

TEST REPORT

Applicant: Skydroid Technology (Fujian) Co., Ltd.

Address of Applicant: Building E, No. 249, Keji Road, Fengze District, Quanzhou City, Fujian, China

Manufacturer: Skydroid Technology (Fujian) Co., Ltd.

Address of Manufacturer: Building E, No. 249, Keji Road, Fengze District, Quanzhou City, Fujian, China

Factory: Skydroid Technology (Fujian) Co., Ltd.

Address of Factory: Building E, No. 249, Keji Road, Fengze District, Quanzhou City, Fujian, China

Equipment Under Test (EUT)

Product Name: Remote control

Main Model No.: G30

Series Model No.: G30Pro,G30/G30Pro,GR03

Trade Mark: SKYDROID

Applicable standards: ETSI EN 300 328 V2.2.2 (2019-07)

Date of sample receipt: June 13, 2026

Date of Test: June 13, 2026~ June 30, 2026

Date of report issue: June 30, 2026

Test Result : PASS *

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

Authorized Signature:

Robinson Luo

Laboratory Manager

This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

2 Version

Version No.	Date	Description
00	June 30, 2026	Original

Tested By:

Jaeth. Gai

Date:

June 30, 2026

Test Engineer

Prepared By:

Josantle

Date:

June 30, 2026

Project Engineer

Check By:

Robinson

Date:

June 30, 2026

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	PASS
Power Spectral Density	Clause 4.3.2.3	Clause 5.4.3.2	10dBm/MHz	±3dB	PASS
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	--	PASS
Occupied Channel Bandwidth	Clause 4.3.2.7	Clause 5.4.7.2	Clause 4.3.2.7.3	±5 %	PASS
Transmitter unwanted emissions in the OOB domain	Clause 4.3.2.8	Clause 5.4.8.2	Clause 4.3.2.8.3	±3dB	PASS
Transmitter unwanted emissions in the spurious domain	Clause 4.3.2.9	Clause 5.4.9.2	Clause 4.3.2.9.3	±6dB	PASS
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)

5 General Information

5.1 General Description of EUT

Product Name:	Remote control
Model No.:	G30Pro,G30/G30Pro,GR03
Test Model No.:	G30
Remark:All the models are electrical identical including the same software parameter and hardware design, Only the model name is different.	
Operation Frequency:	2.4G SRD 10MHz: 2411-2466MHz 2.4G SRD 20MHz: 2411-2466MHz
Channel numbers:	2.4G SRD 10MHz: 6 2.4G SRD 20MHz: 6
Modulation technology:	GFSK
Antenna Type:	External antenna
Antenna gain:	ANT 1: 5.20dBi ANT 2: 5.20dBi
Power supply:	AC220V~50/60Hz, 1.0A

Disclaimer statement:

1. Antenna gain information provided by the customer, and the laboratory is not responsible for its authenticity.
2. The information in this section is provided by the applicant or manufacturer, GTS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2411MHz	3	2433MHz	5	2455MHz	/	/
2	2422MHz	4	2444MHz	6	2466MHz	/	/

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Test channel	Frequency (MHz)	
	2.4G SRD 10MHz	2.4G SRD 20MHz
Lowest channel	2411MHz	2411MHz
Middle channel	2433MHz	2433MHz
Highest channel	2466MHz	2466MHz

5.2 Test Facility

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

• **FCC—Registration No.: 381383**

Designation Number: CN5029

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.

• **ISED—Registration No.: 9079A**

CAB identifier: CN0091

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of ISED for radio equipment testing

• **NVLAP (LAB CODE:600179-0)**

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).

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.

5.8 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	$\pm 7.25 \times 10^{-8}$
2	Duty cycle	$\pm 0.37\%$
3	Occupied Bandwidth	$\pm 3\%$
4	RF conducted power	$\pm 0.75\text{dB}$
5	RF power density	$\pm 3\text{dB}$
6	Conducted Spurious emissions	$\pm 2.58\text{dB}$
7	AC Power Line Conducted Emission	$\pm 3.44\text{dB}$ (0.15MHz ~ 30MHz)
8	Radiated Spurious emission test	$\pm 3.1\text{dB}$ (9kHz-30MHz)
		$\pm 3.8039\text{dB}$ (30MHz-200MHz)
		$\pm 3.9679\text{dB}$ (200MHz-1GHz)
		$\pm 4.29\text{dB}$ (1GHz-18GHz)
		$\pm 3.30\text{dB}$ (18GHz-40GHz)
9	Temperature test	$\pm 1^\circ\text{C}$
10	Humidity test	$\pm 3\%$
11	Time	$\pm 3\%$

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	Apr. 10, 2026	Apr. 09, 2027
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	Apr. 10, 2026	Apr. 09, 2027
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9168	GTS640	Apr. 11, 2026	Apr. 10, 2027
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	Apr. 11, 2026	Apr. 10, 2027
6	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	Jul. 11, 2025	Jul 10, 2026
7	Loop Antenna	ZHINAN	ZN30900A	GTS534	Nov.22, 2025	Nov.21, 2026
8	Broadband Preamplifier	SCHWARZBECK	BBV9718	GTS535	Apr. 10, 2026	Apr. 09, 2027
9	Amplifier(1GHz-26.5GHz)	HP	8449B	GTS601	Apr. 10, 2026	Apr. 09, 2027
10	Horn Antenna (18GH-40GHz)	Schwarzbeck	BBHA 9170	GTS691	Apr. 11, 2026	Apr. 10, 2027
11	FSV-Signal Analyzer (10Hz-40GHz)	Keysight	FSV-40-N	GTS666	Mar. 10, 2026	Mar. 09, 2027
12	Amplifier	/	LNA-1000-30S	GTS650	Apr. 10, 2026	Apr. 09, 2027
13	CDNE M2+M3-16A	HCT	30MHz-300MHz	GTS692	Nov. 24, 2025	Nov. 23, 2026
14	Wideband Amplifier	/	WDA-01004000-15P35	GTS602	Apr. 10, 2026	Apr. 09, 2027
15	Thermo meter	JINCHUANG	GSP-8A	GTS643	Apr. 13, 2026	Apr. 12, 2027
16	RE cable 1	GTS	N/A	GTS675	Jul. 11, 2025	Jul. 10, 2026
17	RE cable 2	GTS	N/A	GTS676	Jul. 11, 2025	Jul. 10, 2026
18	RE cable 3	GTS	N/A	GTS677	Jul. 11, 2025	Jul. 10, 2026
19	RE cable 4	GTS	N/A	GTS678	Jul. 11, 2025	Jul. 10, 2026
20	RE cable 5	GTS	N/A	GTS679	Jul. 11, 2025	Jul. 10, 2026
21	RE cable 6	GTS	N/A	GTS680	Jul. 11, 2025	Jul. 10, 2026
22	RE cable 7	GTS	N/A	GTS681	Jul. 11, 2025	Jul. 10, 2026
23	RE cable 8	GTS	N/A	GTS682	Jul. 11, 2025	Jul. 10, 2026
24	EMI Test Software	AUDIX	E3-6.100614a	GTS725	N/A	N/A

RF Conducted Test:						
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	Apr. 10, 2026	Apr. 09, 2027
2	EMI Test Receiver	R&S	ESCI 7	GTS552	Jun. 03, 2026	Jun. 02, 2027
3	PSA Series Spectrum Analyzer	Agilent	E4440A	GTS536	Apr. 10, 2026	Apr. 09, 2027
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	Apr. 10, 2026	Apr. 09, 2027
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	Apr. 10, 2026	Apr. 09, 2027
6	Wideband Power Meter	Keysight	N1924A	GTS673	Apr. 10, 2026	Apr. 09, 2027
7	USB RF Power Sensor	DARE	RPR3006W	GTS569	Apr. 10, 2026	Apr. 09, 2027
8	RF Switch Box	Shongyi	RFSW3003328	GTS571	Apr. 10, 2026	Apr. 09, 2027
9	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	Apr. 10, 2026	Apr. 09, 2027
10	Thermo meter	JINCHUANG	GSP-8A	GTS641	Apr. 14, 2026	Apr. 13, 2027
11	EXA Signal Analyzer	Keysight	N9010B	MY60241168	Nov. 01, 2025	Oct. 31, 2026

General used equipment:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Barometer	KUMAO	SF132	GTS647	Jul. 16, 2025	Jul. 15, 2026

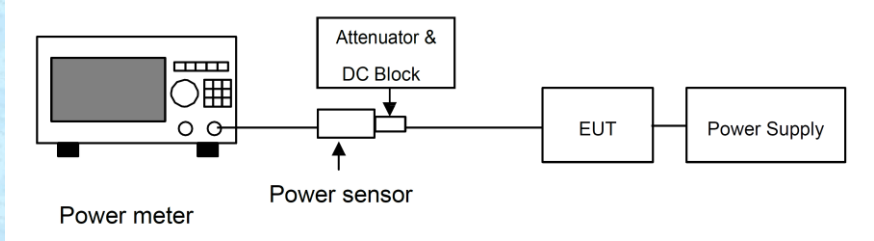
7 Radio Technical Specification in ETSI EN 300 328

7.1 Test Environment and Mode

Test mode:			
Transmitting mode:		Keep the EUT in transmitting mode with modulation.	
Receiving mode		Keep the EUT in receiving mode.	
Operating Environment:			
Item	Normal condition	Extreme condition	
		HT	LT
Temperature	+15°C to + 35°C	+55°C	-10°C
Humidity	20%-75%		
Atmospheric Pressure:	1008 mbar		

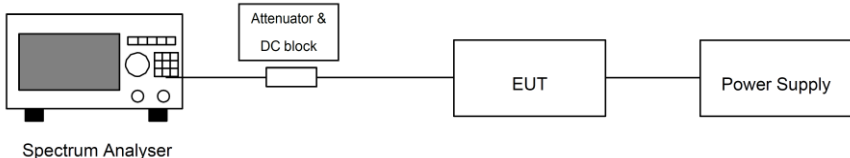
7.2 Transmitter Requirement

7.2.1 RF Output Power

Test Requirement:	ETSI EN 300 328 clause 4.3.2.2
Test Method:	ETSI EN 300 328 clause 5.4.2.2.1.2
Limit:	20dBm
Test setup:	 <pre> graph LR PM[Power meter] --- PS[Power sensor] PS --- AB[Attenuator & DC Block] AB --- EUT[EUT] EUT --- PSUP[Power Supply] </pre>
Test Instruments:	See section 6.0
Test mode:	Transmitting mode

Measurement Data: The detailed test data see Appendix for 2.4G SRD

7.2.2 Power Spectral Density

Test Requirement:	ETSI EN 300 328 clause 4.3.2.3
Test Method:	ETSI EN 300 328 clause 5.4.3.2.1
Limit:	10dBm/MHz
Test setup:	 <pre> graph LR SA[Spectrum Analyser] --- AB[Attenuator & DC block] AB --- EUT[EUT] EUT --- PS[Power Supply] </pre>
Test Instruments:	See section 6.0
Test mode:	Transmitting mode

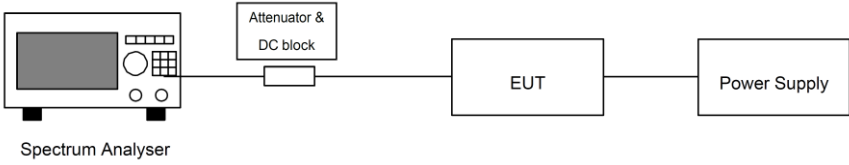
Measurement Data: The detailed test data see Appendix for 2.4G SRD

7.2.3 Adaptivity

Test Requirement:	ETSI EN 300 328 clause 4.3.2.6
Test Method:	ETSI EN 300 328 clause 5.4.6.2
Limit:	Clause 4.3.2.6.2.2 & Clause 4.3.2.6.3.2 & Clause 4.3.2.6.4.2
Test setup:	<pre> graph LR UUT[UUT] <--> SC1[Splitter/Combiner] SC1 --> SA[Spectrum Analyzer] SC1 --> DC[Direct Coupler] DC <--> ATT[ATT.] ATT <--> CD[Companion Device] SG1[Signal Generator Interferer] --> SC2[Splitter/Combiner] SG2[Signal Generator Blocker] --> SC2 SC2 --> DC </pre>
Test Instruments:	See section 6.0
Test mode:	Normal link mode

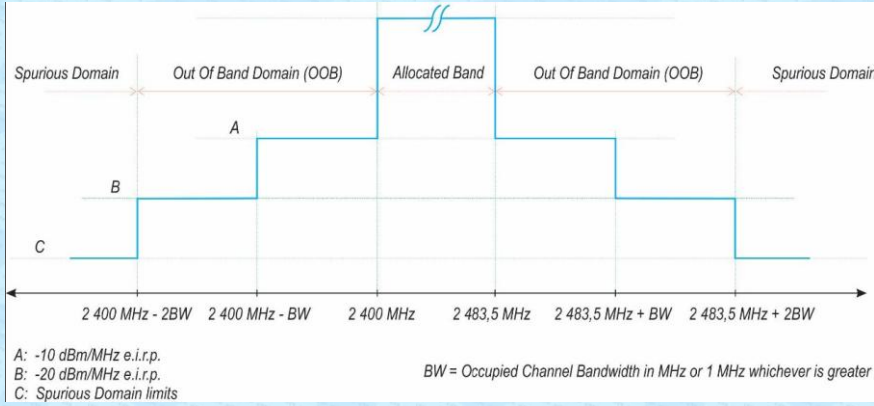
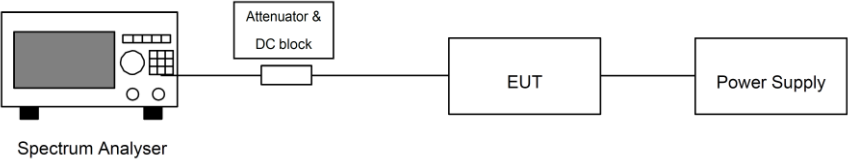
Measurement Data: The detailed test data see Appendix for 2.4G SRD

7.2.4 Occupied Channel Bandwidth

Test Requirement:	ETSI EN 300 328 clause 4.3.2.7
Limit:	The Occupied Channel Bandwidth for each hopping frequency shall fall completely within the band 2400MHz ~ 2483.5MHz. In addition, for non-adaptive equipment using wide band modulations other than FHSS and with e.i.r.p. greater than 10 dBm, the occupied channel bandwidth shall be less than 20 MHz.
Test setup:	 <pre> graph LR SA[Spectrum Analyser] --- AB[Attenuator & DC block] AB --- EUT[EUT] EUT --- PS[Power Supply] </pre>
Test Instruments:	See section 6.0
Test mode:	Transmitting mode

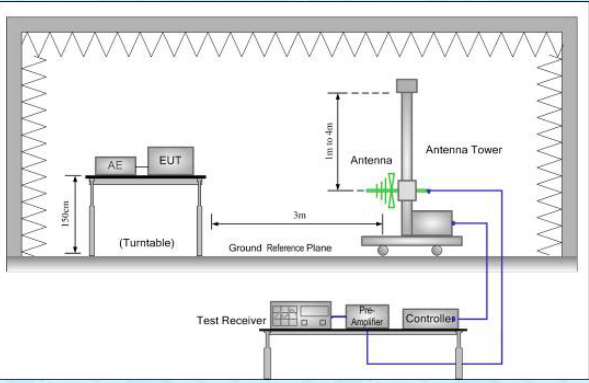
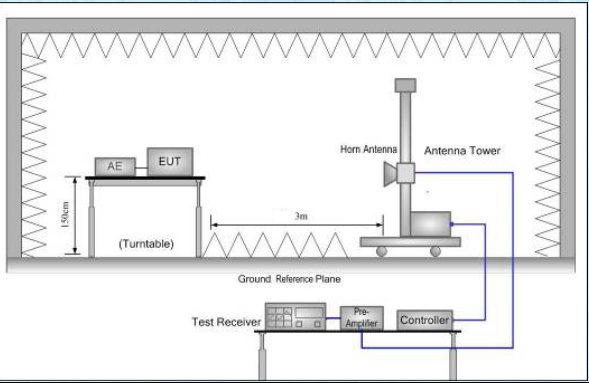
Measurement Data: The detailed test data see Appendix for 2.4G SRD

7.2.5 Transmitter unwanted emissions in the OOB domain

Test Requirement:	ETSI EN 300 328 clause 4.3.2.8
Test Method:	ETSI EN 300 328 clause 5.4.8.2
Limit:	The transmitter unwanted emissions in the out-of-band domain but outside the allocated band, shall not exceed the values provided by the mask in figure 1 Within the band specified in table 1, the Out-of-band emissions are fulfilled by compliance with the Occupied Channel Bandwidth requirement in clause 4.3.1.8.  A: -10 dBm/MHz e.i.r.p. B: -20 dBm/MHz e.i.r.p. C: Spurious Domain limits BW = Occupied Channel Bandwidth in MHz or 1 MHz whichever is greater
Test setup:	 Spectrum Analyser Attenuator & DC block EUT Power Supply
Test Instruments:	See section 6.0
Test mode:	Transmitting mode
Test results:	Pass

Measurement Data: The detailed test data see Appendix for 2.4G SRD

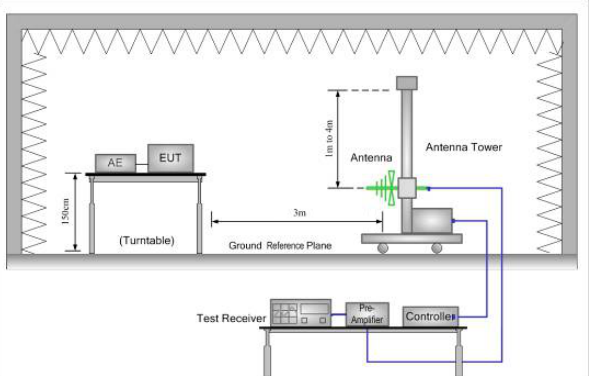
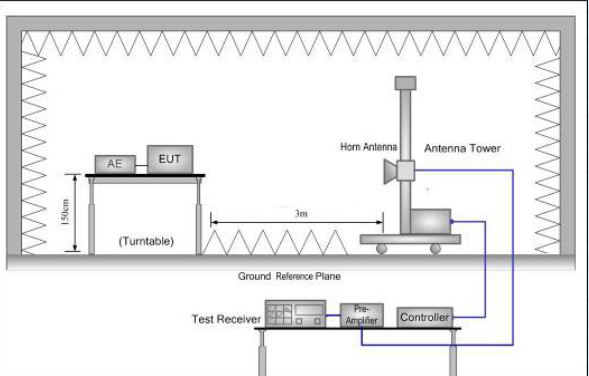
7.2.6 Transmitter unwanted emissions in the spurious domain

Test Requirement:	ETSI EN 300 328 clause 4.3.2.9		
Test Method:	ETSI EN 300 328 clause 5.4.9.2		
Limit:	Frequency Range	Maximum power e.r.p. (≤ 1 GHz) e.i.r.p. (> 1 GHz)	Bandwidth
	30 MHz to 47 MHz	-36 dBm	100 kHz
	47 MHz to 74 MHz	-54 dBm	100 kHz
	74 MHz to 87.5 MHz	-36 dBm	100 kHz
	87.5 MHz to 118 MHz	-54 dBm	100 kHz
	118 MHz to 174 MHz	-36 dBm	100 kHz
	174 MHz to 230 MHz	-54 dBm	100 kHz
	230 MHz to 470 MHz	-36 dBm	100 kHz
	470 MHz to 694 MHz	-54 dBm	100 kHz
	694 MHz to 1 GHz	-36 dBm	100 kHz
	1 GHz to 12.75 GHz	-30 dBm	1 MHz
Test Frequency range:	30MHz to 12.75GHz		
Test setup:	Below 1GHz  Above 1GHz 		
Test Instruments:	See section 6.0		
Test mode:	Transmitting mode		

Measurement Data: The detailed test data see Appendix for 2.4G SRD

7.3 Receiver Requirement

7.3.1 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 mode:	Receiving mode		
Test Instruments:	See section 6.0		

Measurement Data: The detailed test data see Appendix for 2.4G SRD

7.3.2 Receiver Blocking

Test Requirement:	ETSI EN300 328clause 4.3.2.11																		
Test Method:	ETSI EN300 328clause 5.4.11.2.																		
Limit:	While maintaining the minimum performance criteria as defined in clause 4.3.2.11.3, the blocking levels at specified frequency offsets shall be equal to or greater than the limits defined for the applicable receiver category provided in table 14, table 15 or table 16. Table 14: Receiver Blocking parameters for Receiver Category 1 equipment <table><tr><th>Wanted signal mean power from companion device (dBm) (see notes 1 and 4)</th><th>Blocking signal frequency (MHz)</th><th>Blocking signal power (dBm) (see note 4)</th><th>Type of blocking signal</th></tr><tr><td>$(-133 \text{ dBm} + 10 \times \log_{10}(\text{OCBW}))$ or -68 dBm whichever is less (see note 2)</td><td>2 380 2 504</td><td rowspan="2">-34</td><td rowspan="2">CW</td></tr><tr><td>$(-139 \text{ dBm} + 10 \times \log_{10}(\text{OCBW}))$ or -74 dBm whichever is less (see note 3)</td><td>2 300 2 330 2 360 2 524 2 584 2 674</td></tr></table> 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 $P_{\min} + 26 \text{ dB}$ 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 $P_{\min} + 20 \text{ dB}$ 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 15: Receiver Blocking parameters receiver Category 2 equipment <table><tr><th>Wanted signal mean power from companion device (dBm) (see notes 1 and 3)</th><th>Blocking signal frequency (MHz)</th><th>Blocking signal power (dBm) (see note 3)</th><th>Type of blocking signal</th></tr><tr><td>$(-139 \text{ dBm} + 10 \times \log_{10}(\text{OCBW}) + 10 \text{ dB})$ or $(-74 \text{ dBm} + 10 \text{ dB})$ whichever is less (see note 2)</td><td>2 380 2 504 2 300 2 584</td><td>-34</td><td>CW</td></tr></table> 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 $P_{\min} + 26 \text{ dB}$ 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.	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	$(-133 \text{ dBm} + 10 \times \log_{10}(\text{OCBW}))$ or -68 dBm whichever is less (see note 2)	2 380 2 504	-34	CW	$(-139 \text{ dBm} + 10 \times \log_{10}(\text{OCBW}))$ or -74 dBm whichever is less (see note 3)	2 300 2 330 2 360 2 524 2 584 2 674	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	$(-139 \text{ dBm} + 10 \times \log_{10}(\text{OCBW}) + 10 \text{ dB})$ or $(-74 \text{ dBm} + 10 \text{ dB})$ whichever is less (see note 2)	2 380 2 504 2 300 2 584	-34	CW
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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																
$(-139 \text{ dBm} + 10 \times \log_{10}(\text{OCBW}) + 10 \text{ dB})$ or $(-74 \text{ dBm} + 10 \text{ dB})$ whichever is less (see note 2)	2 380 2 504 2 300 2 584	-34	CW																

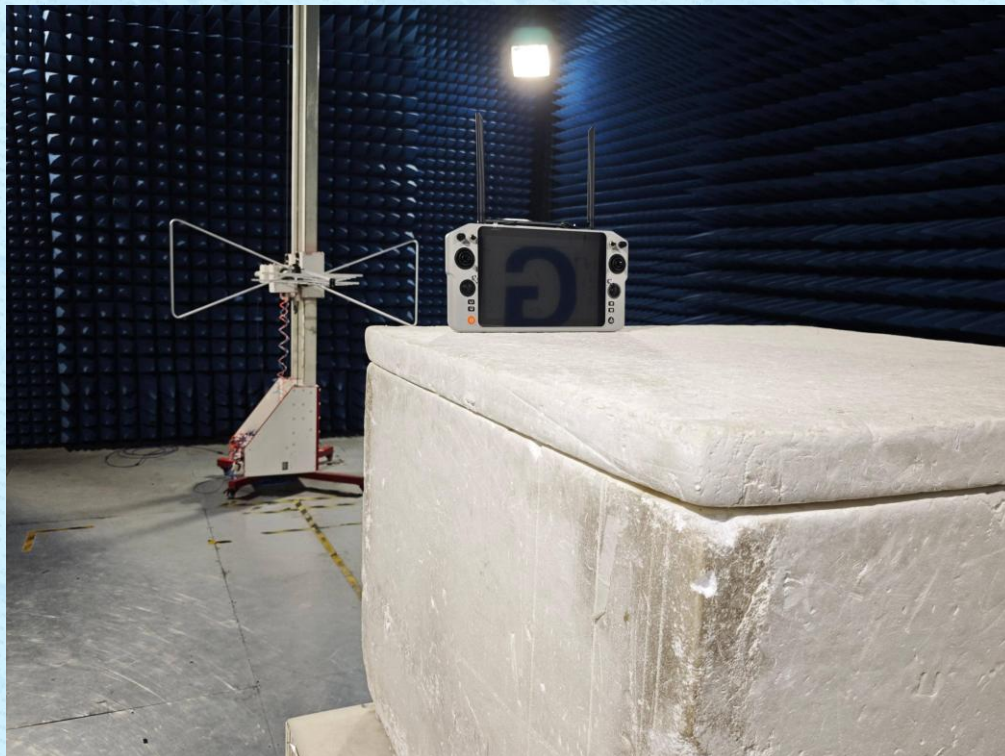
	Table 16: Receiver Blocking parameters receiver Category 3 equipment <table><tr><th>Wanted signal mean power from companion device (dBm) (see notes 1 and 3)</th><th>Blocking signal frequency (MHz)</th><th>Blocking signal power (dBm) (see note 3)</th><th>Type of blocking signal</th></tr><tr><td>(-139 dBm + 10 × log₁₀(OCBW) + 20 dB) or (-74 dBm + 20 dB) whichever is less (see note 2)</td><td>2 380 2 504 2 300 2 584</td><td>-34</td><td>CW</td></tr></table> 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} + 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.	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
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						
Test setup:	<pre>graph LR SUCD[Signalling Unit or Companion Device] <--> ATT1[ATT.] BSS[Blocking Signal Source] --> SC[Splitter/Combiner] ATT1 --> SC SC --> DC[Direct Coupler] SC --> SA[Spectrum Analyzer] DC --> ATT2[ATT.] ATT2 --> UUT[UUT] UUT --> PMD[Performance Monitoring Device]</pre>								
Test procedure:	For systems using multiple receive chains only one chain (antenna port) need to be tested. All other receiver inputs shall be terminated. The procedure in step 1 to step 6 below shall be used to verify the receiver blocking requirement as described in clause 4.3.1.12 or clause 4.3.2.11. Table 6, table 7 and table 8 in clause 4.3.1.12.4 contain the applicable blocking frequencies and blocking levels for each of the receiver categories for testing Receiver Blocking on frequency hopping equipment. Table 14, table 15 and table 16 in clause 4.3.2.11.4 contain the applicable blocking frequencies and blocking levels for each of the receiver categories for testing Receiver Blocking on equipment using wide band modulations other than FHSS. Step 1: For non-frequency hopping equipment, the UUT shall be set to the lowest operating channel. Step 2: The blocking signal generator is set to the first frequency as defined in the appropriate table corresponding to the receiver category and type of equipment. Step 3: With the blocking signal generator switched off, a communication link is established between the UUT and the associated companion device using the test setup shown in figure 6. The attenuation of the variable attenuator shall be increased in 1 dB steps to a value at which the minimum performance criteria as specified in clause 4.3.1.12.3 or clause 4.3.2.11.3 is still met. The resulting level for the wanted signal at the input								

	of the UUT is Pmin. This signal level (Pmin) is increased by the value provided in the table corresponding to the receiver category and type of equipment. Step 4: The blocking signal at the UUT is set to the level provided in the table corresponding to the receiver category and type of equipment. It shall be verified and recorded in the test report that the performance criteria as specified in clause 4.3.1.12.3 or clause 4.3.2.11.3 is met. Step 5: Repeat step 4 for each remaining combination of frequency and level for the blocking signal as provided in the table corresponding to the receiver category and type of equipment. Step 6: For non-frequency hopping equipment, repeat step 2 to step 5 with the UUT operating at the highest operating channel.
Test Instruments:	See section 6.0
Test mode:	Normal link mode

Measurement Data: The detailed test data see Appendix for 2.4G SRD

8 Test setup photo

Radiated Emission Below 1GHz



Radiated Emission Above 1GHz



RF Conducted Test



9 EUT Constructional Details

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

-----End-----