

Annex 1: Measurement diagrams to
TEST REPORT
No.: 18-1-0100501T01a

According to:
FCC Regulations
Part 15.205
Part 15.209
Part 15.247
ISED-Regulations
RSS-Gen, Issue 4
RSS-247, Issue 2

for

Datalogic S.r.l.

JOYA TOUCH A6
Type: A00AN04HLXGT0AN

FCC ID: U4GJTADG
ISED ID: 3862E-JTADG
HVIN JTAD GUN
HVIN JTAD HH







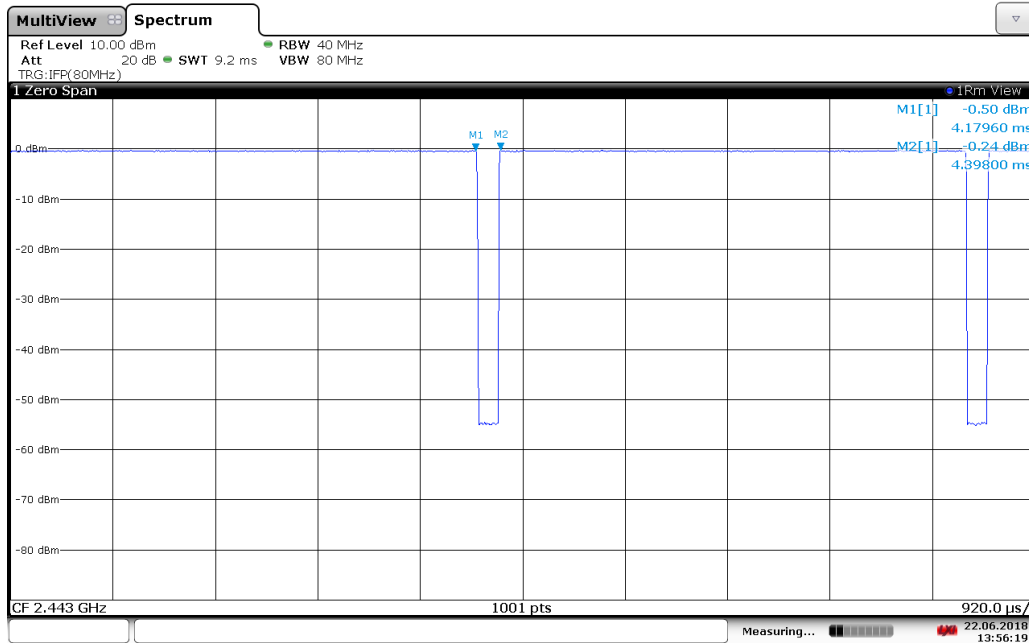
Laboratory Accreditation and Listings		
 Deutsche Akkreditierungsstelle D-PL-12047-01-01 Accredited EMC-Test Laboratory	 Industry Canada Reg. No.: 3462D-1 Reg. No.: 3462D-2 Reg. No.: 3462D-3	 Voluntary Controls for Electromagnetic Emissions Reg. No.:4452, C-20009, T-20006, G-20013
 AUTHORIZED RF LABORATORY	 Lab Code: 20011130-00	 FEDERAL COMMUNICATIONS COMMISSION MRA US-EU 0003
accredited according to DIN EN ISO/IEC 17025		
<p>CETECOM GmbH Laboratory Radio Communications & Electromagnetic Compatibility Im Teelbruch 116 • 45219 Essen • Germany Registered in Essen, Germany, Reg. No.: HRB Essen 8984 Tel.: + 49 (0) 20 54 / 95 19-954 • Fax: + 49 (0) 20 54 / 95 19-964 E-mail: info@cetecom.com • Internet: www.cetecom.com</p>		

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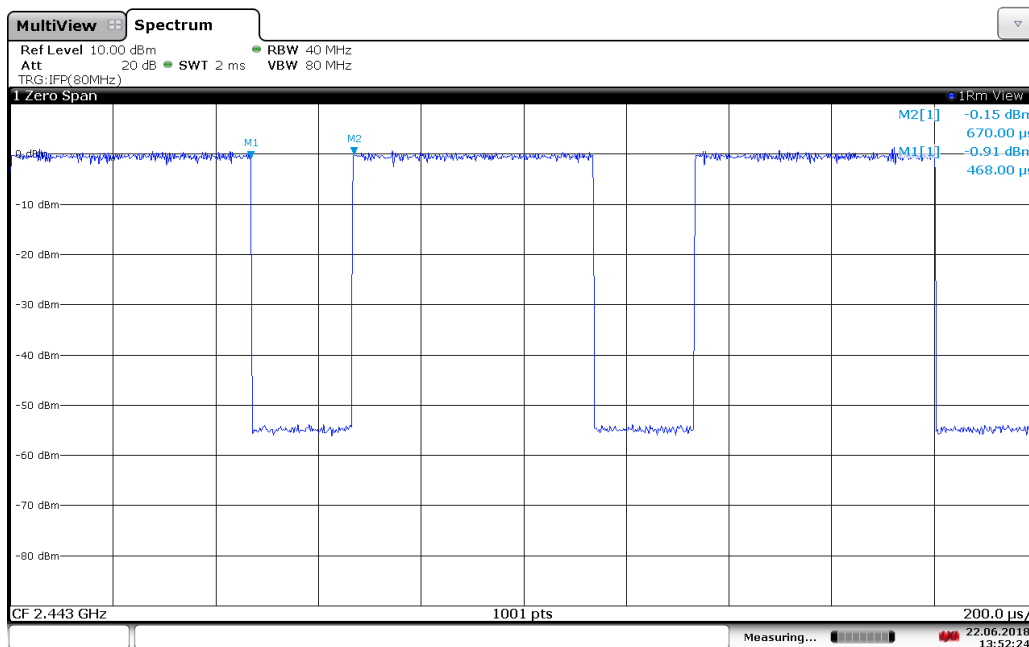
1. Measurement diagrams

1.1. Duty Cycle



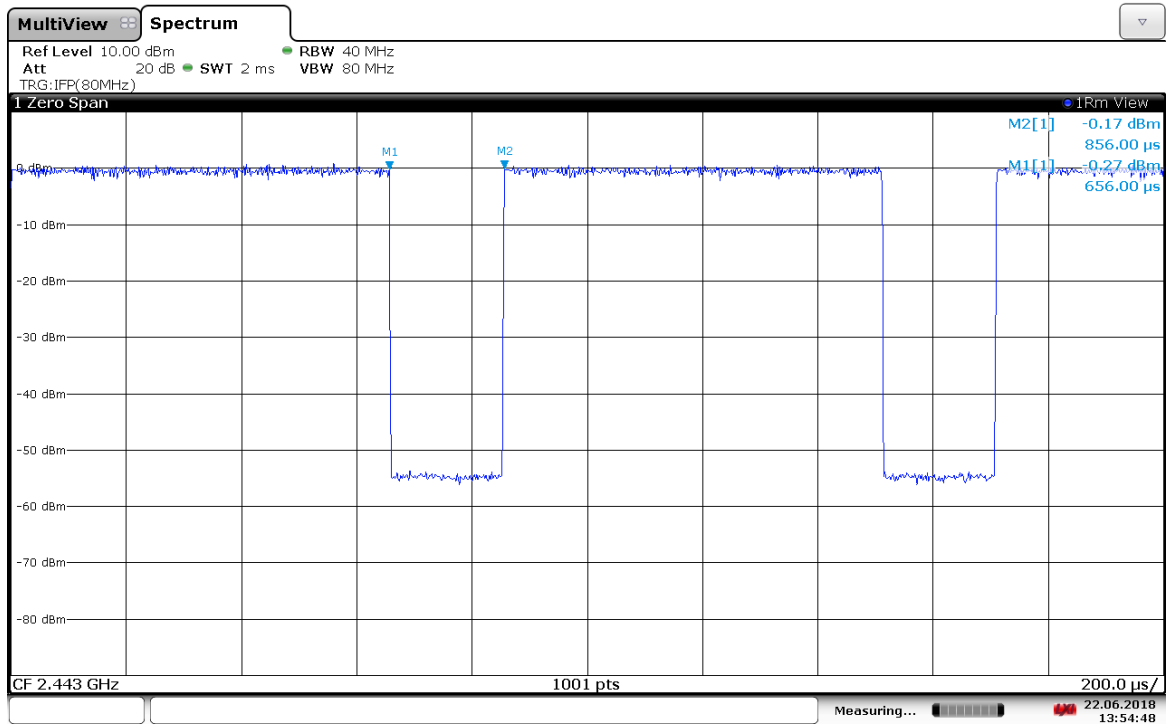
13:56:19 22.06.2018

b-mode, channel 06, 2Mbit



13:52:24 22.06.2018

g-mode, channel 06, 18Mbit



13:54:48 22.06.2018

n20-mode, ch 06, MCS2

Calculated with following formulas:

Duty cycle:	$x = \frac{T_{x_{on}}}{T_{x_{on}} + T_{x_{off}}}$	Duty cycle factor [dB]: $10 \log\left(\frac{1}{x}\right)$
-------------	---	---

WLAN 2.4 GHz Duty Cycle Measurements						
WLAN 2.4 GHz Mode	Marker 1 [BTS ON']	Marker 2 [BTS ON']	TX on	TX off	Duty Cycle	10log(1/DC)
Data Rate	us	us	us	us		
WLAN 2.4GHz b-Mode						
b-mode 2MBit ch06	4,179600	4,398000	4,17960	0,21840	0,95034	0,22121
WLAN 2.4GHz g-Mode						
g-mode 18MBit ch06	468,000000	670,000000	468,00000	202,00000	0,6985	1,5583
WLAN 2.4GHz n-Mode HT20						
n20-mode MCS2 ch06	656,000000	856,000000	656,00000	200,00000	0,7664	1,1557

1.2. Conducted output power

Peak results

WLAN 2.4GHz b-Mode		Channel No. (Frequency MHz)			b-Mode	Power Units
Data rate	Modulation	1 (2412)	6 (2437)	11 (2462)	Maximum Value	
1MBit		17,52	17,51	17,53	17,76	dBm
2Mbit		17,76	17,67	17,65		
5.5Mbit		17,62	17,68	17,50		
11MBit		17,64	17,62	17,60		
WLAN 2.4 GHz Conducted Peak Power Limits					30.0	dBm
WLAN 2.4GHz g-Mode		Channel No. (Frequency MHz)			g-Mode	Power Units
Data rate	Modulation	1 (2412)	6 (2437)	11 (2462)	Maximum Value	
54Mbit		19,95	20,10	18,80	21,57	dBm
48Mbit		20,77	21,18	18,81		
36Mbit		20,81	21,22	18,98		
24Mbit		20,78	21,54	19,25		
18Mbit		20,67	21,57	18,55		
12Mbit		20,60	21,47	19,12		
9Mbit		20,60	21,49	19,12		
6MBit		20,52	21,56	18,60		
WLAN 2.4 GHz Conducted Peak Power Limits					30.0	dBm
WLAN 2.4GHz n-Mode HT20		Channel No. (Frequency MHz)			n-Mode HT20	Power Units
Data rate	Modulation	1 (2412)	6 (2437)	11 (2462)	Maximum Value	
MCS0 -6.5Mbps	BPSK	20,45	21,38	18,76	21,52	dBm
MCS1 - 13Mbps	QPSK	20,51	21,09	18,68		
MCS2 - 19.5Mbps	QPSK	20,29	21,52	19,02		
MCS3 - 26Mbps	QAM16	20,52	21,49	18,99		
MCS4 -39Mbps	QAM16	20,70	21,52	19,14		
MCS5 - 52Mbps	QAM64	20,64	21,15	18,80		
MCS6 - 58.5Mbps	QAM64	20,61	20,53	18,97		
MCS7 - 65Mbps	QAM64	19,86	19,90	19,03		
WLAN 2.4 GHz Conducted Peak Power Limits					30.0	dBm

RMS results

EUT Information	EUT Name	Joya Touch A6	Hardware Version	Beta
	Manufacturer	Datalogic	Software Version	20.12
	Serial Number	Z17P01201	Antenna Gain	2.14

WLAN 2.4GHz b-Mode		Channel No. (Frequency MHz)			b-Mode	Power Units
Data rate	Modulation	1 (2412)	6 (2437)	11 (2462)	Maximum Value	
1MBit		14,56	15,17	15,28	15,59	dBm
2Mbit		14,83	15,29	15,41		
5.5Mbit		14,79	15,32	15,44		
11MBit		15,03	15,42	15,59		
WLAN 2.4 GHz Conducted Average Power Limits					30.0	dBm
WLAN 2.4GHz g-Mode		Channel No. (Frequency MHz)			g-Mode	Power Units
Data rate	Modulation	1 (2412)	6 (2437)	11 (2462)	Maximum Value	
54Mbit		10,49	10,90	9,65	14,483	dBm
48Mbit		11,88	12,75	9,61		
36Mbit		11,90	14,48	9,60		
24Mbit		11,82	14,45	9,56		
18Mbit		11,88	14,46	9,10		
12Mbit		11,88	14,42	9,53		
9Mbit		11,85	14,42	9,53		
6MBit		11,78	14,46	9,55		
WLAN 2.4 GHz Conducted Average Power Limits					30.0	dBm
WLAN 2.4GHz n-Mode HT20		Channel No. (Frequency MHz)			n-Mode HT20	Power Units
Data rate	Modulation	1 (2412)	6 (2437)	11 (2462)	Maximum Value	
MCS0 -6.5Mbps	BPSK	11,77	14,55	9,72	14,604	dBm
MCS1 - 13Mbps	QPSK	11,82	14,59	9,75		
MCS2 - 19.5Mbps	QPSK	11,81	14,56	9,74		
MCS3 - 26Mbps	QAM16	12,02	14,51	9,67		
MCS4 -39Mbps	QAM16	11,87	14,60	9,77		
MCS5 - 52MBps	QAM64	11,87	13,33	9,79		
MCS6 - 58.5MBps	QAM64	11,42	11,95	9,81		
MCS7 - 65MBps	QAM64	9,75	10,45	9,63		
WLAN 2.4 GHz Conducted Average Power Limits					30.0	dBm

1.3. Radiated magnetic field measurements below 30 MHz

2.03a_b-mode_2Mbit_Ch11_standing

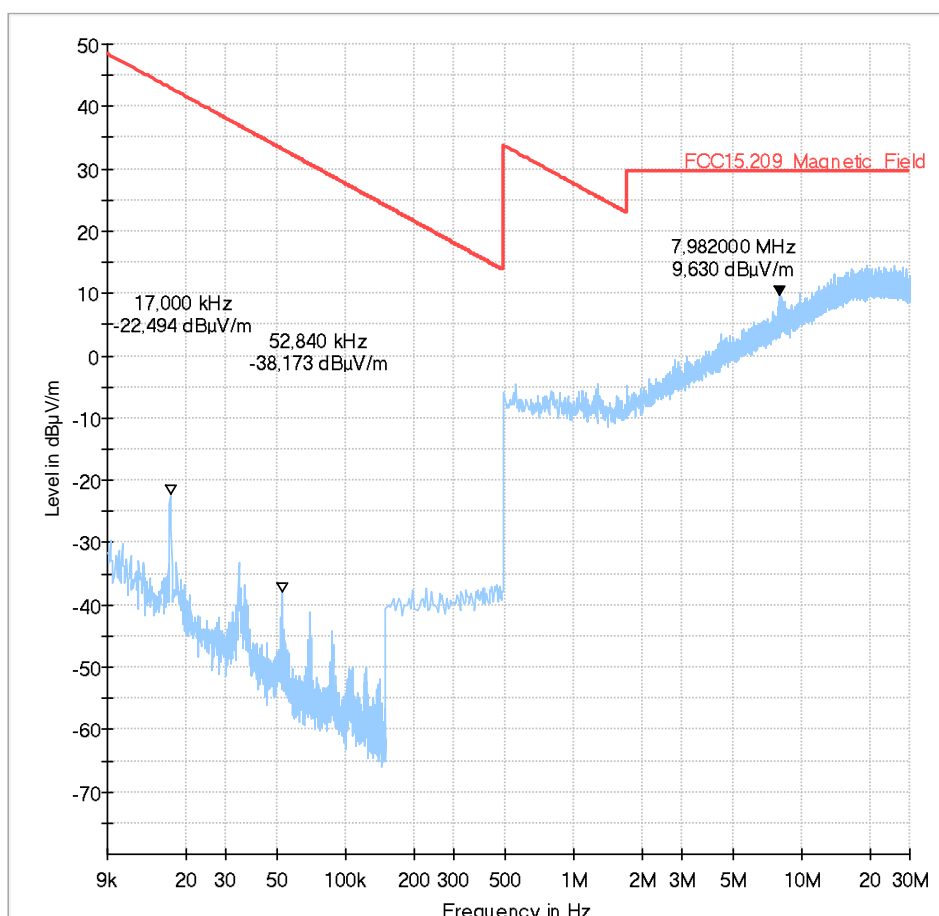
Common Information

Test Description:	Electric Fieldstrength Measurement below 1GHz
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC - Testing Part 15.247 & RSS-247 (WLAN2.4)
Operating Conditions:	Wlan2.4GHz_CH11_2MBit_PWR16
Operator Name:	TFR
Comment:	EUT Standing

EUT Information

Manufacturer:	-Datalogic S.r.l.
Model:	-JOYA TOUCH Android
Type:	-

EUT:	-
HW version:	-Beta
SW version:	-20.12
SVN:	-tbd
Config:	-
Serial number:	-Z17PO1191
Connected Interfaces:	-
Power Supply:	-
Comments:	-



2.03b_b-mode_2Mbit_ch11_laying

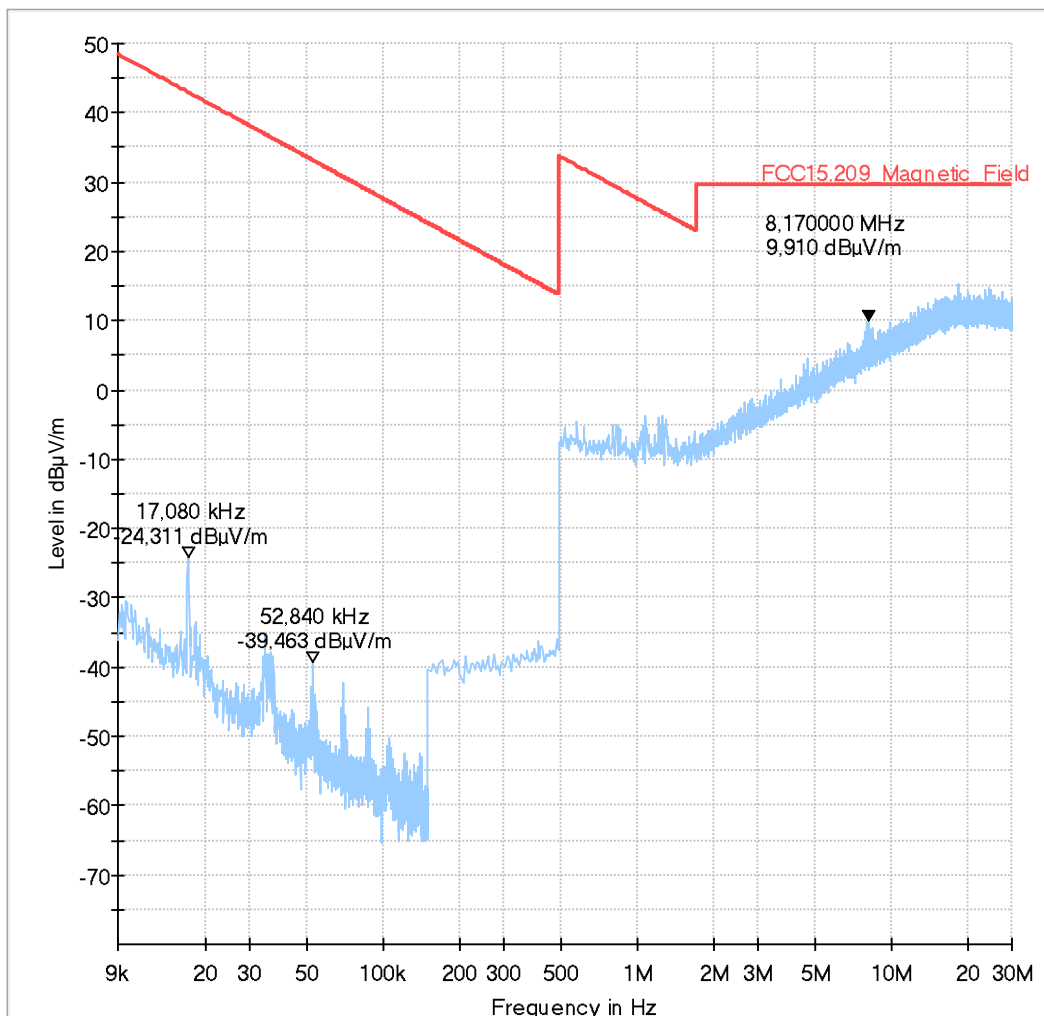
Common Information

Test Description:	Electric Fieldstrength Measurement below 1GHz
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC - Testing Part 15.247 & RSS-247 (WLAN2.4)
Operating Conditions:	Wlan2.4GHz_CH11_2MBit_PWR16
Operator Name:	TFR
Comment:	EUT Laying

EUT Information

Manufacturer:	-Datalogic S.r.l.
Model:	-JOYA TOUCH Android
Type:	-

EUT:	-
HW version:	-Beta
SW version:	-20.12
SVN:	-tbd
Config:	-
Serial number:	-Z17PO1191
Connected Interfaces:	-
Power Supply:	-
Comments:	-



1.4. Radiated electric field measurement 30 MHz to 1 GHz

Diagram No. 3.01a_n30-mode_MCS2_ch01_standing

20.06.2018 Page 1 of 2
 Test description: Electric Field Strength Measurement
 Test site and distance: Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
 Version of Testsoftware: EMC32 V9.25.0
 Distance correction: not used
 Used filter: not used
 Technical Data: please see page 2 for detailed data of measurement setup
 Test specification.: FCC 15.209; RSS-Gen: Issue 3

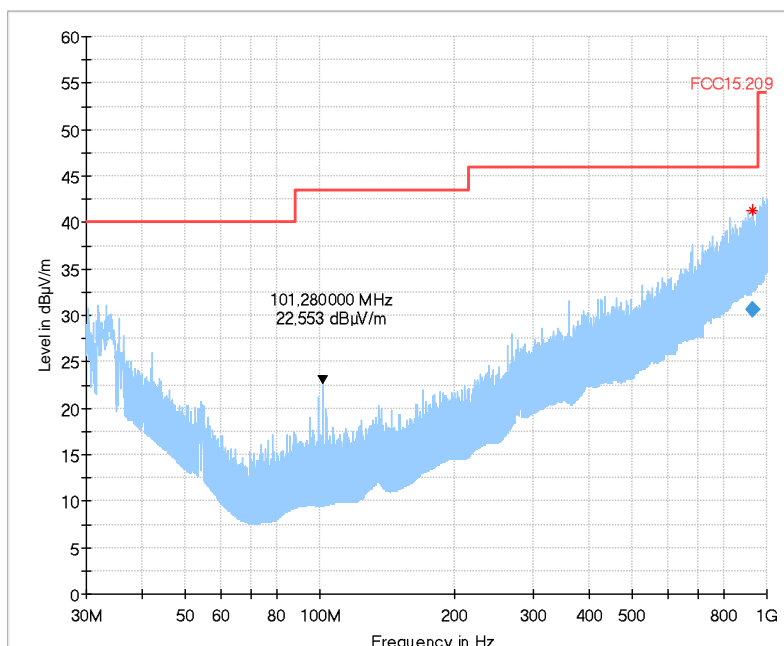
Operator: TFr
 Operating conditions: Humidity: 48%rH; Temperature: 20°C
 Comment 1: EUT Laying

EUT Information

Manufacturer: -Datalogic S.r.l.
 Model: -JOYA TOUCH Android
 Type: -

 EUT: -
 HW version: -Beta
 SW version: -20.12
 SVN: -tbd
 Config: -
 Serial number: -Z17PO1191
 Connected Interfaces: -
 Power Supply: -
 Comments: -

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)
931.020000	30.66	46.00	15.34	1000.0	120.000	234.0	V	1.0	26.7

Diagram No. 3.01b_n30-mode_MCS2_ch01_laying

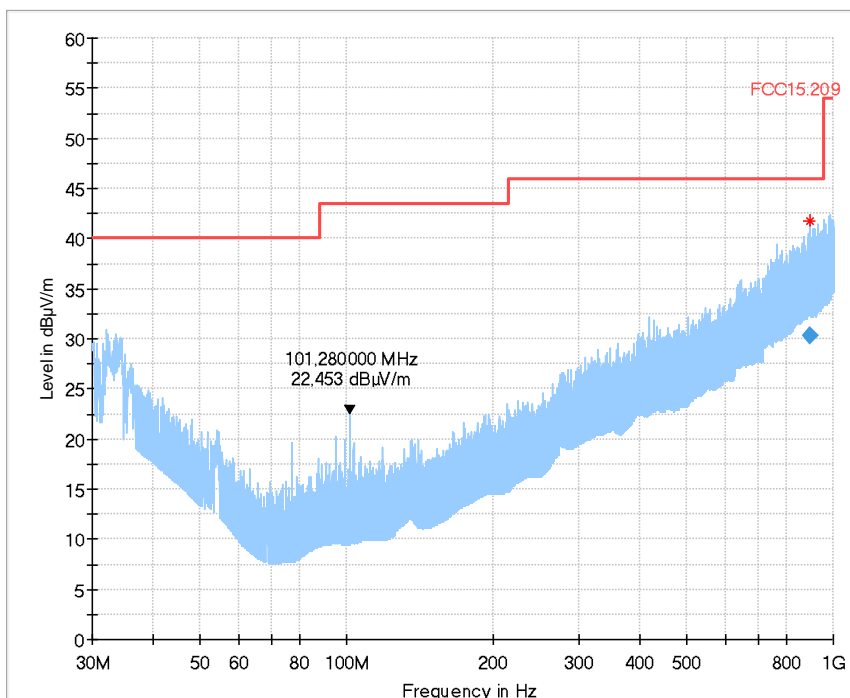
Test description:	20.06.2018 Page 1 of 2
Test site and distance:	Electric Field Strength Measurement
Version of Testsoftware:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Distance correction:	EMC32 V9.25.0
Used filter:	not used
Technical Data:	not used
Test specification.:	please see page 2 for detailed data of measurement setup
	FCC 15.209; RSS-Gen: Issue 3
Operator:	TFr
Operating conditions:	Humidity: 48%rH; Temperature: 20°C
Comment 1:	EUT Laying

EUT Information

Manufacturer:	-Datalogic S.r.l.
Model:	-JOYA TOUCH Android
Type:	-

EUT:	-
HW version:	-Beta
SW version:	-20.12
SVN:	-tbd
Config:	-
Serial number:	-Z17PO1191
Connected Interfaces:	-
Power Supply:	-
Comments:	-

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)
893.000000	30.38	46.00	15.62	1000.0	120.000	245.0	H	278.0	26.7

Diagram No. 3.02a_g-mode_18Mbit_ch06_standing

	20.06.2018	Page 1 of 2
Test description:	Electric Field Strength Measurement	
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance	
Version of Testsoftware:	EMC32 V9.25.0	
Distance correction:	not used	
Used filter:	not used	
Technical Data:	please see page 2 for detailed data of measurement setup	
Test specification.:	FCC 15.209; RSS-Gen: Issue 3	
Operator:	TFr	
Operating conditions:	Humidity: 48%rH; Temperature: 20°C	
Comment 1:	EUT standing	

EUT Information

Manufacturer:	-Datalogic S.r.l.
Model:	-JOYA TOUCH Android
Type:	-

EUT:	-
HW version:	-Beta
SW version:	-20.12
SVN:	-tbd
Config:	-
Serial number:	-Z17PO1191
Connected Interfaces:	-
Power Supply:	-
Comments:	-

Full Spectrum

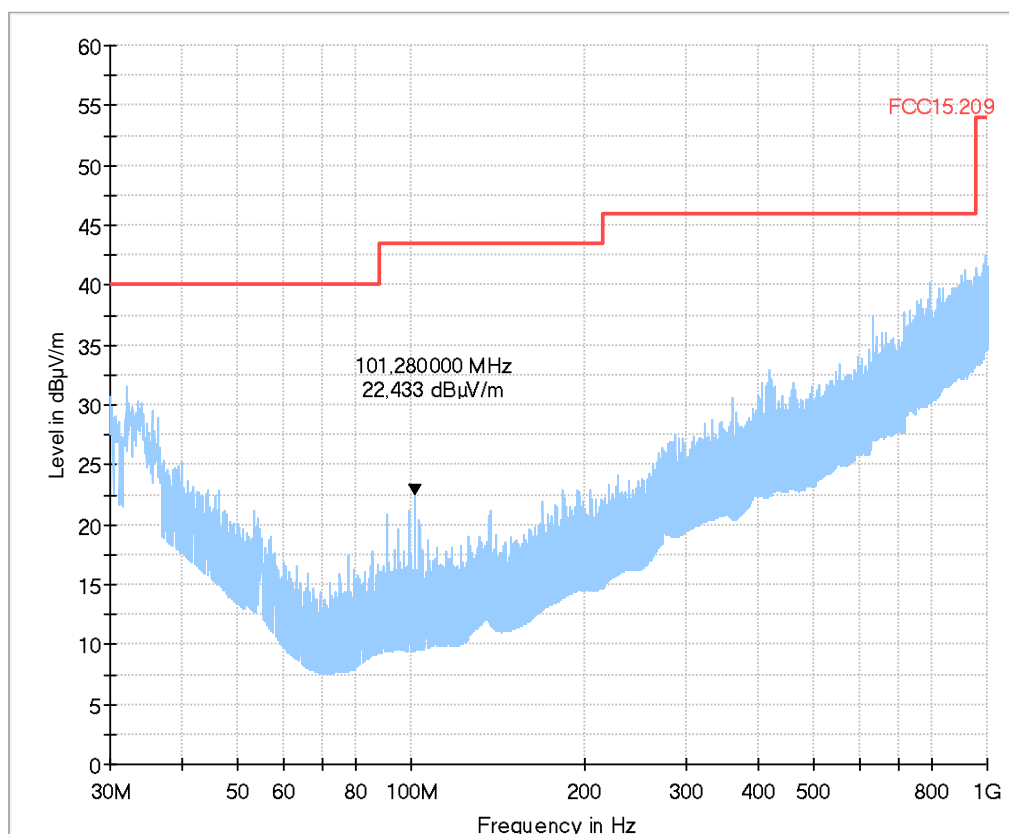


Diagram No. 3.02b_g-mode_18Mbit_ch06_laying

	20.06.2018	Page 1 of 2
Test description:	Electric Field Strength Measurement	
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance	
Version of Testsoftware:	EMC32 V9.25.0	
Distance correction:	not used	
Used filter:	not used	
Technical Data:	please see page 2 for detailed data of measurement setup	
Test specification.:	FCC 15.209; RSS-Gen: Issue 3	
Operator:	TFr	
Operating conditions:	Humidity: 48%rH; Temperature: 20°C	
Comment 1:	EUT Laying	

EUT Information

Manufacturer:	-Datalogic S.r.l.
Model:	-JOYA TOUCH Android
Type:	-

EUT:	-
HW version:	-Beta
SW version:	-20.12
SVN:	-tbd
Config:	-
Serial number:	-Z17PO1191
Connected Interfaces:	-
Power Supply:	-
Comments:	-

Full Spectrum

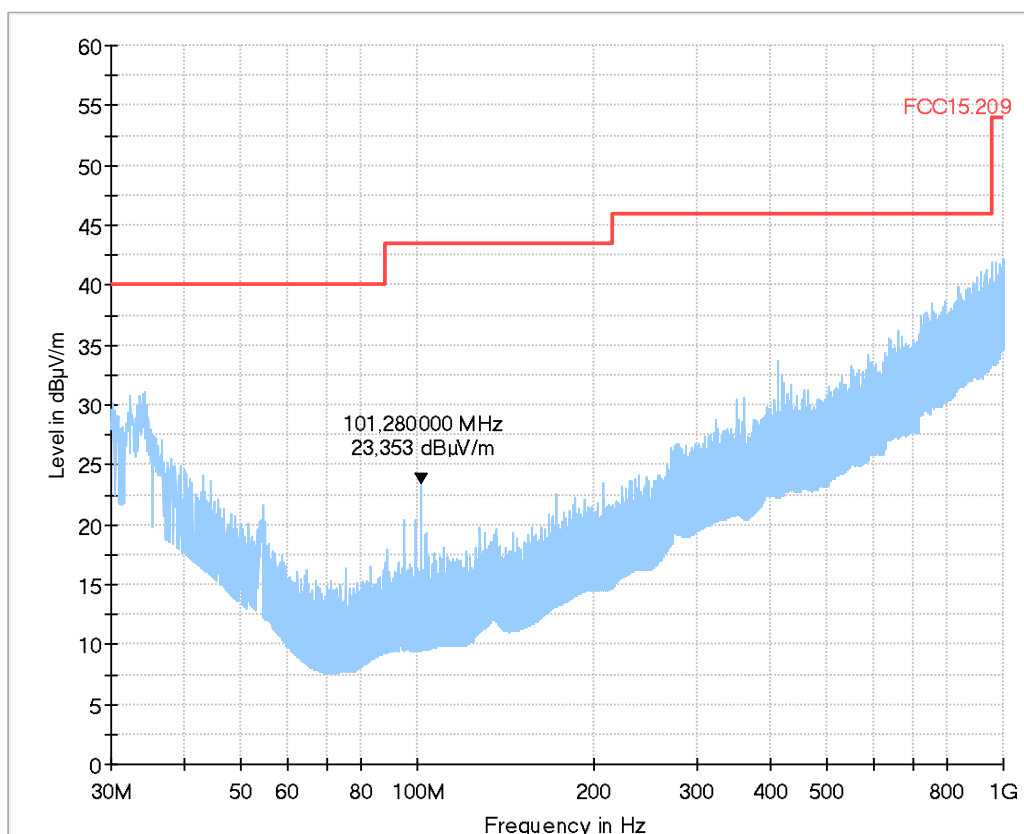


Diagram No. 3.03a_b-mode_2Mbit_ch11_standing

20.06.2018 Page 1 of 2
 Test description: Electric Field Strength Measurement
 Test site and distance: Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
 Version of Testsoftware: EMC32 V9.25.0
 Distance correction: not used
 Used filter: not used
 Technical Data: please see page 2 for detailed data of measurement setup
 Test specification.: FCC 15.209; RSS-Gen: Issue 3

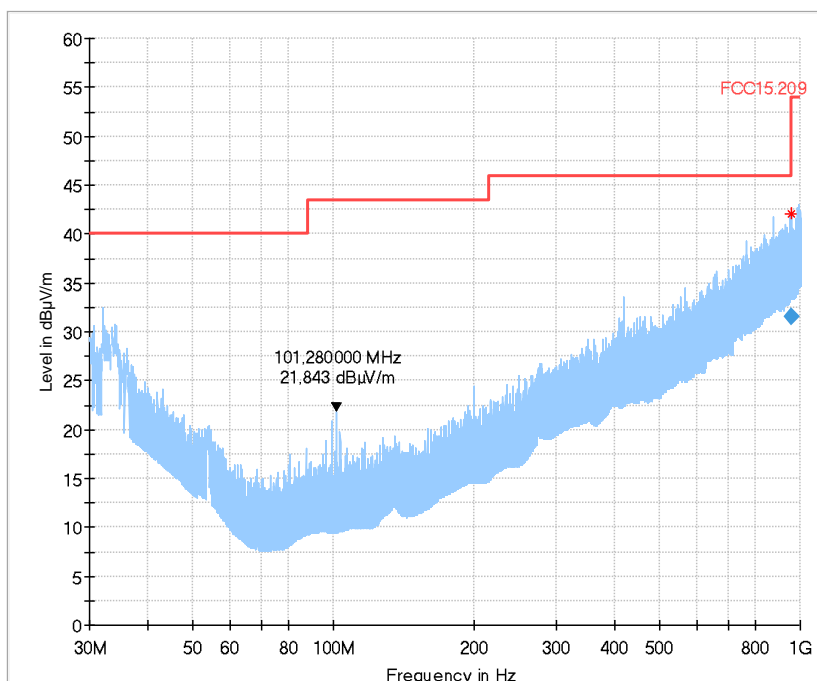
Operator: TFr
 Operating conditions: Humidity: 48%rH; Temperature: 20°C
 Comment 1: EUT Standing

EUT Information

Manufacturer: -Datalogic S.r.l.
 Model: -JOYA TOUCH Android
 Type: -

EUT: -
 HW version: -Beta
 SW version: -20.12
 SVN: -tbd
 Config: -
 Serial number: -Z17PO1191
 Connected Interfaces: -
 Power Supply: -
 Comments: -

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)
956.364000	31.60	46.00	14.40	1000.0	120.000	206.0	V	232.0	27.4

Diagram No. 3.03b_b-mode_2Mbit_ch11_laying

20.06.2018 Page 1 of 2
 Test description: Electric Field Strength Measurement
 Test site and distance: Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
 Version of Testsoftware: EMC32 V9.25.0
 Distance correction: not used
 Used filter: not used
 Technical Data: please see page 2 for detailed data of measurement setup
 Test specification.: FCC 15.209; RSS-Gen: Issue 3

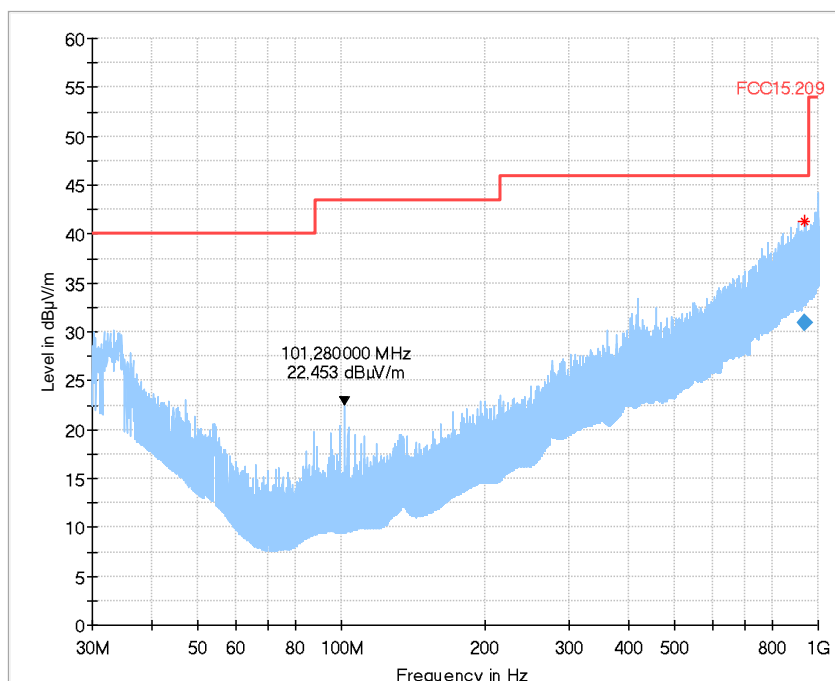
Operator: TFr
 Operating conditions: Humidity: 48%rH; Temperature: 20°C
 Comment 1: EUT laying

EUT Information

Manufacturer: -Datalogic S.r.l.
 Model: -JOYA TOUCH Android
 Type: -

EUT: -
 HW version: -Beta
 SW version: -20.12
 SVN: -tbd
 Config: -
 Serial number: -Z17PO1191
 Connected Interfaces: -
 Power Supply: -
 Comments: -

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)
938.564000	30.98	46.00	15.02	1000.0	120.000	321.0	V	309.0	27.0

1.5. Radiated electric field measurement 1 GHz to 18 GHz

4.01_n20-mode_MCS2_ch01

Common Information

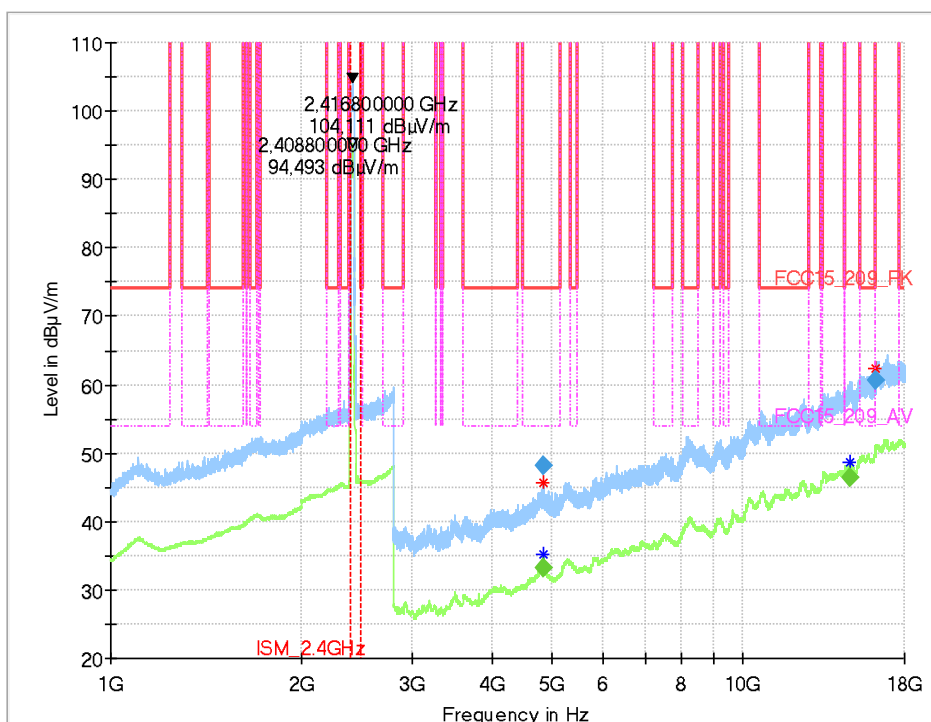
Test Description: Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
 Antenna polarisation: horizontal/vertical

Operation mode: n20-mode | MCS2| ch01| pwr 12.5
 Operator Name: SLo

EUT Information

Manufacturer: -Datalogic S.r.l.
 Model: -JOYA TOUCH Android
 Type: -

EUT: -
 HW version: -Beta
 SW version: -20.12
 SVN: -tbd
 Config: -
 Serial number: -Z17PO1191
 Connected Interfaces: -
 Power Supply: -
 Comments: -



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr (dB)
4822.810000	---	33.27	54.00	20.73	155.0	H	187.0	90.0	4.8
4825.290000	48.21	---	74.00	25.79	155.0	V	264.0	0.0	4.8
14748.210000	---	46.31	150.00	103.69	155.0	H	-4.0	90.0	23.5
16223.170000	60.56	---	150.00	89.44	155.0	V	135.0	90.0	25.2

4.02_g-mode_18Mbit_ch06

Common Information

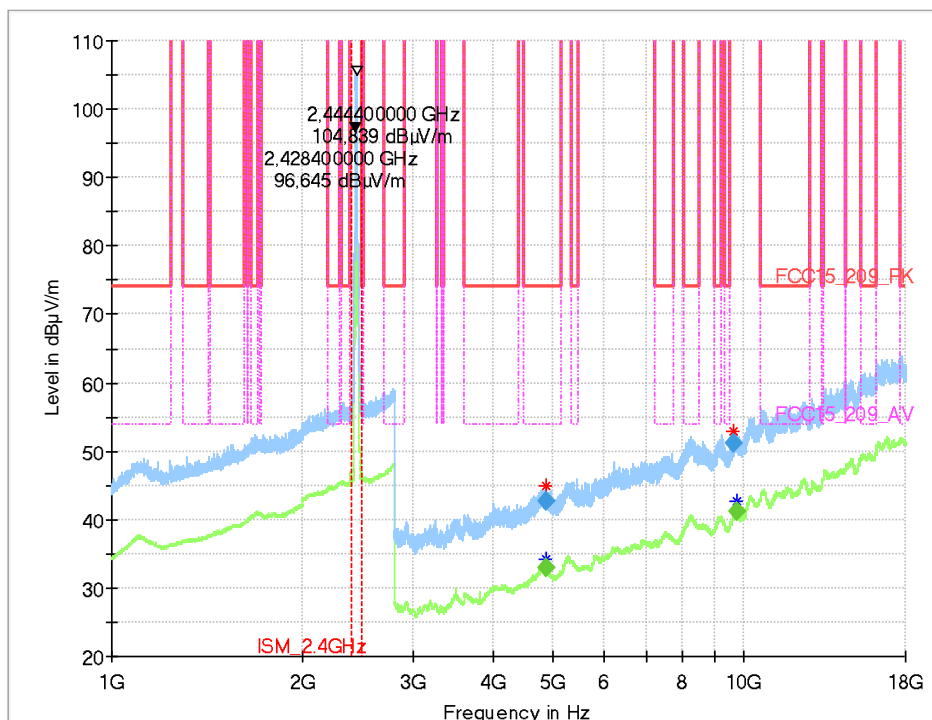
Test Description: Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
 Antenna polarisation: horizontal/vertical

Operation mode: g-mode | 18Mbit | ch06 | PWR15
 Operator Name: SLo

EUT Information

Manufacturer: -Datalogic S.r.l.
 Model: -JOYA TOUCH Android
 Type: -

 EUT: -
 HW version: -Beta
 SW version: -20.12
 SVN: -tbd
 Config: -
 Serial number: -Z17PO1191
 Connected Interfaces: -
 Power Supply: -
 Comments: -



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margi n (dB)	Heigh t (cm)	Pol	Azimut h (deg)	Elevatio n (deg)	Corr (dB)
4866.810000	42.75	---	74.00	31.25	155.0	H	73.0	90.0	4.7
4870.250000	---	33.01	54.00	20.99	155.0	V	190.0	0.0	4.7
9637.690000	51.23	---	150.00	98.77	155.0	V	287.0	0.0	14.7
9748.090000	---	41.19	150.00	108.81	155.0	H	227.0	90.0	14.8

4.03c_b-mode_2Mbit_ch11

Common Information

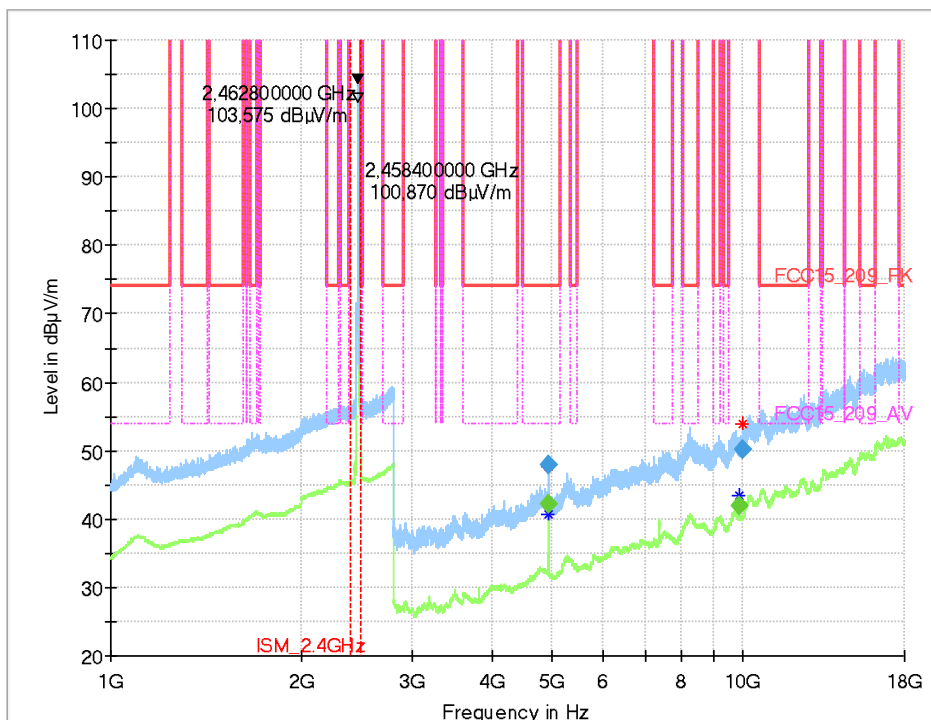
Test Description: Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
 Test Site: CETECOM GmbH Essen
 Test Standard: FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
 Antenna polarisation: horizontal/vertical

Operation mode: b-mode | 2Mbit | ch11 | PWR 16
 Operator Name: SLo

EUT Information

Manufacturer: -Datalogic S.r.l.
 Model: -JOYA TOUCH Android
 Type: -

 EUT: -
 HW version: -Beta
 SW version: -20.12
 SVN: -tbd
 Config: -
 Serial number: -Z17PO1191
 Connected Interfaces: -
 Power Supply: -
 Comments: -



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr (dB)
4924.010000	---	42.11	54.00	11.89	155.0	V	310.0	0.0	4.5
4924.050000	47.93	---	74.00	26.07	155.0	H	224.0	0.0	4.5
9848.050000	---	41.89	150.00	108.11	155.0	H	225.0	90.0	14.4
9991.370000	50.23	---	150.00	99.77	155.0	V	126.0	0.0	14.9

1.6. Radiated electric field measurement 18 GHz to 26.5 GHz

Diagram No.: 4.01c_n20-mode_MCS2_ch01

Common Information

Test Description:	Radiated Field Strength Emissions Emissions in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	n20-mode MCS2 ch01 pwr 12.5
Operator Name:	TFR

EUT Information

Manufacturer:	-Datalogic S.r.l.
Model:	-JOYA TOUCH Android
Type:	-

EUT:	-
HW version:	-Beta
SW version:	-20.12
SVN:	-tbd
Config:	-
Serial number:	-Z17PO1191
Connected Interfaces:	-
Power Supply:	-
Comments:	-

FCC_Sweep_15.247_18_25GHz_Pre

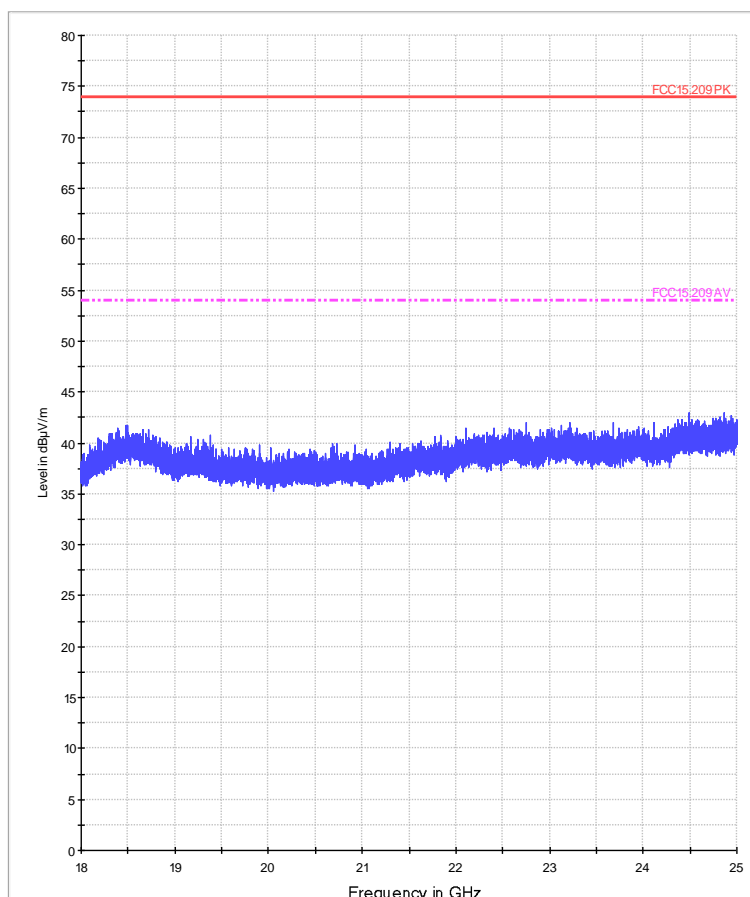


Diagram No.: 4.02c_g-mode_18Mbit_ch06

Common Information

Test Description:	Radiated Field Strength Emissions Emissions in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	g-mode 18Mbit ch06 PWR15
Operator Name:	TFR

EUT Information

Manufacturer:	-Datalogic S.r.l.
Model:	-JOYA TOUCH Android
Type:	-

EUT:	-
HW version:	-Beta
SW version:	-20.12
SVN:	-tbd
Config:	-
Serial number:	-Z17PO1191
Connected Interfaces:	-
Power Supply:	-
Comments:	-

FCC_Sweep_15.247_18_25GHz_Pre

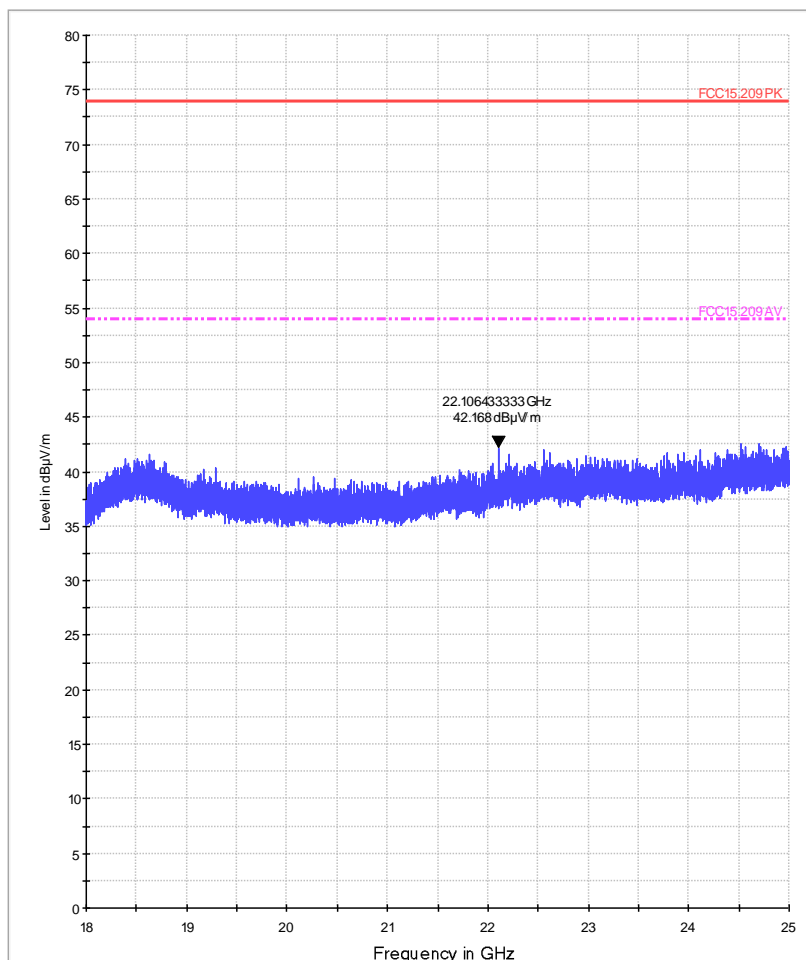


Diagram No.: 4.03c_b-mode_2Mbit_ch11

Common Information

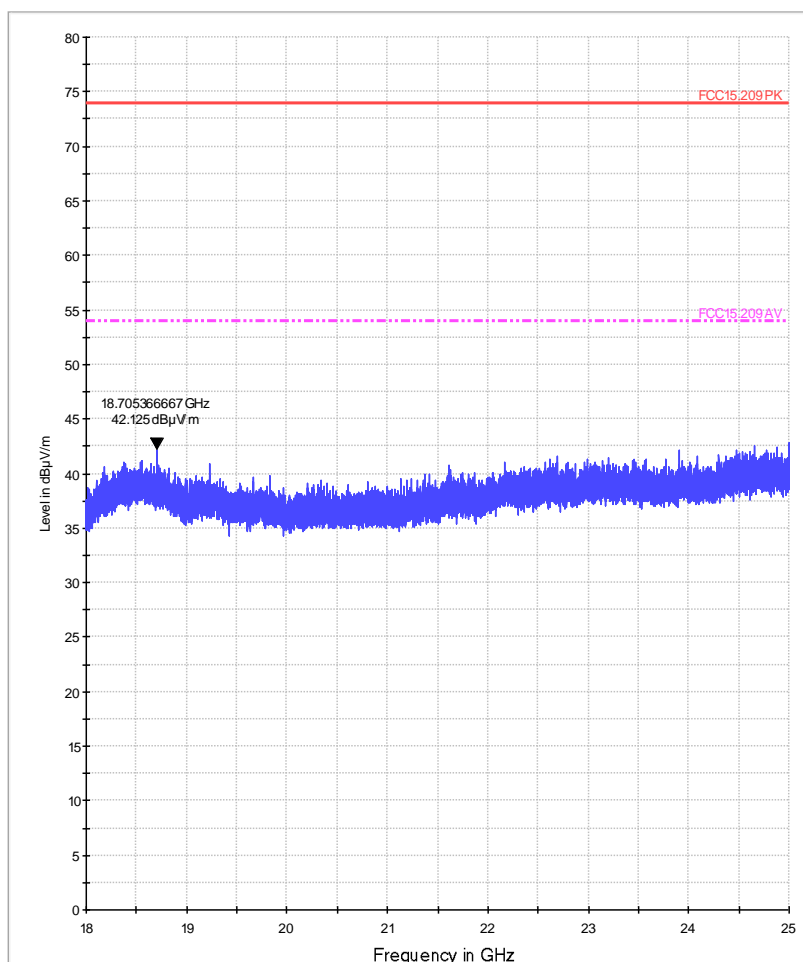
Test Description:	Radiated Field Strength Emissions Emissions in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	b-mode 2Mbit ch11 PWR 16
Operator Name:	TFr

EUT Information

Manufacturer:	-Datalogic S.r.l.
Model:	-JOYA TOUCH Android
Type:	-

EUT:	-
HW version:	-Beta
SW version:	-20.12
SVN:	-tbd
Config:	-
Serial number:	-Z17PO1191
Connected Interfaces:	-
Power Supply:	-
Comments:	-

FCC_Sweep_15.247_18_25GHz_Pre



1.7. Low Band edge compliance

9.01a_n20-mode_MCS2_ch01

Common Information

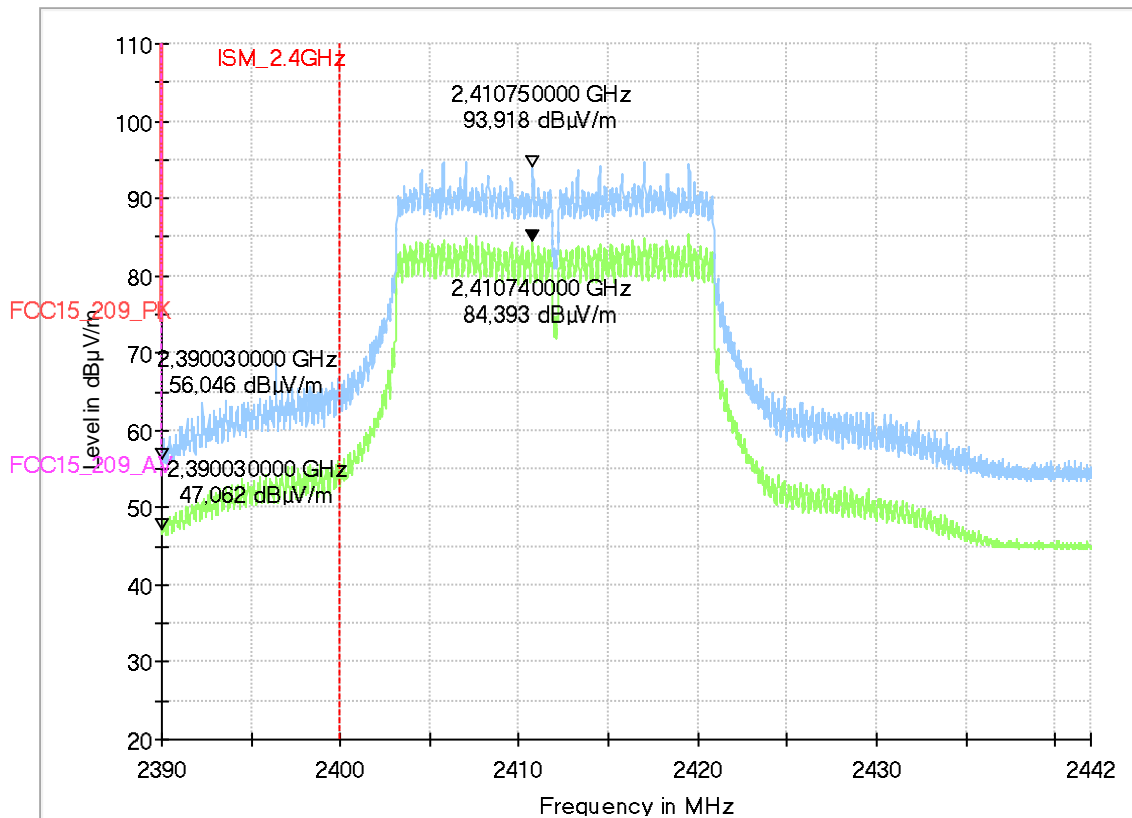
Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operation mode:	n20-mode MCS2 ch01 pwr 12.5
Operator Name:	Mbe
Comment:	Channel no. low

EUT Information

Manufacturer:	-Datalogic S.r.l.
Model:	-JOYA TOUCH Android
Type:	-

EUT:	-
HW version:	-Beta
SW version:	-20.12
SVN:	-tbd
Config:	-
Serial number:	-Z17PO1191
Connected Interfaces:	-
Power Supply:	-
Comments:	-

Full Spectrum



9.02a_g-mode_18Mbit_ch01

Common Information

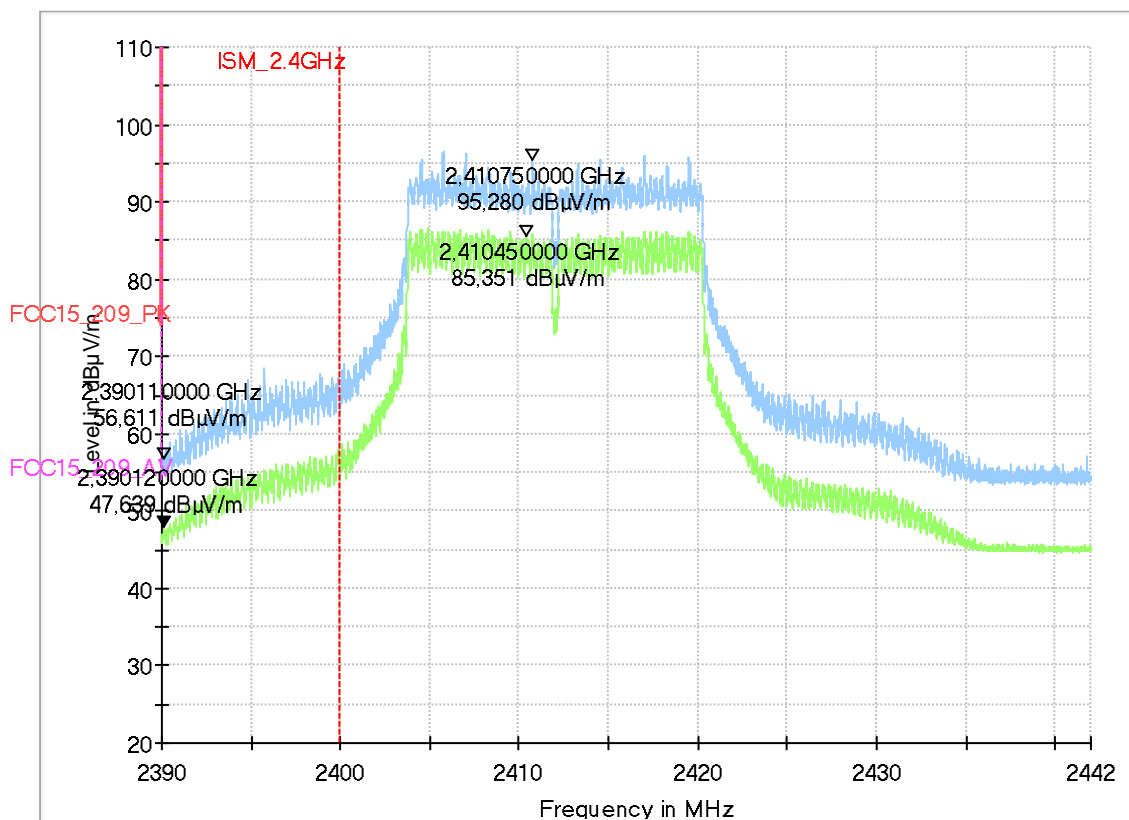
Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operation mode:	g-mode 18Mbit ch01 PWR12.5
Operator Name:	Mbe
Comment:	Channel no. low

EUT Information

Manufacturer:	-Datalogic S.r.l.
Model:	-JOYA TOUCH Android
Type:	-

EUT:	-
HW version:	-Beta
SW version:	-20.12
SVN:	-tbd
Config:	-
Serial number:	-Z17PO1191
Connected Interfaces:	-
Power Supply:	-
Comments:	-

Full Spectrum



9.03a_b-mode_2Mbit_ch01

Common Information

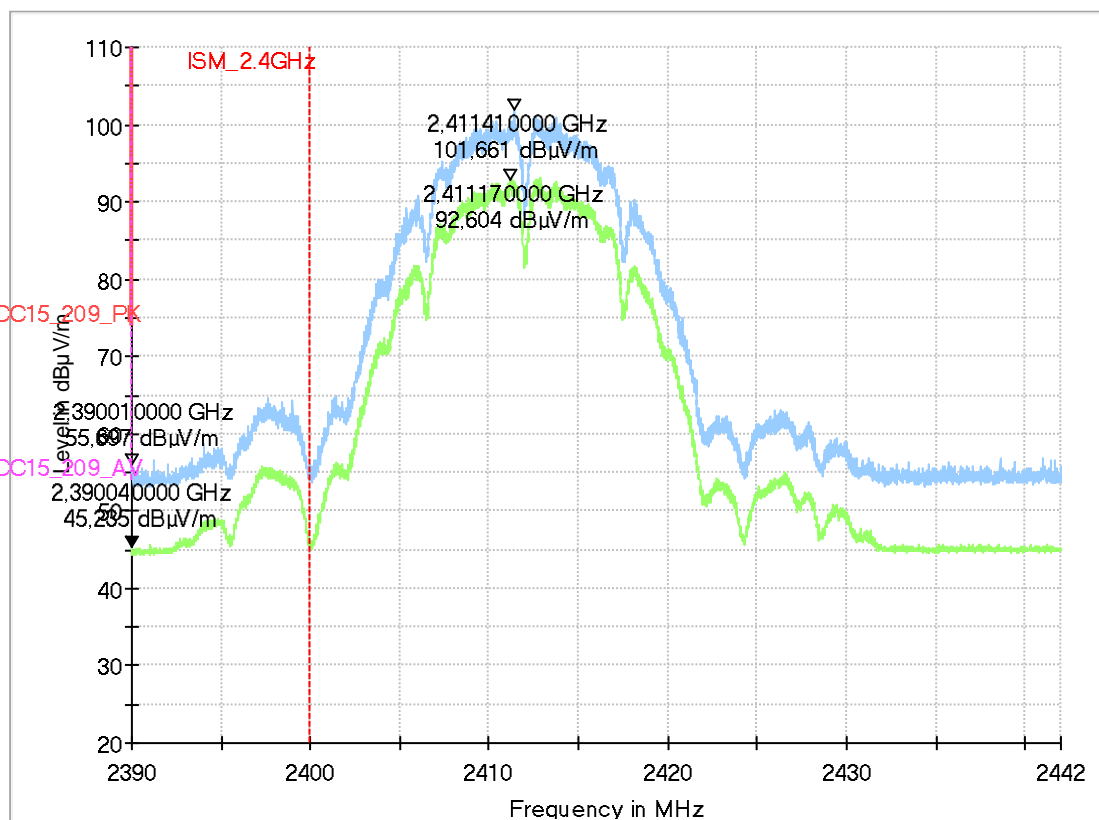
Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operation mode:	b-mode 2Mbit ch01 PWR 16
Operator Name:	Mbe
Comment:	Channel no. low

EUT Information

Manufacturer:	-Datalogic S.r.l.
Model:	-JOYA TOUCH Android
Type:	-

EUT:	-
HW version:	-Beta
SW version:	-20.12
SVN:	-tbd
Config:	-
Serial number:	-Z17PO1191
Connected Interfaces:	-
Power Supply:	-
Comments:	-

Full Spectrum



1.8. High Band edge compliance

9.01b_n20-mode_MCS2_ch11

Common Information

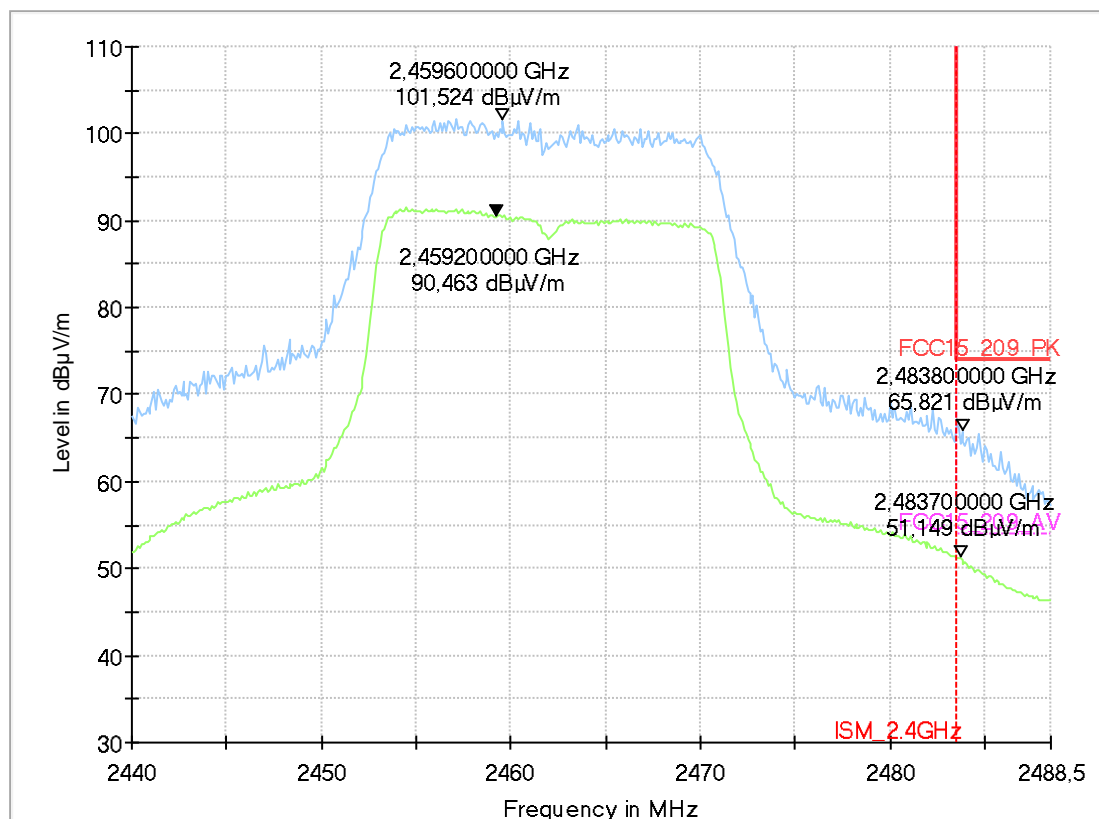
Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operation mode:	n20-mode MCS2 ch11 PWR 9.5
Operator Name:	MBe
Comment:	Channel high

EUT Information

Manufacturer:	-Datalogic S.r.l.
Model:	-JOYA TOUCH Android
Type:	-

EUT:	-
HW version:	-Beta
SW version:	-20.12
SVN:	-tbd
Config:	-
Serial number:	-Z17PO1191
Connected Interfaces:	-
Power Supply:	-
Comments:	-

Full Spectrum



9.02b_g-mode_18Mbit_ch11

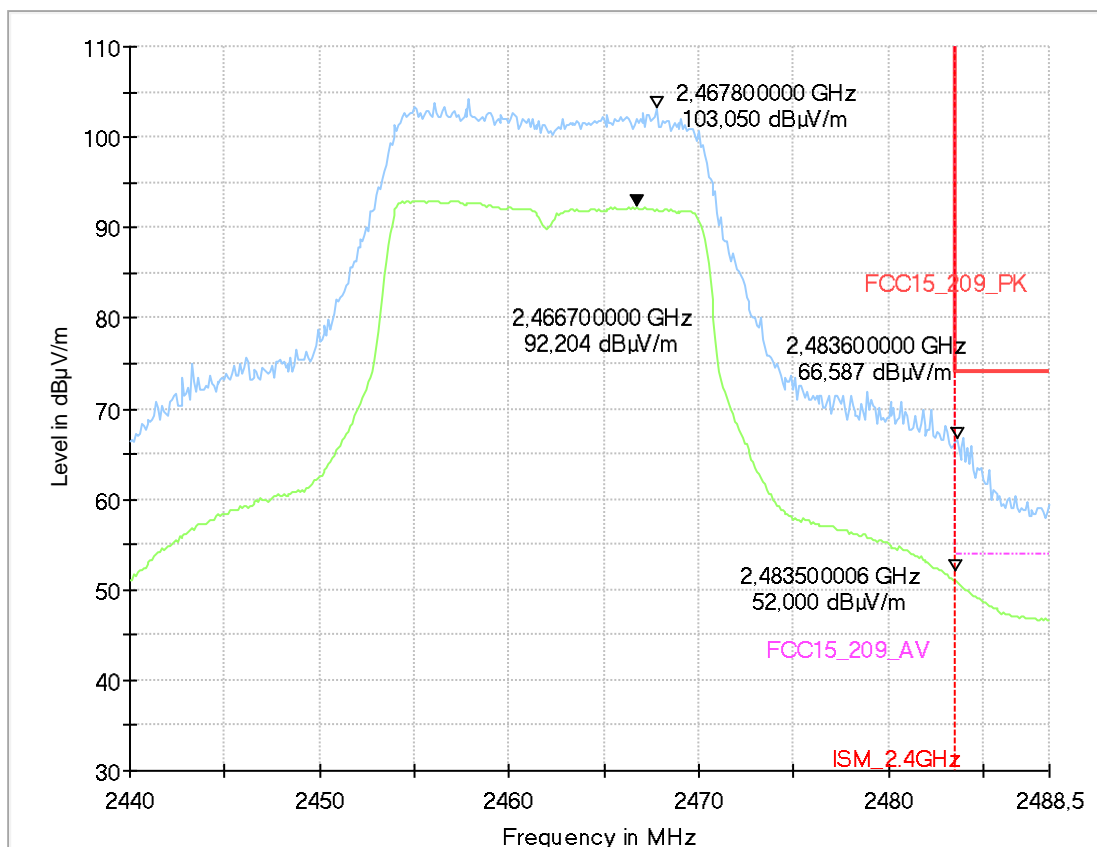
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operation mode:	WLAN 802.11g-mode, continously tx on channel 11; Data rate 18 Mbps
Operator Name:	Klv
Comment:	Channel no. 11

EUT Information

Manufacturer:	-Datalogic S.r.l.
Model:	-JOYA TOUCH Android
Type:	-

EUT:	-
HW version:	-Beta
SW version:	-20.12
SVN:	-tbd
Config:	-
Serial number:	-Z17PO1191
Connected Interfaces:	-
Power Supply:	-
Comments:	-



9.03b_b-mode_2Mbit_ch11

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operation mode:	b-mode 2Mbit ch11 PWR 16
Operator Name:	MBe
Comment:	Channel high

EUT Information

Manufacturer:	-Datalogic S.r.l.
Model:	-JOYA TOUCH Android
Type:	-

EUT:	-
HW version:	-Beta
SW version:	-20.12
SVN:	-20.12
Config:	-
Serial number:	-Z17PO1191
Connected Interfaces:	-
Power Supply:	-
Comments:	-

Full Spectrum

