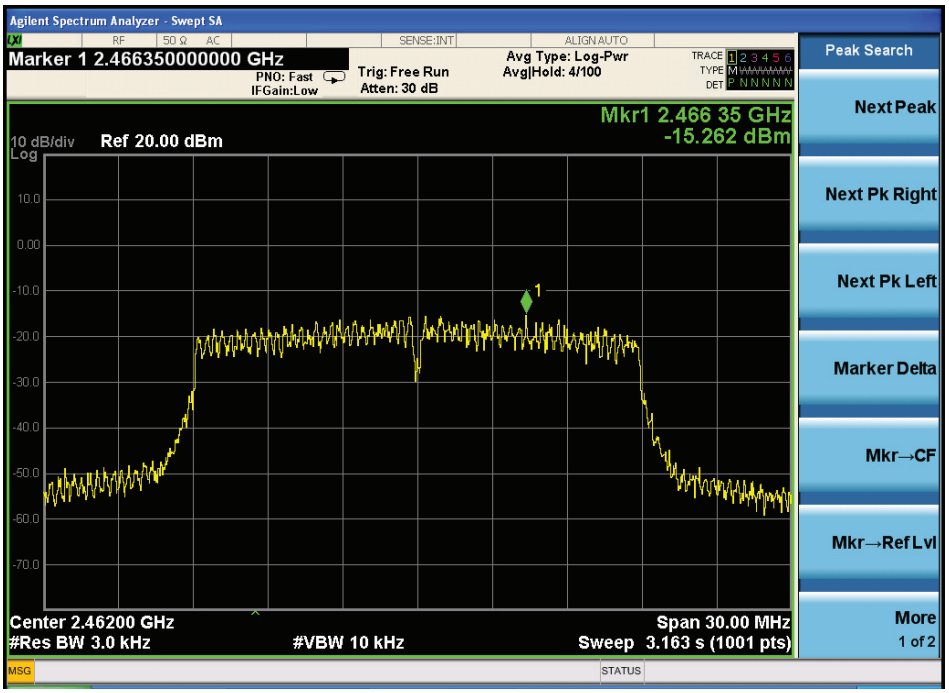
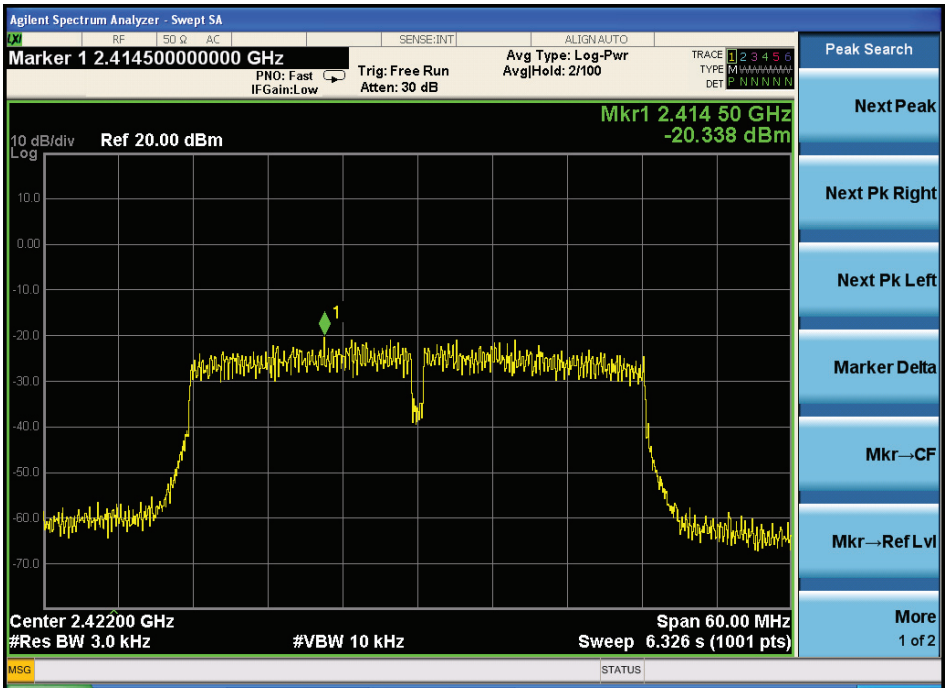
CH Hig:

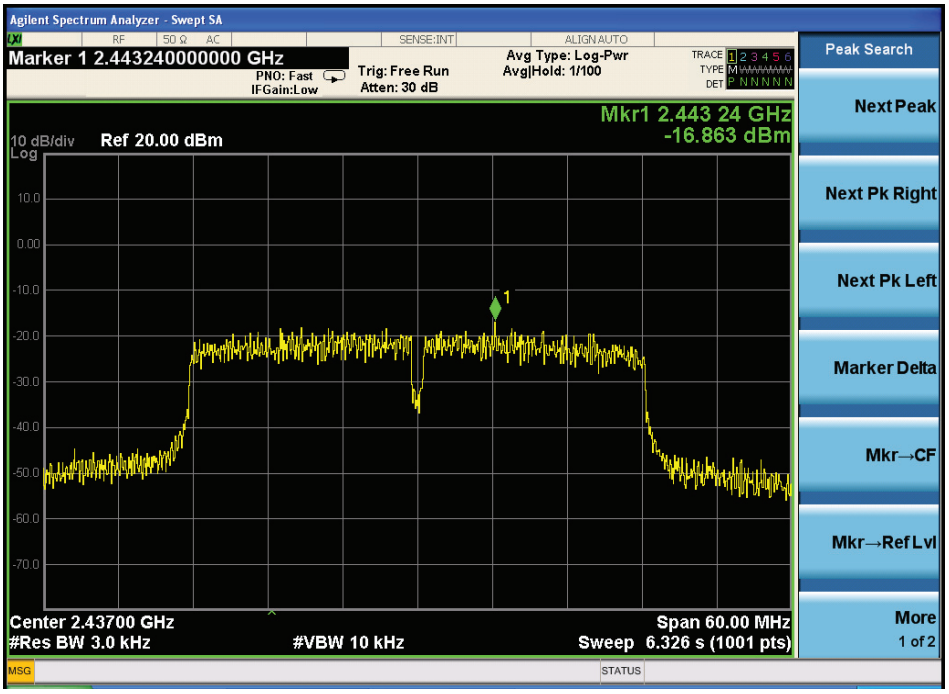


IEEE 802.11n HT40 :

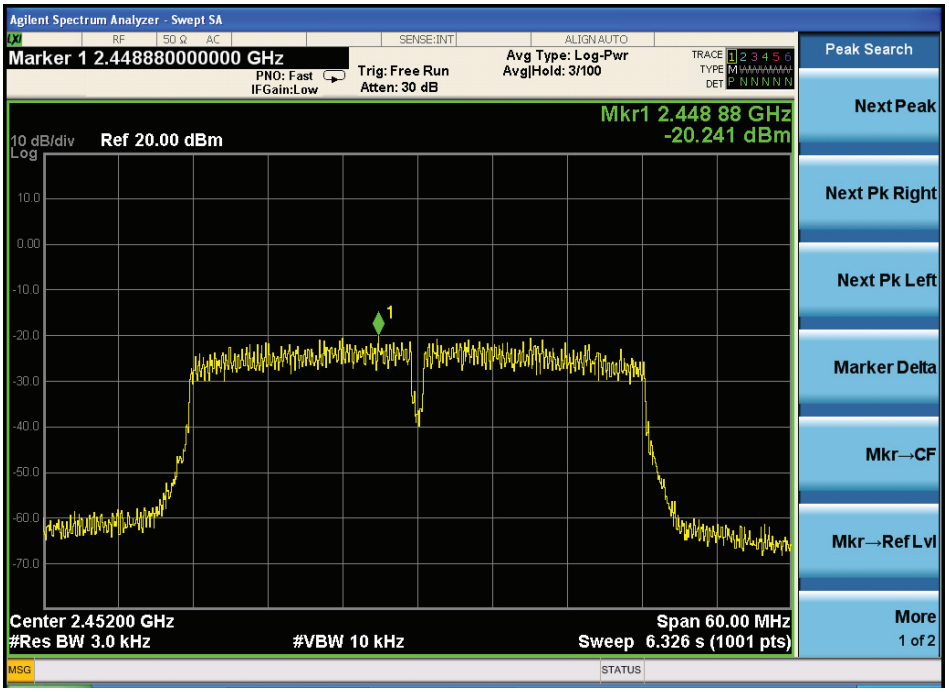
CH Low :



CH Mid:


Agilent Spectrum Analyzer - Swept SA
Marker 1 2.443240000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 1/100
Mkr1 2.443 24 GHz
-16.863 dBm
10 dB/div
Log
Ref 20.00 dBm
Center 2.43700 GHz
#Res BW 3.0 kHz
#VBW 10 kHz
Span 60.00 MHz
Sweep 6.326 s (1001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

CH Hig:


Agilent Spectrum Analyzer - Swept SA
Marker 1 2.448880000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 3/100
Mkr1 2.448 88 GHz
-20.241 dBm
10 dB/div
Log
Ref 20.00 dBm
Center 2.45200 GHz
#Res BW 3.0 kHz
#VBW 10 kHz
Span 60.00 MHz
Sweep 6.326 s (1001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

9 Bandwidth

9.1 Test limit

Please refer sectionRSS-247 & 15.247

For direct sequence systems, the minimum 6dB bandwidth shall be at least 500 kHz.

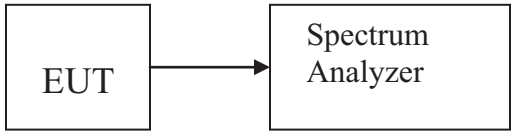
9.2 Method of measurement

Details see the KDB558074 D01 Meas Guidance

a) The bandwidth is measured at an amplitude level reduced 20dB from the reference level. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst-case (i.e. the widest) bandwidth.

b) The test receiver set RBW = 100KHz, VBW≥300KHz, Sweep time set auto, PEAK Detector,detail see the test plot.

9.3 Test Setup



9.4 Test Results

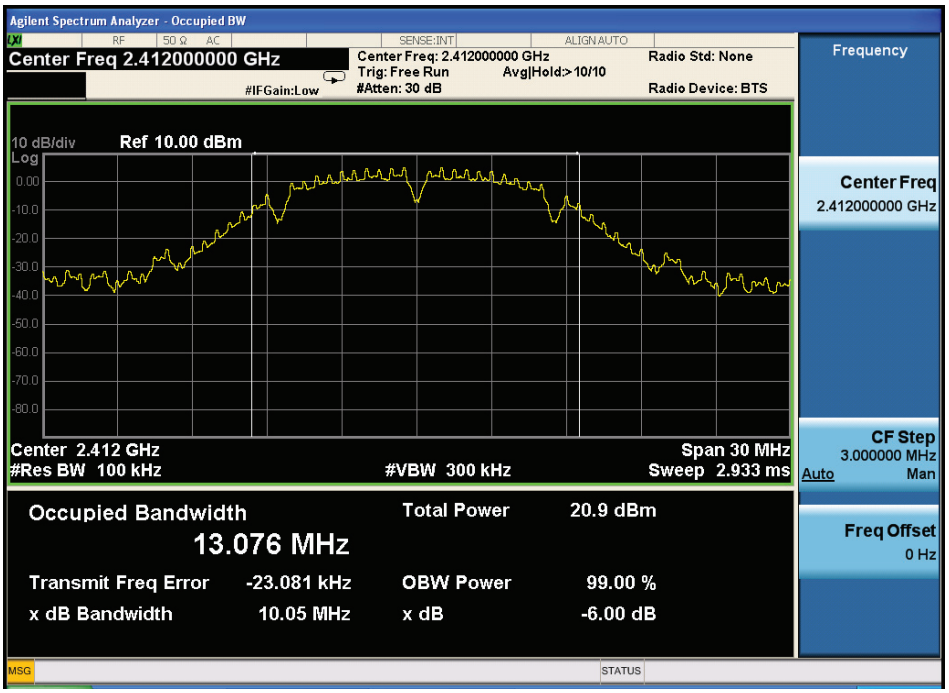
PASS.

Antenna 0 and Antenna 1port all have been tested ,
only worse case is reported

Detailed information please see the following page.

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b:					
Low	2412	10.05	/	0.5	PASS
Mid	2437	9.594	/	0.5	PASS
High	2462	9.597	/	0.5	PASS
IEEE 802.11g					
Low	2412	15.05	/	0.5	PASS
Mid	2437	15.92	/	0.5	PASS
High	2462	15.17	/	0.5	PASS
IEEE 802.11n/HT20:					
Low	2412	15.50	/	0.5	PASS
Mid	2437	14.98	/	0.5	PASS
High	2462	15.16	/	0.5	PASS
IEEE 802.11n/HT40:					
Low	2422	35.24	/	0.5	PASS
Mid	2437	35.24	/	0.5	PASS
High	2452	35.24	/	0.5	PASS

IEEE 802.11b:
CH Low :



CH Mid :