TEST REPORT

Applicant:	Radiolink Electronic Limited
Address of Applicant:	3/F, BLD2,KaiFeng Road 28#, ShangMeiLinFutian, ShenZhen, GuangDong, China
Manufacturer/ Factory:	Radiolink Electronic Limited
Address of Manufacturer/ Factory:	3/F, BLD2,KaiFeng Road 28#, ShangMeiLinFutian, ShenZhen, GuangDong, China

Equipment Under Test (EUT)

Product Name:	Receiver
Model No.:	R8EF, R8FM, R6FG, R6F, R7FG, R8F, R4FGM
Applicable standards:	ETSI EN 300 328 V2.2.2 (2019-07)
Date of sample receipt:	December 30, 2019
Date of Test:	December 31, 2019-January 10, 2020
Date of report issue:	January 10, 2020
Test Result :	PASS *

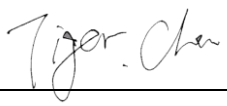
* In the configuration tested, the EUT detailed in this report complied with the standards specified above.

The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. The protection requirements with respect to electromagnetic compatibility contained in Directive 2014/53/EU are considered.

Robinson Lo
Laboratory Manager

2 Version

Version No.	Date	Description
00	*January 10, 2020*	*Original*

Prepared By:  ***Date:*** *January 10, 2020*

Project Engineer

Check By:  ***Date:*** *January 10, 2020*

Reviewer

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4 Test Summary

Radio Spectrum Matter (RSM) Part of Tx					
Test	**Test Requirement**	**Test method**	**Limit/Severity**	**Uncertainty**	**Result**
RF Output Power	Clause 4.3.2.2	Clause 5.4.2.2	20dBm	±1.5dB	N/A
Power Spectral Density	Clause 4.3.2.3	Clause 5.4.3.2	10dBm/MHz	±3dB	N/A
Duty Cycle, Tx-sequence, Tx-gap	Clause 4.3.2.4	Clause 5.4.2.2.1.3	Clause 4.3.2.4.3	±5 %	N/A
Medium Utilisation (MU) factor	Clause 4.3.2.5	Clause 5.4.2.2.1.4	≤ 10%	±5 %	N/A
Adaptivity	Clause 4.3.2.6	Clause 5.4.6.2	Clause 4.3.2.6.2.2 & Clause 4.3.2.6.3.2 & Clause 4.3.2.6.4.2	--	N/A
Occupied Channel Bandwidth	Clause 4.3.2.7	Clause 5.4.7.2	Clause 4.3.2.7.3	±5 %	N/A
Transmitter unwanted emissions in the OOB domain	Clause 4.3.2.8	Clause 5.4.8.2	Clause 4.3.2.8.3	±3dB	N/A
Transmitter unwanted emissions in the spurious domain	Clause 4.3.2.9	Clause 5.4.9.2	Clause 4.3.2.9.3	±6dB	N/A
Radio Spectrum Matter (RSM) Part of Rx					
Receiver spurious emissions	Clause 4.3.2.10	Clause 5.4.10.2	Clause 4.3.2.10.3	±6dB	PASS
Receiver Blocking	Clause 4.3.2.11	Clause 5.4.11.2	Clause 4.3.2.11.4	--	PASS
Geo-location capability	Clause 4.3.2.12	--	--	--	N/A

Remark:

Tx: In this whole report Tx (or tx) means Transmitter.

Rx: In this whole report Rx (or rx) means Receiver.

Temperature (Uncertainty): ±1°C Humidity(Uncertainty): ±5%

Uncertainty: ± 3%(for DC and low frequency voltages)

N/A:Not applicable

5 General Information

5.1 General Description of EUT

Product Name:	Receiver
Model No.:	R8EF, R8FM, R6FG, R6F, R7FG, R8F, R4FGM
Remark: All above models are identical in the same PCB layout, interior structure and electrical circuits. The differences are color and model name for commercial purpose.	
Operation Frequency:	2.14G ISM Band(2400~2483.5MHz)
Antenna Type:	Integral Antenna
Antenna gain:	0dBi(Declared by applicant)
Power Supply:	DC 4.6-10V R8FM:DC 4.8V-6V

5.2 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

● **FCC —Registration No.: 381383**

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Registration 381383.

● **IC —Registration No.: 9079A**

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 9079A

● **NVLAP (LAB CODE:600179-0)**

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP). LAB CODE:600179-0

5.3 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.
Address: No. 123- 128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102
Tel: 0755-27798480
Fax: 0755-27798960

5.4 Description of Support Units

The EUT has been tested as an independent unit.

5.5 Deviation from Standards

None.

5.6 Abnormalities from Standard Conditions

None.

5.7 Other Information Requested by the Customer

None.

6 Test Instruments List

Radiated Emission:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (mm-dd-yy)**	**Cal.Due date (mm-dd-yy)**
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS250	July. 03 2015	July. 02 2020
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	June. 26 2019	June. 25 2020
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	June. 26 2019	June. 25 2020
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	June. 26 2019	June. 25 2020
6	Horn Antenna	ETS-LINDGREN	3160	GTS217	June. 26 2019	June. 25 2020
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
8	Coaxial Cable	GTS	N/A	GTS213	June. 26 2019	June. 25 2020
9	Coaxial Cable	GTS	N/A	GTS211	June. 26 2019	June. 25 2020
10	Coaxial cable	GTS	N/A	GTS210	June. 26 2019	June. 25 2020
11	Coaxial Cable	GTS	N/A	GTS212	June. 26 2019	June. 25 2020
12	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	June. 26 2019	June. 25 2020
13	Amplifier(2GHz-20GHz)	HP	84722A	GTS206	June. 26 2019	June. 25 2020
14	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June. 26 2019	June. 25 2020
15	Band filter	Amindeon	82346	GTS219	June. 26 2019	June. 25 2020
16	Power Meter	Anritsu	ML2495A	GTS540	June. 26 2019	June. 25 2020
17	Power Sensor	Anritsu	MA2411B	GTS541	June. 26 2019	June. 25 2020
18	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	June. 26 2019	June. 25 2020
19	Splitter	Agilent	11636B	GTS237	June. 26 2019	June. 25 2020
20	Loop Antenna	ZHINAN	ZN30900A	GTS534	June. 26 2019	June. 25 2020
21	Breitband hornantenne	SCHWARZBECK	BBHA 9170	GTS579	Oct. 19 2019	Oct. 18 2020
22	Amplifier	TDK	PA-02-02	GTS574	Oct. 19 2019	Oct. 18 2020
23	Amplifier	TDK	PA-02-03	GTS576	Oct. 19 2019	Oct. 18 2020
24	PSA Series Spectrum Analyzer	Rohde & Schwarz	FSP	GTS578	June. 26 2019	June. 25 2020

Conducted:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Serial No.**	**Cal.Date (mm-dd-yy)**	**Cal.Due date (mm-dd-yy)**
1	MXA Signal Analyzer	Agilent	N9020A	GTS566	June. 26 2019	June. 25 2020
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June. 26 2019	June. 25 2020
3	Spectrum Analyzer	Agilent	E4440A	GTS533	June. 26 2019	June. 25 2020
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	June. 26 2019	June. 25 2020
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	June. 26 2019	June. 25 2020
6	USB RF Power Sensor	DARE	RPR3006W	GTS569	June. 26 2019	June. 25 2020
7	RF Switch Box	Shongyi	RFSW3003328	GTS571	June. 26 2019	June. 25 2020
8	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	June. 26 2019	June. 25 2020

General used equipment:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (mm-dd-yy)**	**Cal.Due date (mm-dd-yy)**
1	Humidity/ Temperature Indicator	KTJ	TA328	GTS243	June. 26 2019	June. 25 2020
2	Barometer	ChangChun	DYM3	GTS255	June. 26 2019	June. 25 2020

7 Radio Technical Specification in ETSI EN 300 328

7.1 Test Environment and Mode

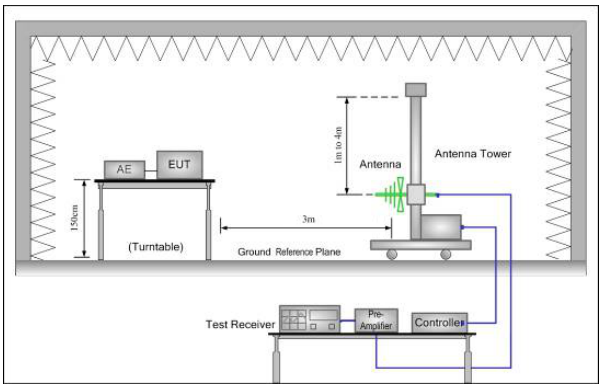
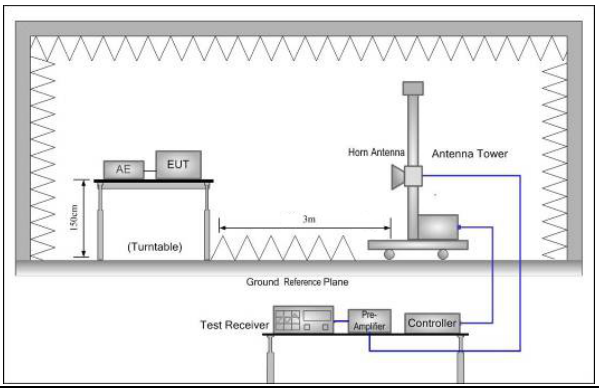
Test mode:			
Receiving mode	Keep the EUT in receiving mode.		
Operating Environment:			
Item	**Normal condition**	**Extreme condition**	
		NVHT	**NVLT**
Temperature	+15ºC to + 35ºC	+40ºC	0ºC
Humidity	20%-95%		
Atmospheric Pressure:	1008 mbar		

7.2 Receiver Requirement

7.2.1 Spurious Emissions

Test Requirement:	ETSI EN 300 328 clause 4.3.2.10
Test Method:	ETSI EN 300 328 clause 5.4.10.2
Limit:	

Frequency	Maximum power e.r.p. (≤ 1 GHz) e.i.r.p. (> 1 GHz)	Measurement bandwidth
30MHz to 1000 MHz	-57 dBm	100 kHz
1GHz to 12.75GHz	-47 dBm	1 MHz

Test Frequency range:	30MHz to 12.75GHz
Test setup:	Below 1GHz  Above 1GHz 
Test procedure:	**1. Pre-scan** The procedure in step 1 to step 4 below shall be used to identify potential unwanted emissions of the UUT. **Step 1:** The sensitivity of the spectrum analyser should be such that the noise floor is at least 12 dB below the limits given in tables 5 or table13. **Step 2:** The emissions over the range 30 MHz to 1 000 MHz shall be identified. Spectrum analyser settings: Resolution BW: 100 kHz Video BW 300 kHz Filter type: 3dB (Gaussian)

	Detector mode: Peak Trace Mode: Max Hold Sweep Points: ≥ 19 400 Sweep time: Auto Wait for the trace to stabilize. Any emissions identified during the sweeps above and that fall within the 6 dB range below the applicable limit or above, shall be individually measured using the procedure in clause 5.4.10.2.1.3 and compared to the limits given in table 5 or table 13. **Step 3:** The emissions over the range 1 GHz to 12,75 GHz shall be identified. Spectrum analyser settings: Resolution BW: 1 MHz Video BW 3 MHz Filter type: 3 dB (Gaussian) Detector mode: Peak Trace Mode: Max Hold Sweep Points: ≥ 23500; for spectrum analysers not supporting this high number of sweep points,the frequency band may be segmented Sweep time: Auto Wait for the trace to stabilize. Any emissions identified during the sweeps above that fall within the 6 dB range below, the applicable limit or above, shall be individually measured using the procedure in clause 5.4.10.2.1.3 and compared to the limits given in table 5 or table 13. Frequency Hopping equipment may generate a block (or several blocks) of spurious emissions anywhere within the spurious domain. If this is the case, only the highest peak of each block of emissions shall be measured using the procedure in clause 5.4.10.2.1.3. **Step 4:** In case of conducted measurements on smart antenna systems (equipment with multiple transmit chains), the steps 2 and 3 need to be repeated for each of the active transmit chains (A_{ch}).The limits used to identifyemissions during this pre-scan need to be reduced with $10 \times \log_{10}(A_{ch})$ **2. Measurement of the emissions identified during the pre-scan** The procedure in step 1 to step 4 below shall be used to accurately measure the individual unwanted emissions identified during the pre-scan measurements above. This method assumes the spectrum analyser has a Time Domain Power function. **Step 1:** The level of the emissions shall be measured using the following spectrum analyser settings: Measurement Mode: Time Domain Power Centre Frequency: Frequency of the emission identified during the pre-scan Resolution Bandwidth: 100 kHz (< 1 GHz) / 1 MHz (> 1 GHz) Video Bandwidth: 300 kHz (< 1 GHz) / 3 MHz (> 1 GHz)

	Frequency Span: Zero Span Sweep mode: Single Sweep Sweep time: 30 ms Sweep points: ⩾ 30 000 Trigger: Video (for burst signals) or Manual (for continuous signals Detector: RMS **Step 2:** Set a window where the start and stop indicators match the start and end of the burst with the highest level and record, the value of the power measured within this window. If the spurious emission to be measured is a continuous, transmission, the measurement window shall be set to the start and stop times of the sweep. **Step 3:** In case of conducted measurements on smart antenna systems (equipment with multiple receive chains), step 2 needs to be repeated for each of the active receive chains A_{ch}.Sum the measured power (within the observed window) for each of the active receive chains. **Step 4:** The value defined in step 3 shall be compared to the limits defined in table 5 and table 13.
Measurement Record:	Uncertainty: 4.64dB
Test mode:	Kept Rx in receiving mode
Test Instruments:	See section 6.0

Measurement Data:

Model No.: R8EF

The lowest channel				
Frequency (MHz)	**Spurious Emission**		**Limit (dBm)**	**Test Result**
	polarization	**Level(dBm)**		
221.885	Vertical	-80.49	2nW/ -57dBm below 1GHz, 20nW/ -47dBm above 1GHz.	Pass
387.403	V	-78.53		
2718.00	V	-65.28		
4441.00	V	-64.61		
7190.00	V	-56.35		
9894.00	V	-54.72		
134.260	Horizontal	-81.19		
501.202	H	-78.60		
2205.00	H	-63.20		
5083.00	H	-66.48		
6117.00	H	-57.72		
8905.00	H	-54.39		
The highest channel				
Frequency (MHz)	**Spurious Emission**		**Limit (dBm)**	**Test Result**
	polarization	**Level(dBm)**		
506.920	Vertical	-80.71	2nW/ -57dBm below 1GHz, 20nW/ -47dBm above 1GHz.	Pass
863.327	V	-76.52		
1032.00	V	-62.63		
3585.00	V	-62.80		
6611.00	V	-56.17		
9317.00	V	-57.15		
391.857	Horizontal	-81.78		
698.520	H	-79.60		
1389.00	H	-66.42		
3066.00	H	-64.96		
4403.00	H	-57.09		
8943.00	H	-56.55		

Model No.: F4FGM

The lowest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	polarization	Level(dBm)		
105.107	Vertical	-80.74	2nW/ -57dBm below 1GHz, 20nW/ -47dBm above 1GHz.	Pass
300.002	V	-78.62		
1303.00	V	-65.77		
2483.00	V	-65.02		
5379.00	V	-55.38		
1303.00	V	-54.48		
360.855	Horizontal	-80.89		
441.603	H	-79.73		
1471.00	H	-62.04		
2164.00	H	-63.95		
5866.00	H	-55.38		
8346.00	H	-55.66		
The highest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	polarization	Level(dBm)		
244.703	Vertical	-81.86	2nW/ -57dBm below 1GHz, 20nW/ -47dBm above 1GHz.	Pass
429.466	V	-79.71		
2433.00	V	-63.63		
2835.00	V	-62.13		
5740.00	V	-54.38		
9804.00	V	-55.13		
262.114	Horizontal	-80.76		
660.513	H	-79.71		
2723.00	H	-66.29		
4914.00	H	-62.90		
4213.00	H	-57.04		
6387.00	H	-54.40		

Model No.: R6FG

The lowest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	polarization	Level(dBm)		
144.154	Vertical	-78.69	2nW/ -57dBm below 1GHz, 20nW/ -47dBm above 1GHz.	Pass
576.975	V	-81.39		
1047.00	V	-65.38		
1440.00	V	-63.56		
4534.00	V	-57.90		
9386.00	V	-54.81		
334.402	Horizontal	-78.59		
418.442	H	-79.53		
1152.00	H	-66.22		
2493.00	H	-63.60		
4598.00	H	-57.96		
6062.00	H	-54.17		
The highest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	polarization	Level(dBm)		
236.879	Vertical	-80.39	2nW/ -57dBm below 1GHz, 20nW/ -47dBm above 1GHz.	Pass
848.954	V	-74.22		
3870.00	V	-65.49		
4122.00	V	-66.19		
7761.00	V	-56.24		
9686.00	V	-57.41		
129.092	Horizontal	-80.30		
442.642	H	-79.05		
1721.00	H	-62.96		
3691.00	H	-63.65		
6685.00	H	-57.96		
8587.00	H	-56.10		

Model No.: R6F

The lowest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	polarization	Level(dBm)		
405.522	Vertical	-78.38	2nW/ -57dBm below 1GHz, 20nW/ -47dBm above 1GHz.	Pass
829.550	V	-80.91		
3745.00	V	-66.63		
4175.00	V	-63.19		
5253.00	V	-56.69		
8982.00	V	-54.96		
380.571	Horizontal	-81.77		
820.254	H	-79.84		
2869.00	H	-65.87		
4294.00	H	-66.94		
5609.00	H	-56.52		
7946.00	H	-57.47		
The highest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	polarization	Level(dBm)		
273.050	Vertical	-79.02	2nW/ -57dBm below 1GHz, 20nW/ -47dBm above 1GHz.	Pass
683.217	V	-80.32		
2340.00	V	-65.02		
3023.00	V	-63.23		
6845.00	V	-57.07		
7532.00	V	-55.87		
443.957	Horizontal	-78.05		
808.282	H	-81.39		
1685.00	H	-63.82		
3126.00	H	-62.22		
4831.00	H	-56.48		
6812.00	H	-56.13		

Model No.: R7FG

The lowest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	polarization	Level(dBm)		
165.058	Vertical	-78.90	2nW/ -57dBm below 1GHz, 20nW/ -47dBm above 1GHz.	Pass
897.151	V	-81.47		
2621.00	V	-64.88		
3188.00	V	-65.59		
5756.00	V	-55.41		
7208.00	V	-57.61		
171.814	Horizontal	-80.60		
839.060	H	-73.78		
3385.00	H	-62.82		
4479.00	H	-62.09		
6280.00	H	-55.66		
9243.00	H	-57.77		
The highest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	polarization	Level(dBm)		
94.130	Vertical	-78.47	2nW/ -57dBm below 1GHz, 20nW/ -47dBm above 1GHz.	Pass
465.726	V	-81.56		
3604.00	V	-64.84		
3863.00	V	-65.89		
5471.00	V	-55.00		
7942.00	V	-55.09		
265.179	Horizontal	-79.12		
365.873	H	-79.22		
1858.00	H	-62.16		
2229.00	H	-63.76		
4433.00	H	-55.60		
8980.00	H	-54.60		

Model No.: R8F

The lowest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	polarization	Level(dBm)		
188.112	Vertical	-79.74	2nW/ -57dBm below 1GHz, 20nW/ -47dBm above 1GHz.	Pass
635.105	V	-79.42		
1617.00	V	-66.64		
3519.00	V	-63.04		
4851.00	V	-57.61		
5590.00	V	-56.18		
212.472	Horizontal	-78.62		
382.697	H	-81.74		
1700.00	H	-64.16		
4372.00	H	-66.15		
4701.00	H	-54.13		
5678.00	H	-56.32		
The highest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	polarization	Level(dBm)		
38.478	Vertical	-81.11	2nW/ -57dBm below 1GHz, 20nW/ -47dBm above 1GHz.	Pass
786.556	V	-78.85		
1101.00	V	-62.91		
3544.00	V	-66.19		
4292.00	V	-56.93		
6734.00	V	-57.44		
260.265	Horizontal	-80.79		
529.495	H	-79.24		
1207.00	H	-63.65		
3864.00	H	-65.08		
6585.00	H	-55.98		
8454.00	H	-57.54		

Model No.: R8FM

The lowest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	polarization	Level(dBm)		
223.20	Vertical	-79.80	2nW/ -57dBm below 1GHz, 20nW/ -47dBm above 1GHz.	Pass
655.11	V	-79.48		
1656.00	V	-66.76		
3533.00	V	-63.13		
4879.00	V	-57.70		
5522.00	V	-56.23		
267.33	Horizontal	-78.71		
551.20	H	-81.79		
1757.00	H	-64.21		
4389.00	H	-66.21		
5702.00	H	-54.22		
7980.00	H	-56.41		
The highest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	polarization	Level(dBm)		
68.59	Vertical	-81.25	2nW/ -57dBm below 1GHz, 20nW/ -47dBm above 1GHz.	Pass
699.50	V	-78.99		
1122.00	V	-62.96		
3515.00	V	-66.28		
4290.00	V	-56.98		
6757.00	V	-57.58		
562.68	Horizontal	-80.85		
690.20	H	-79.29		
1288.00	H	-63.79		
3890.00	H	-65.22		
6890.00	H	-56.03		
7859.00	H	-57.60		

7.2.2 Receiver Blocking

Test Requirement:	ETSI EN300 328clause 4.3.1.12
Test Method:	ETSI EN300 328clause 5.4.11.2.
Limit:	While maintaining the minimum performance criteria as defined in clause 4.3.1.12.3, the blocking levels at specifiedfrequency offsets shall be equal to or greater than the limits defined for the applicable receiver category provided intable 6, table 7 or table 8.

Table 6: Receiver Blocking parameters for Receiver Category 1 equipment

Wanted signal mean power from companion device (dBm) (see notes 1 and 4)	Blocking signal frequency (MHz)	Blocking signal power (dBm) (see note 4)	Type of blocking signal
(-133 dBm + 10 × $\log_{10}$(OCBW)) or -68 dBm whichever is less (see note 2)	2 380 2 504	-34	CW
(-139 dBm + 10 × $\log_{10}$(OCBW)) or -74 dBm whichever is less (see note 3)	2 300 2 330 2 360 2 524 2 584 2 674		

NOTE 1: OCBW is in Hz.
NOTE 2: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative test may be performed using a wanted signal up to P_{min} + 26 dB where P_{min} is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal.
NOTE 3: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative test may be performed using a wanted signal up to P_{min} + 20 dB where P_{min} is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal.
NOTE 4: The level specified is the level at the UUT receiver input assuming a 0 dBi antenna assembly gain. In case of conducted measurements, this level has to be corrected for the (in-band) antenna assembly gain (G). In case of radiated measurements, this level is equivalent to a power flux density (PFD) in front of the UUT antenna with the UUT being configured/positioned as recorded in clause 5.4.3.2.2.

Table 7: Receiver Blocking parameters receiver Category 2 equipment

Wanted signal mean power from companion device (dBm) (see notes 1 and 3)	Blocking signal frequency (MHz)	Blocking signal power (dBm) (see note 3)	Type of blocking signal
(-139 dBm + 10 × $\log_{10}$(OCBW) + 10 dB) or (-74 dBm + 10 dB) whichever is less (see note 2)	2 380 2 504 2 300 2 584	-34	CW

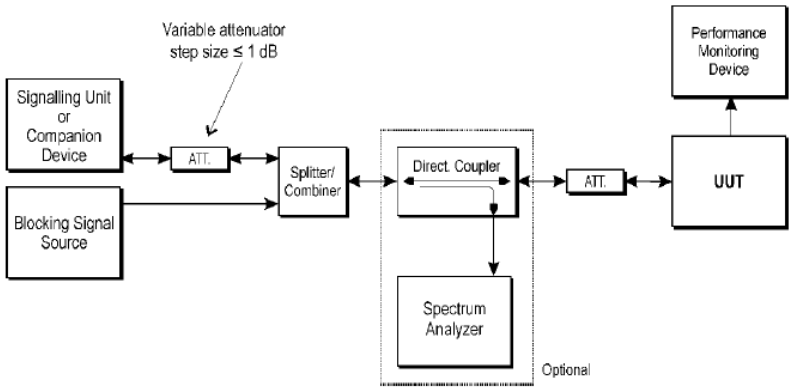
NOTE 1: OCBW is in Hz.
NOTE 2: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative test may be performed using a wanted signal up to P_{min} + 26 dB where P_{min} is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal.
NOTE 3: The level specified is the level at the UUT receiver input assuming a 0 dBi antenna assembly gain. In case of conducted measurements, this level has to be corrected for the (in-band) antenna assembly gain (G). In case of radiated measurements, this level is equivalent to a power flux density (PFD) in front of the UUT antenna with the UUT being configured/positioned as recorded in clause 5.4.3.2.2.

Table 8: Receiver Blocking parameters receiver Category 3 equipment

Wanted signal mean power from companion device (dBm) (see notes 1 and 3)	Blocking signal frequency (MHz)	Blocking signal power (dBm) (see note 3)	Type of blocking signal
(-139 dBm + 10 × $\log_{10}$(OCBW) + 20 dB) or (-74 dBm + 20 dB) whichever is less (see note 2)	2 380 2 504 2 300 2 584	-34	CW

NOTE 1: OCBW is in Hz.
NOTE 2: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative the test may be performed using a wanted signal up to P_{min} + 30 dB where P_{min} is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal.
NOTE 3: The level specified is the level at the UUT receiver input assuming a 0 dBi antenna assembly gain. In case of conducted measurements, this level has to be corrected for the (in-band) antenna assembly gain (G). In case of radiated measurements, this level is equivalent to a power flux density (PFD) in front of the UUT antenna with the UUT being configured/positioned as recorded in clause 5.4.3.2.2.

Test setup:



Test procedure:	Refer to the procedure of adaptivity
Measurement Record:	Uncertainty: N/A
Test Instruments:	See section 6.0
Test mode:	Normal link mode

Measurement Data:

Model No.: R8EF

Receiver Category	Test Channel	Pmin (dBm)	Blocking signal frequency (MHz)	Blocking signal power (dBm)	PER (%)	Limit (%)	Result
1	Lowest	-76	2380	-34	1.2	10	Pass
			2300	-34	1.9	10	Pass
			2330	-34	2.7	10	Pass
			2360	-34	3.3	10	Pass
	Highest	-82	2504	-34	2.9	10	Pass
			2524	-34	2.2	10	Pass
			2584	-34	1.7	10	Pass
			2674	-34	3.2	10	Pass

Model No.: F4FGM

Receiver Category	Test Channel	Pmin (dBm)	Blocking signal frequency (MHz)	Blocking signal power (dBm)	PER (%)	Limit (%)	Result
1	Lowest	-76	2380	-34	1.7	10	Pass
			2300	-34	2.2	10	Pass
			2330	-34	2.4	10	Pass
			2360	-34	3.7	10	Pass
	Highest	-82	2504	-34	1.2	10	Pass
			2524	-34	1.9	10	Pass
			2584	-34	3.9	10	Pass
			2674	-34	3.7	10	Pass

Model No.: R6FG

Receiver Category	Test Channel	Pmin (dBm)	Blocking signal frequency (MHz)	Blocking signal power (dBm)	PER (%)	Limit (%)	Result
1	Lowest	-76	2380	-34	2.8	10	Pass
			2300	-34	3.6	10	Pass
			2330	-34	1.5	10	Pass
			2360	-34	3.5	10	Pass
	Highest	-82	2504	-34	3.2	10	Pass
			2524	-34	2.2	10	Pass
			2584	-34	2.7	10	Pass
			2674	-34	1.6	10	Pass

Model No.: R6F

Receiver Category	Test Channel	Pmin (dBm)	Blocking signal frequency (MHz)	Blocking signal power (dBm)	PER (%)	Limit (%)	Result
1	Lowest	-76	2380	-34	3.6	10	Pass
			2300	-34	2.7	10	Pass
			2330	-34	1.9	10	Pass
			2360	-34	2.4	10	Pass
	Highest	-82	2504	-34	2.8	10	Pass
			2524	-34	1.7	10	Pass
			2584	-34	3.9	10	Pass
			2674	-34	1.1	10	Pass

Model No.: R7FG

Receiver Category	Test Channel	Pmin (dBm)	Blocking signal frequency (MHz)	Blocking signal power (dBm)	PER (%)	Limit (%)	Result
1	Lowest	-76	2380	-34	1.6	10	Pass
			2300	-34	1.2	10	Pass
			2330	-34	3.8	10	Pass
			2360	-34	1.5	10	Pass
	Highest	-82	2504	-34	3.1	10	Pass
			2524	-34	3.4	10	Pass
			2584	-34	2.4	10	Pass
			2674	-34	1.7	10	Pass

Model No.: R8F

Receiver Category	Test Channel	Pmin (dBm)	Blocking signal frequency (MHz)	Blocking signal power (dBm)	PER (%)	Limit (%)	Result
1	Lowest	-76	2380	-34	3.1	10	Pass
			2300	-34	2.1	10	Pass
			2330	-34	1.8	10	Pass
			2360	-34	3.4	10	Pass
	Highest	-82	2504	-34	3.2	10	Pass
			2524	-34	1.4	10	Pass
			2584	-34	1.3	10	Pass
			2674	-34	2.4	10	Pass

Model No.: R8FM

Receiver Category	Test Channel	Pmin (dBm)	Blocking signal frequency (MHz)	Blocking signal power (dBm)	PER (%)	Limit (%)	Result
1	Lowest	-76	2380	-34	3.2	10	Pass
			2300	-34	2.1	10	Pass
			2330	-34	1.9	10	Pass
			2360	-34	3.4	10	Pass
	Highest	-82	2504	-34	3.1	10	Pass
			2524	-34	1.5	10	Pass
			2584	-34	1.5	10	Pass
			2674	-34	2.2	10	Pass

8 Test setup photo

Reference to the **appendix I** for details.

9 EUT Constructional Details

Reference to the **appendix II** for details.

------End------