

Measurements Results

No.1-3180/21-01-02_Annex_Channel Power

Test logging

This document is electronically signed and valid without handwritten signature.
For verification of the electronic signatures, the public keys can be requested at the testing laboratory.

Document authorized:

Test/s performed:

Thomas Vogler
Lab Manager
Radio Labs

Meheza Walla
Lab Manager
Radio Labs

Table of Content

EUT Information	3
Systems FCC # Channel Power ~ FCC Channel Power Normal Mode 76000-81000 MHz	4
Systems FCC # Channel Power ~ FCC Channel Power High Mode 76000-81000 MHz	6
Systems FCC # Channel Power ~ FCC Channel Power Fast Mode 76000-81000 MHz	8

EUT Information

EUT DEFINITION

Manufacturer	ifm electronic gmbh
Type	R1D200 (TR23)
Serial Number	000000000097
Setup Number	1.0
Version SW	NI
Version FW	NI
Version HW	NI
Comment 1	
Comment 2	
Temperature [°C] Min	-40
Temperature [°C] Nom	20
Temperature [°C] Max	85
Voltage [V] Min	10
Voltage [V] Nom	24
Voltage [V] Max	30

Systems FCC # Channel Power ~ FCC Channel Power Normal Mode 76000-81000 MHz

Test References

TC Start	16.03.2023 16:26:18
Ambit Temp [°C] Humidity [rel%]	not enabled not enabled
System Version	4.0.0.1
Test Specification	Systems FCC -
Test Method	
TC Version	0.0.1
My Description	Systems FCC Channel power
Add. Information	

Test Parameter

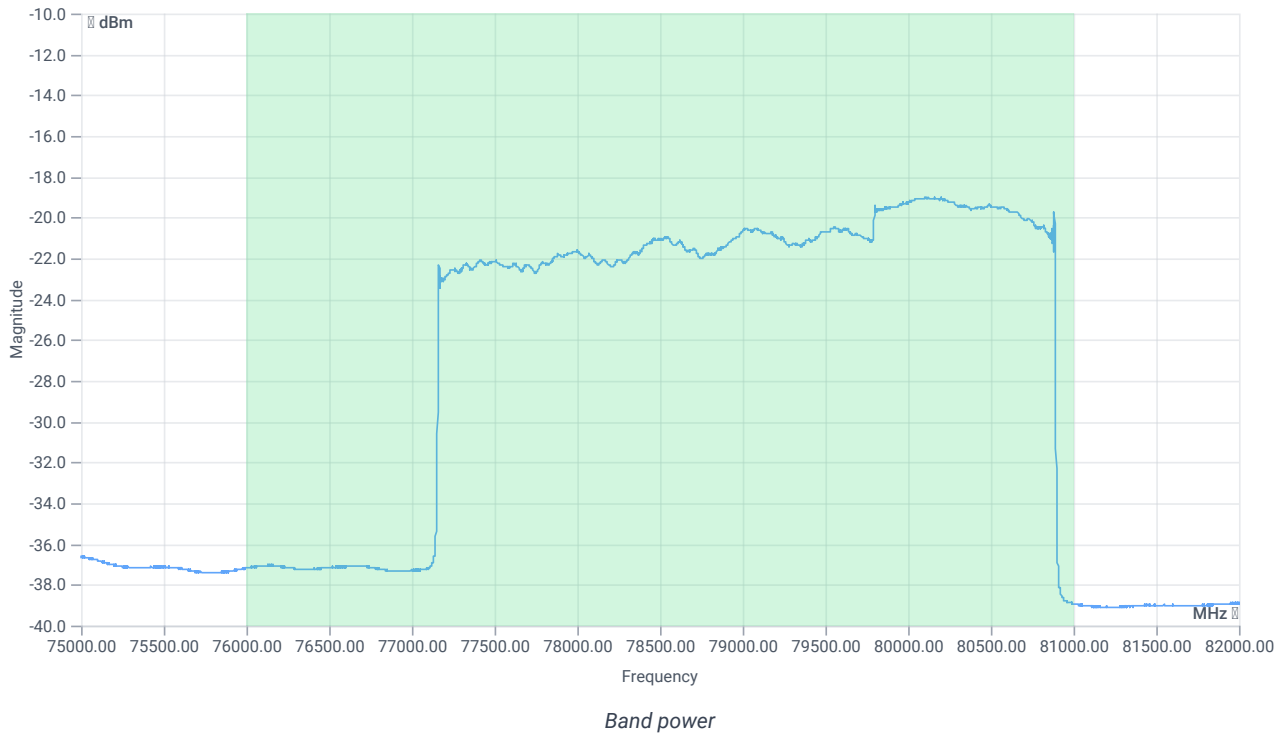
Switched Path	none
Temperature	nom
Voltage	nom
Additional Information	

Test Equipment

Signal analyzer,Rohde&Schwarz,FSW-50,1331.5003K50/101560,5.00SP3
Power supply,Agilent Technologies,N5767A,US26F7337F,A.05.06,REV:E

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.00 53.6 0
Start [MHz] Stop [MHz]	75000.000 82000.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	700000 1 7001 SWE



RESULT

Test Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Channel Power span	--	--	5000	MHz	INFO
Band Power		50	14.59	dBm	PASS
Band Power	--		28.773984	mW	PASS

Verdict

PASS

Systems FCC # Channel Power ~ FCC Channel Power High Mode 76000-81000 MHz

Test References

TC Start	16.03.2023 18:23:23
Ambit Temp [°C] Humidity [rel%]	not enabled not enabled
System Version	4.0.0.1
Test Specification	Systems FCC -
Test Method	
TC Version	0.0.1
My Description	Systems FCC Channel power
Add. Information	

Test Parameter

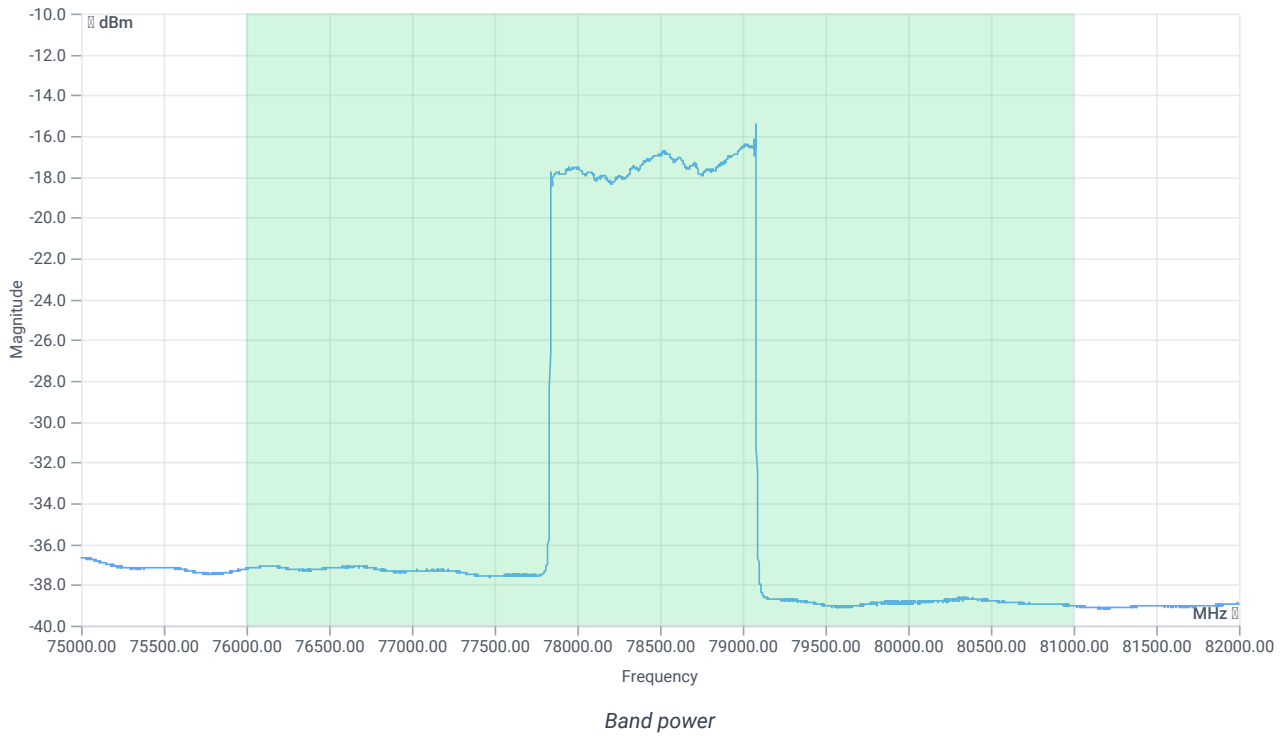
Switched Path	none
Temperature	nom
Voltage	nom
Additional Information	

Test Equipment

Signal analyzer,Rohde&Schwarz,FSW-50,1331.5003K50/101560,5.00SP3
Power supply,Agilent Technologies,N5767A,US26F7337F,A.05.06,REV:E

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.00 53.6 0
Start [MHz] Stop [MHz]	75000.000 82000.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	700000 1 7001 SWE



RESULT

<i>Test Description</i>	<i>Lower Limit</i>	<i>Upper Limit</i>	<i>Measured</i>	<i>Unit</i>	<i>Verdict</i>
Channel Power span	--	--	5000	MHz	INFO
Band Power		50	13.33	dBm	PASS
Band Power	--		21.527817	mW	PASS

Verdict

PASS

Systems FCC # Channel Power ~ FCC Channel Power Fast Mode 76000-81000 MHz

Test References

TC Start	16.03.2023 16:58:48
Ambit Temp [°C] Humidity [rel%]	not enabled not enabled
System Version	4.0.0.1
Test Specification	Systems FCC -
Test Method	
TC Version	0.0.1
My Description	Systems FCC Channel power
Add. Information	

Test Parameter

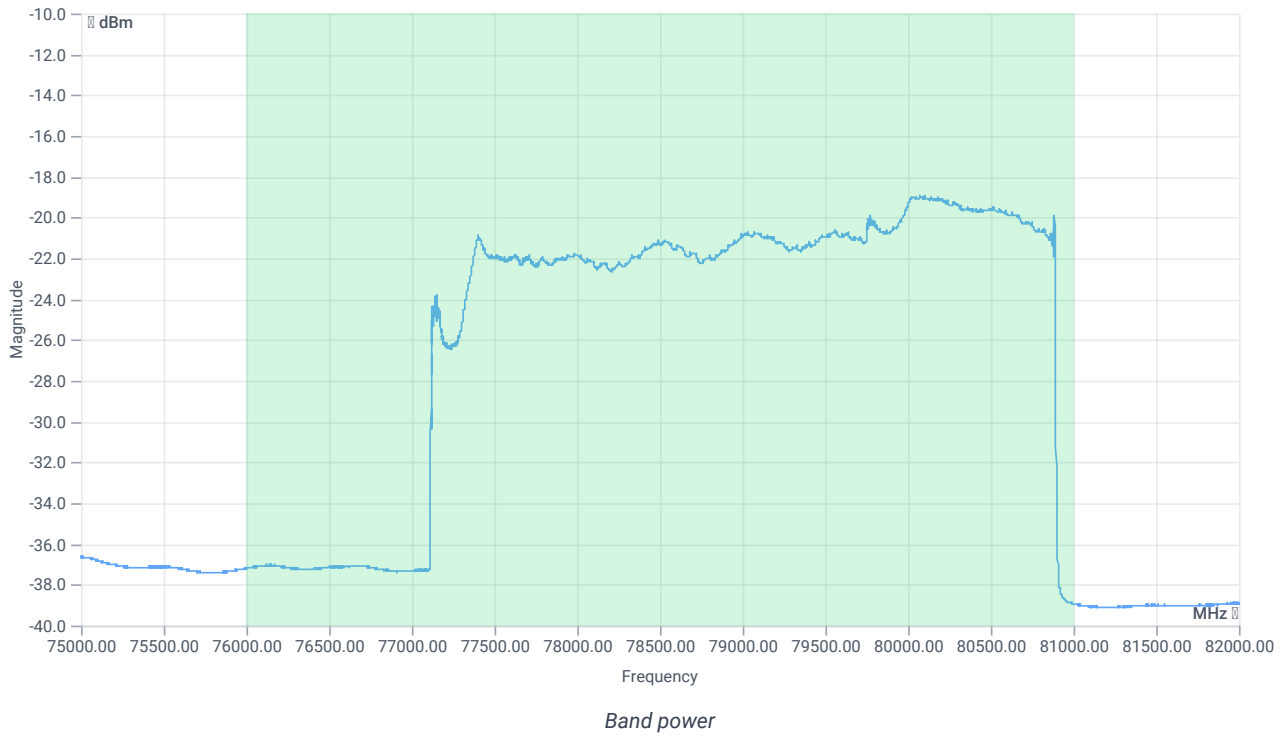
Switched Path	none
Temperature	nom
Voltage	nom
Additional Information	

Test Equipment

Signal analyzer,Rohde&Schwarz,FSW-50,1331.5003K50/101560,5.00SP3
Power supply,Agilent Technologies,N5767A,US26F7337F,A.05.06,REV:E

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.00 53.6 0
Start [MHz] Stop [MHz]	75000.000 82000.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: Time [ms] Count Points per Section Type	700000 1 7001 SWE



RESULT

<i>Test Description</i>	<i>Lower Limit</i>	<i>Upper Limit</i>	<i>Measured</i>	<i>Unit</i>	<i>Verdict</i>
Channel Power span	--	--	5000	MHz	INFO
Band Power		50	14.4	dBm	PASS
Band Power	--		27.542287	mW	PASS

Verdict

PASS

- END OF DOCUMENT -