

Annex 1: Measurement diagrams 21-1-0179501T014a-A1

Number of pages:	7	Date of Report:	2023-Mar-16
Testing company:	cetecom advanced GmbH Im Teelbruch 116 45219 Essen Germany Tel. + 49 (0) 20 54 / 95 19-0 Fax: + 49 (0) 20 54 / 95 19-150	Applicant:	Sentec AG
Product: Model:	Patient Monitor tCOM+		
FCC ID:	2ALTU-TCOM	IC:	22941-TCOM
Testing has been carried out in accordance with:	FCC Regulations Title 47 CFR, Chapter I, Subchapter A, Part 15 Subpart B Unintentional Radiators § 15.107 Conducted limits § 15.109 Radiated emission limits ISED-Regulations Radio Standards Specification RSS-Gen, Issue 5 General Requirements for Compliance of Radio Apparatus ICES-003, Issue 7 Information Technology Equipment (including Digital Apparatus)		

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1 Measurement diagrams

1.01

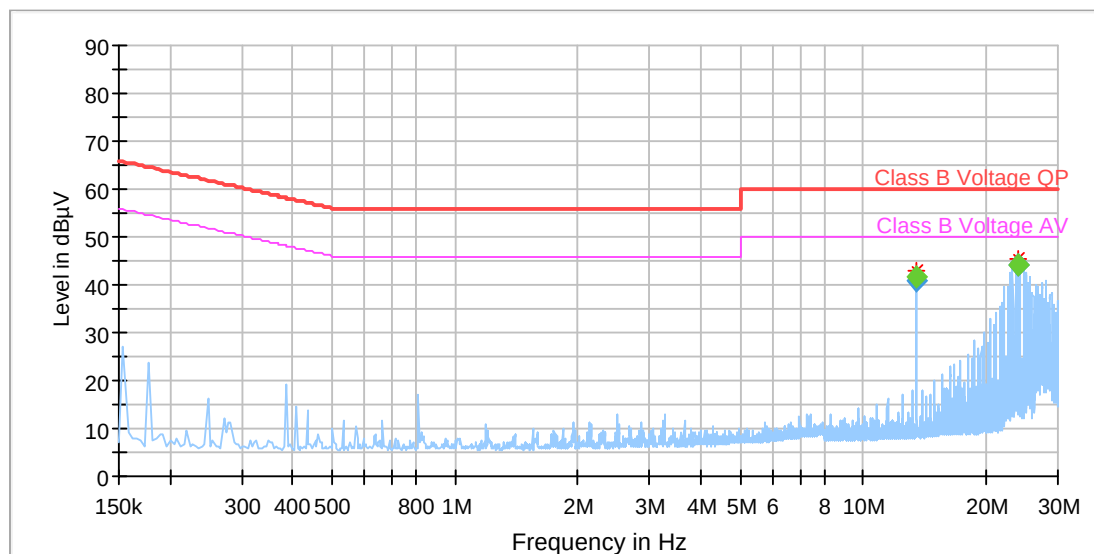
Common Information

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:	op mode 01
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: 24°C
Operator:	HLa
EUT Setup:	01
Verdict:	Passed

EUT Information

PMT number:	21-1-01795S18_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)
13.557656	---	41.71	50.00	8.29	1000.0	9.000	L1	GND	0.6
13.557656	40.96	---	60.00	19.04	1000.0	9.000	L1	GND	0.6
23.975625	---	44.13	50.00	5.87	1000.0	9.000	L1	GND	0.8
23.975625	44.17	---	60.00	15.83	1000.0	9.000	L1	GND	0.8

3.01

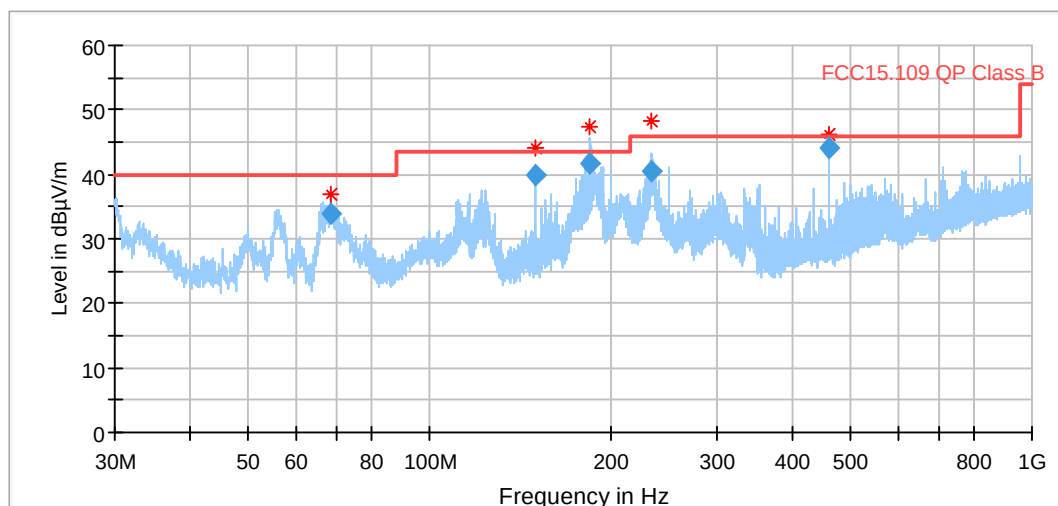
Common Information

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:	01
Operator Name:	HLa
Environmental Conditions:	Humidity : 40 %rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

PMT number	21-1-01795S18_C01
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Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Comment
68.390000	33.88	40.00	6.12	120.000	159.0	V	18.0	6.5	14:18:08 - 21.12.2022
150.030000	40.04	43.50	3.46	120.000	106.0	V	351.0	8.1	14:02:40 - 21.12.2022
184.990000	41.82	43.50	1.68	120.000	113.0	V	28.0	10.8	14:07:50 - 21.12.2022
232.910000	40.48	46.00	5.52	120.000	106.0	H	348.0	12.6	13:57:56 - 21.12.2022
461.030000	44.24	46.00	1.76	120.000	108.0	V	225.0	19.9	14:12:48 - 21.12.2022

4.01a

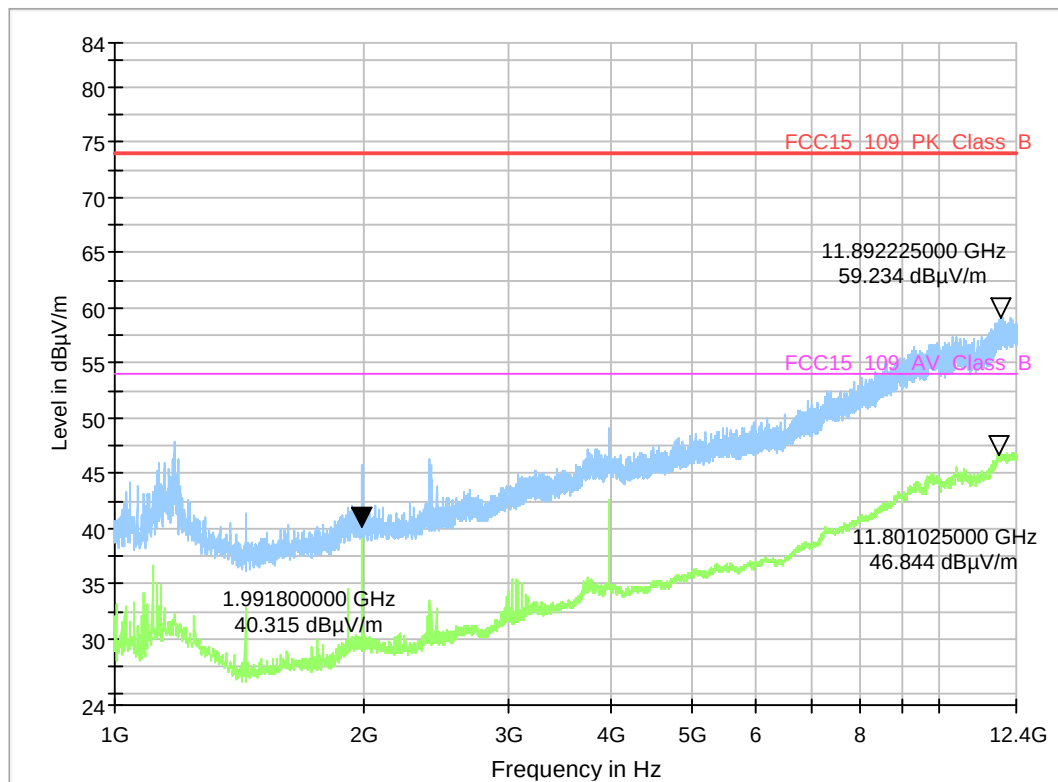
Common Information

Test Description:	Radiated Filed Strength Emission
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC Part 15.109, class B / RSS-Gen., Issue 4
Operating Mode:	01
Equipment Class:	Class B
Environmental Conditions:	Humidity: 40 %rH; Temperature: 21 °C
Operator:	Hla
Verdict:	Passed

EUT Information

PMT Sample Nr.	21-1-0179501S18_C01
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Full Spectrum



4.01b

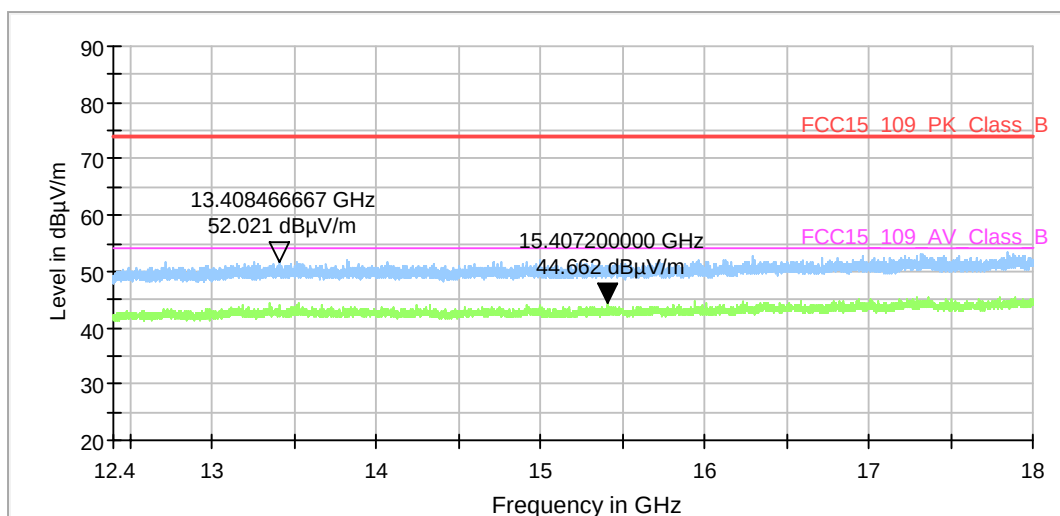
Common Information

Test Description:	Radiated Field Strength Emission
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC Part 15.109, class B / RSS-Gen., Issue 4
Operating Mode:	01
Equipment Class:	Class B
Environmental Conditions:	Humidity: 40 %rH; Temperature: 21 °C
Operator:	Hla
Verdict:	Passed

EUT Information

PMT Sample Nr.	21-1-0179501S18_C01
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Full Spectrum



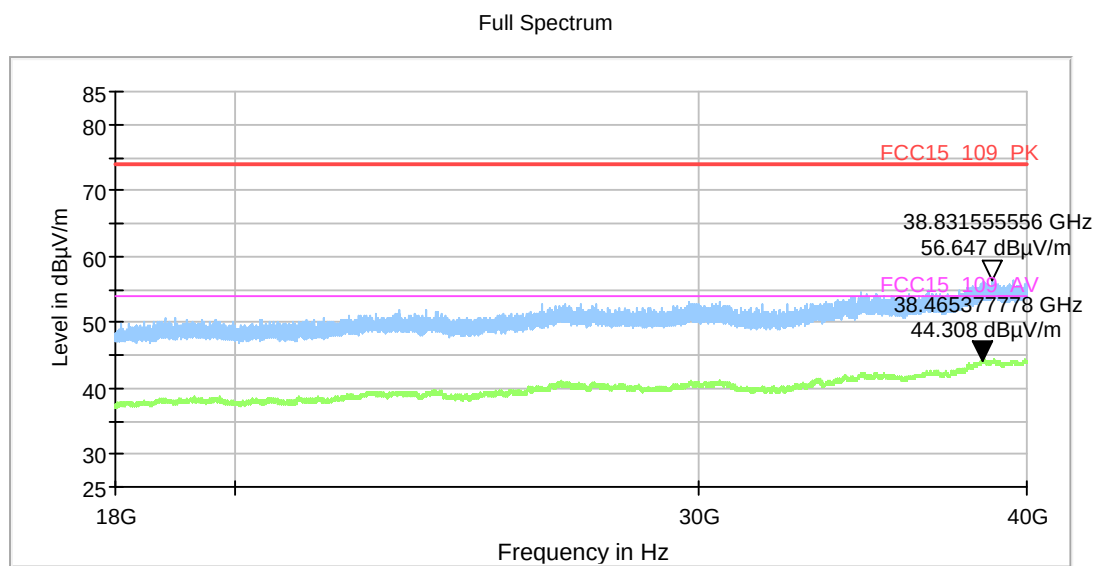
4.01c

Common Information

Test Description:	Radiated Field Strength Emission
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC Part 15.109, class B / RSS-Gen., Issue 4
Operating Mode:	01
Equipment Class:	Class B
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Operator:	Hla
Verdict:	Passed

EUT Information

PMT Sample Nr.	21-1-0179501S18_C01
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End of Annex 1