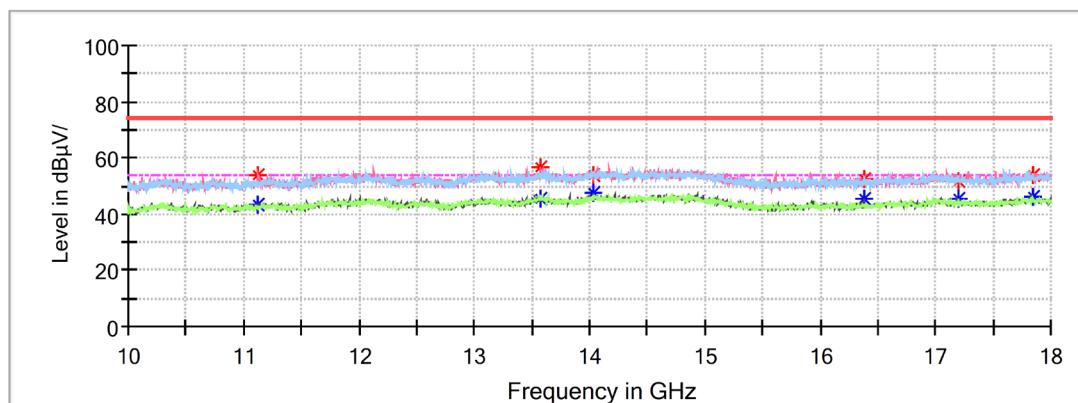


High Channel: 2480 MHz**Common Information**

Project No.: RKSB251230001
 EUT Model: 3RSB01085Z
 Test Mode: Transmitting in ZigBee High Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.0℃
 Humidity: 50%
 Atmospheric Pressure: 101.8kPa
 Test Engineer: Destine Hu
 Check by: Bard Liu
 Test Date: 2026/2/27

Full Spectrum

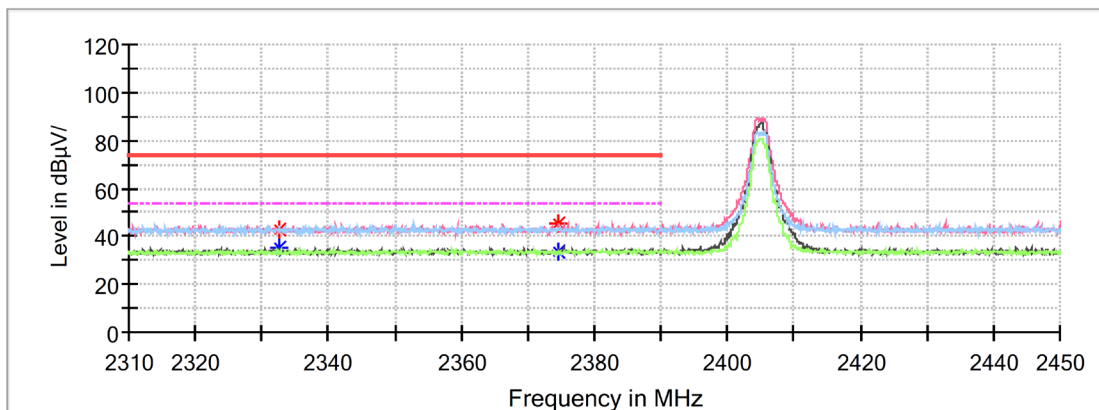
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
11131.200000	---	43.55	54.00	10.45	V	7.0
11131.200000	53.92	---	74.00	20.08	V	7.0
13579.200000	---	45.65	54.00	8.35	V	10.2
13579.200000	56.41	---	74.00	17.59	V	10.2
14028.800000	---	47.22	54.00	6.78	V	11.1
14028.800000	54.00	---	74.00	20.00	V	11.1
16376.000000	52.45	---	74.00	21.55	H	9.0
16376.000000	---	45.30	54.00	8.70	H	9.0
17196.800000	52.04	---	74.00	21.96	H	10.7
17196.800000	---	45.63	54.00	8.37	H	10.7
17848.000000	54.09	---	74.00	19.91	V	11.4
17848.000000	---	45.86	54.00	8.14	V	11.4

Restricted Bands Emission:**Left Side****Common Information**

Project No.: RKSB251230001
EUT Model: 3RSB01085Z
Test Mode: Transmitting in ZigBee Low Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 16.0°C
Humidity: 50%
Atmospheric Pressure: 101.8kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/2/27

Full Spectrum

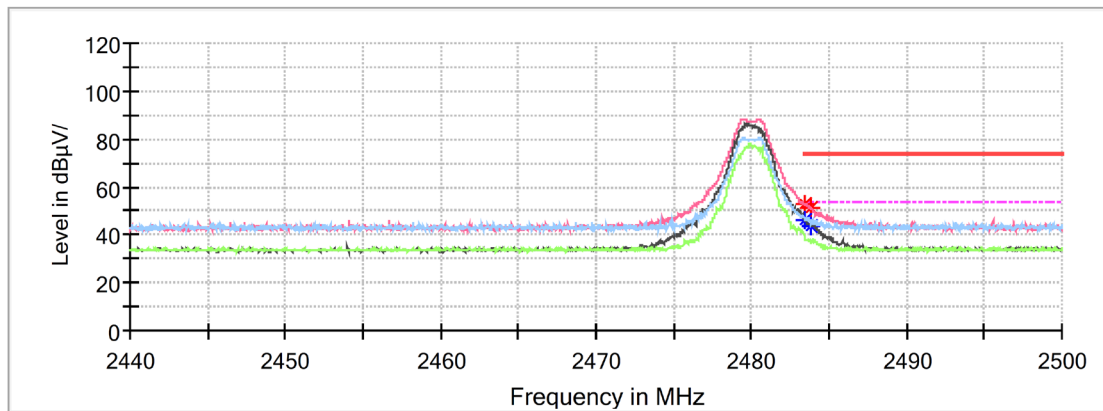
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2332.680000	42.54	---	74.00	31.46	H	0.3
2332.680000	---	34.89	54.00	19.11	H	0.3
2374.512000	45.59	---	74.00	28.41	V	0.4
2374.512000	---	33.52	54.00	20.48	V	0.4

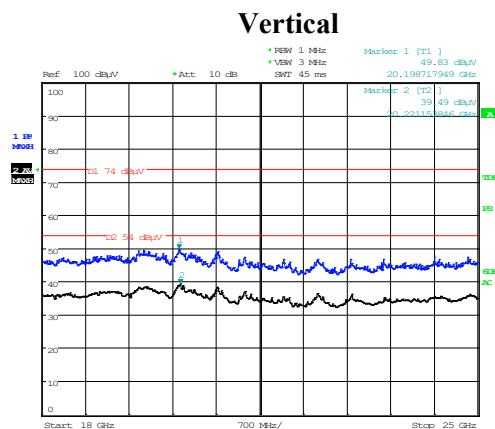
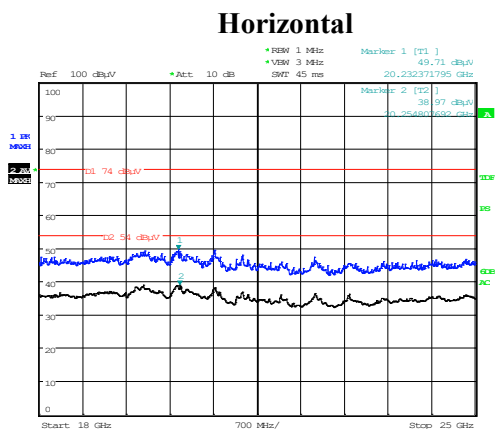
Right Side**Common Information**

Project No.: RKSB251230001
EUT Model: 3RSB01085Z
Test Mode: Transmitting in ZigBee High Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 16.0°C
Humidity: 50%
Atmospheric Pressure: 101.8kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/2/27

Full Spectrum

**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2483.512000	52.60	---	74.00	21.40	V	0.5
2483.512000	---	45.75	54.00	8.25	V	0.5
2483.896000	---	43.61	54.00	10.39	V	0.5
2483.896000	51.23	---	74.00	22.77	V	0.5

18 GHz - 25 GHz (Transmitting in maximum output power Low channel):

Project No.: RKS251230001 Tester: Rugh Wu
Date: 27.FEB.2026 16:08:35

Project No.: RKS251230001 Tester: Rugh Wu
Date: 27.FEB.2026 16:39:48

Frequency (GHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
20.22	---	39.49	54	14.51	V	12.48
20.20	49.83	---	74	24.17	V	12.46
20.25	---	38.97	54	15.03	H	12.51
20.23	49.71	---	74	24.29	H	12.49

Note: The test distance is 3m. The limit is 74dBμV/m(Peak) and 54dBμV/m(Average).

6 dB EMISSION BANDWIDTH**Environmental Conditions & Test Information**

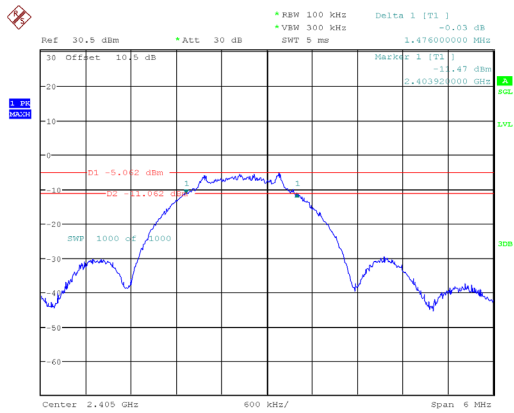
Test Date:	2026-03-12
Temperature:	17.5 °C
Relative Humidity:	41 %
ATM Pressure:	103.5 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

EUT operation mode: Transmitting

Test Result: Compliant.

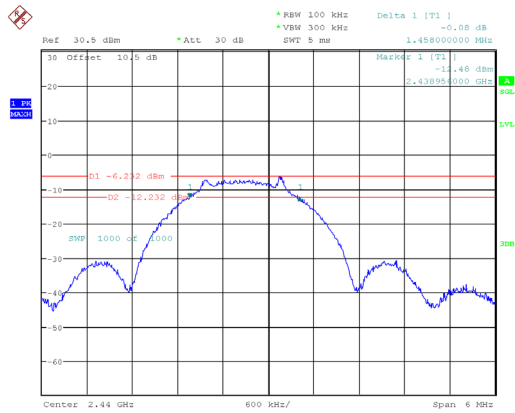
Mode	Channel	Frequency (MHz)	6 dB Emission Bandwidth (MHz)	Limit (MHz)
Zigbee	Low	2405	1.476	≥0.5
	Middle	2440	1.458	≥0.5
	High	2480	1.470	≥0.5

Low Channel



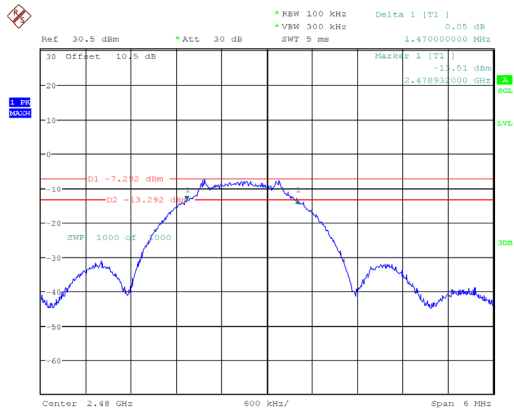
ProjectNo.:RKSB251230001 Tester:Neil Zhou
Date: 12.MAR.2026 10:03:37

Middle Channel



ProjectNo.:RKSB251230001 Tester:Neil Zhou
Date: 12.MAR.2026 10:14:14

High Channel



ProjectNo.:RKSB251230001 Tester:Neil Zhou
Date: 12.MAR.2026 10:21:48

MAXIMUM CONDUCTED OUTPUT POWER**Environmental Conditions & Test Information**

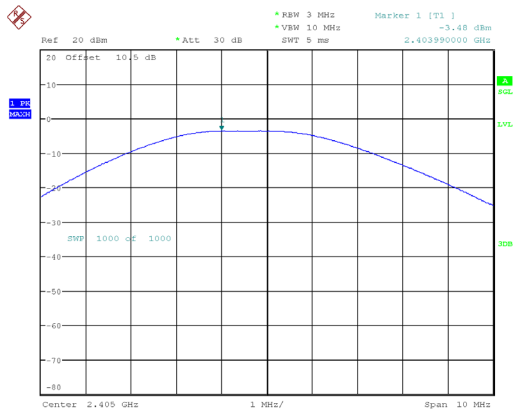
Test Date:	2026-03-12
Temperature:	17.5 °C
Relative Humidity:	41 %
ATM Pressure:	103.5 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant.

EUT operation mode: Transmitting

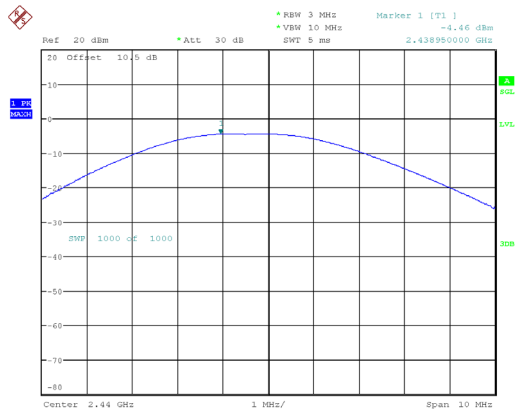
Mode	Frequency (MHz)	Max Conducted Peak Output Power (dBm)	Limit (dBm)	Result
Zigbee	2405	-3.48	30	Pass
	2440	-4.46	30	Pass
	2480	-5.40	30	Pass

2405 MHz



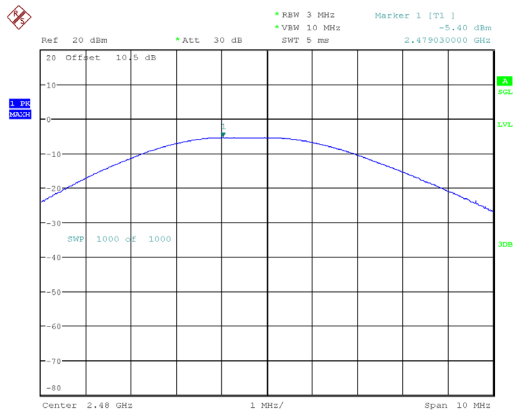
ProjectNo.:RKSB251230001 Tester:Neil Zhou
Date: 12.MAR.2026 10:04:36

2440 MHz



ProjectNo.:RKSB251230001 Tester:Neil Zhou
Date: 12.MAR.2026 10:14:50

2480 MHz



ProjectNo.:RKSB251230001 Tester:Neil Zhou
Date: 12.MAR.2026 10:22:24

BAND EDGE

Environmental Conditions & Test Information

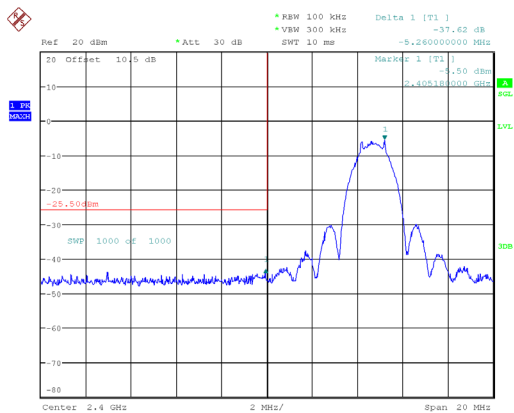
Test Date:	2026-03-12
Temperature:	17.5 °C
Relative Humidity:	41 %
ATM Pressure:	103.5 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant.

EUT operation mode: Transmitting

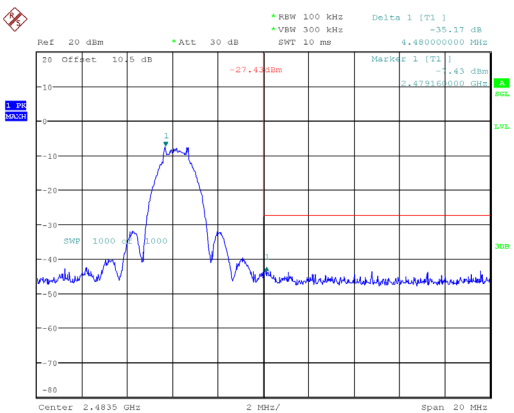
Mode	Frequency (MHz)	Result (dBc)	Limit (dBc)
Zigbee	2405	37.62	20
	2480	35.17	

Left Side-2405MHz



ProjectNo.:RKSB251230001 Tester:Neil Zhou
Date: 12.MAR.2026 10:05:35

Right Side-2480MHz



ProjectNo.:RKSB251230001 Tester:Neil Zhou
Date: 12.MAR.2026 10:23:23

POWER SPECTRAL DENSITY

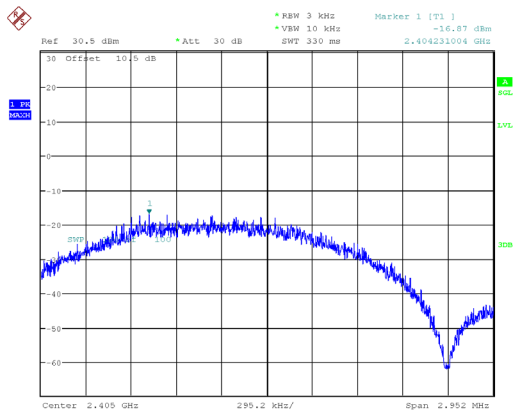
Environmental Conditions & Test Information

Test Date:	2026-03-12
Temperature:	17.5 °C
Relative Humidity:	41 %
ATM Pressure:	103.5 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant.
EUT operation mode: Transmitting

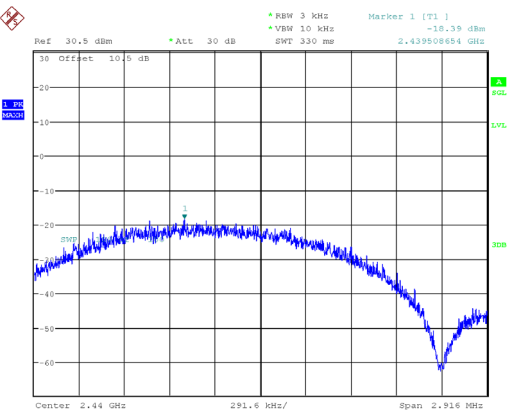
Mode	Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)
Zigbee	Low	2405	-16.87	≤8
	Middle	2440	-18.39	≤8
	High	2480	-18.95	≤8

Low Channel

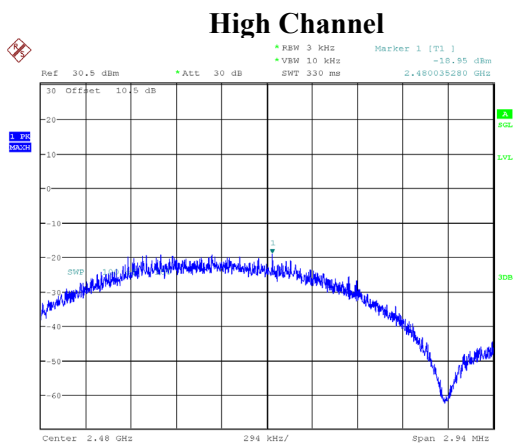


ProjectNo.:RKSB251230001 Tester:Neil Zhou
Date: 12.MAR.2026 10:08:00

Middle Channel



ProjectNo.:RKSB251230001 Tester:Neil Zhou
Date: 12.MAR.2026 10:15:32



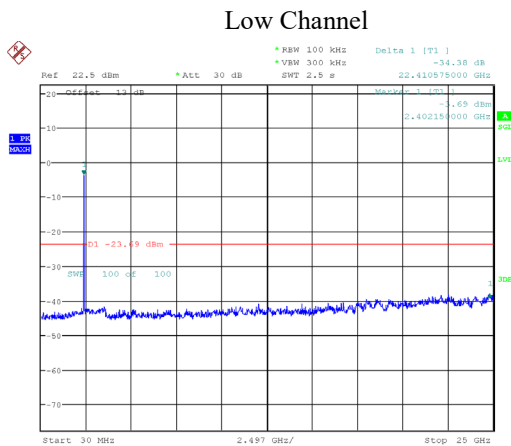
ProjectNo.:RKSB251230001 Tester:Neil Zhou
Date: 12.MAR.2026 10:24:06

CONDUCTED SPURIOUS EMISSION

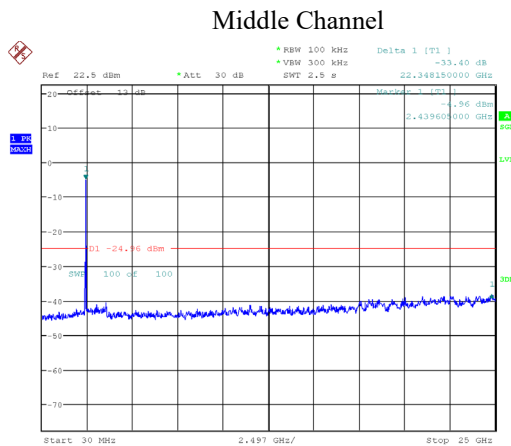
Environmental Conditions & Test Information

Test Date:	2026-03-12
Temperature:	17.5 °C
Relative Humidity:	41 %
ATM Pressure:	103.5 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

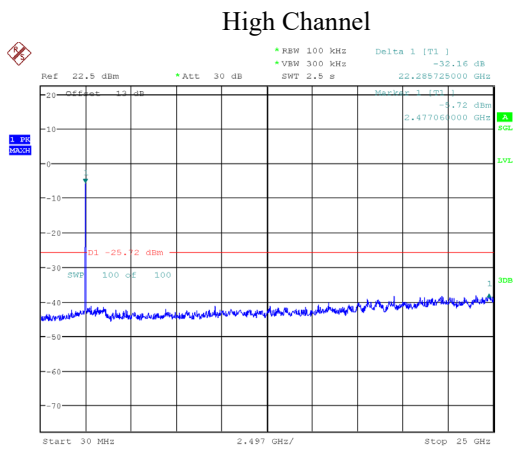
Channel	Result (dB)	Limit (dB)	Verdict
Low	34.38	20	Pass
Middle	33.40	20	Pass
High	32.16	20	Pass



ProjectNo.:RKSB251230001 Tester:Neil Zhou
Date: 12.MAR.2026 10:12:41



ProjectNo.:RKSB251230001 Tester:Neil Zhou
Date: 12.MAR.2026 10:20:13



ProjectNo.:RKSB251230001 Tester:Neil Zhou
Date: 12.MAR.2026 10:28:47

EUT PHOTOGRAPHS

Please refer to the attachment EXHIBIT A - EUT EXTERNAL and EXHIBIT B - EUT INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment EXHIBIT C - TEST SETUP PHOTOGRAPHS.

Declarations

1. The laboratory is not responsible for the authenticity of any information provided by the applicant. Information from the applicant that may affect test results is marked with “★”.
2. The test data was only valid for the test sample(s).
3. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.
4. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
5. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor $k=2$ with the 95.45% confidence interval.

******* END OF REPORT *******