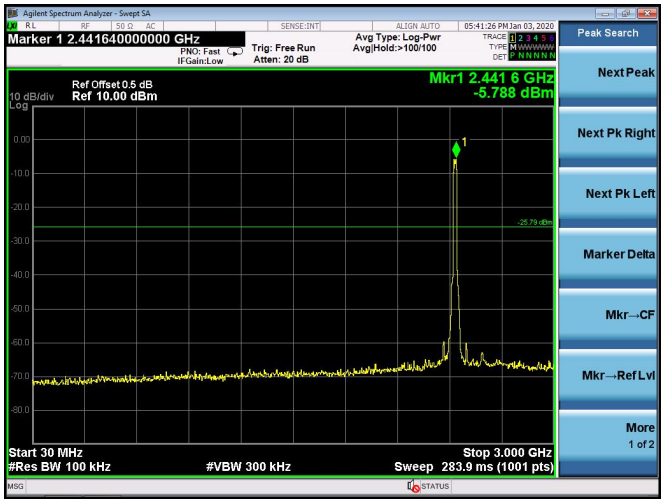


802.11n20

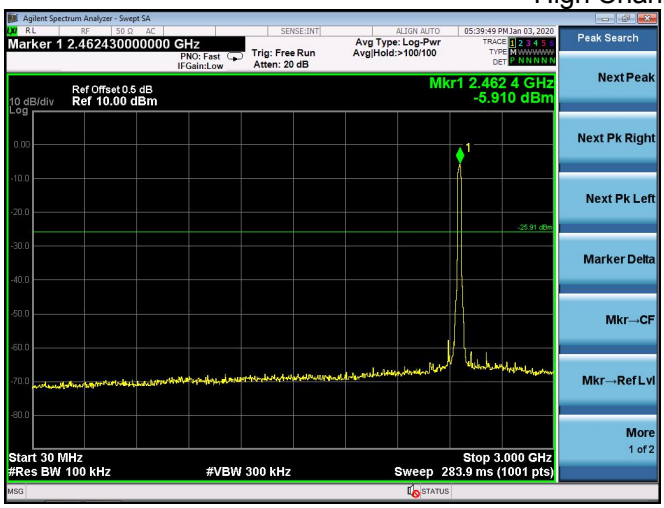
Low Channel 2412MHz



Middle Channel 2437MHz



High Channel 2462MHz



8. DUTY CYCLE OF TEST SIGNAL

8.1 STANDARD REQUIREMENT

Pre-analysis Check: While conducting average power measurement, duty cycle of each mode shall be checked to ensure its duty cycle in order to compensate for the loss due to insufficient ratio of duty cycle.

All duty cycle is pre-scanned, and result as obtained below shows only the most representative ones where duty cycle is conducted as the given transmission with given virtual operation that expresses the percentage.

8.2 FORMULA:

Duty Cycle = Ton / (Ton+Toff)

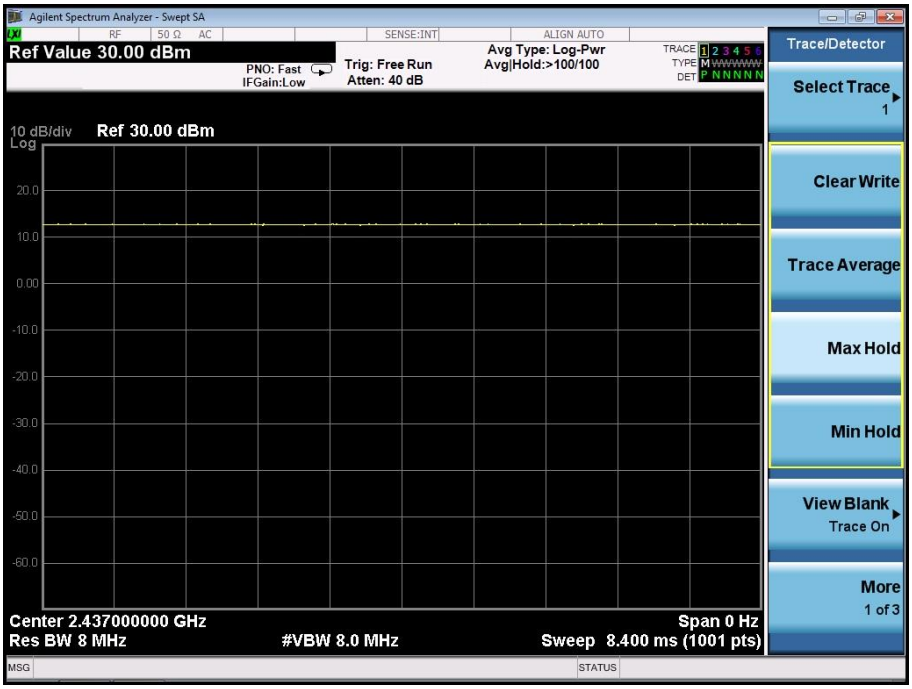
Measurement Procedure:

1. Set span = Zero
2. RBW = 8MHz
3. VBW = 8MHz,
4. Detector = Peak

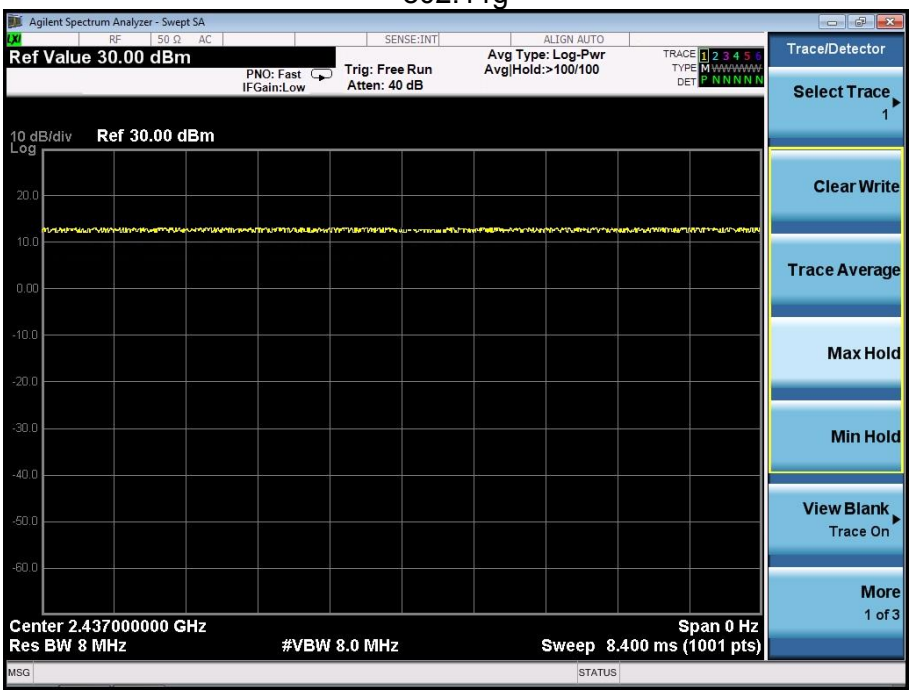
Duty Cycle:

	Duty Cycle	Duty Fator (dB)
802.11b	1	0
802.11g	1	0
802.11n(HT20)	1	0

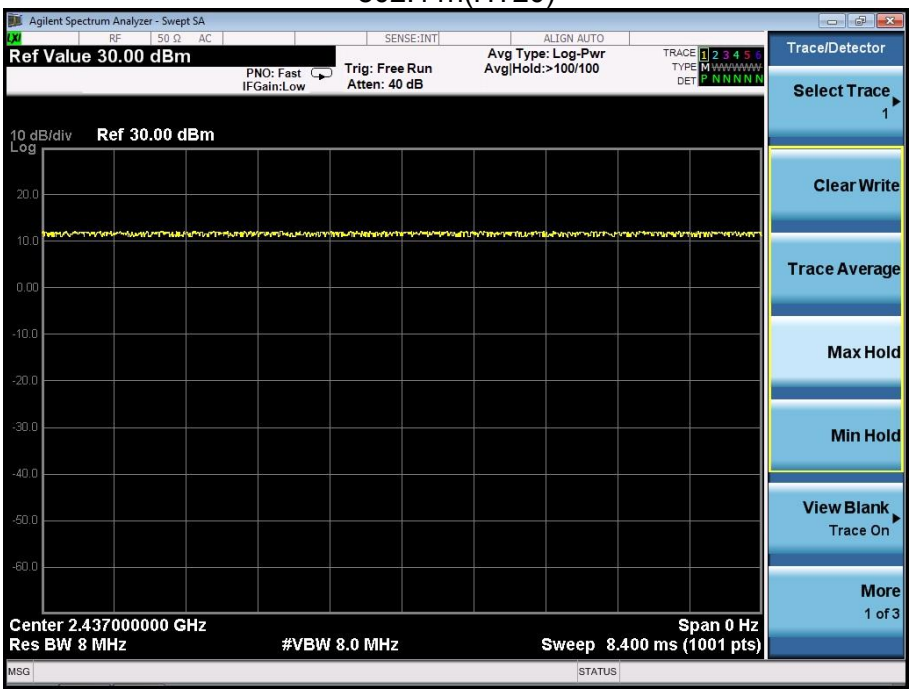
802.11b



802.11g



802.11n(HT20)


Agilent Spectrum Analyzer - Swept SA
Ref Value 30.00 dBm
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Trace/Detector
Select Trace
1
Clear Write
Trace Average
Max Hold
Min Hold
View Blank
Trace On
More
1 of 3
10 dB/div
Log
Ref 30.00 dBm
Center 2.437000000 GHz
Res BW 8 MHz
#VBW 8.0 MHz
Span 0 Hz
Sweep 8.400 ms (1001 pts)

9. ANTENNA REQUIREMENT

9.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 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.

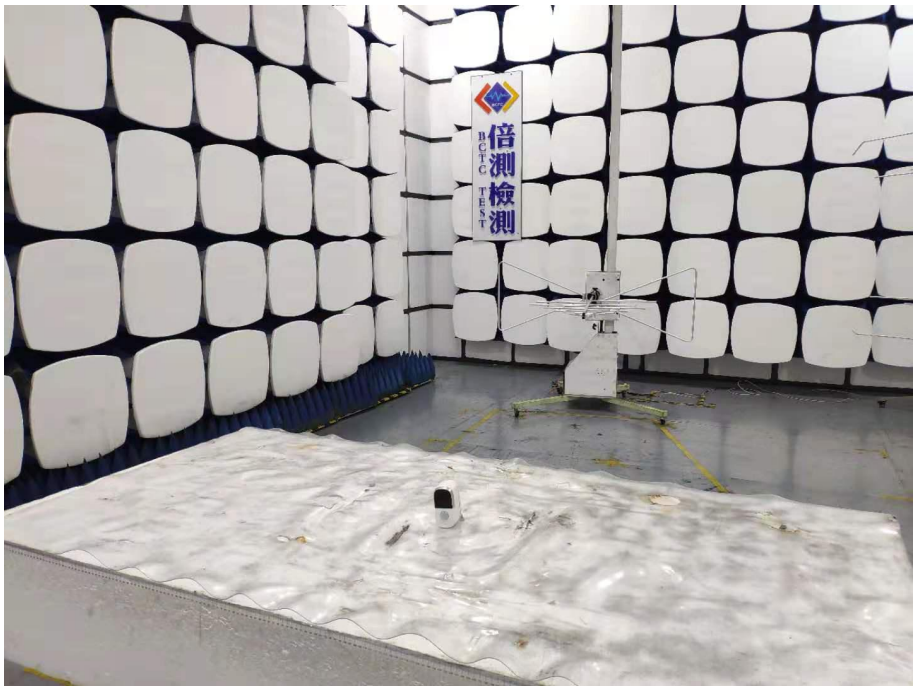
9.2 EUT ANTENNA

The EUT antenna is FPCB antenna, It comply with the standard requirement.

10. EUT TEST PHOTO

Conducted Measurement Photos

Radiated Measurement Photos



11. EUT PHOTO

EUT Photo 1

EUT Photo 2

※※※※※ **END OF REPORT** ※※※※※