

Annex 1: Measurement diagrams 20-1-0155301T15a-A1

Number of pages:	8	Date of Report:	2021-Aug-18
Testing company:	CETECOM GmbH Im Teelbruch 116 45219 Essen Germany Tel. + 49 (0) 20 54 / 95 19-0 Fax: + 49 (0) 20 54 / 95 19-150	Applicant:	Infinet LLC
Product: Model:	Point-to-Point and Point-to-Multipoint RF transceiver for Fixed Service InfiMAN Evolution		
FCC ID:	2AZJ4-E5-BS	IC:	--
Testing has been carried out in accordance with:	Title 47 CFR, Chapter I FCC Regulations, Subchapter A Subpart B: §15.109 (Class B limits) Deviations, modifications or clarifications (if any) to above mentioned documents are written in each section under "Test method and limit".		

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1 Measurement diagrams

1.01

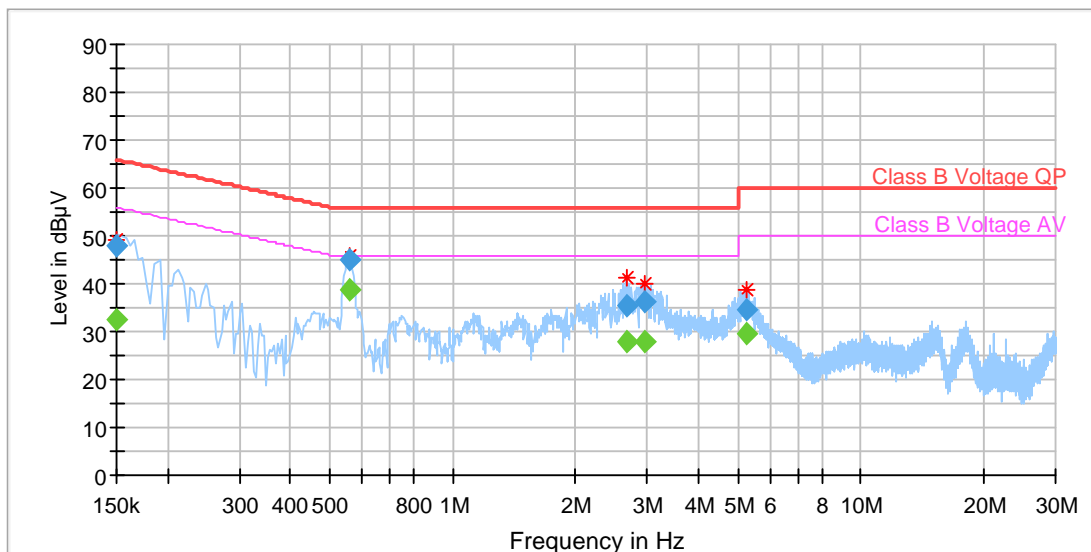
Common Information

Test Description:	Conducted Voltage Measurement Class B
Test Site Location:	Conducted Emission, CETECOM GmbH Essen
Test Software:	R&S EMC32 v9.15
Test Standard:	FCC 15.107, FCC 15.207
Operating Mode:	
Measured on line:	N/L1
Diagram details:	Shows the peak values as a sum of measured ports in maxhold mode
Environmental Conditions:	Humidity: 41 %rH; Temperature: 21°C
Operator:	Mar
Comments:	--
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number:	20-1-01553S42_C01
Date received:	--

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.150000	---	32.54	56.00	23.46	1000.0	9.000	L1	GND	0.1
0.150000	47.86	---	66.00	18.14	1000.0	9.000	L1	GND	0.1
0.557656	---	38.84	46.00	7.16	1000.0	9.000	N	GND	0.1
0.557656	45.04	---	56.00	10.96	1000.0	9.000	N	GND	0.1
2.675313	35.53	---	56.00	20.47	1000.0	9.000	L1	GND	0.3
2.675313	---	27.82	46.00	18.18	1000.0	9.000	L1	GND	0.3
2.960625	---	28.05	46.00	17.95	1000.0	9.000	L1	GND	0.3
2.960625	36.22	---	56.00	19.78	1000.0	9.000	L1	GND	0.3
5.273594	34.55	---	60.00	25.45	1000.0	9.000	L1	GND	0.4
5.273594	---	29.63	50.00	20.37	1000.0	9.000	L1	GND	0.4

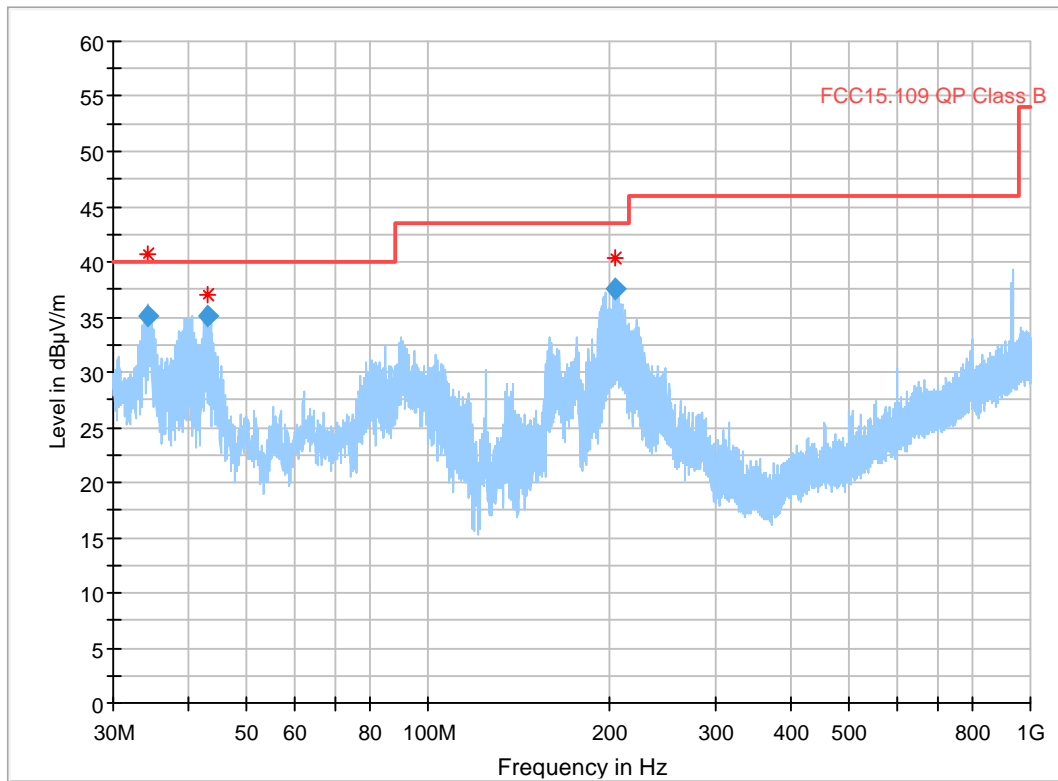
3.01_standing

Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC 15.109 Unintentional Radiator
 Antenna polarisation: horizontal/vertical
 Operation mode: IDLE Mode GSM850/GSM1900/FDD Band 2/FDD Band 4/ FDD Band 5
 Downlink channel middle: Internal/External Antenna of EUT used
 Operating Mode: Radio Connection at 5750 MHz + LAN Connection
 Environmental Conditions: Humidity : 40% rH; Temperature: 20 °C
 Operator: TFra
 Verdict: Passed

EUT Information

PMT number: 20-1-01553S42_C01
 Power Supply: 120 AC / 60 Hz
 Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
34.315000	35.06	40.00	4.94	1000.0	120.000	244.0	H	146.0	19.5
43.075000	35.01	40.00	4.99	1000.0	120.000	105.0	V	211.0	15.8
205.105000	37.50	43.50	6.00	1000.0	120.000	164.0	H	352.0	11.5

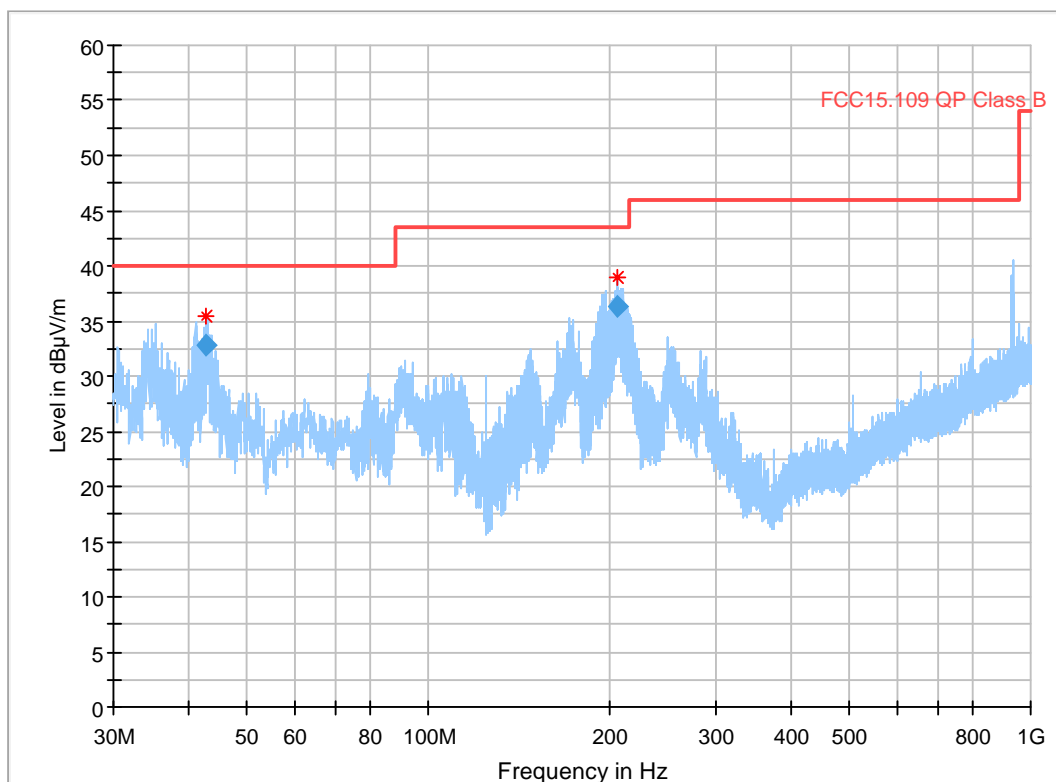
3.02_laying

Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC 15.109 Unintentional Radiator
 Antenna polarisation: horizontal/vertical
 Operation mode: IDLE Mode GSM850/GSM1900/FDD Band 2/FDD Band 4/ FDD Band 5
 Downlink channel middle: Internal/External Antenna of EUT used
 Operating Mode: Radio Connection at 5750MHz + LAN Connection
 Environmental Conditions: Humidity : 40% rH; Temperature: 20 °C
 Operator: TFra
 Verdict: Passed

EUT Information

PMT number: 20-1-01553S42_C01
 Power Supply: 120 AC / 60 Hz
 Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
42.835000	32.79	40.00	7.21	1000.0	120.000	105.0	V	58.0	15.9
206.125000	36.30	43.50	7.20	1000.0	120.000	105.0	V	116.0	11.5

4.01_standing

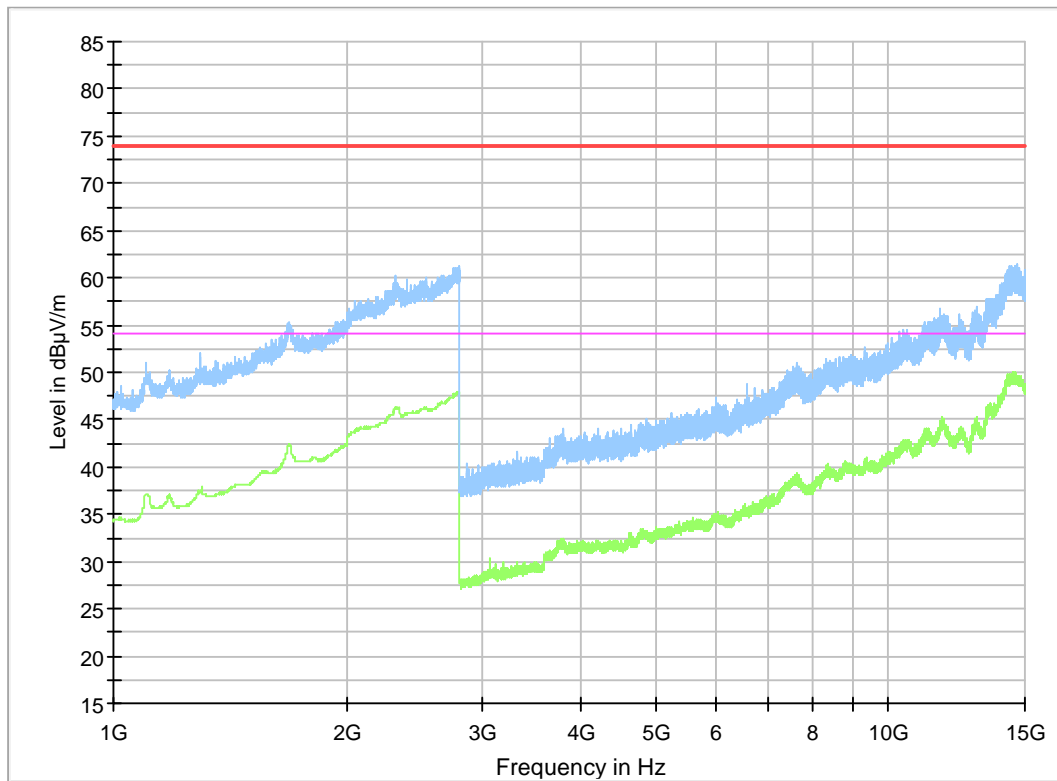
Common Information

Test Description:	Radiated Filed Strength Emission
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 15.109, class B / RSS-Gen., Issue 4
Operating Mode:	op1
Equipment Class:	Class B
Environmental Conditions::	Humidity : 60% rH; Temperature: 20 °C
Operator:	SOz
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number:	20-1-01553S42_C01
Power Supply:	120 V AC / 60Hz

Full Spectrum



4.02_laying

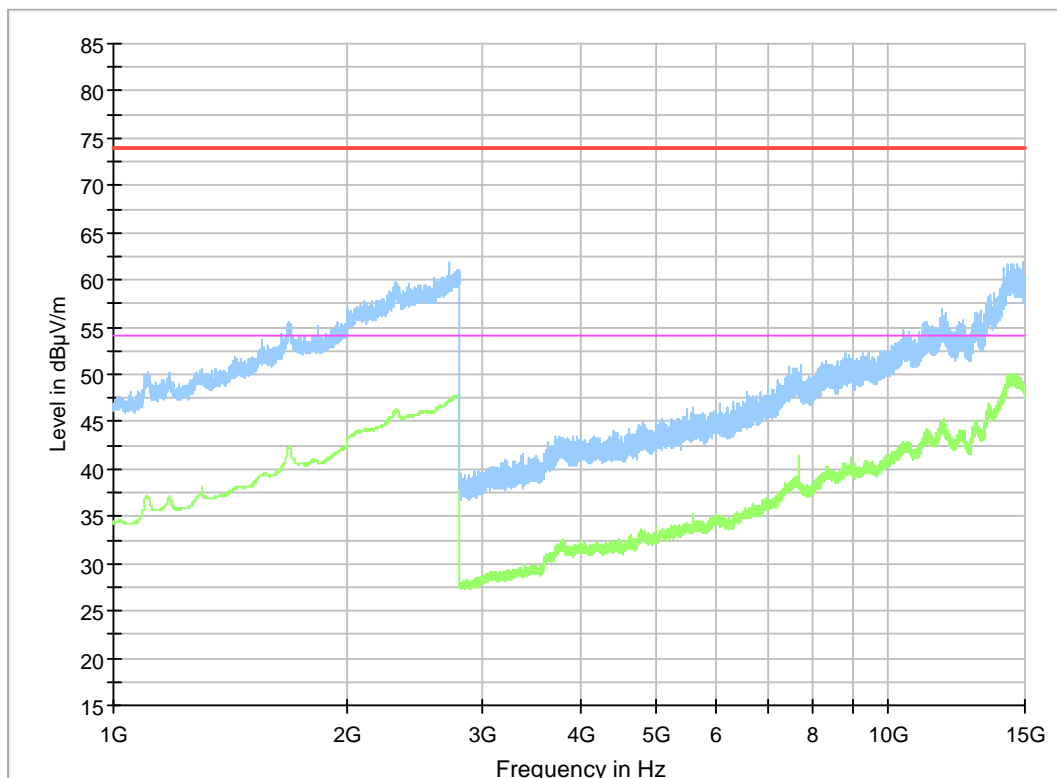
Common Information

Test Description:	Radiated Filed Strength Emission
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 15.109, class B / RSS-Gen., Issue 4
Operating Mode:	op1
Equipment Class:	Class B
Environmental Conditions::	Humidity : 60% rH; Temperature: 20 °C
Operator:	SOz
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number:	20-1-01553S42_C01
Power Supply:	120 V AC / 60Hz

Full Spectrum



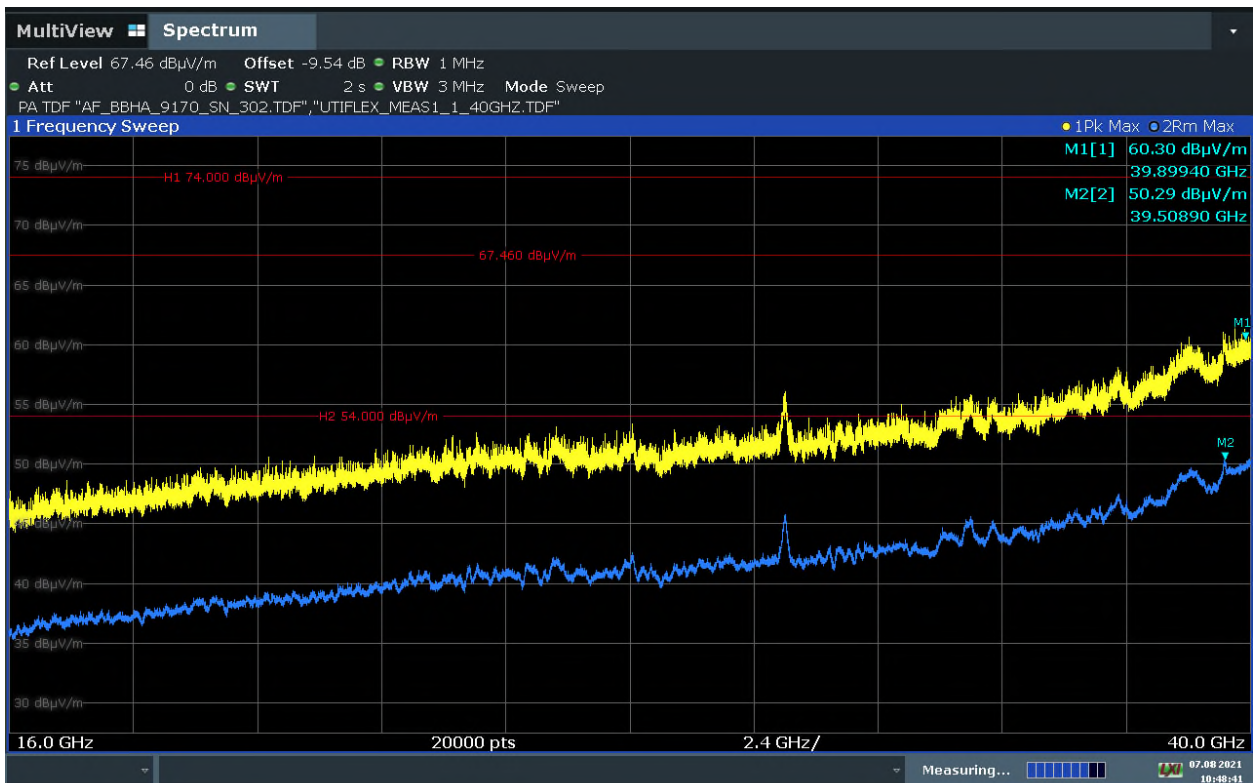
4.03

Common Information

Test Description:	Radiated Filed Strength Emission
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 15.109, class B / RSS-Gen., Issue 4
Operating Mode:	op1
Equipment Class:	Class B
Environmental Conditions::	Humidity : 60% rH; Temperature: 20 °C
Operator:	SOz
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number:	20-1-01553S42_C01
Power Supply:	120 V AC / 60Hz



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End Of Annex 1