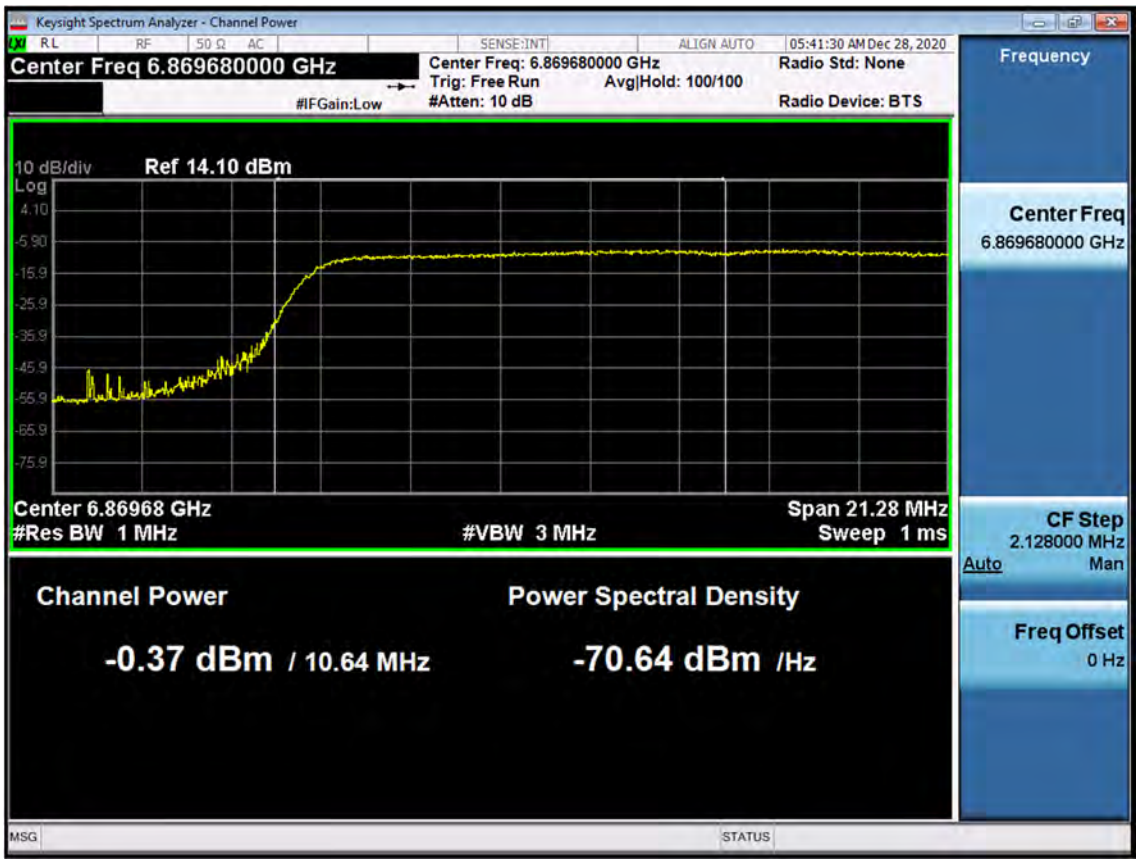
6.2.1 Ant2

(UNII 7) Bandwidth 20M Ch.185(6875 MHz) 242 T (RU 61)



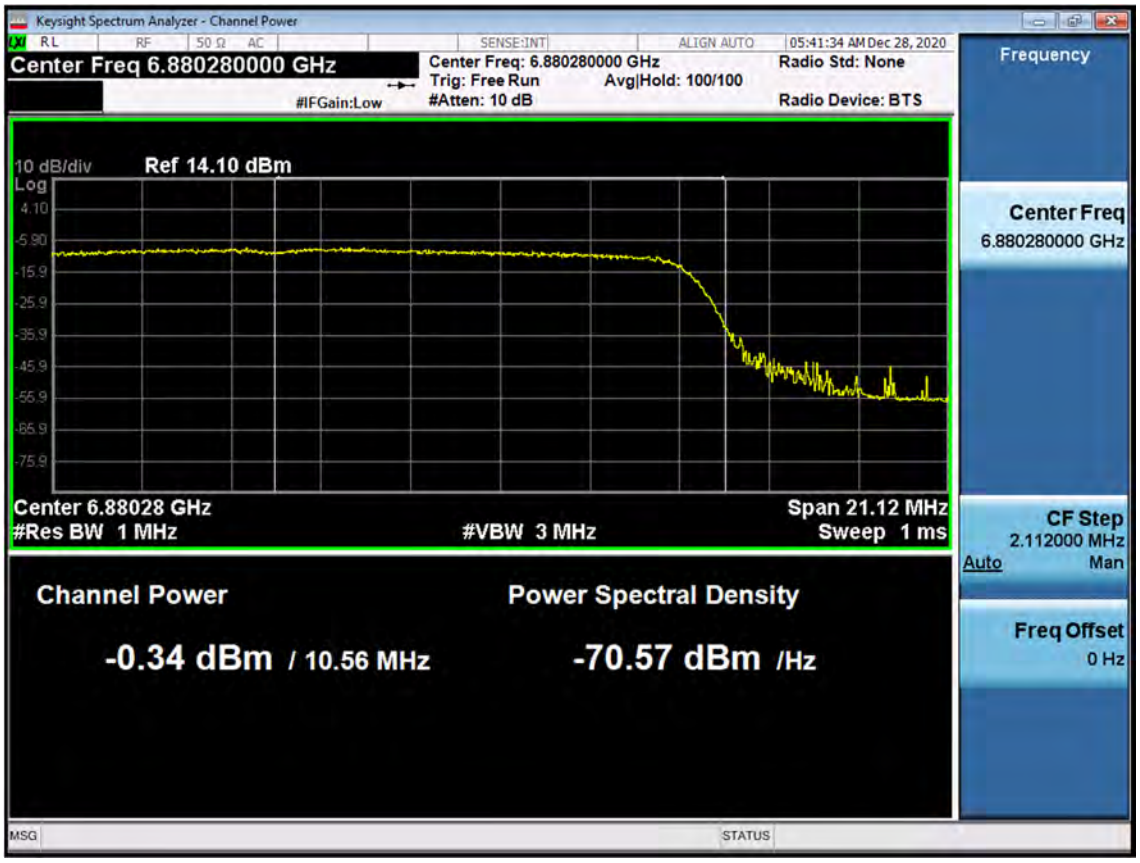
Reading Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	EIRP (dBm)	Limit (dBm)
-0.37	0.158	-0.21	1.22	24

Note:

Total Power(dBm) = Reading Value(dBm) + Duty Cycle Factor(dB)

EIRP Power(dBm) = Duty Factor(dB) + Reading Value (dBm) + Peak Ant. Gain(dBi)

(UNII 8) Bandwidth 20M Ch.185(6875 MHz) 242 T (RU 61)



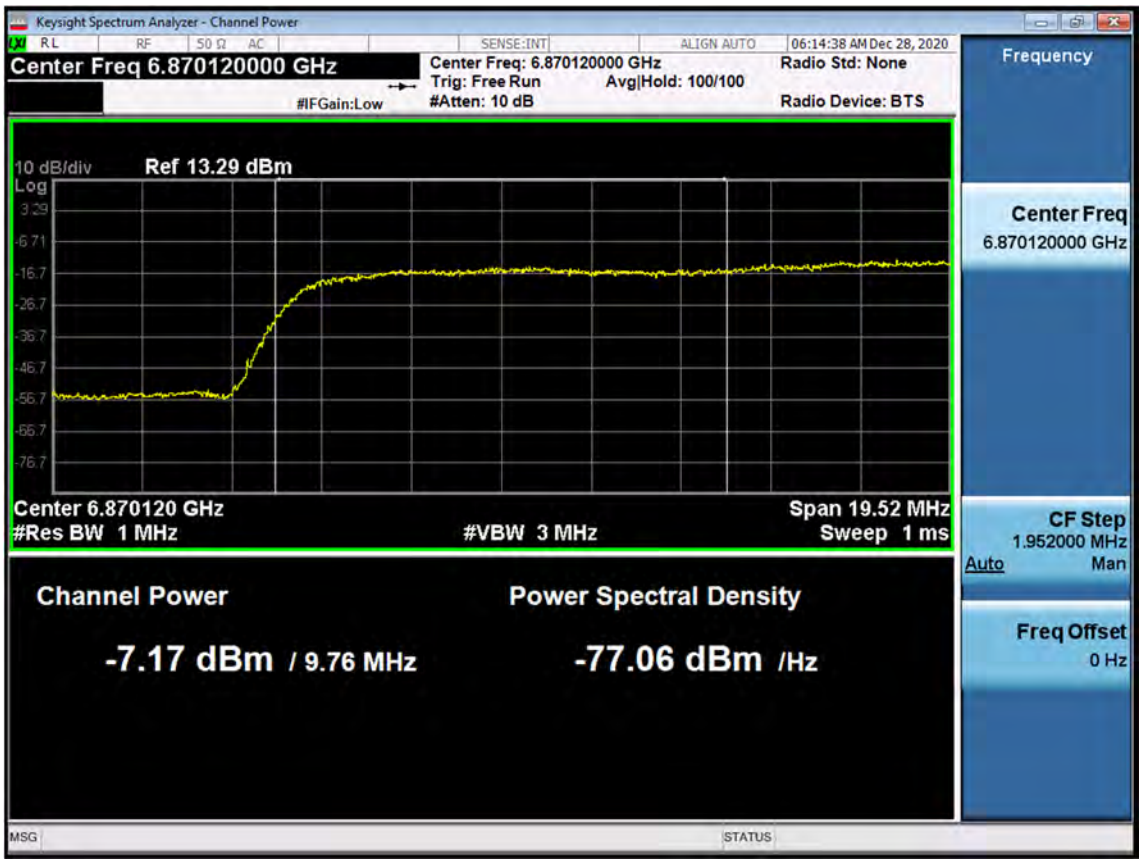
Reading Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	EIRP (dBm)	Limit (dBm)
-0.33	0.158	-0.18	1.25	24

Note:

Total Power(dBm) = Reading Value(dBm) + Duty Cycle Factor(dB)

EIRP Power(dBm) = Duty Factor(dB) + Reading Value (dBm) + Peak Ant. Gain(dBi)

(UNII 7) Bandwidth 40M Ch.187(6885 MHz) SU



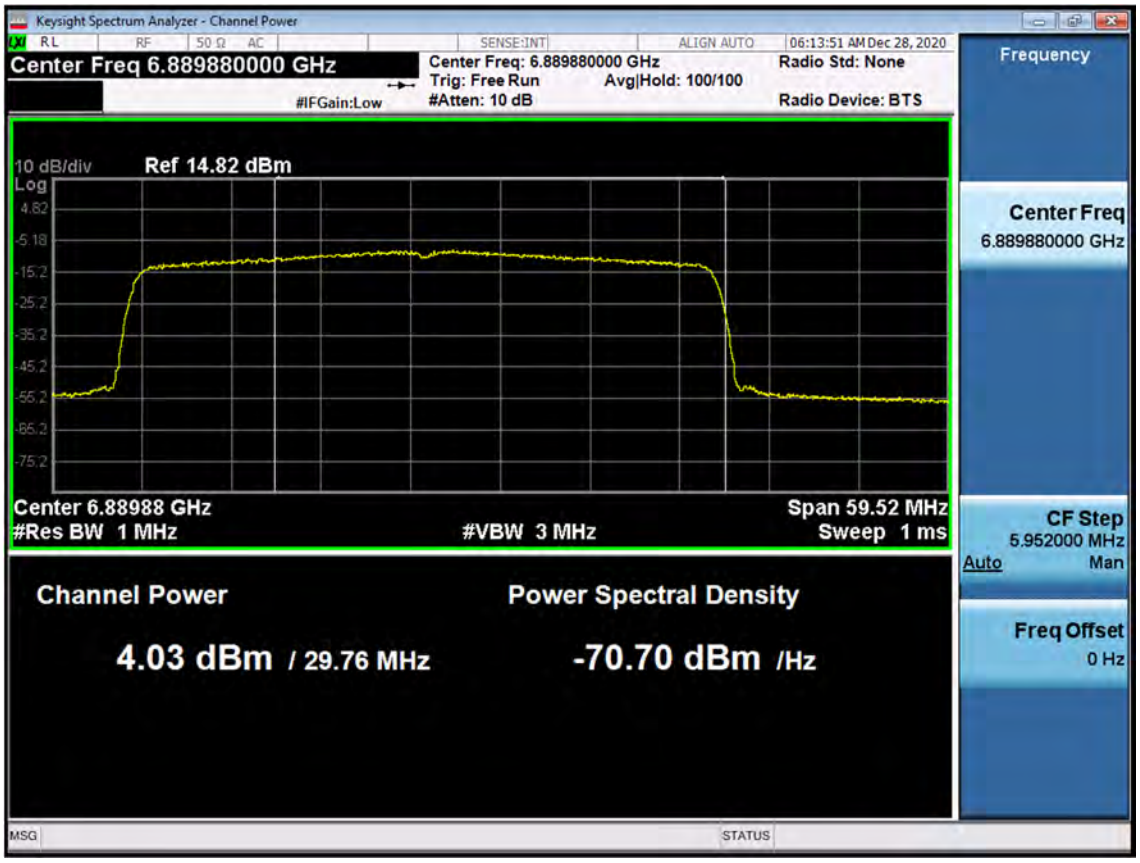
Reading Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	EIRP (dBm)	Limit (dBm)
-7.17	4.214	-2.95	-1.52	24

Note:

Total Power(dBm) = Reading Value(dBm) + Duty Cycle Factor(dB)

EIRP Power(dBm) = Duty Factor(dB) + Reading Value (dBm) + Peak Ant. Gain(dBi)

(UNII 8) Bandwidth 40M Ch.187(6885 MHz) 484 T (RU 65)



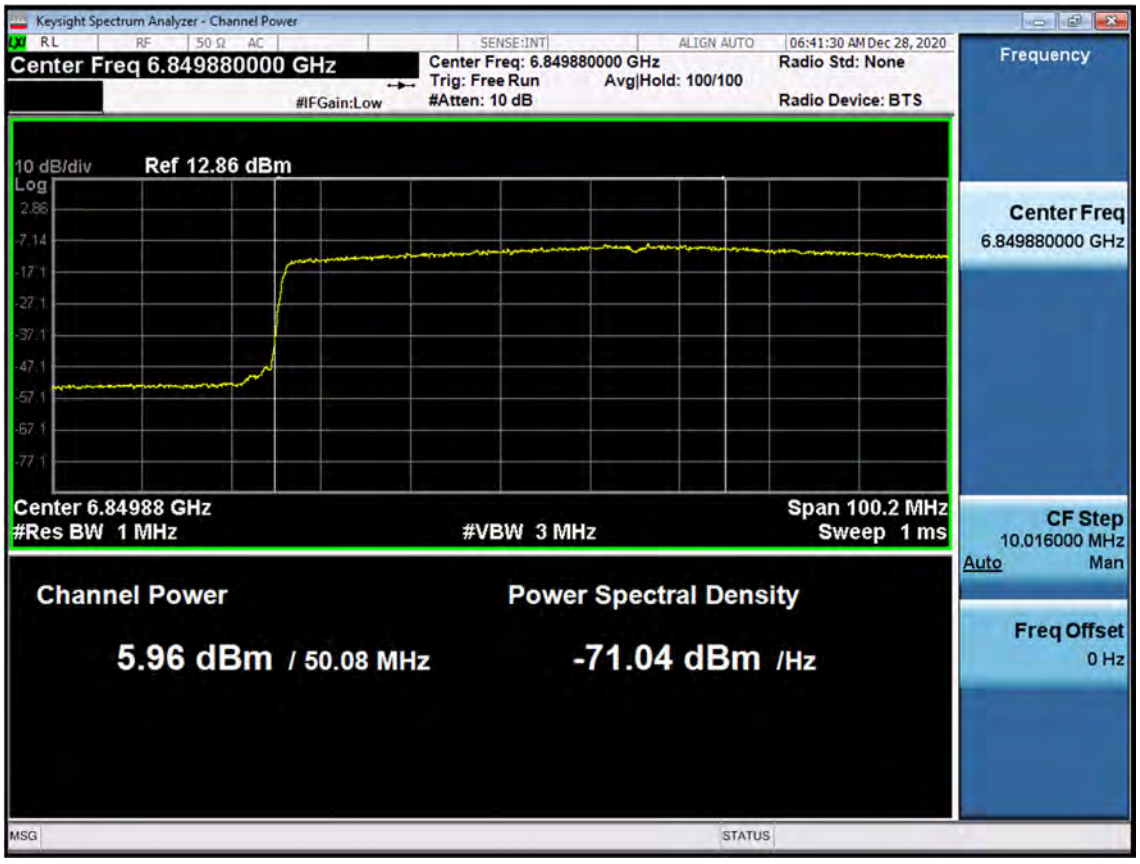
Reading Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	EIRP (dBm)	Limit (dBm)
4.03	0.159	4.19	5.62	24

Note:

Total Power(dBm) = Reading Value(dBm) + Duty Cycle Factor(dB)

EIRP Power(dBm) = Duty Factor(dB) + Reading Value (dBm) + Peak Ant. Gain(dBi)

(UNII 7) Bandwidth 80M Ch.183(6865 MHz) 996 T (RU 67)



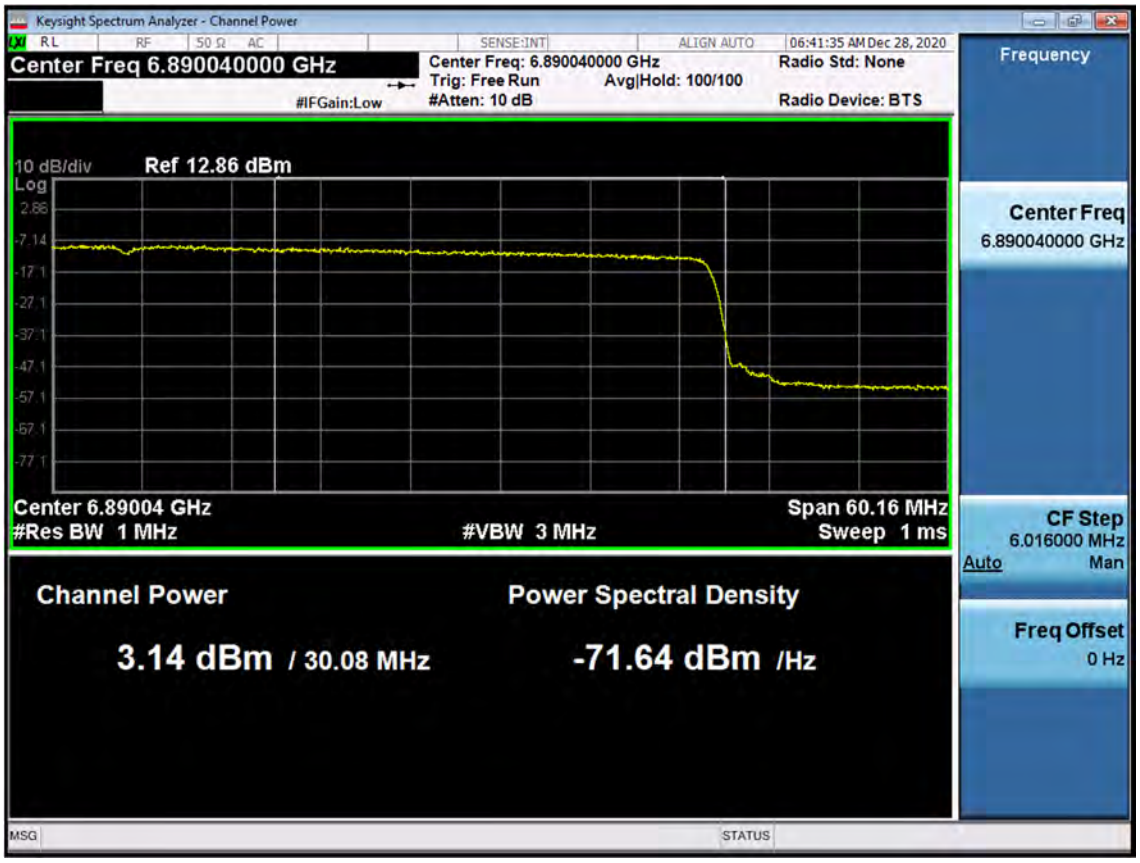
Reading Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	EIRP (dBm)	Limit (dBm)
5.96	0.167	6.13	7.55	24

Note:

Total Power(dBm) = Reading Value(dBm) + Duty Cycle Factor(dB)

EIRP Power(dBm) = Duty Factor(dB) + Reading Value (dBm) + Peak Ant. Gain(dBi)

(UNII 8) Bandwidth 80M Ch.183(6865 MHz) 996 T (RU 67)



Reading Value (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	EIRP (dBm)	Limit (dBm)
3.14	0.167	3.31	4.74	24

Note:

Total Power(dBm) = Reading Value(dBm) + Duty Cycle Factor(dB)

EIRP Power(dBm) = Duty Factor(dB) + Reading Value (dBm) + Peak Ant. Gain(dBi)

6.3 Power Spectral Density

Note:

1. In order to simplify the report, attached plots were only channel of highest PSD.

2. Straddle Channel UNII 7 / 8 Peak Ant Gain

Ant1 = -2.33 dBi

Ant2 = 1.43 dBi

6.3.1 Ant1

(UNII 7) Bandwidth 20M Ch.185(6875 MHz) 242 T (RU 61)

Reading Value (dBm/MHz)	Duty Cycle Factor (dB)	Total PSD (dBm)	EIRP PSD (dBm/MHz)	Limit (dBm/MHz)
-8.45	0.158	-8.29	-10.62	-1

Note:

Total PSD(dBm/MHz) = Reading Value(dBm/MHz) + Duty Cycle Factor(dB)

EIRP PSD(dBm/MHz) = Duty Factor(dB) + Reading Value (dBm/MHz) + Peak Ant. Gain(dBi)

(UNII 8) Bandwidth 20M Ch.185(6875 MHz) SU

Reading Value (dBm/MHz)	Duty Cycle Factor (dB)	Total PSD (dBm)	EIRP PSD (dBm/MHz)	Limit (dBm/MHz)
-10.47	2.312	-8.16	-10.49	-1

Note:

Total PSD(dBm/MHz) = Reading Value(dBm/MHz) + Duty Cycle Factor(dB)

EIRP PSD(dBm/MHz) = Duty Factor(dB) + Reading Value (dBm/MHz) + Peak Ant. Gain(dBi)

(UNII 7) Bandwidth 40M Ch.187(6885 MHz) 26 T (RU 0)

Reading Value (dBm/MHz)	Duty Cycle Factor (dB)	Total PSD (dBm)	EIRP PSD (dBm/MHz)	Limit (dBm/MHz)
-9.11	0.186	-8.92	-11.25	-1

Note:

Total PSD(dBm/MHz) = Reading Value(dBm/MHz) + Duty Cycle Factor(dB)

EIRP PSD(dBm/MHz) = Duty Factor(dB) + Reading Value (dBm/MHz) + Peak Ant. Gain(dBi)

(UNII 8) Bandwidth 40M Ch.187(6885 MHz) SU

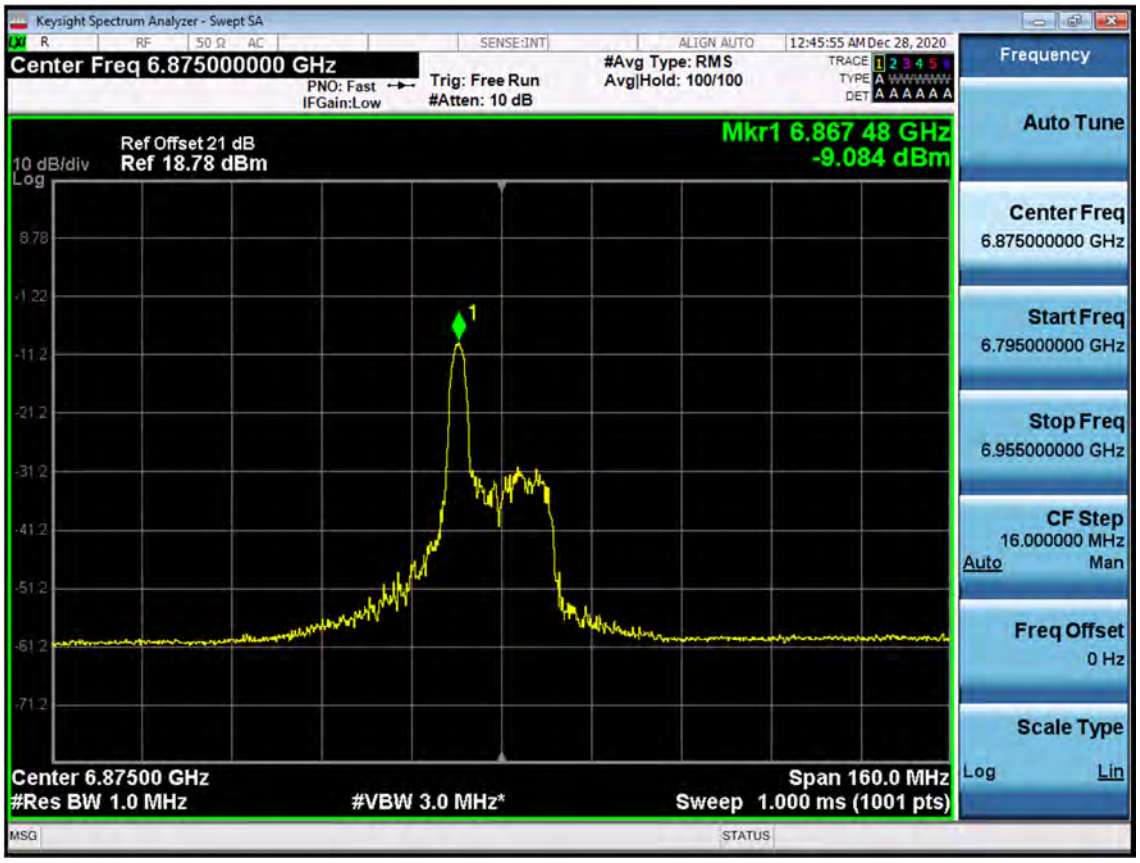
Reading Value (dBm/MHz)	Duty Cycle Factor (dB)	Total PSD (dBm)	EIRP PSD (dBm/MHz)	Limit (dBm/MHz)
-12.15	4.214	-7.94	-10.27	-1

Note:

Total PSD(dBm/MHz) = Reading Value(dBm/MHz) + Duty Cycle Factor(dB)

EIRP PSD(dBm/MHz) = Duty Factor(dB) + Reading Value (dBm/MHz) + Peak Ant. Gain(dBi)

(UNII 7) Bandwidth 80M Ch.183(6865 MHz) 26 T (RU 19)



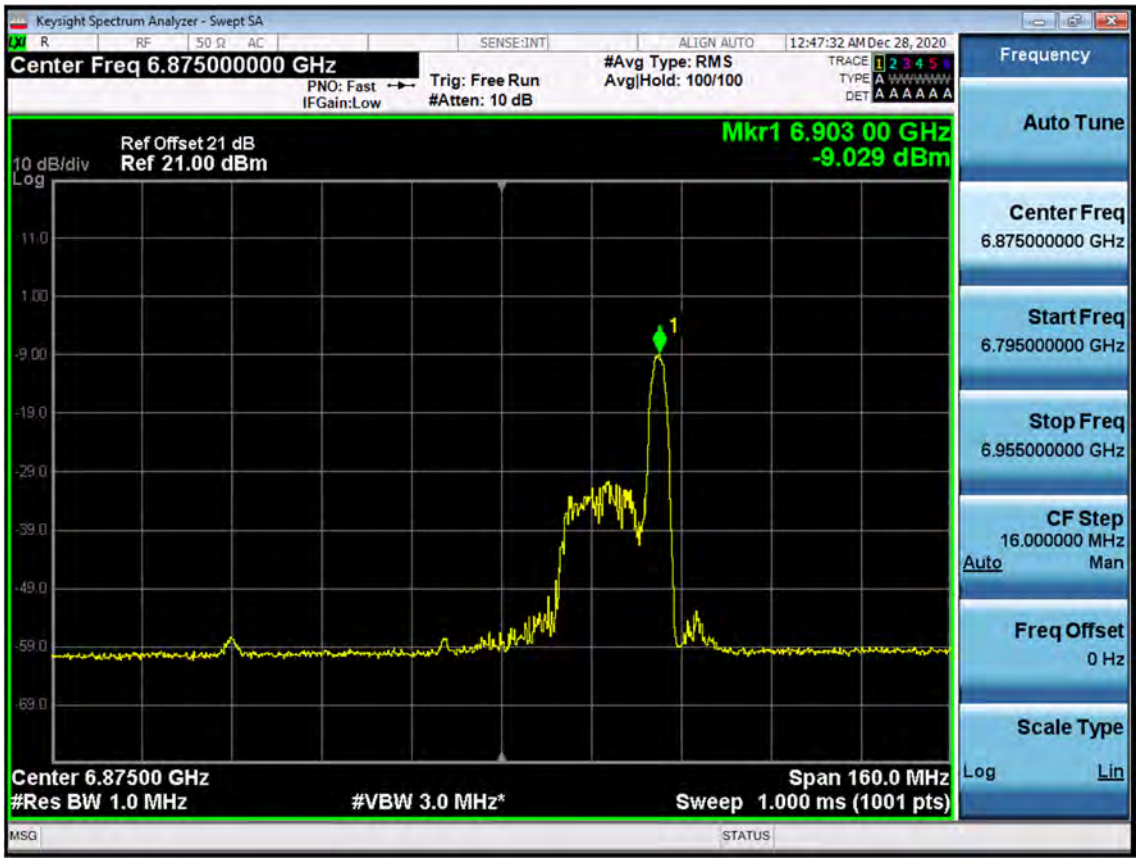
Reading Value (dBm/MHz)	Duty Cycle Factor (dB)	Total PSD (dBm)	EIRP PSD (dBm/MHz)	Limit (dBm/MHz)
-9.08	0.186	-8.90	-11.23	-1

Note:

Total PSD(dBm/MHz) = Reading Value(dBm/MHz) + Duty Cycle Factor(dB)

EIRP PSD(dBm/MHz) = Duty Factor(dB) + Reading Value (dBm/MHz) + Peak Ant. Gain(dBi)

(UNII 8) Bandwidth 80M Ch.183(6865 MHz) 26 T (RU 36)



Reading Value (dBm/MHz)	Duty Cycle Factor (dB)	Total PSD (dBm)	EIRP PSD (dBm/MHz)	Limit (dBm/MHz)
-9.03	0.186	-8.84	-11.17	-1

Note:

Total PSD(dBm/MHz) = Reading Value(dBm/MHz) + Duty Cycle Factor(dB)

EIRP PSD(dBm/MHz) = Duty Factor(dB) + Reading Value (dBm/MHz) + Peak Ant. Gain(dBi)

6.3.2 Ant2

(UNII 7) Bandwidth 20M Ch.185(6875 MHz) 242 T (RU 61)

Reading Value (dBm/MHz)	Duty Cycle Factor (dB)	Total PSD (dBm)	EIRP PSD (dBm/MHz)	Limit (dBm/MHz)
-8.42	0.158	-8.27	-6.83	-1

Note:

Total PSD(dBm/MHz) = Reading Value(dBm/MHz) + Duty Cycle Factor(dB)

EIRP PSD(dBm/MHz) = Duty Factor(dB) + Reading Value (dBm/MHz) + Peak Ant. Gain(dBi)

(UNII 8) Bandwidth 20M Ch.185(6875 MHz) SU

Reading Value (dBm/MHz)	Duty Cycle Factor (dB)	Total PSD (dBm)	EIRP PSD (dBm/MHz)	Limit (dBm/MHz)
-10.53	2.312	-8.22	-6.79	-1

Note:

Total PSD(dBm/MHz) = Reading Value(dBm/MHz) + Duty Cycle Factor(dB)

EIRP PSD(dBm/MHz) = Duty Factor(dB) + Reading Value (dBm/MHz) + Peak Ant. Gain(dBi)

(UNII 7) Bandwidth 40M Ch.187(6885 MHz) 26 T (RU 0)

Reading Value (dBm/MHz)	Duty Cycle Factor (dB)	Total PSD (dBm)	EIRP PSD (dBm/MHz)	Limit (dBm/MHz)
-9.01	0.186	-8.83	-7.40	-1

Note:

Total PSD(dBm/MHz) = Reading Value(dBm/MHz) + Duty Cycle Factor(dB)

EIRP PSD(dBm/MHz) = Duty Factor(dB) + Reading Value (dBm/MHz) + Peak Ant. Gain(dBi)

(UNII 8) Bandwidth 40M Ch.187(6885 MHz) 484 T (RU 65)

Reading Value (dBm/MHz)	Duty Cycle Factor (dB)	Total PSD (dBm)	EIRP PSD (dBm/MHz)	Limit (dBm/MHz)
-8.49	0.159	-8.33	-6.90	-1

Note:

Total PSD(dBm/MHz) = Reading Value(dBm/MHz) + Duty Cycle Factor(dB)

EIRP PSD(dBm/MHz) = Duty Factor(dB) + Reading Value (dBm/MHz) + Peak Ant. Gain(dBi)

(UNII 7) Bandwidth 80M Ch.183(6865 MHz) SU

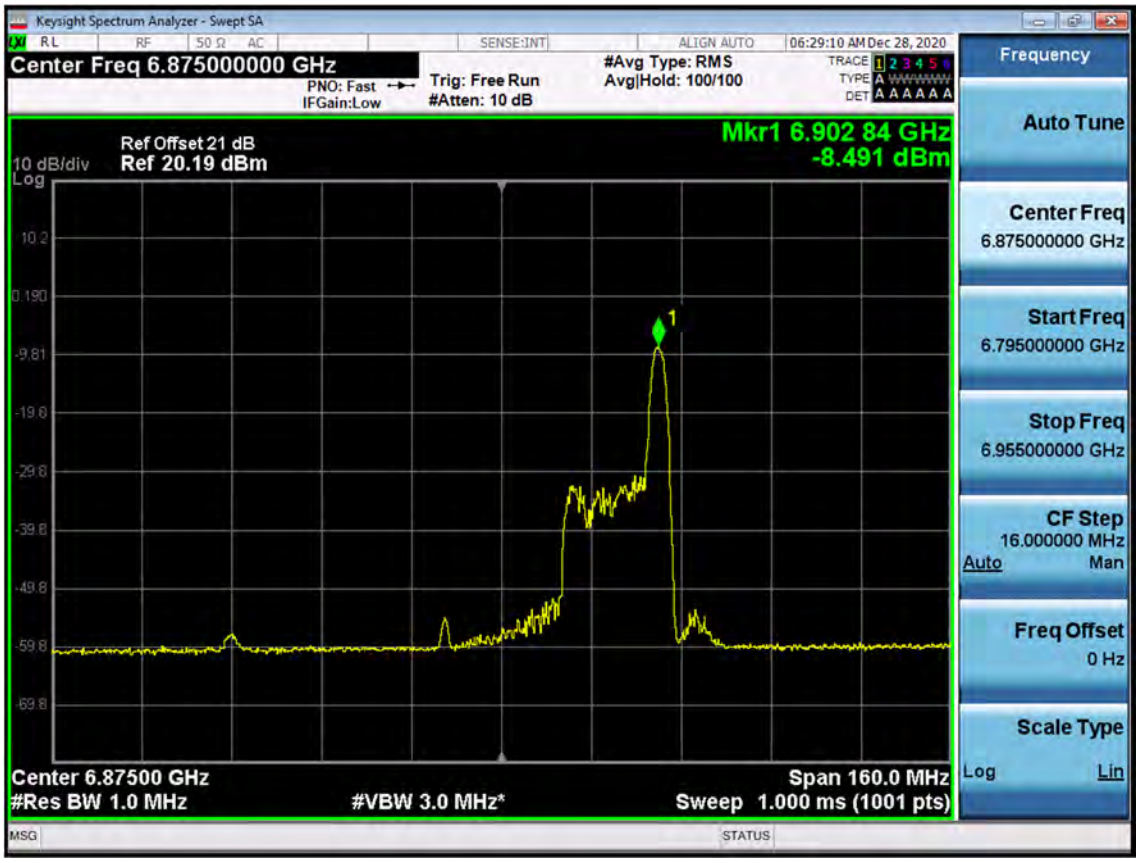
Reading Value (dBm/MHz)	Duty Cycle Factor (dB)	Total PSD (dBm)	EIRP PSD (dBm/MHz)	Limit (dBm/MHz)
-11.07	2.808	-8.26	-6.83	-1

Note:

Total PSD(dBm/MHz) = Reading Value(dBm/MHz) + Duty Cycle Factor(dB)

EIRP PSD(dBm/MHz) = Duty Factor(dB) + Reading Value (dBm/MHz) + Peak Ant. Gain(dBi)

(UNII 8) Bandwidth 80M Ch.183(6865 MHz) 26 T (RU 36)



Reading Value (dBm/MHz)	Duty Cycle Factor (dB)	Total PSD (dBm)	EIRP PSD (dBm/MHz)	Limit (dBm/MHz)
-8.49	0.186	-8.31	-6.88	-1

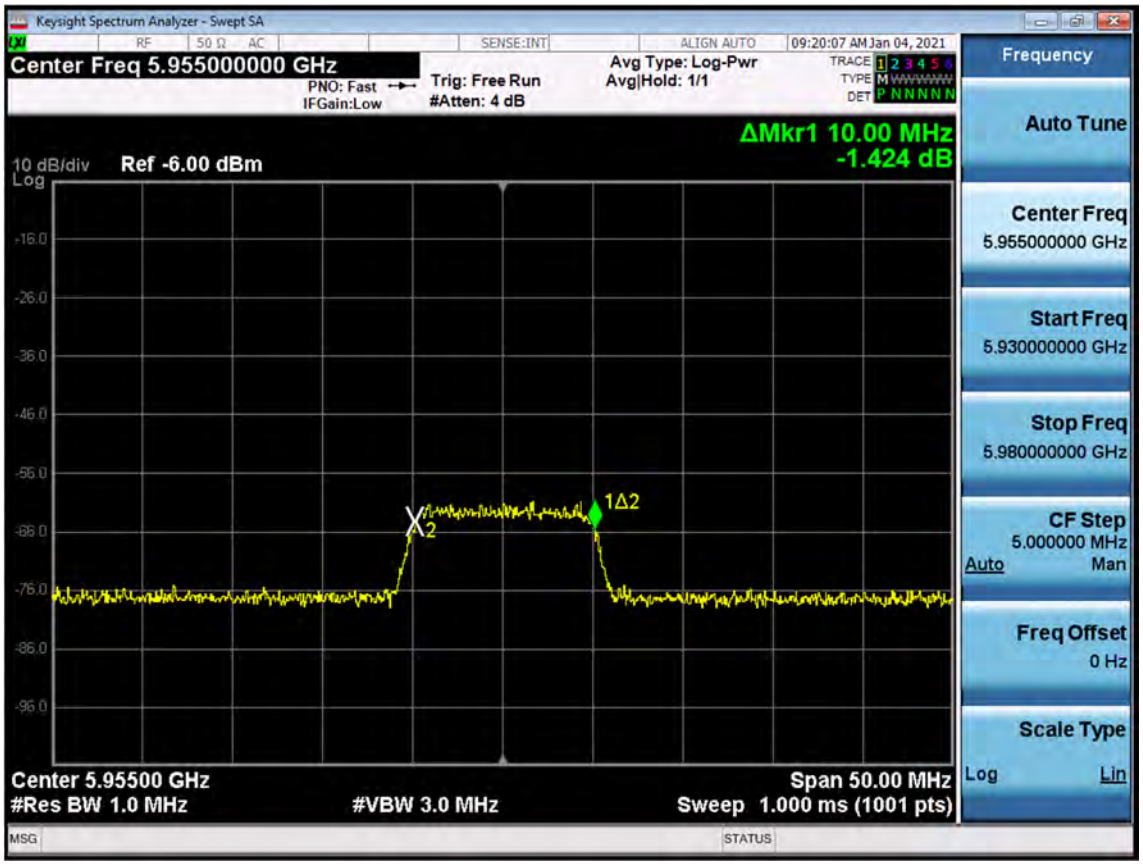
Note:

Total PSD(dBm/MHz) = Reading Value(dBm/MHz) + Duty Cycle Factor(dB)

EIRP PSD(dBm/MHz) = Duty Factor(dB) + Reading Value (dBm/MHz) + Peak Ant. Gain(dBi)

7. Contention Based Protocol

Incumbent Signal Bandwidth



Note:

Using an AWGN signal with a bandwidth of 10 MHz.

Contention Based Protocol Triming Plot

Note:

Marker indicates the point at which the AWGN signal is introduced.