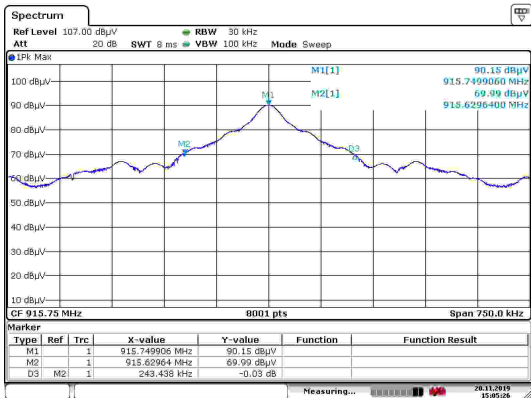
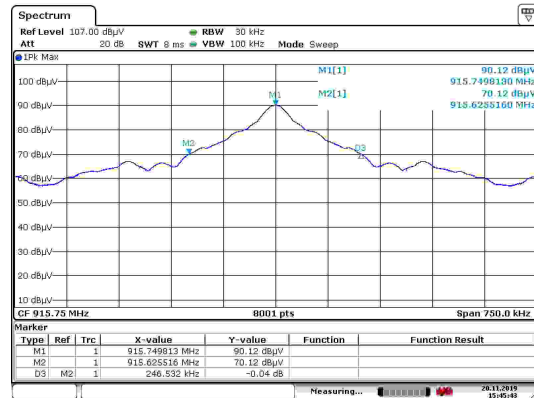


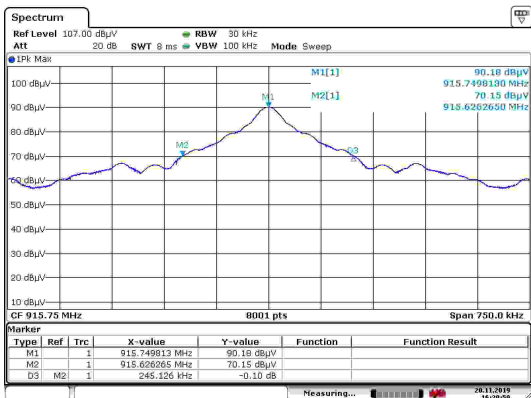
1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>20 dB Single Channel Bandwidth</b>			
DNB Job Number:	06022	Date:	18 Nov 2019		
Customer:	Transcore		<b>Conformance Standard</b>  FCC Part 15		
Model Number:	MPRXFH				
Description:	Multiprotocol Reader Extreme- Frequency Hopper		<b>Clause</b> 15.247(a,1,i)		
<b>Environmental Conditions</b>					
Ambient Temperature		Relative Humidity			
20 °C		24 %			
Barometric Pressure					
101.1 kPa					
EUT performed within the requirements of the applicable standard [X] Yes [ ] No <i>J Payne</i>					
Port	Channel	Modulation	Chl Freq (MHz)	20dB BW (kHz)	Pass/Fail
0	Mid	ego	915.750	243.438	Pass
1	Mid	ego	915.750	246.532	Pass
2	Mid	ego	915.750	245.126	Pass
3	Mid	ego	915.750	246.532	Pass



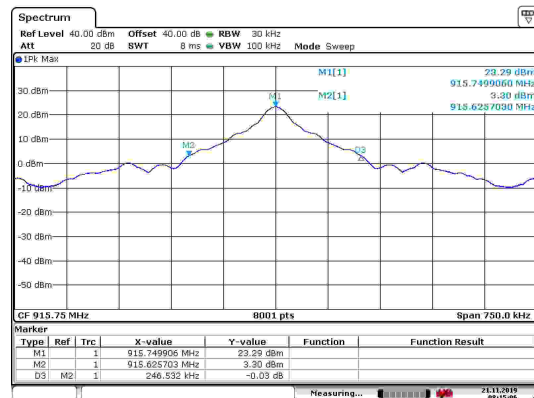
Date: 20.NOV.2019 15:05:26



Date: 20.NOV.2019 15:45:43

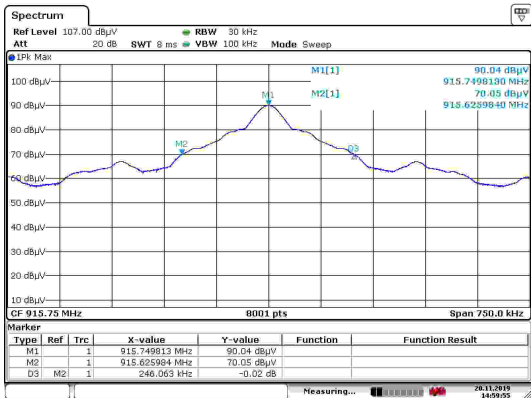


Date: 20.NOV.2019 16:20:59

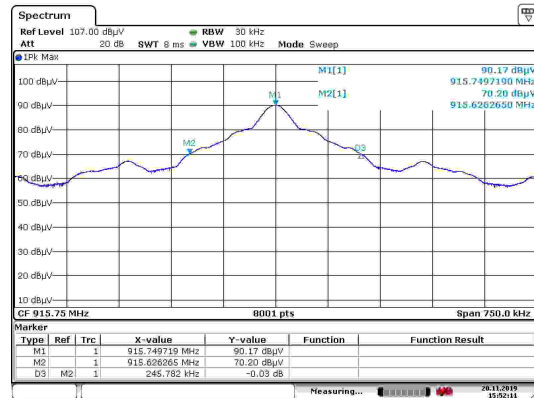


Date: 21.NOV.2019 08:15:07

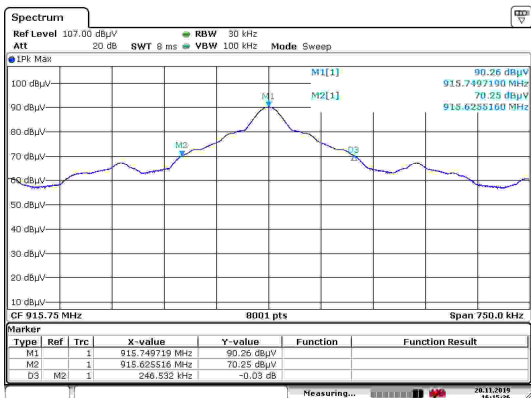
		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>20 dB Single Channel Bandwidth</b>		
DNB Job Number:	06022	Date:	18 Nov 2019	<b>Conformance Standard</b>  FCC Part 15  <b>Clause</b> 15.247(a,1,i)		
Customer:	Transcore					
Model Number:	MPRXFH					
Description:	Multiprotocol Reader Extreme- Frequency Hopper					
<b>Environmental Conditions</b>						
Ambient Temperature		Relative Humidity		Barometric Pressure		
20 °C		24 %		101.1 kPa		
EUT performed within the requirements of the applicable standard [X] Yes [ ] No <i>J Payne</i>						
Port	Channel	Modulation	Chl Freq (MHz)	20dB BW (kHz)	Pass/Fail	
0	Mid	epc	915.750	246.063	Pass	
1	Mid	epc	915.750	245.782	Pass	
2	Mid	epc	915.750	246.532	Pass	
3	Mid	epc	915.750	245.876	Pass	



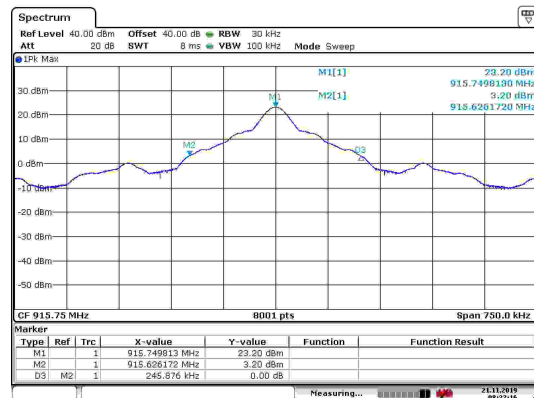
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Date: 20.NOV.2019 15:52:11

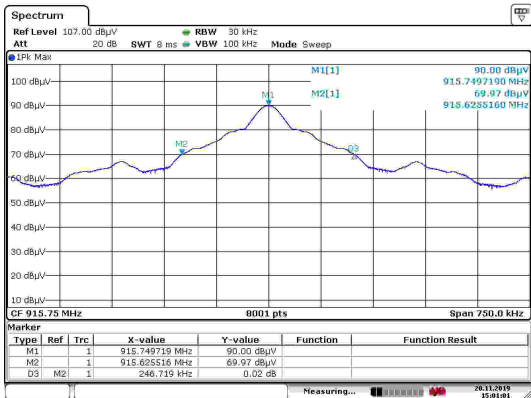


Date: 20.NOV.2019 16:15:36

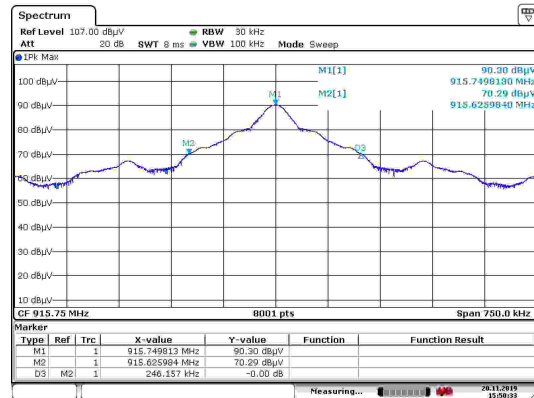


Date: 21.NOV.2019 08:22:16

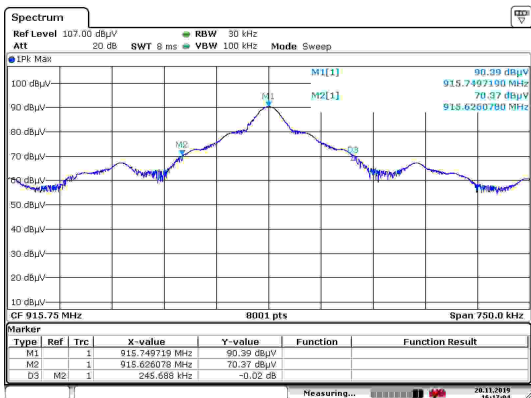
1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>20 dB Single Channel Bandwidth</b>			
DNB Job Number:	06022	Date:	18 Nov 2019		
Customer:	Transcore		<b>Conformance Standard</b>  FCC Part 15		
Model Number:	MPRXFH				
Description:	Multiprotocol Reader Extreme- Frequency Hopper		<b>Clause</b> 15.247(a,1,i)		
<b>Environmental Conditions</b>					
Ambient Temperature		Relative Humidity			
20 °C		24 %			
Barometric Pressure					
101.1 kPa					
EUT performed within the requirements of the applicable standard [X] Yes [ ] No <i>J Payne</i>					
Port	Channel	Modulation	Chl Freq (MHz)	20dB BW (kHz)	Pass/Fail
0	Mid	iag	915.750	246.719	Pass
1	Mid	iag	915.750	246.157	Pass
2	Mid	iag	915.750	245.688	Pass
3	Mid	iag	915.750	241.282	Pass



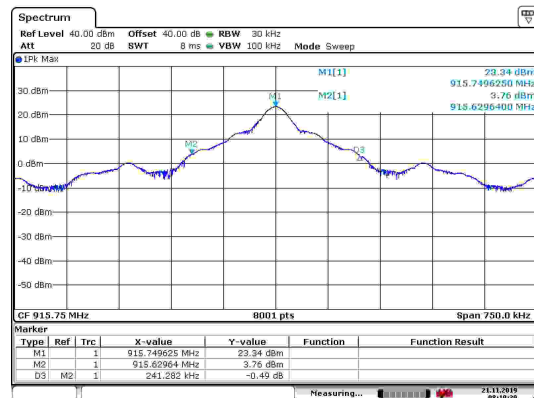
Date: 20.NOV.2019 15:01:01



Date: 20.NOV.2019 15:50:33

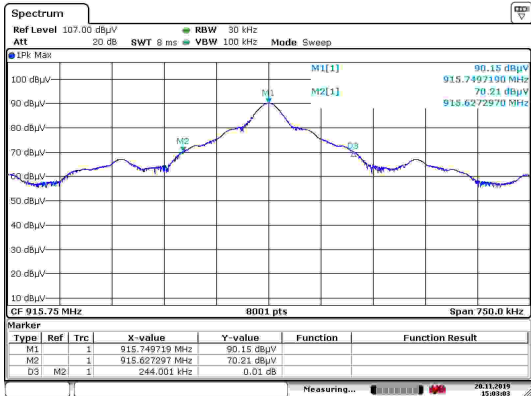


Date: 20.NOV.2019 16:17:04

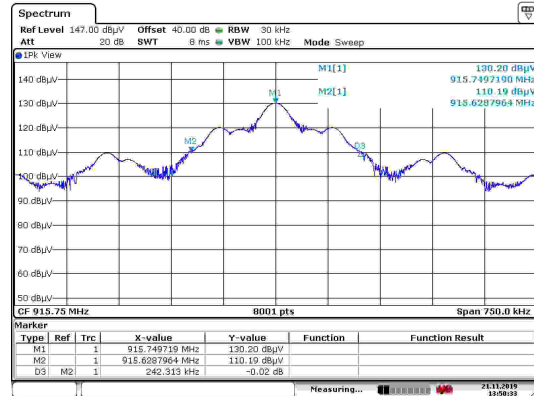


Date: 21.NOV.2019 08:19:40

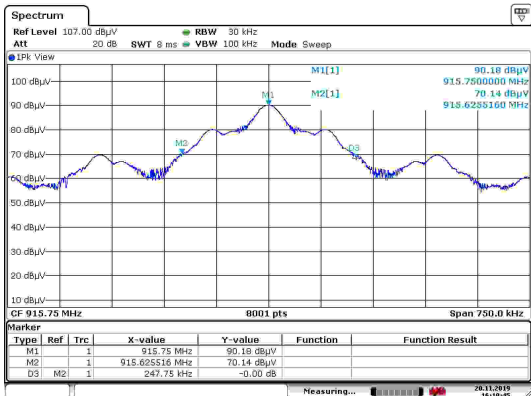
1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>20 dB Single Channel Bandwidth</b>			
DNB Job Number:	06022	Date:	18 Nov 2019		
Customer:	Transcore		<b>Conformance Standard</b>  FCC Part 15		
Model Number:	MPRXFH				
Description:	Multiprotocol Reader Extreme- Frequency Hopper		<b>Clause</b> 15.247(a,1,i)		
<b>Environmental Conditions</b>					
Ambient Temperature		Relative Humidity			
20 °C		24 %			
Barometric Pressure					
101.1 kPa					
EUT performed within the requirements of the applicable standard <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>J Payne</i>					
Port	Channel	Modulation	Chl Freq (MHz)	20dB BW (kHz)	Pass/Fail
0	Mid	Sego	915.750	244.001	Pass
1	Mid	Sego	915.750	242.313	Pass
2	Mid	Sego	915.750	247.750	Pass
3	Mid	Sego	915.750	244.563	Pass



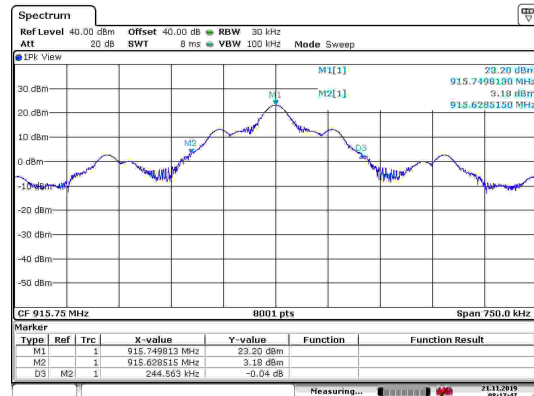
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Date: 21.NOV.2019 13:50:33

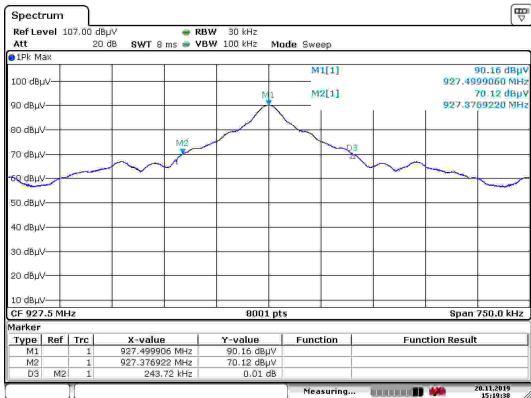


Date: 20.NOV.2019 16:19:45

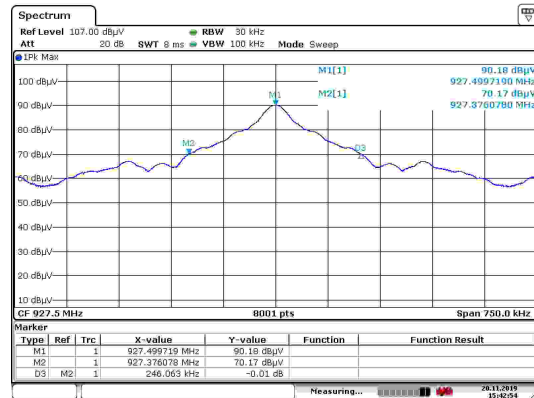


Date: 21.NOV.2019 08:17:40

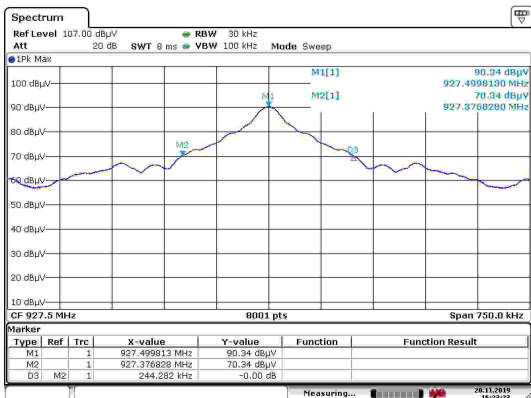
		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>20 dB Single Channel Bandwidth</b>		
DNB Job Number:	06022	Date:	18 Nov 2019	<b>Conformance Standard</b>  FCC Part 15  <b>Clause</b> 15.247(a,1,i)		
Customer:	Transcore					
Model Number:	MPRXFH					
Description:	Multiprotocol Reader Extreme- Frequency Hopper					
<b>Environmental Conditions</b>						
Ambient Temperature		Relative Humidity		Barometric Pressure		
20 °C		24 %		101.1 kPa		
EUT performed within the requirements of the applicable standard [X] Yes [ ] No <i>J Payne</i>						
Port	Channel	Modulation	Chl Freq (MHz)	20dB BW (kHz)	Pass/Fail	
0	High	ego	927.500	243.720	Pass	
1	High	ego	927.500	246.063	Pass	
2	High	ego	927.500	244.282	Pass	
3	High	ego	927.500	245.501	Pass	



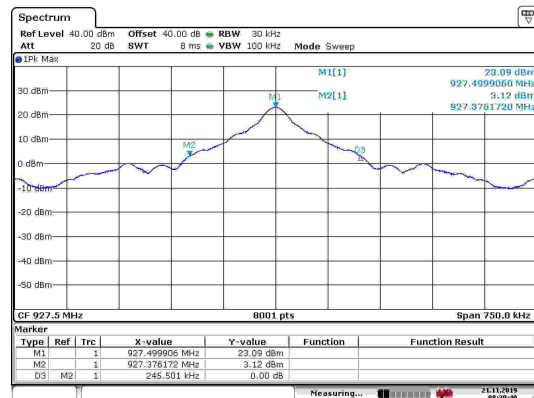
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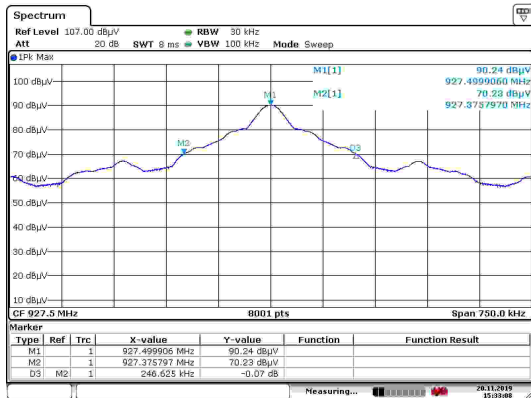


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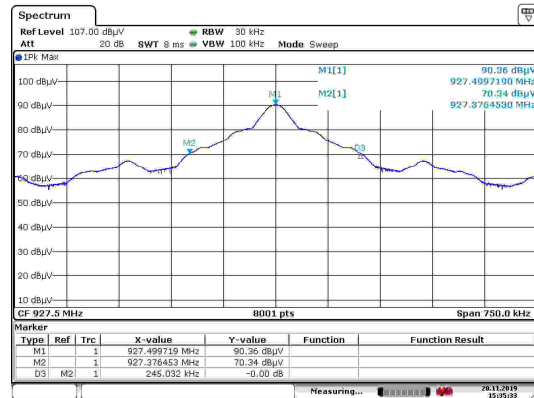


Date: 21.NOV.2019 08:10:49

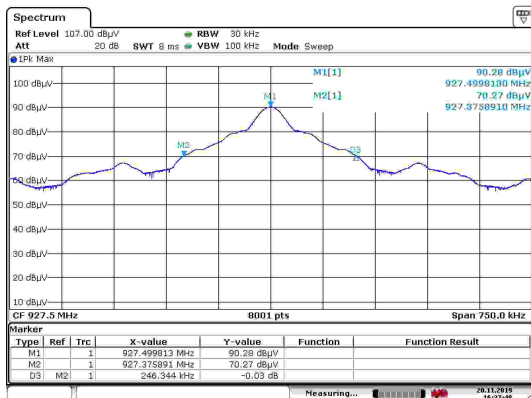
		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>20 dB Single Channel Bandwidth</b>	
DNB Job Number:	06022	Date:	18 Nov 2019	<b>Conformance Standard</b>  FCC Part 15  <b>Clause</b> 15.247(a,1,i)	
Customer:	Transcore				
Model Number:	MPRXFH				
Description:	Multiprotocol Reader Extreme- Frequency Hopper				
<b>Environmental Conditions</b>					
Ambient Temperature		Relative Humidity		Barometric Pressure	
20 °C		24 %		101.1 kPa	
EUT performed within the requirements of the applicable standard [X] Yes [ ] No <i>J Payne</i>					
Port	Channel	Modulation	Chl Freq (MHz)	20dB BW (kHz)	Pass/Fail
0	High	epc	927.500	246.625	Pass
1	High	epc	927.500	245.032	Pass
2	High	epc	927.500	246.344	Pass
3	High	epc	927.500	245.969	Pass



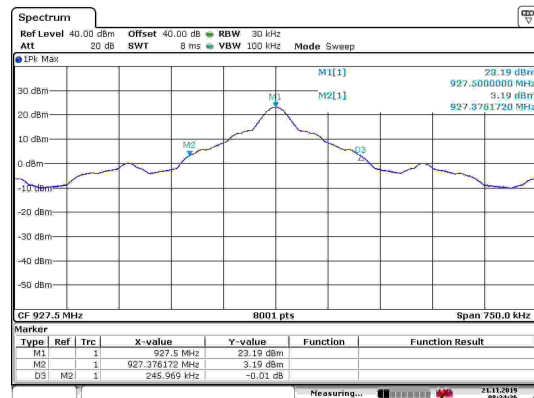
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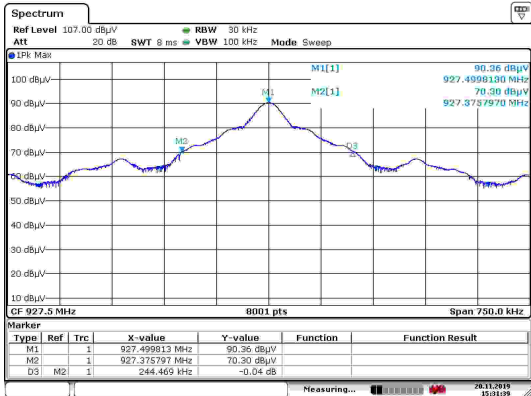


Date: 20.NOV.2019 16:27:40

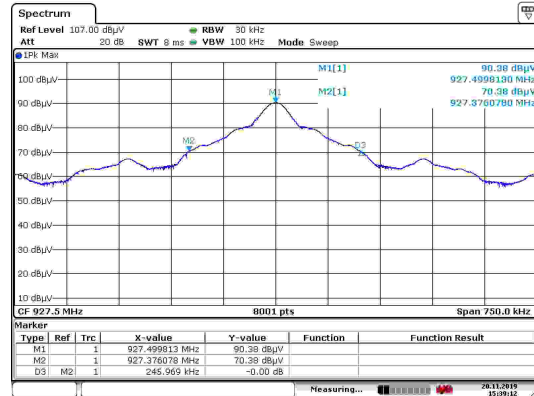


Date: 21.NOV.2019 08:24:36

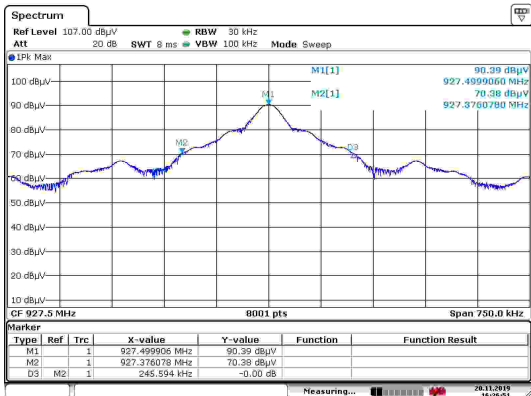
1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>20 dB Single Channel Bandwidth</b>			
DNB Job Number:	06022	Date:	18 Nov 2019		
Customer:	Transcore		<b>Conformance Standard</b>  FCC Part 15		
Model Number:	MPRXFH				
Description:	Multiprotocol Reader Extreme- Frequency Hopper		<b>Clause</b> 15.247(a,1,i)		
<b>Environmental Conditions</b>					
Ambient Temperature		Relative Humidity			
20 °C		24 %			
Barometric Pressure					
101.1 kPa					
EUT performed within the requirements of the applicable standard [X] Yes [ ] No <i>J Payne</i>					
Port	Channel	Modulation	Chl Freq (MHz)	20dB BW (kHz)	Pass/Fail
0	High	iag	927.500	244.469	Pass
1	High	iag	927.500	245.969	Pass
2	High	iag	927.500	245.594	Pass
3	High	iag	927.500	245.219	Pass



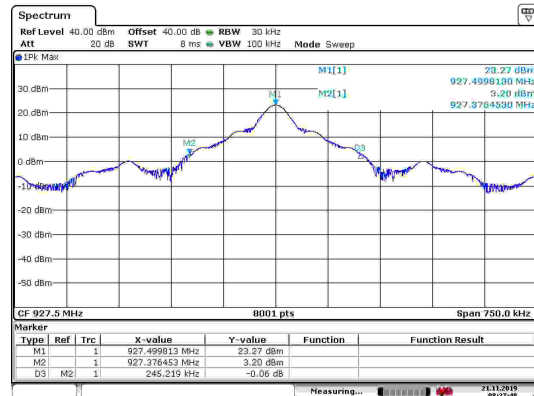
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Date: 20.NOV.2019 15:39:12

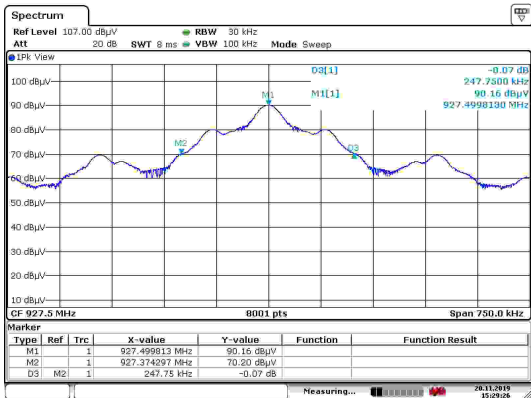


Date: 20.NOV.2019 16:26:51

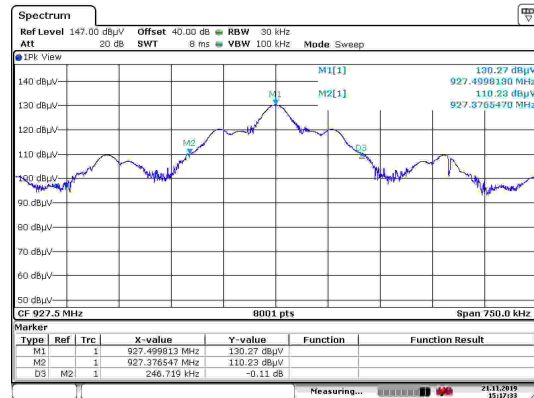


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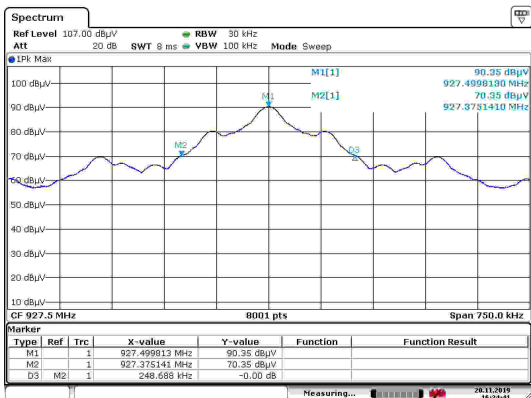
1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>20 dB Single Channel Bandwidth</b>	
DNB Job Number:	06022	Date:	18 Nov 2019
Customer:	Transcore		<b>Conformance Standard</b>  FCC Part 15
Model Number:	MPRXFH		
Description:	Multiprotocol Reader Extreme- Frequency Hopper		<b>Clause</b> 15.247(a,1,i)
<b>Environmental Conditions</b>			
Ambient Temperature		Relative Humidity	
20 °C		24 %	
		Barometric Pressure	
		101.1 kPa	
EUT performed within the requirements of the applicable standard [X] Yes [ ] No <i>J Payne</i>			
Port	Channel	Modulation	Chl Freq (MHz)
0	High	Sego	927.500
1	High	Sego	927.500
2	High	Sego	927.500
3	High	Sego	927.500
			20dB BW (kHz)
			247.750
			246.719
			248.688
			248.406
			Pass/Fail
			Pass
			Pass
			Pass
			Pass



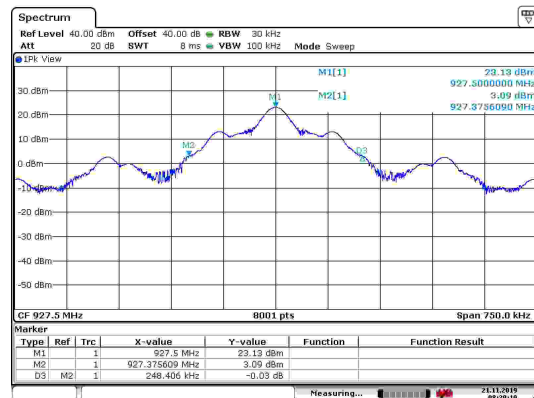
Date: 20.NOV.2019 15:29:26



Date: 21.NOV.2019 15:17:33



Date: 20.NOV.2019 16:24:41



Date: 21.NOV.2019 08:29:19



15.247 (b,2) Maximum Peak Output Power (Conducted)

Test Procedure: ANSI C63.10-2013

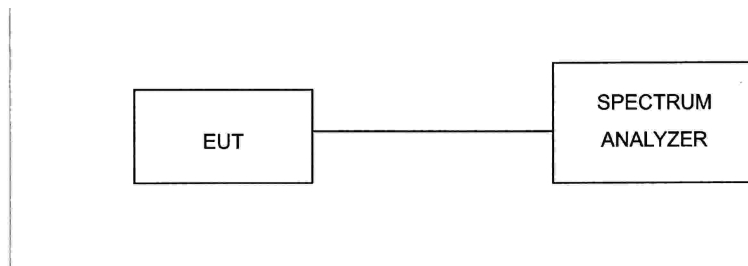
**Peak Output Power**

Per clause 7.8.5

Use a direct connection between the antenna port of the unlicensed wireless device and the spectrum analyzer, through suitable attenuation. The hopping shall be disabled for this test:

- a) Use the following spectrum analyzer settings:
  - 1) Span: Approximately five times the 20 dB bandwidth, centered on a hopping channel.
  - 2) RBW > 20 dB bandwidth of the emission being measured.
  - 3) VBW  $\geq$  RBW.
  - 4) Sweep: Auto.
  - 5) Detector function: Peak.
  - 6) Trace: Max hold.
- b) Allow trace to stabilize.
- c) Use the marker-to-peak function to set the marker to the peak of the emission.
- d) The indicated level is the peak output power, after any corrections for external attenuators and cables.
- e) A plot of the test results and setup description shall be included in the test report.
- f) Note: EUT can not operate simultaneous modes and can only operate on one port at a time.

Test Set Up:



1100 E Chalk Creek Road  
 Coalville, UT 84017  
 (435) 336-4433  
 FAX (435) 336-4436

### Peak Output Power (Cond)

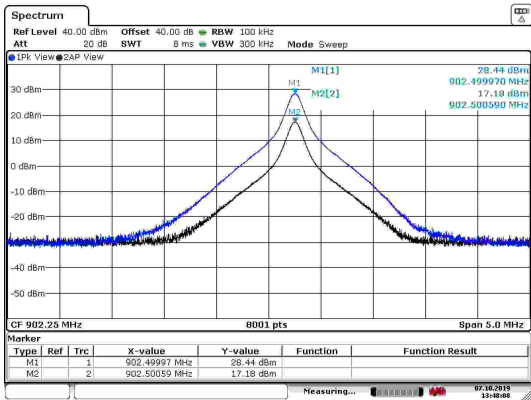
DNB Job Number:	06022	Date:	10 Oct 2019	<b>Conformance Standard</b>  FCC Part 15  <b>Clause</b> 15.247(b,2)
Customer:	Transcore			
Model Number:	MPRXFH			
Description:	Multiprotocol Reader Extreme- Frequency Hopper			

#### Environmental Conditions

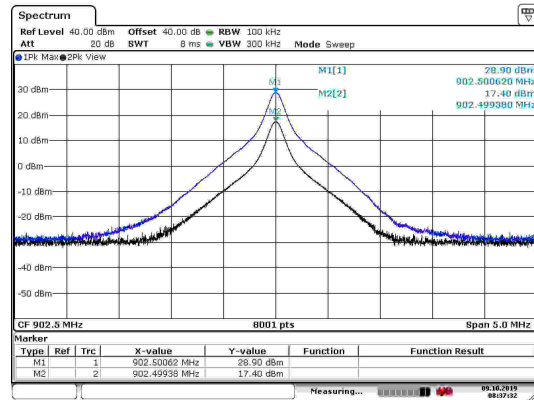
Ambient Temperature	Relative Humidity	Barometric Pressure
24 °C	32 %	101.30 kPa

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

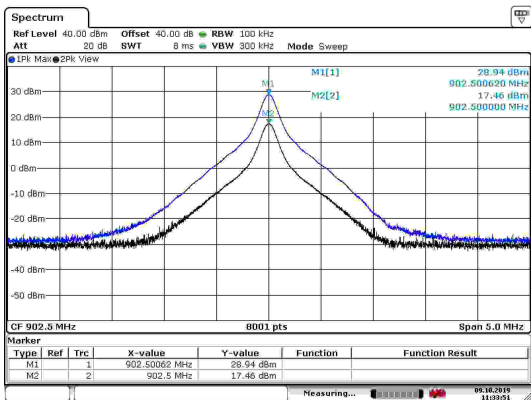
Port	Channel	Mod	Freq (MHz)	Meas Peak Pwr (dBm)	Limit (dBm)	Delta (dBm)	Meas Peak Pwr (mW)	Limit (mW)	Delta (mW)	Pass/Fail
0	Low	ego	902.500	28.44	30.00	-1.56	698.232	1000	-302	Pass
1	Low	ego	902.500	28.90	30.00	-1.10	776.247	1000	-224	Pass
2	Low	ego	902.500	28.94	30.00	-1.06	783.430	1000	-217	Pass
3	Low	ego	902.500	28.90	30.00	-1.10	776.247	1000	-224	Pass



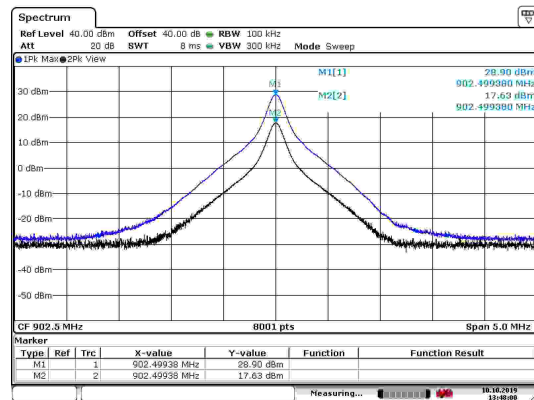
Date: 7.OCT.2019 13:48:09



Date: 9.OCT.2019 08:37:32



Date: 9.OCT.2019 11:33:51



Date: 10.OCT.2019 13:48:00

1100 E Chalk Creek Road  
 Coalville, UT 84017  
 (435) 336-4433  
 FAX (435) 336-4436

### Peak Output Power (Cond)

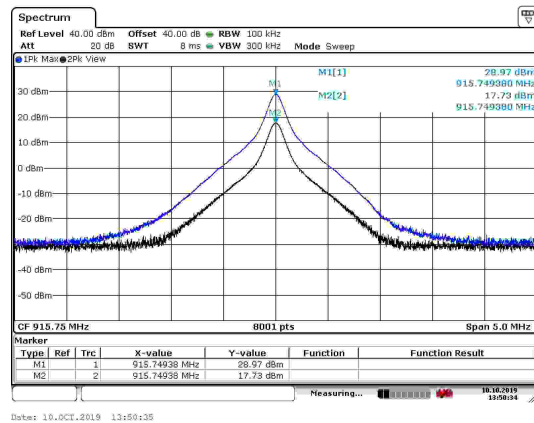
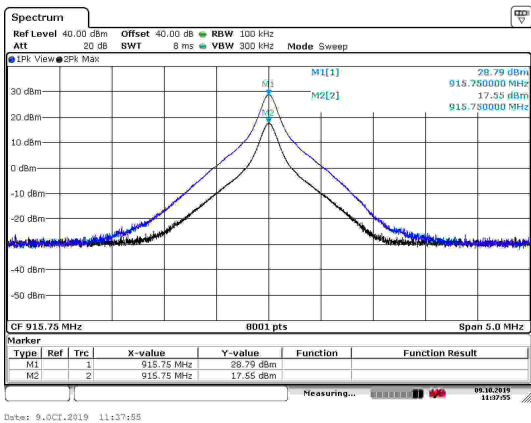
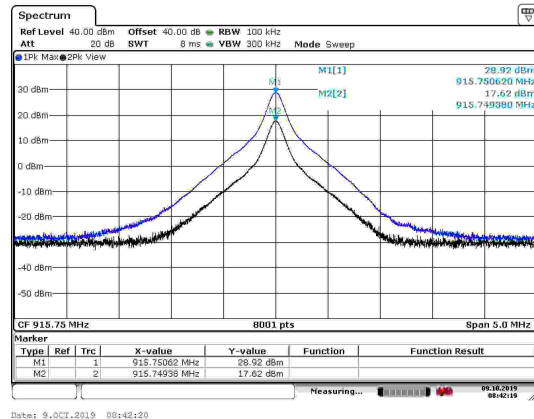
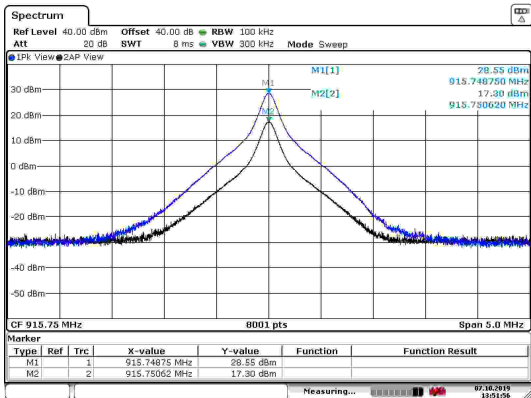
DNB Job Number:	06022	Date:	10 Oct 2019	<b>Conformance Standard</b>  FCC Part 15  <b>Clause</b> 15.247(b,2)
Customer:	Transcore			
Model Number:	MPRXFH			
Description:	Multiprotocol Reader Extreme- Frequency Hopper			

#### 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	ego	915.750	28.55	30	-1.45	716.143	1000	-284	Pass
1	Mid	ego	915.750	28.92	30	-1.08	779.830	1000	-220	Pass
2	Mid	ego	915.750	28.79	30	-1.21	756.833	1000	-243	Pass
3	Mid	ego	915.750	28.97	30	-1.03	788.860	1000	-211	Pass



1100 E Chalk Creek Road  
 Coalville, UT 84017  
 (435) 336-4433  
 FAX (435) 336-4436

### Peak Output Power (Cond)

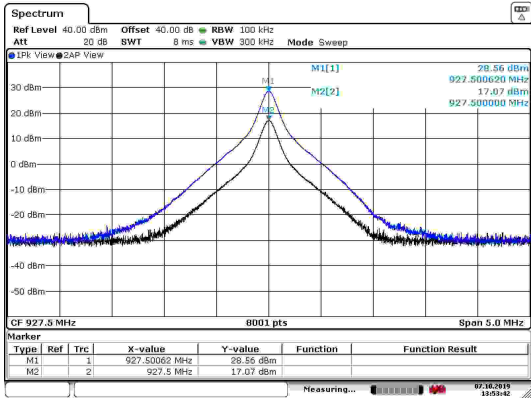
DNB Job Number:	06022	Date:	10 Oct 2019	<b>Conformance Standard</b>  FCC Part 15  <b>Clause</b> 15.247(b,2)
Customer:	Transcore			
Model Number:	MPRXFH			
Description:	Multiprotocol Reader Extreme- Frequency Hopper			

#### Environmental Conditions

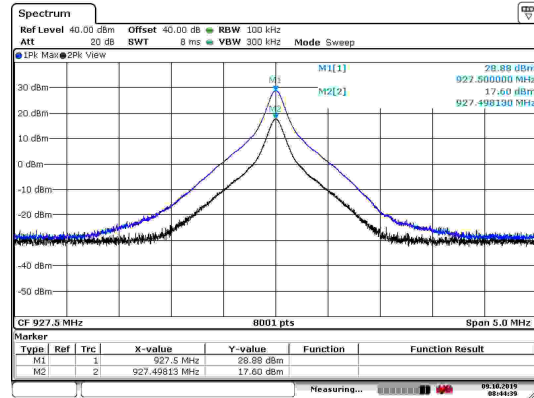
Ambient Temperature	Relative Humidity	Barometric Pressure
24 °C	32 %	101.30 kPa

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

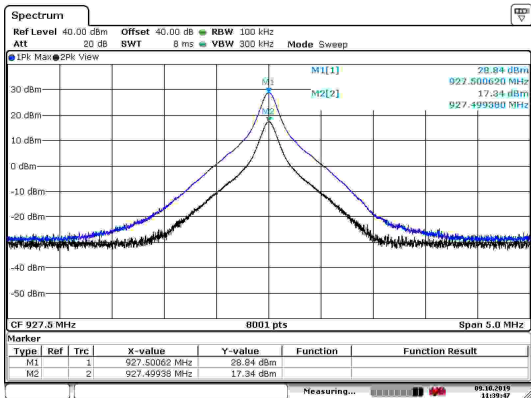
Port	Channel	Mod	Freq (MHz)	Meas Peak Pwr (dBm)	Limit (dBm)	Delta (dBm)	Meas Peak Pwr (mW)	Limit (mW)	Delta (mW)	Pass/Fail
0	High	ego	927.500	28.56	30	-1.44	717.794	1000	-282	Pass
1	High	ego	927.500	28.88	30	-1.12	772.681	1000	-227	Pass
2	High	ego	927.500	28.84	30	-1.16	765.597	1000	-234	Pass
3	High	ego	927.500	29.04	30	-0.96	801.678	1000	-198	Pass



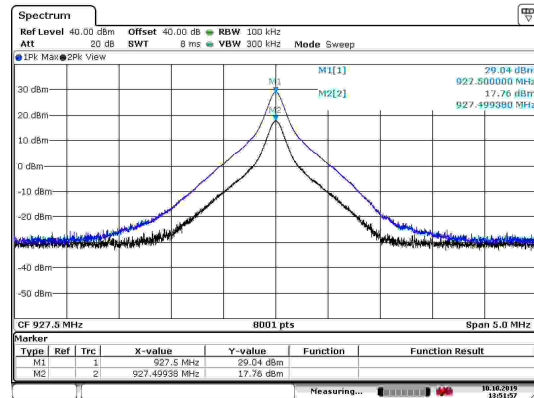
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Date: 9.OCT.2019 08:44:40



Date: 9.OCT.2019 11:39:40



Date: 10.OCT.2019 13:51:50

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### Peak Output Power (Cond)

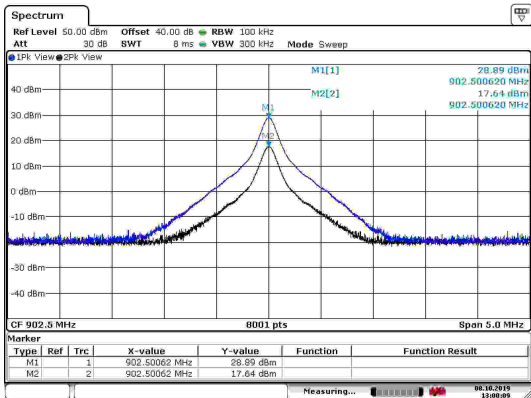
DNB Job Number:	06022	Date:	10 Oct 2019	<b>Conformance Standard</b>  FCC Part 15  <b>Clause</b> 15.247(b,2)
Customer:	Transcore			
Model Number:	MPRXFH			
Description:	Multiprotocol Reader Extreme- Frequency Hopper			

#### Environmental Conditions

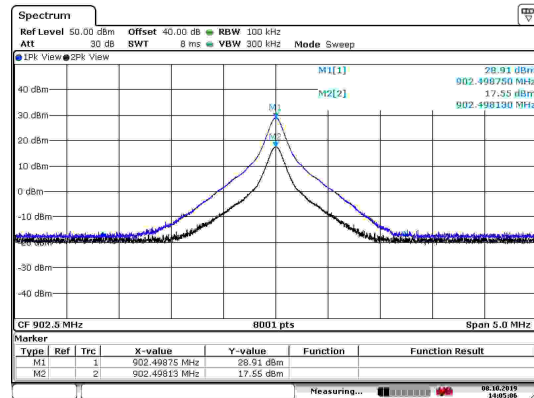
Ambient Temperature	Relative Humidity	Barometric Pressure
24 °C	32 %	101.30 kPa

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

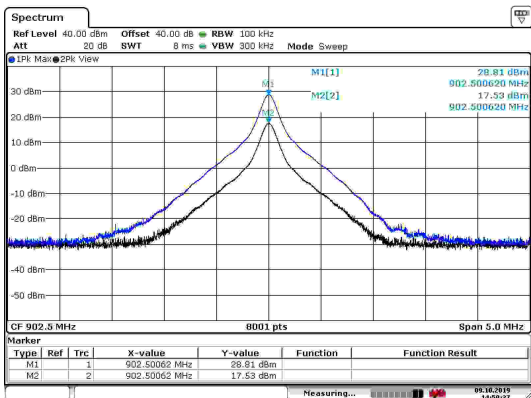
Port	Channel	Mod	Freq (MHz)	Meas Peak Pwr (dBm)	Limit (dBm)	Delta (dBm)	Meas Peak Pwr (mW)	Limit (mW)	Delta (mW)	Pass/Fail
0	Low	epc	902.500	28.89	30	-1.11	774.462	1000	-226	Pass
1	Low	epc	902.500	28.91	30	-1.09	778.037	1000	-222	Pass
2	Low	epc	902.500	28.81	30	-1.19	760.326	1000	-240	Pass
3	Low	epc	902.500	28.85	30	-1.15	767.361	1000	-233	Pass



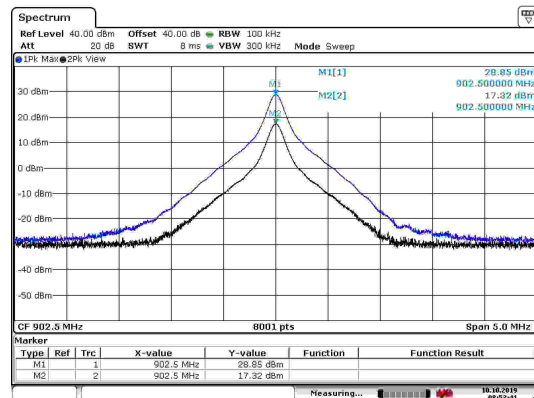
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Date: 8.OCT.2019 14:05:06



Date: 9.OCT.2019 14:50:37



Date: 10.OCT.2019 08:53:41

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### Peak Output Power (Cond)

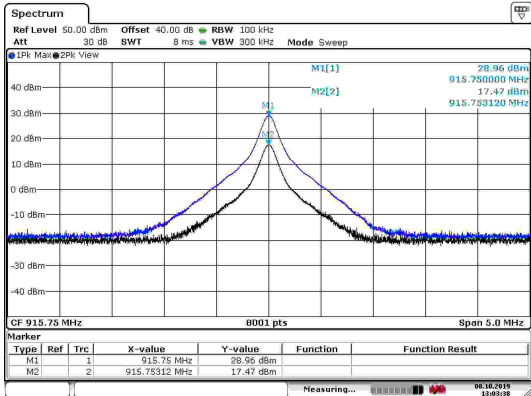
DNB Job Number:	06022	Date:	10 Oct 2019	<b>Conformance Standard</b>  FCC Part 15  <b>Clause</b> 15.247(b,2)
Customer:	Transcore			
Model Number:	MPRXFH			
Description:	Multiprotocol Reader Extreme- Frequency Hopper			

#### Environmental Conditions

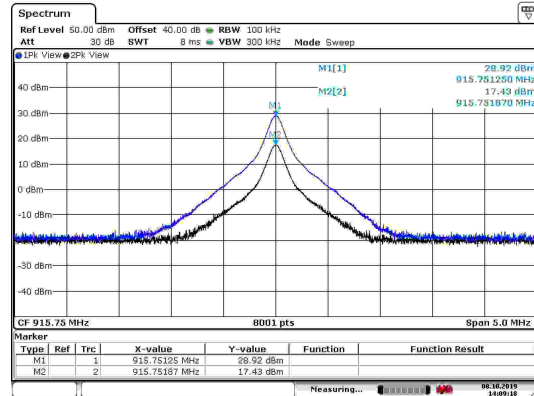
Ambient Temperature	Relative Humidity	Barometric Pressure
24 °C	32 %	101.30 kPa

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

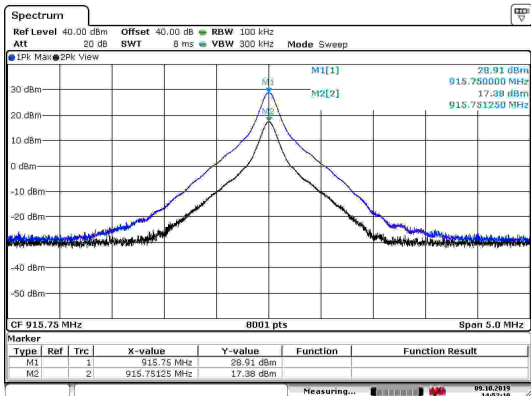
Port	Channel	Mod	Freq (MHz)	Meas Peak Pwr (dBm)	Limit (dBm)	Delta (dBm)	Meas Peak Pwr (mW)	Limit (mW)	Delta (mW)	Pass/Fail
0	Mid	epc	915.750	28.96	30	-1.04	787.046	1000	-213	Pass
1	Mid	epc	915.750	28.92	30	-1.08	779.830	1000	-220	Pass
2	Mid	epc	915.750	28.91	30	-1.09	778.037	1000	-222	Pass
3	Mid	epc	915.750	28.92	30	-1.08	779.830	1000	-220	Pass



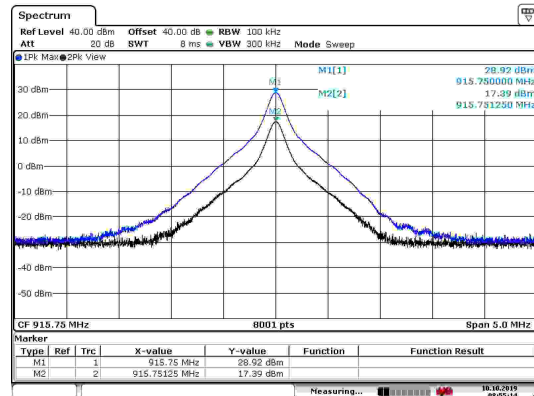
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Date: 8.OCT.2019 14:09:18



Date: 9.OCT.2019 14:52:20



Date: 10.OCT.2019 08:55:14

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### Peak Output Power (Cond)

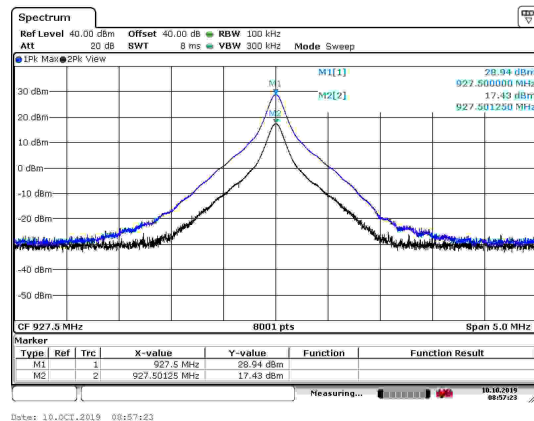
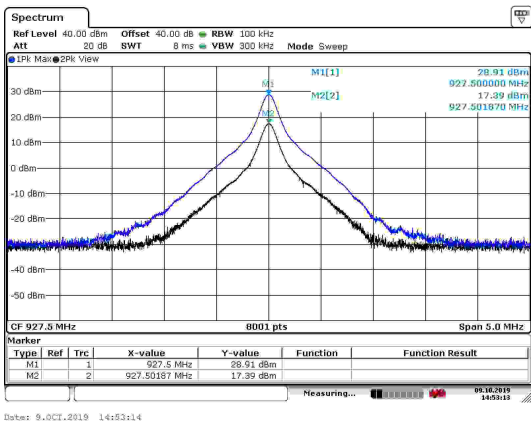
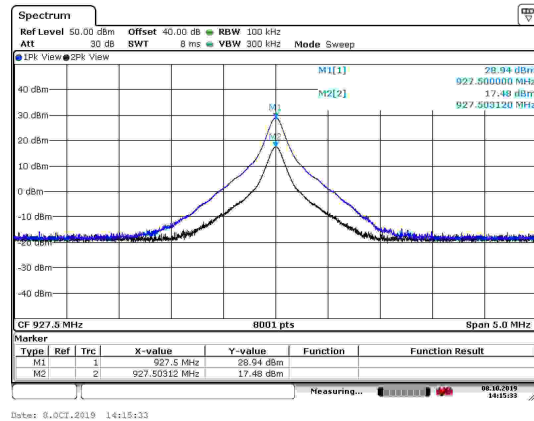
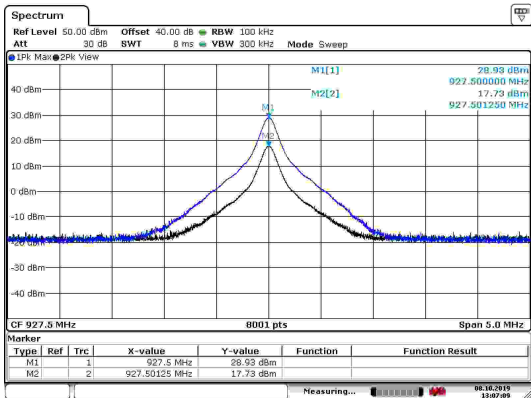
DNB Job Number:	06022	Date:	10 Oct 2019	<b>Conformance Standard</b>  FCC Part 15  <b>Clause</b> 15.247(b,2)
Customer:	Transcore			
Model Number:	MPRXFH			
Description:	Multiprotocol Reader Extreme- Frequency Hopper			

#### 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	epc	927.500	28.93	30	-1.07	781.628	1000	-218	Pass
1	High	epc	927.500	28.94	30	-1.06	783.430	1000	-217	Pass
2	High	epc	927.500	28.91	30	-1.09	778.037	1000	-222	Pass
3	High	epc	927.500	28.94	30	-1.06	783.430	1000	-217	Pass



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### Peak Output Power (Cond)

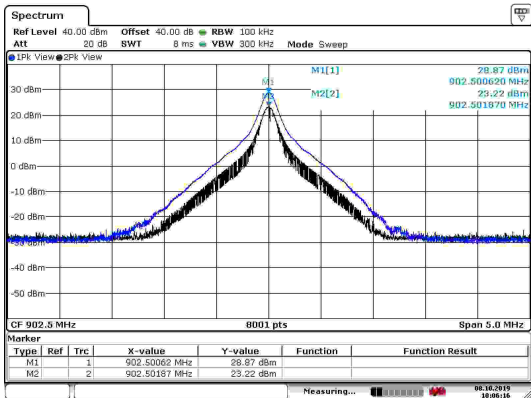
DNB Job Number:	06022	Date:	10 Oct 2019	<b>Conformance Standard</b>  FCC Part 15  <b>Clause</b> 15.247(b,2)
Customer:	Transcore			
Model Number:	MPRXFH			
Description:	Multiprotocol Reader Extreme- Frequency Hopper			

#### Environmental Conditions

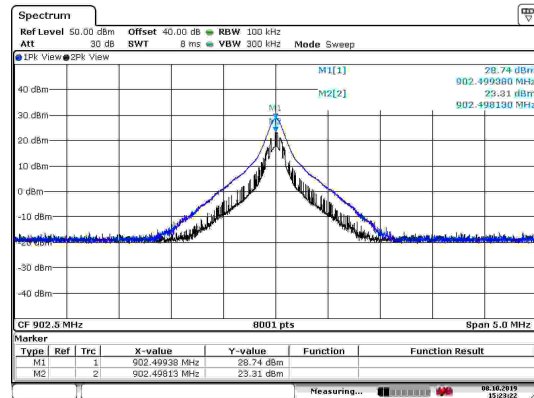
Ambient Temperature	Relative Humidity	Barometric Pressure
24 °C	32 %	101.30 kPa

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

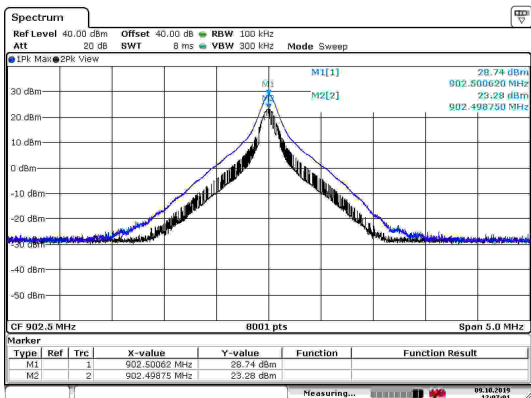
Port	Channel	Mod	Freq (MHz)	Meas Peak Pwr (dBm)	Limit (dBm)	Delta (dBm)	Meas Peak Pwr (mW)	Limit (mW)	Delta (mW)	Pass/Fail
0	Low	iag	902.500	28.87	30	-1.13	770.903	1000	-229	Pass
1	Low	iag	902.500	28.74	30	-1.26	748.170	1000	-252	Pass
2	Low	iag	902.500	28.74	30	-1.26	748.170	1000	-252	Pass
3	Low	iag	902.500	28.89	30	-1.11	774.462	1000	-226	Pass



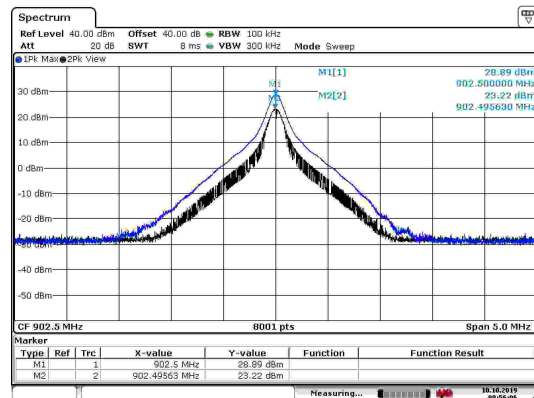
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Date: 8.OCT.2019 15:23:22



Date: 9.OCT.2019 12:07:02



Date: 10.OCT.2019 09:56:07



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### Peak Output Power (Cond)

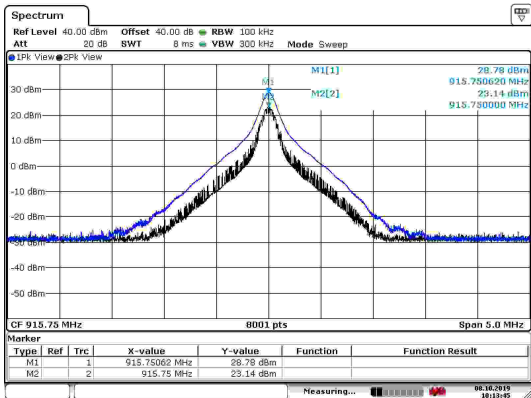
DNB Job Number:	06022	Date:	10 Oct 2019	<b>Conformance Standard</b>  FCC Part 15  <b>Clause</b> 15.247(b,2)
Customer:	Transcore			
Model Number:	MPRXFH			
Description:	Multiprotocol Reader Extreme- Frequency Hopper			

#### Environmental Conditions

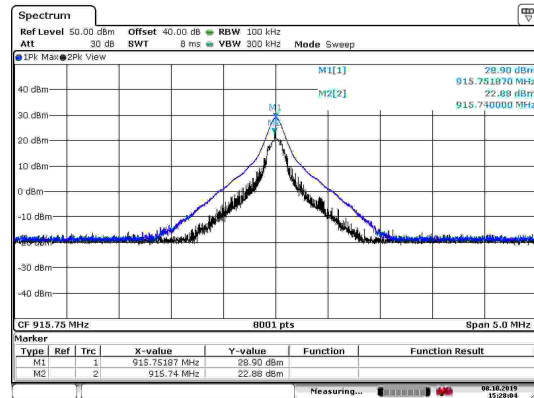
Ambient Temperature	Relative Humidity	Barometric Pressure
24 °C	32 %	101.30 kPa

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

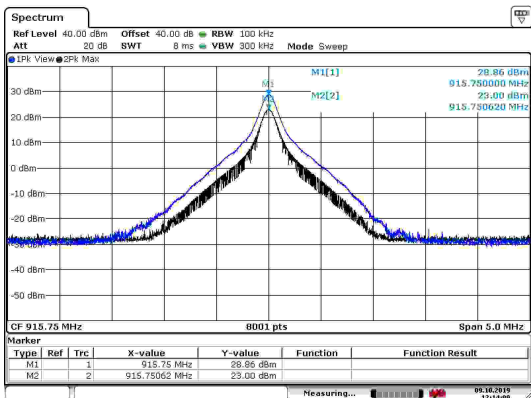
Port	Channel	Mod	Freq (MHz)	Meas Peak Pwr (dBm)	Limit (dBm)	Delta (dBm)	Meas Peak Pwr (mW)	Limit (mW)	Delta (mW)	Pass/Fail
0	Mid	iag	915.750	28.78	30	-1.22	755.092	1000	-245	Pass
1	Mid	iag	915.750	28.90	30	-1.1	776.247	1000	-224	Pass
2	Mid	iag	915.750	28.86	30	-1.14	769.130	1000	-231	Pass
3	Mid	iag	915.750	28.76	30	-1.24	751.623	1000	-248	Pass



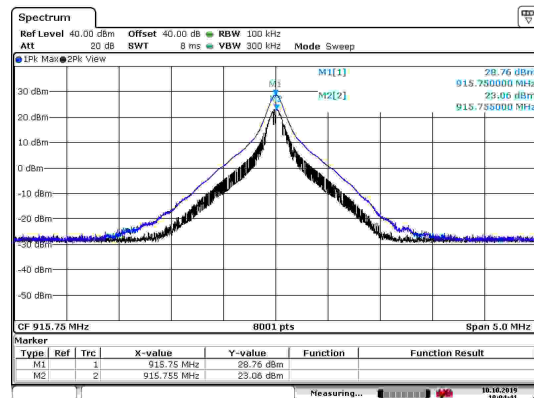
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Date: 9.OCT.2019 12:14:01



Date: 10.OCT.2019 10:04:41