



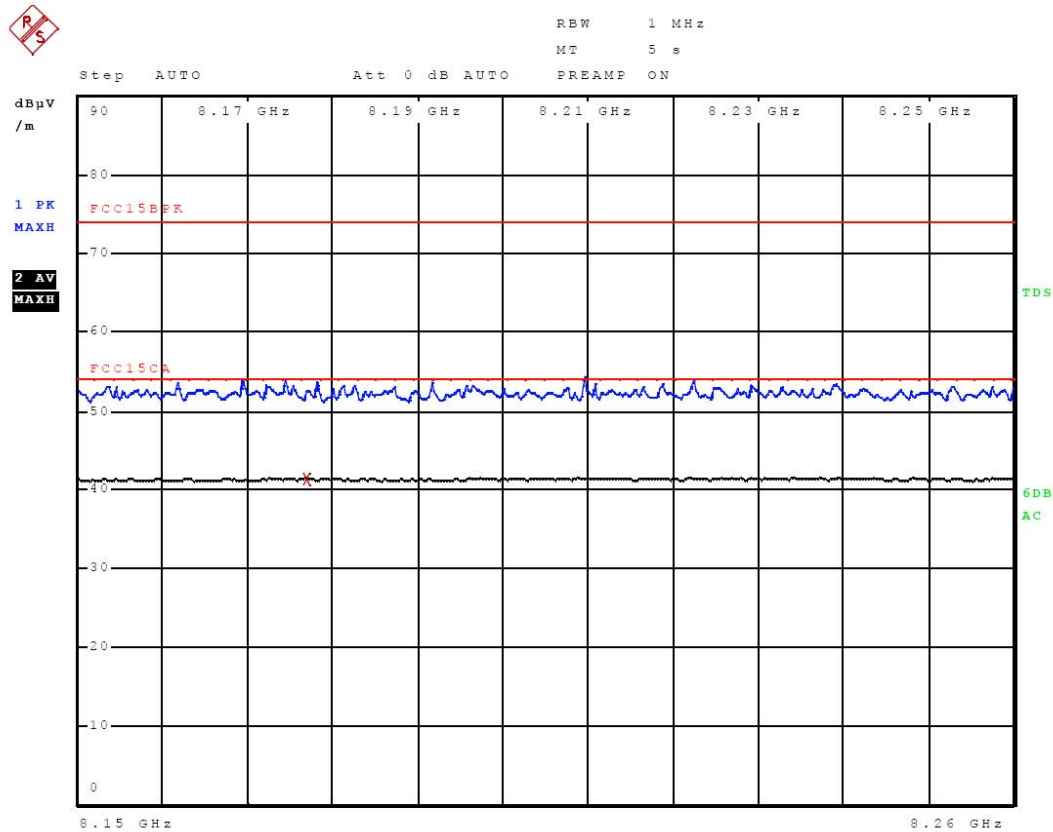
13.Jan 17 16:20

**Meas Type** RADIATED EMISSION  
**Equipment under Test** WSD 011-2  
**Manufacturer** NAVIS ELEKTRONIKA D.O.O.  
**OP Condition** Hopping mode  
**Operator** Andrej Skof  
**Test Spec**  
 HORIZONTAL 150 cm, 0 deg

**Stepped Scan (1 Range)**

Scan Start: 8.15 GHz  
 Scan Stop: 8.26 GHz  
 Detector: Trace 1: MAX PEAK Trace 2: Average  
 Transducer: RE-18GHz

Start Frequency	Stop Frequency	Step Size	Res BW	Meas Time	RF Atten	Preamp	Input
8.150000 GHz	8.260000 GHz	400.00 kHz	1.00 MHz	1 ms	Auto	35 dB	INPUT1





13.Jan 17 16:20

**Meas Type** RADIATED EMISSION  
**Equipment under Test** WSD 011-2  
**Manufacturer** NAVIS ELEKTRONIKA D.O.O.  
**OP Condition** Hopping mode  
**Operator** Andrej Skof  
**Test Spec**  
HORIZONTAL 150 cm, 0 deg

**Final Measurement**

Meas Time: 5 s  
Margin: 15 dB  
Peaks: 1

Trace	Frequency	Level (dB $\mu$ V/m)	Detector	Delta Limit/dB
2	8.176800000 GHz	41.23	CISPR Averag	-12.77



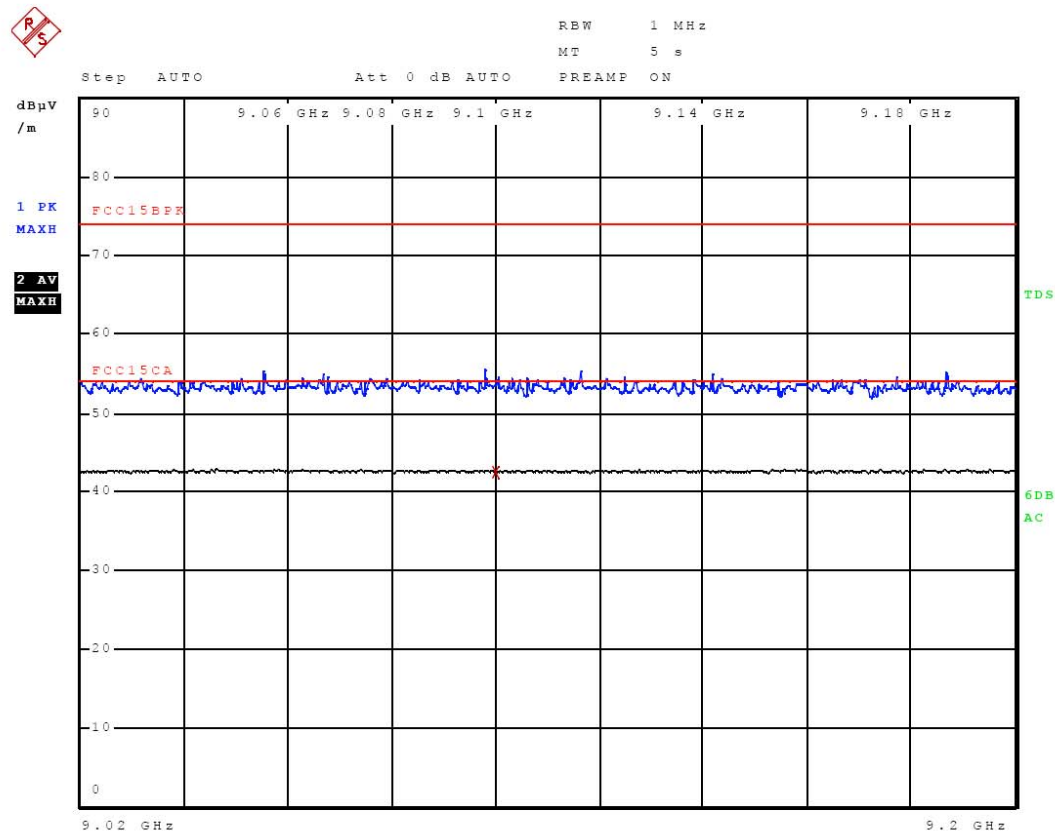
13.Jan 17 16:23

**Meas Type** RADIATED EMISSION  
**Equipment under Test** WSD 011-2  
**Manufacturer** NAVIS ELEKTRONIKA D.O.O.  
**OP Condition** Hopping mode  
**Operator** Andrej Skof  
**Test Spec**  
 VERTICAL 150 cm, 0 deg

**Stepped Scan (1 Range)**

Scan Start: 9.02 GHz  
 Scan Stop: 9.2 GHz  
 Detector: Trace 1: MAX PEAK Trace 2: Average  
 Transducer: RE-18GHz

Start Frequency	Stop Frequency	Step Size	Res BW	Meas Time	RF Atten	Preamp	Input
9.020000 GHz	9.200000 GHz	400.00 kHz	1.00 MHz	1 ms	Auto	35 dB	INPUT1





13.Jan 17 16:23

**Meas Type** RADIATED EMISSION  
**Equipment under Test** WSD 011-2  
**Manufacturer** NAVIS ELEKTRONIKA D.O.O.  
**OP Condition** Hopping mode  
**Operator** Andrej Skof  
**Test Spec**  
VERTICAL 150 cm, 0 deg

**Final Measurement**

Meas Time: 5 s  
Margin: 15 dB  
Peaks: 1

Trace	Frequency	Level (dB $\mu$ V/m)	Detector	Delta Limit/dB
2	9.100000000 GHz	42.50	CISPR Averag	-11.50



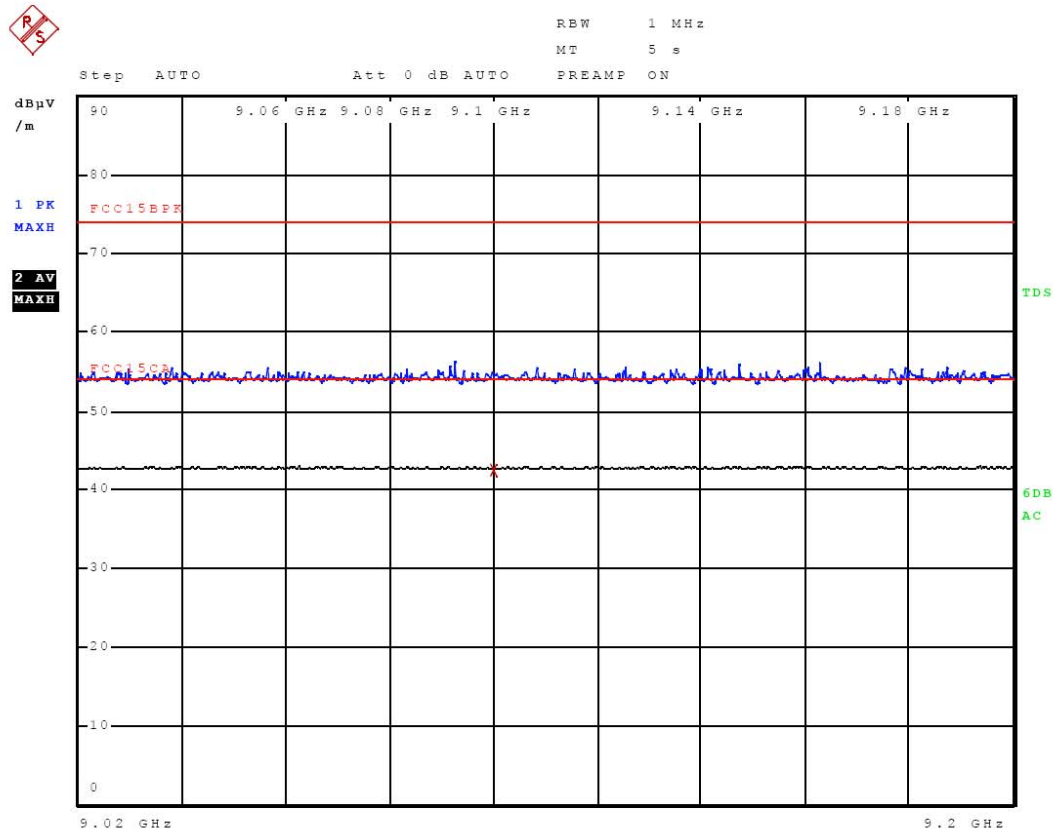
13.Jan 17 16:20

**Meas Type** RADIATED EMISSION  
**Equipment under Test** WSD 011-2  
**Manufacturer** NAVIS ELEKTRONIKA D.O.O.  
**OP Condition** Hopping mode  
**Operator** Andrej Skof  
**Test Spec**  
 HORIZONTAL 150 cm, 0 deg

**Stepped Scan (1 Range)**

Scan Start: 9.02 GHz  
 Scan Stop: 9.2 GHz  
 Detector: Trace 1: MAX PEAK Trace 2: Average  
 Transducer: RE-18GHz

Start Frequency	Stop Frequency	Step Size	Res BW	Meas Time	RF Atten	Preamp	Input
9.020000 GHz	9.200000 GHz	400.00 kHz	1.00 MHz	1 ms	Auto	35 dB	INPUT1





13.Jan 17 16:20

**Meas Type** RADIATED EMISSION  
**Equipment under Test** WSD 011-2  
**Manufacturer** NAVIS ELEKTRONIKA D.O.O.  
**OP Condition** Hopping mode  
**Operator** Andrej Skof  
**Test Spec**  
HORIZONTAL 150 cm, 0 deg

**Final Measurement**

Meas Time: 5 s  
Margin: 15 dB  
Peaks: 1

Trace	Frequency	Level (dB $\mu$ V/m)	Detector	Delta Limit/dB
2	9.100000000 GHz	42.48	CISPR Averag	-11.52



Radiated Emission - Band Edge

**C20170001**

11.Apr 17 14:06

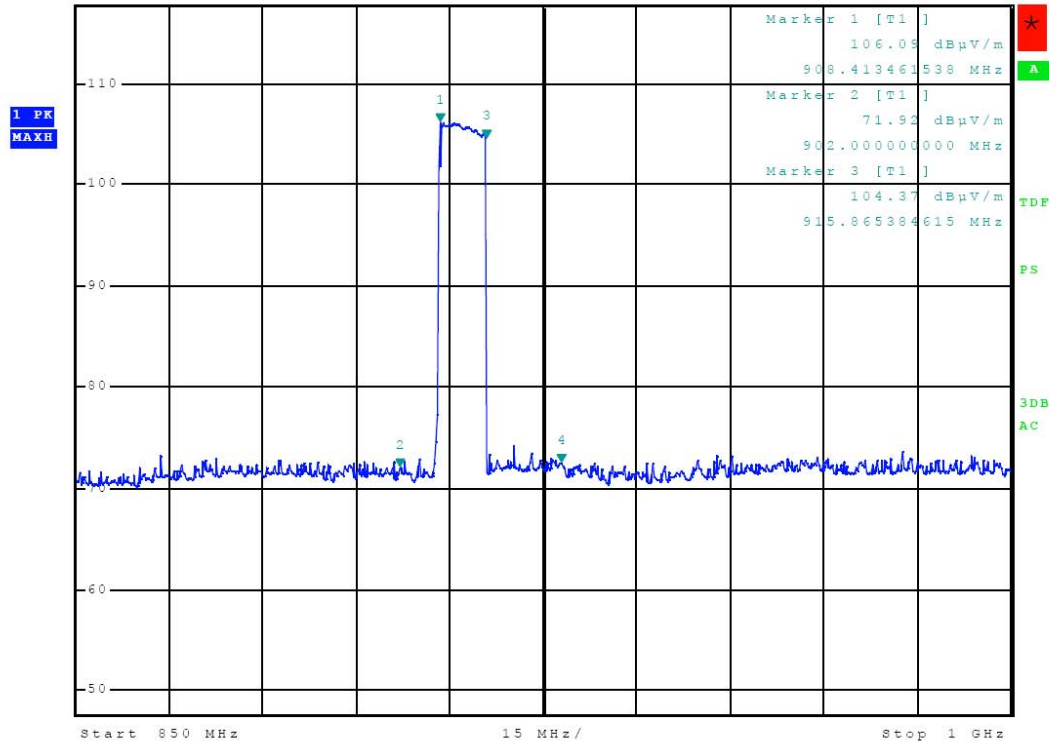
Meas Type RADIATED EMISSION, BAND EDGE  
 Equipment under Test WSD 011-2  
 Manufacturer NAVIS ELEKTRONIKA D.O.O.  
 OP Condition Hopping ON  
 Operator Andrej Skof  
 Test Spec  
 VERTICAL 100 cm, 0 deg

**Sweep Settings Screen A**

Center Frequency	925.000000 MHz	Ref Level	117.600 dBµV/m
Frequency Offset	0.000000 Hz	Ref Level Offset	0.000 dB
Span	150.000000 MHz	Ref Position	100.000 %
Start Frequency	850.000000 MHz	Level Range	70.000 dB
Stop Frequency	1.000000 GHz	RF Att	30.000 dB
RBW	100.000000 kHz	X-Axis	LIN
VBW	300.000000 kHz	Y-Axis	LOG
Sweep Time	15.00 ms		



\* RBW 100 kHz      Marker 4 [T1 ]  
 VBW 300 kHz      72.36 dBµV/m  
 Ref 117.6 dBµV/m      \* Att 30 dB      SWT 15 ms      928.000000000 MHz



**C20170001**

11.Apr 17 14:33

**Meas Type** RADIATED EMISSION, BAND EDGE  
**Equipment under Test** WSD 011-2  
**Manufacturer** NAVIS ELEKTRONIKA D.O.O.  
**OP Condition** Channel 1 (Hopping disabled)  
**Operator** Andrej Skof  
**Test Spec**  
 VERTICAL 100 cm, 0 deg

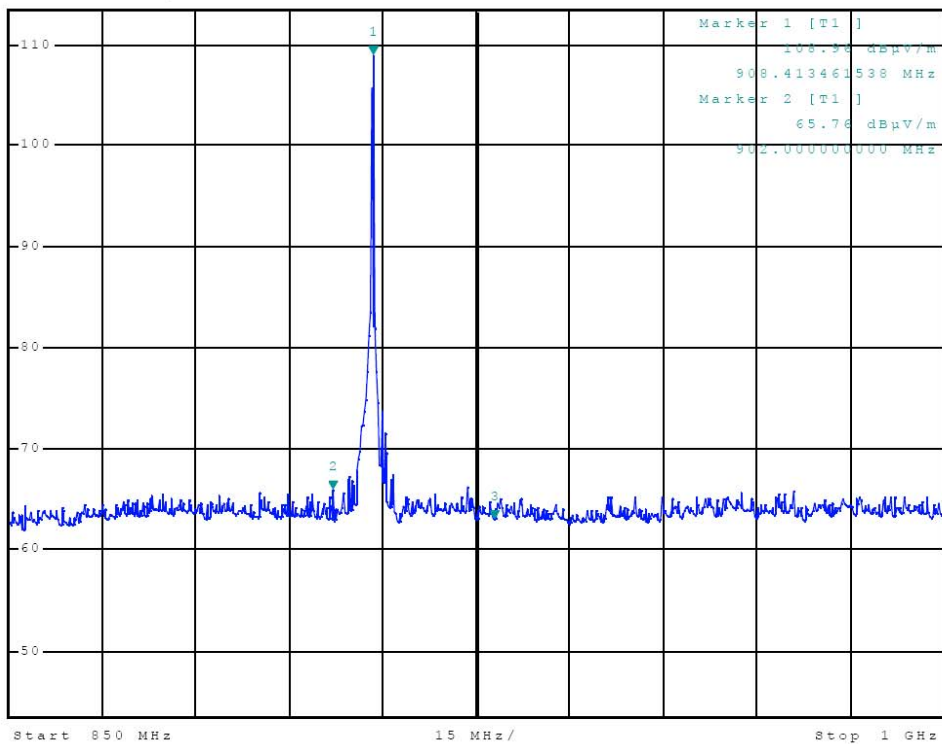
**Sweep Settings Screen A**

Center Frequency	925.000000 MHz	Ref Level	113.400 dB $\mu$ V/m
Frequency Offset	0.000000 Hz	Ref Level Offset	0.000 dB
Span	150.000000 MHz	Ref Position	100.000 %
Start Frequency	850.000000 MHz	Level Range	70.000 dB
Stop Frequency	1.000000 GHz	RF Att	30.000 dB
RBW	100.000000 kHz	X-Axis	LIN
VBW	300.000000 kHz	Y-Axis	LOG
Sweep Time	15.00 ms		



Ref 113.4 dB $\mu$ V/m \* Att 30 dB \* RBW 100 kHz VBW 300 kHz SWT 15 ms Marker 3 [T1] 62.84 dB $\mu$ V/m 928.000000000 MHz

1 PK  
MAXH



TDF  
PA  
PS  
3DB  
AC





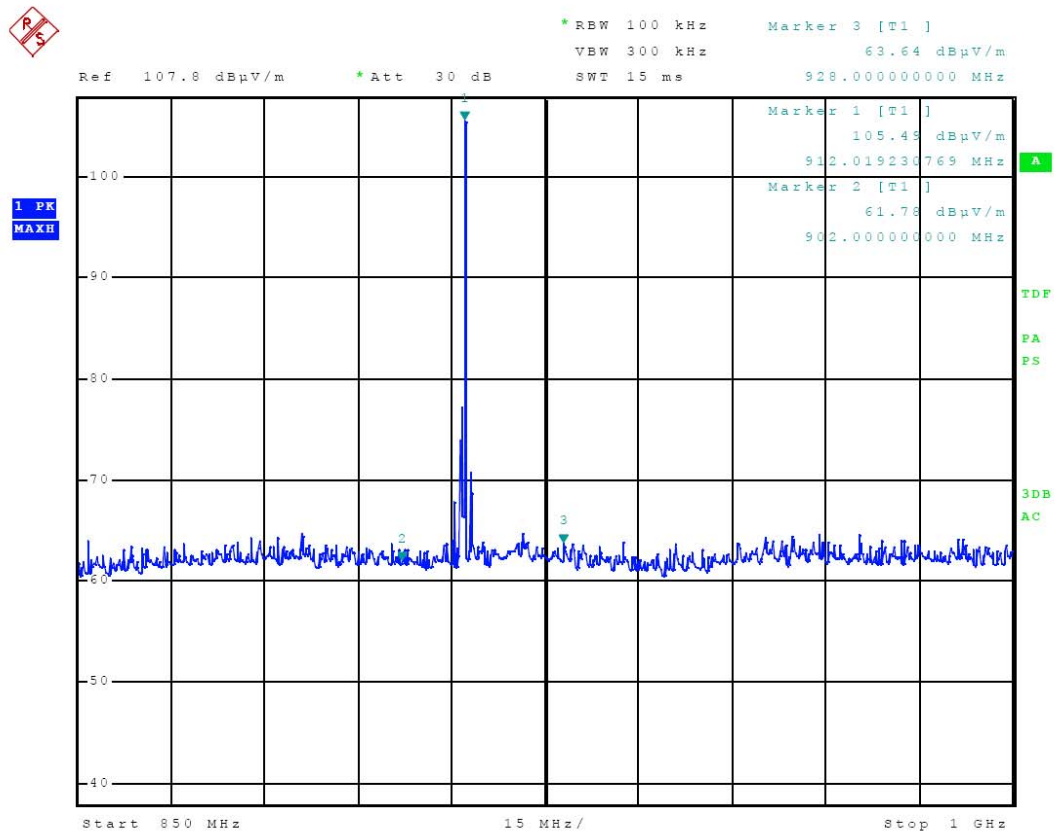
11.Apr 17 14:44

**C20170001**

**Meas Type** RADIATED EMISSION, BAND EDGE  
**Equipment under Test** WSD 011-2  
**Manufacturer** NAVIS ELEKTRONIKA D.O.O.  
**OP Condition** Channel 25 (Hopping disabled)  
**Operator** Andrej Skof  
**Test Spec**  
 VERTICAL 100 cm, 0 deg

**Sweep Settings Screen A**

Center Frequency	925.000000 MHz	Ref Level	107.800 dBµV/m
Frequency Offset	0.000000 Hz	Ref Level Offset	0.000 dB
Span	150.000000 MHz	Ref Position	100.000 %
Start Frequency	850.000000 MHz	Level Range	70.000 dB
Stop Frequency	1.000000 GHz	RF Att	30.000 dB
RBW	100.000000 kHz	X-Axis	LIN
VBW	300.000000 kHz	Y-Axis	LOG
Sweep Time	15.00 ms		



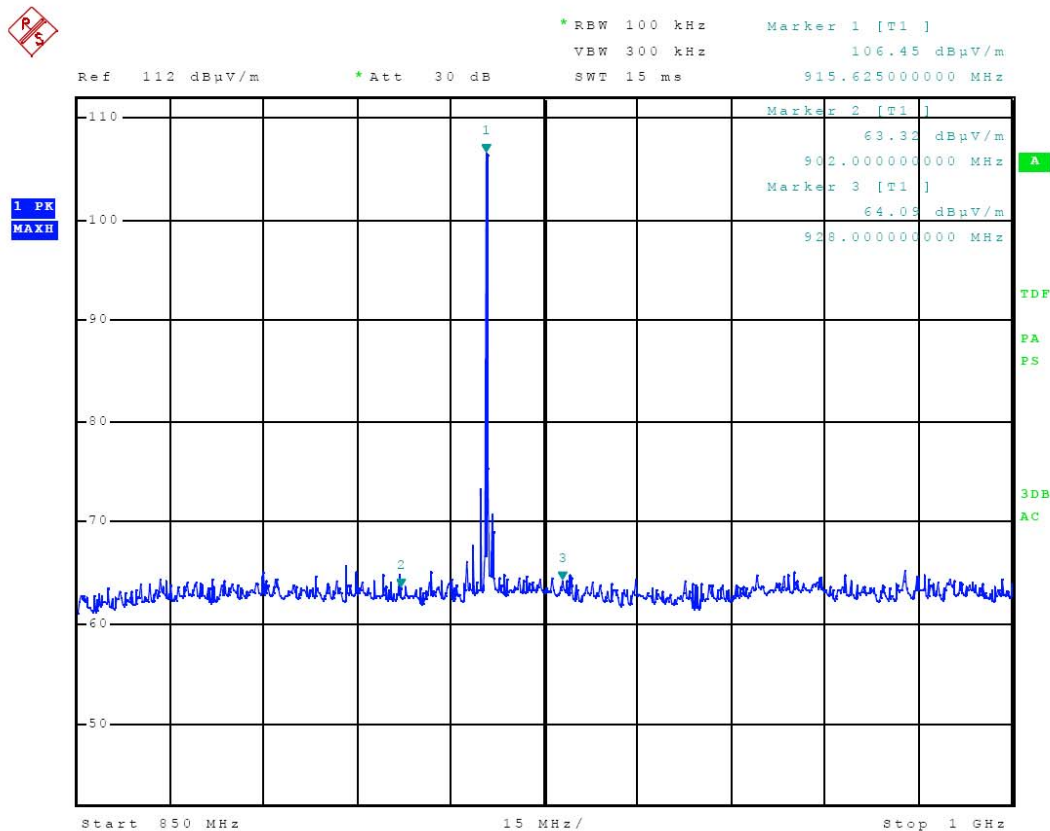
**C20170001**

11.Apr 17 14:47

**Meas Type** RADIATED EMISSION, BAND EDGE  
**Equipment under Test** WSD 011-2  
**Manufacturer** NAVIS ELEKTRONIKA D.O.O.  
**OP Condition** Channel 50 (Hopping disabled)  
**Operator** Andrej Skof  
**Test Spec**  
 VERTICAL 100 cm, 0 deg

**Sweep Settings Screen A**

Center Frequency	925.000000 MHz	Ref Level	112.000 dB $\mu$ V/m
Frequency Offset	0.000000 Hz	Ref Level Offset	0.000 dB
Span	150.000000 MHz	Ref Position	100.000 %
Start Frequency	850.000000 MHz	Level Range	70.000 dB
Stop Frequency	1.000000 GHz	RF Att	30.000 dB
RBW	100.000000 kHz	X-Axis	LIN
VBW	300.000000 kHz	Y-Axis	LOG
Sweep Time	15.00 ms		



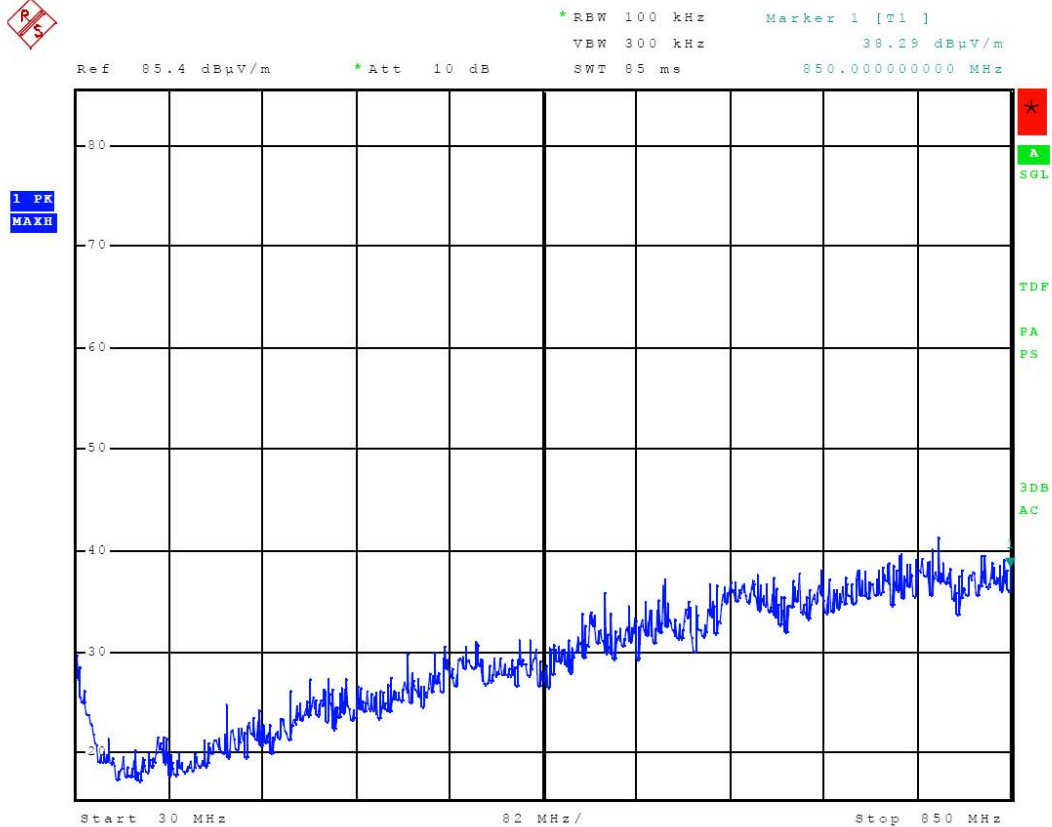


**C20170001**

**Meas Type** RADIATED EMISSION  
**Equipment under Test** WSD 011-2  
**Manufacturer** NAVIS ELEKTRONIKA D.O.O.  
**OP Condition** Hopping ON  
**Operator** Andrej Skof  
**Test Spec**  
 VERTICAL 100 cm, 0 deg

**Sweep Settings Screen A**

Center Frequency	440.000000 MHz	Ref Level	85.400 dB $\mu$ V/m
Frequency Offset	0.000000 Hz	Ref Level Offset	0.000 dB
Span	820.000000 MHz	Ref Position	100.000 %
Start Frequency	30.000000 MHz	Level Range	70.000 dB
Stop Frequency	850.000000 MHz	RF Att	10.000 dB
RBW	100.000000 kHz	X-Axis	LIN
VBW	300.000000 kHz	Y-Axis	LOG
Sweep Time	85.00 ms		



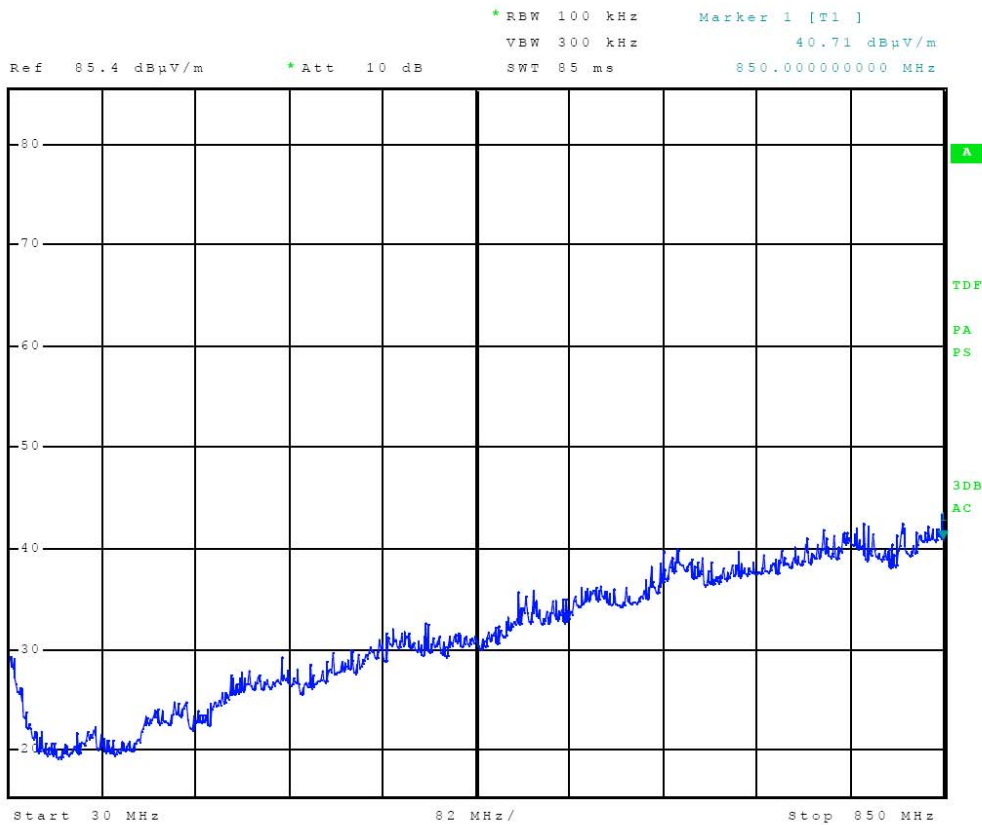
**C20170001**

11.Apr 17 14:38

**Meas Type** RADIATED EMISSION  
**Equipment under Test** WSD 011-2  
**Manufacturer** NAVIS ELEKTRONIKA D.O.O.  
**OP Condition** Channel 1 (Hopping disabled)  
**Operator** Andrej Skof  
**Test Spec**  
 VERTICAL 100 cm, 0 deg

**Sweep Settings Screen A**

Center Frequency	440.000000 MHz	Ref Level	85.400 dB $\mu$ V/m
Frequency Offset	0.000000 Hz	Ref Level Offset	0.000 dB
Span	820.000000 MHz	Ref Position	100.000 %
Start Frequency	30.000000 MHz	Level Range	70.000 dB
Stop Frequency	850.000000 MHz	RF Att	10.000 dB
RBW	100.000000 kHz	X-Axis	LIN
VBW	300.000000 kHz	Y-Axis	LOG
Sweep Time	85.00 ms		





11.Apr 17 14:40

**C20170001**

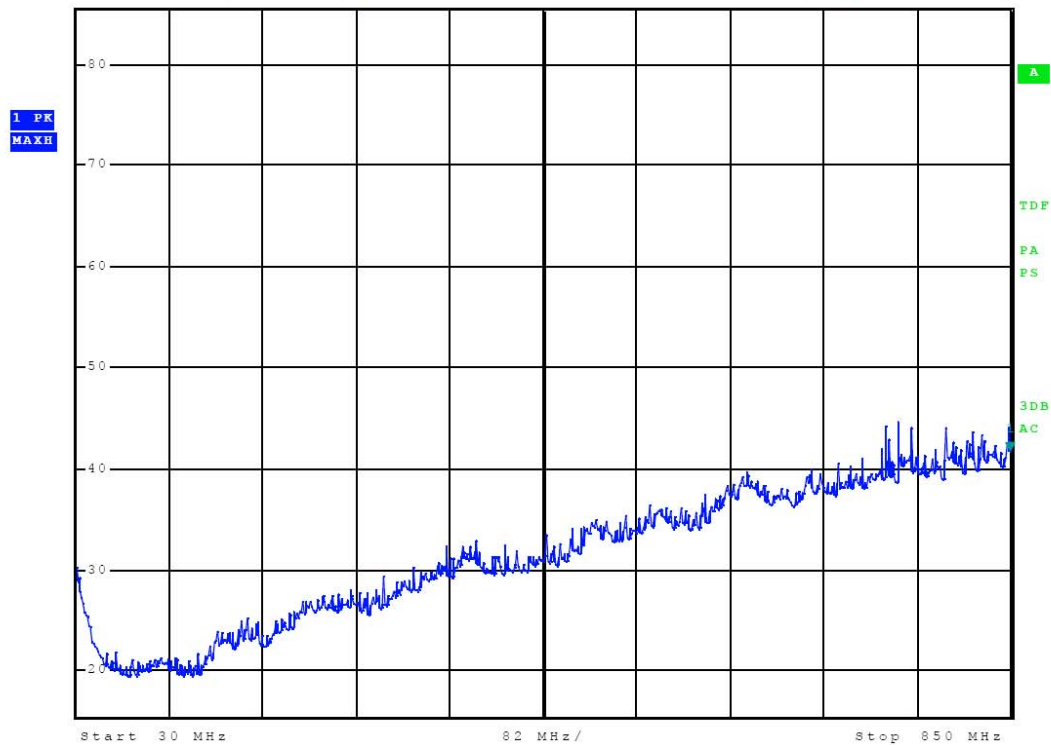
**Meas Type** RADIATED EMISSION  
**Equipment under Test** WSD 011-2  
**Manufacturer** NAVIS ELEKTRONIKA D.O.O.  
**OP Condition** Channel 25 (Hopping disabled)  
**Operator** Andrej Skof  
**Test Spec**  
 VERTICAL 100 cm, 0 deg

**Sweep Settings Screen A**

Center Frequency	440.000000 MHz	Ref Level	85.400 dB $\mu$ V/m
Frequency Offset	0.000000 Hz	Ref Level Offset	0.000 dB
Span	820.000000 MHz	Ref Position	100.000 %
Start Frequency	30.000000 MHz	Level Range	70.000 dB
Stop Frequency	850.000000 MHz	RF Att	10.000 dB
RBW	100.000000 kHz	X-Axis	LIN
VBW	300.000000 kHz	Y-Axis	LOG
Sweep Time	85.00 ms		



\* RBW 100 kHz      Marker 1 [T1 ]  
 VBW 300 kHz      41.66 dB $\mu$ V/m  
 Ref 85.4 dB $\mu$ V/m      \* Att 10 dB      SWT 85 ms      850.000000000 MHz



**C20170001**

11.Apr 17 14:52

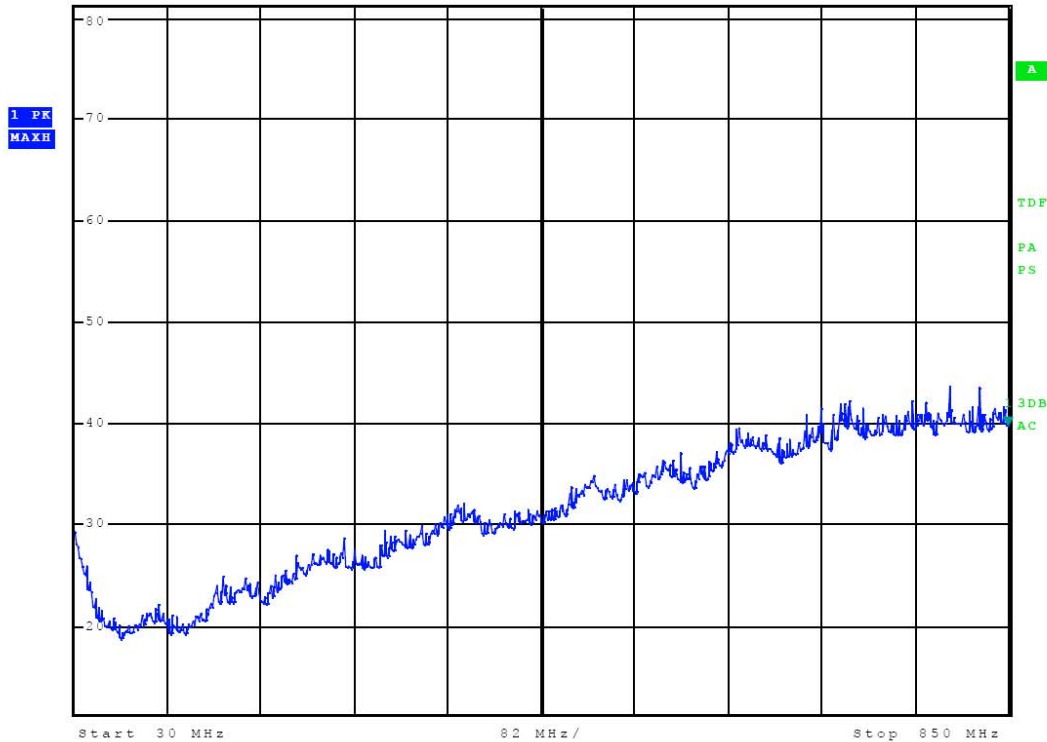
**Meas Type** RADIATED EMISSION  
**Equipment under Test** WSD 011-2  
**Manufacturer** NAVIS ELEKTRONIKA D.O.O.  
**OP Condition** Channel 50 (Hopping disabled)  
**Operator** Andrej Skof  
**Test Spec**  
 VERTICAL 100 cm, 0 deg

**Sweep Settings Screen A**

Center Frequency	440.000000 MHz	Ref Level	81.200 dB $\mu$ V/m
Frequency Offset	0.000000 Hz	Ref Level Offset	0.000 dB
Span	820.000000 MHz	Ref Position	100.000 %
Start Frequency	30.000000 MHz	Level Range	70.000 dB
Stop Frequency	850.000000 MHz	RF Att	10.000 dB
RBW	100.000000 kHz	X-Axis	LIN
VBW	300.000000 kHz	Y-Axis	LOG
Sweep Time	85.00 ms		



\* RBW 100 kHz      Marker 1 [T1 ]  
 VBW 300 kHz      39.63 dB $\mu$ V/m  
 Ref 81.2 dB $\mu$ V/m      \* Att 10 dB  
 SWT 85 ms      850.0000000000 MHz



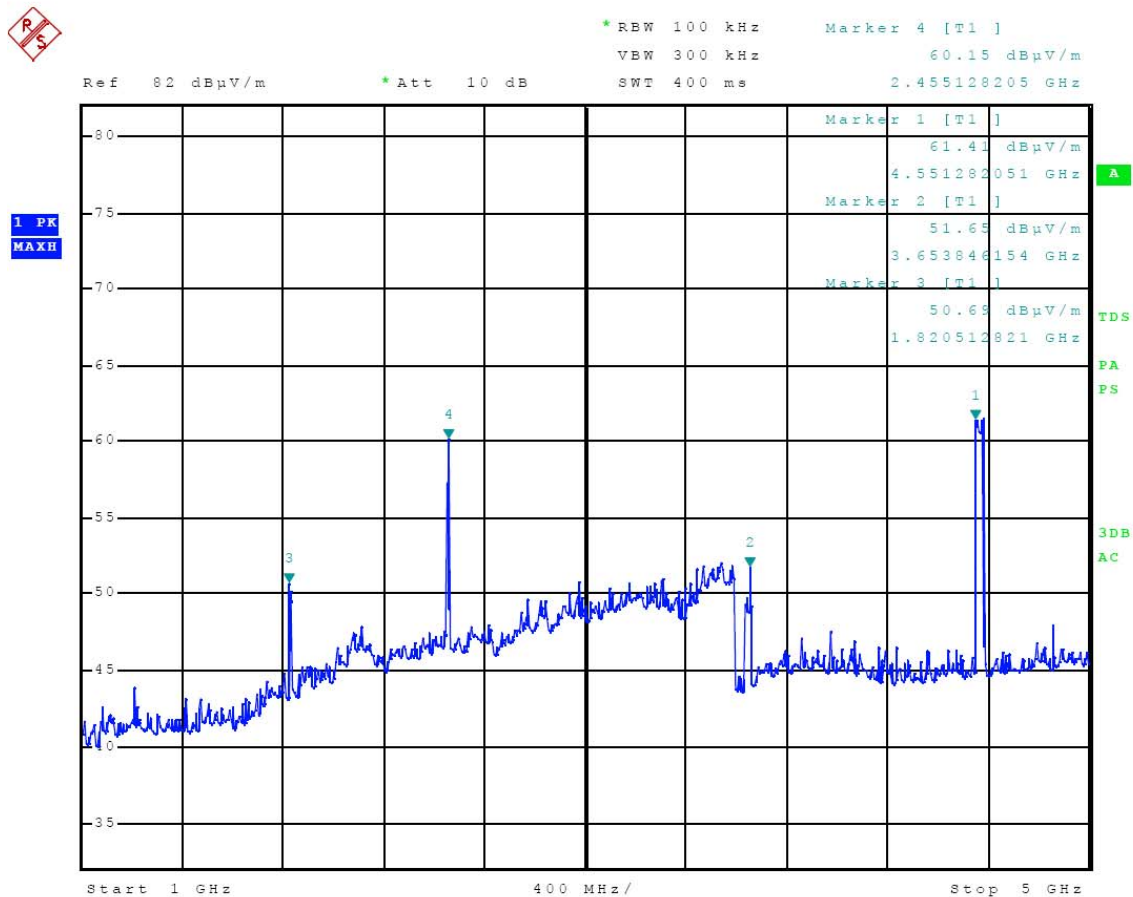


### C20170001

**Meas Type** RADIATED EMISSION  
**Equipment under Test** WSD 011-2  
**Manufacturer** NAVIS ELEKTRONIKA D.O.O.  
**OP Condition** HOPPING ON  
**Operator** Andrej Skof  
**Test Spec**  
 HORIZONTAL 150 cm, 0 deg

### Sweep Settings Screen A

Center Frequency	3.000000 GHz	Ref Level	82.000 dBµV/m
Frequency Offset	0.000000 Hz	Ref Level Offset	0.000 dB
Span	4.000000 GHz	Ref Position	100.000 %
Start Frequency	1.000000 GHz	Level Range	50.000 dB
Stop Frequency	5.000000 GHz	RF Att	10.000 dB
RBW	100.000000 kHz	X-Axis	LIN
VBW	300.000000 kHz	Y-Axis	LOG
Sweep Time	400.00 ms		



### C20170001

**Meas Type**                    RADIATED EMISSION  
**Equipment under Test**      WSD 011-2  
**Manufacturer**                NAVIS ELEKTRONIKA D.O.O.  
**OP Condition**                CH1 (Hopping disabled)  
**Operator**                      Andrej Skof  
**Test Spec**  
 HORIZONTAL 150 cm, 0 deg

#### Sweep Settings      Screen A

Center Frequency	3.000000 GHz	Ref Level	82.000 dB $\mu$ V/m
Frequency Offset	0.000000 Hz	Ref Level Offset	0.000 dB
Span	4.000000 GHz	Ref Position	100.000 %
Start Frequency	1.000000 GHz	Level Range	50.000 dB
Stop Frequency	5.000000 GHz	RF Att	10.000 dB
RBW	100.000000 kHz		
VBW	300.000000 kHz	X-Axis	LIN
Sweep Time	400.00 ms	Y-Axis	LOG

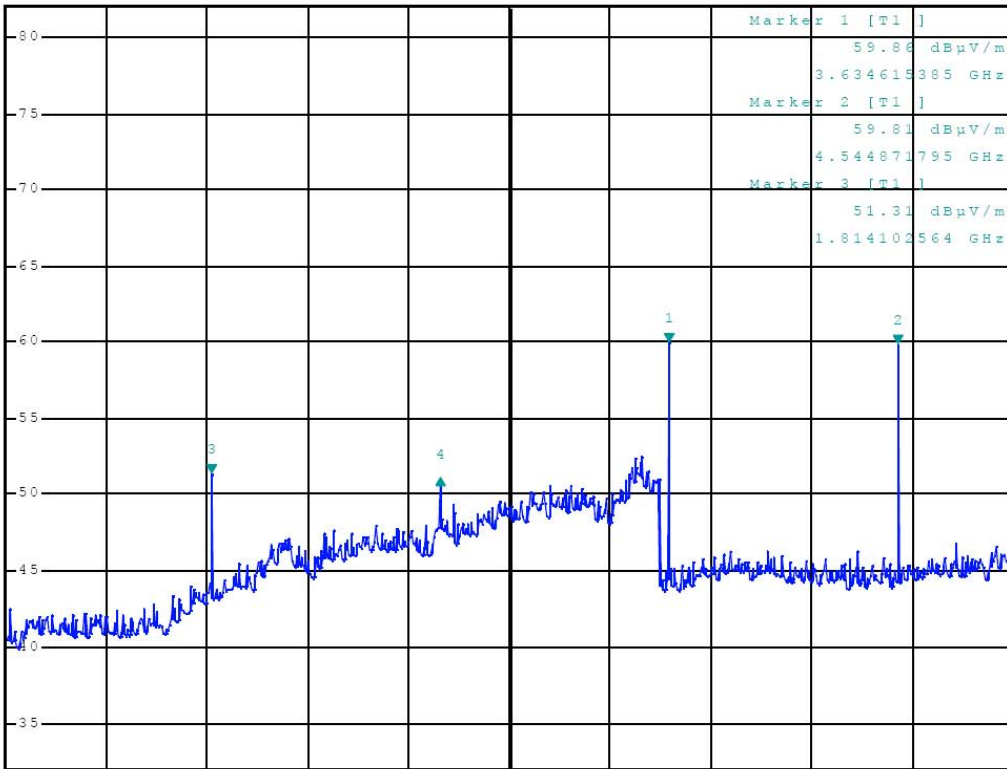


\*RBW 100 kHz      Delta 4 [T1 ]  
 VBW 300 kHz      -8.90 dB  
 SWT 400 ms      -910.256410256 MHz

Ref 82 dB $\mu$ V/m

\*Att 10 dB

1 PK  
MAXH



Start 1 GHz

400 MHz/

Stop 5 GHz



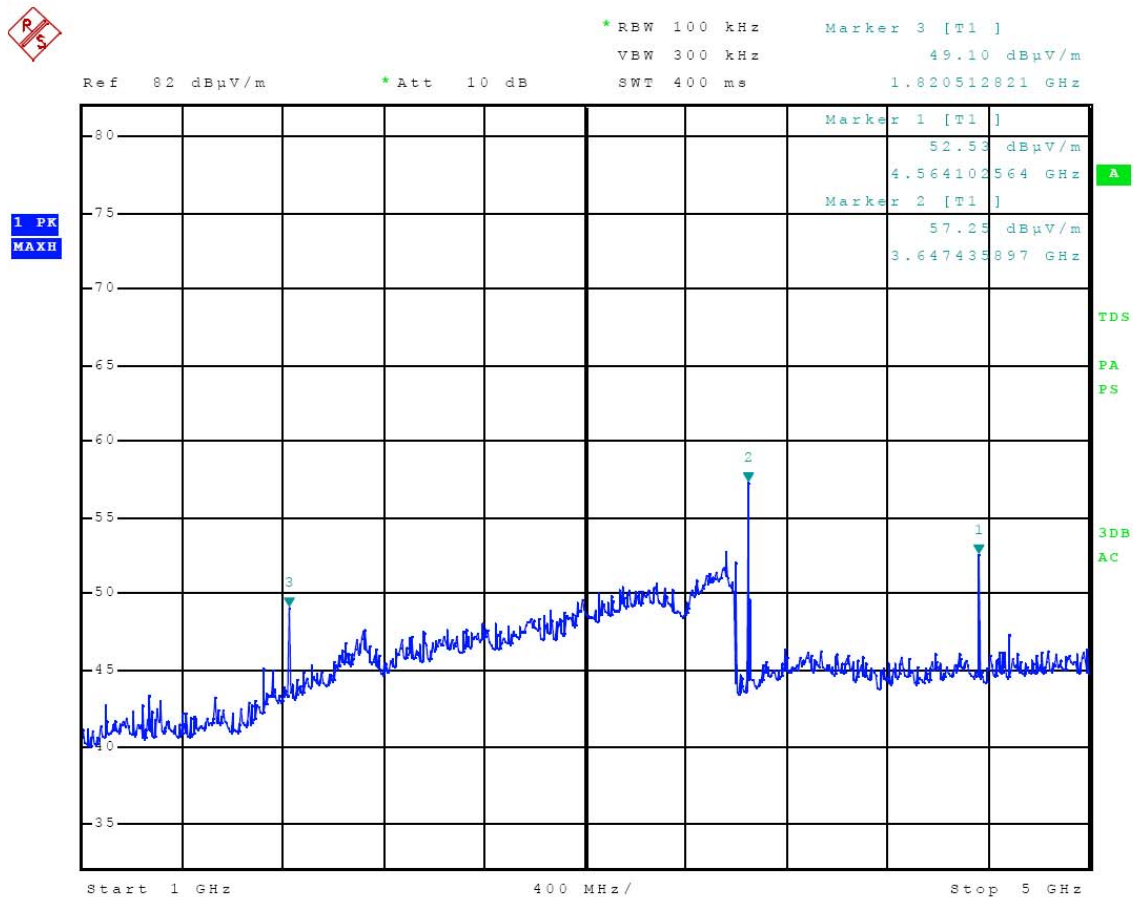


**C20170001**

**Meas Type** RADIATED EMISSION  
**Equipment under Test** WSD 011-2  
**Manufacturer** NAVIS ELEKTRONIKA D.O.O.  
**OP Condition** CH25 (Hopping disabled)  
**Operator** Andrej Skof  
**Test Spec**  
 VERTICAL 150 cm, 0 deg

**Sweep Settings Screen A**

Center Frequency	3.000000 GHz	Ref Level	82.000 dBµV/m
Frequency Offset	0.000000 Hz	Ref Level Offset	0.000 dB
Span	4.000000 GHz	Ref Position	100.000 %
Start Frequency	1.000000 GHz	Level Range	50.000 dB
Stop Frequency	5.000000 GHz	RF Att	10.000 dB
RBW	100.000000 kHz	X-Axis	LIN
VBW	300.000000 kHz	Y-Axis	LOG
Sweep Time	400.00 ms		







### C20170001

**Meas Type**                    RADIATED EMISSION  
**Equipment under Test**    WSD 011-2  
**Manufacturer**                NAVIS ELEKTRONIKA D.O.O.  
**OP Condition**                HOPPING ON  
**Operator**                        Andrej Skof  
**Test Spec**  
 HORIZONTAL 150 cm, 0 deg

#### **Sweep Settings    Screen A**

Center Frequency	7.500000 GHz	Ref Level	82.000 dBµV/m
Frequency Offset	0.000000 Hz	Ref Level Offset	0.000 dB
Span	5.000000 GHz	Ref Position	100.000 %
Start Frequency	5.000000 GHz	Level Range	50.000 dB
Stop Frequency	10.000000 GHz	RF Att	10.000 dB
RBW	100.000000 kHz		
VBW	300.000000 kHz	X-Axis	LIN
Sweep Time	500.00 ms	Y-Axis	LOG

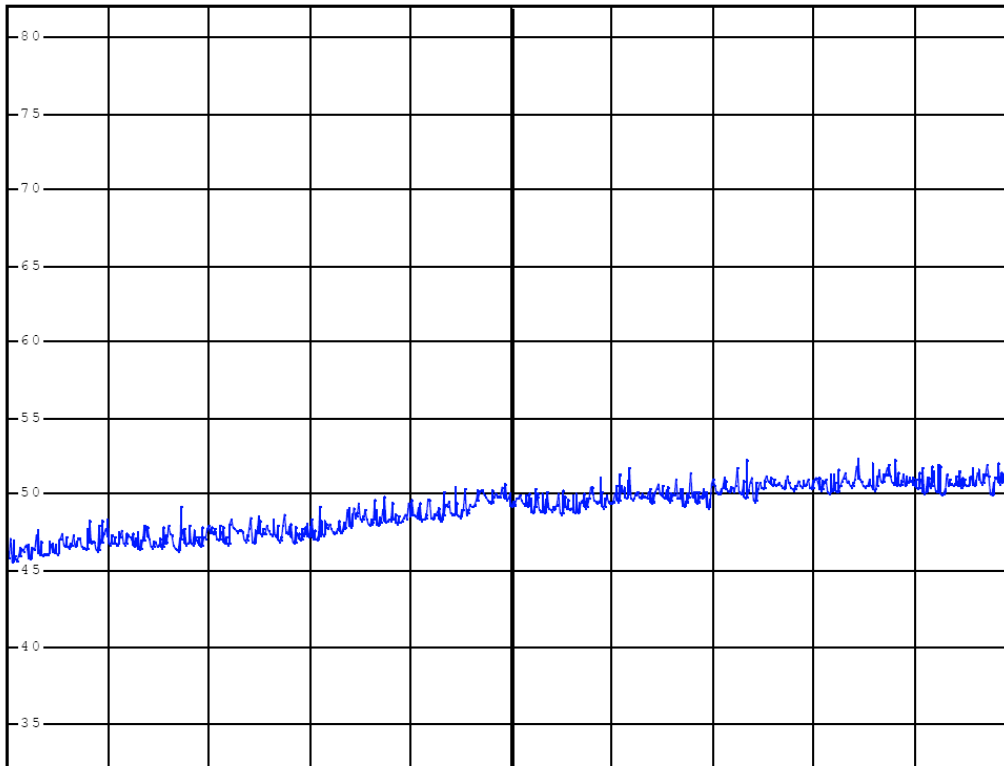


\* RBW 100 kHz  
 VBW 300 kHz  
 SWT 500 ms

Ref 82 dBµV/m

\* Att 10 dB

1 PR  
MAXH



Start 5 GHz

500 MHz/

Stop 10 GHz

A  
 TDS  
 PA  
 PS  
 3DB  
 AC

### C20170001

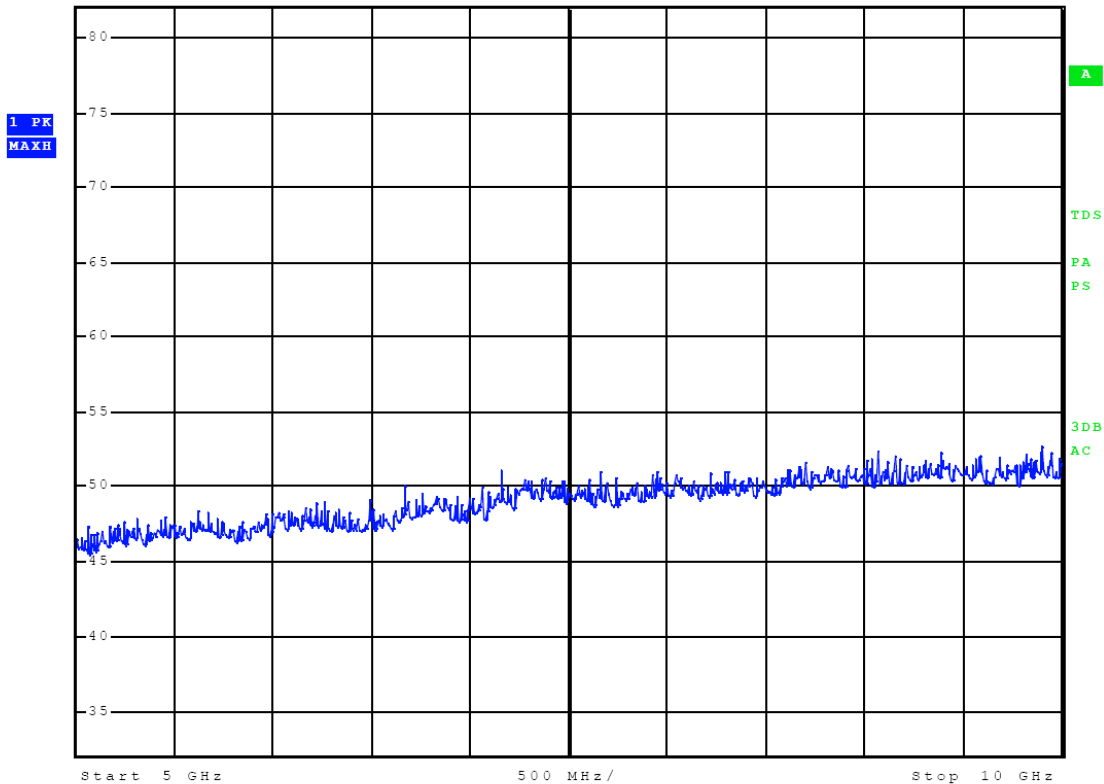
**Meas Type**                    RADIATED EMISSION  
**Equipment under Test**      WSD 011-2  
**Manufacturer**                NAVIS ELEKTRONIKA D.O.O.  
**OP Condition**                CH1 (Hopping disabled)  
**Operator**                      Andrej Skof  
**Test Spec**  
 HORIZONTAL 150 cm, 0 deg

#### Sweep Settings      Screen A

Center Frequency	7.500000 GHz	Ref Level	82.000 dB $\mu$ V/m
Frequency Offset	0.000000 Hz	Ref Level Offset	0.000 dB
Span	5.000000 GHz	Ref Position	100.000 %
Start Frequency	5.000000 GHz	Level Range	50.000 dB
Stop Frequency	10.000000 GHz	RF Att	10.000 dB
RBW	100.000000 kHz	X-Axis	LIN
VBW	300.000000 kHz	Y-Axis	LOG
Sweep Time	500.00 ms		



Ref 82 dB $\mu$ V/m      \* Att 10 dB  
 \* RBW 100 kHz  
 VBW 300 kHz  
 SWT 500 ms





### C20170001

**Meas Type**                    RADIATED EMISSION  
**Equipment under Test**    WSD 011-2  
**Manufacturer**                NAVIS ELEKTRONIKA D.O.O.  
**OP Condition**                CH25 (Hopping disabled)  
**Operator**                        Andrej Skof

**Test Spec**  
 HORIZONTAL 150 cm, 0 deg

#### **Sweep Settings      Screen A**

Center Frequency	7.500000 GHz	Ref Level	82.000 dB $\mu$ V/m
Frequency Offset	0.000000 Hz	Ref Level Offset	0.000 dB
Span	5.000000 GHz	Ref Position	100.000 %
Start Frequency	5.000000 GHz	Level Range	50.000 dB
Stop Frequency	10.000000 GHz	RF Att	10.000 dB
RBW	100.000000 kHz		
VBW	300.000000 kHz	X-Axis	LIN
Sweep Time	500.00 ms	Y-Axis	LOG

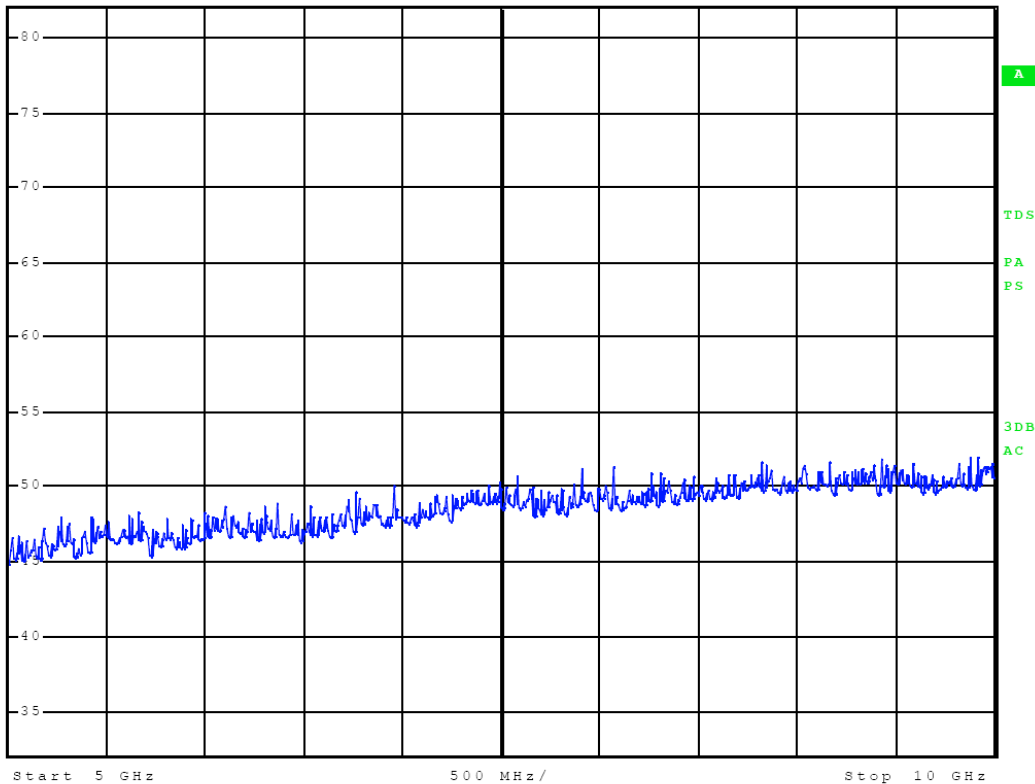


\* RBW 100 kHz  
 VBW 300 kHz  
 SWT 500 ms

Ref 82 dB $\mu$ V/m

\* Att 10 dB

1 PK  
MAXH



### C20170001

**Meas Type**                    RADIATED EMISSION  
**Equipment under Test**      WSD 011-2  
**Manufacturer**                NAVIS ELEKTRONIKA D.O.O.  
**OP Condition**                CH50 (Hopping disabled)  
**Operator**                      Andrej Skof  
**Test Spec**  
 HORIZONTAL 150 cm, 0 deg

#### Sweep Settings      Screen A

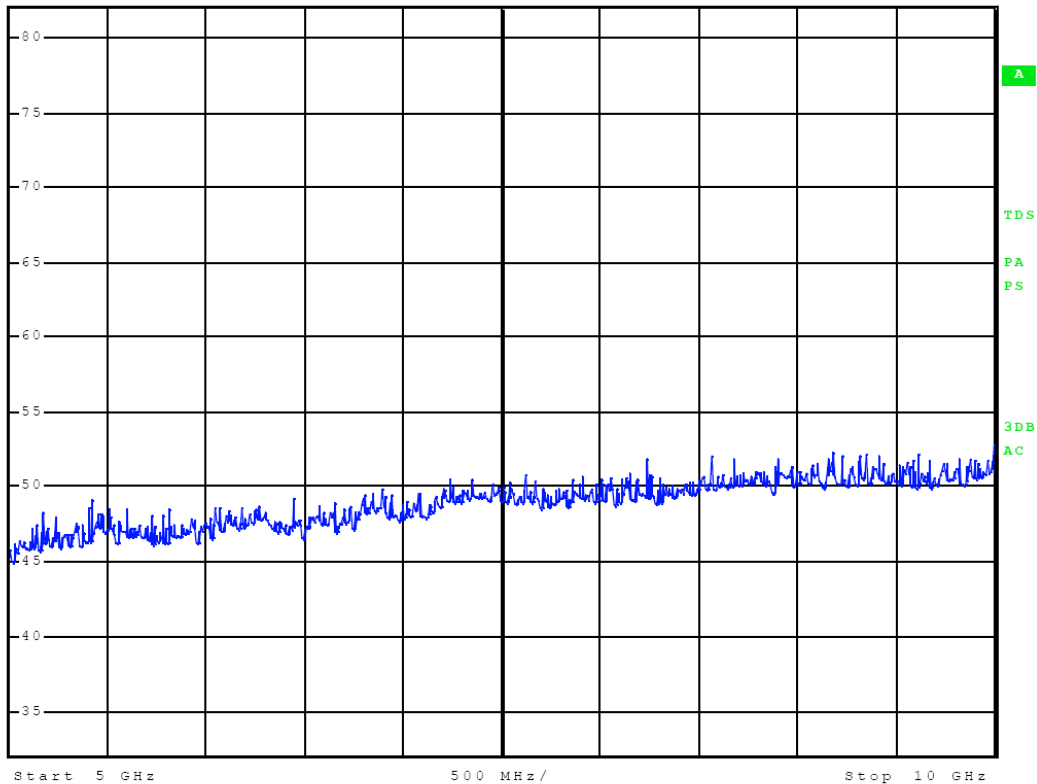
Center Frequency	7.500000 GHz	Ref Level	82.000 dB $\mu$ V/m
Frequency Offset	0.000000 Hz	Ref Level Offset	0.000 dB
Span	5.000000 GHz	Ref Position	100.000 %
Start Frequency	5.000000 GHz	Level Range	50.000 dB
Stop Frequency	10.000000 GHz	RF Att	10.000 dB
RBW	100.000000 kHz	X-Axis	LIN
VBW	300.000000 kHz	Y-Axis	LOG
Sweep Time	500.00 ms		



\* RBW 100 kHz  
 VBW 300 kHz  
 SWT 500 ms

Ref 82 dB $\mu$ V/m      \* Att 10 dB

1 PK  
 MAXH





### 3.11 §15.247 (i) RF Exposure Compliance Requirements

#### Requirement

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines. See §1.1307(b)(1) of this chapter

Limits for Limits for Maximum Permissible Exposure from §1.1310 for General Population/Uncontrolled Exposure: 0.6 mW/cm<sup>2</sup>

Calculation procedure: OET 65 (Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields:

$$S = \text{EIRP} / 4\pi R^2$$

where:

S = power density (mW/cm<sup>2</sup>)

EIRP = equivalent (or effective) isotropically radiated power

R = distance to the center of radiation of the antenna (cm)

#### Results:

P = 12.03 dBm

R = 20 cm

$$S = 0.0024\text{mW/cm}^2$$

**Conclusion: PASS**

#### 4 TEST EQUIPMENT

Description & Manufacturer	Model No.	SIQ No.	Last calibration	Calibrated until	Calibration period	Used
ETS, Anechoic chamber	3m	103949	2016-11	2017-11	24 months	X
Rohde-Schwarz, RFI receiver	ESU8	105187	2015-11	2017-11	24 months	/
Rohde-Schwarz, RFI receiver	ESU26	100428	2016-02	2018-02	24 months	X
R&S, Antenna	HFH2-Z2	/	2015-09	2017-09	24 months	X
EMCO, Antenna	3142B	104351	2015-09	2017-09	24 months	X
EMCO, Antenna	3115	103002	2015-09	2017-09	24 months	X
Heinrich Deisel, Turn table	DS 420.00	103337	NA	NA	NA	X
Antenna tower	/	/	NA	NA	NA	X
Controller for turn table and antenna tower	/	/	NA	NA	NA	X