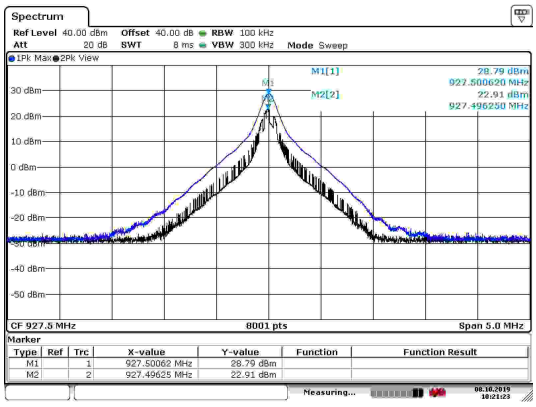
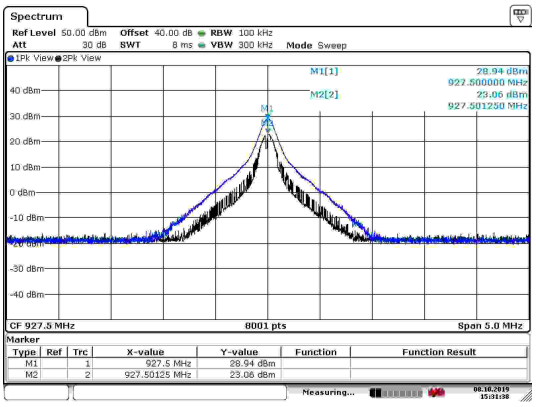
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	**Peak Output Power** (Cond)	
DNB Job Number:	06022	Date: 10 Oct 2019	**Conformance Standard**
Customer:	Transcore		FCC Part 15
Model Number:	MPRXFH		
Description:	Multiprotocol Reader Extreme- Frequency Hopper		**Clause** 15.247(b,2)

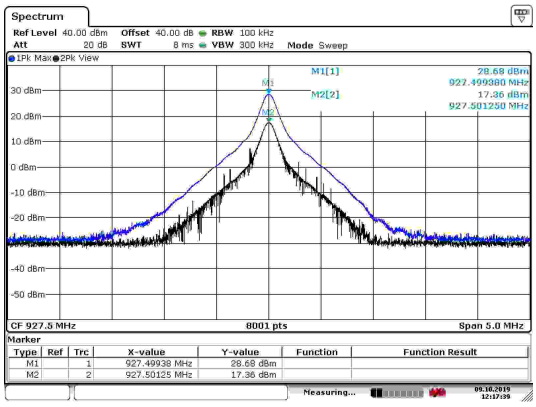
Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
24 °C	32 %	101.30 kPa

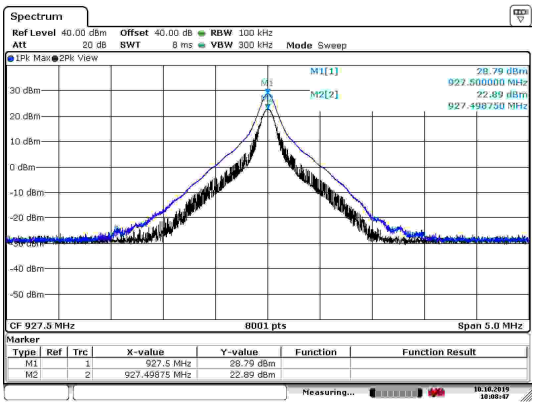
EUT performed within the requirements of the applicable standard [X] Yes [ ] No *J Payne*

Port	Channel	Mod	Freq (MHz)	Meas Peak Pwr (dBm)	Limit (dBm)	Delta (dBm)	Meas Peak Pwr (mW)	Limit (mW)	Delta (mW)	Pass/Fail
0	High	iag	927.500	28.79	30	-1.21	756.833	1000	-243	Pass
1	High	iag	927.500	28.94	30	-1.06	783.430	1000	-217	Pass
2	High	iag	927.500	28.68	30	-1.32	737.904	1000	-262	Pass
3	High	iag	927.500	28.79	30	-1.21	756.833	1000	-243	Pass







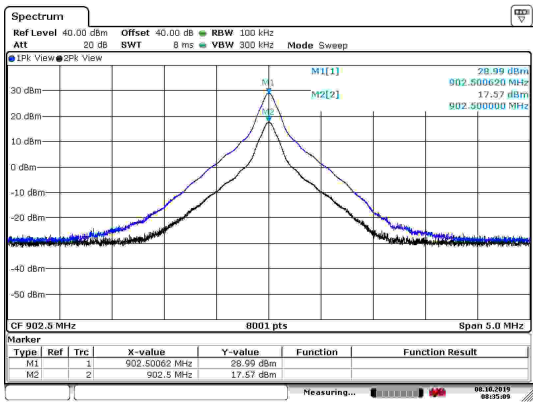


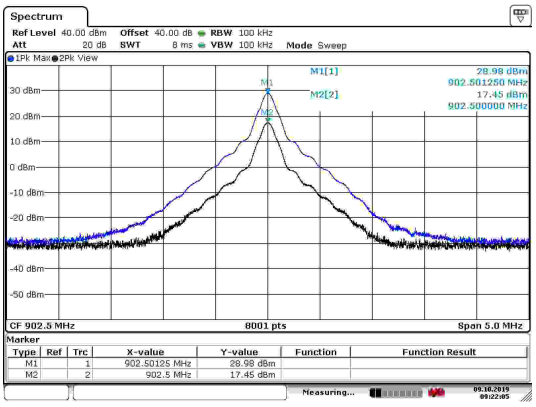
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	**Peak Output Power** (Cond)	
DNB Job Number:	06022	Date: 10 Oct 2019	**Conformance Standard**
Customer:	Transcore		FCC Part 15
Model Number:	MPRXFH		
Description:	Multiprotocol Reader Extreme- Frequency Hopper		**Clause** 15.247(b,2)

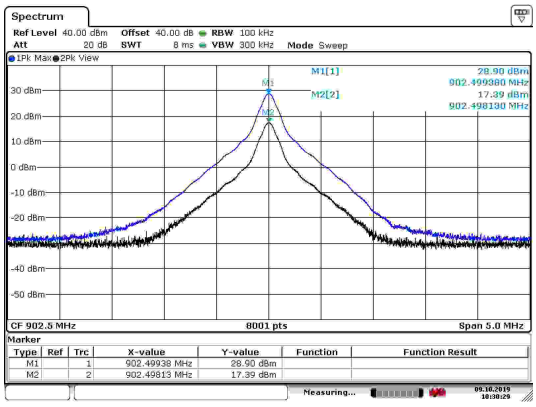
Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
24 °C	32 %	101.30 kPa

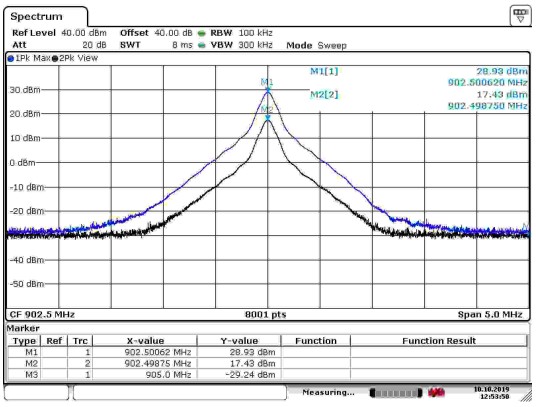
EUT performed within the requirements of the applicable standard [X] Yes [ ] No *J Payne*

Port	Channel	Mod	Freq (MHz)	Meas Peak Pwr (dBm)	Limit (dBm)	Delta (dBm)	Meas Peak Pwr (mW)	Limit (mW)	Delta (mW)	Pass/Fail
0	Low	Sego	902.500	28.99	30	-1.01	792.501	1000	-207	Pass
1	Low	Sego	902.500	28.98	30	-1.02	790.679	1000	-209	Pass
2	Low	Sego	902.500	28.90	30	-1.1	776.247	1000	-224	Pass
3	Low	Sego	902.500	28.93	30	-1.07	781.628	1000	-218	Pass







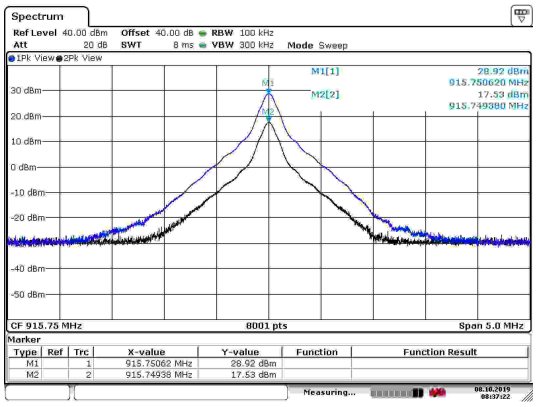


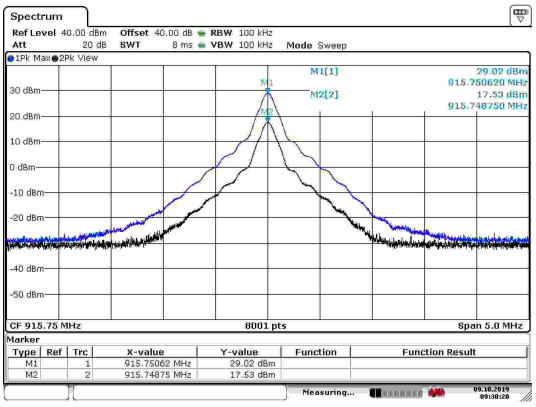
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	**Peak Output Power** (Cond)	
DNB Job Number:	06022	Date: 10 Oct 2019	**Conformance Standard**
Customer:	Transcore		FCC Part 15
Model Number:	MPRXFH		
Description:	Multiprotocol Reader Extreme- Frequency Hopper		**Clause** 15.247(b,2)

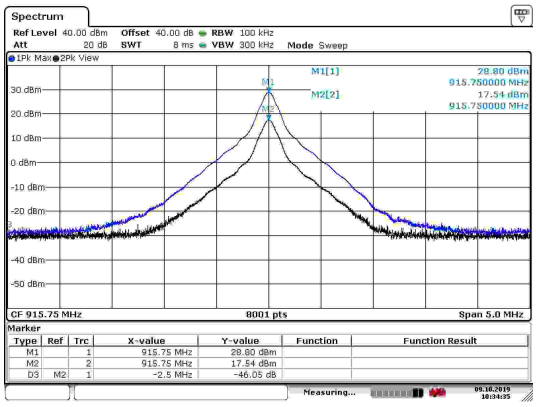
Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
24 °C	32 %	101.30 kPa

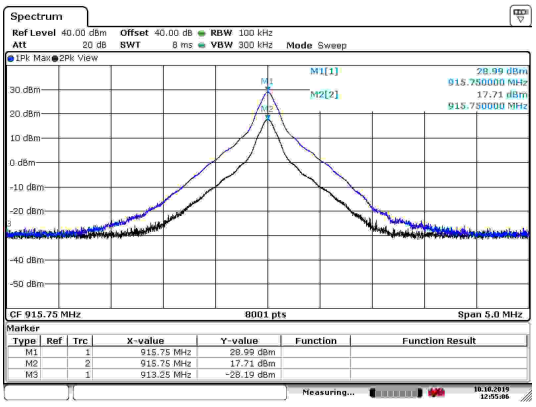
EUT performed within the requirements of the applicable standard [X] Yes [ ] No *J Payne*

Port	Channel	Mod	Freq (MHz)	Meas Peak Pwr (dBm)	Limit (dBm)	Delta (dBm)	Meas Peak Pwr (mW)	Limit (mW)	Delta (mW)	Pass/Fail
0	Mid	Sego	915.750	28.92	30	-1.08	779.830	1000	-220	Pass
1	Mid	Sego	915.750	29.02	30	-0.98	797.995	1000	-202	Pass
2	Mid	Sego	915.750	28.80	30	-1.2	758.578	1000	-241	Pass
3	Mid	Sego	915.750	28.99	30	-1.01	792.501	1000	-207	Pass







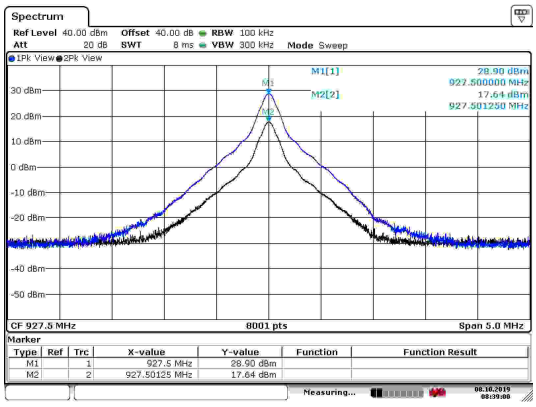


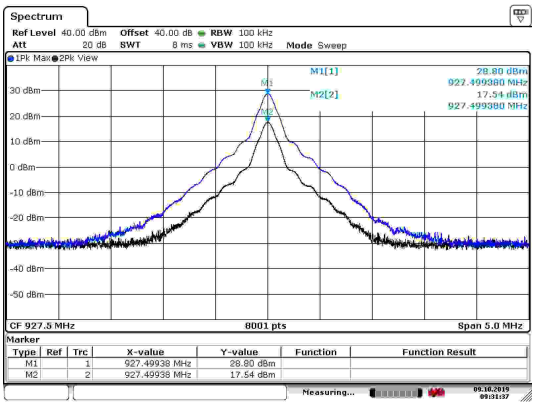
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	**Peak Output Power** (Cond)	
DNB Job Number:	06022	Date: 10 Oct 2019	**Conformance Standard**
Customer:	Transcore		FCC Part 15
Model Number:	MPRXFH		
Description:	Multiprotocol Reader Extreme- Frequency Hopper		**Clause** 15.247(b,2)

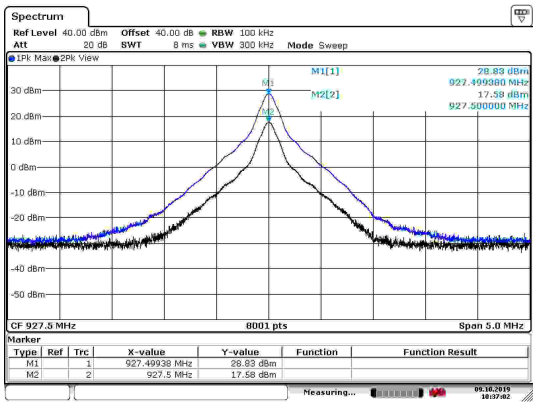
Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
24 °C	32 %	101.30 kPa

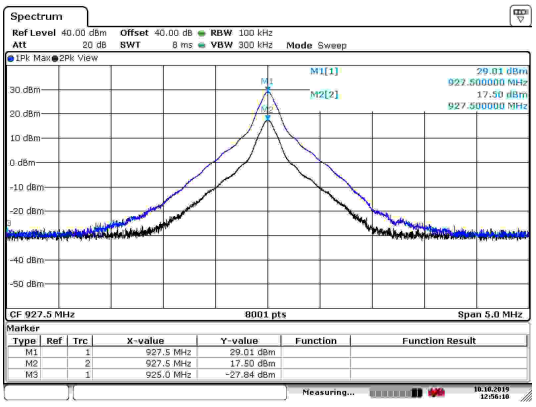
EUT performed within the requirements of the applicable standard [X] Yes [ ] No *J Payne*

Port	Channel	Mod	Freq (MHz)	Meas Peak Pwr (dBm)	Limit (dBm)	Delta (dBm)	Meas Peak Pwr (mW)	Limit (mW)	Delta (mW)	Pass/Fail
0	High	Sego	927.500	28.90	30	-1.1	776.247	1000	-224	Pass
1	High	Sego	927.500	28.80	30	-1.2	758.578	1000	-241	Pass
2	High	Sego	927.500	28.83	30	-1.17	763.836	1000	-236	Pass
3	High	Sego	927.500	29.01	30	-0.99	796.159	1000	-204	Pass









15.247 (d) Conducted Band Edge and Out of Band Emissions

Test Procedure: ANSI C63.10-2013

Band-edge Compliance of RF Conducted Emissions

Tested in accordance with ANSI C63.10-2013 Clause 6.10.4 - Relative Method

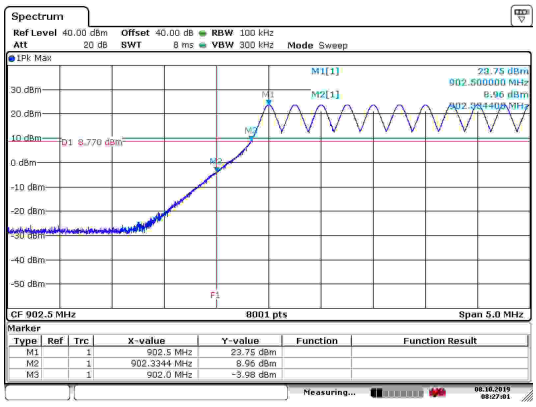
Test Set Up: Same as 15.247 (a,2) 20dB Emission Bandwidth

	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	**Band Edge Measurements**	
DNB Job Number:	06022	Date: 10 Oct 2019	**Conformance Standard** FCC Part 15
Customer:	Transcore		
Model Number:	MPRXFH		
Description:	Multiprotocol Reader Extreme- Frequency Hopper		**Clause** 15.247(d)

Ambient Temperature	Relative Humidity	Barometric Pressure
24 °C	32 %	101.30 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *J Payne*

Conducted Band Edge Measurement					Freq Delta (MHz)	Pass/Fail
Port	Modulation	Limit	Lower (MHz)	Upper (MHz)		
0	ego	902	902.3344		0.334	Pass
1	ego	902	902.34077		0.341	Pass
2	ego	902	902.3294		0.329	Pass
3	ego	902	902.33565		0.336	Pass



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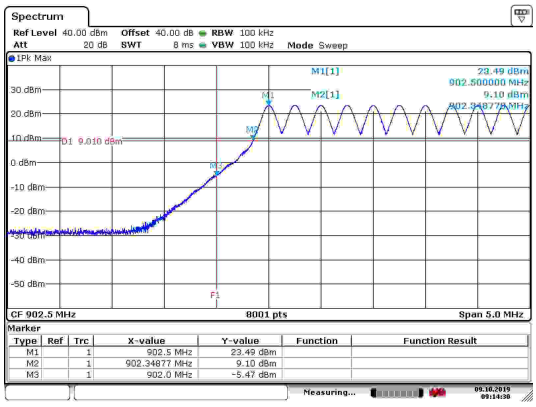

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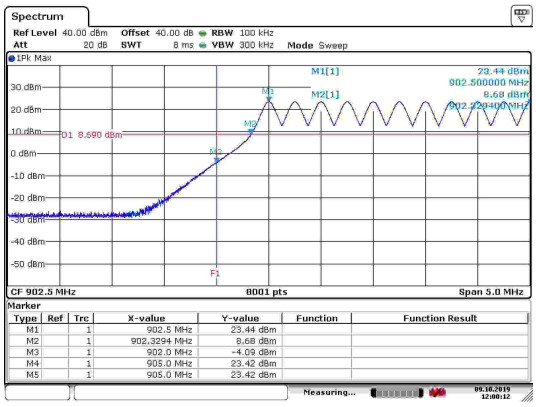

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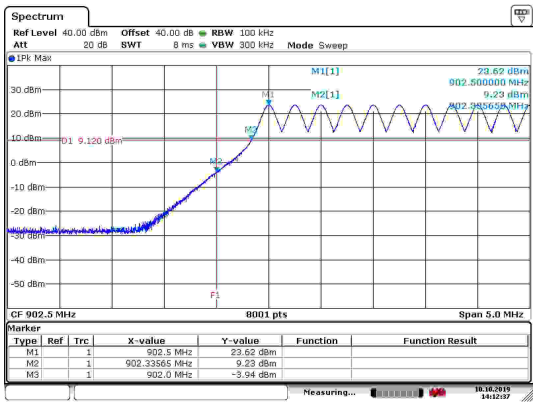


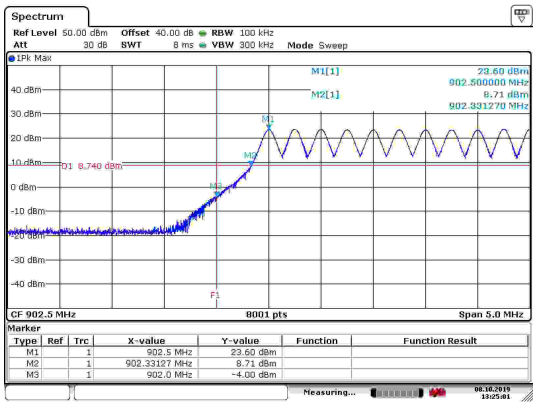
Date: 10.OCT.2019 14:12:37

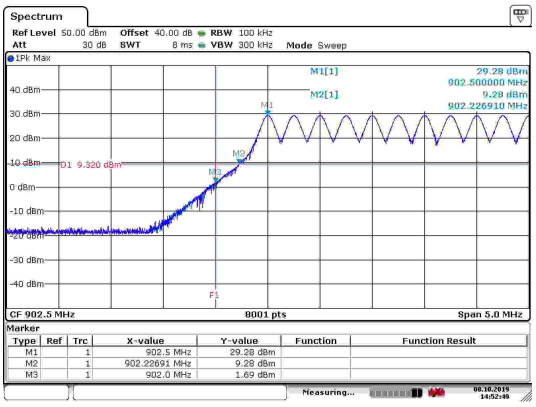
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	**Band Edge Measurements**	
DNB Job Number:	06022	Date: 10 Oct 2019	**Conformance Standard** FCC Part 15
Customer:	Transcore		
Model Number:	MPRXFH		
Description:	Multiprotocol Reader Extreme- Frequency Hopper		**Clause** 15.247(d)

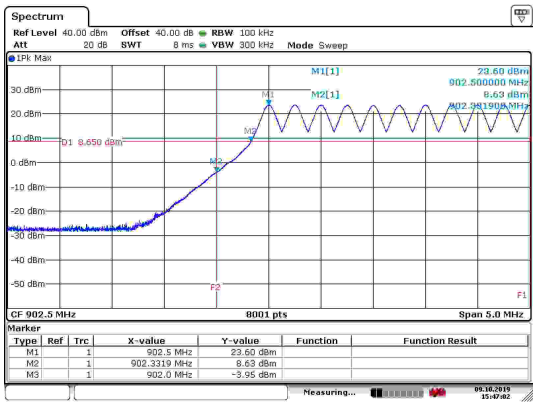
Ambient Temperature	Relative Humidity	Barometric Pressure
24 °C	32 %	101.30 kPa

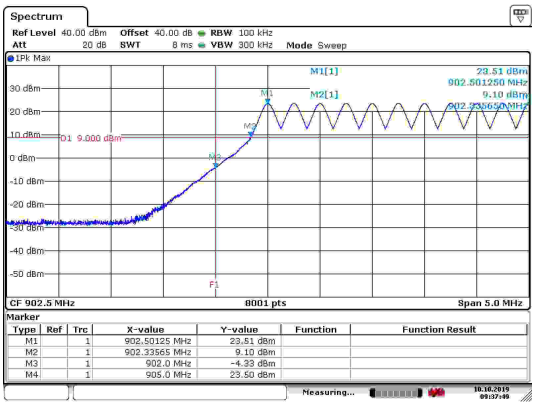
EUT performed within the requirements of the applicable standard [X] Yes [ ] No *J Payne*

Conducted Band Edge Measurement					Freq Delta (MHz)	Pass/Fail
Port	Modulation	Limit	Lower (MHz)	Upper (MHz)		
0	epc	902	902.33127		0.331	Pass
1	epc	902	902.22691		0.227	Pass
2	epc	902	902.33190		0.332	Pass
3	epc	902	902.33565		0.336	Pass







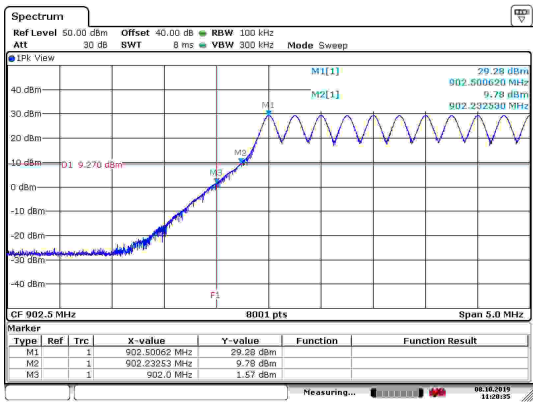


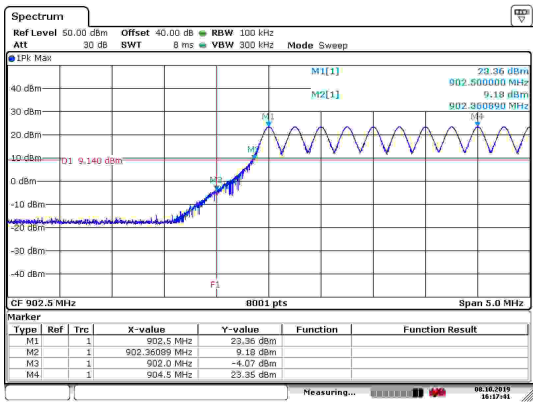
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	**Band Edge Measurements**	
DNB Job Number:	06022	Date: 10 Oct 2019	**Conformance Standard** FCC Part 15
Customer:	Transcore		
Model Number:	MPRXFH		
Description:	Multiprotocol Reader Extreme- Frequency Hopper		**Clause** 15.247(d)

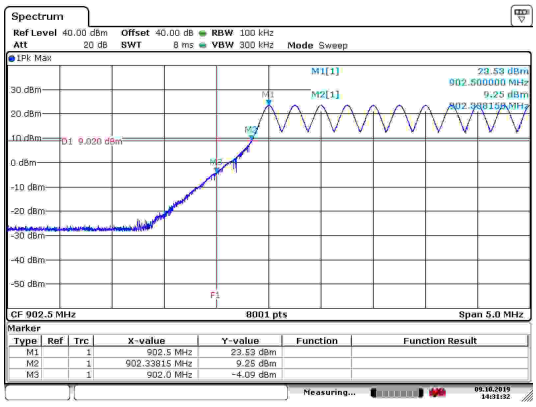
Ambient Temperature	Relative Humidity	Barometric Pressure
24 °C	32 %	101.30 kPa

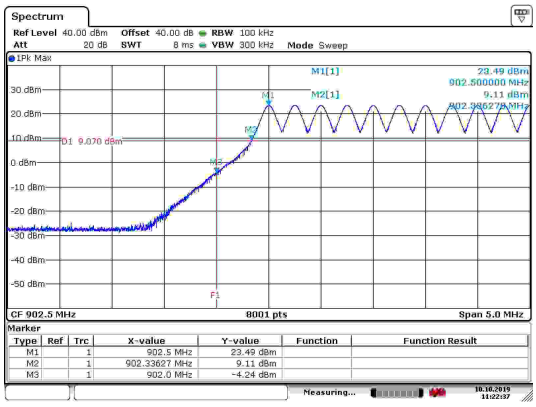
EUT performed within the requirements of the applicable standard [X] Yes [ ] No *J Payne*

Conducted Band Edge Measurement					Freq Delta (MHz)	Pass/Fail
Port	Modulation	Limit	Lower (MHz)	Upper (MHz)		
0	iag	902	902.23253		0.233	Pass
1	iag	902	902.36089		0.361	Pass
2	iag	902	902.33015		0.330	Pass
3	iag	902	902.33627		0.336	Pass







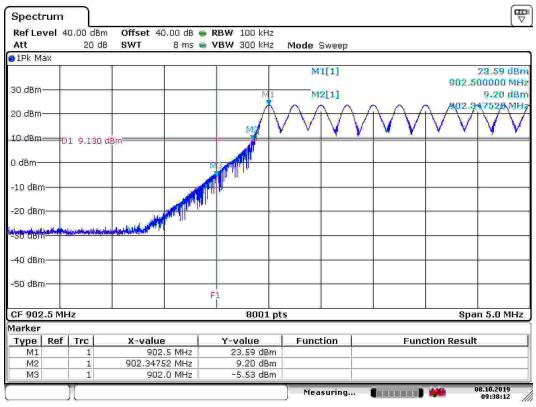


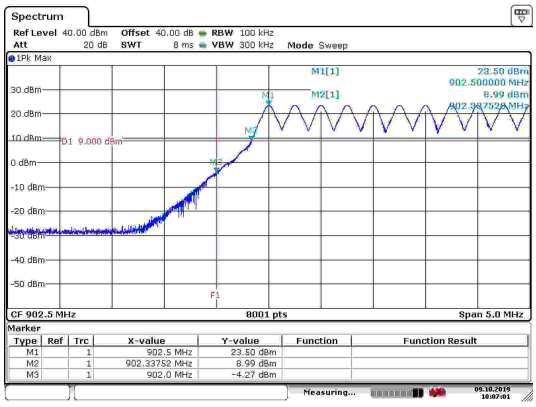
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	**Band Edge Measurements**	
DNB Job Number:	06022	Date: 10 Oct 2019	**Conformance Standard**
Customer:	Transcore		FCC Part 15
Model Number:	MPRXFH		
Description:	Multiprotocol Reader Extreme- Frequency Hopper		**Clause** 15.247(d)

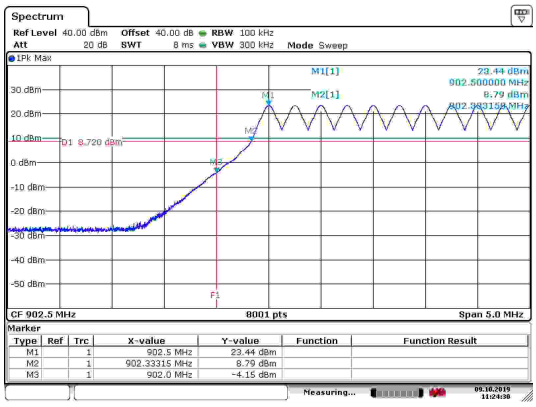
Ambient Temperature	Relative Humidity	Barometric Pressure
24 °C	32 %	101.30 kPa

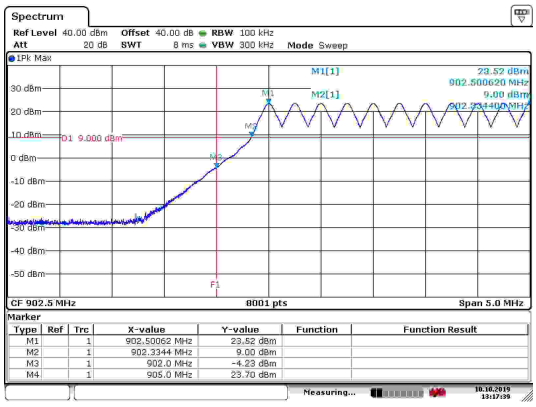
EUT performed within the requirements of the applicable standard [X] Yes [ ] No *J Payne*

Conducted Band Edge Measurement					Freq Delta (MHz)	Pass/Fail
Port	Modulation	Limit	Lower (MHz)	Upper (MHz)		
0	Sego	902	902.34752		0.348	Pass
1	Sego	902	902.33752		0.338	Pass
2	Sego	902	902.33315		0.333	Pass
3	Sego	902	902.33440		0.334	Pass







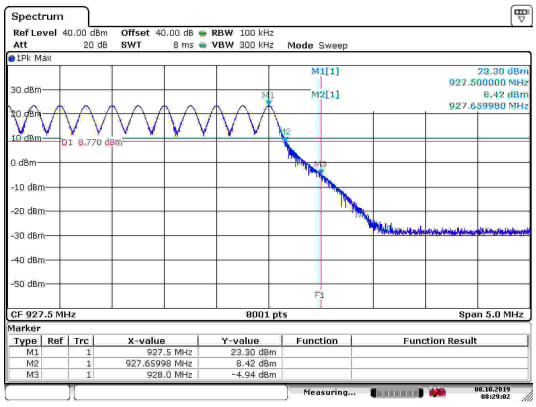


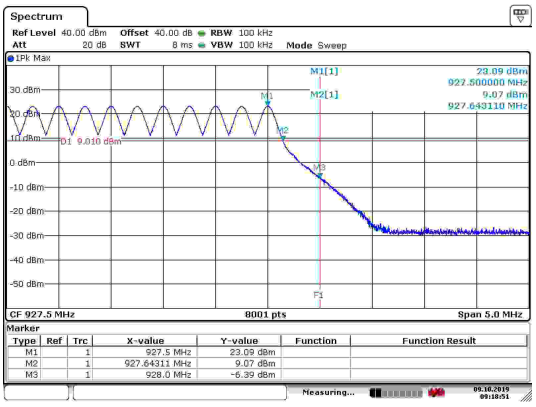
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	**Band Edge Measurements**	
DNB Job Number:	06022	Date: 10 Oct 2019	**Conformance Standard** FCC Part 15
Customer:	Transcore		
Model Number:	MPRXFH		
Description:	Multiprotocol Reader Extreme- Frequency Hopper		**Clause** 15.247(d)

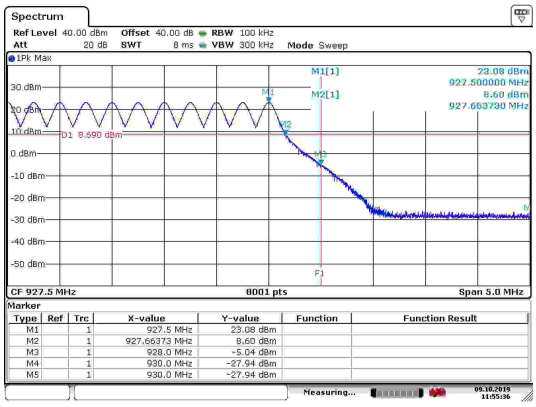
Ambient Temperature	Relative Humidity	Barometric Pressure
24 °C	32 %	101.30 kPa

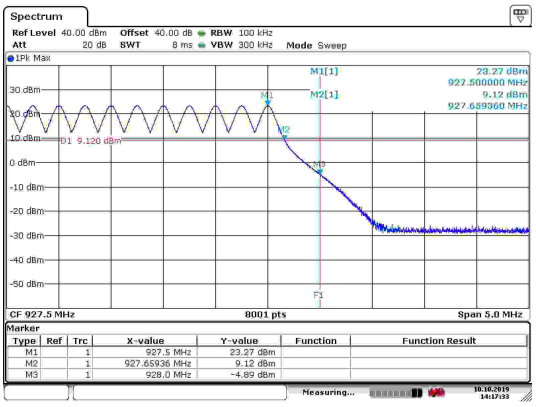
EUT performed within the requirements of the applicable standard [X] Yes [ ] No *J Payne*

Conducted Band Edge Measurement					Freq Delta (MHz)	Pass/Fail
Port	Modulation	Limit	Lower (MHz)	Upper (MHz)		
0	ego	928		927.65990	-0.340	Pass
1	ego	928		927.64311	-0.357	Pass
2	ego	928		927.66373	-0.336	Pass
3	ego	928		927.65936	-0.341	Pass







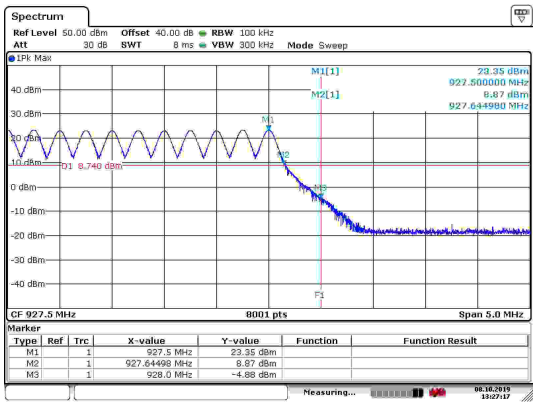


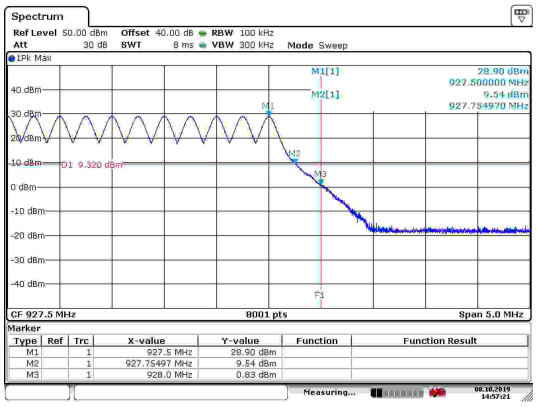
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	**Band Edge Measurements**	
DNB Job Number:	06022	Date: 10 Oct 2019	**Conformance Standard** FCC Part 15
Customer:	Transcore		
Model Number:	MPRXFH		
Description:	Multiprotocol Reader Extreme- Frequency Hopper		**Clause** 15.247(d)

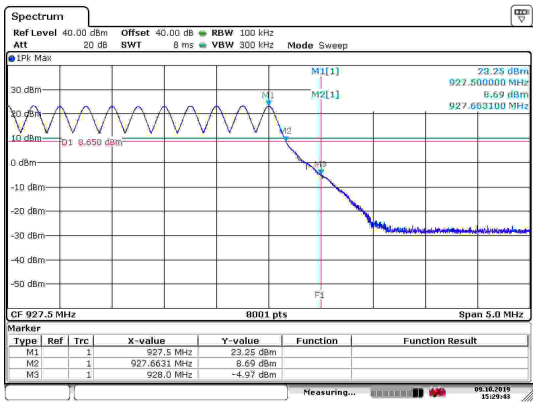
Ambient Temperature	Relative Humidity	Barometric Pressure
24 °C	32 %	101.30 kPa

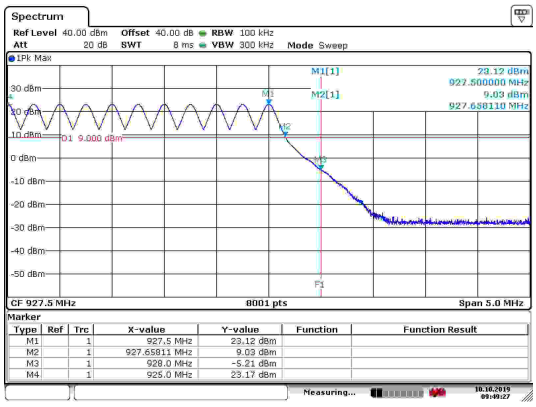
EUT performed within the requirements of the applicable standard [X] Yes [ ] No *J Payne*

Conducted Band Edge Measurement					Freq Delta (MHz)	Pass/Fail
Port	Modulation	Limit	Lower (MHz)	Upper (MHz)		
0	epc	928		927.64498	-0.355	Pass
1	epc	928		927.75497	-0.245	Pass
2	epc	928		927.66310	-0.337	Pass
3	epc	928		927.65811	-0.342	Pass







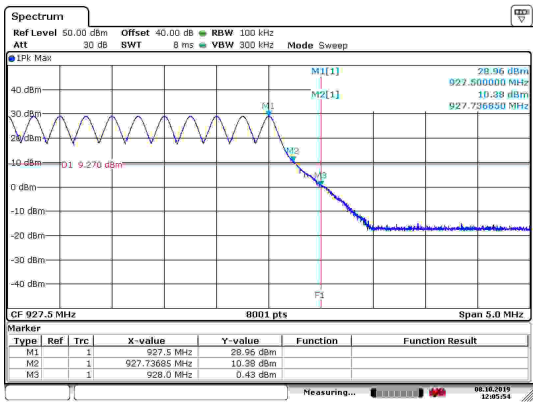


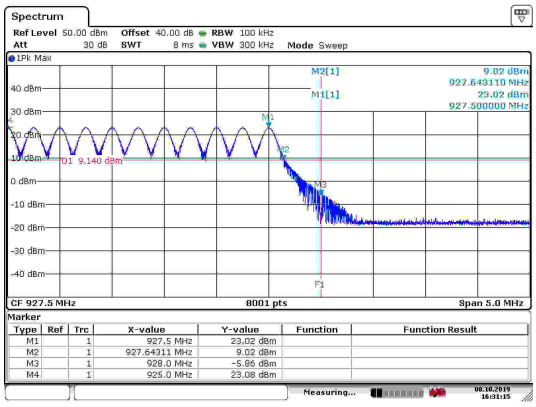
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	**Band Edge Measurements**	
DNB Job Number:	06022	Date: 10 Oct 2019	**Conformance Standard** FCC Part 15
Customer:	Transcore		
Model Number:	MPRXFH		
Description:	Multiprotocol Reader Extreme- Frequency Hopper		**Clause** 15.247(d)

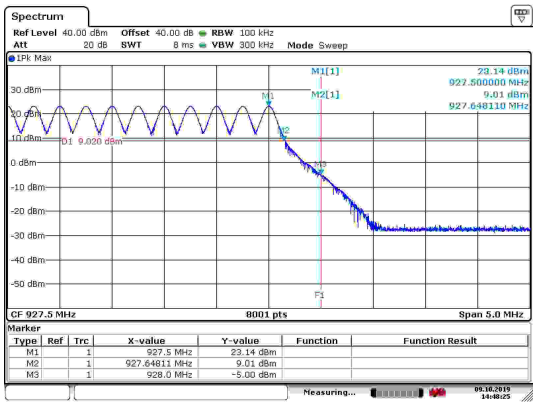
Ambient Temperature	Relative Humidity	Barometric Pressure
24 °C	32 %	101.30 kPa

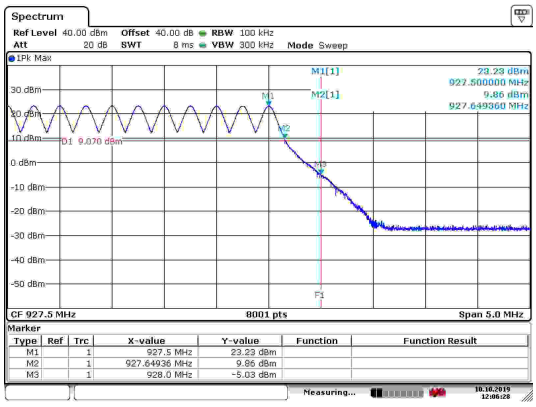
EUT performed within the requirements of the applicable standard [X] Yes [ ] No *J Payne*

Conducted Band Edge Measurement					Freq Delta (MHz)	Pass/Fail
Port	Modulation	Limit	Lower (MHz)	Upper (MHz)		
0	iag	928		927.73685	-0.263	Pass
1	iag	928		927.64311	-0.357	Pass
2	iag	928		927.64811	-0.352	Pass
3	iag	928		927.64936	-0.351	Pass







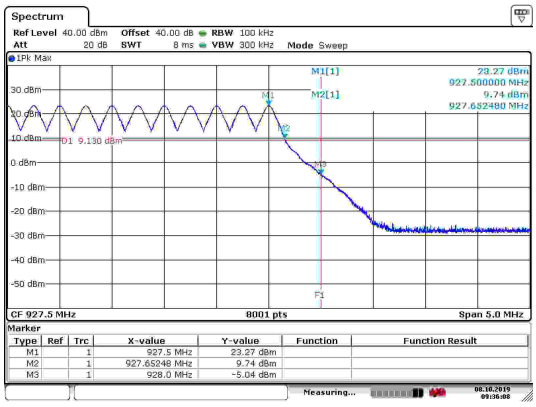


	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	**Band Edge Measurements**	
DNB Job Number:	06022	Date: 10 Oct 2019	**Conformance Standard** FCC Part 15
Customer:	Transcore		
Model Number:	MPRXFH		
Description:	Multiprotocol Reader Extreme- Frequency Hopper		**Clause** 15.247(d)

Ambient Temperature	Relative Humidity	Barometric Pressure
24 °C	32 %	101.30 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *J Payne*

Conducted Band Edge Measurement					Freq Delta (MHz)	Pass/Fail
Port	Modulation	Limit	Lower (MHz)	Upper (MHz)		
0	Sego	928		927.65248	-0.348	Pass
1	Sego	928		927.65811	-0.342	Pass
2	Sego	928		927.66185	-0.338	Pass
3	Sego	928		927.66123	-0.339	Pass



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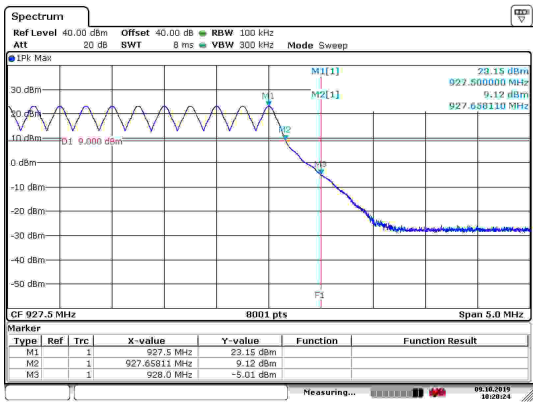

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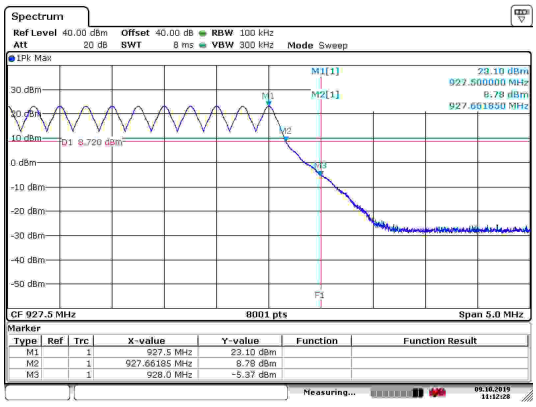

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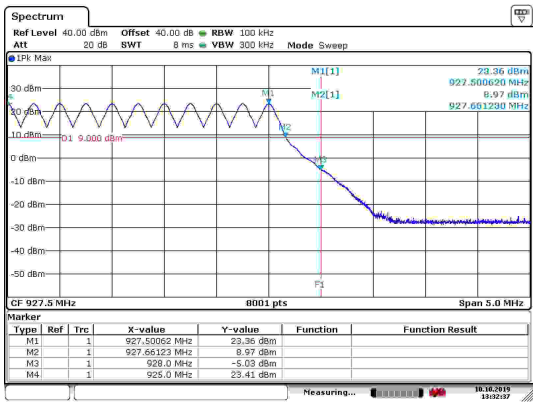

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	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	**FHSS Characteristics**	
DNB Job Number:	06022	Date: 19 Nov 2019	**Conformance Standard** FCC Part 15
Customer:	Transcore		
Model Number:	MPRXFH		
Description:	Multiprotocol Reader Extreme- Frequency Hopper (FHSS)		**Clause** 15.247(g & h)
EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*			

15.247g,h FHSS Characteristics

Frequency Hop Timing
The timing is handled in the high level state machine. Every time through the high level state machine, the Realtime Clock is read. The time read from the Realtime Clock is compared to see if the tenths of seconds is not equal to the previous tenths of seconds value. If not equal, it hops to the next hop channel. The average hop rate is 100 ms. This high level state machine does not override tag encoders/decoders, so depending on a tag in the field, it will vary a bit from hop to hop, but no more than 15% on a single given hop.

Select of Hop Frequency
The Encompass 4H operates in the 902 to 928 MHz industrial, scientific, and medical radio band. The channel frequencies are defined by an algorithm below. There is no ability to synchronize this hopping with other devices. Therefore the Encompass 4H does not have the ability to be coordinated with other systems. Each frequency is used equally on average by the transmitter.

Frequency Hop Sequence
There are 101 unique frequency steps from 902.5 to 927.5 MHz with a step size of 250kHz, Channel 0=902.5 MHz, Channel 1=902.75 MHz, Channel 2=903 MHz, …Channel 100=927.5 MHz. The reader has a Real Time Clock (RTC) that is continually running independently of the frequency setting, and is read many independent times in between the reader setting the transceiver to a new frequency. The RTC has a hundredth of a second field that will be a number between 00 and 99. The reader software will add 1 to the currently read value of this hundredth value resulting in a random number between 1 and 100. It will then add this value to the current RF frequency channel. If the resulting channel is valid, it will jump the RF frequency to that channel. If the resulting channel is out of range, it will roll around to the first channel and add the remainder of the number of channels that it was out of range. This will result in a 50/50 chance of the new frequency ending up being a forward hop or a backwards hop. Statistically, over the short term, the frequency hopping is completely random and the resultant end value of a given RF frequency is further randomized as the algorithm is influenced by every single random step that occurred since the reader was powered up. Over the long term, every channel will statistically be occupied the same amount of time as every other channel.

Additional Information
All frequency hopping modes were evaluated, there was no significant difference in timing or hopping sequencing between frequency hopping modes. FHSS mode represented in the plotted data was taken with FHSS mode SeGo.

	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	**Hopping Channels**	
DNB Job Number:	06022	Date: 10 Oct 2019	**Conformance Standard** FCC Part 15
Customer:	Transcore		
Model Number:	MPRXFH		
Description:	Multiprotocol Reader Extreme- Frequency Hopper (FHSS)		**Clause** 15.247(a,1,i)

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
24 °C	32 %	101.30 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*

15.247 Number of Hopping Frequencies

The EUT must have its hopping function enabled. Use the following spectrum analyzer settings:

Span = the frequency band of operation
RBW ≥ 1% of the span
VBW ≥ RBW
Sweep = auto
Detector function = peak
Trace = max hold

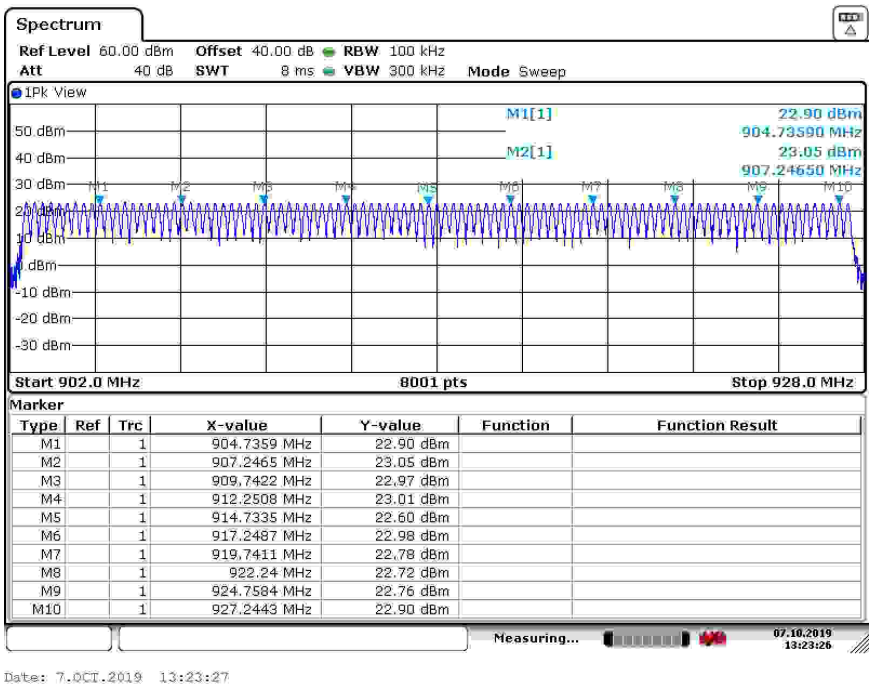
Allow the trace to stabilize. It may prove necessary to break the span up to sections, in order to clearly show all of the hopping frequencies. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s).

	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	**Hopping Channels**	
DNB Job Number:	06022	Date: 7 Oct 2019	**Conformance Standard**
Customer:	Transcore		FCC Part 15
Model Number:	MPRXFH		
Description:	Multiprotocol Reader Extreme- Frequency Hopper (FHSS)		**Clause** 15.247(a,1,i)

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
21 °C	25 %	101.2 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*

Center Frequency	Frequency Span	Hopping Channels	Min Limit	Pass/Fail
915.000 MHz	26 MHz	101	50	Pass



	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	**Max Time on Channel Freq**	
DNB Job Number:	06022	Date: 10 Oct 2019	**Conformance Standard** FCC Part 15
Customer:	Transcore		
Model Number:	MPRXFH		
Description:	Multiprotocol Reader Extreme- Frequency Hopper (FHSS)		**Clause** 15.247(a,1,iii)

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
21 °C	25 %	101.2 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*

15.247 Time of Occupancy (Dwell Time)

The EUT must have its hopping function enabled. Use the following spectrum analyzer settings:
Span = zero span, centered on a hopping channel
RBW = 1 MHz
VBW ≥ RBW
Sweep = as necessary to capture the entire dwell time per hopping channel
Detector function = peak
Trace = max hold
Trigger = video (positive trace)

If possible, use the marker-delta function to determine the dwell time. If this value varies with different modes of operation (e.g., data rate, modulation format, etc.), repeat this test for each variation. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s). An oscilloscope may be used instead of a spectrum analyzer.

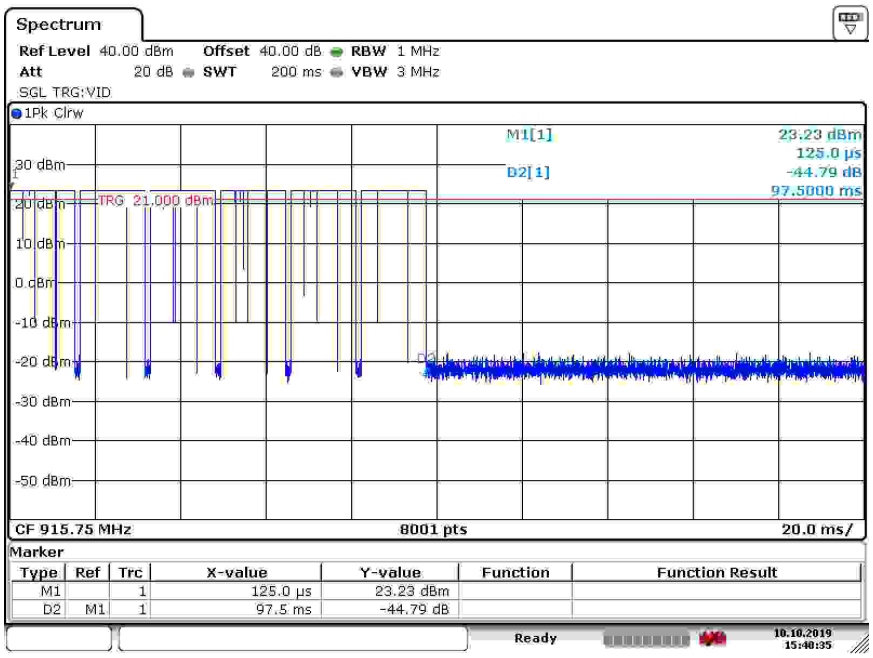
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	**Max Time on Channel Freq**

DNB Job Number:	06022	Date: 10 Oct 2019	**Conformance Standard**
Customer:	Transcore		FCC Part 15
Model Number:	MPRXFH		
Description:	Multiprotocol Reader Extreme- Frequency Hopper (FHSS)		**Clause** 15.247(a,1,i)
	SeGo mode (representative of all hopping modes)		

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
24 °C	32 %	101.30 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*

Center Freq Chl	Pulse Duration	Number of Pulses in 20 Seconds	Calculated on time	Allowed On Time	Pass/Fail
915.750MHz	0.0975 Sec	4	0.390 Sec	0.4sec in 20 sec window	Pass



	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	**Channel Separation**	
DNB Job Number:	06022	Date: 19 Nov 2019	**Conformance Standard** FCC Part 15
Customer:	Transcore		
Model Number:	MPRXFH		
Description:	Multiprotocol Reader Extreme- Frequency Hopper (FHSS)		**Clause** 15.247(a,1)
	SeGo mode (representative of all hopping modes)		

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
21 °C	25 %	101.2 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*

15.247 Carrier Frequency Separation

The EUT must have its hopping function enabled. Use the following spectrum analyzer settings:
Span = wide enough to capture the peaks of two adjacent channels
Resolution (or IF) Bandwidth (RBW) ≥ 1% of the span
Video (or Average) Bandwidth (VBW) ≥ RBW
Sweep = auto
Detector function = peak
Trace = max hold

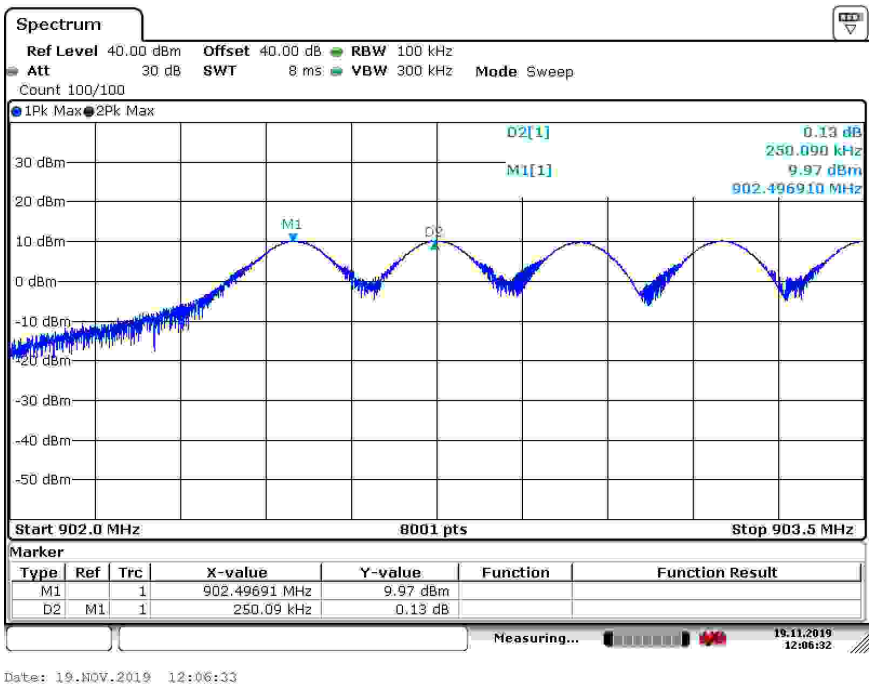
Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. The limit is specified in one of the subparagraphs of this Section. Submit this plot.

	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	**Channel Separation**	
DNB Job Number:	06022	Date: 19 Nov 2019	**Conformance Standard** FCC Part 15
Customer:	Transcore		
Model Number:	MPRXFH		
Description:	Multiprotocol Reader Extreme- Frequency Hopper (FHSS)		**Clause** 15.247(a,1)
	SeGo mode (representative of all hopping modes)		

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
20 °C	35 %	101.0 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Les Payne*

Hopping Channel 1	Hopping Channel 2	Delta	Limit (20dB BW)	Pass/Fail
902.496910	902.747	250.09 kHz	250kHz	Pass



Date: 19.NOV.2019 12:06:33

	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	**Conducted Spurious**	
DNB Job Number:	06022	Date: 10 Oct 2019	**Conformance Standard** FCC Part 15
Customer:	Transcore		
Model Number:	MPRXFH		
Description:	Multiprotocol Reader Extreme- Frequency Hopper		**Clause** 15.247(d)
	Test Procedure		

Ambient Temperature	Relative Humidity	Barometric Pressure
24 °C	32 %	101.30 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *J Payne*

Test Procedure: ANSI C63.10-2013

15.247 (d) Spurious RF Conducted Emissions

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10th harmonic. Typically, several plots are required to cover this entire span.
RBW = 100 kHz
VBW ≥ RBW
Sweep = auto
Detector function = peak
Trace = max hold

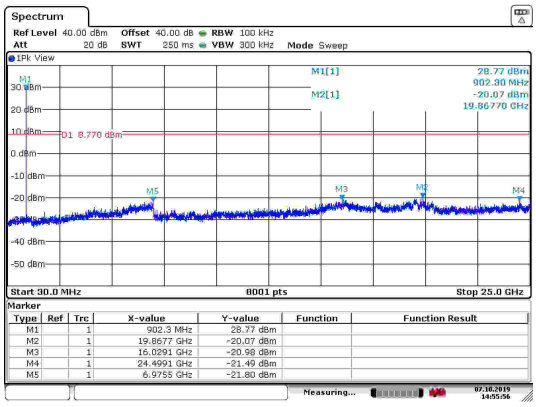
Allow the trace to stabilize. Set the marker on the peak of any spurious emission recorded. The level displayed must comply with the limit specified in this Section. Submit these plots.

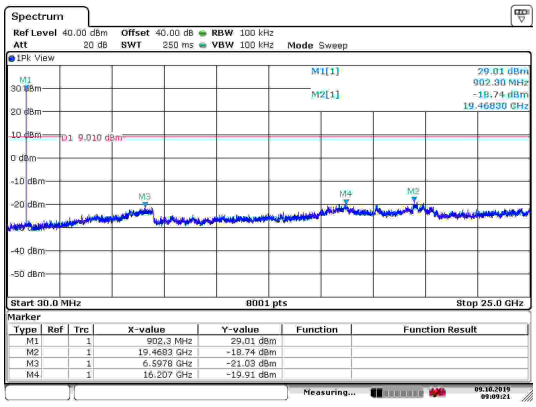
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	**Conducted Spurious**	
DNB Job Number:	06022	Date: 10 Oct 2019	**Conformance Standard** FCC Part 15
Customer:	Transcore		
Model Number:	MPRXFH		
Description:	Multiprotocol Reader Extreme- Frequency Hopper		**Clause** 15.247(d)

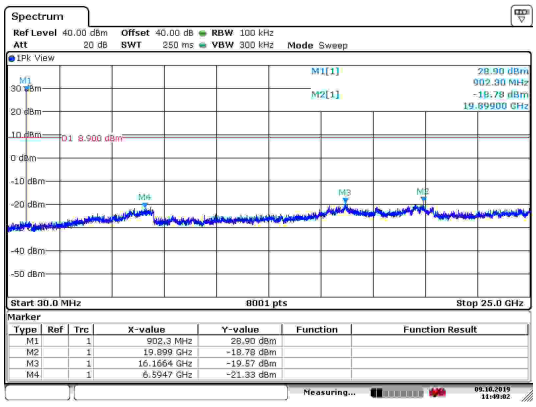
Ambient Temperature	Relative Humidity	Barometric Pressure
24 °C	32 %	101.30 kPa

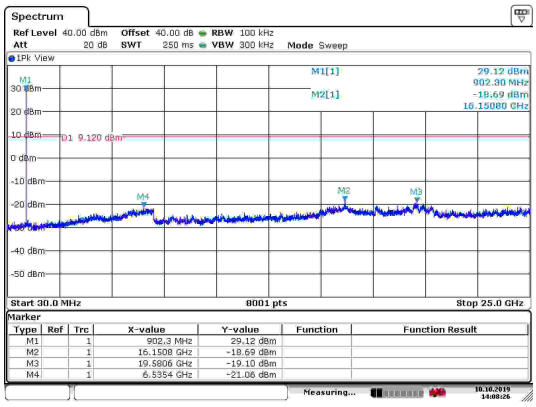
EUT performed within the requirements of the applicable standard [X] Yes [ ] No *J Payne*

Port	Channel	Modulation	Peak Output Power (dBm)	Reading (dBm)	-20dBc (dBm)	Pass/Fall
0	Low	ego	28.44	28.77	8.77	Pass
1	Low	ego	28.90	29.01	9.01	Pass
2	Low	ego	28.94	28.90	8.9	Pass
3	Low	ego	28.90	29.12	9.12	Pass







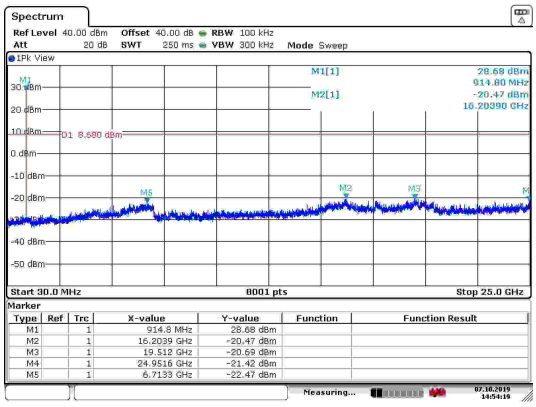


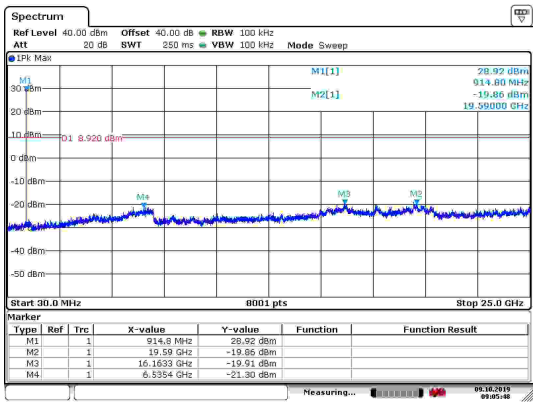
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	**Conducted Spurious**	
DNB Job Number:	06022	Date: 10 Oct 2019	**Conformance Standard** FCC Part 15
Customer:	Transcore		
Model Number:	MPRXFH		
Description:	Multiprotocol Reader Extreme- Frequency Hopper		**Clause** 15.247(d)

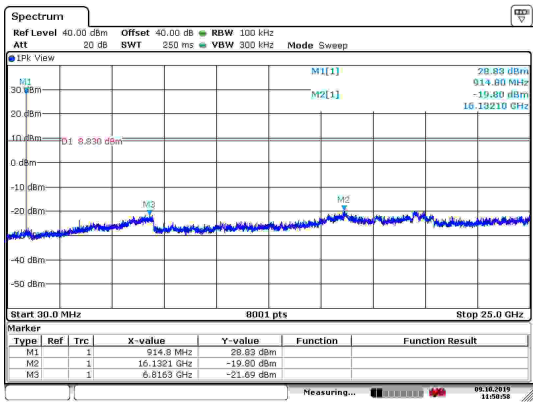
Ambient Temperature	Relative Humidity	Barometric Pressure
24 °C	32 %	101.30 kPa

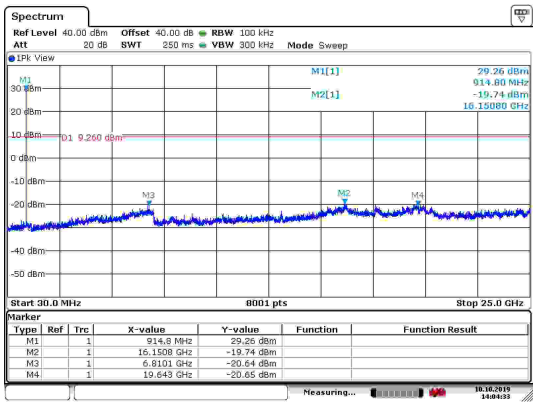
EUT performed within the requirements of the applicable standard [X] Yes [ ] No *J Payne*

Port	Channel	Modulation	Peak Output Power (dBm)	Reading (dBm)	-20dBc (dBm)	Pass/Fall
0	Mid	ego	28.55	28.60	8.6	Pass
1	Mid	ego	28.92	28.92	8.92	Pass
2	Mid	ego	28.79	28.83	8.83	Pass
3	Mid	ego	28.97	29.26	9.26	Pass



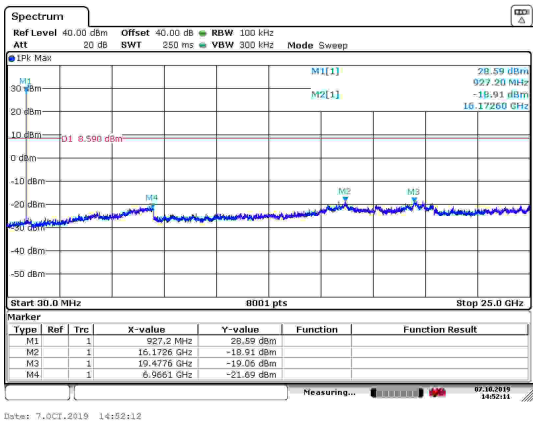
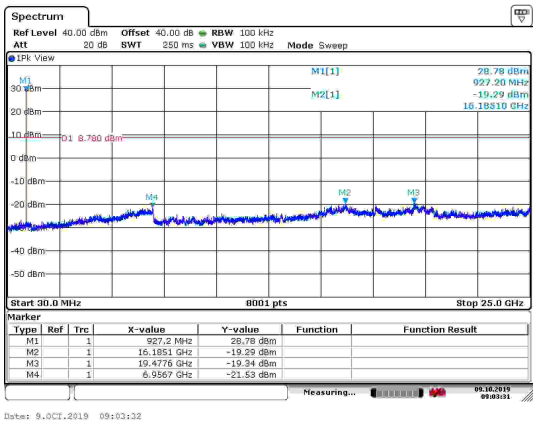
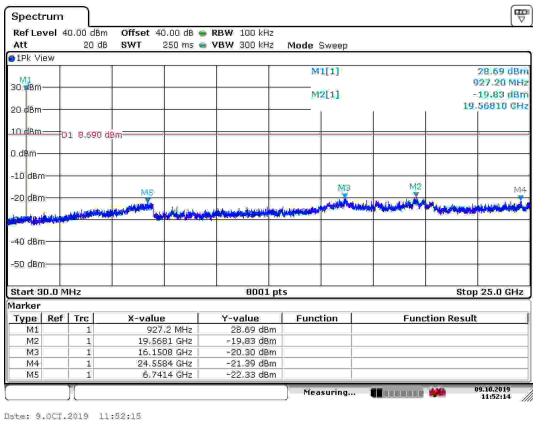
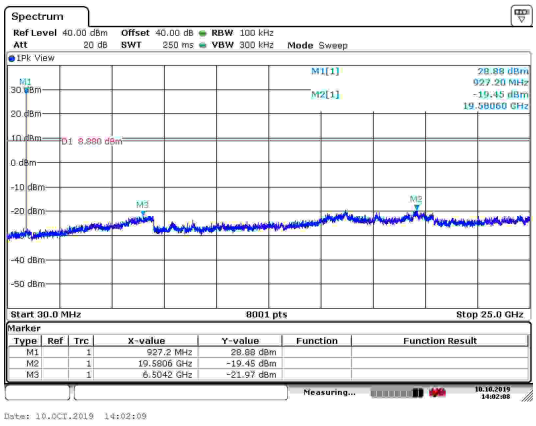






	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	**Conducted Spurious**	
DNB Job Number:	06022	Date: 10 Oct 2019	**Conformance Standard** FCC Part 15
Customer:	Transcore		
Model Number:	MPRXFH		
Description:	Multiprotocol Reader Extreme- Frequency Hopper		**Clause** 15.247(d)

Ambient Temperature	Relative Humidity	Barometric Pressure
24 °C	32 %	101.30 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *J Payne*

Port	Channel	Modulation	Peak Output Power (dBm)	Reading (dBm)	-20dBc (dBm)	Pass/Fall
0	High	ego	28.56	28.59	8.59	Pass
1	High	ego	28.88	28.78	8.78	Pass
2	High	ego	28.84	28.69	8.69	Pass
3	High	ego	29.04	28.88	8.88	Pass