ANNEX 4: Measurement Diagrams
to
T E S T R E P O R T
No.: 2-20810461-13-1c

Laboratory Accreditation and Listings			
DAkkS Deutsche Akkreditierungsstelle D-PL-12047-01-01	Reg. No.: 736496 MRA US-EU 0003	Industry Canada Reg. No.: 3462D-1 Reg. No.: 3462D-2 Reg. No.: 3462D-3	Voluntary Controls for Electromagnetic Emissions Reg. No.: R-2665, R-2666 C-2914, T-1967, G-301
Wi Fi ALLIANCE AUTHORIZED RF LABORATORY	CTIA Authorized Test Lab LAB CODE 20011130-00		
accredited according to DIN EN ISO/IEC 17025			

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Diagram No. 1.01

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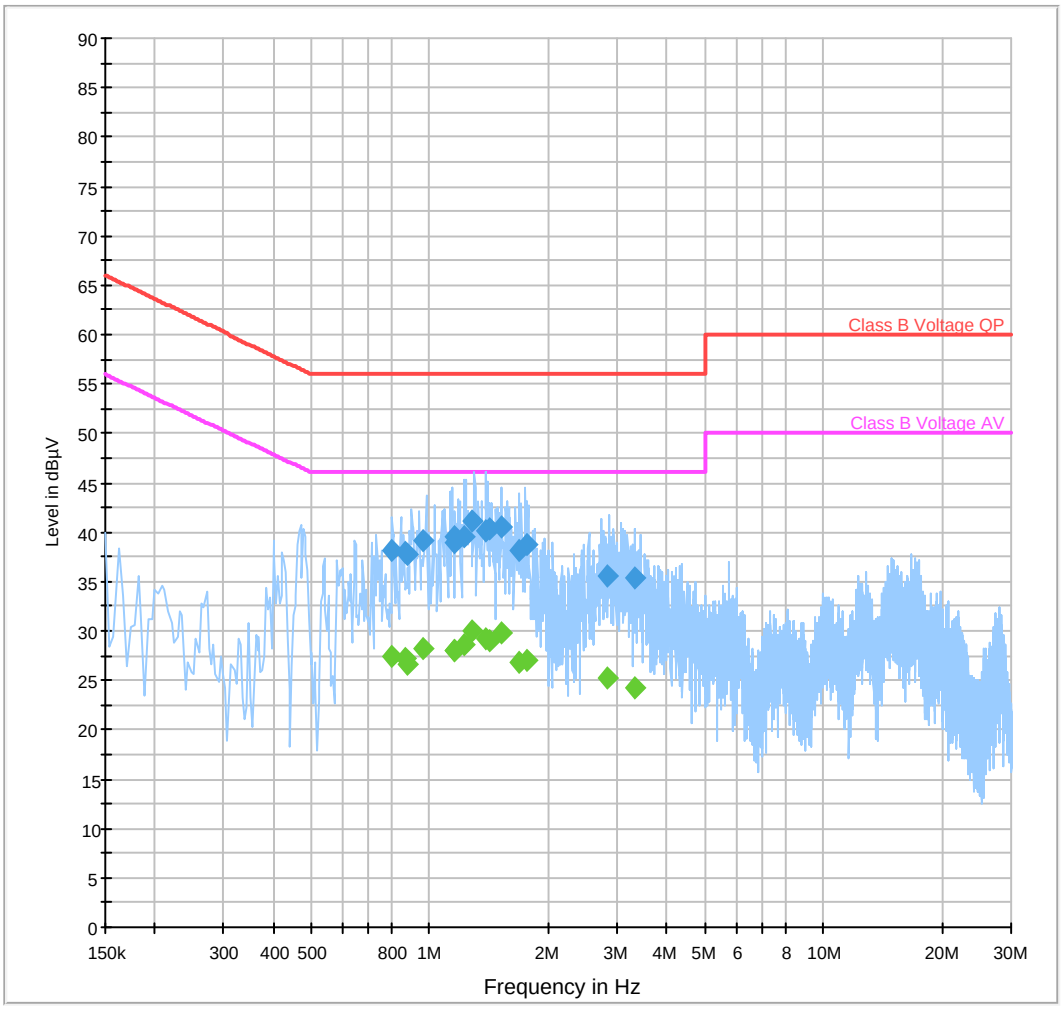
Test Description:	Ref.-Nr. 348, Conducted Voltage Measurement Class B
Version of Testsoftware:	EMC32 V8.52.0
Testspecification:	FCC 15.207
Technical Data:	Please see next page for detailed information
Diagram:	Shows the peak values as a sum of measured ports (N+L1) in maxhold mode
Operator name:	HLa
Report.- Nr.	2-20810461-13-1c
Operating mode:	WLAN mode a (5 GHz) , channel 40, 6 Mbps
Measured on line:	Mains AC L1 and N
Power during test:	120 V AC 60 Hz

EUT Information

EUT Name:	TS-0000-BV + AC-0400-JP + AI-0401
Manufacturer:	Sony
IMEI:	0000-0000-000328-5
S/N:	CB5A1N1KVK
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	#22469 AC charger plug EP880 + #22683 USB to micro USB cable (1m)

01b_FCC_107_207_Class B_Voltage_PK_QPAV_N_L1



1. Conducted EMI measurements on AC-mains port according §15.207

Diagram No. 1.01

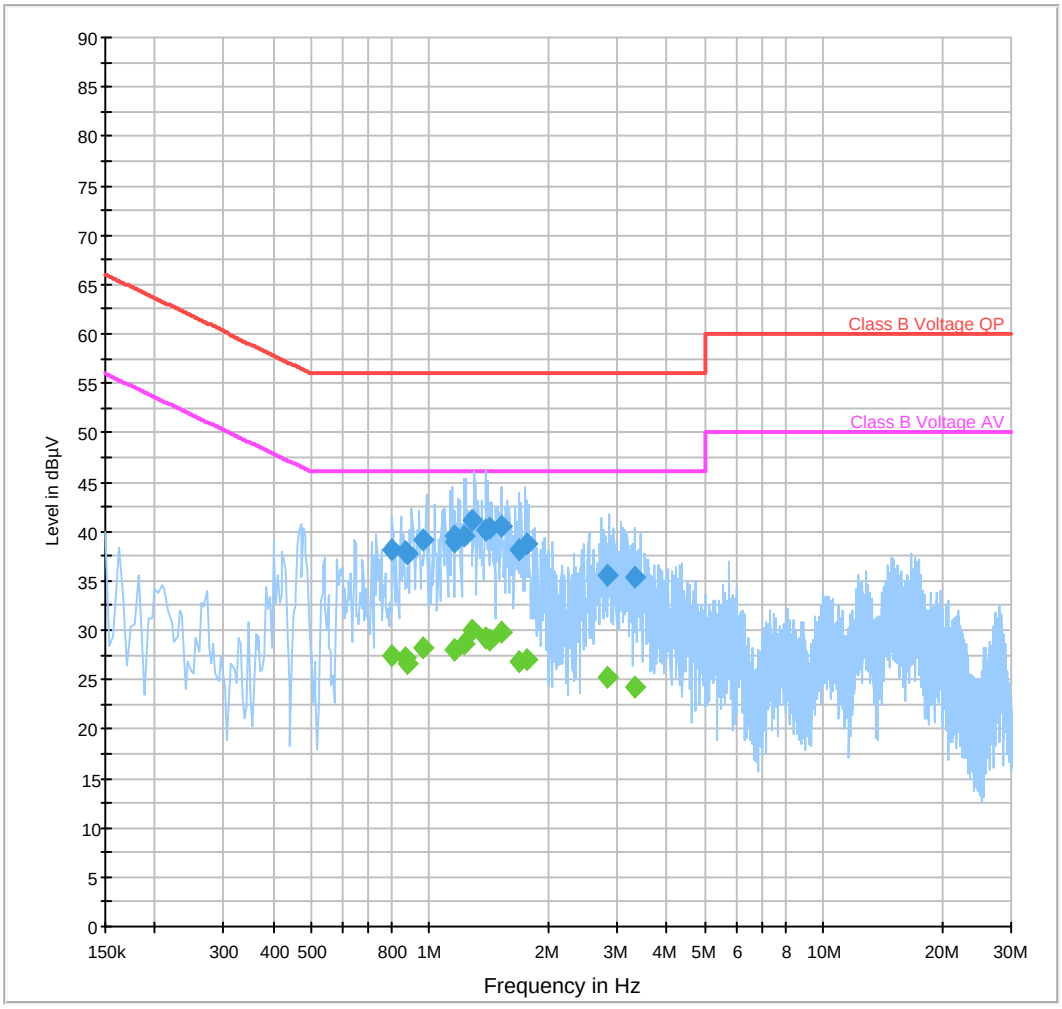
Date: 12.03.2013 Page 1 of 2

Test Description:	Ref.-Nr. 348, Conducted Voltage Measurement Class B
Version of Testsoftware:	EMC32 V8.52.0
Testspecification:	FCC 15.207
Technical Data:	Please see next page for detailed information
Diagram:	Shows the peak values as a sum of measured ports (N+L1) in maxhold mode
Operator name:	HLa
Report.- Nr.	2-20810461-13-1c
Operating mode:	WLAN mode a (5 GHz) , channel 40, 6 Mbps
Measured on line:	Mains AC L1 and N
Power during test:	120 V AC 60 Hz

EUT Information

EUT Name:	TS-0000-BV + AC-0400-JP + AI-0401
Manufacturer:	Sony
IMEI:	0000-0000-000328-5
S/N:	CB5A1N1KVK
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	#22469 AC charger plug EP880 + #22683 USB to micro USB cable (1m)

01b_FCC_107_207_Class B_Voltage_PK_QPAV_N_L1



Date: 12.03.2013 Page 2 of 2

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.804844	38.1	1000.0	9.000	GND	N	0.2	17.9	56.0
0.867813	37.9	1000.0	9.000	GND	N	0.3	18.1	56.0
0.877500	37.7	1000.0	9.000	GND	N	0.3	18.3	56.0
0.964531	39.1	1000.0	9.000	GND	N	0.3	16.9	56.0
1.152969	39.6	1000.0	9.000	GND	N	0.3	16.4	56.0
1.154688	39.0	1000.0	9.000	GND	N	0.3	17.0	56.0
1.217813	39.6	1000.0	9.000	GND	N	0.3	16.4	56.0
1.284844	41.2	1000.0	9.000	GND	N	0.3	14.8	56.0
1.381875	40.2	1000.0	9.000	GND	N	0.3	15.8	56.0
1.416406	40.3	1000.0	9.000	GND	N	0.3	15.7	56.0
1.513594	40.5	1000.0	9.000	GND	N	0.3	15.5	56.0
1.682656	38.1	1000.0	9.000	GND	N	0.3	17.9	56.0
1.767969	38.8	1000.0	9.000	GND	N	0.3	17.2	56.0
2.841719	35.7	1000.0	9.000	GND	N	0.3	20.3	56.0
3.315469	35.3	1000.0	9.000	GND	N	0.4	20.7	56.0

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.804844	27.5	1000.0	9.000	GND	N	0.2	18.6	46.0
0.867813	27.3	1000.0	9.000	GND	N	0.3	18.7	46.0
0.877500	26.6	1000.0	9.000	GND	N	0.3	19.4	46.0
0.964531	28.2	1000.0	9.000	GND	N	0.3	17.8	46.0
1.152969	28.1	1000.0	9.000	GND	N	0.3	18.0	46.0
1.154688	28.0	1000.0	9.000	GND	N	0.3	18.0	46.0
1.217813	28.7	1000.0	9.000	GND	N	0.3	17.4	46.0
1.284844	30.0	1000.0	9.000	GND	N	0.3	16.0	46.0
1.381875	29.2	1000.0	9.000	GND	N	0.3	16.8	46.0
1.416406	29.0	1000.0	9.000	GND	N	0.3	17.0	46.0
1.513594	29.9	1000.0	9.000	GND	N	0.3	16.1	46.0
1.682656	26.9	1000.0	9.000	GND	N	0.3	19.1	46.0
1.767969	27.0	1000.0	9.000	GND	N	0.3	19.0	46.0
2.841719	25.2	1000.0	9.000	GND	N	0.3	20.8	46.0
3.315469	24.3	1000.0	9.000	GND	N	0.4	21.7	46.0

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

2.1. Below 30 MHz

Diagram No. 2.04_RSE_R_Ch40_36

Date: 08.02.2013 Page 1 of 1

Test description:	Magnetic Fieldstrength 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
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	TP NLP-1200
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 3
Operator:	OOu
Operating conditions:	WLAN (A) (5GHz) Tx , 36Mbps, Ch 40
Power during tests:	120V AC 60 Hz
Comment 1:	2-20810461-13-1c

EUT Information

EUT Name:	TS-0000-BV + AC-0400-EU + AI-0401
Manufacturer:	Sony
IMEI:	0000-0000-000328-5
S/N:	CB5A1N1KVK
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	#22469 AC charger plug EP880 + #22683 USB to micro USB cable (1m)

FCC15.209_magn hor+vert

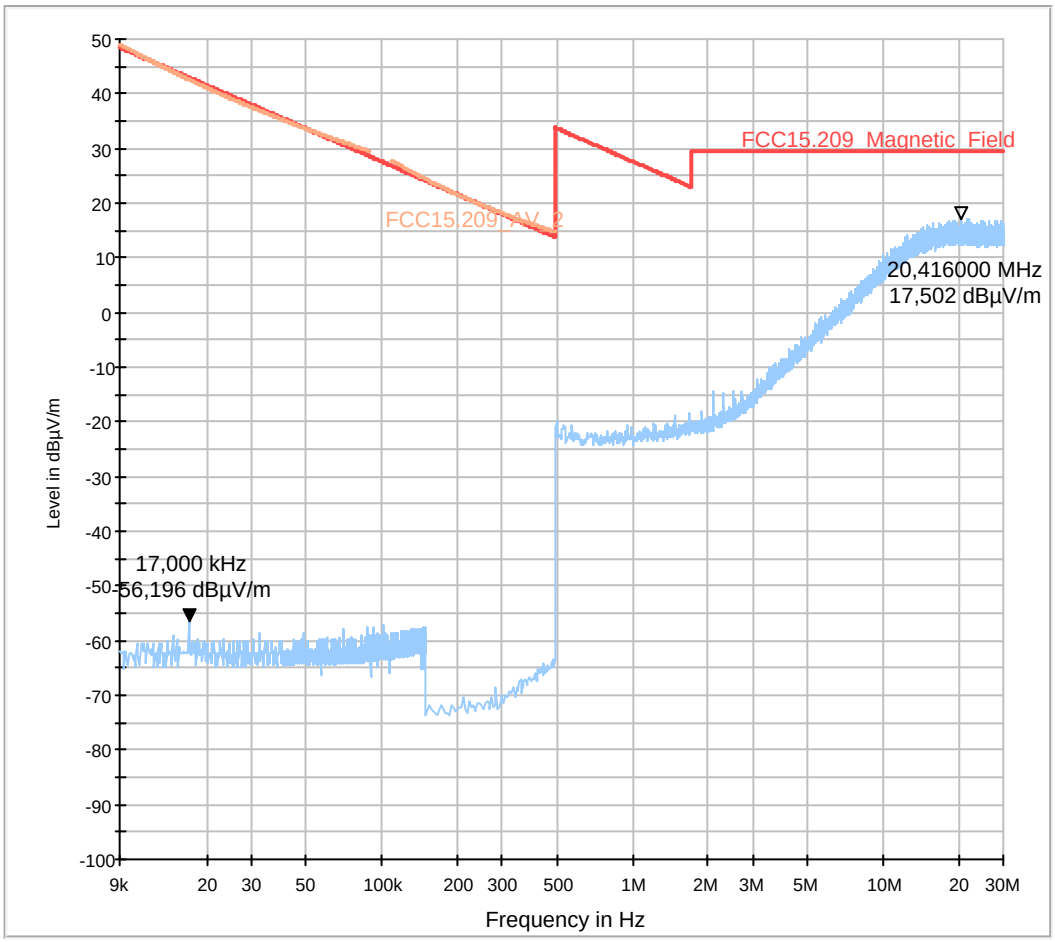


Diagram No. 2.05_RSE_R_Ch56_26

Date: 08.02.2013 Page 1 of 1

Test description:	Magnetic Fieldstrength 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
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	TP NLP-1200
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 3
Operator:	OOu
Operating conditions:	WLAN (N, HT20) (5GHz) Tx , 26Mbps, Ch 56
Power during tests:	120V AC 60 Hz
Comment 1:	20810461-13-1a

EUT Information

EUT Name:	TS-0000-BV + AC-0400-EU + AI-0401
Manufacturer:	Sony
IMEI:	0000-0000-000328-5
S/N:	CB5A1N1KVK
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	#22469 AC charger plug EP880 + #22683 USB to micro USB cable (1m)

FCC15.209_magn hor+vert

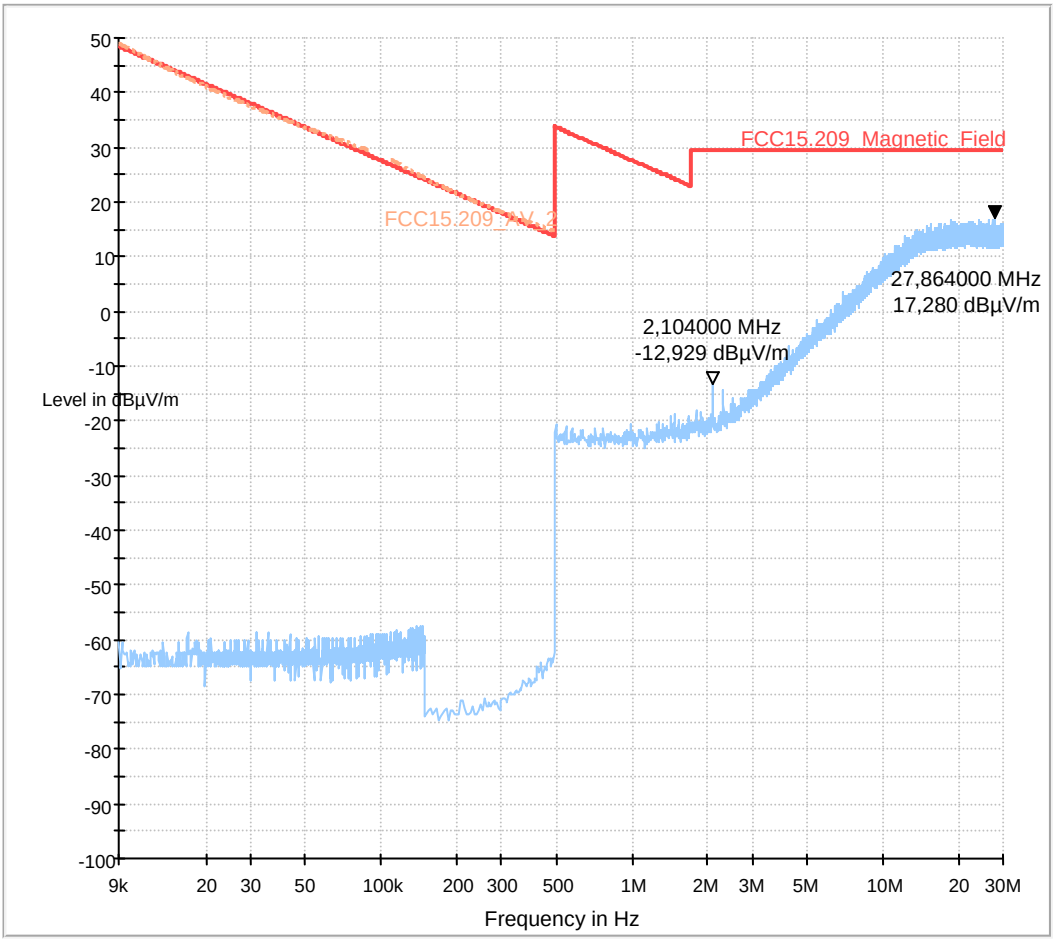


Diagram No. 2.06_RSE_R_Ch110_135

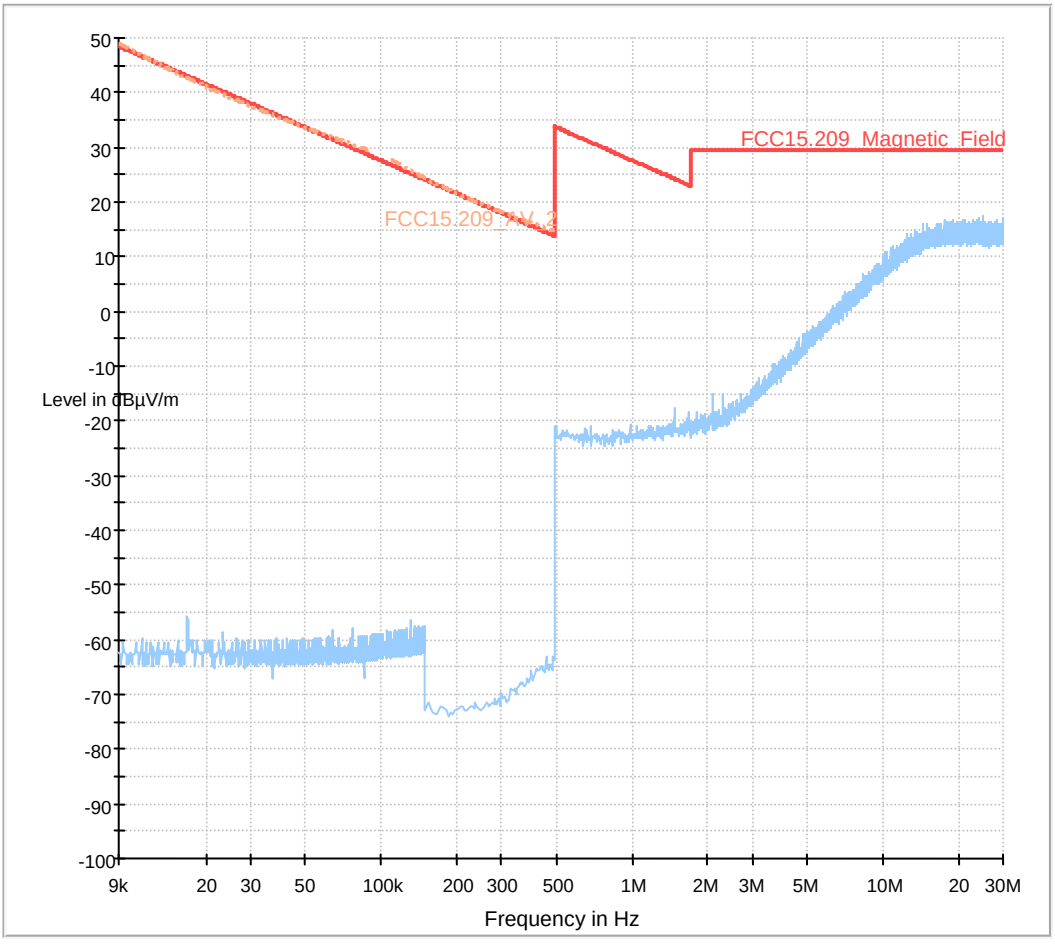
Date: 08.02.2013 Page 1 of 1

Test description:	Magnetic Fieldstrength 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
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	TP NLP-1200
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 3
Operator:	OOu
Operating conditions:	WLAN (N, HT40) (5GHz) Tx , 135Mbps, Ch 110
Power during tests:	120V AC 60 Hz
Comment 1:	20810461-13-1a

EUT Information

EUT Name:	TS-0000-BV + AC-0400-EU + AI-0401
Manufacturer:	Sony
IMEI:	0000-0000-000328-5
S/N:	CB5A1N1KVK
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	#22469 AC charger plug EP880 + #22683 USB to micro USB cable (1m)

FCC15.209_magn hor+vert



2.2. 30 MHz < x < 1 GHz

Diagram No. 3.04-1_RSE_R_Ch36_54

24.01.2013 Page 1 of 1

Test description:	Electric Fieldstrength 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; RSS-Gen: Issue 3
Operator:	OOu
Operating conditions:	WLAN 5 GHz , a-mode, Ch36 , 54Mbps
Power during tests:	120V 60Hz

EUT Information

EUT Name:	TS-0000-BV + AC-0400-EU + AI-0401
Manufacturer:	Sony
IMEI:	tbd
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	AC plug + USB cable (1,8m)

01_FCC15.209_hor+vert_kipp

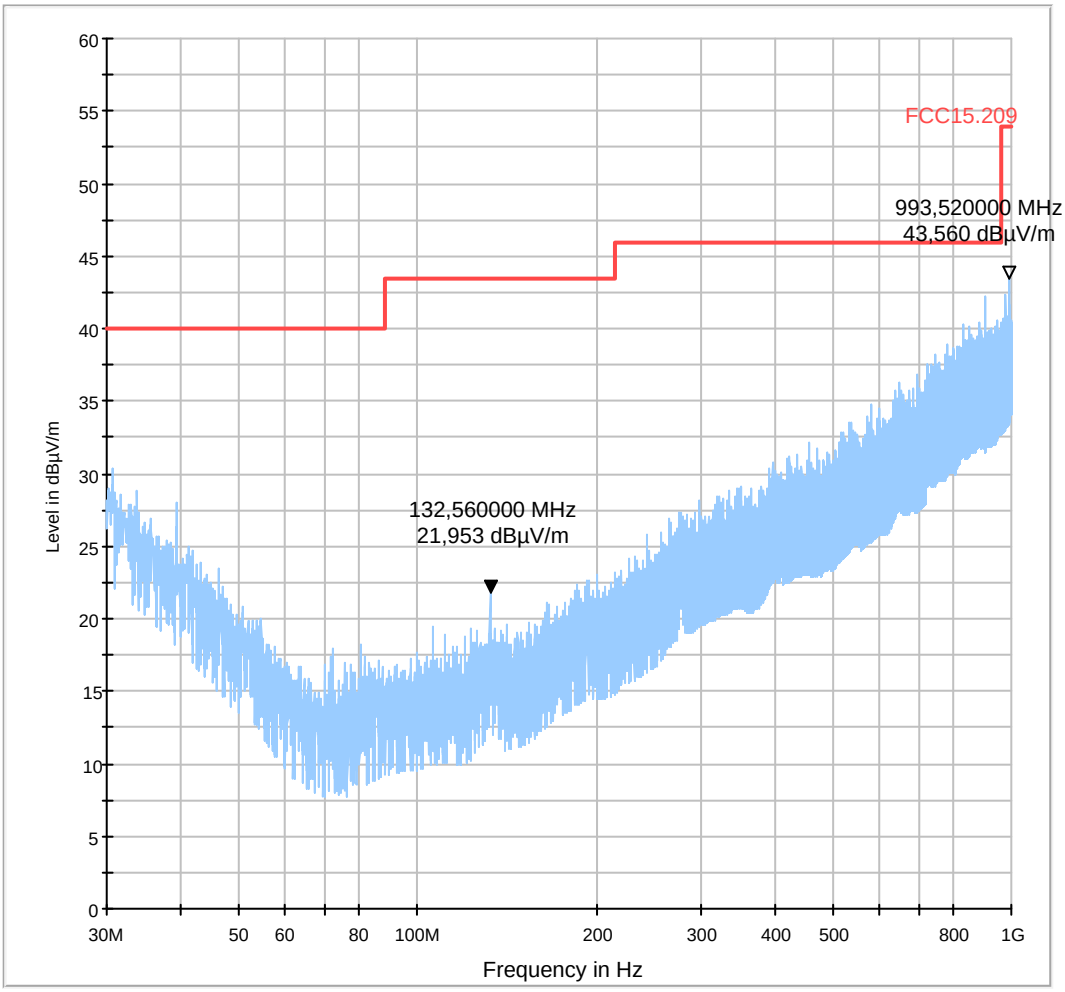


Diagram No. 3.04-2_RSE_R_Ch40_24

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Test description:	Electric Fieldstrength 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:	lowpass 1200 MHz
Test specification.:	FCC 15.209; RSS-Gen: Issue 3
Operator:	Tas
Operating conditions:	WLAN 5 GHz, a-mode, Ch 40, 24 Mbps
Power during tests:	120V 60Hz
Comment 1:	20816519-13-1c

EUT Information

EUT Name:	TS-0000-BV + AC-0400-EU + AI-0401
Manufacturer:	Sony
IMEI:	0000-0000-000328-5
S/N:	CB5A1N1KVK
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	#22469 AC plug + #22683 USB to micro USB cable (1m)

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)
784.620000	28.0	1000.0	120.000	100.0	H	275.0	90.0	25.0	18.00

(continuation of the "Final Result 1" table from column 10 ...)

Frequency (MHz)	Limit (dBµV/m
784.620000	46.00

01_FCC15.209_hor+vert_kipp

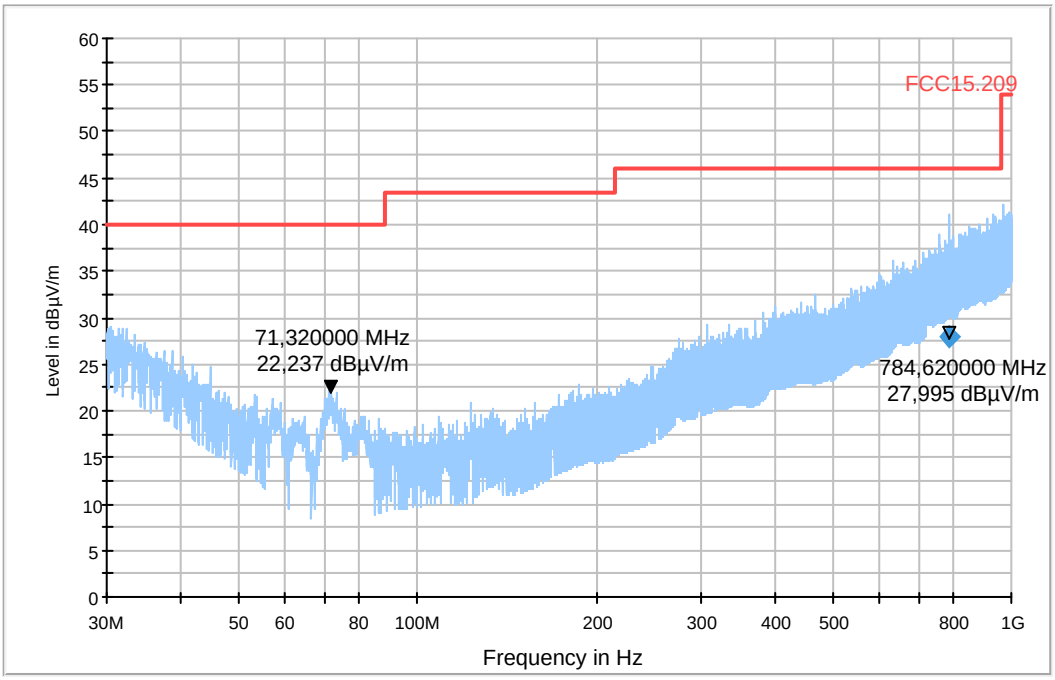

Diagram No. 3.04-2_RSE_R_Ch48_6

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Test description:	Electric Fieldstrength 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:	lowpass 1200 MHz
Test specification.:	FCC 15.407(b); RSS-210 Issue 8
Operator:	Tas
Operating conditions:	WLAN 5 GHz, a-mode, Ch 48, 6 Mbps
Power during tests:	120V 60Hz
Comment 1:	20816519-13-1c

EUT Information

EUT Name:	TS-0000-BV + AC-0400-EU + AI-0401
Manufacturer:	Sony
IMEI:	0000-0000-000328-5
S/N:	CB5A1N1KVK
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	#22469 AC charger plug EP880 + #22683 USB to micro USB cable (1m)

01_FCC15.209_hor+vert_kipp

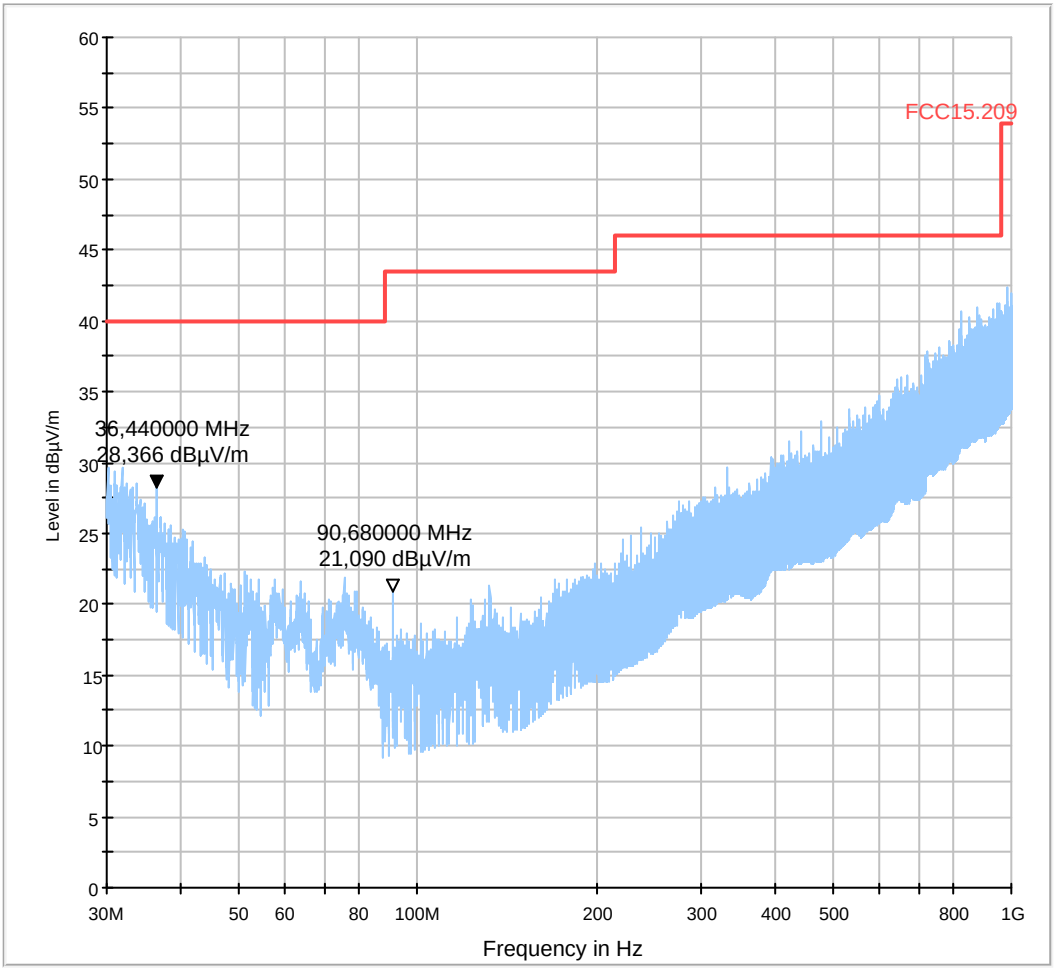


Diagram No. 3.05-1_RSE_R_Ch52_6.5

25.01.2013 Page 1 of 1

Test description:	Electric Fieldstrength 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:	lowpass 1200 MHz
Test specification.:	FCC 15.407(b); RSS-210 Issue 8
Operator:	Tas
Operating conditions:	WLAN 5 GHz, n20-mode, Ch 52, 6.5 Mbps
Power during tests:	120V 60Hz
Comment 1:	20816519-13-1c

EUT Information

EUT Name:	TS-0000-BV + AC-0400-EU + AI-0401
Manufacturer:	Sony
IMEI:	0000-0000-000328-5
S/N:	CB5A1N1KVK
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	#22469 AC charger plug EP880 + #22683 USB to micro USB cable (1m)

01_FCC15.209_hor+vert_kipp

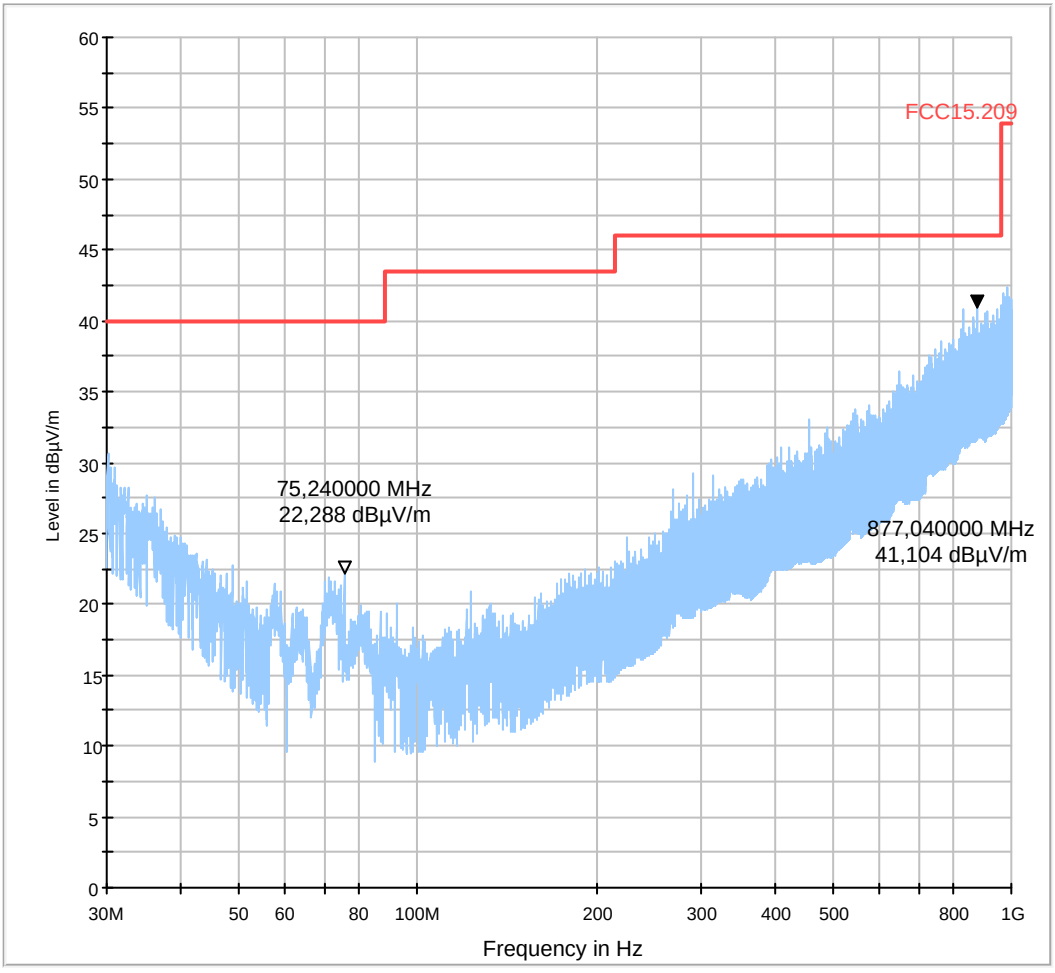


Diagram No. 3.05-2_RSE_R_Ch56_26

08.02.2013 Page 1 of 1

Test description:	Electric Fieldstrength 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:	lowpass 1200 MHz
Test specification.:	FCC 15.407(b); RSS-210 Issue 8
Operator:	kre
Operating conditions:	WLAN 5 GHz, n20-mode, Ch 56, 26 Mbps
Power during tests:	120V 60Hz
Comment 1:	2081046113-1c

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)
33.460000	22.3	1000.0	120.000	211.0	H	36.0	90.0	20.3	17.70

(continuation of the "Final Result 1" table from column 10 ...)

Frequency	Limit (dBµV/m
33.460000	40.00

01_FCC15.209_hor+vert_kipp

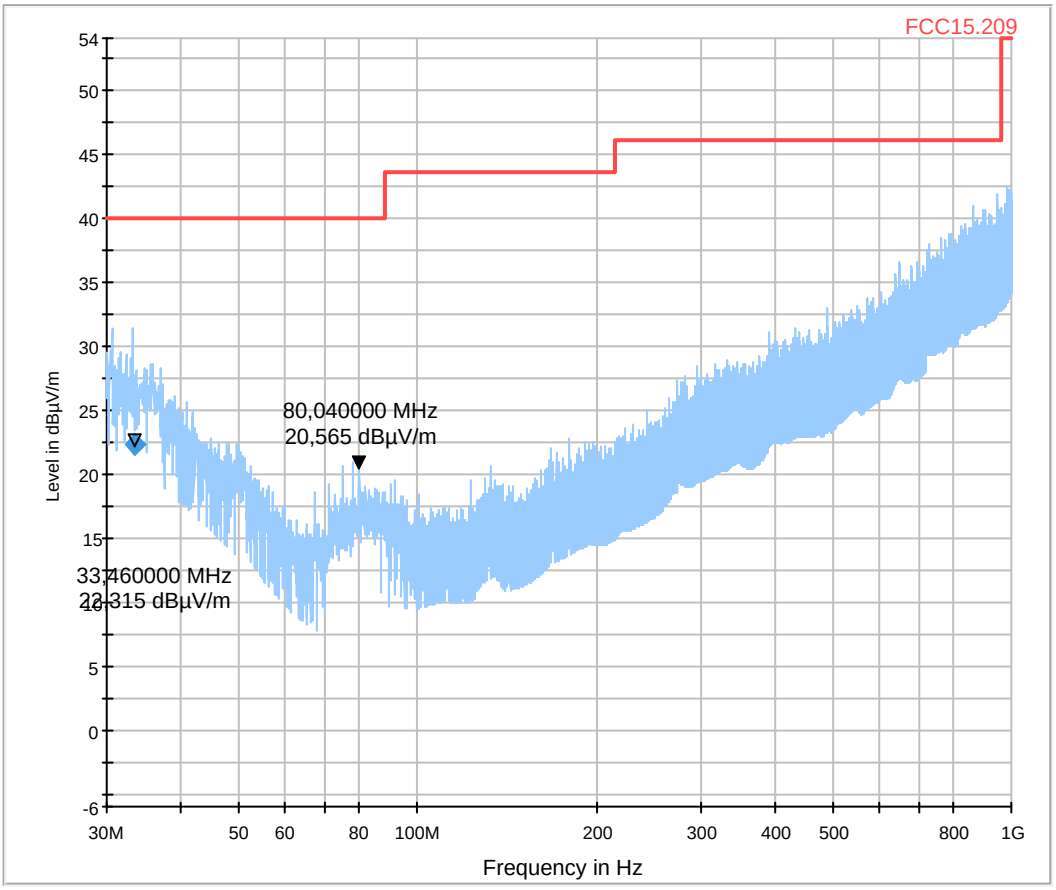


Diagram No. 3.05-3_RSE_R_Ch64_65

25.01.2013 Page 1 of 1

Test description:	Electric Fieldstrength 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:	lowpass 1200 MHz
Test specification.:	FCC 15.407(b); RSS-210 Issue 8
Operator:	Tas
Operating conditions:	WLAN 5 GHz, n20-mode, Ch 64, 65 Mbps
Power during tests:	120V 60Hz
Comment 1:	20816519-13-1c

EUT Information

EUT Name:	TS-0000-BV + AC-0400-EU + AI-0401
Manufacturer:	Sony
IMEI:	0000-0000-000328-5
S/N:	CB5A1N1KVK
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	#22469 AC charger plug EP880 + #22683 USB to micro USB cable (1m)

01_FCC15.209_hor+vert_kipp

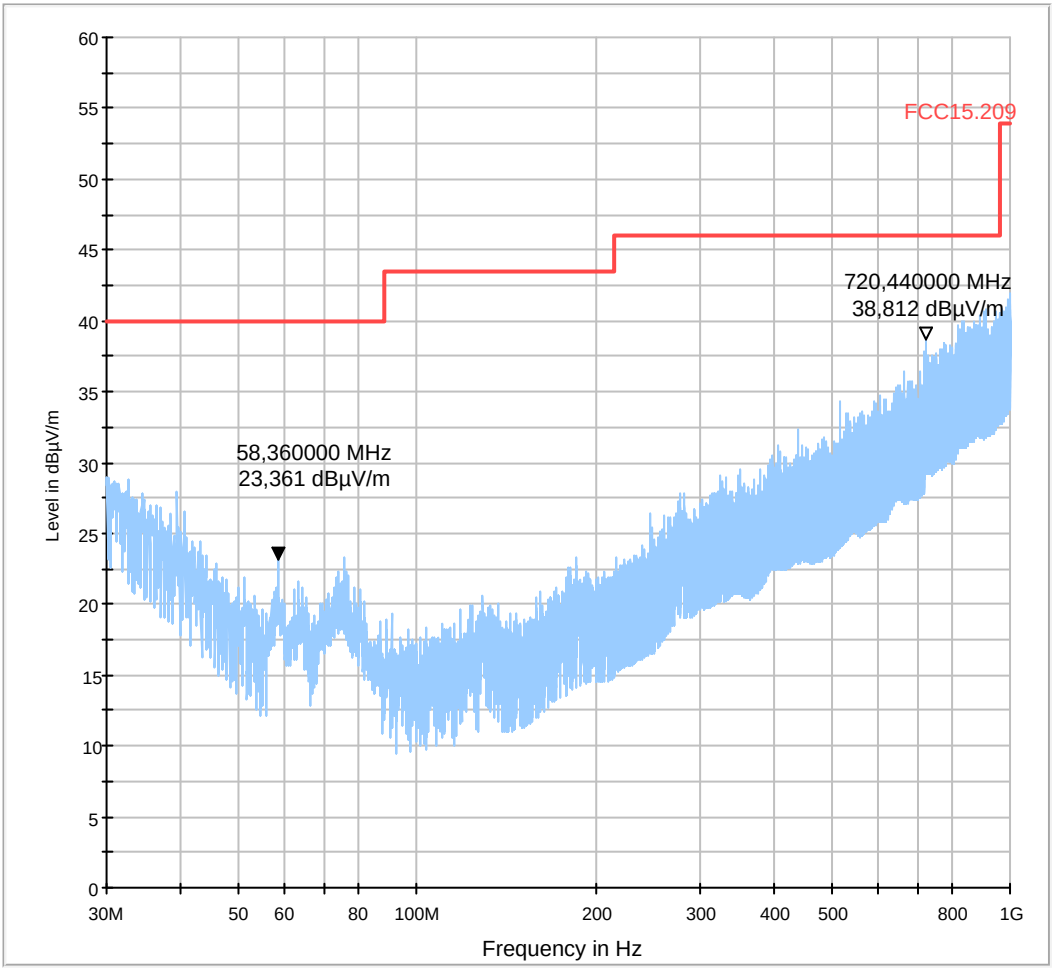


Diagram No. 3.06-1_RSE_R_Ch102_135

08.02.2013 Page 1 of 1

Test description:	Electric Fieldstrength 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:	lowpass 1200 MHz
Test specification.:	FCC 15.407(b); RSS-210 Issue 8
Operator:	kre
Operating conditions:	WLAN 5 GHz, n40-mode, Ch 102, 135 Mbps
Power during tests:	120V 60Hz
Comment 1:	2081046113-1c

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)
33.640000	22.0	1000.0	120.000	302.0	H	347.0	90.0	20.2	18.00

(continuation of the "Final Result 1" table from column 10 ...)

Frequency	Limit (dBµV/m
33.640000	40.00

01_FCC15.209_hor+vert_kipp

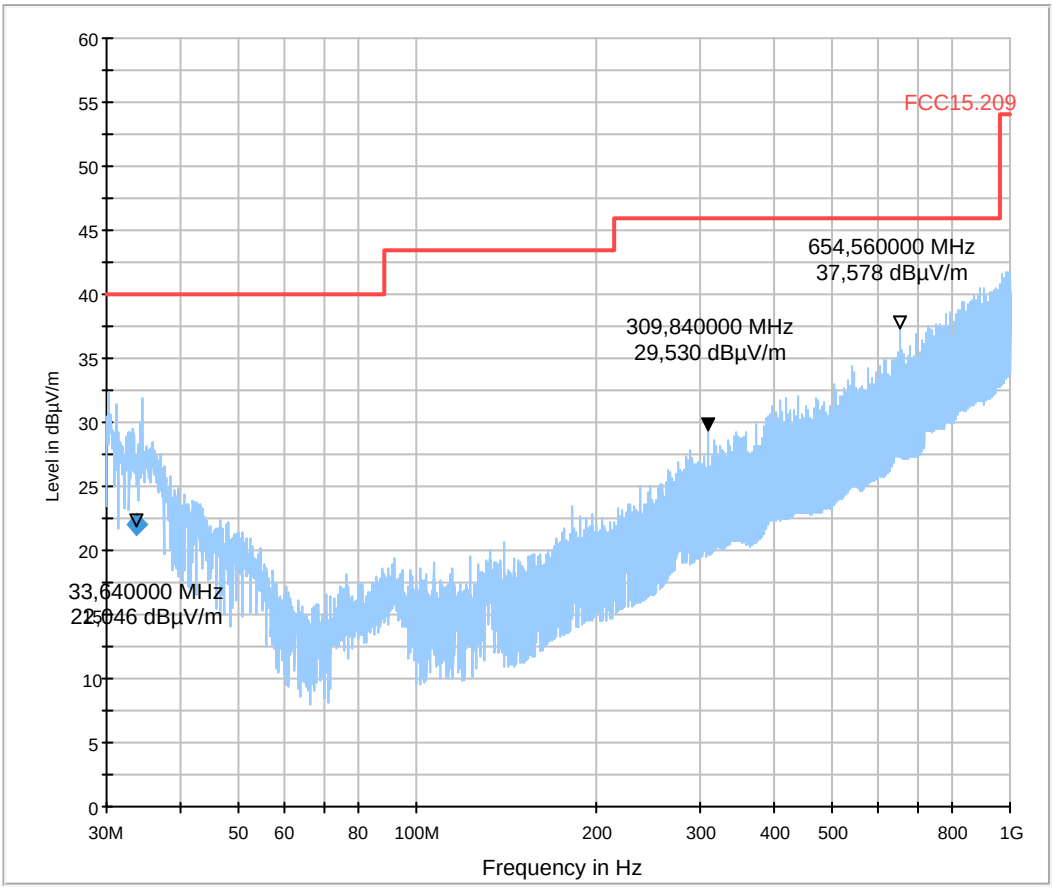


Diagram No. 3.06-2_RSE_R_Ch110_13,5

25.01.2013 Page 1 of 1

Test description:	Electric Fieldstrength 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:	lowpass 1200 MHz
Test specification.:	FCC 15.407(b); RSS-210 Issue 8
Operator:	Tas
Operating conditions:	WLAN 5 GHz, n40-mode, Ch 110, 13,5 Mbps
Power during tests:	120V 60Hz
Comment 1:	20810461-13-1c

EUT Information

EUT Name:	TS-0000-BV + AC-0400-EU + AI-0401
Manufacturer:	Sony
IMEI:	0000-0000-000328-5
S/N:	CB5A1N1KVK
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	#22469 AC charger plug EP880 + #22683 USB to micro USB cable (1m)

01_FCC15.209_hor+vert_kipp

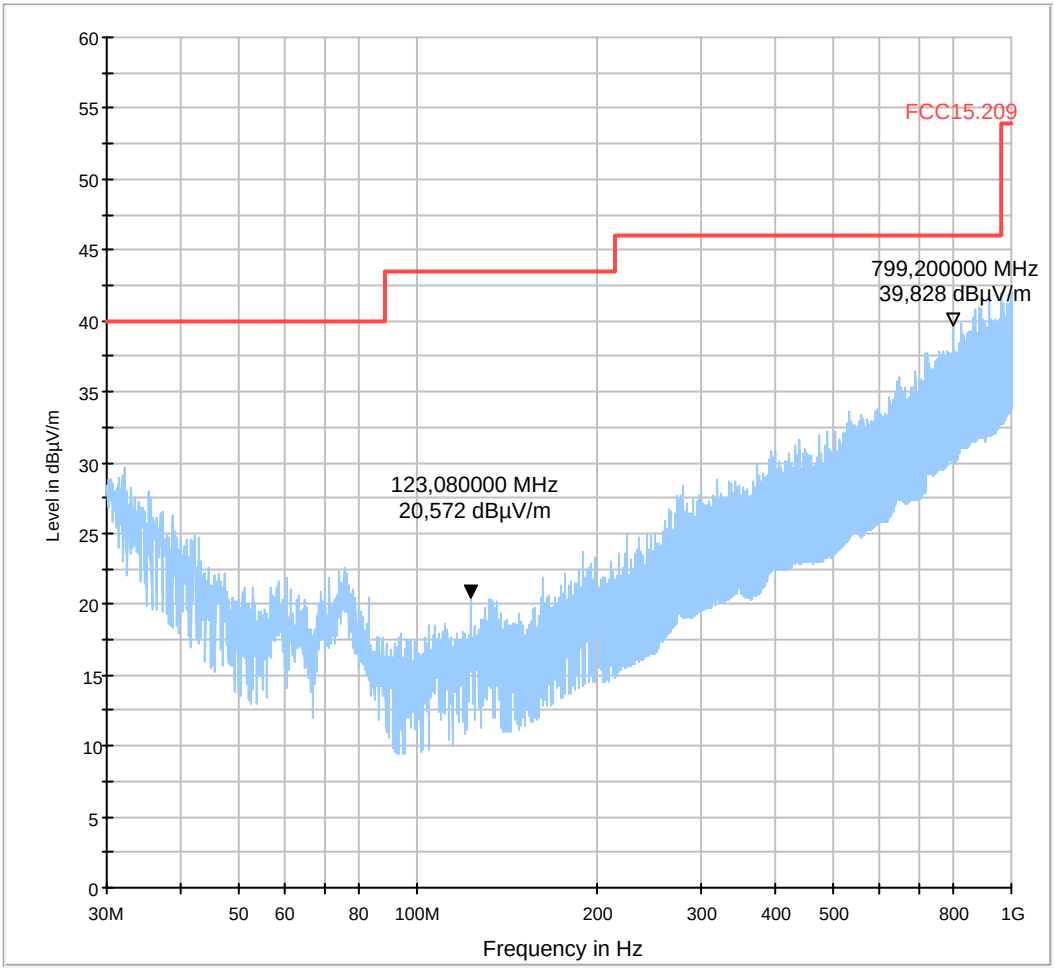
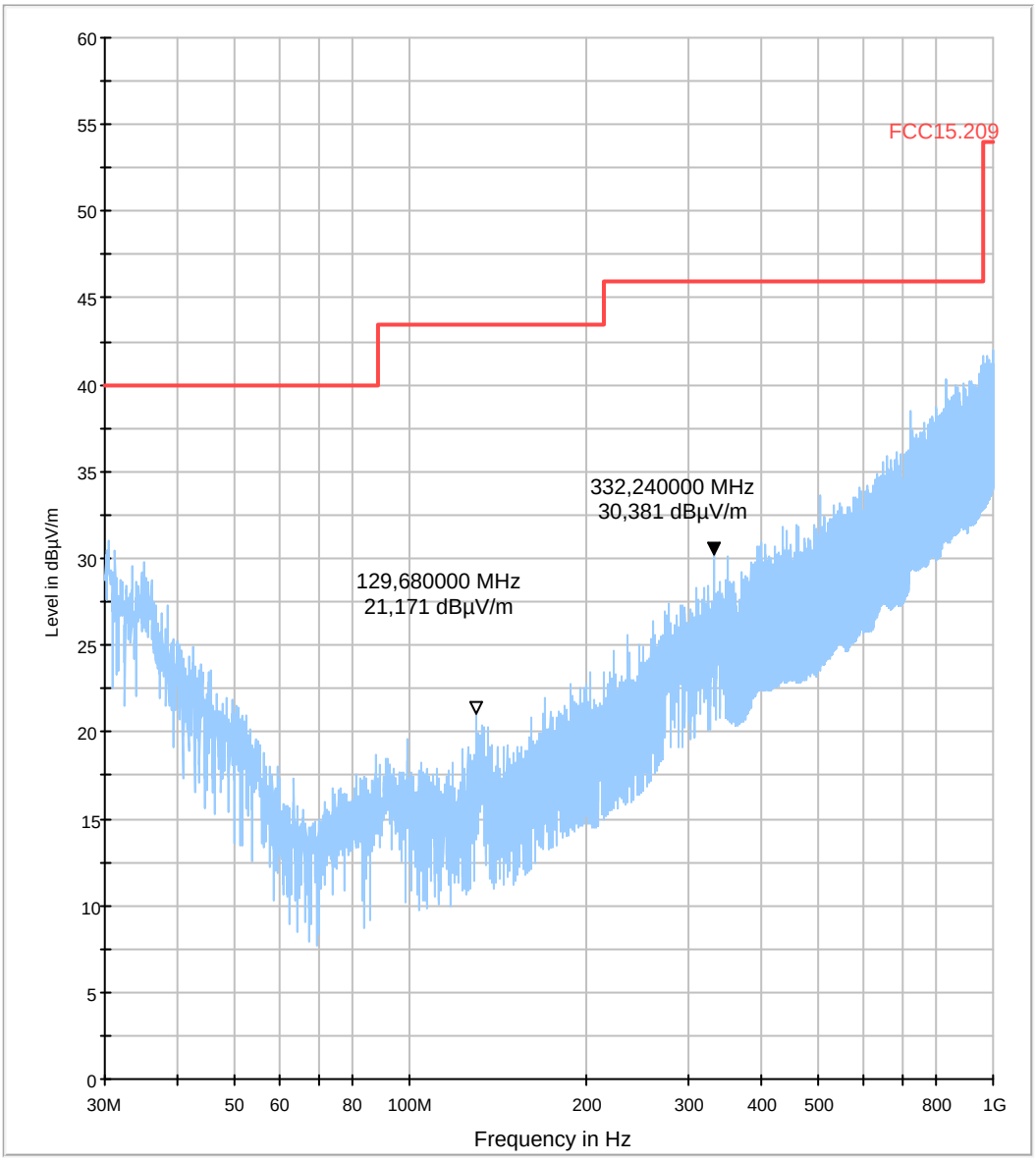


Diagram No. 3.06-3_RSE_R_Ch134_54

08.02.2013 Page 1 of 1

Test description:	Electric Fieldstrength 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:	lowpass 1200 MHz
Test specification.:	FCC 15.407(b); RSS-210 Issue 8
Operator:	kre
Operating conditions:	WLAN 5 GHz, n-mode, Ch 134, 54 Mbps
Power during tests:	120V 60Hz
Comment 1:	2081046113-1c

01_FCC15.209_hor+vert_kipp



2.3. 1 GHz < x < 18 GHz

4.04a-1_RSE_R_Ch36_54

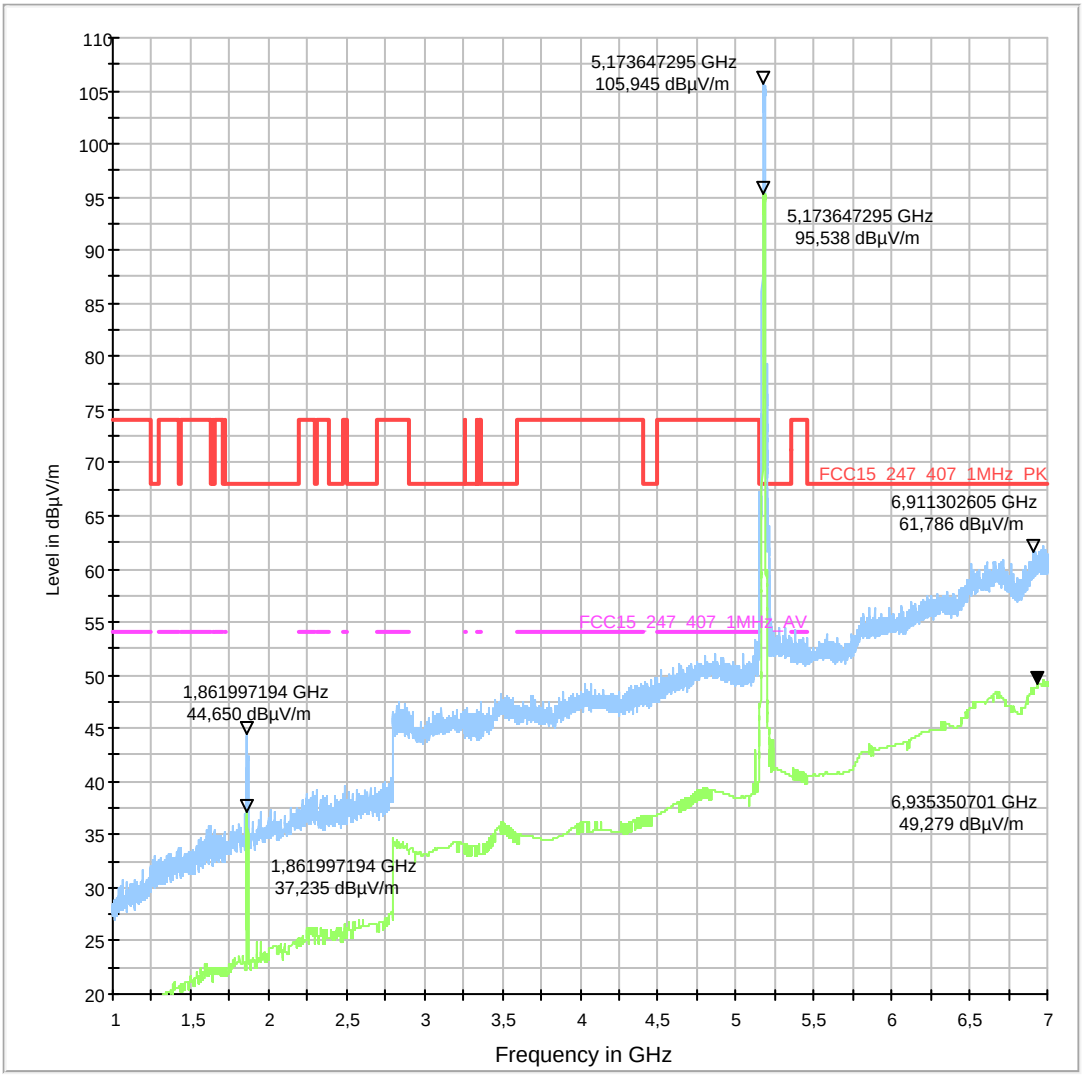
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	CETECOM GmbH Essen
Test SW:	EMC32 v8.53.0
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 15.407
Section	Exclusion band 5,17 - 5,24 GHz
Operating Mode:	WLAN-a, Ch 36, 54 Mbps (external interferrer 1,82 GHz)
Environmental Conditions:	Humidity: 30%rH; Temperature: 20°C
Operator:	Tas
	20810461-13-1c

EUT Information

EUT Name:	TS-0000-BV + AC-0400-EU + AI-0401
Manufacturer:	Sony
IMEI:	0000-0000-000328-5
S/N:	CB5A1N1KVK
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	#22469 AC charger plug EP880 + #22683 USB to micro USB cable (1m)

030452_FCC_Part15.247-15.407_RSE_WLAN_802.11a_1G-7G_FSEK



4.04a-2_RSE_R_Ch40_24

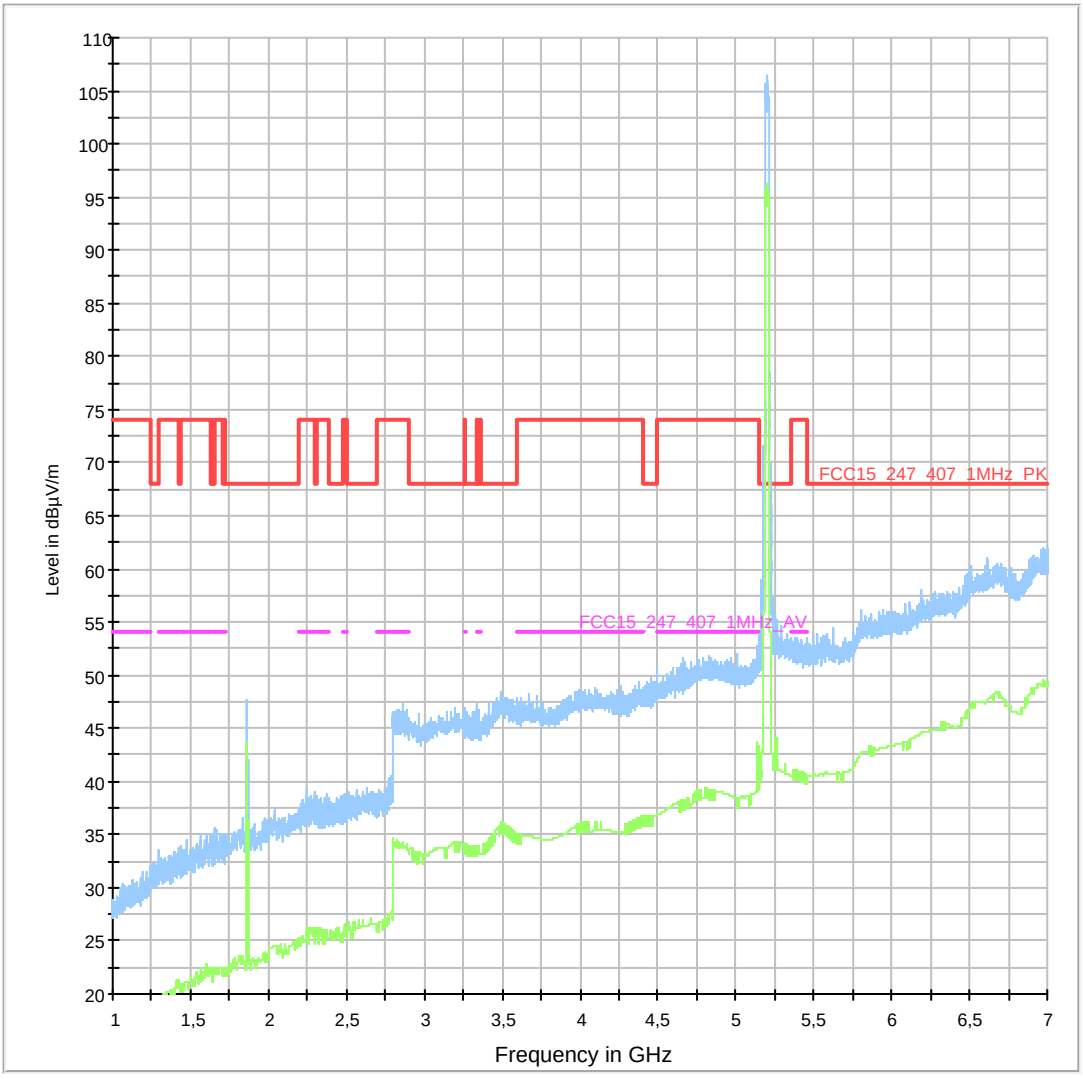
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	CETECOM GmbH Essen
Test SW:	EMC32 v8.53.0
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 15.247 / 15.407
Section	Exclusion band 5.18 - 5.24 GHz
Operating Mode:	WLAN-a, Ch 40, 24Mbps
Environmental Conditions:	Humidity: 51%rH; Temperature: 20°C
Operator:	Tas/Kpi
	20810461-13-1c

EUT Information

EUT Name:	TS-0000-BV + AC-0400-EU + AI-0401
Manufacturer:	Sony
IMEI:	0000-0000-000328-5
S/N:	CB5A1N1KVK
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	#22469 AC charger plug EP880 + #22683 USB to micro USB cable (1m)

030452_FCC_Part15.247-15.407_RSE_WLAN_802.11a_1G-7G_FSEK



4.04a-3_RSE_R_Ch48_6

Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	CETECOM GmbH Essen
Test SW:	EMC32 v8.53.0
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 15.247 / 15.407
Section	Exclusion band 5.18 - 5.24 GHz
Operating Mode:	WLAN-a, Ch 48, 6Mbps (External Interferrer 1867)
Environmental Conditions:	Humidity: 51%rH; Temperature: 20°C
Operator:	Tas/Kpi
	20810461-13-1c

EUT Information

EUT Name:	TS-0000-BV + AC-0400-EU + AI-0401
Manufacturer:	Sony
IMEI:	0000-0000-000328-5
S/N:	CB5A1N1KVK
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	#22469 AC charger plug EP880 + #22683 USB to micro USB cable (1m)

Final Result 1

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1430.103207	33.3	1000.0	1000.000	V	72.0	0.0	-1.6	34.7	68.0
5234.003006	105.5	1000.0	1000.000	H	227.0	0.0	6.5	---	---

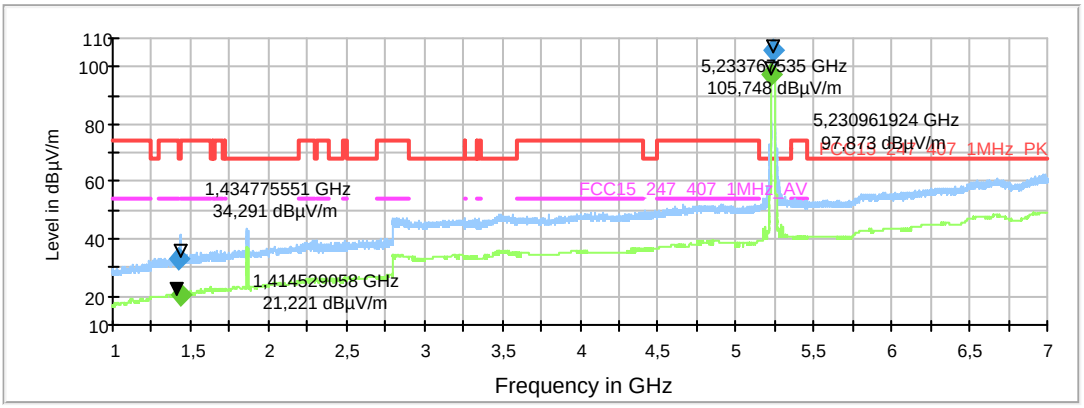
(Frequency (MHz)	Comment
1430.103207	
5234.003006	

Final Result 2

Frequency (MHz)	RMS (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1433.808617	20.2	1000.0	1000.000	V	43.0	0.0	-1.5	33.8	54
5233.401804	97.1	1000.0	1000.000	H	225.0	0.0	6.5	---	---

(Frequency (MHz)	Comment
1433.808617	
5233.401804	

030452_FCC_Part15.247-15.407_RSE_WLAN_802.11a_1G-7G_FSEK



4.04b-1_RSE_R_Ch36_54

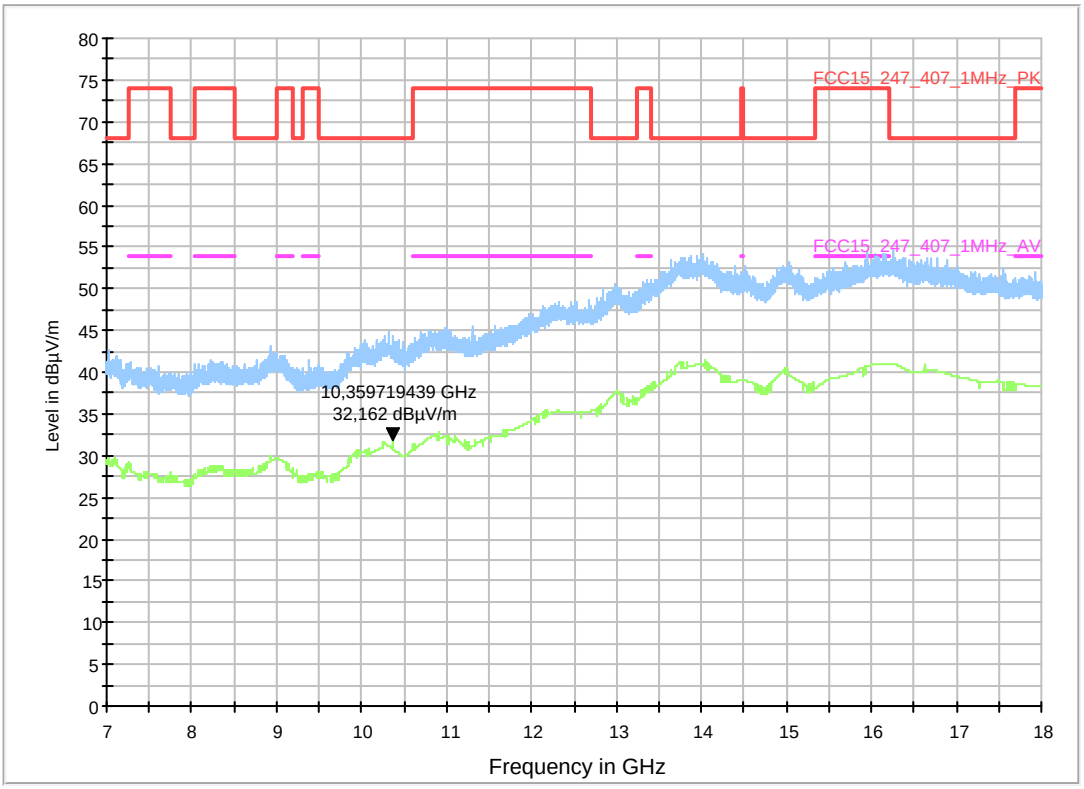
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 15.247 / 15.407
Section	-
Operating Mode:	WLAN A ch36, 54 Mbps
Equipment Class:	Class B
Environmental Conditions:	Humidity: 22%rH; Temperature: 20°C
Operator:	HLa
	20810461-13-1c

EUT Information

EUT Name:	TS-0000-BV + AC-0400-EU + AI-0401
Manufacturer:	Sony
IMEI:	0000-0000-000328-5
S/N:	CB5A1N1KVK
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	#22469 AC charger plug EP880 + #22683 USB to micro USB cable (1m)

030453_FCC_Part15.247-15.407_RSE_WLAN_802.11a_7G-18G_FSEK



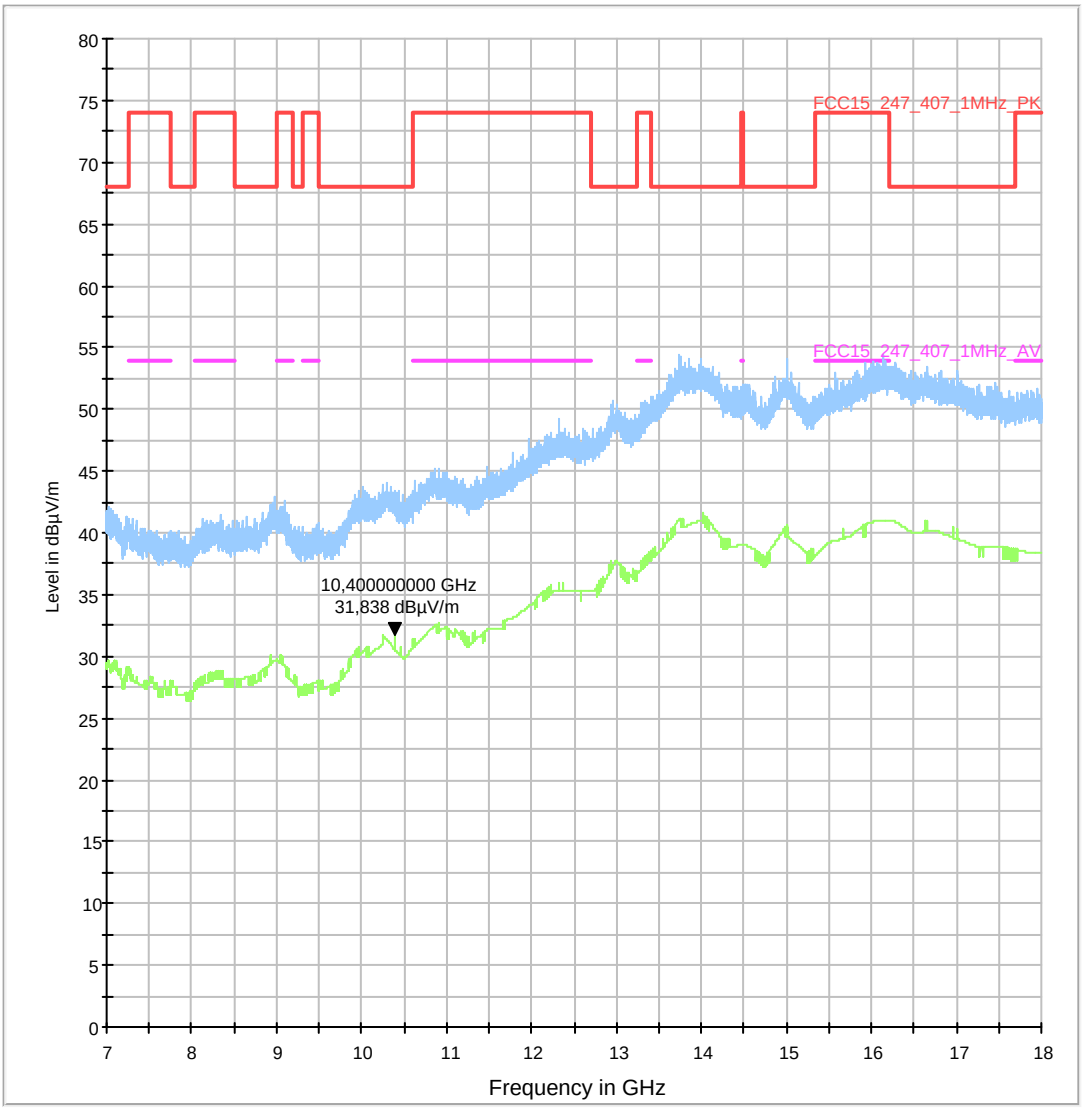
4.04b-2_RSE_R_Ch40_24

Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 15.407
Section	-
Operating Mode:	WLAN 802.11a -mode, continously tx CH 40; Data rate 24 Mbps
Equipment AC:	120V / 60 Hz
Environmental Conditions:	Humidity: 22%rH; Temperature: 19°C
Operator:	YZH
	20810461-13-1c

EUT Information

EUT Name:	TS-0000-BV + AC-0400-EU + AI-0401
Manufacturer:	Sony
IMEI:	0000-0000-000328-5
S/N:	CB5A1N1KVK
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	#22469 AC charger plug EP880 + #22683 USB to micro USB cable (1m)



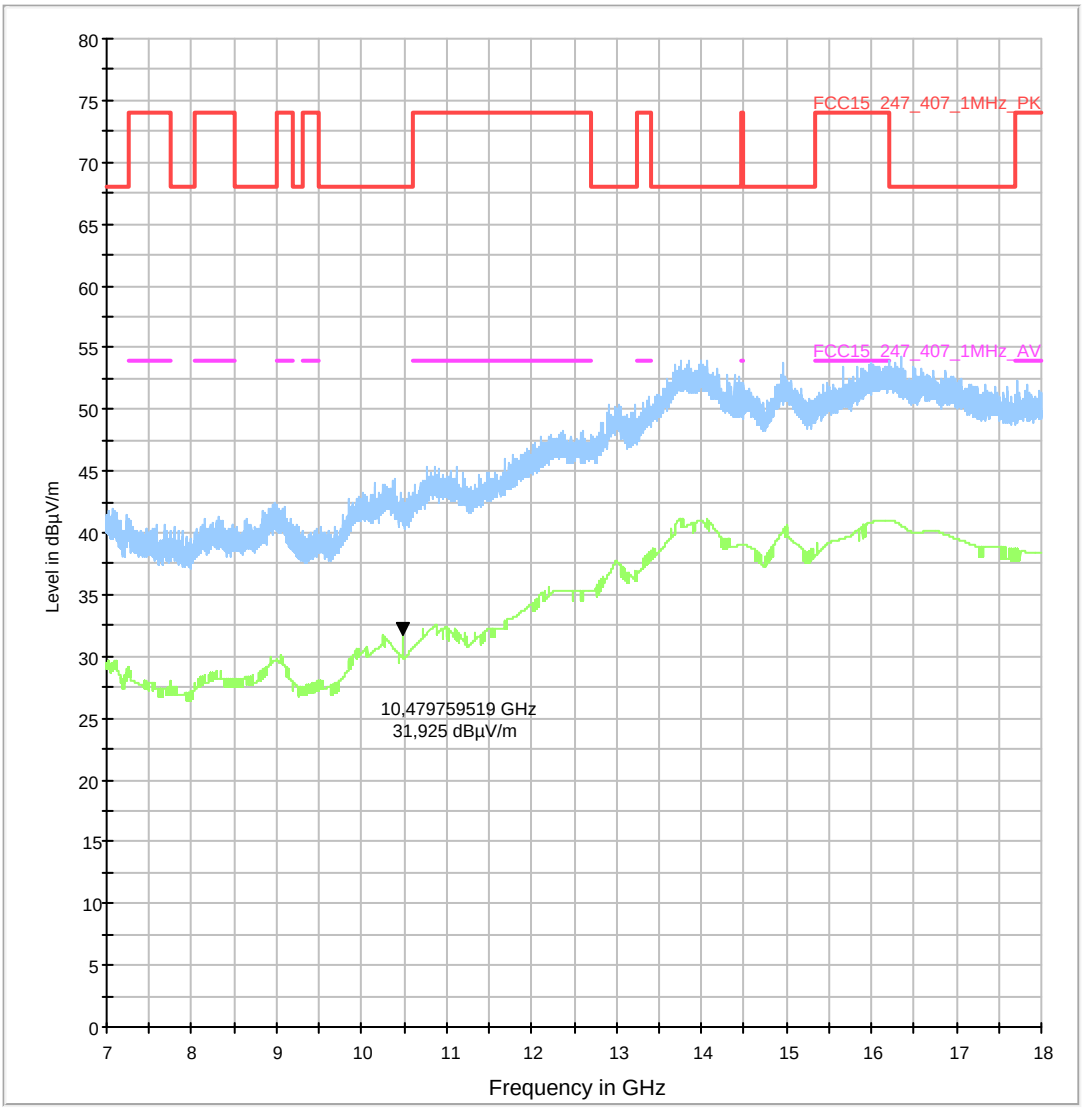
4.04b-3_RSE_R_Ch48_6

Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 15.247
Section	-
Operating Mode:	WLAN 802.11a -mode, continously tx CH 48; Data rate 6 Mbps
Equipment AC:	120V / 60 Hz
Environmental Conditions:	Humidity: 22%rH; Temperature: 19°C
Operator:	HLa
	20810461-13-1c

EUT Information

EUT Name:	TS-0000-BV + AC-0400-EU + AI-0401
Manufacturer:	Sony
IMEI:	0000-0000-000328-5
S/N:	CB5A1N1KVK
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	#22469 AC charger plug EP880 + #22683 USB to micro USB cable (1m)



4.05a-1_RSE_R_Ch52_6,5

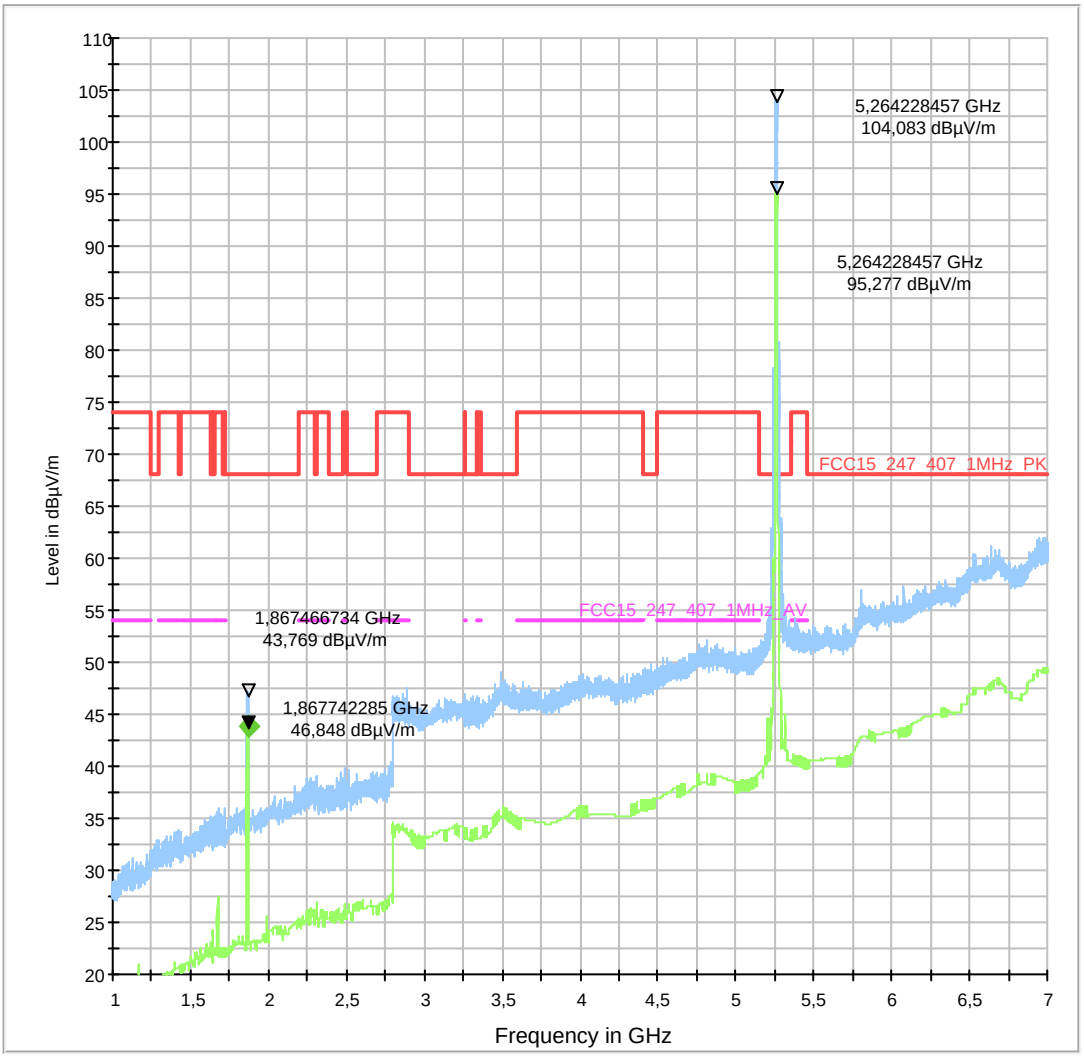
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	CETECOM GmbH Essen
Test SW:	EMC32 v8.53.0
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 15.247 / 15.407
Section	Exclusion band 5.25 - 5.35 GHz
External Interferrer	1867MHz
Operating Mode:	WLAN-n20, Ch 48, 6Mbps
Environmental Conditions:	Humidity: 51%rH; Temperature: 20°C
Operator:	Tas/Kpi
	20810461-13-1c

EUT Information

EUT Name:	TS-0000-BV + AC-0400-EU + AI-0401
Manufacturer:	Sony
IMEI:	0000-0000-000328-5
S/N:	CB5A1N1KVK
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	#22469 AC charger plug EP880 + #22683 USB to micro USB cable (1m)

030452_FCC_Part15.247-15.407_RSE_WLAN_802.11a_1G-7G_FSEK



4.05a-2_RSE_R_Ch56_26Mbps

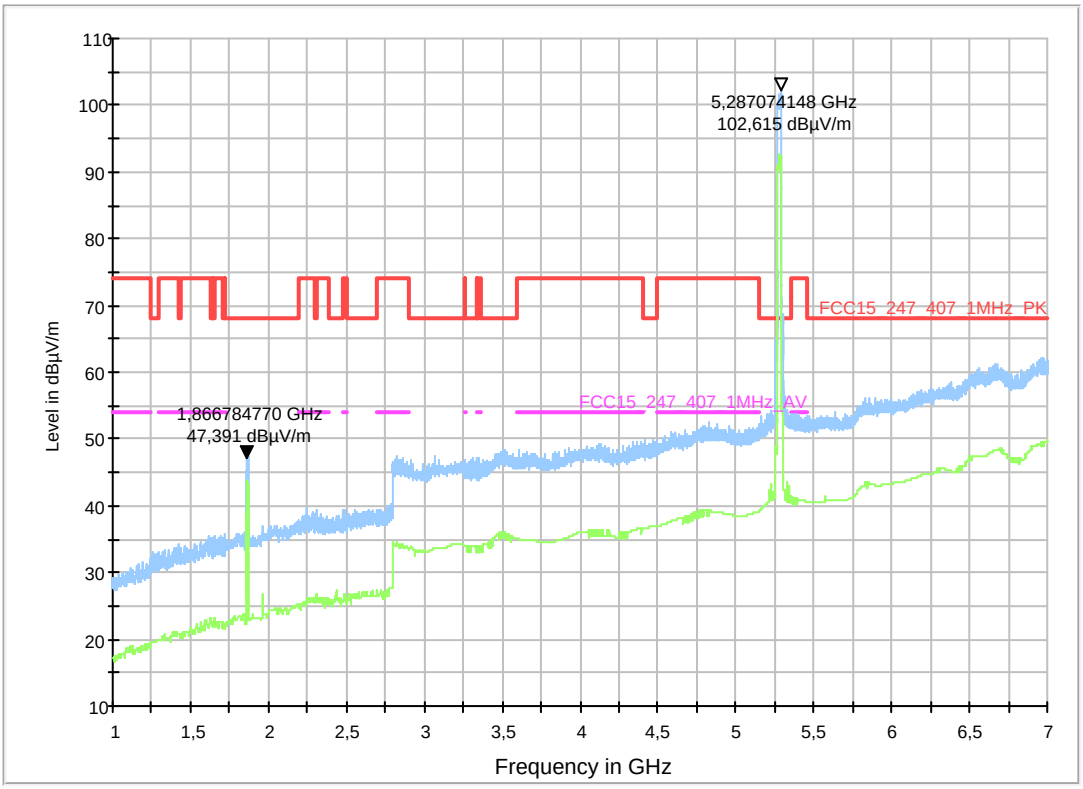
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 15.247 / 15.407
Section	Exclusion band 5.25 - 5.35 GHz
Operating Mode:	TX-on, n20-mode, Channel 56, 26Mbps
Environmental Conditions:	Humidity: 22%rH; Temperature: 30°C
Operator:	Lor

EUT Information

EUT Name:	Tablet Pollux + AC/DC Adapter + USB cable
Manufacturer:	Sony
Serial Number:	#rad1

030452_FCC_Part15.247-15.407_RSE_WLAN_802.11a_1G-7G_FSEK



4.05a-3_RSE_R_Ch64_65Mbps

Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 15.247 / 15.407
Section	Exclusion band 5.25 - 5.35 GHz
Operating Mode:	TX-on, n20-mode, Channel 64, 65 Mbps
Environmental Conditions:	Humidity: 22%rH; Temperature: 30°C
Operator:	Lor

EUT Information

EUT Name:	Tablet Pollux + AC/DC Adapter + USB cable
Manufacturer:	Sony
Serial Number:	#rad1

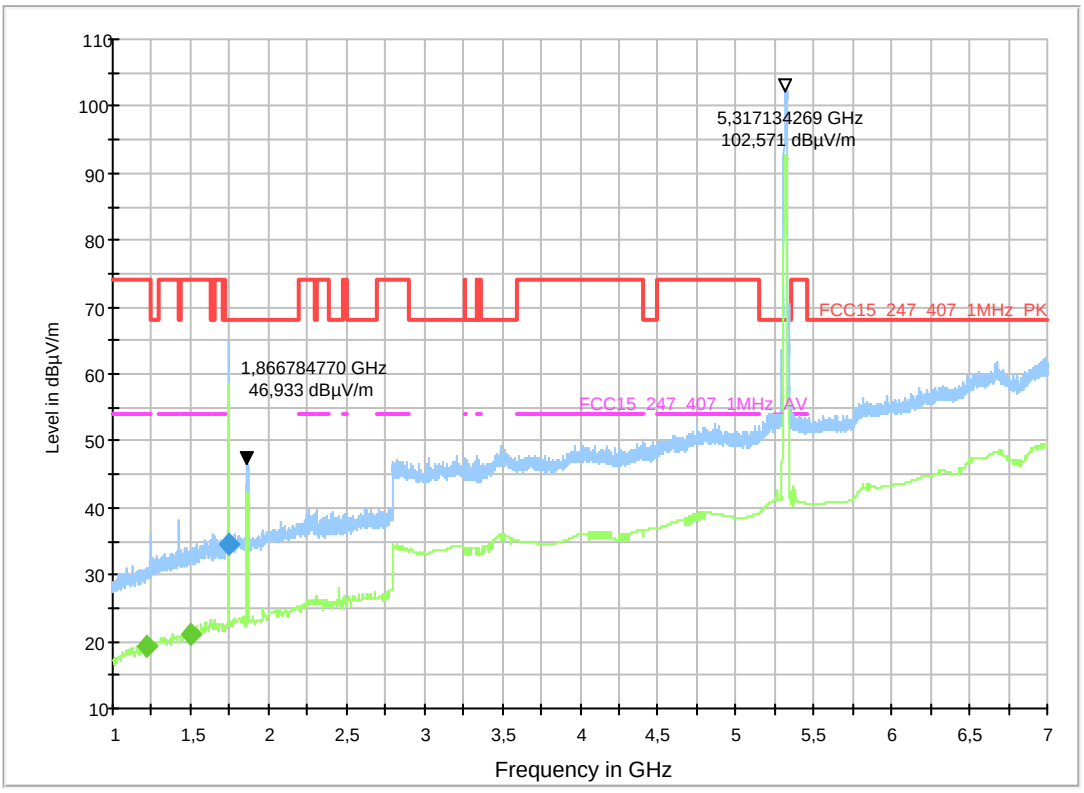
Final Measurement Result 1

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Comment
1747.249499	34.4	---	1000.0	1000.000	V	75.0	0.0	0.3	

Final Measurement Result 2

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Comment
1224.063126	---	19.3	1000.0	1000.000	V	117.0	0.0	-3.1	
1506.012024	---	21.2	1000.0	1000.000	V	216.0	0.0	-1.1	

030452_FCC_Part15.247-15.407_RSE_WLAN_802.11a_1G-7G_FSEK



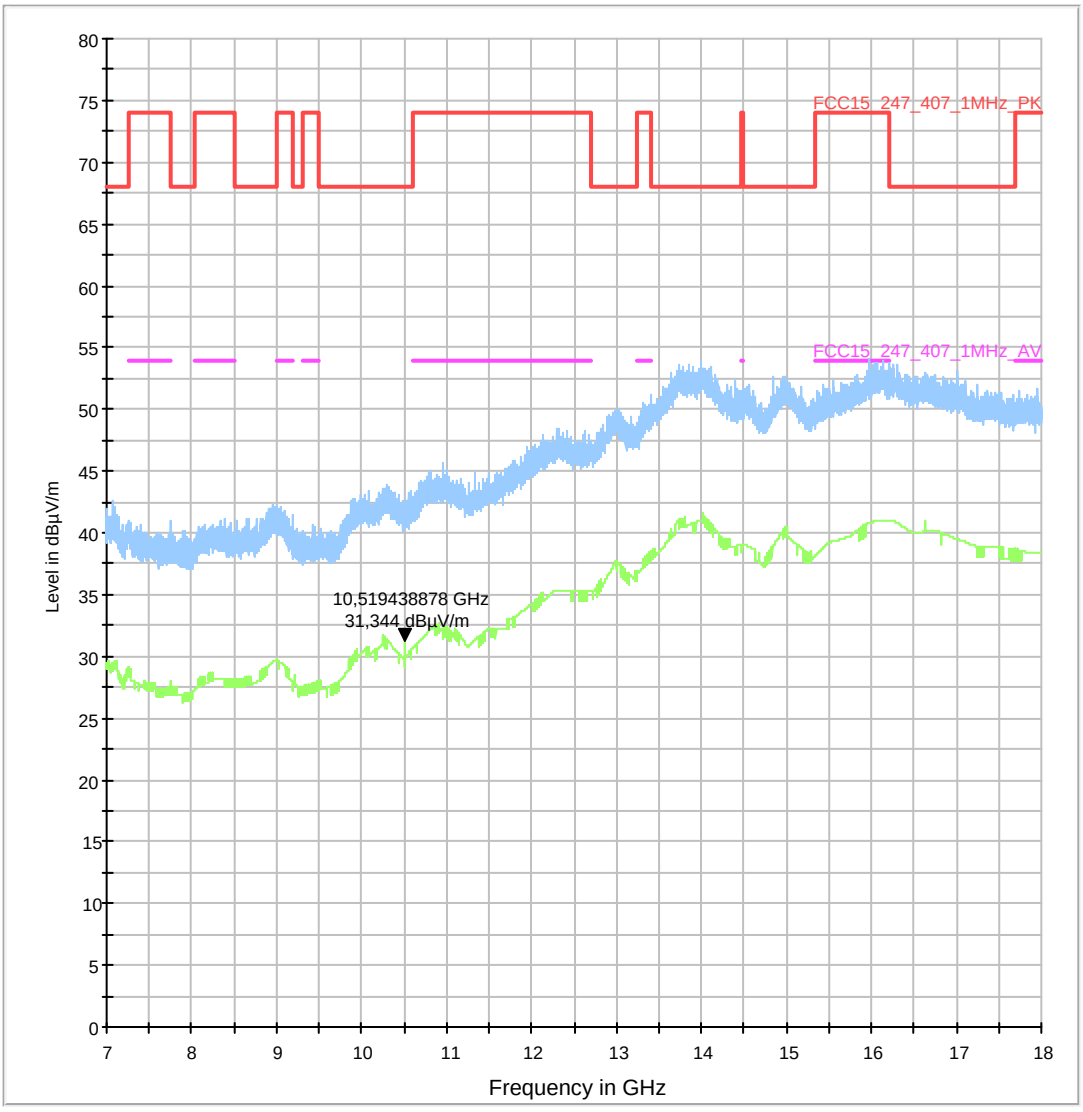
4.05b-1_RSE_R_Ch52_6,5

Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 15.407
Section	-
Operating Mode:	WLAN 802.11n 20-mode, continously tx CH 52; Data rate 6,5 Mbps
Equipment AC:	110V / 60 Hz
Environmental Conditions:	Humidity: 22%rH; Temperature: 19°C
Operator:	HLa
	20810461-13-1c

EUT Information

EUT Name:	TS-0000-BV + AC-0400-EU + AI-0401
Manufacturer:	Sony
IMEI:	0000-0000-000328-5
S/N:	CB5A1N1KVK
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	#22469 AC charger plug EP880 + #22683 USB to micro USB cable (1m)



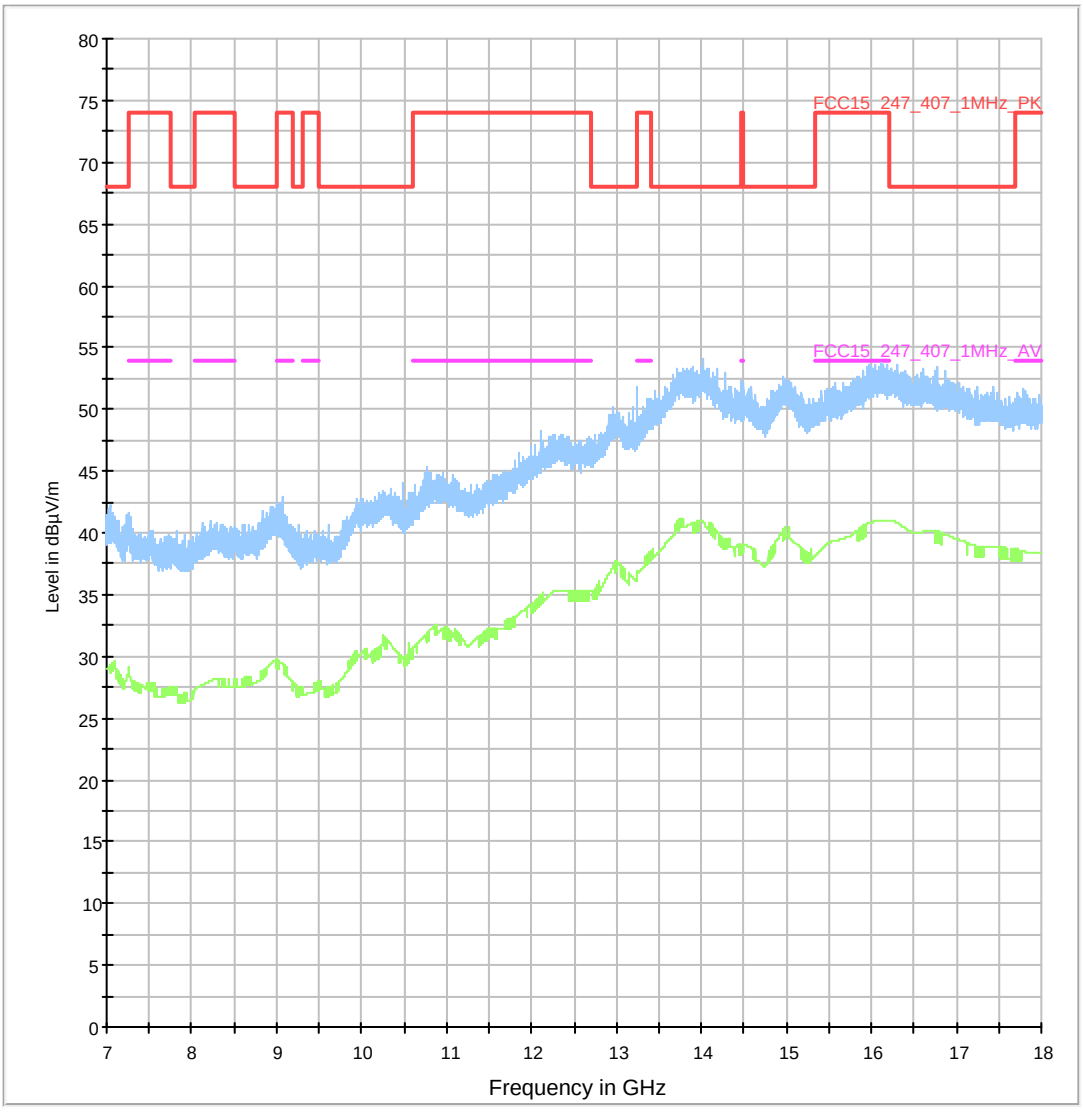
4.05b-1_RSE_R_Ch56_26

Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 15.247
Section	-
Operating Mode:	WLAN 802.11n 20-mode, continously tx CH 56; Data rate 26 Mbps
Equipment AC:	120V / 60 Hz
Environmental Conditions:	Humidity: 22%rH; Temperature: 19°C
Operator:	HLa
	20810461-13-1c

EUT Information

EUT Name:	TS-0000-BV + AC-0400-EU + AI-0401
Manufacturer:	Sony
IMEI:	0000-0000-000328-5
S/N:	CB5A1N1KVK
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	#22469 AC charger plug EP880 + #22683 USB to micro USB cable (1m)



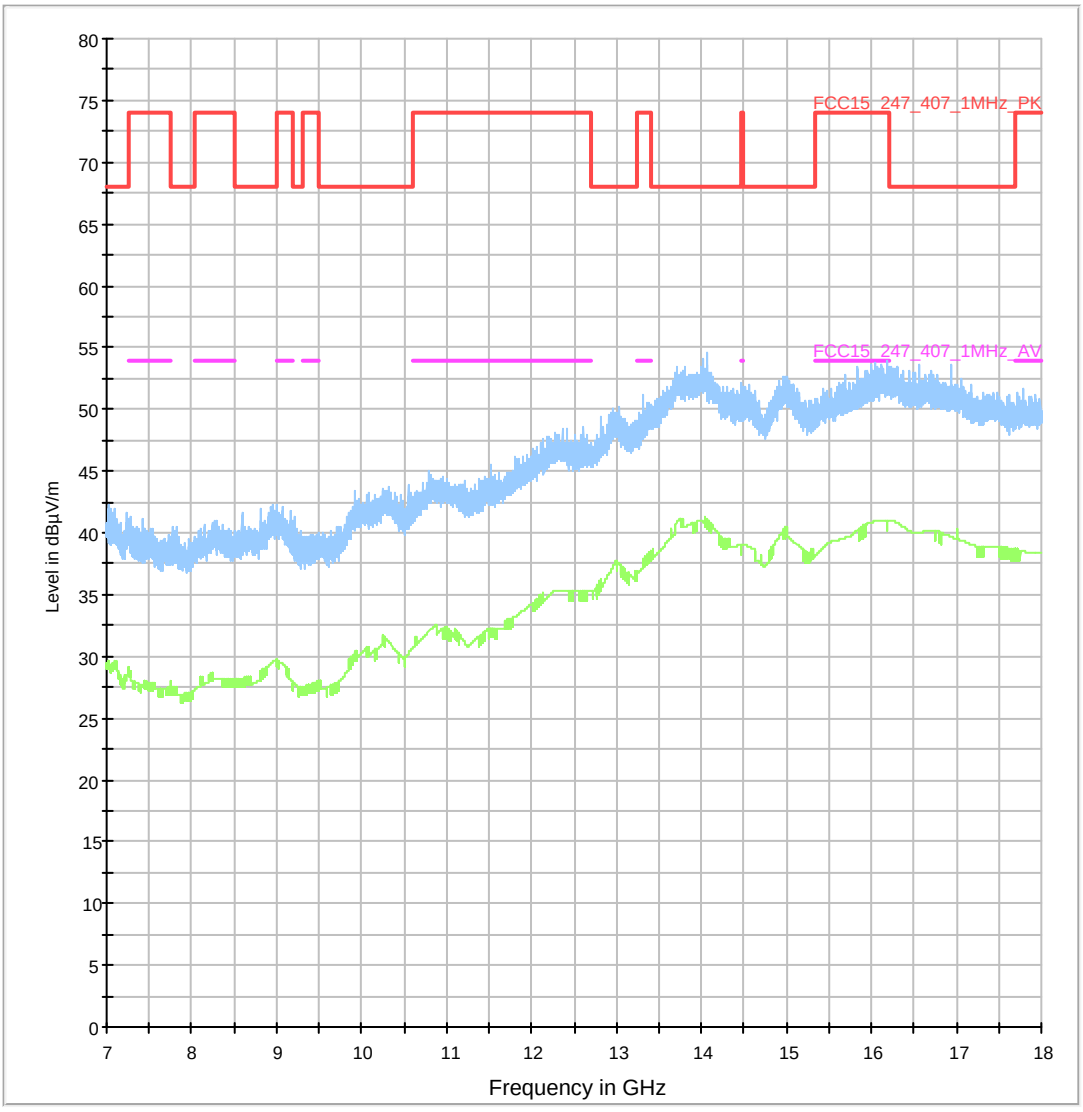
4.05b-3_RSE_R_Ch64_65

Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 15.407
Section	-
Operating Mode:	WLAN 802.11n 20-mode, continously tx CH 64; Data rate 65 Mbps
Equipment AC:	120V / 60 Hz
Environmental Conditions:	Humidity: 22%rH; Temperature: 19°C
Operator:	HLa
	20810461-13-1c

EUT Information

EUT Name:	TS-0000-BV + AC-0400-EU + AI-0401
Manufacturer:	Sony
IMEI:	0000-0000-000328-5
S/N:	CB5A1N1KVK
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	#22469 AC charger plug EP880 + #22683 USB to micro USB cable (1m)



4.06a-1_RSE_R_Ch100_65Mbps

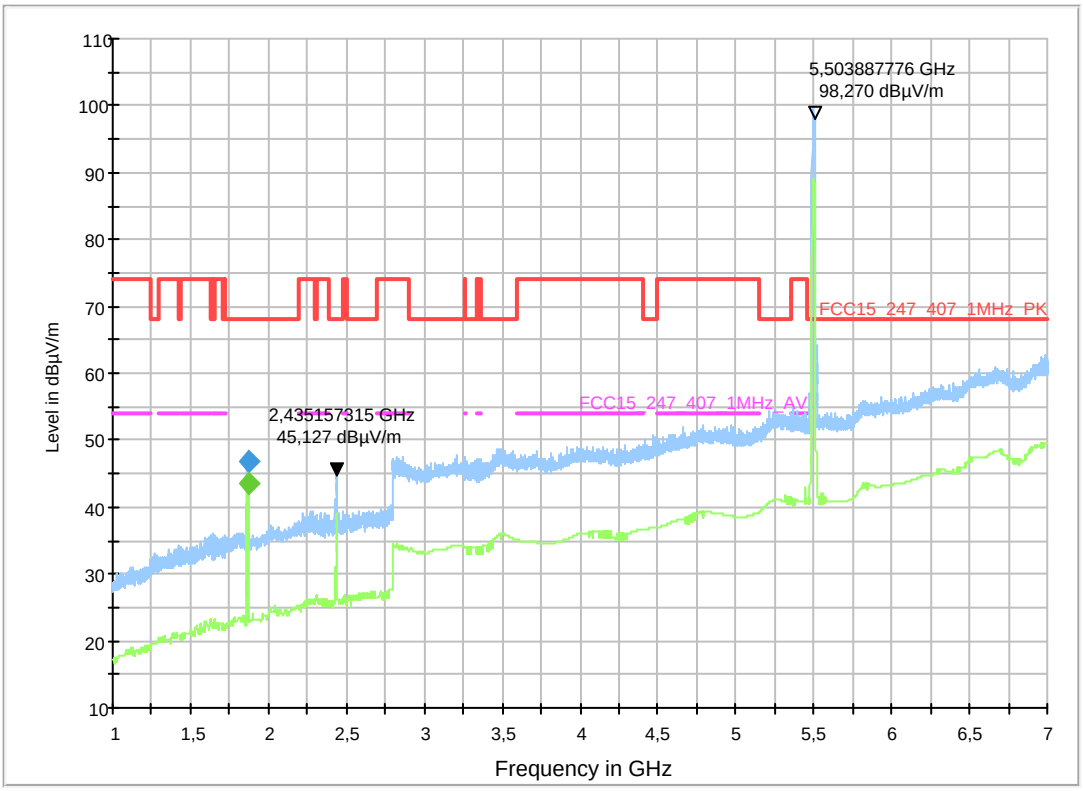
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 15.247 / 15.407
Section	Exclusion band 5.47 - 5.725 GHz
Operating Mode:	TX-on, n40-mode, Channel 100, 65Mbps
Environmental Conditions:	Humidity: 22%rH; Temperature: 30°C
Operator:	Lor

EUT Information

EUT Name:	Tablet Pollux + AC/DC Adapter + USB cable
Manufacturer:	Sony
Serial Number:	#rad2

030452_FCC_Part15.247-15.407_RSE_WLAN_802.11a_1G-7G_FSEK



4.06a-2_RSE_R_Ch116_6.5Mbps

Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 15.247 / 15.407
Section	Exclusion band 5.47 - 5.725 GHz
Operating Mode:	TX-on,n40-mode Channel 116, 6,5Mbps
Environmental Conditions:	Humidity: 22%rH; Temperature: 30°C
Operator:	Lor

EUT Information

EUT Name:	Tablet Pollux + AC/DC Adapter + USB cable
Manufacturer:	Sony
Serial Number:	#rad2

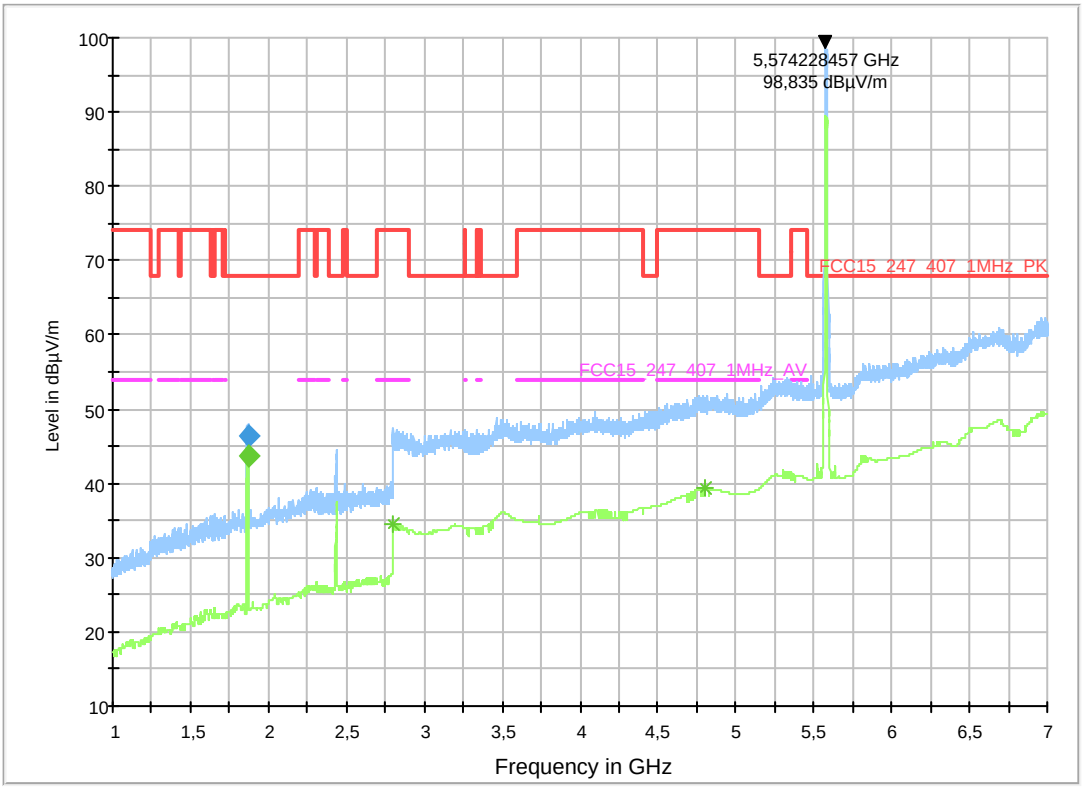
Final Measurement Result 1

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Comment
1867.516834	46.4	---	1000.0	1000.000	H	61.0	0.0	1.3	

Final Measurement Result 2

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Comment
1867.516834	---	43.6	1000.0	1000.000	H	61.0	0.0	1.3	

030452_FCC_Part15.247-15.407_RSE_WLAN_802.11a_1G-7G_FSEK



4.06a-3_RSE_R_Ch140_39Mbps

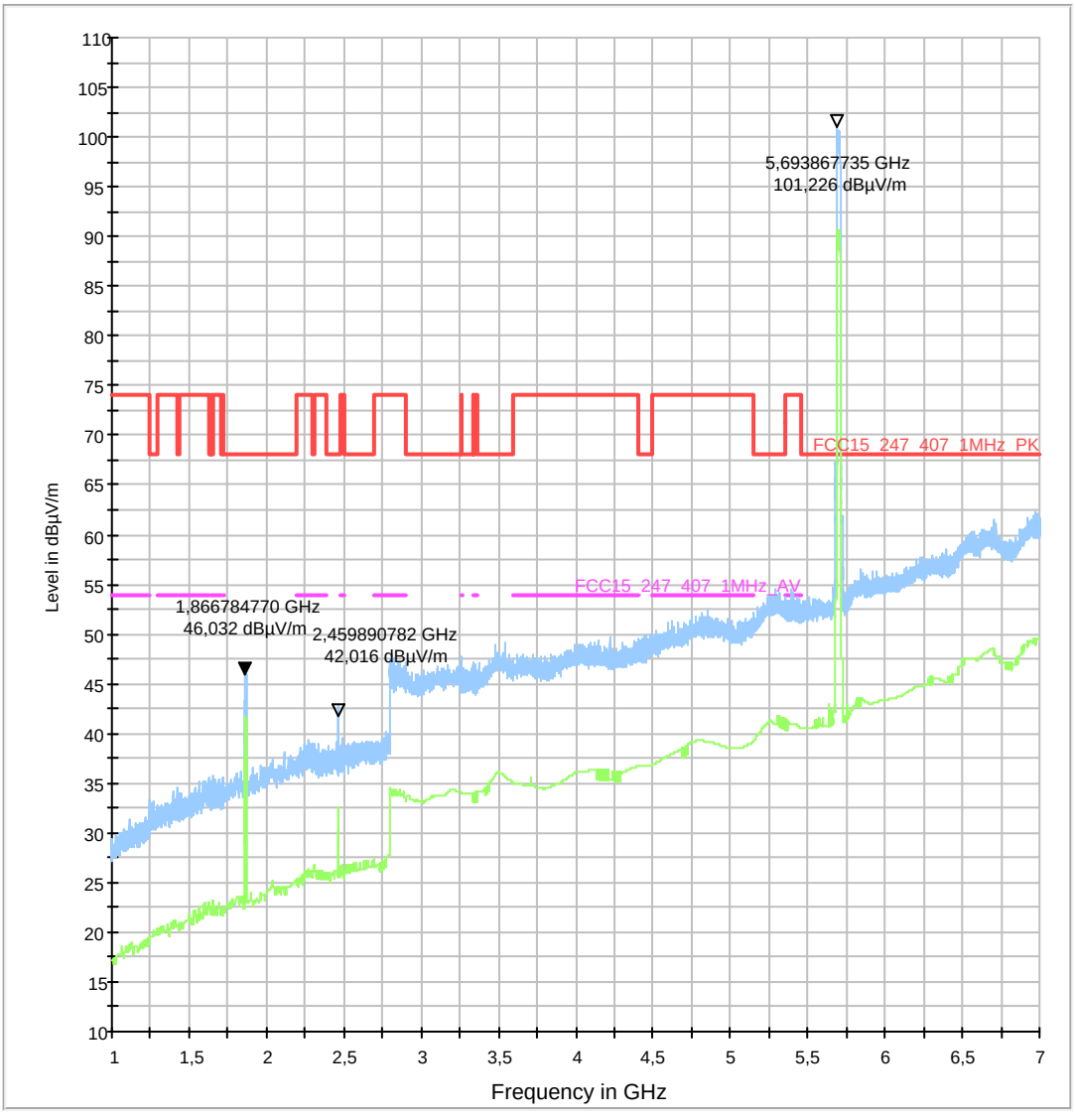
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 15.247 / 15.407
Section	Exclusion band 5.47 - 5.725 GHz
Operating Mode:	TX-on, n40-mode Channel 140, 39Mbps
Environmental Conditions:	Humidity: 22%rH; Temperature: 30°C
Operator:	Lor

EUT Information

EUT Name:	TS-0000-BV + AC-0400-EU + AI-0401
Manufacturer:	Sony
IMEI:	0000-0000-000331-9
S/N:	CB5A1N1KWT
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	#22469 AC charger plug EP880 + #22683 USB to micro USB cable (1m)

030452_FCC_Part15.247-15.407_RSE_WLAN_802.11a_1G-7G_FSEK



4.06b-1_RSE_R_Ch012_135

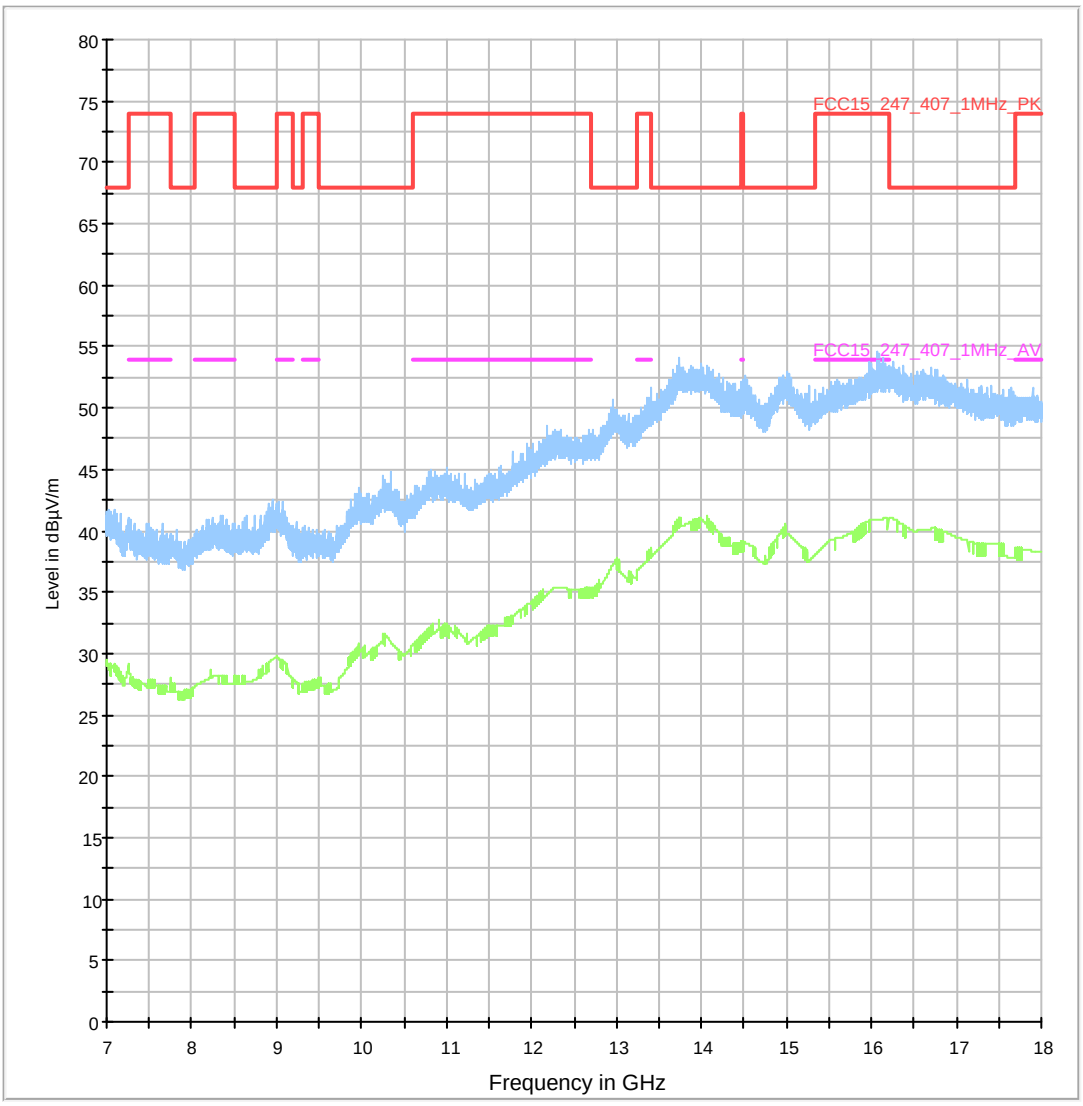
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 15.407
Operating Mode:	WLAN (n40), Ch 102, 135Mbps (120 V AC/ 60 Hz)
Test SW:	EMC32 v8.53.0
Environmental Conditions:	Humidity: 40%rH; Temperature: 20°C
Operator:	Tas
	20810461-13-1a

EUT Information

EUT Name:	TS-0000-BV + AC-0400-EU + AI-0403
Manufacturer:	Sony
IMEI:	0000-0000-000328-5
S/N:	CB5A1N1KVK
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	#22469 AC charger plug EP880 + #23689 USB to micro USB cable (1m)

030453_FCC_Part15.247-15.407_RSE_WLAN_802.11a_7G-18G_FSEK



4.06b-2_RSE_R_Ch110_13.5

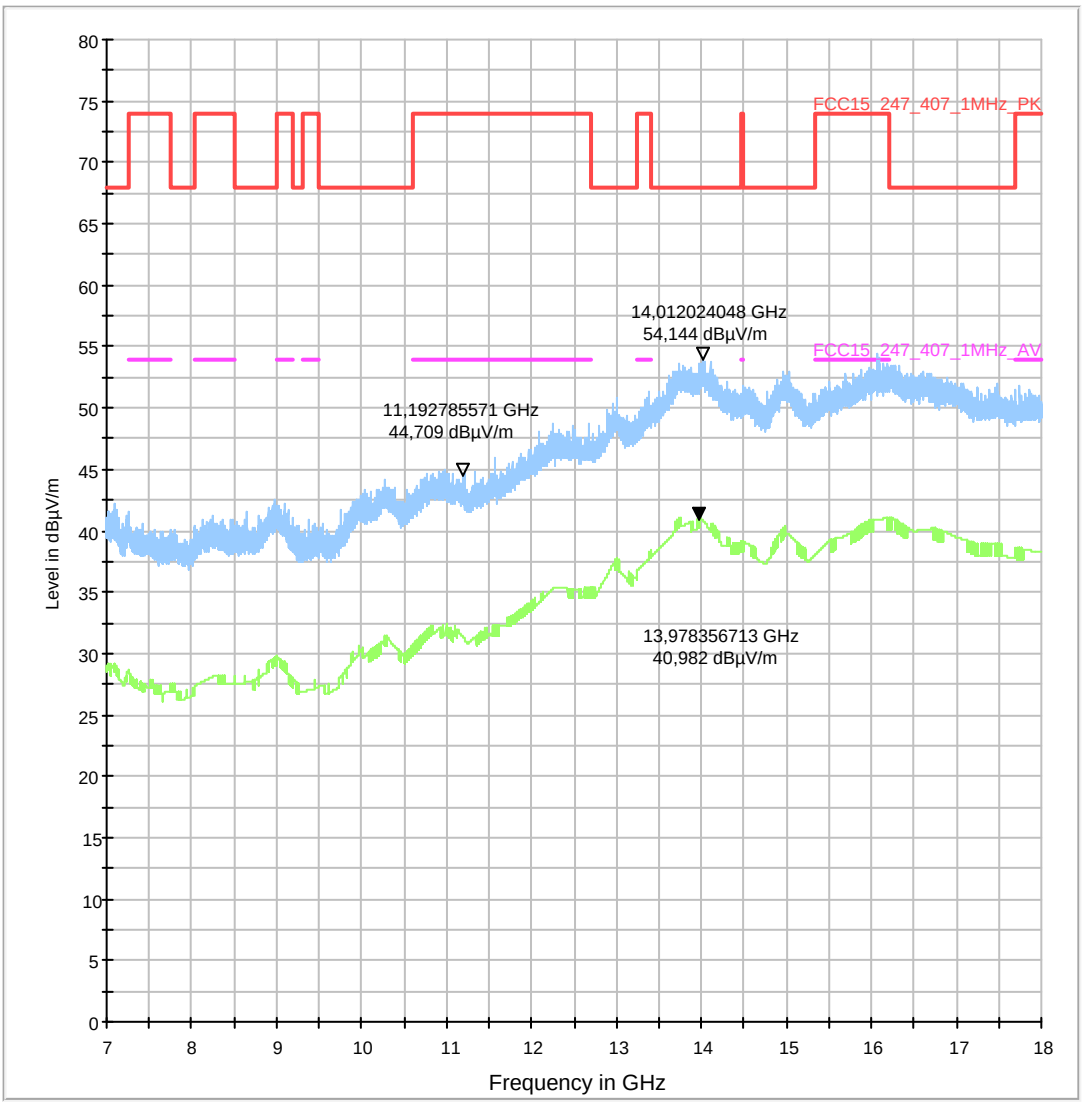
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 15.407
Operating Mode:	WLAN (n40), Ch 110, 13,5 Mbps (120 V AC/ 60 Hz)
Test SW:	EMC32 v8.53.0
Environmental Conditions:	Humidity: 40%rH; Temperature: 20°C
Operator:	Tas
	20810461-13-1c

EUT Information

EUT Name:	TS-0000-BV + AC-0400-EU + AI-0403
Manufacturer:	Sony
IMEI:	0000-0000-000328-5
S/N:	CB5A1N1KVK
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	#22469 AC charger plug EP880 + #23689 USB to micro USB cable (1m)

030453_FCC_Part15.247-15.407_RSE_WLAN_802.11a_7G-18G_FSEK



4.06b-3_RSE_R_Ch134_54

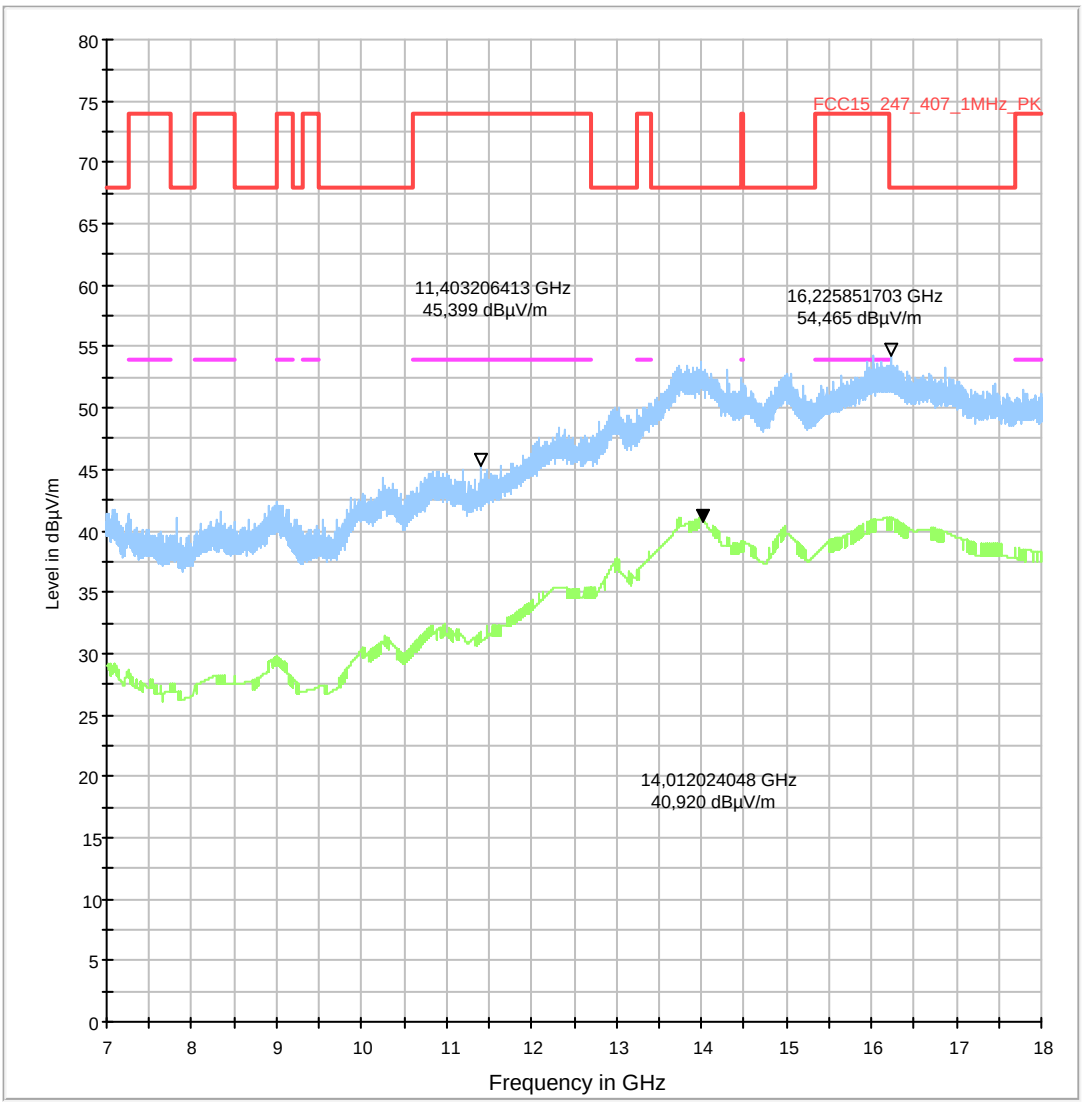
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 15.407
Operating Mode:	WLAN (n40), Ch 134, 54 Mbps (120 V AC/ 60 Hz)
Test SW:	EMC32 v8.53.0
Environmental Conditions:	Humidity: 40%rH; Temperature: 20°C
Operator:	Tas
	20810461-13-1c

EUT Information

EUT Name:	TS-0000-BV + AC-0400-EU + AI-0403
Manufacturer:	Sony
IMEI:	0000-0000-000328-5
S/N:	CB5A1N1KVK
FW:	ATPV: 1267-7120, s_atp_pollux_windy_0_0_32_3_g_wlan
Accessories:	#22469 AC charger plug EP880 + #23689 USB to micro USB cable (1m)

030453_FCC_Part15.247-15.407_RSE_WLAN_802.11a_7G-18G_FSEK



2.4. 18 GHz < x < 40 GHz

Diagram No.: 4.04-1_RSE_R_Ch36_54

Common Information

Test Description:	Radiated field strength emission
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407 UNII-Devices
Antenna polarisation:	horizontal/vertical
Operation mode:	TX mode continuous, 802.11a
Operator Name:	Lor
Comment:	5 GHz WLAN / Ch36/ 54MBps

EUT Information

EUT Name:	Wireless Tablet Pollux-Windy
Manufacturer:	Sony
Serial Number:	CB5A1N1KP1
Hardware Rev:	
Software Rev:	
Comment:	Sample EUT E

EMI Scan_14_40GHz_Pre

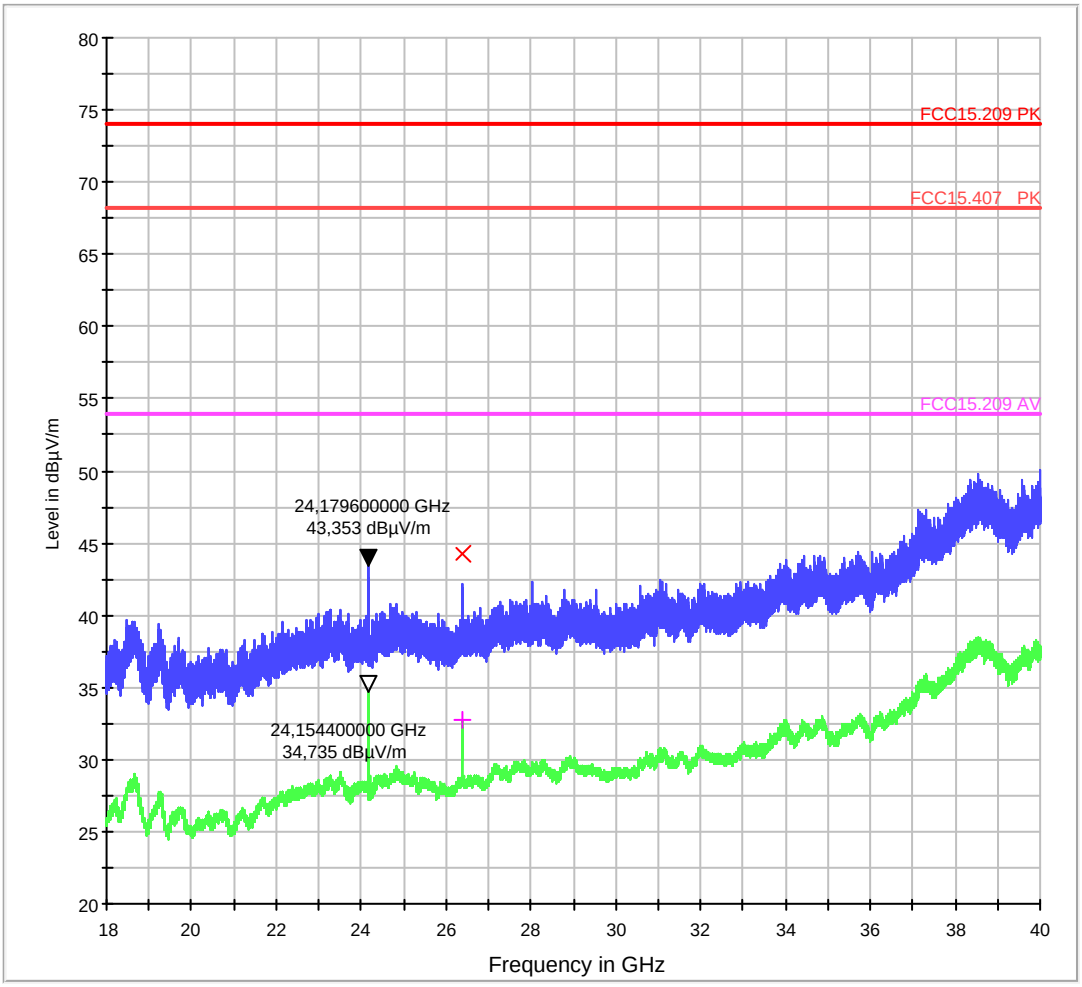


Diagram No.: 4.04-2_RSE_R_Ch40_24

Common Information

Test Description:	Radiated field strength emission
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407 UNII-Devices
Antenna polarisation:	horizontal/vertical
Operation mode:	TX mode continuous
Operator Name:	Lor
Comment:	5 GHz WLAN / Ch40/ 24MBps

EUT Information

EUT Name:	Wireless Tablet Pollux-Windy
Manufacturer:	Sony
Serial Number:	CB5A1N1KP1
Hardware Rev:	
Software Rev:	
Comment:	Sample EUT E

EMI Scan_14_40GHz_Pre

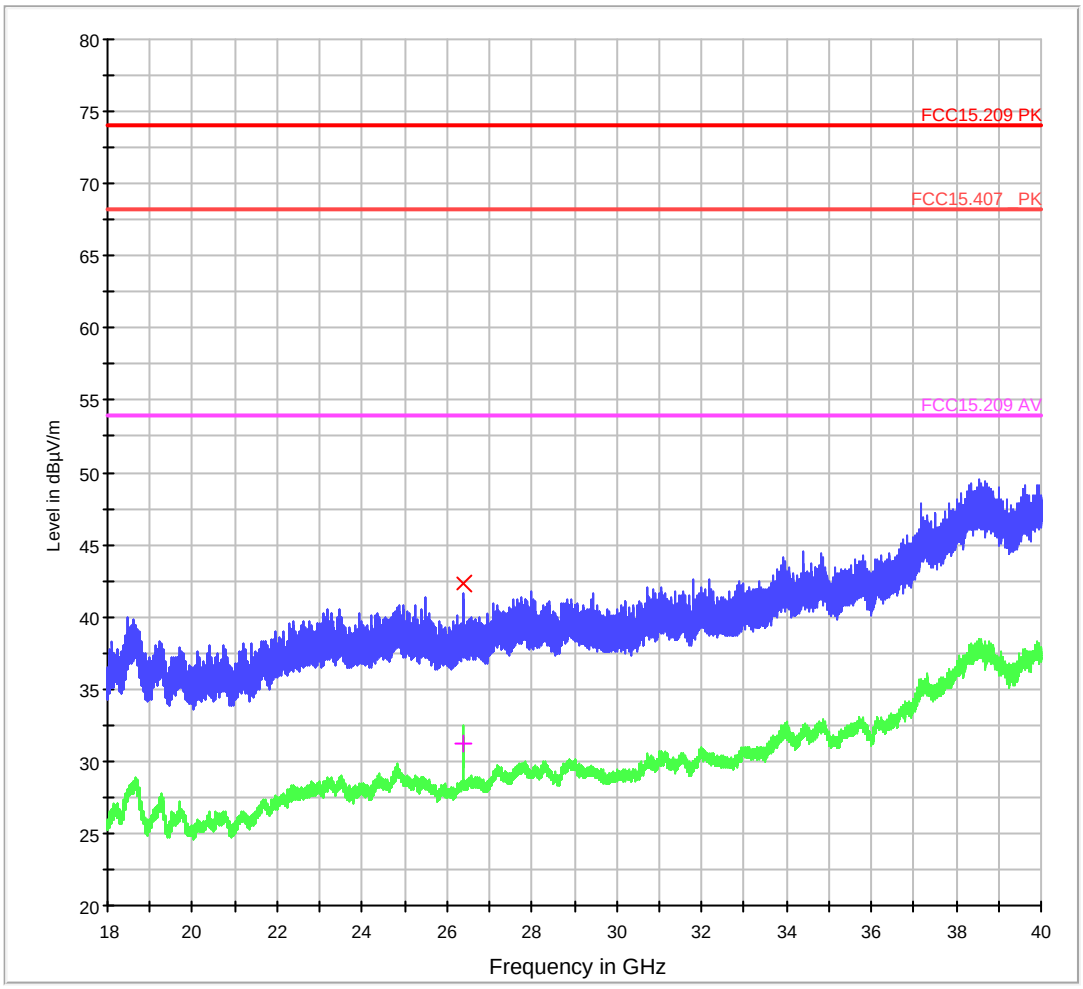


Diagram No.: 4.04-3_RSE_R_Ch48_6

Common Information

Test Description:	Radiated field strength emission
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407 UNII-Devices
Antenna polarisation:	horizontal/vertical
Operation mode:	TX mode continuous
Operator Name:	Lor
Comment:	5 GHz WLAN / Ch48/ 6MBps

EUT Information

EUT Name:	Wireless Tablet Pollux-Windy
Manufacturer:	Sony
Serial Number:	CB5A1N1KP1
Hardware Rev:	
Software Rev:	
Comment:	Sample EUT E

EMI Scan_14_40GHz_Pre

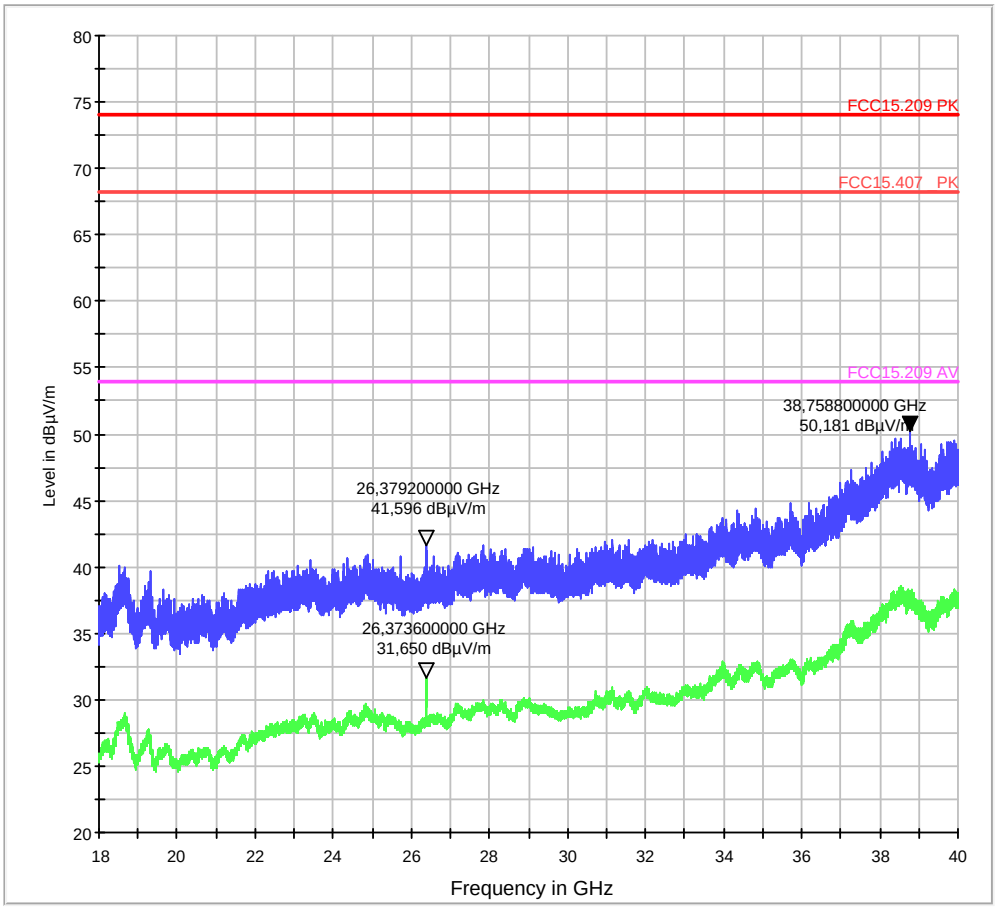


Diagram No.: 4.05-1_RSE_R_Ch52_6.5

Common Information

Test Description:	Radiated field strength emission
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407 UNII-Devices
Antenna polarisation:	horizontal/vertical
Operation mode:	TX mode continuous, n20-Mode
Operator Name:	Lor
Comment:	5 GHz WLAN / Ch52/ 6.5MBps

EUT Information

EUT Name:	Wireless Tablet Pollux-Windy
Manufacturer:	Sony
Serial Number:	CB5A1N1KP1
Hardware Rev:	
Software Rev:	
Comment:	Sample EUT E

EMI Scan_14_40GHz_Pre

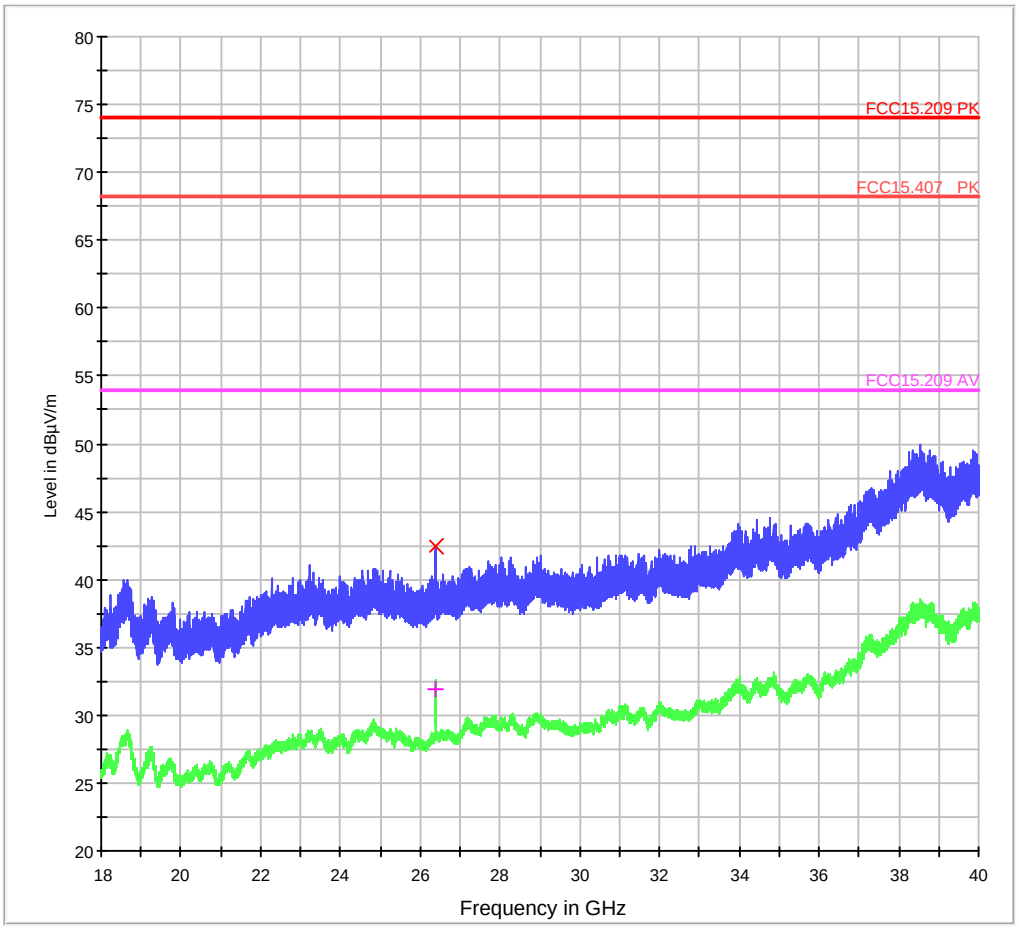


Diagram No.: 4.05-2_RSE_R_Ch56_26

Common Information

Test Description:	Radiated field strength emission
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407 UNII-Devices
Antenna polarisation:	horizontal/vertical
Operation mode:	TX mode continuous
Operator Name:	Lor
Comment:	5 GHz WLAN / Ch56/ 26MBps

EUT Information

EUT Name:	Wireless Tablet Pollux-Windy
Manufacturer:	Sony
Serial Number:	CB5A1N1KP1
Hardware Rev:	
Software Rev:	
Comment:	Sample EUT E

EMI Scan_14_40GHz_Pre

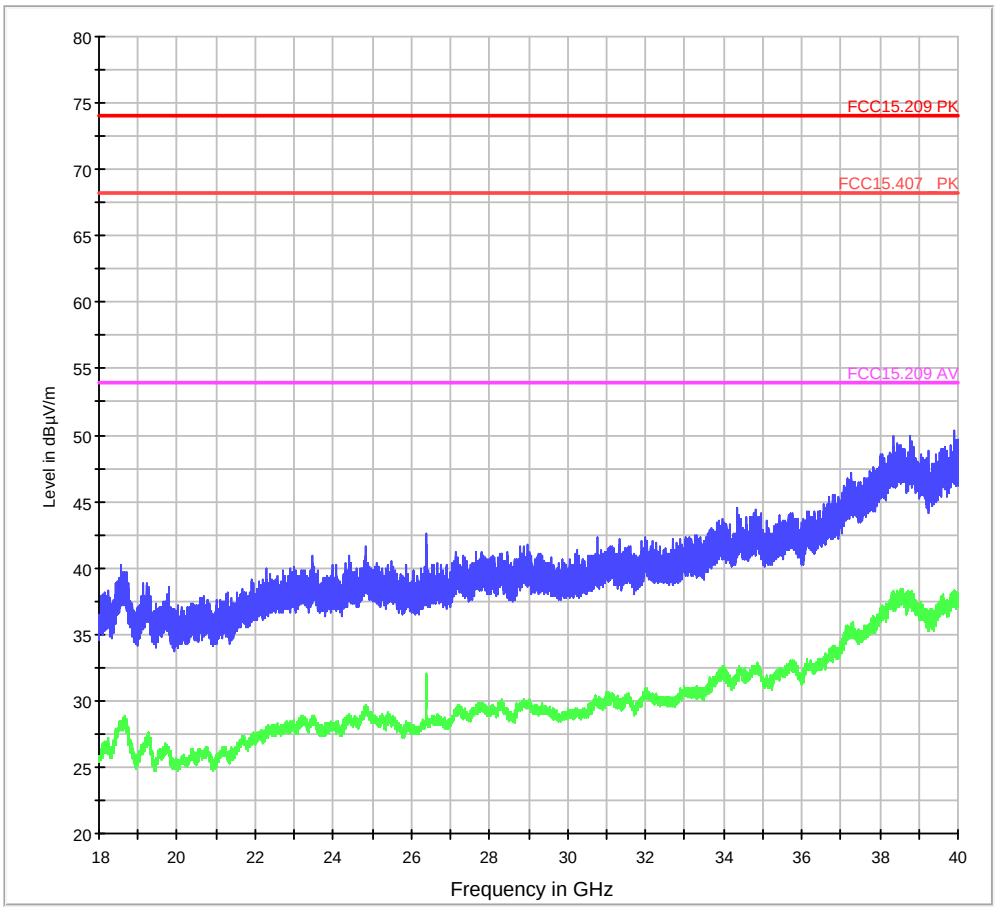


Diagram No.: 4.05-3_RSE_R_Ch64_65

Common Information

Test Description:	Radiated field strength emission
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205, 15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX mode continuous, 802.11n20-mode
Operator Name:	Lor
Comment:	5 GHz WLAN / Ch64/ 65MBps

EUT Information

EUT Name:	Wireless Tablet Pollux-Windy
Manufacturer:	Sony
Serial Number:	CB5A1N1KP1
Hardware Rev:	
Software Rev:	
Comment:	Sample EUT E

EMI Scan_14_40GHz_Pre

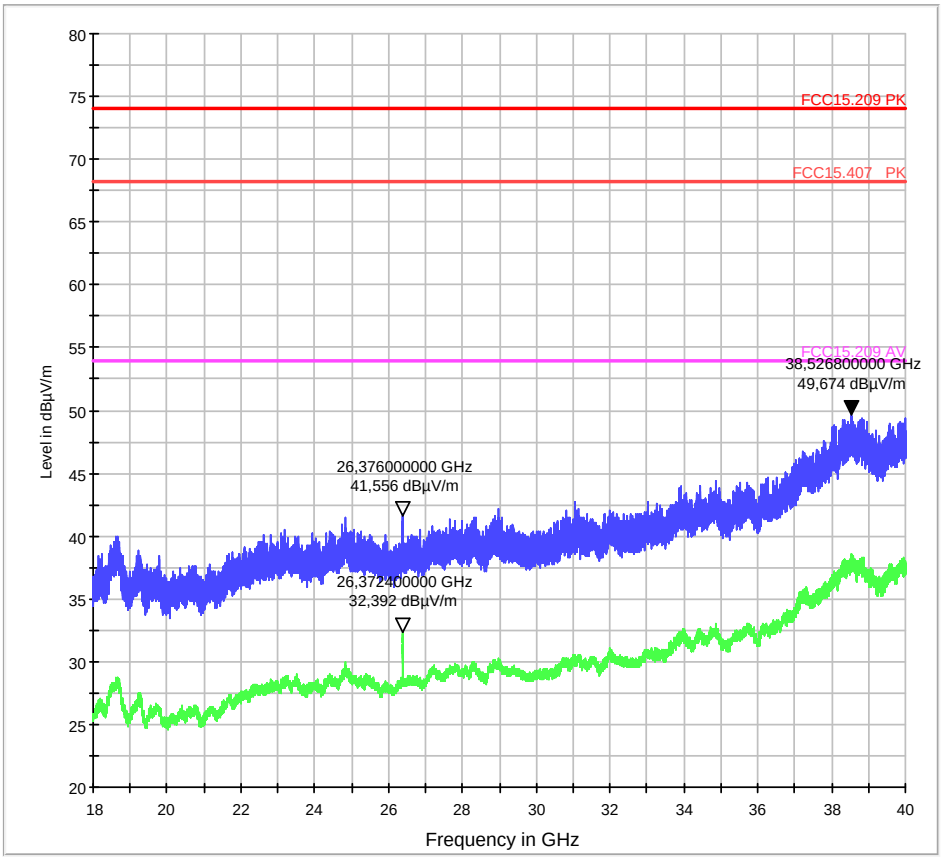


Diagram No.: 4.06-1_RSE_R_Ch102_135

Common Information

Test Description:	Radiated field strength emission
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407 UNII-Devices
Antenna polarisation:	horizontal/vertical
Operation mode:	TX mode continuous, 802.11n40-mode
Operator Name:	Lor
Comment:	5 GHz WLAN / Ch102/ 135MBps

EUT Information

EUT Name:	Wireless Tablet Pollux-Windy
Manufacturer:	Sony
Serial Number:	CB5A1N1KP1
Hardware Rev:	
Software Rev:	
Comment:	Sample EUT E

EMI Scan_14_40GHz_Pre

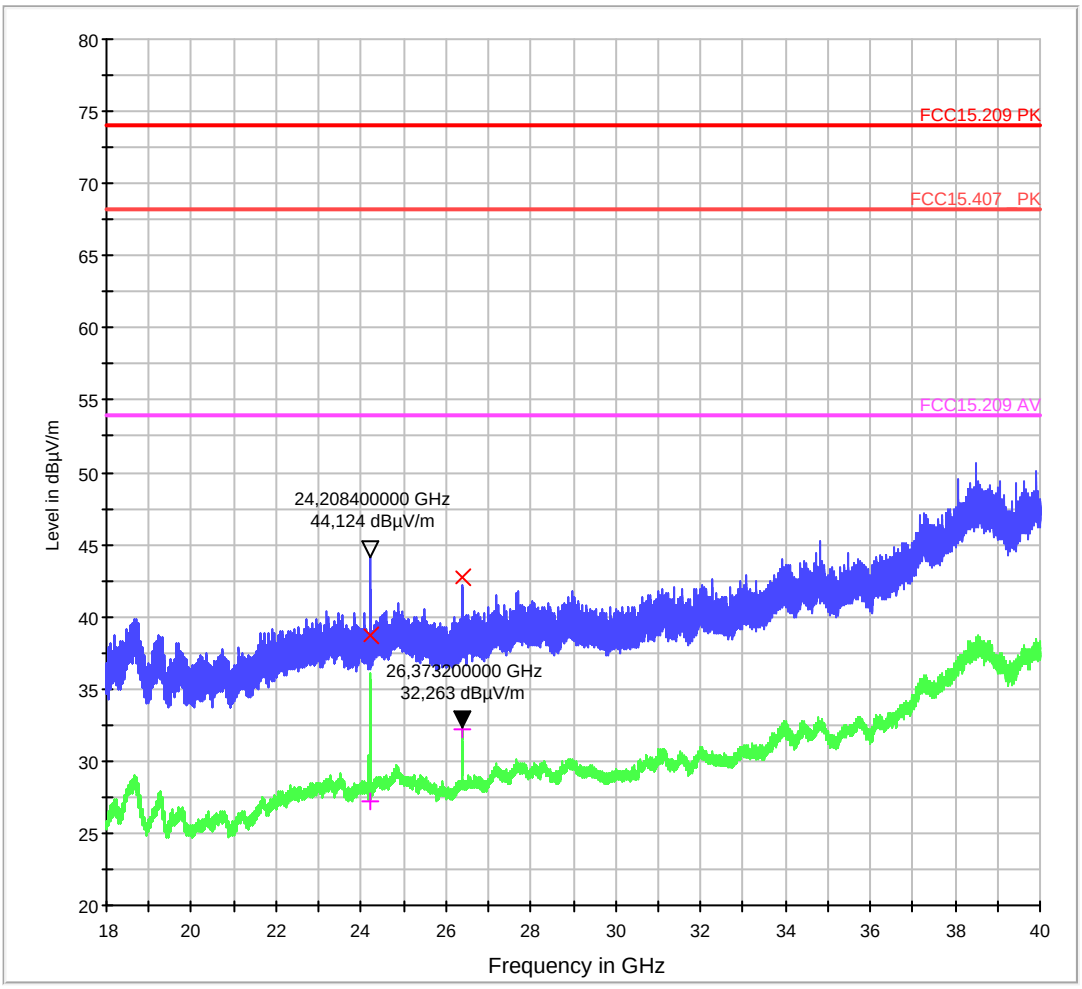


Diagram No.: 4.06-2_RSE_R_Ch110_13.5

Common Information

Test Description:	Radiated field strength emission
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407 UNII-Devices
Antenna polarisation:	horizontal/vertical
Operation mode:	TX mode continuous, 802.11n40-mode
Operator Name:	Lor
Comment:	5 GHz WLAN / Ch110/ 13.5MBps

EUT Information

EUT Name:	Wireless Tablet Pollux-Windy
Manufacturer:	Sony
Serial Number:	CB5A1N1KP1
Hardware Rev:	
Software Rev:	
Comment:	Sample EUT E

EMI Scan_14_40GHz_Pre

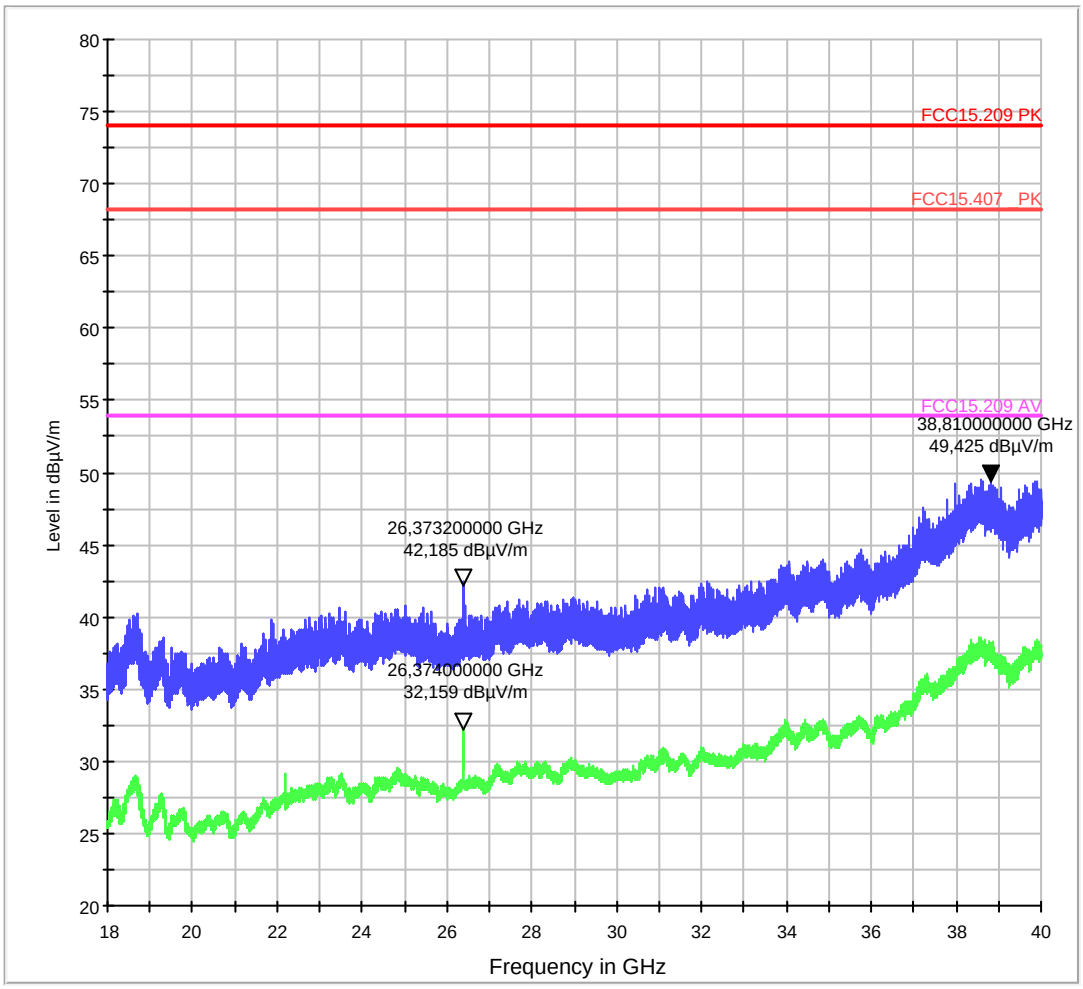


Diagram No.: 4.06-3_RSE_R_Ch134_54

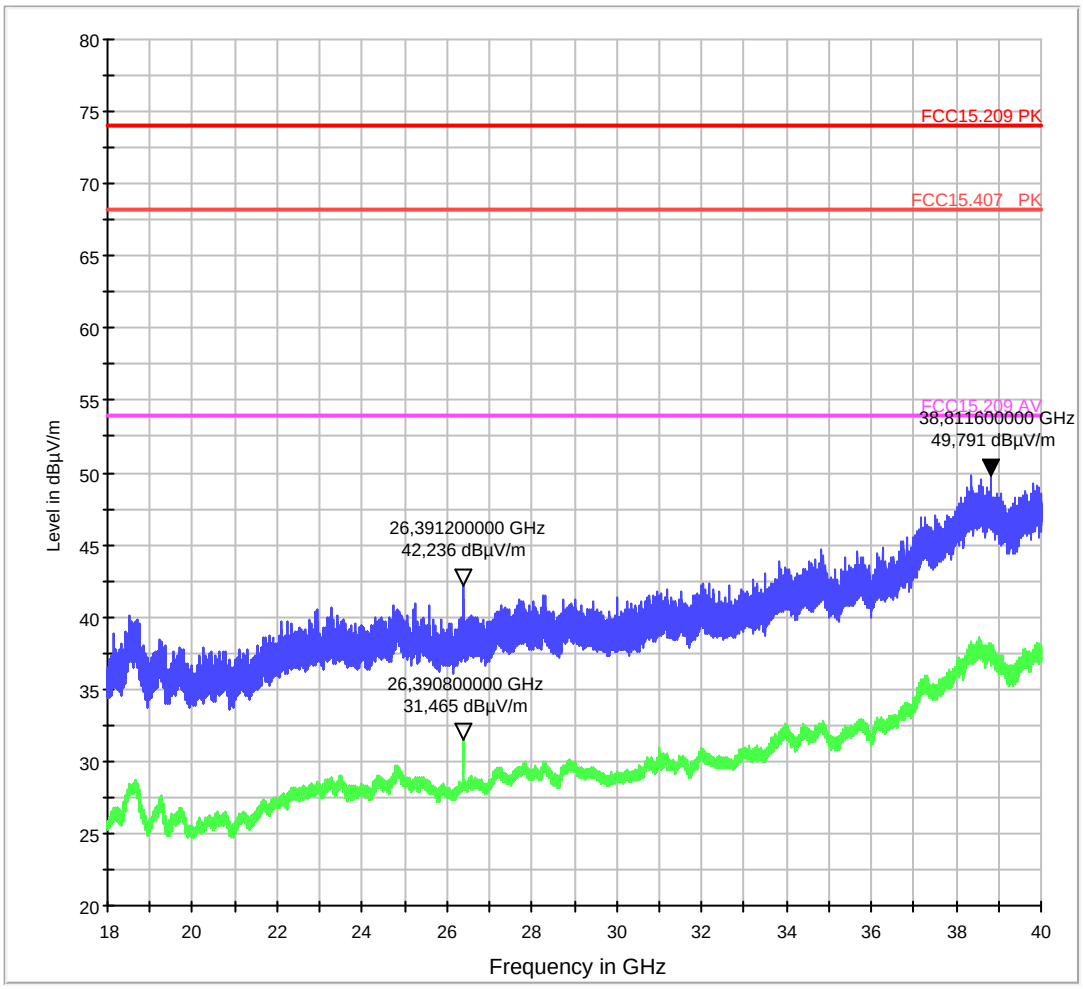
Common Information

Test Description:	Radiated field strength emission
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407 UNII-Devices
Antenna polarisation:	horizontal/vertical
Operation mode:	TX mode continuous, 802.11n40-mode
Operator Name:	Lor
Comment:	5 GHz WLAN / Ch134/ 54MBps

EUT Information

EUT Name:	Wireless Tablet Pollux-Windy
Manufacturer:	Sony
Serial Number:	CB5A1N1KP1
Hardware Rev:	
Software Rev:	
Comment:	Sample EUT E

EMI Scan_14_40GHz_Pre

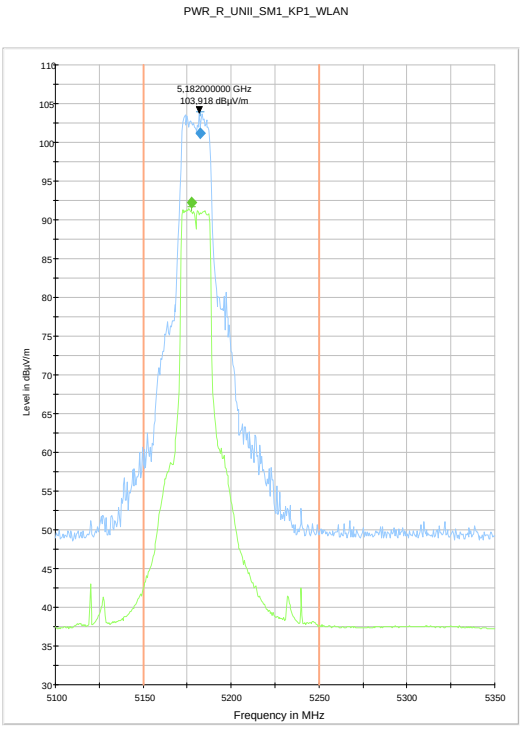


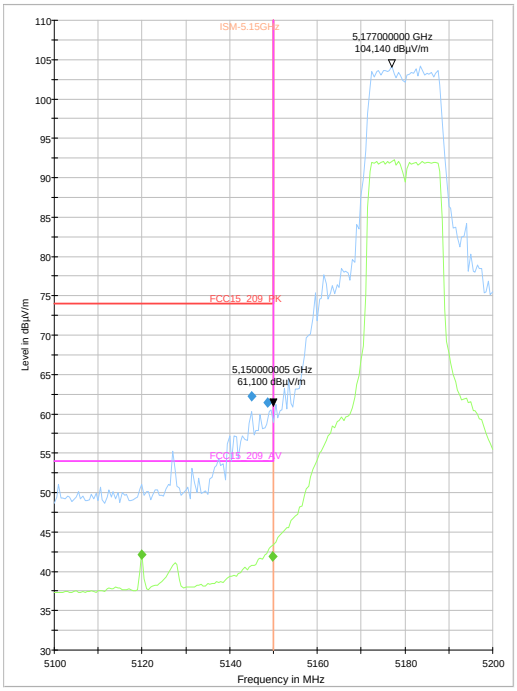
3. Radiated band-edge measurements accord. §15.209 & §15.205

Diagram No.: 9.11_BE_R_Ch36_48MBit_Step1&2

Common Information

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 &15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	Lor
Comment:	Channel no. low
Op. Mode:	WLAN 802.11 a-Mode, Channel 36, 48Mbps





Final Result 1

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Comment
5182.400000	101.2	1.0	1000.000	155.0	H	232.0	0.0	4.1	

Final Result 2

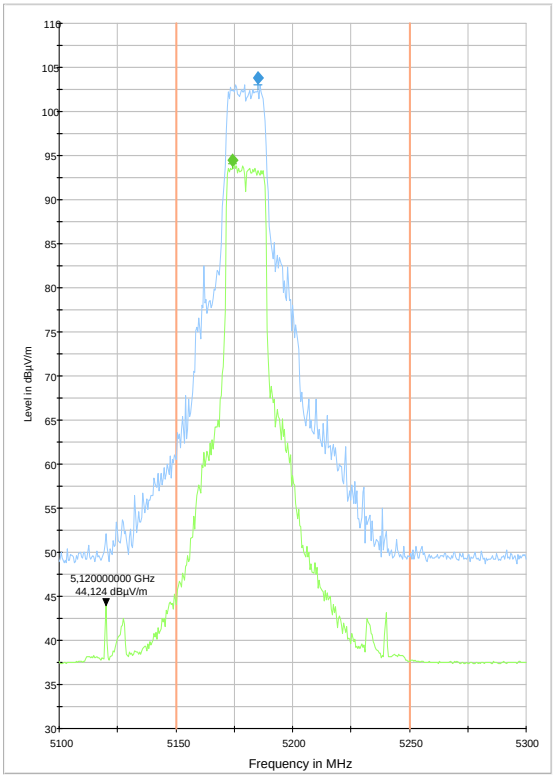
Frequency (MHz)	Average (dBµV/m)	Meas. Time	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Comment
5177.600000	92.2	1.0	1000.000	155.0	H	218.0	0.0	4.1	

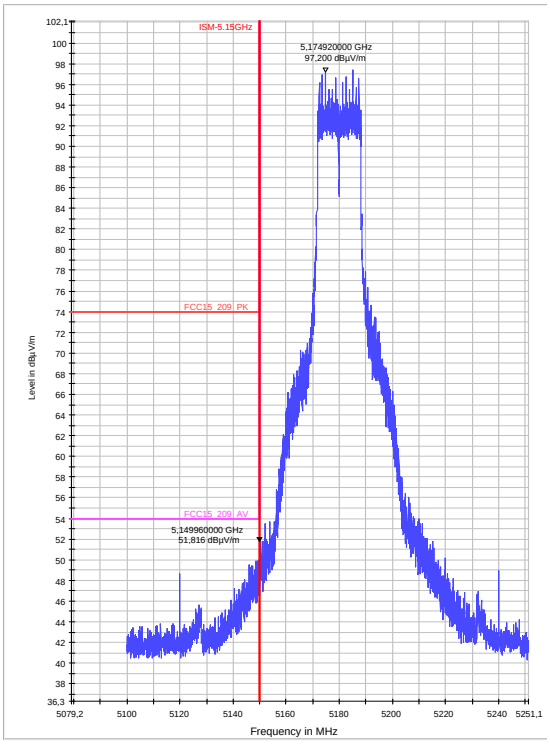
Diagram No.: 9.12_BE_R_Ch36_6MBit_Step1&2

Common Information

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 &15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	Lor
Comment:	Channel no. low
Op. Mode:	WLAN 802.11 a-Mode, Channel 36, 6Mbps

PWR_R_UNII_SM1_KP1_WLAN





Final Result 1

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Comment
5185.100000	103.8	100.0	1000.000	155.0	H	238.0	0.0	4.1	

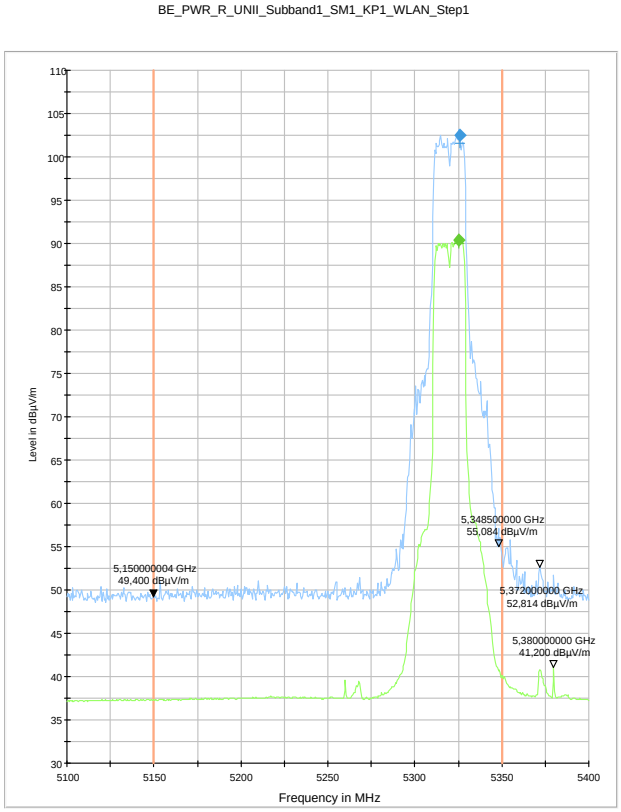
Final Result 2

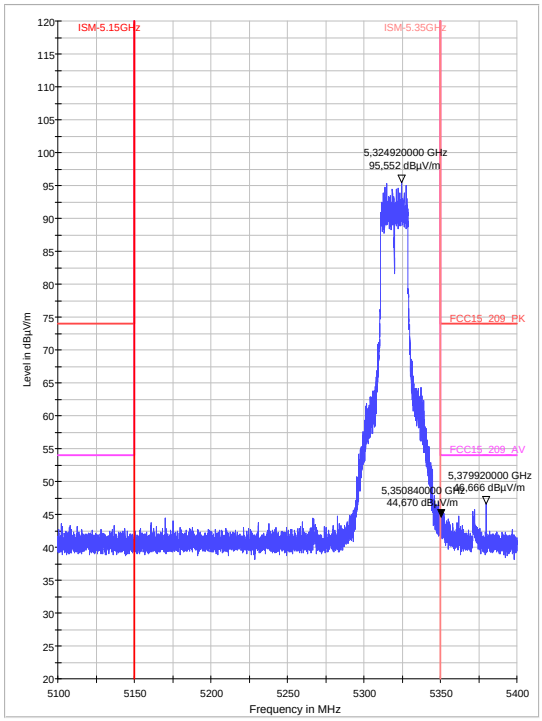
Frequency (MHz)	Average (dBµV/m)	Meas. Time	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Comment
5174.200000	94.4	100.0	1000.000	155.0	H	216.0	0.0	4.1	

Diagram No.: 9.15_BE_R_Ch64_65MBit_Step1&2

Common Information

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 &15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	Lor
Comment:	Channel no. high
Op. Mode:	WLAN 802.11 a-Mode, Channel 64, 65Mbit





Final Result 1

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Comment
5325.900000	102.5	100.0	1000.000	155.0	H	214.0	0.0	4.3	

Final Result 2

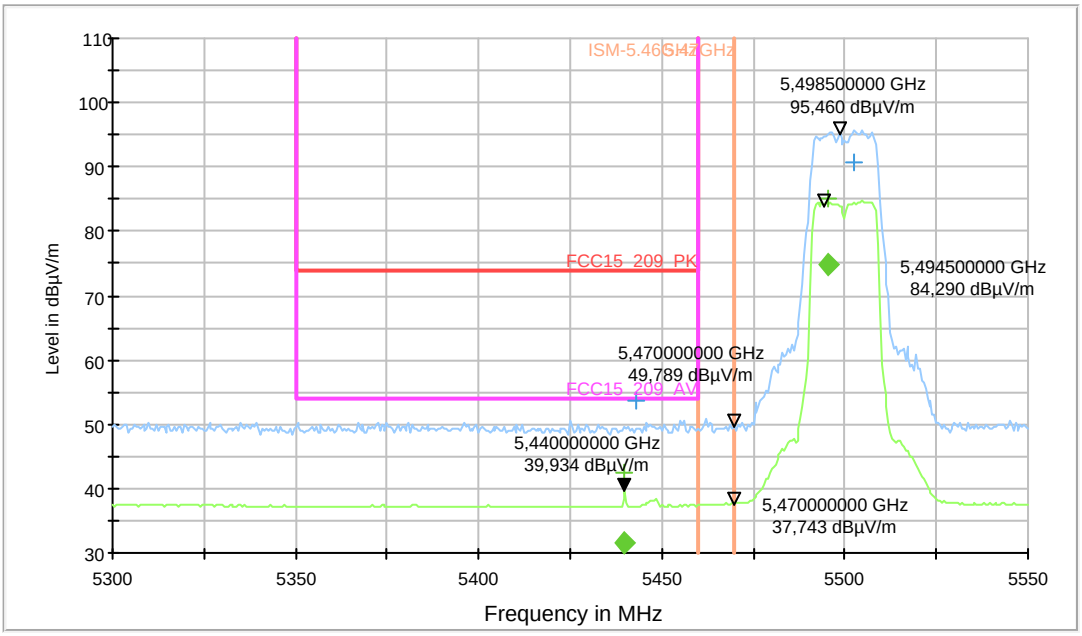
Frequency (MHz)	Average (dBµV/m)	Meas. Time	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Comment
5325.000000	90.4	100.0	1000.000	155.0	H	215.0	0.0	4.3	

Diagram No.: 9.16_BE_R_Ch100_26Mbps_

Common Information

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 &15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	WLAN 802.11a-mode, continously tx on channel 100; Data rate 26 Mbps
Comment:	Channel no. low
Op. Mode:	WLAN n (20MHz-Mode)

BE_5.46GHz_Sweep2_SM1_KP1_WLAN_5GHz



Final Measurement Result 2

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Meas. Time	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)
5440.000000	---	31.4	100.0	1000.000	155.0	H	241.0	90.0	4.2
5495.300000	---	74.8	100.0	1000.000	155.0	H	261.0	90.0	4.2

(continuation of the "Final Measurement Result 2" table from column 16 ...)

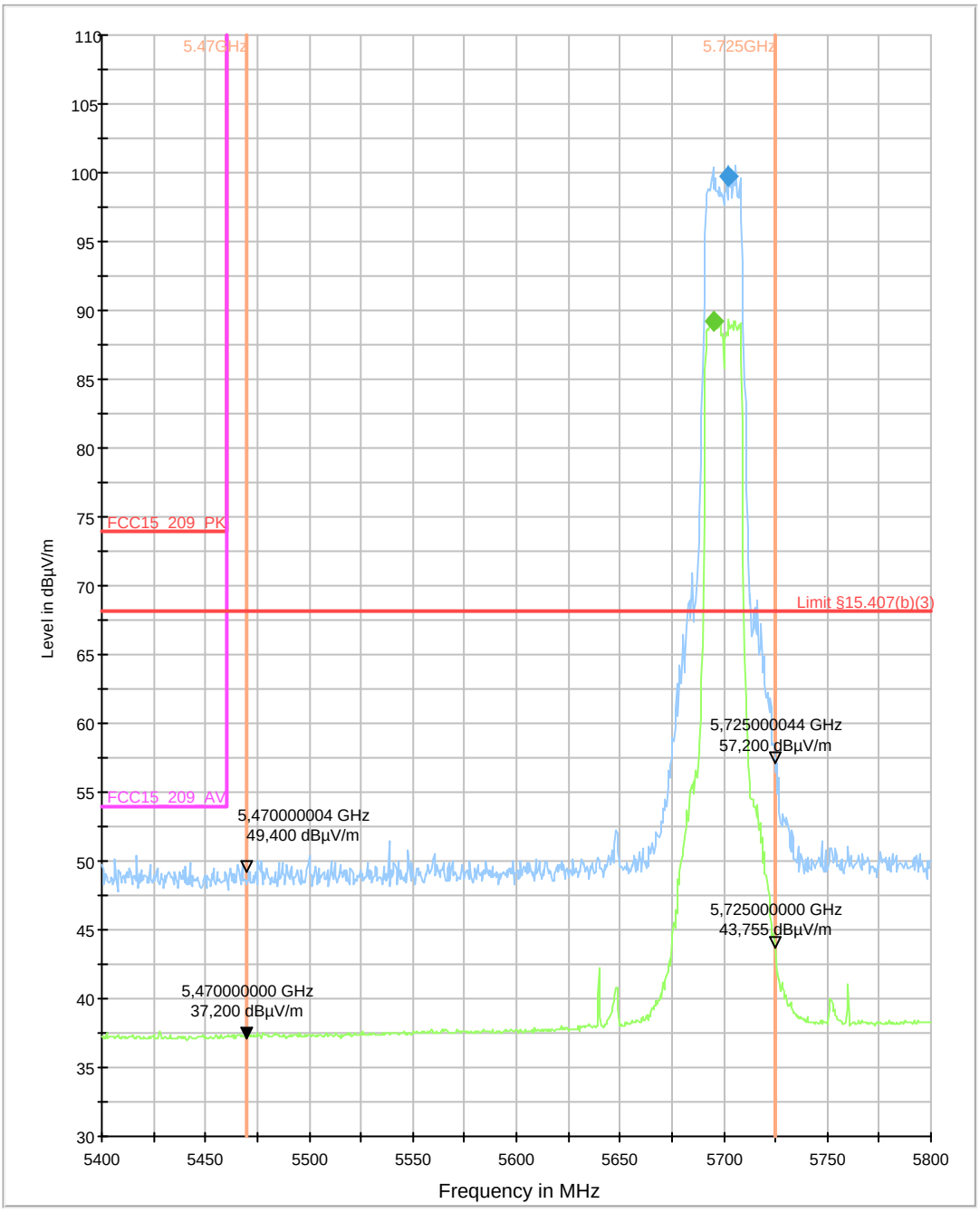
Frequency (MHz)	Comment
5440.000000	
5495.300000	

Diagram No.: 9.17_BE_R_Ch140_26Mbps

Common Information

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 &15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	Lor
Comment:	Channel no. high
Op. Mode:	WLAN 802.11 n-Mode (20MHz), Channel 140, 26Mbit

BE_5.725GHz_Sweep2_SM1_KP1_WLAN_5GHz



Final Result 1

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)
5702.500000	99.8	100.0	1000.000	155.0	V	86.0	0.0	4.8	50.2

(continuation of the "Final Result 1" table from column 10 ...)

Frequency (MHz)	Limit (dBµV/m)	Comment
5702.500000	150.0	

Final Result 2

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)
5694.80000	89.2	100.0	1000.000	155.0	V	90.0	0.0	4.8	60.8

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

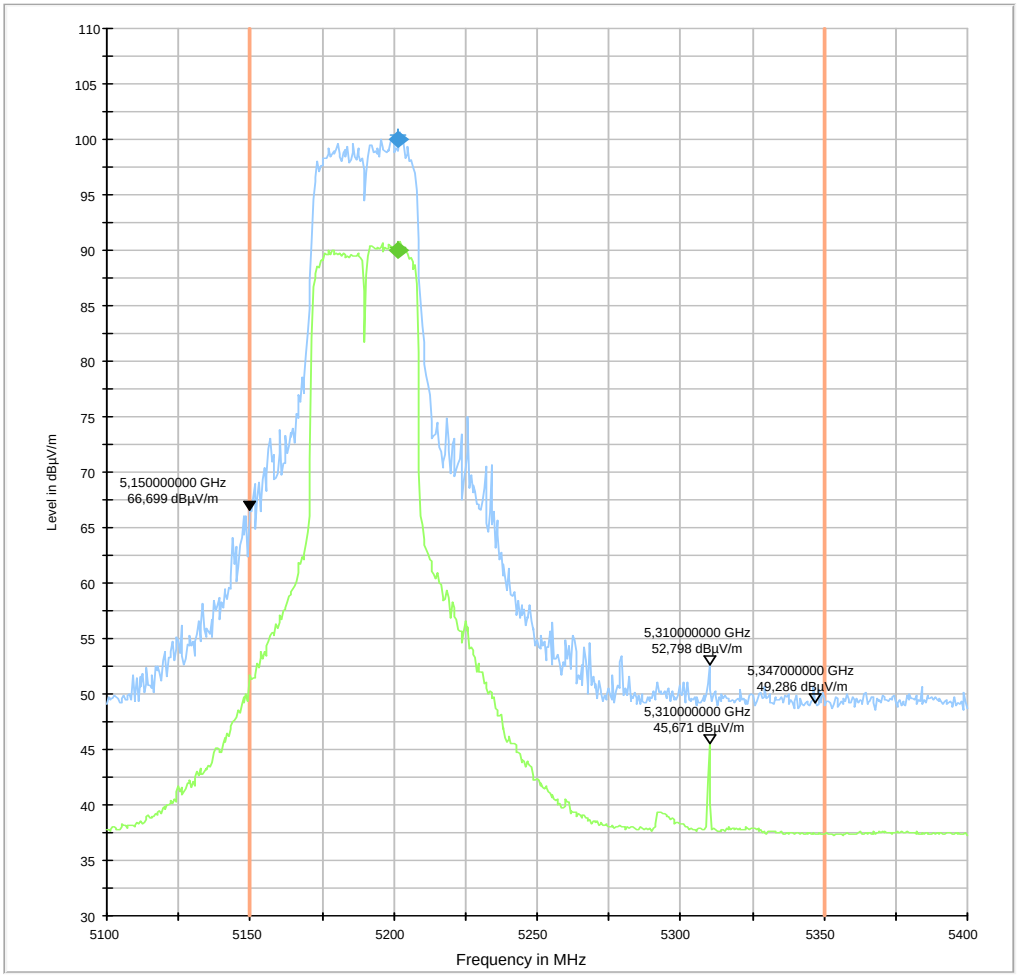
Frequency (MHz)	Limit (dBµV/m)	Comment
5694.800000	150.0	

Diagram No.: 9.18_BE_R_Ch38_6.5MBit

Common Information

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 &15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	Lor
Comment:	Channel no. low
Op. Mode:	WLAN 802.11 40MHz n-Mode, Channel 38, 6.5Mbps

BE_PWR_R_UNII_Subband1_SM1_KP1_WLAN_Step1



Final Result 1

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Comment
5201.70000	100.0	100.0	1000.000	155.0	H	219.0	0.0	4.2	

Final Result 2

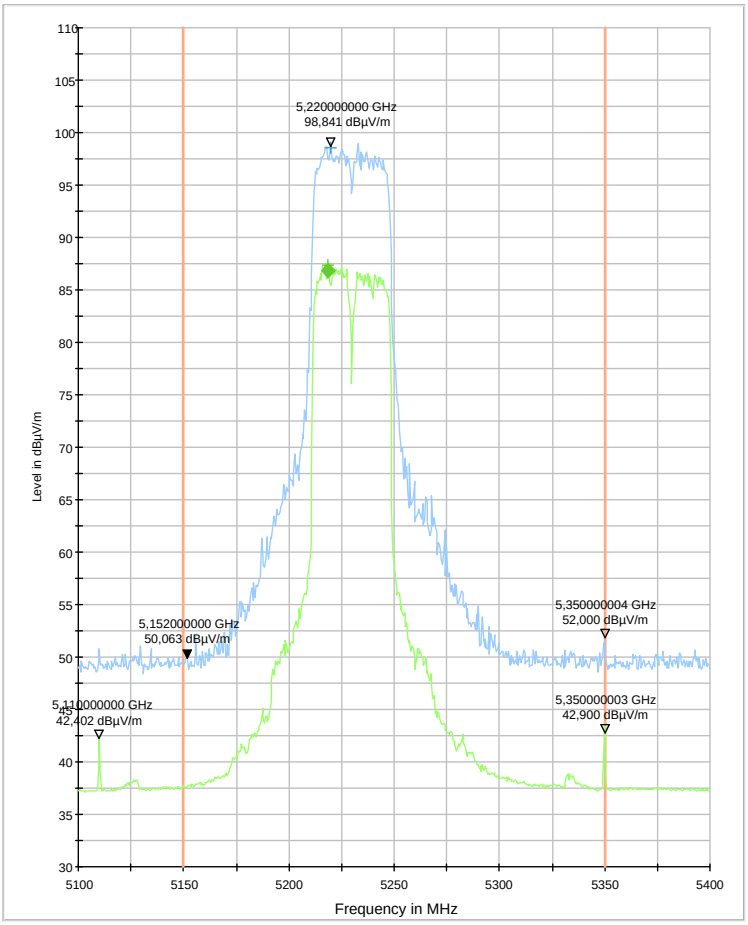
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Comment
5201.30000	89.9	100.0	1000.000	155.0	H	237.0	0.0	4.2	

Diagram No.: 9.19_BE_R_Ch46_135Mbit_Step1

Common Information

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 &15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	Lor
Comment:	Channel no. high
Op. Mode:	WLAN 802.11 40MHz n-Mode, Channel 46, 135Mbps

BE_PWR_R_UNII_Subband1_SM1_KP1_WLAN_Step1



Final Result 2

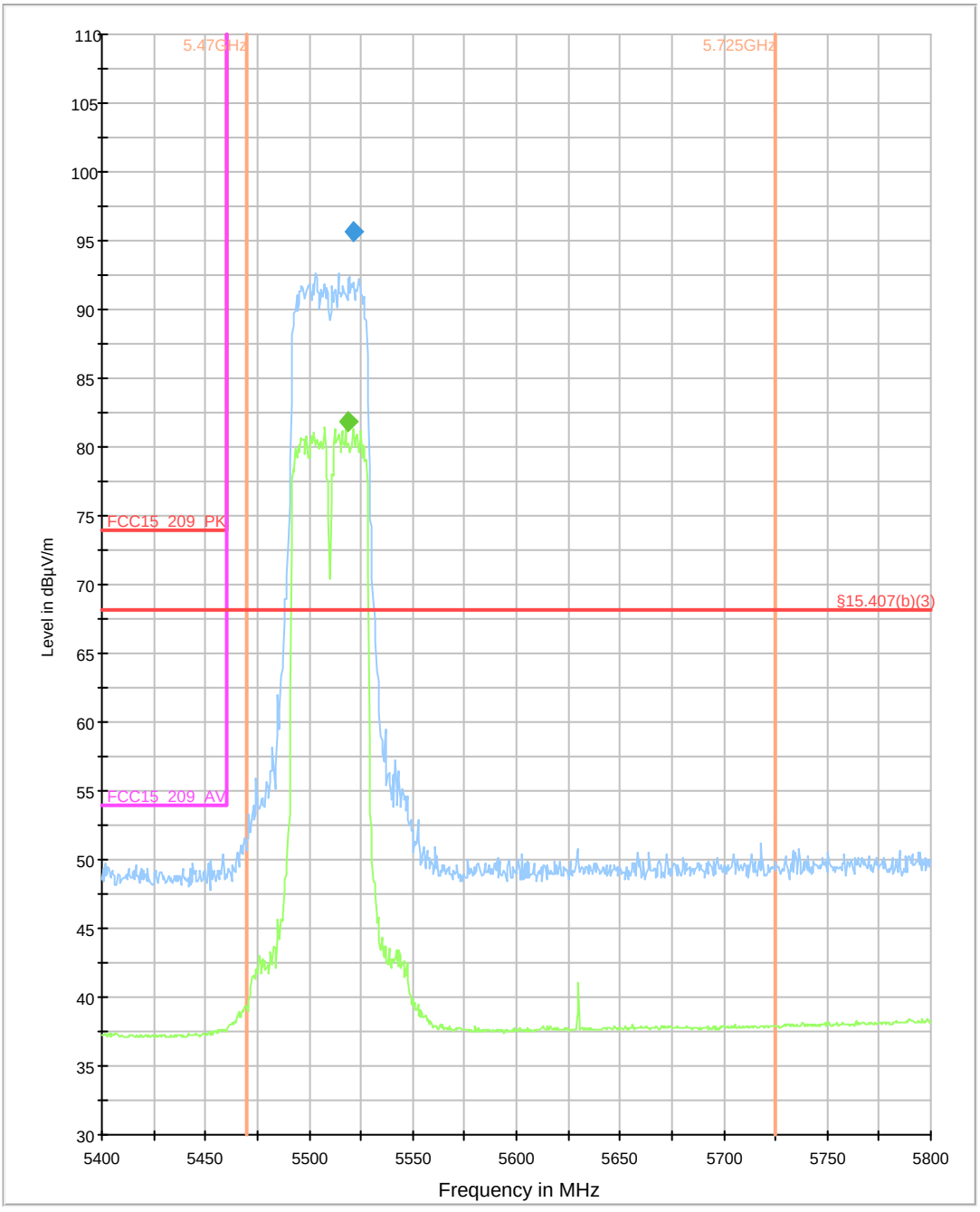
Frequency (MHz)	Average (dBµV/m)	Meas. Time	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Comment
5218.700000	86.9	100.0	1000.000	155.0	H	210.0	0.0	4.2	

Diagram No.: 9.20_BE_R_Ch102_135Mbps

Common Information

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 &15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	Lor
Comment:	Channel no. low=102
Op. Mode:	WLAN 802.11 n-Mode (40MHz), Channel 102, 135Mbps

BE_5.725GHz_Sweep2_SM1_KP1_WLAN_5GHz



Final Result 1

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)
5521.400000	95.7	100.0	1000.000	155.0	V	86.0	0.0	4.2	54.3

(continuation of the "Final Result 1" table from column 10 ...)

Frequency (MHz)	Limit (dBµV/m)	Comment
5521.400000	150.0	

Final Result 2

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)
5518.700000	81.8	100.0	1000.000	155.0	V	84.0	0.0	4.2	68.2

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

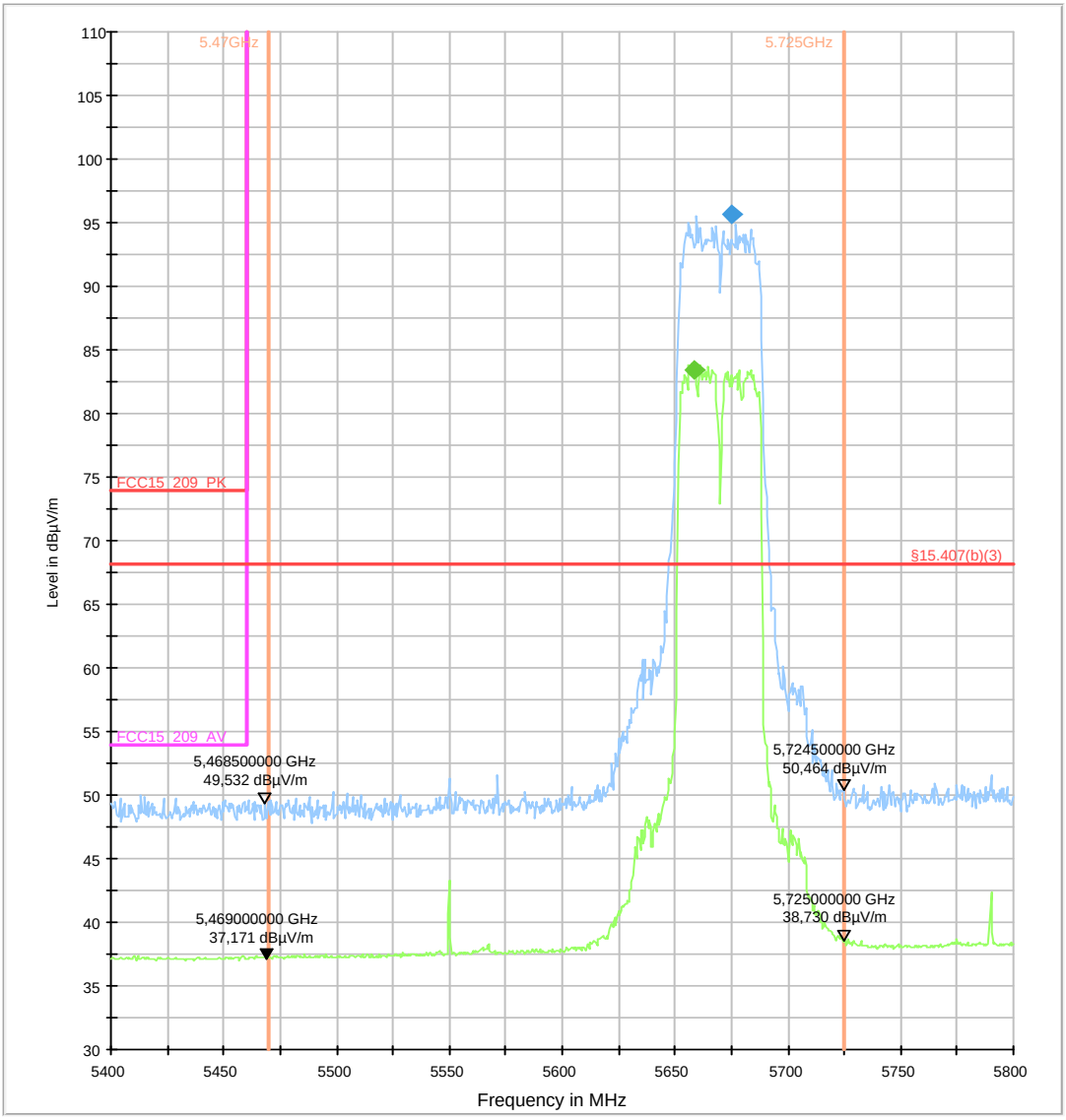
Frequency (MHz)	Limit (dBµV/m)	Comment
5518.700000	150.0	

Diagram No.: 9.21_BE_R_Ch134_135Mbps

Common Information

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 &15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	Lor
Comment:	Channel no. high=134
Op. Mode:	WLAN 802.11 n-Mode (40MHz), Channel 134, 135Mbps

BE_5.725GHz_Sweep2_SM1_KP1_WLAN_5GHz



Final Result 1

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)
5674.700000	95.7	100.0	1000.000	155.0	V	89.0	0.0	4.7	54.3

(continuation of the "Final Result 1" table from column 10 ...)

Frequency (MHz)	Limit (dBµV/m)	Comment
5674.700000	150.0	

Final Result 2

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)
5658.700000	83.5	100.0	1000.000	155.0	V	90.0	0.0	4.7	66.5

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

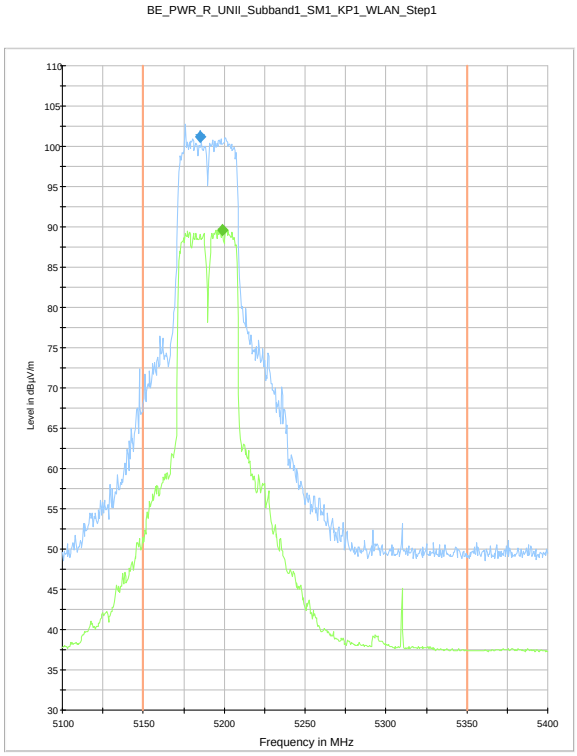
Frequency (MHz)	Limit (dBµV/m)	Comment
5658.700000	150.0	

Diagram No.: 9.22_BE_R_Ch38_135MBit_Step1&2

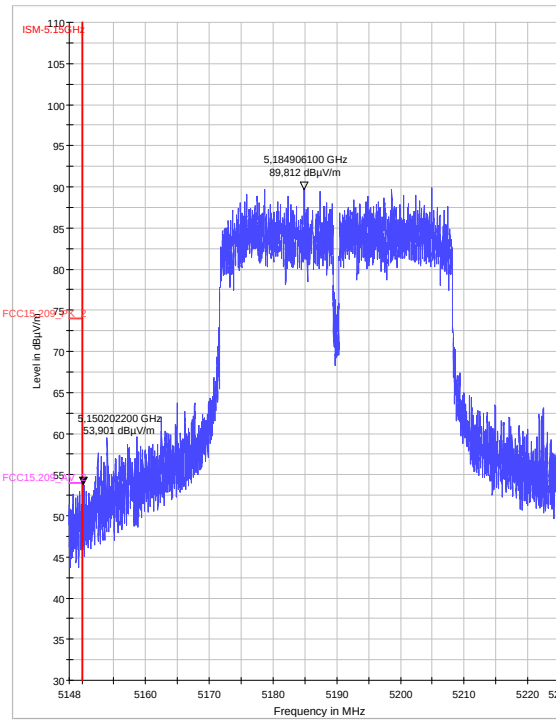
Common Information

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 &15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	Lor
Comment:	Channel no. low
Op. Mode:	WLAN 802.11 40MHz n-Mode, Channel 38, 135Mbps

Step 1: Maximum In-Band-Field Strength:



Step 2: Delta Marker Method – Reduced RBW



Final Result 1

Frequency (MHz)	Max Peak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Comment
5185.20000	101.2	100.0	1000.000	155.0	H	236.0	0.0	4.1	

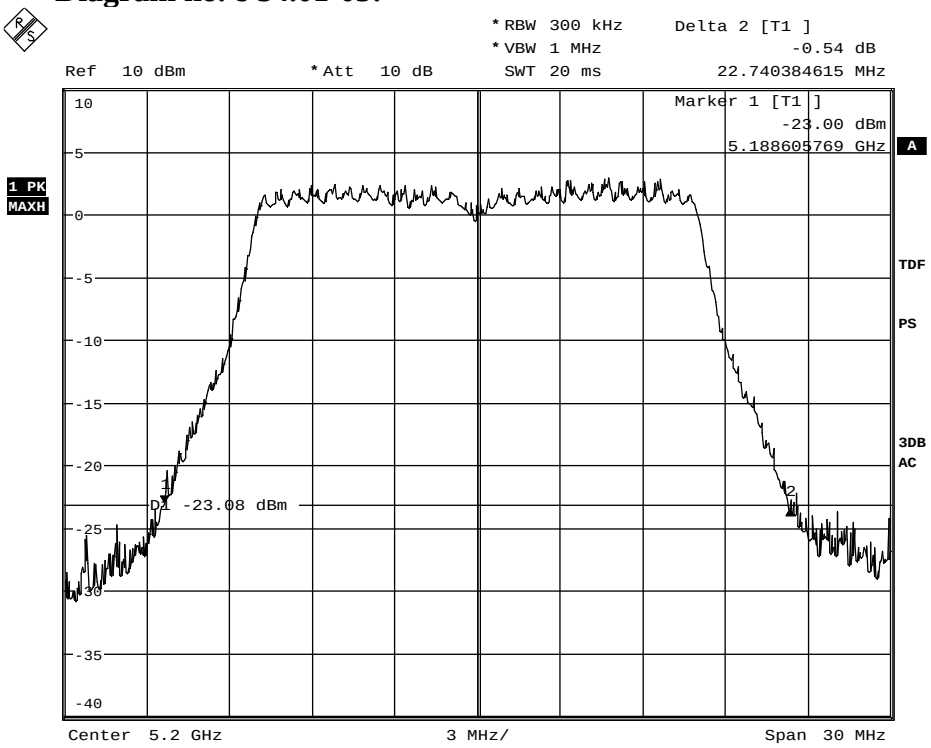
Final Result 2

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Comment
5198.70000	89.7	100.0	1000.000	155.0	H	237.0	0.0	4.2	

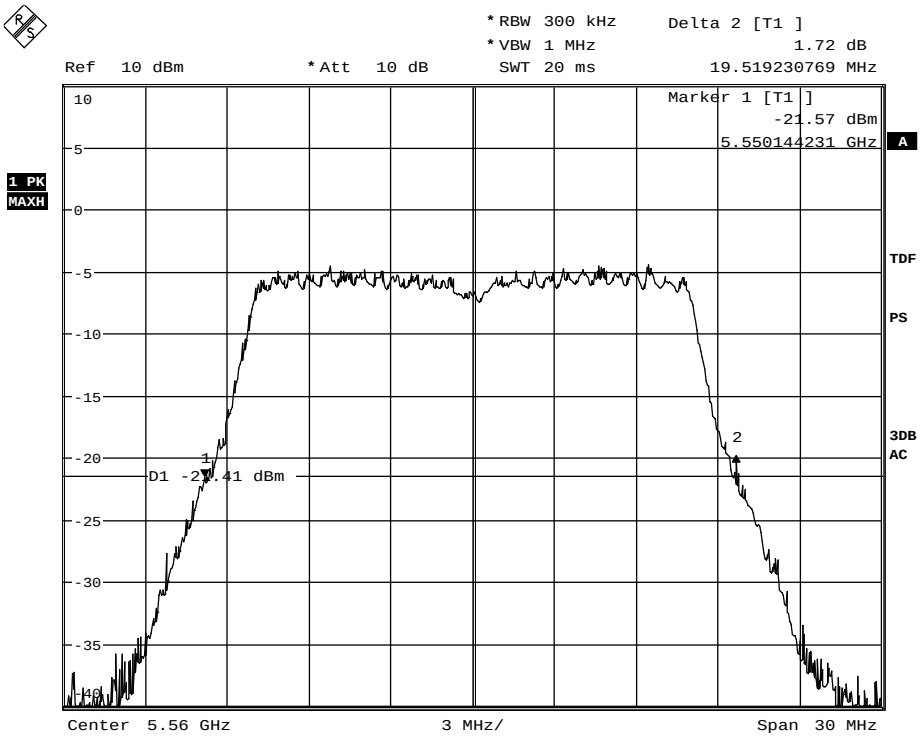
4. 26 dB Bandwidth (Conducted)

4.1 a-Mode (Channels 40/112 & 56, Data rates 6 & 9 Mbps)

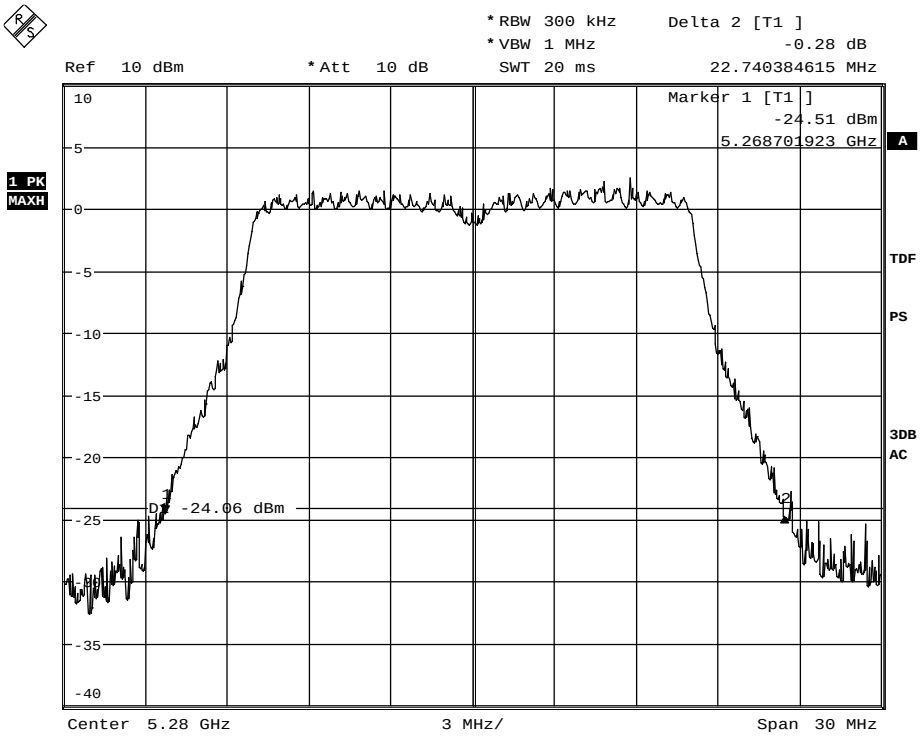
Diagram no.'s 34.01-03:



Date: 12.FEB.2013 11:05:04

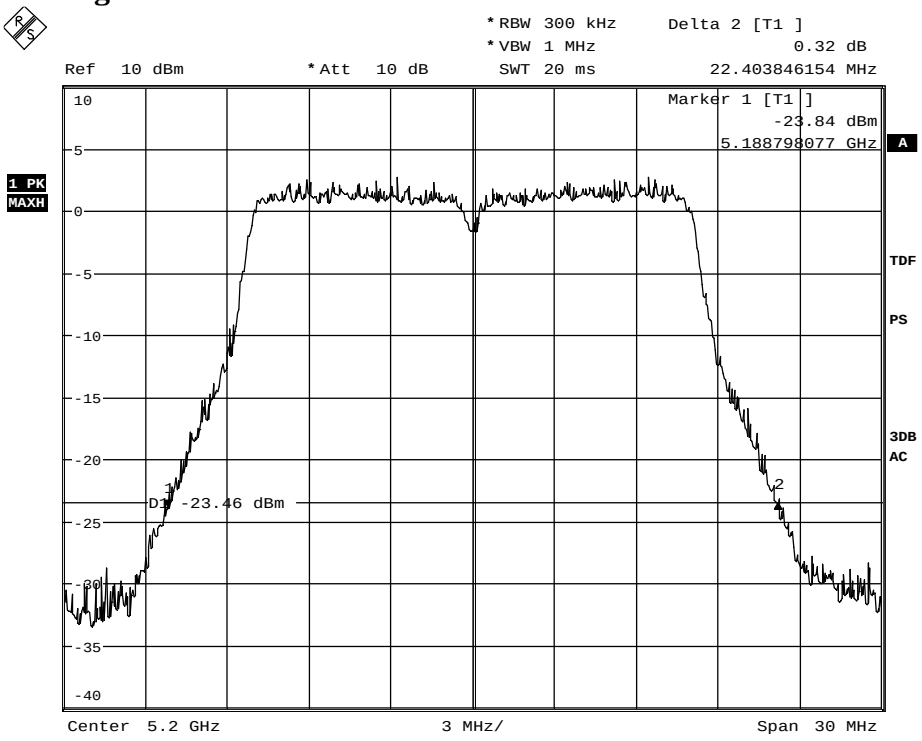


Date: 12.FEB.2013 11:37:37

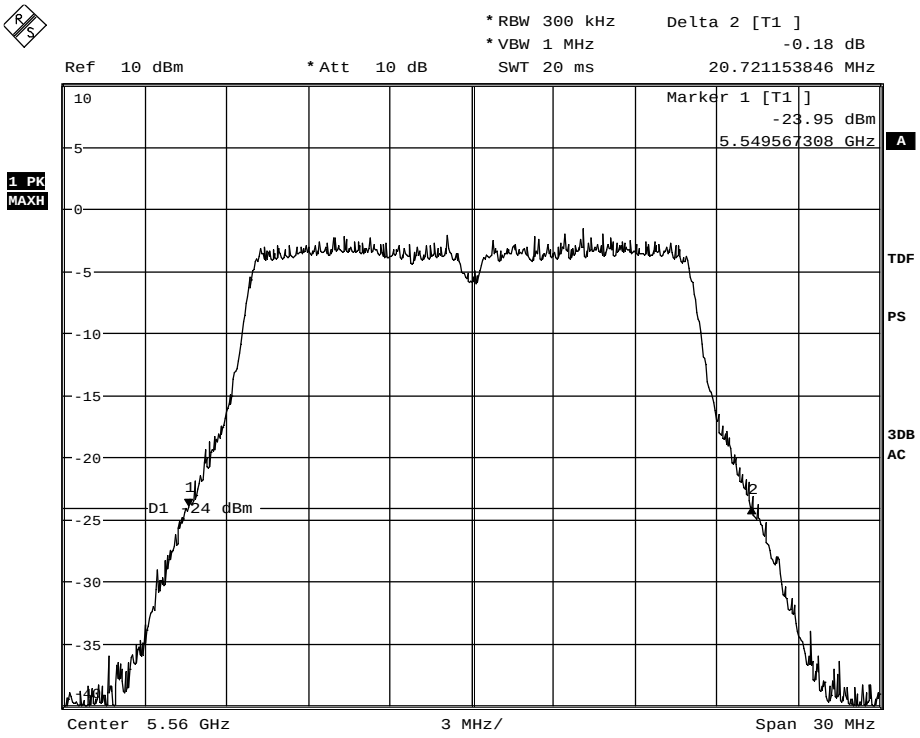


Date: 12.FEB.2013 11:27:13

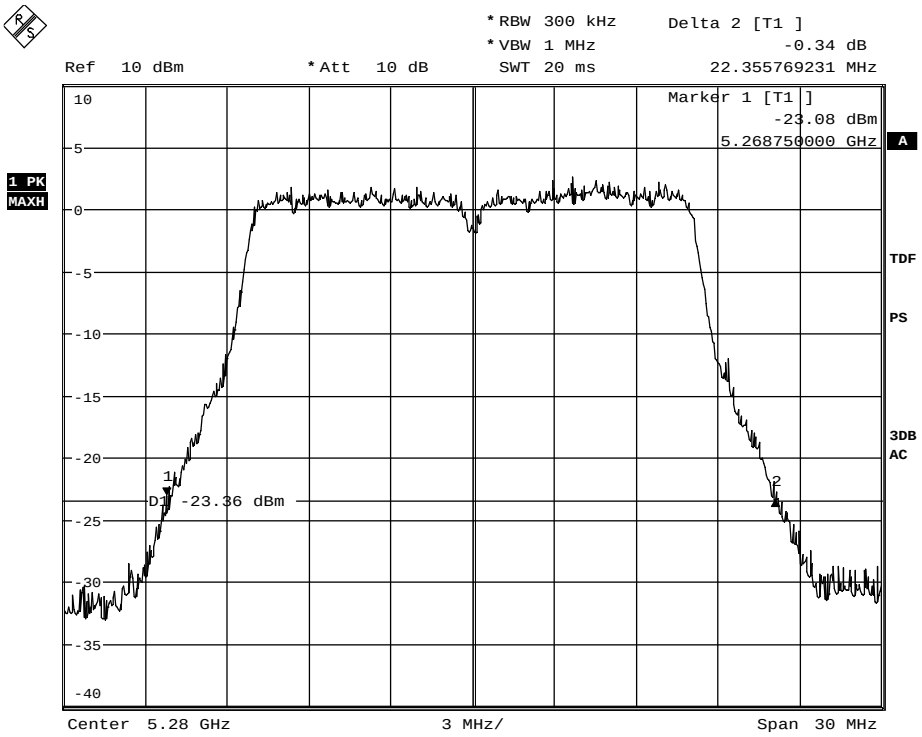
4.2 a-Mode (Channels 40/112 & 56, Data rates 12 & 18 Mbps) Diagram no.'s 34.04-06:



Date: 12.FEB.2013 11:16:57

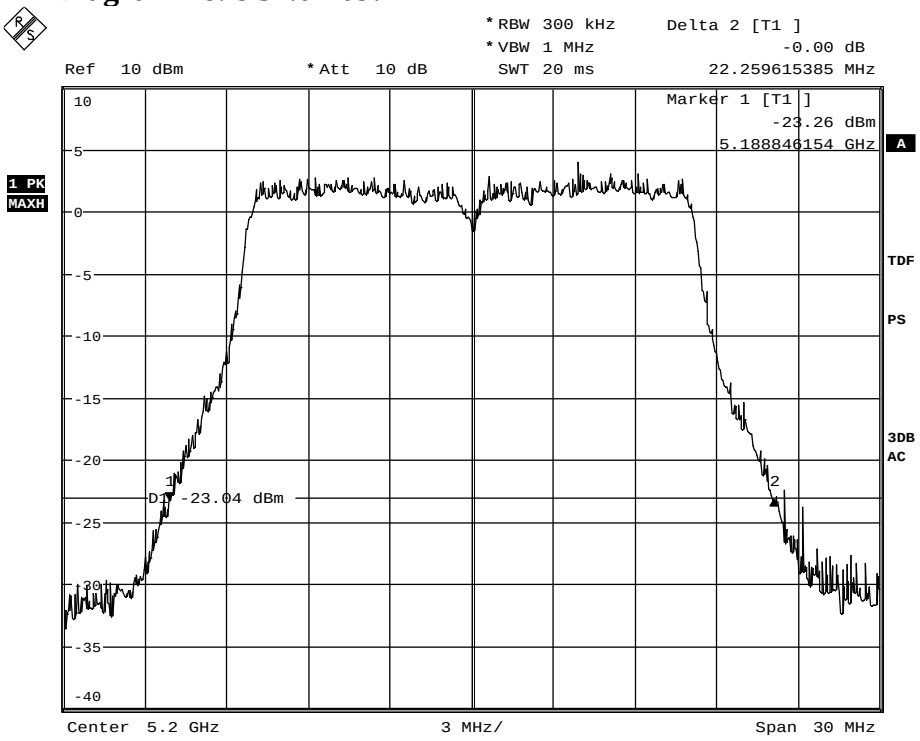


Date: 12.FEB.2013 11:39:51

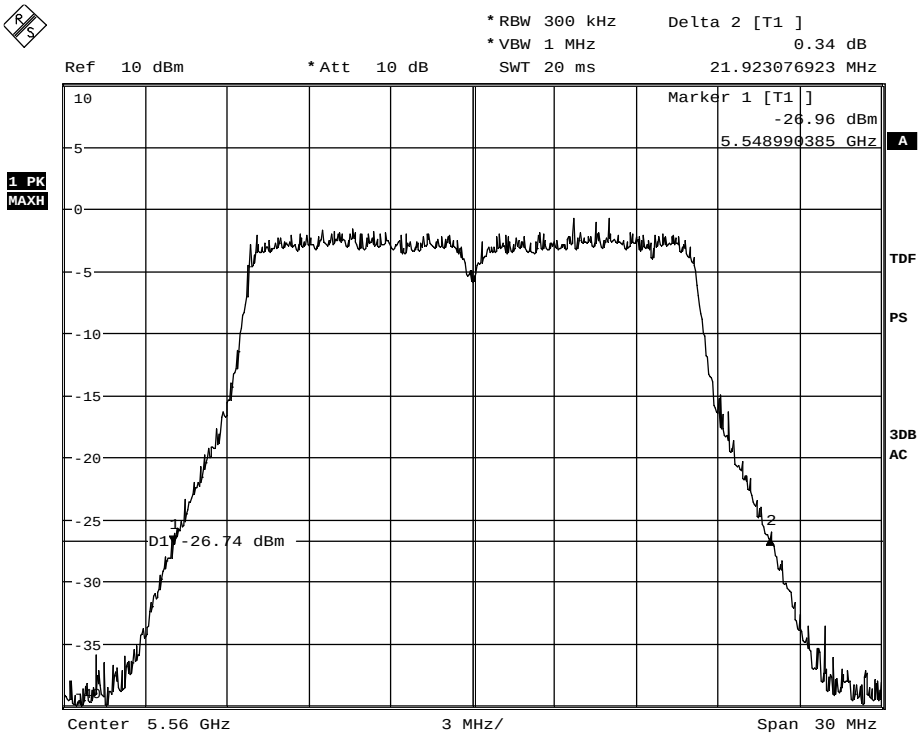


Date: 12.FEB.2013 11:29:26

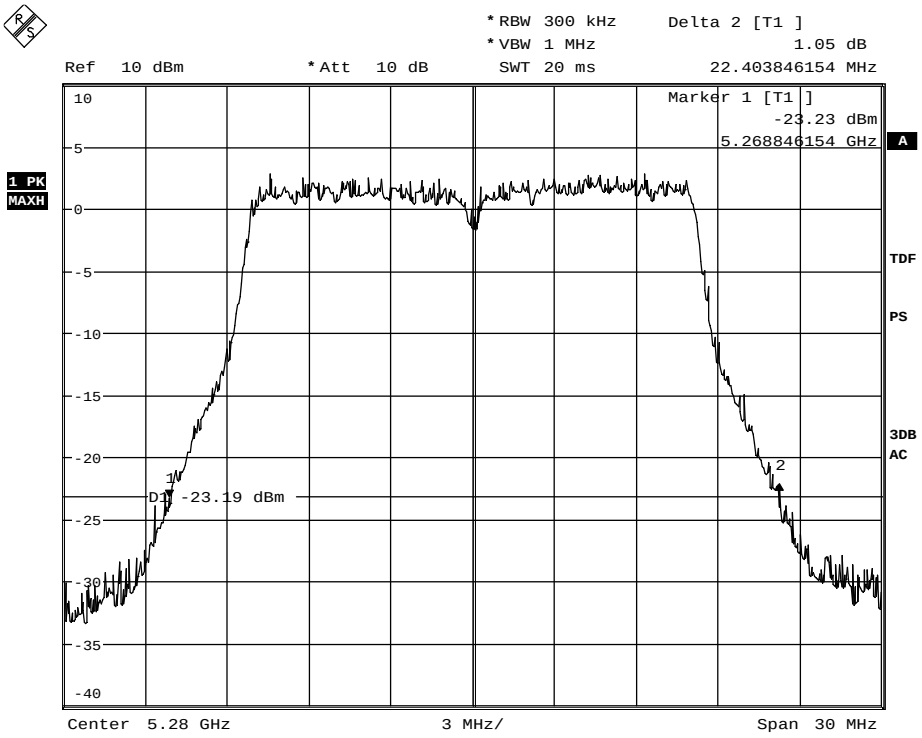
4.3 a-Mode (Channels 40/112 & 56, Data rates 24 & 36 Mbps)
Diagram no.'s 34.07-09:



Date: 12.FEB.2013 11:19:22

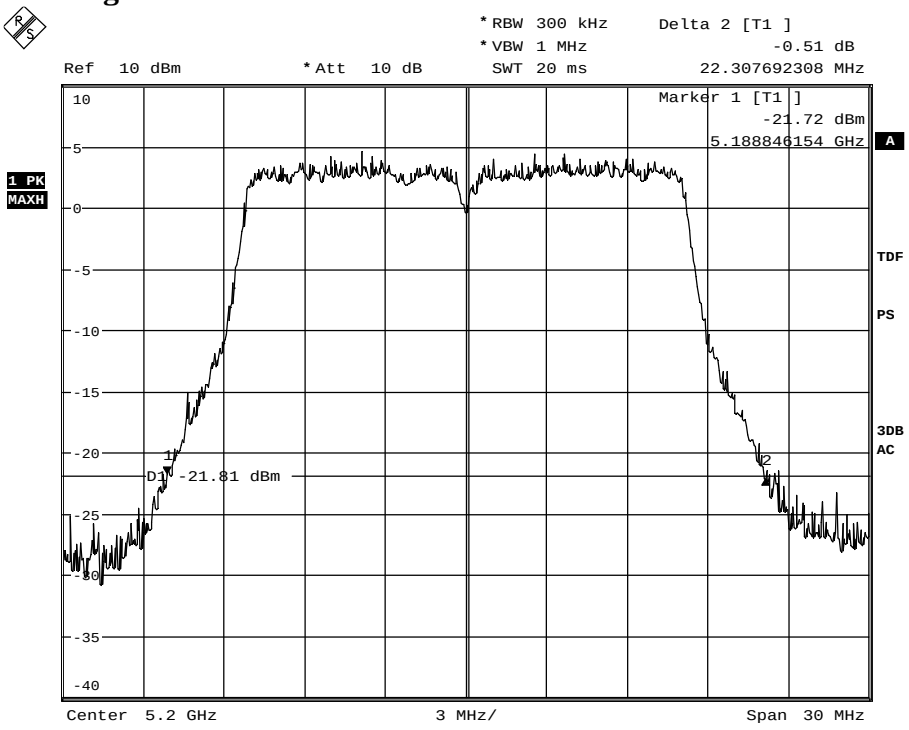


Date: 12.FEB.2013 11:42:03

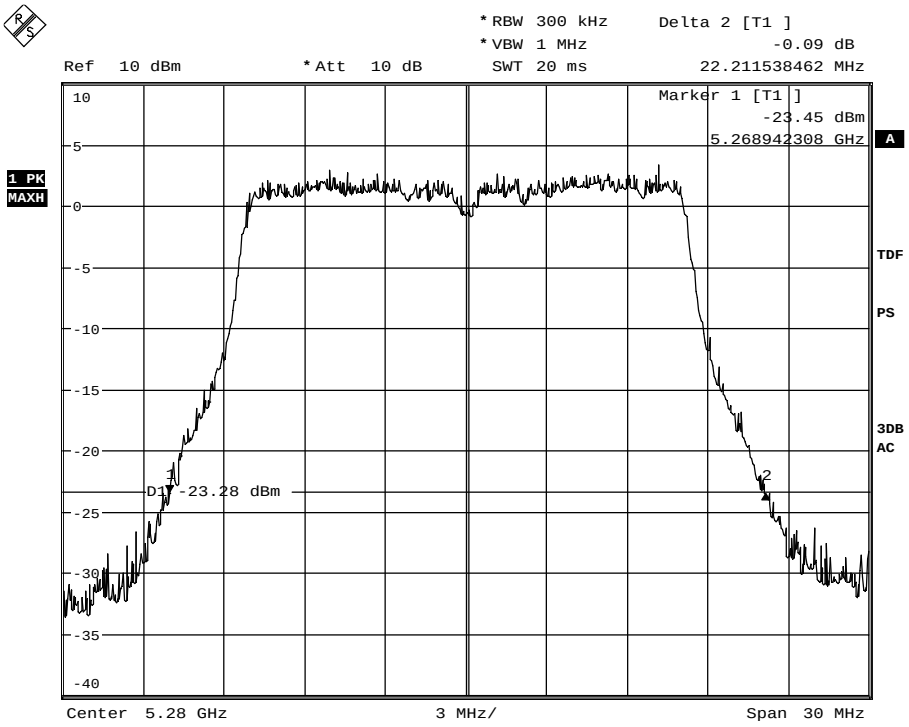


Date: 12.FEB.2013 11:32:56

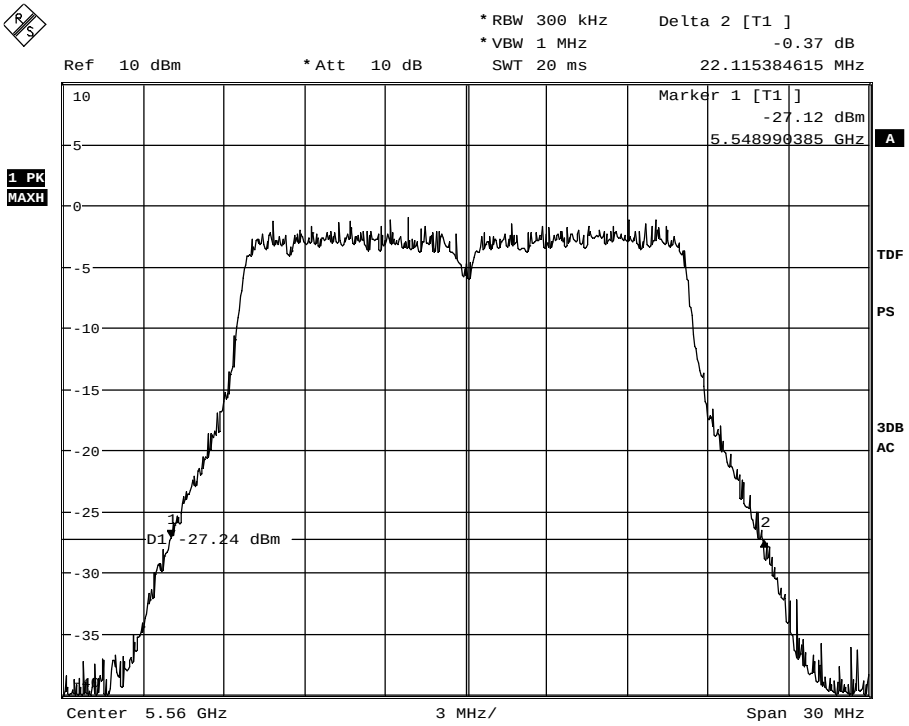
4.4 a-Mode (Channels 40/112 & 56, Data rates 48 & 54 Mbps) Diagram no.'s 34.10-12:



Date: 12.FEB.2013 11:22:18

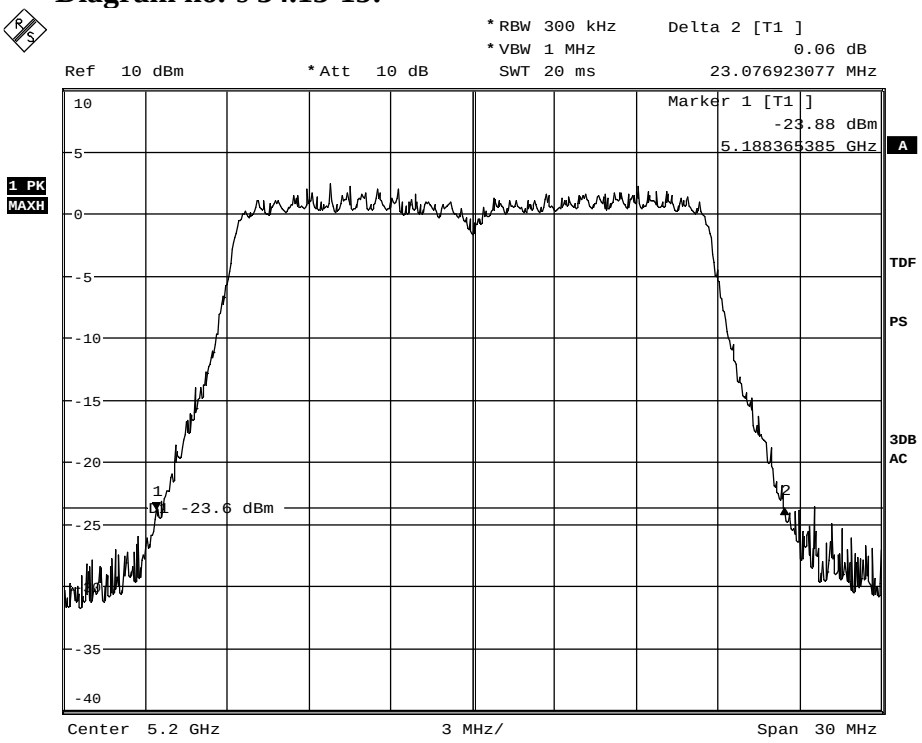


Date: 12.FEB.2013 11:35:01

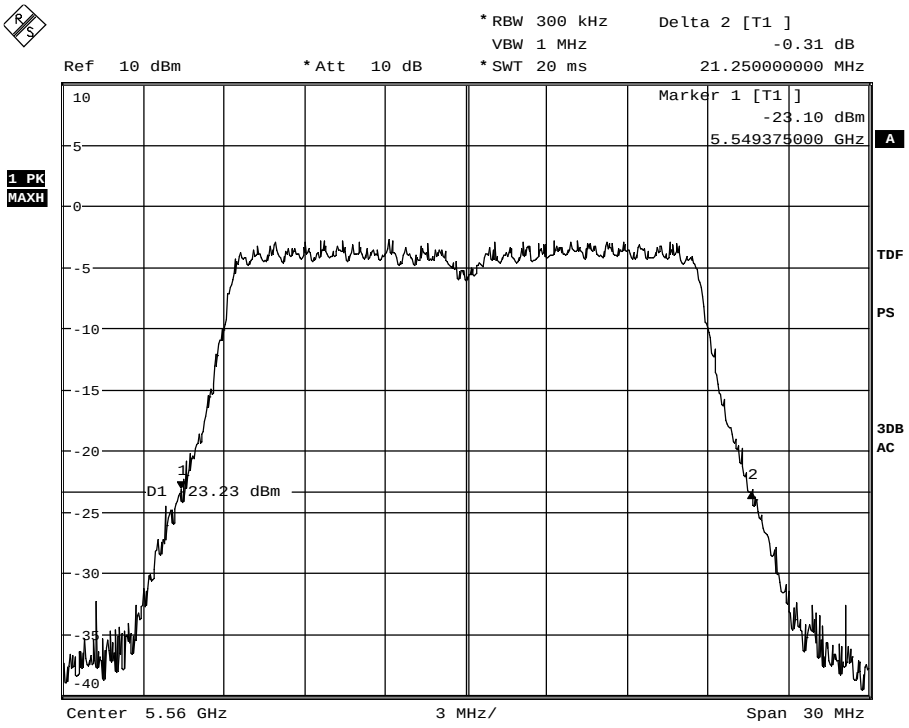


Date: 12.FEB.2013 11:43:46

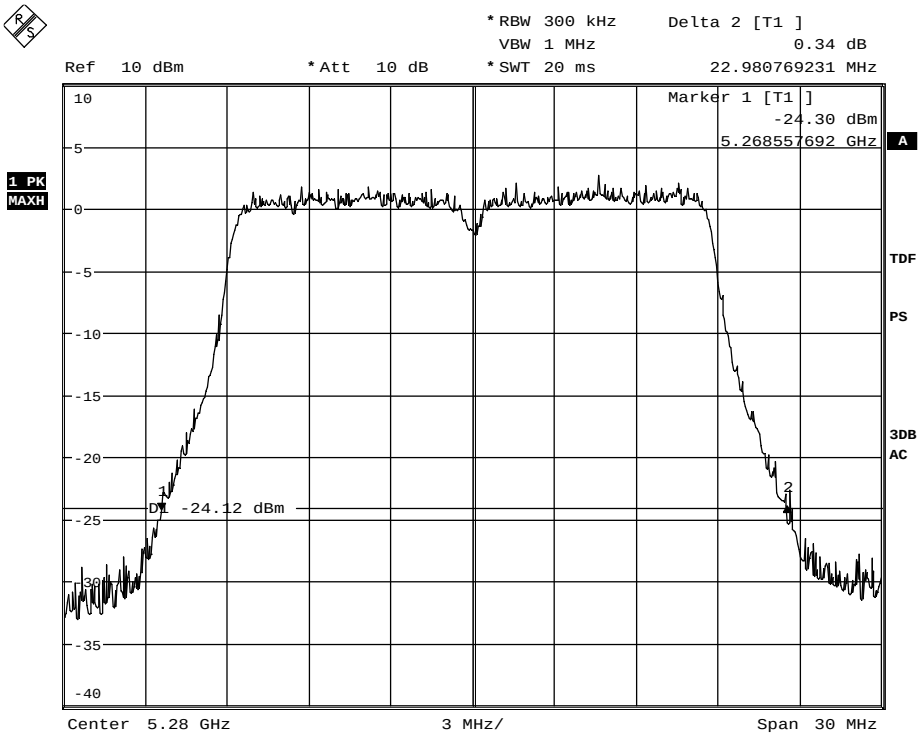
4.5 n(20)-**Mode (Channels 40/112 & 56, Data rates** 6.5 **&** 13 **Mbps)**
Diagram no.'s 34.13-15:



Date: 12.FEB.2013 11:52:46



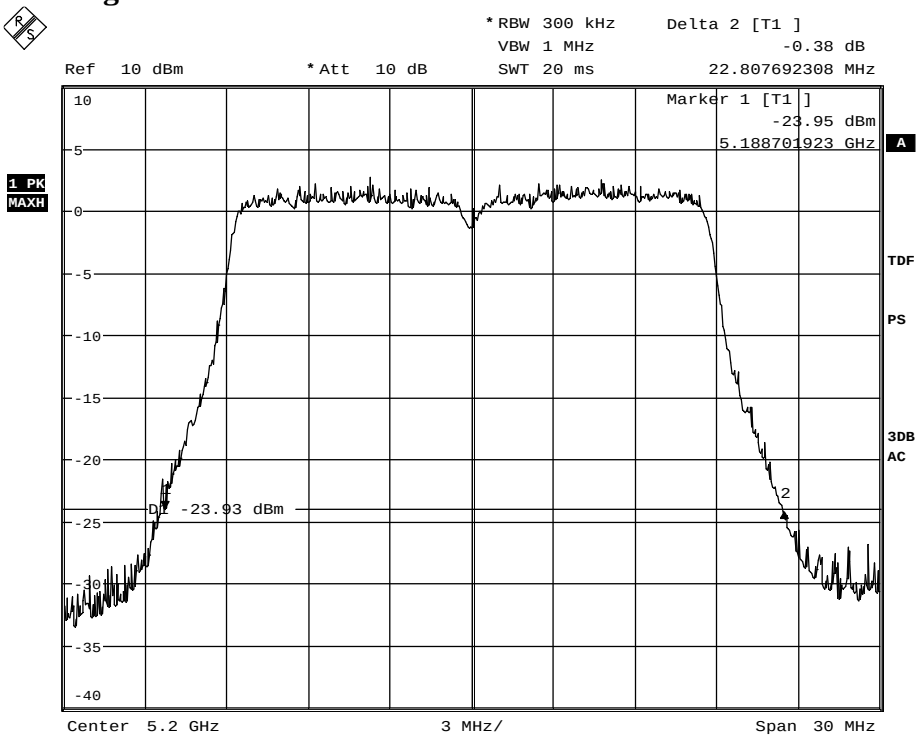
Date: 12.FEB.2013 12:29:27



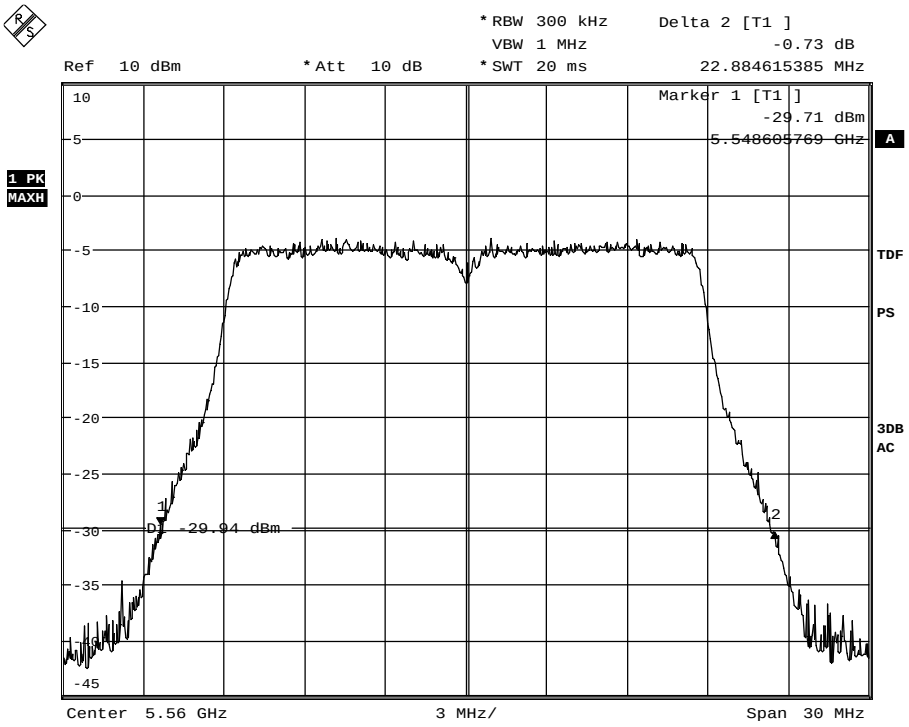
Date: 12.FEB.2013 12:21:49

4.6 n(20)-Mode (Channels 40/112 & 56, Data rates 19.5 & 26 Mbps)

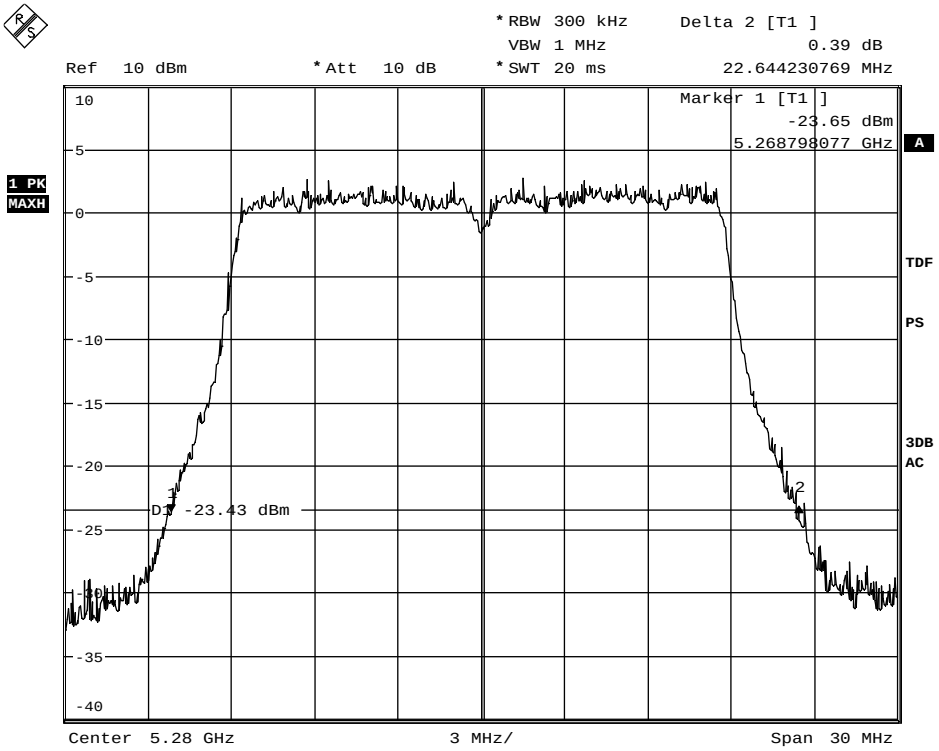
Diagram no.'s 34.16-18:



Date: 12.FEB.2013 12:12:16



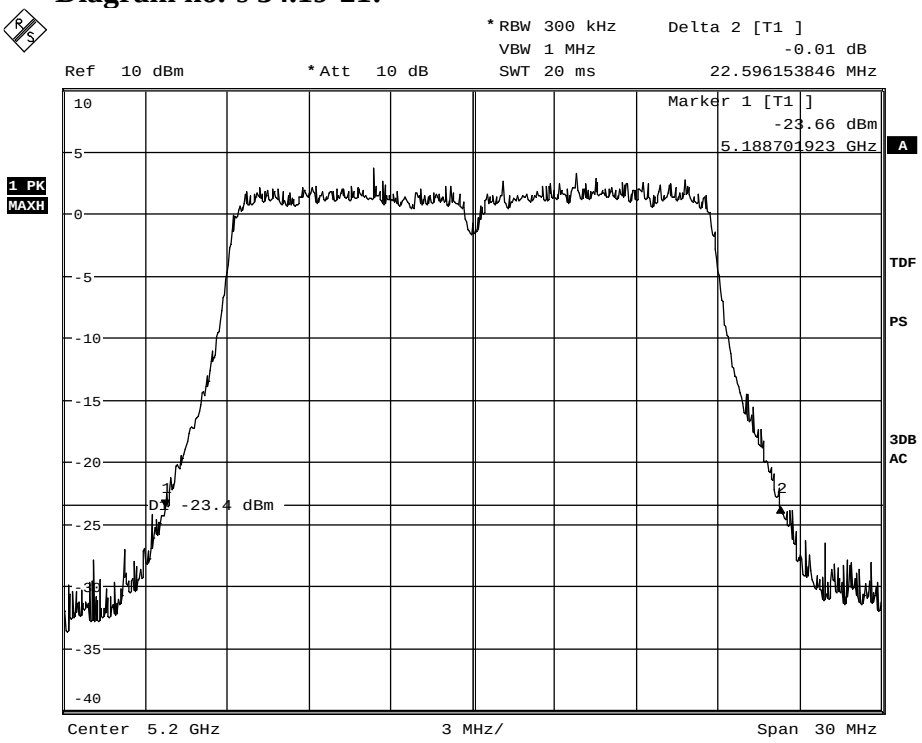
Date: 12.FEB.2013 12:31:55



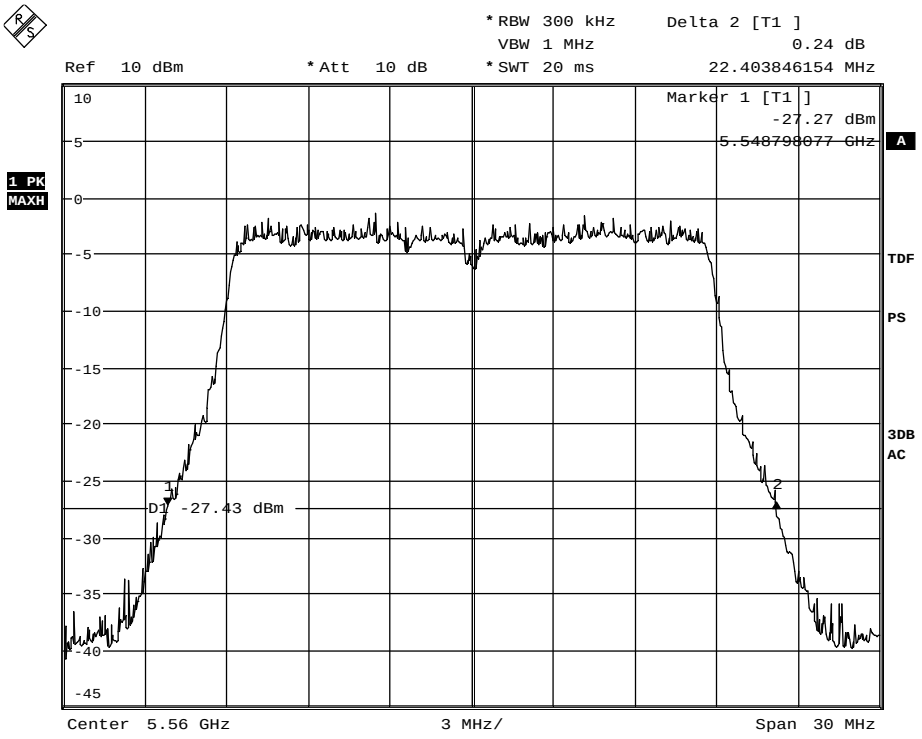
Date: 12.FEB.2013 12:23:34

4.7 n(20)-Mode (Channels 40/112 & 56, Data rates 39 & 52 Mbps)

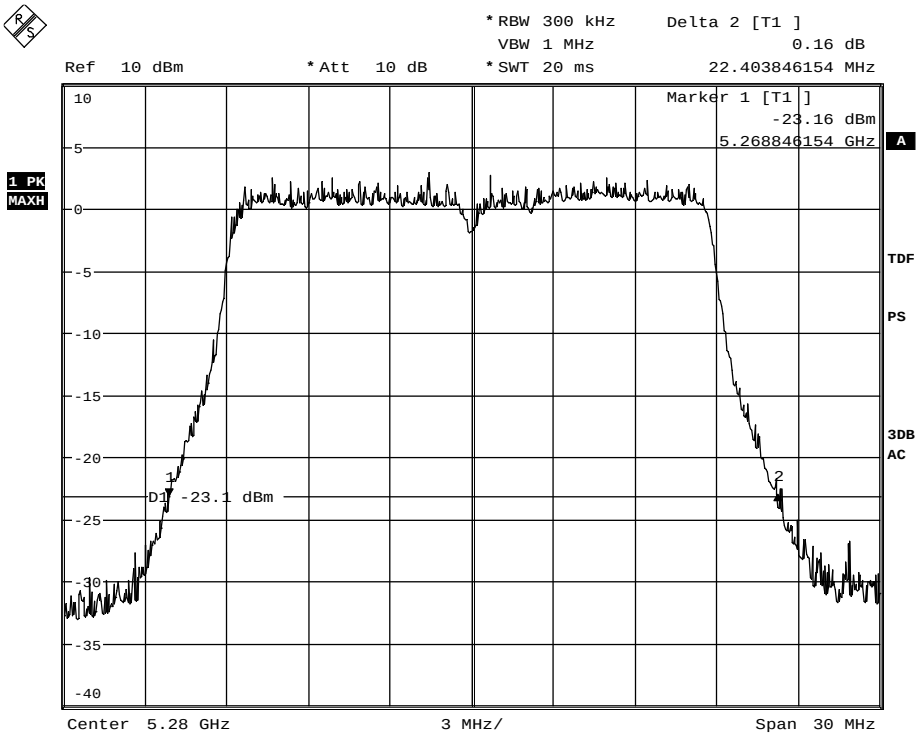
Diagram no.'s 34.19-21:



Date: 12.FEB.2013 12:15:15



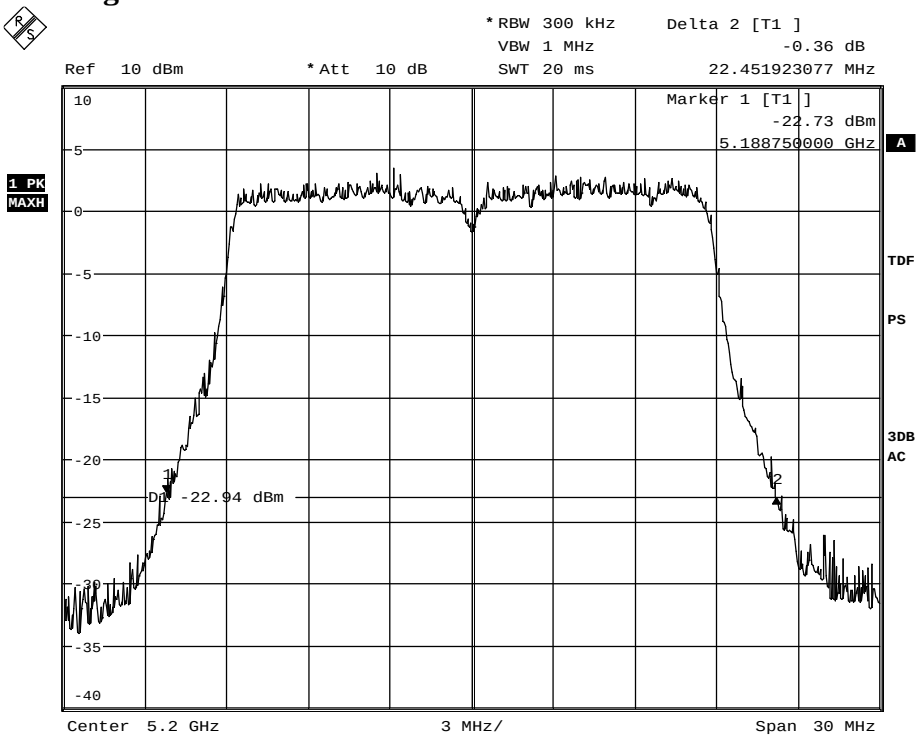
Date: 12.FEB.2013 12:33:36



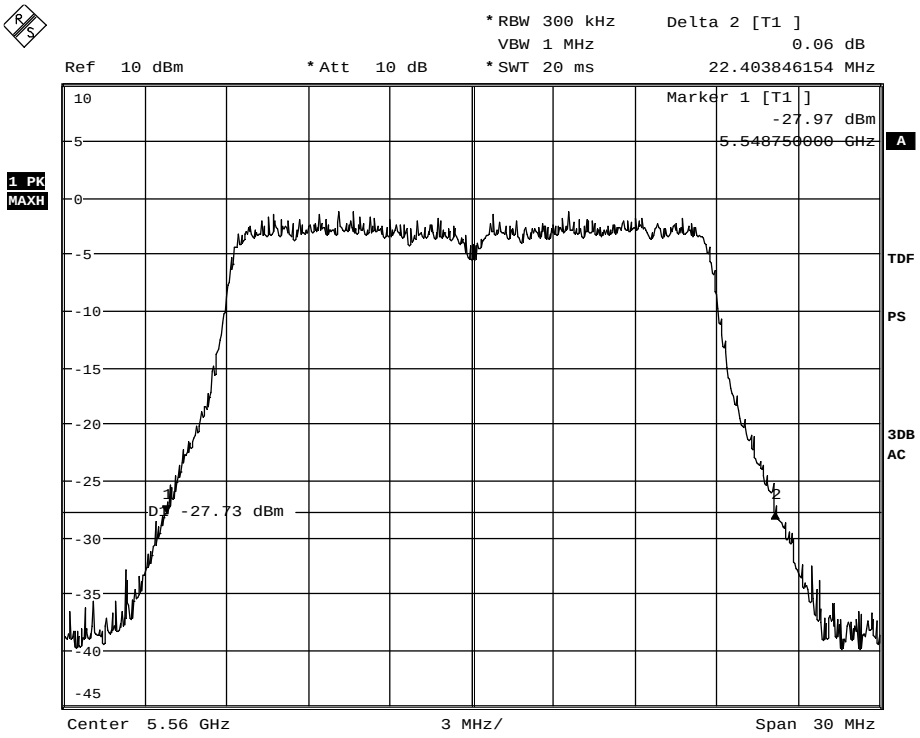
Date: 12.FEB.2013 12:25:11

4.8 n(20)-Mode (Channels 40/112 & 56, Data rates 58.5 & 65 Mbps)

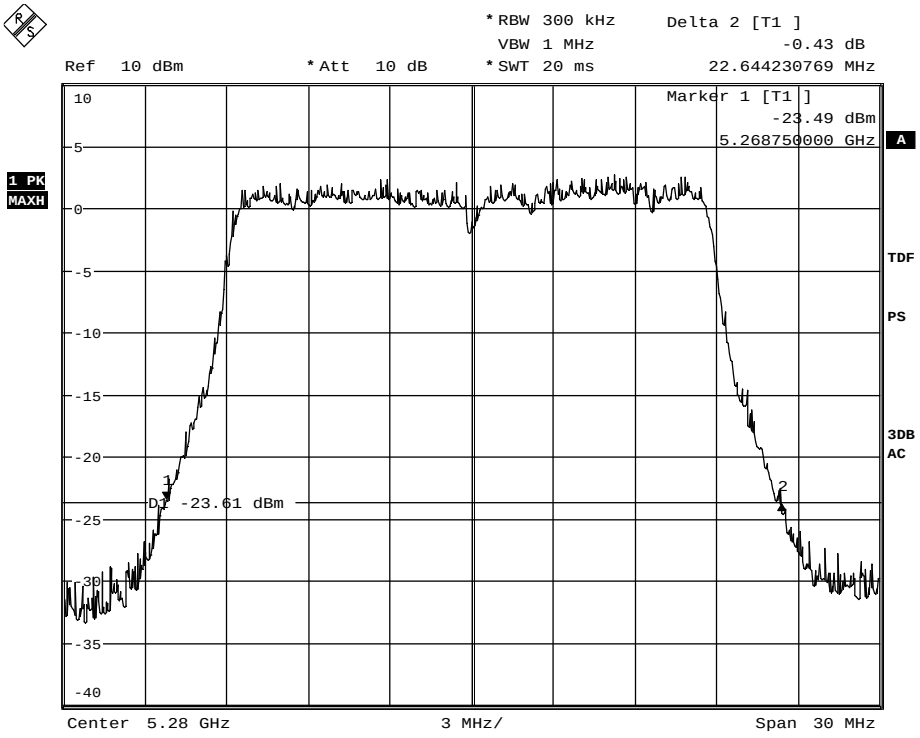
Diagram no.'s 34.22-24:



Date: 12.FEB.2013 12:17:18

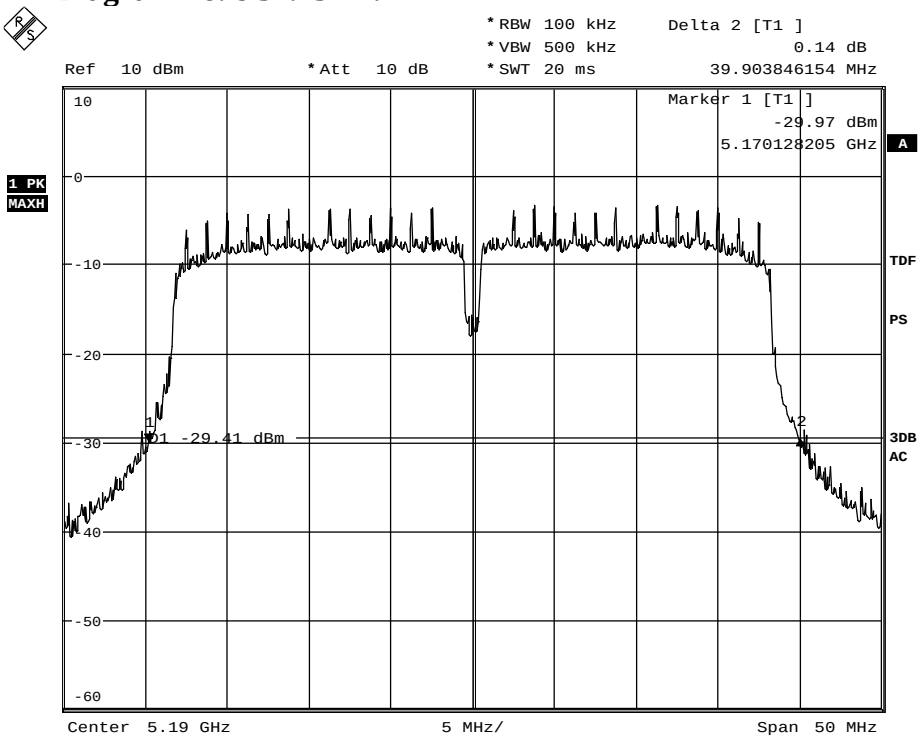


Date: 12.FEB.2013 12:38:47

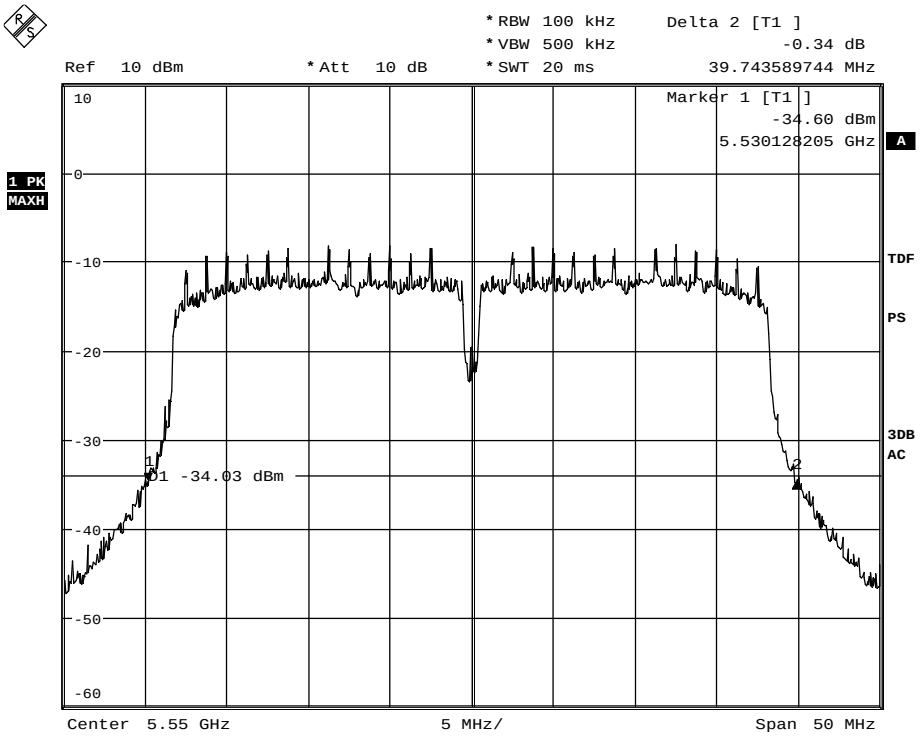


Date: 12.FEB.2013 12:26:52

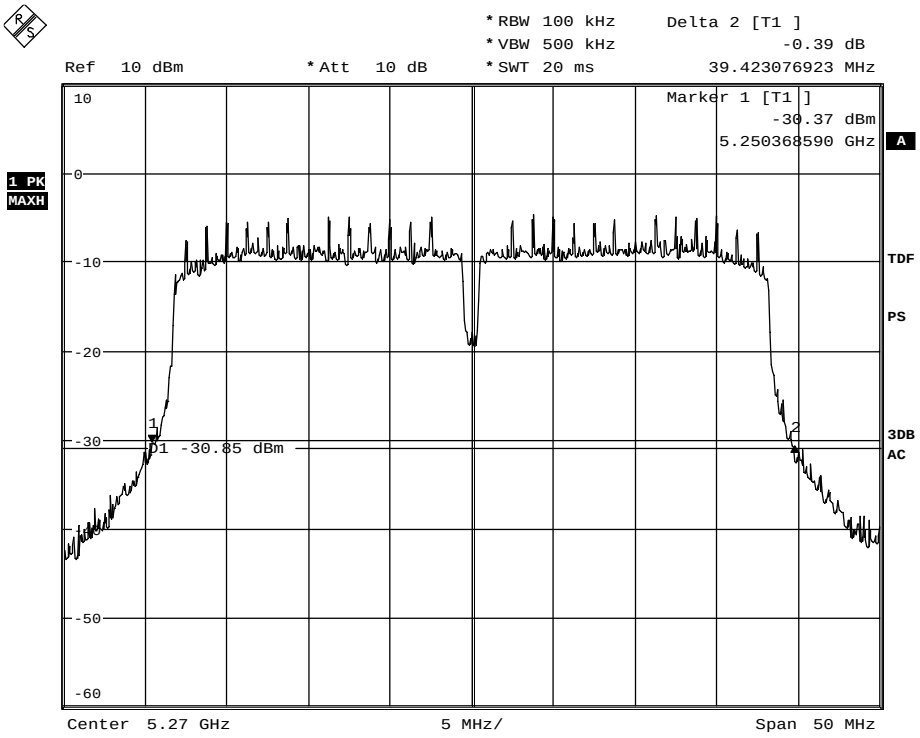
4.9 n(40)-Mode (Channels 38/54 & 110, Data rates 13.5 & 27 Mbps)
Diagram no.'s 34.25-27:



Date: 12.FEB.2013 14:58:49



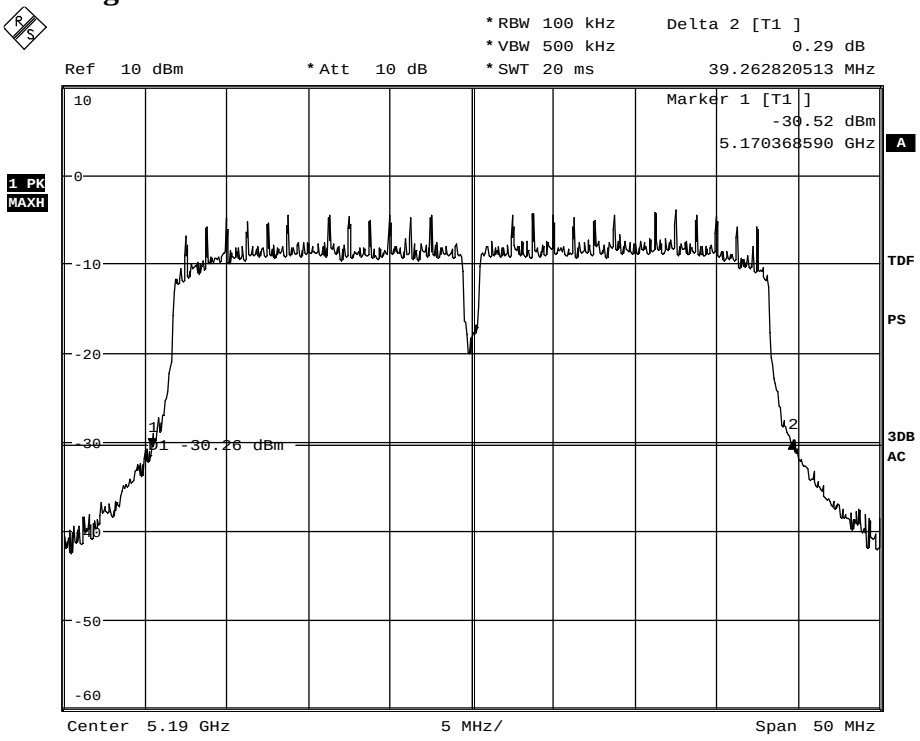
Date: 12.FEB.2013 15:16:42



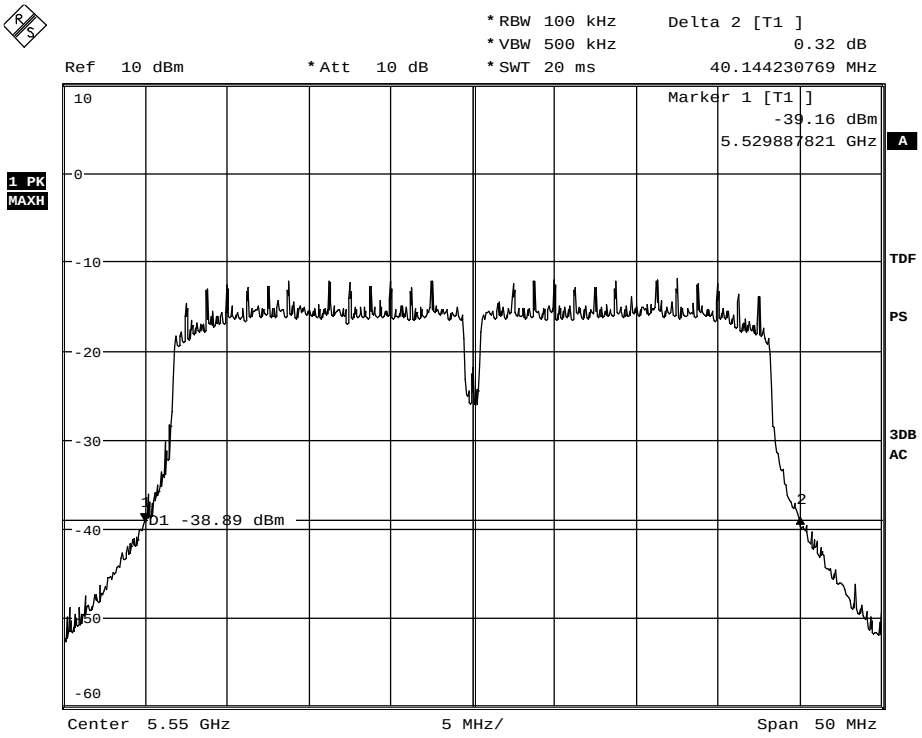
Date: 12.FEB.2013 15:07:56

4.10 n(40)-Mode (Channels 38/54 & 110, Data rates 40.5 & 54 Mbps)

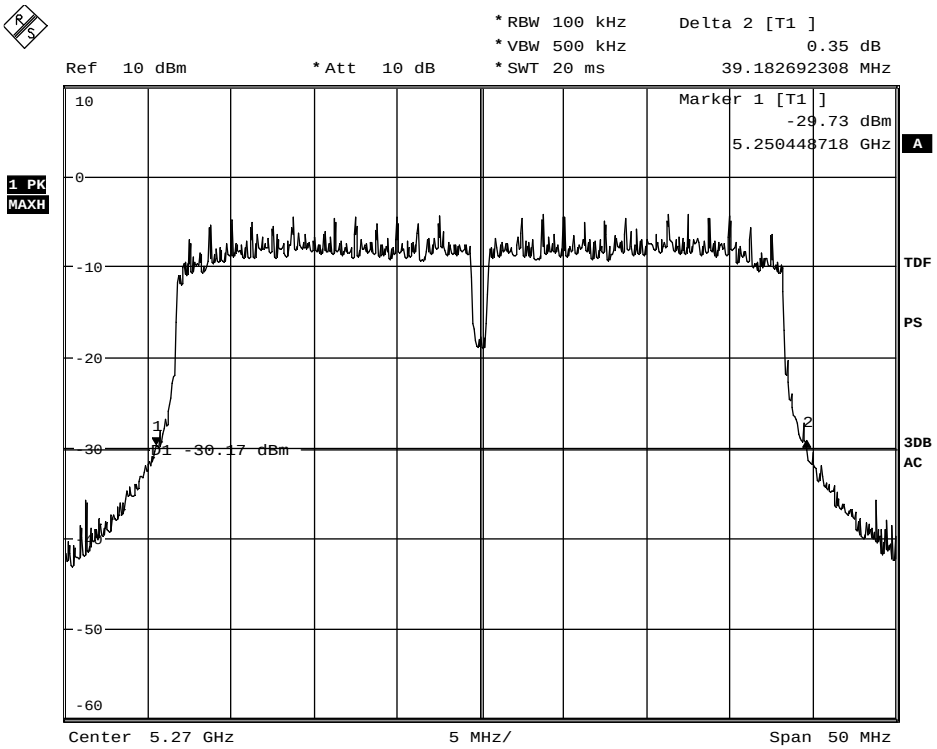
Diagram no.'s 34.28-30:



Date: 12.FEB.2013 15:00:59

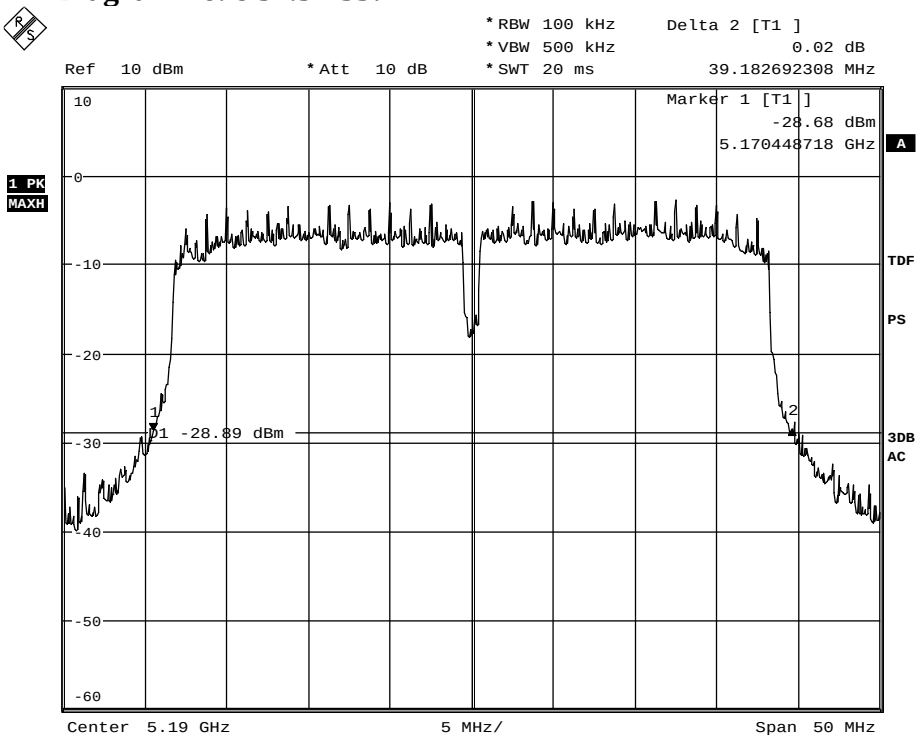


Date: 12.FEB.2013 15:19:21

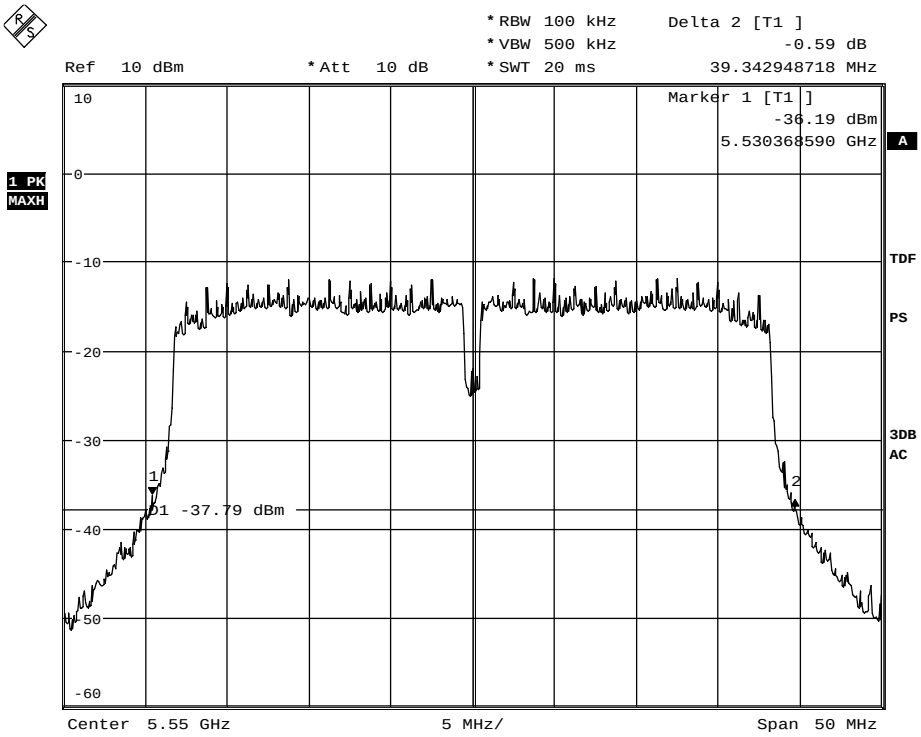


Date: 12.FEB.2013 15:10:04

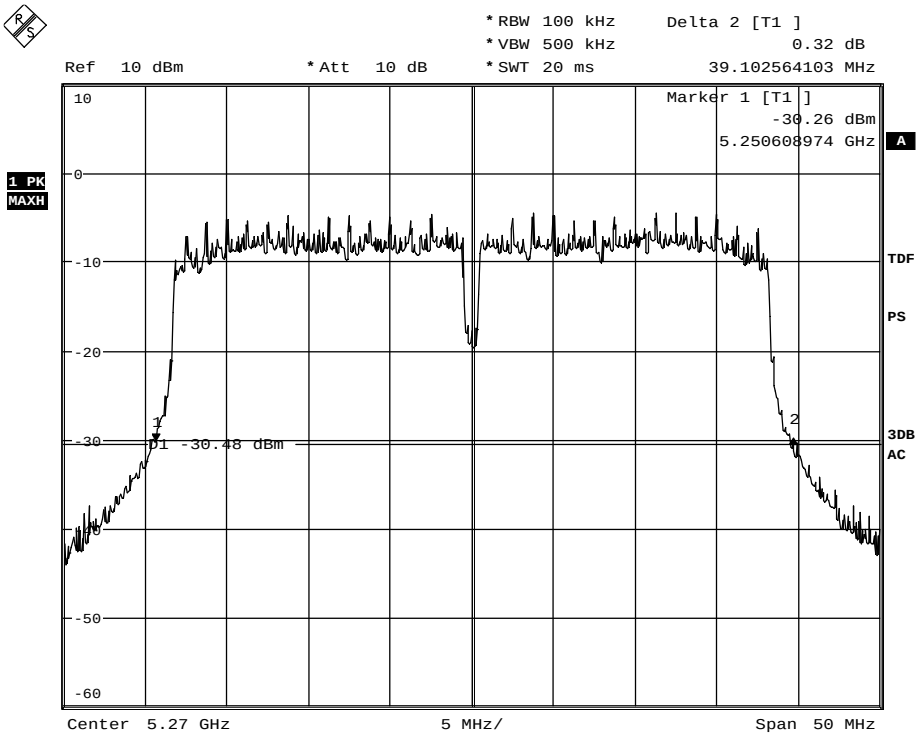
4.11 n(40)-Mode (Channels 38/54 & 110, Data rates 81 & 108 Mbps)
Diagram no.'s 34.31-33:



Date: 12.FEB.2013 15:03:02

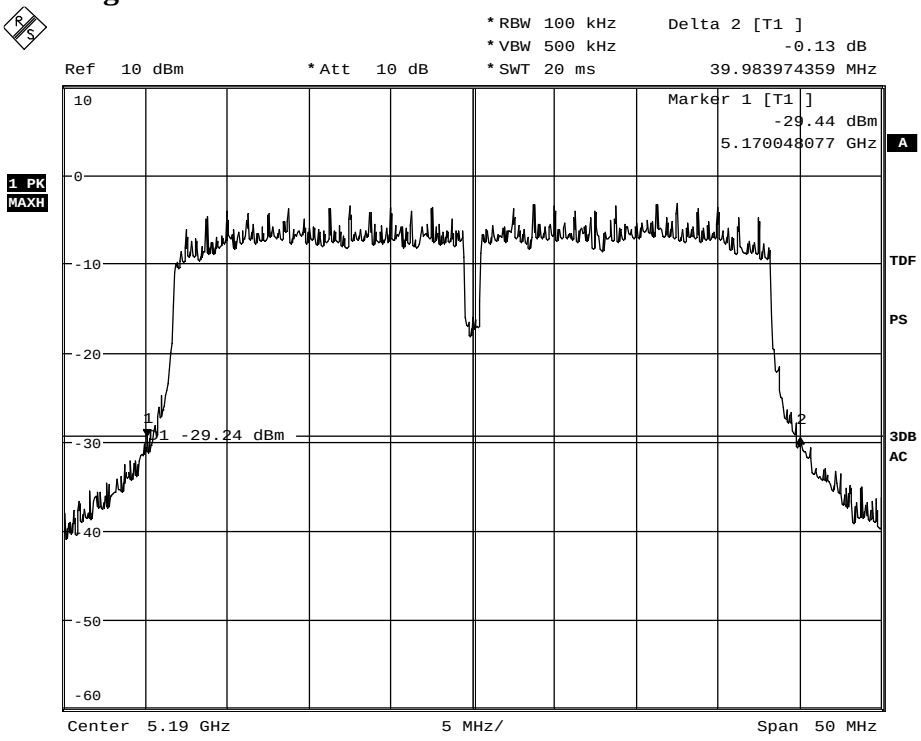


Date: 12.FEB.2013 15:21:29

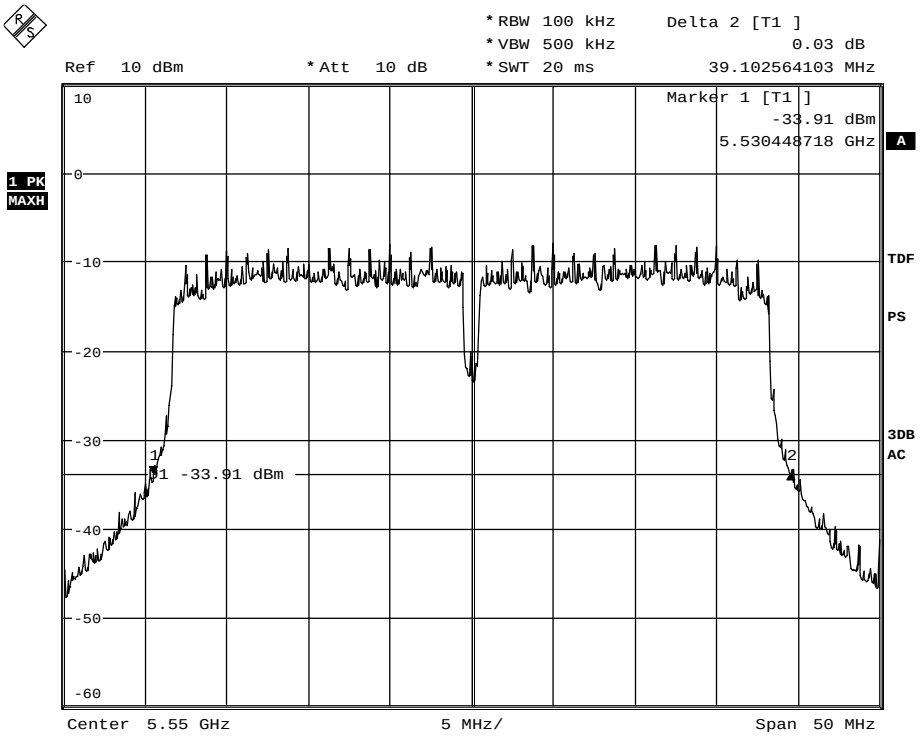


Date: 12.FEB.2013 15:12:24

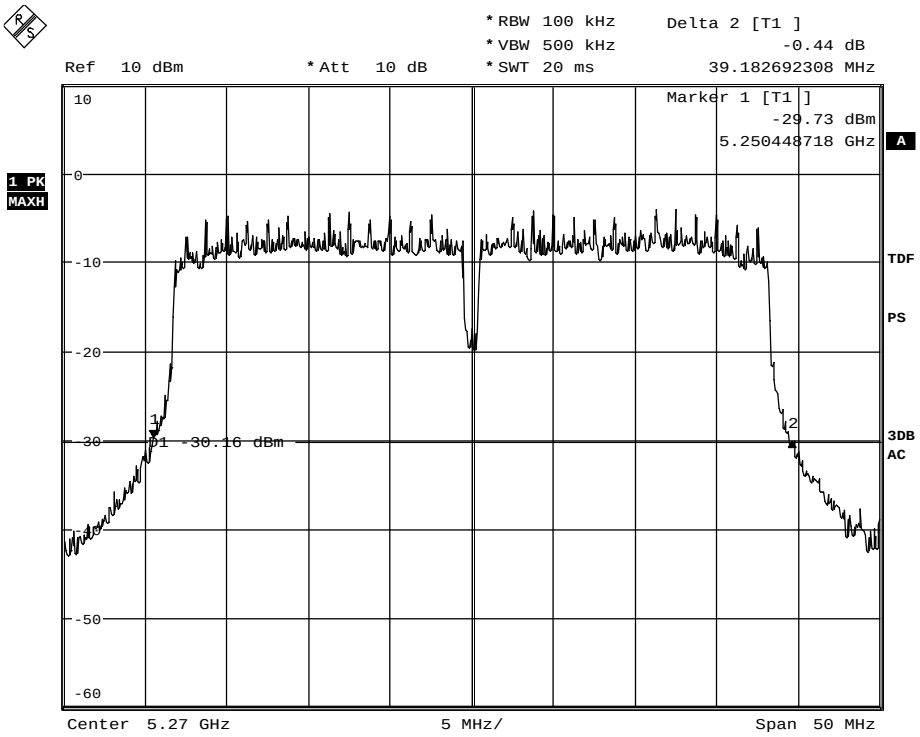
4.12 n(40)-Mode (Channels 38/54 & 110, Data rates 121.5 & 135 Mbps)
Diagram no.'s 34.34-36:



Date: 12.FEB.2013 15:05:09



Date: 12.FEB.2013 15:23:35

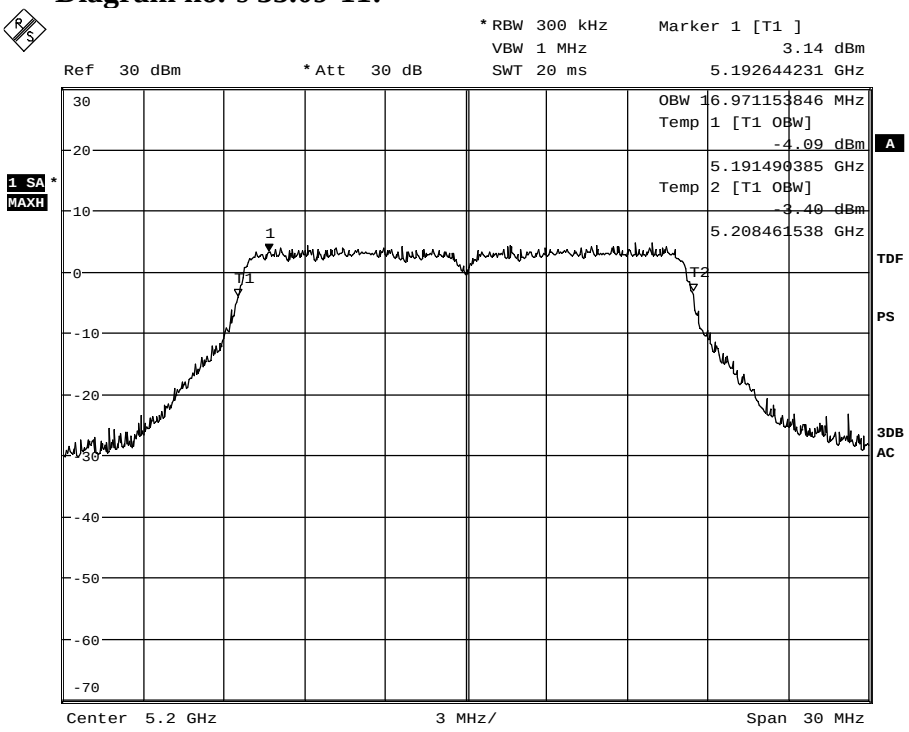


Date: 12.FEB.2013 15:14:13

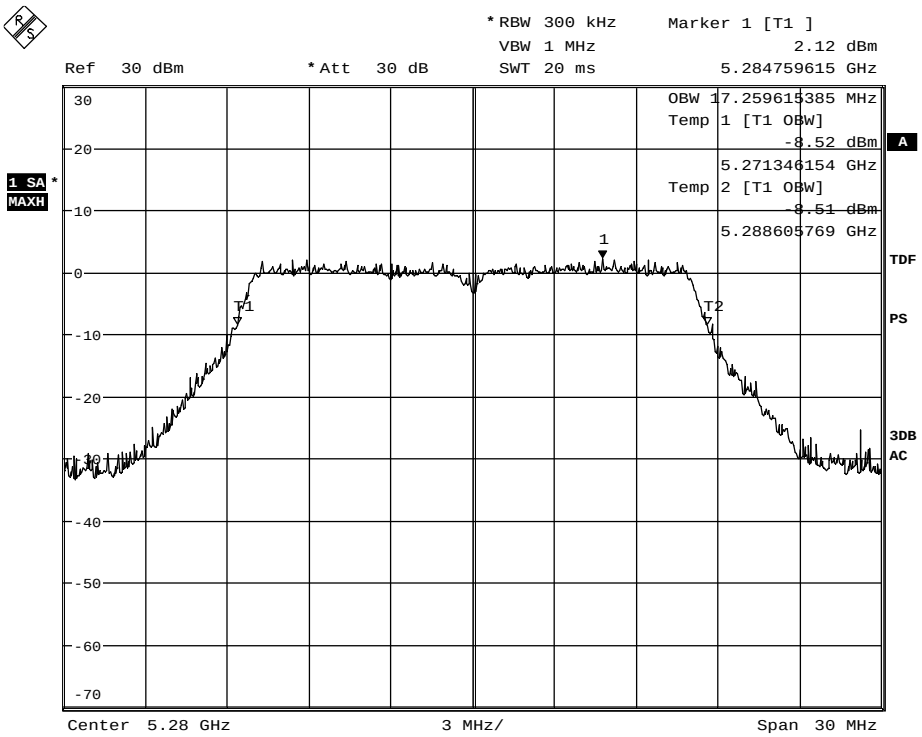
5. Occupied bandwidth 99% (conducted)

5.1 a-Mode (Channels 40, 56 & 112, max. data rates 48, 9 & 12)

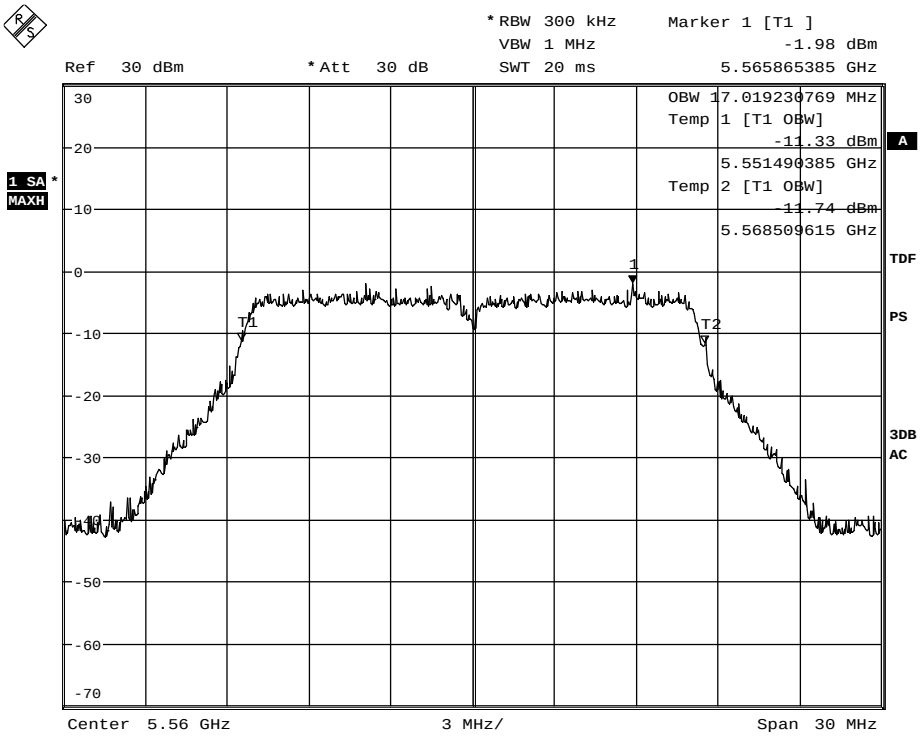
Diagram no.'s 35.09-11:



Date: 20.FEB.2013 12:38:24

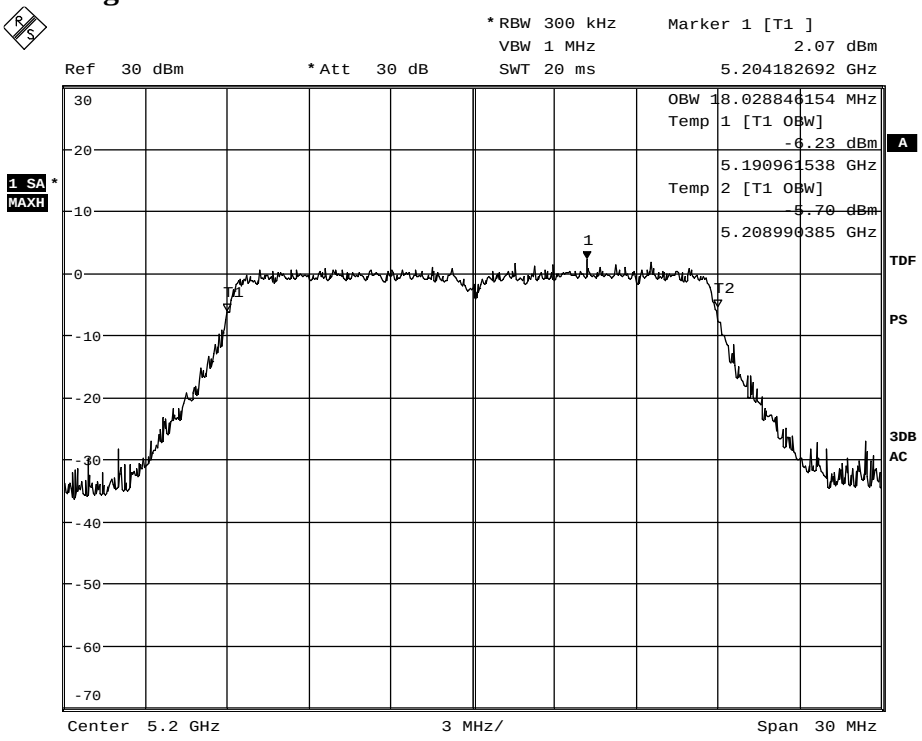


Date: 20.FEB.2013 12:50:01

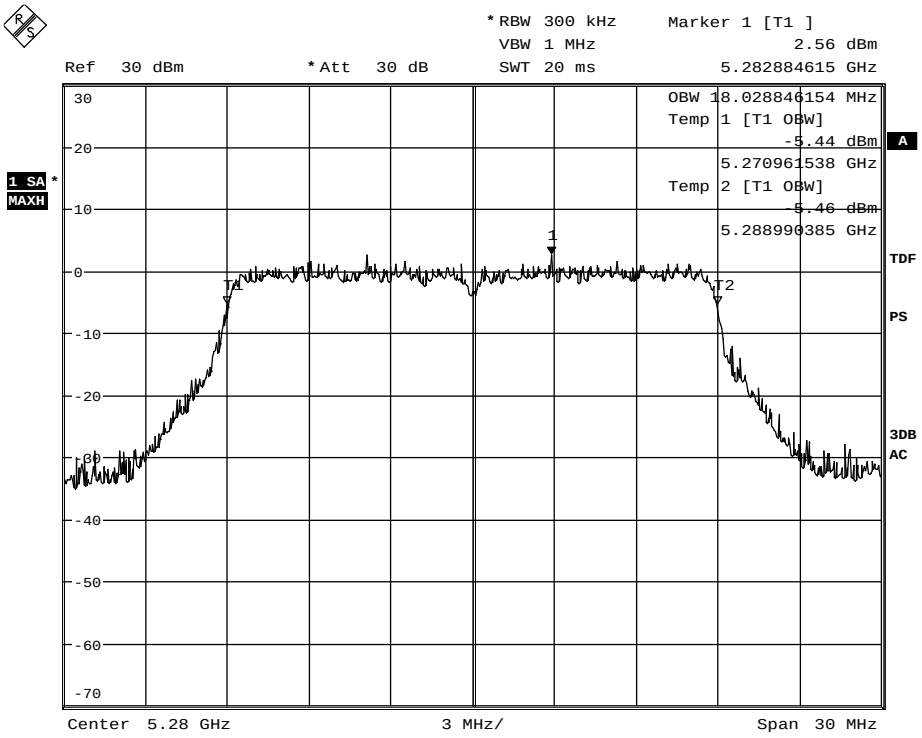


Date: 20.FEB.2013 12:51:33

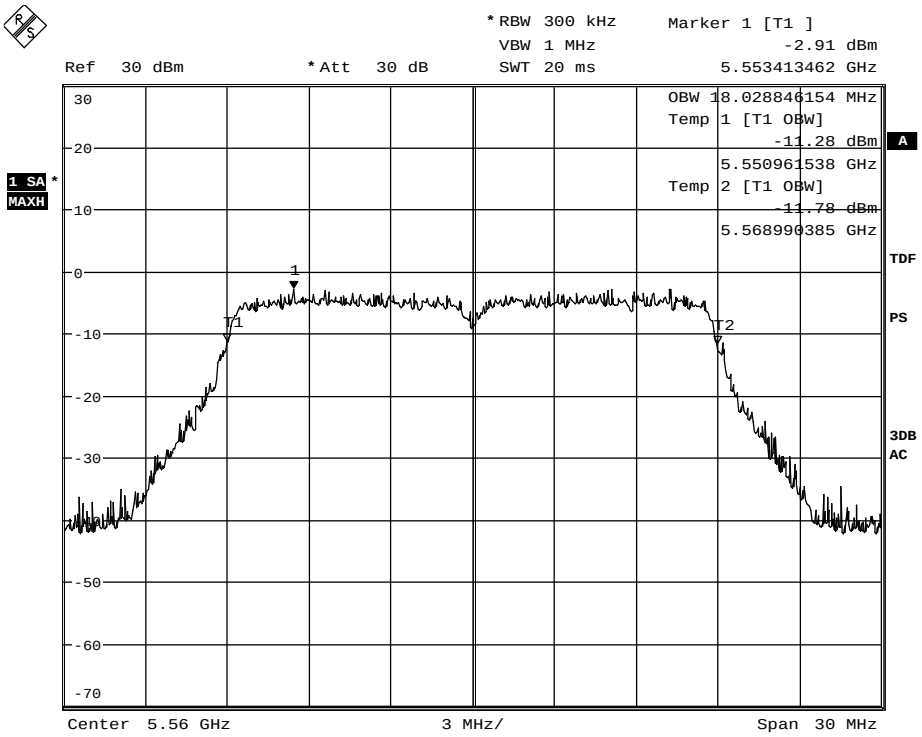
5.2 n20-Mode (Channels 40, 56 & 112, max. data rates 6.5, 13 & 6.5) Diagram no.'s 35.12-14:



Date: 20.FEB.2013 13:50:13

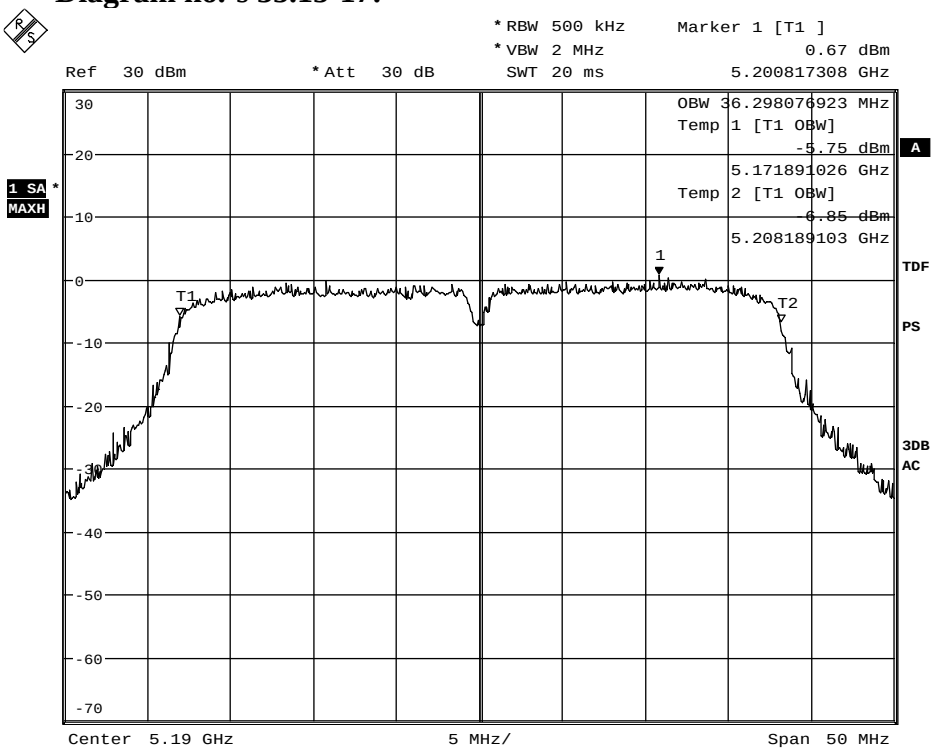


Date: 20.FEB.2013 13:51:21

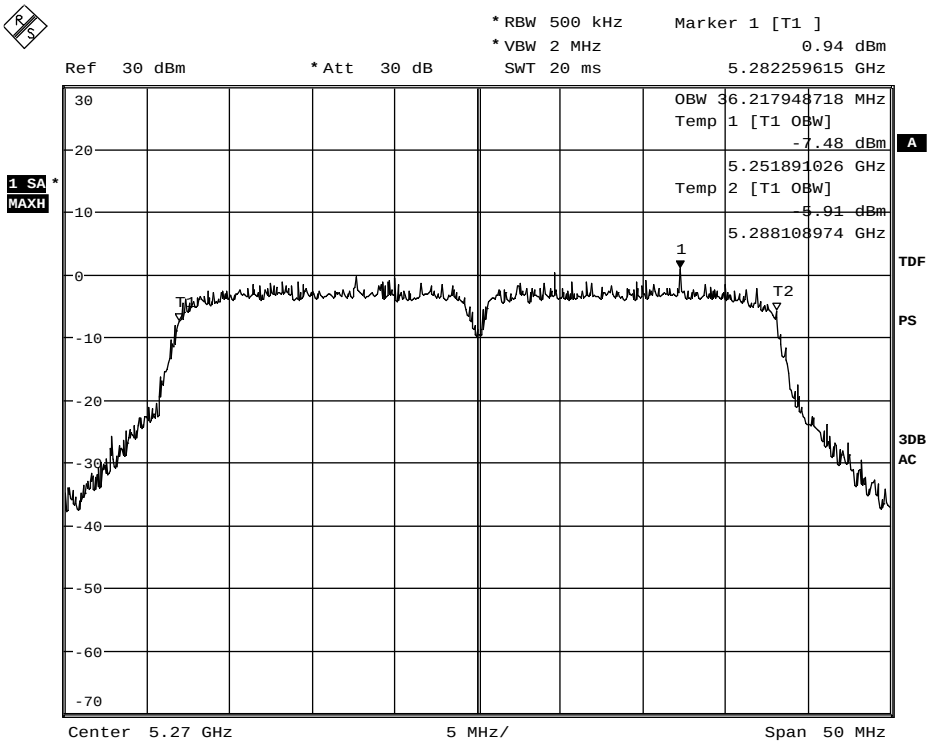


Date: 20.FEB.2013 13:52:31

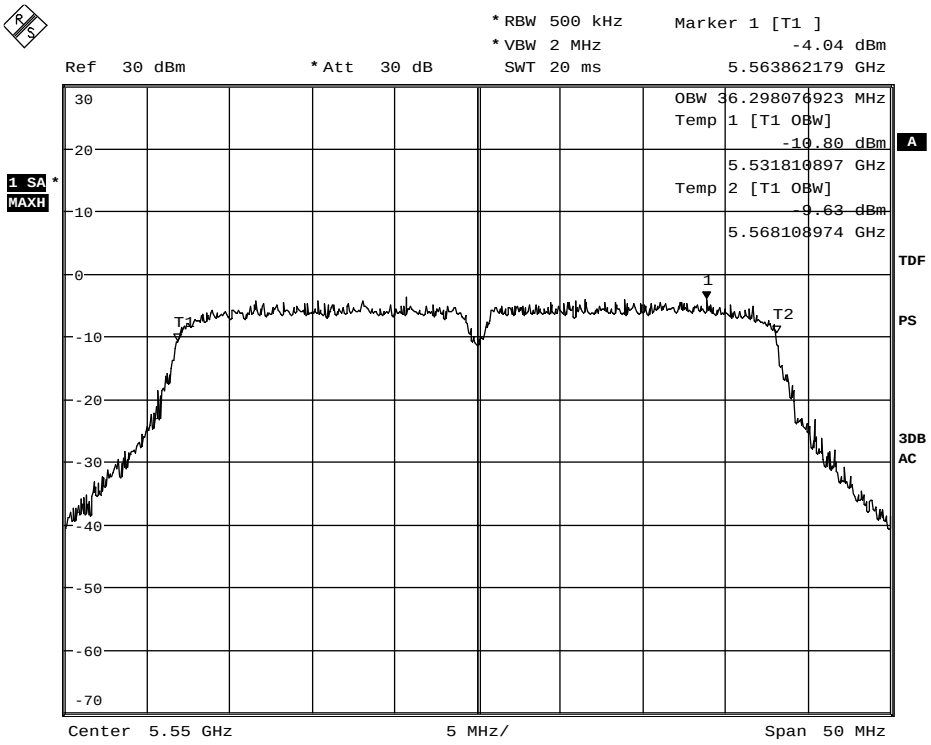
5.3 n40-Mode (Channels 38, 54 & 110, max. data rates 13.5, 27 & 13.5)
Diagram no.'s 35.15-17:



Date: 20.FEB.2013 14:00:48



Date: 20.FEB.2013 14:03:29

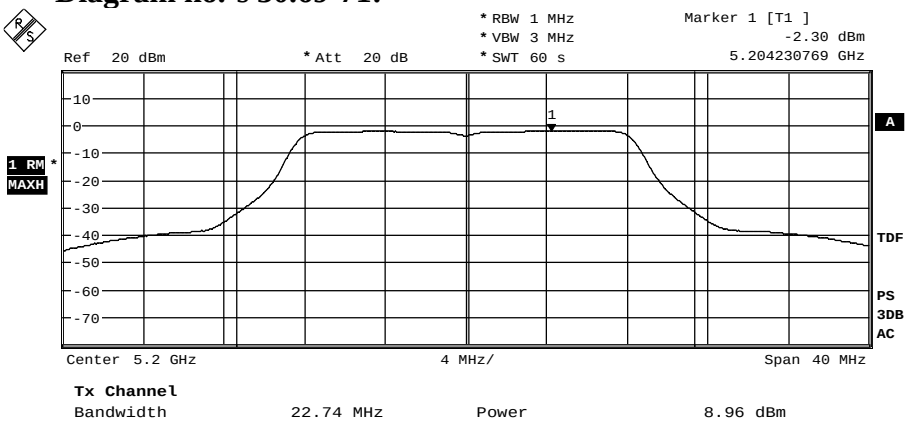


Date: 20.FEB.2013 14:04:48

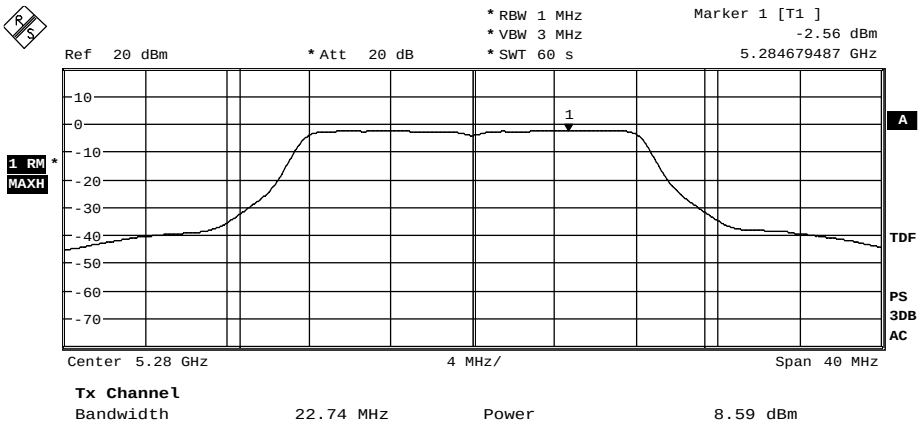
6. Transmitter Peak output power (conducted)

6.1 a-Mode (Channels 40, 56 &112, data rates: 6, 9 & 6 Mbps)

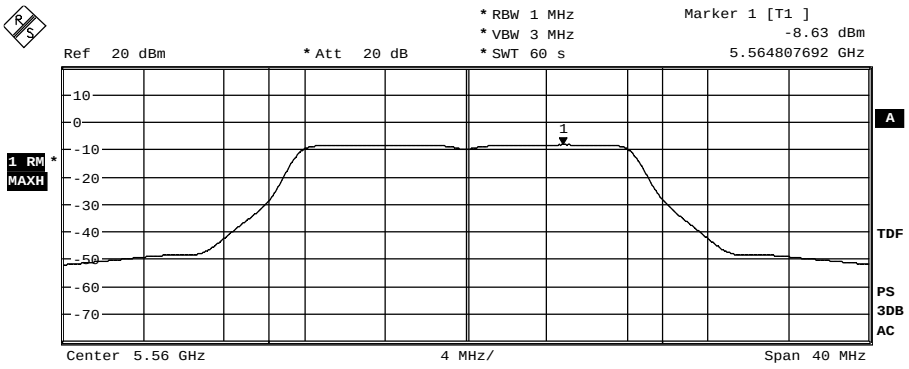
Diagram no.'s 30.69-71:



Date: 14.FEB.2013 14:17:35



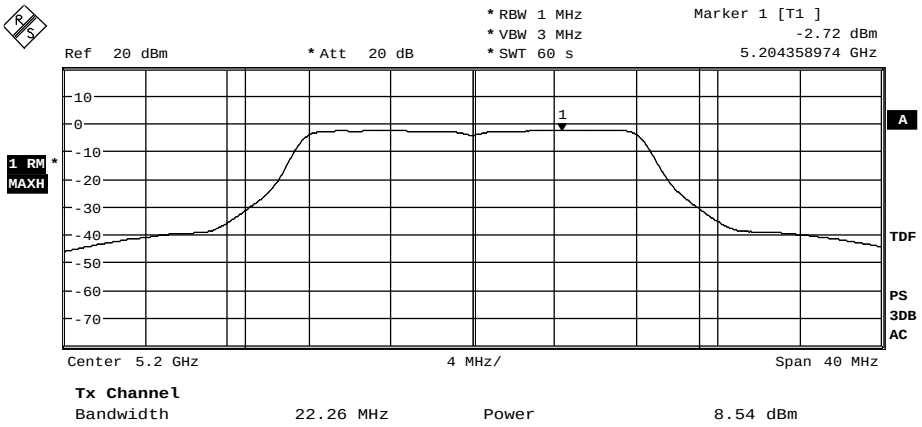
Date: 14.FEB.2013 14:31:42



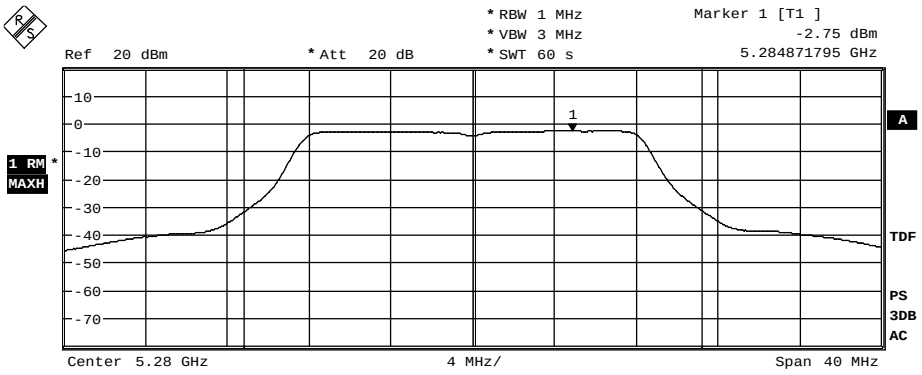
Date: 14.FEB.2013 14:42:10

6.2 a-Mode (Channels 40, 56 & 112, data rates: 12, 18 & 12 Mbps)

Diagram no.'s 30.72-74:



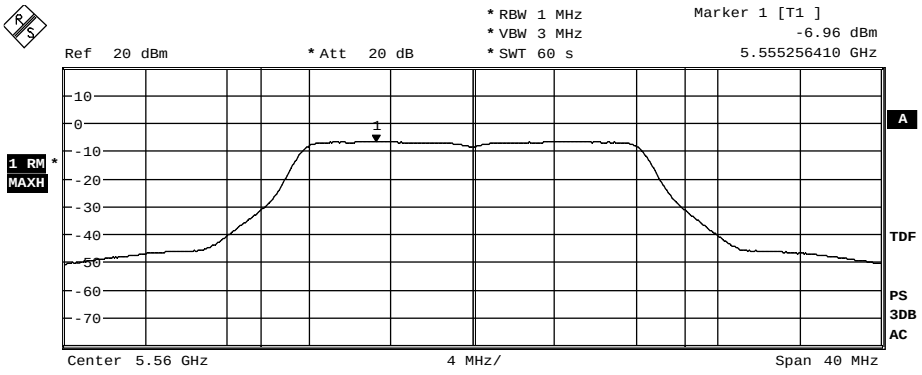
Date: 14.FEB.2013 14:23:12



Tx Channel

Bandwidth	22.36 MHz	Power	8.38 dBm

Date: 14.FEB.2013 14:33:41



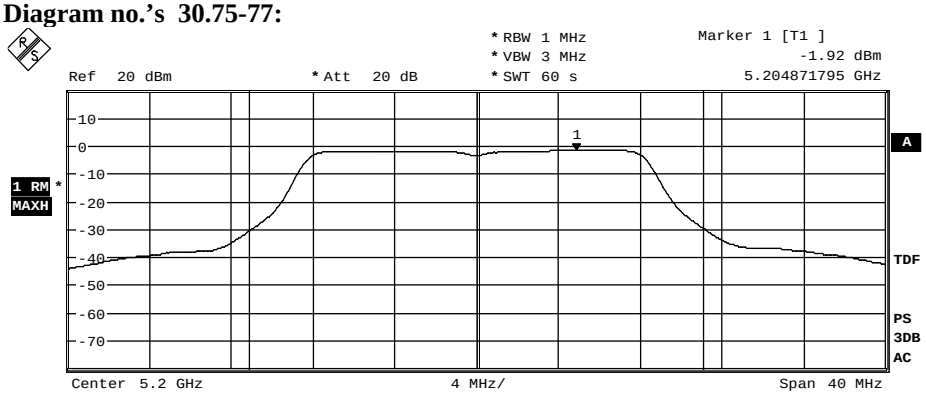
Tx Channel

Bandwidth	20.72 MHz	Power	4.25 dBm

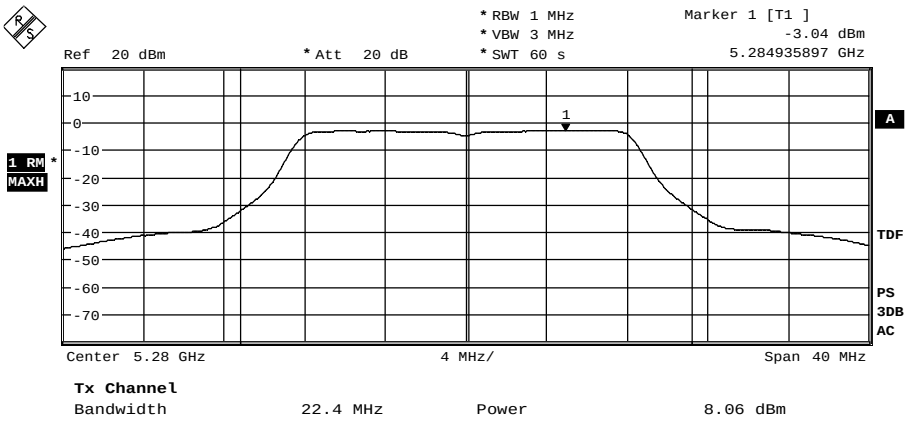
Date: 14.FEB.2013 14:44:51

6.3 a-Mode (Channels 40, 56 & 112, data rates: 24, 36 & 24 Mbps)

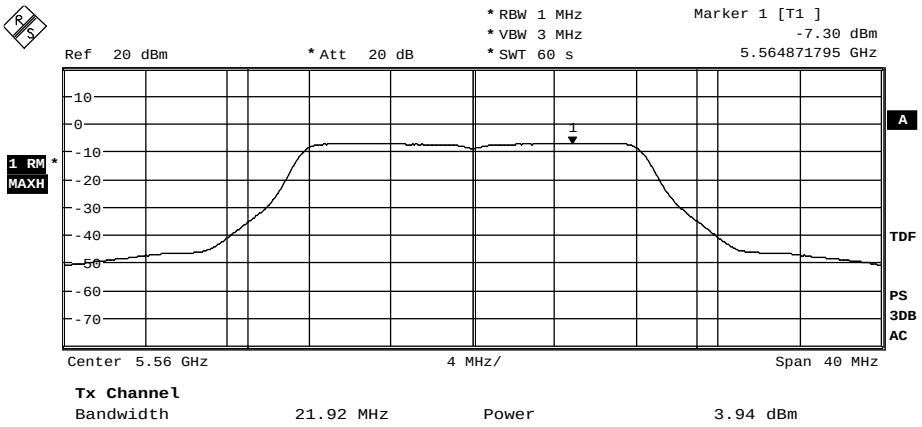
Diagram no.'s 30.75-77:



Date: 14.FEB.2013 14:25:30



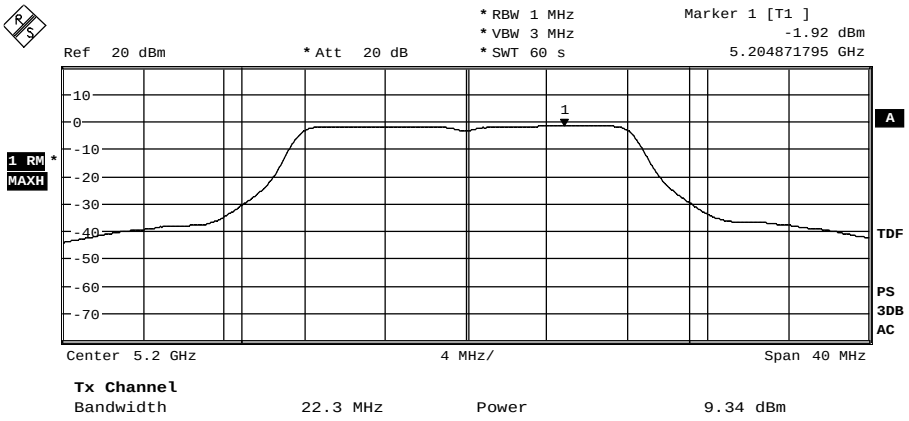
Date: 14.FEB.2013 14:36:17



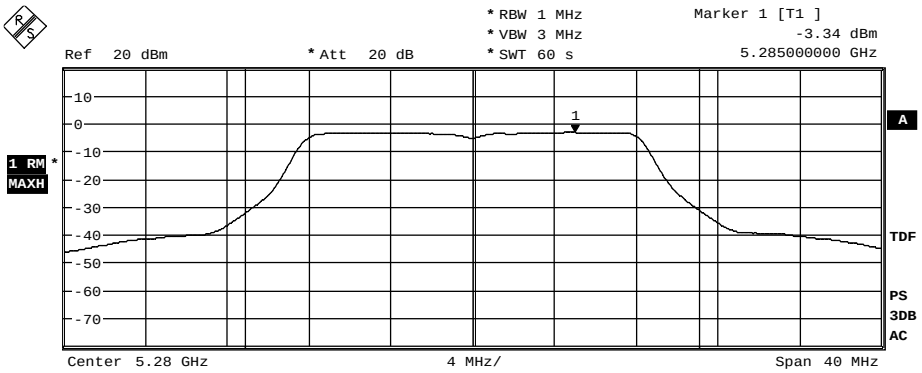
Date: 14.FEB.2013 14:47:28

6.4 a-Mode (Channels 40, 56 & 112, data rates: 48, 54 & 48 Mbps)

Diagram no.'s 30.78-80:



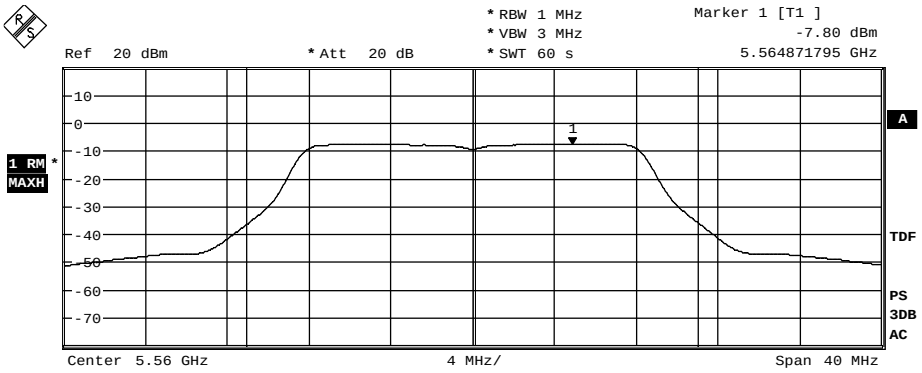
Date: 14.FEB.2013 14:25:30



Tx Channel

Bandwidth	22.21 MHz	Power	7.75 dBm

Date: 14.FEB.2013 14:39:21



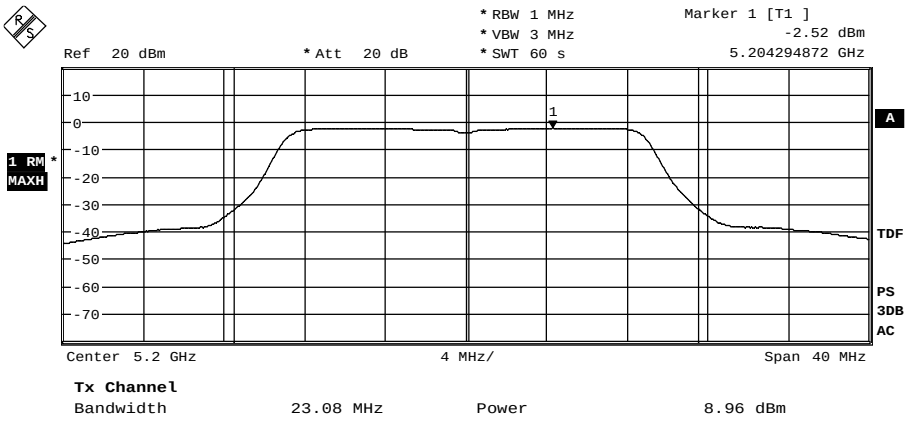
Tx Channel

Bandwidth	22.12 MHz	Power	3.43 dBm

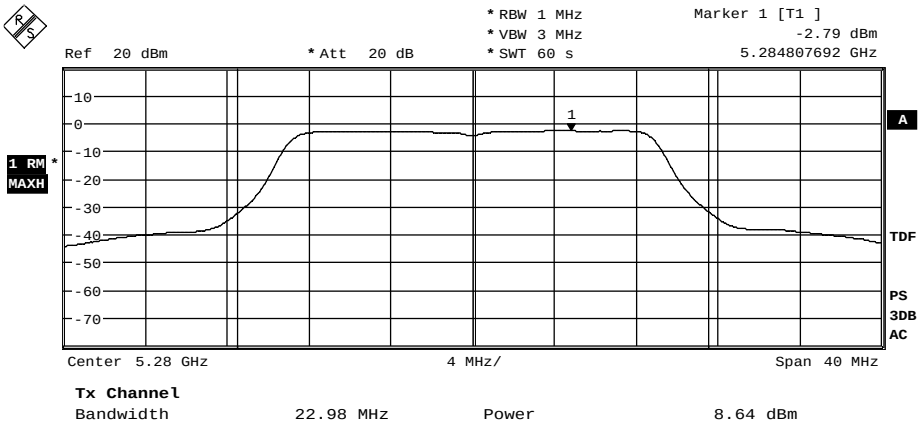
Date: 14.FEB.2013 14:49:45

6.5 n20-Mode (Channels 40, 56 & 112, data rates: 6.5, 13 & 6.5 Mbps)

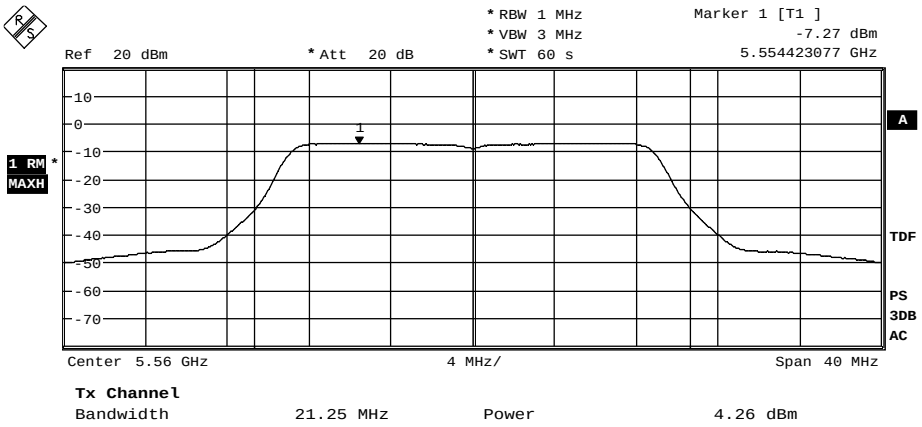
Diagram no.'s 30.81-83:



Date: 14.FEB.2013 14:53:49



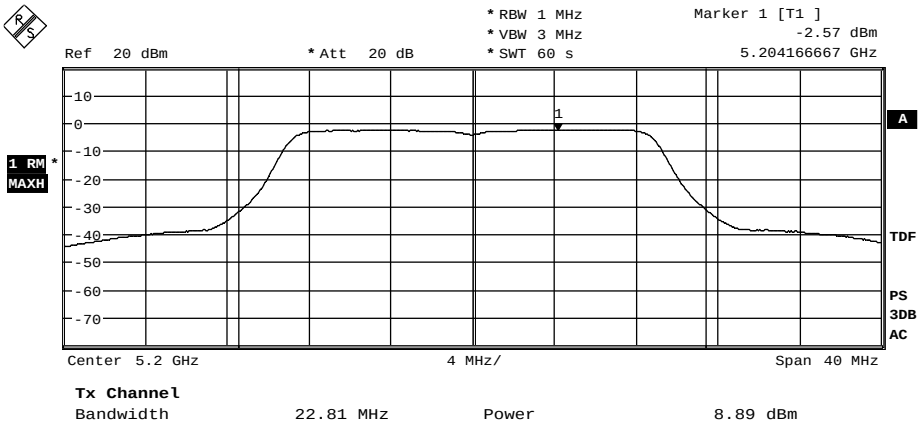
Date: 14.FEB.2013 15:05:27



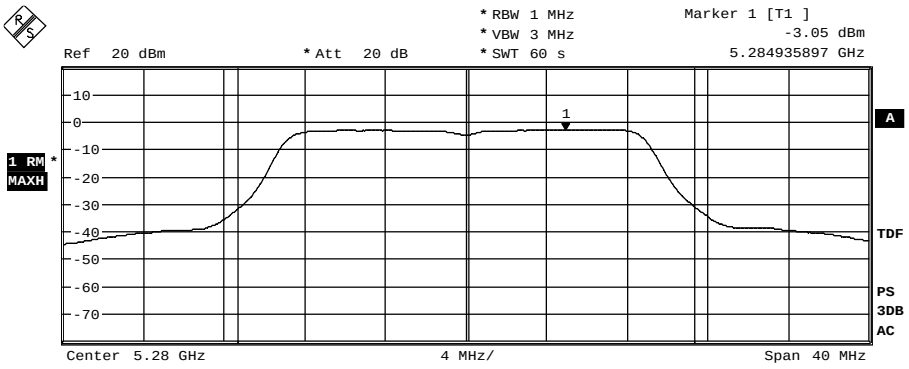
Date: 14.FEB.2013 15:14:50

6.6 n20-Mode (Channels 40, 56 & 112, data rates: 19.5, 26 & 19.5 Mbps)

Diagram no.'s 30.84-86:



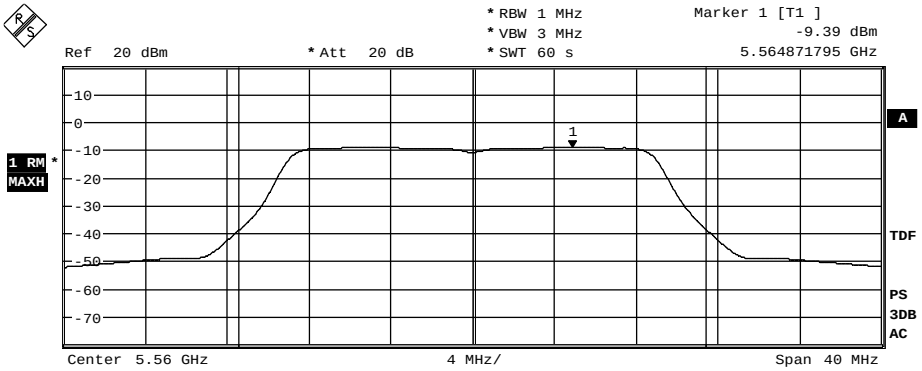
Date: 14.FEB.2013 14:56:19



Tx Channel

Bandwidth	22.64 MHz	Power	8.31 dBm

Date: 14.FEB.2013 15:07:53



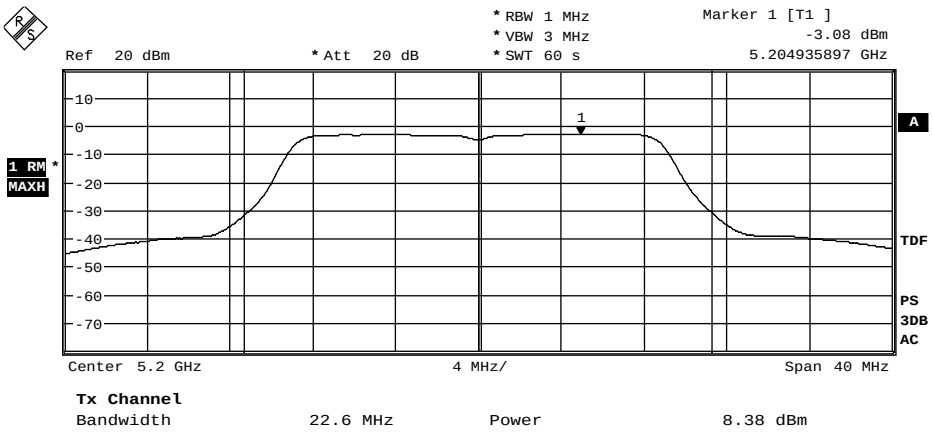
Tx Channel

Bandwidth	22.88 MHz	Power	2.16 dBm

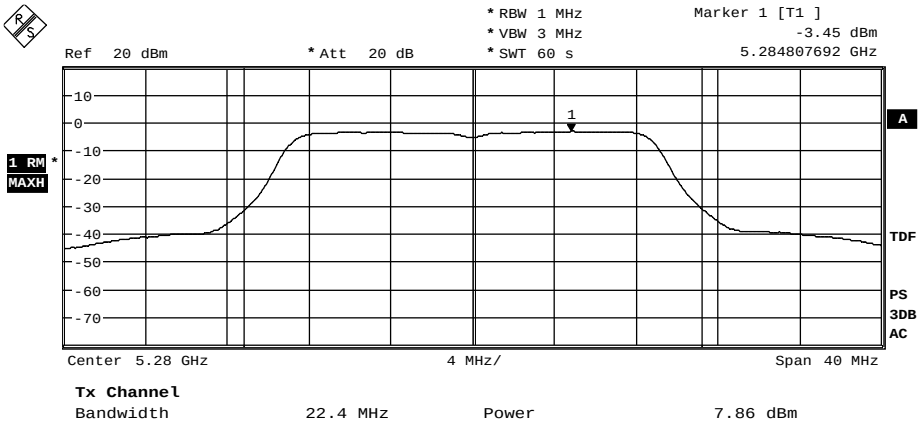
Date: 14.FEB.2013 15:18:38

6.7 n20-Mode (Channels 40, 56 & 112, data rates: 39, 52 & 39 Mbps)

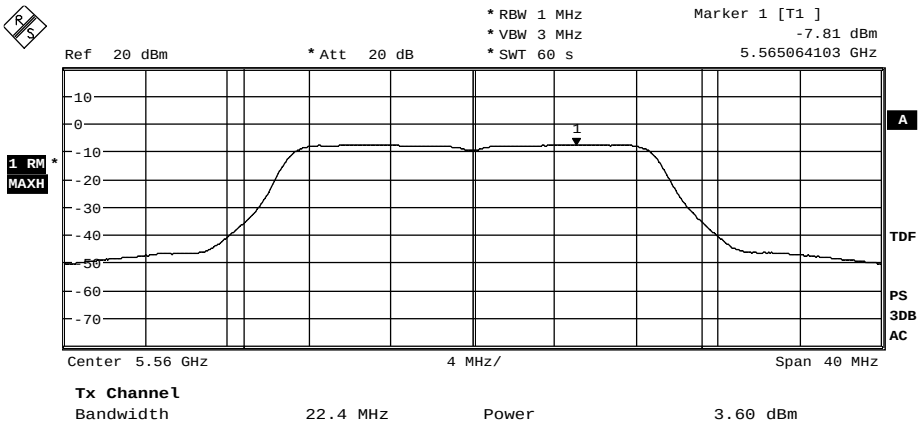
Diagram no.'s 30.87-89:



Date: 14.FEB.2013 14:58:26



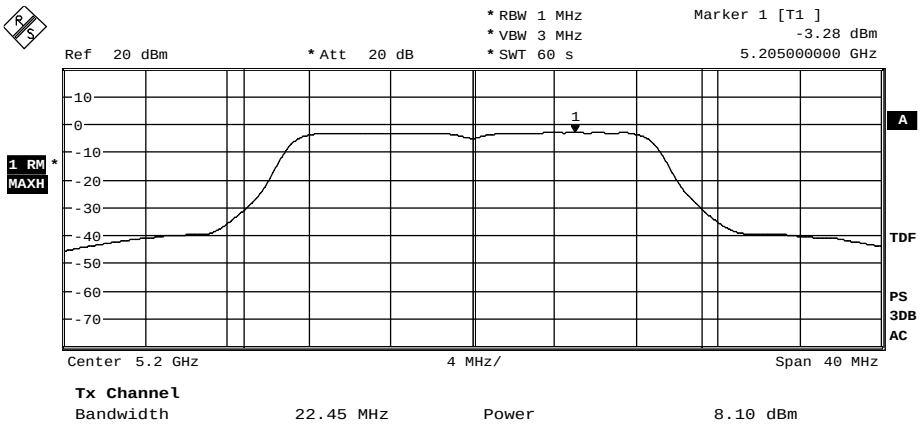
Date: 14.FEB.2013 15:09:49



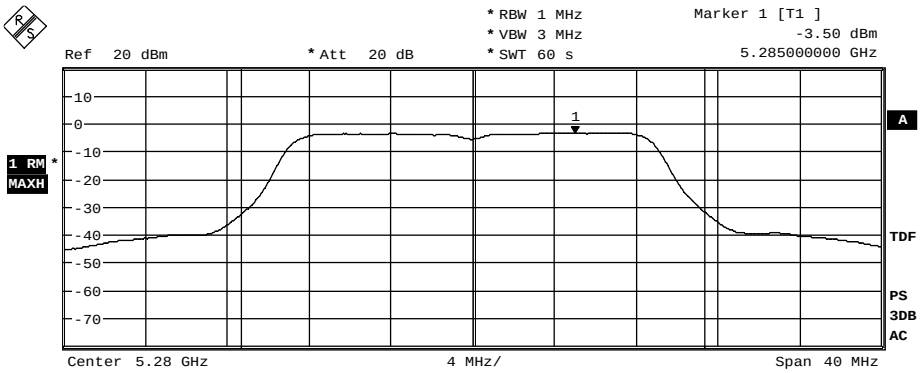
Date: 14.FEB.2013 15:21:22

6.8 n20-Mode (Channels 40, 56 & 112, data rates: 58.5, 65 & 58.5 Mbps)

Diagram no.'s 30.90-92:



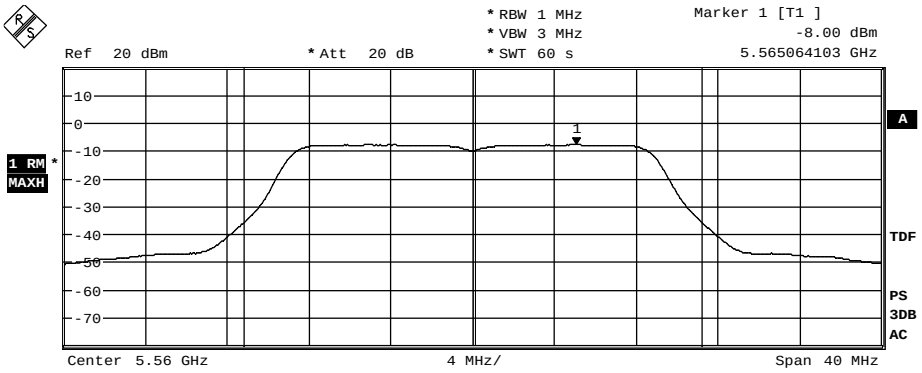
Date: 14.FEB.2013 15:00:12



Tx Channel

Bandwidth	22.64 MHz	Power	7.72 dBm

Date: 14.FEB.2013 15:11:57



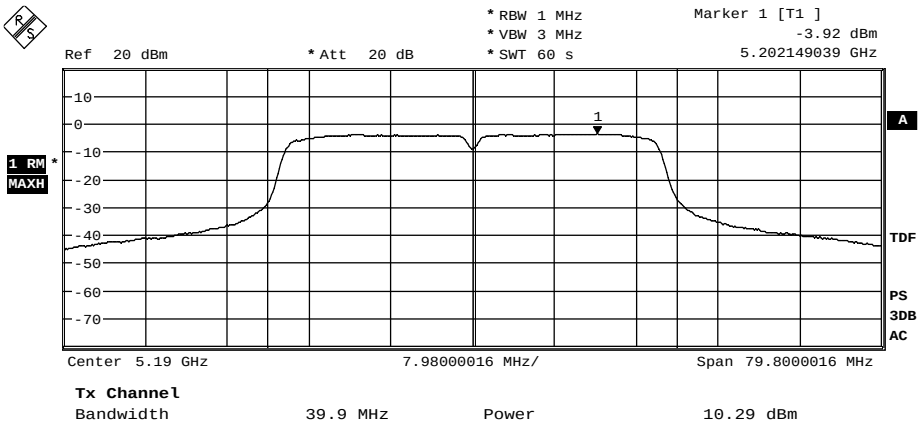
Tx Channel

Bandwidth	22.4 MHz	Power	3.41 dBm

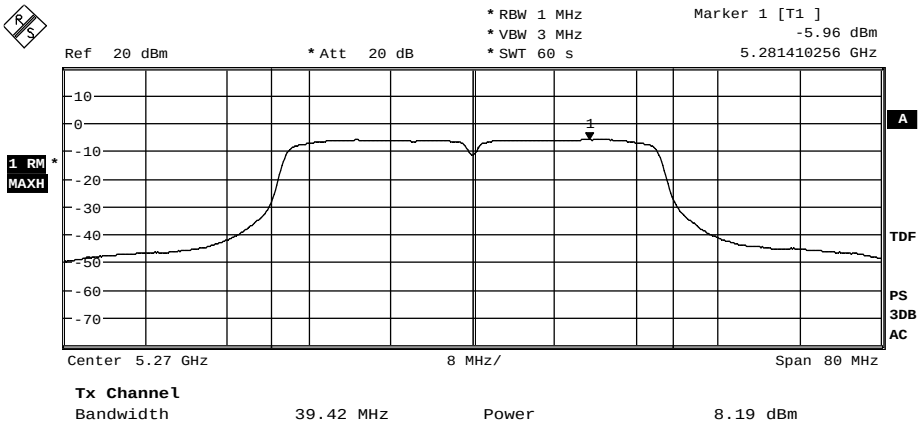
Date: 14.FEB.2013 15:23:43

6.**9 n40-Mode (Channels 38, 54 & 110**, data rates: **13**.5, **27** & **13**.5 Mbps)

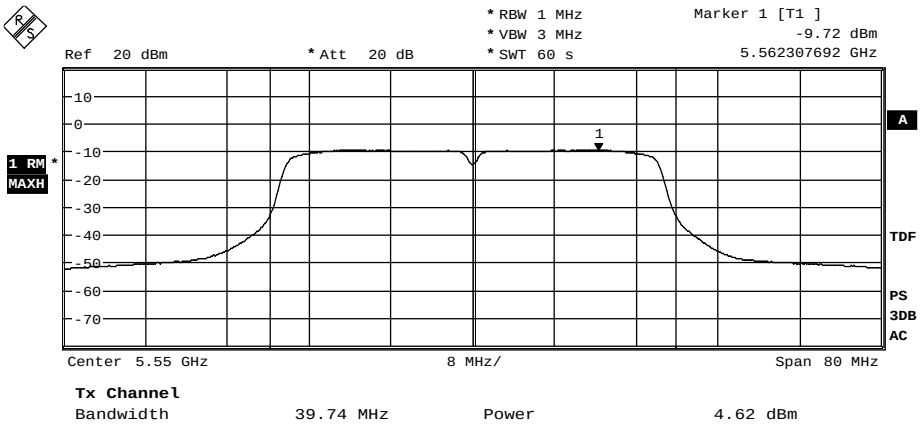
Diagram no.'s 30.93-95:



Date: 14.FEB.2013 15:48:43



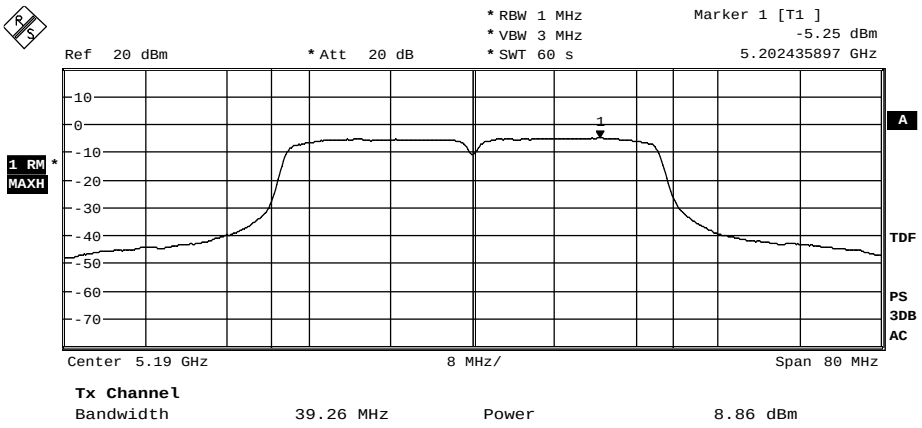
Date: 14.FEB.2013 16:06:31



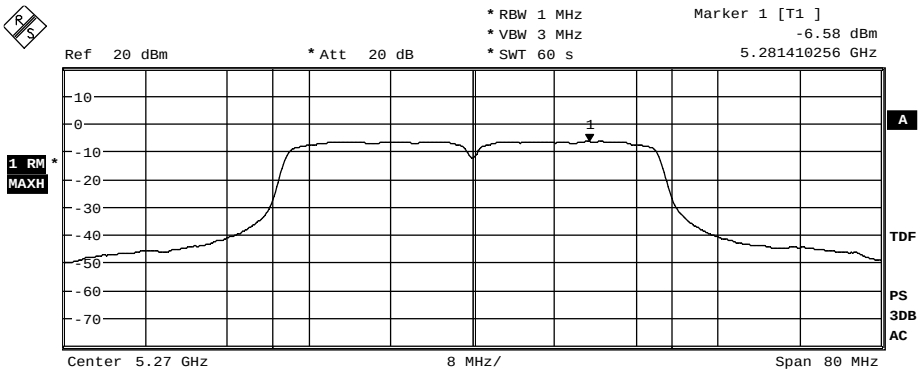
Date: 14.FEB.2013 16:18:16

6.10 n40-Mode (Channels 38, 54 & 110, data rates: 40.5, 54 & 40.5 Mbps)

Diagram no.'s 30.96-98:

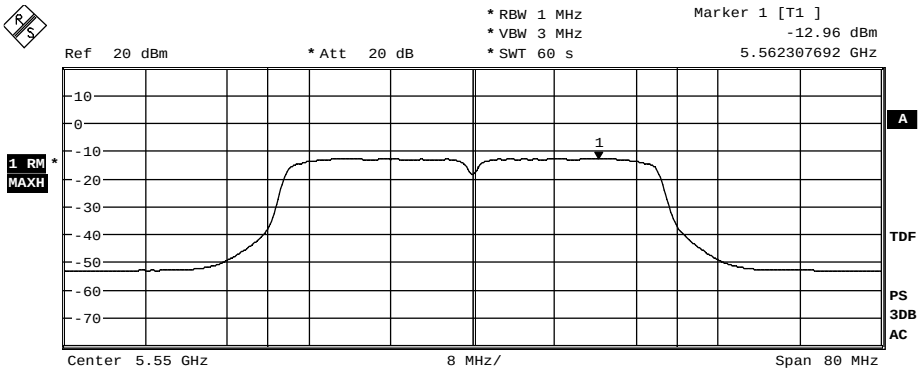


Date: 14.FEB.2013 15:55:29



Tx Channel
Bandwidth 39.18 MHz Power 7.58 dBm

Date: 14.FEB.2013 16:10:41

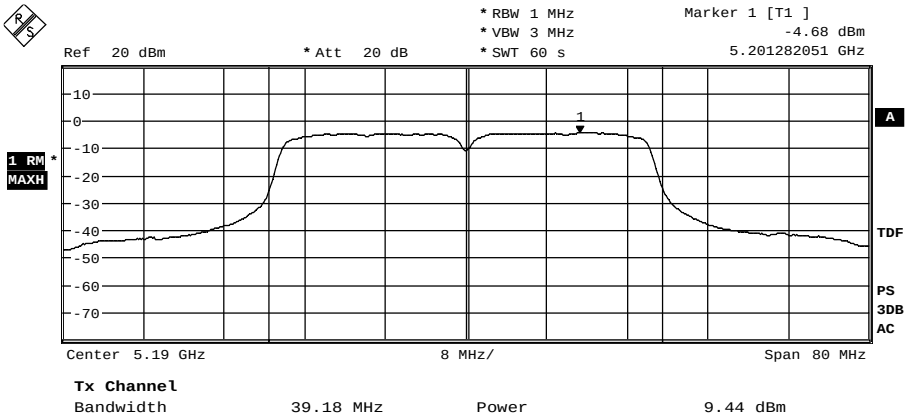


Tx Channel
Bandwidth 40.14 MHz Power 1.36 dBm

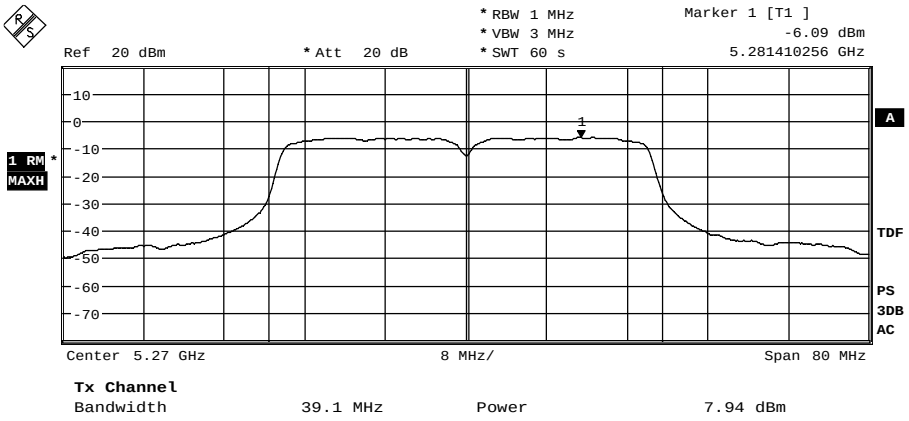
Date: 14.FEB.2013 16:20:19

6.11 n40-Mode (Channels 38, 54 & 110, data rates: 81, 108 & 81 Mbps)

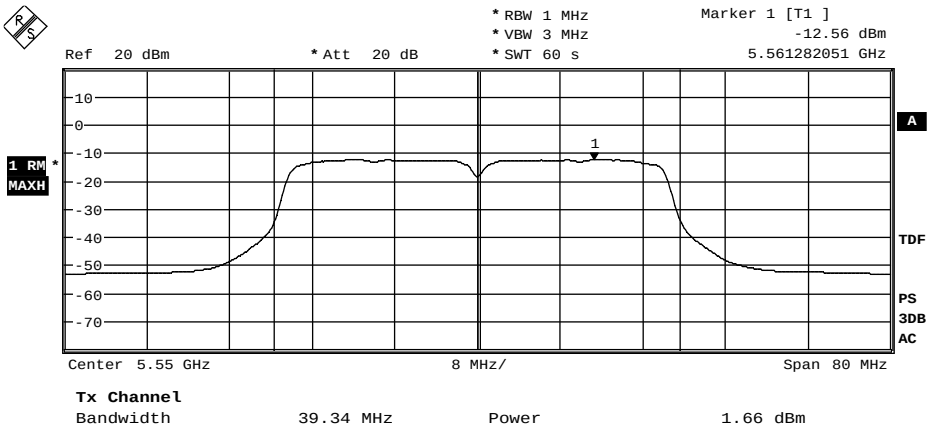
Diagram no.'s 30.99-101:



Date: 14.FEB.2013 15:58:10



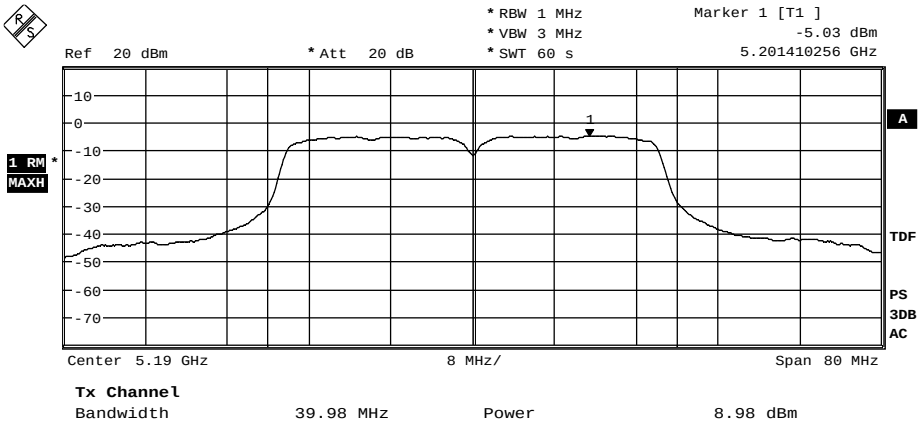
Date: 14.FEB.2013 16:12:57



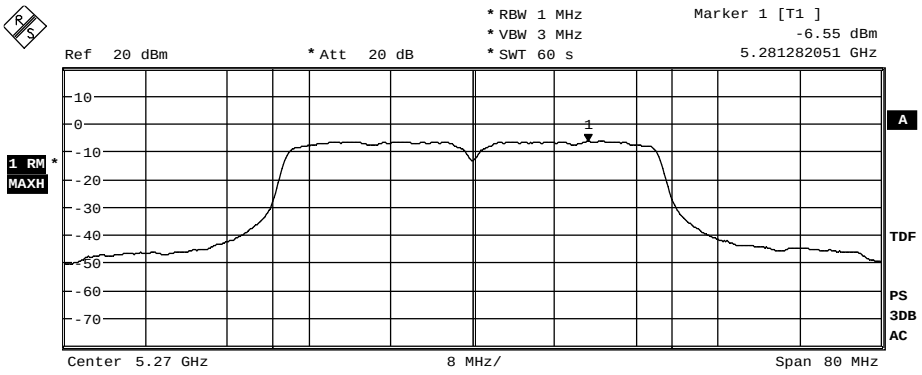
Date: 14.FEB.2013 16:22:36

6.12 n40-Mode (Channels 38, 54 & 110, data rates: 121.5, 135 & 121.5 Mbps)

Diagram no.'s 30.102-104:



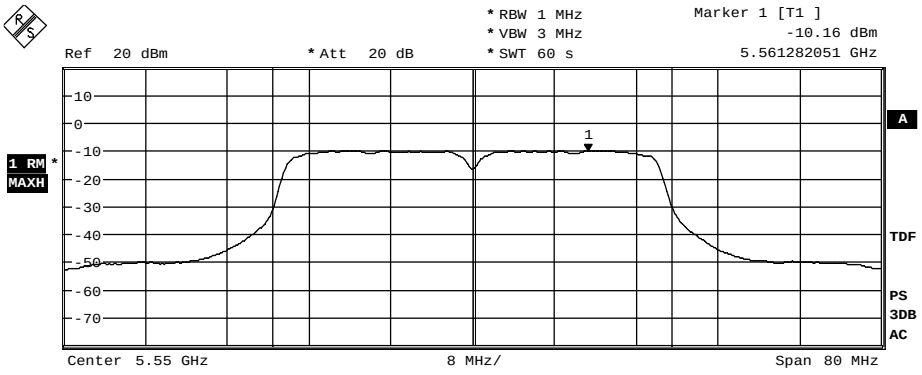
Date: 14.FEB.2013 16:00:09



Tx Channel

Bandwidth	39.18 MHz	Power	7.44 dBm

Date: 14.FEB.2013 16:14:59



Tx Channel

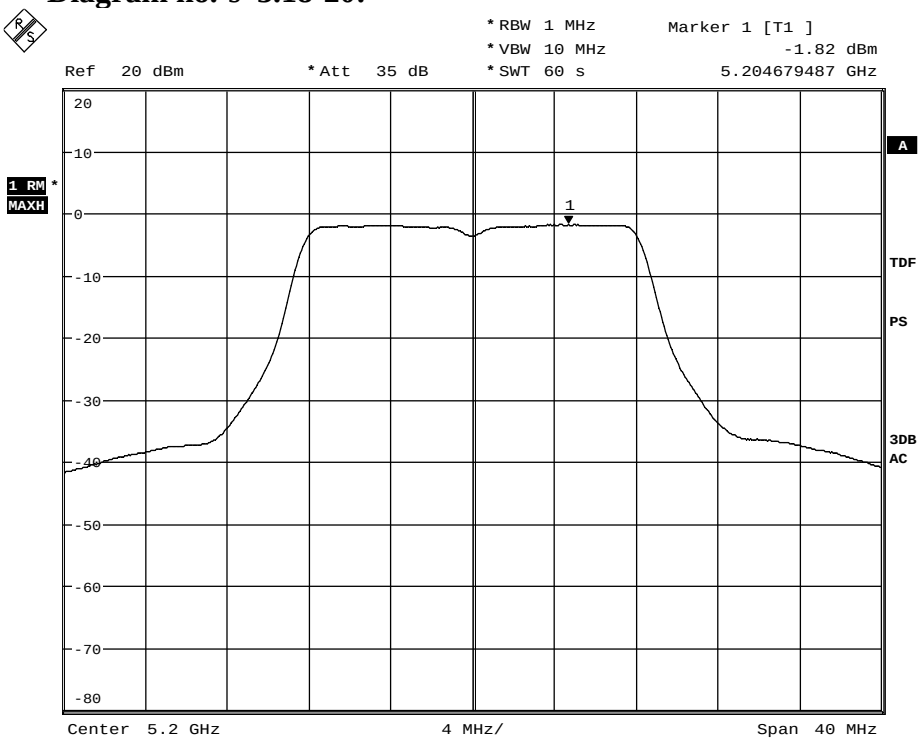
Bandwidth	39.1 MHz	Power	4.02 dBm

Date: 14.FEB.2013 16:24:26

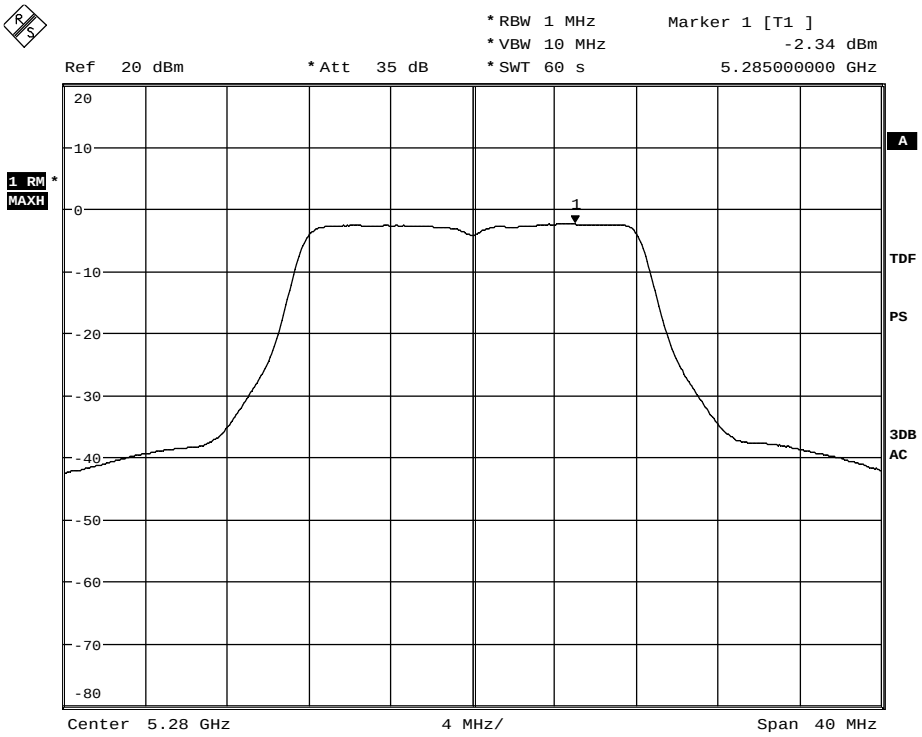
7. Peak Power spectral density (conducted)

7. 1 a-Mode (Channels 40, 56 & 112, max. data rates: 48, 9 &12 Mbps)

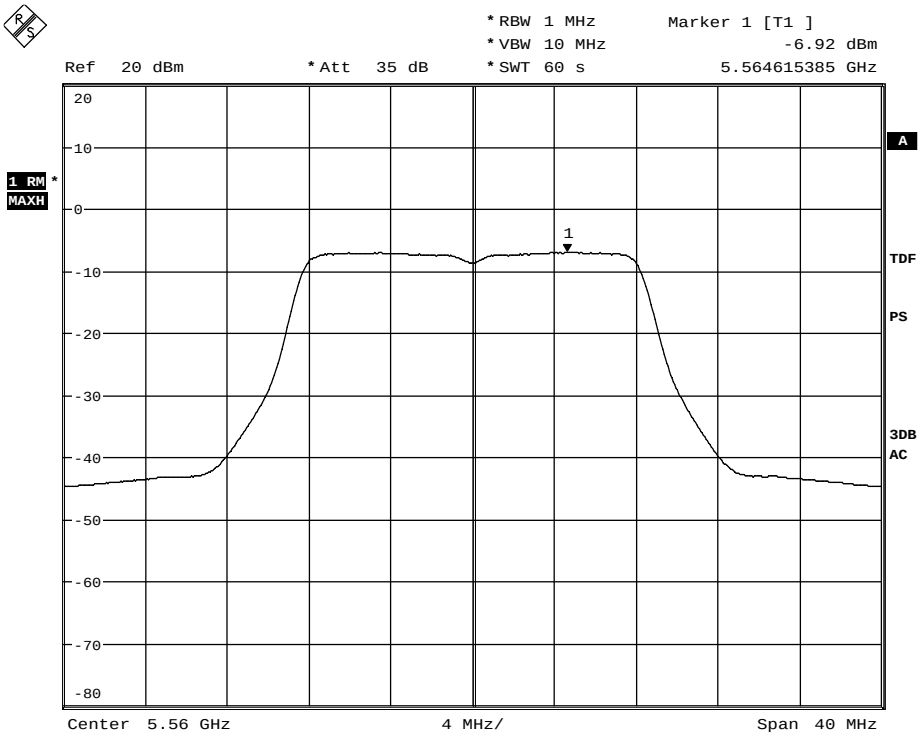
Diagram no.'s 3.18-20:



Date: 15.FEB.2013 11:34:19

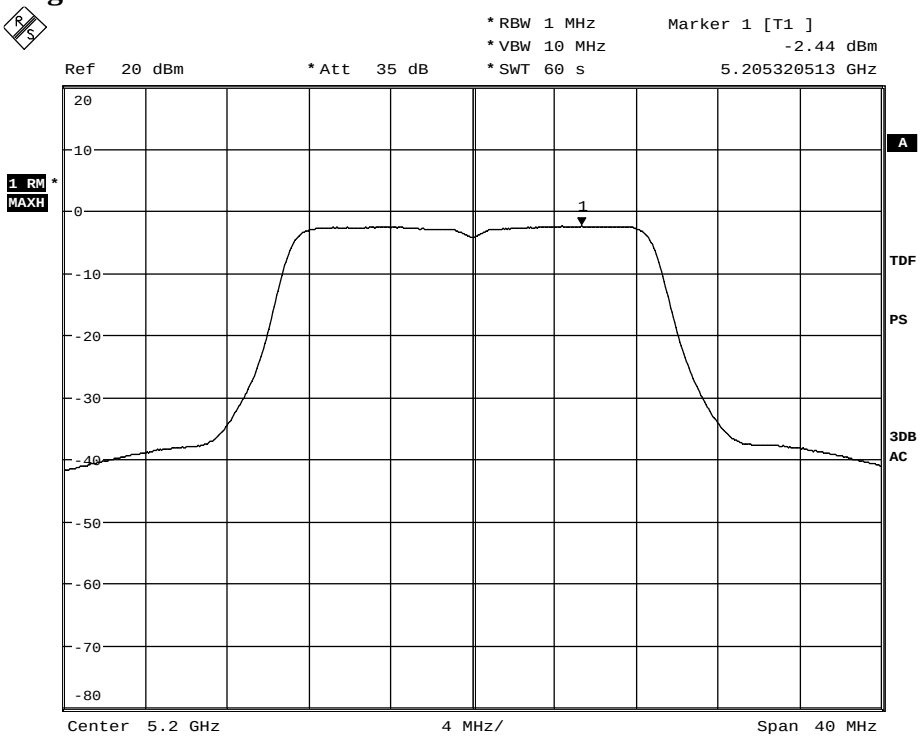


Date: 15.FEB.2013 11:37:55

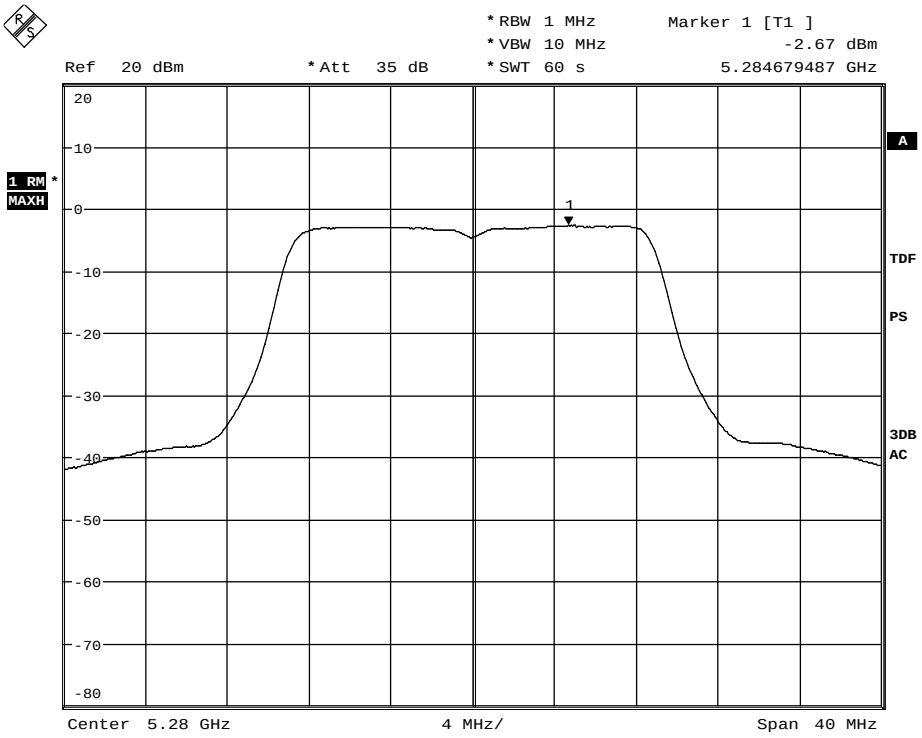


Date: 15.FEB.2013 11:40:46

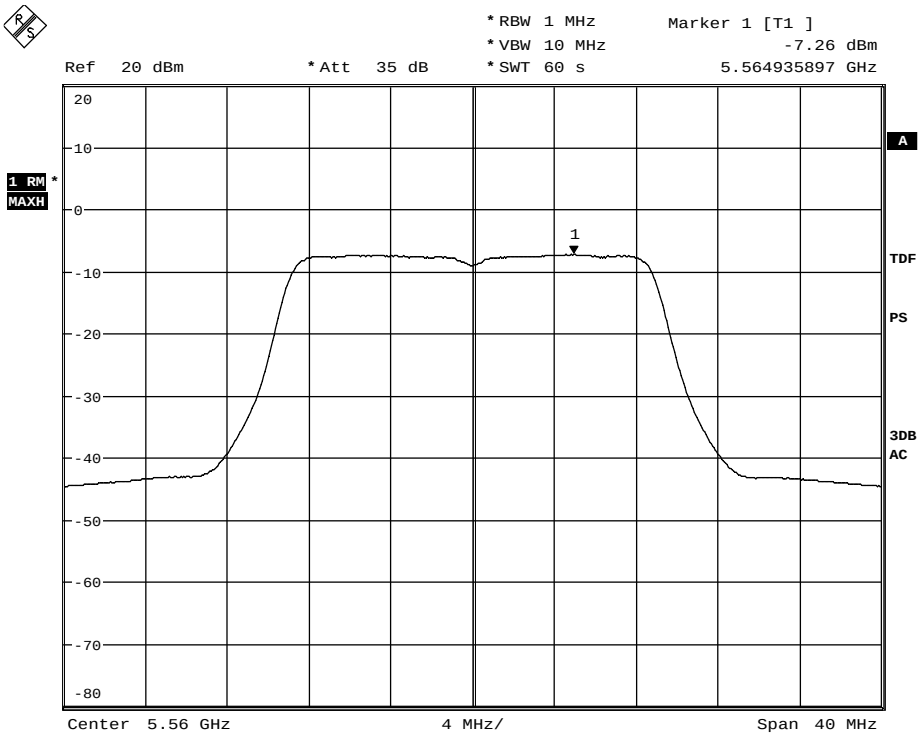
7. 2 n20-Mode (Channels 40, 56 & 112, data rates: 6.5, 13 & 6.5 Mbps) Diagram no.'s 3.21-23:



Date: 15.FEB.2013 11:43:39

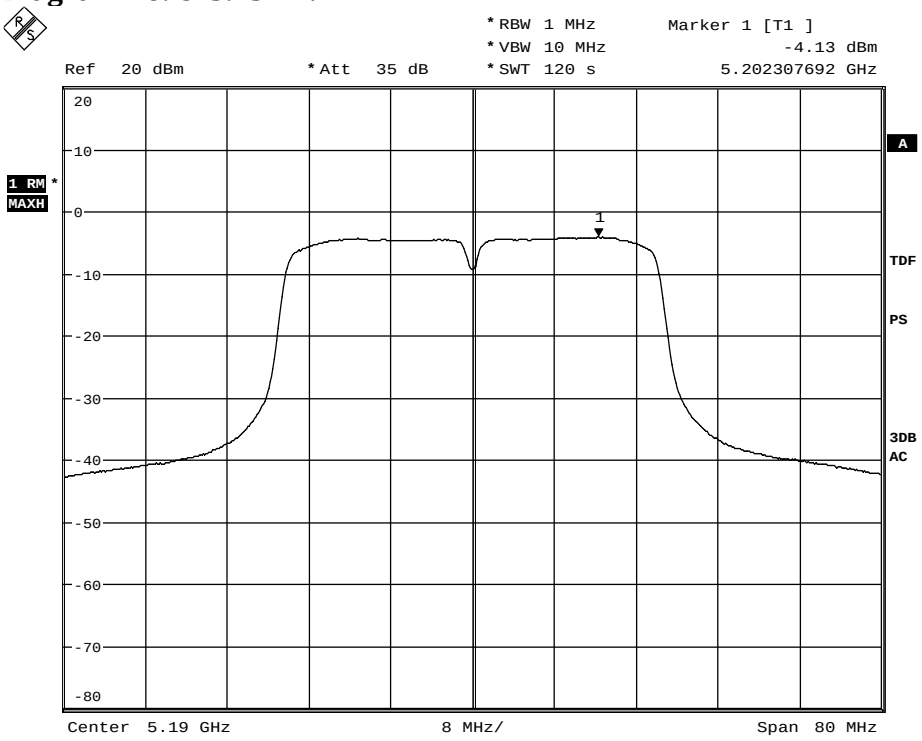


Date: 15.FEB.2013 11:47:30

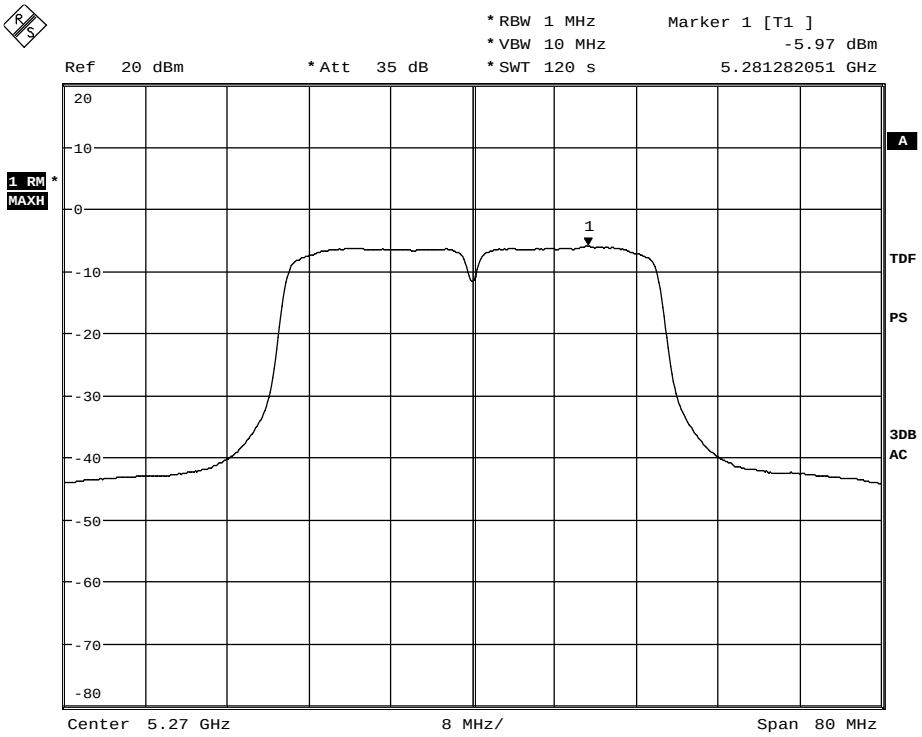


Date: 15.FEB.2013 11:49:41

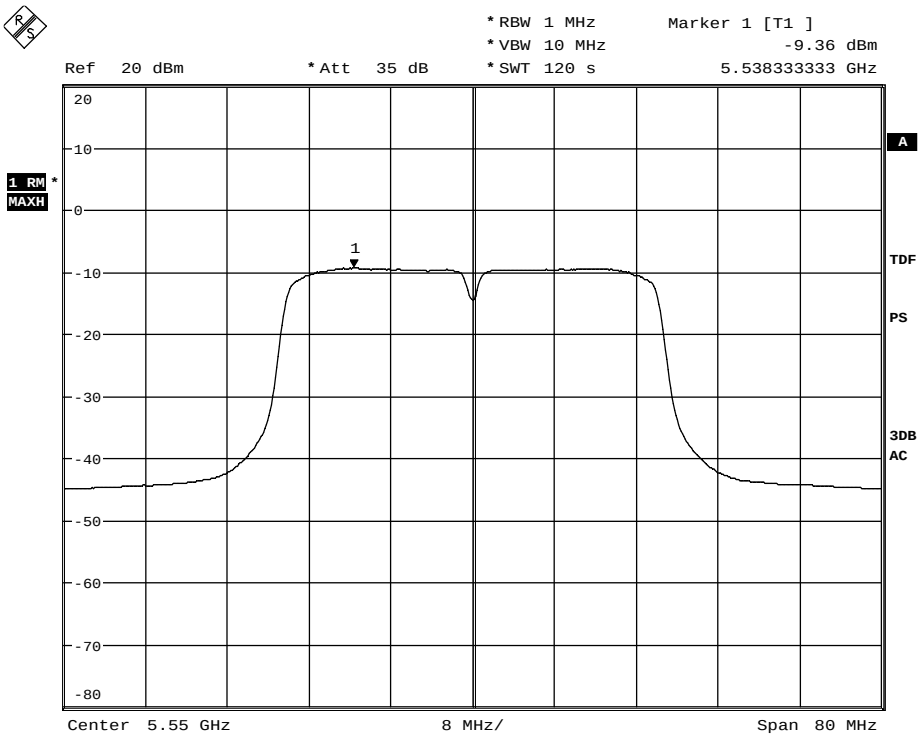
7. 3 n40-Mode (Channels 38, 54 & 110, data rates: 13.5, 27 & 13.5 Mbps)
Diagram no.'s 3.25-27:



Date: 15.FEB.2013 11:56:38



Date: 15.FEB.2013 11:59:39

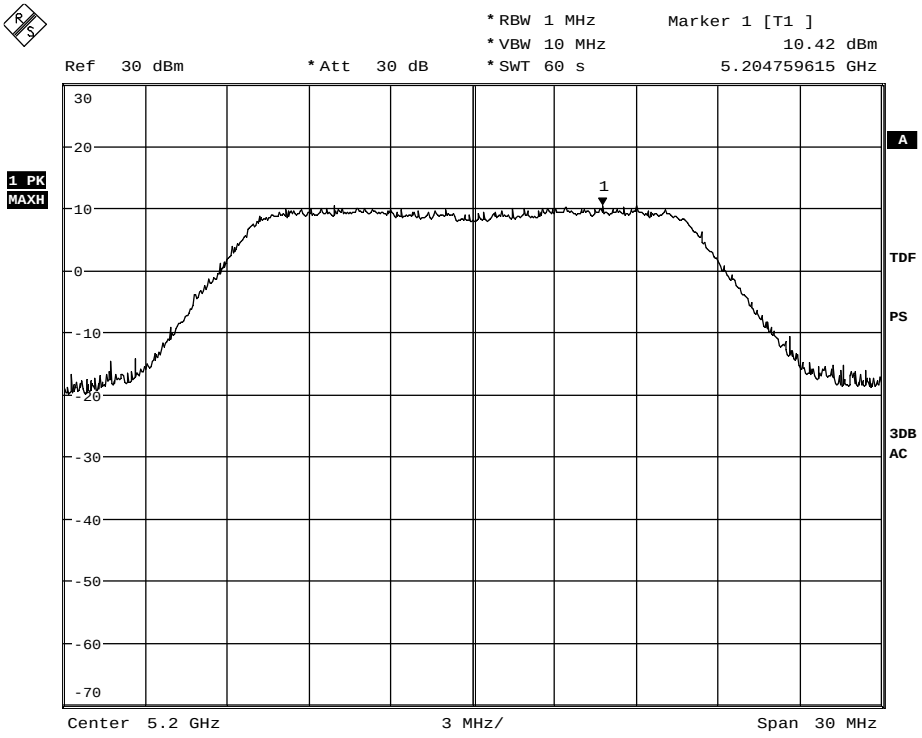


Date: 15.FEB.2013 12:02:38

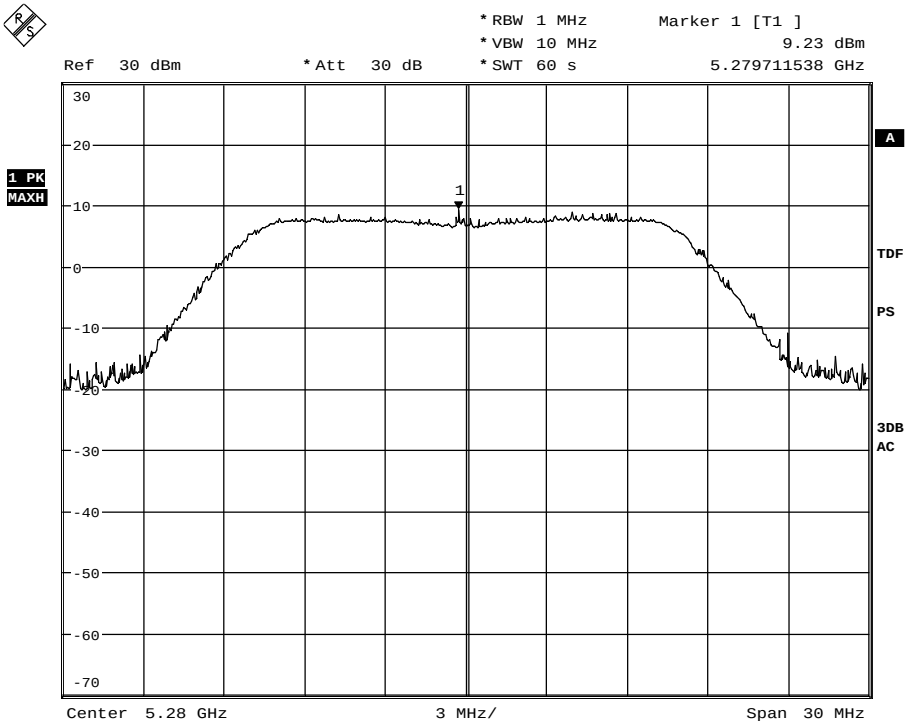
8. Peak excursion (conducted)

8. 1 a-Mode (Channels 40, 56 & 112, max. data rates: 48, 9 &12 Mbps)

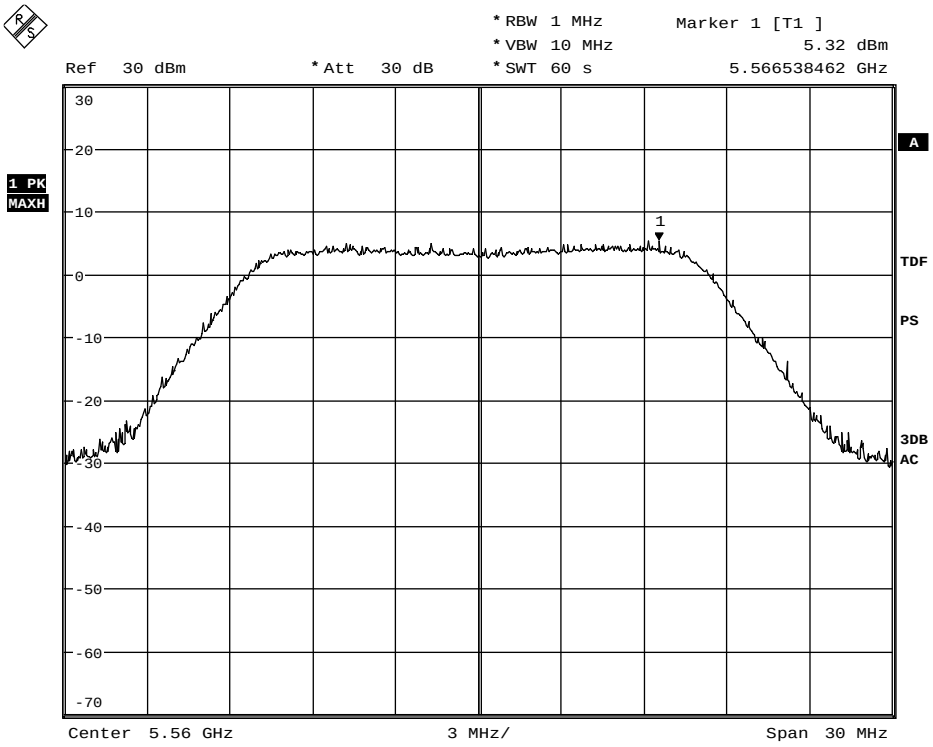
Diagram no.'s 41.01-03:



Date: 18.FEB.2013 14:44:00



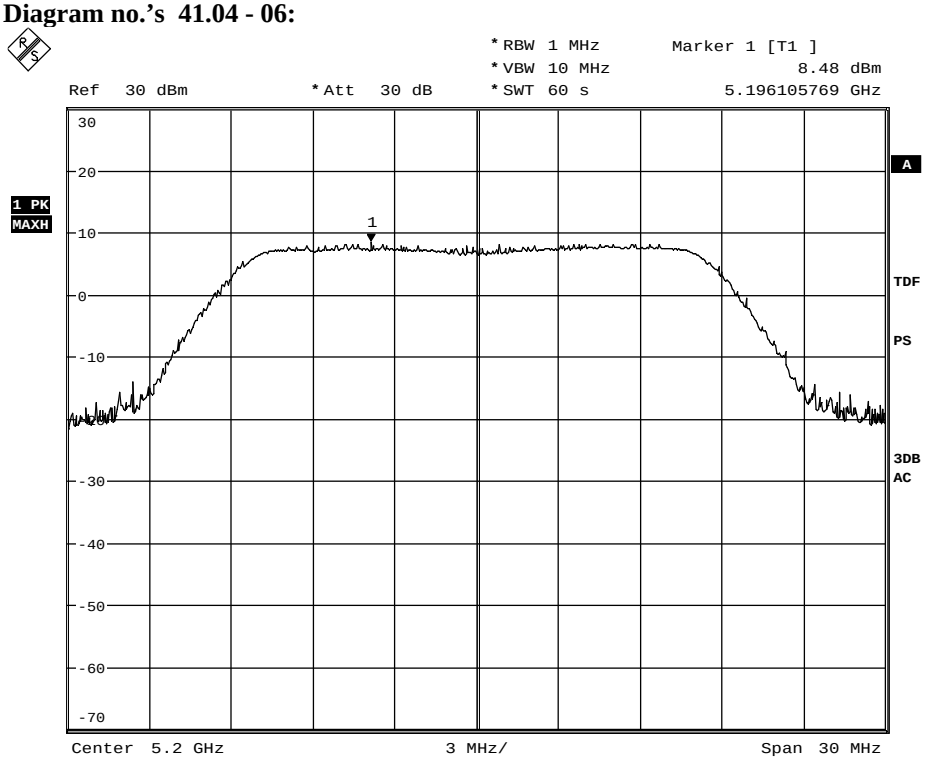
Date: 18.FEB.2013 14:05:19



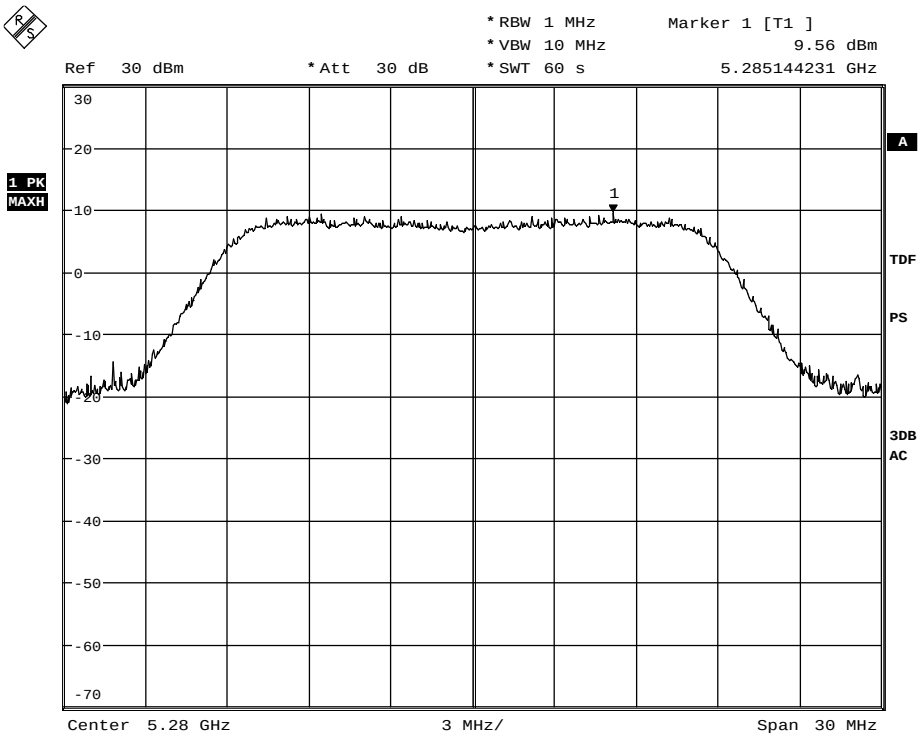
Date: 18.FEB.2013 15:22:27

8. 2 n20-Mode (Channels 40, 56 & 112, data rates: 6.5, 13 & 6.5 Mbps)

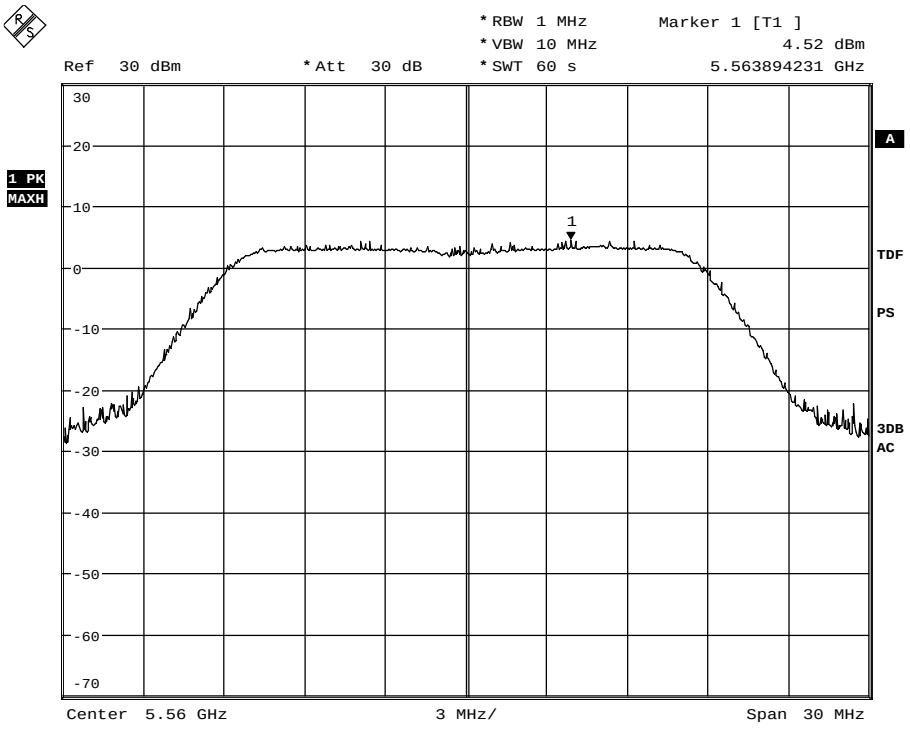
Diagram no.'s 41.04 - 06:



Date: 18.FEB.2013 15:32:01

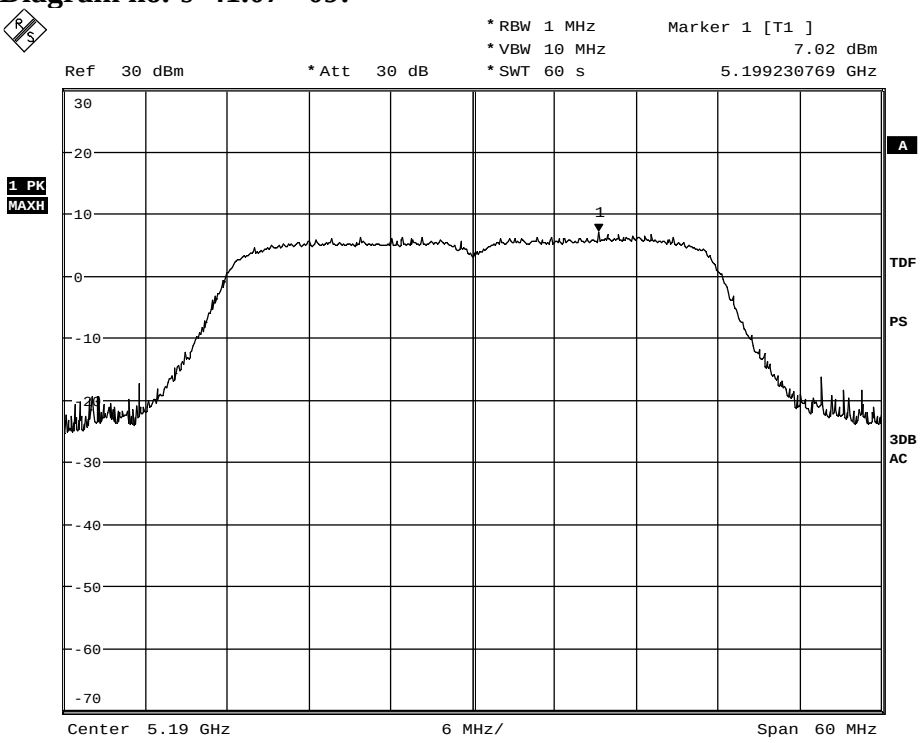


Date: 18.FEB.2013 15:29:00

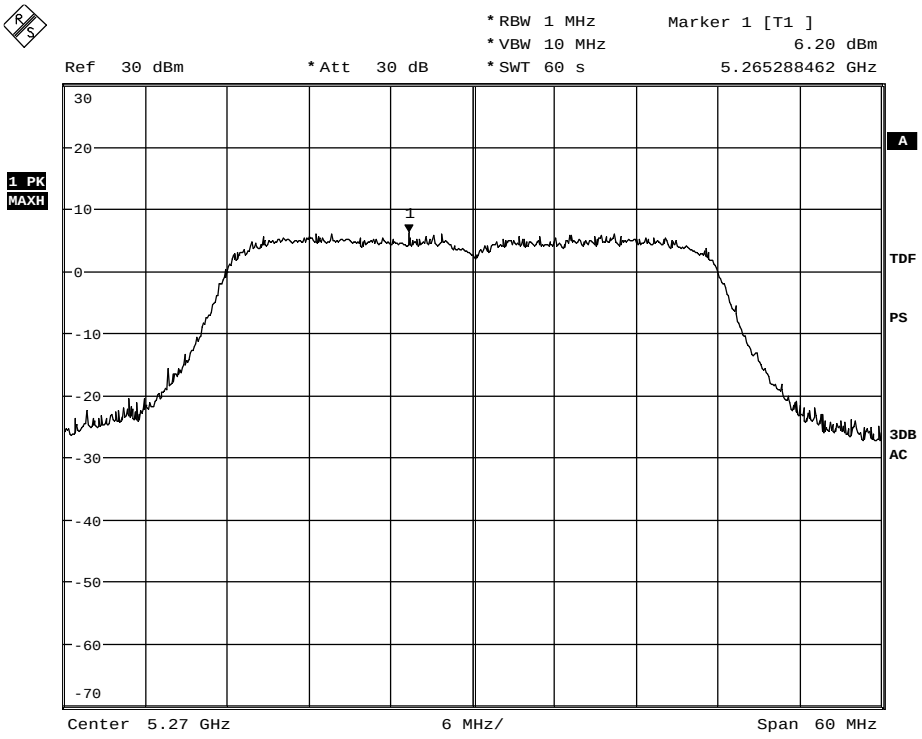


Date: 18.FEB.2013 15:26:10

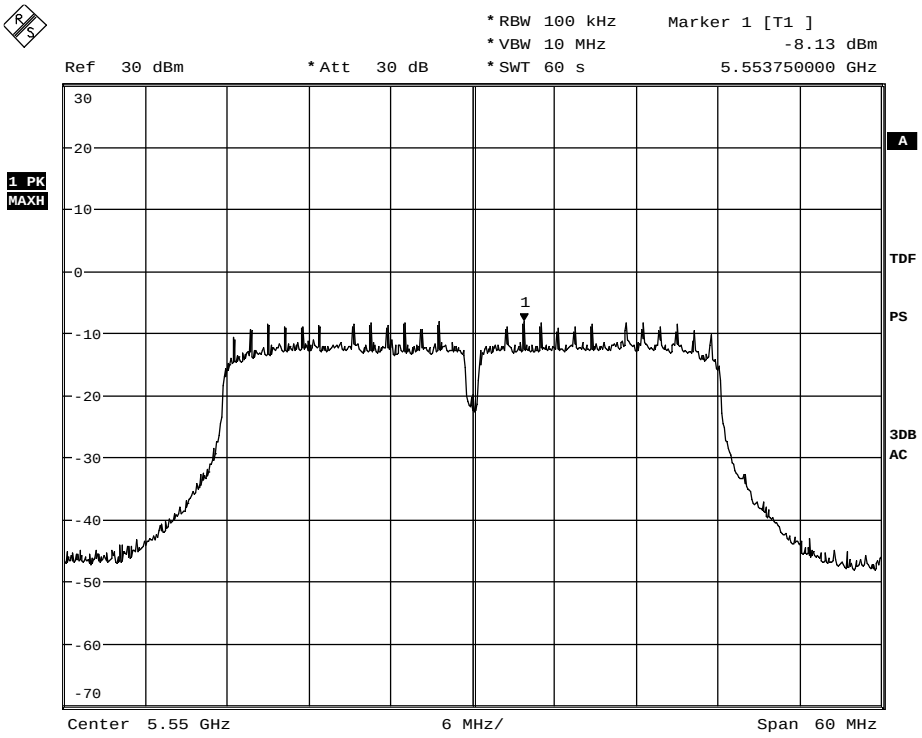
8. 3 n40-Mode (Channels 38, 54 & 110, data rates: 13.5, 27 & 13.5 Mbps)
Diagram no.'s 41.07 - 09:



Date: 18.FEB.2013 15:37:40



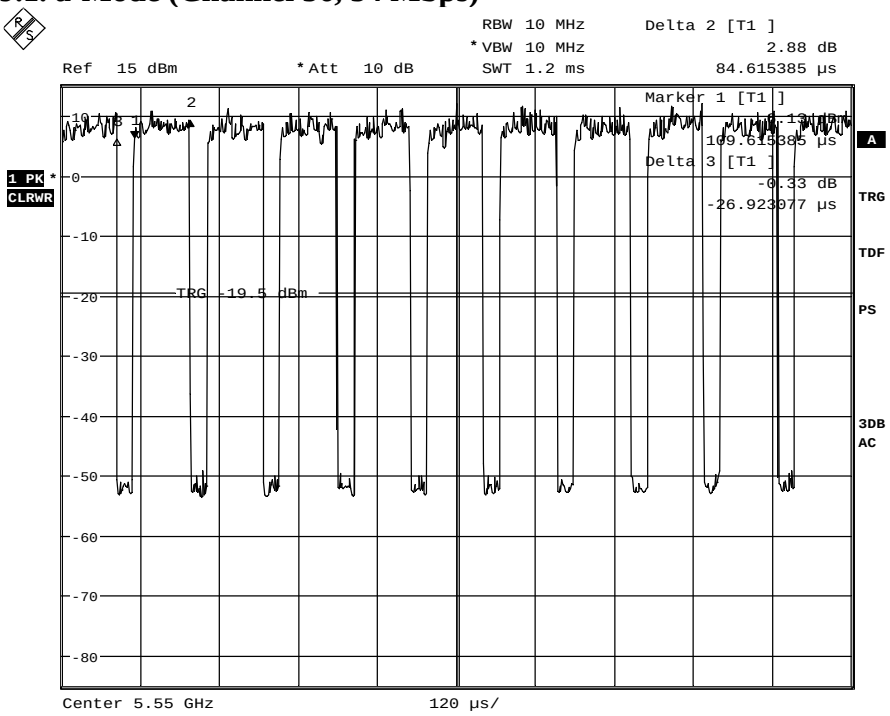
Date: 18.FEB.2013 15:43:04



Date: 18.FEB.2013 15:45:49

9. Duty-Cycle

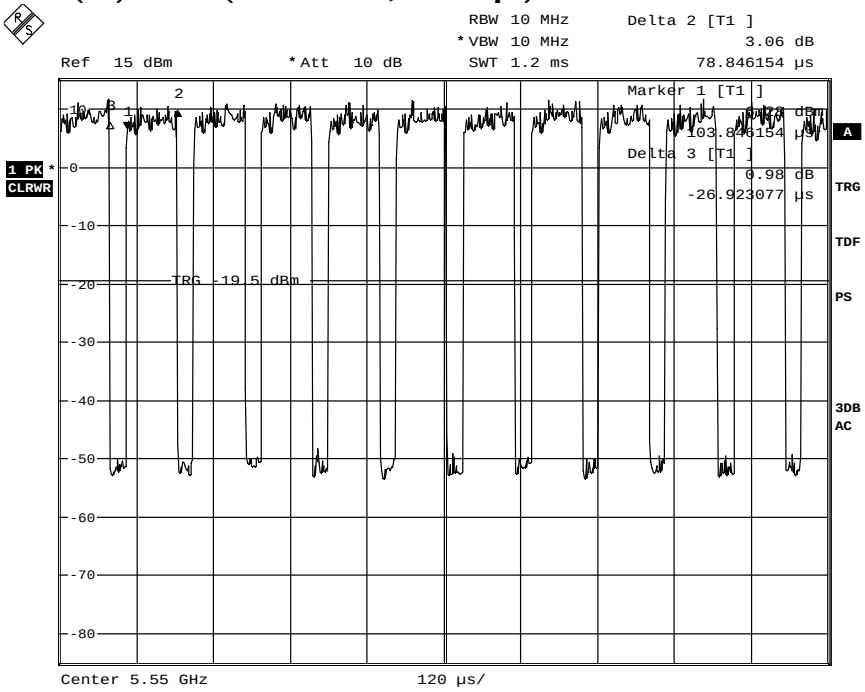
9.1. a-Mode (Channel 56, 54 Mbps)



Date: 12.FEB.2013 16:15:24

Duty-Cycle [%] =TX_{on}/(TX_{on}+Tx_{off})[%]= 0.084ms/0.111 * 100% = 75.67% < 98%

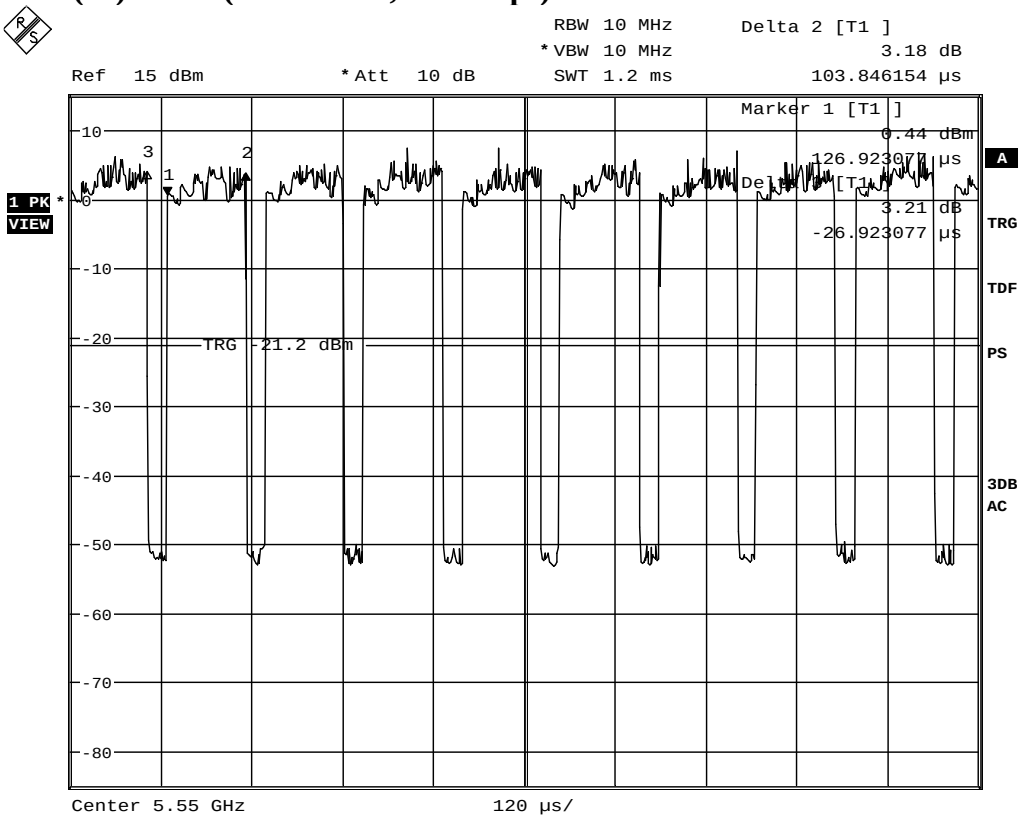
9.2. n(20)-Mode (Channel 56, 64 Mbps)



Date: 12.FEB.2013 16:11:01

Duty-Cycle [%] =TX_{on}/(TX_{on}+Tx_{off})[%]= 0.079ms/0.106 * 100% = 74.52% < 98%

9.3. n(40)-Mode (Channel 54, 135 Mbps)



Date: 12.FEB.2013 15:57:22

Duty-Cycle [%] =$TX_{on}/(TX_{on}+Tx_{off})$[%]= 0.103ms/0.130 * 100% = 79.23% < 98%