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GENERAL INFORMATION

FCCID: XKB-D5000CLWIBT

1.1. Product description

2_1 General hardware features.

2_1_1 Mechanical description

Dimensions and weight



Mechanical characteristics	External dimensions	187x82x68 mm
	Weight	340gr
	Casing material	PC/ABS



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2_1_4 Desk/5000 Technical description



Improved NFC antenna robustness, designed for reliable reading of mini-cards, fobs and NFC devices



Graphical 20L/S thermal printer with easy 40mm Large and clear 3.5" TFT HVGA 480 x 320 pixels

Resistive Touch screen

Anti-theft Kensington lock



Magnetic stripe reader ISO 123

16 extra-large white backlit keys, hard top with ADA / RNIB, keys with raised markings & dome tactile feedback



Native stylus holder on backside

EMV Smart card reader

Audio speaker out

Unique sliding trap door for connectors access, SIM, SAM and µSD



3.5mm stereo out audio jack for headset connection



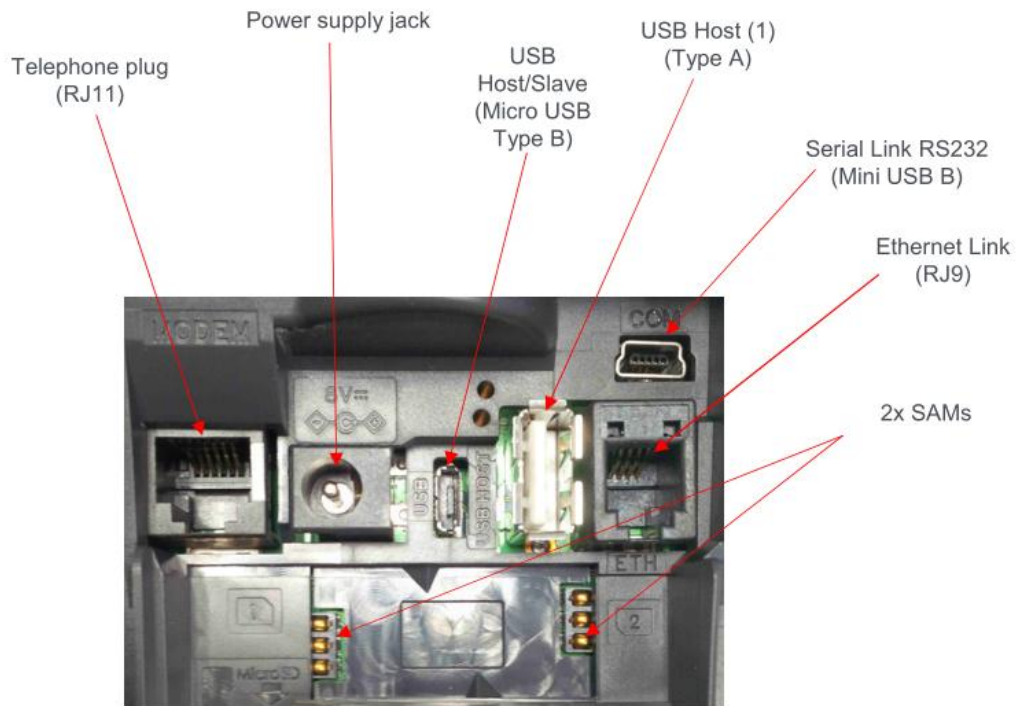
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3_Connectivity.

3_1 Wired connectivity

Desk/series is equipped with a choice of interface and power connector situated under trap below terminal.





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3_2 Wireless connectivity

- **Desk/5000** is also available with Bluetooth and/or Wifi
- Implementation of WiFi technology on a desktop product is a new feature and new trend following the setup box market. It brings together an efficient backup to the PSTN with high throughput and a technology which eases a lot the in shop implementation (no network cable needed)
- Implementation of Bluetooth technology on a desktop product is a new feature and allow any connection to external device such as tablets, cash register, bar code scanner....



3_2_1 Bluetooth

Bluetooth connection is optional in **Desk/5000** (in Roadmap for **Desk/3000**).

This feature is useful to wirelessly connect any kind of Bluetooth peripheral such as cash register, bar code scanner, tablet, smartphone.

Bluetooth connection is directly established between 2 devices (unlike WiFi).

Characteristic	Bluetooth 4.x
Chipset	Bluecore 8 from CSR
Standard compliance	Bluetooth 4.x – Class 2
Profile	SPP Other profile to be analysed on request



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Radio transfer rate	1 Mbit/s 2Mbit/s
Number of supported links	2 open link to PCL and 3 reserved for peripherals
Range	Class 2; Indoor: 10m typical

Bluetooth supported on **Desk**/series is technically able to support :

- Evolutions of the existing Bluetooth protocol (Classic Bluetooth)
- Bluetooth Low Energy specifications and evolutions

Anyway, at the moment PCI is not allowing the use of the LE mode at the moment.

3_2_2 Wifi

WiFi connection is optional in **Desk**/5000 (in Roadmap for **Desk**/3000).
 This feature is useful to wirelessly connect your terminal to the IP network avoiding the cabling task :



Characteristic	Dualband :2.4 GHz and 5 GHz Wi-Fi
Chipset	Marvell 88W8782
Standard compliance	802.11 a,b,g,n / SISO
Radio transfer rate	From 1 Mbit/s to 135 Mbit/s
Range	Indoor: 70m typical, mini 100m in free sight
Home security	WPA, WPA2
Enterprise security	EAP-MD5, EAP-TLS, EAP-TTLS, EAP-PEAPv0, EAP-SIM



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1.2. Tested System Details

The EUT can be used with different configuration:

- ✓ **Initial fonctionnalités**
 - Cless Interface (RFID)
 - Bluetooth chipset: CSR8811 (CSR)
 - SAM1 & SAM2 readers
 - Host or slave (μ USB connector)
 - USB Host (Type A connector)
 - RS232 (COM1)
 - Modem RTC
 - Ethernet
- ✓ **With option card (internal)**
 - RS232-COM2
 - Jack Audio
 - SAM3
 - Bluetooth chipset: CSR8811 (CSR)
 - Chipset Marvell 88W8782
- ✓ **1 power supply**
 - PSM32W-080L6IN-R-

Equipment under test (EUT):

Erreur ! Source du renvoi introuvable.

Serial Number: Erreur ! Source du renvoi introuvable.



Photography of EUT

Power supply:

During all the tests, EUT is supplied by V_{nom} : 8VDC

For measurement with different voltage, it will be presented in test method.

Name	Type	Rating	Reference / Sn	Comments
Supply_P hihong	<input checked="" type="checkbox"/> AC <input type="checkbox"/> DC <input type="checkbox"/> Battery	100-240V 50/60Hz	PHIHONG : PSM32W-080L6IN- R-	-



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Inputs/outputs - Cable:

Access	Type	Length used (m)	Declared <3m	Shielded	Under test	Comments
Supply_Phihong	Input AC, 2 wires	1.8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Output DC, Jack	1.8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Twist cable to Magicbox	Power supply Jack	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Supply Terminal
	RJ11					COM0
	RJ45					Ethernet line
	RJ11					Modem line
SAM1	SAM card	/	/	/	<input checked="" type="checkbox"/>	/
SAM2	SAM card	/	/	/	<input checked="" type="checkbox"/>	/
SAM3	SAM card	/	/	/	<input checked="" type="checkbox"/>	/
CAM0	SAM card	/	/	/	<input checked="" type="checkbox"/>	/
USB	USB port (Micro-B)	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	/
USB HOST	USB port (Type A)	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	/
MicroSD	Micro SD port	/	/	/	<input checked="" type="checkbox"/>	/
COM2	Mini USB	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	/
Audio	Audio Jack 3.5mm	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	/

Inputs/outputs & Cable: Magicbox 51/2014 CUST P/N: 296165425 INGELEC P/N : MUL0885C

Access	Type	Length used (m)	Declared <3m	Shielded	Under test	Comments
Supply Magicbox	Power supply Jack	1.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	/
COM0	RJ11	3	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	/
Ethernet	RJ45	5	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	/
Modem	RJ11	5	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	/
Magicbox cable twisted	Twist cable	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	/

Auxiliary equipment used during test:

Type	Reference	Sn	Comments
Contactless Card	-	-	-



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Equipment information: RFID

Frequency band:	<input checked="" type="checkbox"/> [13.553–13.567]MHz	<input type="checkbox"/> [125]kHz	<input type="checkbox"/> [-] MHz
Sub-band REC7003:	<input checked="" type="checkbox"/> Annex 9 (j)	<input type="checkbox"/> Annex 9 (a3)	<input type="checkbox"/> Annex ()
RF mode:	<input type="checkbox"/> Transmitter	<input checked="" type="checkbox"/> Transceiver	<input type="checkbox"/> Receiver
Type:	<input checked="" type="checkbox"/> RFID	<input type="checkbox"/> EAS	<input type="checkbox"/> WPT
Bandwidth:	<input checked="" type="checkbox"/> Narrowband (ISO15693, ISO18000-3...)		<input type="checkbox"/> Wideband (ISO14443, NFC...)
Product class § 7.1.4	<input type="checkbox"/> 1	<input checked="" type="checkbox"/> 2	<input type="checkbox"/> 3
Receiver classification § 4.1.1:	<input type="checkbox"/> 1	<input checked="" type="checkbox"/> 2	<input type="checkbox"/> 3
Equipment intended for use as a	<input checked="" type="checkbox"/> Fixed station		<input type="checkbox"/> Mobile station
Type of equipment:	<input checked="" type="checkbox"/> Stand-alone	<input type="checkbox"/> Plug-in	<input type="checkbox"/> Combined
Antenna Type:	<input type="checkbox"/> External		<input checked="" type="checkbox"/> Internal
Antenna connector:	<input type="checkbox"/> Permanent external	<input type="checkbox"/> Permanent internal	<input checked="" type="checkbox"/> None
Antenna Gain:	NC dBi		
Duty cycle:	<input type="checkbox"/> Continuous duty	<input type="checkbox"/> Intermittent duty	<input checked="" type="checkbox"/> Continuous operation
Equipment type:	<input checked="" type="checkbox"/> Production model		<input type="checkbox"/> Prototype
Temperature range:	Tmin:	<input checked="" type="checkbox"/> -20°C	<input type="checkbox"/> 0°C
	Tnom:	20°C	
	Tmax:	<input type="checkbox"/> 35°C	<input checked="" type="checkbox"/> 55°C
Type of power source:	<input checked="" type="checkbox"/> AC power supply	<input type="checkbox"/> DC power supply	<input type="checkbox"/> Battery (Select type)
Test source voltage:	Vmin:	<input checked="" type="checkbox"/> 207V/50Hz	<input type="checkbox"/> VDC
	Vnom:	<input checked="" type="checkbox"/> 230V/50Hz	<input type="checkbox"/> VDC
	Vmax:	<input checked="" type="checkbox"/> 253V/50Hz	<input type="checkbox"/> VDC

NC : not communicated.



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Equipment information: Bluetooth

Bluetooth Classic Type:	<input type="checkbox"/> v1.2	<input type="checkbox"/> v2.0	<input type="checkbox"/> v2.1+EDR	<input type="checkbox"/> v3.0+HS
	<input type="checkbox"/> v4.0	<input checked="" type="checkbox"/> v4.1		<input type="checkbox"/> v4.2
Frequency band:	[2400 – 2483.5] MHz			
Sub-band REC7003:	Annex 3 (a)			
Spectrum Modulation:	<input checked="" type="checkbox"/> FHSS			
Number of Channel:	Maximum:	79	Minimum:	20
Spacing channel:	1 MHz			
Channel bandwidth:	1 MHz			
Antenna Type:	<input checked="" type="checkbox"/> Integral	<input type="checkbox"/> External	<input type="checkbox"/> Dedicated	
Antenna connector:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Temporary for test	
Transmit chains:	<input checked="" type="checkbox"/> 1			
	Single antenna Gain: 0 dBi			
Beam forming gain:	No			
Receiver chains	1			
Type of equipment:	<input checked="" type="checkbox"/> Stand-alone	<input type="checkbox"/> Plug-in	<input type="checkbox"/> Combined	
Ad-Hoc mode:	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No	
Dwell time:	400ms			
Duty cycle:	<input checked="" type="checkbox"/> Continuous duty	<input type="checkbox"/> Intermittent duty	<input type="checkbox"/> 100% duty	
Equipment type:	<input checked="" type="checkbox"/> Production model		<input type="checkbox"/> Pre-production model	
Operating temperature range:	Tmin:	<input checked="" type="checkbox"/> -20°C	<input type="checkbox"/> 0°C	<input type="checkbox"/> X°C
	Tnom:	20°C		
	Tmax:	<input type="checkbox"/> 35°C	<input checked="" type="checkbox"/> 55°C	<input type="checkbox"/> X°C
Type of power source:	<input type="checkbox"/> AC power supply	<input type="checkbox"/> DC power supply	<input type="checkbox"/> Battery	
Operating voltage range:	Vnom:	<input checked="" type="checkbox"/> 230V/50Hz	<input type="checkbox"/> XVdc	
Geo-location capability:	<input type="checkbox"/> Yes (The geographical location determined by the equipment is not accessible to the end user as defined in section 4.3.1.13.2 of ETSI EN 300 328 V1.9.1 standard)			<input checked="" type="checkbox"/> No



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CHANNEL PLAN					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Cmin: 0	2402	27	2429	54	2456
1	2403	28	2430	55	2457
2	2404	29	2431	56	2458
3	2405	30	2432	57	2459
4	2406	31	2433	58	2460
5	2407	32	2434	59	2461
6	2408	33	2435	60	2462
7	2409	34	2436	61	2463
8	2410	35	2437	62	2464
9	2411	36	2438	63	2465
10	2412	37	2439	64	2466
11	2413	38	2440	65	2467
12	2414	Cmid: 39	2441	66	2468
13	2415	40	2442	67	2469
14	2416	41	2443	68	2470
15	2417	42	2444	69	2471
16	2418	43	2445	70	2472
17	2419	44	2446	71	2473
18	2420	45	2447	72	2474
19	2421	46	2448	73	2475
20	2422	47	2449	74	2476
21	2423	48	2450	75	2477
22	2424	49	2451	76	2478
23	2425	50	2452	77	2479
24	2426	51	2453	Cmax: 78	2480
25	2427	52	2454		
26	2428	53	2455		



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Equipment information: 2.4GHz Wifi

Type:	WIFI				
Frequency band:	[2400 – 2483.5] MHz				
Sub-band REC7003:	Annex 3 (a)				
Standard:	<input checked="" type="checkbox"/> 802.11b	<input checked="" type="checkbox"/> 802.11g	<input checked="" type="checkbox"/> 802.11n HT20	<input checked="" type="checkbox"/> 802.11n HT40	
Spectrum Modulation:	<input checked="" type="checkbox"/> DSSS			<input checked="" type="checkbox"/> OFDM	
Number of Channel:	13				
Spacing channel:	5 MHz				
Channel bandwidth:	<input checked="" type="checkbox"/> 20MHz			<input checked="" type="checkbox"/> 40MHz	
Antenna Type:	<input checked="" type="checkbox"/> Integral		<input type="checkbox"/> External		<input type="checkbox"/> Dedicated
Antenna connector:	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Temporary for test
Transmit chains:	<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	
	<input checked="" type="checkbox"/> Single antenna		<input type="checkbox"/> Symmetrical		<input type="checkbox"/> Asymmetrical
	Gain 1: 0.8 dBi	Gain 2: dBi	Gain 3: dBi	Gain 4: dBi	Accumulated Gain: dBi
Beam forming gain:	<input type="checkbox"/> Yes: dB			<input checked="" type="checkbox"/> No	
Receiver chains	<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	
Type of equipment:	<input type="checkbox"/> Stand-alone		<input checked="" type="checkbox"/> Plug-in		<input type="checkbox"/> Combined
Ad-Hoc mode:	<input type="checkbox"/> Yes			<input checked="" type="checkbox"/> No	
Adaptivity mode:	<input checked="" type="checkbox"/> Yes (Load Based)		<input type="checkbox"/> Off mode		<input type="checkbox"/> No
	Clear Channel Assessment Time				20 μ s or more
Duty cycle:	<input checked="" type="checkbox"/> Continuous duty		<input type="checkbox"/> Intermittent duty		<input type="checkbox"/> 100% duty
Equipment type:	<input checked="" type="checkbox"/> Production model			<input type="checkbox"/> Pre-production model	
Operating temperature range:	Tmin:	<input checked="" type="checkbox"/> -20°C	<input type="checkbox"/> 0°C	<input type="checkbox"/> X°C	
	Tnom:	20°C			
	Tmax:	<input type="checkbox"/> 35°C	<input checked="" type="checkbox"/> 55°C	<input type="checkbox"/> X°C	
Type of power source:	<input checked="" type="checkbox"/> AC power supply		<input type="checkbox"/> DC power supply		<input type="checkbox"/> Battery
Operating voltage range:	Vnom:		<input checked="" type="checkbox"/> 230V/50Hz		<input type="checkbox"/> Vdc
Geo-location capability:	<input type="checkbox"/> Yes (The geographical location determined by the equipment is not accessible to the end user as defined in section 4.3.2.12.2 of ETSI EN 300 328 V1.9.1 standard)				<input checked="" type="checkbox"/> No



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CHANNEL PLAN	
802.11b / 802.11g / 802.11n HT20	
Channel	Frequency (MHz)
Cmin: 1	2412
2	2417
3	2422
4	2427
5	2432
Cmid: 6	2437
7	2442
8	2447
9	2452
10	2457
Cmax: 11	2462

CHANNEL PLAN	
802.11n HT40	
Channel	Frequency (MHz)
Cmin: 3	2422
4	2427
5	2432
Cmid: 6	2437
7	2442
8	2447
Cmax: 9	2452



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Equipment information: 5GHz Wifi

Type:	WIFI			
Frequency band:	<input checked="" type="checkbox"/> 5150MHz-5250MHz	<input checked="" type="checkbox"/> 5250MHz-5350MHz	<input checked="" type="checkbox"/> 5470MHz-5725MHz	
Standard:	<input checked="" type="checkbox"/> 802.11a	<input checked="" type="checkbox"/> 802.11n HT20	<input checked="" type="checkbox"/> 802.11n HT40	
	<input type="checkbox"/> 802.11ac VHT20	<input type="checkbox"/> 802.11ac VHT40	<input type="checkbox"/> 802.11ac VHT80	
	<input type="checkbox"/> 802.11ac VHT160			
Spectrum Modulation:	<input checked="" type="checkbox"/> OFDM			
Channel bandwidth:	<input checked="" type="checkbox"/> 20MHz	<input checked="" type="checkbox"/> 40MHz	<input type="checkbox"/> 80MHz	<input type="checkbox"/> 160MHz
Antenna Type:	<input checked="" type="checkbox"/> Integral	<input type="checkbox"/> External	<input type="checkbox"/> Dedicated	
Antenna connector:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Temporary for test	
Transmit chains:	<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
	<input type="checkbox"/> 5	<input type="checkbox"/> 6	<input type="checkbox"/> 7	<input type="checkbox"/> 8
	<input checked="" type="checkbox"/> Single antenna	<input type="checkbox"/> Symmetrical	<input type="checkbox"/> Asymmetrical	
	Gain 1: 1.5dBi	Gain 2: X dBi	Gain 3: X dBi	Gain 4: X dBi
	Gain 5: X dBi	Gain 6: X dBi	Gain 7: X dBi	Gain 8: X dBi
Accumulated Gain: 1.5 dBi				
Beam forming gain:	<input type="checkbox"/> Yes: X dB		<input checked="" type="checkbox"/> No	
TPC:	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No	
Receiver chains	<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
	<input type="checkbox"/> 5	<input type="checkbox"/> 6	<input type="checkbox"/> 7	<input type="checkbox"/> 8
Type of equipment:	<input checked="" type="checkbox"/> Stand-alone	<input type="checkbox"/> Plug-in	<input type="checkbox"/> Combined	
Ad-Hoc mode:	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No	
Duty cycle:	<input checked="" type="checkbox"/> Continuous duty	<input type="checkbox"/> Intermittent duty	<input type="checkbox"/> 100% duty	
Unmodulated mode:	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No	
Equipment type:	<input checked="" type="checkbox"/> Production model		<input type="checkbox"/> Pre-production model	
Operating temperature range:	Tmin:	<input checked="" type="checkbox"/> -20°C	<input type="checkbox"/> 0°C	<input type="checkbox"/> X °C
	Tnom:	20°C		
	Tmax:	<input type="checkbox"/> 35°C	<input checked="" type="checkbox"/> 55°C	<input type="checkbox"/> X °C
Type of power source:	<input checked="" type="checkbox"/> AC power supply	<input type="checkbox"/> DC power supply	<input checked="" type="checkbox"/> Battery Battery Type	
Operating voltage range:	Vmin:	<input checked="" type="checkbox"/> 207V/50Hz	<input type="checkbox"/> 3.2 Vdc	
	Vnom:	<input checked="" type="checkbox"/> 230V/50Hz	<input type="checkbox"/> 3.7 Vdc	
	Vmax:	<input checked="" type="checkbox"/> 253V/50Hz	<input type="checkbox"/> 4.2 Vdc	
Mode:	<input type="checkbox"/> Master	<input type="checkbox"/> Slave with radar detection	<input checked="" type="checkbox"/> Slave without radar detection	
Fixed outdoor P to P/M application:	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No	
System architectures:	<input checked="" type="checkbox"/> IP based		<input type="checkbox"/> Frame based	
Off-channel CAC function:	<input type="checkbox"/> Yes (Off-Channel CAC Time: X hours)		<input checked="" type="checkbox"/> No	
Fixed outdoor P to P/M application:	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No	
User access restriction:	<input type="checkbox"/> Yes (The DFS settings are not accessible to the end user if changing those settings result in no longer being compliant with DFS requirement in clause 4.7 of ETSI EN 301 893 V1.8.1)		<input checked="" type="checkbox"/> No	
Geo-location capability:	<input type="checkbox"/> Yes (The geographical location determined by the equipment is not accessible to the end user as defined in section 4.10.2 of ETSI EN 301 893 V1.8.1 standard)		<input checked="" type="checkbox"/> No	



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CHANNEL PLAN		
802.11a / 802.11n HT20/ 802.11ac VHT20		
Channel	Frequency (MHz)	Available Channel
C1=36	5180	<input checked="" type="checkbox"/>
C2=40	5200	<input checked="" type="checkbox"/>
44	5220	<input checked="" type="checkbox"/>
C3=48	5240	<input checked="" type="checkbox"/>
C4=52	5260	<input checked="" type="checkbox"/>
56	5280	<input checked="" type="checkbox"/>
C5=60	5300	<input checked="" type="checkbox"/>
C6=64	5320	<input checked="" type="checkbox"/>
C7=100	5500	<input checked="" type="checkbox"/>
104	5520	<input checked="" type="checkbox"/>
108	5540	<input checked="" type="checkbox"/>
112	5560	<input checked="" type="checkbox"/>
C8=116	5580	<input checked="" type="checkbox"/>
120	5600	<input type="checkbox"/>
124	5620	<input type="checkbox"/>
128	5640	<input type="checkbox"/>
132	5660	<input checked="" type="checkbox"/>
136	5680	<input checked="" type="checkbox"/>
C9=140	5700	<input checked="" type="checkbox"/>
C10=144	5720	<input type="checkbox"/>
C11=149	5745	<input type="checkbox"/>
153	5765	<input type="checkbox"/>
C12=157	5785	<input type="checkbox"/>
161	5805	<input type="checkbox"/>
C13=165	5825	<input type="checkbox"/>



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CHANNEL PLAN		
802.11n HT40/ 802.11ac VHT40		
Channel	Frequency (MHz)	Available Channel
C14=36+40	5190	<input checked="" type="checkbox"/>
C15=44+48	5230	<input checked="" type="checkbox"/>
C16=52+56	5270	<input checked="" type="checkbox"/>
C17=60+64	5310	<input checked="" type="checkbox"/>
C18=100+104	5510	<input checked="" type="checkbox"/>
C19=108+112	5550	<input checked="" type="checkbox"/>
116+120	5590	<input type="checkbox"/>
124+128	5630	<input type="checkbox"/>
C20=132+136	5670	<input checked="" type="checkbox"/>
C21=140+144	5710	<input type="checkbox"/>
C22=149+153	5755	<input type="checkbox"/>
C23=157+161	5795	<input type="checkbox"/>

CHANNEL PLAN		
802.11ac VHT80		
Channel	Frequency (MHz)	Available Channel
C24=36+40+44+48	5210	<input type="checkbox"/>
C25=52+56+60+64	5290	<input type="checkbox"/>
C26=100+104+108+112	5530	<input type="checkbox"/>
C27=116+120+124+128	5610	<input type="checkbox"/>
C28=132+136+140+144	5690	<input type="checkbox"/>
C29=149+153+157+161	5775	<input type="checkbox"/>

CHANNEL PLAN		
802.11ac VHT160		
Channel	Frequency (MHz)	Available Channel
C30=36+40+44+48+52+56+60+64	5250	<input type="checkbox"/>
C31=100+104+108+112+116+120+124+128	5570	<input type="checkbox"/>

No DFS Channel
DFS Channel
Weather DFS Channel (Not Authorised for RSS-247)



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1.3. Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4 or ANSI C63.10, FCC Part 15 Subpart C.

Radiated testing was performed at an antenna to EUT distance of 10 meters. During testing, all equipment's and cables were moved relative to each other in order to identify the worst case set-up.

1.4. Test facility

Tests have been performed from **August 01st to November 17th, 2016.**

This test facility has been fully described in a report and accepted by FCC as compliant with the radiated and AC line conducted test site criteria in ANSI C63.4 and ANSI C63.10 (registration number 94821).

This test facility has also been accredited by COFRAC (French accreditation authority for European Union test lab accreditation organization) according to NF EN ISO/IEC 17025, accreditation number 1-1633 as compliant with test site criteria and competence in 47 CFR Part 15/ANSI C63.4 and EN55022/CISPR22 norms for 89/336/EEC European EMC Directive application. All pertinent data for this test facility remains unchanged.