

Annex 1: Measurement diagrams 20-1-0170701T09a-A1

Number of pages:	7	Date of Report:	2021-Jun-01
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:	AIRBUS OPERATIONS S.A.S
Product: Model:	Avionics device RMAX		
FCC ID:	2AZDJ-RMAX01	Contains IC:	2417C-EM75
Testing has been carried out in accordance with:	FCC Regulations: Title 47 CFR, Chapter I FCC Regulations, Subchapter A Subpart B: §15.109 (Class B limits) ISED Regulations: ICES-003, Issue 6 (2016+Update 2019)		



Table of Contents

1 Measurement diagrams.....3

1 Measurement diagrams

3.01a_laying

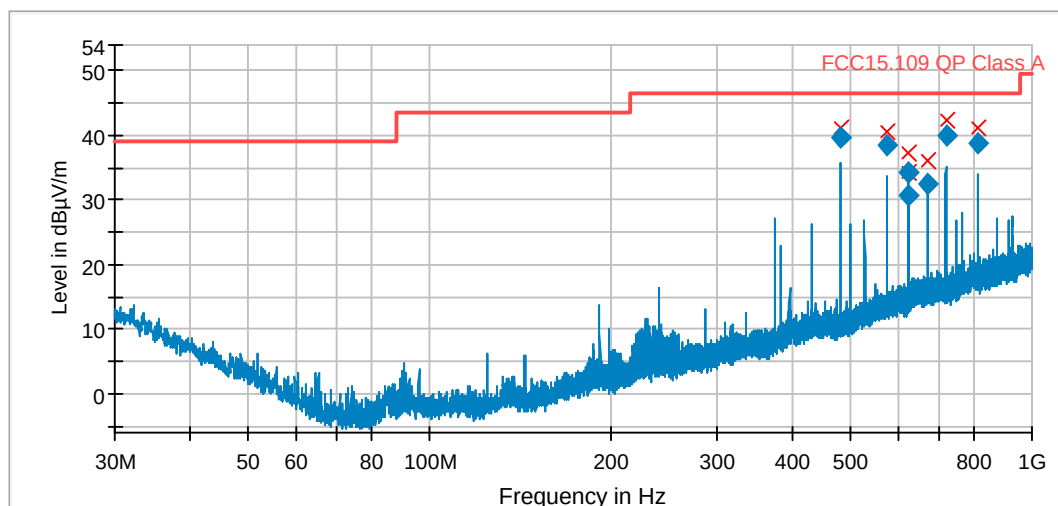
Common Information

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:	OP. mode 1
Environmental Conditions:	Humidity : 44% rH; Temperature: 21 °C
Verdict:	Passed

EUT Information

PMT number:	20-1-01707S05_C01
-------------	-------------------

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)
479.992000	39.66	46.40	6.34	1000.0	120.000	113.0	V	2.0	19.2
576.000000	38.44	46.40	7.56	1000.0	120.000	163.0	V	195.0	21.7
624.000000	34.43	46.40	11.57	1000.0	120.000	158.0	V	91.0	22.1
625.002000	30.59	46.40	15.41	1000.0	120.000	171.0	V	75.0	22.2
672.012000	32.52	46.40	13.48	1000.0	120.000	135.0	V	218.0	23.3
720.004000	39.96	46.40	6.04	1000.0	120.000	104.0	H	225.0	23.8
815.992000	38.84	46.40	7.16	1000.0	120.000	100.0	H	220.0	25.2

3.01b_standing

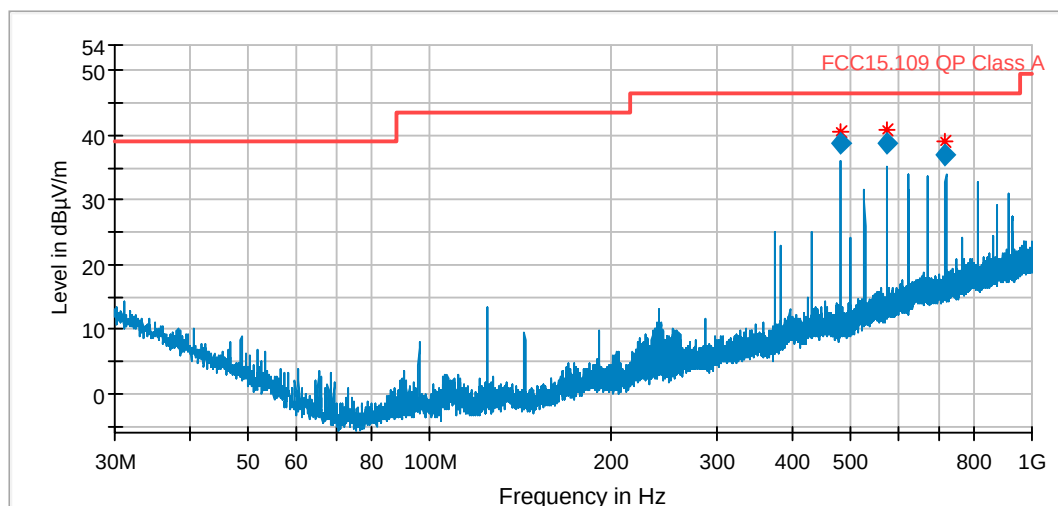
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Semi Anechoic Chamber (SAC1)
Test Standard:	Radiated emission
Antenna polarisation:	horizontal/vertical
Operation mode:	OP. mode 1
Environmental Conditions:	Humidity : 44% rH; Temperature: 21 °C
Verdict:	Passed

EUT Information

PMT number:	20-1-01707S05_C01
-------------	-------------------

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)
480.000000	38.85	46.40	7.15	1000.0	120.000	111.0	V	336.0	19.2
575.996000	38.91	46.40	7.09	1000.0	120.000	109.0	V	240.0	21.7
719.996000	36.84	46.40	9.16	1000.0	120.000	107.0	H	220.0	23.8

4.01

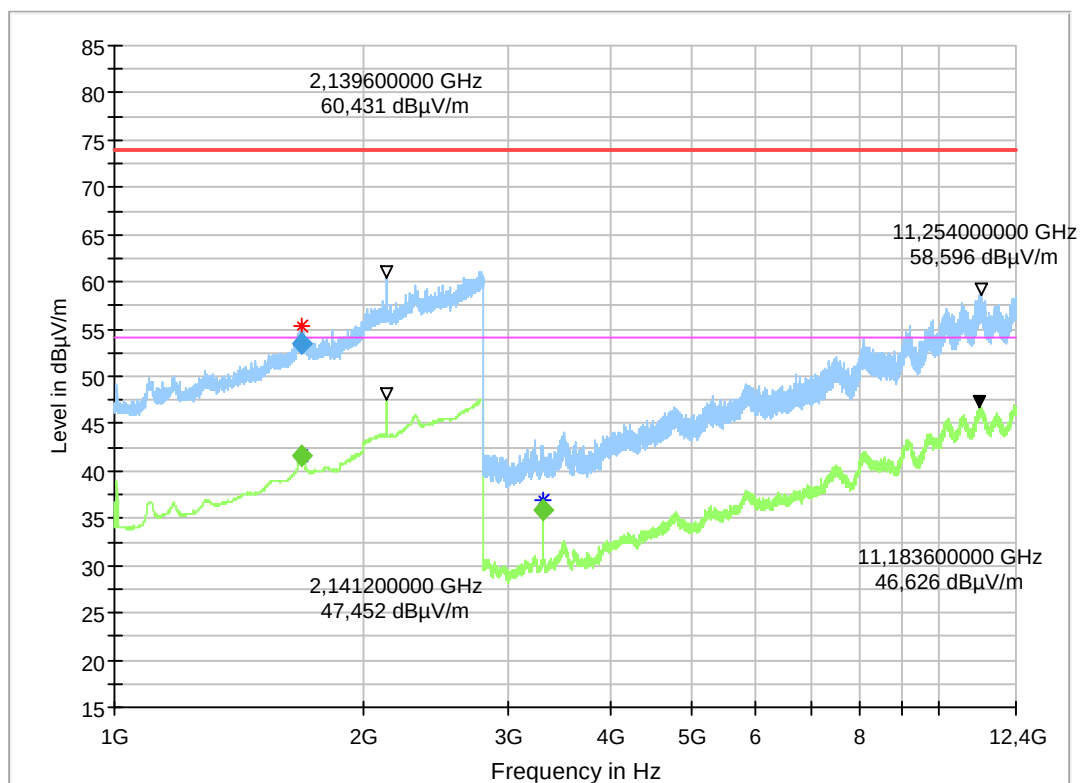
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Test Standard:	FCC 15.109 Unintentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	OP. mode 1
Environmental Conditions:	Humidity : 35% rH; Temperature: 18 °C
Verdict:	Passed

EUT Information

PMT number:	20-1-01707S05_C01
-------------	-------------------

Full Spectrum



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
1687.980000	---	54.00	12.36	100.0	1000.000	H	88.0	0.0	34
1690.700000	53.58	74.00	20.42	100.0	1000.000	H	34.0	0.0	34
3312.500000	---	54.00	18.10	100.0	1000.000	H	122.0	0.0	2

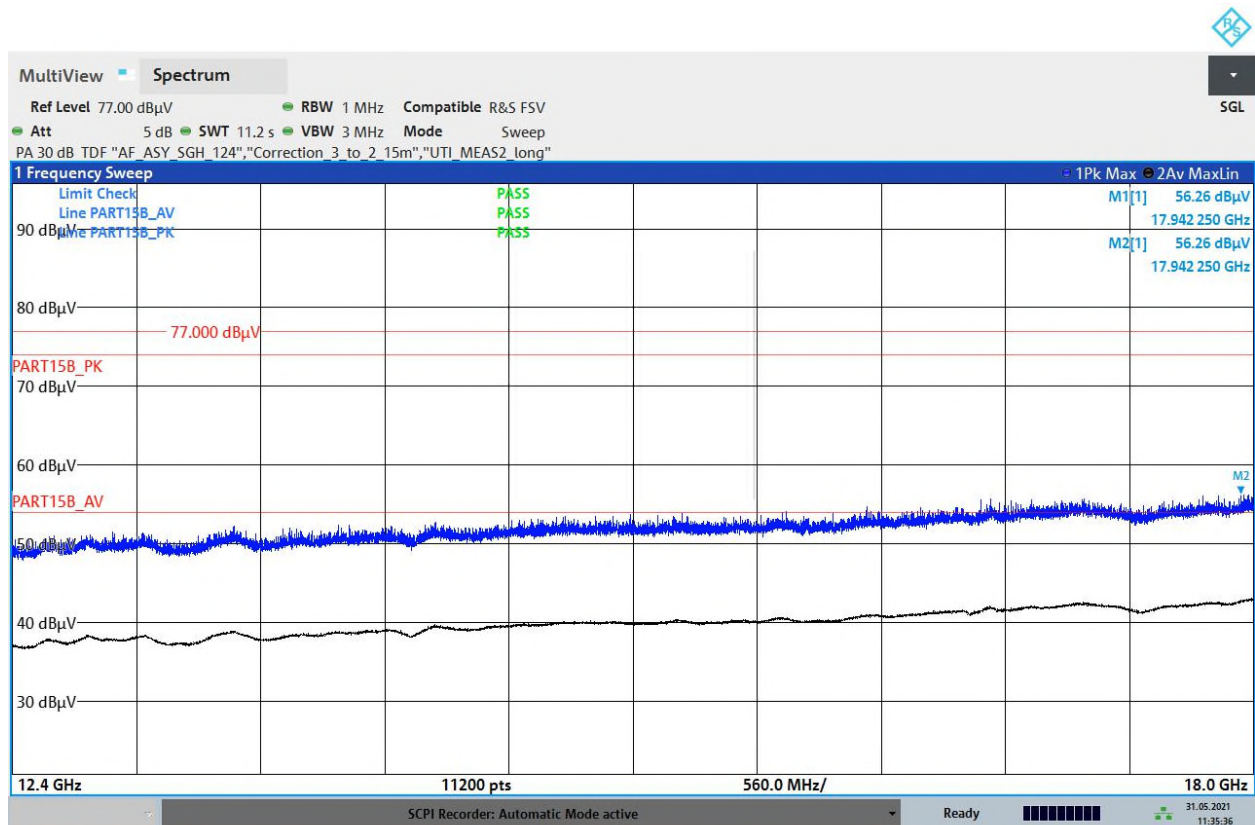
4.02

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Test Standard:	FCC 15.109 Unintentional Radiator
Antenna polarisation:	vertical
Operation mode:	OP. mode 1
Environmental Conditions:	Humidity : 44% rH; Temperature: 21 °C
Verdict:	Passed

EUT Information

PMT number:	20-1-01707S05_C01
-------------	-------------------



11:35:36 31.05.2021

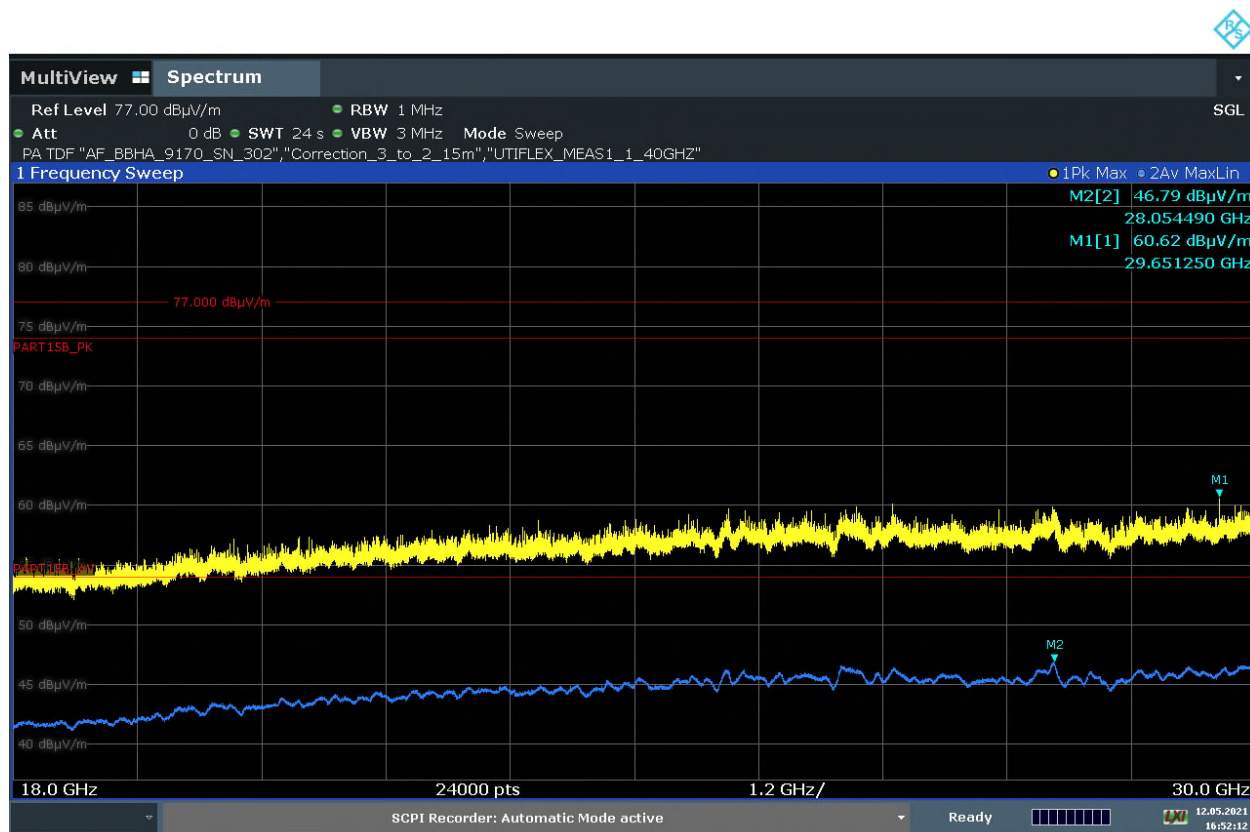
4.03

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Test Standard:	FCC 15.109 Unintentional Radiator
Antenna polarisation:	vertical
Operation mode:	OP. mode 1
Environmental Conditions:	Humidity : 44% rH; Temperature: 21 °C
Verdict:	Passed

EUT Information

PMT number:	20-1-01707S05_C01
-------------	-------------------



End Of Annex 1