Measurements Results

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

Test logging

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Table of Content

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

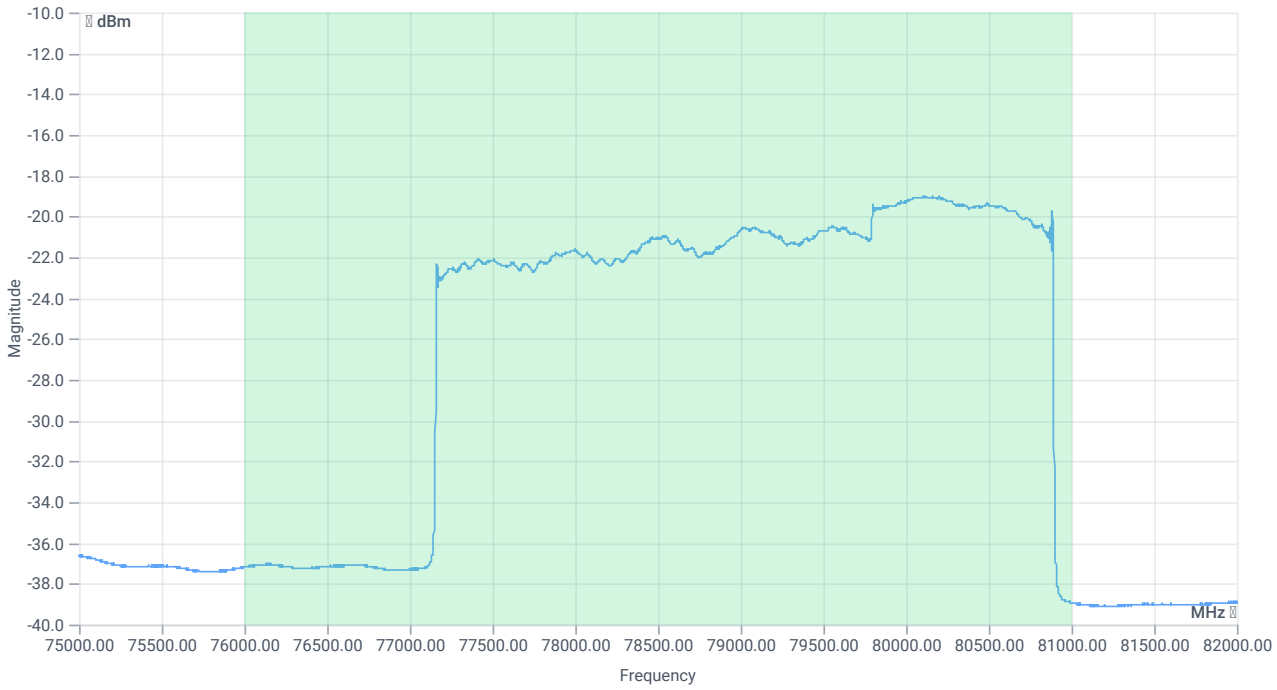
Switched Path	none
Temperature	nom
Voltage	nom
Additional Information	

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



Band power

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

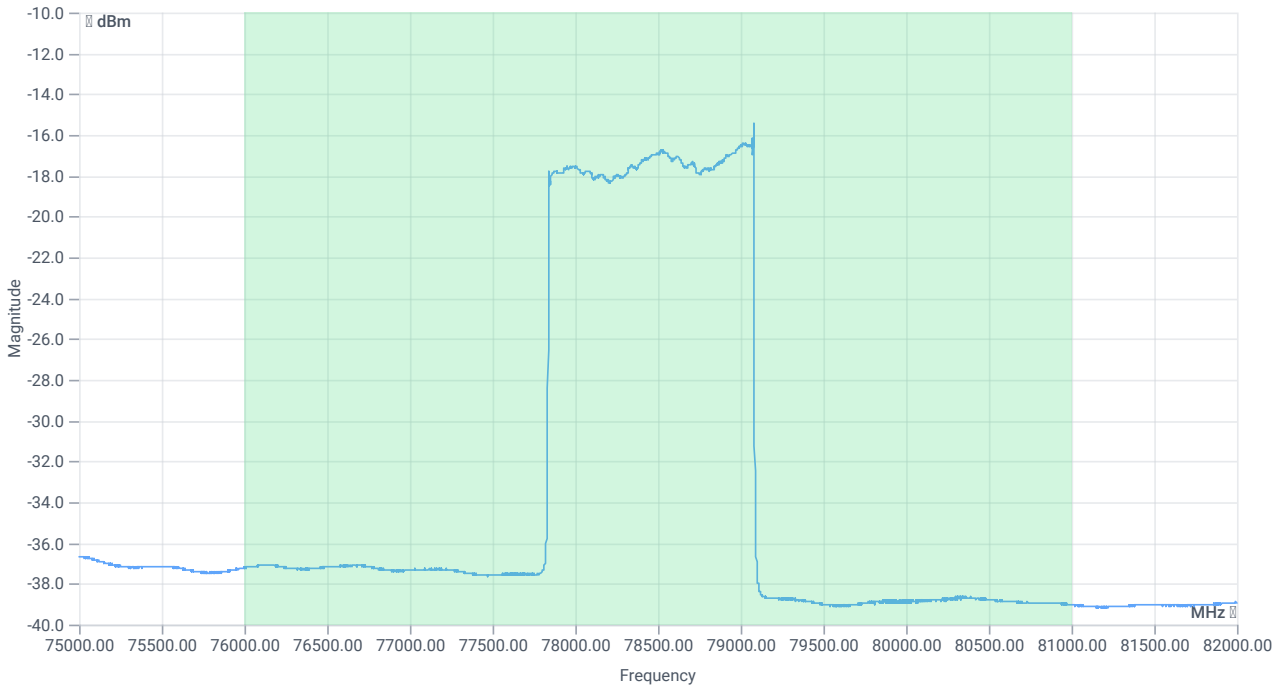
Switched Path	none
Temperature	nom
Voltage	nom
Additional Information	

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



Band power

RESULT

Test Description	*Lower Limit*	*Upper Limit*	*Measured*	*Unit*	*Verdict*
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

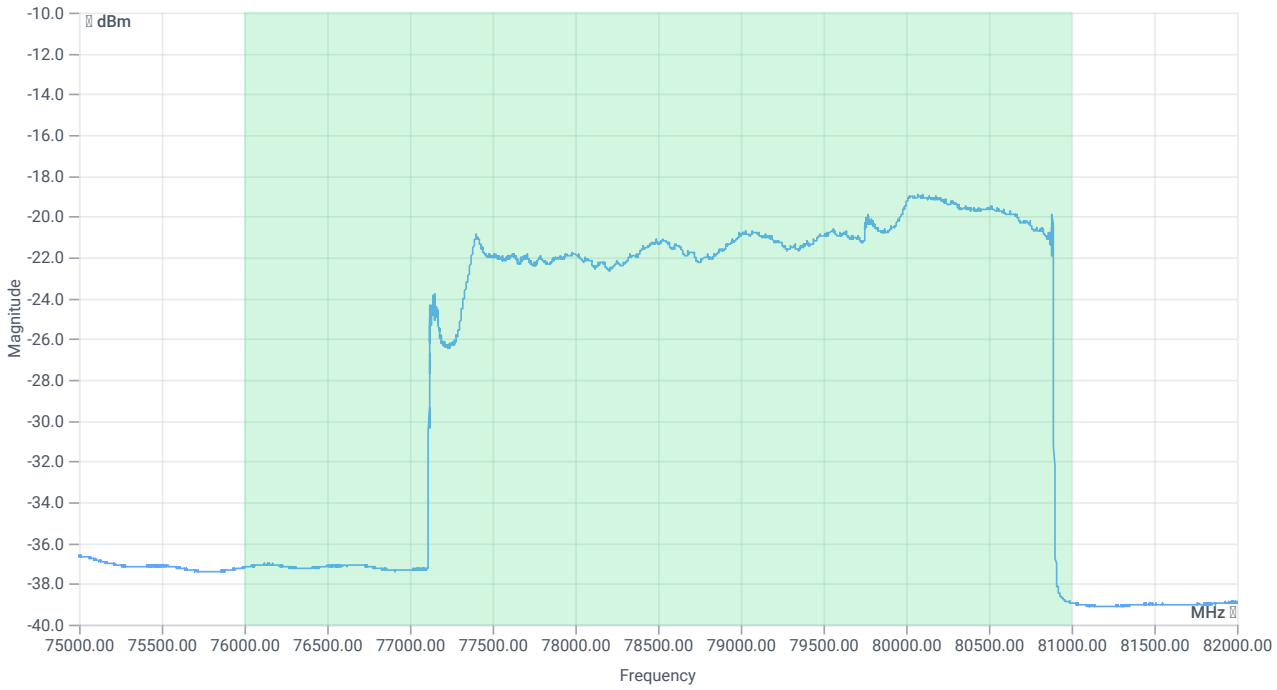
Switched Path	none
Temperature	nom
Voltage	nom
Additional Information	

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



Band power

RESULT

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

Verdict
PASS

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