

Annex 1: Measurement diagrams to
TEST REPORT
No.: 17-1-0231003T04a

According to:
Title 47 CFR, Chapter I
FCC Regulations, Subchapter B
Part 27

for

IPETRONIK GmbH & Co KG

µCROS SL
Data Logger

FCC-ID: 2ARF8UCROS-SL

Laboratory Accreditation and Listings
 DAkkS Deutsche Akkreditierungsstelle D-PL-12047-01-01 D-PL-12047-01-03 D-PL-12047-01-04
accredited according to DIN EN ISO/IEC 17025
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Table of contents

1. MEASUREMENT DIAGRAMS.....	3
1.1. Spurious emissions radiated (FDD Band IV + WLAN 5GHz transmitting mode)_30MHz-18GHz.....	3
1.2. Spurious emissions radiated (FDD Band IV + WLAN 5GHz transmitting mode)_18GHz-40GHz.....	4

1. Measurement diagrams

1.1. Spurious emissions radiated (FDD Band IV + WLAN 5GHz transmitting mode)_30MHz-18GHz

8.05a_RSE_UMTS_FDD4_WLAN_5G

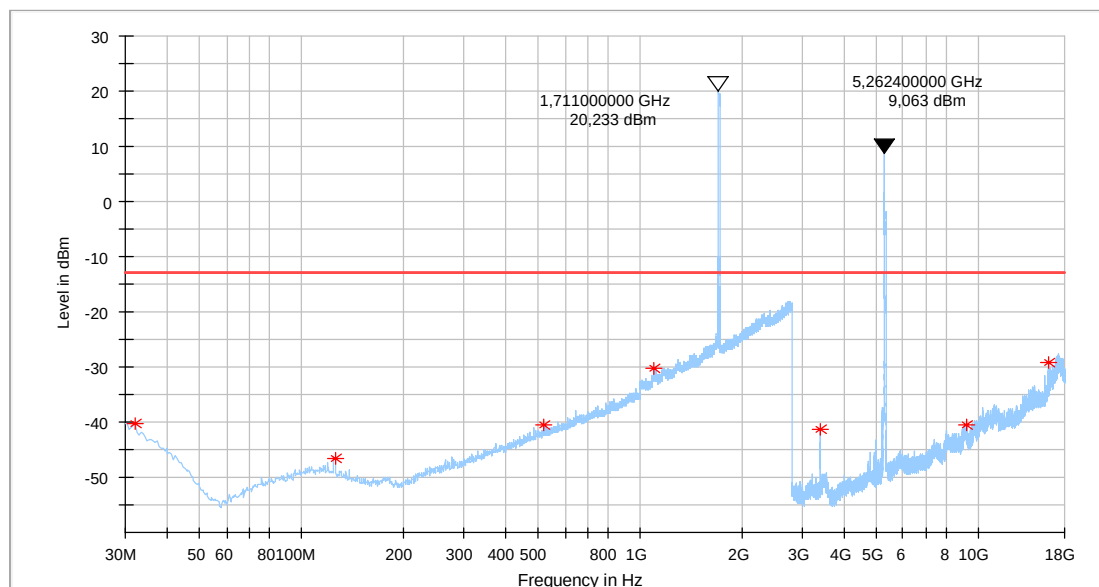
Common Information

Test Description:	Radiated emission
Test Site:	Fully-Anechoic Room
Test Standard:	FCC Part 27.53(h) AWS emission limits
Antenna polarisation:	vertical / horizontal
Measurement software version	EMC32 V10.50.3
Operating Mode:	UMTS Band 4 +W-Lan 5GHz
Operator:	TFa
Verdict:	Passed

EUT Information

Manufacturer:	IPETRONIK GmbH & Co KG
Product:	µCROS SL
Model:	Data Logger
HW version:	1.03
SW version:	1.30
Serial number:	00061
Power Supply:	24 V DC

Full Spectrum



Remarks:

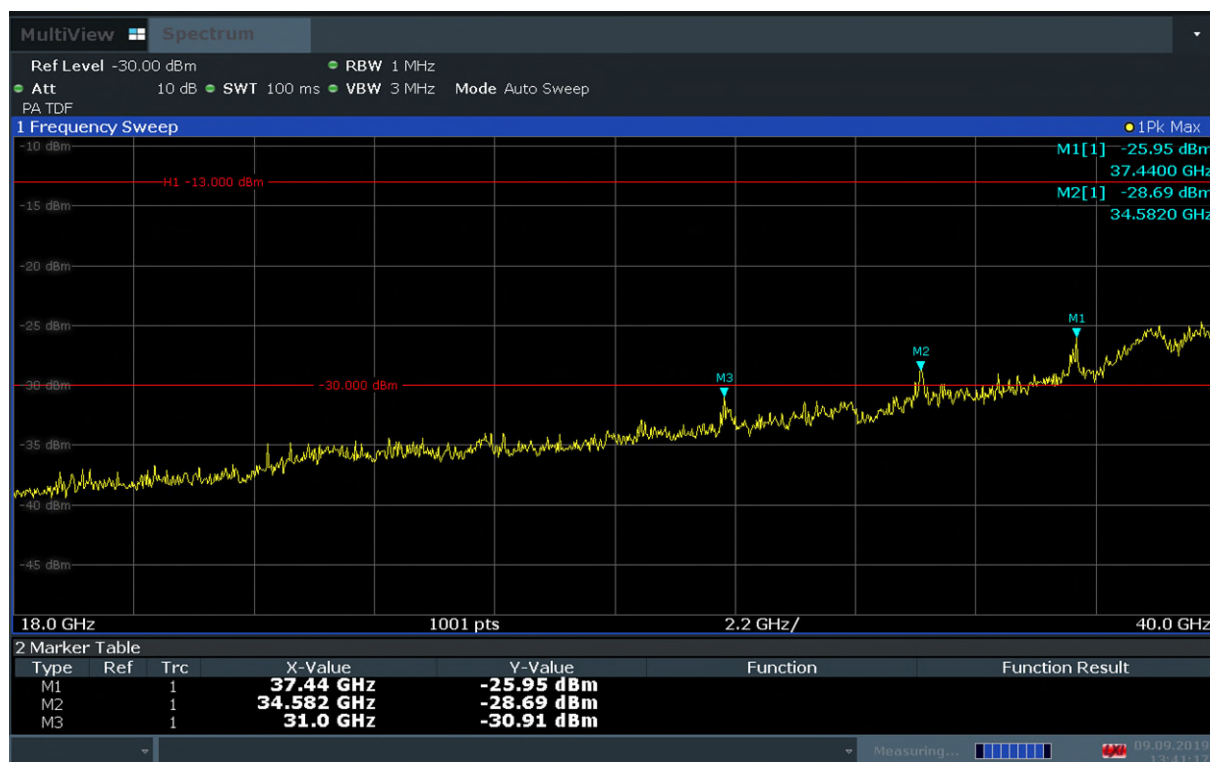
- Emission at 1,711000000GHz and 5,262400000GHz is Carrier Frequency from WCDMA Band IV and WLAN 5GHz, which are not relevant to results.

Spurious Emission Table

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
31.940000	-40.25	-13.00	27.25	155.0	V	0.0
125.060000	-46.53	-13.00	33.53	155.0	V	270.0
522.275000	-40.65	-13.00	27.65	155.0	H	90.0
1097.650000	-30.19	-13.00	17.19	155.0	V	210.0
3421.680000	-41.40	-13.00	28.40	155.0	V	165.0
9183.493333	-40.60	-13.00	27.60	155.0	V	75.0
16210.453333	-29.16	-13.00	16.16	155.0	V	75.0

1.2. Spurious emissions radiated (FDD Band IV + WLAN 5GHz transmitting mode)_18GHz-40GHz

8.05b_RSE_UMTS_FDD4_WLAN_5G



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Remarks:

- Limit line -30dBm is not limit line, it is displayed reference line on spectrum-analyser
- Measurement from 18GHz to 40GHz: limit line is -13dBm