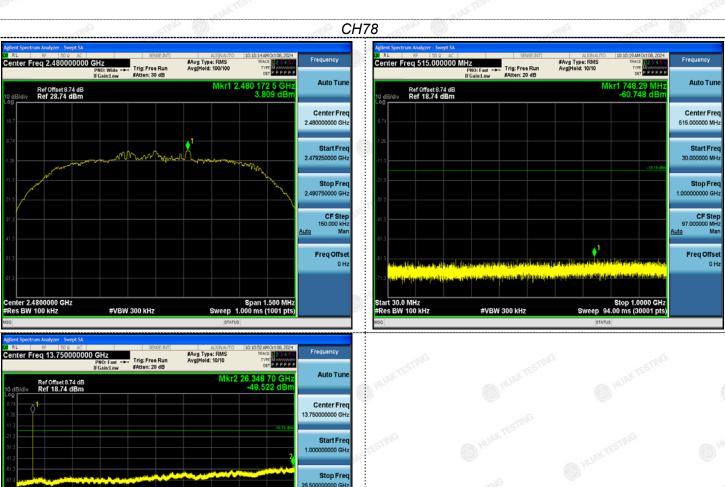
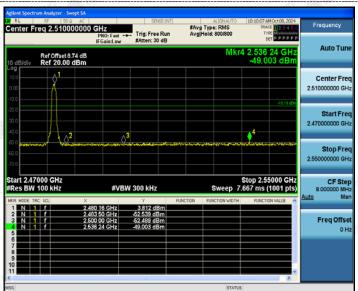


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NG

Right Band edge hoping off

Left Band edge hoping on

Right Band edge hoping on

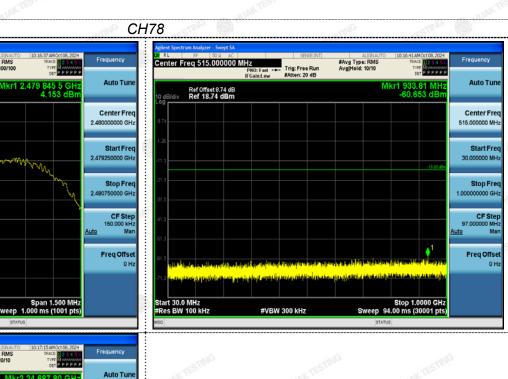
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Report No.: HK2409295723-1E Page 46 of 53 8DPSK CH00 **CH39** enter Freq 2.441000000 GHz #Avg Type: RMS Avg|Hold: 100/10 #Avg Type: RMS Avg|Hold: 100/10 Ref Offset 8.74 dB Ref 28.74 dBm Ref Offset 8.74 dB Ref 28.74 dBm Center Fre 2.441000000 GH Start Freq CF Step 150.000 kg CF Step 150.000 kH Freq Offse Freq Offse #VBW 300 kHz #VBW 300 kHz #Avg Type: RMS Avg|Hold: 10/10 PNO: Fast --- Trig: Free Run PNO: Fast --- Trig: Free Run IFGain:Low #Atten: 20 dB Auto Tun Ref Offset 8.74 dB Ref 18.74 dBm Ref Offset 8.74 dB Ref 18.74 dBm Center Free Center Free Stop Fre CF S 97.000000 I Freq Offse Freq Offse Freg 13.750000000 GHz er Freq 13.750000000 GHz #Avg Type: RMS Avg|Hold: 10/10 #Avg Type: RMS Avg|Hold: 10/10 Auto Tun Auto Tur Ref Offset 8.74 dB Ref 18.74 dBm Ref Offset 8.74 dB Ref 18.74 dBm Center Fre Center Fre Start Fre Start Free Stop Fre CF Step 2.550000000 GH: CF Ste 2.402 50 GHz 25.289 60 GHz 1.462 dB: 2.440 75 GHz 24.631 70 GHz

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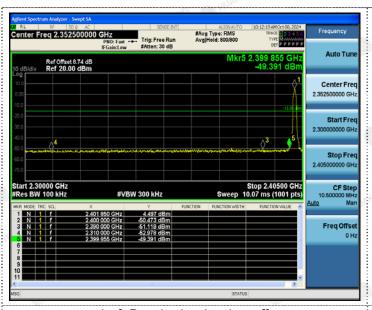
Freq Offse

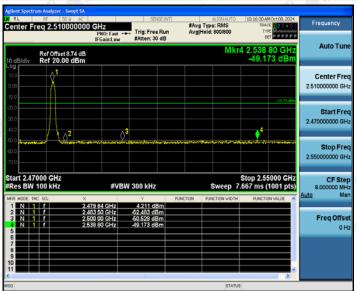
Freq Offse





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Right Band edge hoping off

Application Spectrum Analyzer Swept SA

Will be greated a second of the process of

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3.9. Pseudorandom Frequency Hopping Sequence

TEST APPLICABLE

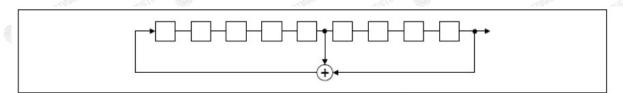
For 47 CFR Part 15C section 15.247 (a) (1):

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hop-ping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400–2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hop-ping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

EUT Pseudorandom Frequency Hopping Sequence Requirement

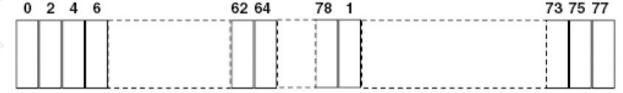
The pseudorandom frequency hopping sequence may be generated in a nice-stage shift register whose 5th and 9th stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first one of 9 consecutive ones, for example: the shift register is initialized with nine ones.

- Number of shift register stages:9
- Length of pseudo-random sequence:29-1=511 bits
- Longest sequence of zeros:8(non-inverted signal)



Linear Feedback Shift Register for Generation of the PRBS sequence

An example of pseudorandom frequency hopping sequence as follows:



Each frequency used equally one the average by each transmitter.

The system receiver have input bandwidths that match the hopping channel bandwidths of their corresponding transmitter and shift frequencies in synchronization with the transmitted signals.

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3.10. 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, 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.

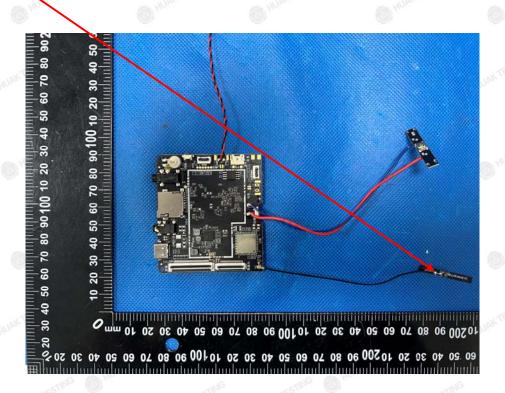
Refer to statement below for compliance.

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.

Antenna Connected Construction

The antenna used in this product is a FPC Antenna, which permanently attached. It conforms to the standard requirements. The directional gains of antenna used for transmitting is 1.73dBi.

Antenna

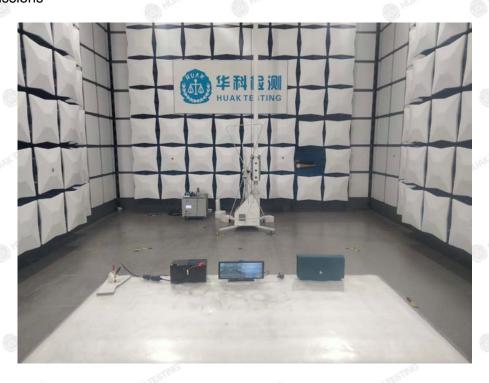


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4. Test Setup Photos of the EUT

Radiated Emissions





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Conducted Emission



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5. Photos of the EUT

Reference to the report: ANNEX A of external photos and ANNEX B of internal photos.

End of test report

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