

Annex 1: Measurement diagrams to

TEST REPORT No.: 16-1-0131301T05a-C1

According to:

FCC Regulations

Part 15.107 Part 15.109

ISED-Regulations

RSS-Gen, Issue 4

for

m2m Germany GmbH

BT Audio Adapter V1.6 Audio Streaming Device

FCC-ID: 2ALIO-MMBTA IC/ISED: 22523-MMBTAA

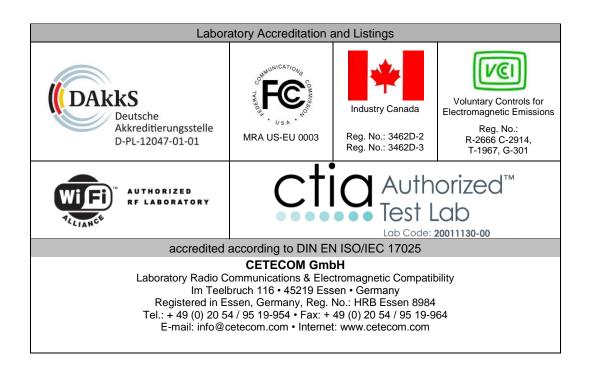




Table of contents

1. SUMMARY OF TEST RESULTS	3
1.1. General Limit - Conducted emissions on AC-Power lines	3
1.2. General Limit - Radiated field strength emissions, 30 MHz - 1 GHz	5
1.3. General Limit - Radiated emissions, above 1 GHz.	



1. Summary of test results

1.1. General Limit - Conducted emissions on AC-Power lines 1.01_Data_transfer

Common Information

Test Description: Conducted Voltage Measurement Class B
Test Site & Location: Conducted Emission, CETECOM GmbH Essen

Test Software: R&S EMC32 v9.15
Test Specification: FCC 15.107, FCC 15.207

Operating Mode: Data Transfer

Measured on line: N/L1

Diagram details: Shows the peak values as a sum of measured ports in maxhold mode

Environmental Conditions: Humidity: 37%rH; Temperature: 20°C

Operator: HLa

Comments:

EUT Information

Manufacturer: m2m Germany GmbH Model: m2m Adapter

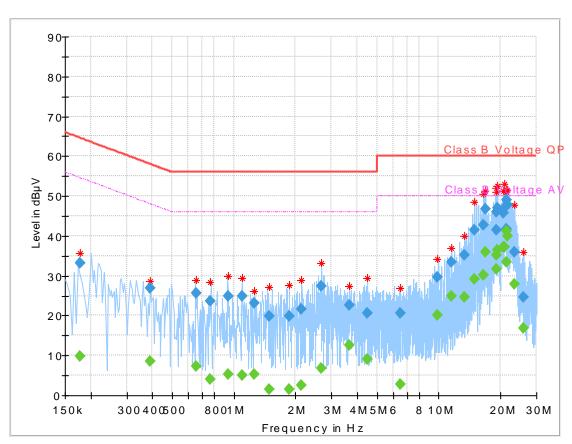
HW version: V1.6 SW version: iWRAP 6.1

Serial number:

Connected Interfaces: PowerSupply Power Supply: 120AC/60Hz

Comments: Test Mode activation using BlueTest3 Software

Full Spectrum





Final_Result

Miles	Frequency	QuasiP	CAvera	Limit	Margi	Moos	Bandwidt	Lin	PE	Corr
College Coll					_	Meas.			PE	Corr
0.178281	(IVITIZ)			(авич)				е		(dB)
0.178281 33.27 64.57 31.30 1000.0 9.000 N GN 0.1		(ασμν)					` '			
0.389688										
0.838688										
0.657500 25.65 — 56.00 30.35 1000.0 9.000 L1 GN 0.3 0.768594 23.54 — 56.00 32.46 1000.0 9.000 N GN 0.2 0.768594 — 51.6 46.00 42.08 1000.0 9.000 N GN 0.2 0.933750 — 51.6 46.00 40.84 1000.0 9.000 N GN 0.2 0.933750 — 51.6 46.00 40.99 1000.0 9.000 N GN 0.2 1.997813 — 50.01 46.00 40.71 1000.0 9.000 N GN 0.2 1.260781 — 529 46.00 40.71 1000.0 9.000 N GN 0.3 1.485000 — 1.44 46.00 44.71 1000.0 9.000 N GN 0.3 1.886438 — 1.41 46.00 44.51 1000.0 9.000 L1 GN 0.3 2.144688		26.94								
0.667500			8.46							
0.768594 23.54		25.65		56.00			9.000			
0.768594	0.657500		7.19	46.00	38.81	1000.0	9.000	L1		0.3
0.933750	0.768594	23.54		56.00	32.46	1000.0	9.000	N	GN	0.2
0.933750	0.768594		3.92	46.00	42.08	1000.0	9.000	N	GN	0.2
1.097813	0.933750		5.16	46.00	40.84	1000.0	9.000	N	GN	0.2
1.097813	0.933750	24.97		56.00	31.03	1000.0	9.000	N	GN	0.2
1.260781	1.097813		5.01		40.99		9.000	N	GN	
1.260781	1.097813	24.94		56.00	31.06	1000.0	9.000	N	GN	0.3
1.260781 23.02 56.00 32.98 1000.0 9.000 N GN 0.3 1.485000 19.89 56.00 36.11 1000.0 9.000 L1 GN 0.3 1.868438 1.41 46.00 44.59 1000.0 9.000 L1 GN 0.3 1.868438 1.41 46.00 44.59 1000.0 9.000 L1 GN 0.3 1.868438 19.74 56.00 36.26 1000.0 9.000 L1 GN 0.3 2.144688 2.39 46.00 43.61 1000.0 9.000 L1 GN 0.3 2.144688 21.61 56.00 34.39 1000.0 9.000 L1 GN 0.3 2.684844 6.86 46.00 39.14 1000.0 9.000 L1 GN 0.3 2.684844 27.39 56.00 28.61 1000.0 9.000 L1 GN 0.3 3.679844 22.51 56.00 33.49 1000.0 9.000 N GN 0.3 4.495155 56.00 33.49 1000.0 9.000 N GN 0.3 4.495155 9.13 46.00 36.87 1000.0 9.000 N GN 0.4 6.472813 2.66 50.00 47.34 1000.0 9.000 N GN 0.4 6.472813 2.66 50.00 47.34 1000.0 9.000 N GN 0.4 9.900938 29.62 60.00 30.38 1000.0 9.000 N GN 0.4 9.900938 20.21 50.00 29.79 1000.0 9.000 L1 GN 0.5 11.527031 33.45 60.00 25.55 1000.0 9.000 L1 GN 0.5 13.380781 24.88 50.00 25.55 1000.0 9.000 L1 GN 0.5 14.996875 29.21 50.00 29.79 1000.0 9.000 L1 GN 0.5 14.996875 29.21 50.00 29.79 1000.0 9.000 L1 GN 0.7 16.611875 29.21 50.00 20.79 1000.0 9.000 L1 GN 0.7 19.037656 35.59 50.00 14.08 1000.0 9.000 L1 GN 0.7 19.037656 30.55 50.00 14.74 1000.0 9.000 L1 GN 0.7 19.037656 30.55 50.00 14.08 1000.0 9.000 L1 GN 0.7 19.037656 30.55 50.00 14.08 1000.0 9.000 L1 GN 0.7 19.037656 30.55 50.00 14.64 1000.0 9.000 L1 GN 0.7 19.037656 30.55 50.00 14.08 1000.0 9.000 L1 GN 0.7 20.			5.29				9.000			
1.485000		23.02								
1.485000 19.89 56.00 36.11 1000.0 9.000 L1 GN 0.3 1.868438 19.74 56.00 36.26 1000.0 9.000 L1 GN 0.3 2.144688 2.39 46.00 43.61 1000.0 9.000 L1 GN 0.3 2.144688 6.86 46.00 34.39 1000.0 9.000 L1 GN 0.3 2.144688 6.86 46.00 34.39 1000.0 9.000 L1 GN 0.3 2.684844 6.86 46.00 39.14 1000.0 9.000 L1 GN 0.3 2.684844 27.39 56.00 28.61 1000.0 9.000 L1 GN 0.3 3.679844 12.53 46.00 33.47 1000.0 9.000 N GN 0.3 3.679844 22.51 56.00 33.47 1000.0 9.000 N GN 0.3 4.495156 9.13 46.00 36.87 1000.0 9.000 N GN 0.4 4.495156 9.13 46.00 36.87 1000.0 9.000 N GN 0.4 6.472813 2.66 50.00 47.34 1000.0 9.000 N GN 0.4 6.472813 20.74 60.00 30.38 1000.0 9.000 N GN 0.4 9.900938 20.21 50.00 29.79 1000.0 9.000 L1 GN 0.4 9.900938 20.21 50.00 29.79 1000.0 9.000 L1 GN 0.4 11.527031 33.45 60.00 30.58 1000.0 9.000 L1 GN 0.5 13.380781 35.20 60.00 26.55 1000.0 9.000 L1 GN 0.5 13.380781 35.20 60.00 25.51 1000.0 9.000 L1 GN 0.7 14.996875 29.21 50.00 27.91 1000.0 9.000 L1 GN 0.7 16.611875 30.27 50.00 27.91 1000.0 9.000 L1 GN 0.7 16.611875 30.27 50.00 27.91 1000.0 9.000 L1 GN 0.7 19.037666 35.52 50.00 27.91 1000.0 9.000 L1 GN 0.7 19.037666 31.58 50.00 28.81 1000.0 9.000 L1 GN 0.7 19.037666 35.52 50.00 13.24 1000.0 9.000 L1 GN 0.7 19.037656 36.50 50.00 13.94 1000.0 9.000 L1 GN 0.7 19.037656 31.58 50.00 13.94 1000.0 9.000 L1 GN 0.7 19.037656 31.58 50.00 13.24 1000.0 9.000			1.44							
1.888438										
1.888438			1 41							
2.144688		19 74								
2.144688 21.61										
2.684844 6.86 46.00 39.14 1000.0 9.000 L1 GN 0.3 2.684844 12.53 46.00 33.47 1000.0 9.000 N GN 0.3 3.679844 12.53 46.00 33.47 1000.0 9.000 N GN 0.3 4.495156 20.66 56.00 33.49 1000.0 9.000 N GN 0.3 4.495156 9.13 46.00 36.87 1000.0 9.000 N GN 0.4 6.472813 2.66 50.00 47.34 1000.0 9.000 N GN 0.4 9.900938 29.62 60.00 30.38 1000.0 9.000 N GN 0.4 9.900938 20.21 50.00 29.79 1000.0 9.000 L1 GN 0.4 11.527031 60.00 28.80										
2.684844										
3.679844										
3.679844 22.51 56.00 33.49 1000.0 9.000 N GN 0.3										
4.495156 20.66 56.00 35.34 1000.0 9.000 N GN 0.4 4.495156 9.13 46.00 36.87 1000.0 9.000 N GN 0.4 6.472813 20.66 50.00 47.34 1000.0 9.000 N GN 0.4 9.900938 29.62 60.00 30.38 1000.0 9.000 L1 GN 0.4 9.900938 20.21 50.00 29.79 1000.0 9.000 L1 GN 0.4 9.900938 20.21 50.00 29.79 1000.0 9.000 L1 GN 0.4 11.527031 33.45 60.00 26.55 1000.0 9.000 L1 GN 0.5 13.380781 35.20 60.00 25.12 1000.0 9.000 L1 GN 0.7 14.996875 29.21 5										
4.495156 9.13 46.00 36.87 1000.0 9.000 N GN 0.4 6.472813 2.66 50.00 47.34 1000.0 9.000 N GN 0.4 9.900938 29.62 60.00 39.26 1000.0 9.000 L1 GN 0.4 9.900938 20.21 50.00 29.79 1000.0 9.000 L1 GN 0.4 11.527031 60.00 26.55 1000.0 9.000 L1 GN 0.5 13.380781 35.20 60.00 24.80 1000.0 9.000 L1 GN 0.7 13.380781 35.20 60.00 24.80 1000.0 9.000 L1 GN 0.7 14.996875 41.42 60.00 25.45 1000.0 9.000 L1 GN 0.7 16.611875 42.77 60.00 18.58 <td></td>										
6.472813 2.66 50.00 47.34 1000.0 9.000 N GN 0.4 6.472813 20.74 60.00 39.26 1000.0 9.000 N GN 0.4 9.900938 20.21 50.00 29.79 1000.0 9.000 L1 GN 0.4 11.527031 33.45 60.00 26.55 1000.0 9.000 L1 GN 0.5 11.527031 24.88 50.00 25.12 1000.0 9.000 L1 GN 0.5 13.380781 35.20 60.00 24.80 1000.0 9.000 L1 GN 0.7 14.996875 29.21 50.00 25.45 1000.0 9.000 L1 GN 0.7 14.996875 29.21 50.00 18.58 1000.0 9.000 L1 GN 0.7 16.611875 42.77 <										
6.472813 20.74 60.00 39.26 1000.0 9.000 N GN 0.4 9.900938 29.62 60.00 30.38 1000.0 9.000 L1 GN 0.4 11.527031 33.45 60.00 26.55 1000.0 9.000 L1 GN 0.5 11.527031 24.88 50.00 25.12 1000.0 9.000 L1 GN 0.5 13.380781 35.20 60.00 24.80 1000.0 9.000 L1 GN 0.7 14.996875 29.21 50.00 20.79 1000.0 9.000 L1 GN 0.7 14.996875 41.42 60.00 18.58 1000.0 9.000 L1 GN 0.7 16.611875 42.77 60.00 18.28 1000.0 9.000 L1 GN 0.7 16.935469 46.76 60.										
9.900938 29.62 60.00 30.38 1000.0 9.000 L1 GN 0.4 9.900938 20.21 50.00 29.79 1000.0 9.000 L1 GN 0.4 11.527031 33.45 60.00 26.55 1000.0 9.000 L1 GN 0.5 13.380781 24.88 50.00 25.12 1000.0 9.000 L1 GN 0.5 13.380781 24.55 50.00 25.45 1000.0 9.000 L1 GN 0.7 14.996875 29.21 50.00 20.79 1000.0 9.000 L1 GN 0.7 14.996875 41.42 60.00 18.58 1000.0 9.000 L1 GN 0.7 16.611875 42.77 60.00 17.23 1000.0 9.000 L1 GN 0.7 16.935469 46.76 60										
9.900938 20.21 50.00 29.79 1000.0 9.000 L1 GN 0.4 11.527031 33.45 60.00 26.55 1000.0 9.000 L1 GN 0.5 13.380781 24.88 50.00 25.45 1000.0 9.000 L1 GN 0.7 13.380781 24.55 50.00 25.45 1000.0 9.000 L1 GN 0.7 14.996875 29.21 50.00 20.79 1000.0 9.000 L1 GN 0.7 14.996875 41.42 60.00 18.58 1000.0 9.000 L1 GN 0.7 16.611875 42.77 60.00 17.23 1000.0 9.000 L1 GN 0.7 16.6335469 46.76 60.00 13.24 1000.0 9.000 N GN 0.7 19.031406 46.01										
11.527031 33.45 60.00 26.55 1000.0 9.000 L1 GN 0.5 11.527031 24.88 50.00 25.12 1000.0 9.000 L1 GN 0.5 13.380781 35.20 60.00 24.80 1000.0 9.000 L1 GN 0.7 13.380781 24.55 50.00 25.45 1000.0 9.000 L1 GN 0.7 14.996875 29.21 50.00 20.79 1000.0 9.000 L1 GN 0.7 14.996875 41.42 60.00 18.58 1000.0 9.000 L1 GN 0.7 16.611875 42.77 60.00 17.23 1000.0 9.000 L1 GN 0.7 16.611875 30.27 50.00 19.73 1000.0 9.000 L1 GN 0.7 16.935469 46.76 60.00 13.24 1000.0 9.000 N GN 0.7 19.031406 46.01 60.00 13.99 1000.0 9.000 N GN 0.7 19.031406 35.26 50.00 14.74 1000.0 9.000 L1 GN 0.7 19.037656 31.58 50.00 18.42 1000.0 9.000 L1 GN 0.7 19.361250 36.50 50.00 13.50 1000.0 9.000 L1 GN 0.7 19.361250 47.12 60.00 12.88 1000.0 9.000 N GN 0.7 20.695938 45.87 60.00 12.88 1000.0 9.000 N GN 0.7 20.695938 45.87 60.00 12.88 1000.0 9.000 N GN 0.7 20.695938 45.87 60.00 12.88 1000.0 9.000 N GN 0.8 20.994688 46.96 60.00 12.88 1000.0 9.000 N GN 0.8 20.994688 46.96 60.00 12.88 1000.0 9.000 N GN 0.8 21.297656 41.24 50.00 8.76 1000.0 9.000 N GN 0.8 21.297656 41.24 50.00 8.76 1000.0 9.000 N GN 0.8 21.495625 41.85 60.00 12.14 1000.0 9.000 N GN 0.8 21.495625 47.86 60.00 23.98 1000.0 9.000 N GN 0.8 21.495625 47.86 60.00 23.98 1000.0 9.000 N GN 0.7 22.451563 36.02 60.00 23.98 1000.0 9.000 N GN 0.7 22.451563 36.02 60.00 23.98 1000.0 9.000 N GN 0.7 23.451563 36.02 60.00 23.98 1000.0 9.000										
11.527031										
13.380781 35.20										
13.380781 24.55 50.00 25.45 1000.0 9.000 L1 GN 0.7 14.996875 29.21 50.00 20.79 1000.0 9.000 L1 GN 0.7 14.996875 41.42 60.00 18.58 1000.0 9.000 L1 GN 0.7 16.611875 42.77 60.00 17.23 1000.0 9.000 L1 GN 0.7 16.935469 46.76 60.00 13.24 1000.0 9.000 N GN 0.7 16.935469 35.92 50.00 14.08 1000.0 9.000 N GN 0.7 19.031406 46.01 60.00 13.99 1000.0 9.000 L1 GN 0.7 19.037656 31.58 50.00 14.74 1000.0 9.000 L1 GN 0.7 19.361250 36.50 50			24.88							
14.996875 29.21 50.00 20.79 1000.0 9.000 L1 GN 0.7 14.996875 41.42 60.00 18.58 1000.0 9.000 L1 GN 0.7 16.611875 30.27 50.00 19.73 1000.0 9.000 L1 GN 0.7 16.935469 46.76 60.00 13.24 1000.0 9.000 N GN 0.7 16.935469 35.92 50.00 14.08 1000.0 9.000 N GN 0.7 19.031406 46.01 60.00 13.99 1000.0 9.000 L1 GN 0.7 19.037656 31.58 50.00 14.74 1000.0 9.000 L1 GN 0.7 19.037656 41.58 60.00 13.50 1000.0 9.000 L1 GN 0.7 19.361250 47.12 60										
14.996875 41.42 60.00 18.58 1000.0 9.000 L1 GN 0.7 16.611875 42.77 60.00 17.23 1000.0 9.000 L1 GN 0.7 16.611875 30.27 50.00 19.73 1000.0 9.000 L1 GN 0.7 16.935469 46.76 60.00 13.24 1000.0 9.000 N GN 0.7 19.031406 46.01 60.00 13.99 1000.0 9.000 L1 GN 0.7 19.031406 35.26 50.00 14.74 1000.0 9.000 L1 GN 0.7 19.037656 31.58 50.00 18.42 1000.0 9.000 L1 GN 0.7 19.361250 36.50 50.00 13.50 1000.0 9.000 N GN 0.7 20.695938 37.13 50										
16.611875 42.77 60.00 17.23 1000.0 9.000 L1 GN 0.7 16.611875 30.27 50.00 19.73 1000.0 9.000 L1 GN 0.7 16.935469 46.76 60.00 13.24 1000.0 9.000 N GN 0.7 19.031406 46.01 60.00 13.99 1000.0 9.000 L1 GN 0.7 19.031406 35.26 50.00 14.74 1000.0 9.000 L1 GN 0.7 19.037656 31.58 50.00 18.42 1000.0 9.000 L1 GN 0.7 19.361250 36.50 50.00 13.50 1000.0 9.000 L1 GN 0.7 19.361250 47.12 60.00 12.88 1000.0 9.000 N GN 0.7 20.695938 45.87 60										
16.611875 30.27 50.00 19.73 1000.0 9.000 L1 GN 0.7 16.935469 46.76 60.00 13.24 1000.0 9.000 N GN 0.7 16.935469 35.92 50.00 14.08 1000.0 9.000 N GN 0.7 19.031406 46.01 60.00 13.99 1000.0 9.000 L1 GN 0.7 19.037656 35.26 50.00 14.74 1000.0 9.000 L1 GN 0.7 19.037656 41.58 60.00 18.42 1000.0 9.000 L1 GN 0.7 19.361250 36.50 50.00 13.50 1000.0 9.000 N GN 0.7 20.695938 45.87 60.00 14.13 1000.0 9.000 N GN 0.8 20.994688 46.96 60.0		41.42						L1		0.7
16.935469 46.76 60.00 13.24 1000.0 9.000 N GN 0.7 16.935469 35.92 50.00 14.08 1000.0 9.000 N GN 0.7 19.031406 46.01 60.00 13.99 1000.0 9.000 L1 GN 0.7 19.037656 31.58 50.00 18.42 1000.0 9.000 L1 GN 0.7 19.037656 41.58 60.00 18.42 1000.0 9.000 L1 GN 0.7 19.361250 36.50 50.00 13.50 1000.0 9.000 N GN 0.7 19.361250 47.12 60.00 12.88 1000.0 9.000 N GN 0.7 20.695938 45.87 60.00 12.87 1000.0 9.000 N GN 0.8 20.994688 46.96 60.00	16.611875	42.77		60.00	17.23	1000.0	9.000	L1		0.7
16.935469 35.92 50.00 14.08 1000.0 9.000 N GN 0.7 19.031406 46.01 60.00 13.99 1000.0 9.000 L1 GN 0.7 19.031406 35.26 50.00 14.74 1000.0 9.000 L1 GN 0.7 19.037656 31.58 50.00 18.42 1000.0 9.000 L1 GN 0.7 19.361250 36.50 50.00 13.50 1000.0 9.000 N GN 0.7 19.361250 47.12 60.00 12.88 1000.0 9.000 N GN 0.7 20.695938 45.87 60.00 14.13 1000.0 9.000 N GN 0.8 20.994688 46.96 60.00 13.04 1000.0 9.000 N GN 0.8 21.297656 49.07 60.00			30.27	50.00		1000.0	9.000	L1		0.7
19.031406 46.01 60.00 13.99 1000.0 9.000 L1 GN 0.7 19.031406 35.26 50.00 14.74 1000.0 9.000 L1 GN 0.7 19.037656 31.58 50.00 18.42 1000.0 9.000 L1 GN 0.7 19.361250 36.50 50.00 13.50 1000.0 9.000 N GN 0.7 19.361250 47.12 60.00 12.88 1000.0 9.000 N GN 0.7 20.695938 45.87 60.00 14.13 1000.0 9.000 N GN 0.8 20.695938 37.13 50.00 12.87 1000.0 9.000 N GN 0.8 20.994688 46.96 60.00 13.04 1000.0 9.000 L1 GN 0.8 21.297656 49.07 60.0	16.935469	46.76		60.00	13.24	1000.0	9.000	N	GN	0.7
19.031406 35.26 50.00 14.74 1000.0 9.000 L1 GN 0.7 19.037656 31.58 50.00 18.42 1000.0 9.000 L1 GN 0.7 19.037656 41.58 60.00 18.42 1000.0 9.000 L1 GN 0.7 19.361250 36.50 50.00 13.50 1000.0 9.000 N GN 0.7 20.695938 45.87 60.00 14.13 1000.0 9.000 N GN 0.8 20.695938 37.13 50.00 12.87 1000.0 9.000 N GN 0.8 20.994688 46.96 60.00 13.04 1000.0 9.000 N GN 0.8 21.297656 49.07 60.00 10.93 1000.0 9.000 N GN 0.8 21.495625 41.85 60.00	16.935469		35.92	50.00	14.08	1000.0	9.000	N	GN	0.7
19.037656 31.58 50.00 18.42 1000.0 9.000 L1 GN 0.7 19.037656 41.58 60.00 18.42 1000.0 9.000 L1 GN 0.7 19.361250 36.50 50.00 13.50 1000.0 9.000 N GN 0.7 19.361250 47.12 60.00 12.88 1000.0 9.000 N GN 0.7 20.695938 45.87 60.00 14.13 1000.0 9.000 N GN 0.8 20.695938 37.13 50.00 12.87 1000.0 9.000 N GN 0.8 20.994688 46.96 60.00 13.04 1000.0 9.000 L1 GN 0.8 21.297656 49.07 60.00 10.93 1000.0 9.000 N GN 0.8 21.495625 41.85 60.00	19.031406	46.01		60.00	13.99	1000.0	9.000	L1	GN	0.7
19.037656 31.58 50.00 18.42 1000.0 9.000 L1 GN 0.7 19.037656 41.58 60.00 18.42 1000.0 9.000 L1 GN 0.7 19.361250 36.50 50.00 13.50 1000.0 9.000 N GN 0.7 19.361250 47.12 60.00 12.88 1000.0 9.000 N GN 0.7 20.695938 45.87 60.00 14.13 1000.0 9.000 N GN 0.8 20.695938 37.13 50.00 12.87 1000.0 9.000 N GN 0.8 20.994688 46.96 60.00 13.04 1000.0 9.000 L1 GN 0.8 21.297656 49.07 60.00 10.93 1000.0 9.000 N GN 0.8 21.495625 41.85 60.00	19.031406		35.26	50.00	14.74	1000.0				0.7
19.037656 41.58 60.00 18.42 1000.0 9.000 L1 GN 0.7 19.361250 36.50 50.00 13.50 1000.0 9.000 N GN 0.7 19.361250 47.12 60.00 12.88 1000.0 9.000 N GN 0.7 20.695938 45.87 60.00 14.13 1000.0 9.000 N GN 0.8 20.695938 37.13 50.00 12.87 1000.0 9.000 N GN 0.8 20.994688 46.96 60.00 13.04 1000.0 9.000 L1 GN 0.8 21.297656 49.07 60.00 10.93 1000.0 9.000 N GN 0.8 21.495625 41.85 60.00 18.15 1000.0 9.000 N GN 0.8 21.768594 39.91 50.00<	19.037656		31.58	50.00	18.42	1000.0	9.000	L1	GN	0.7
19.361250 36.50 50.00 13.50 1000.0 9.000 N GN 0.7 19.361250 47.12 60.00 12.88 1000.0 9.000 N GN 0.7 20.695938 45.87 60.00 14.13 1000.0 9.000 N GN 0.8 20.695938 37.13 50.00 12.87 1000.0 9.000 N GN 0.8 20.994688 46.96 60.00 13.04 1000.0 9.000 L1 GN 0.8 20.994688 37.32 50.00 12.68 1000.0 9.000 L1 GN 0.8 21.297656 49.07 60.00 10.93 1000.0 9.000 N GN 0.8 21.495625 41.85 60.00 18.15 1000.0 9.000 N GN 0.8 21.768594 39.91 50.00<		41.58		60.00	18.42				GN	0.7
19.361250 47.12 60.00 12.88 1000.0 9.000 N GN 0.7 20.695938 45.87 60.00 14.13 1000.0 9.000 N GN 0.8 20.695938 37.13 50.00 12.87 1000.0 9.000 N GN 0.8 20.994688 46.96 60.00 13.04 1000.0 9.000 L1 GN 0.8 20.994688 37.32 50.00 12.68 1000.0 9.000 L1 GN 0.8 21.297656 49.07 60.00 10.93 1000.0 9.000 N GN 0.8 21.297656 41.24 50.00 8.76 1000.0 9.000 N GN 0.8 21.495625 41.85 60.00 18.15 1000.0 9.000 N GN 0.8 21.768594 39.91 50.00 </td <td></td> <td></td> <td>36.50</td> <td></td> <td>13.50</td> <td></td> <td>9.000</td> <td>N</td> <td></td> <td>0.7</td>			36.50		13.50		9.000	N		0.7
20.695938 45.87 60.00 14.13 1000.0 9.000 N GN 0.8 20.695938 37.13 50.00 12.87 1000.0 9.000 N GN 0.8 20.994688 46.96 60.00 13.04 1000.0 9.000 L1 GN 0.8 20.994688 37.32 50.00 12.68 1000.0 9.000 L1 GN 0.8 21.297656 49.07 60.00 10.93 1000.0 9.000 N GN 0.8 21.297656 41.24 50.00 8.76 1000.0 9.000 N GN 0.8 21.495625 41.85 60.00 18.15 1000.0 9.000 N GN 0.8 21.768594 39.91 50.00 10.09 1000.0 9.000 N GN 0.7 23.451563 36.02 60.00 </td <td></td> <td>47.12</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		47.12								
20.695938 37.13 50.00 12.87 1000.0 9.000 N GN 0.8 20.994688 46.96 60.00 13.04 1000.0 9.000 L1 GN 0.8 20.994688 37.32 50.00 12.68 1000.0 9.000 L1 GN 0.8 21.297656 49.07 60.00 10.93 1000.0 9.000 N GN 0.8 21.297656 41.24 50.00 8.76 1000.0 9.000 N GN 0.8 21.495625 41.85 60.00 18.15 1000.0 9.000 N GN 0.8 21.768594 33.55 50.00 16.45 1000.0 9.000 N GN 0.8 21.768594 47.86 60.00 12.14 1000.0 9.000 L1 GN 0.7 23.451563 36.02 60.00<										
20.994688 46.96 60.00 13.04 1000.0 9.000 L1 GN 0.8 20.994688 37.32 50.00 12.68 1000.0 9.000 L1 GN 0.8 21.297656 49.07 60.00 10.93 1000.0 9.000 N GN 0.8 21.297656 41.24 50.00 8.76 1000.0 9.000 N GN 0.8 21.495625 41.85 60.00 18.15 1000.0 9.000 N GN 0.8 21.495625 33.55 50.00 16.45 1000.0 9.000 N GN 0.8 21.768594 39.91 50.00 10.09 1000.0 9.000 L1 GN 0.7 23.451563 36.02 60.00 23.98 1000.0 9.000 N GN 0.7 23.451563 27.80 50.00 22.20 1000.0 9.000 N GN 0.7 25.867										
20.994688 37.32 50.00 12.68 1000.0 9.000 L1 GN 0.8 21.297656 49.07 60.00 10.93 1000.0 9.000 N GN 0.8 21.297656 41.24 50.00 8.76 1000.0 9.000 N GN 0.8 21.495625 41.85 60.00 18.15 1000.0 9.000 N GN 0.8 21.495625 33.55 50.00 16.45 1000.0 9.000 N GN 0.8 21.768594 39.91 50.00 10.09 1000.0 9.000 L1 GN 0.7 21.768594 47.86 60.00 12.14 1000.0 9.000 L1 GN 0.7 23.451563 36.02 60.00 23.98 1000.0 9.000 N GN 0.7 25.867969 24.56 60.00<		46.96								
21.297656 49.07 60.00 10.93 1000.0 9.000 N GN 0.8 21.297656 41.24 50.00 8.76 1000.0 9.000 N GN 0.8 21.495625 41.85 60.00 18.15 1000.0 9.000 N GN 0.8 21.495625 33.55 50.00 16.45 1000.0 9.000 N GN 0.8 21.768594 39.91 50.00 10.09 1000.0 9.000 L1 GN 0.7 21.768594 47.86 60.00 12.14 1000.0 9.000 L1 GN 0.7 23.451563 36.02 60.00 23.98 1000.0 9.000 N GN 0.7 25.867969 24.56 60.00 35.44 1000.0 9.000 L1 GN 0.5										
21.297656 41.24 50.00 8.76 1000.0 9.000 N GN 0.8 21.495625 41.85 60.00 18.15 1000.0 9.000 N GN 0.8 21.495625 33.55 50.00 16.45 1000.0 9.000 N GN 0.8 21.768594 39.91 50.00 10.09 1000.0 9.000 L1 GN 0.7 23.451563 36.02 60.00 23.98 1000.0 9.000 N GN 0.7 23.451563 27.80 50.00 22.20 1000.0 9.000 N GN 0.7 25.867969 24.56 60.00 35.44 1000.0 9.000 L1 GN 0.5			57.02							
21.495625 41.85 60.00 18.15 1000.0 9.000 N GN 0.8 21.495625 33.55 50.00 16.45 1000.0 9.000 N GN 0.8 21.768594 39.91 50.00 10.09 1000.0 9.000 L1 GN 0.7 21.768594 47.86 60.00 12.14 1000.0 9.000 L1 GN 0.7 23.451563 36.02 60.00 23.98 1000.0 9.000 N GN 0.7 23.451563 27.80 50.00 22.20 1000.0 9.000 N GN 0.7 25.867969 24.56 60.00 35.44 1000.0 9.000 L1 GN 0.5			41 24							
21.495625 33.55 50.00 16.45 1000.0 9.000 N GN 0.8 21.768594 39.91 50.00 10.09 1000.0 9.000 L1 GN 0.7 21.768594 47.86 60.00 12.14 1000.0 9.000 L1 GN 0.7 23.451563 36.02 60.00 23.98 1000.0 9.000 N GN 0.7 23.451563 27.80 50.00 22.20 1000.0 9.000 N GN 0.7 25.867969 24.56 60.00 35.44 1000.0 9.000 L1 GN 0.5			71.4							
21.768594 39.91 50.00 10.09 1000.0 9.000 L1 GN 0.7 21.768594 47.86 60.00 12.14 1000.0 9.000 L1 GN 0.7 23.451563 36.02 60.00 23.98 1000.0 9.000 N GN 0.7 23.451563 27.80 50.00 22.20 1000.0 9.000 N GN 0.7 25.867969 24.56 60.00 35.44 1000.0 9.000 L1 GN 0.5			33 55							
21.768594 47.86 60.00 12.14 1000.0 9.000 L1 GN 0.7 23.451563 36.02 60.00 23.98 1000.0 9.000 N GN 0.7 23.451563 27.80 50.00 22.20 1000.0 9.000 N GN 0.7 25.867969 24.56 60.00 35.44 1000.0 9.000 L1 GN 0.5										
23.451563 36.02 60.00 23.98 1000.0 9.000 N GN 0.7 23.451563 27.80 50.00 22.20 1000.0 9.000 N GN 0.7 25.867969 24.56 60.00 35.44 1000.0 9.000 L1 GN 0.5										
23.451563 27.80 50.00 22.20 1000.0 9.000 N GN 0.7 25.867969 24.56 60.00 35.44 1000.0 9.000 L1 GN 0.5										
25.867969 24.56 60.00 35.44 1000.0 9.000 L1 GN 0.5		30.02	07.00							
		04.50								
25.001909 10.94 50.00 33.06 1000.0 9.000 L1 GN 0.5										
	25.867969		16.94	50.00	33.06	1000.0	9.000	LT	GN	0.5



1.2. General Limit - Radiated field strength emissions, 30 MHz - 1 GHz

Diagram No. 3.01_BRS232_Data_Transfer

Date: 24.02.2017 Page 1 of 1

Test description: Electric Field Strength Measurement

Test site and distance: Ref.-Nr. 441 Semi Ånechoic Room (SAR) with 3m measurement distance

Version of Testsoftware: EMC32 V9.25.0

Distance correction: not used

Technical Data: Please see page 2 for detailed data of measurement setup

Used filter: not used

Test specification: FCC15.109, class B; RSS-Gen.: Issue 4

Operator: TF

Operating conditions: RS232 data Transfer Measured sides of EUT: RS232 data Transfer front, right, rear, left

Power during tests: 110V 60Hz

EUT Information

Manufacturer: m2m Germany GmbH Model: m2m Adapter

HW version: V1.6 SW version: iWRAP 6.1

Serial number:

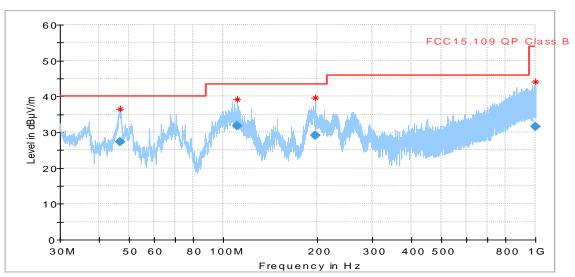
Connected Interfaces: PowerSupply Power Supply: 120AC/60Hz

Comments: Test Mode activation using BlueTest3 Software

Final_Result

Frequenc y (MHz)	Quasi Peak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidt h (kHz)	Heigh t (cm)	Pol	Azimut h (deg)	Elevatio n (deg)	Corr (dB)
46.654000	27.32	40.00	12.68	1000.0	120.000	109.0	V	272.0	90.0	14.4
111.07400 0	31.82	43.50	11.68	1000.0	120.000	285.0	Н	194.0	0.0	8.2
197.07000 0	29.10	43.50	14.40	1000.0	120.000	183.0	Н	140.0	0.0	11.4
997.00200 0	31.53	54.00	22.47	1000.0	120.000	360.0	V	296.0	0.0	27.8

Full Spectrum





1.3. General Limit - Radiated emissions, above 1 GHz 4.01a_RS232_Data transfer_1-2.8GHz

Common Information

Test Description:

Radiated Filed Strength Emission
CETECOM GmbH Essen
Test Site:

Fully Anechoic Room (FAR)

Test Standard: FCĆ Part 15.109, class B / RSS-Gen., Issue 4
Operating Mode: Operator, please fill in the operating mode

Equipment Class: Class B

Environmental Conditions: Humidity: 30%rH; Temperature: 20°C

Operator: HLa

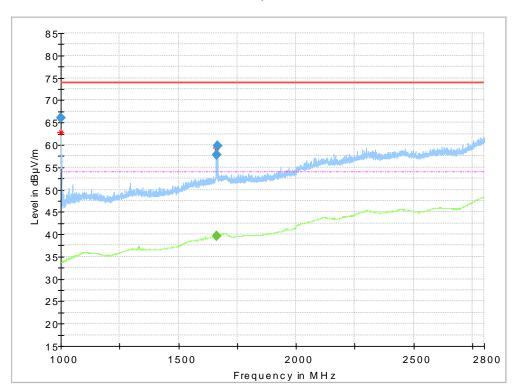
EUT Information

Manufacturer: m2m Germany GmbH Model: m2m Adapter

HW version: V1.6
SW version: iWRAP 6.1
Serial number: Connected Interfaces: PowerSupply
Power Supply: 120AC/60Hz

Comments: Test Mode activation using BlueTest3 Software

Full Spectrum



Final Result

•	mai_nesuit										
	Frequency (MHz)	Average (dBµV/m)	Limit (dBµ V/m)	Margin (dB)	Meas. Time (ms)	Pol	Azimut h (deg)	Elevatio n (deg)	Corr (dB)		
	1000.000000		74.00	7.94	100.0	V	25.0	90.0	25.6		
	1660.660000	39.54	54.00	14.46	100.0	V	185.0	90.0	32.0		
	1661.940000		74.00	16.16	100.0	V	185.0	90.0	32.0		
	1665.220000		74.00	14.30	100.0	Н	319.0	0.0	32.0		



4.01b_RS232_Data transfer_2.8-18GHz

Common Information

Test Description:

Test Site Location:

Test Site:

Radiated Filed Strength Emission
CETECOM GmbH Essen
Fully Anechoic Room (FAR)

Test Standard: FCC Part 15.109, class B / RSS-Gen., Issue 4
Operating Mode: Operator, please fill in the operating mode

Equipment Class: Class B

Environmental Conditions: Humidity: 30%rH; Temperature: 20°C

Operator: HLa

EUT Information

Manufacturer: m2m Germany GmbH Model: BT Audio Adapter

HW version: V1.6

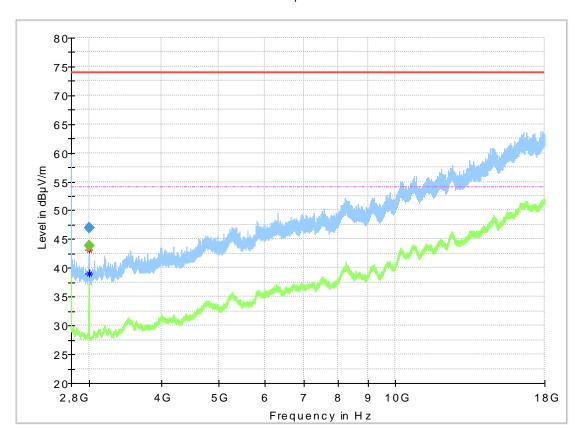
HW version: V1.6 SW version: iWRAP 6.1

Serial number:

Connected Interfaces: PowerSupply Power Supply: 120AC/60Hz

Comments: Test Mode activation using BlueTest3 Software

Full Spectrum



Final_Result

F	Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margi n (dB)	Meas Time	Bandwidt h (kHz)	Pol	Azimut h (deg)	Elevatio n (deg)	Corr (dB)
3	3000.140000		43.88	54.00	10.12	100.0	1000.000	V	15.0	90.0	-1.2
3	3000.140000	46.99		74.00	27.01	100.0	1000.000	V	9.0	0.0	-1.2