

Annex 1: Measurement results
to
PARTIAL TEST REPORT
No.: 6-0542-13-3-3d

According to:

FCC Part 15.247

for

Bosch Security Systems BV

DCNM-WDE
DICENTIS Wireless Device Extended
FCC-ID: UX8-DCNMWDE







Laboratory Accreditation and Listings			
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1. Measurement results

1.1. Conducted EMI measurements on AC-mains port according 15.207

Not applicable because not possibility to connect to AC-mains. Use of rechargeable batteries, but they will be charged separately within special AC/DC cradle

1.2. Radiated field strength measurements accord. §15.209&15.205

1.3. Magnetic field measurements $f < 30\text{MHz}$

1.3.1. 2.4 GHz Mode

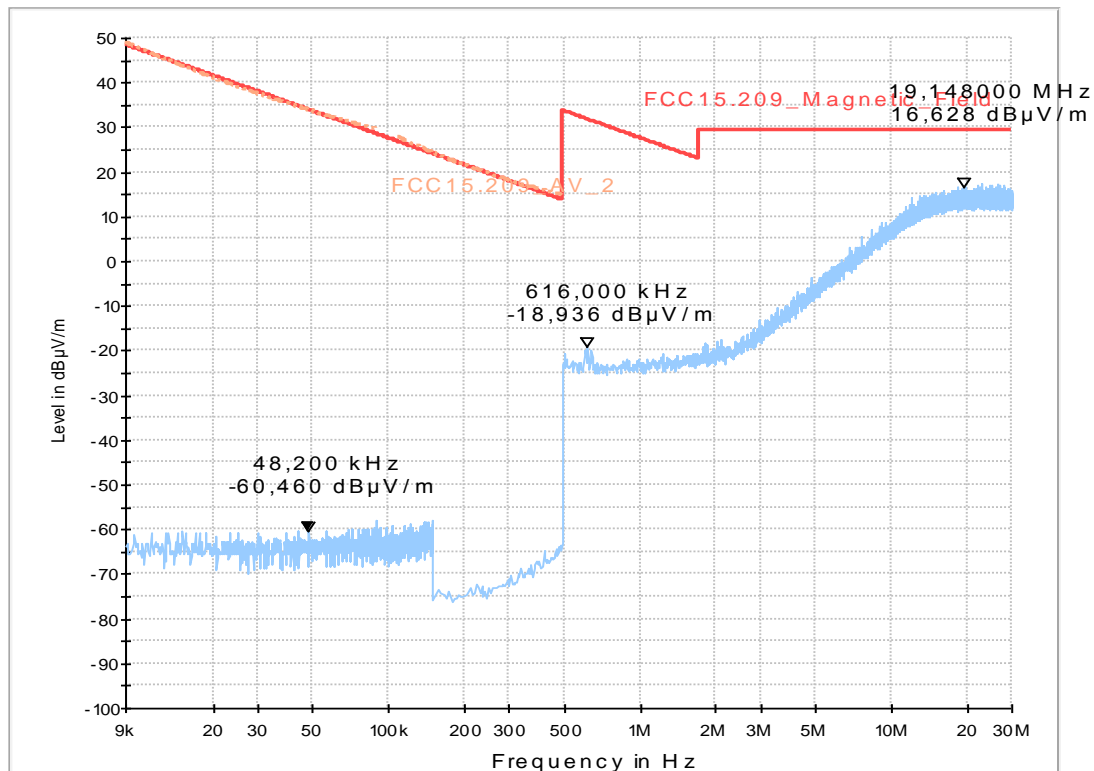
Diagram No. 2.02_TX_Ch6_HT20_MCS8

Test description:	Date: 20.01.2015 Page 1 of 2
Test site and distance:	Magnetic Field Strength Measurement related to 30/300 m distance
Version of Testsoftware:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Distance correction:	EMC32 V8.51.0
Technical Data:	used accord. table, pls. see test report
Rec. antenna (pre-scan):	Please see page 2 for detailed data of measurement setup
Used filter:	height 1.00 m, parallel and 90° to EUT polarisation
Test specification:	bypass
	FCC 15.205 § 15.209
Operator:	Lor
Operating conditions:	TX-on , continuous, modulation on, Channel 6
Power during tests:	full loaded batteries
Comment 1:	Channel middle=2437MHz

EUT Information

Manufacturer:	Bosch Security
EuT:	DCNM-WDE
Serial Number:	00:1C:44:01:5C:44
Connected Interfaces:	2 headsets + long microphone (50cm)
Power Supply:	7.5V nominal

FCC15.209_magn hor+vert



1.3.2. 5 GHz Mode

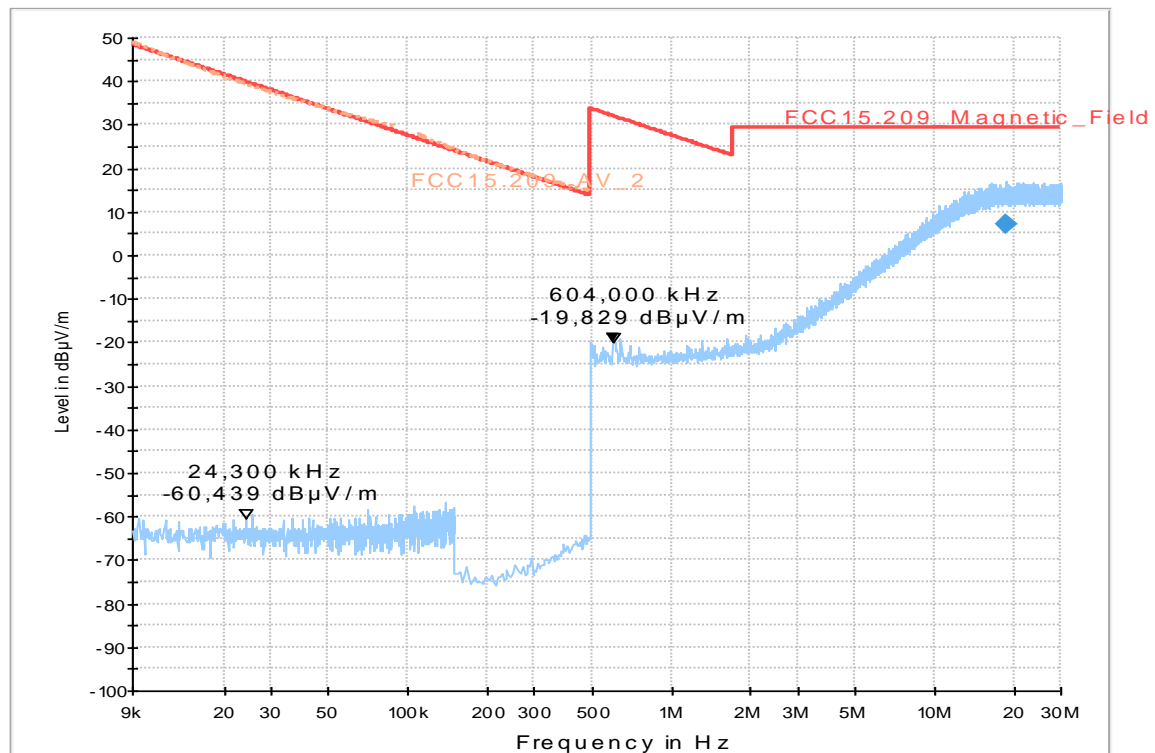
Diagram No. 2.04_TX_Ch157_HT20_MCS8

Date: 20.01.2015 Page 1 of 3
 Test description: Magnetic Field Strength Measurement related to 30/300 m distance
 Test site and distance: Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
 Version of Testsoftware: EMC32 V8.51.0
 Distance correction: used accord. table, pls. see test report
 Technical Data: Please see page 2 for detailed data of measurement setup
 Rec. antenna (pre-scan): height 1.00 m, parallel and 90° to EUT polarisation
 Used filter: bypass
 Test specification: FCC 15.205 § 15.209
 Operator: Lor
 Operating conditions: TX-on , continuous, modulation on, Channel 157
 Power during tests: full loaded batteries
 Comment 1: Channel middle=5785MHz

EUT Information

Manufacturer: Bosch Security
 EuT: DCNM-WDE
 Serial Number: 00:1C:44:01:5C:44
 Connected Interfaces: 2 headsets+long microphone (50cm)
 Power Supply: 7.5V nominal

FCC 15.209_magn hor+vert



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
18.768000	7.2	1000.0	10.000	V	32.0	3.2	22.40	29.50

1.4. Field strength measurements 30MHz <f <1GHz

1.4.1. 2.4GHz Mode

Diagram No. 4.08a_TX_Ch6_HT20_MCS8

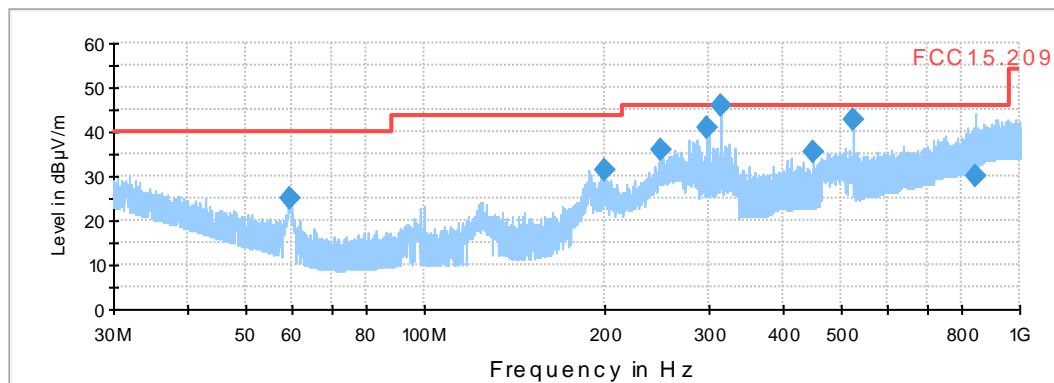
12.12.2014 Page 1 of 2
 Test description: Electric Field Strength Measurement
 Test site and distance: Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
 Version of Testsoftware: EMC32 V8.51.0
 Distance correction: not used
 Used filter: not used
 Technical Data: please see page 2 for detailed data of measurement setup
 Test specification.: FCC 15.209

Operator: KRe
 Operating conditions: WLAN, TX channel 6, MCS8
 Power during tests: 7,5 V nominal
 Comment 1: --

EUT Information

Manufacturer: Bosch Security
 EuT: DCNM-WDE
 Serial Number: 00:1C:44:01:5C:44
 Connected Interfaces: 2 headsets+long microphone (50cm)
 Power Supply: 7.5V nominal

01_FCC15.209_hor+vert_KP0



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
59.270000	25.1	1000.0	120.000	274.0	H	303.0	10.1	14.90	40.00
200.010000	31.5	1000.0	120.000	142.0	H	254.0	11.8	12.00	43.50
250.010000	35.9	1000.0	120.000	105.0	H	276.0	13.3	10.10	46.00
297.280000	40.9	1000.0	120.000	105.0	H	96.0	15.2	5.10	46.00
315.310000	45.7	1000.0	120.000	105.0	H	95.0	15.6	0.30	46.00
449.980000	35.5	1000.0	120.000	200.0	H	99.0	19.4	10.50	46.00
524.990000	42.7	1000.0	120.000	182.0	H	20.0	20.8	3.30	46.00
842.110000	30.2	1000.0	120.000	165.0	H	49.0	26.0	15.80	46.00

Remark: 315.31MHz not contained within §15.205

1.4.2. 5GHz Mode

Diagram No. 4.06a_TX_Ch157_HT20_MCS8

12.12.2014 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 V8.51.0
 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

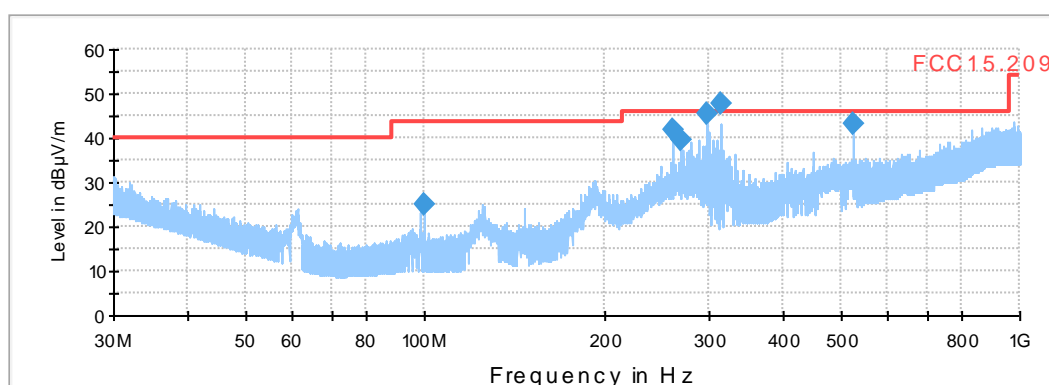
Operator: KRe
 Operating conditions: WLAN, TX channel 157, MCS8
 Power during tests: 7,5 V nominal
 Comment 1:

EUT Information

Manufacturer: Bosch Security
 EuT: DCNM-WDE

Serial Number: 00:1C:44:01:5C:44
 Connected Interfaces: 2 headsets+long microphone (50cm)
 Power Supply: 7.5V nominal

01_FCC15.209_hor+vert_KP0



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Remarks:
99.990000	25.1	1000.0	120.000	192.0	H	71.0	8.6	18.40	43.50	
261.240000	41.9	1000.0	120.000	142.0	V	342.0	13.9	4.10	46.00	
270.270000	39.6	1000.0	120.000	149.0	V	329.0	14.8	6.40	46.00	
297.290000	45.4	1000.0	120.000	105.0	H	277.0	15.2	0.60	46.00	frequencies not contained within §15.205
315.320000	47.8	1000.0	120.000	105.0	H	262.0	15.6	-1.80	46.00	
525.000000	43.0	1000.0	120.000	174.0	H	186.0	20.8	3.00	46.00	

1.5. Field strength measurements $f > 1\text{GHz}$

1.5.1. 2.4GHz Mode, channel 6

Diagram No. 4.08a_TX_Ch6_HT20_MCS8

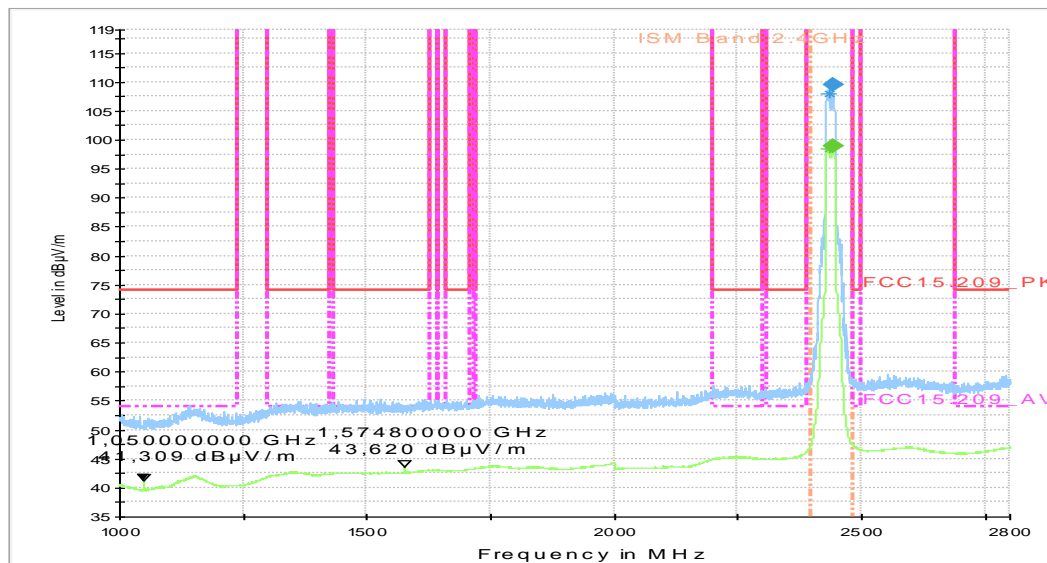
19.03.2015 Page 1 of 3
 Test description: Electric Field Strength Measurement
 Test site and distance: Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
 Version of Testsoftware: EMC32 V8.51.0
 Distance correction: not used
 Used filter: not used
 Technical Data: please see page 2 for detailed data of measurement setup
 Test specification.: FCC 15.209/15.205/15.247

Operator: Lor
 Operating conditions: continuous TX Channel 6, MCS8
 Power during tests: full battery
 Comment 1: EUT standing (defined normal position)

EUT Information

Manufacturer: Bosch Security
 EuT: DCNM-WDE
 Serial Number: 00:1C:44:01:5C:44
 Connected Interfaces: 2 headsets long microphone (50cm)
 Power Supply: 7.5V nominal

02_FCC15.247_Sweep1_1-2.8GHz_5ms_noKipp



Final Result 1

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Limit (dBµV/m)
2441.400000	109.5	100.0	1000.000	100.0	H	191.0	0.0	27.0	130.00

Final Result 2

Frequency (MHz)	AV (dBµV/m)	Meas. Time	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)
2441.800000	98.8	100.0	1000.000	100.0	H	189.0	0.0	27.0	31.20

(continuation of the "Final Result 2" table from column 10 ...)

Frequency (MHz)	Limit (dBµV/m)
2441.800000	130.00

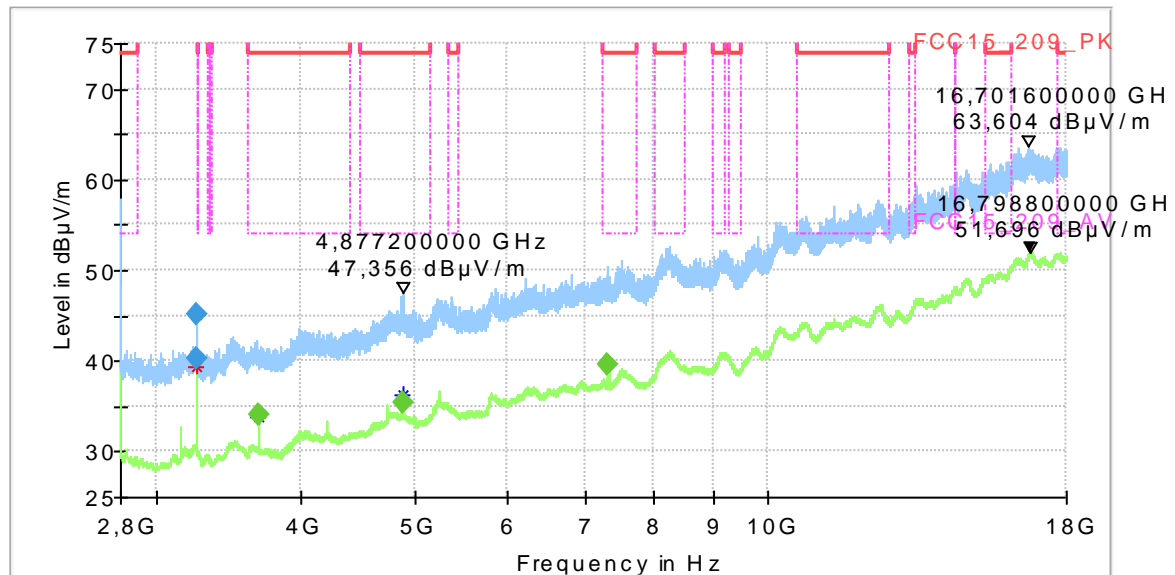
Diagram No.: 4.08b_TX_Ch6_HT20_MCS8

Common Information

Test Description:	Radiated Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.209/15.205/15.247
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous
Operator Name:	Lor
Comment:	Channel no.:6 =2437MHz, HT20, MCS8

EUT Information

Manufacturer:	Bosch Security
EuT:	DCNM-WDE
Serial Number:	00:1C:44:01:5C:44
Connected Interfaces:	2 headsets
Power Supply:	7.5V nominal
Comments:	Microphone 50cm (long) @cetecom2



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	AV (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)
3249.290000	45.24	---	150.00	104.76	100.0	1000.000	155.0	H	273.0	90.0
3251.050000	40.29	---	150.00	109.71	100.0	1000.000	155.0	V	303.0	0.0
3674.970000	---	34.18	54.00	19.82	100.0	1000.000	155.0	V	132.0	0.0
4872.730000	---	35.40	54.00	18.60	100.0	1000.000	155.0	V	94.0	90.0
7309.690000	---	39.68	54.00	14.32	100.0	1000.000	155.0	V	38.0	90.0

(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Correction	Comment
3249.290000	-0.3	09:03:16 - 12.12.2014
3251.050000	-0.3	09:05:07 - 12.12.2014
3674.970000	0.4	09:12:11 - 12.12.2014
4872.730000	4.7	09:09:58 - 12.12.2014
7309.690000	10.1	09:07:21 - 12.12.2014

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	AV (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)
3249.290000	45.24	---	150.00	104.76	100.0	1000.000	155.0	H	273.0	90.0
3251.050000	40.29	---	150.00	109.71	100.0	1000.000	155.0	V	303.0	0.0
3674.970000	---	34.18	54.00	19.82	100.0	1000.000	155.0	V	132.0	0.0
4872.730000	---	35.40	54.00	18.60	100.0	1000.000	155.0	V	94.0	90.0
7309.690000	---	39.68	54.00	14.32	100.0	1000.000	155.0	V	38.0	90.0

(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Correction	Comment
3249.290000	-0.3	09:03:16 - 12.12.2014
3251.050000	-0.3	09:05:07 - 12.12.2014
3674.970000	0.4	09:12:11 - 12.12.2014
4872.730000	4.7	09:09:58 - 12.12.2014
7309.690000	10.1	09:07:21 - 12.12.2014

Diagram No.: 4.08c_TX_Ch6_HT20_MCS8

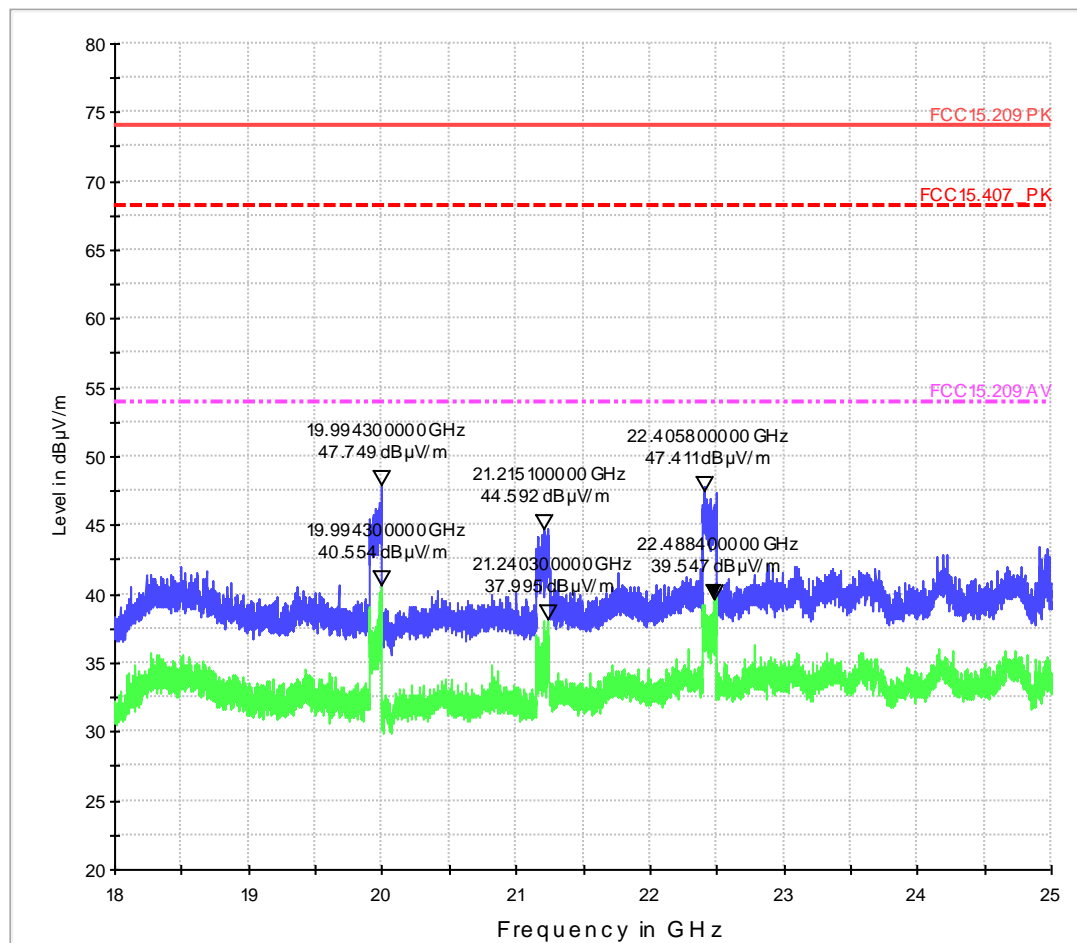
Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.209/15.205/15.247
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:	TX mode continuous
Operator Name:	Lor
Comment:	Channel no. middle=6 (2437MHz)

EUT Information

Manufacturer:	Bosch Security
EuT:	DCNM-WDE
Serial Number:	00:1C:44:01:5C:44
Connected Interfaces:	2 headsets, long microphone 50cm
Power Supply:	7.5V nominal

FCC_Sweep_15.407_18_40GHz_Pre



1.5.2. 5GHz Mode Ch 157

Diagram No.: 4.06b_Tx_Ch157_HT20_MSC8

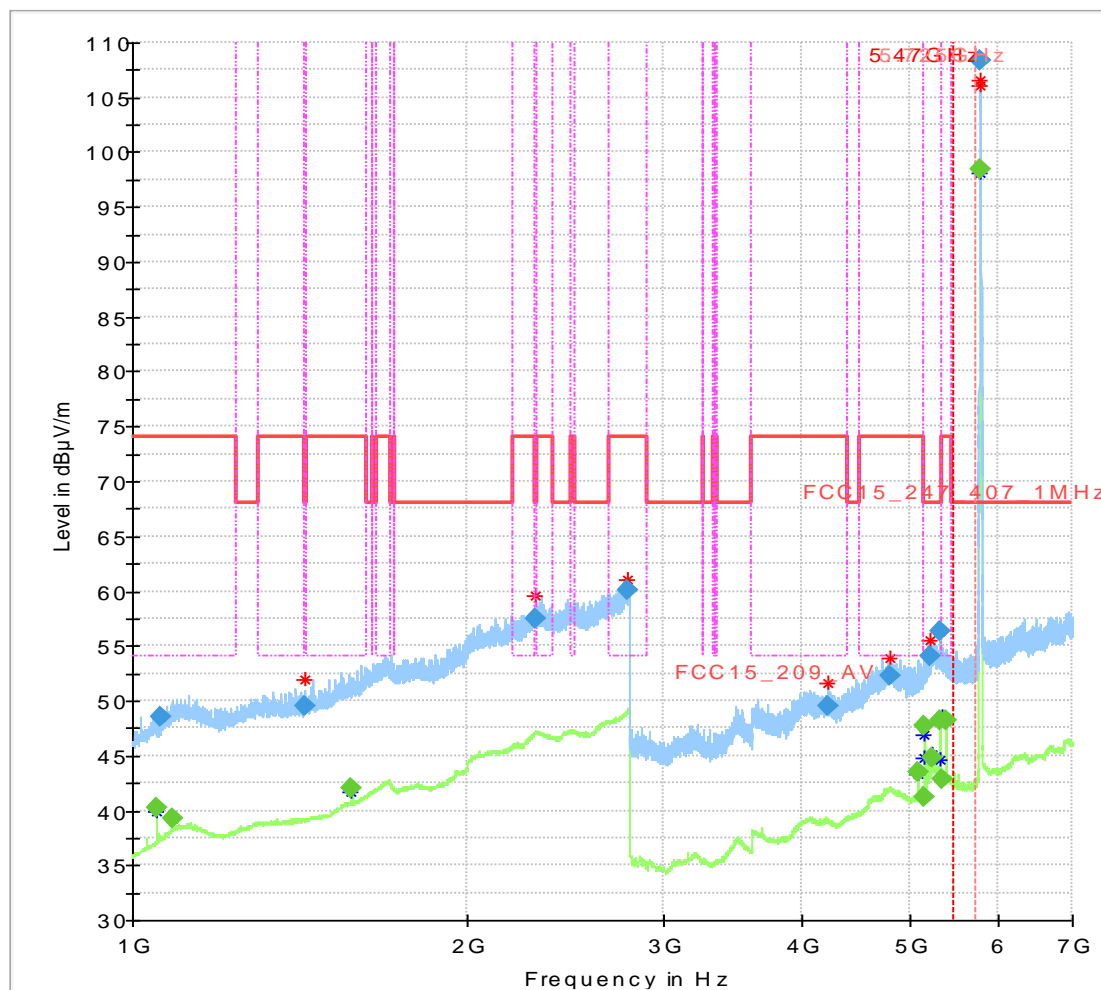
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.209/15.205/15.247
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous
Operator Name:	Lor
Comment:	Channel no.: 157, HT20, MCS8

EUT Information

Manufacturer:	Bosch Security
EuT:	DCNM-WDE
Serial Number:	00:1C:44:01:5C:44
Connected Interfaces:	2 headsets
Power Supply:	7.5V nominal
Comments:	Microphone 50cm (long) @cetecom2

Full Spectrum



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	AV (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)
1050.000000	---	40.27	54.00	13.73	100.0	1000.000	155.0	H	11.0	90.0
1059.750000	48.59	---	74.00	25.41	100.0	1000.000	155.0	V	276.0	0.0
1084.800000	---	39.30	54.00	14.70	100.0	1000.000	155.0	H	125.0	90.0
1428.300000	49.51	---	68.00	18.49	100.0	1000.000	155.0	H	127.0	0.0
1574.950000	---	42.00	54.00	12.00	100.0	1000.000	155.0	V	259.0	90.0
2300.550000	57.48	---	68.00	10.52	100.0	1000.000	155.0	V	135.0	0.0
2790.850000	60.06	---	74.00	13.94	100.0	1000.000	155.0	V	171.0	0.0
4221.600000	49.56	---	74.00	24.44	100.0	1000.000	155.0	H	324.0	0.0
4793.950000	52.26	---	74.00	21.74	100.0	1000.000	155.0	V	97.0	0.0
5080.000000	---	43.47	54.00	10.53	100.0	1000.000	155.0	V	28.0	90.0
5149.750000	---	41.29	54.00	12.71	100.0	1000.000	155.0	V	12.0	90.0
5160.000000	---	47.67	150.00	102.33	100.0	1000.000	155.0	V	12.0	90.0
5219.000000	53.99	---	68.00	14.01	100.0	1000.000	155.0	H	173.0	0.0
5240.000000	---	44.86	150.00	105.14	100.0	1000.000	155.0	V	0.0	90.0
5320.000000	---	48.29	150.00	101.71	100.0	1000.000	155.0	V	41.0	90.0
5320.000000	56.40	---	68.00	11.60	100.0	1000.000	155.0	V	2.0	90.0
5350.500000	---	42.84	54.00	11.16	100.0	1000.000	155.0	V	17.0	90.0
5400.000000	---	48.21	54.00	5.79	100.0	1000.000	155.0	V	14.0	90.0
5780.050000	108.40	---	68.00	-40.40	100.0	1000.000	155.0	V	39.0	90.0
5783.100000	108.40	---	68.00	-40.40	100.0	1000.000	155.0	V	28.0	90.0
5790.100000	---	98.47	150.00	51.53	100.0	1000.000	155.0	V	34.0	90.0

(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr.	Comment
1050.000000	32.9	17:37:03 - 11.12.2014
1059.750000	33.1	17:35:13 - 11.12.2014
1084.800000	33.8	17:38:25 - 11.12.2014
1428.300000	35.3	17:32:28 - 11.12.2014
1574.950000	36.8	17:40:02 - 11.12.2014
2300.550000	41.8	17:31:06 - 11.12.2014
2790.850000	44.0	17:33:47 - 11.12.2014
4221.600000	7.8	18:18:09 - 11.12.2014
4793.950000	10.9	18:16:29 - 11.12.2014
5080.000000	10.2	18:26:16 - 11.12.2014
5149.750000	10.8	18:20:05 - 11.12.2014
5160.000000	11.0	18:21:18 - 11.12.2014
5219.000000	12.3	18:14:58 - 11.12.2014
5240.000000	12.6	18:22:33 - 11.12.2014
5320.000000	12.4	18:23:42 - 11.12.2014
5320.000000	12.4	18:10:52 - 11.12.2014
5350.500000	12.2	18:24:59 - 11.12.2014
5400.000000	11.7	18:27:35 - 11.12.2014
5780.050000	12.8	18:13:25 - 11.12.2014
5783.100000	12.9	18:12:10 - 11.12.2014
5790.100000	13.1	18:28:53 - 11.12.2014

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	AV (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)
1050.000000	---	40.27	54.00	13.73	100.0	1000.000	155.0	H	11.0	90.0
1059.750000	48.59	---	74.00	25.41	100.0	1000.000	155.0	V	276.0	0.0
1084.800000	---	39.30	54.00	14.70	100.0	1000.000	155.0	H	125.0	90.0
1428.300000	49.51	---	68.00	18.49	100.0	1000.000	155.0	H	127.0	0.0
1574.950000	---	42.00	54.00	12.00	100.0	1000.000	155.0	V	259.0	90.0
2300.550000	57.48	---	68.00	10.52	100.0	1000.000	155.0	V	135.0	0.0
2790.850000	60.06	---	74.00	13.94	100.0	1000.000	155.0	V	171.0	0.0
4221.600000	49.56	---	74.00	24.44	100.0	1000.000	155.0	H	324.0	0.0
4793.950000	52.26	---	74.00	21.74	100.0	1000.000	155.0	V	97.0	0.0
5080.000000	---	43.47	54.00	10.53	100.0	1000.000	155.0	V	28.0	90.0
5149.750000	---	41.29	54.00	12.71	100.0	1000.000	155.0	V	12.0	90.0
5160.000000	---	47.67	150.00	102.33	100.0	1000.000	155.0	V	12.0	90.0
5219.000000	53.99	---	68.00	14.01	100.0	1000.000	155.0	H	173.0	0.0
5240.000000	---	44.86	150.00	105.14	100.0	1000.000	155.0	V	0.0	90.0
5320.000000	---	48.29	150.00	101.71	100.0	1000.000	155.0	V	41.0	90.0
5320.000000	56.40	---	68.00	11.60	100.0	1000.000	155.0	V	2.0	90.0
5350.500000	---	42.84	54.00	11.16	100.0	1000.000	155.0	V	17.0	90.0
5400.000000	---	48.21	54.00	5.79	100.0	1000.000	155.0	V	14.0	90.0
5780.050000	108.40	---	68.00	-40.40	100.0	1000.000	155.0	V	39.0	90.0
5783.100000	108.40	---	68.00	-40.40	100.0	1000.000	155.0	V	28.0	90.0
5790.100000	---	98.47	150.00	51.53	100.0	1000.000	155.0	V	34.0	90.0

(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr.	Comment
1050.000000	32.9	17:37:03 - 11.12.2014
1059.750000	33.1	17:35:13 - 11.12.2014
1084.800000	33.8	17:38:25 - 11.12.2014
1428.300000	35.3	17:32:28 - 11.12.2014
1574.950000	36.8	17:40:02 - 11.12.2014
2300.550000	41.8	17:31:06 - 11.12.2014
2790.850000	44.0	17:33:47 - 11.12.2014
4221.600000	7.8	18:18:09 - 11.12.2014
4793.950000	10.9	18:16:29 - 11.12.2014
5080.000000	10.2	18:26:16 - 11.12.2014
5149.750000	10.8	18:20:05 - 11.12.2014
5160.000000	11.0	18:21:18 - 11.12.2014
5219.000000	12.3	18:14:58 - 11.12.2014
5240.000000	12.6	18:22:33 - 11.12.2014
5320.000000	12.4	18:23:42 - 11.12.2014
5320.000000	12.4	18:10:52 - 11.12.2014
5350.500000	12.2	18:24:59 - 11.12.2014
5400.000000	11.7	18:27:35 - 11.12.2014
5780.050000	12.8	18:13:25 - 11.12.2014
5783.100000	12.9	18:12:10 - 11.12.2014
5790.100000	13.1	18:28:53 - 11.12.2014

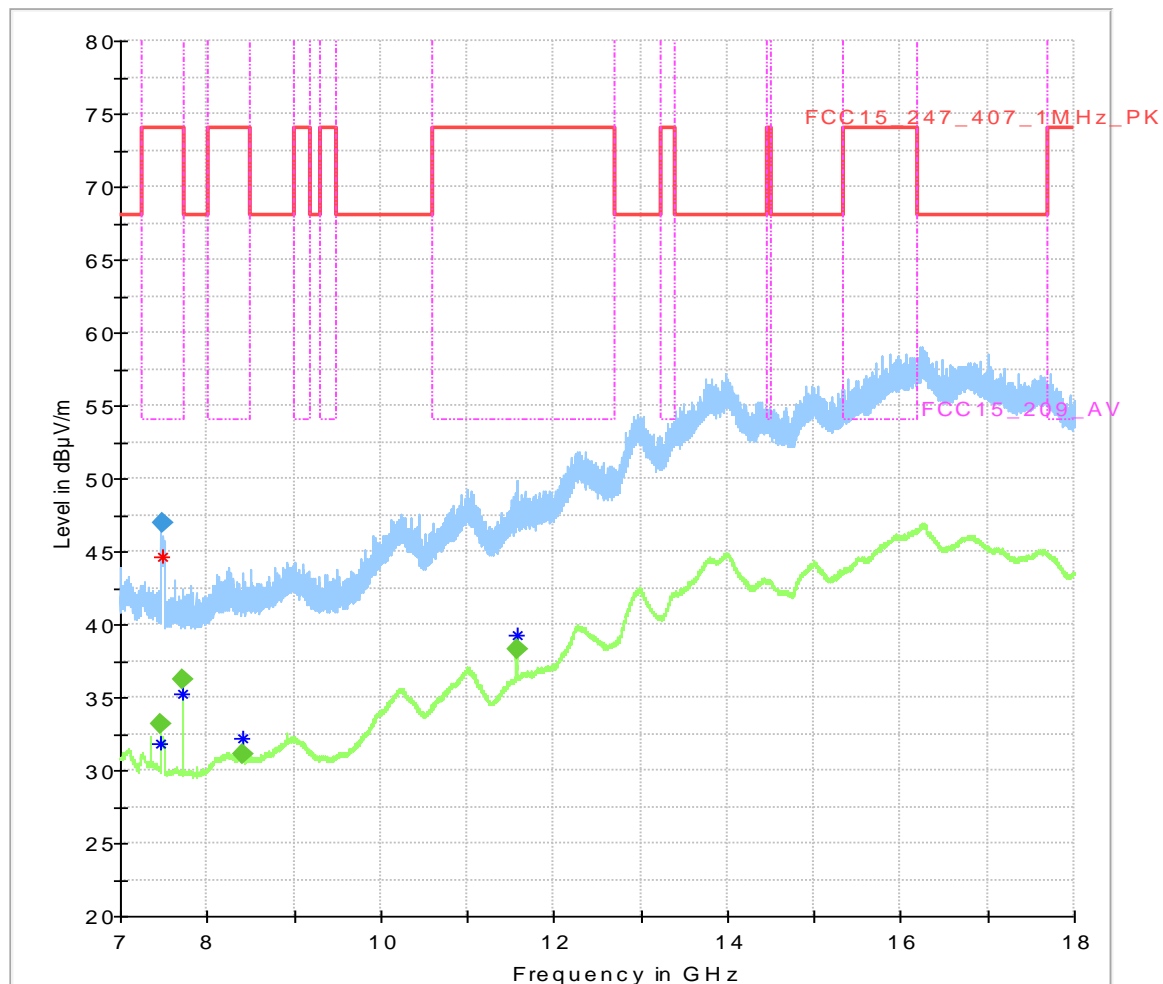
Diagram No.: 4.06c_TX_Ch157_HT20_MCS8**Common Information**

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.209/15.205/15.247
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous, 100%
Operator Name:	Lor/KRe
Comment:	Channel no. middle=157, HT20, MCS8, PWR=15.0dBm

EUT Information

Manufacturer:	Bosch Security
EuT:	DCNM-WDE
Serial Number:	00:1C:44:01:5C:44
Connected Interfaces:	2 headsets
Power Supply:	7.5V nominal
Comments:	Microphone 50cm (long) @cetecom2

Full Spectrum



Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	AV (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement Time	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)
7466.050000	---	33.16	54.00	20.84	100.0	1000.000	155.0	V	197.0	0.0
7474.500000	46.91	---	74.00	27.09	100.0	1000.000	155.0	V	206.0	0.0
7713.200000	---	36.22	54.00	17.78	100.0	1000.000	155.0	V	349.0	90.0
8400.000000	---	31.07	54.00	22.93	100.0	1000.000	155.0	H	316.0	0.0
11570.700000	---	38.33	54.00	15.67	100.0	1000.000	155.0	V	331.0	90.0

(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Correction	Comment
7466.050000	4.4	12:57:44 - 11.12.2014
7474.500000	4.4	12:56:31 - 11.12.2014
7713.200000	4.5	13:01:59 - 11.12.2014
8400.000000	5.8	12:59:19 - 11.12.2014
11570.700000	11.2	13:00:48 - 11.12.2014

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	AV (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement Time	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)
7466.050000	---	33.16	54.00	20.84	100.0	1000.000	155.0	V	197.0	0.0
7474.500000	46.91	---	74.00	27.09	100.0	1000.000	155.0	V	206.0	0.0
7713.200000	---	36.22	54.00	17.78	100.0	1000.000	155.0	V	349.0	90.0
8400.000000	---	31.07	54.00	22.93	100.0	1000.000	155.0	H	316.0	0.0
11570.700000	---	38.33	54.00	15.67	100.0	1000.000	155.0	V	331.0	90.0

(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Correction	Comment
7466.050000	4.4	12:57:44 - 11.12.2014
7474.500000	4.4	12:56:31 - 11.12.2014
7713.200000	4.5	13:01:59 - 11.12.2014
8400.000000	5.8	12:59:19 - 11.12.2014
11570.700000	11.2	13:00:48 - 11.12.2014

Diagram No.: 4.06d_TX_Ch157_HT20_MCS8

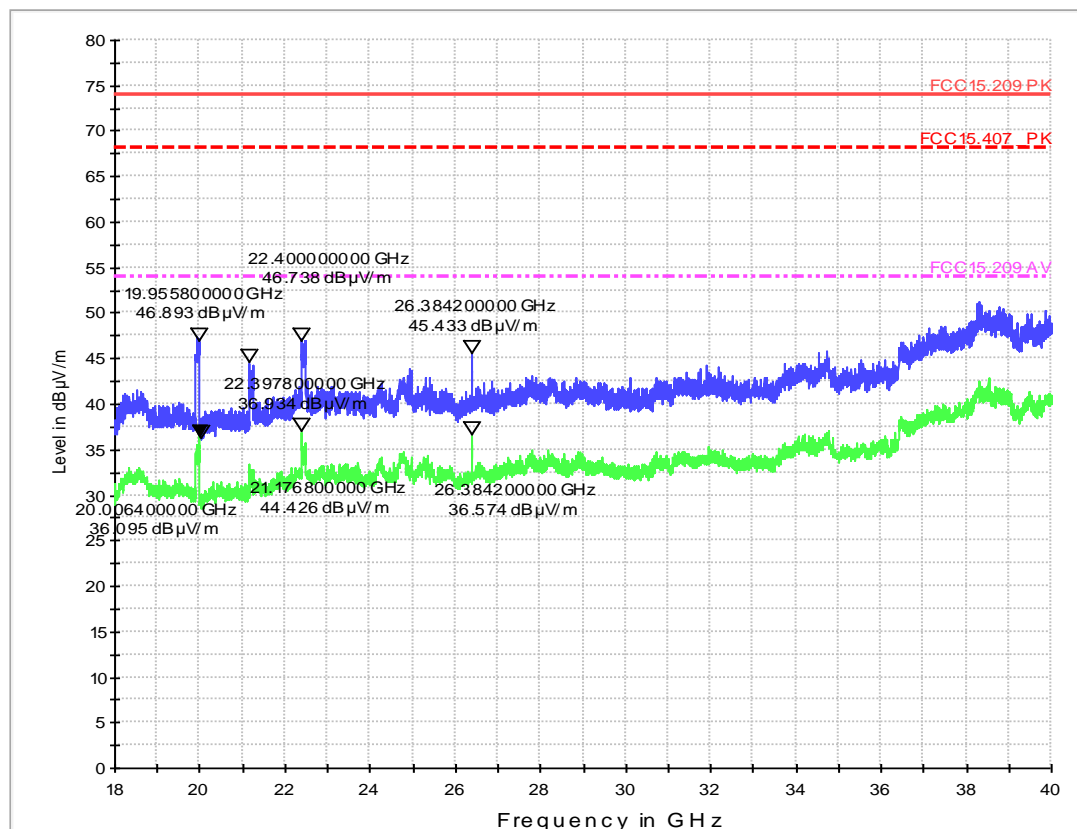
Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.209/15.205/15.247
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:	TX mode continuous
Operator Name:	Lor
Comment:	Channel no. middle=157 (5785MHz)

EUT Information

Manufacturer:	Bosch Security
EuT:	DCNM-WDE
Serial Number:	00:1C:44:01:5C:44
Connected Interfaces:	2 headsets, long microphone 50cm
Power Supply:	7.5V nominal

FCC_Sweep_15.407_18_40GHz_Pre



1.6. Radiated band-edge measurements accord. §15.209 & §15.205 (§15.247)

1.6.1. Channel 1 (20MHz Signal BW - left band edge)

Diagram No. 9.04a_Band_Edge_Ch1_MCS8

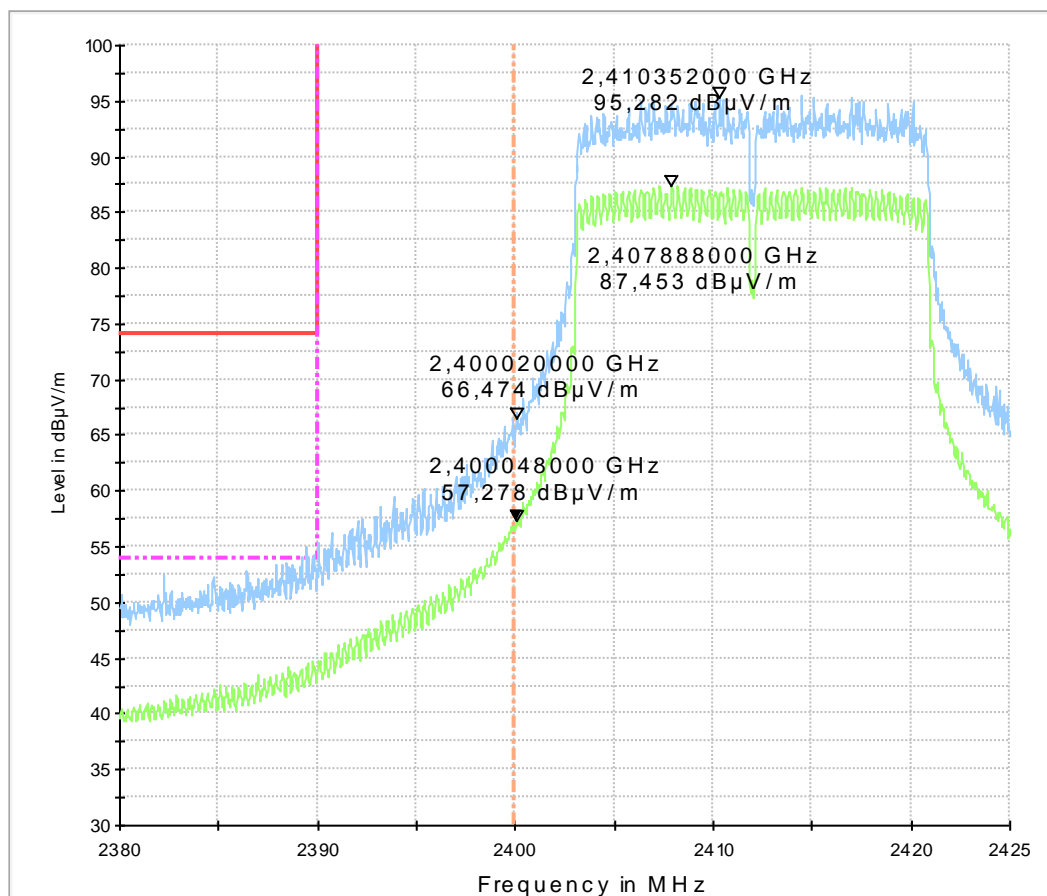
Test description:	20.03.2015 Page 1 of 3
Test site and distance:	Electric Field Strength Measurement - Band-Edge
Version of Testsoftware:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Distance correction:	EMC32 V8.51.0
Used filter:	not used
Technical Data:	not used
Test specification.:	please see page 2 for detailed data of measurement setup
	FCC 15.247/15.209/15.205

Operator:	Lor
Operating conditions:	Continuous TX, Channel 1, MCS8
Power during tests:	full battery
Comment 1:	EUT standing (defined normal position)

EUT Information

Manufacturer:	Bosch Security
EuT:	DCNM-WDE
Serial Number:	00:1C:44:01:5C:CC / 045888346012042001
Connected Interfaces:	2 headsets+long microphone (50cm)
Power Supply:	7.5V nominal

02_Band_Edge_Low_FCC15.247_noKipp



1.6.2. Channel 3 (40MHz Signal BW - left band edge)

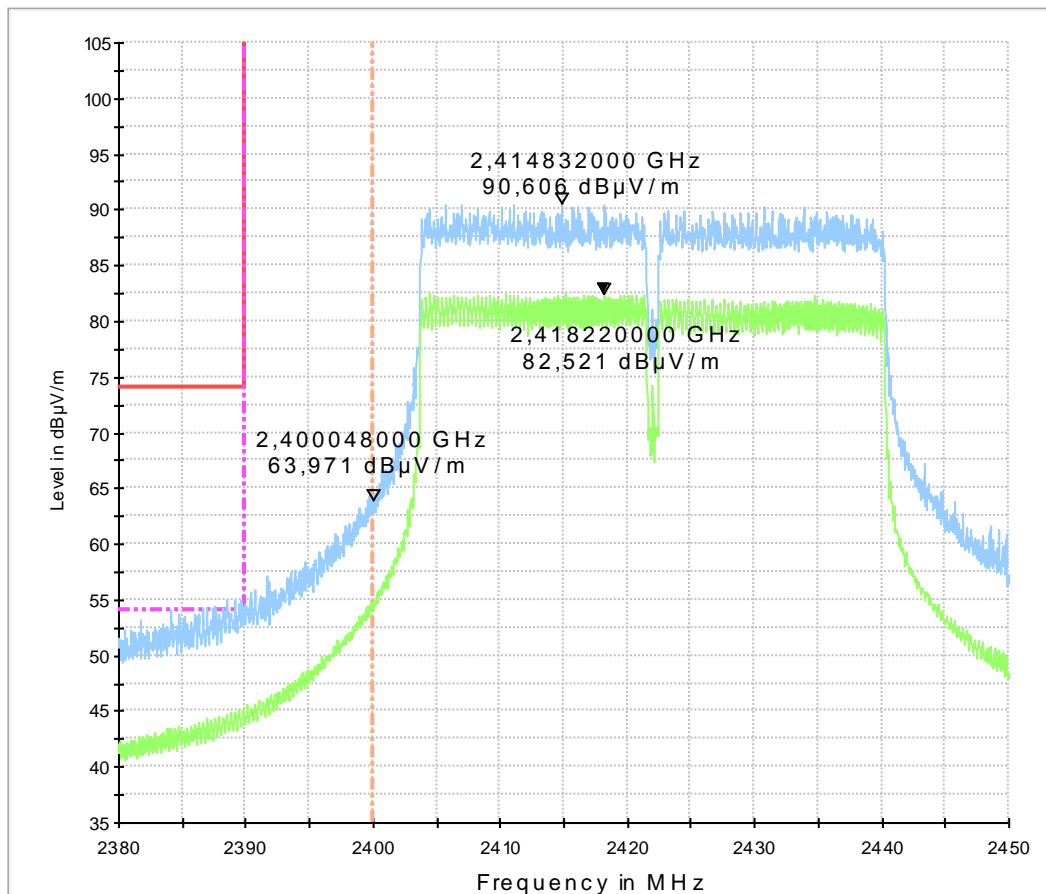
Diagram No. 9.05b_Band_Edge_Ch3_MCS8_laying

Test description:	20.03.2015 Page 1 of 3
Test site and distance:	Electric Field Strength Measurement - Band-Edge
Version of Testsoftware:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Distance correction:	EMC32 V8.51.0
Used filter:	not used
Technical Data:	not used
Test specification.:	please see page 2 for detailed data of measurement setup
	FCC 15.247/15.209/15.205
Operator:	Lor
Operating conditions:	Continuous TX, Channel 3, HT40, MCS8
Power during tests:	full battery
Comment 1:	EUT laying

EUT Information

Manufacturer:	Bosch Security
EuT:	DCNM-WDE
Serial Number:	00:1C:44:01:5C:CC / 045888346012042001
Connected Interfaces:	2 headsets+long microphone (50cm)
Power Supply:	7.5V nominal

02_Band_Edge_Low_FCC15.247_noKipp



1.6.3. Channel 11 (20MHz Signal BW - right band edge)

Diagram No. 9.03b_Band_Edge_Ch11_MCS8_laying

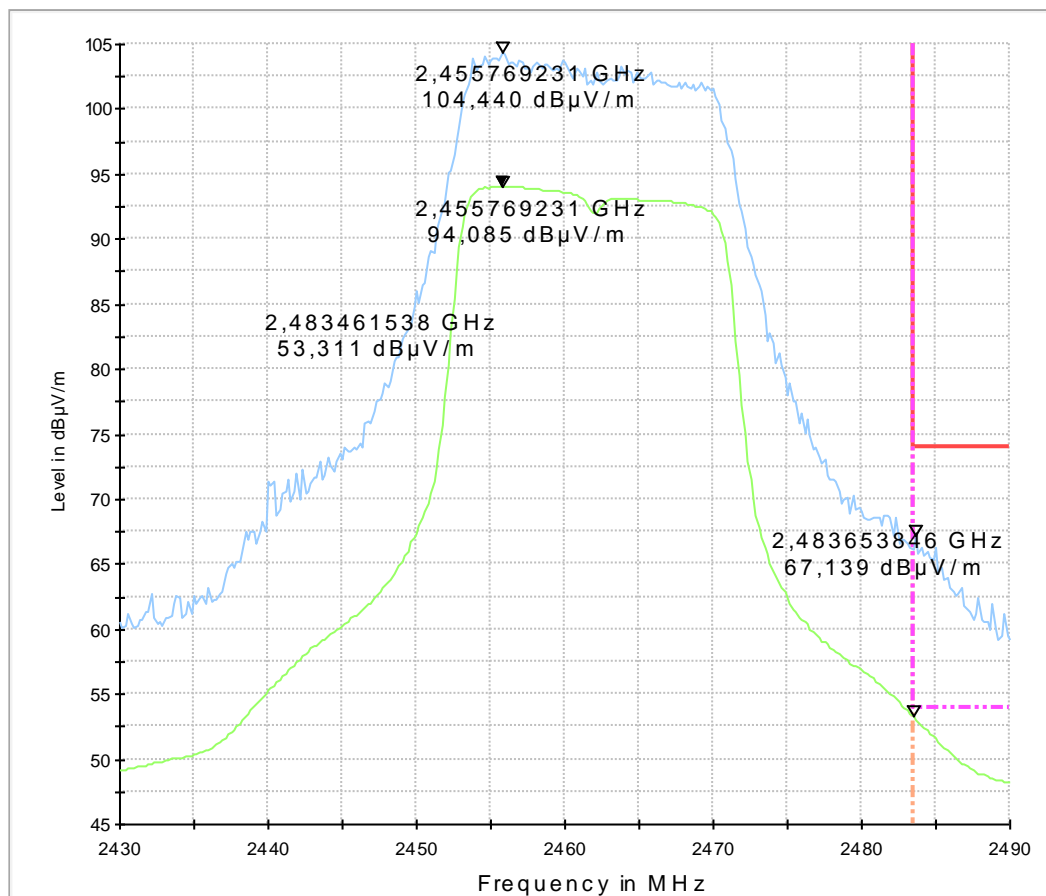
19.03.2015 Page 1 of 1
 Test description: Electric Field Strength Measurement - Band-Edge
 Test site and distance: Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
 Version of Testsoftware: EMC32 V8.51.0
 Distance correction: not used
 Used filter: not used
 Technical Data: please see page 2 for detailed data of measurement setup
 Test specification.: FCC 15.247/15.209/15.205

Operator: Lor
 Operating conditions: continuous TX, Channel 11, HT20, MCS8
 Power during tests: full battery
 Comment 1: EUT laying

EUT Information

Manufacturer: Bosch Security
 EuT: DCNM-WDE
 Serial Number: 00:1C:44:01:5C:CC / 045888346012042001
 Connected Interfaces: 2 headsets+long microphone (50cm)
 Power Supply: 7.5V nominal

03_Band_Edge_High_FCC15.247_noKipp



1.6.4. Channel 9 (40MHz Signal BW - right band edge)

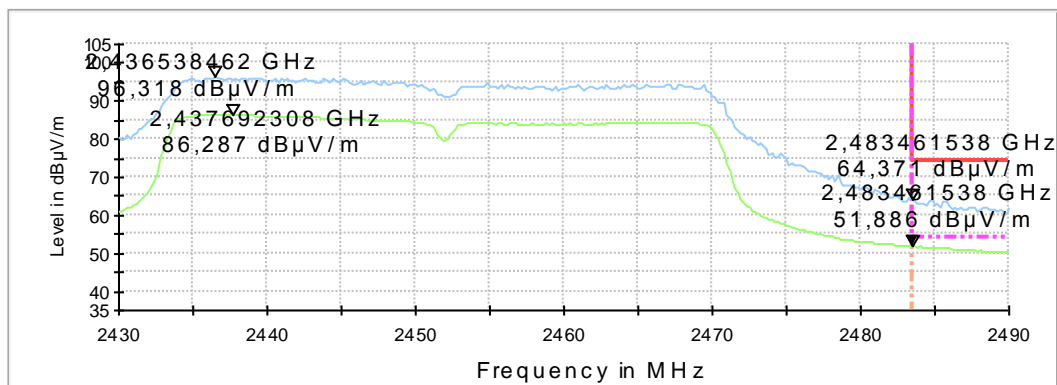
Diagram No. 9.01b_Band_Edge_Ch9_MCS8_PWR5_5_Laying

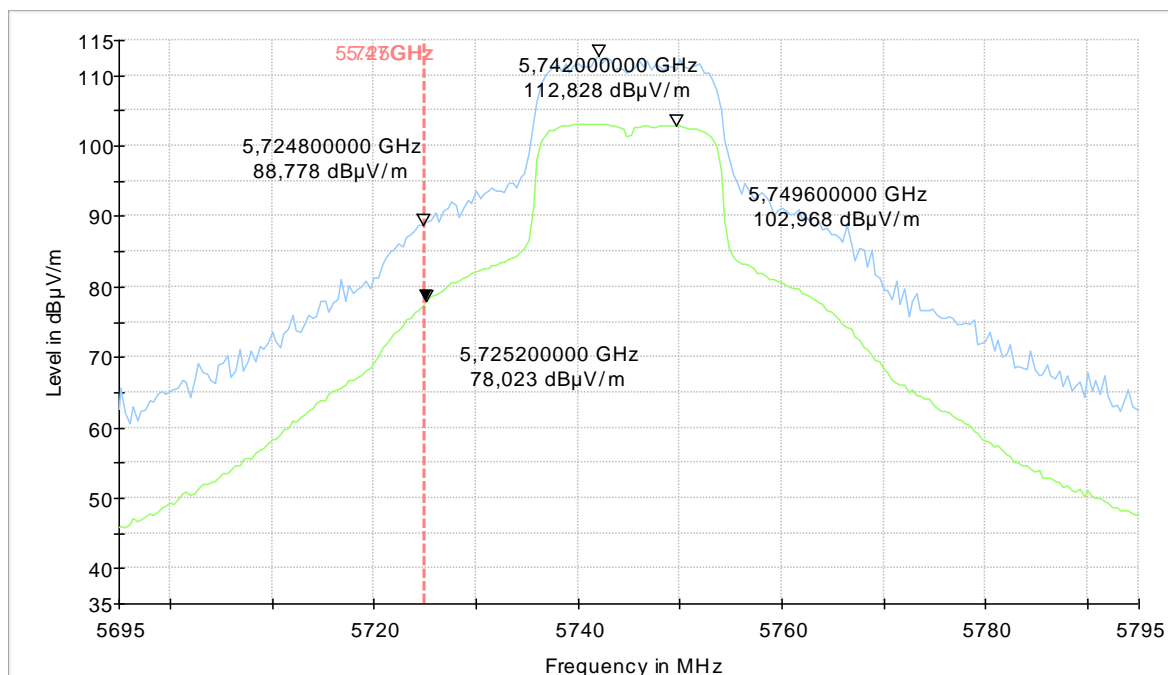
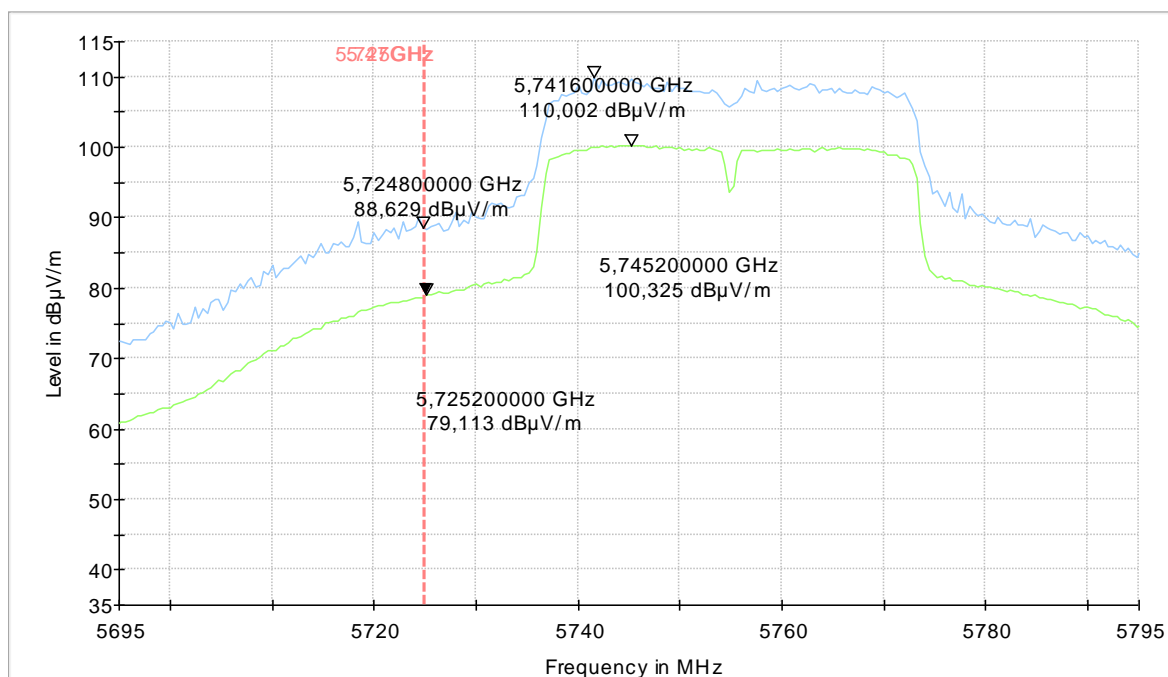
Test description:	19.03.2015 Page 1 of 1
Test site and distance:	Electric Field Strength Measurement - Band-Edge
Version of Testsoftware:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Distance correction:	EMC32 V8.51.0
Used filter:	not used
Technical Data:	not used
Test specification.:	please see page 2 for detailed data of measurement setup
	FCC 15.247/15.209/15.205
Operator:	Lor
Operating conditions:	continuous TX, channel 9
Power during tests:	7.5V battery
Comment 1:	EUT laying, PWR=5.5dBm

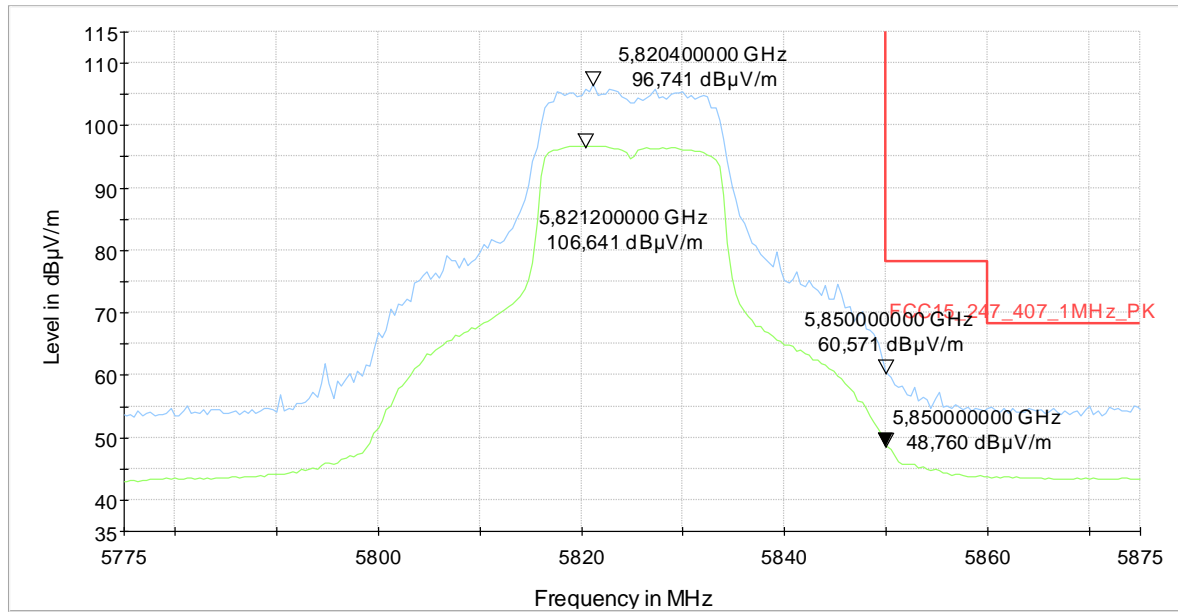
EUT Information

Manufacturer:	Bosch Security
EuT:	DCNM-WDE
Serial Number:	00:1C:44:01:5C:CC / 045888346012042001
Connected Interfaces:	2 headsets
Power Supply:	7.5V nominal

03_Band_Edge_High_FCC15.247_noKipp



1.6.5. Channel 149 (20MHz Signal BW - left band edge)**1.6.6. Channel 151 (40MHz Signal BW - left band edge)**

1.6.7. Channel 165 (20MHz Signal BW - right band edge)**1.6.8. Channel 159 (40MHz Signal BW - right band edge)**