

Report Reference ID:	372837-2TRFWL	
	Title 47 – Telecommunication Chapter I – Federal Communications Commission	
Test specification:	Subchapter D – Safety and special radio services Part 90 – Private land mobile services Subpart I – General technical standards	
	TEKO Telecom Srl.	
Applicant:	Via Meucci, 24/a I-40024 Castel S. Pietro Terme (BO) (Italy)	
Apparatus:	Medium Power Remote Unit	
Model:	TRU7FL8P9PWM/AC-WT	
FCC ID:	XM2-MP7FL8P9PP	

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	Date
Tested by:	Bailun Parl P. Barbieri, Wireless/EMC Specialist	06/24/2019
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Section 1: Report summary

1.1 Test sp	ecification
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 Spa. 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 C63.26-2015.	

1.3 Exclusion	.3 Exclusions		
Exclusions	None		

1.4Registration numberTest site FCC682159ID number682159

1.5 Test report revision history			
Revision # Details of changes made to test report			
TRF	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

Part	Methods	Test description	Verdict
	§ 935210 D05v01r03 (4.2)	AGC threshold	Pass
	§ 935210 D05v01r03 (4.3)	Out of band rejection	Pass
§90.209 §90.219(e)(4)	§ 935210 D05v01r03 (4.4)	Occupied bandwidth	Pass
§90.205 §90.219(e)(1)	§ 935210 D05v01r03 (4.5)	Output power at RF antenna connector Pass	
§90.219(e)(2)	§ 935210 D05v01r03 (4.6)	Noise Figure	
§90.543(c) §90.219(e)(3)	§ 935210 D05v01r03 (4.7)	Spurious emissions at RF antenna connector	Pass
§90.543(c) §90.219(e)(3)	3(c) § 935210 Radiated spurious emissions		Pass
§90.543(f) §90.219(e)(3)	§ 935210 D05v01r03 (4.9)	Radiated spurious emissions within 1559-1610 MHz band	Pass
§90.213	§ 935210 D05v01r03 (4.8)	Frequency stability	N/A a)

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

3.1 Applicant of	details	
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 equipment			
a) Single modular	Single modular approval		
approval	Yes 🗌 No 🖂		
b) Limited single	ngle Limited single modular approval		
modular approval	Yes 🗌 No 🖂		

3.3 Product de	tails		
FCC ID	Grantee code:	XM2	
	Product code:	-MP7FL8P9PP	
Equipment class	B9B		
Description of	Booster		
product as it is	Model	TRU7FL8P9PWM/AC-WT	
marketed	name/number:		
	Serial number:	1012793001	

3.4 Application	n purpo	se
Type of	\boxtimes	Original certification
application		Change in identification of presently authorized equipment
		Original FCC ID: Grant date:
		Class II permissive change or modification of presently authorized
		equipment



Section 3: Equipment under test

3.5 Composite	/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:
	\Box has a mix of pending and granted statues under the FCC ID(s)
	listed below:
	i FCC ID: XM2-MP7FL8P9PP
	ii FCC ID:

3.6 Sample inf	ormation
Receipt date:	05/27/2019
Nemko sample ID number:	

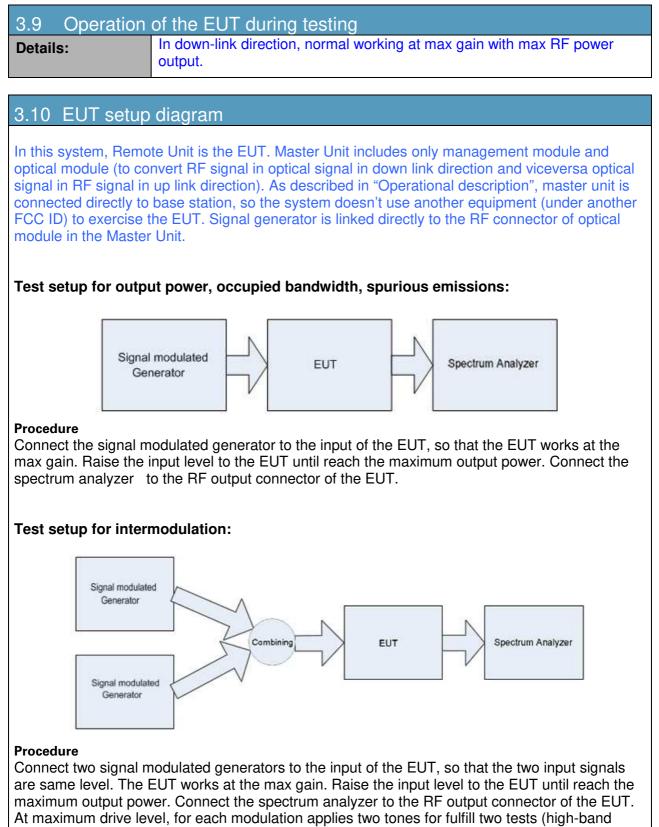
3.7 EUT techn	ical specifications
Operating band:	Down Link: 769–775 MHz, Up Link: 799-805 MHz
Operating frequency:	Narrowband
Modulation type:	P25, FM
Occupied bandwidth:	Standard
Channel spacing:	standard
Emission designator:	F1E, F1D, F3E
RF Output	Down Link: 33dBm (2W) Up Link: N.A. (The EUT does 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 Ω RF connector
Power source:	100-240 Vac



Section 3: Equipment under test

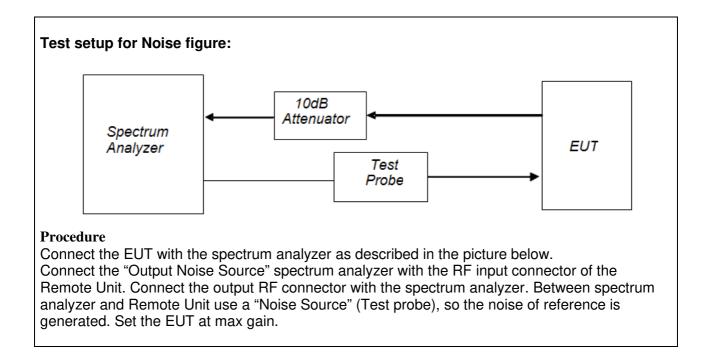
	d support equipment lentifies accessories used to exercise the EUT during testing:
No other FCC-ID equipmen	t are used to exercise the EUT during testing
Item # 1	
Type of equipment:	Master Unit - Subrack
Brand name:	Teko Telecom srl
Model name or number:	SUB-TRX-PSU
Serial number:	101083001
Nemko sample 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:	





edge and low-band-edge)







Section 4: Engineering considerations

Modifications Modifications performed to the EUT during this assessment None Yes , performed by Client or Nemko Details:	4.1 Modificatio	ns incorporated in the EUT
Details.	Modifications	-

4.2 Deviations	from laboratory tests procedures
Deviations	Deviations from laboratory test procedures
	None 🛛 Yes 🗌 - details are listed below:

4.3 Technical	judgment
Judgment	None



Section 5: Test conditions

5.1 Deviations from laboratory tests procedures

No deviations were made from laboratory test procedures.

5.2 Test condit	tions, 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.



Section 5: Test conditions, continued

EUT	Туре	Test	Range and Setup features	Measurement Uncertainty	Notes
		Frequency error	0.001 MHz ÷ 40 GHz	0.08 ppm	(1)
			10 kHz ÷ 30 MHz	1.0 dB	(1)
		Carrier power RF Output Power	30 MHz ÷ 18 GHz	1.5 dB	(1)
			18 MHz ÷ 40 GHz	3.0 dB	(1)
		Adjacent channel power	1 MHz ÷ 18 GHz	1.6 dB	(1)
			10 kHz ÷ 26 GHz	3.0 dB	(1)
		Conducted spurious emissions	26 GHz ÷ 40 GHz	4.5 dB	(1)
		Intermodulation attenuation	1 MHz ÷ 18 GHz	2.2 dB	(1)
		Attack time – frequency behaviour	1 MHz ÷ 18 GHz	2.0 ms	(1)
		Attack time – power behaviour	1 MHz ÷ 18 GHz	2.5 ms	(1)
		Release time – frequency behaviour	1 MHz ÷ 18 GHz	2.0 ms	(1)
	Conducted	Release time – power behaviour	1 MHz ÷ 18 GHz	2.5 ms	(1)
Transmitter	Conducted	Transient behaviour of the transmitter– Transient frequency behaviour	1 MHz ÷ 18 GHz	0.2 kHz	(1)
		Transient behaviour of the transmitter – Power level slope	1 MHz ÷ 18 GHz	9%	(1)
		Frequency deviation - Maximum permissible frequency deviation	0.001 MHz ÷ 18 GHz	1.3%	(1)
		Frequency deviation - Response of the transmitter to modulation frequencies above 3 kHz	0.001 MHz ÷ 18 GHz	0.5 dB	(1)
		Dwell time	-	3%	(1)
		Hopping Frequency Separation	0.01 MHz ÷ 18 GHz	1%	(1)
		Occupied Channel Bandwidth	0.01 MHz ÷ 18 GHz	2%	(1)
		Modulation Bandwidth	0.01 MHz ÷ 18 GHz	2%	(1)
		Radiated spurious emissions	10 kHz ÷ 26.5 GHz	6.0 dB	(1)
	Padiatod	hadiated spundus emissions	26.5 GHz ÷ 40 GHz	8.0 dB	(1)
	naulaleu	Effective radiated power	10 kHz ÷ 26.5 GHz	6.0 dB	(1)
		transmitter	26,5 GHz ÷ 40 GHz	8.0 dB	(1)
Receiver	Radiated	Radiated spurious emissions	10 kHz ÷ 26.5 GHz	6.0 dB	(1)
			26.5 GHz ÷ 40 GHz	8.0 dB	(1)
		Sensitivity measurement	1 MHz ÷ 18 GHz	6.0 dB	(1)
	Conductor	Conducted enurious emissions	10 kHz ÷ 26 GHz	3.0 dB	(1)
	Conducted	Conducted spurious emissions	26 GHz ÷ 40 GHz	4.5 dB	(1)
neasuremen	orted expand t multiplied b	ded uncertainty of measure by the coverage factor $k = 2 v$ th infinite degrees of freedom	ment is stated as the which has been derived	e standard unce from the assum	ertainty ed nor



	ipment			
Equipment	Manufacturer	Model No.	Asset/Serial No.	Next cal.
Vector Signal Generator	Agilent	E4432B ESG	GB38450308	08/2019
Vector Signal Generator	Agilent	E4438C ESG	MY45094485	08/2019
Spectrum Analyzer	Agilent	N9030A PXA	MY53120882	12/2019
Trilog Broad Band Antenna 25-8000 MHz	Schwarzbeck	VULB 9162	VULB 9162-25	07/2021
Antenna 1-18 GHz	Schwarzbeck	STLP 9148	STPL 9148-123	07/2021
Double ridge horn antenna (4 ÷ 40 GHz)	RFSpin	DRH40	061106A40	02/2020
Broadband preamplifier (18 ÷ 40 GHz)	Miteq	JS44-18004000-35-8P- R	1.627	09/2019
Broadband preamplifier 1-18 GHz	Schwarzbeck	BBV 9718	9718-137	08/2019
EMI receiver 20 Hz ÷ 8 GHz	R&S	ESU8	100202	01/2020
EMI receiver 2 Hz ÷ 44 GHz	R&S	ESW44	101620	05/2019
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
Semi-anechoic chamber	Nemko	10m semi-anechoic chamber	530	09/2021
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

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



Appendix A: Test results

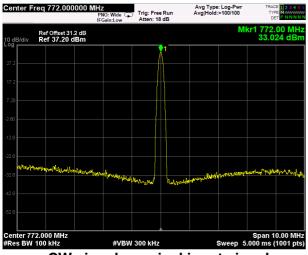
Clause 935210 D05v01 (4.2) AGC threshold

Measure of EUT AGC Threshold

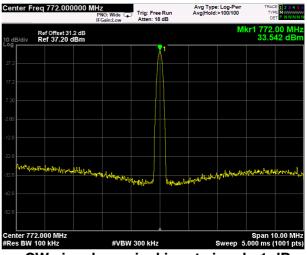
Test date: 05/27/2019 to 06/24/2019 Test results: Pass

Special notes

Test data



CW signal, nominal input signal



CW signal, nominal input signal +1 dB



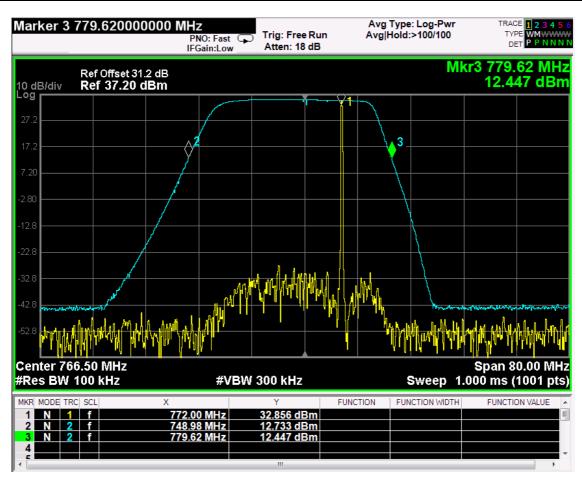
Clause 935210 D05v01 (4.3) Out of band rejection

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

Test date: 05/27/2019 to 06/24/2019 Test results: Pass

Special notes

Test data





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: 05/27/2019 to 06/24/2019 Test results: Pass

Special notes



Radio Std: None

Radio Device: BTS

Occupied bandwidth, continued

Test data

11K signal, nominal input signal

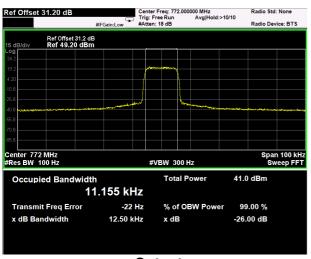


Output

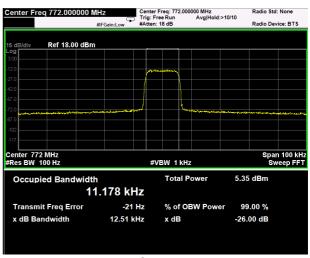
And Andrewski (1990) And Andrewski (1990) Andr

Center Freq: 772.000000 MHz Trig: Free Run Avg|Hold:>10/10 #Atten: 18 dB

11K signal, nominal input signal + 3dB

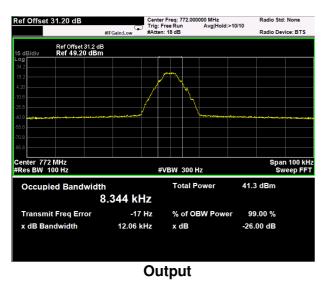


Output

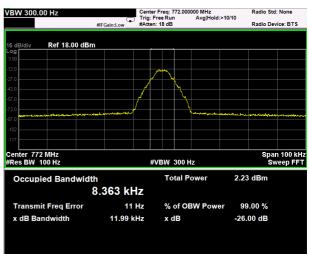


Input





P25 signal, nominal input signal

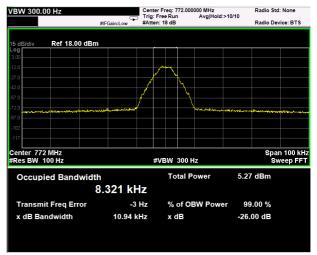


Input

P25 signal, nominal input signal + 3dB



Output



Input



Clause 90.205, 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).

§ 90.219(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: 05/27/2019 to 06/24/2019 Test results: Pass

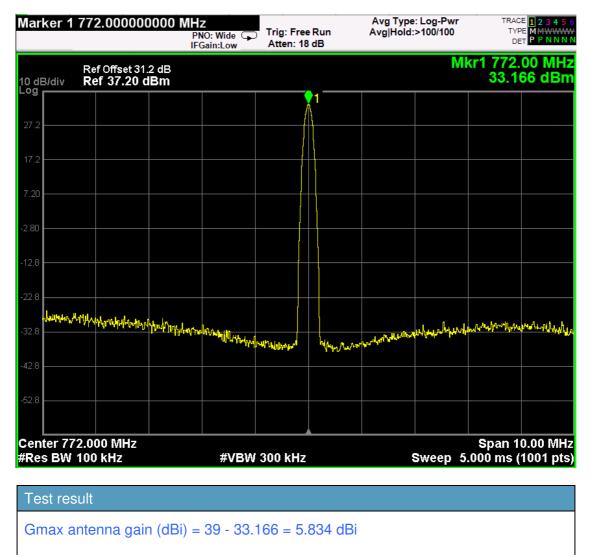
Special notes



Output power at RF antenna connector

CW signal, nominal input signal

Test data							
Direction	Modulation	Frequency (MHz)	RF output Power (dBm)	RF output channel Power (W)			
Down-link	CW	772,0	33,166	2,07			



EIRP = 33.166 + 5.834 = 39 dBm

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

CW signal, nominal input signal + 3dB

Test data							
Direction	Modulation	Frequency (MHz)	RF output Power (dBm)	RF output channel Power (W)			
Down-link	CW	772,0	33,682	2,33			

Marker 1	772.000000	PNC	D: Wide 🖵 ain:Low	Trig: Free Atten: 18		Avg Type Avg Hold:	: Log-Pwr >100/100	TRAC TYP DE	
10 dB/div Log	Ref Offset 31.2 Ref 37.20 d						M	kr1 772. 33.6	00 MHz 82 dBm
27.2					1				
17.2									
7.20									
-2.80									
-12.8									
-22.8		Դումումպետ _{ակետն}	mhhlad			L _{R.NP⁴[[h₂In-1,04-174]]}	walkarakalulu	han hand	Watagelyza
-42.8			······································	when	հ ար∖ կ/տուս/√	↓ _₩ ₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽			
-52.8									
Center 77 #Res BW	72.000 MHz		#VBW	300 kHz			Sweep_5	Span 1 .000 ms (0.00 MHz 1001 pts)



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: 05/27/2019 to 06/24/2019 Test results: Pass

Special notes

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

	802.000005 MHz	DUT: Amplif	ier		CONTEXT FREQ=RF
PR	REAMP	Atten: 0 dB			
Noise Figure				Mkr3 80	04.9394 MHz
0.3 dB/div	Ref 4.0 dB				3.3330 dB
5.2 4.9					
4.6					
4.3					
3.7		\ ²			`
3.1					
2.8					
	Rei 40.0 ub				
46.4	Ref 45.6 dB	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
46.4 46.2 46.0 45.8		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~		
46.4 46.2 46.0 45.8 45.6 45.6 45.4			~		~
46.4 46.2 46.0 45.8 45.6					
46.2 46.0 45.8 45.6 45.4 45.2					
46.4 46.0 45.8 45.6 45.4 45.2 45.2 45.0 44.8	799.00000 MHz		× · · · · · · · · · · · · · · · · · · ·	top Freq 80	5.00001 MH
46.4 46.0 45.8 45.6 45.4 45.2 45.2 45.0 44.8	799.00000 MHz	.50 K (Default)	S Noise Sour		
46.4 46.0 45.8 45.6 45.4 45.2 45.0 44.8 Start Freq 7	799.00000 MHz Iz T cold 296.	X	Noise Sour		5.00001 MHz Points 100
46.4 46.2 45.8 45.6 45.4 45.2 45.0 44.8 Start Freq 7 BW 4.0 MH	799.00000 MHz Iz T cold 296.		Noise Sour	ce: Norm	



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

§ 90.543(c)

Out-of-band emission limit. On any frequency outside of the frequency ranges covered by the ACP tables in this section, the power of any emission must be reduced below the mean output power (P) by at least $43 + 10\log(P)$ dB measured in a 100 kHz bandwidth for frequencies less than 1 GHz, and in a 1 MHz bandwidth for frequencies greater than 1 GHz.

§ 90.219(e)(3)

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

Test date: 05/27/2019 to 06/24/2019 Test results: Pass

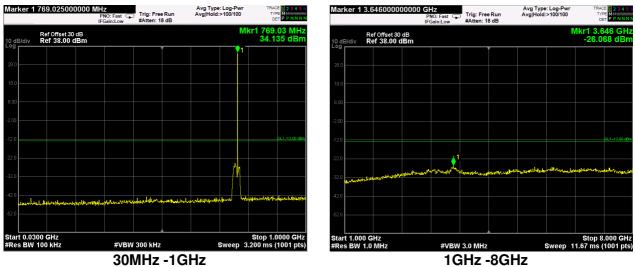
Special notes



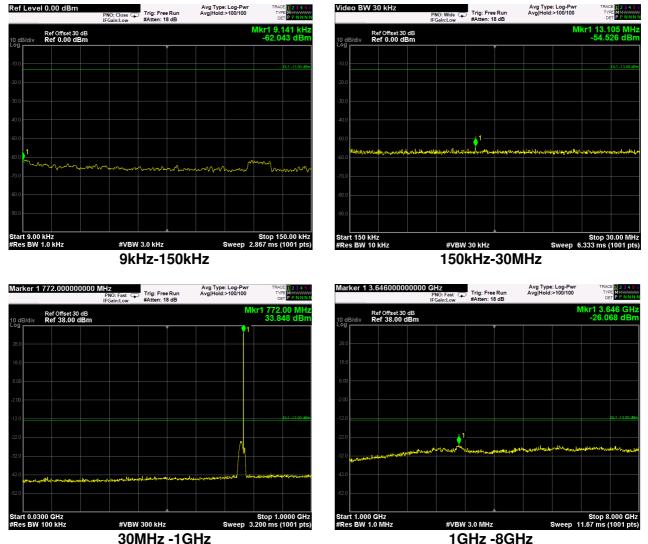
Test data: Spurious emissions at RF antenna connector

Start Freq 9.000 kHz Video BW 30 kHz Avg Type: Log-Pwr AvalHold:>100/100 Avg Type: Log-Pwr Avg|Hold:>100/100 Trig: Free Run #Atten: 18 dB PNO: Wide Trig: Free Run r1 9.282 -60.735 d Ref Offset 30 dB Ref 0.00 dBm Ref Offset 30 dB Ref 0.00 dBm 13.105 -54.526 ¢1 Start 9.00 kHz #Res BW 1.0 kHz Stop 150.00 kHz Sweep 2.867 ms (1001 pts) Start 150 kHz #Res BW 10 kHz Stop 30.00 MHz Sweep 6.333 ms (1001 pts #VBW 3.0 kHz #VBW 30 kHz 150kHz-30MHz 9kHz-150kHz

CW signal – First Channel (769,025MHz)



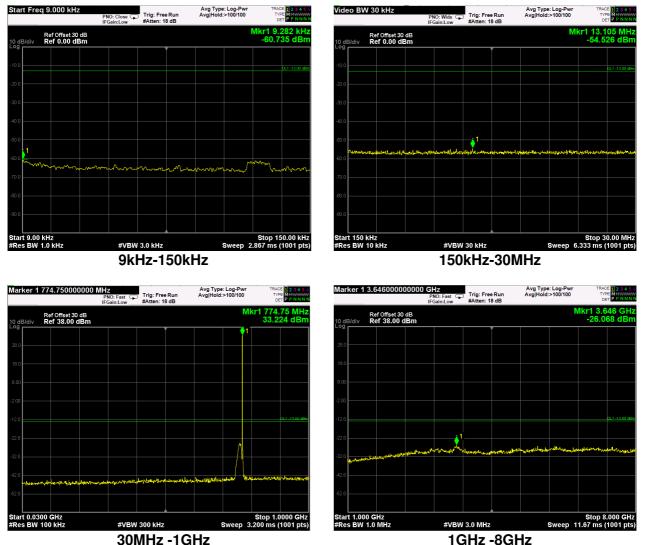




CW signal – Middle Channel (772,0MHz)

1GHz -8GHz





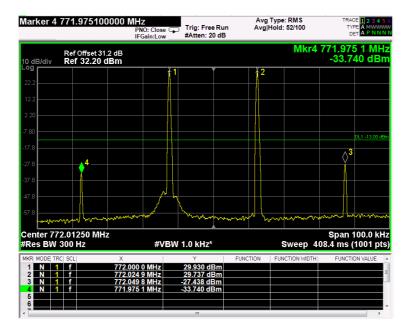
CW signal – Last Channel (774,975MHz)

1GHz -8GHz

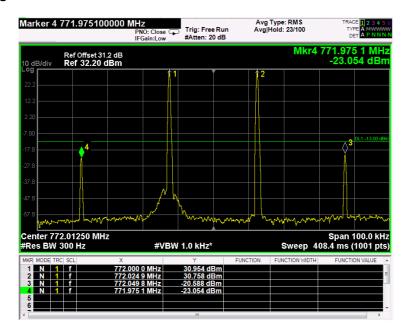


Test data: Spurious emissions at RF antenna connector: intermodulation

Nominal input signal



Nominal input signal + 3dB





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

§ 90.543(c)

Out-of-band emission limit. On any frequency outside of the frequency ranges covered by the ACP tables in this section, the power of any emission must be reduced below the mean output power (P) by at least $43 + 10\log(P)$ dB measured in a 100 kHz bandwidth for frequencies less than 1 GHz, and in a 1 MHz bandwidth for frequencies greater than 1 GHz.

§ 90.219(e)(3)

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

Test date: 05/27/2019 to 06/24/2019 Test results: Pass

Special notes



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 Ω 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.

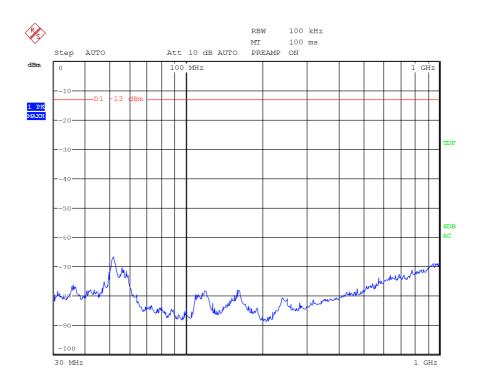
There were no emissions detected above the noise floor which was at least 20 dB below the specification limit.

Spurious emissions measurement results:

Polarization.	Field strength	Limit	Margin
V/H	(dBm)	(dBm)	(dB)
			-
V/H	Negligible	-13	
V/H	Negligible	-13	
V/H	Negligible	-13	
	V/H V/H V/H	V/H (dBm)	V/H (dBm) (dBm) V/H Negligible -13 V/H Negligible -13

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

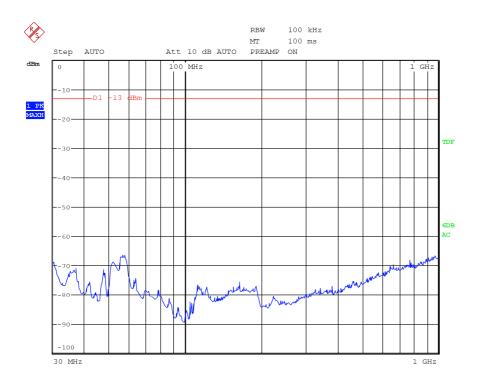




Date: 19.JUN.2019 11:35:28

30MHz-1GHz – H Pol



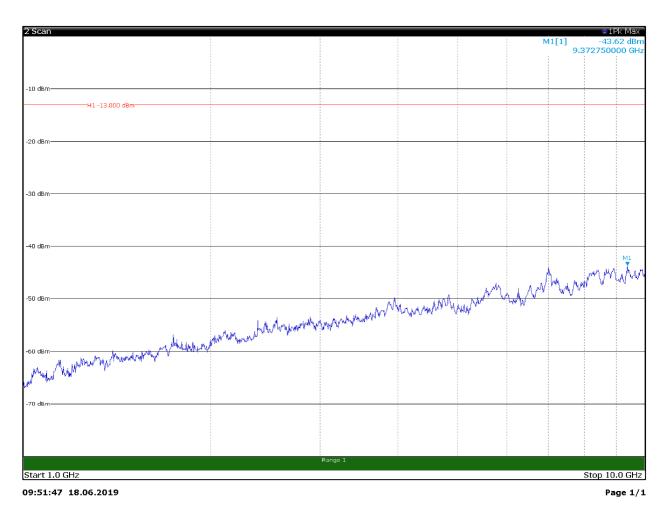


Date: 19.JUN.2019 11:36:04

30MHz-1GHz – V Pol



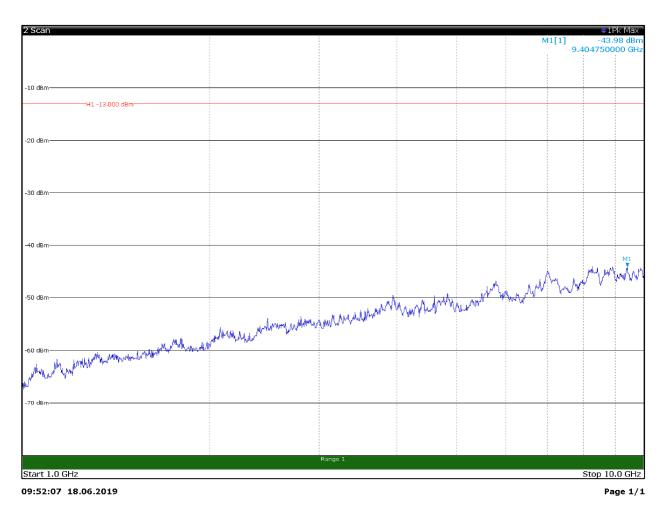
















Clause 90.543(f) Radiated spurious emissions within 1559–1610 MHz band

§ 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). Δ Band = 51 MHz, Correction Factor calculated at central band 1604.5 MHz. in Fraunhofer Region.

Test date: 05/27/2019 to 06/24/2019 Test results: Pass

Special notes

Method of measurement according to TIA-603-C (EIRP in GNSS band: 1.556 to 1.610 GHz) .

 Δ Band = 51 MHz, Correction Factor calculated at central band 1604.5 MHz. in Fraunhofer Region.

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



Clause 90.543(f) Radiated spurious emissions within 1559-1610 MHz band, continued

Test data

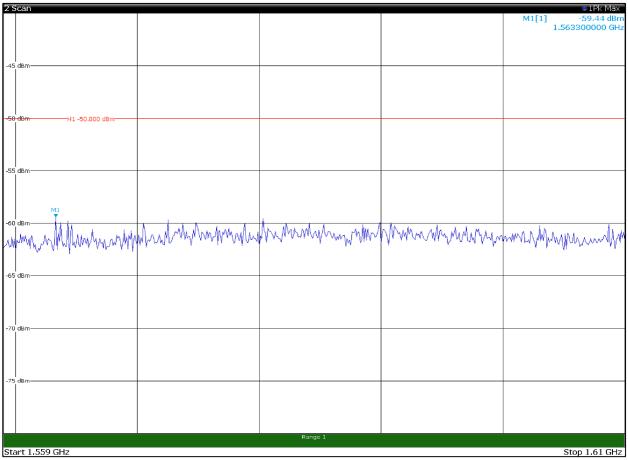
2 S	Scan					1Pk Max M1[1] -59.22 dBm 1.586300000 GHz
						1.555555555555555
-45	 					
-50		H1 -50.000 dBm				
-55	dBm-					
				MI		
-60	idBm−	MAMAMM	mapagementer	mmuhuhuhuhu	MMMMMMMMMM	Mar
	dBm-	γψι τη τη τη τη την 	v			
-70	dBm-					
-75	dBm-					
				Range 1		
Sta	art 1	.559 GHz				Stop 1.61 GHz

10:58:54 18.06.2019

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1559MHz-1610MHz – H Pol





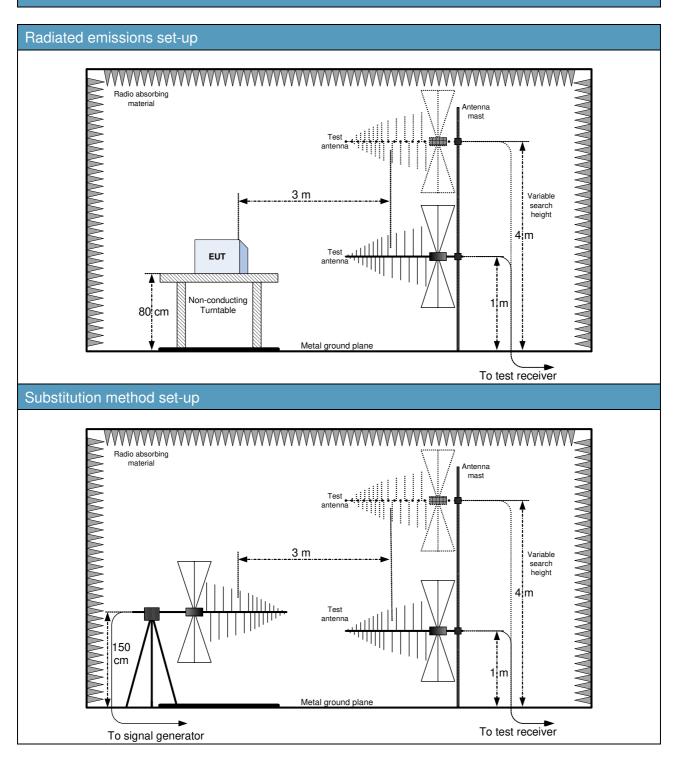
10:58:34 18.06.2019

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1559MHz-1610MHz - V Pol



Appendix B: Block diagrams of test set-ups





Appendix C: EUT Photos

Photo Set up

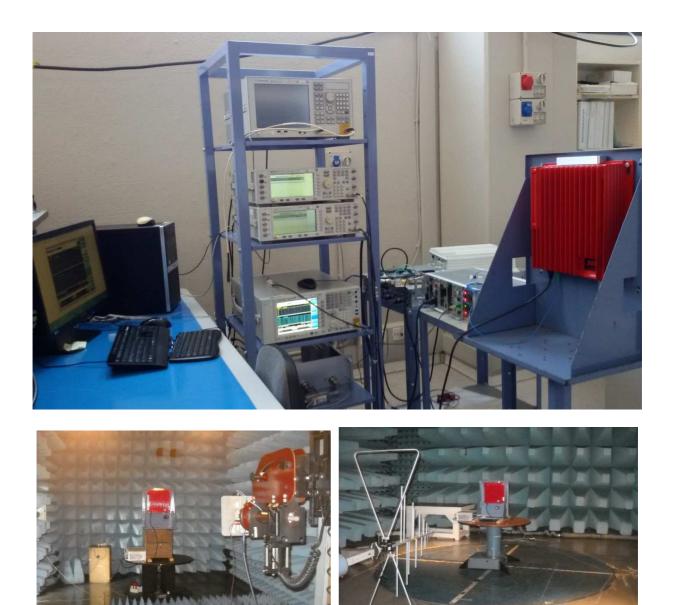




Photo EUT











Label EUT



WARNING, This is NOT a CONSUMER device.

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. Unauthorized use may result in significant forfeiture penalties, including penalties in excess of \$100,000 for each continuing violation,

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 LICENSE 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.

END OF REPORT