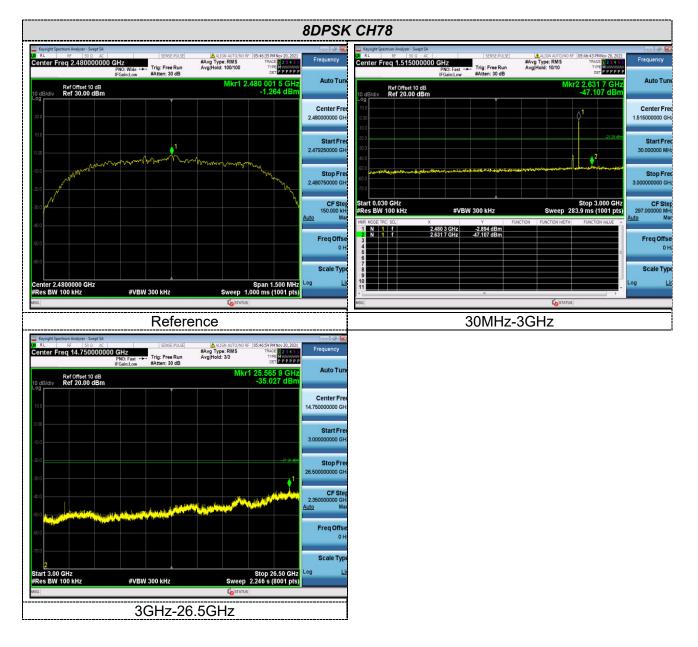


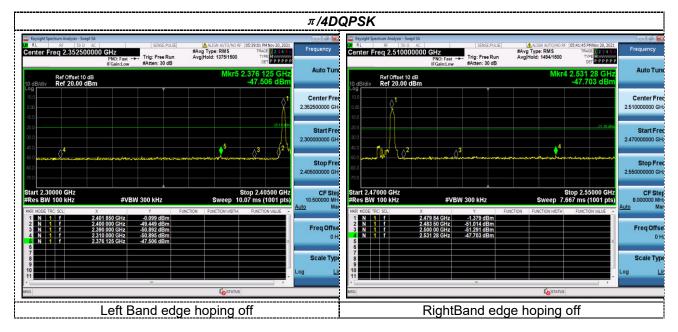
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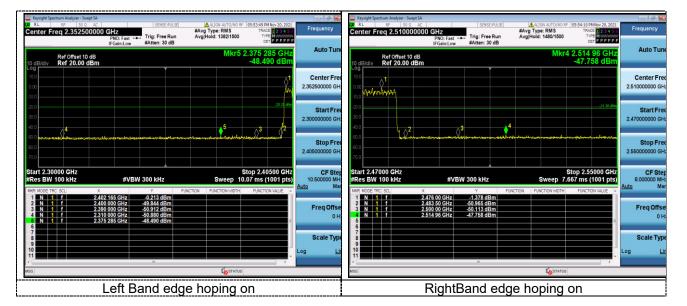
Band-edge Measurements for RF Conducted Emissions:

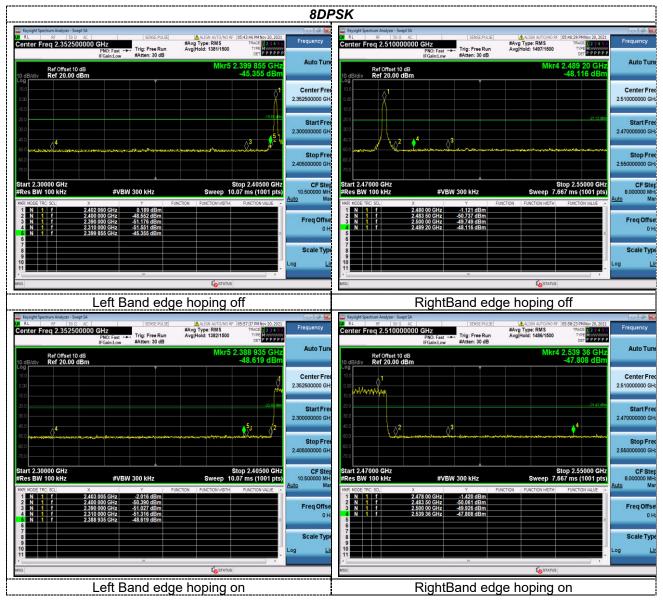
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Koysigk Spectrum Analyzer - Swept SA SENSE PULSE RL RF /50 g AC SENSE PULSE Center Freq 2.352500000 GHz Trig: Free Run IFGaircus 30 dB Trig: Free Run	Auton	Explaint Spectrum Analyzer - Swept SA ISPIGE PLUSE Are Lion Autorno No Fr (05.726 PHNov 20, 2021 Center Freq 2.5100000000 GHz Frequency Avglindid: 1452/1500 Frequency PROIL: Spectrum Frequency Avglindid: 1452/1500 Frequency			
Ref Offset 10 dB 10 dB/div Ref 20.00 dBm	Mkr5 2.376 020 GHz -47.656 dBm	n Reformer to dB Mkr4 2.514 80 GHz to dB/div Ref 20.00 dBm - 47.696 dBm			
0.00	1 Center Fr 2.352500000 G				
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Center Freq 2.352500000 GHz PNC: Fast → IFGain:Low #Atten: 30 dB	ALIGN AUTO/NO RF 05:47:29 PM Nov 20, 2021 #Avg Type: RMS TRACE 1334 F Avg Hold: 1391/1500 TYPE Det PPPPP	D R.L SF SS 0 AC SERVERUSE ALION AUTO/NOP (55/35 PMINe 30, 2021) Frequency Center Freq 2.510000000 CH2 FNor Trop: Free Run IFGail.cow Trig: Free Run Atten: 30 dB Stop Trop: RMS AugHold: 1481/1500 Trop: Frequency			
Ref Offset 10 dB	Mkr5 2.386 835 GHz -46.394 dBm	RefOrmer to dB Mkr4 2.519 20 GHz Auto Tun 10 db/ddv Ref 20.00 dBm -48.392 dBm			
000	Center Fn 2.352500000 G				
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Left Band edge	e hoping on	RightBand edge hoping on			



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4.9 Pseudorandom Frequency Hopping Sequence

TEST APPLICABLE

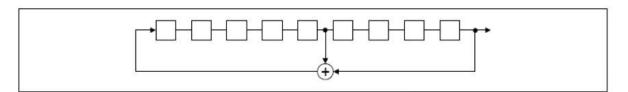
For 47 CFR Part 15C section 15.247 (a) (1) requirement:

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 firststage. The sequence begins with the first one of 9 consecutive ones, forexample: 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:

0	2	4	6	6:	2 64	78	1	73	75 7
				 		1		 T	
1				1					

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.

4.10 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 (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.

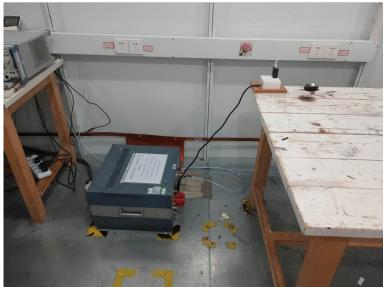
Refer to statement below for compliance

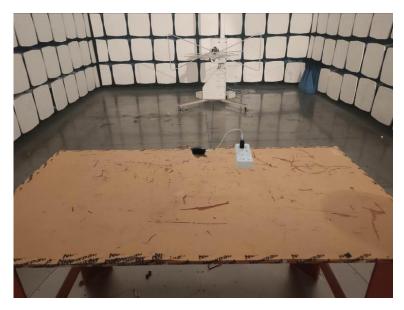
The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

Antenna Connected Construction

The maximum gain of antenna was 1.2dBi.

5 Test Setup Photos of the EUT







6 Photos of the EUT



