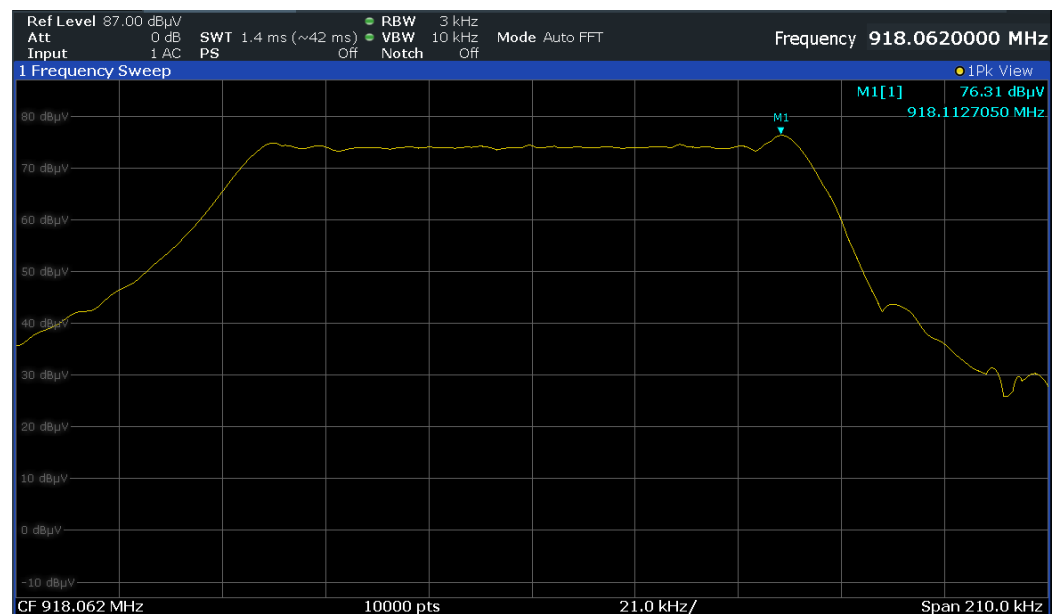
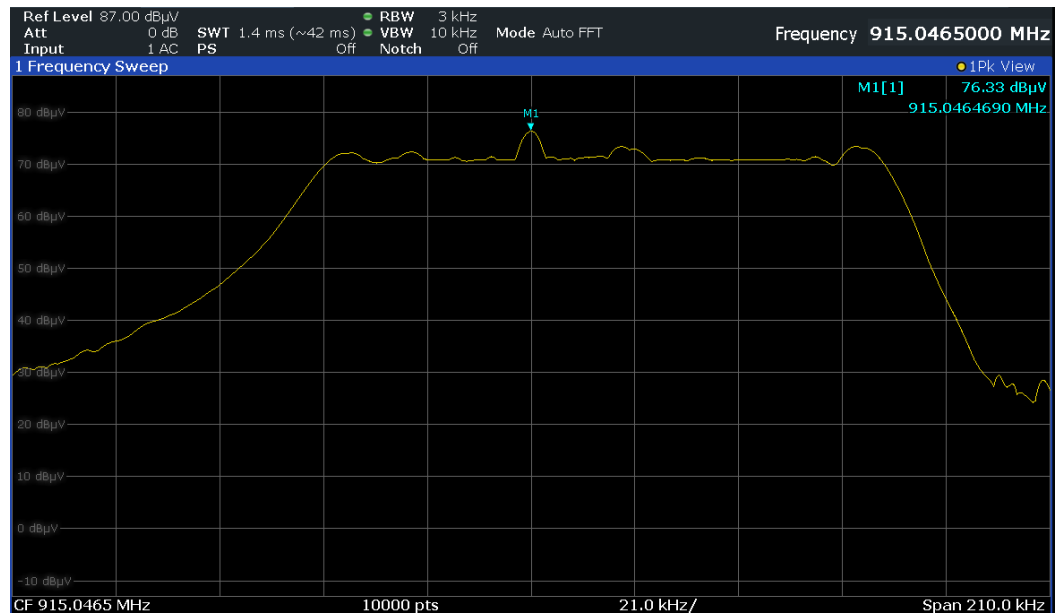


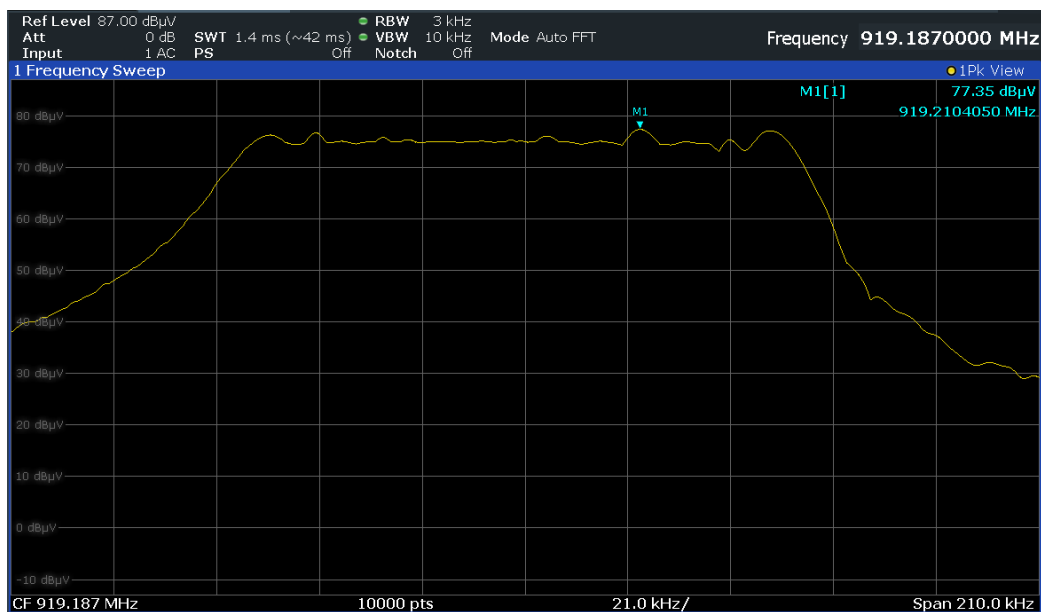
Frequency	Electro-magnetic field (dBμV/m)	TP* (dBm)	Limit (dBm)
915.062 MHz	102.95	+ 5.6	+ 8.0
918.062 MHz	102.93	+ 5.6	+ 8.0
919.187 MHz	104.01	+ 6.6	+ 8.0

* TP = $(E \times d)^2 / (30 \times 1.64)$ for d = 3 m

E.U.T. position:







6.8. Additional provisions to the general radiated emissions limitation

Reference standard:	FCC 47 CFR PART 15 : 2023 RSS-247 Issue 2 : 2017
Test method:	§ 15.215 b) and § 15.247 d) of FCC 47 CFR PART 15 : 2023 § 5.5 of RSS-247 Issue 2 : 2017
General test setup: E.U.T. is set on an insulating support at 80 cm above the ground reference plane. Measurement are done on a normalized test site by the substitution method. The test antenna is oriented in the two polarizations (vertical and horizontal), and the product is rotated at 360° in the horizontal plane (See photo(s) for initial position of the EUT(0°)). If applicable the test antenna was raised and lowered through the specified range of height until a maximum signal level is detected. For portable equipments a research of maximum level is done on the 3 axes. Only the highest levels are recorded.	

LABORATORY PARAMETERS:	REQUIRED PRIOR TO THE TEST	DURING THE TEST
Ambient Temperature	10 to 40 °C	22°C
Relative Humidity	10 to 90 %	45%
Atmospheric pressure	N/A	N/A
Test method deviation: No		
Supplementary information: -		

TEST EQUIPMENT USED					
Order Nr	Category	Manufacturer	Type	Last validity date	Next validity date
00294	Antenna	Rohde & Schwarz	HL223	05/05/2023	05/07/2026
11184	Cable	C&C	N-5M	22/06/2023	22/08/2024
17269	Cable	Huber + Suhner	N-6M	29/08/2022	29/10/2024
06089	Receiver	Rohde & Schwarz	ESIB26	15/11/2022	15/01/2025
14622	Shielded enclosure	Comtest	SAC 3M	27/04/2022	27/06/2025

Blank cells = Permanent validity

Band Edge measurement :

Polarization of test antenna: Vertical (height = 100 cm)
Position of equipment: azimuth = 190°

} For 915.062 MHz

Polarization of test antenna: Vertical (height = 100 cm)
Position of equipment: azimuth = 190°

} For 918.062 MHz

Polarization of test antenna: Vertical (height = 100 cm)
Position of equipment: azimuth = 190°

} For 919.187 MHz

Frequency (MHz)	Field Strength Level of fundamental (dBμV/m)	Detector (Peak or Average)	Frequency of maximum Band-edges Emission (MHz)	Calculated Max Out of Band Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
915.062	105.28	Peak	①	-	54.0	-
918.062	108.64	Peak	①	-		-
919.187	109.76	Peak	①	-		-

① : No frequencies were observed above the measurement noise.

6.9. Unintentional radiated emissions and transmitter unwanted emission in the band 9 kHz – 10 GHz

Reference standard:	FCC 47 CFR PART 15 : 2023 RSS-Gen_Issue 5 : 2018 / AMD1: 2019 / AMD2: 2021
Test method:	§ 15.205; § 15.209 and § 15.247 of FCC 47 CFR PART 15 : 2023 § 6.13 of RSS-Gen_Issue 5 : 2018 / AMD1: 2019 / AMD2: 2021
General test setup: E.U.T. is set on an insulating support at 0.8 m (<1GHz) and 1.5 m (>1GHz) above the ground reference plane. For maximum meter reading at each frequency, the antenna height is adjusted between 1 m and 4 m above the ground plane for 9 kHz - 10 GHz. A 360 degrees rotation of the EUT is performed in vertical and horizontal polarization.	

TESTED CONFIGURATION	PARAMETER	VERDICT
Maxhold 360° - Tx 915.062 MHz	9kHz-30MHz	PASS
Maxhold 360° - Tx 918.062 MHz	9kHz-30MHz	PASS
Maxhold 360° - Tx 919.187 MHz	9kHz-30MHz	PASS
Maxhold 360° - Tx 915.062 MHz	30MHz-1GHz	PASS
Maxhold 360° - Tx 918.062 MHz	30MHz-1GHz	PASS
Maxhold 360° - Tx 919.187 MHz	30MHz-1GHz	PASS
Maxhold 360° - Tx 915.062 MHz	1GHz-10GHz	PASS
Maxhold 360° - Tx 918.062 MHz	1GHz-10GHz	PASS
Maxhold 360° - Tx 919.187 MHz	1GHz-10GHz	PASS

LABORATORY PARAMETERS:	REQUIRED PRIOR TO THE TEST	DURING THE TEST
Ambient Temperature	10 to 40 °C	23°C
Relative Humidity	10 to 90 %	37%
Atmospheric pressure	N/A	N/A
Test method deviation: No		
Supplementary information: -		

TEST EQUIPMENT USED					
CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Amplifier	Mini-Circuit	ZFL-1000LN	00364	15/02/2023	15/04/2024
Amplifier	Agilent	8449B	14487	12/09/2023	12/11/2024
Antenna	Rohde & Schwarz	HL223	00294	05/05/2023	05/07/2026
Antenna	Rohde & Schwarz	HK116	00293	30/09/2021	30/11/2024
Antenna	Eaton	96009/2	04713	22/02/2023	22/04/2025
Antenna	Emco	3115	00941	01/03/2022	01/05/2025
Cable	C&C	N-5M	11184	22/06/2023	22/08/2024
Cable	C&C	N-4M	14226	26/06/2023	26/08/2024
Cable	Câbles Et Connectiques	N-2M	02451	29/08/2022	29/10/2024
Cable	Huber + Suhner	N-6M	17269	29/08/2022	29/10/2024
Filter	Trilithic	6HC1300-2.5-KK	01097	13/06/2022	13/08/2025
Receiver	Rohde & Schwarz	ESIB26	06089	15/11/2022	15/01/2025
Receiver	Rohde & Schwarz	ESW44	17058	15/06/2023	15/08/2024
Shielded enclosure	Comtest	SAC 3M	14622	27/04/2022	27/06/2025
Software	Nexio	BAT EMC	00000		

BAT-EMC software version: V3.18.0.26
Blank cells = Permanent validity

TEST SETUP PHOTOS

9 kHz – 30 MHz



TEST SETUP PHOTOS

9 KHz – 30 MHz



TEST SETUP PHOTOS
30 MHz – 1 GHz

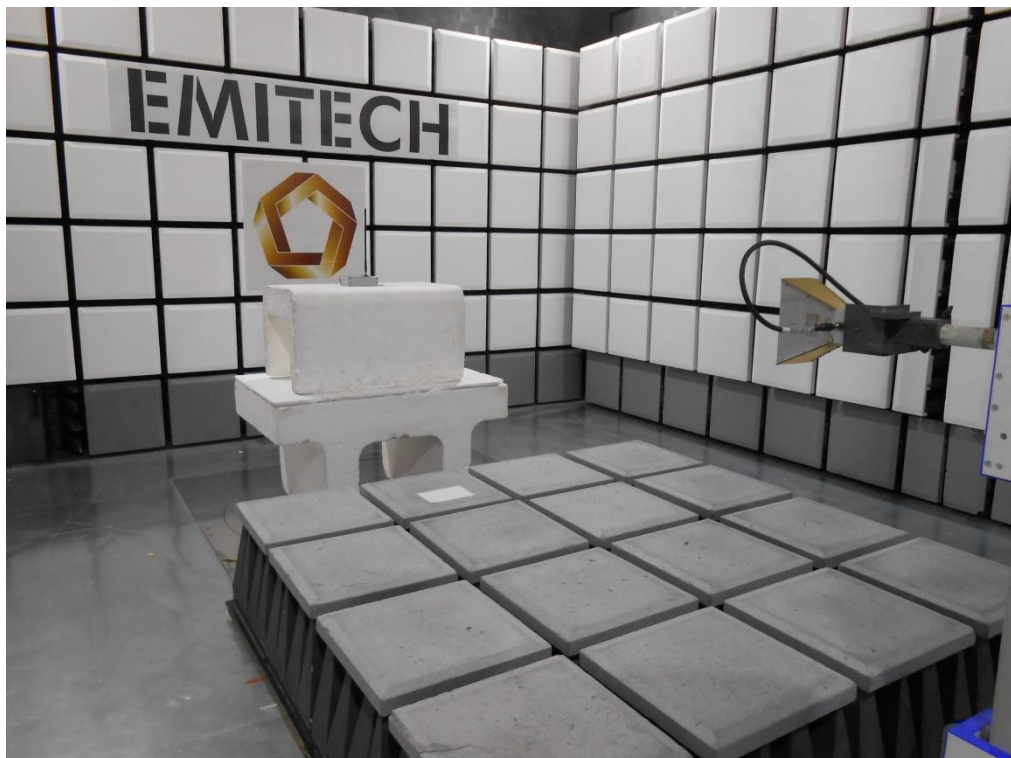
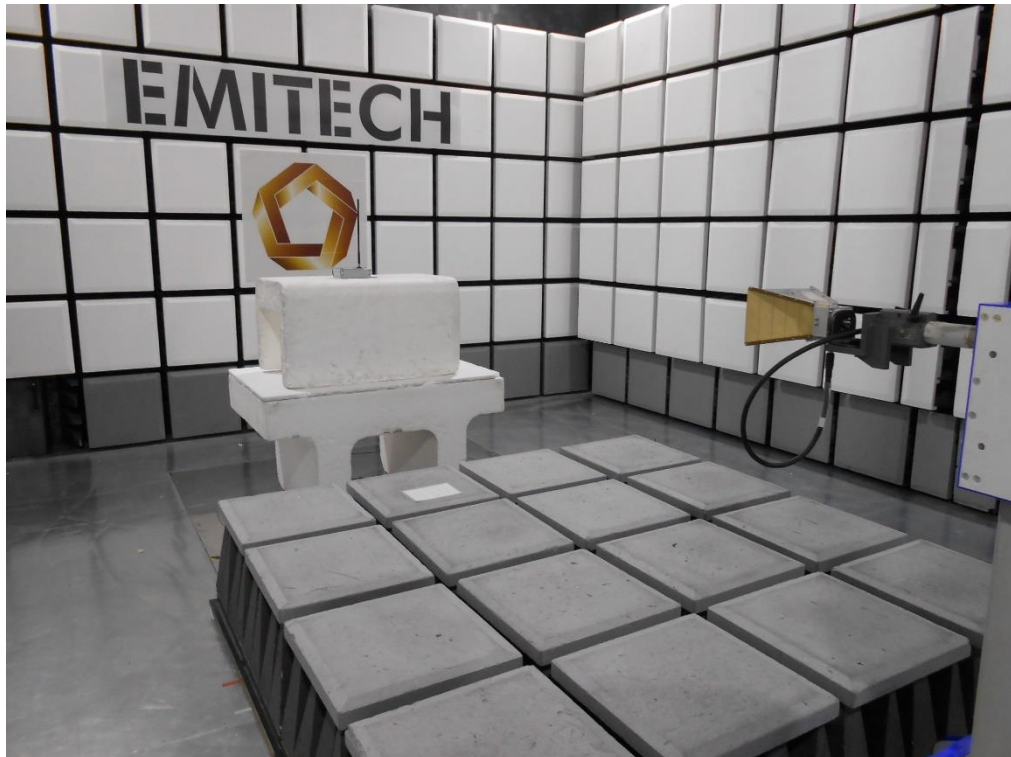


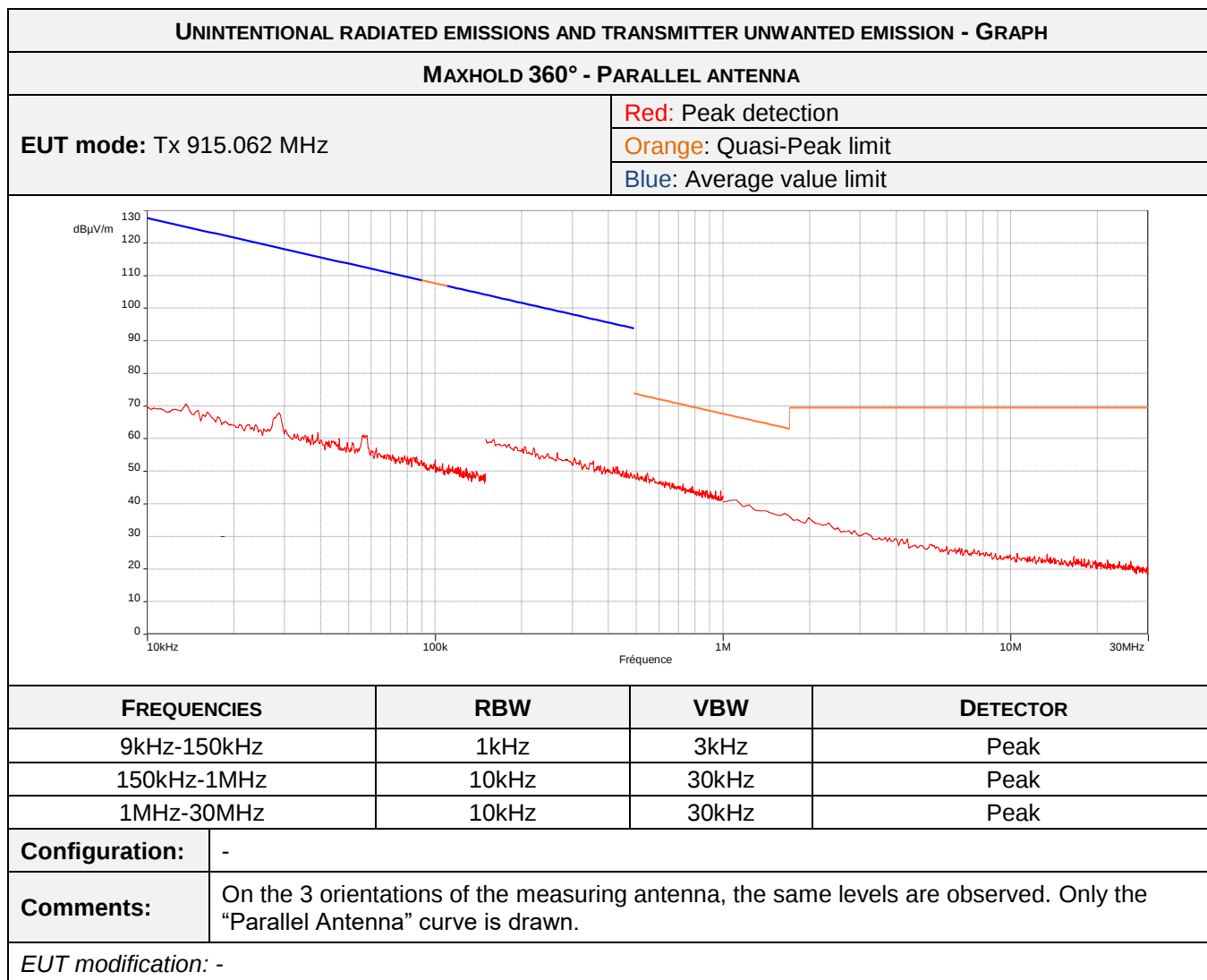
TEST SETUP PHOTOS
30 MHz – 1 GHz

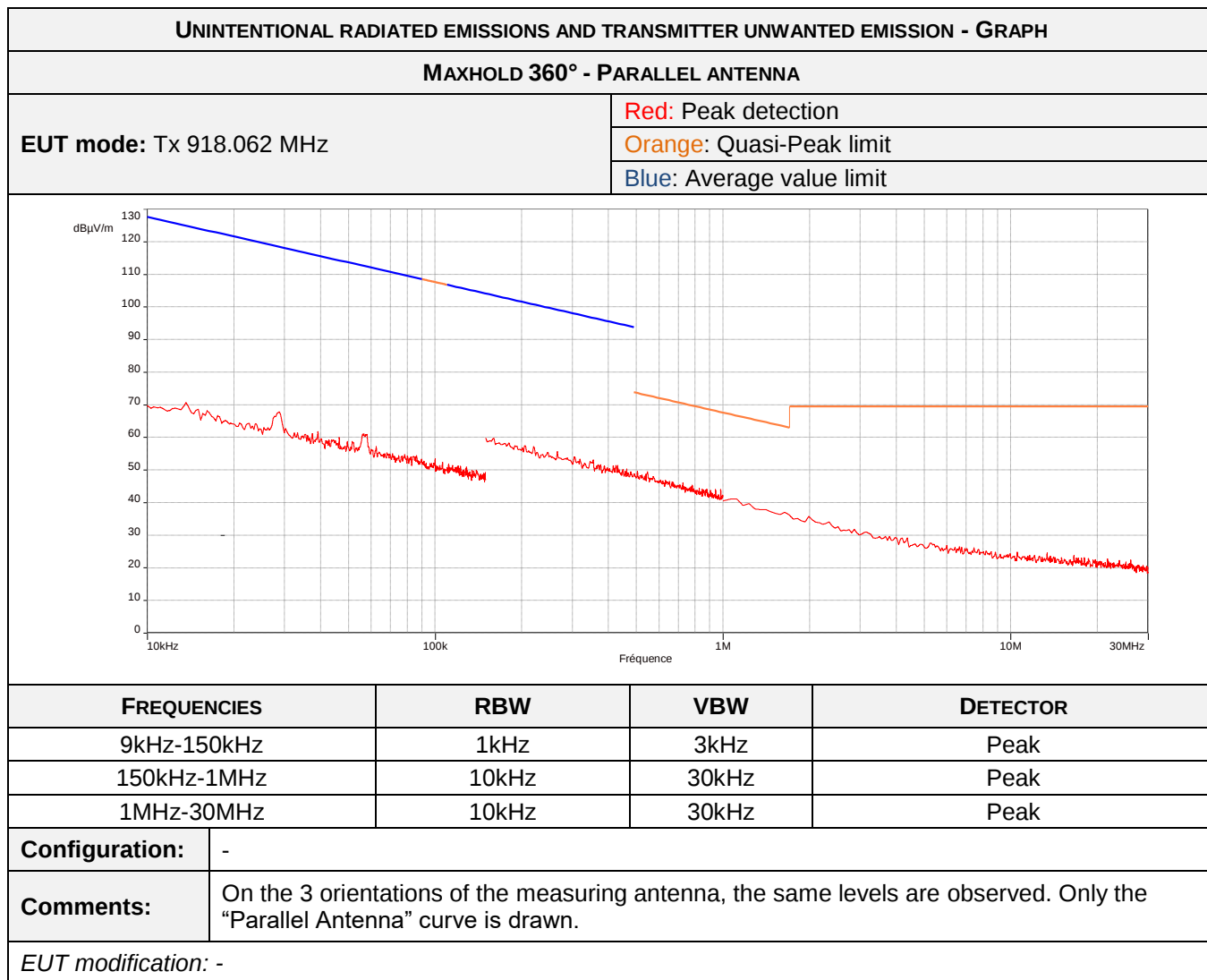


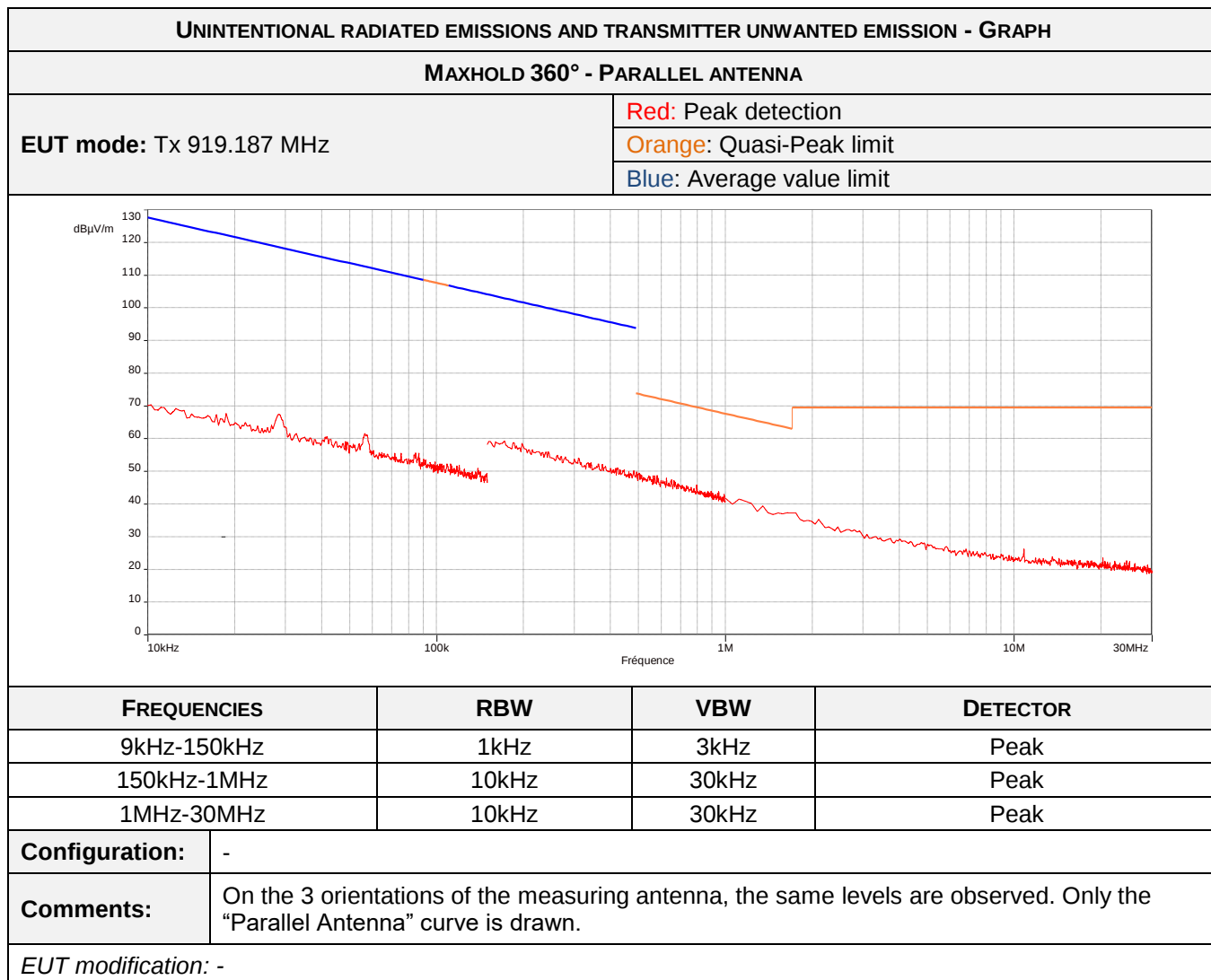
TEST SETUP PHOTOS

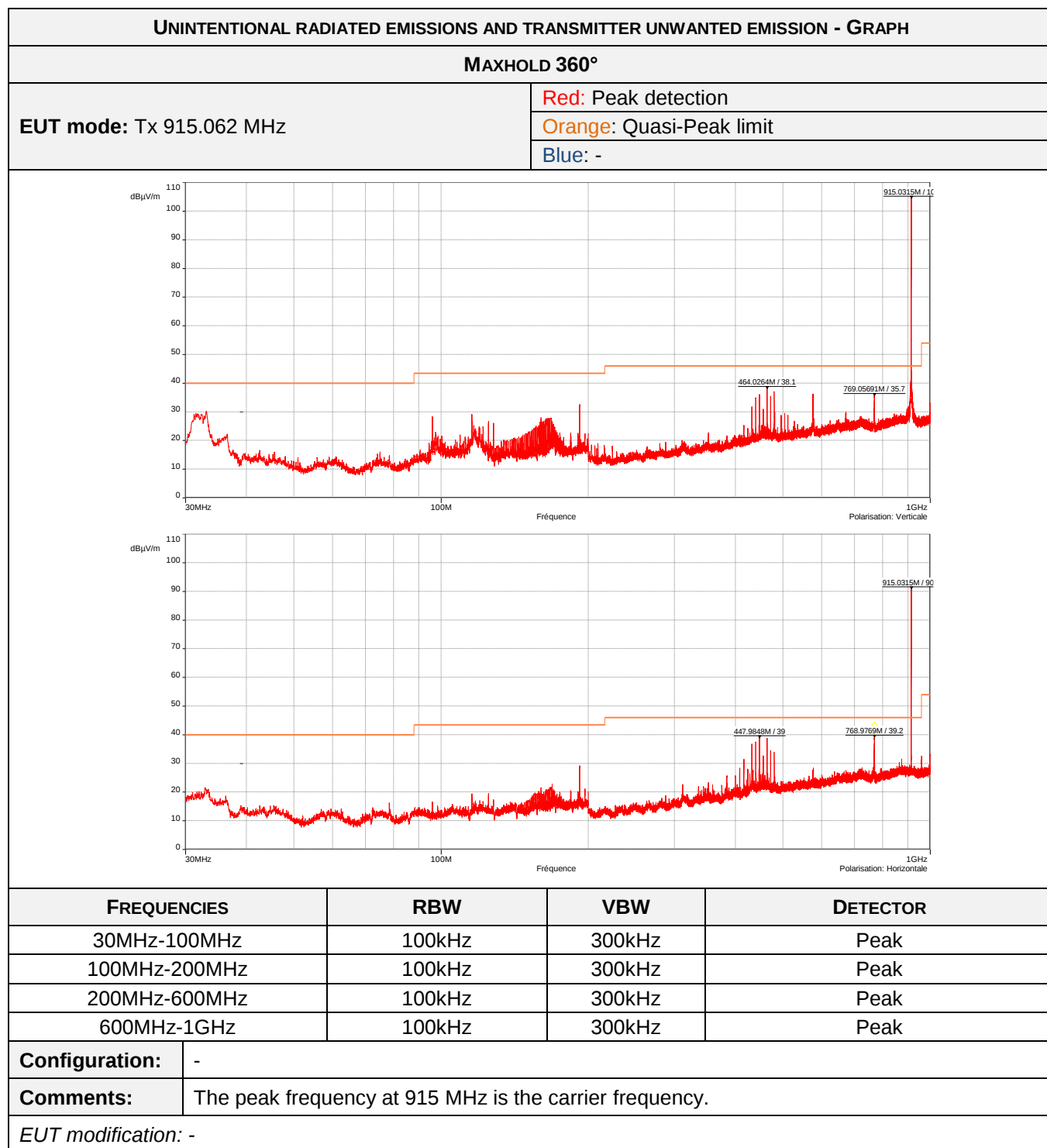
1 GHz – 10 GHz





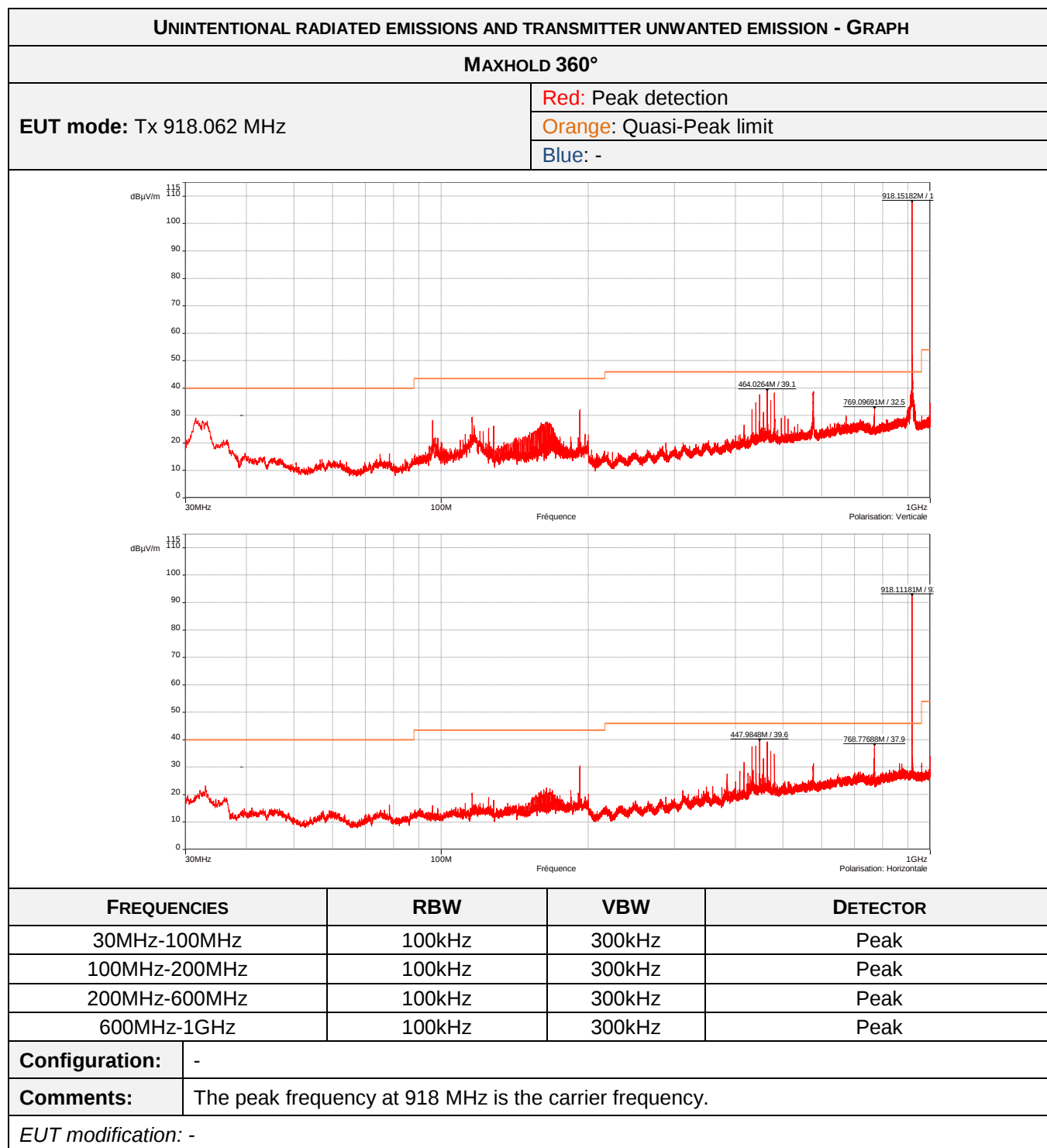






Frequency (GHz)	Height (cm)	Polarization (H or V)	Azimuth (°)	Electro-magnetic field (dBμV/m)	Limit (dBμV/m)	Margin (dB)
448.000	200	H	240	40.9	46.0	5.0
768.952	110	H	290	41.0	46.0	5.0

H : Horizontal – V : Vertical

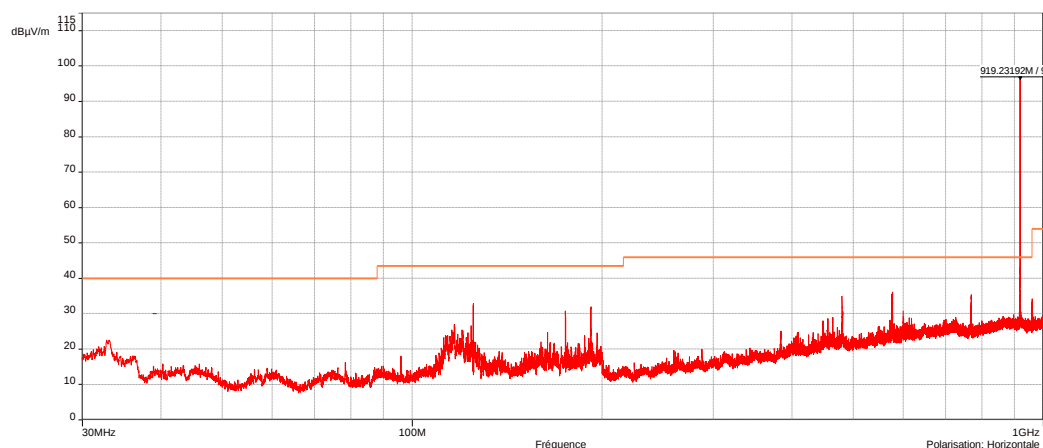
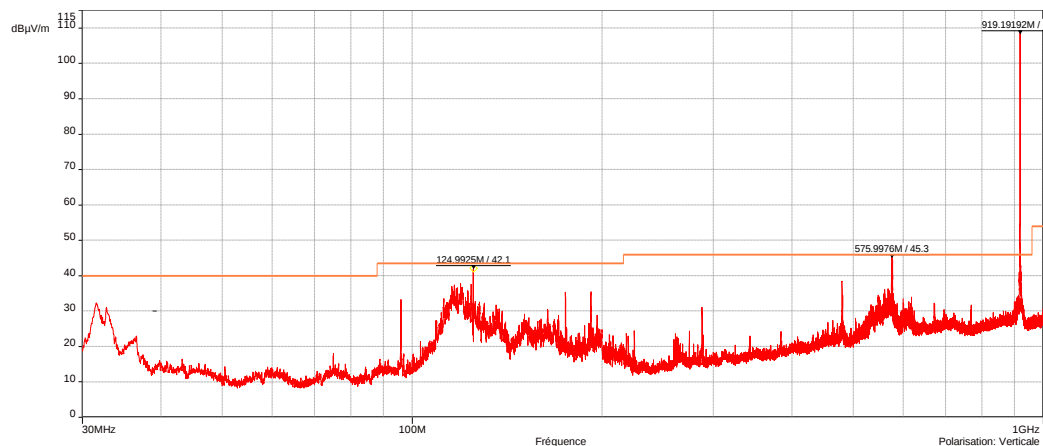


Frequency (GHz)	Height (cm)	Polarization (H or V)	Azimuth (°)	Electro-magnetic field (dBμV/m)	Limit (dBμV/m)	Margin (dB)
448.000	200	H	240	40.9	46.0	5.0
768.952	100	H	290	41.0	46.0	5.0

H : Horizontal – V : Vertical

UNINTENTIONAL RADIATED EMISSIONS AND TRANSMITTER UNWANTED EMISSION - GRAPH
MAXHOLD 360°
EUT mode: Tx 919.187 MHz
Red: Peak detection

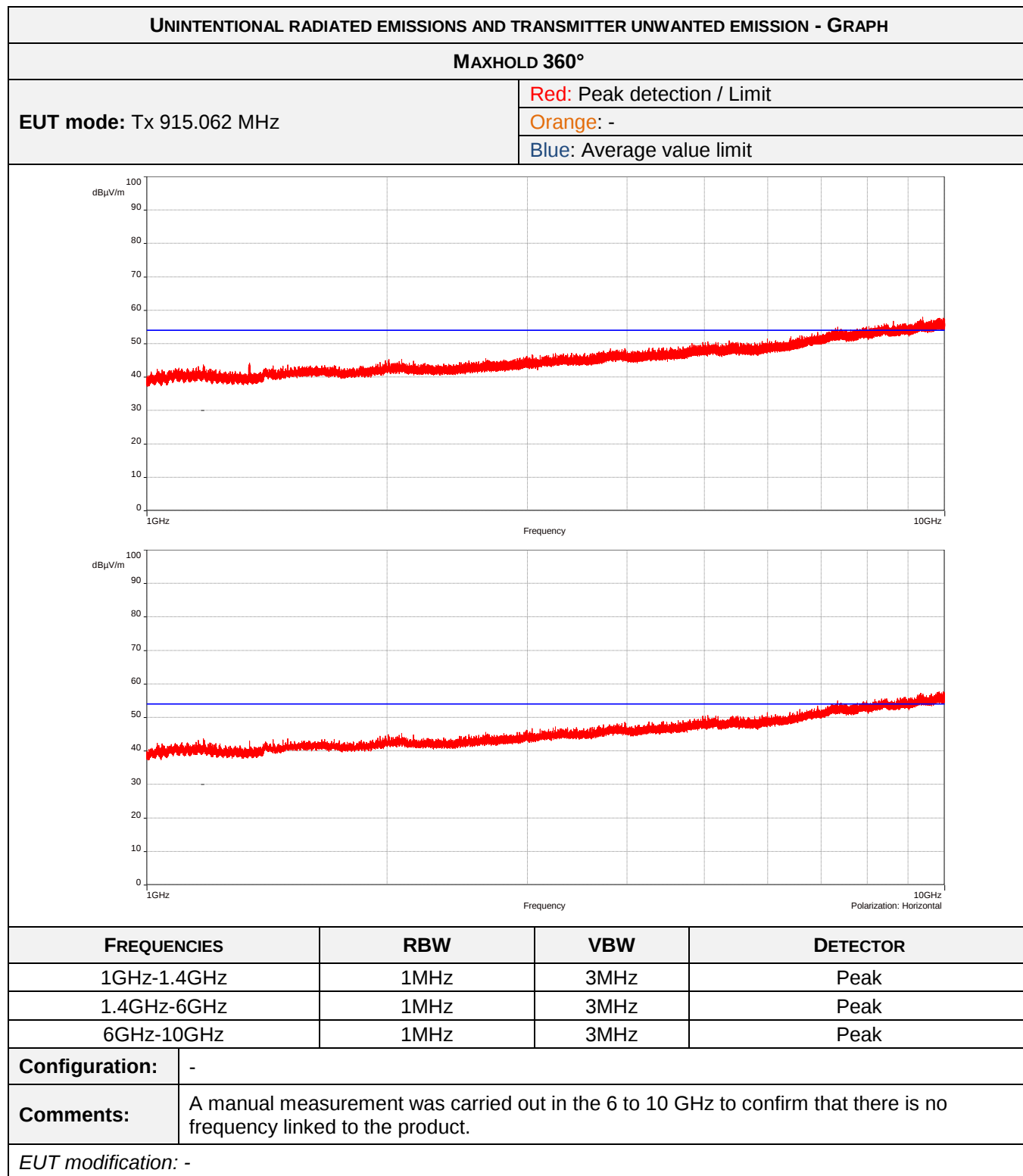
Orange: Quasi-Peak limit

Blue: -


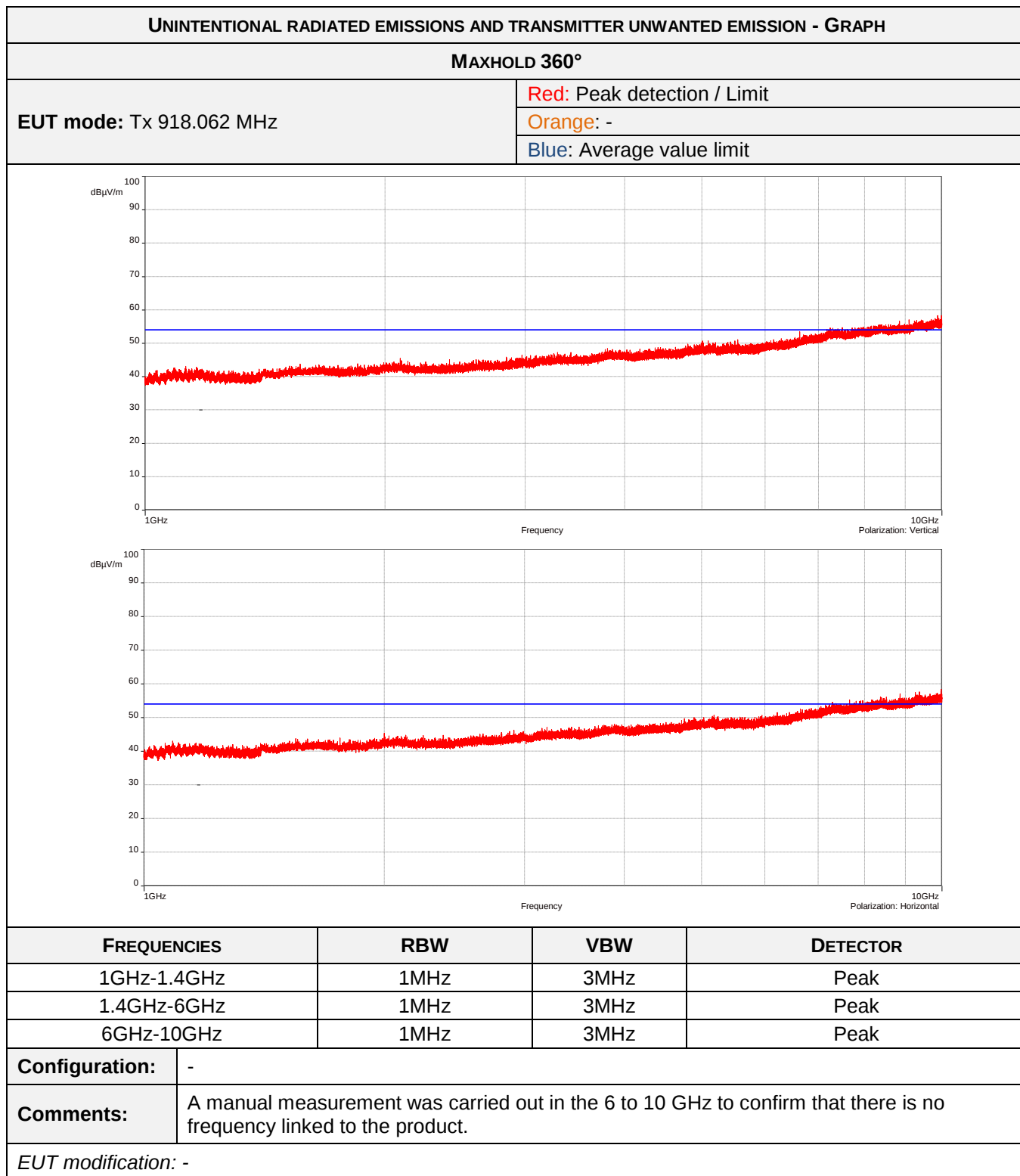
FREQUENCIES	RBW	VBW	DETECTOR
30MHz-100MHz	100kHz	300kHz	Peak
100MHz-200MHz	100kHz	300kHz	Peak
200MHz-600MHz	100kHz	300kHz	Peak
600MHz-1GHz	100kHz	300kHz	Peak
Configuration:	-		
Comments:	The peak frequency at 919 MHz is the carrier frequency.		
EUT modification: -			

Frequency (GHz)	Height (cm)	Polarization (H or V)	Azimuth (°)	Electro-magnetic field (dBμV/m)	Limit (dBμV/m)	Margin (dB)
124.993	100	V	130	42.1	43.5	1.4
576.000	100	V	350	41.8	46.0	4.2

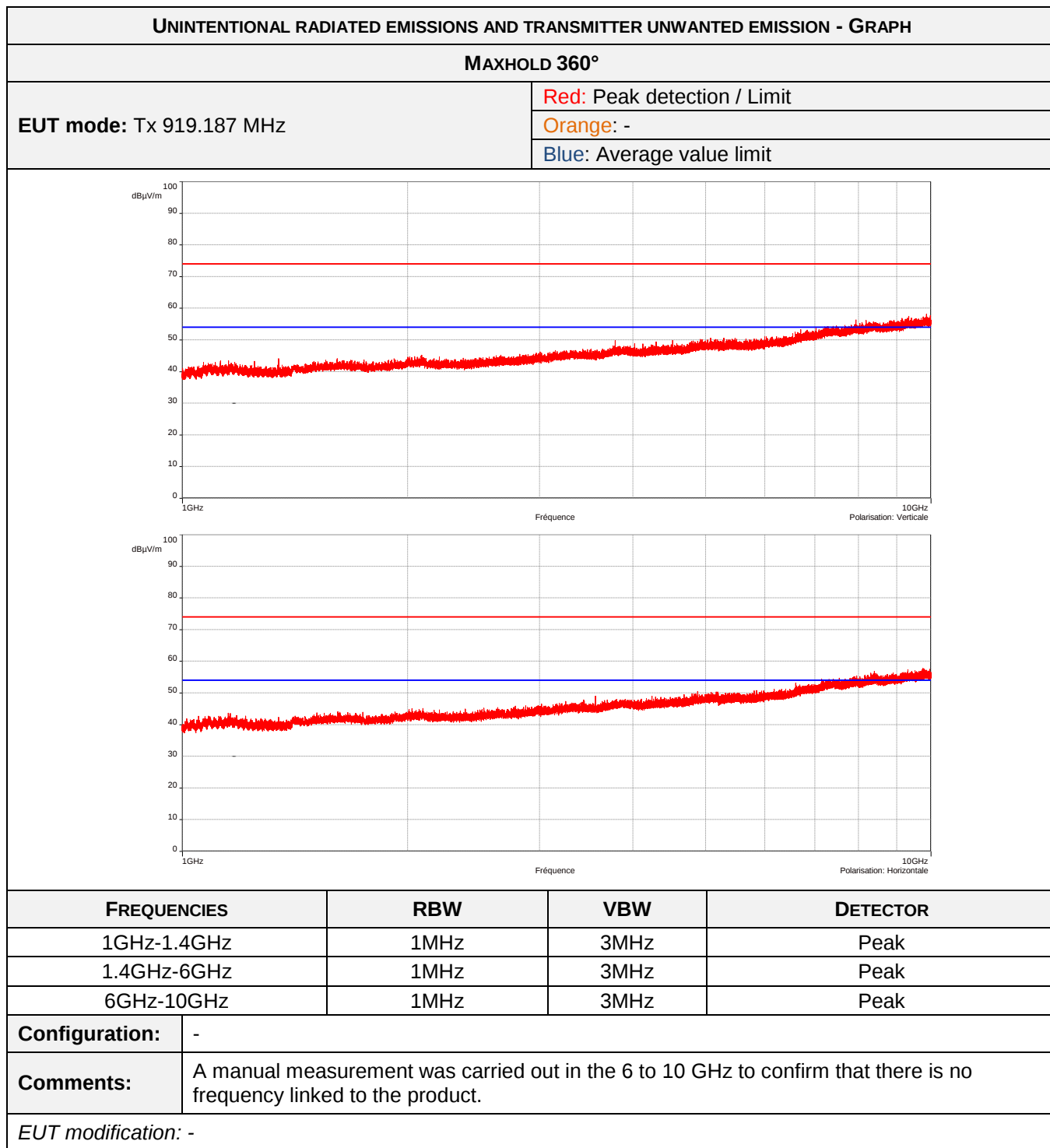
H : Horizontal – V : Vertical



No significant frequencies were found above the measurement noise between 1 GHz and 10 GHz.



No significant frequencies were found above the measurement noise between 1 GHz and 10 GHz.



No significant frequencies were found above the measurement noise between 1 GHz and 10 GHz.

6.10. Unintentional radiated emissions in the band 30 MHz – 5 GHz

Reference standard:	FCC 47 CFR PART 15 : 2023 RSS-Gen_Issue 5 : 2018 / AMD1: 2019 / AMD2: 2021
Test method:	§ 15.109 of FCC 47 CFR PART 15 : 2023 § 6.13 of RSS-Gen_Issue 5 : 2018 / AMD1: 2019 / AMD2: 2021
General test setup: E.U.T. is set on an insulating support at 0.8 m (<1GHz) and 1.5 m (>1GHz) above the ground reference plane. For maximum meter reading at each frequency, the antenna height is adjusted between 1 m and 4 m above the ground plane for 30 MHz - 5 GHz. A 360 degrees rotation of the EUT is performed in vertical and horizontal polarization.	

TESTED CONFIGURATION	PARAMETER	VERDICT
Maxhold 360° - Radio OFF	30MHz-1GHz	PASS
Maxhold 360° - RADIO OFF	1GHz-5GHz	PASS

LABORATORY PARAMETERS:	REQUIRED PRIOR TO THE TEST	DURING THE TEST
Ambient Temperature	10 to 40 °C	23°C
Relative Humidity	10 to 90 %	37%
Atmospheric pressure	N/A	N/A
Test method deviation: No		
Supplementary information: The radio part is non-functional during the charging.		

TEST EQUIPMENT USED					
CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Amplifier	Mini-Circuit	ZFL-1000LN	00364	15/02/2023	15/04/2024
Amplifier	Agilent	8449B	14487	12/09/2023	12/11/2024
Antenna	Rohde & Schwarz	HL223	00294	05/05/2023	05/07/2026
Antenna	Rohde & Schwarz	HK116	00293	30/09/2021	30/11/2024
Antenna	Emco	3115	00941	01/03/2022	01/05/2025
Cable	C&C	N-5M	11184	22/06/2023	22/08/2024
Cable	C&C	N-4M	14226	26/06/2023	26/08/2024
Cable	Câbles Et Connectiques	N-2M	02451	29/08/2022	29/10/2024
Cable	Huber + Suhner	N-6M	17269	29/08/2022	29/10/2024
Receiver	Rohde & Schwarz	ESIB26	06089	15/11/2022	15/01/2025
Receiver	Rohde & Schwarz	ESW44	17058	15/06/2023	15/08/2024
Shielded enclosure	Comtest	SAC 3M	14622	27/04/2022	27/06/2025
Software	Nexio	BAT EMC	00000		

BAT-EMC software version: V3.18.0.26
Blank cells = Permanent validity

TEST SETUP PHOTOS
30 MHz – 1 GHz



TEST SETUP PHOTOS
30 MHz – 1 GHz



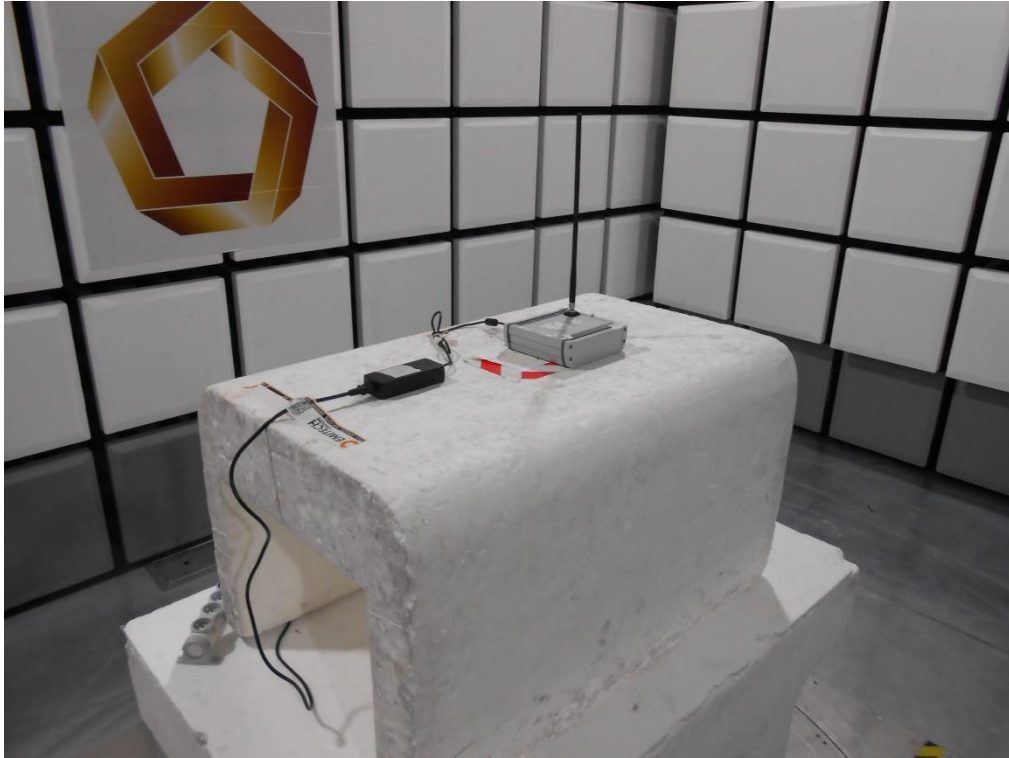
TEST SETUP PHOTOS
30 MHz – 1 GHz

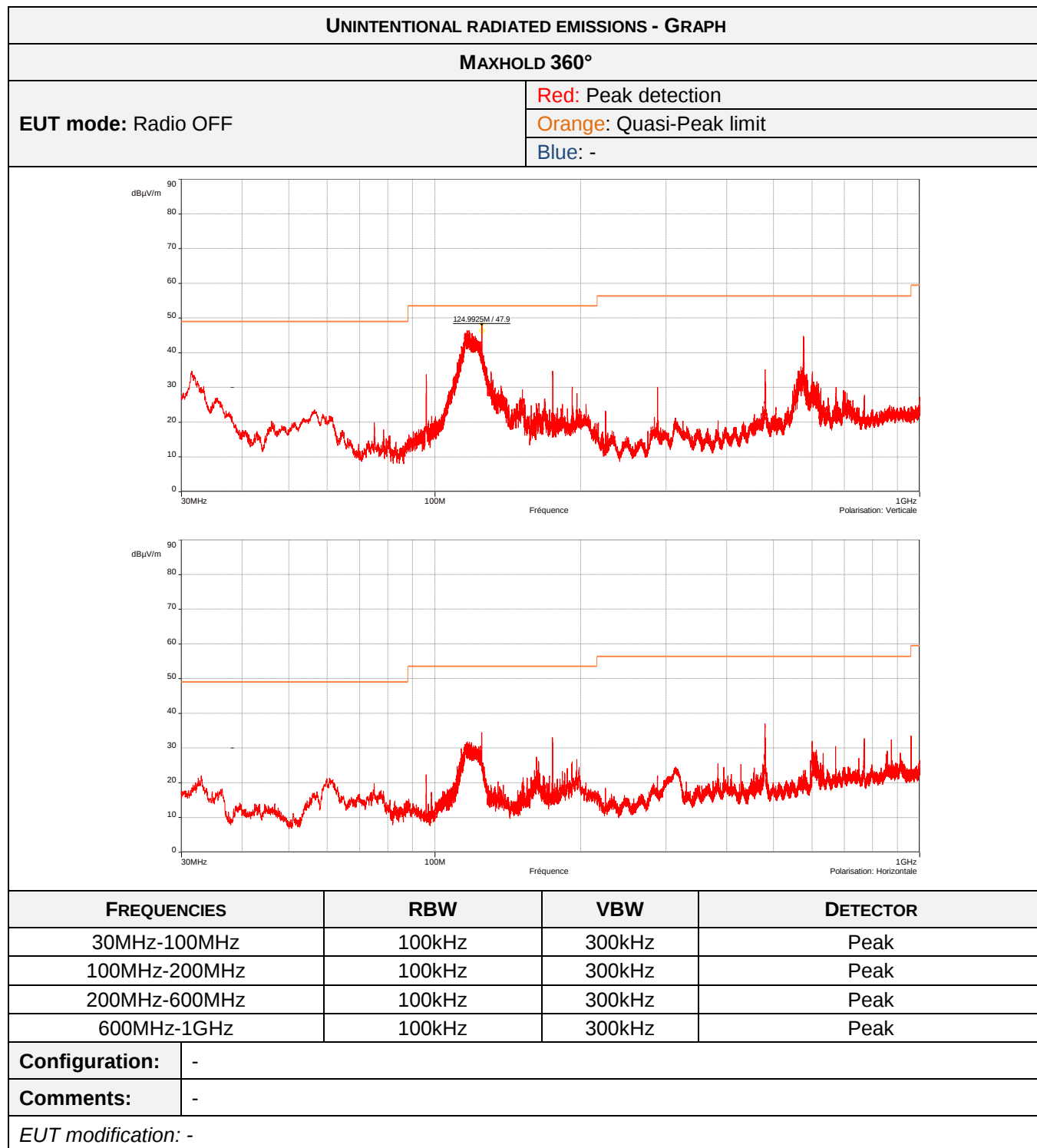


TEST SETUP PHOTOS
1 GHz – 5 GHz



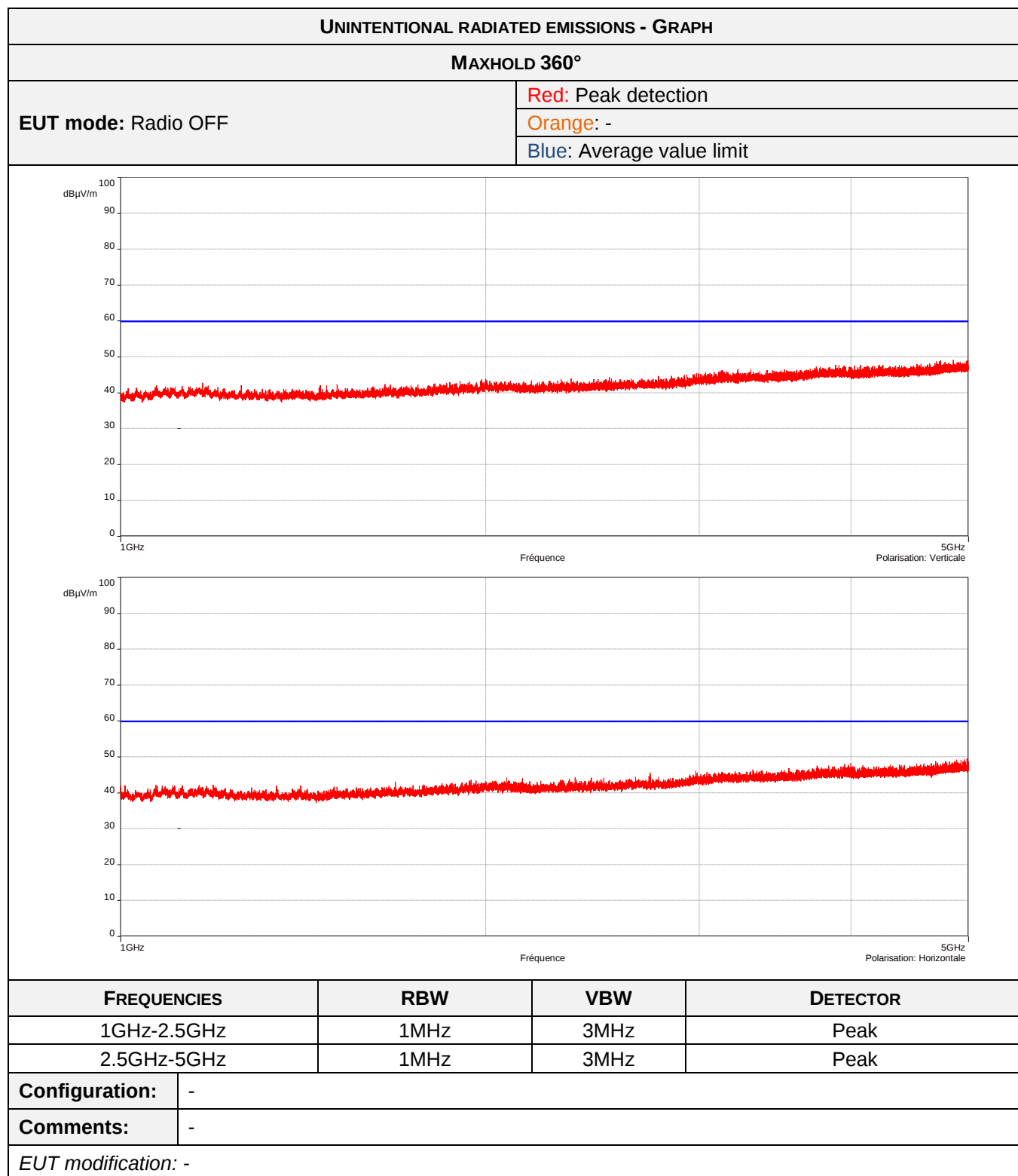
TEST SETUP PHOTOS
1 GHz – 5 GHz





Frequency (GHz)	Height (cm)	Polarization (H or V)	Azimuth (°)	Electro-magnetic field (dBμV/m)	Limit (dBμV/m)	Margin (dB)
124.995	100	V	180	46.4	53.5	7.1

H : Horizontal – V : Vertical



No significant frequencies were found above the measurement noise between 1 GHz and 5 GHz.

End of test report