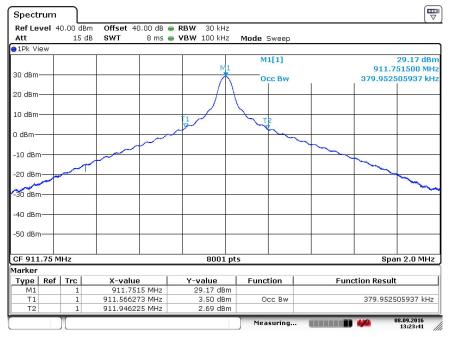


Occupied Bandwidth

DNB Jol	o Number:	76033			Date	:	8 Sep 2016		Conformance	
Custome	r:	Transcore	Transcore						Standard FCC Part 90 RSS-137	
Model N	lumber:	MPRX	MPRX							
Descript	ion:	Multiprotocol Reader Extreme						Ъ	Clause	
		Part 90.209 RSS-137 cl. 6.1								
Ambient Temperature Relative Hu					nidity		Barometric Pressure			
19 °C 28 %								101.8	kPa	
EUT performed within the requirements of the applicable standard [X] Yes [] No Les Payne										
BAND	CHANNEL	FREQ IN	MHZ	MODULATI	ON	0	BW in kHz		RESULT	
High	Low	911.750 IAG			379.952505937			Pass		

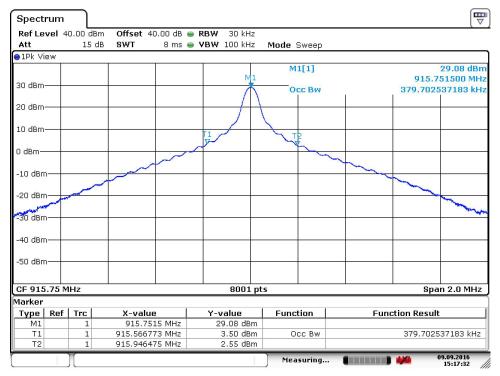


Date: 8.SEP.2016 13:23:42



Occupied Bandwidth

DNB Job	Number:	76033	76033			»:	9 Sep 2016		Conformance	
Custome	r:	Transcore	Transcore						Standard FCC Part 90	
Model N	umber:	MPRX	MPRX					RS	RSS-137	
Descripti	on:	Multiprotocol Reader Extreme						Paı	Clause rt 90.209	
									RSS-137 cl. 6.1	
A	mbient Tempera		Relative Hur	nidity		Barometric Pressure				
19 °C				28 %			101.8 kPa			
EUT performed within the requirements of the applicable standard [X] Yes [] No Les Payne										
BAND	CHANNEL	FREQ IN MHZ		MODULATI	ON	O	OBW in kHz		RESULT	
High	Middle	915.750		IAG		379.702537183			Pass	

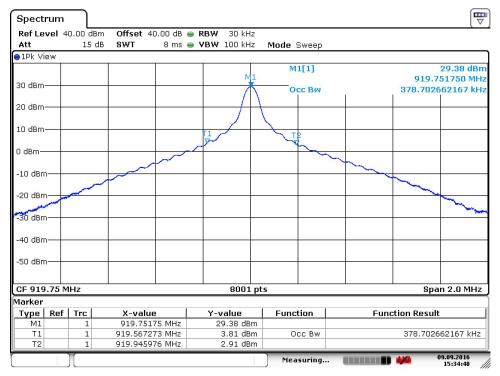


Date: 9.SEP.2016 15:17:33



Occupied Bandwidth

DNB Job	Number:	76033	76033				9 Sep 2016		Conformance	
Custome	r:	Transcore	Transcore						Standard FCC Part 90	
Model N	umber:	MPRX	MPRX						S-137	
Description: Multiprotocol Reader Extreme								Clause		
									t 90.209 S-137 cl. 6.1	
Ambient Temperature				Relative Hur	nidity		Barometric Pressure			
19 °C				28 %			101.8 kPa			
EUT performed within the requirements of the applicable standard [X] Yes [] No Les Payne										
BAND	CHANNEL	FREQ IN	MHZ	MODULATI	ON	0	BW in kHz		RESULT	
High	High	919.75)	IAG		378	3.702662167		Pass	

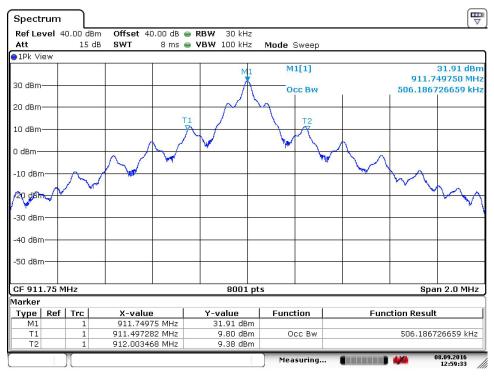


Date: 9.SEP.2016 15:34:49



Occupied Bandwidth

DNB Job Number: 76033 Date: 8 Sep 2016 Conformance Standard FCC Part 90 RSS-137 Model Number: MPRX RSS-137 Description: Multiprotocol Reader Extreme Clause Part 90.209 RSS-137 cl. 6.1 Ambient Temperature Relative Humidity Barometric Pressure 19 °C 28 % 101.8 kPa								•		
Customer: Transcore FCC Part 90 Model Number: MPRX Description: Multiprotocol Reader Extreme Multiprotocol Reader Extreme Clause Part 90.209 RSS-137 cl. 6.1 Ambient Temperature Relative Humidity Barometric Pressure 19 °C 28 % 101.8 kPa	DNB Job Number	er:	76033	76033			:	8 Sep 201	6	
Description: Multiprotocol Reader Extreme Clause Part 90.209 RSS-137 cl. 6.1 Ambient Temperature Relative Humidity Barometric Pressure 19 °C 28 % 101.8 kPa	Customer:		Transcore						FC	
Part 90.209 RSS-137 cl. 6.1 Ambient Temperature Relative Humidity Barometric Pressure 19 °C 28 % 101.8 kPa	Model Number:		MPRX	MPRX						SS-137
RSS-137 cl. 6.1 Ambient Temperature Relative Humidity Barometric Pressure 19 °C 28 % 101.8 kPa	Description: Multiprotocol Reader Extreme							0		
19 °C 28 % 101.8 kPa										
	Ambient Temperature Rela				Relative Hun	nidity		Barometric Pressure		
	19 °C				28 %			101.8 kPa		
EUT performed within the requirements of the applicable standard [X] Yes [] No Les Payne										
BAND CHANNEL FREQ IN MHZ MODULATION OBW in kHz RESULT	BAND CHAN	INEL	FREQ IN	MHZ	MODULATI	ON	Ol	BW in kHz		RESULT
High Low 911.750 SeGo 506.186726659 Pass	High Lov	W	911.750)	SeGo		506	5.186726659		Pass

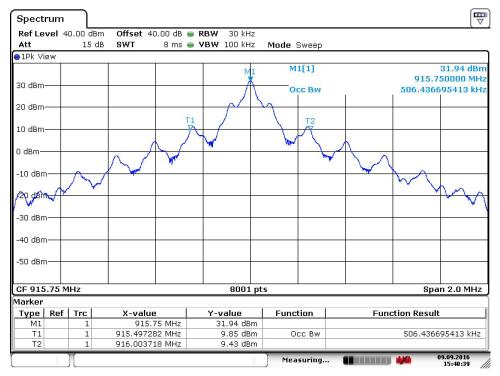


Date: 8.SEP.2016 12:59:34



Occupied Bandwidth

							1			
DNB Jol	b Number:	76033	76033			»:	9 Sep 2016		Conformance	
Custome	er:	Transcore						FC	Standard FCC Part 90	
Model N	lumber:	MPRX	MPRX					RS	S-137	
Descript	ion:	Multiprotoc	Multiprotocol Reader Extreme						Clause Part 90.209	
		RSS-137 cl. (
Ambient Temperature I				Relative Hur	nidity		Barometric Pressure			
19 °C 28 %							1	101.8	kPa	
EUT performed within the requirements of the applicable standard [X] Yes [] No Les Payne										
BAND	CHANNEL	FREQ IN I	MHZ	MODULATI	ON	01	BW in kHz		RESULT	
High	Middle	915.750		SeGo		506.436695413			Pass	

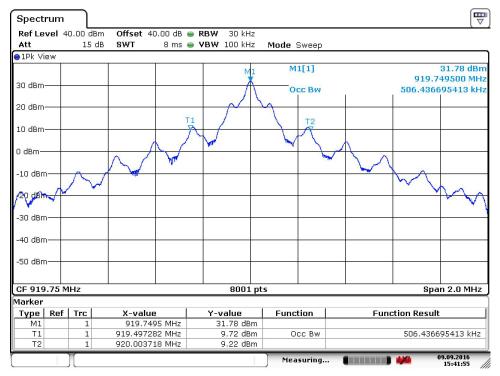


Date: 9.SEP.2016 15:40:40



Occupied Bandwidth

							1			
DNB Jol	b Number:	76033			Date	:	9 Sep 2016		Conformance	
Custome	er:	Transcore						FC	Standard FCC Part 90	
Model N	lumber:	MPRX	MPRX					RS	RSS-137	
Descript	ion:	Multiprotocol Reader Extreme						Clause		
			- "						Part 90.209 RSS-137 cl. 6.1	
Ambient Temperature				Relative Hur	nidity		Barometric Pressure			
19 °C 28							1	101.8	kPa	
EUT performed within the requirements of the applicable standard [X] Yes [] No Les Payne										
BAND	CHANNEL	FREQ IN	MHZ	MODULATI	ON	01	BW in kHz		RESULT	
High	High	919.750 SeGo			506.436695413			Pass		



Date: 9.SEP.2016 15:41:56

2.1051 Spurious Emissions at Antenna Terminals

The radio frequency voltage or powers generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. Curves or equivalent data shall show the magnitude of each harmonic and other spurious emission that can be detected when the equipment is operated under the conditions specified in §2.1049 as appropriate. The magnitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be specified.

The peak power of any emission shall be attenuated below the power of the highest emission contained within the licensee's sub-band in accordance with the following schedule:

Test Procedure: ANSI C63.10-2013

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.

Limit: Spurious emissions must be attenuated below the peak output power by at least: $55 + 10 \log(P) dB$

where (P) is the highest emission (watts) of the transmitter inside the licensee's sub-band.

Peak Output Power = 1.6 W

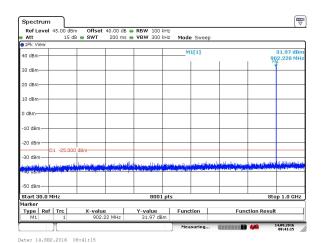
Attenuation = $55 + 10 \log(P) dB$ = $55 + 10 \log(1.6) dB$ = 57 dBc

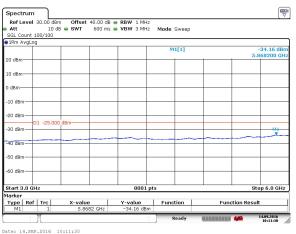


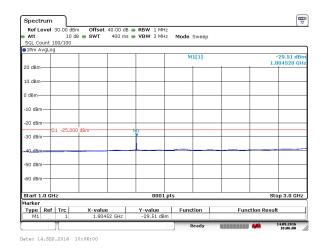
Spurious Emissions (Conducted)

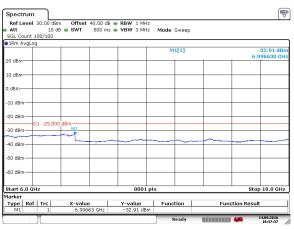
DNB Job Number:	76033	Date:	14 Sep 2016	Conformance		
Customer:	Transcore	Standard FCC Part 90				
Model Number:	MPRX	RSS-137				
Description:	Multiprotocol Reader Extreme	Clause 90.210 (k) RSS-137 cl 6.5.3				

LEGEND TO PLOTS BELOW						
ATA - Low Band - Low Channel - 30 to 1000 MHz	ATA - Low Band - Low Channel - 1 to 3 GHz					
ATA - Low Band - Low Channel - 3 to 6 GHz	ATA - Low Band - Low Channel - 6 to 10 GHz					







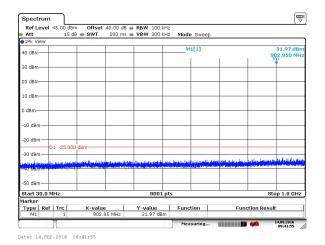


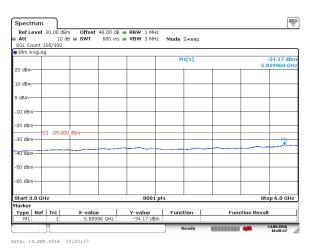
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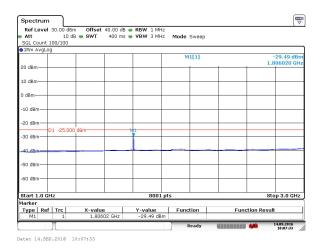


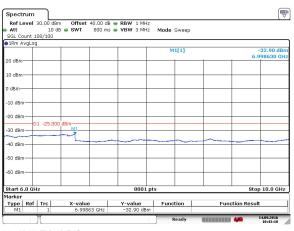
		_		
DNB Job Number:	76033	14 Sep 2016	Conformance	
Customer:	Transcore	Standard FCC Part 90		
Model Number:	MPRX	RSS-137		
Description:	Clause			
	90.210 (k) RSS-137 cl 6.5.3			

LEGEND TO PLOTS BELOW						
ATA - Low Band - Middle Channel - 30 to 1000 MHz	ATA - Low Band - Middle Channel - 1 to 3 GHz					
ATA - Low Band - Middle Channel - 3 to 6 GHz	ATA - Low Band - Middle Channel - 6 to 10 GHz					





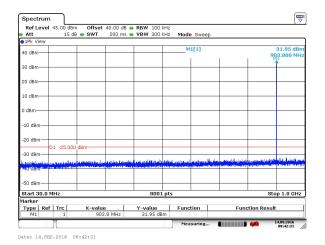


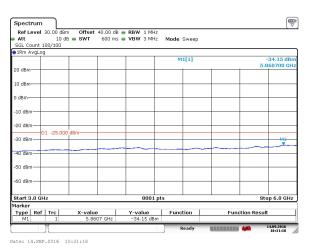


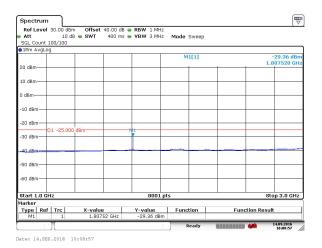


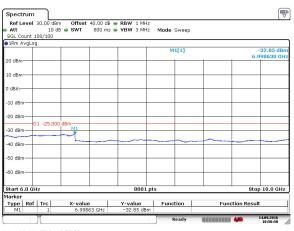
DNB Job Number:	76033	Date:	14 Sep 2016	Conformance
Customer:	Transcore	Standard FCC Part 90		
Model Number:	MPRX	RSS-137		
Description:	Multiprotocol Reader Extreme	Clause 90.210 (k) RSS-137 cl 6.5.3		

LEGEND TO PLOTS BELOW						
ATA - Low Band - High Channel - 30 to 1000 MHz	ATA - Low Band - High Channel - 1 to 3 GHz					
ATA - Low Band - High Channel - 3 to 6 GHz	ATA - Low Band - High Channel - 6 to 10 GHz					





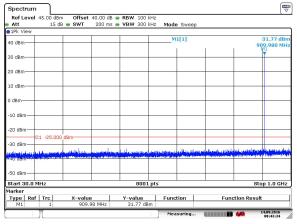






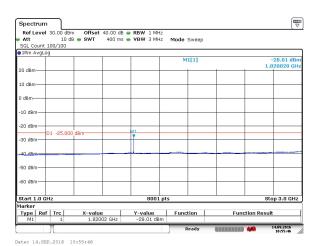
DNB Job Number:	76033	Date:	Conformance	
Customer:	Transcore		Standard FCC Part 90 RSS-137	
Model Number:	MPRX			
Description:	Multiprotocol Reader Extreme		Clause 90.210 (k) RSS-137 cl 6.5.3	
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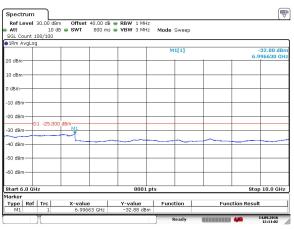
LEGEND TO PLOTS BELOW	
ATA - High Band - Low Channel - 30 to 1000 MHz	ATA - High Band - Low Channel - 1 to 3 GHz
ATA - High Band - Low Channel - 3 to 6 GHz	ATA - High Band - Low Channel - 6 to 10 GHz







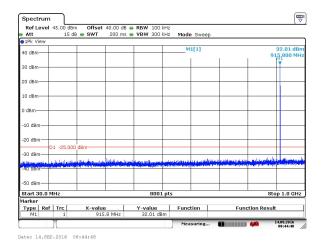


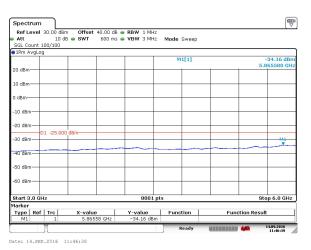


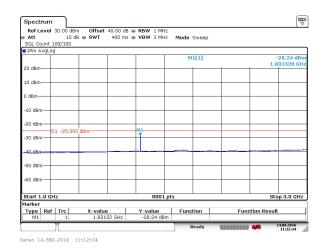


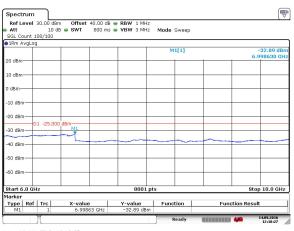
		_			
DNB Job Number:	76033	Date:	14 Sep 2016	Conformance	
Customer:	Transcore			Standard FCC Part 90	
Model Number:	MPRX			RSS-137	
Description:	Multiprotocol Reader Extreme			Clause	
				90.210 (k) RSS-137 cl 6.5.3	

LEGEND TO PLOTS BELOW	
ATA - High Band - Middle Channel - 30 to 1000 MHz	ATA - High Band - Middle Channel - 1 to 3 GHz
ATA - High Band - Middle Channel - 3 to 6 GHz	ATA - High Band - Middle Channel - 6 to 10 GHz











DNB Job Number:	76033	Date:	14 Sep 2016	Conformance	
Customer:	Transcore			Standard FCC Part 90 RSS-137	
Model Number:	MPRX				
Description:	Multiprotocol Reader Extreme			Clause 90.210 (k) RSS-137 cl 6.5.3	

LEGEND TO PLOTS BELOW	
ATA - High Band - High Channel - 30 to 1000 MHz	ATA - High Band - High Channel - 1 to 3 GHz
ATA - High Band - High Channel - 3 to 6 GHz	ATA - High Band - High Channel - 6 to 10 GHz

