

Report Reference ID:
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Test specification:	Title 47 – Telecommunication Chapter I – Federal Communications Commission Subchapter D – Safety and special radio services Part 90 – Private land mobile services Subpart I – General technical standards
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Applicant:	TEKO Telecom Srl. Via Meucci, 24/a I-40024 Castel S. Pietro Terme (BO) (Italy)
Apparatus:	Medium Power Remote Unit
Model:	TRM7E8AE19HAWX23AT
FCC ID:	XM2-MP6B

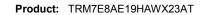
Testing laboratory:	Nemko Italy Spa Via del Carroccio, 4 20853 Biassono (MB) – Italy Telephone: +39 039 2201201 Facsimile: +39 039 2201221
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	Name and title D	
Tested by:	Curioris	06/29/2017
	G. Curioni, Wireless/EMC Specialist	00/20/2011
Reviewed by:	Bulu Part	06/29/2017
rionou by.	P. Barbieri, Wireless/EMC Specialist	03/20/2011

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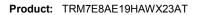
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# Section 1: Report summary

### 1.1 Test specification

**Specifications** 

Part 90 - Private land mobile services

# 1.2 Statement of compliance

#### Compliance

In the configuration tested the EUT was found compliant

Yes ⊠ No □

This report contains an assessment of apparatus against specifications based upon tests carried out on samples submitted at Nemko Canada Inc. These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with Part 90. Radiated tests were conducted in accordance with ANSI C63.4-2003.

#### 1.3 Exclusions

Exclusions

None

### 1.4 Registration number

Test site FCC
ID number

176392 (3 m Semi anechoic chamber)

# 1.5 Test report revision history

Revision #	Details of changes made to test report
TRF	Original report issued
R1TRF	

# 1.6 Limits of responsibility

Note that the results contained in this report relate only to the items tested and were obtained in the period between the date of initial receipt of samples and the date of issue of the report.

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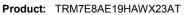


# Section 2: Summary of test results

2.1 FCC	Part 90, test re	esults	
Part	Methods	Test description	Verdict
	§ 935210 D05v01r01 (4.2)	AGC threshold	Pass
	§ 935210 D05v01r01 (4.3)	Out of band rejection	Pass
§90.209 §90.219(e)(4)	§ 935210 D05v01r01 (4.4)	Occupied bandwidth	Pass
§90.205 §90.542(a)(3) §90.219(e)(1)	§ 935210 D05v01r01 (4.5)	Output power at RF antenna connector	Pass
§90.219(e)(2)	§ 935210 D05v01r01 (4.6)	Noise Figure	Pass
§90.543(e) §90.219(e)(3)	§ 935210 D05v01r01 (4.7)	Spurious emissions at RF antenna connector	Pass
§90.543(e) §90.219(e)(3)	§ 935210 D05v01r01 (4.9)	Radiated spurious emissions	Pass
§90.543(f) §90.219(e)(3)	§ 935210 D05v01r01 (4.9)	Radiated spurious emissions within 1559- 1610 MHz band	Pass
§90.213	§ 935210 D05v01r01 (4.8)	Frequency stability	N/A a)

#### Notes:

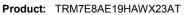
a) NOT APPLICABLE: Modulation/frequency conversion circuitry not in use. No frequency change in EUT (input and output have same frequency)





# Section 3: Equipment under test (EUT) and application details

2.1 Applicant o	lotoilo	
3.1 Applicant of		
Applicant	Name:	Teko Telecom Srl
complete	Federal	
business name	Registration	0018963462
	Number (FRN):	
	Grantee code	XM2
Mailing address	Address:	Via Meucci, 24/a
	City:	Castel S. Pietro Terme
	Province/State:	Bologna
	Post code:	40024
	Country:	Italy
3.2 Modular ed	quipment	
a) Single modular	Single modular appro	oval
approval	Yes 🗌	No ⊠
b) Limited single	Limited single modula	ar approval
modular approval	Yes□	No ⊠
		· <b>-</b>
00 0 1 1 1	( n	
3.3 Product de	tails	
FCC ID	Grantee code:	XM2
	Product code:	-MP6B
Equipment class	B9B	
Description of	Booster	
product as it is	Model	
marketed	name/number:	TRM7E8AE19HAWX23AT
	Serial number:	1007061001
	Condi nambor.	1001001001
3.4 Application		
Type of	Original certi	
application	☐ Change in id	entification of presently authorized equipment
	Original FCC	
	_	nissive change or modification of presently authorized
	equipment	





# Section 3: Equipment under test

3.5 Composite	e/related equipment
a) Composite	The EUT is a composite device subject to an additional equipment
equipment	authorization
	Yes □ No ⊠
b) Related	The EUT is part of a system that operates with, or is marketed with,
equipment	another device that requires an equipment authorization
	Yes □ No ⊠
c) Related FCC ID	If either of the above is "yes":
	has been granted under the FCC ID(s) listed below:
	is in the process of being filled under the FCC ID(s) listed below:
	is pending with the FCC ID(s) listed below:
	has a mix of pending and granted statues under the FCC ID(s)
	listed below:
	i FCC ID:
	ii FCC ID:

3.6 Sample information			
Receipt date:	06/26/2017		
Nemko sample ID number:			

3.7 EUT techn	ical specifications
Operating band:	Down Link: 758–768 MHz, Up Link: 788-798 MHz
Operating frequency:	Wideband
Modulation type:	LTE (QAM and QPSK)
Occupied bandwidth:	LTE: 5 MHz, 10 MHz
Channel spacing:	standard
Emission designator:	LTE: D7W
RF Output	Down Link: 33dBm (2W) Up Link: N.A. (The EUT does not transmit over the air in the up-link direction)
Gain	Down Link: 38dB Up Link: N.A. (The EUT does not transmit over the air in the up-link direction)
Antenna type:	External Antenna is not provided, equipment that has an external 50 $\Omega$ RF connector
Power source:	100-240 Vac



Product: TRM7E8AE19HAWX23AT Section 3: Equipment under test

Specification: FCC 90

# Section 3: Equipment under test

3.8 Accessories and support equipment						
The following information identifies accessories used to exercise the EUT during testing:						
No other FCC-ID equipmen	t are used to exercise the EUT during testing					
Item # 1						
Type of equipment:	Master Unit - Subrack					
Brand name:	Teko Telecom srl					
Model name or number:	SUB-TRX-PSU					
Serial number:	101083001					
Nemko sample number:						
Connection port:						
Cable length and type:						
Item # 2						
Type of equipment:	Master Unit – Management Module					
Brand name:	Teko Telecom srl					
Model name or number:	TSPV-R					
Serial number:	110942253					
Nemko sample number:						
Connection port:	LAN port					
Cable length and type:						
Item # 3						
Type of equipment:	Master Unit – Optical Module					
Brand name:	Teko Telecom srl					
Model name or number:	TTRU4W-S-M					
Serial number:	110679007					
Nemko sample number:						
Connection port:	DL/UL RF connector (to connect to the base station)					
	Optical port (to connect to remote unit)					
Cable length and type:						
Item # 4						
Type of equipment:	Master Unit – Power Supply					
Brand name:	Teko Telecom srl					
Model name or number:	TPSU/AC					
Serial number:	081063004					
Nemko sample number:						
Connection port:						
Cable length and type:						



### 3.9 Operation of the EUT during testing

**Details:** 

In down-link direction, normal working at max gain with max RF power output.

### 3.10 EUT setup diagram

In this system, Remote Unit is the EUT. Master Unit includes only management module and optical module (to convert RF signal in optical signal in down link direction and viceversa optical signal in RF signal in up link direction). As described in "Operational description", master unit is connected directly to base station, so the system doesn't use another equipment (under another FCC ID) to exercise the EUT. Signal generator is linked directly to the RF connector of optical module in the Master Unit.

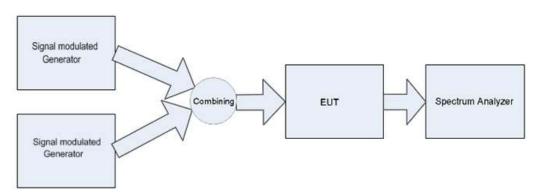
#### Test setup for output power, occupied bandwidth, spurious emissions:



#### **Procedure**

Connect the signal modulated generator to the input of the EUT, so that the EUT works at the max gain. Raise the input level to the EUT until reach the maximum output power. Connect the spectrum analyzer to the RF output connector of the EUT.

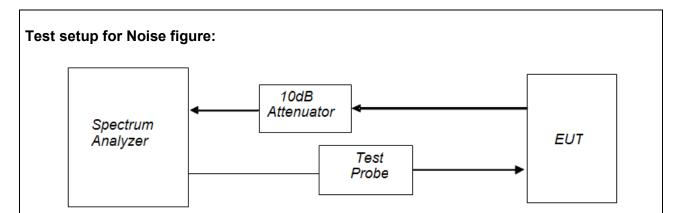
#### Test setup for intermodulation:



#### **Procedure**

Connect two signal modulated generators to the input of the EUT, so that the two input signals are same level. The EUT works at the max gain. Raise the input level to the EUT until reach the maximum output power. Connect the spectrum analyzer to the RF output connector of the EUT. At maximum drive level, for each modulation applies two tones for fulfill two tests (high-band edge and low-band-edge)





#### Procedure

Connect the EUT with the spectrum analyzer as described in the picture below. Connect the "Output Noise Source" spectrum analyzer with the RF input connector of the Remote Unit. Connect the output RF connector with the spectrum analyzer. Between spectrum analyzer and Remote Unit use a "Noise Source" (Test probe), so the noise of reference is generated. Set the EUT at max gain.



Product: TRM7E8AE19HAWX23AT

# Section 4: Engineering considerations

9	<b>3</b>
4.1 Modificatio	ns incorporated in the EUT
Modifications	Modifications performed to the EUT during this assessment None ☑ Yes ☐, performed by Client ☐ or Nemko ☐ Details:
4.2 Deviations	from laboratory tests procedures
Deviations	Deviations from laboratory test procedures  None   Yes   - details are listed below:
4.3 Technical j	udgment
Judgment	None



Specification: FCC 90

# Section 5: Test conditions

# Deviations from laboratory tests procedures

No deviations were made from laboratory test procedures.

5.2 Test conditions, power source and ambient temperatures				
Normal temperature, humidity and air pressure test conditions	Temperature: 15–30 °C Relative humidity: 20–75 % Air pressure: 86–106 kPa			
	When it is impracticable to carry out tests under these conditions, a note to this effect stating the ambient temperature and relative humidity during the tests shall be recorded and stated.			
Power supply range:	The normal test voltage for equipment to be connected to the mains shall be the nominal mains voltage. For the purpose of the present document, the nominal voltage shall be the declared voltage, or any of the declared voltages ±5 %, for which the equipment was designed.			



Specification: FCC 90

# Section 5: Test conditions, continued

#### 5.3 Measurement uncertainty

Nemko S.p.A. measurement uncertainty has been calculated using the standard CISPR 16-4-2 "Specification for radio disturbance and immunity measuring apparatus and methods - Part 4-2: Uncertainties, statistics and limit modeling – Uncertainty in EMC measurements". All calculations can be found in Nemko S.p.A. document WML1002.

5.4 Test equ	ipment			
Equipment	Manufacturer	Model No.	Asset/Serial No.	Next cal.
Vector Signal Generator	Agilent	N5172B EXG	MY53051238	Jan 2018
Vector Signal Generator	Agilent	E4438C ESG	MY45094485	Ago 2019
Spectrum Analyzer	Agilent	N9030A PXA	MY53120882	Nov 2017
Network Analyzer	Agilent	E5071C ENA	MY46106183	Ago 2017
V-network	R&S	ESH2-Z5	872 460/041	10/2017
Trilog Broad Band Antenna 25-2000 MHz	Schwarzbeck	VULB 9168	VULB 9168-242	06/2018
Trilog Broad Band Antenna 25-8000 MHz	Schwarzbeck	VULB 9162	VULB 9162-25	07/2018
Antenna 1-18 GHz	Schwarzbeck	STLP 9148	STPL 9148-123	06/2018
Antenna horn	A.H.System Inc.	SAS-574	061106A40	10/2017
Preamplifier 18-40 GHz	Miteq	JS44	1648665	12/2017
Broadband preamplifier 1-18 GHz	Schwarzbeck	BBV 9718	9718-137	12/2017
EMI receiver 20 Hz ÷ 8 GHz	R&S	ESU8	100202	04/2018
EMI receiver 20 Hz ÷ 3 GHz	R&S	ESCI	100888	08/2017
Hydraulic revolving platform	Nemko	RTPL 01	4.233	NCR
Turning-table	R&S	HCT	835 803/03	NCR
Antenna mast	R&S	HCM	836 529/05	NCR
Controller	R&S	HCC	836 620/7	NCR
Spectrum Analyzer 9kHz ÷ 40GHz	R&S	FSEK	848255/005	01/2018
Semi-anechoic chamber	Nemko	10m semi-anechoic chamber	530	10/2018
Shielded room	Siemens	10m control room	1947	NCR
Semi-anechoic chamber	Nemko	10m semi-anechoic chamber	70	NCR
Shielded Room	Siemens	3m semi-anechoic chamber	3	NCR
Motor controller	Emco	1051-25	9012-1559	NCR
Motor controller	Emco	1061-1.521	9012-1508	NCR
Antenna Tower	Emco	2071-2	9601-1940	NCR
Controller pole/table	Emco	2090	9511-1099	NCR

N/A = Not Applicable, NCR = No Cal Required, COU = CAL On Use (\*) Equipment supplied by manufacturer's

Specification: FCC 90

# Appendix A: Test results

# Clause 935210 D05v01 (4.2) AGC threshold

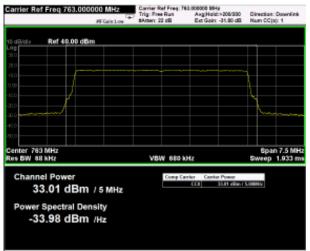
Measure of EUT AGC Threshold

Test date: 06/26/2017
Test results: Pass

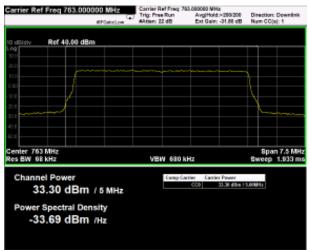
#### Special notes

AWGN test signal used (5 MHz LTE channel)

#### Test data







AWGN signal, nominal input signal +1 dB



# Clause 935210 D05v01 (4.3) Out of band rejection

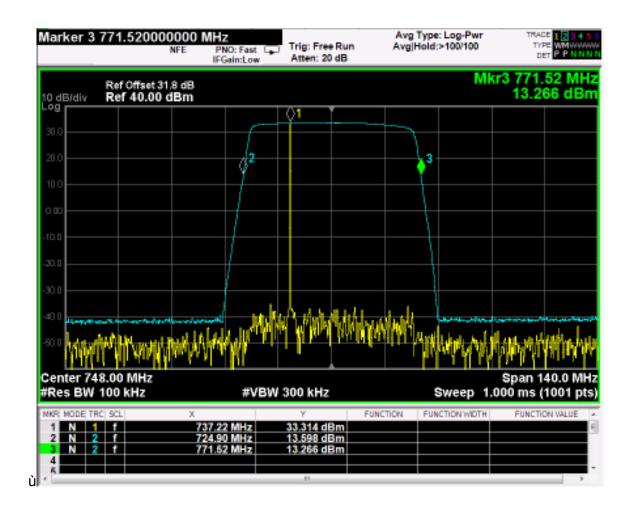
Out of Band Rejection – Test for rejection of out of band signals.

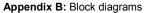
Test date: 06/26/2017

Test results: Pass

Special notes

#### Test data







Specification: FCC 90

# Clause 90.209, 90.219(e)(4) Occupied bandwidth

### § 90.219(e)(4)

A signal booster must be designed such that all signals that it retransmits meet the following requirements:

- (i) The signals are retransmitted on the same channels as received. Minor departures from the exact provider or reference frequencies of the input signals are allowed, provided that the retransmitted signals meet the requirements of § 90.213.
  - (ii) There is no change in the occupied bandwidth of the retransmitted signals.
- (iii) The retransmitted signals continue to meet the unwanted emissions limits of § 90.210 applicable to the corresponding received signals (assuming that these received signals meet the applicable unwanted emissions limits by a reasonable margin).

Test date: 06/26/2017

Test results: Pass

#### Special notes

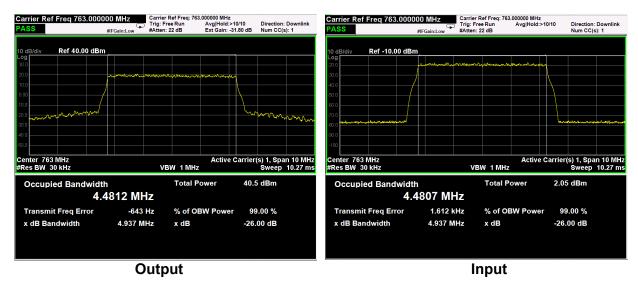
AWGN test signal used (5 MHz LTE channel)

Specification: FCC 90

#### Occupied bandwidth, continued

#### Test data

#### AWGN signal, nominal input signal



#### AWGN signal, nominal input signal + 3dB





Specification: FCC 90

# Clause 90.205, 90.542(a)(3), 90.219(e)(1) Output power at RF antenna connector

#### § 90.205

Applicants for licenses must request and use no more power than the actual power necessary for satisfactory operation. Except where otherwise specifically provided for, the maximum power that will be authorized to applicants whose license applications for new stations are filed after August 18, 1995 is as follows in FCC Part 90.205 (a) through (r).

#### § 90.542(a)(3)

- (a) The following power limits apply to the 758-768/788-798 MHz band:
- (3) Fixed and base stations transmitting a signal in the 758-768 MHz band with an emission bandwidth greater than 1 MHz must not exceed an ERP of 1000 watts/MHz and an antenna height of 305 m HAAT, except that antenna heights greater than 305 m HAAT are permitted if power levels are reduced below 1000 watts/MHz ERP accordance with Table 3 of this section.

#### § 90.219(e)(1)

The output power capability of a signal booster must be designed for deployments providing a radiated power not exceeding 5 Watts ERP for each retransmitted channel.

Test date: 06/26/2017 Test results: Pass

#### Special notes

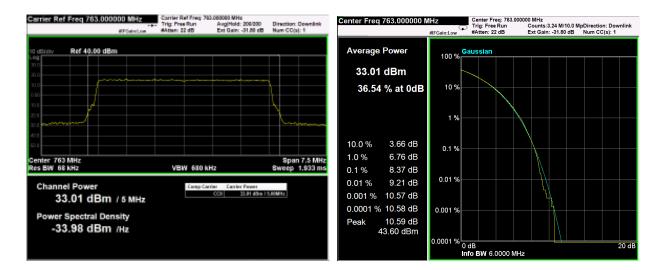
AWGN test signal used (5 MHz LTE channel)



#### Output power at RF antenna connector

#### AWGN signal, nominal input signal

Test data						
Direction	Modulation	Frequency (MHz)	RF output Power (dBm)	RF output channel Power (W)	RF output Power (W/MHz)	PAR (dB)
Down-link	AWGN (LTE, 5MHz)	763,0	33,01	2,00	0,4	10,59



PAR measure is performed by the "CCDF" function installed on Spectrum analyzer that provides average power (the same measured with "Channel power" function), peak power and PAR.

#### Test result

Gmax antenna gain (dBi) = 39 - 33.01 = 5.99 dBi

EIRP = 33.01 + 5.99 = 39 dBm

ERP = 39 - 2.14 = 36.86dBm = 4.85W < 5 W ERP



#### AWGN signal, nominal input signal + 3dB

Test data						
Direction	Modulation	Frequency (MHz)	RF output Power (dBm)	RF output channel Power (W)	RF output Power (W/MHz)	PAR (dB)
Down-link	AWGN (LTE, 5MHz)	763,0	33,31	2,14	0,428	10,69



PAR measure is performed by the "CCDF" function installed on Spectrum analyzer that provides average power (the same measured with "Channel power" function), peak power and PAR.



# Clause 935210 D05v01 (4.6) Noise figure

### § 90.219(e)(2)

The noise figure of a signal booster must not exceed 9 dB in either direction.

Test date: 06/26/2017

Test results: Pass

#### Special notes

In the Remote Unit, only up-link measurement can be performed (test probe is connect to antenna port)





Specification: FCC 90

# Clause 90.543(e), 90.219(e)(3) Spurious emissions at the antenna terminal

#### § 90.543(e)

For operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

- (1) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than 76 + 10 log (P) dB in a 6.25 kHz band segment, for base and fixed stations.
- (2) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations.
- (3) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least 43 + 10 log (P) dB.
- (4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.
- (5) Compliance with the provisions of paragraph (e)(3) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of 30 kHz may be employed.

#### § 90.219(e)(3)

Spurious emissions from a signal booster must not exceed -13dBm within any 100 kHz measurement bandwidth.

Test date: 06/26/2017

Test results: Pass

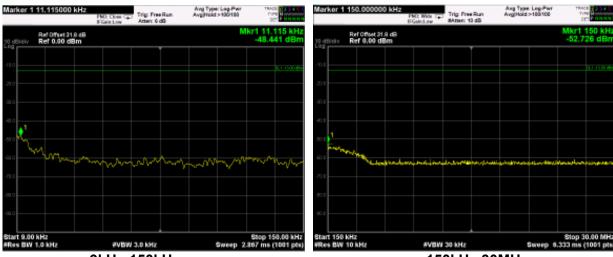
#### Special notes

AWGN test signal used (5 MHz LTE channel)



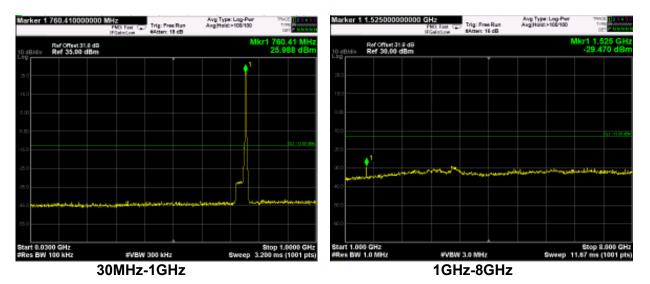
### Test data: Spurious emissions at RF antenna connector

#### **AWGN signal – First Channel (760,5MHz)**



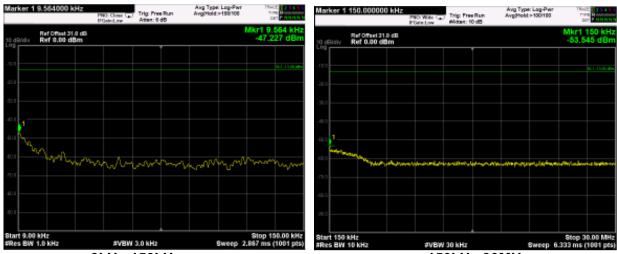
9kHz-150kHz

150kHz-30MHz



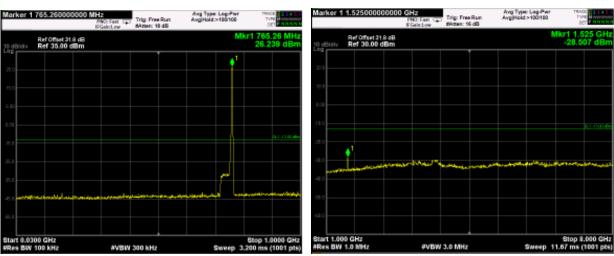


### **AWGN signal – Last Channel (765,5MHz)**



9kHz-150kHz

150kHz-30MHz



1GHz-8GHz



Product: TRM7E8AE19HAWX23AT

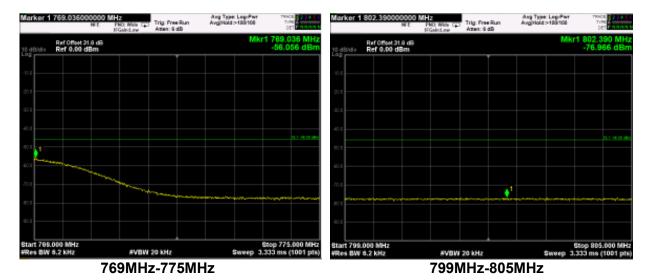
#### Test data: Spurious emissions at RF antenna connector: 90.543(e)(1)

#### Special notes

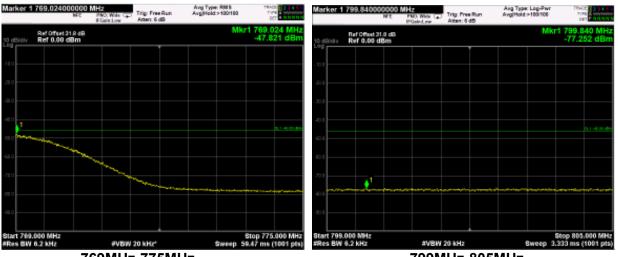
On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than 76 + 10 log (P) dB in a 6.25 kHz band segment, for base and fixed stations

 $76 + 10 \log P(W) = 76 + 10 \log 1,25W = 77$ P(W) = 1,25W = 31 dBm→limit: 31 - 77 = -46 dBm/6,25kHz

#### **AWGN signal – First Channel (760,5MHz)**



#### AWGN signal – Last Channel (765,5MHz)



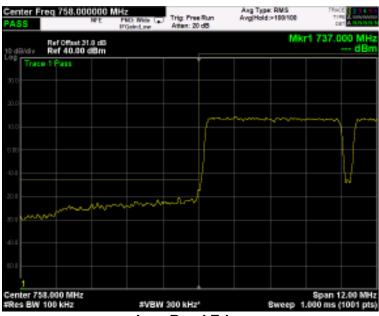
769MHz-775MHz

799MHz-805MHz

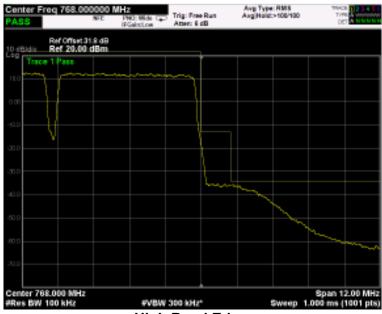


# Test data: Spurious emissions at RF antenna connector: band edges intermodulation

### AWGN signal, nominal input signal



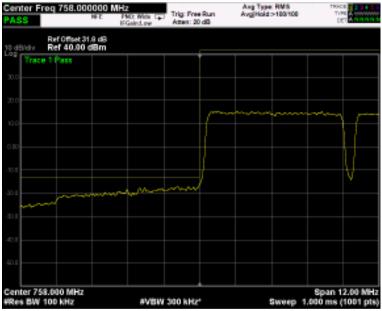
**Low Band Edge** 



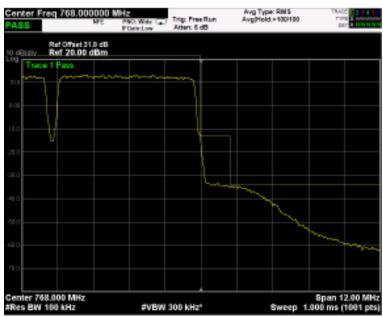
High Band Edge



### AWGN signal, nominal input signal + 3dB



**Low Band Edge** 



**High Band Edge** 



Specification: FCC 90

# Clause 90.543(e), 90.219(e)(3) Spurious emissions radiated

#### (§ 90.543(e)

For operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

- (1) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than 76 + 10 log (P) dB in a 6.25 kHz band segment, for base and fixed stations.
- (2) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations.
- (3) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least 43 + 10 log (P) dB.
- (4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.
- (5) Compliance with the provisions of paragraph (e)(3) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of 30 kHz may be employed.

#### § 90.219(e)(3)

Test date: 06/26/2017
Test results: Pass

Spurious emissions from a signal booster must not exceed –13dBm within any 100 kHz measurement bandwidth.

Special notes		



Specification: FCC 90

#### Radiated spurious emissions, continued

#### Test data

The D.U.T. was positioned according to the radiated emissions set-up

The D.U.T. antenna connector was terminated by a 50  $\Omega$  shielded dummy load.

The spectrum was searched from 30 MHz to 1 GHz (RBW 100 kHz) & 1 GHz (RBW 1 MHz) to the tenth harmonic of the carrier.

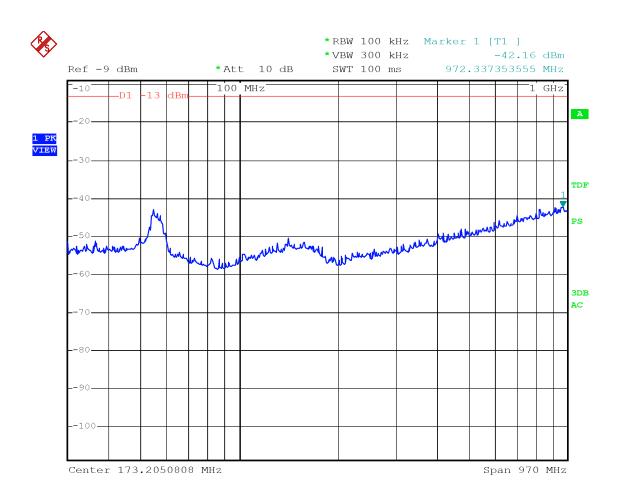
There were no emissions detected above the noise floor which was at least 20 dB below the specification limit.

Spurious emissions measurement results:

	· · · · · · · · · · · · · · · · · · ·					
Frequency (MHz)	Polarization. V/H	Field strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)		
		\ I /	1 / 1 /	\ /		
Low channel	1					
Mid channel						
High channel	High channel					

Note: Field strength includes correction factor of antenna, cable loss, amplifier, and attenuators where applicable.

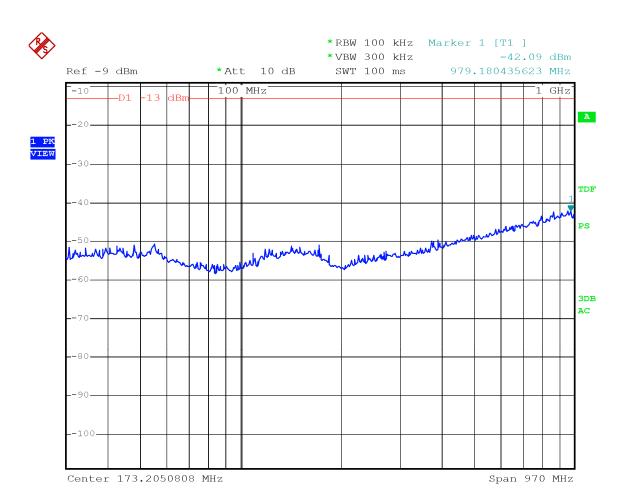




Date: 26.JUN.2017 15:37:45

30MHz-1GHz - H Pol

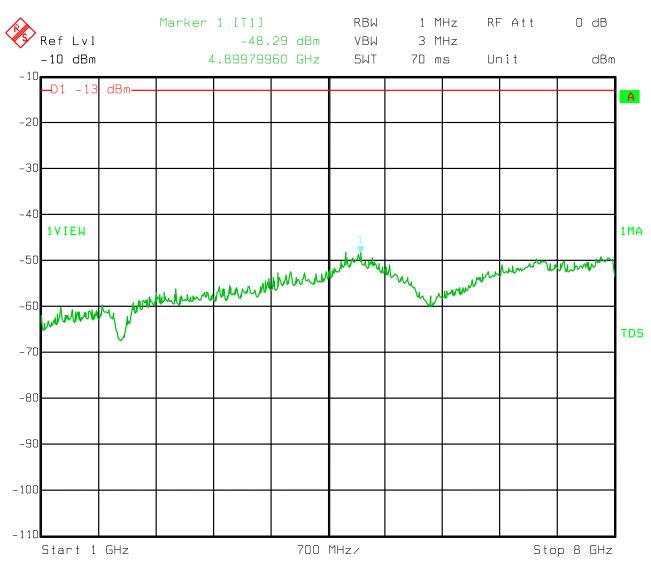




Date: 26.JUN.2017 15:39:27

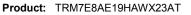
30MHz-1GHz - V Pol



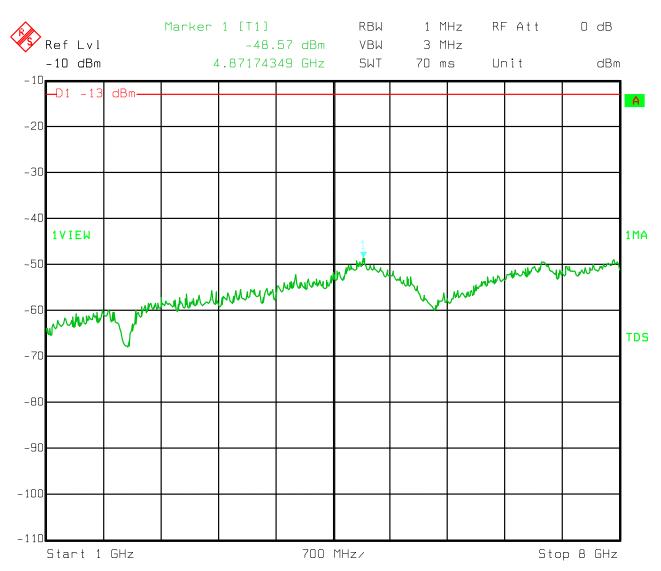


Date: 26.JUN.2017 09:34:11

1GHz-8GHz - H Pol

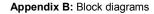






Date: 26.JUN.2017 09:30:45

1GHz-8GHz - V Pol





Specification: FCC 90

# Clause 90.543(f) Radiated spurious emissions within 1559–1610 MHz band

#### § 90.543(f)

For operations in the 758-775 MHz and, 788-805 MHz bands, all emissions including harmonics in the band 1559–1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation

#### Note:

Method of measurement according to TIA-603-C (EIRP in GNSS band: 1.556 to 1.610 GHz) .  $\Delta$  Band = 51 MHz, Correction Factor calculated at central band 1604.5 MHz. in Fraunhofer Region.

Test date: 06/26/2017
Test results: Pass

#### Special notes

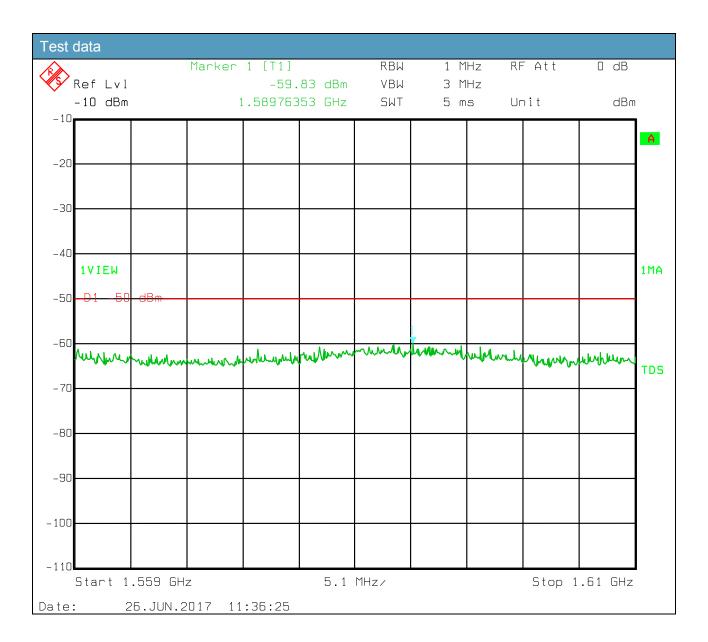
- The spectrum was searched from 1559–1610 MHz.
- All measurements were performed using a peak detector.
- The measurements were performed at the distance of 3 m.
- RBW was set to 1 MHz and VBW was wider than RBW

Appendix B: Block diagrams



Specification: FCC 90

Result of D.L. 33 dBm, 763.0 MHz,

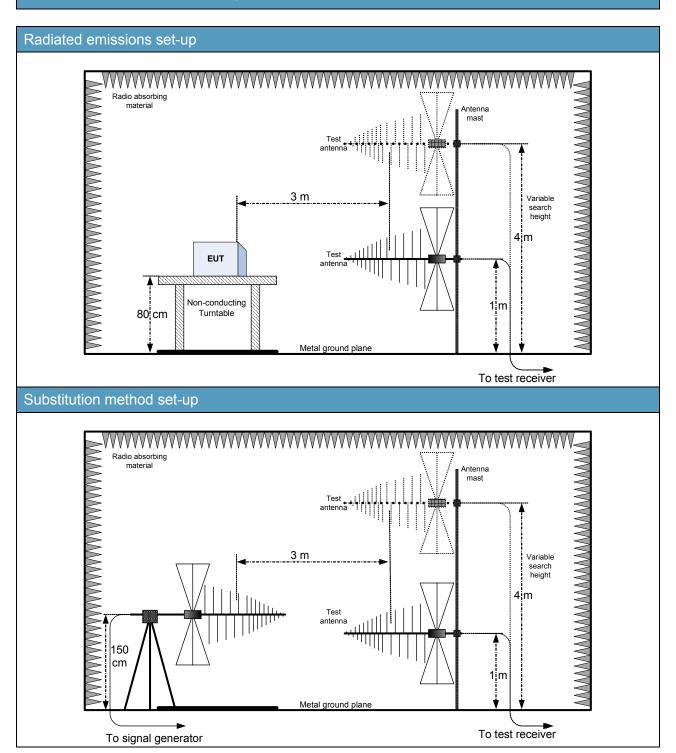


Spurious emissions	s measurement results	s:		
Frequency	Polarization.	Result	Limit	Margin
(MHz)	V/H	Eirp (dBm)	eirp (dBm)	(dB)
1589.76	V(max. eirp)	-59.83	-50	-9.83

Limit used for discrete emissions: -80 dBw = -50 dBm



# Appendix B: Block diagrams of test set-ups

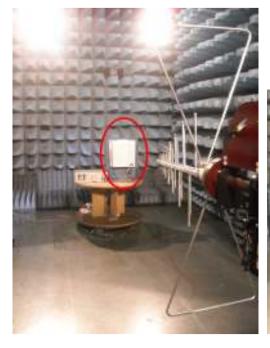


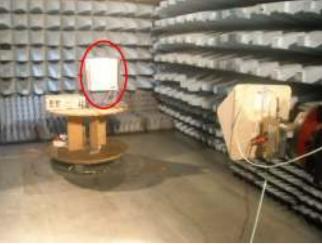


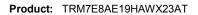
# Appendix C: EUT Photos

### Photo Set up







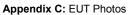


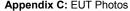


# Photo EUT

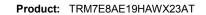








Nemko



Specification: FCC 90

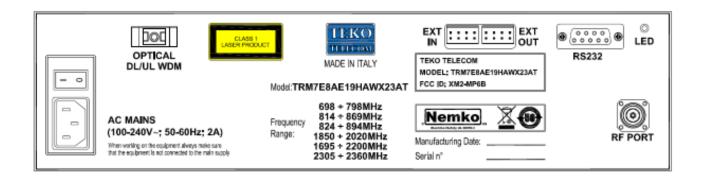






Specification: FCC 90

#### Label EUT



WARNING. This is NOT a CONSUMER device. This is a 90,219 Class B signal booster. It is designed for installation by FCC LICENSEES and QUALIFIED INSTALLERS. You MUST have an FCC LICENSE or express consent of an FCC Licensee to operate this device. You MUST register Class B signal boosters (as defined in 47 CFR 90.219) online at www.fcc.gov/signal-boosters/registration. Unauthorized use may result in significant forfeiture penalties, including penalties in excess of \$100,000 for each continuing violation.

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