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Test – Results

Order-No.:

80166757-04 Rev_1

Client	Robert Bosch Power Tools GmbH, Max-Lang-Str. 40-46, 70771 Leinfelden-Echterdingen, GERMANY		
Manufacturer	Robert Bosch Power Tools Corp., 1800 W. Central Rd., Mount Prospect, Illinois, 60056, USA		
Product Description	Thermal Camera		
Type / Model Name	GTC600C		
Antenna	Part number	AH316M245001	
	Max Gain	+1.9 dBi	
Testing commenced on	2023-06-28	Test is made according to Customer specific	
Testing concluded on	2023-06-28		
Serial - No.	Sample C1-4		

Remarks:

Customer specific tests in order to determine antenna performance.

This test result consists of 6 page(s). The test result only corresponds to the tested sample. It is not permitted to copy extracts of these test results without the written permission of the test laboratory.

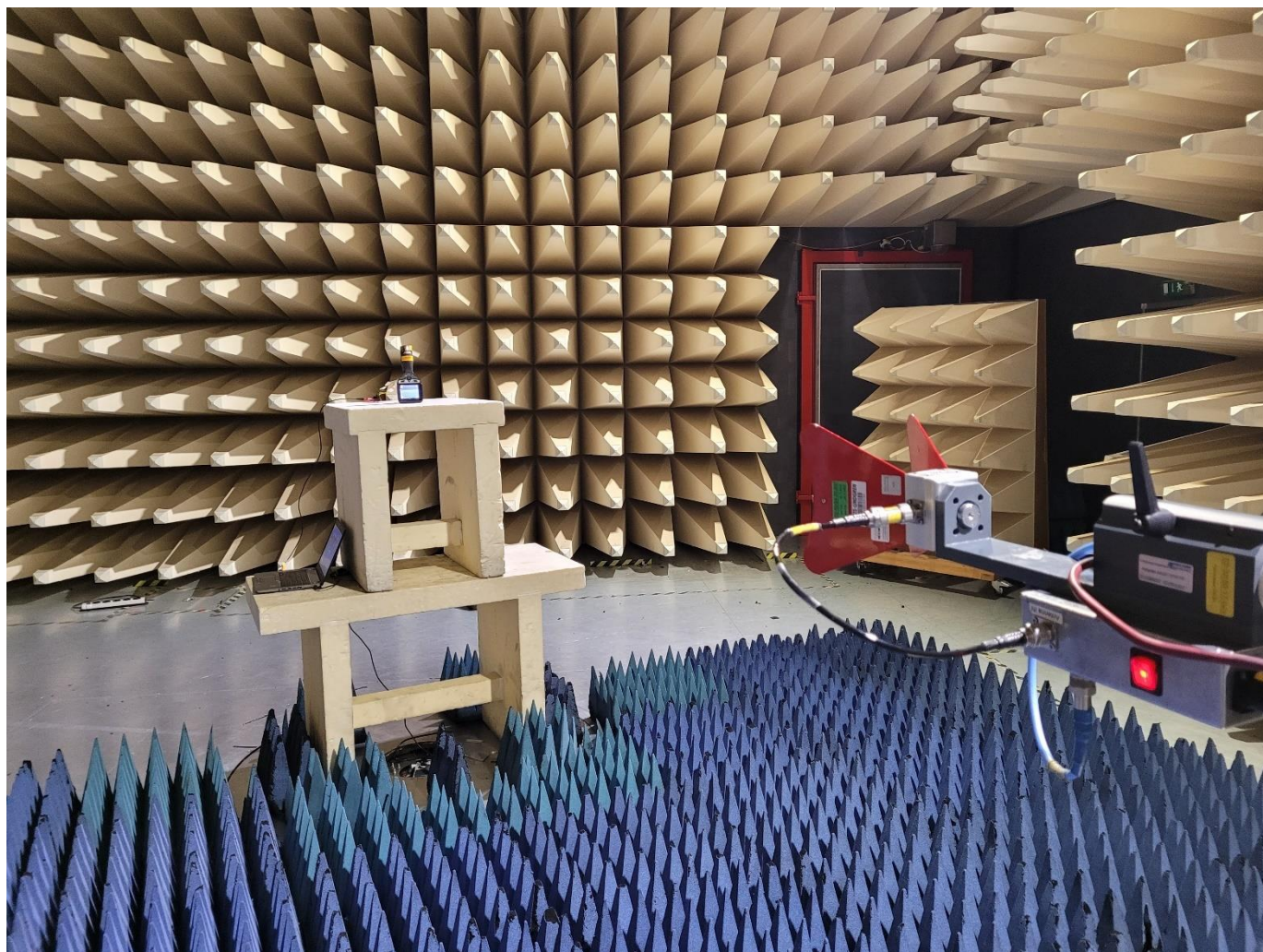
Date	Checked by	Tested by	Result
2023-07-06			not applicable

The test report merely corresponds to the test sample. It is not permitted to copy extracts of these test results without the written permission of the test laboratory.

Photo documentation and Setup description

Measurements are performed with a 3-meter test setup in fully anechoic chamber A1.

Height of EUT:	1.5 m
Height of receiving antenna:	1.5 m
Test distance:	3.0 m
Polarisation of receiving Antenna:	horizontal and vertical
Measured Wifi frequencies:	2412 MHz, 2462 MHz

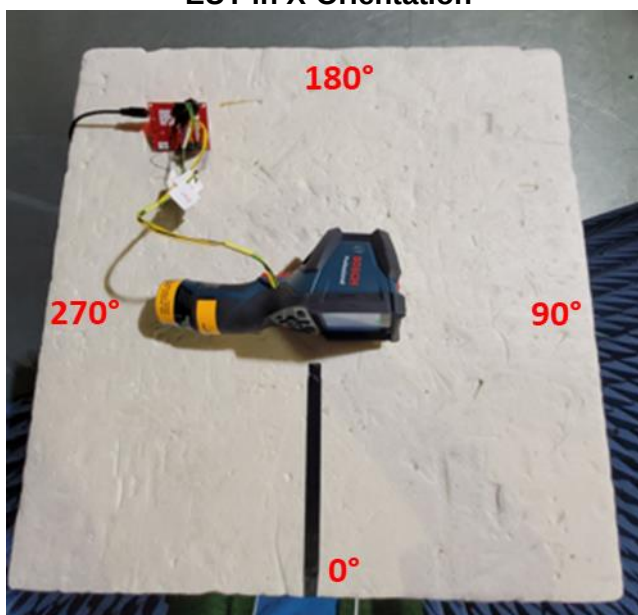


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Test results

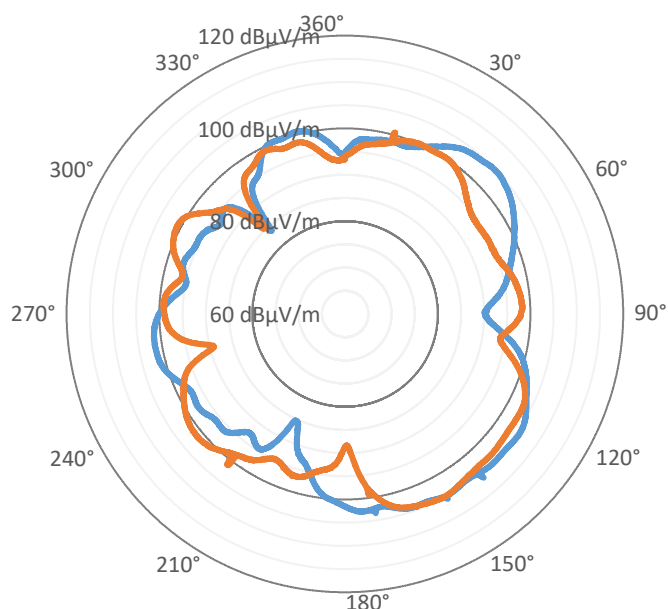
for test instruments and accessories used see **CPR 3**

EUT in X-Orientation



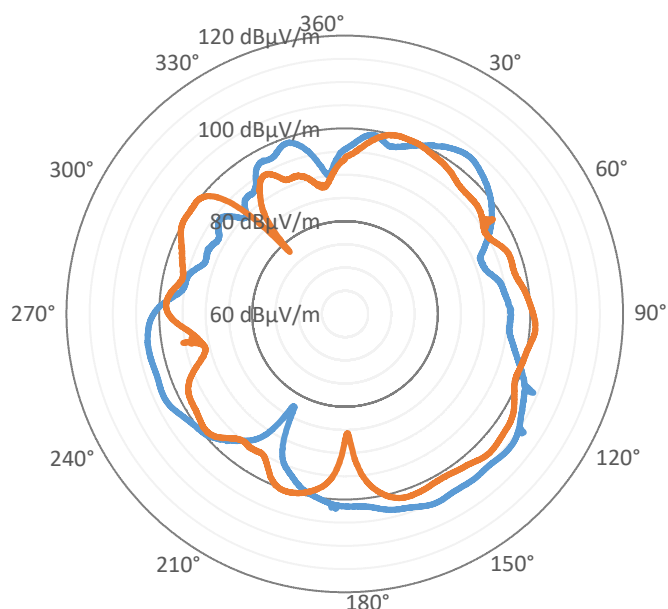
Antenna pattern 3 m, X-Orientation, 2412 MHz

— X - CH1 - horizontal — X - CH1 - vertical

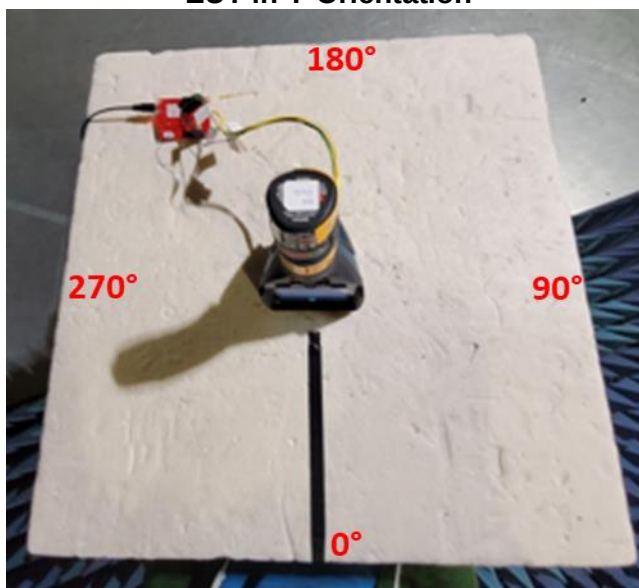


Antenna pattern 3 m, X-Orientation, 2462 MHz

— X - CH11 - horizontal — X - CH11 - vertical

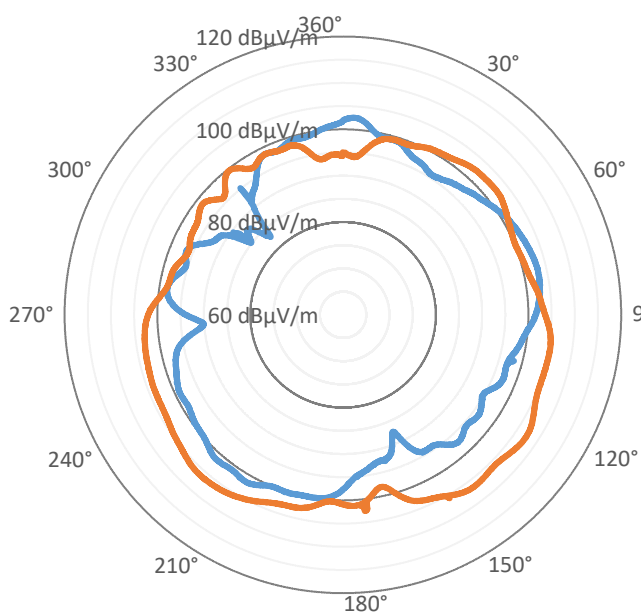


EUT in Y-Orientation



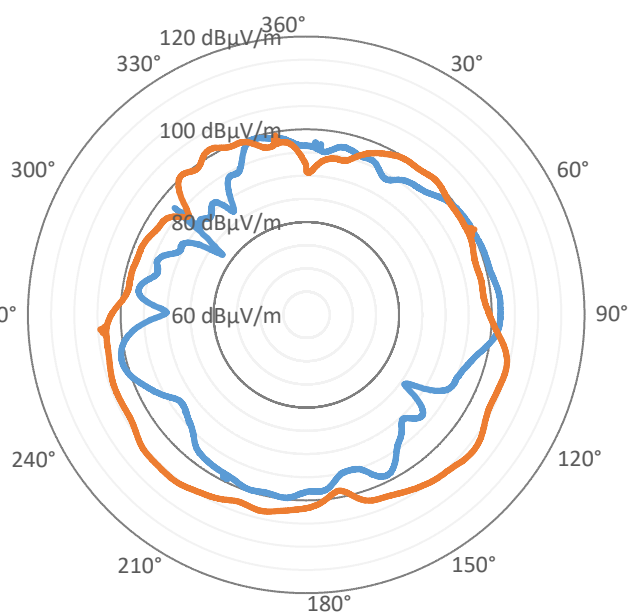
Antenna pattern 3 m, Y-Orientation, 2412 MHz

— Y - CH1 - horizontal — Y - CH1 - vertical

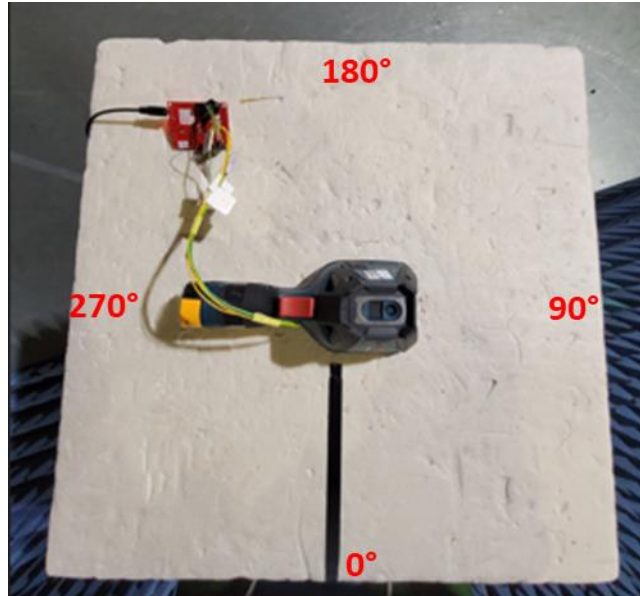


Antenna pattern 3 m, Y-Orientation, 2462 MHz

— Y - CH11 - horizontal — Y - CH11 - vertical

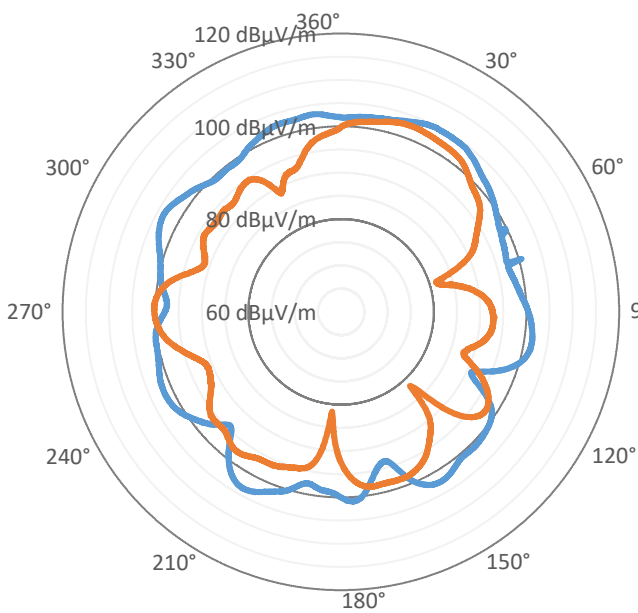


EUT in Z-Orientation



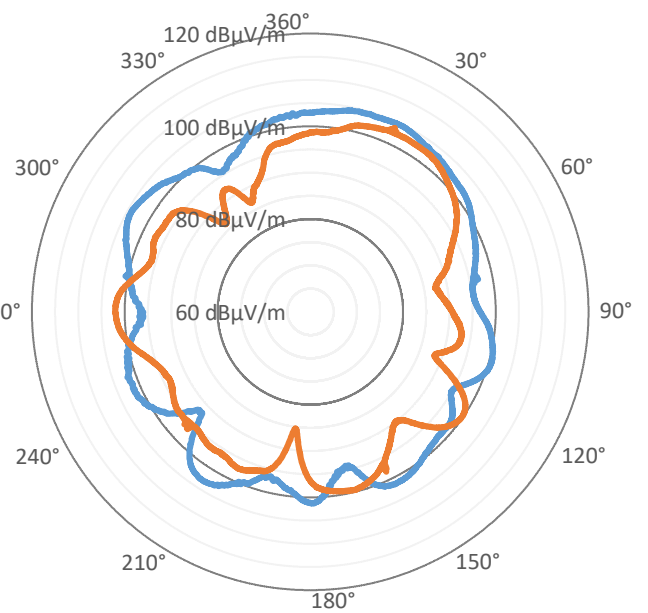
Antenna pattern
3 m, Z-Orientation, 2412 MHz

— Z - CH1 - horizontal — Z - CH1 - vertical



Antenna pattern
3 m, Z-Orientation, 2462 MHz

— Z - CH11 - horizontal — Z - CH11 - vertical



USED TEST EQUIPMENT AND ACCESSORIES

All test instruments used, in addition to the test accessories, are calibrated and verified regularly.

Test ID	Model / Type	Kind of Equipment	Manufacturer	Equipment No.
CPR 3	FSW43	Spectrum Analyser	Rohde & Schwarz München	02-02/11-15-001
	AMF-6D-01002000-22-10P	RF Amplifier	MITEQ, Inc.	02-02/17-15-004
	3117	Horn Antenna 1 - 18 GHz	EMCO Elektronik GmbH	02-02/24-05-009
	18N-20	Coax Attenuator 20dB	Tactron Elektronik	02-02/50-17-002
	BAM 4.5-P	Antenna Mast	matur GmbH	02-02/50-17-024
	NCD	Controller for Antenna Mas	matur GmbH	02-02/50-17-025
	KK-SF106-2X11N-6,5M	RF Cable	Huber + Suhner	02-02/50-18-016
	BAT-EMC 2022.0.23.0	Nexio Software	EMCO Elektronik GmbH	02-02/68-13-001

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