

6.2. Channel Move Time, Channel Closing Time, Non-Occupancy Period Measurement

6.2.1. Limit

Parameter	Value
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
Non-Occupancy Period	30 min

Note 1: The instant that the Channel Move Time and the Channel Closing Transmission Time begins is as follows:

- a. For the Short Pulse Radar Test Signals this instant is the end of the Burst.
- b. For the Frequency Hopping radar Test Signal, this instant is the end of the last radar Burst generated.
- c. For the Long Pulse Radar Test Signal this instant is the end of the 12 second period defining the Radar Waveform.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

6.2.2. Test Procedures

- 6.2.2.1. When a radar Burst with a level equal to the DFS Detection Threshold + 1dB is generated on the operating channel of the U-NII device. A U-NII device operating as a Client Device will associate with the Master of channel. Stream the MPEG test file from the Master Device to the Client Device on the selected channel for entire period of the test. At time to the radar waveform generator sends a Burst of pulses for each of the radar types at Detection Threshold + 1dB.
- 6.2.2.2. Observe the transmissions of the EUT at the end of the radar Burst on the Operating channel. Measure and record the transmissions from the EUT during the observation time [Channel Move Time]. One 10 Second plot be reported for the short Pulse Radar type 1-4 and one for the Long Pulse Radar Type test in a 22 second plot. The plot for the Short Pulse Radar types start at the end of the radar burst. The Channel Move Time will be calculated based on the plot of the short Pulse Radar Type. The Long Pulse Radar Type plot show the device ceased transmissions within the 10 second window after detection has occurred. The plot for the Long Pulse Radar type should start at the beginning of the 12 second waveform.
- 6.2.2.3. Observe the transmissions of the EUT at the end of the radar Burst on the Operating channel. Measure and record the transmissions from the EUT during the observation time [Channel Move Time]. One 10 Second plot be reported for the short Pulse Radar type 1-4 and one for the Long Pulse Radar Type test in a 22 second plot. The plot for the Short Pulse Radar types start at the end of the radar burst. The Channel Move Time will be calculated based on the plot of the short Pulse Radar Type. The Long Pulse Radar Type plot show the device ceased transmissions within the 10 second window after detection has occurred. The plot for the Long Pulse Radar type should start at the beginning of the 12 second waveform.
- 6.2.2.4. Measure the EUT for more than 30 minutes following the channel close/move time to verify that the EUT does not resume only transmissions on this channel.

6.2.3. Test Result

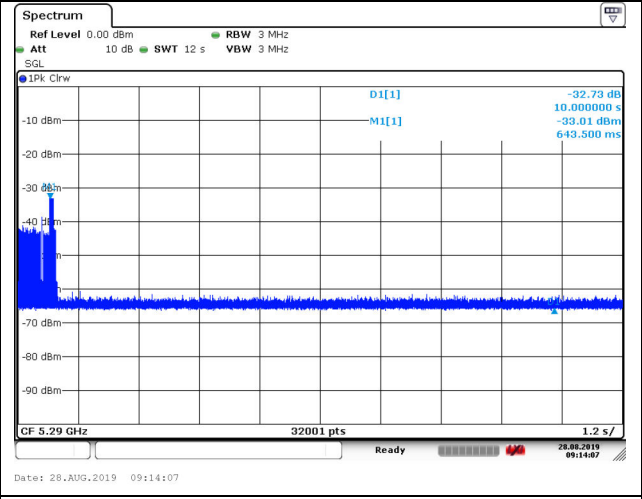
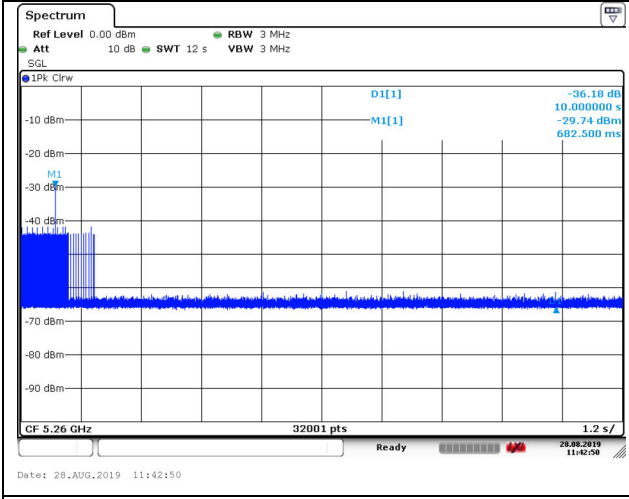
Applicability of DFS Requirement During Normal Operation

6.2.3.1. Channel Closing Transmission Time & Channel Move Time (PASS)

U-NII-2A Band

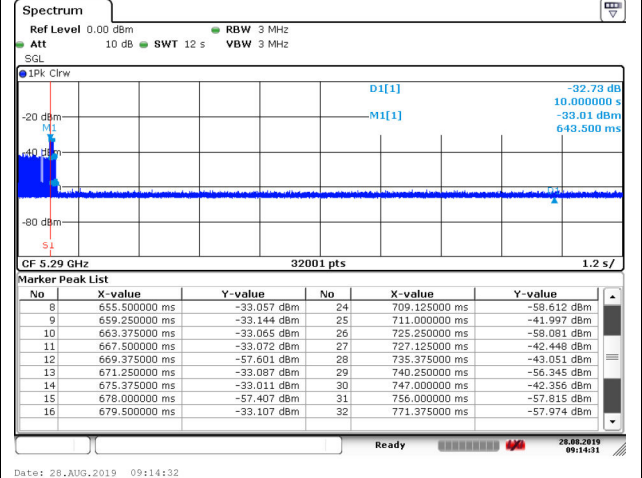
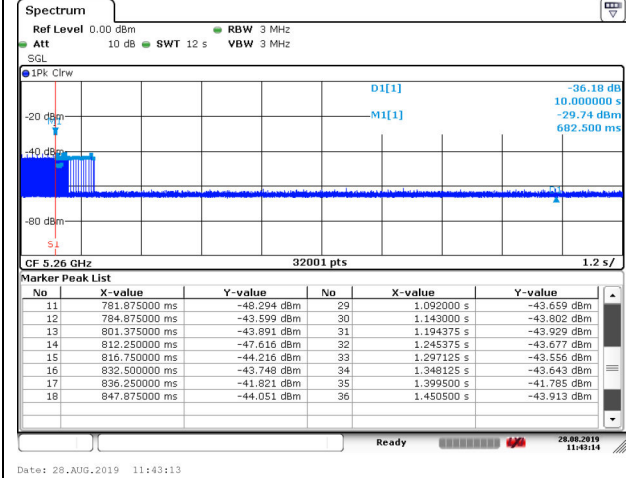
20MHz **80MHz**

Test Date : Aug.28, 2019 Test Date : Aug.28, 2019



Channel move time < 10 S

Channel move time < 10 S



Channel Closing Transmission Time Calculated	
Sweep Time(S) sec	12
Sweep points (P)	32001
Number of Sweep points in 10 sec (N)	36
Channel Closing Time (C)	13.50ms

Channel Closing Transmission Time Calculated	
Sweep Time(S) sec	12
Sweep points (P)	32001
Number of Sweep points in 10 sec (N)	32
Channel Closing Time (C)	12.00ms

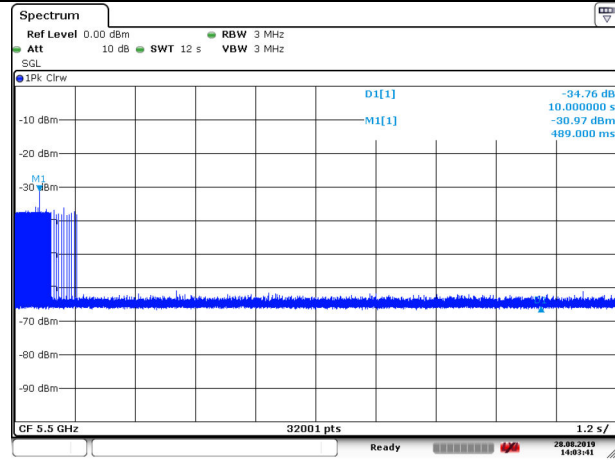
Channel closing time is calculated from $C=N \times \text{dwell}$; where dwell is the occupancy time per sweep point calculated by the formula: $\text{dwell}=S/P$. N is the number of sweep points indicating transmission after S1; where S1 is the radar signal detected.

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U-NII-2C Band

20MHz

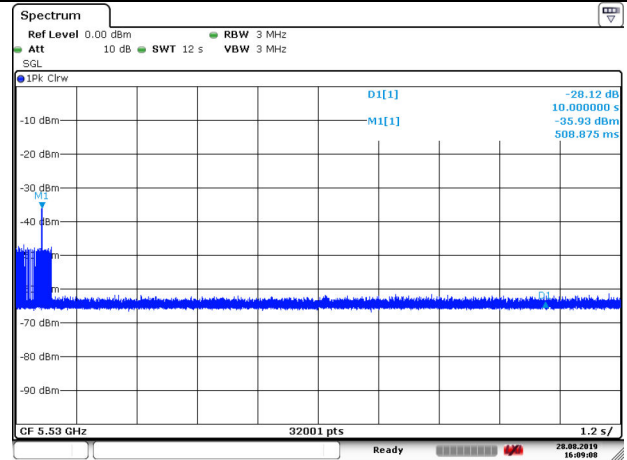
Test Date : Aug.28, 2019



Date: 28.AUG.2019 14:03:41

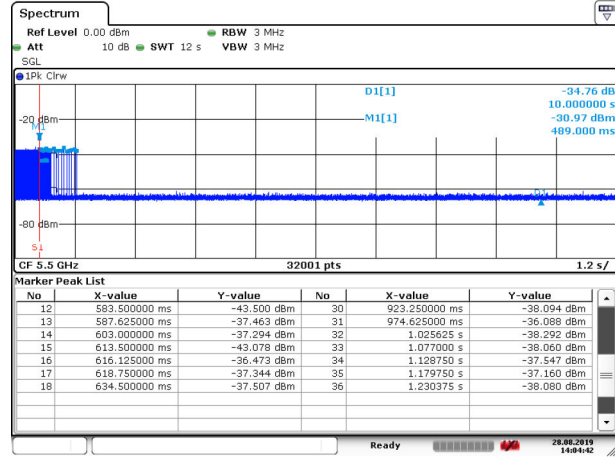
80MHz

Test Date : Aug.28, 2019



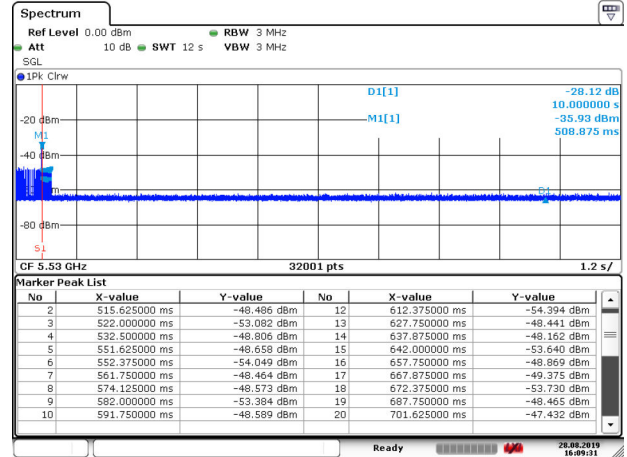
Date: 28.AUG.2019 16:09:07

Channel move time < 10 S



Date: 28.AUG.2019 14:04:42

Channel move time < 10 S



Date: 28.AUG.2019 16:09:30

Channel Closing Transmission Time Calculated

Sweep Time(S) sec	12
Sweep points (P)	32001
Number of Sweep points in 10 sec (N)	36
Channel Closing Time (C)	13.50ms

Channel closing time is calculated from $C=N \cdot \text{dwell}$; where dwell is the occupancy time per sweep point calculated by the formula: $\text{dwell}=S/P$. N is the number of sweep points indicating transmission after S1; where S1 is the radar signal detected.

Channel Closing Transmission Time Calculated

Sweep Time(S) sec	12
Sweep points (P)	32001
Number of Sweep points in 10 sec (N)	20
Channel Closing Time (C)	7.50ms

Channel closing time is calculated from $C=N \cdot \text{dwell}$; where dwell is the occupancy time per sweep point calculated by the formula: $\text{dwell}=S/P$. N is the number of sweep points indicating transmission after S1; where S1 is the radar signal detected.

6.2.3.2. Non-Occupancy period (PASS)

