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Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORMx,y,z
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013

b) IEC 62209-1, "Measurement procedure for assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices- Part 1: Device used next to the ear (Frequency range of 300MHz to 6GHz)", July 2016

c) IEC 62209-2, "Procedure to measure the Specific Absorption Rate (SAR) For wireless communication devices used in close proximity to the human body (frequency range of 30MHz to 6GHz)", March 2010

d) KDB865664, SAR Measurement Requirements for 100 MHz to 6 GHz

Additional Documentation:

e) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- *Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL:* The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss:* These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay:* One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured:* SAR measured at the stated antenna input power.
- *SAR normalized:* SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters:* The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor k=2, which for a normal distribution Corresponds to a coverage probability of approximately 95%.

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Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy = 4 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	3900 MHz ± 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	**Permittivity**	**Conductivity**
Nominal Head TSL parameters	22.0 °C	37.5	3.32 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	37.1 ± 6 %	3.31 mho/m ± 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm^3 (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	6.80 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	**67.9 W/kg ± 24.4 % (*k*=2)**
SAR averaged over 10 cm^3 (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.38 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	**23.7 W/kg ± 24.2 % (*k*=2)**

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Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	49.9Ω - 6.11jΩ
Return Loss	- 24.3dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.013 ns

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.
No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

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DASY5 Validation Report for Head TSL Date: 10.25.2021

Test Laboratory: CTTL, Beijing, China

DUT: Dipole D3900V2; Type: D3900V2; Serial: D3900V2 - SN: 1055

Communication System: CW; Frequency: 3900 MHz

Medium parameters used: f = 3900 MHz; σ = 3.31 S/m; ε_r = 37.12; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(6.36, 6.36, 6.36) @ 3900 MHz; Calibrated: 2021-02-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1556; Calibrated: 2021-01-15
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Dipole Calibration /Pin=100mW, d=10mm, f=3900 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 69.07 V/m; Power Drift = -0.03 dB

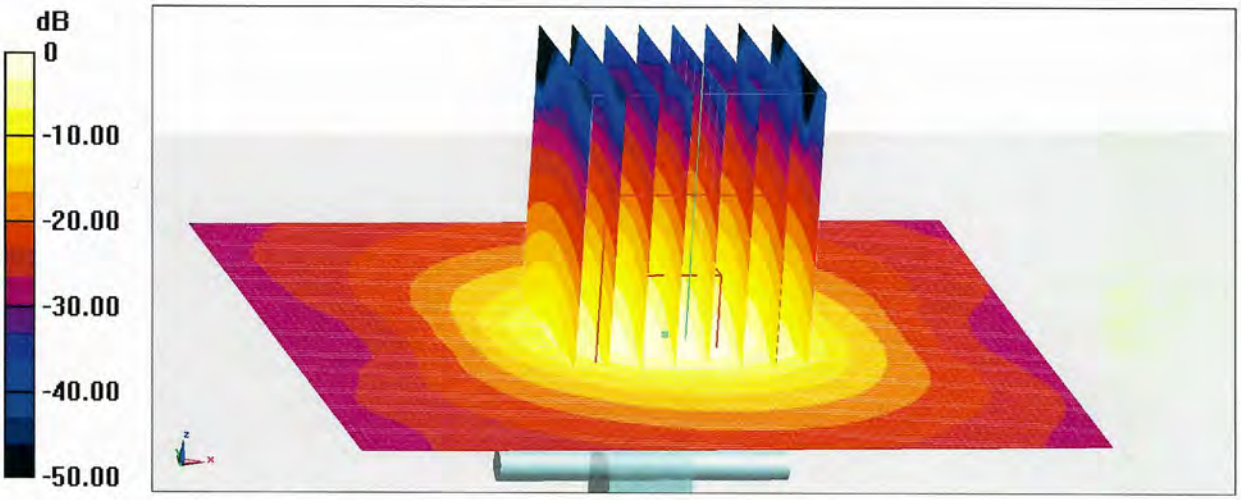
Peak SAR (extrapolated) = 20.0 W/kg

SAR(1 g) = 6.8 W/kg; SAR(10 g) = 2.38 W/kg

Smallest distance from peaks to all points 3 dB below = 8.4 mm

Ratio of SAR at M2 to SAR at M1 = 72.6%

Maximum value of SAR (measured) = 13.7 W/kg



0 dB = 13.7 W/kg = 11.37 dBW/kg

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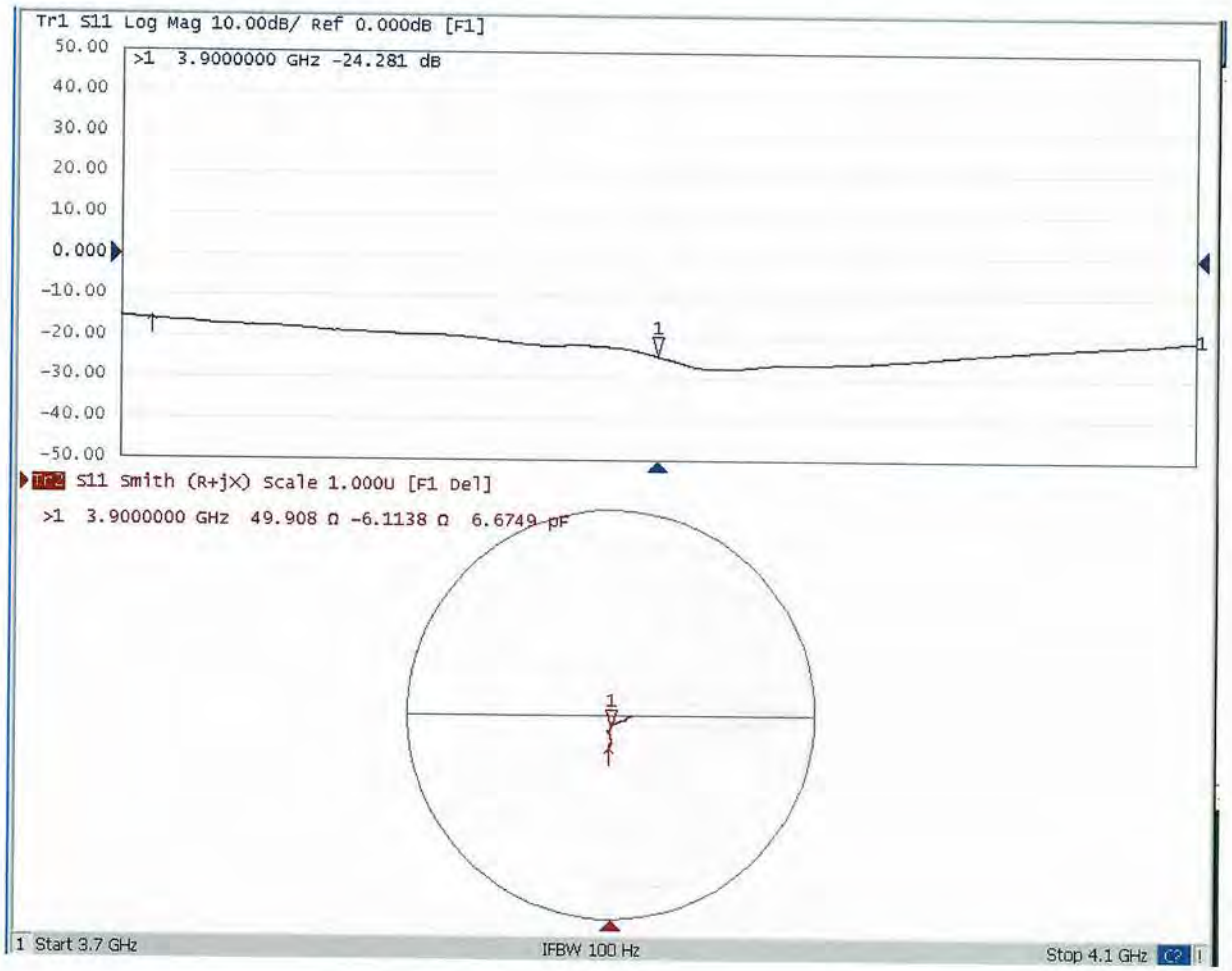
Impedance Measurement Plot for Head TSL



D3900V2 - SN: 1055 Extended Dipole Calibrations

Referring to KDB 865664 D01, if dipoles are verified in return loss (<-20dB, within 20% of prior calibration), and in impedance (within 5 ohm of prior calibration), the annual calibration is not necessary and the calibration interval can be extended.

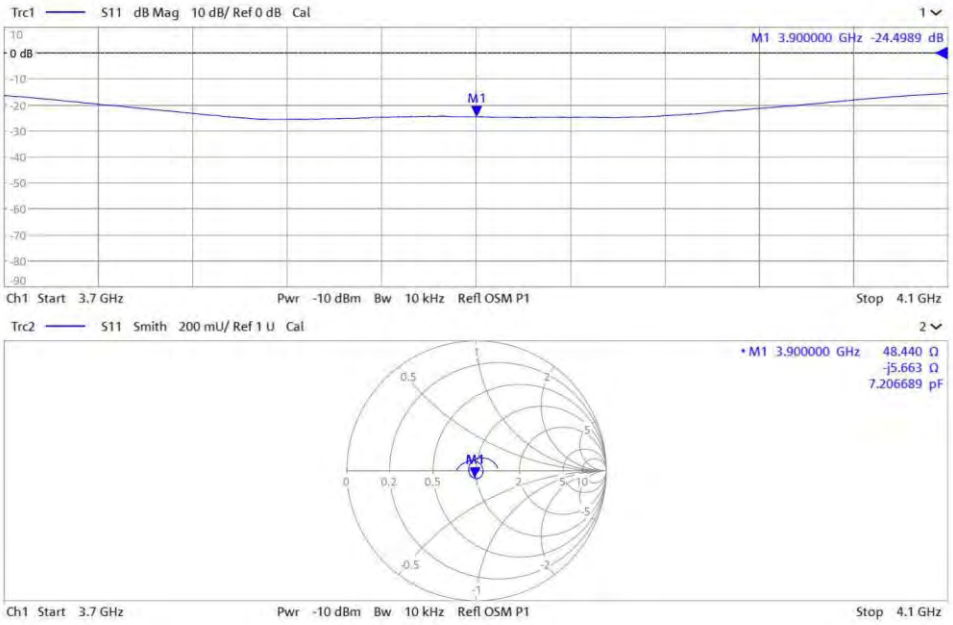
D3900V2 - SN: 1055						
3900MHz Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
10.25.2021	-24.3		49.9		-6.11	
10.24.2022	-24.5	0.82	48.4	-1.46	-5.7	0.45

<Justification of the extended calibration>

The return loss is < -20dB, within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the verification result should support extended calibration.

<Dipole Verification Data>

Head 3900MHz _2022.10.24



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CNAS L0570

Client 7layers Certificate No: Z21-60431

CALIBRATION CERTIFICATE

Object	D5GHzV2 - SN: 1315
Calibration Procedure(s)	FF-Z11-003-01 Calibration Procedures for dipole validation kits
Calibration date:	October 22, 2021

This calibration Certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22±3)°C and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106277	24-Sep-21 (CTTL, No.J21X08326)	Sep-22
Power sensor NRP8S	104291	24-Sep-21 (CTTL, No.J21X08326)	Sep-22
ReferenceProbe EX3DV4	SN 7517	03-Feb-21(CTTL-SPEAG,No.Z21-60001)	Feb-22
DAE4	SN 1556	15-Jan-21(SPEAG,No.DAE4-1556_Jan21)	Jan-22
Secondary Standards	**ID #**	**Cal Date (Calibrated by, Certificate No.)**	**Scheduled Calibration**
Signal Generator E4438C	MY49071430	01-Feb-21 (CTTL, No.J21X00593)	Jan-22
NetworkAnalyzerE5071C	MY46110673	14-Jan-21 (CTTL, No.J21X00232)	Jan-22

	Name	Function	Signature
Calibrated by:	Zhao Jing	SAR Test Engineer	
Reviewed by:	Lin Hao	SAR Test Engineer	
Approved by:	Qi Dianyuan	SAR Project Leader	

Issued: October 27, 2021

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

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Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORMx,y,z
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013

b) IEC 62209-1, "Measurement procedure for assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices- Part 1: Device used next to the ear (Frequency range of 300MHz to 6GHz)", July 2016

c) IEC 62209-2, "Procedure to measure the Specific Absorption Rate (SAR) For wireless communication devices used in close proximity to the human body (frequency range of 30MHz to 6GHz)", March 2010

d) KDB865664, SAR Measurement Requirements for 100 MHz to 6 GHz

Additional Documentation:

e) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- *Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL:* The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss:* These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay:* One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured:* SAR measured at the stated antenna input power.
- *SAR normalized:* SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters:* The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor k=2, which for a normal distribution Corresponds to a coverage probability of approximately 95%.

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Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy = 4 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	5250 MHz ± 1 MHz 5600 MHz ± 1 MHz 5750 MHz ± 1 MHz	

Head TSL parameters at 5250 MHz

The following parameters and calculations were applied.

	Temperature	**Permittivity**	**Conductivity**
Nominal Head TSL parameters	22.0 °C	35.9	4.71 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	36.6 ± 6 %	4.70 mho/m ± 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL at 5250 MHz

SAR averaged over 1 cm^3 (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	7.66 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	**76.9 W/kg ± 24.4 % (*k*=2)**
SAR averaged over 10 cm^3 (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.20 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	**22.1 W/kg ± 24.2 % (*k*=2)**

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Head TSL parameters at 5600 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.5	5.07 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	36.0 ± 6 %	5.08 mho/m ± 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL at 5600 MHz

SAR averaged over 1 cm^3 (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.17 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	**81.9 W/kg ± 24.4 % (*k*=2)**
SAR averaged over 10 cm^3 (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.34 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	**23.5 W/kg ± 24.2 % (*k*=2)**

Head TSL parameters at 5750 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.4	5.22 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	35.8 ± 6 %	5.25 mho/m ± 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL at 5750 MHz

SAR averaged over 1 cm^3 (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	7.59 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	**76.1 W/kg ± 24.4 % (*k*=2)**
SAR averaged over 10 cm^3 (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.16 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	**21.7 W/kg ± 24.2 % (*k*=2)**

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Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL at 5250 MHz

Impedance, transformed to feed point	50.5Ω - 3.27jΩ
Return Loss	- 29.7dB

Antenna Parameters with Head TSL at 5600 MHz

Impedance, transformed to feed point	54.2Ω + 0.81jΩ
Return Loss	- 27.8dB

Antenna Parameters with Head TSL at 5750 MHz

Impedance, transformed to feed point	49.4Ω + 1.99jΩ
Return Loss	- 33.6dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.098 ns

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.
No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPEAG

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DASY5 Validation Report for Head TSL Date: 10.22.2021

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN: 1315

Communication System: CW; Frequency: 5250 MHz, Frequency: 5600 MHz, Frequency: 5750 MHz,

Medium parameters used: f = 5250 MHz; σ = 4.704 S/m; ε_r = 36.62; ρ = 1000 kg/m^3, Medium parameters used: f = 5600 MHz; σ = 5.084 S/m; ε_r = 36; ρ = 1000 kg/m^3, Medium parameters used: f = 5750 MHz; σ = 5.248 S/m; ε_r = 35.78; ρ = 1000 kg/m^3,

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(5.42, 5.42, 5.42) @ 5250 MHz; ConvF(4.75, 4.75, 4.75) @ 5600 MHz; ConvF(4.82, 4.82, 4.82) @ 5750 MHz; Calibrated: 2021-02-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1556; Calibrated: 2021-01-15
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Dipole Calibration /Pin=100mW, d=10mm, f=5250 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 70.32 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 31.0 W/kg
SAR(1 g) = 7.66 W/kg; SAR(10 g) = 2.2 W/kg
Smallest distance from peaks to all points 3 dB below = 7.4 mm
Ratio of SAR at M2 to SAR at M1 = 65%
Maximum value of SAR (measured) = 18.2 W/kg

Dipole Calibration /Pin=100mW, d=10mm, f=5600 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 71.09 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 34.9 W/kg
SAR(1 g) = 8.17 W/kg; SAR(10 g) = 2.34 W/kg
Smallest distance from peaks to all points 3 dB below = 7.4 mm
Ratio of SAR at M2 to SAR at M1 = 63.3%
Maximum value of SAR (measured) = 19.9 W/kg

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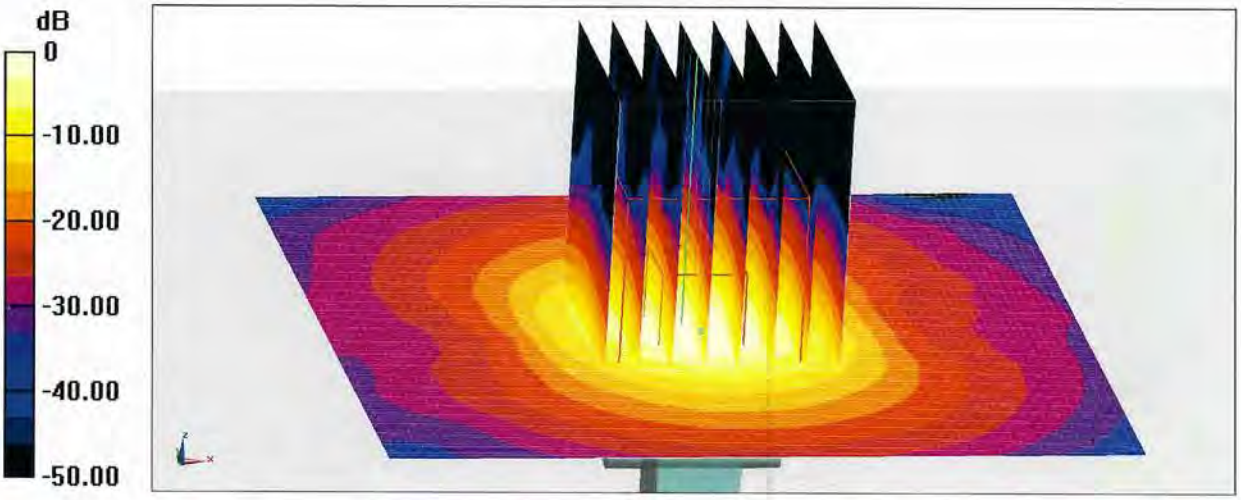
Dipole Calibration /Pin=100mW, d=10mm, f=5750 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 67.72 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 33.5 W/kg
SAR(1 g) = 7.59 W/kg; SAR(10 g) = 2.16 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 62.4%
Maximum value of SAR (measured) = 18.6 W/kg



0 dB = 18.6 W/kg = 12.70 dBW/kg

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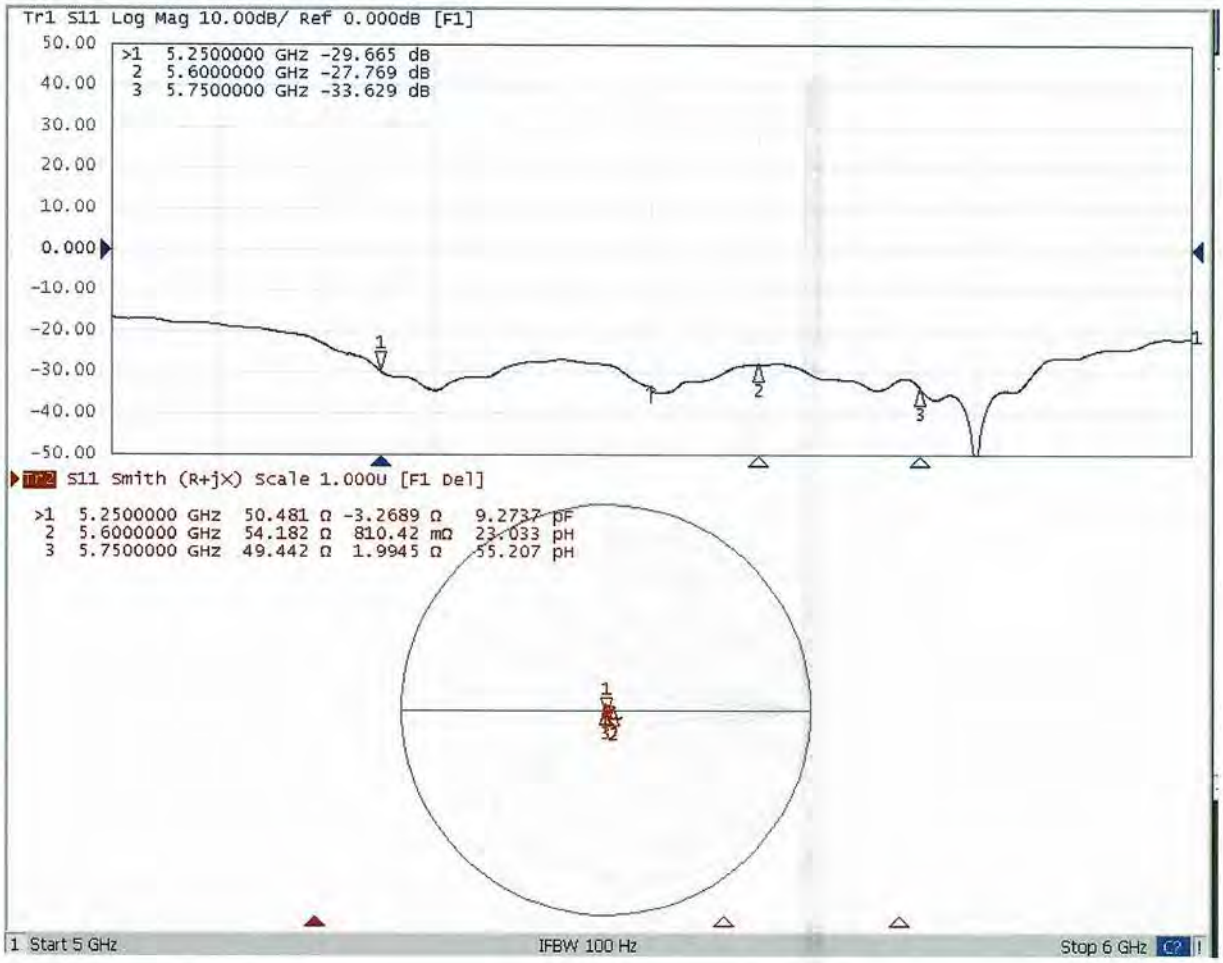
Impedance Measurement Plot for Head TSL



D5GHzV2 - SN: 1315 Extended Dipole Calibrations

Referring to KDB 865664 D01, if dipoles are verified in return loss (<-20dB, within 20% of prior calibration), and in impedance (within 5 ohm of prior calibration), the annual calibration is not necessary and the calibration interval can be extended.

D5GHzV2 - SN: 1315						
5250MHz Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
10.22.2021	-29.7		50.5		-3.27	
10.21.2022	-34.5	16.26	51.2	0.66	1.6	4.83

D5GHzV2 - SN: 1315						
5600MHz Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
10.22.2021	-27.8		54.2		0.81	
10.21.2022	-31.0	11.63	49.6	-4.61	-2.8	-3.60

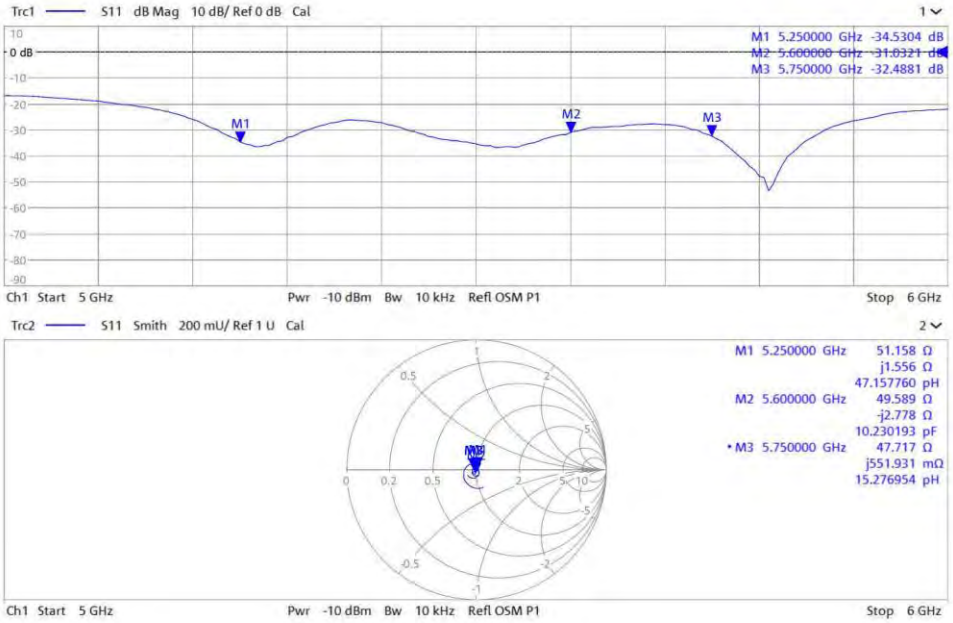
D5GHzV2 - SN: 1315						
5750MHz Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
10.22.2021	-33.6		49.4		1.99	
10.21.2022	-32.5	-3.31	47.7	-1.68	0.6	-1.44

<Justification of the extended calibration>

The return loss is < -20dB, within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the verification result should support extended calibration.

<Dipole Verification Data>

Head 5250-5750MHz _2022.10.21



Appendix D. Conducted Power Result

GSM&WCDMA Full Power

Band	GSM850 Ant0				GSM1900 Ant0			
Channel	128	189	251	Max. Tune-up Power	512	661	810	Max. Tune-up Power
Frequency	824.2	836.4	848.8		1850.2	1880	1909.8	
GSM	32.63	32.75	32.68	34.00	29.91	29.96	29.83	31.00
GPRS 1Tx Slot	32.61	32.72	32.66	34.00	29.86	29.95	29.80	31.00
GPRS 2Tx Slot	31.80	31.89	31.84	33.00	29.12	29.21	29.09	30.50
GPRS 3Tx Slot	29.97	30.07	30.03	31.00	26.95	27.11	27.03	28.00
GPRS 4Tx Slot	28.67	28.85	28.77	29.50	25.86	26.06	26.02	27.00
EDGE 1Tx Slot	27.01	27.13	27.09	28.50	25.47	25.66	25.66	26.50
EDGE 2Tx Slot	25.68	25.39	25.59	26.50	24.36	24.15	24.35	25.50
EDGE 3Tx Slot	23.34	22.95	22.93	24.00	22.08	22.12	22.01	23.00
EDGE 4Tx Slot	21.88	21.59	21.57	22.50	20.74	20.87	20.94	22.00
		0.4				0.6		

Source-Based Time-Averaged Power								
Band	GSM850			Max. Tune-up Power	GSM1900			Max. Tune-up Power
Channel	128	189	251		512	661	810	
GSM	23.63	23.75	23.68	25.00	20.91	20.96	20.83	22.00
GPRS 1Tx Slot	23.61	23.72	23.66	25.00	20.86	20.95	20.80	22.00
GPRS 2Tx Slot	25.80	25.89	25.84	27.00	23.12	23.21	23.09	24.50
GPRS 3Tx Slot	25.71	25.81	25.77	26.74	22.69	22.85	22.77	23.74
GPRS 4Tx Slot	25.67	25.85	25.77	26.50	22.86	23.06	23.02	24.00
EDGE 1Tx Slot	18.01	18.13	18.09	19.50	16.47	16.66	16.66	17.50
EDGE 2Tx Slot	19.68	19.39	19.59	20.50	18.36	18.15	18.35	19.50
EDGE 3Tx Slot	19.08	18.69	18.67	19.74	17.82	17.86	17.75	18.74
EDGE 4Tx Slot	18.88	18.59	18.57	19.50	17.74	17.87	17.94	19.00
		0.6						

Band	WCDMA II Ant4			WCDMA II	WCDMA IV Ant4			WCDMA IV	WCDMA V Ant0			WCDMA V
TX Channel	9262	9400	9538	Max. Tune-up Power	1312	1413	1513	Max. Tune-up Power	4132	4182	4233	Max. Tune-up Power
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
RMC 12.2K	22.73	22.87	22.95	24.00	22.77	22.79	22.86	24.00	22.91	22.95	22.89	24.00
HSDPA Subtest-1	21.99	22.12	22.22	23.50	22.09	22.12	22.15	23.50	22.23	22.28	22.18	23.50
HSDPA Subtest-2	21.98	22.11	22.21	23.50	22.08	22.11	22.14	23.50	22.22	22.27	22.17	23.50
HSDPA Subtest-3	21.47	21.60	21.70	23.00	21.57	21.60	21.63	23.00	21.71	21.76	21.66	23.00
HSDPA Subtest-4	21.46	21.59	21.69	23.00	21.56	21.59	21.62	23.00	21.70	21.75	21.65	23.00
DC-HSDPA Subtest-1	21.91	22.06	22.14	23.50	22.01	22.06	22.07	23.50	22.15	22.22	22.10	23.50
DC-HSDPA Subtest-2	21.90	22.05	22.13	23.50	22.00	22.05	22.06	23.50	22.14	22.21	22.09	23.50
DC-HSDPA Subtest-3	21.48	21.54	21.64	23.00	21.58	21.54	21.57	23.00	21.72	21.70	21.60	23.00
DC-HSDPA Subtest-4	21.47	21.53	21.63	23.00	21.57	21.53	21.56	23.00	21.71	21.69	21.59	23.00
HSUPA Subtest-1	21.95	22.08	22.18	23.50	22.05	22.08	22.11	23.50	22.19	22.24	22.14	23.50
HSUPA Subtest-2	20.94	21.07	21.17	22.50	21.04	21.07	21.10	22.50	21.18	21.23	21.13	22.50
HSUPA Subtest-3	21.42	21.56	21.66	23.00	21.52	21.56	21.59	23.00	21.66	21.72	21.62	23.00
HSUPA Subtest-4	20.91	21.05	21.15	22.50	21.01	21.05	21.08	22.50	21.15	21.21	21.11	22.50
HSUPA Subtest-5	21.90	22.04	22.14	23.50	22.00	22.04	22.07	23.50	22.14	22.20	22.10	23.50
HSPA+ Subtest-1	21.46	21.61	21.71	23.00	21.56	21.61	21.64	23.00	21.70	21.77	21.67	23.00

LTE Full Power

LTE Band 2 Ant4

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		18700	18900	19100		
		Frequence (MHz)		1860	1880	1900		
20M	QPSK	1	0	23.49	23.65	23.67	0	24.5
		1	50	**23.63**	**23.83**	**23.81**	0	24.5
		1	99	23.62	23.72	23.78	0	24.5
		50	0	22.50	22.77	22.75	1	23.5
		50	25	**22.63**	**22.78**	**22.77**	1	23.5
		50	50	22.56	22.74	22.64	1	23.5
		100	0	22.54	**22.79**	22.67	1	23.5
	16QAM	1	0	22.85	22.96	22.85	1	23.5
		1	50	22.76	22.95	22.80	1	23.5
		1	99	22.78	22.97	22.98	1	23.5
		50	0	21.52	21.74	21.73	2	22.5
		50	25	21.59	21.76	21.75	2	22.5
		50	50	21.60	21.75	21.68	2	22.5
		100	0	21.57	21.72	21.66	2	22.5
	64QAM	1	0	21.58	21.69	21.78	2	22.5
		1	50	21.72	21.87	21.89	2	22.5
		1	99	21.71	21.74	21.84	2	22.5
		50	0	20.48	20.71	20.71	3	21.5
		50	25	20.55	20.73	20.74	3	21.5
		50	50	20.57	20.69	20.63	3	21.5
		100	0	20.53	20.70	20.65	3	21.5
BW	MCS Index	Channel		18675	18900	19125	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1857.5	1880	1902.5		
15M	QPSK	1	0	23.47	23.57	23.51	0	**24.5**
		1	37	23.55	23.77	23.69	0	24.5
		1	74	23.58	23.70	23.70	0	24.5
		36	0	22.38	22.67	22.73	1	23.5
		36	19	22.61	22.74	22.67	1	23.5
		36	39	22.40	22.60	22.60	1	23.5
		75	0	22.52	22.71	22.61	1	23.5
	16QAM	1	0	22.79	22.94	22.73	1	23.5
		1	37	22.68	22.85	22.76	1	23.5
		1	74	22.66	22.93	22.92	1	23.5
		36	0	21.48	21.58	21.71	2	22.5
		36	19	21.43	21.68	21.65	2	22.5
		36	39	21.54	21.63	21.64	2	22.5
		75	0	21.55	21.62	21.50	2	22.5
	64QAM	1	0	21.46	21.63	21.70	2	22.5
		1	37	21.68	21.73	21.79	2	22.5
		1	74	21.59	21.58	21.80	2	22.5
		36	0	20.46	20.67	20.55	3	21.5
		36	19	20.41	20.57	20.62	3	21.5
		36	39	20.53	20.67	20.55	3	21.5
		75	0	20.49	20.54	20.63	3	21.5
BW	MCS Index	Channel		18650	18900	19150	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1855	1880	1905		
10M	QPSK	1	0	23.40	23.57	23.54	0	**24.5**
		1	24	23.57	23.72	23.74	0	24.5
		1	49	23.52	23.67	23.69	0	24.5
		25	0	22.41	22.66	22.72	1	23.5
		25	12	22.60	22.69	22.67	1	23.5
		25	25	22.42	22.59	22.60	1	23.5
		50	0	22.52	22.73	22.56	1	23.5
	16QAM	1	0	22.75	22.87	22.73	1	23.5
		1	24	22.69	22.84	22.76	1	23.5
		1	49	22.70	22.88	22.90	1	23.5
		25	0	21.44	21.58	21.70	2	22.5
		25	12	21.49	21.64	21.69	2	22.5
		25	25	21.49	21.65	21.61	2	22.5
		50	0	21.54	21.59	21.57	2	22.5
	64QAM	1	0	21.44	21.62	21.69	2	22.5
		1	24	21.67	21.74	21.82	2	22.5
		1	49	21.63	21.59	21.77	2	22.5
		25	0	20.41	20.61	20.61	3	21.5
		25	12	20.47	20.63	20.60	3	21.5
		25	25	20.50	20.60	20.53	3	21.5
		50	0	20.50	20.56	20.62	3	21.5
BW	MCS Index	Channel		18625	18900	19175	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1852.5	1880	1907.5		
5M	QPSK	1	0	23.43	23.54	23.54	0	**24.5**
		1	12	23.57	23.72	23.73	0	24.5
		1	24	23.55	23.63	23.73	0	24.5
		12	0	22.40	22.67	22.69	1	23.5
		12	6	22.54	22.75	22.67	1	23.5
		12	13	22.44	22.62	22.61	1	23.5
		25	0	22.47	22.73	22.59	1	23.5
	16QAM	1	0	22.75	22.90	22.77	1	23.5
		1	12	22.64	22.88	22.73	1	23.5
		1	24	22.70	22.87	22.93	1	23.5
		12	0	21.42	21.60	21.64	2	22.5
		12	6	21.45	21.70	21.64	2	22.5
		12	13	21.50	21.64	21.64	2	22.5
		25	0	21.50	21.60	21.53	2	22.5
	64QAM	1	0	21.45	21.61	21.72	2	22.5
		1	12	21.62	21.78	21.78	2	22.5
		1	24	21.57	21.65	21.80	2	22.5
		12	0	20.43	20.64	20.55	3	21.5
		12	6	20.40	20.64	20.66	3	21.5
		12	13	20.51	20.63	20.51	3	21.5
		25	0	20.45	20.60	20.61	3	21.5
BW	MCS Index	Channel		18615	18900	19185	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1851.5	1880	1908.5		
3M	QPSK	1	0	23.42	23.59	23.53	0	24.5
		1	7	23.52	23.75	23.73	0	24.5
		1	14	23.54	23.64	23.69	0	24.5
		8	0	22.37	22.67	22.72	1	23.5
		8	3	22.54	22.74	22.66	1	23.5
		8	7	22.40	22.66	22.60	1	23.5
		15	0	22.49	22.70	22.56	1	23.5
	16QAM	1	0	22.74	22.94	22.77	1	23.5
		1	7	22.67	22.85	22.74	1	23.5
		1	14	22.70	22.87	22.94	1	23.5
		8	0	21.42	21.62	21.67	2	22.5
		8	3	21.48	21.66	21.68	2	22.5
		8	7	21.55	21.62	21.61	2	22.5
		15	0	21.50	21.59	21.56	2	22.5
	64QAM	1	0	21.51	21.64	21.66	2	22.5
		1	7	21.65	21.72	21.78	2	22.5
		1	14	21.64	21.60	21.80	2	22.5
		8	0	20.42	20.67	20.56	3	21.5
		8	3	20.46	20.57	20.67	3	21.5
		8	7	20.47	20.64	20.54	3	21.5
		15	0	20.49	20.54	20.63	3	21.5
BW	MCS Index	Channel		18607	18900	19193	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1850.7	1880	1909.3		
1.4M	QPSK	1	0	23.40	23.57	23.54	0	24.5
		1	2	23.56	23.74	23.73	0	24.5
		1	5	23.58	23.64	23.69	0	24.5
		3	0	23.38	23.64	23.72	0	24.5
		3	1	23.61	23.74	23.64	0	24.5
		3	3	23.43	23.59	23.56	0	24.5
		6	0	22.52	22.69	22.62	1	23.5
	16QAM	1	0	22.77	22.88	22.74	1	23.5
		1	2	22.70	22.82	22.76	1	23.5
		1	5	22.67	22.87	22.94	1	23.5
		3	0	22.46	22.61	22.67	1	23.5
		3	1	22.43	22.71	22.65	1	23.5
		3	3	22.53	22.64	22.65	1	23.5
		6	0	21.50	21.65	21.53	2	22.5
	64QAM	1	0	21.45	21.61	21.72	2	22.5
		1	2	21.62	21.78	21.79	2	22.5
		1	5	21.63	21.58	21.80	2	22.5
		3	0	21.39	21.63	21.55	2	22.5
		3	1	21.42	21.63	21.62	2	22.5
		3	3	21.50	21.60	21.58	2	22.5
		6	0	20.47	20.57	20.59	3	21.5

LTE Band 4 Ant4

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		20050	20175	20300		
		Frequence (MHz)		1720	1732.5	1745		
20M	QPSK	1	0	22.59	22.70	22.66	0	23.5
		1	50	22.54	22.63	22.61	0	23.5
		1	99	**22.66**	**22.72**	**22.74**	0	23.5
		50	0	21.60	21.62	21.66	1	22.5
		50	25	21.59	**21.67**	21.57	1	22.5
		50	50	**21.63**	**21.67**	**21.72**	1	22.5
		100	0	21.58	21.63	**21.65**	1	22.5
	16QAM	1	0	21.94	21.59	21.65	1	22.5
		1	50	21.88	21.79	21.68	1	22.5
		1	99	21.82	21.85	21.89	1	22.5
		50	0	20.57	20.67	20.63	2	21.5
		50	25	20.64	20.69	20.62	2	21.5
		50	50	20.61	20.60	20.57	2	21.5
		100	0	20.56	20.64	20.61	2	21.5
	64QAM	1	0	20.80	20.79	20.61	2	21.5
		1	50	20.72	20.75	20.82	2	21.5
		1	99	20.78	20.71	20.54	2	21.5
		50	0	19.54	19.59	19.64	3	20.5
		50	25	19.64	19.67	19.66	3	20.5
		50	50	19.53	19.64	19.54	3	20.5
		100	0	19.54	19.62	19.59	3	20.5
BW	MCS Index	Channel		20025	20175	20325	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1717.5	1732.5	1747.5		
15M	QPSK	1	0	22.51	22.66	22.61	0	23.5
		1	37	22.52	22.55	22.60	0	23.5
		1	74	22.58	22.70	22.66	0	23.5
		36	0	21.57	21.64	21.64	1	22.5
		36	19	21.57	21.60	21.52	1	22.5
		36	39	21.57	21.64	21.65	1	22.5
		75	0	21.57	21.61	21.57	1	22.5
	16QAM	1	0	21.87	21.51	21.59	1	22.5
		1	37	21.85	21.73	21.66	1	22.5
		1	74	21.80	21.78	21.84	1	22.5
		36	0	20.51	20.59	20.61	2	21.5
		36	19	20.62	20.61	20.61	2	21.5
		36	39	20.53	20.56	20.52	2	21.5
		75	0	20.54	20.56	20.60	2	21.5
	64QAM	1	0	20.72	20.75	20.56	2	21.5
		1	37	20.69	20.69	20.80	2	21.5
		1	74	20.76	20.64	20.49	2	21.5
		36	0	19.48	19.51	19.62	3	20.5
		36	19	19.63	19.65	19.58	3	20.5
		36	39	19.48	19.56	19.48	3	20.5
		75	0	19.53	19.56	19.57	3	20.5
BW	MCS Index	Channel		20000	20175	20350	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1715	1732.5	1750		
10M	QPSK	1	0	22.54	22.63	22.61	0	23.5
		1	24	22.52	22.55	22.59	0	23.5
		1	49	22.61	22.66	22.70	0	23.5
		25	0	21.56	21.65	21.61	1	22.5
		25	12	21.51	21.66	21.52	1	22.5
		25	25	21.59	21.67	21.66	1	22.5
		50	0	21.52	21.61	21.60	1	22.5
	16QAM	1	0	21.87	21.54	21.63	1	22.5
		1	24	21.80	21.77	21.63	1	22.5
		1	49	21.80	21.77	21.87	1	22.5
		25	0	20.49	20.61	20.55	2	21.5
		25	12	20.58	20.67	20.56	2	21.5
		25	25	20.54	20.55	20.55	2	21.5
		50	0	20.50	20.57	20.56	2	21.5
	64QAM	1	0	20.73	20.74	20.59	2	21.5
		1	24	20.64	20.73	20.76	2	21.5
		1	49	20.70	20.70	20.52	2	21.5
		25	0	19.50	19.54	19.56	3	20.5
		25	12	19.56	19.66	19.64	3	20.5
		25	25	19.49	19.59	19.46	3	20.5
		50	0	19.48	19.60	19.56	3	20.5
BW	MCS Index	Channel		19975	20175	20375	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1712.5	1732.5	1752.5		
5M	QPSK	1	0	22.53	22.59	22.53	0	23.5
		1	12	22.48	22.52	22.53	0	23.5
		1	24	22.59	22.65	22.66	0	23.5
		12	0	21.50	21.60	21.60	1	22.5
		12	6	21.50	21.64	21.47	1	22.5
		12	13	21.51	21.60	21.64	1	22.5
		25	0	21.51	21.57	21.57	1	22.5
	16QAM	1	0	21.84	21.53	21.57	1	22.5
		1	12	21.76	21.72	21.61	1	22.5
		1	24	21.74	21.75	21.84	1	22.5
		12	0	20.47	20.53	20.54	2	21.5
		12	6	20.50	20.63	20.51	2	21.5
		12	13	20.51	20.49	20.53	2	21.5
		25	0	20.49	20.52	20.48	2	21.5
	64QAM	1	0	20.67	20.71	20.55	2	21.5
		1	12	20.62	20.66	20.71	2	21.5
		1	24	20.64	20.62	20.50	2	21.5
		12	0	19.49	19.52	19.48	3	20.5
		12	6	19.49	19.58	19.58	3	20.5
		12	13	19.47	19.58	19.42	3	20.5
		25	0	19.46	19.52	19.55	3	20.5
BW	MCS Index	Channel		19965	20175	20385	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1711.5	1732.5	1753.5		
3M	QPSK	1	0	22.49	22.56	22.56	0	23.5
		1	7	22.50	22.47	22.57	0	23.5
		1	14	22.56	22.58	22.69	0	23.5
		8	0	21.52	21.60	21.56	1	22.5
		8	3	21.43	21.65	21.47	1	22.5
		8	7	21.55	21.62	21.65	1	22.5
		15	0	21.46	21.59	21.55	1	22.5
	16QAM	1	0	21.80	21.49	21.61	1	22.5
		1	7	21.72	21.75	21.58	1	22.5
		1	14	21.78	21.69	21.85	1	22.5
		8	0	20.41	20.55	20.47	2	21.5
		8	3	20.52	20.65	20.50	2	21.5
		8	7	20.47	20.50	20.53	2	21.5
		15	0	20.44	20.50	20.51	2	21.5
	64QAM	1	0	20.66	20.69	20.57	2	21.5
		1	7	20.56	20.71	20.70	2	21.5
		1	14	20.62	20.69	20.50	2	21.5
		8	0	19.46	19.49	19.48	3	20.5
		8	3	19.48	19.65	19.62	3	20.5
		8	7	19.45	19.54	19.38	3	20.5
		15	0	19.42	19.58	19.53	3	20.5
BW	MCS Index	Channel		19957	20175	20393	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1710.7	1732.5	1754.3		
1.4M	QPSK	1	0	22.46	22.59	22.56	0	23.5
		1	2	22.49	22.49	22.57	0	23.5
		1	5	22.59	22.59	22.65	0	23.5
		3	0	22.50	22.57	22.59	0	23.5
		3	1	22.50	22.64	22.44	0	23.5
		3	3	22.54	22.59	22.60	0	23.5
		6	0	21.51	21.55	21.58	1	22.5
	16QAM	1	0	21.82	21.47	21.58	1	22.5
		1	2	21.78	21.69	21.61	1	22.5
		1	5	21.75	21.69	21.86	1	22.5
		3	0	21.45	21.56	21.50	1	22.5
		3	1	21.50	21.66	21.51	1	22.5
		3	3	21.50	21.50	21.54	1	22.5
		6	0	20.44	20.55	20.51	2	21.5
	64QAM	1	0	20.66	20.69	20.57	2	21.5
		1	2	20.56	20.71	20.71	2	21.5
		1	5	20.68	20.62	20.50	2	21.5
		3	0	20.42	20.48	20.48	2	21.5
		3	1	20.50	20.64	20.58	2	21.5
		3	3	20.44	20.51	20.45	2	21.5
		6	0	19.44	19.55	19.51	3	20.5

LTE Band 5 Ant0

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		20450	20525	20600		
		Frequence (MHz)		829	836.5	844		
10M	QPSK	1	0	23.74	23.78	23.73	0	24.5
		1	24	**23.81**	**23.83**	**23.80**	0	24.5
		1	49	23.75	23.79	23.78	0	24.5
		25	0	22.68	22.75	22.76	1	23.5
		25	12	**22.71**	**22.79**	**22.77**	1	23.5
		25	25	22.70	22.75	22.73	1	23.5
		50	0	22.69	**22.78**	22.74	1	23.5
	16QAM	1	0	22.81	22.87	22.83	1	23.5
		1	24	22.77	22.89	22.91	1	23.5
		1	49	22.88	22.94	22.82	1	23.5
		25	0	21.73	21.77	21.81	2	22.5
		25	12	21.71	21.72	21.80	2	22.5
		25	25	21.67	21.73	21.75	2	22.5
		50	0	21.66	21.75	21.76	2	22.5
	64QAM	1	0	21.75	21.88	21.88	2	22.5
		1	24	21.87	21.86	21.90	2	22.5
		1	49	21.79	21.82	21.83	2	22.5
		25	0	20.68	20.74	20.75	3	21.5
		25	12	20.70	20.71	20.72	3	21.5
		25	25	20.66	20.67	20.70	3	21.5
		50	0	20.69	20.73	20.77	3	21.5
BW	MCS Index	Channel		20425	20525	20625	3GPP MPR	Max. Tune-up
		Frequence (MHz)		826.5	836.5	846.5		
5M	QPSK	1	0	23.69	23.71	23.68	0	24.5
		1	12	23.79	23.75	23.78	0	24.5
		1	24	23.70	23.71	23.77	0	24.5
		12	0	22.64	22.70	22.71	1	23.5
		12	6	22.63	22.78	22.72	1	23.5
		12	13	22.66	22.70	22.72	1	23.5
		25	0	22.63	22.76	22.69	1	23.5
	16QAM	1	0	22.74	22.82	22.81	1	23.5
		1	12	22.69	22.87	22.86	1	23.5
		1	24	22.86	22.86	22.80	1	23.5
		12	0	21.65	21.71	21.73	2	22.5
		12	6	21.65	21.70	21.74	2	22.5
		12	13	21.60	21.68	21.73	2	22.5
		25	0	21.60	21.68	21.71	2	22.5
	64QAM	1	0	21.68	21.83	21.86	2	22.5
		1	12	21.79	21.84	21.84	2	22.5
		1	24	21.71	21.81	21.81	2	22.5
		12	0	20.64	20.69	20.67	3	21.5
		12	6	20.62	20.70	20.70	3	21.5
		12	13	20.62	20.62	20.62	3	21.5
		25	0	20.63	20.71	20.74	3	21.5
BW	MCS Index	Channel		20415	20525	20635	3GPP MPR	Max. Tune-up
		Frequence (MHz)		825.5	836.5	847.5		
3M	QPSK	1	0	23.63	23.69	23.62	0	24.5
		1	7	23.72	23.70	23.76	0	24.5
		1	14	23.64	23.64	23.72	0	24.5
		8	0	22.57	22.65	22.69	1	23.5
		8	3	22.55	22.76	22.66	1	23.5
		8	7	22.58	22.69	22.70	1	23.5
		15	0	22.59	22.71	22.61	1	23.5
	16QAM	1	0	22.66	22.81	22.79	1	23.5
		1	7	22.64	22.82	22.82	1	23.5
		1	14	22.84	22.78	22.79	1	23.5
		8	0	21.57	21.67	21.68	2	22.5
		8	3	21.62	21.64	21.72	2	22.5
		8	7	21.58	21.61	21.68	2	22.5
		15	0	21.54	21.60	21.69	2	22.5
	64QAM	1	0	21.67	21.81	21.78	2	22.5
		1	7	21.74	21.76	21.78	2	22.5
		1	14	21.70	21.75	21.79	2	22.5
		8	0	20.59	20.67	20.60	3	21.5
		8	3	20.60	20.62	20.69	3	21.5
		8	7	20.54	20.58	20.57	3	21.5
		15	0	20.61	20.63	20.73	3	21.5
BW	MCS Index	Channel		20407	20525	20643	3GPP MPR	Max. Tune-up
		Frequence (MHz)		824.7	836.5	848.3		
1.4M	QPSK	1	0	23.61	23.67	23.63	0	24.5
		1	2	23.76	23.69	23.76	0	24.5
		1	5	23.68	23.64	23.72	0	24.5
		3	0	23.58	23.62	23.69	0	24.5
		3	1	23.62	23.76	23.64	0	24.5
		3	3	23.61	23.62	23.66	0	24.5
		6	0	22.62	22.70	22.67	1	23.5
	16QAM	1	0	22.69	22.75	22.76	1	23.5
		1	2	22.67	22.79	22.84	1	23.5
		1	5	22.81	22.78	22.79	1	23.5
		3	0	22.61	22.66	22.68	1	23.5
		3	1	22.57	22.69	22.69	1	23.5
		3	3	22.56	22.63	22.72	1	23.5
		6	0	21.54	21.66	21.66	2	22.5
	64QAM	1	0	21.61	21.78	21.84	2	22.5
		1	2	21.71	21.82	21.79	2	22.5
		1	5	21.69	21.73	21.79	2	22.5
		3	0	21.56	21.63	21.59	2	22.5
		3	1	21.56	21.68	21.64	2	22.5
		3	3	21.57	21.54	21.61	2	22.5
		6	0	20.59	20.66	20.69	3	21.5

LTE Band 7 Ant0

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		20850	21100	21350		
		Frequence (MHz)		2510	2535	2560		
20M	QPSK	1	0	23.76	23.99	23.87	0	25
		1	50	**23.94**	**24.11**	**24.15**	0	25
		1	99	23.79	23.94	23.78	0	25
		50	0	**23.06**	**23.09**	**23.10**	1	24
		50	25	23.04	23.07	23.02	1	24
		50	50	23.01	23.05	22.90	1	24
		100	0	22.93	22.95	**23.04**	1	24
	16QAM	1	0	22.98	23.17	23.02	1	24
		1	50	22.83	23.21	23.04	1	24
		1	99	23.02	23.14	22.91	1	24
		50	0	21.86	22.05	22.05	2	23
		50	25	22.01	22.11	22.06	2	23
		50	50	21.97	22.10	21.91	2	23
		100	0	21.96	22.03	21.98	2	23
	64QAM	1	0	21.89	22.09	22.01	2	23
		1	50	21.96	22.21	21.99	2	23
		1	99	21.84	22.02	22.03	2	23
		50	0	20.83	21.03	21.06	3	22
		50	25	21.04	21.10	21.02	3	22
		50	50	20.94	21.04	20.87	3	22
		100	0	20.91	20.99	20.95	3	22
BW	MCS Index	Channel		20825	21100	21375	3GPP MPR	Max. Tune-up
		Frequence (MHz)		2507.5	2535	2562.5		
15M	QPSK	1	0	23.70	23.88	23.74	0	25
		1	37	23.88	24.00	24.07	0	25
		1	74	23.72	23.85	23.73	0	25
		36	0	22.96	22.99	23.04	1	24
		36	19	22.95	23.04	22.92	1	24
		36	39	22.89	22.93	22.87	1	24
		75	0	22.86	22.89	22.96	1	24
	16QAM	1	0	22.88	23.11	22.94	1	24
		1	37	22.71	23.14	22.97	1	24
		1	74	22.94	23.04	22.86	1	24
		36	0	21.76	21.91	21.96	2	23
		36	19	21.87	22.05	21.95	2	23
		36	39	21.87	21.99	21.87	2	23
		75	0	21.89	21.91	21.85	2	23
	64QAM	1	0	21.76	22.01	21.95	2	23
		1	37	21.86	22.12	21.88	2	23
		1	74	21.70	21.93	21.99	2	23
		36	0	20.78	20.96	20.90	3	22
		36	19	20.89	21.01	20.94	3	22
		36	39	20.88	20.98	20.75	3	22
		75	0	20.83	20.89	20.91	3	22
BW	MCS Index	Channel		20800	21100	21400	3GPP MPR	Max. Tune-up
		Frequence (MHz)		2505	2535	2565		
10M	QPSK	1	0	23.63	23.88	23.77	0	25
		1	24	23.90	23.95	24.12	0	25
		1	49	23.66	23.82	23.72	0	25
		25	0	22.99	22.98	23.03	1	24
		25	12	22.94	22.99	22.92	1	24
		25	25	22.91	22.92	22.87	1	24
		50	0	22.86	22.91	22.91	1	24
	16QAM	1	0	22.84	23.04	22.94	1	24
		1	24	22.72	23.13	22.97	1	24
		1	49	22.98	22.99	22.84	1	24
		25	0	21.72	21.91	21.95	2	23
		25	12	21.93	22.01	21.99	2	23
		25	25	21.82	22.01	21.84	2	23
		50	0	21.88	21.88	21.92	2	23
	64QAM	1	0	21.74	22.00	21.94	2	23
		1	24	21.85	22.13	21.91	2	23
		1	49	21.74	21.94	21.96	2	23
		25	0	20.73	20.90	20.96	3	22
		25	12	20.95	21.07	20.92	3	22
		25	25	20.85	20.91	20.73	3	22
		50	0	20.84	20.91	20.90	3	22
BW	MCS Index	Channel		20775	21100	21425	3GPP MPR	Max. Tune-up
		Frequence (MHz)		2502.5	2535	2567.5		
5M	QPSK	1	0	23.66	23.85	23.77	0	25
		1	12	23.90	23.95	24.11	0	25
		1	24	23.69	23.78	23.76	0	25
		12	0	22.98	22.99	23.00	1	24
		12	6	22.88	23.05	22.92	1	24
		12	13	22.93	22.95	22.88	1	24
		25	0	22.81	22.91	22.94	1	24
	16QAM	1	0	22.84	23.07	22.98	1	24
		1	12	22.67	23.17	22.94	1	24
		1	24	22.98	22.98	22.87	1	24
		12	0	21.70	21.93	21.89	2	23
		12	6	21.89	22.07	21.94	2	23
		12	13	21.83	22.00	21.87	2	23
		25	0	21.84	21.89	21.88	2	23
	64QAM	1	0	21.75	21.99	21.97	2	23
		1	12	21.80	22.17	21.87	2	23
		1	24	21.68	22.00	21.99	2	23
		12	0	20.75	20.93	20.90	3	22
		12	6	20.88	21.08	20.98	3	22
		12	13	20.86	20.94	20.71	3	22
		25	0	20.79	20.95	20.89	3	22

LTE Band 12 Ant0

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		23060	23095	23130		
		Frequence (MHz)		704	707.5	711		
10M	QPSK	1	0	23.70	23.71	23.77	0	24.5
		1	24	**23.75**	**23.79**	**23.82**	0	24.5
		1	49	23.72	23.73	23.76	0	24.5
		25	0	22.68	22.68	22.75	1	23.5
		25	12	**22.69**	**22.71**	**22.76**	1	23.5
		25	25	22.66	22.67	22.68	1	23.5
		50	0	22.69	22.71	**22.73**	1	23.5
	16QAM	1	0	22.80	22.74	22.88	1	23.5
		1	24	22.83	22.86	22.91	1	23.5
		1	49	22.87	22.72	22.87	1	23.5
		25	0	21.66	21.71	21.76	2	22.5
		25	12	21.71	21.67	21.74	2	22.5
		25	25	21.68	21.68	21.70	2	22.5
		50	0	21.72	21.66	21.72	2	22.5
	64QAM	1	0	21.79	21.73	21.86	2	22.5
		1	24	21.83	21.81	21.88	2	22.5
		1	49	21.79	21.82	21.89	2	22.5
		25	0	20.65	20.67	20.72	3	21.5
		25	12	20.63	20.66	20.73	3	21.5
		25	25	20.66	20.64	20.63	3	21.5
		50	0	20.64	20.63	20.70	3	21.5
BW	MCS Index	Channel		23035	23095	23155	3GPP MPR	Max. Tune-up
		Frequence (MHz)		701.5	707.5	713.5		
5M	QPSK	1	0	23.59	23.62	23.66	0	24.5
		1	12	23.66	23.66	23.78	0	24.5
		1	24	23.61	23.58	23.70	0	24.5
		12	0	22.57	22.58	22.68	1	23.5
		12	6	22.53	22.68	22.65	1	23.5
		12	13	22.54	22.61	22.65	1	23.5
		25	0	22.59	22.64	22.60	1	23.5
	16QAM	1	0	22.65	22.68	22.84	1	23.5
		1	12	22.70	22.79	22.82	1	23.5
		1	24	22.83	22.56	22.84	1	23.5
		12	0	21.50	21.61	21.63	2	22.5
		12	6	21.62	21.59	21.66	2	22.5
		12	13	21.59	21.56	21.63	2	22.5
		25	0	21.60	21.51	21.65	2	22.5
	64QAM	1	0	21.71	21.66	21.76	2	22.5
		1	12	21.70	21.71	21.76	2	22.5
		1	24	21.70	21.75	21.85	2	22.5
		12	0	20.56	20.60	20.57	3	21.5
		12	6	20.53	20.57	20.70	3	21.5
		12	13	20.54	20.55	20.50	3	21.5
		25	0	20.56	20.53	20.66	3	21.5
BW	MCS Index	Channel		23025	23095	23165	3GPP MPR	Max. Tune-up
		Frequence (MHz)		700.5	707.5	714.5		
3M	QPSK	1	0	23.60	23.57	23.67	0	24.5
		1	7	23.71	23.63	23.78	0	24.5
		1	14	23.62	23.57	23.74	0	24.5
		8	0	22.60	22.58	22.65	1	23.5
		8	3	22.53	22.69	22.66	1	23.5
		8	7	22.58	22.57	22.66	1	23.5
		15	0	22.57	22.67	22.63	1	23.5
	16QAM	1	0	22.66	22.64	22.84	1	23.5
		1	7	22.67	22.82	22.81	1	23.5
		1	14	22.83	22.56	22.83	1	23.5
		8	0	21.50	21.59	21.60	2	22.5
		8	3	21.59	21.63	21.62	2	22.5
		8	7	21.54	21.58	21.66	2	22.5
		15	0	21.60	21.52	21.62	2	22.5
	64QAM	1	0	21.65	21.63	21.82	2	22.5
		1	7	21.67	21.77	21.76	2	22.5
		1	14	21.63	21.80	21.85	2	22.5
		8	0	20.57	20.57	20.56	3	21.5
		8	3	20.47	20.64	20.69	3	21.5
		8	7	20.58	20.54	20.47	3	21.5
		15	0	20.52	20.59	20.64	3	21.5
BW	MCS Index	Channel		23017	23095	23173	3GPP MPR	Max. Tune-up
		Frequence (MHz)		699.7	707.5	715.3		
1.4M	QPSK	1	0	23.57	23.60	23.67	0	24.5
		1	2	23.70	23.65	23.78	0	24.5
		1	5	23.65	23.58	23.70	0	24.5
		3	0	23.58	23.55	23.68	0	24.5
		3	1	23.60	23.68	23.63	0	24.5
		3	3	23.57	23.54	23.61	0	24.5
		6	0	22.62	22.63	22.66	1	23.5
	16QAM	1	0	22.68	22.62	22.81	1	23.5
		1	2	22.73	22.76	22.84	1	23.5
		1	5	22.80	22.56	22.84	1	23.5
		3	0	22.54	22.60	22.63	1	23.5
		3	1	22.57	22.64	22.63	1	23.5
		3	3	22.57	22.58	22.67	1	23.5
		6	0	21.60	21.57	21.62	2	22.5
	64QAM	1	0	21.65	21.63	21.82	2	22.5
		1	2	21.67	21.77	21.77	2	22.5
		1	5	21.69	21.73	21.85	2	22.5
		3	0	21.53	21.56	21.56	2	22.5
		3	1	21.49	21.63	21.65	2	22.5
		3	3	21.57	21.51	21.54	2	22.5
		6	0	20.54	20.56	20.62	3	21.5

LTE Band 13 Ant0

BW	MCS Index	RB Size	RB Offset	Mid	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		23230		
		Frequence (MHz)		782		
10M	QPSK	1	0	**21.93**	0	22.5
		1	24	21.87	0	22.5
		1	49	21.83	0	22.5
		25	0	**20.87**	1	21.5
		25	12	20.84	1	21.5
		25	25	20.72	1	21.5
		50	0	**20.76**	1	21.5
	16QAM	1	0	21.15	1	21.5
		1	24	21.09	1	21.5
		1	49	20.97	1	21.5
		25	0	19.89	2	20.5
		25	12	19.78	2	20.5
		25	25	19.80	2	20.5
		50	0	19.78	2	20.5
	64QAM	1	0	19.82	2	20.5
		1	24	19.75	2	20.5
		1	49	19.79	2	20.5
		25	0	18.86	3	19.5
		25	12	18.77	3	19.5
		25	25	18.84	3	19.5
		50	0	18.82	3	19.5
BW	MCS Index	Channel		23205	23230	23255	3GPP MPR	Max. Tune-up
		Frequence (MHz)		779.5	782	784.5		
5M	QPSK	1	0	21.86	21.89	21.78	0	22.5
		1	12	21.79	21.82	21.71	0	22.5
		1	24	21.78	21.75	21.73	0	22.5
		12	0	20.83	20.82	20.72	1	21.5
		12	6	20.78	20.83	20.74	1	21.5
		12	13	20.73	20.67	20.71	1	21.5
		25	0	20.76	20.74	20.69	1	21.5
	16QAM	1	0	21.05	21.10	20.97	1	21.5
		1	12	21.11	21.07	20.95	1	21.5
		1	24	20.91	20.89	20.88	1	21.5
		12	0	19.75	19.83	19.68	2	20.5
		12	6	19.72	19.76	19.59	2	20.5
		12	13	19.74	19.75	19.64	2	20.5
		25	0	19.77	19.71	19.67	2	20.5
	64QAM	1	0	19.86	19.77	19.82	2	20.5
		1	12	19.82	19.73	19.79	2	20.5
		1	24	19.87	19.78	19.74	2	20.5
		12	0	18.83	18.81	18.72	3	19.5
		12	6	18.79	18.76	18.78	3	19.5
		12	13	18.77	18.79	18.73	3	19.5
		25	0	18.81	18.80	18.74	3	19.5

LTE Band 17 Ant0

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		23780	23790	23800		
		Frequence (MHz)		709	710	711		
10M	QPSK	1	0	23.73	23.78	23.79	0	24.5
		1	24	**23.86**	**23.83**	**23.80**	0	24.5
		1	49	23.74	23.75	23.76	0	24.5
		25	0	**22.78**	**22.75**	**22.77**	1	23.5
		25	12	22.71	22.72	22.76	1	23.5
		25	25	22.72	22.68	22.70	1	23.5
		50	0	**22.75**	22.73	22.74	1	23.5
	16QAM	1	0	22.92	22.99	22.89	1	23.5
		1	24	22.86	22.95	22.87	1	23.5
		1	49	22.91	22.88	22.91	1	23.5
		25	0	21.70	21.76	21.78	2	22.5
		25	12	21.75	21.74	21.76	2	22.5
		25	25	21.68	21.68	21.68	2	22.5
		50	0	21.80	21.70	21.72	2	22.5
	64QAM	1	0	22.03	21.80	21.83	2	22.5
		1	24	21.97	21.88	21.85	2	22.5
		1	49	21.80	21.83	21.86	2	22.5
		25	0	20.70	20.73	20.76	3	21.5
		25	12	20.72	20.72	20.79	3	21.5
		25	25	20.68	20.67	20.69	3	21.5
		50	0	20.69	20.69	20.71	3	21.5
BW	MCS Index	Channel		23755	23790	23825	3GPP MPR	Max. Tune-up
		Frequence (MHz)		706.5	710	713.5		
5M	QPSK	1	0	23.57	23.70	23.69	0	24.5
		1	12	23.82	23.67	23.78	0	24.5
		1	24	23.58	23.67	23.68	0	24.5
		12	0	22.72	22.63	22.73	1	23.5
		12	6	22.67	22.58	22.66	1	23.5
		12	13	22.60	22.52	22.66	1	23.5
		25	0	22.73	22.69	22.58	1	23.5
	16QAM	1	0	22.78	22.83	22.77	1	23.5
		1	12	22.80	22.83	22.83	1	23.5
		1	24	22.87	22.74	22.81	1	23.5
		12	0	21.58	21.60	21.74	2	22.5
		12	6	21.71	21.58	21.74	2	22.5
		12	13	21.52	21.60	21.58	2	22.5
		25	0	21.76	21.54	21.70	2	22.5
	64QAM	1	0	21.87	21.72	21.73	2	22.5
		1	12	21.91	21.76	21.81	2	22.5
		1	24	21.76	21.69	21.76	2	22.5
		12	0	20.58	20.57	20.72	3	21.5
		12	6	20.70	20.68	20.63	3	21.5
		12	13	20.58	20.51	20.57	3	21.5
		25	0	20.67	20.57	20.67	3	21.5

LTE Band 25 Ant4

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		26140	26340	26590		
		Frequence (MHz)		1860	1880	1905		
20M	QPSK	1	0	23.58	23.64	23.71	0	24.5
		1	50	**23.72**	**23.87**	**23.89**	0	24.5
		1	99	23.67	23.76	23.77	0	24.5
		50	0	22.67	22.89	22.96	1	23.5
		50	25	**22.74**	**22.90**	**23.01**	1	23.5
		50	50	22.72	22.88	22.93	1	23.5
		100	0	22.71	22.87	**22.94**	1	23.5
	16QAM	1	0	22.93	22.88	23.03	1	23.5
		1	50	22.86	23.09	23.20	1	23.5
		1	99	22.97	23.07	22.98	1	23.5
		50	0	21.60	21.85	21.97	2	22.5
		50	25	21.68	21.88	21.93	2	22.5
		50	50	21.71	21.87	21.91	2	22.5
		100	0	21.63	21.86	21.94	2	22.5
	64QAM	1	0	21.73	21.83	21.84	2	22.5
		1	50	21.83	22.01	22.09	2	22.5
		1	99	21.86	21.92	21.88	2	22.5
		50	0	20.61	20.85	20.97	3	21.5
		50	25	20.71	20.86	20.91	3	21.5
		50	50	20.67	20.83	20.90	3	21.5
		100	0	20.63	20.82	20.85	3	21.5
BW	MCS Index	Channel		26115	26340	26565	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1857.5	1880	1907.5		
15M	QPSK	1	0	23.49	23.56	23.58	0	**24.5**
		1	37	23.66	23.76	23.82	0	24.5
		1	74	23.57	23.71	23.68	0	24.5
		36	0	22.58	22.78	22.93	1	23.5
		36	19	22.71	22.81	22.91	1	23.5
		36	39	22.58	22.73	22.89	1	23.5
		75	0	22.69	22.81	22.83	1	23.5
	16QAM	1	0	22.83	22.79	22.91	1	23.5
		1	37	22.79	22.98	23.16	1	23.5
		1	74	22.89	22.98	22.90	1	23.5
		36	0	21.52	21.69	21.94	2	22.5
		36	19	21.58	21.76	21.87	2	22.5
		36	39	21.60	21.77	21.84	2	22.5
		75	0	21.60	21.73	21.85	2	22.5
	64QAM	1	0	21.59	21.76	21.75	2	22.5
		1	37	21.78	21.88	22.02	2	22.5
		1	74	21.78	21.77	21.81	2	22.5
		36	0	20.54	20.75	20.87	3	21.5
		36	19	20.63	20.76	20.77	3	21.5
		36	39	20.60	20.74	20.80	3	21.5
		75	0	20.60	20.68	20.82	3	21.5
BW	MCS Index	Channel		26090	26340	26640	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1855	1880	1910		
10M	QPSK	1	0	23.42	23.56	23.61	0	**24.5**
		1	24	23.68	23.71	23.87	0	24.5
		1	49	23.51	23.68	23.67	0	24.5
		25	0	22.61	22.77	22.92	1	23.5
		25	12	22.70	22.76	22.91	1	23.5
		25	25	22.60	22.72	22.89	1	23.5
		50	0	22.69	22.83	22.78	1	23.5
	16QAM	1	0	22.79	22.72	22.91	1	23.5
		1	24	22.80	22.97	23.16	1	23.5
		1	49	22.93	22.93	22.88	1	23.5
		25	0	21.48	21.69	21.93	2	22.5
		25	12	21.64	21.72	21.91	2	22.5
		25	25	21.55	21.79	21.81	2	22.5
		50	0	21.59	21.70	21.92	2	22.5
	64QAM	1	0	21.57	21.75	21.74	2	22.5
		1	24	21.77	21.89	22.05	2	22.5
		1	49	21.82	21.78	21.78	2	22.5
		25	0	20.49	20.69	20.93	3	21.5
		25	12	20.69	20.82	20.75	3	21.5
		25	25	20.57	20.67	20.78	3	21.5
		50	0	20.61	20.70	20.81	3	21.5
BW	MCS Index	Channel		26065	26340	26665	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1852.5	1880	1912.5		
5M	QPSK	1	0	23.45	23.53	23.61	0	**24.5**
		1	12	23.68	23.71	23.86	0	24.5
		1	24	23.54	23.64	23.71	0	24.5
		12	0	22.60	22.78	22.89	1	23.5
		12	6	22.64	22.82	22.91	1	23.5
		12	13	22.62	22.75	22.90	1	23.5
		25	0	22.64	22.83	22.81	1	23.5
	16QAM	1	0	22.79	22.75	22.95	1	23.5
		1	12	22.75	23.01	23.13	1	23.5
		1	24	22.93	22.92	22.91	1	23.5
		12	0	21.46	21.71	21.87	2	22.5
		12	6	21.60	21.78	21.86	2	22.5
		12	13	21.56	21.78	21.84	2	22.5
		25	0	21.55	21.71	21.88	2	22.5
	64QAM	1	0	21.58	21.74	21.77	2	22.5
		1	12	21.72	21.93	22.01	2	22.5
		1	24	21.76	21.84	21.81	2	22.5
		12	0	20.51	20.72	20.87	3	21.5
		12	6	20.62	20.83	20.81	3	21.5
		12	13	20.58	20.70	20.76	3	21.5
		25	0	20.56	20.74	20.80	3	21.5
BW	MCS Index	Channel		26055	26340	26675	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1851.5	1880	1913.5		
3M	QPSK	1	0	23.44	23.58	23.60	0	24.5
		1	7	23.63	23.74	23.86	0	24.5
		1	14	23.53	23.65	23.67	0	24.5
		8	0	22.57	22.78	22.92	1	23.5
		8	3	22.64	22.81	22.90	1	23.5
		8	7	22.58	22.79	22.89	1	23.5
		15	0	22.66	22.80	22.78	1	23.5
	16QAM	1	0	22.78	22.79	22.95	1	23.5
		1	7	22.78	22.98	23.14	1	23.5
		1	14	22.93	22.92	22.92	1	23.5
		8	0	21.46	21.73	21.90	2	22.5
		8	3	21.63	21.74	21.90	2	22.5
		8	7	21.61	21.76	21.81	2	22.5
		15	0	21.55	21.70	21.91	2	22.5
	64QAM	1	0	21.64	21.77	21.71	2	22.5
		1	7	21.75	21.87	22.01	2	22.5
		1	14	21.83	21.79	21.81	2	22.5
		8	0	20.50	20.75	20.88	3	21.5
		8	3	20.68	20.76	20.82	3	21.5
		8	7	20.54	20.71	20.79	3	21.5
		15	0	20.60	20.68	20.82	3	21.5
BW	MCS Index	Channel		26047	26340	26683	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1850.7	1880	1914.3		
1.4M	QPSK	1	0	23.42	23.56	23.61	0	24.5
		1	2	23.67	23.73	23.86	0	24.5
		1	5	23.57	23.65	23.67	0	24.5
		3	0	23.58	23.75	23.92	0	24.5
		3	1	23.71	23.81	23.88	0	24.5
		3	3	23.61	23.72	23.85	0	24.5
		6	0	22.69	22.79	22.84	1	23.5
	16QAM	1	0	22.81	22.73	22.92	1	23.5
		1	2	22.81	22.95	23.16	1	23.5
		1	5	22.90	22.92	22.92	1	23.5
		3	0	22.50	22.72	22.90	1	23.5
		3	1	22.58	22.79	22.87	1	23.5
		3	3	22.59	22.78	22.85	1	23.5
		6	0	21.55	21.76	21.88	2	22.5
	64QAM	1	0	21.58	21.74	21.77	2	22.5
		1	2	21.72	21.93	22.02	2	22.5
		1	5	21.82	21.77	21.81	2	22.5
		3	0	21.47	21.71	21.87	2	22.5
		3	1	21.64	21.82	21.77	2	22.5
		3	3	21.57	21.67	21.83	2	22.5
		6	0	20.58	20.71	20.78	3	21.5

LTE Band 26 for FCC SAR Ant0

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		26765	26865	26965		
		Frequence (MHz)		821.5	831.5	841.5		
15M	QPSK	1	0	23.44	23.51	23.52	0	24.5
		1	37	**23.60**	**23.65**	**23.60**	0	24.5
		1	74	23.49	23.55	23.53	0	24.5
		36	0	22.48	22.53	22.55	1	23.5
		36	19	**22.52**	**22.59**	**22.59**	1	23.5
		36	39	22.46	22.54	22.45	1	23.5
		75	0	22.53	**22.58**	22.56	1	23.5
	16QAM	1	0	22.59	22.78	22.79	1	23.5
		1	37	22.82	22.77	22.85	1	23.5
		1	74	22.58	22.61	22.73	1	23.5
		36	0	22.48	21.50	21.53	2	22.5
		36	19	21.47	21.52	21.56	2	22.5
		36	39	21.43	21.49	21.49	2	22.5
		75	0	21.46	21.53	21.53	2	22.5
	64QAM	1	0	21.51	21.68	21.60	2	22.5
		1	37	21.76	21.69	21.70	2	22.5
		1	74	21.55	21.65	21.62	2	22.5
		36	0	20.44	20.55	20.57	3	21.5
		36	19	20.48	20.59	20.56	3	21.5
		36	39	20.51	20.52	20.48	3	21.5
		75	0	20.45	20.57	20.51	3	21.5
BW	MCS Index	Channel		26740	26865	26990	3GPP MPR	Max. Tune-up
		Frequence (MHz)		819	831.5	844		
10M	QPSK	1	0	23.35	23.43	23.39	0	**24.5**
		1	24	23.54	23.54	23.53	0	24.5
		1	49	23.39	23.50	23.44	0	24.5
		25	0	22.39	22.42	22.52	1	23.5
		25	12	22.49	22.50	22.49	1	23.5
		25	25	22.32	22.39	22.41	1	23.5
		50	0	22.51	22.52	22.45	1	23.5
	16QAM	1	0	22.49	22.69	22.67	1	23.5
		1	24	22.75	22.66	22.81	1	23.5
		1	49	22.50	22.52	22.65	1	23.5
		25	0	22.40	21.34	21.50	2	22.5
		25	12	21.37	21.40	21.50	2	22.5
		25	25	21.32	21.39	21.42	2	22.5
		50	0	21.43	21.40	21.44	2	22.5
	64QAM	1	0	21.37	21.61	21.51	2	22.5
		1	24	21.71	21.56	21.63	2	22.5
		1	49	21.47	21.50	21.55	2	22.5
		25	0	20.37	20.45	20.47	3	21.5
		25	12	20.40	20.49	20.42	3	21.5
		25	25	20.44	20.43	20.38	3	21.5
		50	0	20.42	20.43	20.48	3	21.5
BW	MCS Index	Channel		26715	26865	27015	3GPP MPR	Max. Tune-up
		Frequence (MHz)		816.5	831.5	846.5		
5M	QPSK	1	0	23.38	23.40	23.39	0	**24.5**
		1	12	23.54	23.54	23.52	0	24.5
		1	24	23.42	23.46	23.48	0	24.5
		12	0	22.38	22.43	22.49	1	23.5
		12	6	22.43	22.56	22.49	1	23.5
		12	13	22.34	22.42	22.42	1	23.5
		25	0	22.46	22.52	22.48	1	23.5
	16QAM	1	0	22.49	22.72	22.71	1	23.5
		1	12	22.70	22.70	22.78	1	23.5
		1	24	22.50	22.51	22.68	1	23.5
		12	0	21.38	21.36	21.44	2	22.5
		12	6	21.33	21.46	21.45	2	22.5
		12	13	21.33	21.38	21.45	2	22.5
		25	0	21.39	21.41	21.40	2	22.5
	64QAM	1	0	21.38	21.60	21.54	2	22.5
		1	12	21.66	21.60	21.59	2	22.5
		1	24	21.41	21.56	21.58	2	22.5
		12	0	20.39	20.48	20.41	3	21.5
		12	6	20.33	20.50	20.48	3	21.5
		12	13	20.45	20.46	20.36	3	21.5
		25	0	20.37	20.47	20.47	3	21.5
BW	MCS Index	Channel		26705	26865	27025	3GPP MPR	Max. Tune-up
		Frequence (MHz)		815.5	831.5	847.5		
3M	QPSK	1	0	23.37	23.45	23.38	0	24.5
		1	7	23.49	23.57	23.52	0	24.5
		1	14	23.41	23.47	23.44	0	24.5
		8	0	22.35	22.43	22.52	1	23.5
		8	3	22.43	22.55	22.48	1	23.5
		8	7	22.30	22.46	22.41	1	23.5
		15	0	22.48	22.49	22.45	1	23.5
	16QAM	1	0	22.48	22.76	22.71	1	23.5
		1	7	22.73	22.67	22.79	1	23.5
		1	14	22.50	22.51	22.69	1	23.5
		8	0	21.38	21.38	21.47	2	22.5
		8	3	21.36	21.42	21.49	2	22.5
		8	7	21.38	21.36	21.42	2	22.5
		15	0	21.39	21.40	21.43	2	22.5
	64QAM	1	0	21.44	21.63	21.48	2	22.5
		1	7	21.69	21.54	21.59	2	22.5
		1	14	21.48	21.51	21.58	2	22.5
		8	0	20.38	20.51	20.42	3	21.5
		8	3	20.39	20.43	20.49	3	21.5
		8	7	20.41	20.47	20.39	3	21.5
		15	0	20.41	20.41	20.49	3	21.5
BW	MCS Index	Channel		26697	26865	27033	3GPP MPR	Max. Tune-up
		Frequence (MHz)		814.7	831.5	848.3		
1.4M	QPSK	1	0	23.35	23.43	23.39	0	24.5
		1	2	23.53	23.56	23.52	0	24.5
		1	5	23.45	23.47	23.44	0	24.5
		3	0	23.36	23.40	23.52	0	24.5
		3	1	23.50	23.55	23.46	0	24.5
		3	3	23.33	23.39	23.37	0	24.5
		6	0	22.51	22.48	22.51	1	23.5
	16QAM	1	0	22.51	22.70	22.68	1	23.5
		1	2	22.76	22.64	22.81	1	23.5
		1	5	22.47	22.51	22.69	1	23.5
		3	0	22.42	22.37	22.47	1	23.5
		3	1	22.31	22.47	22.46	1	23.5
		3	3	22.36	22.38	22.46	1	23.5
		6	0	21.39	21.46	21.40	2	22.5
	64QAM	1	0	21.38	21.60	21.54	2	22.5
		1	2	21.66	21.60	21.60	2	22.5
		1	5	21.47	21.49	21.58	2	22.5
		3	0	21.35	21.47	21.41	2	22.5
		3	1	21.35	21.49	21.44	2	22.5
		3	3	21.44	21.43	21.43	2	22.5
		6	0	20.39	20.44	20.45	3	21.5

LTE Band 38 Ant4

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Turn-up (dBm)
		Channel		37850	38000	38150		
		Frequence (MHz)		2550	2580	2610		
20M	QPSK	1	0	**23.87**	**23.80**	**23.69**	0	24.5
		1	50	23.83	23.76	23.65	0	24.5
		1	99	23.63	23.52	23.46	0	24.5
		50	0	**22.98**	**22.86**	**22.78**	1	23.5
		50	25	22.93	22.82	22.74	1	23.5
		50	50	22.87	22.79	22.71	1	23.5
		100	0	**22.91**	22.81	22.75	1	23.5
	16QAM	1	0	23.00	22.90	22.80	1	23.5
		1	50	22.99	22.87	22.77	1	23.5
		1	99	22.76	22.65	22.58	1	23.5
		50	0	21.97	21.89	21.80	2	22.5
		50	25	21.93	21.86	21.76	2	22.5
		50	50	21.86	21.79	21.72	2	22.5
		100	0	21.91	21.84	21.75	2	22.5
	64QAM	1	0	21.55	21.47	21.36	2	22.5
		1	50	21.58	21.44	21.35	2	22.5
		1	99	21.32	21.20	21.13	2	22.5
		50	0	20.90	20.84	20.74	3	21.5
		50	25	20.91	20.77	20.71	3	21.5
		50	50	20.80	20.73	20.67	3	21.5
		100	0	20.85	20.76	20.70	3	21.5
BW	MCS Index	Channel		37825	38000	38175	3GPP MPR	Max. Turn-up
		Frequence (MHz)		2577.5	2680	2802.5		
15M	QPSK	1	0	23.78	23.72	23.58	0	24.5
		1	37	23.77	23.65	23.58	0	24.5
		1	74	23.53	23.47	23.37	0	24.5
		36	0	22.89	22.75	22.75	1	23.5
		36	19	22.90	22.73	22.64	1	23.5
		36	39	22.73	22.64	22.67	1	23.5
		75	0	22.89	22.75	22.64	1	23.5
	16QAM	1	0	22.90	22.81	22.68	1	23.5
		1	37	22.92	22.76	22.73	1	23.5
		1	74	22.68	22.56	22.50	1	23.5
		36	0	21.89	21.73	21.77	2	22.5
		36	19	21.83	21.74	21.70	2	22.5
		36	39	21.75	21.69	21.65	2	22.5
		75	0	21.86	21.71	21.66	2	22.5
	64QAM	1	0	21.41	21.40	21.27	2	22.5
		1	37	21.53	21.31	21.28	2	22.5
		1	74	21.24	21.05	21.06	2	22.5
		36	0	20.83	20.74	20.64	3	21.5
		36	19	20.83	20.67	20.57	3	21.5
		36	39	20.73	20.64	20.57	3	21.5
		75	0	20.82	20.62	20.67	3	21.5
BW	MCS Index	Channel		37800	38000	38200	3GPP MPR	Max. Turn-up
		Frequence (MHz)		2575	2595	2615		
10M	QPSK	1	0	23.71	23.72	23.59	0	24.5
		1	24	23.79	23.60	23.63	0	24.5
		1	49	23.47	23.44	23.36	0	24.5
		25	0	22.92	22.74	22.74	1	23.5
		25	12	22.89	22.68	22.64	1	23.5
		25	25	22.75	22.63	22.67	1	23.5
		50	0	22.89	22.77	22.59	1	23.5
	16QAM	1	0	22.86	22.74	22.68	1	23.5
		1	24	22.93	22.75	22.73	1	23.5
		1	49	22.72	22.51	22.48	1	23.5
		25	0	21.85	21.73	21.76	2	22.5
		25	12	21.89	21.70	21.74	2	22.5
		25	25	21.70	21.71	21.62	2	22.5
		50	0	21.87	21.68	21.73	2	22.5
	64QAM	1	0	21.39	21.39	21.26	2	22.5
		1	24	21.52	21.32	21.31	2	22.5
		1	49	21.28	21.06	21.03	2	22.5
		25	0	20.78	20.68	20.70	3	21.5
		25	12	20.89	20.73	20.55	3	21.5
		25	25	20.70	20.57	20.55	3	21.5
		50	0	20.83	20.64	20.66	3	21.5
BW	MCS Index	Channel		37775	38000	38225	3GPP MPR	Max. Turn-up
		Frequence (MHz)		2572.5	2595	2617.5		
5M	QPSK	1	0	23.74	23.69	23.59	0	24.5
		1	12	23.79	23.60	23.62	0	24.5
		1	24	23.50	23.40	23.40	0	24.5
		12	0	22.91	22.75	22.71	1	23.5
		12	6	22.83	22.74	22.64	1	23.5
		12	13	22.77	22.66	22.68	1	23.5
		25	0	22.84	22.77	22.62	1	23.5
	16QAM	1	0	22.86	22.77	22.72	1	23.5
		1	12	22.88	22.79	22.70	1	23.5
		1	24	22.72	22.50	22.51	1	23.5
		12	0	21.83	21.75	21.70	2	22.5
		12	6	21.85	21.76	21.69	2	22.5
		12	13	21.71	21.70	21.65	2	22.5
		25	0	21.83	21.69	21.69	2	22.5
	64QAM	1	0	21.40	21.38	21.29	2	22.5
		1	12	21.47	21.36	21.27	2	22.5
		1	24	21.22	21.12	21.06	2	22.5
		12	0	20.80	20.71	20.64	3	21.5
		12	6	20.82	20.74	20.61	3	21.5
		12	13	20.71	20.60	20.53	3	21.5
		25	0	20.78	20.68	20.65	3	21.5

LTE Band 41 (2496 ~ 2690MHz) Ant4 PC3

BW	MCS Index	RB Size	RB Offset	Low	Low Mid	Mid	High Mid	High	3GPP MPR (dB)	Max. Turn-up (dBm)
		Channel		39750	40185	40620	41055	41490		
		Frequence (MHz)		2506	2549.5	2593	2636.5	2680		
20M	QPSK	1	0	21.63	21.70	21.83	21.62	21.58	0	22.5
		1	50	**21.69**	**21.81**	**21.91**	**21.65**	**21.62**	0	22.5
		1	99	21.48	21.69	21.59	21.46	21.40	0	22.5
		50	0	**21.69**	**21.87**	**21.89**	**21.75**	**21.73**	1	22.5
		50	25	21.66	21.84	21.85	21.68	21.70	1	22.5
		50	50	21.68	21.78	21.83	21.64	21.62	1	22.5
		100	0	21.67	21.80	**21.84**	21.72	21.67	1	22.5
	16QAM	1	0	21.61	21.67	21.86	21.61	21.56	1	22.5
		1	50	21.68	21.78	21.82	21.59	21.59	1	22.5
		1	99	21.49	21.68	21.59	21.48	21.41	1	22.5
		50	0	20.54	20.66	20.82	20.56	20.58	2	21.5
		50	25	20.56	20.72	20.74	20.53	20.54	2	21.5
		50	50	20.50	20.65	20.67	20.49	20.46	2	21.5
		100	0	20.53	20.63	20.73	20.54	20.49	2	21.5
	64QAM	1	0	19.11	19.16	19.36	19.12	19.06	2	20.5
		1	50	19.15	19.27	19.31	19.10	19.11	2	20.5
		1	99	18.98	19.17	19.08	18.99	18.91	2	20.5
		50	0	18.61	18.79	18.89	18.67	18.69	3	19.5
		50	25	18.66	18.82	18.86	18.63	18.65	3	19.5
		50	50	18.63	18.74	18.78	18.58	18.56	3	19.5
		100	0	18.62	18.75	18.85	18.61	18.63	3	19.5
BW	MCS Index	Channel		39725	40173	40620	41068	41515	3GPP MPR	Max. Turn-up
		Frequence (MHz)		2503.5	2548.3	2593	2637.8	2682.5		
15M	QPSK	1	0	21.47	21.62	21.73	21.53	21.50	0	22.5
		1	37	21.65	21.65	21.89	21.59	21.51	0	22.5
		1	74	21.32	21.61	21.49	21.36	21.35	0	22.5
		36	0	21.63	21.75	21.85	21.66	21.62	1	22.5
		36	19	21.62	21.70	21.75	21.65	21.61	1	22.5
		36	39	21.56	21.62	21.79	21.50	21.47	1	22.5
		75	0	21.65	21.76	21.68	21.70	21.61	1	22.5
	16QAM	1	0	21.47	21.51	21.74	21.51	21.47	1	22.5
		1	37	21.62	21.66	21.78	21.52	21.48	1	22.5
		1	74	21.45	21.54	21.49	21.40	21.32	1	22.5
		36	0	20.42	20.52	20.78	20.48	20.42	2	21.5
		36	19	20.52	20.56	20.72	20.43	20.42	2	21.5
		36	39	20.34	20.57	20.57	20.38	20.36	2	21.5
		75	0	20.49	20.47	20.71	20.51	20.36	2	21.5
	64QAM	1	0	18.95	19.08	19.26	18.98	18.99	2	20.5
		1	37	19.09	19.15	19.27	19.05	18.98	2	20.5
		1	74	18.94	19.03	18.98	18.91	18.76	2	20.5
		36	0	18.49	18.63	18.85	18.60	18.59	3	19.5
		36	19	18.64	18.78	18.70	18.55	18.55	3	19.5
		36	39	18.53	18.58	18.66	18.51	18.47	3	19.5
		75	0	18.60	18.63	18.81	18.58	18.49	3	19.5
BW	MCS Index	Channel		39700	40150	40620	41090	41540	3GPP MPR	Max. Turn-up
		Frequence (MHz)		2501	2547	2593	2639	2685		
10M	QPSK	1	0	21.47	21.62	21.73	21.56	21.47	0	22.5
		1	24	21.65	21.65	21.89	21.59	21.51	0	22.5
		1	49	21.32	21.61	21.49	21.39	21.31	0	22.5
		25	0	21.63	21.75	21.85	21.65	21.63	1	22.5
		25	12	21.62	21.70	21.75	21.59	21.67	1	22.5
		25	25	21.56	21.62	21.79	21.52	21.50	1	22.5
		50	0	21.65	21.76	21.68	21.65	21.61	1	22.5
	16QAM	1	0	21.47	21.51	21.74	21.51	21.50	1	22.5
		1	24	21.62	21.66	21.78	21.47	21.52	1	22.5
		1	49	21.45	21.54	21.49	21.40	21.31	1	22.5
		25	0	20.42	20.52	20.78	20.46	20.44	2	21.5
		25	12	20.52	20.56	20.72	20.39	20.48	2	21.5
		25	25	20.34	20.57	20.57	20.39	20.35	2	21.5
		50	0	20.49	20.47	20.71	20.47	20.37	2	21.5
	64QAM	1	0	18.95	19.08	19.26	18.99	18.98	2	20.5
		1	24	19.09	19.15	19.27	19.00	19.02	2	20.5
		1	49	18.94	19.03	18.98	18.85	18.82	2	20.5
		25	0	18.49	18.63	18.85	18.62	18.62	3	19.5
		25	12	18.64	18.78	18.70	18.48	18.56	3	19.5
		25	25	18.53	18.58	18.66	18.52	18.50	3	19.5
		50	0	18.60	18.63	18.81	18.53	18.53	3	19.5
BW	MCS Index	Channel		39675	40140	40620	41093	41565	3GPP MPR	Max. Turn-up
		Frequence (MHz)		2498.5	2546.5	2593	2640.5	2687.5		
5M	QPSK	1	0	21.50	21.59	21.73	21.55	21.52	0	22.5
		1	12	21.65	21.65	21.88	21.54	21.54	0	22.5
		1	24	21.35	21.57	21.53	21.38	21.32	0	22.5
		12	0	21.62	21.76	21.82	21.62	21.63	1	22.5
		12	6	21.56	21.76	21.75	21.59	21.66	1	22.5
		12	13	21.58	21.65	21.80	21.48	21.54	1	22.5
		25	0	21.60	21.76	21.71	21.67	21.58	1	22.5
	16QAM	1	0	21.47	21.54	21.78	21.50	21.54	1	22.5
		1	12	21.57	21.70	21.75	21.50	21.49	1	22.5
		1	24	21.45	21.53	21.52	21.40	21.31	1	22.5
		12	0	20.40	20.54	20.72	20.46	20.46	2	21.5
		12	6	20.48	20.62	20.67	20.42	20.44	2	21.5
		12	13	20.35	20.56	20.60	20.44	20.33	2	21.5
		25	0	20.45	20.48	20.67	20.47	20.36	2	21.5
	64QAM	1	0	18.96	19.07	19.29	19.05	19.01	2	20.5
		1	12	19.04	19.19	19.23	19.03	18.96	2	20.5
		1	24	18.88	19.09	19.01	18.92	18.77	2	20.5
		12	0	18.51	18.66	18.79	18.61	18.65	3	19.5
		12	6	18.57	18.79	18.76	18.54	18.49	3	19.5
		12	13	18.54	18.61	18.64	18.48	18.51	3	19.5
		25	0	18.55	18.67	18.80	18.57	18.47	3	19.5

LTE Band 41 (2496 ~ 2690MHz) Ant4 PC2

BW	MCS Index	RB Size	RB Offset	Low	Low Mid	Mid	High Mid	High	3GPP MPR (dB)	Max. Turn-up (dBm)
		Channel		39750	40185	40620	41055	41490		
		Frequence (MHz)		2506	2549.5	2593	2636.5	2680		
20M	QPSK	1	0	24.69	24.75	24.85	24.68	24.64	0	25.5
		1	50	**24.72**	**24.84**	**24.96**	**24.69**	**24.68**	0	25.5
		1	99	24.59	24.73	24.63	24.52	24.47	0	25.5
		50	0	**24.76**	**24.88**	**24.91**	**24.77**	**24.75**	1	25.5
		50	25	24.73	24.85	24.89	24.71	24.71	1	25.5
		50	50	24.69	24.84	24.87	24.69	24.62	1	25.5
		100	0	24.73	24.82	**24.89**	24.74	24.68	1	25.5
	16QAM	1	0	24.71	24.77	24.76	24.73	24.62	1	25.5
		1	50	24.77	24.90	24.80	24.71	24.68	1	25.5
		1	99	24.60	24.77	24.68	24.58	24.50	1	25.5
		50	0	23.62	23.74	23.86	24.66	23.65	2	24.5
		50	25	23.67	23.79	23.79	23.61	23.60	2	24.5
		50	50	23.60	23.72	23.84	23.57	23.54	2	24.5
		100	0	23.58	23.69	23.76	23.60	23.57	2	24.5
	64QAM	1	0	22.46	22.54	23.78	22.49	22.41	2	23.5
		1	50	22.52	22.67	22.69	22.47	22.47	2	23.5
		1	99	22.34	22.53	22.67	22.34	22.26	2	23.5
		50	0	21.55	21.70	21.78	21.58	21.57	3	22.5
		50	25	21.58	21.72	21.77	21.53	21.55	3	22.5
		50	50	21.52	21.66	21.68	21.49	21.44	3	22.5
		100	0	21.53	21.67	21.75	21.54	21.51	3	22.5
BW	MCS Index	Channel		39725	40173	40620	41068	41515	3GPP MPR	Max. Turn-up
		Frequence (MHz)		2503.5	2548.3	2593	2637.8	2682.5		
15M	QPSK	1	0	24.64	24.71	24.77	24.64	24.59	0	25.5
		1	37	24.68	24.81	24.90	24.61	24.67	0	25.5
		1	74	24.57	24.72	24.59	24.48	24.42	0	25.5
		36	0	24.70	24.83	24.90	24.71	24.73	1	25.5
		36	19	24.72	24.83	24.84	24.64	24.66	1	25.5
		36	39	24.61	24.77	24.85	24.61	24.60	1	25.5
		75	0	24.72	24.78	24.86	24.72	24.60	1	25.5
	16QAM	1	0	24.68	24.76	24.72	24.65	24.58	1	25.5
		1	37	24.73	24.85	24.78	24.65	24.66	1	25.5
		1	74	24.54	24.75	24.65	24.51	24.45	1	25.5
		36	0	23.60	23.66	23.85	24.58	23.63	2	24.5
		36	19	23.59	23.75	23.74	23.53	23.59	2	24.5
		36	39	23.57	23.66	23.82	23.53	23.49	2	24.5
		75	0	23.57	23.64	23.68	23.52	23.56	2	24.5
	64QAM	1	0	22.40	22.51	23.74	22.45	22.36	2	23.5
		1	37	22.50	22.60	22.64	22.41	22.45	2	23.5
		1	74	22.28	22.45	22.65	22.27	22.21	2	23.5
		36	0	21.54	21.68	21.70	21.50	21.55	3	22.5
		36	19	21.51	21.64	21.71	21.51	21.47	3	22.5
		36	39	21.50	21.65	21.64	21.41	21.38	3	22.5
		75	0	21.51	21.59	21.74	21.48	21.49	3	22.5
BW	MCS Index	Channel		39700	40150	40620	41090	41540	3GPP MPR	Max. Turn-up
		Frequence (MHz)		2501	2547	2593	2639	2685		
10M	QPSK	1	0	24.57	24.71	24.80	24.60	24.54	0	25.5
		1	24	24.70	24.76	24.95	24.53	24.66	0	25.5
		1	49	24.51	24.69	24.58	24.44	24.37	0	25.5
		25	0	24.73	24.82	24.89	24.65	24.71	1	25.5
		25	12	24.71	24.78	24.84	24.57	24.61	1	25.5
		25	25	24.63	24.76	24.85	24.53	24.58	1	25.5
		50	0	24.72	24.80	24.81	24.70	24.52	1	25.5
	16QAM	1	0	24.64	24.69	24.72	24.57	24.50	1	25.5
		1	24	24.74	24.84	24.78	24.59	24.64	1	25.5
		1	49	24.58	24.70	24.63	24.44	24.40	1	25.5
		25	0	23.56	23.66	23.84	24.50	23.61	2	24.5
		25	12	23.65	23.71	23.78	23.45	23.58	2	24.5
		25	25	23.52	23.68	23.79	23.49	23.44	2	24.5
		50	0	23.58	23.61	23.75	23.44	23.55	2	24.5
	64QAM	1	0	22.39	22.50	23.73	22.41	22.31	2	23.5
		1	24	22.49	22.61	22.67	22.35	22.43	2	23.5
		1	49	22.32	22.46	22.62	22.20	22.16	2	23.5
		25	0	21.49	21.62	21.76	21.42	21.53	3	22.5
		25	12	21.57	21.70	21.69	21.49	21.39	3	22.5
		25	25	21.47	21.58	21.62	21.33	21.32	3	22.5
		50	0	21.52	21.61	21.73	21.42	21.47	3	22.5
BW	MCS Index	Channel		39675	40140	40620	41093	41565	3GPP MPR	Max. Turn-up
		Frequence (MHz)		2498.5	2546.5	2593	2640.5	2687.5		
5M	QPSK	1	0	24.60	24.68	24.80	24.57	24.54	0	25.5
		1	12	24.70	24.76	24.94	24.53	24.65	0	25.5
		1	24	24.54	24.65	24.62	24.40	24.41	0	25.5
		12	0	24.72	24.83	24.86	24.66	24.68	1	25.5
		12	6	24.65	24.84	24.84	24.63	24.61	1	25.5
		12	13	24.65	24.79	24.86	24.56	24.59	1	25.5
		25	0	24.67	24.80	24.84	24.70	24.55	1	25.5
	16QAM	1	0	24.64	24.72	24.76	24.60	24.54	1	25.5
		1	12	24.69	24.88	24.75	24.63	24.61	1	25.5
		1	24	24.58	24.69	24.66	24.43	24.43	1	25.5
		12	0	23.54	23.68	23.78	24.52	23.55	2	24.5
		12	6	23.61	23.77	23.73	23.51	23.53	2	24.5
		12	13	23.53	23.67	23.82	23.48	23.47	2	24.5
		25	0	23.52	23.62	23.71	23.46	23.51	2	24.5
	64QAM	1	0	22.39	22.49	23.76	22.40	22.34	2	23.5
		1	12	22.44	22.65	22.63	22.39	22.39	2	23.5
		1	24	22.26	22.52	22.65	22.26	22.19	2	23.5
		12	0	21.51	21.65	21.70	21.45	21.47	3	22.5
		12	6	21.56	21.71	21.75	21.54	21.45	3	22.5
		12	13	21.48	21.61	21.60	21.36	21.30	3	22.5
		25	0	21.47	21.65	21.72	21.46	21.46	3	22.5

LTE Band 42 Part27Q Ant2

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		42190	42590	42990		
		Frequence (MHz)		3460	3500	3540		
20M	QPSK	1	0	20.98	20.92	20.88	0	22.5
		1	50	**21.10**	**21.01**	**20.94**	0	22.5
		1	99	21.06	20.99	20.91	0	22.5
		50	0	19.99	19.96	19.97	1	21.5
		50	25	**20.18**	**20.05**	**20.02**	1	21.5
		50	50	20.01	19.94	19.95	1	21.5
		100	0	**19.97**	19.95	19.92	1	21.5
	16QAM	1	0	19.95	19.94	19.79	1	21.5
		1	50	20.09	20.22	20.12	1	21.5
		1	99	20.02	20.21	19.98	1	21.5
		50	0	19.09	18.94	18.94	2	20.5
		50	25	19.23	19.11	18.90	2	20.5
		50	50	18.98	18.96	18.89	2	20.5
		100	0	19.02	18.95	18.92	2	20.5
	64QAM	1	0	19.01	18.85	18.82	2	20.5
		1	50	18.92	18.80	18.87	2	20.5
		1	99	18.89	18.86	18.79	2	20.5
		50	0	17.88	17.86	17.78	3	19.5
		50	25	18.12	18.08	17.99	3	19.5
		50	50	18.01	17.88	17.85	3	19.5
		100	0	17.98	17.94	17.86	3	19.5
BW	MCS Index	Channel		42165	42590	43015	3GPP MPR	Max. Tune-up
		Frequence (MHz)		3457.5	3500	3542.5		
15M	QPSK	1	0	20.97	20.88	20.80	0	22.5
		1	37	21.06	20.98	20.88	0	22.5
		1	74	21.04	20.98	20.87	0	22.5
		36	0	19.93	19.91	19.96	1	21.5
		36	19	20.17	20.03	19.97	1	21.5
		36	39	19.93	19.87	19.93	1	21.5
		75	0	19.96	19.91	19.89	1	21.5
	16QAM	1	0	19.92	19.93	19.73	1	21.5
		1	37	20.05	20.17	20.10	1	21.5
		1	74	19.96	20.19	19.95	1	21.5
		36	0	19.07	18.86	18.93	2	20.5
		36	19	19.15	19.07	18.85	2	20.5
		36	39	18.95	18.90	18.87	2	20.5
		75	0	19.01	18.90	18.84	2	20.5
	64QAM	1	0	18.95	18.82	18.78	2	20.5
		1	37	18.90	18.73	18.82	2	20.5
		1	74	18.83	18.78	18.77	2	20.5
		36	0	17.87	17.84	17.70	3	19.5
		36	19	18.05	18.00	17.93	3	19.5
		36	39	17.99	17.87	17.81	3	19.5
		75	0	17.96	17.86	17.85	3	19.5
BW	MCS Index	Channel		42140	42590	43040	3GPP MPR	Max. Tune-up
		Frequence (MHz)		3455	3500	3545		
10M	QPSK	1	0	20.90	20.88	20.83	0	22.5
		1	24	21.08	20.93	20.93	0	22.5
		1	49	20.98	20.95	20.86	0	22.5
		25	0	19.96	19.90	19.95	1	21.5
		25	12	20.16	19.98	19.97	1	21.5
		25	25	19.95	19.86	19.93	1	21.5
		50	0	19.96	19.93	19.84	1	21.5
	16QAM	1	0	19.88	19.86	19.73	1	21.5
		1	24	20.06	20.16	20.10	1	21.5
		1	49	20.00	20.14	19.93	1	21.5
		25	0	19.03	18.86	18.92	2	20.5
		25	12	19.21	19.03	18.89	2	20.5
		25	25	18.90	18.92	18.84	2	20.5
		50	0	19.00	18.87	18.91	2	20.5
	64QAM	1	0	18.93	18.81	18.77	2	20.5
		1	24	18.89	18.74	18.85	2	20.5
		1	49	18.87	18.79	18.74	2	20.5
		25	0	17.82	17.78	17.76	3	19.5
		25	12	18.11	18.06	17.91	3	19.5
		25	25	17.96	17.80	17.79	3	19.5
		50	0	17.97	17.88	17.84	3	19.5
BW	MCS Index	Channel		42115	42590	43065	3GPP MPR	Max. Tune-up
		Frequence (MHz)		3452.5	3500	3547.5		
5M	QPSK	1	0	20.93	20.85	20.83	0	22.5
		1	12	21.08	20.93	20.92	0	22.5
		1	24	21.01	20.91	20.90	0	22.5
		12	0	19.95	19.91	19.92	1	21.5
		12	6	20.10	20.04	19.97	1	21.5
		12	13	19.97	19.89	19.94	1	21.5
		25	0	19.91	19.93	19.87	1	21.5
	16QAM	1	0	19.88	19.89	19.77	1	21.5
		1	12	20.01	20.20	20.07	1	21.5
		1	24	20.00	20.13	19.96	1	21.5
		12	0	19.01	18.88	18.86	2	20.5
		12	6	19.17	19.09	18.84	2	20.5
		12	13	18.91	18.91	18.87	2	20.5
		25	0	18.96	18.88	18.87	2	20.5
	64QAM	1	0	18.94	18.80	18.80	2	20.5
		1	12	18.84	18.78	18.81	2	20.5
		1	24	18.81	18.85	18.77	2	20.5
		12	0	17.84	17.81	17.70	3	19.5
		12	6	18.04	18.07	17.97	3	19.5
		12	13	17.97	17.83	17.77	3	19.5
		25	0	17.92	17.92	17.83	3	19.5

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BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		43190	43340	43490		
		Frequence (MHz)		3560	3575	3590		
20M	QPSK	1	0	21.25	21.28	21.35	0	22.5
		1	50	**21.40**	**21.44**	**21.48**	0	22.5
		1	99	21.39	21.37	21.39	0	22.5
		50	0	20.35	20.43	20.45	1	21.5
		50	25	**20.44**	**20.47**	**20.48**	1	21.5
		50	50	20.40	20.45	20.46	1	21.5
		100	0	20.37	20.41	**20.53**	1	21.5
	16QAM	1	0	20.25	20.12	20.14	1	21.5
		1	50	20.33	20.24	20.23	1	21.5
		1	99	20.29	20.14	20.13	1	21.5
		50	0	19.35	19.39	19.33	2	20.5
		50	25	19.43	19.45	19.42	2	20.5
		50	50	19.32	19.46	19.44	2	20.5
		100	0	19.36	19.41	19.43	2	20.5
	64QAM	1	0	19.12	19.19	19.32	2	20.5
		1	50	19.40	19.31	19.38	2	20.5
		1	99	19.29	19.39	19.36	2	20.5
		50	0	18.35	18.34	18.39	3	19.5
		50	25	18.37	18.40	18.45	3	19.5
		50	50	18.27	18.35	18.41	3	19.5
		100	0	18.33	18.39	18.42	3	19.5
BW	MCS Index	Channel		43165	43340	43515	3GPP MPR	Max. Tune-up
		Frequence (MHz)		3557.5	3575	3592.5		
15M	QPSK	1	0	21.20	21.21	21.30	0	22.5
		1	37	21.38	21.36	21.46	0	22.5
		1	74	21.34	21.29	21.38	0	22.5
		36	0	20.31	20.38	20.40	1	21.5
		36	19	20.36	20.46	20.43	1	21.5
		36	39	20.36	20.40	20.45	1	21.5
		75	0	20.31	20.39	20.48	1	21.5
	16QAM	1	0	20.18	20.07	20.12	1	21.5
		1	37	20.25	20.22	20.18	1	21.5
		1	74	20.27	20.06	20.11	1	21.5
		36	0	19.27	19.33	19.25	2	20.5
		36	19	19.37	19.43	19.36	2	20.5
		36	39	19.25	19.41	19.42	2	20.5
		75	0	19.30	19.34	19.38	2	20.5
	64QAM	1	0	19.05	19.14	19.30	2	20.5
		1	37	19.32	19.29	19.32	2	20.5
		1	74	19.21	19.38	19.34	2	20.5
		36	0	18.31	18.29	18.31	3	19.5
		36	19	18.29	18.39	18.43	3	19.5
		36	39	18.23	18.30	18.33	3	19.5
		75	0	18.27	18.37	18.39	3	19.5
BW	MCS Index	Channel		43140	43340	43540	3GPP MPR	Max. Tune-up
		Frequence (MHz)		3555	3575	3595		
10M	QPSK	1	0	21.19	21.17	21.22	0	22.5
		1	24	21.34	21.33	21.40	0	22.5
		1	49	21.32	21.28	21.34	0	22.5
		25	0	20.25	20.33	20.39	1	21.5
		25	12	20.35	20.44	20.38	1	21.5
		25	25	20.28	20.33	20.43	1	21.5
		50	0	20.30	20.35	20.45	1	21.5
	16QAM	1	0	20.15	20.06	20.06	1	21.5
		1	24	20.21	20.17	20.16	1	21.5
		1	49	20.21	20.04	20.08	1	21.5
		25	0	19.25	19.25	19.24	2	20.5
		25	12	19.29	19.39	19.31	2	20.5
		25	25	19.22	19.35	19.40	2	20.5
		50	0	19.29	19.29	19.30	2	20.5
	64QAM	1	0	18.99	19.11	19.26	2	20.5
		1	24	19.30	19.22	19.27	2	20.5
		1	49	19.15	19.30	19.32	2	20.5
		25	0	18.30	18.27	18.23	3	19.5
		25	12	18.22	18.31	18.37	3	19.5
		25	25	18.21	18.29	18.29	3	19.5
		50	0	18.25	18.29	18.38	3	19.5
BW	MCS Index	Channel		43115	43340	43565	3GPP MPR	Max. Tune-up
		Frequence (MHz)		3552.5	3575	3597.5		
5M	QPSK	1	0	21.12	21.17	21.25	0	22.5
		1	12	21.36	21.28	21.45	0	22.5
		1	24	21.26	21.25	21.33	0	22.5
		12	0	20.28	20.32	20.38	1	21.5
		12	6	20.34	20.39	20.38	1	21.5
		12	13	20.30	20.32	20.43	1	21.5
		25	0	20.30	20.37	20.40	1	21.5
	16QAM	1	0	20.11	19.99	20.06	1	21.5
		1	12	20.22	20.16	20.16	1	21.5
		1	24	20.25	19.99	20.06	1	21.5
		12	0	19.21	19.25	19.23	2	20.5
		12	6	19.35	19.35	19.35	2	20.5
		12	13	19.17	19.37	19.37	2	20.5
		25	0	19.28	19.26	19.37	2	20.5
	64QAM	1	0	18.97	19.10	19.25	2	20.5
		1	12	19.29	19.23	19.30	2	20.5
		1	24	19.19	19.31	19.29	2	20.5
		12	0	18.25	18.21	18.29	3	19.5
		12	6	18.28	18.37	18.35	3	19.5
		12	13	18.18	18.22	18.27	3	19.5
		25	0	18.26	18.31	18.37	3	19.5

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BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		43690	44090	44490		
		Frequence (MHz)		3610	3650	3690		
20M	QPSK	1	0	21.21	21.30	20.93	0	22.5
		1	50	**21.55**	**21.65**	**21.58**	0	22.5
		1	99	21.16	21.27	20.82	0	22.5
		50	0	20.23	20.43	20.19	1	21.5
		50	25	**21.01**	**21.07**	**21.01**	1	21.5
		50	50	20.17	20.41	20.34	1	21.5
		100	0	20.34	**20.43**	20.29	1	21.5
	16QAM	1	0	20.20	20.27	19.67	1	21.5
		1	50	20.16	20.19	19.69	1	21.5
		1	99	20.22	19.89	19.54	1	21.5
		50	0	19.45	19.49	19.22	2	20.5
		50	25	19.43	19.38	19.19	2	20.5
		50	50	19.41	19.34	19.16	2	20.5
		100	0	19.42	19.41	19.28	2	20.5
	64QAM	1	0	19.35	19.34	19.25	2	20.5
		1	50	19.41	19.28	19.19	2	20.5
		1	99	19.42	19.36	18.97	2	20.5
		50	0	19.20	19.23	19.16	3	19.5
		50	25	18.39	19.37	19.27	3	19.5
		50	50	18.41	18.44	17.98	3	19.5
		100	0	18.39	18.35	18.32	3	19.5
BW	MCS Index	Channel		43665	44090	44515	3GPP MPR	Max. Tune-up
		Frequence (MHz)		3607.5	3650	3692.5		
15M	QPSK	1	0	21.20	21.26	20.85	0	22.5
		1	37	21.21	21.32	20.92	0	22.5
		1	74	21.14	21.26	20.78	0	22.5
		36	0	20.17	20.38	20.18	1	21.5
		36	19	21.00	21.05	20.96	1	21.5
		36	39	20.09	20.34	20.32	1	21.5
		75	0	20.33	20.39	20.26	1	21.5
	16QAM	1	0	20.17	20.26	19.61	1	21.5
		1	37	20.12	20.14	19.67	1	21.5
		1	74	20.16	19.87	19.51	1	21.5
		36	0	19.43	19.41	19.21	2	20.5
		36	19	19.35	19.34	19.14	2	20.5
		36	39	19.38	19.28	19.14	2	20.5
		75	0	19.41	19.36	19.20	2	20.5
	64QAM	1	0	19.29	19.31	19.21	2	20.5
		1	37	19.39	19.21	19.14	2	20.5
		1	74	19.36	19.28	18.95	2	20.5
		36	0	19.19	19.21	19.08	3	19.5
		36	19	18.32	19.29	19.21	3	19.5
		36	39	18.39	18.43	17.94	3	19.5
		75	0	18.37	18.27	18.31	3	19.5
BW	MCS Index	Channel		43640	44090	44540	3GPP MPR	Max. Tune-up
		Frequence (MHz)		3605	3650	3695		
10M	QPSK	1	0	21.13	21.26	20.88	0	22.5
		1	24	21.23	21.27	20.97	0	22.5
		1	49	21.08	21.23	20.77	0	22.5
		25	0	20.20	20.37	20.17	1	21.5
		25	12	20.99	21.00	20.96	1	21.5
		25	25	20.11	20.33	20.32	1	21.5
		50	0	20.33	20.41	20.21	1	21.5
	16QAM	1	0	20.13	20.19	19.61	1	21.5
		1	24	20.13	20.13	19.67	1	21.5
		1	49	20.20	19.82	19.49	1	21.5
		25	0	19.39	19.41	19.20	2	20.5
		25	12	19.41	19.30	19.18	2	20.5
		25	25	19.33	19.30	19.11	2	20.5
		50	0	19.40	19.33	19.27	2	20.5
	64QAM	1	0	19.27	19.30	19.20	2	20.5
		1	24	19.38	19.22	19.17	2	20.5
		1	49	19.40	19.29	18.92	2	20.5
		25	0	19.14	19.15	19.14	3	19.5
		25	12	18.38	19.35	19.19	3	19.5
		25	25	18.36	18.36	17.92	3	19.5
		50	0	18.38	18.29	18.30	3	19.5
BW	MCS Index	Channel		43615	44090	44565	3GPP MPR	Max. Tune-up
		Frequence (MHz)		3602.5	3650	3697.5		
5M	QPSK	1	0	21.16	21.23	20.88	0	22.5
		1	12	21.23	21.27	20.96	0	22.5
		1	24	21.11	21.19	20.81	0	22.5
		12	0	20.19	20.38	20.14	1	21.5
		12	6	20.93	21.06	20.96	1	21.5
		12	13	20.13	20.36	20.33	1	21.5
		25	0	20.28	20.41	20.24	1	21.5
	16QAM	1	0	20.13	20.22	19.65	1	21.5
		1	12	20.08	20.17	19.64	1	21.5
		1	24	20.20	19.81	19.52	1	21.5
		12	0	19.37	19.43	19.14	2	20.5
		12	6	19.37	19.36	19.13	2	20.5
		12	13	19.34	19.29	19.14	2	20.5
		25	0	19.36	19.34	19.23	2	20.5
	64QAM	1	0	19.28	19.29	19.23	2	20.5
		1	12	19.33	19.26	19.13	2	20.5
		1	24	19.34	19.35	18.95	2	20.5
		12	0	19.16	19.18	19.08	3	19.5
		12	6	18.31	19.36	19.25	3	19.5
		12	13	18.37	18.39	17.90	3	19.5
		25	0	18.33	18.33	18.29	3	19.5

LTE Band 48 for FCC SAR Ant6

BW	MCS Index	RB Size	RB Offset	Low	Low Mid	High Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		55340	55830	56150	56640		
		Frequence (MHz)		3560	3609	3641	3690		
20M	QPSK	1	0	21.15	21.64	22.24	22.31	0	23
		1	50	**21.26**	**22.03**	**22.45**	**22.35**	0	23
		1	99	21.19	21.98	22.42	22.06	0	23
		50	0	20.18	20.76	21.41	21.33	1	22
		50	25	**20.19**	**20.89**	**21.47**	**21.39**	1	22
		50	50	20.17	20.84	21.43	21.23	1	22
		100	0	20.19	20.87	**21.37**	21.34	1	22
	16QAM	1	0	20.24	20.47	21.43	21.08	1	22
		1	50	20.31	20.76	21.33	21.07	1	22
		1	99	20.30	21.17	21.60	20.87	1	22
		50	0	19.15	19.73	20.36	20.41	2	21
		50	25	19.13	19.89	20.47	20.30	2	21
		50	50	19.17	19.92	20.42	20.17	2	21
		100	0	19.15	19.84	20.40	20.34	2	21
	64QAM	1	0	19.26	19.29	19.93	20.09	2	21
		1	50	19.37	19.57	20.11	19.85	2	21
		1	99	19.32	20.06	20.04	19.83	2	21
		50	0	18.14	18.61	19.24	19.37	3	20
		50	25	18.12	18.77	19.42	19.33	3	20
		50	50	18.18	18.79	19.35	19.21	3	20
		100	0	18.17	18.78	19.33	19.29	3	20
BW	MCS Index	Channel		55315	55820	56160	56665	3GPP MPR	Max. Tune-up
		Frequence (MHz)		3557.5	3608	3642	3692.5		
15M	QPSK	1	0	21.07	21.60	22.19	22.24	0	23
		1	37	21.24	21.95	22.44	22.27	0	23
		1	74	21.11	21.94	22.37	21.98	0	23
		36	0	20.15	20.70	21.39	21.28	1	22
		36	19	20.17	20.82	21.42	21.38	1	22
		36	39	20.11	20.76	21.41	21.18	1	22
		75	0	20.18	20.85	21.29	21.32	1	22
	16QAM	1	0	20.17	20.39	21.37	21.03	1	22
		1	37	20.28	20.70	21.31	21.05	1	22
		1	74	20.28	21.10	21.55	20.79	1	22
		36	0	19.09	19.65	20.34	20.35	2	21
		36	19	19.11	19.81	20.46	20.28	2	21
		36	39	19.09	19.88	20.37	20.12	2	21
		75	0	19.13	19.76	20.39	20.27	2	21
	64QAM	1	0	19.18	19.25	19.88	20.04	2	21
		1	37	19.34	19.51	20.09	19.83	2	21
		1	74	19.32	19.99	19.99	19.82	2	21
		36	0	18.08	18.53	19.22	19.32	3	20
		36	19	18.11	18.75	19.34	19.32	3	20
		36	39	18.13	18.71	19.24	19.16	3	20
		75	0	18.16	18.72	19.31	19.27	3	20
BW	MCS Index	Channel		55290	55815	56165	56690	3GPP MPR	Max. Tune-up
		Frequence (MHz)		3555	3607.5	3642.5	3695		
10M	QPSK	1	0	21.10	21.57	22.19	22.17	0	23
		1	24	21.24	21.95	22.43	22.19	0	23
		1	49	21.14	21.90	22.41	21.90	0	23
		25	0	20.14	20.71	21.36	21.23	1	22
		25	12	20.11	20.88	21.42	21.37	1	22
		25	25	20.13	20.79	21.42	21.13	1	22
		50	0	20.13	20.85	21.32	21.30	1	22
	16QAM	1	0	20.17	20.42	21.41	20.98	1	22
		1	24	20.23	20.74	21.28	21.03	1	22
		1	49	20.28	21.09	21.58	20.71	1	22
		25	0	19.07	19.67	20.28	20.29	2	21
		25	12	19.07	19.87	20.41	20.26	2	21
		25	25	19.10	19.87	20.40	20.07	2	21
		50	0	19.09	19.77	20.35	20.20	2	21
	64QAM	1	0	19.19	19.24	19.91	19.99	2	21
		1	24	19.29	19.55	20.05	19.81	2	21
		1	49	19.28	20.05	20.02	19.81	2	21
		25	0	18.10	18.56	19.16	19.27	3	20
		25	12	18.04	18.76	19.40	19.31	3	20
		25	25	18.14	18.74	19.22	19.11	3	20
		50	0	18.11	18.76	19.30	19.25	3	20
BW	MCS Index	Channel		55265	55810	56170	56715	3GPP MPR	Max. Tune-up
		Frequence (MHz)		3552.5	3607	3643	3697.5		
5M	QPSK	1	0	21.02	21.53	22.14	22.10	0	23
		1	12	21.22	21.87	22.42	22.11	0	23
		1	24	21.06	21.86	22.36	21.82	0	23
		12	0	20.11	20.65	21.34	21.18	1	22
		12	6	20.09	20.81	21.37	21.36	1	22
		12	13	20.07	20.71	21.40	21.08	1	22
		25	0	20.12	20.83	21.24	21.28	1	22
	16QAM	1	0	20.10	20.34	21.35	20.93	1	22
		1	12	20.20	20.68	21.26	21.01	1	22
		1	24	20.26	21.02	21.53	20.63	1	22
		12	0	19.01	19.59	20.26	20.23	2	21
		12	6	19.05	19.79	20.40	20.24	2	21
		12	13	19.02	19.83	20.35	20.02	2	21
		25	0	19.07	19.69	20.34	20.13	2	21
	64QAM	1	0	19.11	19.20	19.98	19.94	2	21
		1	12	19.26	19.49	20.03	19.79	2	21
		1	24	19.34	19.98	19.97	19.80	2	21
		12	0	18.04	18.48	19.14	19.22	3	20
		12	6	18.03	18.74	19.32	19.30	3	20
		12	13	18.09	18.66	19.16	19.06	3	20
		25	0	18.10	18.70	19.28	19.23	3	20

LTE Band 66 Ant4

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		132072	132322	132572		
		Frequence (MHz)		1720	1745	1770		
20M	QPSK	1	0	22.63	22.62	22.66	0	23.5
		1	50	**22.71**	**22.66**	**22.73**	0	23.5
		1	99	22.60	22.61	22.70	0	23.5
		50	0	21.65	21.66	21.71	1	22.5
		50	25	**21.66**	**21.69**	**21.72**	1	22.5
		50	50	21.61	21.56	21.67	1	22.5
		100	0	21.58	21.59	**21.63**	1	22.5
	16QAM	1	0	21.84	21.87	21.65	1	22.5
		1	50	21.92	21.84	21.73	1	22.5
		1	99	21.83	21.72	21.64	1	22.5
		50	0	20.58	20.67	20.80	2	21.5
		50	25	20.64	20.66	20.68	2	21.5
		50	50	20.56	20.60	20.61	2	21.5
		100	0	20.59	20.67	20.63	2	21.5
	64QAM	1	0	21.62	21.63	21.66	2	22.5
		1	50	21.69	21.59	21.68	2	22.5
		1	99	21.64	21.53	21.64	2	22.5
		50	0	20.68	19.68	20.69	3	21
		50	25	19.67	19.63	19.72	3	21
		50	50	20.62	19.55	19.58	3	21
		100	0	19.67	19.54	19.61	3	21
BW	MCS Index	Channel		132047	132322	132597	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1717.5	1745	1772.5		
15M	QPSK	1	0	22.62	22.58	22.58	0	23.5
		1	37	22.67	22.63	22.67	0	23.5
		1	74	22.58	22.60	22.66	0	23.5
		36	0	21.59	21.61	21.70	1	22.5
		36	19	21.65	21.67	21.67	1	22.5
		36	39	21.53	21.49	21.65	1	22.5
		75	0	21.57	21.55	21.60	1	22.5
	16QAM	1	0	21.81	21.86	21.59	1	22.5
		1	37	21.88	21.79	21.71	1	22.5
		1	74	21.77	21.70	21.61	1	22.5
		36	0	20.56	20.59	20.79	2	21.5
		36	19	20.56	20.62	20.63	2	21.5
		36	39	20.53	20.54	20.59	2	21.5
		75	0	20.58	20.62	20.55	2	21.5
	64QAM	1	0	21.56	21.60	21.62	2	22.5
		1	37	21.67	21.52	21.63	2	22.5
		1	74	21.58	21.45	21.62	2	22.5
		36	0	20.67	19.66	20.61	3	21
		36	19	19.60	19.55	19.66	3	21
		36	39	20.60	19.54	19.54	3	21
		75	0	19.65	19.46	19.60	3	21
BW	MCS Index	Channel		132022	132322	132622	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1715	1745	1775		
10M	QPSK	1	0	22.55	22.58	22.61	0	23.5
		1	24	22.69	22.58	22.72	0	23.5
		1	49	22.52	22.57	22.65	0	23.5
		25	0	21.62	21.60	21.69	1	22.5
		25	12	21.64	21.62	21.67	1	22.5
		25	25	21.55	21.48	21.65	1	22.5
		50	0	21.57	21.57	21.55	1	22.5
	16QAM	1	0	21.77	21.79	21.59	1	22.5
		1	24	21.89	21.78	21.71	1	22.5
		1	49	21.81	21.65	21.59	1	22.5
		25	0	20.52	20.59	20.78	2	21.5
		25	12	20.62	20.58	20.67	2	21.5
		25	25	20.48	20.56	20.56	2	21.5
		50	0	20.57	20.59	20.62	2	21.5
	64QAM	1	0	21.54	21.59	21.61	2	22.5
		1	24	21.66	21.53	21.66	2	22.5
		1	49	21.62	21.46	21.59	2	22.5
		25	0	20.62	19.60	20.67	3	21
		25	12	19.66	19.61	19.64	3	21
		25	25	20.57	19.47	19.52	3	21
		50	0	19.66	19.48	19.59	3	21
BW	MCS Index	Channel		131997	132322	132647	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1712.5	1745	1777.5		
5M	QPSK	1	0	22.58	22.55	22.61	0	23.5
		1	12	22.69	22.58	22.71	0	23.5
		1	24	22.55	22.53	22.69	0	23.5
		12	0	21.61	21.61	21.66	1	22.5
		12	6	21.58	21.68	21.67	1	22.5
		12	13	21.57	21.57	21.66	1	22.5
		25	0	21.52	21.57	21.58	1	22.5
	16QAM	1	0	21.77	21.82	21.63	1	22.5
		1	12	21.84	21.82	21.68	1	22.5
		1	24	21.81	21.64	21.62	1	22.5
		12	0	20.50	20.61	20.72	2	21.5
		12	6	20.58	20.64	20.62	2	21.5
		12	13	20.49	20.55	20.59	2	21.5
		25	0	20.53	20.60	20.58	2	21.5
	64QAM	1	0	21.55	21.58	21.64	2	22.5
		1	12	21.61	21.57	21.62	2	22.5
		1	24	21.56	21.52	21.62	2	22.5
		12	0	20.64	19.63	20.61	3	21
		12	6	19.59	19.62	19.70	3	21
		12	13	20.58	19.50	19.50	3	21
		25	0	19.61	19.52	19.58	3	21
BW	MCS Index	Channel		131987	132322	132657	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1711.5	1745	1778.5		
3M	QPSK	1	0	22.57	22.60	22.60	0	23.5
		1	7	22.64	22.61	22.71	0	23.5
		1	14	22.54	22.54	22.65	0	23.5
		8	0	21.58	21.61	21.69	1	22.5
		8	3	21.58	21.67	21.66	1	22.5
		8	7	21.53	21.55	21.65	1	22.5
		15	0	21.54	21.54	21.55	1	22.5
	16QAM	1	0	21.76	21.86	21.63	1	22.5
		1	7	21.87	21.79	21.69	1	22.5
		1	14	21.81	21.64	21.63	1	22.5
		8	0	20.50	20.63	20.75	2	21.5
		8	3	20.61	20.60	20.66	2	21.5
		8	7	20.54	20.53	20.56	2	21.5
		15	0	20.53	20.59	20.61	2	21.5
	64QAM	1	0	21.61	21.61	21.58	2	22.5
		1	7	21.64	21.51	21.62	2	22.5
		1	14	21.63	21.47	21.62	2	22.5
		8	0	20.63	19.66	20.62	3	21
		8	3	19.65	19.55	19.71	3	21
		8	7	20.54	19.51	19.53	3	21
		15	0	19.65	19.46	19.60	3	21
BW	MCS Index	Channel		131979	132322	132665	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1710.7	1745	1779.3		
1.4M	QPSK	1	0	22.55	22.58	22.61	0	23.5
		1	2	22.68	22.60	22.71	0	23.5
		1	5	22.58	22.54	22.65	0	23.5
		3	0	22.59	22.58	22.69	0	23.5
		3	1	22.65	22.67	22.64	0	23.5
		3	3	22.56	22.48	22.61	0	23.5
		6	0	21.57	21.53	21.61	1	22.5
	16QAM	1	0	21.79	21.80	21.60	1	22.5
		1	2	21.90	21.76	21.71	1	22.5
		1	5	21.78	21.64	21.63	1	22.5
		3	0	21.54	21.62	21.75	1	22.5
		3	1	21.56	21.65	21.63	1	22.5
		3	3	21.52	21.55	21.60	1	22.5
		6	0	20.53	20.65	20.58	2	21.5
	64QAM	1	0	21.55	21.58	21.64	2	22.5
		1	2	21.61	21.57	21.63	2	22.5
		1	5	21.62	21.45	21.62	2	22.5
		3	0	21.60	21.62	21.61	2	22.5
		3	1	21.61	21.61	21.66	2	22.5
		3	3	21.57	21.47	21.57	2	22.5
		6	0	19.63	19.49	19.56	3	21

LTE Band 71 Ant0

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		133222	133322	133372		
		Frequence (MHz)		673	683	688		
20M	QPSK	1	0	**23.52**	23.51	23.42	0	24.5
		1	50	**23.52**	**23.53**	**23.55**	0	24.5
		1	99	23.38	23.47	23.52	0	24.5
		50	0	22.49	22.52	22.55	1	23.5
		50	25	**22.56**	**22.57**	**22.59**	1	23.5
		50	50	22.47	22.56	22.56	1	23.5
		100	0	22.50	22.51	**22.58**	1	23.5
	16QAM	1	0	22.69	22.66	22.73	1	23.5
		1	50	22.78	22.77	22.79	1	23.5
		1	99	22.55	22.64	22.75	1	23.5
		50	0	21.48	21.56	21.57	2	22.5
		50	25	21.53	21.53	21.51	2	22.5
		50	50	21.43	21.48	21.54	2	22.5
		100	0	21.44	21.49	21.52	2	22.5
	64QAM	1	0	21.66	21.61	21.57	2	22.5
		1	50	21.63	21.67	21.64	2	22.5
		1	99	21.50	21.60	21.59	2	22.5
		50	0	20.53	20.58	20.57	3	21.5
		50	25	20.58	20.57	20.53	3	21.5
		50	50	20.51	20.48	20.51	3	21.5
		100	0	20.50	20.55	20.54	3	21.5
BW	MCS Index	Channel		133197	133297	133397	3GPP MPR	Max. Tune-up
		Frequence (MHz)		670.5	680.5	690.5		
15M	QPSK	1	0	23.44	23.47	23.37	0	24.5
		1	37	23.50	23.45	23.54	0	24.5
		1	74	23.30	23.43	23.47	0	24.5
		36	0	22.46	22.46	22.53	1	23.5
		36	19	22.54	22.50	22.54	1	23.5
		36	39	22.41	22.48	22.54	1	23.5
		75	0	22.49	22.49	22.50	1	23.5
	16QAM	1	0	22.62	22.58	22.67	1	23.5
		1	37	22.75	22.71	22.77	1	23.5
		1	74	22.53	22.57	22.70	1	23.5
		36	0	21.42	21.48	21.55	2	22.5
		36	19	21.51	21.45	21.50	2	22.5
		36	39	21.35	21.44	21.49	2	22.5
		75	0	21.42	21.41	21.51	2	22.5
	64QAM	1	0	21.58	21.57	21.52	2	22.5
		1	37	21.60	21.61	21.62	2	22.5
		1	74	21.48	21.53	21.54	2	22.5
		36	0	20.47	20.50	20.55	3	21.5
		36	19	20.57	20.55	20.45	3	21.5
		36	39	20.46	20.40	20.45	3	21.5
		75	0	20.49	20.49	20.52	3	21.5
BW	MCS Index	Channel		133172	133297	133422	3GPP MPR	Max. Tune-up
		Frequence (MHz)		668	680.5	693		
10M	QPSK	1	0	23.47	23.44	23.37	0	24.5
		1	24	23.50	23.45	23.53	0	24.5
		1	49	23.33	23.39	23.51	0	24.5
		25	0	22.45	22.47	22.50	1	23.5
		25	12	22.48	22.56	22.54	1	23.5
		25	25	22.43	22.51	22.56	1	23.5
		50	0	22.44	22.49	22.53	1	23.5
	16QAM	1	0	22.62	22.61	22.71	1	23.5
		1	24	22.70	22.75	22.74	1	23.5
		1	49	22.53	22.56	22.73	1	23.5
		25	0	21.40	21.50	21.49	2	22.5
		25	12	21.47	21.51	21.45	2	22.5
		25	25	21.36	21.43	21.52	2	22.5
		50	0	21.38	21.42	21.47	2	22.5
	64QAM	1	0	21.59	21.56	21.55	2	22.5
		1	24	21.55	21.65	21.58	2	22.5
		1	49	21.42	21.59	21.57	2	22.5
		25	0	20.49	20.53	20.49	3	21.5
		25	12	20.50	20.56	20.51	3	21.5
		25	25	20.47	20.43	20.43	3	21.5
		50	0	20.44	20.53	20.51	3	21.5
BW	MCS Index	Channel		133147	133297	133447	3GPP MPR	Max. Tune-up
		Frequence (MHz)		665.5	680.5	695.5		
5M	QPSK	1	0	23.46	23.49	23.36	0	24.5
		1	12	23.45	23.48	23.53	0	24.5
		1	24	23.32	23.40	23.47	0	24.5
		12	0	22.42	22.47	22.53	1	23.5
		12	6	22.48	22.55	22.53	1	23.5
		12	13	22.39	22.55	22.54	1	23.5
		25	0	22.46	22.46	22.50	1	23.5
	16QAM	1	0	22.61	22.65	22.71	1	23.5
		1	12	22.73	22.72	22.75	1	23.5
		1	24	22.53	22.56	22.74	1	23.5
		12	0	21.40	21.52	21.52	2	22.5
		12	6	21.50	21.47	21.49	2	22.5
		12	13	21.41	21.41	21.49	2	22.5
		25	0	21.38	21.41	21.50	2	22.5
	64QAM	1	0	21.65	21.59	21.49	2	22.5
		1	12	21.58	21.59	21.58	2	22.5
		1	24	21.49	21.54	21.57	2	22.5
		12	0	20.48	20.56	20.50	3	21.5
		12	6	20.56	20.49	20.52	3	21.5
		12	13	20.43	20.44	20.46	3	21.5
		25	0	20.48	20.47	20.53	3	21.5

LTE Receiver on

LTE Band 42 Part27Q Ant2								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		42190	42590	42990		
		Frequence (MHz)		3460	3500	3540		
20M	QPSK	1	0	19.45	19.45	19.71	0	20.5
		1	50	**19.51**	**19.64**	**19.83**	0	20.5
		1	99	19.44	19.56	19.81	0	20.5
		50	0	18.50	18.54	18.77	1	19.5
		50	25	**18.52**	**18.58**	**18.82**	1	19.5
		50	50	18.45	18.57	18.78	1	19.5
		100	0	**18.78**	18.53	18.46	1	19.5
	16QAM	1	0	18.31	18.25	18.75	1	19.5
		1	50	18.37	18.45	18.87	1	19.5
		1	99	18.29	18.33	18.85	1	19.5
		50	0	17.63	17.60	17.77	2	18.5
		50	25	17.66	17.56	17.75	2	18.5
		50	50	17.60	17.54	17.81	2	18.5
		100	0	17.56	17.64	17.76	2	18.5
	64QAM	1	0	17.88	17.35	17.28	2	18.5
		1	50	17.92	17.37	17.39	2	18.5
		1	99	17.81	17.29	17.38	2	18.5
		50	0	16.52	16.65	16.86	3	17.5
		50	25	16.53	16.72	16.91	3	17.5
		50	50	16.47	16.71	16.93	3	17.5
		100	0	16.57	16.69	16.87	3	17.5
BW	MCS Index	Channel		42165	42590	43015	3GPP MPR	Max. Tune-up
		Frequence (MHz)		3457.5	3500	3542.5		
15M	QPSK	1	0	19.44	19.41	19.63	0	20.5
		1	37	19.47	19.61	19.77	0	20.5
		1	74	19.42	19.55	19.77	0	20.5
		36	0	18.44	18.49	18.76	1	19.5
		36	19	18.51	18.56	18.77	1	19.5
		36	39	18.37	18.50	18.76	1	19.5
		75	0	18.77	18.49	18.43	1	19.5
	16QAM	1	0	18.28	18.24	18.69	1	19.5
		1	37	18.33	18.40	18.85	1	19.5
		1	74	18.23	18.31	18.82	1	19.5
		36	0	17.61	17.52	17.76	2	18.5
		36	19	17.58	17.52	17.70	2	18.5
		36	39	17.57	17.48	17.79	2	18.5
		75	0	17.55	17.59	17.68	2	18.5
	64QAM	1	0	17.82	17.32	17.24	2	18.5
		1	37	17.90	17.30	17.34	2	18.5
		1	74	17.75	17.21	17.36	2	18.5
		36	0	16.51	16.63	16.78	3	17.5
		36	19	16.46	16.64	16.85	3	17.5
		36	39	16.45	16.70	16.89	3	17.5
		75	0	16.55	16.61	16.86	3	17.5
BW	MCS Index	Channel		42140	42590	43040	3GPP MPR	Max. Tune-up
		Frequence (MHz)		3455	3500	3545		
10M	QPSK	1	0	19.37	19.41	19.66	0	20.5
		1	24	19.49	19.56	19.82	0	20.5
		1	49	19.36	19.52	19.76	0	20.5
		25	0	18.47	18.48	18.75	1	19.5
		25	12	18.50	18.51	18.77	1	19.5
		25	25	18.39	18.49	18.76	1	19.5
		50	0	18.77	18.51	18.38	1	19.5
	16QAM	1	0	18.24	18.17	18.69	1	19.5
		1	24	18.34	18.39	18.85	1	19.5
		1	49	18.27	18.26	18.80	1	19.5
		25	0	17.57	17.52	17.75	2	18.5
		25	12	17.64	17.48	17.74	2	18.5
		25	25	17.52	17.50	17.76	2	18.5
		50	0	17.54	17.56	17.75	2	18.5
	64QAM	1	0	17.80	17.31	17.23	2	18.5
		1	24	17.89	17.31	17.37	2	18.5
		1	49	17.79	17.22	17.33	2	18.5
		25	0	16.46	16.57	16.84	3	17.5
		25	12	16.52	16.70	16.83	3	17.5
		25	25	16.42	16.63	16.87	3	17.5
		50	0	16.56	16.63	16.85	3	17.5
BW	MCS Index	Channel		42115	42590	43065	3GPP MPR	Max. Tune-up
		Frequence (MHz)		3452.5	3500	3547.5		
5M	QPSK	1	0	19.40	19.38	19.66	0	20.5
		1	12	19.49	19.56	19.81	0	20.5
		1	24	19.39	19.48	19.80	0	20.5
		12	0	18.46	18.49	18.72	1	19.5
		12	6	18.44	18.57	18.77	1	19.5
		12	13	18.41	18.52	18.77	1	19.5
		25	0	18.72	18.51	18.41	1	19.5
	16QAM	1	0	18.24	18.20	18.73	1	19.5
		1	12	18.29	18.43	18.92	1	19.5
		1	24	18.27	18.25	18.83	1	19.5
		12	0	17.55	17.54	17.69	2	18.5
		12	6	17.60	17.54	17.69	2	18.5
		12	13	17.53	17.49	17.79	2	18.5
		25	0	17.50	17.57	17.71	2	18.5
	64QAM	1	0	17.81	17.30	17.26	2	18.5
		1	12	17.84	17.35	17.33	2	18.5
		1	24	17.73	17.28	17.36	2	18.5
		12	0	16.48	16.60	16.78	3	17.5
		12	6	16.45	16.71	16.89	3	17.5
		12	13	16.43	16.66	16.85	3	17.5
		25	0	16.51	16.67	16.84	3	17.5

LTE Band 42 Part96 Ant2								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		43190	43340	43490		
		Frequence (MHz)		3560	3575	3590		
20M	QPSK	1	0	19.74	19.85	19.86	0	20.5
		1	50	**19.95**	**20.03**	**20.05**	0	20.5
		1	99	19.94	19.95	19.99	0	20.5
		50	0	18.88	18.94	18.95	1	19.5
		50	25	**18.94**	**19.00**	**19.01**	1	19.5
		50	50	18.91	18.87	18.99	1	19.5
		100	0	18.90	18.95	**18.98**	1	19.5
	16QAM	1	0	18.69	18.66	18.76	1	19.5
		1	50	18.88	18.82	19.06	1	19.5
		1	99	18.87	18.78	19.02	1	19.5
		50	0	17.83	17.89	17.96	2	18.5
		50	25	17.89	17.93	18.01	2	18.5
		50	50	17.88	17.95	18.00	2	18.5
		100	0	17.87	17.95	17.95	2	18.5
	64QAM	1	0	18.08	17.68	17.83	2	18.5
		1	50	18.21	17.81	17.98	2	18.5
		1	99	18.20	17.82	17.93	2	18.5
		50	0	17.01	17.05	17.09	3	17.5
		50	25	17.09	17.08	17.16	3	17.5
		50	50	17.06	17.11	17.12	3	17.5
		100	0	16.99	17.04	17.14	3	17.5
BW	MCS Index	Channel		43165	43340	43515	3GPP MPR	Max. Tune-up
		Frequence (MHz)		3557.5	3575	3592.5		
15M	QPSK	1	0	19.72	19.77	19.70	0	20.5
		1	37	19.87	19.97	19.93	0	20.5
		1	74	19.90	19.93	19.91	0	20.5
		36	0	18.76	18.84	18.93	1	19.5
		36	19	18.92	18.96	18.91	1	19.5
		36	39	18.75	18.73	18.95	1	19.5
		75	0	18.88	18.87	18.92	1	19.5
	16QAM	1	0	18.63	18.64	18.64	1	19.5
		1	37	18.80	18.72	19.02	1	19.5
		1	74	18.75	18.74	18.96	1	19.5
		36	0	17.79	17.73	17.94	2	18.5
		36	19	17.73	17.85	17.91	2	18.5
		36	39	17.82	17.83	17.96	2	18.5
		75	0	17.85	17.85	17.79	2	18.5
	64QAM	1	0	17.96	17.62	17.75	2	18.5
		1	37	18.17	17.67	17.88	2	18.5
		1	74	18.08	17.66	17.89	2	18.5
		36	0	16.99	17.01	16.93	3	17.5
		36	19	16.95	16.92	17.04	3	17.5
		36	39	17.02	17.09	17.04	3	17.5
		75	0	16.95	16.88	17.12	3	17.5
BW	MCS Index	Channel		43140	43340	43540	3GPP MPR	Max. Tune-up
		Frequence (MHz)		3555	3575	3595		
10M	QPSK	1	0	19.65	19.77	19.73	0	20.5
		1	24	19.89	19.92	19.98	0	20.5
		1	49	19.84	19.90	19.90	0	20.5
		25	0	18.79	18.83	18.92	1	19.5
		25	12	18.91	18.91	18.91	1	19.5
		25	25	18.77	18.72	18.95	1	19.5
		50	0	18.88	18.89	18.87	1	19.5
	16QAM	1	0	18.59	18.57	18.64	1	19.5
		1	24	18.81	18.71	19.02	1	19.5
		1	49	18.79	18.69	18.94	1	19.5
		25	0	17.75	17.73	17.93	2	18.5
		25	12	17.79	17.81	17.95	2	18.5
		25	25	17.77	17.85	17.93	2	18.5
		50	0	17.84	17.82	17.86	2	18.5
	64QAM	1	0	17.94	17.61	17.74	2	18.5
		1	24	18.16	17.68	17.91	2	18.5
		1	49	18.12	17.67	17.86	2	18.5
		25	0	16.94	16.95	16.99	3	17.5
		25	12	17.01	16.98	17.02	3	17.5
		25	25	16.99	17.02	17.02	3	17.5
		50	0	16.96	16.90	17.11	3	17.5
BW	MCS Index	Channel		43115	43340	43565	3GPP MPR	Max. Tune-up
		Frequence (MHz)		3552.5	3575	3597.5		
5M	QPSK	1	0	19.68	19.74	19.73	0	20.5
		1	12	19.89	19.92	19.97	0	20.5
		1	24	19.87	19.86	19.94	0	20.5
		12	0	18.78	18.84	18.89	1	19.5
		12	6	18.85	18.97	18.91	1	19.5
		12	13	18.79	18.75	18.96	1	19.5
		25	0	18.83	18.89	18.90	1	19.5
	16QAM	1	0	18.59	18.60	18.68	1	19.5
		1	12	18.76	18.75	18.99	1	19.5
		1	24	18.79	18.68	18.97	1	19.5
		12	0	17.73	17.75	17.87	2	18.5
		12	6	17.75	17.87	17.90	2	18.5
		12	13	17.78	17.84	17.96	2	18.5
		25	0	17.80	17.83	17.82	2	18.5
	64QAM	1	0	17.95	17.60	17.77	2	18.5
		1	12	18.11	17.72	17.87	2	18.5
		1	24	18.06	17.73	17.89	2	18.5
		12	0	16.96	16.98	16.93	3	17.5
		12	6	16.94	16.99	17.08	3	17.5
		12	13	17.00	17.05	17.00	3	17.5
		25	0	16.91	16.94	17.10	3	17.5

LTE Band 43 Ant2								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		43690	44090	44490		
		Frequence (MHz)		3610	3650	3690		
20M	QPSK	1	0	20.39	20.16	20.03	0	21
		1	50	**20.49**	**20.20**	**20.06**	0	21
		1	99	20.42	20.06	19.89	0	21
		50	0	19.48	19.23	19.03	1	20
		50	25	**19.49**	**19.24**	**19.04**	1	20
		50	50	19.48	19.19	18.96	1	20
		100	0	19.28	**19.47**	18.97	1	20
	16QAM	1	0	19.27	19.19	19.08	1	20
		1	50	19.35	19.22	19.11	1	20
		1	99	19.25	19.13	18.96	1	20
		50	0	18.46	18.18	18.03	2	19
		50	25	18.50	18.16	18.01	2	19
		50	50	18.43	18.13	17.98	2	19
		100	0	18.42	18.21	17.95	2	19
	64QAM	1	0	18.31	18.03	17.58	2	19
		1	50	18.38	18.05	17.65	2	19
		1	99	18.29	17.96	17.47	2	19
		50	0	17.50	17.37	17.12	3	18
		50	25	17.51	17.35	17.11	3	18
		50	50	17.49	17.28	17.09	3	18
		100	0	17.56	17.33	17.07	3	18
BW	MCS Index	Channel		43665	44090	44515	3GPP MPR	Max. Tune-up
		Frequence (MHz)		3607.5	3650	3692.5		
15M	QPSK	1	0	20.29	20.04	19.82	0	21
		1	37	20.39	20.06	19.93	0	21
		1	74	20.30	20.00	19.76	0	21
		36	0	19.33	19.07	18.99	1	20
		36	19	19.45	19.13	18.89	1	20
		36	39	19.26	18.97	18.90	1	20
		75	0	19.25	19.37	18.83	1	20
	16QAM	1	0	19.14	19.09	18.90	1	20
		1	37	19.24	19.06	19.05	1	20
		1	74	19.11	19.02	18.85	1	20
		36	0	18.36	17.94	17.99	2	19
		36	19	18.32	18.00	17.90	2	19
		36	39	18.29	17.97	17.89	2	19
		75	0	18.38	18.03	17.78	2	19
	64QAM	1	0	18.11	17.93	17.45	2	19
		1	37	18.31	17.85	17.53	2	19
		1	74	18.15	17.73	17.38	2	19
		36	0	17.42	17.25	16.94	3	18
		36	19	17.36	17.17	16.91	3	18
		36	39	17.40	17.18	16.95	3	18
		75	0	17.51	17.11	17.03	3	18
BW	MCS Index	Channel		43640	44090	44540	3GPP MPR	Max. Tune-up
		Frequence (MHz)		3605	3650	3695		
10M	QPSK	1	0	20.22	20.04	19.85	0	21
		1	24	20.41	20.01	19.98	0	21
		1	49	20.24	19.97	19.75	0	21
		25	0	19.36	19.06	18.98	1	20
		25	12	19.44	19.08	18.89	1	20
		25	25	19.28	18.96	18.90	1	20
		50	0	19.25	19.39	18.78	1	20
	16QAM	1	0	19.10	19.02	18.90	1	20
		1	24	19.25	19.05	19.05	1	20
		1	49	19.15	18.97	18.83	1	20
		25	0	18.32	17.94	17.98	2	19
		25	12	18.38	17.96	17.94	2	19
		25	25	18.24	17.99	17.86	2	19
		50	0	18.37	18.00	17.85	2	19
	64QAM	1	0	18.09	17.92	17.44	2	19
		1	24	18.30	17.86	17.56	2	19
		1	49	18.19	17.74	17.35	2	19
		25	0	17.37	17.19	17.00	3	18
		25	12	17.42	17.23	16.89	3	18
		25	25	17.37	17.11	16.93	3	18
		50	0	17.52	17.13	17.02	3	18
BW	MCS Index	Channel		43615	44090	44565	3GPP MPR	Max. Tune-up
		Frequence (MHz)		3602.5	3650	3697.5		
5M	QPSK	1	0	20.25	20.01	19.85	0	21
		1	12	20.41	20.01	19.97	0	21
		1	24	20.27	19.93	19.79	0	21
		12	0	19.35	19.07	18.95	1	20
		12	6	19.38	19.14	18.89	1	20
		12	13	19.30	18.99	18.91	1	20
		25	0	19.20	19.39	18.81	1	20
	16QAM	1	0	19.10	19.05	18.94	1	20
		1	12	19.20	19.09	19.02	1	20
		1	24	19.15	18.96	18.86	1	20
		12	0	18.30	17.96	17.92	2	19
		12	6	18.34	18.02	17.89	2	19
		12	13	18.25	17.98	17.89	2	19
		25	0	18.33	18.01	17.81	2	19
	64QAM	1	0	18.10	17.91	17.47	2	19
		1	12	18.25	17.90	17.52	2	19
		1	24	18.13	17.80	17.38	2	19
		12	0	17.39	17.22	16.94	3	18
		12	6	17.35	17.24	16.95	3	18
		12	13	17.38	17.14	16.91	3	18
		25	0	17.47	17.17	17.01	3	18

LTE Senor on

LTE Band 4 Ant4

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		20050	20175	20300		
		Frequence (MHz)		1720	1732.5	1745		
20M	QPSK	1	0	21.77	21.74	21.76	0	22.5
		1	50	21.71	21.69	21.74	0	22.5
		1	99	**21.79**	**21.78**	**21.81**	0	22.5
		50	0	20.72	20.77	20.76	1	21.5
		50	25	20.70	20.75	20.69	1	21.5
		50	50	**20.77**	**20.79**	**20.79**	1	21.5
		100	0	20.67	20.74	**20.75**	1	21.5
	16QAM	1	0	21.11	21.13	21.10	1	21.5
		1	50	21.13	21.17	21.13	1	21.5
		1	99	21.06	21.05	21.07	1	21.5
		50	0	19.73	19.77	19.75	2	20.5
		50	25	19.75	19.78	19.78	2	20.5
		50	50	19.67	19.73	19.67	2	20.5
		100	0	19.68	19.72	19.73	2	20.5
	64QAM	1	0	20.02	19.94	19.97	2	20.5
		1	50	19.97	19.95	19.99	2	20.5
		1	99	19.95	19.89	19.92	2	20.5
		50	0	18.79	18.87	18.88	3	19.5
		50	25	18.85	18.89	18.91	3	19.5
		50	50	18.78	18.88	18.78	3	19.5
		100	0	18.81	18.86	18.83	3	19.5
BW	MCS Index	Channel		20025	20175	20325	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1717.5	1732.5	1747.5		
15M	QPSK	1	0	21.76	21.70	21.68	0	22.5
		1	37	21.67	21.66	21.68	0	22.5
		1	74	21.77	21.77	21.77	0	22.5
		36	0	20.66	20.72	20.75	1	21.5
		36	19	20.69	20.73	20.64	1	21.5
		36	39	20.69	20.72	20.77	1	21.5
		75	0	20.66	20.70	20.72	1	21.5
	16QAM	1	0	21.08	21.12	21.04	1	21.5
		1	37	21.09	21.12	21.11	1	21.5
		1	74	21.00	21.03	21.04	1	21.5
		36	0	19.71	19.69	19.74	2	20.5
		36	19	19.67	19.74	19.73	2	20.5
		36	39	19.64	19.67	19.65	2	20.5
		75	0	19.67	19.67	19.65	2	20.5
	64QAM	1	0	19.96	19.91	19.93	2	20.5
		1	37	19.95	19.88	19.94	2	20.5
		1	74	19.89	19.81	19.90	2	20.5
		36	0	18.78	18.85	18.80	3	19.5
		36	19	18.78	18.81	18.85	3	19.5
		36	39	18.76	18.87	18.74	3	19.5
		75	0	18.79	18.78	18.82	3	19.5
BW	MCS Index	Channel		20000	20175	20350	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1715	1732.5	1750		
10M	QPSK	1	0	21.69	21.70	21.71	0	22.5
		1	24	21.69	21.61	21.73	0	22.5
		1	49	21.71	21.74	21.76	0	22.5
		25	0	20.69	20.71	20.74	1	21.5
		25	12	20.68	20.68	20.64	1	21.5
		25	25	20.71	20.71	20.77	1	21.5
		50	0	20.66	20.72	20.67	1	21.5
	16QAM	1	0	21.04	21.05	21.04	1	21.5
		1	24	21.10	21.11	21.11	1	21.5
		1	49	21.04	20.98	21.02	1	21.5
		25	0	19.67	19.69	19.73	2	20.5
		25	12	19.73	19.70	19.77	2	20.5
		25	25	19.59	19.69	19.62	2	20.5
		50	0	19.66	19.64	19.72	2	20.5
	64QAM	1	0	19.94	19.90	19.92	2	20.5
		1	24	19.94	19.89	19.97	2	20.5
		1	49	19.93	19.82	19.87	2	20.5
		25	0	18.73	18.79	18.86	3	19.5
		25	12	18.84	18.87	18.83	3	19.5
		25	25	18.73	18.80	18.72	3	19.5
		50	0	18.80	18.80	18.81	3	19.5
BW	MCS Index	Channel		19975	20175	20375	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1712.5	1732.5	1752.5		
5M	QPSK	1	0	21.71	21.72	21.70	0	22.5
		1	12	21.64	21.64	21.72	0	22.5
		1	24	21.73	21.71	21.76	0	22.5
		12	0	20.65	20.72	20.74	1	21.5
		12	6	20.62	20.73	20.63	1	21.5
		12	13	20.69	20.78	20.77	1	21.5
		25	0	20.63	20.69	20.67	1	21.5
	16QAM	1	0	21.03	21.12	21.08	1	21.5
		1	12	21.08	21.12	21.09	1	21.5
		1	24	21.04	20.97	21.06	1	21.5
		12	0	19.65	19.73	19.70	2	20.5
		12	6	19.72	19.72	19.76	2	20.5
		12	13	19.65	19.66	19.62	2	20.5
		25	0	19.62	19.64	19.71	2	20.5
	64QAM	1	0	20.01	19.92	19.89	2	20.5
		1	12	19.92	19.87	19.93	2	20.5
		1	24	19.94	19.83	19.90	2	20.5
		12	0	18.74	18.85	18.81	3	19.5
		12	6	18.83	18.81	18.90	3	19.5
		12	13	18.70	18.84	18.73	3	19.5
		25	0	18.79	18.78	18.82	3	19.5
BW	MCS Index	Channel		19965	20175	20385	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1711.5	1732.5	1753.5		
3M	QPSK	1	0	21.72	21.67	21.71	0	22.5
		1	7	21.69	21.61	21.72	0	22.5
		1	14	21.74	21.70	21.80	0	22.5
		8	0	20.68	20.72	20.71	1	21.5
		8	3	20.62	20.74	20.64	1	21.5
		8	7	20.73	20.74	20.78	1	21.5
		15	0	20.61	20.72	20.70	1	21.5
	16QAM	1	0	21.04	21.08	21.08	1	21.5
		1	7	21.05	21.15	21.08	1	21.5
		1	14	21.04	20.97	21.05	1	21.5
		8	0	19.65	19.71	19.67	2	20.5
		8	3	19.69	19.76	19.72	2	20.5
		8	7	19.60	19.68	19.65	2	20.5
		15	0	19.62	19.65	19.68	2	20.5
	64QAM	1	0	19.95	19.89	19.95	2	20.5
		1	7	19.89	19.93	19.93	2	20.5
		1	14	19.87	19.88	19.90	2	20.5
		8	0	18.75	18.82	18.80	3	19.5
		8	3	18.77	18.88	18.89	3	19.5
		8	7	18.74	18.83	18.70	3	19.5
		15	0	18.75	18.84	18.80	3	19.5
BW	MCS Index	Channel		19957	20175	20393	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1710.7	1732.5	1754.3		
1.4M	QPSK	1	0	21.69	21.70	21.71	0	22.5
		1	2	21.68	21.63	21.72	0	22.5
		1	5	21.77	21.71	21.76	0	22.5
		3	0	21.66	21.69	21.74	0	22.5
		3	1	21.69	21.73	21.61	0	22.5
		3	3	21.72	21.71	21.73	0	22.5
		6	0	20.66	20.68	20.73	1	21.5
	16QAM	1	0	21.06	21.06	21.05	1	21.5
		1	2	21.11	21.09	21.11	1	21.5
		1	5	21.01	20.97	21.06	1	21.5
		3	0	20.69	20.72	20.70	1	21.5
		3	1	20.67	20.77	20.73	1	21.5
		3	3	20.63	20.68	20.66	1	21.5
		6	0	19.62	19.70	19.68	2	20.5
	64QAM	1	0	19.95	19.89	19.95	2	20.5
		1	2	19.89	19.93	19.94	2	20.5
		1	5	19.93	19.81	19.90	2	20.5
		3	0	19.71	19.55	19.54	2	20.5
		3	1	19.79	19.61	19.59	2	20.5
		3	3	19.73	19.54	19.51	2	20.5
		6	0	18.77	18.81	18.78	3	19.5

LTE Band 7 Ant0

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		20850	21100	21350		
		Frequence (MHz)		2510	2535	2560		
20M	QPSK	1	0	22.42	22.56	22.61	0	23.5
		1	50	**22.56**	**22.70**	**22.64**	0	23.5
		1	99	22.54	22.55	22.42	0	23.5
		50	0	**21.63**	**21.68**	**21.64**	1	22.5
		50	25	21.60	21.63	21.58	1	22.5
		50	50	21.51	21.65	21.49	1	22.5
		100	0	21.57	21.57	**21.66**	1	22.5
	16QAM	1	0	21.88	21.87	21.86	1	22.5
		1	50	22.02	21.98	21.91	1	22.5
		1	99	21.96	21.86	21.77	1	22.5
		50	0	20.52	20.62	20.61	2	21.5
		50	25	20.62	20.74	20.62	2	21.5
		50	50	20.64	20.66	20.47	2	21.5
		100	0	20.57	20.65	20.53	2	21.5
	64QAM	1	0	20.72	20.70	20.75	2	21.5
		1	50	20.69	20.85	20.72	2	21.5
		1	99	20.67	20.68	20.58	2	21.5
		50	0	19.45	19.65	19.63	3	20.5
		50	25	19.58	19.71	19.61	3	20.5
		50	50	19.60	19.66	19.47	3	20.5
		100	0	19.55	19.62	19.56	3	20.5
BW	MCS Index	Channel		20525	21100	21375	3GPP MPR	Max. Tune-up
		Frequence (MHz)		2507.5	2535	2562.5		
15M	QPSK	1	0	22.37	22.49	22.56	0	23.5
		1	37	22.54	22.62	22.62	0	23.5
		1	74	22.49	22.47	22.41	0	23.5
		36	0	21.59	21.63	21.59	1	22.5
		36	19	21.52	21.62	21.53	1	22.5
		36	39	21.47	21.60	21.48	1	22.5
		75	0	21.51	21.55	21.61	1	22.5
	16QAM	1	0	21.81	21.82	21.84	1	22.5
		1	37	21.94	21.96	21.86	1	22.5
		1	74	21.94	21.78	21.75	1	22.5
		36	0	20.44	20.56	20.53	2	21.5
		36	19	20.56	20.72	20.56	2	21.5
		36	39	20.57	20.61	20.45	2	21.5
		75	0	20.51	20.58	20.48	2	21.5
	64QAM	1	0	20.65	20.65	20.73	2	21.5
		1	37	20.61	20.83	20.66	2	21.5
		1	74	20.59	20.67	20.56	2	21.5
		36	0	19.41	19.60	19.55	3	20.5
		36	19	19.50	19.70	19.59	3	20.5
		36	39	19.56	19.61	19.39	3	20.5
		75	0	19.49	19.60	19.53	3	20.5
BW	MCS Index	Channel		20800	21100	21400	3GPP MPR	Max. Tune-up
		Frequence (MHz)		2505	2535	2565		
10M	QPSK	1	0	22.36	22.54	22.55	0	23.5
		1	24	22.49	22.65	22.62	0	23.5
		1	49	22.48	22.48	22.37	0	23.5
		25	0	21.56	21.63	21.62	1	22.5
		25	12	21.52	21.61	21.52	1	22.5
		25	25	21.43	21.64	21.47	1	22.5
		50	0	21.53	21.52	21.58	1	22.5
	16QAM	1	0	21.80	21.86	21.84	1	22.5
		1	24	21.97	21.93	21.87	1	22.5
		1	49	21.94	21.78	21.76	1	22.5
		25	0	20.44	20.58	20.56	2	21.5
		25	12	20.59	20.68	20.60	2	21.5
		25	25	20.62	20.59	20.42	2	21.5
		50	0	20.51	20.57	20.51	2	21.5
	64QAM	1	0	20.71	20.68	20.67	2	21.5
		1	24	20.64	20.77	20.66	2	21.5
		1	49	20.66	20.62	20.56	2	21.5
		25	0	19.40	19.63	19.56	3	20.5
		25	12	19.56	19.63	19.60	3	20.5
		25	25	19.52	19.62	19.42	3	20.5
		50	0	19.53	19.54	19.55	3	20.5
BW	MCS Index	Channel		20775	21100	21425	3GPP MPR	Max. Tune-up
		Frequence (MHz)		2502.5	2535	2567.5		
5M	QPSK	1	0	22.31	22.47	22.50	0	23.5
		1	12	22.47	22.57	22.60	0	23.5
		1	24	22.43	22.40	22.36	0	23.5
		12	0	21.52	21.58	21.57	1	22.5
		12	6	21.44	21.60	21.47	1	22.5
		12	13	21.39	21.59	21.46	1	22.5
		25	0	21.47	21.50	21.53	1	22.5
	16QAM	1	0	21.73	21.81	21.82	1	22.5
		1	12	21.89	21.91	21.82	1	22.5
		1	24	21.92	21.70	21.74	1	22.5
		12	0	20.36	20.52	20.48	2	21.5
		12	6	20.53	20.66	20.54	2	21.5
		12	13	20.55	20.54	20.40	2	21.5
		25	0	20.45	20.50	20.46	2	21.5
	64QAM	1	0	20.64	20.63	20.65	2	21.5
		1	12	20.56	20.75	20.60	2	21.5
		1	24	20.58	20.61	20.54	2	21.5
		12	0	19.36	19.58	19.48	3	20.5
		12	6	19.48	19.62	19.58	3	20.5
		12	13	19.48	19.57	19.34	3	20.5
		25	0	19.47	19.52	19.52	3	20.5

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BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		132072	132322	132572		
		Frequence (MHz)		1720	1745	1770		
20M	QPSK	1	0	21.74	21.75	21.74	0	22.5
		1	50	**21.77**	**21.83**	**21.83**	0	22.5
		1	99	21.69	21.76	21.76	0	22.5
		50	0	20.71	20.80	20.80	1	21.5
		50	25	**20.78**	**20.81**	**20.82**	1	21.5
		50	50	20.72	20.67	20.72	1	21.5
		100	0	20.71	20.70	**20.73**	1	21.5
	16QAM	1	0	20.96	21.08	20.89	1	21.5
		1	50	20.98	21.11	20.94	1	21.5
		1	99	20.91	21.04	20.92	1	21.5
		50	0	19.71	19.78	19.77	2	20.5
		50	25	19.72	19.79	19.78	2	20.5
		50	50	19.67	19.66	19.69	2	20.5
		100	0	19.68	19.70	19.72	2	20.5
	64QAM	1	0	20.02	19.87	19.97	2	20.5
		1	50	20.06	19.85	20.01	2	20.5
		1	99	20.04	19.78	20.00	2	20.5
		50	0	18.85	18.90	18.89	3	19.5
		50	25	18.88	18.88	18.92	3	19.5
		50	50	18.81	18.81	18.79	3	19.5
		100	0	18.80	18.85	18.82	3	19.5
BW	MCS Index	Channel		132047	132322	132597	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1717.5	1745	1772.5		
15M	QPSK	1	0	21.73	21.71	21.66	0	22.5
		1	37	21.73	21.80	21.77	0	22.5
		1	74	21.67	21.75	21.72	0	22.5
		36	0	20.65	20.75	20.79	1	21.5
		36	19	20.77	20.79	20.77	1	21.5
		36	39	20.64	20.60	20.70	1	21.5
		75	0	20.70	20.66	20.70	1	21.5
	16QAM	1	0	20.93	21.07	20.83	1	21.5
		1	37	20.94	21.06	20.92	1	21.5
		1	74	20.85	21.02	20.89	1	21.5
		36	0	19.69	19.70	19.76	2	20.5
		36	19	19.64	19.75	19.73	2	20.5
		36	39	19.64	19.60	19.67	2	20.5
		75	0	19.67	19.65	19.64	2	20.5
	64QAM	1	0	19.96	19.84	19.93	2	20.5
		1	37	20.04	19.78	19.96	2	20.5
		1	74	19.98	19.70	19.98	2	20.5
		36	0	18.84	18.88	18.81	3	19.5
		36	19	18.81	18.80	18.86	3	19.5
		36	39	18.79	18.80	18.75	3	19.5
		75	0	18.78	18.77	18.81	3	19.5
BW	MCS Index	Channel		132022	132322	132622	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1715	1745	1775		
10M	QPSK	1	0	21.66	21.71	21.69	0	22.5
		1	24	21.75	21.75	21.82	0	22.5
		1	49	21.61	21.72	21.71	0	22.5
		25	0	20.68	20.74	20.78	1	21.5
		25	12	20.76	20.74	20.77	1	21.5
		25	25	20.66	20.59	20.70	1	21.5
		50	0	20.70	20.68	20.65	1	21.5
	16QAM	1	0	20.89	21.00	20.83	1	21.5
		1	24	20.95	21.05	20.92	1	21.5
		1	49	20.89	20.97	20.87	1	21.5
		25	0	19.65	19.70	19.75	2	20.5
		25	12	19.70	19.71	19.77	2	20.5
		25	25	19.59	19.62	19.64	2	20.5
		50	0	19.66	19.62	19.71	2	20.5
	64QAM	1	0	19.94	19.83	19.92	2	20.5
		1	24	20.03	19.79	19.99	2	20.5
		1	49	20.02	19.71	19.95	2	20.5
		25	0	18.79	18.82	18.87	3	19.5
		25	12	18.87	18.86	18.84	3	19.5
		25	25	18.76	18.73	18.73	3	19.5
		50	0	18.79	18.79	18.80	3	19.5
BW	MCS Index	Channel		131997	132322	132647	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1712.5	1745	1777.5		
5M	QPSK	1	0	21.69	21.68	21.69	0	22.5
		1	12	21.75	21.75	21.81	0	22.5
		1	24	21.64	21.68	21.75	0	22.5
		12	0	20.67	20.75	20.75	1	21.5
		12	6	20.70	20.80	20.77	1	21.5
		12	13	20.68	20.62	20.71	1	21.5
		25	0	20.65	20.68	20.68	1	21.5
	16QAM	1	0	20.89	21.03	20.87	1	21.5
		1	12	20.95	21.09	20.89	1	21.5
		1	24	20.89	20.96	20.90	1	21.5
		12	0	19.63	19.72	19.69	2	20.5
		12	6	19.66	19.77	19.72	2	20.5
		12	13	19.60	19.61	19.67	2	20.5
		25	0	19.62	19.63	19.67	2	20.5
	64QAM	1	0	19.95	19.82	19.95	2	20.5
		1	12	19.98	19.83	19.95	2	20.5
		1	24	19.96	19.77	19.98	2	20.5
		12	0	18.81	18.85	18.81	3	19.5
		12	6	18.80	18.87	18.90	3	19.5
		12	13	18.77	18.76	18.71	3	19.5
		25	0	18.74	18.83	18.79	3	19.5
BW	MCS Index	Channel		131987	132322	132657	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1711.5	1745	1778.5		
3M	QPSK	1	0	21.68	21.64	21.61	0	22.5
		1	7	21.71	21.72	21.75	0	22.5
		1	14	21.62	21.67	21.71	0	22.5
		8	0	20.61	20.70	20.74	1	21.5
		8	3	20.65	20.78	20.72	1	21.5
		8	7	20.60	20.55	20.69	1	21.5
		15	0	20.64	20.64	20.65	1	21.5
	16QAM	1	0	20.86	21.02	20.81	1	21.5
		1	7	20.86	21.04	20.87	1	21.5
		1	14	20.83	20.94	20.87	1	21.5
		8	0	19.61	19.64	19.68	2	20.5
		8	3	19.58	19.73	19.67	2	20.5
		8	7	19.57	19.55	19.65	2	20.5
		15	0	19.61	19.58	19.59	2	20.5
	64QAM	1	0	19.89	19.79	19.91	2	20.5
		1	7	19.96	19.76	19.90	2	20.5
		1	14	19.90	19.69	19.96	2	20.5
		8	0	18.80	18.83	18.73	3	19.5
		8	3	18.73	18.79	18.84	3	19.5
		8	7	18.75	18.75	18.67	3	19.5
		15	0	18.72	18.75	18.78	3	19.5
BW	MCS Index	Channel		131979	132322	132665	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1710.7	1745	1779.3		
1.4M	QPSK	1	0	21.60	21.60	21.56	0	22.5
		1	2	21.68	21.66	21.73	0	22.5
		1	5	21.60	21.60	21.66	0	22.5
		3	0	21.55	21.62	21.72	0	22.5
		3	1	21.68	21.76	21.64	0	22.5
		3	3	21.55	21.47	21.63	0	22.5
		6	0	20.63	20.58	20.63	1	21.5
	16QAM	1	0	20.81	20.95	20.76	1	21.5
		1	2	20.84	20.96	20.85	1	21.5
		1	5	20.78	20.86	20.86	1	21.5
		3	0	20.57	20.59	20.63	1	21.5
		3	1	20.50	20.72	20.62	1	21.5
		3	3	20.53	20.50	20.64	1	21.5
		6	0	19.55	19.56	19.54	2	20.5
	64QAM	1	0	19.82	19.74	19.89	2	20.5
		1	2	19.88	19.74	19.85	2	20.5
		1	5	19.88	19.61	19.94	2	20.5
		3	0	19.72	19.77	19.65	2	20.5
		3	1	19.67	19.77	19.78	2	20.5
		3	3	19.70	19.67	19.66	2	20.5
		6	0	18.68	18.70	18.73	3	19.5

LTE Hotspot Power

LTE Band 4 Ant4								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		20050	20175	20300		
		Frequence (MHz)		1720	1732.5	1745		
20M	QPSK	1	0	19.94	20.03	19.95	0	20.5
		1	50	**19.96**	**20.06**	**20.02**	0	20.5
		1	99	19.93	19.97	19.93	0	20.5
		50	0	18.86	19.02	18.87	1	19.5
		50	25	**18.98**	**19.09**	**18.96**	1	19.5
		50	50	18.92	19.01	18.91	1	19.5
		100	0	18.88	18.89	**18.92**	1	19.5
	16QAM	1	0	19.11	18.86	19.09	1	19.5
		1	50	19.16	19.17	19.03	1	19.5
		1	99	19.22	19.15	19.02	1	19.5
		50	0	18.09	18.08	18.11	2	18.5
		50	25	18.12	18.09	18.04	2	18.5
		50	50	18.03	18.05	18.04	2	18.5
		100	0	18.00	18.07	17.99	2	18.5
	64QAM	1	0	18.18	18.05	18.17	2	18.5
		1	50	18.13	18.17	18.21	2	18.5
		1	99	18.11	18.08	18.09	2	18.5
		50	0	17.02	17.15	17.06	3	17.5
		50	25	17.12	17.09	17.11	3	17.5
		50	50	17.01	17.07	17.03	3	17.5
		100	0	16.98	17.05	16.99	3	17.5
BW	MCS Index	Channel		20025	20175	20325	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1717.5	1732.5	1747.5		
15M	QPSK	1	0	19.86	19.99	19.90	0	20.5
		1	37	19.94	19.98	20.01	0	20.5
		1	74	19.85	19.93	19.88	0	20.5
		36	0	18.83	18.96	18.85	1	19.5
		36	19	18.96	19.02	18.91	1	19.5
		36	39	18.86	18.93	18.89	1	19.5
		75	0	18.87	18.87	18.84	1	19.5
	16QAM	1	0	19.04	18.78	19.03	1	19.5
		1	37	19.13	19.11	19.01	1	19.5
		1	74	19.20	19.08	18.97	1	19.5
		36	0	18.03	18.00	18.09	2	18.5
		36	19	18.10	18.01	18.03	2	18.5
		36	39	17.95	18.01	17.99	2	18.5
		75	0	17.98	17.99	17.98	2	18.5
	64QAM	1	0	18.10	18.01	18.12	2	18.5
		1	37	18.10	18.11	18.19	2	18.5
		1	74	18.09	18.01	18.04	2	18.5
		36	0	16.96	17.07	17.04	3	17.5
		36	19	17.11	17.07	17.03	3	17.5
		36	39	16.96	16.99	16.97	3	17.5
		75	0	16.97	16.99	16.97	3	17.5
BW	MCS Index	Channel		20000	20175	20350	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1715	1732.5	1750		
10M	QPSK	1	0	19.89	19.96	19.90	0	20.5
		1	24	19.94	19.98	20.00	0	20.5
		1	49	19.88	19.89	19.92	0	20.5
		25	0	18.82	18.97	18.82	1	19.5
		25	12	18.90	19.08	18.91	1	19.5
		25	25	18.88	18.96	18.90	1	19.5
		50	0	18.82	18.87	18.87	1	19.5
	16QAM	1	0	19.04	18.81	19.07	1	19.5
		1	24	19.08	19.15	18.98	1	19.5
		1	49	19.20	19.07	19.00	1	19.5
		25	0	18.01	18.02	18.03	2	18.5
		25	12	18.06	18.07	17.98	2	18.5
		25	25	17.96	18.00	18.02	2	18.5
		50	0	17.94	18.00	17.94	2	18.5
	64QAM	1	0	18.11	18.00	18.15	2	18.5
		1	24	18.05	18.15	18.15	2	18.5
		1	49	18.03	18.07	18.07	2	18.5
		25	0	16.98	17.10	16.98	3	17.5
		25	12	17.04	17.08	17.09	3	17.5
		25	25	16.97	17.02	16.95	3	17.5
		50	0	16.92	17.03	16.96	3	17.5
BW	MCS Index	Channel		19975	20175	20375	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1712.5	1732.5	1752.5		
5M	QPSK	1	0	19.88	19.92	19.82	0	20.5
		1	12	19.90	19.95	19.94	0	20.5
		1	24	19.86	19.88	19.88	0	20.5
		12	0	18.76	18.92	18.81	1	19.5
		12	6	18.89	19.06	18.86	1	19.5
		12	13	18.80	18.89	18.88	1	19.5
		25	0	18.81	18.83	18.84	1	19.5
	16QAM	1	0	19.01	18.80	19.01	1	19.5
		1	12	19.04	19.10	18.96	1	19.5
		1	24	19.14	19.05	18.97	1	19.5
		12	0	17.99	17.94	18.02	2	18.5
		12	6	17.98	18.03	17.93	2	18.5
		12	13	17.93	17.94	18.00	2	18.5
		25	0	17.93	17.95	17.86	2	18.5
	64QAM	1	0	18.05	17.97	18.11	2	18.5
		1	12	18.03	18.08	18.10	2	18.5
		1	24	17.97	17.99	18.05	2	18.5
		12	0	16.97	17.08	16.93	3	17.5
		12	6	16.97	17.00	17.03	3	17.5
		12	13	16.95	17.01	16.91	3	17.5
		25	0	16.90	16.95	16.95	3	17.5
BW	MCS Index	Channel		19965	20175	20385	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1711.5	1732.5	1753.5		
3M	QPSK	1	0	19.81	19.92	19.85	0	20.5
		1	7	19.92	19.90	19.99	0	20.5
		1	14	19.80	19.85	19.87	0	20.5
		8	0	18.79	18.91	18.80	1	19.5
		8	3	18.88	19.01	18.86	1	19.5
		8	7	18.82	18.88	18.88	1	19.5
		15	0	18.81	18.85	18.79	1	19.5
	16QAM	1	0	18.97	18.73	19.01	1	19.5
		1	7	19.05	19.09	18.96	1	19.5
		1	14	19.18	19.00	18.95	1	19.5
		8	0	17.95	17.94	18.01	2	18.5
		8	3	18.04	17.99	17.97	2	18.5
		8	7	17.88	17.96	17.97	2	18.5
		15	0	17.92	17.92	17.93	2	18.5
	64QAM	1	0	18.03	17.96	18.10	2	18.5
		1	7	18.02	18.09	18.13	2	18.5
		1	14	18.01	18.00	18.02	2	18.5
		8	0	16.92	17.02	16.96	3	17.5
		8	3	17.03	17.06	17.01	3	17.5
		8	7	16.92	16.94	16.89	3	17.5
		15	0	16.91	16.97	16.94	3	17.5
BW	MCS Index	Channel		19957	20175	20393	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1710.7	1732.5	1754.3		
1.4M	QPSK	1	0	19.73	19.88	19.80	0	20.5
		1	2	19.89	19.84	19.97	0	20.5
		1	5	19.78	19.78	19.82	0	20.5
		3	0	19.73	19.83	19.78	0	20.5
		3	1	19.87	19.99	19.78	0	20.5
		3	3	19.77	19.80	19.82	0	20.5
		6	0	18.80	18.79	18.77	1	19.5
	16QAM	1	0	18.92	18.66	18.96	1	19.5
		1	2	19.03	19.01	18.94	1	19.5
		1	5	19.13	18.92	18.94	1	19.5
		3	0	18.91	18.89	18.96	1	19.5
		3	1	18.96	18.98	18.92	1	19.5
		3	3	18.84	18.91	18.96	1	19.5
		6	0	17.86	17.90	17.88	2	18.5
	64QAM	1	0	17.96	17.91	18.08	2	18.5
		1	2	17.94	18.07	18.08	2	18.5
		1	5	17.99	17.92	18.00	2	18.5
		3	0	17.84	17.96	17.88	2	18.5
		3	1	17.97	18.04	17.95	2	18.5
		3	3	17.87	17.86	17.88	2	18.5
		6	0	16.87	16.92	16.89	3	17.5

LTE Band 7 Ant0								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		20850	21100	21350		
		Frequence (MHz)		2510	2535	2560		
20M	QPSK	1	0	22.42	22.56	22.61	0	23.5
		1	50	**22.56**	**22.70**	**22.64**	0	23.5
		1	99	22.54	22.55	22.42	0	23.5
		50	0	**21.63**	**21.68**	**21.64**	1	22.5
		50	25	21.60	21.63	21.58	1	22.5
		50	50	21.51	21.65	21.49	1	22.5
		100	0	21.57	21.57	**21.66**	1	22.5
	16QAM	1	0	21.88	21.87	21.86	1	22.5
		1	50	22.02	21.98	21.91	1	22.5
		1	99	21.96	21.86	21.77	1	22.5
		50	0	20.52	20.62	20.61	2	21.5
		50	25	20.62	20.74	20.62	2	21.5
		50	50	20.64	20.66	20.47	2	21.5
		100	0	20.57	20.65	20.53	2	21.5
	64QAM	1	0	20.72	20.70	20.75	2	21.5
		1	50	20.69	20.85	20.72	2	21.5
		1	99	20.67	20.68	20.58	2	21.5
		50	0	19.45	19.65	19.63	3	20.5
		50	25	19.58	19.71	19.61	3	20.5
		50	50	19.60	19.66	19.47	3	20.5
		100	0	19.55	19.62	19.56	3	20.5
BW	MCS Index	Channel		20825	21100	21375	3GPP MPR	Max. Tune-up
		Frequence (MHz)		2507.5	2535	2562.5		
15M	QPSK	1	0	22.37	22.49	22.56	0	23.5
		1	37	22.54	22.62	22.62	0	23.5
		1	74	22.49	22.47	22.41	0	23.5
		36	0	21.59	21.63	21.59	1	22.5
		36	19	21.52	21.62	21.53	1	22.5
		36	39	21.47	21.60	21.48	1	22.5
		75	0	21.51	21.55	21.61	1	22.5
	16QAM	1	0	21.81	21.82	21.84	1	22.5
		1	37	21.94	21.96	21.86	1	22.5
		1	74	21.94	21.78	21.75	1	22.5
		36	0	20.44	20.56	20.53	2	21.5
		36	19	20.56	20.72	20.56	2	21.5
		36	39	20.57	20.61	20.45	2	21.5
		75	0	20.51	20.58	20.48	2	21.5
	64QAM	1	0	20.65	20.65	20.73	2	21.5
		1	37	20.61	20.83	20.66	2	21.5
		1	74	20.59	20.67	20.56	2	21.5
		36	0	19.41	19.60	19.55	3	20.5
		36	19	19.50	19.70	19.59	3	20.5
		36	39	19.56	19.61	19.39	3	20.5
		75	0	19.49	19.60	19.53	3	20.5
BW	MCS Index	Channel		20800	21100	21400	3GPP MPR	Max. Tune-up
		Frequence (MHz)		2505	2535	2565		
10M	QPSK	1	0	22.36	22.54	22.55	0	23.5
		1	24	22.49	22.65	22.62	0	23.5
		1	49	22.48	22.48	22.37	0	23.5
		25	0	21.56	21.63	21.62	1	22.5
		25	12	21.52	21.61	21.52	1	22.5
		25	25	21.43	21.64	21.47	1	22.5
		50	0	21.53	21.52	21.58	1	22.5
	16QAM	1	0	21.80	21.86	21.84	1	22.5
		1	24	21.97	21.93	21.87	1	22.5
		1	49	21.94	21.78	21.76	1	22.5
		25	0	20.44	20.58	20.56	2	21.5
		25	12	20.59	20.68	20.60	2	21.5
		25	25	20.62	20.59	20.42	2	21.5
		50	0	20.51	20.57	20.51	2	21.5
	64QAM	1	0	20.71	20.68	20.67	2	21.5
		1	24	20.64	20.77	20.66	2	21.5
		1	49	20.66	20.62	20.56	2	21.5
		25	0	19.40	19.63	19.56	3	20.5
		25	12	19.56	19.63	19.60	3	20.5
		25	25	19.52	19.62	19.42	3	20.5
		50	0	19.53	19.54	19.55	3	20.5
BW	MCS Index	Channel		20775	21100	21425	3GPP MPR	Max. Tune-up
		Frequence (MHz)		2502.5	2535	2567.5		
5M	QPSK	1	0	22.31	22.47	22.50	0	23.5
		1	12	22.47	22.57	22.60	0	23.5
		1	24	22.43	22.40	22.36	0	23.5
		12	0	21.52	21.58	21.57	1	22.5
		12	6	21.44	21.60	21.47	1	22.5
		12	13	21.39	21.59	21.46	1	22.5
		25	0	21.47	21.50	21.53	1	22.5
	16QAM	1	0	21.73	21.81	21.82	1	22.5
		1	12	21.89	21.91	21.82	1	22.5
		1	24	21.92	21.70	21.74	1	22.5
		12	0	20.36	20.52	20.48	2	21.5
		12	6	20.53	20.66	20.54	2	21.5
		12	13	20.55	20.54	20.40	2	21.5
		25	0	20.45	20.50	20.46	2	21.5
	64QAM	1	0	20.64	20.63	20.65	2	21.5
		1	12	20.56	20.75	20.60	2	21.5
		1	24	20.58	20.61	20.54	2	21.5
		12	0	19.36	19.58	19.48	3	20.5
		12	6	19.48	19.62	19.58	3	20.5
		12	13	19.48	19.57	19.34	3	20.5
		25	0	19.47	19.52	19.52	3	20.5

LTE Band 66 Ant4								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)
		Channel		132072	132322	132572		
		Frequence (MHz)		1720	1745	1770		
20M	QPSK	1	0	20.01	19.92	19.97	0	20.5
		1	50	**20.03**	**19.98**	**20.01**	0	20.5
		1	99	19.99	19.89	19.98	0	20.5
		50	0	18.92	18.65	18.77	1	19.5
		50	25	**18.97**	**19.01**	**19.04**	1	19.5
		50	50	18.89	18.93	18.91	1	19.5
		100	0	18.88	18.92	**18.95**	1	19.5
	16QAM	1	0	18.82	18.96	19.01	1	19.5
		1	50	18.79	19.05	19.06	1	19.5
		1	99	18.77	19.21	19.09	1	19.5
		50	0	18.05	18.15	18.10	2	18.5
		50	25	17.89	18.08	18.02	2	18.5
		50	50	18.03	18.04	18.08	2	18.5
		100	0	18.02	18.00	18.06	2	18.5
	64QAM	1	0	18.24	18.07	18.14	2	18.5
		1	50	18.20	18.21	18.11	2	18.5
		1	99	18.25	18.19	18.16	2	18.5
		50	0	17.17	17.14	17.15	3	17.5
		50	25	17.09	17.11	17.05	3	17.5
		50	50	17.03	17.05	17.08	3	17.5
		100	0	16.99	16.97	17.02	3	17.5
BW	MCS Index	Channel		132047	132322	132597	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1717.5	1745	1772.5		
15M	QPSK	1	0	19.92	19.84	19.84	0	20.5
		1	37	19.97	19.87	19.94	0	20.5
		1	74	19.89	19.84	19.89	0	20.5
		36	0	18.83	18.54	18.74	1	19.5
		36	19	18.94	18.92	18.94	1	19.5
		36	39	18.75	18.78	18.87	1	19.5
		75	0	18.86	18.86	18.84	1	19.5
	16QAM	1	0	18.72	18.87	18.89	1	19.5
		1	37	18.72	18.94	19.02	1	19.5
		1	74	18.69	19.12	19.01	1	19.5
		36	0	17.97	17.99	18.07	2	18.5
		36	19	17.79	17.96	17.96	2	18.5
		36	39	17.92	17.94	18.01	2	18.5
		75	0	17.99	17.87	17.97	2	18.5
	64QAM	1	0	18.10	18.00	18.05	2	18.5
		1	37	18.15	18.08	18.04	2	18.5
		1	74	18.17	18.04	18.09	2	18.5
		36	0	17.10	17.04	17.05	3	17.5
		36	19	17.01	17.01	16.91	3	17.5
		36	39	16.96	16.96	16.98	3	17.5
		75	0	16.96	16.83	16.99	3	17.5
BW	MCS Index	Channel		132022	132322	132622	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1715	1745	1775		
10M	QPSK	1	0	19.85	19.94	19.87	0	20.5
		1	24	19.99	19.82	19.99	0	20.5
		1	49	19.83	19.81	19.88	0	20.5
		25	0	18.86	18.53	18.73	1	19.5
		25	12	18.93	18.87	18.94	1	19.5
		25	25	18.77	18.77	18.87	1	19.5
		50	0	18.86	18.88	18.79	1	19.5
	16QAM	1	0	18.68	18.80	18.89	1	19.5
		1	24	18.73	18.93	19.02	1	19.5
		1	49	18.73	19.07	18.99	1	19.5
		25	0	17.93	17.99	18.06	2	18.5
		25	12	17.85	17.92	18.00	2	18.5
		25	25	17.87	17.96	17.98	2	18.5
		50	0	17.98	17.84	18.04	2	18.5
	64QAM	1	0	18.08	17.99	18.04	2	18.5
		1	24	18.14	18.09	18.07	2	18.5
		1	49	18.21	18.05	18.06	2	18.5
		25	0	17.05	16.98	17.11	3	17.5
		25	12	17.07	17.07	16.89	3	17.5
		25	25	16.93	16.89	16.96	3	17.5
		50	0	16.97	16.85	16.98	3	17.5
BW	MCS Index	Channel		131997	132322	132647	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1712.5	1745	1777.5		
5M	QPSK	1	0	19.88	19.81	19.87	0	20.5
		1	12	19.99	19.82	19.98	0	20.5
		1	24	19.86	19.77	19.92	0	20.5
		12	0	18.85	18.54	18.70	1	19.5
		12	6	18.87	18.93	18.94	1	19.5
		12	13	18.79	18.80	18.88	1	19.5
		25	0	18.81	18.88	18.82	1	19.5
	16QAM	1	0	18.68	18.83	18.93	1	19.5
		1	12	18.68	18.97	18.99	1	19.5
		1	24	18.73	19.06	19.02	1	19.5
		12	0	17.91	18.01	18.00	2	18.5
		12	6	17.81	17.98	17.95	2	18.5
		12	13	17.88	17.95	18.01	2	18.5
		25	0	17.94	17.85	18.00	2	18.5
	64QAM	1	0	18.09	17.98	18.07	2	18.5
		1	12	18.09	18.13	18.03	2	18.5
		1	24	18.15	18.11	18.09	2	18.5
		12	0	17.07	17.01	17.05	3	17.5
		12	6	17.00	17.08	16.95	3	17.5
		12	13	16.94	16.92	16.94	3	17.5
		25	0	16.92	16.89	16.97	3	17.5
BW	MCS Index	Channel		131987	132322	132657	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1711.5	1745	1778.5		
3M	QPSK	1	0	19.87	19.86	19.86	0	20.5
		1	7	19.94	19.85	19.98	0	20.5
		1	14	19.85	19.78	19.88	0	20.5
		8	0	18.82	18.54	18.73	1	19.5
		8	3	18.87	18.92	18.93	1	19.5
		8	7	18.75	18.84	18.87	1	19.5
		15	0	18.83	18.85	18.79	1	19.5
	16QAM	1	0	18.67	18.87	18.93	1	19.5
		1	7	18.71	18.94	19.00	1	19.5
		1	14	18.73	19.06	19.03	1	19.5
		8	0	17.91	18.03	18.03	2	18.5
		8	3	17.84	17.94	17.99	2	18.5
		8	7	17.93	17.93	17.98	2	18.5
		15	0	17.94	17.84	18.03	2	18.5
	64QAM	1	0	18.15	18.01	18.01	2	18.5
		1	7	18.12	18.07	18.03	2	18.5
		1	14	18.22	18.06	18.09	2	18.5
		8	0	17.06	17.04	17.06	3	17.5
		8	3	17.06	17.01	16.96	3	17.5
		8	7	16.90	16.93	16.97	3	17.5
		15	0	16.96	16.83	16.99	3	17.5
BW	MCS Index	Channel		131979	132322	132665	3GPP MPR	Max. Tune-up
		Frequence (MHz)		1710.7	1745	1779.3		
1.4M	QPSK	1	0	19.85	19.84	19.87	0	20.5
		1	2	19.98	19.84	19.98	0	20.5
		1	5	19.89	19.78	19.88	0	20.5
		3	0	19.83	19.51	19.73	0	20.5
		3	1	19.94	19.92	19.91	0	20.5
		3	3	19.78	19.77	19.83	0	20.5
		6	0	18.86	18.84	18.85	1	19.5
	16QAM	1	0	18.70	18.81	18.90	1	19.5
		1	2	18.74	18.91	19.02	1	19.5
		1	5	18.70	19.06	19.03	1	19.5
		3	0	18.95	19.02	19.03	1	19.5
		3	1	18.79	18.99	18.96	1	19.5
		3	3	18.91	18.95	19.02	1	19.5
		6	0	17.94	17.90	18.00	2	18.5
	64QAM	1	0	18.09	17.98	18.07	2	18.5
		1	2	18.09	18.13	18.04	2	18.5
		1	5	18.21	18.04	18.09	2	18.5
		3	0	18.03	18.00	18.05	2	18.5
		3	1	18.02	18.07	17.91	2	18.5
		3	3	17.93	17.89	18.01	2	18.5
		6	0	16.94	16.86	16.95	3	17.5

Full Power

n2 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequence (MHz)		1860	1880	1900	
20M	CP-OFDM QPSK	1	1	22.78	22.92	22.90	24
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequence (MHz)		1857.5	1880	1902.5	
15M	CP-OFDM QPSK	1	1	22.74	22.67	22.63	24
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequence (MHz)		1855	1880	1905	
10M	CP-OFDM QPSK	1	1	22.49	22.56	22.58	24
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequence (MHz)		1852.5	1880	1907.5	
5M	CP-OFDM QPSK	1	1	22.80	22.94	22.87	24

Full Power

n2 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequence (MHz)		1860	1880	1900	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	24.06	24.05	24.07	25
		1	53	23.94	23.98	24.01	25
		1	104	24.15	24.17	24.25	25
		50	0	23.57	23.67	23.64	25
		50	28	24.14	24.16	24.25	25
		50	56	23.58	23.74	23.63	25
		100	0	23.58	23.69	23.75	25
	DFT-s-OFDM QPSK	1	1	24.21	24.24	24.32	25
		1	53	24.02	24.16	24.15	25
		1	104	24.01	24.02	24.25	25
		50	0	23.05	23.09	23.13	25
		50	28	24.10	24.17	24.26	25
		50	56	23.07	23.19	23.17	25
		100	0	23.10	23.12	23.22	24
	DFT-s-OFDM 16QAM	1	1	22.67	22.71	22.94	24
	DFT-s-OFDM 64QAM	1	1	21.32	21.27	21.74	23
	DFT-s-OFDM 256QAM	1	1	20.01	20.04	19.98	21
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequence (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	23.85	24.07	23.89	25
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequence (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.05	24.09	23.12	25
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequence (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	24.07	24.12	24.18	25

Full Power

n5 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequence (MHz)		834	836.5	839	
20M	CP-OFDM QPSK	1	1	22.18	22.31	22.13	23.5
BW	MCS Index	Channel		166300	167300	168300	Max. Tune-up
		Frequence (MHz)		831.5	836.5	841.5	
15M	CP-OFDM QPSK	1	1	22.11	22.13	22.10	23.5
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
		Frequence (MHz)		829	836.5	844	
10M	CP-OFDM QPSK	1	1	22.24	22.20	22.19	23.5
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
		Frequence (MHz)		826.5	836.5	846.5	
5M	CP-OFDM QPSK	1	1	22.19	22.33	22.22	23.5

Full Power

n5 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequence (MHz)		834	836.5	839	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.58	23.68	23.54	24.5
		1	53	23.62	23.72	23.71	24.5
		1	104	23.63	23.65	23.69	24.5
		50	0	23.17	23.22	23.24	24.5
		50	28	23.67	23.71	23.69	24.5
		50	56	23.14	23.12	23.10	24.5
		100	0	23.19	23.20	23.17	24.5
	DFT-s-OFDM QPSK	1	1	23.65	23.74	23.72	24.5
		1	53	23.60	22.65	23.69	24.5
		1	104	23.57	23.68	23.64	24.5
		50	0	22.62	22.73	22.65	24.5
		50	28	23.64	23.72	23.70	24.5
		50	56	22.61	22.66	22.69	24.5
		100	0	22.70	22.76	22.68	23.5
	DFT-s-OFDM 16QAM	1	1	21.63	21.62	21.94	22.5
	DFT-s-OFDM 64QAM	1	1	21.14	21.16	21.32	22.5
	DFT-s-OFDM 256QAM	1	1	19.13	19.17	19.23	20.5
BW	MCS Index	Channel		166300	167300	168300	Max. Tune-up
		Frequence (MHz)		831.5	836.5	841.5	
15M	DFT-s-OFDM QPSK	1	1	23.31	23.59	23.56	24.5
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
		Frequence (MHz)		829	836.5	844	
10M	DFT-s-OFDM QPSK	1	1	23.48	23.59	23.57	24.5
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
		Frequence (MHz)		826.5	836.5	846.5	
5M	DFT-s-OFDM QPSK	1	1	23.61	22.67	23.65	24.5

Full Power

n7 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		502000	507000	512000	
		Frequence (MHz)		2510	2535	2560	
20M	CP-OFDM QPSK	1	1	22.43	22.77	22.35	24
BW	MCS Index	Channel		501500	507000	512500	Max. Tune-up
		Frequence (MHz)		2507.5	2535	2562.5	
15M	CP-OFDM QPSK	1	1	22.39	22.45	22.48	24
BW	MCS Index	Channel		501000	507000	513000	Max. Tune-up
		Frequence (MHz)		2505	2535	2565	
10M	CP-OFDM QPSK	1	1	22.47	22.54	22.58	24
BW	MCS Index	Channel		500500	507000	513500	Max. Tune-up
		Frequence (MHz)		2502.5	2535	2567.5	
5M	CP-OFDM QPSK	1	1	22.67	22.59	22.70	24

Full Power

n7 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		502000	507000	512000	
		Frequence (MHz)		2510	2535	2560	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	24.21	23.63	24.17	25
		1	53	24.31	24.07	24.13	25
		1	104	24.32	24.22	24.15	25
		50	0	23.54	23.58	23.72	25
		50	28	24.21	24.13	24.08	25
		50	56	23.67	23.58	23.61	25
		100	0	23.62	23.60	23.67	24
	DFT-s-OFDM QPSK	1	1	24.09	24.66	24.19	25
		1	53	24.14	24.17	24.10	25
		1	104	23.99	24.08	24.11	25
		50	0	23.09	23.07	23.14	25
		50	28	24.07	24.45	24.12	25
		50	56	23.04	23.10	23.05	24
		100	0	23.03	23.36	23.09	24
	DFT-s-OFDM 16QAM	1	1	22.64	22.57	22.63	23
	DFT-s-OFDM 64QAM	1	1	21.26	21.17	21.07	22
	DFT-s-OFDM 256QAM	1	1	19.87	19.98	19.73	21
BW	MCS Index	Channel		501500	507000	512500	Max. Tune-up
		Frequence (MHz)		2507.5	2535	2562.5	
15M	DFT-s-OFDM QPSK	1	1	23.98	23.97	24.02	25
BW	MCS Index	Channel		501000	507000	513000	Max. Tune-up
		Frequence (MHz)		2505	2535	2565	
10M	DFT-s-OFDM QPSK	1	1	24.14	24.05	24.11	25
BW	MCS Index	Channel		500500	507000	513500	Max. Tune-up
		Frequence (MHz)		2502.5	2535	2567.5	
5M	DFT-s-OFDM QPSK	1	1	24.18	24.11	24.15	25

Full Power

n12 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		141300	141500	141700	
		Frequence (MHz)		706.5	707.5	708.5	
15M	CP-OFDM QPSK	1	1	22.34	22.37	22.29	23.5
BW	MCS Index	Channel		140800	141500	142200	Max. Tune-up
		Frequence (MHz)		704	707.5	711	
10M	CP-OFDM QPSK	1	1	22.19	22.24	22.31	23.5
BW	MCS Index	Channel		140300	141500	142700	Max. Tune-up
		Frequence (MHz)		701.5	707.5	713.5	
5M	CP-OFDM QPSK	1	1	22.27	22.22	22.17	23.5

Full Power

n12 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		141300	141500	141700	
		Frequence (MHz)		706.5	707.5	708.5	
15M	DFT-s-OFDM Pi/2 BPSK	1	1	23.73	23.62	23.64	24.5
		1	39	23.64	23.69	23.72	24.5
		1	77	23.57	23.64	23.65	24.5
		36	0	23.27	23.26	23.24	24.5
		36	19	23.56	23.52	23.67	24.5
		36	39	23.22	23.18	23.17	24.5
		75	0	23.24	23.22	23.20	24.5
	DFT-s-OFDM QPSK	1	1	23.82	23.78	23.75	24.5
		1	39	23.71	23.72	23.74	24.5
		1	77	23.47	23.44	23.48	24.5
		36	0	22.77	22.73	22.72	24.5
		36	19	23.75	23.72	23.70	24.5
		36	39	22.65	22.67	22.64	24.5
		75	0	22.72	22.69	22.68	24.5
	DFT-s-OFDM 16QAM	1	1	22.45	22.42	22.50	23.5
	DFT-s-OFDM 64QAM	1	1	21.36	21.38	21.48	22.5
	DFT-s-OFDM 256QAM	1	1	19.76	19.80	19.73	21.5
BW	MCS Index	Channel		140800	141500	142200	Max. Tune-up
		Frequence (MHz)		704	707.5	711	
10M	DFT-s-OFDM QPSK	1	1	23.57	23.63	23.61	24.5
BW	MCS Index	Channel		140300	141500	142700	Max. Tune-up
		Frequence (MHz)		701.5	707.5	713.5	
5M	DFT-s-OFDM QPSK	1	1	23.67	23.77	23.74	24.5

Full Power

n25 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376500	381000	
		Frequence (MHz)		1860	1882.5	1905	
20M	CP-OFDM QPSK	1	1	22.55	22.53	22.57	24
BW	MCS Index	Channel		371500	376500	381500	Max. Tune-up
		Frequence (MHz)		1857.5	1882.5	1907.5	
15M	CP-OFDM QPSK	1	1	22.45	22.43	22.44	24
BW	MCS Index	Channel		371000	376500	382000	Max. Tune-up
		Frequence (MHz)		1855	1882.5	1910	
10M	CP-OFDM QPSK	1	1	22.38	22.43	22.25	24
BW	MCS Index	Channel		370500	376500	382500	Max. Tune-up
		Frequence (MHz)		1852.5	1882.5	1912.5	
5M	CP-OFDM QPSK	1	1	22.34	22.49	22.57	24

Full Power

n25 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376500	381000	
		Frequence (MHz)		1860	1882.5	1905	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	24.02	24.04	24.07	25
		1	53	24.13	24.21	24.22	25
		1	104	24.11	24.18	24.14	25
		50	0	23.57	23.59	23.69	25
		50	28	24.12	24.17	24.21	25
		50	56	23.59	23.58	23.48	25
		100	0	23.32	23.39	23.36	25
	DFT-s-OFDM QPSK	1	1	24.25	24.26	24.24	25
		1	53	23.96	23.99	24.03	25
		1	104	24.04	24.07	24.11	25
		50	0	23.04	23.05	23.16	25
		50	28	24.15	24.23	24.21	25
		50	56	23.02	23.13	22.91	25
		100	0	23.44	23.47	23.43	24
	DFT-s-OFDM 16QAM	1	1	22.65	22.67	22.78	24
	DFT-s-OFDM 64QAM	1	1	21.16	21.19	21.24	23
	DFT-s-OFDM 256QAM	1	1	19.87	19.91	19.97	21
BW	MCS Index	Channel		371500	376500	381500	Max. Tune-up
		Frequence (MHz)		1857.5	1882.5	1907.5	
15M	DFT-s-OFDM QPSK	1	1	23.78	23.87	23.92	25
BW	MCS Index	Channel		371000	376500	382000	Max. Tune-up
		Frequence (MHz)		1855	1882.5	1910	
10M	DFT-s-OFDM QPSK	1	1	23.96	23.97	23.99	25
BW	MCS Index	Channel		370500	376500	382500	Max. Tune-up
		Frequence (MHz)		1852.5	1882.5	1912.5	
5M	DFT-s-OFDM QPSK	1	1	23.97	23.94	23.99	25

Full Power

n38 (SCS 30 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		516000	519000	522000	
		Frequence (MHz)		2580	2595	2610	
20M	CP-OFDM QPSK	1	1	22.67	22.77	22.73	24
BW	MCS Index	Channel		515500	519000	522500	Max. Tune-up
		Frequence (MHz)		2577.5	2595	2612.5	
15M	CP-OFDM QPSK	1	1	22.75	22.73	22.69	24
BW	MCS Index	Channel		515000	519000	523000	Max. Tune-up
		Frequence (MHz)		2575	2595	2615	
10M	CP-OFDM QPSK	1	1	22.83	22.81	22.79	24

Full Power

n38 (SCS 30 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		516000	519000	522000	
		Frequence (MHz)		2580	2595	2610	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	24.10	24.07	24.05	25
		1	26	24.11	24.26	24.17	25
		1	49	24.13	24.10	24.12	25
		25	0	23.64	23.61	23.62	25
		25	13	24.12	24.19	24.11	25
		25	26	23.68	23.58	23.61	25
		50	0	22.69	23.46	23.62	25
	DFT-s-OFDM QPSK	1	1	24.15	24.27	24.19	25
		1	26	23.98	24.03	23.98	25
		1	49	23.69	24.13	24.00	25
		25	0	23.15	23.17	23.10	25
		25	13	24.17	24.21	24.11	25
		25	26	23.10	23.13	23.08	25
		50	0	23.20	23.53	23.04	24
	DFT-s-OFDM 16QAM	1	1	22.71	22.73	22.65	24
	DFT-s-OFDM 64QAM	1	1	21.37	21.49	21.43	23
	DFT-s-OFDM 256QAM	1	1	20.02	20.15	20.01	21
BW	MCS Index	Channel		515500	519000	522500	Max. Tune-up
		Frequence (MHz)		2577.5	2595	2612.5	
15M	DFT-s-OFDM QPSK	1	1	24.06	24.03	24.01	25
BW	MCS Index	Channel		515000	519000	523000	Max. Tune-up
		Frequence (MHz)		2575	2595	2615	
10M	DFT-s-OFDM QPSK	1	1	24.08	24.06	24.05	25

Full Power

n41 (SCS 30 kHz) PC3							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequence (MHz)		2546.01	2592.99	2640	
100	CP-OFDM QPSK	1	137	22.83	22.81	22.46	23.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequence (MHz)		2541	2592.99	2644.98	
90M	CP-OFDM QPSK	1	123	22.69	22.39	22.53	23.5
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequence (MHz)		2536.02	2592.99	2649.99	
80M	CP-OFDM QPSK	1	109	22.61	22.62	22.38	23.5
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequence (MHz)		2531.01	2592.99	2655	
70M	CP-OFDM QPSK	1	95	22.51	22.59	22.44	23.5
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequence (MHz)		2526	2592.99	2659.98	
60M	CP-OFDM QPSK	1	81	22.59	22.54	22.34	23.5
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequence (MHz)		2521.02	2592.99	2664.99	
50M	CP-OFDM QPSK	1	67	22.61	22.63	22.31	23.5
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequence (MHz)		2516.01	2592.99	2670	
40M	CP-OFDM QPSK	1	53	22.67	22.72	22.28	23.5
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequence (MHz)		2506.02	2592.99	2679.99	
20M	CP-OFDM QPSK	1	26	22.85	22.87	22.38	23.5
BW	MCS Index	Channel		500700	518598	536496	Max. Tune-up
		Frequence (MHz)		2503.5	2592.99	2682.48	
15M	CP-OFDM QPSK	1	19	22.81	22.77	22.45	23.5
BW	MCS Index	Channel		500202	518598	537000	Max. Tune-up
		Frequence (MHz)		2501.01	2592.99	2685	
10M	CP-OFDM QPSK	1	12	22.79	22.81	22.41	23.5

Full Power

n41 (SCS 30 kHz) PC3							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequence (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	22.07	22.06	22.04	23.5
		1	137	22.86	22.76	22.57	23.5
		1	271	22.18	21.77	21.63	23.5
		135	0	22.72	22.78	22.49	23.5
		135	69	22.83	22.81	22.66	23.5
		135	138	22.81	22.62	22.52	23.5
		270	0	22.79	22.67	22.50	23.5
	DFT-s-OFDM QPSK	1	1	21.94	21.97	21.99	23.5
		1	137	22.89	22.83	22.72	23.5
		1	271	22.19	21.78	21.75	23.5
		135	0	22.78	22.81	22.60	23.5
		135	69	22.84	22.83	22.67	23.5
		135	138	22.80	22.58	22.47	23.5
		270	0	22.77	22.65	22.49	23.5
	DFT-s-OFDM 16QAM	1	137	22.39	21.97	22.13	23.5
	DFT-s-OFDM 64QAM	1	137	22.28	22.10	22.26	23.5
	DFT-s-OFDM 256QAM	1	137	21.63	21.51	21.33	22.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequence (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	123	22.72	22.58	22.34	23.5
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequence (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	109	22.62	22.68	22.37	23.5
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequence (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	95	22.47	22.63	22.24	23.5
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequence (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	81	22.52	22.55	22.18	23.5
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequence (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	67	22.54	22.51	22.21	23.5
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequence (MHz)		2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	1	53	22.57	22.54	22.14	23.5
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequence (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	26	22.63	22.67	22.27	23.5
BW	MCS Index	Channel		500700	518598	536496	Max. Tune-up
		Frequence (MHz)		2503.5	2592.99	2682.48	
15M	DFT-s-OFDM QPSK	1	19	22.67	22.65	22.39	23.5
BW	MCS Index	Channel		500202	518598	537000	Max. Tune-up
		Frequence (MHz)		2501.01	2592.99	2685	
10M	DFT-s-OFDM QPSK	1	12	22.73	22.74	22.35	23.5

Full Power

n48(SCS 30 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequence (MHz)		3570	3624.99	3679.98	
40M	CP-OFDM QPSK	1	53	20.61	20.77	21.15	22
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequence (MHz)		3560.01	3624.99	3690	
20M	CP-OFDM QPSK	1	26	20.18	20.79	21.02	22
BW	MCS Index	Channel		637168	641666	646166	Max. Tune-up
		Frequence (MHz)		3557.52	3624.99	3692.49	
15M	CP-OFDM QPSK	1	19	20.55	20.63	21.17	22
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequence (MHz)		3555	3624.99	3694.98	
10M	CP-OFDM QPSK	1	12	20.34	20.84	21.13	22

Full Power

n48 (SCS 30 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequence (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	21.69	21.81	21.28	23
		1	53	21.29	21.94	22.26	23
		1	104	21.18	21.57	22.16	23
		50	0	21.56	21.37	21.32	23
		50	28	21.29	22.37	22.18	23
		50	56	21.78	21.66	21.75	23
		100	0	21.71	21.75	21.53	23
	DFT-s-OFDM QPSK	1	1	21.72	21.89	21.32	23
		1	53	21.46	22.44	22.27	23
		1	104	21.27	21.77	22.07	23
		50	0	21.30	21.28	20.83	23
		50	28	21.27	22.33	22.14	23
		50	56	21.29	21.11	21.27	23
		100	0	21.20	21.21	21.04	22
	DFT-s-OFDM 16QAM	1	53	20.72	20.98	21.35	22
	DFT-s-OFDM 64QAM	1	53	18.74	19.40	19.65	20
	DFT-s-OFDM 256QAM	1	53	17.39	18.10	18.42	19
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequence (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	26	21.72	22.32	22.31	23
BW	MCS Index	Channel		637168	641666	646166	Max. Tune-up
		Frequence (MHz)		3557.52	3624.99	3692.49	
15M	DFT-s-OFDM QPSK	1	19	21.84	22.26	22.30	23
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequence (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	12	21.71	22.21	22.31	23

Full Power

n66 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequence (MHz)		1730	1745	1760	
40M	CP-OFDM QPSK	1	108	22.52	22.53	22.43	23.5
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequence (MHz)		1725	1745	1765	
30M	CP-OFDM QPSK	1	80	22.47	22.55	22.50	23.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequence (MHz)		1720	1745	1770	
20M	CP-OFDM QPSK	1	53	22.57	22.63	22.57	23.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequence (MHz)		1717.5	1745	1772.5	
15M	CP-OFDM QPSK	1	39	22.51	22.49	22.54	23.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequence (MHz)		1715	1745	1775	
10M	CP-OFDM QPSK	1	26	22.59	22.60	22.51	23.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequence (MHz)		1712.5	1745	1777.5	
5M	CP-OFDM QPSK	1	13	22.36	22.48	22.57	23.5

Full Power

n66 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequence (MHz)		1730	1745	1760	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	23.54	23.49	23.57	24.5
		1	108	23.91	23.93	23.98	24.5
		1	214	23.44	23.60	23.59	24.5
		108	0	23.25	23.51	23.24	24.5
		108	54	24.00	24.04	24.02	24.5
		108	108	23.53	23.60	23.56	24.5
		216	0	23.40	23.64	23.44	24.5
	DFT-s-OFDM QPSK	1	1	23.56	23.53	23.64	24.5
		1	108	24.09	24.08	24.06	24.5
		1	214	23.59	23.62	23.57	24.5
		108	0	23.02	23.11	23.09	24.5
		108	54	24.07	24.03	24.01	24.5
		108	108	23.03	23.08	23.05	24.5
		216	0	23.11	23.09	23.06	23.5
	DFT-s-OFDM 16QAM	1	108	22.67	22.75	22.69	23.5
	DFT-s-OFDM 64QAM	1	108	21.42	21.21	21.26	22.5
	DFT-s-OFDM 256QAM	1	108	19.95	19.98	19.96	21.5
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequence (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	80	23.80	23.94	23.93	24.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequence (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	53	23.88	23.83	24.01	24.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequence (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	39	23.92	23.95	23.99	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequence (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	26	23.82	23.84	24.03	24.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequence (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	13	23.87	23.86	23.98	24.5

Full Power

n71 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		134600	136100	137600	
		Frequence (MHz)		673	680.5	688	
20M	CP-OFDM QPSK	1	1	22.07	22.10	22.16	23.5
BW	MCS Index	Channel		134100	136100	138100	Max. Tune-up
		Frequence (MHz)		670.5	680.5	690.5	
15M	CP-OFDM QPSK	1	1	22.16	21.96	22.03	23.5
BW	MCS Index	Channel		133600	136100	138600	Max. Tune-up
		Frequence (MHz)		668	680.5	693	
10M	CP-OFDM QPSK	1	1	22.14	22.17	22.12	23.5
BW	MCS Index	Channel		133100	136100	139100	Max. Tune-up
		Frequence (MHz)		665.5	680.5	695.5	
5M	CP-OFDM QPSK	1	1	22.26	22.15	22.08	23.5

Full Power

n71 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		134600	136100	137600	
		Frequence (MHz)		673	680.5	688	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.67	23.61	23.62	24.5
		1	53	23.64	23.66	23.61	24.5
		1	104	23.60	23.58	23.64	24.5
		50	0	23.18	23.13	23.19	24.5
		50	28	23.69	23.46	23.48	24.5
		50	56	23.12	23.07	23.11	24.5
		100	0	23.14	23.11	23.21	24.5
	DFT-s-OFDM QPSK	1	1	23.73	23.68	23.70	24.5
		1	53	23.52	23.62	23.66	24.5
		1	104	23.54	23.55	23.63	24.5
		50	0	22.71	22.62	22.65	24.5
		50	28	23.74	23.65	23.72	24.5
		50	56	22.60	22.56	22.59	24.5
		100	0	22.72	22.68	22.70	23.5
	DFT-s-OFDM 16QAM	1	1	22.41	22.22	21.98	23.5
	DFT-s-OFDM 64QAM	1	1	20.87	20.96	20.91	21.5
	DFT-s-OFDM 256QAM	1	1	19.57	19.23	19.15	20.5
BW	MCS Index	Channel		134100	136100	138100	Max. Tune-up
		Frequence (MHz)		670.5	680.5	690.5	
15M	DFT-s-OFDM QPSK	1	1	23.62	23.58	23.44	24.5
BW	MCS Index	Channel		133600	136100	138600	Max. Tune-up
		Frequence (MHz)		668	680.5	693	
10M	DFT-s-OFDM QPSK	1	1	23.58	23.63	23.56	24.5
BW	MCS Index	Channel		133100	136100	139100	Max. Tune-up
		Frequence (MHz)		665.5	680.5	695.5	
5M	DFT-s-OFDM QPSK	1	1	23.72	23.71	23.68	24.5

Full Power

N77(Part27Q) (SCS 30 kHz) PC3

BW	MCS Index	RB Size	RB Offset	Channel / Frequency (MHz)	Mid		Max. Tune-up (dBm)
					633334 / 3500.01		
100M	CP-OFDM-QPSK	1	137		21.31		22
BW	MCS Index	Channel / Frequency (MHz)		633000 / 3496	633334 / 3500.01	633666 / 3504.99	Max. Tune-up
90M	CP-OFDM-QPSK	1	123	20.72	20.86	20.58	22
BW	MCS Index	Channel / Frequency (MHz)		632668 / 3490.02	633334 / 3500.01	634000 / 3510	Max. Tune-up
80M	CP-OFDM-QPSK	1	109	20.76	20.58	20.54	22
BW	MCS Index	Channel / Frequency (MHz)		632334 / 3485.01	633334 / 3500.01	634332 / 3514.99	Max. Tune-up
70M	CP-OFDM-QPSK	1	95	21.05	20.97	20.86	22
BW	MCS Index	Channel / Frequency (MHz)		632000 / 3480	633334 / 3500.01	634666 / 3519.99	Max. Tune-up
60M	CP-OFDM-QPSK	1	81	20.85	20.79	20.88	22
BW	MCS Index	Channel / Frequency (MHz)		631668 / 3475.02	633334 / 3500.01	634998 / 3524.97	Max. Tune-up
50M	CP-OFDM-QPSK	1	67	20.96	20.81	20.44	22
BW	MCS Index	Channel / Frequency (MHz)		631334 / 3470.01	633334 / 3500.01	635332 / 3529.99	Max. Tune-up
40M	CP-OFDM-QPSK	1	53	21.15	20.87	20.44	22
BW	MCS Index	Channel / Frequency (MHz)		631002 / 3465.03	633334 / 3500.01	635664 / 3534.95	Max. Tune-up
30M	CP-OFDM-QPSK	1	39	21.10	20.84	20.34	22
BW	MCS Index	Channel / Frequency (MHz)		630668 / 3460.02	633334 / 3500.01	636000 / 3540	Max. Tune-up
20M	CP-OFDM-QPSK	1	26	21.05	20.83	20.23	22
BW	MCS Index	Channel / Frequency (MHz)		630333 / 3457.5	633334 / 3500.01	636165 / 3542.49	Max. Tune-up
15M	CP-OFDM-QPSK	1	19	21.09	21.19	20.87	22
BW	MCS Index	Channel / Frequency (MHz)		630334 / 3455.01	633334 / 3500.01	636332 / 3544.99	Max. Tune-up
10M	CP-OFDM-QPSK	1	12	21.25	21.24	21.19	22

Full Power

N77(Part27Q) (SCS 30 kHz) PC3

BW	MCS Index	RB Size	RB Offset	Channel / Frequency (MHz)	Mid		Max. Tune-up (dBm)
					633334 / 3500.01		
100M	DFT-s-OFDM PI/2 BPSK	1	1		21.40		23
		1	137		22.02		23
		1	271		21.16		23
		135	0		21.98		23
		135	69		22.00		23
		135	138		21.57		23
		270	0		21.80		23
	DFT-s-OFDM QPSK	1	1		21.46		23
		1	137		22.09		23
		1	271		21.56		23
		135	0		22.03		23
		135	69		22.04		23
		135	138		21.60		23
		270	0		21.84		23
	DFT-s-OFDM 16QAM	1	137		21.58		23
	DFT-s-OFDM 64QAM	1	137		21.74		23
	DFT-s-OFDM 256QAM	1	137		20.83		22
BW	MCS Index	Channel / Frequency (MHz)		633000 / 3496	633334 / 3500.01	633666 / 3504.99	Max. Tune-up
90M	DFT-s-OFDM-QPSK	1	123	21.67	21.56	21.55	23
BW	MCS Index	Channel / Frequency (MHz)		632668 / 3490.02	633334 / 3500.01	634000 / 3510	Max. Tune-up
80M	DFT-s-OFDM-QPSK	1	109	21.65	21.64	21.31	23
BW	MCS Index	Channel / Frequency (MHz)		632334 / 3485.01	633334 / 3500.01	634332 / 3514.99	Max. Tune-up
70M	DFT-s-OFDM-QPSK	1	95	21.76	22.03	21.93	23
BW	MCS Index	Channel / Frequency (MHz)		632000 / 3480	633334 / 3500.01	634666 / 3519.99	Max. Tune-up
60M	DFT-s-OFDM-QPSK	1	81	21.72	21.67	21.74	23
BW	MCS Index	Channel / Frequency (MHz)		631668 / 3475.02	633334 / 3500.01	634998 / 3524.97	Max. Tune-up
50M	DFT-s-OFDM-QPSK	1	67	21.79	21.60	21.22	23
BW	MCS Index	Channel / Frequency (MHz)		631334 / 3470.01	633334 / 3500.01	635332 / 3529.99	22.5
40M	DFT-s-OFDM-QPSK	1	53	21.84	21.61	21.17	23
BW	MCS Index	Channel / Frequency (MHz)		631002 / 3465.03	633334 / 3500.01	635664 / 3534.95	Max. Tune-up
30M	DFT-s-OFDM-QPSK	1	39	21.85	21.60	21.72	23
BW	MCS Index	Channel / Frequency (MHz)		630668 / 3460.02	633334 / 3500.01	636000 / 3540	Max. Tune-up
20M	DFT-s-OFDM-QPSK	1	26	21.78	21.55	21.68	23
BW	MCS Index	Channel / Frequency (MHz)		630333 / 3457.5	633334 / 3500.01	636165 / 3542.49	Max. Tune-up
15M	DFT-s-OFDM-QPSK	1	19	21.83	22.02	21.46	23
BW	MCS Index	Channel / Frequency (MHz)		630334 / 3455.01	633334 / 3500.01	636332 / 3544.99	Max. Tune-up
10M	DFT-s-OFDM-QPSK	1	12	21.97	21.73	22.05	23

Full Power

N77(Part27O) (SCS 30 kHz) PC3

BW	MCS Index	RB Size	RB Offset	Channel / Frequency (MHz)	Low	Mid	High	Max. Tune-up (dBm)
					650000 / 3750	650000 / 3840	650000 / 3930	
100M	CP-OFDM-QPSK	1	137		20.90	20.86	20.80	21.5
BW	MCS Index	Channel / Frequency (MHz)		649668 / 3745.02	650000 / 3840	650332 / 3934.92	Max. Tune-up	
90M	CP-OFDM-QPSK	1	123	20.94	20.79	20.72	21.5	
BW	MCS Index	Channel / Frequency (MHz)		649334 / 3740.01	650000 / 3840	650666 / 3939.99	Max. Tune-up	
80M	CP-OFDM-QPSK	1	109	20.68	20.76	20.74	21.5	
BW	MCS Index	Channel / Frequency (MHz)		649002 / 3735.03	650000 / 3840	650998 / 3944.98	Max. Tune-up	
70M	CP-OFDM-QPSK	1	95	20.67	20.72	20.65	21.5	
BW	MCS Index	Channel / Frequency (MHz)		648668 / 3730.02	650000 / 3840	651332 / 3949.98	Max. Tune-up	
60M	CP-OFDM-QPSK	1	81	20.60	20.72	20.69	21.5	
BW	MCS Index	Channel / Frequency (MHz)		648335 / 3725.04	650000 / 3840	651666 / 3954.99	Max. Tune-up	
50M	CP-OFDM-QPSK	1	67	20.63	20.69	20.69	21.5	
BW	MCS Index	Channel / Frequency (MHz)		648000 / 3720	650000 / 3840	652000 / 3960	Max. Tune-up	
40M	CP-OFDM-QPSK	1	53	20.62	20.65	20.61	21.5	
BW	MCS Index	Channel / Frequency (MHz)		647670 / 3715.05	650000 / 3840	652332 / 3964.95	Max. Tune-up	
30M	CP-OFDM-QPSK	1	39	20.55	20.65	20.64	21.5	
BW	MCS Index	Channel / Frequency (MHz)		647334 / 3710.01	650000 / 3840	652666 / 3969.99	Max. Tune-up	
20M	CP-OFDM-QPSK	1	26	20.58	20.62	20.64	21.5	
BW	MCS Index	Channel / Frequency (MHz)		647166 / 3707.49	650000 / 3840	652832 / 3972.48	Max. Tune-up	
15M	CP-OFDM-QPSK	1	19	20.57	20.67	20.63	21.5	
BW	MCS Index	Channel / Frequency (MHz)		647000 / 3705	650000 / 3840	652998 / 3974.97	Max. Tune-up	
10M	CP-OFDM-QPSK	1	12	20.91	20.92	20.55	21.5	

Full Power

N77(Part27O) (SCS 30 kHz) PC3

BW	MCS Index	RB Size	RB Offset	Channel / Frequency (MHz)	Low	Mid	High	Max. Tune-up (dBm)
					650000 / 3750	650000 / 3840	650000 / 3930	
100M	DFT-s-OFDM PI/2 BPSK	1	1		21.11	21.18	21.32	22.5
		1	137		21.32	21.33	21.28	22.5
		1	271		21.56	21.38	21.13	22.5
		135	0		21.27	21.48	21.27	22.5
		135	69		21.30	21.37	21.28	22.5
		135	138		21.38	21.02	21.33	22.5
		270	0		21.15	21.31	21.13	22.5
	DFT-s-OFDM QPSK	1	1		21.09	21.14	21.13	22.5
		1	137		21.28	21.59	21.16	22.5
		1	271		21.42	21.33	21.19	22.5
		135	0		20.92	21.42	21.26	22.5
		135	69		21.33	21.51	21.26	22.5
		135	138		21.42	21.06	20.83	22.5
		270	0		21.14	21.33	21.11	22.5
	DFT-s-OFDM 16QAM	1	137		21.07	21.08	21.11	22.5
	DFT-s-OFDM 64QAM	1	137		21.18	21.11	21.17	22.5
	DFT-s-OFDM 256QAM	1	137		20.15	20.21	20.08	21.5
BW	MCS Index	Channel / Frequency (MHz)		649668 / 3745.02	650000 / 3840	652332 / 3934.92	Max. Tune-up	
90M	DFT-s-OFDM-QPSK	1	123	21.38	21.20	21.26	22.5	
BW	MCS Index	Channel / Frequency (MHz)		649334 / 3740.01	650000 / 3840	652666 / 3939.99	Max. Tune-up	
80M	DFT-s-OFDM-QPSK	1	109	21.47	21.34	21.23	22.5	
BW	MCS Index	Channel / Frequency (MHz)		649002 / 3735.03	650000 / 3840	652998 / 3944.98	Max. Tune-up	
70M	DFT-s-OFDM-QPSK	1	95	21.32	21.19	21.00	22.5	
BW	MCS Index	Channel / Frequency (MHz)		648668 / 3730.02	650000 / 3840	653332 / 3949.98	Max. Tune-up	
60M	DFT-s-OFDM-QPSK	1	81	21.34	21.21	20.99	22.5	
BW	MCS Index	Channel / Frequency (MHz)		648335 / 3725.04	650000 / 3840	653665 / 3954.99	Max. Tune-up	
50M	DFT-s-OFDM-QPSK	1	67	21.39	21.19	20.97	22.5	
BW	MCS Index	Channel / Frequency (MHz)		648000 / 3720	650000 / 3840	654000 / 3960	Max. Tune-up	
40M	DFT-s-OFDM-QPSK	1	53	21.35	21.16	21.00	22.5	
BW	MCS Index	Channel / Frequency (MHz)		647670 / 3715.05	650000 / 3840	654332 / 3964.95	Max. Tune-up	
30M	DFT-s-OFDM-QPSK	1	39	21.40	21.23	21.05	22.5	
BW	MCS Index	Channel / Frequency (MHz)		647334 / 3710.01	650000 / 3840	654666 / 3969.99	Max. Tune-up	
20M	DFT-s-OFDM-QPSK	1	26	21.35	21.25	21.02	22.5	
BW	MCS Index	Channel / Frequency (MHz)		647166 / 3707.49	650000 / 3840	654832 / 3972.48	Max. Tune-up	
15M	DFT-s-OFDM-QPSK	1	19	21.41	21.26	21.03	22.5	
BW	MCS Index	Channel / Frequency (MHz)		647000 / 3705	650000 / 3840	654998 / 3974.97	Max. Tune-up	
10M	DFT-s-OFDM-QPSK	1	12	21.43	21.29	21.07	22.5	

Full Power

N78(Part27Q) (SCS 30 kHz) PC3

BW	MCS Index	RB Size	RB Offset	Channel / Frequence (MHz)		Mid		Max. Tune-up (dBm)
						633334 / 3500.01		
100M	CP-OFDM QPSK	1	137			21.02		22
BW	MCS Index	Channel / Frequence (MHz)						Max. Tune-up
				633000 / 3490	633334 / 3500.01	633666 / 3510.99		
90M	CP-OFDM QPSK	1	123	21.10	20.99	20.93		22
BW	MCS Index	Channel / Frequence (MHz)						Max. Tune-up
				633668 / 3490.02	633334 / 3500.01	634000 / 3510		
80M	CP-OFDM QPSK	1	109	21.08	20.90	20.75		22
BW	MCS Index	Channel / Frequence (MHz)						Max. Tune-up
				632999 / 3489	633334 / 3500.01	634666 / 3519.99		
60M	CP-OFDM QPSK	1	81	21.11	20.92	20.87		22
BW	MCS Index	Channel / Frequence (MHz)						Max. Tune-up
				631668 / 3475.02	633334 / 3500.01	634998 / 3524.97		
50M	CP-OFDM QPSK	1	67	21.19	21.02	20.79		22
BW	MCS Index	Channel / Frequence (MHz)						Max. Tune-up
				631334 / 3470.01	633334 / 3500.01	633332 / 3529.99		
40M	CP-OFDM QPSK	1	53	21.18	21.13	20.94		22
BW	MCS Index	Channel / Frequence (MHz)						Max. Tune-up
				631002 / 3465.03	633334 / 3500.01	633664 / 3534.96		
30M	CP-OFDM QPSK	1	39	21.12	20.92	20.93		22
BW	MCS Index	Channel / Frequence (MHz)						Max. Tune-up
				630669 / 3460.02	633334 / 3500.01	636000 / 3540		
20M	CP-OFDM QPSK	1	26	21.13	21.08	20.74		22
BW	MCS Index	Channel / Frequence (MHz)						Max. Tune-up
				630669 / 3457.5	633334 / 3500.01	636196 / 3542.49		
15M	CP-OFDM QPSK	1	19	21.19	21.09	20.78		22
BW	MCS Index	Channel / Frequence (MHz)						Max. Tune-up
				630334 / 3455.01	633334 / 3500.01	636332 / 3544.98		
10M	CP-OFDM QPSK	1	12	21.12	20.78	20.84		22

Full Power

N78(Part27Q) (SCS 30 kHz) PC3

BW	MCS Index	RB Size	RB Offset	Channel / Frequence (MHz)		Mid		Max. Tune-up (dBm)
						633334 / 3500.01		
100M	DFT-s-OFDM PI/2 BPSK	1	1			21.62		23
		1	137			21.93		23
		1	271			21.49		23
		135	0			21.99		23
		135	69			22.00		23
		135	138			21.56		23
		270	0			21.86		23
	DFT-s-OFDM QPSK	1	1			21.67		23
		1	137			22.19		23
		1	271			21.74		23
		135	0			21.99		23
		135	69			22.06		23
		135	138			21.60		23
		270	0			21.94		23
	DFT-s-OFDM 16QAM	1	137			21.78		23
	DFT-s-OFDM 64QAM	1	137			21.89		23
	DFT-s-OFDM 256QAM	1	137			20.89		22
BW	MCS Index	Channel / Frequence (MHz)				633334 / 3500	634666 / 3524.99	Max. Tune-up
90M	DFT-s-OFDM QPSK	1	123	21.98	22.03	21.89		23
BW	MCS Index	Channel / Frequence (MHz)				633668 / 3490.02	634000 / 3510	Max. Tune-up
80M	DFT-s-OFDM QPSK	1	109	22.04	22.02	21.93		23
BW	MCS Index	Channel / Frequence (MHz)				633999 / 3489	634665 / 3519.99	Max. Tune-up
60M	DFT-s-OFDM QPSK	1	81	22.16	21.91	21.74		23
BW	MCS Index	Channel / Frequence (MHz)				631668 / 3475.02	634998 / 3524.97	Max. Tune-up
50M	DFT-s-OFDM QPSK	1	67	22.17	21.93	21.73		23
BW	MCS Index	Channel / Frequence (MHz)				631334 / 3470.01	633334 / 3500.01	635332 / 3529.99	Max. Tune-up
40M	DFT-s-OFDM QPSK	1	53	22.15	21.94	21.78		23
BW	MCS Index	Channel / Frequence (MHz)				631002 / 3465.03	633334 / 3500.01	635664 / 3534.96	Max. Tune-up
30M	DFT-s-OFDM QPSK	1	39	22.05	21.97	21.76		23
BW	MCS Index	Channel / Frequence (MHz)				630669 / 3460.02	633334 / 3500.01	636000 / 3540	Max. Tune-up
20M	DFT-s-OFDM QPSK	1	26	22.15	21.99	21.69		23
BW	MCS Index	Channel / Frequence (MHz)				630669 / 3457.5	633334 / 3500.01	636196 / 3542.49	Max. Tune-up
15M	DFT-s-OFDM QPSK	1	19	22.16	21.93	21.76		23
BW	MCS Index	Channel / Frequence (MHz)				630334 / 3455.01	633334 / 3500.01	636332 / 3544.98	Max. Tune-up
10M	DFT-s-OFDM QPSK	1	12	22.18	21.98	21.76		23

Full Power

N78(Part27O) (SCS 30 kHz) PC3

BW	MCS Index	RB Size	RB Offset	Channel / Frequence (MHz)		Mid		Max. Tune-up (dBm)
						650000 / 3750		
100	CP-OFDM QPSK	1	137			20.95		21.5
BW	MCS Index	Channel / Frequence (MHz)						Max. Tune-up
				649668 / 3740.02	650000 / 3750	650332 / 3759.98		
90M	CP-OFDM QPSK	1	123	20.92	20.43	20.70		21.5
BW	MCS Index	Channel / Frequence (MHz)						Max. Tune-up
				649334 / 3740.01	650000 / 3750	650666 / 3759.99		
80M	CP-OFDM QPSK	1	109	20.85	20.68	20.60		21.5
BW	MCS Index	Channel / Frequence (MHz)						Max. Tune-up
				649000 / 3739.02	650000 / 3750	651000 / 3760.98		
60M	CP-OFDM QPSK	1	81	20.87	20.73	20.45		21.5
BW	MCS Index	Channel / Frequence (MHz)						Max. Tune-up
				648334 / 3733.01	650000 / 3750	651666 / 3766.99		
50M	CP-OFDM QPSK	1	67	20.97	20.70	20.57		21.5
BW	MCS Index	Channel / Frequence (MHz)						Max. Tune-up
				648000 / 3730	650000 / 3750	652000 / 3770		
40M	CP-OFDM QPSK	1	53	20.97	20.77	20.63		21.5
BW	MCS Index	Channel / Frequence (MHz)						Max. Tune-up
				647670 / 3715.05	650000 / 3750	652326 / 3784.96		
30M	CP-OFDM QPSK	1	39	20.83	20.79	20.61		21.5
BW	MCS Index	Channel / Frequence (MHz)						Max. Tune-up
				647334 / 3710.01	650000 / 3750	652666 / 3789.99		
20M	CP-OFDM QPSK	1	26	20.94	20.73	20.55		21.5
BW	MCS Index	Channel / Frequence (MHz)						Max. Tune-up
				647166 / 3707.49	650000 / 3750	652832 / 3792.48		
15M	CP-OFDM QPSK	1	19	20.99	20.71	20.56		21.5
BW	MCS Index	Channel / Frequence (MHz)						Max. Tune-up
				647000 / 3706	650000 / 3750	652998 / 3794.97		
10M	CP-OFDM QPSK	1	12	20.92	20.73	20.42		21.5

Full Power

N78(Part27O) (SCS 30 kHz) PC3

BW	MCS Index	RB Size	RB Offset	Channel / Frequence (MHz)		Mid		Max. Tune-up (dBm)
						650000 / 3750		
100M	DFT-s-OFDM PI/2 BPSK	1	1			21.12		22.5
		1	137			21.33		22.5
		1	271			20.89		22.5
		135	0			21.46		22.5
		135	69			21.26		22.5
		135	138			20.85		22.5
		270	0			21.19		22.5
	DFT-s-OFDM QPSK	1	1			21.06		22.5
		1	137			21.65		22.5
		1	271			20.92		22.5
		135	0			21.38		22.5
		135	69			21.49		22.5
		135	138			21.02		22.5
		270	0			21.22		22.5
	DFT-s-OFDM 16QAM	135	0			21.49		22.5
	DFT-s-OFDM 64QAM	135	0			21.41		22.5
	DFT-s-OFDM 256QAM	135	0			20.01		21.5
BW	MCS Index	Channel / Frequence (MHz)				650000 / 3750	653332 / 3749.98	Max. Tune-up
90M	DFT-s-OFDM QPSK	1	123	21.26	21.25	21.21		22.5
BW	MCS Index	Channel / Frequence (MHz)				649334 / 3740.01	650000 / 3750	650666 / 3759.99	Max. Tune-up
80M	DFT-s-OFDM QPSK	1	109	21.34	21.37	21.05		22.5
BW	MCS Index	Channel / Frequence (MHz)				648668 / 3730.02	650000 / 3750	651332 / 3769.98	Max. Tune-up
60M	DFT-s-OFDM QPSK	1	81	21.45	21.19	21.03		22.5
BW	MCS Index	Channel / Frequence (MHz)				648334 / 3726.01	650000 / 3750	651666 / 3774.99	Max. Tune-up
50M	DFT-s-OFDM QPSK	1	67	21.00	21.24	20.58		22.5
BW	MCS Index	Channel / Frequence (MHz)				648000 / 3720	650000 / 3750	652000 / 3780	Max. Tune-up
40M	DFT-s-OFDM QPSK	1	53	21.61	21.26	21.15		22.5
BW	MCS Index	Channel / Frequence (MHz)				647670 / 3715.05	650000 / 3750	652332 / 3784.95	Max. Tune-up
30M	DFT-s-OFDM QPSK	1	39	21.63	21.29	21.18		22.5
BW	MCS Index	Channel / Frequence (MHz)				647334 / 3710.01	650000 / 3750	652666 / 3789.99	Max. Tune-up
20M	DFT-s-OFDM QPSK	1	26	21.60	21.24	21.02		22.5
BW	MCS Index	Channel / Frequence (MHz)				647166 / 3707.49	650000 / 3750	652832 / 3792.48	Max. Tune-up
15M	DFT-s-OFDM QPSK	1	19	21.64	21.31	21.13		22.5
BW	MCS Index	Channel / Frequence (MHz)				647000 / 3705	650000 / 3750	652998 / 3795	Max. Tune-up
10M	DFT-s-OFDM QPSK	1	12	21.58	21.22	21.07		22.5

Full Power

n41 (SCS 30 kHz) PC2							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequence (MHz)		2546.01	2592.99	2640	
100	CP-OFDM QPSK	1	137	23.26	23.31	23.42	24.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequence (MHz)		2541	2592.99	2644.98	
90M	CP-OFDM QPSK	1	123	23.47	23.64	23.55	24.5
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequence (MHz)		2536.02	2592.99	2649.99	
80M	CP-OFDM QPSK	1	109	23.36	23.51	23.53	24.5
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequence (MHz)		2531.01	2592.99	2655	
70M	CP-OFDM QPSK	1	95	23.86	23.89	23.91	24.5
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequence (MHz)		2526	2592.99	2659.98	
60M	CP-OFDM QPSK	1	81	23.79	23.93	23.84	24.5
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequence (MHz)		2521.02	2592.99	2664.99	
50M	CP-OFDM QPSK	1	67	24.09	24.13	24.02	24.5
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequence (MHz)		2516.01	2592.99	2670	
40M	CP-OFDM QPSK	1	53	23.86	23.81	23.69	24.5
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequence (MHz)		2506.02	2592.99	2679.99	
20M	CP-OFDM QPSK	1	26	24.17	24.13	23.99	24.5
BW	MCS Index	Channel		500700	518598	536496	Max. Tune-up
		Frequence (MHz)		2503.5	2592.99	2682.48	
15M	CP-OFDM QPSK	1	19	23.97	23.86	23.51	24.5
BW	MCS Index	Channel		500202	518598	537000	Max. Tune-up
		Frequence (MHz)		2501.01	2592.99	2685	
10M	CP-OFDM QPSK	1	12	23.87	23.91	23.53	24.5

Full Power

n41 (SCS 30 kHz) PC2							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequence (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	24.34	24.18	23.14	25.5
		1	137	24.54	24.05	24.30	25.5
		1	271	23.77	24.12	24.20	25.5
		135	0	24.18	24.05	23.18	25.5
		135	69	24.65	24.01	24.24	25.5
		135	138	24.28	24.25	24.70	25.5
		270	0	24.64	24.15	24.27	25.5
	DFT-s-OFDM QPSK	1	1	24.21	24.05	23.77	25.5
		1	137	24.89	24.71	24.37	25.5
		1	271	23.84	24.17	24.16	25.5
		135	0	24.76	24.18	23.98	25.5
		135	69	24.79	24.33	24.37	25.5
		135	138	24.43	24.21	24.47	25.5
		270	0	24.61	24.25	24.37	25.5
	DFT-s-OFDM 16QAM	1	137	23.39	23.26	23.37	24.5
	DFT-s-OFDM 64QAM	1	137	22.08	21.85	22.07	23.5
	DFT-s-OFDM 256QAM	1	137	21.33	21.19	20.88	22.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequence (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	123	24.85	24.57	23.95	25.5
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequence (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	109	24.76	24.78	24.64	25.5
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequence (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	95	24.85	24.56	24.88	25.5
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequence (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	81	24.83	24.41	23.74	25.5
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequence (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	67	24.76	24.73	23.85	25.5
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequence (MHz)		2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	1	53	24.75	24.59	24.48	25.5
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequence (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	26	24.79	24.81	24.63	25.5
BW	MCS Index	Channel		500700	518598	536496	Max. Tune-up
		Frequence (MHz)		2503.5	2592.99	2682.48	
15M	DFT-s-OFDM QPSK	1	19	24.46	24.41	24.57	25.5
BW	MCS Index	Channel		500202	518598	537000	Max. Tune-up
		Frequence (MHz)		2501.01	2592.99	2685	
10M	DFT-s-OFDM QPSK	1	12	24.31	24.07	24.50	25.5

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N77(Part27O) (SCS 30 kHz) PC2

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	CP-OFDM QPSK	1	137		23.66		24.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	123	23.47	23.48	23.15	24.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3489.02	3500.01	3510	
80M	CP-OFDM QPSK	1	109	23.35	23.52	23.08	24.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.99	
70M	CP-OFDM QPSK	1	95	23.41	23.54	23.93	24.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	81	23.39	23.42	23.07	24.5
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequency (MHz)		3474.02	3500.01	3524.97	
50M	CP-OFDM QPSK	1	67	23.38	23.36	23.11	24.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	53	23.50	23.60	23.09	24.5
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequency (MHz)		3465.03	3500.01	3534.98	
30M	CP-OFDM QPSK	1	39	23.36	23.49	23.10	24.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	26	23.73	23.98	23.91	24.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	19	23.45	23.59	23.16	24.5
BW	MCS Index	Channel		630334	633334	636333	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	12	23.51	23.64	23.17	24.5

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BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM PI/2 BPSK	1	1		24.45		25.5
		1	137		24.74		25.5
		1	271		24.32		25.5
		135	0		24.66		25.5
		135	69		24.73		25.5
		135	138		24.15		25.5
		270	0		24.41		25.5
	DFT-s-OFDM QPSK	1	1		24.16		25.5
		1	137		24.76		25.5
		1	271		24.29		25.5
		135	0		24.08		25.5
		135	69		24.55		25.5
		135	138		23.68		25.5
		270	0		24.18		25.5
	DFT-s-OFDM 16QAM	1	137		23.76		24.5
	DFT-s-OFDM 64QAM	1	137		22.29		23.5
	DFT-s-OFDM 256QAM	1	137		20.83		22.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	123	24.41	24.41	24.30	25.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3489.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	109	24.48	24.42	24.18	25.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.99	
70M	DFT-s-OFDM QPSK	1	95	24.27	24.37	24.32	25.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	81	24.30	24.41	24.21	25.5
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequency (MHz)		3474.02	3500.01	3524.97	
50M	DFT-s-OFDM QPSK	1	67	24.37	24.50	24.18	25.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	53	24.29	24.41	24.27	25.5
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequency (MHz)		3465.03	3500.01	3534.98	
30M	DFT-s-OFDM QPSK	1	39	24.53	24.53	24.29	25.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	26	24.43	24.53	24.33	25.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	19	24.35	24.37	24.27	25.5
BW	MCS Index	Channel		630334	633334	636333	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	12	24.55	24.57	24.39	25.5

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N77(Part27O) (SCS 30 kHz) PC2

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3700	3840	3980	
100M	CP-OFDM QPSK	1	137	22.87	22.74	22.82	24
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.92	
90M	CP-OFDM QPSK	1	123	22.97	22.55	22.56	24
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	CP-OFDM QPSK	1	109	23.13	22.66	22.23	24
BW	MCS Index	Channel		649002	656000	663000	Max. Tune-up
		Frequency (MHz)		3735.03	3840	3944.99	
70M	CP-OFDM QPSK	1	95	23.23	22.79	22.31	24
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	CP-OFDM QPSK	1	81	23.53	22.85	22.53	24
BW	MCS Index	Channel		648336	656000	663664	Max. Tune-up
		Frequency (MHz)		3725.04	3840	3954.96	
50M	CP-OFDM QPSK	1	67	23.54	22.88	22.49	24
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	CP-OFDM QPSK	1	53	23.52	22.91	22.48	24
BW	MCS Index	Channel		647670	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.05	3840	3964.95	
30M	CP-OFDM QPSK	1	39	23.50	22.92	22.52	24
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	CP-OFDM QPSK	1	26	23.50	22.92	22.52	24
BW	MCS Index	Channel		647166	656000	664833	Max. Tune-up
		Frequency (MHz)		3707.49	3840	3972.49	
15M	DFT-s-OFDM QPSK	1	19	23.52	22.91	22.51	24
BW	MCS Index	Channel		647000	656000	664999	Max. Tune-up
		Frequency (MHz)		3705	3840	3974.97	
10M	DFT-s-OFDM QPSK	1	12	23.58	22.93	22.54	24

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BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3700	3840	3980	
100M	DFT-s-OFDM PI/2 BPSK	1	1	23.97	24.31	23.19	25
		1	137	24.31	24.42	23.32	25
		1	271	23.46	23.32	23.34	25
		135	0	23.61	24.14	23.75	25
		135	69	23.74	23.94	23.31	25
		135	138	24.03	23.68	23.46	25
		270	0	23.77	23.96	23.20	25
	DFT-s-OFDM QPSK	1	1	23.58	23.80	23.11	25
		1	137	24.13	24.43	23.98	25
		1	271	23.75	23.38	23.92	25
		135	0	23.64	23.72	23.33	25
		135	69	24.13	24.22	23.15	25
		135	138	23.48	23.14	22.97	25
		270	0	23.29	23.44	23.23	25
	DFT-s-OFDM 16QAM	1	137	23.03	23.29	23.23	24
	DFT-s-OFDM 64QAM	1	137	21.70	21.42	21.55	23
	DFT-s-OFDM 256QAM	1	137	20.68	20.77	20.59	22
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.92	
90M	DFT-s-OFDM QPSK	1	123	24.13	24.22	23.76	25
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	109	24.08	24.15	23.84	25
BW	MCS Index	Channel		649002	656000	663000	Max. Tune-up
		Frequency (MHz)		3735.03	3840	3944.99	
70M	DFT-s-OFDM QPSK	1	95	23.96	24.09	23.44	25
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	81	23.76	23.95	23.65	25
BW	MCS Index	Channel		648336	656000	663664	Max. Tune-up
		Frequency (MHz)		3725.04	3840	3954.96	
50M	DFT-s-OFDM QPSK	1	67	23.98	24.11	23.45	25
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	53	24.02	24.07	23.88	25
BW	MCS Index	Channel		647670	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.05	3840	3964.95	
30M	DFT-s-OFDM QPSK	1	39	23.77	23.89	23.23	25
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	26	23.91	23.99	23.44	25
BW	MCS Index	Channel		647166	656000	664833	Max. Tune-up
		Frequency (MHz)		3707.49	3840	3972.49	
15M	DFT-s-OFDM QPSK	1	19	24.11	24.13	23.76	25
BW	MCS Index	Channel		647000	656000	664999	Max. Tune-up
		Frequency (MHz)		3705	3840	3974.97	
10M	DFT-s-OFDM QPSK	1	12	24.18	24.15	23.49	25

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BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	CP-OFDM QPSK	1	137		23.68		24.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	123	23.27	23.20	22.85	24.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3489.92	3500.01	3510	
80M	CP-OFDM QPSK	1	109	23.43	23.08	22.76	24.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3519.99	
60M	CP-OFDM QPSK	1	81	23.29	23.17	22.85	24.5
BW	MCS Index	Channel		631668	633334	634999	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3524.97	
50M	CP-OFDM QPSK	1	67	23.35	22.92	22.71	24.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.99	
40M	CP-OFDM QPSK	1	53	23.26	23.17	22.88	24.5
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequency (MHz)		3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	39	23.21	23.06	22.79	24.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	26	23.25	23.16	22.82	24.5
BW	MCS Index	Channel		630334	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	CP-OFDM QPSK	1	19	23.31	23.23	22.95	24.5
BW	MCS Index	Channel		630034	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.99	
10M	OFT-+OFDM QPSK	1	12	23.33	23.22	22.90	24.5

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N78(Part27Q) (SCS 30 kHz) PC2

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM PI/2 BPSK	1	1		23.88		25.5
		1	137		24.48		25.5
		1	271		23.71		25.5
		135	0		24.61		25.5
		135	69		24.55		25.5
		135	138		24.19		25.5
		270	0		24.45		25.5
	DFT-s-OFDM QPSK	1	1		23.97		25.5
		1	137		24.65		25.5
		1	271		23.97		25.5
		135	0		24.23		25.5
		135	69		24.24		25.5
		135	138		23.64		25.5
		270	0		23.95		25.5
	DFT-s-OFDM 16QAM	1	137		21.62		24.5
	DFT-s-OFDM 64QAM	1	137		22.47		23.5
	DFT-s-OFDM 256QAM	1	137		20.72		22.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	123	24.51	24.25	24.17	25.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3489.92	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	109	24.55	24.31	24.09	25.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	81	24.58	24.27	24.14	25.5
BW	MCS Index	Channel		631668	633334	634999	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3524.97	
50M	DFT-s-OFDM QPSK	1	67	24.48	24.18	24.05	25.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.99	
40M	DFT-s-OFDM QPSK	1	53	24.52	24.21	24.16	25.5
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequency (MHz)		3465.03	3500.01	3534.96	
30M	DFT-s-OFDM QPSK	1	39	24.55	24.28	24.21	25.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	26	24.57	24.28	24.18	25.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	19	24.60	24.30	24.15	25.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.99	
10M	DFT-s-OFDM QPSK	1	12	24.59	24.29	24.22	25.5

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BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			650000		
		Frequency (MHz)			3750		
100	CP-OFDM QPSK	1	137		22.81		23.5
BW	MCS Index	Channel		649968	650000	650332	Max. Tune-up
		Frequency (MHz)		3745.02	3750	3754.98	
90M	CP-OFDM QPSK	1	123	22.32	22.59	22.43	23.5
BW	MCS Index	Channel		649334	650000	650666	Max. Tune-up
		Frequency (MHz)		3740.01	3750	3759.99	
80M	CP-OFDM QPSK	1	109	22.92	22.44	22.31	23.5
BW	MCS Index	Channel		649002	650000	651332	Max. Tune-up
		Frequency (MHz)		3730.02	3750	3769.98	
60M	CP-OFDM QPSK	1	81	22.90	22.80	22.33	23.5
BW	MCS Index	Channel		648334	650000	651666	Max. Tune-up
		Frequency (MHz)		3725.01	3750	3774.99	
50M	CP-OFDM QPSK	1	67	22.83	22.95	22.35	23.5
BW	MCS Index	Channel		648000	650000	652000	Max. Tune-up
		Frequency (MHz)		3720	3750	3780	
40M	CP-OFDM QPSK	1	53	22.95	22.78	22.39	23.5
BW	MCS Index	Channel		647670	650000	652330	Max. Tune-up
		Frequency (MHz)		3715.05	3750	3784.95	
30M	CP-OFDM QPSK	1	39	22.90	22.77	22.28	23.5
BW	MCS Index	Channel		647334	650000	652666	Max. Tune-up
		Frequency (MHz)		3710.01	3750	3789.99	
20M	CP-OFDM QPSK	1	26	22.97	22.79	22.30	23.5
BW	MCS Index	Channel		647166	650000	652834	Max. Tune-up
		Frequency (MHz)		3707.49	3750	3792.45	
15M	DFT-s-OFDM QPSK	1	19	22.31	22.98	22.45	23.5
BW	MCS Index	Channel		647000	650000	652999	Max. Tune-up
		Frequency (MHz)		3705	3750	3794.97	
10M	DFT-s-OFDM QPSK	1	12	22.98	22.84	22.38	23.5

Full Power

N78(Part27O) (SCS 30 kHz) PC2

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			650000		
		Frequency (MHz)			3750		
100M	DFT-s-OFDM PI/2 BPSK	1	1		23.25		24.5
		1	137		22.85		24.5
		1	271		22.57		24.5
		135	0		23.20		24.5
		135	69		23.02		24.5
		135	138		22.94		24.5
		270	0		23.30		24.5
	DFT-s-OFDM QPSK	1	1		23.14		24.5
		1	137		23.67		24.5
		1	271		22.98		24.5
		135	0		23.35		24.5
		135	69		23.40		24.5
		135	138		23.12		24.5
		270	0		23.45		24.5
	DFT-s-OFDM 16QAM	1	137		22.73		23.5
	DFT-s-OFDM 64QAM	1	137		21.07		22.5
	DFT-s-OFDM 256QAM	1	137		19.76		21.5
BW	MCS Index	Channel		649668	650000	650332	Max. Tune-up
		Frequency (MHz)		3745.02	3750	3754.98	
90M	DFT-s-OFDM QPSK	1	123	23.30	23.53	23.45	24.5
BW	MCS Index	Channel		649334	650000	650666	Max. Tune-up
		Frequency (MHz)		3740.01	3750	3759.99	
80M	DFT-s-OFDM QPSK	1	109	23.45	23.48	23.52	24.5
BW	MCS Index	Channel		649018	650000	651332	Max. Tune-up
		Frequency (MHz)		3730.02	3750	3769.98	
60M	DFT-s-OFDM QPSK	1	81	23.38	23.47	23.55	24.5
BW	MCS Index	Channel		648334	650000	651666	Max. Tune-up
		Frequency (MHz)		3725.01	3750	3774.99	
50M	DFT-s-OFDM QPSK	1	67	23.48	23.42	23.62	24.5
BW	MCS Index	Channel		648000	650000	652000	Max. Tune-up
		Frequency (MHz)		3720	3750	3780	
40M	DFT-s-OFDM QPSK	1	53	23.51	23.46	23.56	24.5
BW	MCS Index	Channel		647670	650000	652332	Max. Tune-up
		Frequency (MHz)		3715.05	3750	3784.95	
30M	DFT-s-OFDM QPSK	1	39	23.55	23.41	23.58	24.5
BW	MCS Index	Channel		647334	650000	652666	Max. Tune-up
		Frequency (MHz)		3710.01	3750	3789.99	
20M	DFT-s-OFDM QPSK	1	26	23.58	23.45	23.53	24.5
BW	MCS Index	Channel		647166	650000	652834	Max. Tune-up
		Frequency (MHz)		3707.49	3750	3792.46	
15M	DFT-s-OFDM QPSK	1	19	23.56	23.42	23.59	24.5
BW	MCS Index	Channel		647000	650000	652999	Max. Tune-up
		Frequency (MHz)		3705	3750	3794.97	
10M	DFT-s-OFDM QPSK	1	12	23.59	23.47	23.61	24.5

Receiver On Power

n2 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequence (MHz)		1860	1880	1900	
20M	CP-OFDM QPSK	1	1	20.76	20.83	20.78	21.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequence (MHz)		1857.5	1880	1902.5	
15M	CP-OFDM QPSK	1	1	20.87	20.85	20.75	21.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequence (MHz)		1855	1880	1905	
10M	CP-OFDM QPSK	1	1	20.78	20.82	20.80	21.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequence (MHz)		1852.5	1880	1907.5	
5M	CP-OFDM QPSK	1	1	20.48	20.39	20.43	21.5

Receiver On Power

n2 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequence (MHz)		1860	1880	1900	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	21.36	21.35	21.57	22.5
		1	53	21.48	21.52	21.51	22.5
		1	104	21.46	21.39	21.49	22.5
		50	0	21.43	21.47	21.40	22.5
		50	28	21.51	21.53	21.50	22.5
		50	56	21.39	21.52	21.43	22.5
		100	0	21.52	21.58	21.46	22.5
	DFT-s-OFDM QPSK	1	1	21.22	21.33	21.63	22.5
		1	53	21.41	21.46	21.58	22.5
		1	104	21.32	21.40	21.38	22.5
		50	0	21.44	21.47	21.50	22.5
		50	28	21.51	21.52	21.58	22.5
		50	56	21.44	21.57	21.39	22.5
		100	0	21.50	21.42	21.53	22.5
	DFT-s-OFDM 16QAM	1	1	21.11	21.03	21.10	22.5
	DFT-s-OFDM 64QAM	1	1	21.08	20.98	21.04	22.5
	DFT-s-OFDM 256QAM	1	1	20.56	20.86	20.24	21.0
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequence (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	21.07	21.36	21.12	22.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequence (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	21.35	20.97	20.91	22.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequence (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	21.17	21.11	21.19	22.5

Receiver On Power

n25 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376500	381000	
		Frequence (MHz)		1860	1882.5	1905	
20M	CP-OFDM QPSK	1	1	20.86	20.92	20.85	21.5
BW	MCS Index	Channel		371500	376500	381500	Max. Tune-up
		Frequence (MHz)		1857.5	1882.5	1907.5	
15M	CP-OFDM QPSK	1	1	20.73	20.69	20.74	21.5
BW	MCS Index	Channel		371000	376500	382000	Max. Tune-up
		Frequence (MHz)		1855	1882.5	1910	
10M	CP-OFDM QPSK	1	1	20.62	20.52	20.55	21.5
BW	MCS Index	Channel		370500	376500	382500	Max. Tune-up
		Frequence (MHz)		1852.5	1882.5	1912.5	
5M	CP-OFDM QPSK	1	1	20.81	20.77	20.68	21.5

Receiver On Power

n25 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376500	381000	
		Frequence (MHz)		1860	1882.5	1905	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	21.43	21.44	21.23	22.5
		1	53	21.54	21.53	21.49	22.5
		1	104	21.59	21.47	21.48	22.5
		50	0	21.48	21.46	21.51	22.5
		50	28	21.57	21.53	21.54	22.5
		50	56	21.42	21.54	21.38	22.5
		100	0	21.51	21.57	21.53	22.5
	DFT-s-OFDM QPSK	1	1	21.59	21.64	21.32	22.5
		1	53	21.37	21.46	21.44	22.5
		1	104	21.45	21.31	21.34	22.5
		50	0	21.47	21.49	21.52	22.5
		50	28	21.56	21.61	21.53	22.5
		50	56	21.43	21.52	21.38	22.5
		100	0	21.46	21.53	21.50	22.5
	DFT-s-OFDM 16QAM	1	1	21.06	21.30	21.18	22.5
	DFT-s-OFDM 64QAM	1	1	21.19	21.01	21.21	22.5
	DFT-s-OFDM 256QAM	1	1	20.27	20.54	20.38	21.0
BW	MCS Index	Channel		371500	376500	381500	Max. Tune-up
		Frequence (MHz)		1857.5	1882.5	1907.5	
15M	DFT-s-OFDM QPSK	1	1	21.19	21.23	21.42	22.5
BW	MCS Index	Channel		371000	376500	382000	Max. Tune-up
		Frequence (MHz)		1855	1882.5	1910	
10M	DFT-s-OFDM QPSK	1	1	21.34	21.27	21.29	22.5
BW	MCS Index	Channel		370500	376500	382500	Max. Tune-up
		Frequence (MHz)		1852.5	1882.5	1912.5	
5M	DFT-s-OFDM QPSK	1	1	21.29	21.28	21.23	22.5

Receiver On Power

n38 (SCS 30 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		516000	519000	522000	
		Frequence (MHz)		2580	2595	2610	
20M	CP-OFDM QPSK	1	1	16.46	16.66	16.71	17.5
BW	MCS Index	Channel		515500	519000	522500	Max. Tune-up
		Frequence (MHz)		2577.5	2595	2612.5	
15M	CP-OFDM QPSK	1	1	16.65	16.72	16.62	17.5
BW	MCS Index	Channel		515000	519000	523000	Max. Tune-up
		Frequence (MHz)		2575	2595	2615	
10M	CP-OFDM QPSK	1	1	16.58	16.77	16.76	17.5

Receiver On Power

n38 (SCS 30 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		516000	519000	522000	
		Frequence (MHz)		2580	2595	2610	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	17.11	17.27	17.31	18.5
		1	26	17.28	17.46	17.43	18.5
		1	49	17.27	17.35	17.36	18.5
		25	0	17.31	17.44	17.45	18.5
		25	13	17.38	17.43	17.44	18.5
		25	26	17.36	17.41	17.39	18.5
		50	0	17.40	17.42	17.46	18.5
	DFT-s-OFDM QPSK	1	1	17.24	17.49	17.29	18.5
		1	26	17.29	17.21	17.32	18.5
		1	49	17.20	17.33	17.23	18.5
		25	0	17.27	17.41	17.40	18.5
		25	13	17.36	17.48	17.45	18.5
		25	26	17.31	17.39	17.41	18.5
		50	0	17.38	17.44	17.42	18.5
	DFT-s-OFDM 16QAM	1	1	16.89	17.02	17.03	18.5
	DFT-s-OFDM 64QAM	1	1	16.97	17.11	17.16	18.5
	DFT-s-OFDM 256QAM	1	1	17.35	17.44	17.48	18.5
BW	MCS Index	Channel		515500	519000	522500	Max. Tune-up
		Frequence (MHz)		2577.5	2595	2612.5	
15M	DFT-s-OFDM QPSK	1	1	17.15	17.33	17.29	18.5
BW	MCS Index	Channel		515000	519000	523000	Max. Tune-up
		Frequence (MHz)		2575	2595	2615	
10M	DFT-s-OFDM QPSK	1	1	17.24	17.41	17.42	18.5

Receiver On Power

n41 (SCS 30 kHz) PC3							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequence (MHz)		2546.01	2592.99	2640	
100	CP-OFDM QPSK	1	137	15.65	15.25	15.43	16
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequence (MHz)		2541	2592.99	2644.98	
90M	CP-OFDM QPSK	1	123	15.57	15.66	15.53	16
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequence (MHz)		2536.02	2592.99	2649.99	
80M	CP-OFDM QPSK	1	109	15.49	15.62	15.48	16
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequence (MHz)		2531.01	2592.99	2655	
70M	CP-OFDM QPSK	1	95	15.35	15.46	15.41	16
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequence (MHz)		2526	2592.99	2659.98	
60M	CP-OFDM QPSK	1	81	15.48	15.58	15.40	16
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequence (MHz)		2521.02	2592.99	2664.99	
50M	CP-OFDM QPSK	1	67	15.63	15.59	15.47	16
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequence (MHz)		2516.01	2592.99	2670	
40M	CP-OFDM QPSK	1	53	15.54	15.56	15.64	16
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequence (MHz)		2506.02	2592.99	2679.99	
20M	CP-OFDM QPSK	1	26	15.56	15.62	15.45	16
BW	MCS Index	Channel		500700	518598	536496	Max. Tune-up
		Frequence (MHz)		2503.5	2592.99	2682.48	
15M	CP-OFDM QPSK	1	19	15.52	15.59	15.48	16
BW	MCS Index	Channel		500202	518598	537000	Max. Tune-up
		Frequence (MHz)		2501.01	2592.99	2685	
10M	CP-OFDM QPSK	1	12	15.45	15.76	15.33	16

Receiver On Power

n41 (SCS 30 kHz) PC3							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequence (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	15.81	15.84	15.97	17
		1	137	16.49	16.26	16.50	17
		1	271	15.89	15.92	15.40	17
		135	0	16.33	16.03	16.48	17
		135	69	16.54	16.31	16.57	17
		135	138	16.58	16.28	16.31	17
		270	0	16.48	16.14	16.34	17
	DFT-s-OFDM QPSK	1	1	15.91	15.82	15.96	17
		1	137	16.61	16.48	16.45	17
		1	271	16.09	15.93	15.44	17
		135	0	16.35	15.97	16.36	17
		135	69	16.58	16.27	16.56	17
		135	138	16.55	16.27	16.19	17
		270	0	16.49	16.10	16.32	17
	DFT-s-OFDM 16QAM	1	137	16.19	16.10	16.22	17
	DFT-s-OFDM 64QAM	1	137	16.22	15.99	16.17	17
	DFT-s-OFDM 256QAM	1	137	16.41	16.51	16.60	17
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequence (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	123	16.22	16.37	16.36	17
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequence (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	109	16.17	16.28	16.32	17
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequence (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	95	16.42	16.45	16.42	17
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequence (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	81	16.26	16.35	16.36	17
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequence (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	67	16.01	16.41	16.38	17
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequence (MHz)		2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	1	53	16.14	14.25	16.21	17
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequence (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	26	16.27	16.44	16.41	17
BW	MCS Index	Channel		500700	518598	536496	Max. Tune-up
		Frequence (MHz)		2503.5	2592.99	2682.48	
15M	DFT-s-OFDM QPSK	1	19	16.32	16.39	16.48	17
BW	MCS Index	Channel		500202	518598	537000	Max. Tune-up
		Frequence (MHz)		2501.01	2592.99	2685	
10M	DFT-s-OFDM QPSK	1	12	16.08	16.49	16.44	17

Receiver On Power

n41 (SCS 30 kHz) PC2							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequence (MHz)		2546.01	2592.99	2640	
100	CP-OFDM QPSK	1	137	17.67	18.03	17.99	18.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequence (MHz)		2541	2592.99	2644.98	
90M	CP-OFDM QPSK	1	123	17.53	17.67	17.49	18.5
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequence (MHz)		2536.02	2592.99	2649.99	
80M	CP-OFDM QPSK	1	109	17.50	17.63	17.54	18.5
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequence (MHz)		2531.01	2592.99	2655	
70M	CP-OFDM QPSK	1	95	17.46	17.59	17.43	18.5
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequence (MHz)		2526	2592.99	2659.98	
60M	CP-OFDM QPSK	1	81	17.48	17.60	17.44	18.5
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequence (MHz)		2521.02	2592.99	2664.99	
50M	CP-OFDM QPSK	1	67	17.37	17.59	17.39	18.5
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequence (MHz)		2516.01	2592.99	2670	
40M	CP-OFDM QPSK	1	53	17.34	17.55	17.44	18.5
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequence (MHz)		2506.02	2592.99	2679.99	
20M	CP-OFDM QPSK	1	26	17.79	17.92	17.95	18.5
BW	MCS Index	Channel		500700	518598	536496	Max. Tune-up
		Frequence (MHz)		2503.5	2592.99	2682.48	
15M	CP-OFDM QPSK	1	19	17.42	17.59	17.49	18.5
BW	MCS Index	Channel		500202	518598	537000	Max. Tune-up
		Frequence (MHz)		2501.01	2592.99	2685	
10M	CP-OFDM QPSK	1	12	17.54	17.94	17.52	18.5

Receiver On Power

n41 (SCS 30 kHz) PC2							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequence (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	17.85	17.72	18.05	19.5
		1	137	18.52	18.29	18.51	19.5
		1	271	17.94	17.95	17.47	19.5
		135	0	18.36	17.97	18.45	19.5
		135	69	18.64	18.35	18.57	19.5
		135	138	18.55	18.32	18.33	19.5
		270	0	18.46	18.11	18.39	19.5
	DFT-s-OFDM QPSK	1	1	17.95	17.75	18.15	19.5
		1	137	18.74	18.53	18.68	19.5
		1	271	17.93	18.02	17.33	19.5
		135	0	18.32	18.05	18.43	19.5
		135	69	18.69	18.57	18.66	19.5
		135	138	18.57	18.35	18.26	19.5
		270	0	18.48	18.16	18.36	19.5
	DFT-s-OFDM 16QAM	1	137	18.26	17.95	18.41	19.5
	DFT-s-OFDM 64QAM	1	137	18.33	18.25	18.18	19.5
	DFT-s-OFDM 256QAM	1	137	18.46	18.35	18.47	19.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequence (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	123	18.14	18.29	18.21	19.5
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequence (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	109	18.06	18.65	18.11	19.5
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequence (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	95	18.13	18.27	18.09	19.5
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequence (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	81	18.11	18.20	18.13	19.5
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequence (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	67	18.16	18.21	18.22	19.5
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequence (MHz)		2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	1	53	18.18	18.36	18.25	19.5
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequence (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	26	18.21	18.25	18.19	19.5
BW	MCS Index	Channel		500700	518598	536496	Max. Tune-up
		Frequence (MHz)		2503.5	2592.99	2682.48	
15M	DFT-s-OFDM QPSK	1	19	18.35	18.40	18.37	19.5
BW	MCS Index	Channel		500202	518598	537000	Max. Tune-up
		Frequence (MHz)		2501.01	2592.99	2685	
10M	DFT-s-OFDM QPSK	1	12	18.16	18.55	18.02	19.5

Receiver On Power

n66 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequence (MHz)		1730	1745	1760	
40M	CP-OFDM QPSK	1	108	19.21	19.16	19.19	20
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequence (MHz)		1725	1745	1765	
30M	CP-OFDM QPSK	1	80	19.14	19.11	19.07	20
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequence (MHz)		1720	1745	1770	
20M	CP-OFDM QPSK	1	53	19.09	19.14	19.22	20
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequence (MHz)		1717.5	1745	1772.5	
15M	CP-OFDM QPSK	1	39	19.16	19.21	19.16	20
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequence (MHz)		1715	1745	1775	
10M	CP-OFDM QPSK	1	26	19.22	19.19	19.13	20
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequence (MHz)		1712.5	1745	1777.5	
5M	CP-OFDM QPSK	1	13	19.29	19.23	19.18	20

Receiver On Power

n66 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequence (MHz)		1730	1745	1760	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	19.31	19.26	19.22	21
		1	108	19.68	19.68	19.67	21
		1	214	19.32	19.24	19.30	21
		108	0	19.55	19.63	19.58	21
		108	54	19.71	19.70	19.63	21
		108	108	19.75	19.48	19.75	21
		216	0	19.73	19.58	19.66	21
	DFT-s-OFDM QPSK	1	1	19.26	19.16	19.16	21
		1	108	20.23	20.02	20.15	21
		1	214	19.26	19.25	19.25	21
		108	0	19.65	19.66	19.60	21
		108	54	19.81	19.52	19.76	21
		108	108	19.76	19.72	19.72	21
		216	0	19.71	19.57	19.67	21
	DFT-s-OFDM 16QAM	1	108	19.39	19.44	19.55	21
	DFT-s-OFDM 64QAM	1	108	19.45	19.39	19.47	21
	DFT-s-OFDM 256QAM	1	108	19.71	19.65	19.60	21
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequence (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	80	19.69	19.60	19.70	21
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequence (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	53	19.84	19.77	19.63	21
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequence (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	39	19.62	19.55	19.68	21
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequence (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	26	19.63	19.47	19.62	21
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequence (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	13	19.76	19.65	19.72	21

Receiver On Power

N77(Part27Q) (SCS 30 kHz) PC3

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequence (MHz)			3500.01		
100M	CP-OFDM QPSK	1	137		20.23		21
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequence (MHz)		3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	123	20.53	20.21	20.05	21
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequence (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	109	20.47	20.28	20.02	21
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequence (MHz)		3485.01	3500.01	3514.98	
70M	CP-OFDM QPSK	1	95	20.42	20.20	19.96	21
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequence (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	81	20.51	20.24	20.02	21
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequence (MHz)		3475.02	3500.01	3524.97	
50M	CP-OFDM QPSK	1	67	20.62	20.60	20.56	21
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequence (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	53	20.61	20.58	20.48	21
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequence (MHz)		3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	39	20.54	20.56	20.51	21
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequence (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	26	20.59	20.63	20.62	21
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequence (MHz)		3457.5	3500.01	3542.49	
15M	CP-OFDM QPSK	1	19	20.46	20.17	19.94	21
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequence (MHz)		3455.01	3500.01	3544.98	
10M	CP-OFDM QPSK	1	12	20.55	20.29	20.07	21

Receiver On Power

N77(Part27Q) (SCS 30 kHz) PC3

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequence (MHz)			3500.01		
100M	DFT-s-OFDM PI/2 BPSK	1	1		20.34		22
		1	137		20.68		22
		1	271		20.19		22
		135	0		20.69		22
		135	69		21.10		22
		135	138		20.68		22
		270	0		20.87		22
	DFT-s-OFDM QPSK	1	1		20.16		22
		1	137		21.17		22
		1	271		20.33		22
		135	0		21.11		22
		135	69		21.12		22
		135	138		20.70		22
		270	0		20.96		22
	DFT-s-OFDM 16QAM	1	137		20.50		22
	DFT-s-OFDM 64QAM	1	137		20.26		22
	DFT-s-OFDM 256QAM	1	137		20.54		22
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequence (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	123	20.88	20.59	20.14	22
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequence (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	109	20.90	20.51	20.28	22
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequence (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	95	20.86	20.87	20.25	22
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequence (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	81	20.87	20.89	20.25	22
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequence (MHz)		3475.02	3500.01	3524.97	
50M	DFT-s-OFDM QPSK	1	67	20.93	20.95	20.23	22
BW	MCS Index	Channel		631334	633334	635332	22.5
		Frequence (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	53	21.00	20.65	20.38	22
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequence (MHz)		3465.03	3500.01	3534.96	
30M	DFT-s-OFDM QPSK	1	39	20.94	20.97	20.31	22
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequence (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	26	20.96	20.64	20.37	22
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequence (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	19	20.92	20.66	20.27	22
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequence (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	12	21.02	20.73	20.39	22

Receiver On Power

N77(Part27O) (SCS 30 kHz) PC3

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequence (MHz)		3750	3840	3930	
100M	CP-OFDM QPSK	1	137	19.55	19.71	19.59	20.5
BW	MCS Index	Channel		649668	656000	662328	Max. Tune-up
		Frequence (MHz)		3745.02	3840	3934.92	
90M	CP-OFDM QPSK	1	123	19.90	20.11	20.08	20.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequence (MHz)		3740.01	3840	3939.99	
80M	CP-OFDM QPSK	1	109	19.84	19.93	19.92	20.5
BW	MCS Index	Channel		649002	656000	663000	Max. Tune-up
		Frequence (MHz)		3735.03	3840	3944.99	
70M	CP-OFDM QPSK	1	95	19.61	19.49	19.57	20.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequence (MHz)		3730.02	3840	3949.98	
60M	CP-OFDM QPSK	1	81	19.65	19.98	19.54	20.5
BW	MCS Index	Channel		648336	656000	663666	Max. Tune-up
		Frequence (MHz)		3725.04	3840	3954.99	
50M	CP-OFDM QPSK	1	67	19.69	19.53	19.60	20.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequence (MHz)		3720	3840	3960	
40M	CP-OFDM QPSK	1	53	19.63	19.48	19.61	20.5
BW	MCS Index	Channel		647670	656000	664332	Max. Tune-up
		Frequence (MHz)		3715.05	3840	3964.98	
30M	CP-OFDM QPSK	1	39	19.62	19.48	19.60	20.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequence (MHz)		3710.01	3840	3969.99	
20M	CP-OFDM QPSK	1	26	19.67	19.54	19.60	20.5
BW	MCS Index	Channel		647166	656000	664832	Max. Tune-up
		Frequence (MHz)		3707.49	3840	3972.48	
15M	CP-OFDM QPSK	1	19	19.73	19.47	19.63	20.5
BW	MCS Index	Channel		647000	656000	664998	Max. Tune-up
		Frequence (MHz)		3705	3840	3974.97	
10M	CP-OFDM QPSK	1	12	19.75	19.55	19.65	20.5

Receiver On Power

N77(Part27O) (SCS 30 kHz) PC3

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequence (MHz)		3750	3840	3930	
100M	DFT-s-OFDM PI/2 BPSK	1	1	19.97	20.18	20.21	21.5
		1	137	20.27	20.32	20.25	21.5
		1	271	19.95	20.11	20.23	21.5
		135	0	20.13	20.05	20.45	21.5
		135	69	20.55	20.57	20.50	21.5
		135	138	20.60	20.23	20.11	21.5
		270	0	20.35	20.52	20.31	21.5
	DFT-s-OFDM QPSK	1	1	19.89	19.82	19.71	21.5
		1	137	19.97	20.78	20.03	21.5
		1	271	19.62	19.74	19.93	21.5
		135	0	20.15	20.66	20.49	21.5
		135	69	20.57	20.75	20.54	21.5
		135	138	20.65	20.24	20.15	21.5
		270	0	20.38	20.55	20.32	21.5
	DFT-s-OFDM 16QAM	1	137	19.65	19.59	19.66	20.5
	DFT-s-OFDM 64QAM	1	137	19.77	19.49	19.73	20.5
	DFT-s-OFDM 256QAM	1	137	19.83	19.80	19.78	20.5
BW	MCS Index	Channel		649668	656000	662328	Max. Tune-up
		Frequence (MHz)		3745.02	3840	3934.92	
90M	DFT-s-OFDM QPSK	1	123	20.64	20.22	20.10	21.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequence (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	109	20.57	20.17	20.13	21.5
BW	MCS Index	Channel		649002	656000	663000	Max. Tune-up
		Frequence (MHz)		3735.03	3840	3944.99	
70M	DFT-s-OFDM QPSK	1	95	20.76	19.98	19.91	21.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequence (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	81	20.72	20.03	19.84	21.5
BW	MCS Index	Channel		648336	656000	663666	Max. Tune-up
		Frequence (MHz)		3725.04	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	67	20.73	19.99	19.97	21.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequence (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	53	20.69	20.02	19.91	21.5
BW	MCS Index	Channel		647670	656000	664332	Max. Tune-up
		Frequence (MHz)		3715.05	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	39	20.67	19.98	19.97	21.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequence (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	26	20.72	20.04	19.89	21.5
BW	MCS Index	Channel		647166	656000	664832	Max. Tune-up
		Frequence (MHz)		3707.49	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	19	20.66	20.08	19.66	21.5
BW	MCS Index	Channel		647000	656000	664998	Max. Tune-up
		Frequence (MHz)		3705	3840	3974.97	
10M	DFT-s-OFDM QPSK	1	12	20.63	20.12	19.71	21.5

Receiver On Power

n78(Part27Q) (SCS 30 kHz) PC3

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequence (MHz)			3500.01		
100M	CP-OFDM QPSK	1	137		20.40		21
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequence (MHz)		3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	123	20.55	20.58	20.54	21
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequence (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	109	20.48	20.50	20.48	21
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequence (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	81	20.52	20.52	20.52	21
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequence (MHz)		3475.02	3500.01	3524.97	
50M	CP-OFDM QPSK	1	67	19.99	20.50	20.53	21
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequence (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	53	20.37	20.35	20.11	21
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequence (MHz)		3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	39	20.33	20.39	20.07	21
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequence (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	26	20.41	20.40	20.12	21
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequence (MHz)		3457.5	3500.01	3542.49	
15M	CP-OFDM QPSK	1	19	20.44	20.40	20.06	21
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequence (MHz)		3455.01	3500.01	3544.98	
10M	CP-OFDM QPSK	1	12	20.48	19.91	20.14	21

Receiver On Power

n78(Part27Q) (SCS 30 kHz) PC3

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequence (MHz)			3500.01		
100M	DFT-s-OFDM Pi/2 BPSK	1	1		20.76		22
		1	137		21.07		22
		1	271		20.16		22
		135	0		21.14		22
		135	69		21.13		22
		135	138		20.72		22
		270	0		21.06		22
	DFT-s-OFDM QPSK	1	1		20.75		22
		1	137		21.35		22
		1	271		20.24		22
		135	0		21.14		22
		135	69		21.28		22
		135	138		20.74		22
		270	0		21.08		22
	DFT-s-OFDM 16QAM	1	137		20.82		22
	DFT-s-OFDM 64QAM	1	137		21.08		22
	DFT-s-OFDM 256QAM	1	137		20.86		22
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequence (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	123	20.96	21.12	21.03	22
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequence (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	109	21.04	21.02	21.02	22
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequence (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	81	21.03	21.12	21.07	22
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequence (MHz)		3475.02	3500.01	3524.97	
50M	DFT-s-OFDM QPSK	1	67	21.07	21.13	21.10	22
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequence (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	53	21.08	21.12	21.07	22
BW	MCS Index	Channel		21.24	21.31	21.3	Max. Tune-up
		Frequence (MHz)		3465.03	3500.01	3534.96	
30M	DFT-s-OFDM QPSK	1	39	21.02	21.15	21.07	22
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequence (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	26	21.10	21.19	21.12	22
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequence (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	19	21.17	20.88	20.56	22
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequence (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	12	21.18	20.77	20.67	22

Receiver On Power

n78(Part27O) (SCS 30 kHz) PC3

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			650000		
		Frequence (MHz)			3750		
100	CP-OFDM QPSK	1	137		19.65		20.5
BW	MCS Index	Channel		649668	650000	650332	Max. Tune-up
		Frequence (MHz)		3745.02	3750	3754.98	
90M	CP-OFDM QPSK	1	123	19.47	19.56	19.39	20.5
BW	MCS Index	Channel		649334	650000	650666	Max. Tune-up
		Frequence (MHz)		3740.01	3750	3759.99	
80M	CP-OFDM QPSK	1	109	19.78	19.87	19.83	20.5
BW	MCS Index	Channel		648668	650000	651332	Max. Tune-up
		Frequence (MHz)		3730.02	3750	3769.98	
60M	CP-OFDM QPSK	1	81	19.56	19.79	19.70	20.5
BW	MCS Index	Channel		648334	650000	651666	Max. Tune-up
		Frequence (MHz)		3725.01	3750	3774.99	
50M	CP-OFDM QPSK	1	67	19.81	19.92	19.93	20.5
BW	MCS Index	Channel		648000	650000	652000	Max. Tune-up
		Frequence (MHz)		3720	3750	3780	
40M	CP-OFDM QPSK	1	53	19.69	19.86	19.85	20.5
BW	MCS Index	Channel		647670	650000	652666	Max. Tune-up
		Frequence (MHz)		3715.05	3750	3784.98	
30M	CP-OFDM QPSK	1	39	19.50	19.50	19.38	20.5
BW	MCS Index	Channel		647334	650000	652666	Max. Tune-up
		Frequence (MHz)		3710.01	3750	3789.99	
20M	CP-OFDM QPSK	1	26	19.66	19.72	19.72	20.5
BW	MCS Index	Channel		647166	650000	652832	Max. Tune-up
		Frequence (MHz)		3707.49	3750	3792.48	
15M	CP-OFDM QPSK	1	19	19.73	19.80	19.78	20.5
BW	MCS Index	Channel		647000	650000	652998	Max. Tune-up
		Frequence (MHz)		3705	3750	3794.97	
10M	CP-OFDM QPSK	1	12	19.70	19.72	19.59	20.5

Receiver On Power

n78(Part27O) (SCS 30 kHz) PC3

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			650000		
		Frequence (MHz)			3750		
100M	DFT-s-OFDM Pi/2 BPSK	1	1		20.42		21.5
		1	137		20.48		21.5
		1	271		19.72		21.5
		135	0		20.54		21.5
		135	69		20.46		21.5
		135	138		20.15		21.5
		270	0		20.45		21.5
	DFT-s-OFDM QPSK	1	1		20.46		21.5
		1	137		20.69		21.5
		1	271		19.77		21.5
		135	0		20.54		21.5
		135	69		20.66		21.5
		135	138		20.11		21.5
		270	0		20.51		21.5
	DFT-s-OFDM 16QAM	1	137		20.22		21.5
	DFT-s-OFDM 64QAM	1	137		20.26		21.5
	DFT-s-OFDM 256QAM	1	137		20.23		21.5
BW	MCS Index	Channel		649668	650000	650332	Max. Tune-up
		Frequence (MHz)		3745.02	3750	3754.98	
90M	DFT-s-OFDM QPSK	1	123	20.39	19.63	19.73	21.5
BW	MCS Index	Channel		649334	650000	650666	Max. Tune-up
		Frequence (MHz)		3740.01	3750	3759.99	
80M	DFT-s-OFDM QPSK	1	109	20.44	19.67	20.07	21.5
BW	MCS Index	Channel		648668	650000	651332	Max. Tune-up
		Frequence (MHz)		3730.02	3750	3769.98	
60M	DFT-s-OFDM QPSK	1	81	20.37	20.32	20.05	21.5
BW	MCS Index	Channel		648334	650000	651666	Max. Tune-up
		Frequence (MHz)		3725.01	3750	3774.99	
50M	DFT-s-OFDM QPSK	1	67	20.38	19.71	20.18	21.5
BW	MCS Index	Channel		648000	650000	652000	Max. Tune-up
		Frequence (MHz)		3720	3750	3780	
40M	DFT-s-OFDM QPSK	1	53	20.32	20.25	20.01	21.5
BW	MCS Index	Channel		647670	650000	652332	Max. Tune-up
		Frequence (MHz)		3715.05	3750	3784.98	
30M	DFT-s-OFDM QPSK	1	39	20.64	20.29	19.94	21.5
BW	MCS Index	Channel		647334	650000	652666	Max. Tune-up
		Frequence (MHz)		3710.01	3750	3789.99	
20M	DFT-s-OFDM QPSK	1	26	20.35	20.27	20.05	21.5
BW	MCS Index	Channel		647166	650000	652832	Max. Tune-up
		Frequence (MHz)		3707.49	3750	3792.48	
15M	DFT-s-OFDM QPSK	1	19	20.40	20.34	20.10	21.5
BW	MCS Index	Channel		647000	650000	652998	Max. Tune-up
		Frequence (MHz)		3705	3750	3794.97	
10M	DFT-s-OFDM QPSK	1	12	20.48	20.53	20.39	21.5

Receiver On Power

n77(Part27Q) (SCS 30 kHz) PC2

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequence (MHz)			3500.01		
100M	CP-OFDM QPSK	1	137		22.27		23
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequence (MHz)		3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	123	22.36	22.08	22.52	23
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequence (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	109	22.13	22.48	22.44	23
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequence (MHz)		3485.01	3500.01	3514.98	
70M	CP-OFDM QPSK	1	95	22.10	22.44	22.11	23
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequence (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	81	22.45	22.78	22.53	23
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequence (MHz)		3475.02	3500.01	3524.97	
50M	CP-OFDM QPSK	1	67	22.39	22.08	22.46	23
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequence (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	53	22.44	21.96	22.60	23
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequence (MHz)		3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	39	22.42	21.82	22.57	23
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequence (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	26	22.25	21.81	22.48	23
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequence (MHz)		3457.5	3500.01	3542.49	
15M	CP-OFDM QPSK	1	19	22.48	22.18	22.54	23
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequence (MHz)		3455.01	3500.01	3544.98	
10M	CP-OFDM QPSK	1	12	22.52	22.23	22.59	23

Receiver On Power

n77(Part27Q) (SCS 30 kHz) PC2

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequence (MHz)			3500.01		
100M	DFT-s-OFDM PI/2 BPSK	1	1		22.58		24
		1	137		23.23		24
		1	271		22.57		24
		135	0		23.18		24
		135	69		23.25		24
		135	138		22.74		24
		270	0		23.02		24
	DFT-s-OFDM QPSK	1	1		22.61		24
		1	137		23.31		24
		1	271		22.57		24
		135	0		23.22		24
		135	69		23.29		24
		135	138		22.79		24
		270	0		23.03		24
	DFT-s-OFDM 16QAM	1	137		22.71		24
	DFT-s-OFDM 64QAM	1	137		22.33		24
	DFT-s-OFDM 256QAM	1	137		21.58		23
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequence (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	123	22.80	22.59	22.47	24
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequence (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	109	22.70	22.46	22.59	24
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequence (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	95	22.82	22.44	22.61	24
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequence (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	81	22.75	22.46	22.54	24
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequence (MHz)		3475.02	3500.01	3524.97	
50M	DFT-s-OFDM QPSK	1	67	22.61	22.43	22.47	24
BW	MCS Index	Channel		631334	633334	635332	22.5
		Frequence (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	53	22.58	22.94	22.56	24
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequence (MHz)		3465.03	3500.01	3534.96	
30M	DFT-s-OFDM QPSK	1	39	22.66	22.55	22.48	24
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequence (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	26	22.64	22.84	22.44	24
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequence (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	19	22.81	22.57	22.47	24
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequence (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	12	22.92	22.68	22.65	24

Receiver On Power

n77(Part27O) (SCS 30 kHz) PC2

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequence (MHz)		3750	3840	3930	
100M	CP-OFDM QPSK	1	137	21.61	21.73	21.61	22.5
BW	MCS Index	Channel		649668	656000	662328	Max. Tune-up
		Frequence (MHz)		3745.02	3840	3934.92	
90M	CP-OFDM QPSK	1	123	21.38	21.62	21.23	22.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequence (MHz)		3740.01	3840	3939.99	
80M	CP-OFDM QPSK	1	109	21.46	21.59	21.29	22.5
BW	MCS Index	Channel		649002	656000	663000	Max. Tune-up
		Frequence (MHz)		3735.03	3840	3944.99	
70M	CP-OFDM QPSK	1	95	21.35	21.69	21.22	22.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequence (MHz)		3730.02	3840	3949.98	
60M	CP-OFDM QPSK	1	81	21.47	21.68	21.25	22.5
BW	MCS Index	Channel		648336	656000	663666	Max. Tune-up
		Frequence (MHz)		3725.04	3840	3954.99	
50M	CP-OFDM QPSK	1	67	21.60	21.81	21.35	22.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequence (MHz)		3720	3840	3960	
40M	CP-OFDM QPSK	1	53	21.49	21.65	21.31	22.5
BW	MCS Index	Channel		647670	656000	664332	Max. Tune-up
		Frequence (MHz)		3715.05	3840	3964.98	
30M	CP-OFDM QPSK	1	39	21.58	21.74	21.30	22.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequence (MHz)		3710.01	3840	3969.99	
20M	CP-OFDM QPSK	1	26	21.41	21.66	21.25	22.5
BW	MCS Index	Channel		647166	656000	664832	Max. Tune-up
		Frequence (MHz)		3707.49	3840	3972.48	
15M	CP-OFDM QPSK	1	19	21.43	21.82	21.38	22.5
BW	MCS Index	Channel		647000	656000	664998	Max. Tune-up
		Frequence (MHz)		3705	3840	3974.97	
10M	CP-OFDM QPSK	1	12	21.51	21.73	21.33	22.5

Receiver On Power

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BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequence (MHz)		3750	3840	3930	
100M	DFT-s-OFDM PI/2 BPSK	1	1	21.91	22.36	21.92	23.5
		1	137	22.52	22.55	22.45	23.5
		1	271	22.08	22.09	21.83	23.5
		135	0	22.17	22.63	22.55	23.5
		135	69	22.52	22.65	22.48	23.5
		135	138	22.65	22.26	22.12	23.5
		270	0	22.43	22.57	22.33	23.5
	DFT-s-OFDM QPSK	1	1	22.16	22.45	21.87	23.5
		1	137	22.55	22.76	22.51	23.5
		1	271	22.21	21.62	21.94	23.5
		135	0	22.20	22.77	22.52	23.5
		135	69	22.54	22.63	22.57	23.5
		135	138	22.70	22.29	22.15	23.5
		270	0	22.48	22.61	22.38	23.5
	DFT-s-OFDM 16QAM	1	137	22.19	22.42	22.02	23.5
	DFT-s-OFDM 64QAM	1	137	21.86	21.94	21.75	23.5
	DFT-s-OFDM 256QAM	1	137	20.27	20.46	20.18	21.5
BW	MCS Index	Channel		649668	656000	662328	Max. Tune-up
		Frequence (MHz)		3745.02	3840	3934.92	
90M	DFT-s-OFDM QPSK	1	123	22.31	22.48	22.10	23.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequence (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	109	22.58	22.13	22.59	23.5
BW	MCS Index	Channel		649002	656000	663000	Max. Tune-up
		Frequence (MHz)		3735.03	3840	3944.99	
70M	DFT-s-OFDM QPSK	1	95	22.62	22.09	22.55	23.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequence (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	81	22.56	22.12	22.55	23.5
BW	MCS Index	Channel		648336	656000	663666	Max. Tune-up
		Frequence (MHz)		3725.04	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	67	22.59	22.08	22.59	23.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequence (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	53	22.27	22.47	22.11	23.5
BW	MCS Index	Channel		647670	656000	664332	Max. Tune-up
		Frequence (MHz)		3715.05	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	39	22.53	22.02	22.36	23.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequence (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	26	22.24	22.16	21.80	23.5
BW	MCS Index	Channel		647166	656000	664832	Max. Tune-up
		Frequence (MHz)		3707.49	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	19	22.32	22.04	22.26	23.5
BW	MCS Index	Channel		647000	656000	664998	Max. Tune-up
		Frequence (MHz)		3705	3840	3974.97	
10M	DFT-s-OFDM QPSK	1	12	22.03	22.15	22.21	23.5

Receiver On Power

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BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequence (MHz)			3500.01		
100M	CP-OFDM QPSK	1	137		22.25		23
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequence (MHz)		3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	123	22.47	21.99	21.68	23
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequence (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	109	21.85	21.97	21.82	23
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequence (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	81	21.83	21.96	21.78	23
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequence (MHz)		3475.02	3500.01	3524.97	
50M	CP-OFDM QPSK	1	67	21.68	22.19	21.84	23
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequence (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	53	21.75	22.16	21.79	23
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequence (MHz)		3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	39	21.82	22.07	21.86	23
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequence (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	26	21.72	21.94	21.76	23
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequence (MHz)		3457.5	3500.01	3542.49	
15M	CP-OFDM QPSK	1	19	21.85	22.21	21.90	23
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequence (MHz)		3455.01	3500.01	3544.98	
10M	CP-OFDM QPSK	1	12	21.93	22.28	21.92	23

Receiver On Power

n78(Part27Q) (SCS 30 kHz) PC2

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequence (MHz)			3500.01		
100M	DFT-s-OFDM PI/2 BPSK	1	1		22.76		24
		1	137		23.08		24
		1	271		22.12		24
		135	0		23.27		24
		135	69		23.13		24
		135	138		22.73		24
		270	0		23.05		24
	DFT-s-OFDM QPSK	1	1		22.82		24
		1	137		23.37		24
		1	271		22.25		24
		135	0		23.26		24
		135	69		23.29		24
		135	138		22.76		24
		270	0		23.08		24
	DFT-s-OFDM 16QAM	1	137		22.92		24
	DFT-s-OFDM 64QAM	1	137		22.55		23.5
	DFT-s-OFDM 256QAM	1	137		20.97		22
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequence (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	123	22.94	22.32	22.84	24
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequence (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	109	22.80	22.29	22.79	24
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequence (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	81	22.89	22.36	22.83	24
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequence (MHz)		3475.02	3500.01	3524.97	
50M	DFT-s-OFDM QPSK	1	67	22.87	22.28	22.70	24
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequence (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	53	22.69	22.19	22.72	24
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequence (MHz)		3465.03	3500.01	3534.96	
30M	DFT-s-OFDM QPSK	1	39	22.76	22.89	22.60	24
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequence (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	26	22.86	22.28	22.62	24
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequence (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	19	22.79	22.36	22.76	24
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequence (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	12	22.95	22.38	22.86	24

Receiver On Power

n78(Part27O) (SCS 30 kHz) PC2

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			650000		
		Frequence (MHz)			3750		
100	CP-OFDM QPSK	1	137		21.88		22.5
BW	MCS Index	Channel		649668	650000	650332	Max. Tune-up
		Frequence (MHz)		3745.02	3750	3754.98	
90M	CP-OFDM QPSK	1	123	21.49	21.87	21.81	22.5
BW	MCS Index	Channel		649334	650000	650666	Max. Tune-up
		Frequence (MHz)		3740.01	3750	3759.99	
80M	CP-OFDM QPSK	1	109	21.43	21.90	21.81	22.5
BW	MCS Index	Channel		648668	650000	651332	Max. Tune-up
		Frequence (MHz)		3730.02	3750	3769.98	
60M	CP-OFDM QPSK	1	81	21.45	21.86	21.84	22.5
BW	MCS Index	Channel		648334	650000	651666	Max. Tune-up
		Frequence (MHz)		3725.01	3750	3774.99	
50M	CP-OFDM QPSK	1	67	21.33	21.85	21.72	22.5
BW	MCS Index	Channel		648000	650000	652000	Max. Tune-up
		Frequence (MHz)		3720	3750	3780	
40M	CP-OFDM QPSK	1	53	21.40	21.83	21.75	22.5
BW	MCS Index	Channel		647670	650000	652666	Max. Tune-up
		Frequence (MHz)		3715.05	3750	3784.98	
30M	CP-OFDM QPSK	1	39	21.31	21.86	22.07	22.5
BW	MCS Index	Channel		647334	650000	652666	Max. Tune-up
		Frequence (MHz)		3710.01	3750	3789.99	
20M	CP-OFDM QPSK	1	26	21.43	21.85	21.80	22.5
BW	MCS Index	Channel		647166	650000	652832	Max. Tune-up
		Frequence (MHz)		3707.49	3750	3792.48	
15M	CP-OFDM QPSK	1	19	21.46	21.86	21.80	22.5
BW	MCS Index	Channel		647000	650000	652998	Max. Tune-up
		Frequence (MHz)		3705	3750	3794.97	
10M	CP-OFDM QPSK	1	12	21.51	21.94	21.86	22.5

Receiver On Power

n78(Part27O) (SCS 30 kHz) PC2

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			650000		
		Frequence (MHz)			3750		
100M	DFT-s-OFDM PI/2 BPSK	1	1		22.19		23.5
		1	137		22.24		23.5
		1	271		21.72		23.5
		135	0		22.53		23.5
		135	69		22.41		23.5
		135	138		22.08		23.5
		270	0		22.35		23.5
	DFT-s-OFDM QPSK	1	1		22.15		23.5
		1	137		22.54		23.5
		1	271		22.26		23.5
		135	0		22.46		23.5
		135	69		22.53		23.5
		135	138		22.07		23.5
		270	0		22.32		23.5
	DFT-s-OFDM 16QAM	1	137		22.47		23.5
	DFT-s-OFDM 64QAM	1	137		22.36		22.5
	DFT-s-OFDM 256QAM	1	137		20.12		21.5
BW	MCS Index	Channel		649668	650000	650332	Max. Tune-up
		Frequence (MHz)		3745.02	3750	3754.98	
90M	DFT-s-OFDM QPSK	1	123	22.13	21.71	21.87	23.5
BW	MCS Index	Channel		649334	650000	650666	Max. Tune-up
		Frequence (MHz)		3740.01	3750	3759.99	
80M	DFT-s-OFDM QPSK	1	109	22.07	21.75	21.83	23.5
BW	MCS Index	Channel		648668	650000	651332	Max. Tune-up
		Frequence (MHz)		3730.02	3750	3769.98	
60M	DFT-s-OFDM QPSK	1	81	22.11	21.74	21.87	23.5
BW	MCS Index	Channel		648334	650000	651666	Max. Tune-up
		Frequence (MHz)		3725.01	3750	3774.99	
50M	DFT-s-OFDM QPSK	1	67	22.15	21.79	21.88	23.5
BW	MCS Index	Channel		648000	650000	652000	Max. Tune-up
		Frequence (MHz)		3720	3750	3780	
40M	DFT-s-OFDM QPSK	1	53	22.17	21.83	21.82	23.5
BW	MCS Index	Channel		647670	650000	652332	Max. Tune-up
		Frequence (MHz)		3715.05	3750	3784.98	
30M	DFT-s-OFDM QPSK	1	39	22.12	21.77	21.88	23.5
BW	MCS Index	Channel		647334	650000	652666	Max. Tune-up
		Frequence (MHz)		3710.01	3750	3789.99	
20M	DFT-s-OFDM QPSK	1	26	22.16	21.77	21.89	23.5
BW	MCS Index	Channel		647166	650000	652832	Max. Tune-up
		Frequence (MHz)		3707.49	3750	3792.48	
15M	DFT-s-OFDM QPSK	1	19	22.10	21.81	21.85	23.5
BW	MCS Index	Channel		647000	650000	652998	Max. Tune-up
		Frequence (MHz)		3705	3750	3794.97	
10M	DFT-s-OFDM QPSK	1	12	22.18	21.85	21.90	23.5

sensor on

n2 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequence (MHz)		1860	1880	1900	
20M	CP-OFDM QPSK	1	1	18.51	18.52	18.30	19.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequence (MHz)		1857.5	1880	1902.5	
15M	CP-OFDM QPSK	1	1	18.44	18.52	18.33	19.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequence (MHz)		1855	1880	1905	
10M	CP-OFDM QPSK	1	1	18.47	18.49	18.33	19.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequence (MHz)		1852.5	1880	1907.5	
5M	CP-OFDM QPSK	1	1	18.46	18.54	18.32	19.5

sensor on

n2 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequence (MHz)		1860	1880	1900	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	19.45	19.42	19.39	20.5
		1	53	19.44	19.56	19.48	20.5
		1	104	19.56	19.39	19.35	20.5
		50	0	19.45	19.50	19.53	20.5
		50	28	19.58	19.58	19.49	20.5
		50	56	19.47	19.56	19.42	20.5
		100	0	19.50	19.55	19.53	20.5
	DFT-s-OFDM QPSK	1	1	19.38	19.47	19.31	20.5
		1	53	19.57	19.69	19.46	20.5
		1	104	19.41	19.59	19.33	20.5
		50	0	19.45	19.53	19.51	20.5
		50	28	19.53	19.60	19.49	20.5
		50	56	19.45	19.57	19.43	20.5
		100	0	19.46	19.54	19.53	20.5
	DFT-s-OFDM 16QAM	1	1	19.15	19.16	1.19	20.5
	DFT-s-OFDM 64QAM	1	1	19.22	19.25	19.12	20.5
	DFT-s-OFDM 256QAM	1	1	19.64	19.66	19.58	20.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequence (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	19.36	19.39	19.15	20.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequence (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	19.29	19.39	19.18	20.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequence (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	19.32	19.36	19.18	20.5

sensor on

n7 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		502000	507000	512000	
		Frequence (MHz)		2510	2535	2560	
20M	CP-OFDM QPSK	1	1	21.08	21.39	21.54	22.5
BW	MCS Index	Channel		501500	507000	512500	Max. Tune-up
		Frequence (MHz)		2507.5	2535	2562.5	
15M	CP-OFDM QPSK	1	1	21.08	21.39	21.54	22.5
BW	MCS Index	Channel		501000	507000	513000	Max. Tune-up
		Frequence (MHz)		2505	2535	2565	
10M	CP-OFDM QPSK	1	1	21.04	21.36	21.57	22.5
BW	MCS Index	Channel		500500	507000	513500	Max. Tune-up
		Frequence (MHz)		2502.5	2535	2567.5	
5M	CP-OFDM QPSK	1	1	21.03	21.41	21.56	22.5

sensor on

n7 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		502000	507000	512000	
		Frequence (MHz)		2510	2535	2560	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	21.96	22.28	22.43	23.5
		1	53	22.15	22.51	22.48	23.5
		1	104	22.04	22.57	22.61	23.5
		50	0	21.92	22.26	22.59	23.5
		50	28	22.09	22.45	22.46	23.5
		50	56	22.01	22.46	22.27	23.5
		100	0	21.93	22.36	22.65	23.5
	DFT-s-OFDM QPSK	1	1	22.13	22.74	22.41	23.5
		1	53	22.10	22.35	22.72	23.5
		1	104	21.94	22.41	22.64	23.5
		50	0	21.89	22.22	22.24	23.5
		50	28	22.08	22.56	22.48	23.5
		50	56	21.92	22.31	22.52	23.5
		100	0	21.99	22.71	22.59	23.5
	DFT-s-OFDM 16QAM	1	1	21.77	21.87	21.75	22.5
	DFT-s-OFDM 64QAM	1	1	21.26	21.54	21.56	22.0
	DFT-s-OFDM 256QAM	1	1	20.21	20.86	20.27	21.0
BW	MCS Index	Channel		501500	507000	512500	Max. Tune-up
		Frequence (MHz)		2507.5	2535	2562.5	
15M	DFT-s-OFDM QPSK	1	1	21.90	22.23	22.36	23.5
BW	MCS Index	Channel		501000	507000	513000	Max. Tune-up
		Frequence (MHz)		2505	2535	2565	
10M	DFT-s-OFDM QPSK	1	1	21.86	22.20	22.39	23.5
BW	MCS Index	Channel		500500	507000	513500	Max. Tune-up
		Frequence (MHz)		2502.5	2535	2567.5	
5M	DFT-s-OFDM QPSK	1	1	21.83	22.23	22.39	23.5

sensor on

n25 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376500	381000	
		Frequence (MHz)		1860	1882.5	1905	
20M	CP-OFDM QPSK	1	1	18.24	18.22	18.03	19.5
BW	MCS Index	Channel		371500	376500	381500	Max. Tune-up
		Frequence (MHz)		1857.5	1882.5	1907.5	
15M	CP-OFDM QPSK	1	1	18.17	18.22	18.06	19.5
BW	MCS Index	Channel		371000	376500	382000	Max. Tune-up
		Frequence (MHz)		1855	1882.5	1910	
10M	CP-OFDM QPSK	1	1	18.20	18.19	18.06	19.5
BW	MCS Index	Channel		370500	376500	382500	Max. Tune-up
		Frequence (MHz)		1852.5	1882.5	1912.5	
5M	CP-OFDM QPSK	1	1	18.19	18.24	18.05	19.5

sensor on

n25 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376500	381000	
		Frequence (MHz)		1860	1882.5	1905	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	19.46	19.50	19.33	20.5
		1	53	19.66	19.61	19.48	20.5
		1	104	19.56	19.46	19.44	20.5
		50	0	19.50	19.52	19.58	20.5
		50	28	19.63	19.67	19.55	20.5
		50	56	19.48	19.60	19.41	20.5
		100	0	18.95	19.58	19.54	20.5
	DFT-s-OFDM QPSK	1	1	19.58	19.79	19.34	20.5
		1	53	19.59	19.62	19.45	20.5
		1	104	19.51	19.42	19.36	20.5
		50	0	19.42	19.55	19.55	20.5
		50	28	19.53	19.67	19.56	20.5
		50	56	19.46	19.62	19.42	20.5
		100	0	19.50	19.59	19.51	20.5
	DFT-s-OFDM 16QAM	1	1	19.24	19.23	19.05	20.5
	DFT-s-OFDM 64QAM	1	1	19.26	19.33	19.07	20.5
	DFT-s-OFDM 256QAM	1	1	19.77	19.52	19.54	20.5
BW	MCS Index	Channel		371500	376500	381500	Max. Tune-up
		Frequence (MHz)		1857.5	1882.5	1907.5	
15M	DFT-s-OFDM QPSK	1	1	19.15	19.15	18.92	20.5
BW	MCS Index	Channel		371000	376500	382000	Max. Tune-up
		Frequence (MHz)		1855	1882.5	1910	
10M	DFT-s-OFDM QPSK	1	1	19.08	19.15	18.95	20.5
BW	MCS Index	Channel		370500	376500	382500	Max. Tune-up
		Frequence (MHz)		1852.5	1882.5	1912.5	
5M	DFT-s-OFDM QPSK	1	1	19.11	19.12	18.97	20.5

sensor on

n38 (SCS 30 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		516000	519000	522000	
		Frequence (MHz)		2580	2595	2610	
20M	CP-OFDM QPSK	1	1	20.15	20.25	20.26	21
BW	MCS Index	Channel		515500	519000	522500	Max. Tune-up
		Frequence (MHz)		2577.5	2595	2612.5	
15M	CP-OFDM QPSK	1	1	20.12	20.28	20.26	21
BW	MCS Index	Channel		515000	519000	523000	Max. Tune-up
		Frequence (MHz)		2575	2595	2615	
10M	CP-OFDM QPSK	1	1	20.14	20.30	20.25	21

sensor on

n38 (SCS 30 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		516000	519000	522000	
		Frequence (MHz)		2580	2595	2610	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	21.12	21.22	21.31	22
		1	26	21.43	21.45	21.41	22
		1	49	21.27	21.36	21.36	22
		25	0	21.39	21.44	21.48	22
		25	13	21.45	21.54	21.43	22
		25	26	21.40	21.46	21.45	22
		50	0	21.39	21.49	21.50	22
	DFT-s-OFDM QPSK	1	1	21.11	21.55	21.26	22
		1	26	21.32	21.34	21.45	22
		1	49	21.18	21.29	21.26	22
		25	0	21.38	21.47	21.48	22
		25	13	21.43	21.54	21.53	22
		25	26	21.36	21.42	21.48	22
		50	0	21.41	21.47	21.45	22
	DFT-s-OFDM 16QAM	1	1	20.89	21.01	21.00	22
	DFT-s-OFDM 64QAM	1	1	21.06	21.09	21.12	22
	DFT-s-OFDM 256QAM	1	1	20.05	20.03	20.15	21
BW	MCS Index	Channel		515500	519000	522500	Max. Tune-up
		Frequence (MHz)		2577.5	2595	2612.5	
15M	DFT-s-OFDM QPSK	1	1	20.81	20.97	20.95	22
BW	MCS Index	Channel		515000	519000	523000	Max. Tune-up
		Frequence (MHz)		2575	2595	2615	
10M	DFT-s-OFDM QPSK	1	1	20.88	20.97	20.92	22

sensor on

n41 (SCS 30 kHz) PC3

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequence (MHz)		2546.01	2592.99	2640	
100	CP-OFDM QPSK	1	137	18.15	17.96	18.02	19
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequence (MHz)		2541	2592.99	2644.98	
90M	CP-OFDM QPSK	1	123	18.13	17.95	17.98	19
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequence (MHz)		2536.02	2592.99	2649.99	
80M	CP-OFDM QPSK	1	109	18.14	17.92	17.94	19
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequence (MHz)		2531.01	2592.99	2655	
70M	CP-OFDM QPSK	1	95	18.12	18.02	17.97	19
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequence (MHz)		2526	2592.99	2659.98	
60M	CP-OFDM QPSK	1	81	18.13	17.88	18.01	19
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequence (MHz)		2521.02	2592.99	2664.99	
50M	CP-OFDM QPSK	1	67	18.10	17.89	17.97	19
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequence (MHz)		2516.01	2592.99	2670	
40M	CP-OFDM QPSK	1	53	18.06	17.86	17.91	19
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequence (MHz)		2506.02	2592.99	2679.99	
20M	CP-OFDM QPSK	1	26	18.08	17.88	17.93	19
BW	MCS Index	Channel		500700	518598	536496	Max. Tune-up
		Frequence (MHz)		2503.5	2592.99	2682.48	
15M	CP-OFDM QPSK	1	19	18.02	17.85	17.92	19
BW	MCS Index	Channel		500202	518598	537000	Max. Tune-up
		Frequence (MHz)		2501.01	2592.99	2685	
10M	CP-OFDM QPSK	1	12	18.08	17.81	17.95	19

sensor on

n41 (SCS 30 kHz) PC3

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequence (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	18.34	18.16	18.13	20
		1	137	19.02	18.73	18.86	20
		1	271	18.36	18.36	18.35	20
		135	0	18.83	18.39	18.83	20
		135	69	19.14	18.77	19.00	20
		135	138	19.07	18.73	18.68	20
		270	0	18.95	18.61	18.78	20
	DFT-s-OFDM QPSK	1	1	18.36	18.18	18.13	20
		1	137	19.35	18.67	18.88	20
		1	271	18.43	18.46	18.38	20
		135	0	18.85	18.45	18.93	20
		135	69	19.11	18.81	18.97	20
		135	138	19.07	18.78	18.75	20
		270	0	19.03	18.66	18.86	20
	DFT-s-OFDM 16QAM	1	137	18.71	18.58	18.73	20
	DFT-s-OFDM 64QAM	1	137	18.77	18.59	18.58	20
	DFT-s-OFDM 256QAM	1	137	19.28	19.12	19.14	20
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequence (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	123	19.17	18.90	18.82	20
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequence (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	109	19.19	18.92	18.84	20
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequence (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	95	19.13	18.86	18.86	20
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequence (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	81	19.18	18.87	18.86	20
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequence (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	67	19.20	18.91	18.83	20
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequence (MHz)		2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	1	53	19.15	18.85	18.86	20
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequence (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	26	19.13	18.89	18.83	20
BW	MCS Index	Channel		500700	518598	536496	Max. Tune-up
		Frequence (MHz)		2503.5	2592.99	2682.48	
15M	DFT-s-OFDM QPSK	1	19	19.17	18.88	18.83	20
BW	MCS Index	Channel		500202	518598	537000	Max. Tune-up
		Frequence (MHz)		2501.01	2592.99	2685	
10M	DFT-s-OFDM QPSK	1	12	19.13	18.91	18.82	20

sensor on

n41 (SCS 30 kHz) PC2

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequence (MHz)		2546.01	2592.99	2640	
100	CP-OFDM QPSK	1	137	19.75	20.07	19.73	20.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequence (MHz)		2541	2592.99	2644.98	
90M	CP-OFDM QPSK	1	123	19.53	19.84	19.47	20.5
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequence (MHz)		2536.02	2592.99	2649.99	
80M	CP-OFDM QPSK	1	109	19.51	19.87	19.50	20.5
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequence (MHz)		2531.01	2592.99	2655	
70M	CP-OFDM QPSK	1	95	19.55	19.81	19.53	20.50
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequence (MHz)		2526	2592.99	2659.98	
60M	CP-OFDM QPSK	1	81	19.49	19.88	19.53	20.5
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequence (MHz)		2521.02	2592.99	2664.99	
50M	CP-OFDM QPSK	1	67	19.45	19.76	19.42	20.5
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequence (MHz)		2516.01	2592.99	2670	
40M	CP-OFDM QPSK	1	53	19.42	19.74	19.40	20.5
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequence (MHz)		2506.02	2592.99	2679.99	
20M	CP-OFDM QPSK	1	26	19.36	19.68	19.34	20.5
BW	MCS Index	Channel		500700	518598	536496	Max. Tune-up
		Frequence (MHz)		2503.5	2592.99	2682.48	
15M	CP-OFDM QPSK	1	19	19.40	19.72	19.38	20.5
BW	MCS Index	Channel		500202	518598	537000	Max. Tune-up
		Frequence (MHz)		2501.01	2592.99	2685	
10M	CP-OFDM QPSK	1	12	19.65	19.97	19.63	20.5

sensor on

n41 (SCS 30 kHz) PC2

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequence (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	20.10	20.25	20.50	21.5
		1	137	20.52	20.67	20.55	21.5
		1	271	20.22	20.14	19.97	21.5
		135	0	20.12	20.52	20.62	21.5
		135	69	20.44	20.80	20.73	21.5
		135	138	20.47	20.73	20.48	21.5
		270	0	20.27	20.66	20.49	21.5
	DFT-s-OFDM QPSK	1	1	19.73	19.97	19.78	21.5
		1	137	20.57	20.89	20.55	21.5
		1	271	20.12	20.16	20.10	21.5
		135	0	20.14	20.56	20.60	21.5
		135	69	20.46	20.82	20.74	21.5
		135	138	20.50	20.73	20.45	21.5
		270	0	20.37	20.69	20.58	21.5
	DFT-s-OFDM 16QAM	1	137	20.33	20.58	20.22	21.5
	DFT-s-OFDM 64QAM	1	137	20.63	20.54	20.18	21.5
	DFT-s-OFDM 256QAM	1	137	20.73	20.82	20.84	21.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequence (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	123	20.44	20.74	20.58	21.5
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequence (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	109	20.42	20.80	20.66	21.5
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequence (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	95	20.37	20.74	20.61	21.5
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequence (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	81	20.43	20.69	20.65	21.5
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequence (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	67	20.36	20.70	20.68	21.5
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequence (MHz)		2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	1	53	20.42	20.66	20.72	21.5
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequence (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	26	20.27	20.67	20.70	21.5
BW	MCS Index	Channel		500700	518598	536496	Max. Tune-up
		Frequence (MHz)		2503.5	2592.99	2682.48	
15M	DFT-s-OFDM QPSK	1	19	20.40	20.67	20.61	21.5
BW	MCS Index	Channel		500202	518598	537000	Max. Tune-up
		Frequence (MHz)		2501.01	2592.99	2685	
10M	DFT-s-OFDM QPSK	1	12	20.51	20.79	20.43	21.5

sensor on

n48(SCS 30 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequence (MHz)		3570	3624.99	3679.98	
40M	CP-OFDM QPSK	1	53	18.69	19.59	19.48	20
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequence (MHz)		3560.01	3624.99	3690	
20M	CP-OFDM QPSK	1	26	18.55	19.45	19.34	20
BW	MCS Index	Channel		637168	641666	646166	Max. Tune-up
		Frequence (MHz)		3557.52	3624.99	3692.49	
15M	CP-OFDM QPSK	1	19	18.60	19.50	19.39	20
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequence (MHz)		3555	3624.99	3694.98	
10M	CP-OFDM QPSK	1	12	18.61	19.48	19.38	20

sensor on

n48 (SCS 30 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequence (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	19.45	19.35	20.14	21
		1	53	19.45	20.15	20.22	21
		1	104	19.25	20.16	19.85	21
		50	0	19.18	19.85	20.03	21
		50	28	19.33	20.15	20.28	21
		50	56	19.30	20.22	20.27	21
		100	0	19.23	20.03	20.32	21
	DFT-s-OFDM QPSK	1	1	19.26	19.42	20.07	21
		1	53	19.45	20.35	20.24	21
		1	104	19.37	20.20	19.94	21
		50	0	19.20	19.92	19.98	21
		50	28	19.38	20.25	20.08	21
		50	56	19.36	20.13	20.19	21
		100	0	19.28	20.17	20.12	21
	DFT-s-OFDM 16QAM	1	53	19.83	19.99	19.58	21
	DFT-s-OFDM 64QAM	1	53	19.79	19.96	19.63	20
	DFT-s-OFDM 256QAM	1	53	18.23	18.11	18.21	19
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequence (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	26	19.41	20.23	20.16	21
BW	MCS Index	Channel		637168	641666	646166	Max. Tune-up
		Frequence (MHz)		3557.52	3624.99	3692.49	
15M	DFT-s-OFDM QPSK	1	19	19.28	20.11	20.04	21
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequence (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	12	19.36	20.28	20.19	21

sensor on

n66 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequence (MHz)		1730	1745	1760	
40M	CP-OFDM QPSK	1	108	18.85	19.01	18.89	19.5
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequence (MHz)		1725	1745	1765	
30M	CP-OFDM QPSK	1	80	18.69	18.79	18.81	19.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequence (MHz)		1720	1745	1770	
20M	CP-OFDM QPSK	1	53	18.70	18.82	18.74	19.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequence (MHz)		1717.5	1745	1772.5	
15M	CP-OFDM QPSK	1	39	18.72	18.80	17.77	19.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequence (MHz)		1715	1745	1775	
10M	CP-OFDM QPSK	1	26	18.67	18.84	18.70	19.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequence (MHz)		1712.5	1745	1777.5	
5M	CP-OFDM QPSK	1	13	18.65	18.74	18.73	19.5

sensor on

n66 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequence (MHz)		1730	1745	1760	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	19.42	19.34	19.26	20.5
		1	108	19.76	19.81	19.83	20.5
		1	214	19.31	19.46	19.33	20.5
		108	0	19.71	19.79	19.67	20.5
		108	54	19.83	19.82	19.77	20.5
		108	108	19.86	19.58	19.85	20.5
		216	0	19.85	19.66	19.75	20.5
	DFT-s-OFDM QPSK	1	1	19.41	19.23	19.24	20.5
		1	108	19.79	19.95	19.83	20.5
		1	214	19.42	19.47	19.35	20.5
		108	0	19.74	19.76	19.73	20.5
		108	54	19.82	19.87	19.78	20.5
		108	108	19.85	19.59	19.86	20.5
		216	0	19.67	19.76	19.74	20.5
	DFT-s-OFDM 16QAM	1	108	19.62	19.33	19.72	20.5
	DFT-s-OFDM 64QAM	1	108	19.44	19.49	19.91	20.5
	DFT-s-OFDM 256QAM	1	108	19.68	19.83	19.56	20.5
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequence (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	80	19.74	19.88	19.78	20.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequence (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	53	19.71	19.93	19.78	20.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequence (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	39	19.63	19.92	19.72	20.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequence (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	26	19.67	19.86	19.70	20.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequence (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	13	19.72	19.81	19.79	20.5

sensor on

n77(Part27Q) (SCS 30 kHz) PC3

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequence (MHz)			3500.01		
100M	CP-OFDM QPSK	1	137		19.34		20
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequence (MHz)		3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	123	19.35	19.34	19.23	20
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequence (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	109	19.30	19.27	19.18	20
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequence (MHz)		3485.01	3500.01	3514.98	
70M	CP-OFDM QPSK	1	95	19.28	19.34	19.26	20
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequence (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	81	19.31	19.31	19.26	20
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequence (MHz)		3475.02	3500.01	3524.97	
50M	CP-OFDM QPSK	1	67	19.23	19.27	19.21	20
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequence (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	53	19.26	19.24	19.21	20
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequence (MHz)		3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	39	19.18	19.20	19.16	20
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequence (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	26	19.21	19.17	19.16	20
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequence (MHz)		3457.5	3500.01	3542.49	
15M	CP-OFDM QPSK	1	19	19.20	19.13	19.08	20
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequence (MHz)		3455.01	3500.01	3544.98	
10M	CP-OFDM QPSK	1	12	19.25	19.20	19.13	20

sensor on

n77(Part27Q) (SCS 30 kHz) PC3

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequence (MHz)			3500.01		
100M	DFT-s-OFDM PI/2 BPSK	1	1		19.63		21
		1	137		20.22		21
		1	271		19.54		21
		135	0		20.21		21
		135	69		20.18		21
		135	138		19.78		21
		270	0		20.03		21
	DFT-s-OFDM QPSK	1	1		19.58		21
		1	137		20.35		21
		1	271		19.51		21
		135	0		20.26		21
		135	69		20.27		21
		135	138		19.82		21
		270	0		20.04		21
	DFT-s-OFDM 16QAM	1	137		20.32		21
	DFT-s-OFDM 64QAM	1	137		20.24		21
	DFT-s-OFDM 256QAM	1	137		20.28		21
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequence (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	123	20.29	20.31	20.24	21
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequence (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	109	20.23	20.29	20.28	21
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequence (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	95	20.24	20.25	20.29	21
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequence (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	81	20.21	20.30	20.32	21
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequence (MHz)		3475.02	3500.01	3524.97	
50M	DFT-s-OFDM QPSK	1	67	20.19	20.15	20.31	21
BW	MCS Index	Channel		631334	633334	635332	22.5
		Frequence (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	53	20.27	20.23	20.30	21
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequence (MHz)		3465.03	3500.01	3534.96	
30M	DFT-s-OFDM QPSK	1	39	20.23	20.24	20.18	21
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequence (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	26	20.17	20.19	20.24	21
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequence (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	19	20.19	20.17	20.21	21
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequence (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	12	20.25	20.26	20.27	21

sensor on

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BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequence (MHz)		3750	3840	3930	
100M	CP-OFDM QPSK	1	137	19.29	19.35	18.38	20
BW	MCS Index	Channel		649668	656000	662328	Max. Tune-up
		Frequence (MHz)		3745.02	3840	3934.92	
90M	CP-OFDM QPSK	1	123	19.28	19.31	18.30	20
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequence (MHz)		3740.01	3840	3939.99	
80M	CP-OFDM QPSK	1	109	19.23	19.30	18.37	20
BW	MCS Index	Channel		649002	656000	663000	Max. Tune-up
		Frequence (MHz)		3735.03	3840	3944.99	
70M	CP-OFDM QPSK	1	95	19.25	19.30	18.33	20
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequence (MHz)		3730.02	3840	3949.98	
60M	CP-OFDM QPSK	1	81	19.19	19.21	18.28	20
BW	MCS Index	Channel		648336	656000	663666	Max. Tune-up
		Frequence (MHz)		3725.04	3840	3954.99	
50M	CP-OFDM QPSK	1	67	19.22	19.26	18.33	20
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequence (MHz)		3720	3840	3960	
40M	CP-OFDM QPSK	1	53	19.27	19.28	18.33	20
BW	MCS Index	Channel		647670	656000	664332	Max. Tune-up
		Frequence (MHz)		3715.05	3840	3964.98	
30M	CP-OFDM QPSK	1	39	19.16	19.24	18.28	20
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequence (MHz)		3710.01	3840	3969.99	
20M	CP-OFDM QPSK	1	26	19.21	19.25	18.31	20
BW	MCS Index	Channel		647166	656000	664832	Max. Tune-up
		Frequence (MHz)		3707.49	3840	3972.48	
15M	CP-OFDM QPSK	1	19	19.26	19.34	18.32	20
BW	MCS Index	Channel		647000	656000	664998	Max. Tune-up
		Frequence (MHz)		3705	3840	3974.97	
10M	CP-OFDM QPSK	1	12	19.31	19.27	18.52	20

sensor on

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BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequence (MHz)		3750	3840	3930	
100M	DFT-s-OFDM PI/2 BPSK	1	1	19.72	19.71	19.32	21
		1	137	19.97	19.90	19.93	21
		1	271	19.42	19.54	19.60	21
		135	0	19.89	20.13	19.84	21
		135	69	19.91	19.96	19.86	21
		135	138	19.96	19.58	19.36	21
		270	0	19.73	19.85	19.65	21
	DFT-s-OFDM QPSK	1	1	19.83	19.84	19.56	21
		1	137	20.17	20.23	19.26	21
		1	271	19.58	19.23	19.31	21
		135	0	19.53	20.10	19.85	21
		135	69	19.90	20.18	19.84	21
		135	138	19.96	19.63	19.49	21
		270	0	19.79	19.92	19.67	21
	DFT-s-OFDM 16QAM	1	137	19.41	19.58	19.88	21
	DFT-s-OFDM 64QAM	1	137	19.72	20.13	19.71	21
	DFT-s-OFDM 256QAM	1	137	19.49	19.83	20.15	21
BW	MCS Index	Channel		649668	656000	662328	Max. Tune-up
		Frequence (MHz)		3745.02	3840	3934.92	
90M	DFT-s-OFDM QPSK	1	123	20.13	20.07	19.23	21
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequence (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	109	20.07	20.14	19.19	21
BW	MCS Index	Channel		649002	656000	663000	Max. Tune-up
		Frequence (MHz)		3735.03	3840	3944.99	
70M	DFT-s-OFDM QPSK	1	95	20.10	20.15	19.21	21
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequence (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	81	20.09	20.22	19.25	21
BW	MCS Index	Channel		648336	656000	663666	Max. Tune-up
		Frequence (MHz)		3725.04	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	67	20.15	20.15	19.24	21
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequence (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	53	19.96	20.05	19.16	21
BW	MCS Index	Channel		647670	656000	664332	Max. Tune-up
		Frequence (MHz)		3715.05	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	39	20.11	19.99	19.20	21
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequence (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	26	20.06	20.07	19.14	21
BW	MCS Index	Channel		647166	656000	664832	Max. Tune-up
		Frequence (MHz)		3707.49	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	19	19.99	20.14	19.17	21
BW	MCS Index	Channel		647000	656000	664998	Max. Tune-up
		Frequence (MHz)		3705	3840	3974.97	
10M	DFT-s-OFDM QPSK	1	12	20.12	20.01	19.25	21

sensor on

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BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequence (MHz)			3500.01		
100M	CP-OFDM QPSK	1	137		19.27		20
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequence (MHz)		3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	123	19.23	19.24	19.21	20
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequence (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	109	19.19	19.23	19.22	20
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequence (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	81	19.22	19.19	19.26	20
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequence (MHz)		3475.02	3500.01	3524.97	
50M	CP-OFDM QPSK	1	67	19.21	19.20	19.23	20
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequence (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	53	19.17	19.17	19.18	20
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequence (MHz)		3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	39	19.13	19.21	19.16	20
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequence (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	26	19.01	19.02	18.99	20
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequence (MHz)		3457.5	3500.01	3542.49	
15M	CP-OFDM QPSK	1	19	19.09	19.10	19.07	20
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequence (MHz)		3455.01	3500.01	3544.98	
10M	CP-OFDM QPSK	1	12	19.25	19.26	19.23	20

sensor on

n78(Part27Q) (SCS 30 kHz) PC3

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequence (MHz)			3500.01		
100M	DFT-s-OFDM Pi/2 BPSK	1	1		20.11		21
		1	137		20.10		21
		1	271		19.52		21
		135	0		20.29		21
		135	69		20.47		21
		135	138		20.06		21
		270	0		20.41		21
	DFT-s-OFDM QPSK	1	1		19.90		21
		1	137		20.54		21
		1	271		19.54		21
		135	0		20.49		21
		135	69		20.31		21
		135	138		20.18		21
		270	0		20.09		21
	DFT-s-OFDM 16QAM	1	137		20.17		21
	DFT-s-OFDM 64QAM	1	137		20.12		21
	DFT-s-OFDM 256QAM	1	137		20.37		21
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequence (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	123	20.53	20.50	20.46	21
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequence (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	109	20.50	20.51	20.48	21
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequence (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	81	20.48	20.49	20.53	21
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequence (MHz)		3475.02	3500.01	3524.97	
50M	DFT-s-OFDM QPSK	1	67	20.52	20.47	20.49	21
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequence (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	53	20.46	20.50	20.41	21
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequence (MHz)		3465.03	3500.01	3534.96	
30M	DFT-s-OFDM QPSK	1	39	20.41	20.43	20.44	21
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequence (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	26	20.39	20.45	20.47	21
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequence (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	19	20.44	20.41	20.51	21
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequence (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	12	20.47	20.38	20.33	21

sensor on

n78(Part27O) (SCS 30 kHz) PC3

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			650000		
		Frequence (MHz)			3750		
100	CP-OFDM QPSK	1	137		19.23		20
BW	MCS Index	Channel		649668	650000	650332	Max. Tune-up
		Frequence (MHz)		3745.02	3750	3754.98	
90M	CP-OFDM QPSK	1	123	19.14	19.07	19.13	20
BW	MCS Index	Channel		649334	650000	650666	Max. Tune-up
		Frequence (MHz)		3740.01	3750	3759.99	
80M	CP-OFDM QPSK	1	109	19.12	18.99	19.11	20
BW	MCS Index	Channel		648668	650000	651332	Max. Tune-up
		Frequence (MHz)		3730.02	3750	3769.98	
60M	CP-OFDM QPSK	1	81	19.08	19.05	19.07	20
BW	MCS Index	Channel		648334	650000	651666	Max. Tune-up
		Frequence (MHz)		3725.01	3750	3774.99	
50M	CP-OFDM QPSK	1	67	19.10	19.02	19.05	20
BW	MCS Index	Channel		648000	650000	652000	Max. Tune-up
		Frequence (MHz)		3720	3750	3780	
40M	CP-OFDM QPSK	1	53	19.02	19.03	19.06	20
BW	MCS Index	Channel		647670	650000	652666	Max. Tune-up
		Frequence (MHz)		3715.05	3750	3784.98	
30M	CP-OFDM QPSK	1	39	19.02	18.95	19.01	20
BW	MCS Index	Channel		647334	650000	652666	Max. Tune-up
		Frequence (MHz)		3710.01	3750	3789.99	
20M	CP-OFDM QPSK	1	26	19.09	19.02	19.08	20
BW	MCS Index	Channel		647166	650000	652832	Max. Tune-up
		Frequence (MHz)		3707.49	3750	3792.48	
15M	CP-OFDM QPSK	1	19	19.07	19.00	19.06	20
BW	MCS Index	Channel		647000	650000	652998	Max. Tune-up
		Frequence (MHz)		3705	3750	3794.97	
10M	CP-OFDM QPSK	1	12	19.20	19.13	19.19	20

sensor on

n78(Part27O) (SCS 30 kHz) PC3

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			650000		
		Frequence (MHz)			3750		
100M	DFT-s-OFDM Pi/2 BPSK	1	1		19.75		21
		1	137		19.82		21
		1	271		19.19		21
		135	0		19.89		21
		135	69		19.91		21
		135	138		19.49		21
		270	0		19.86		21
	DFT-s-OFDM QPSK	1	1		19.41		21
		1	137		20.05		21
		1	271		19.21		21
		135	0		19.33		21
		135	69		20.11		21
		135	138		19.52		21
		270	0		19.79		21
	DFT-s-OFDM 16QAM	1	137		19.02		21
	DFT-s-OFDM 64QAM	1	137		19.51		21
	DFT-s-OFDM 256QAM	1	137		19.56		21
BW	MCS Index	Channel		649668	650000	650332	Max. Tune-up
		Frequence (MHz)		3745.02	3750	3754.98	
90M	DFT-s-OFDM QPSK	1	123	19.97	19.82	19.96	21
BW	MCS Index	Channel		649334	650000	650666	Max. Tune-up
		Frequence (MHz)		3740.01	3750	3759.99	
80M	DFT-s-OFDM QPSK	1	109	20.03	19.96	20.02	21
BW	MCS Index	Channel		648668	650000	651332	Max. Tune-up
		Frequence (MHz)		3730.02	3750	3769.98	
60M	DFT-s-OFDM QPSK	1	81	19.93	19.99	19.87	21
BW	MCS Index	Channel		648334	650000	651666	Max. Tune-up
		Frequence (MHz)		3725.01	3750	3774.99	
50M	DFT-s-OFDM QPSK	1	67	19.99	19.98	20.01	21
BW	MCS Index	Channel		648000	650000	652000	Max. Tune-up
		Frequence (MHz)		3720	3750	3780	
40M	DFT-s-OFDM QPSK	1	53	19.97	20.03	19.99	21
BW	MCS Index	Channel		647670	650000	652332	Max. Tune-up
		Frequence (MHz)		3715.05	3750	3784.98	
30M	DFT-s-OFDM QPSK	1	39	19.91	19.89	19.98	21
BW	MCS Index	Channel		647334	650000	652666	Max. Tune-up
		Frequence (MHz)		3710.01	3750	3789.99	
20M	DFT-s-OFDM QPSK	1	26	19.93	19.79	19.87	21
BW	MCS Index	Channel		647166	650000	652832	Max. Tune-up
		Frequence (MHz)		3707.49	3750	3792.48	
15M	DFT-s-OFDM QPSK	1	19	19.89	19.97	19.95	21
BW	MCS Index	Channel		647000	650000	652998	Max. Tune-up
		Frequence (MHz)		3705	3750	3794.97	
10M	DFT-s-OFDM QPSK	1	12	19.84	19.93	19.89	21

sensor on

n77(Part27Q) (SCS 30 kHz) PC2

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequence (MHz)			3500.01		
100M	CP-OFDM QPSK	1	137		22.30		23
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequence (MHz)		3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	123	22.19	22.13	22.18	23
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequence (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	109	22.25	22.23	22.25	23
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequence (MHz)		3485.01	3500.01	3514.98	
70M	CP-OFDM QPSK	1	95	22.28	22.22	22.27	23
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequence (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	81	22.26	22.28	22.24	23
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequence (MHz)		3475.02	3500.01	3524.97	
50M	CP-OFDM QPSK	1	67	22.10	22.15	22.02	23
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequence (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	53	22.24	22.25	22.26	23
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequence (MHz)		3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	39	22.15	22.11	22.04	23
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequence (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	26	22.20	22.05	22.08	23
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequence (MHz)		3457.5	3500.01	3542.49	
15M	CP-OFDM QPSK	1	19	22.08	22.10	22.22	23
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequence (MHz)		3455.01	3500.01	3544.98	
10M	CP-OFDM QPSK	1	12	22.04	22.05	22.22	23

sensor on

n77(Part27Q) (SCS 30 kHz) PC2

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequence (MHz)			3500.01		
100M	DFT-s-OFDM Pi/2 BPSK	1	1		22.58		24
		1	137		23.23		24
		1	271		22.43		24
		135	0		23.18		24
		135	69		23.25		24
		135	138		22.74		24
		270	0		23.02		24
	DFT-s-OFDM QPSK	1	1		22.61		24
		1	137		23.31		24
		1	271		22.19		24
		135	0		23.22		24
		135	69		23.29		24
		135	138		22.79		24
		270	0		23.03		24
	DFT-s-OFDM 16QAM	1	137		22.71		24
	DFT-s-OFDM 64QAM	1	137		22.33		24
	DFT-s-OFDM 256QAM	1	137		21.58		23
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequence (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	123	23.29	23.23	23.29	24
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequence (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	109	23.23	23.29	23.26	24
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequence (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	95	23.25	23.24	23.21	24
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequence (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	81	23.27	23.26	23.23	24
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequence (MHz)		3475.02	3500.01	3524.97	
50M	DFT-s-OFDM QPSK	1	67	23.23	23.25	23.24	24
BW	MCS Index	Channel		631334	633334	635332	22.5
		Frequence (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	53	23.19	23.16	23.15	24
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequence (MHz)		3465.03	3500.01	3534.96	
30M	DFT-s-OFDM QPSK	1	39	23.07	23.28	23.25	24
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequence (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	26	23.13	23.25	23.13	24
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequence (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	19	23.10	23.16	23.26	24
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequence (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	12	22.99	23.27	23.11	24

sensor on

n77(Part27O) (SCS 30 kHz) PC2

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequence (MHz)		3750	3840	3930	
100M	CP-OFDM QPSK	1	137	21.78	21.99	21.74	22.5
BW	MCS Index	Channel		649668	656000	662328	Max. Tune-up
		Frequence (MHz)		3745.02	3840	3934.92	
90M	CP-OFDM QPSK	1	123	21.76	21.92	21.69	22.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequence (MHz)		3740.01	3840	3939.99	
80M	CP-OFDM QPSK	1	109	21.70	21.95	21.70	22.5
BW	MCS Index	Channel		649002	656000	663000	Max. Tune-up
		Frequence (MHz)		3735.03	3840	3944.99	
70M	CP-OFDM QPSK	1	95	21.72	21.91	21.72	22.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequence (MHz)		3730.02	3840	3949.98	
60M	CP-OFDM QPSK	1	81	21.74	21.94	21.68	22.5
BW	MCS Index	Channel		648336	656000	663666	Max. Tune-up
		Frequence (MHz)		3725.04	3840	3954.99	
50M	CP-OFDM QPSK	1	67	21.71	21.90	21.65	22.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequence (MHz)		3720	3840	3960	
40M	CP-OFDM QPSK	1	53	21.66	21.95	21.64	22.5
BW	MCS Index	Channel		647670	656000	664332	Max. Tune-up
		Frequence (MHz)		3715.05	3840	3964.98	
30M	CP-OFDM QPSK	1	39	21.62	21.96	21.62	22.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequence (MHz)		3710.01	3840	3969.99	
20M	CP-OFDM QPSK	1	26	21.68	21.85	21.64	22.5
BW	MCS Index	Channel		647166	656000	664832	Max. Tune-up
		Frequence (MHz)		3707.49	3840	3972.48	
15M	CP-OFDM QPSK	1	19	21.70	21.89	21.58	22.5
BW	MCS Index	Channel		647000	656000	664998	Max. Tune-up
		Frequence (MHz)		3705	3840	3974.97	
10M	CP-OFDM QPSK	1	12	21.64	21.86	21.66	22.5

sensor on

n77(Part27O) (SCS 30 kHz) PC2

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequence (MHz)		3750	3840	3930	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	21.87	22.36	21.92	23.5
		1	137	22.52	22.55	22.45	23.5
		1	271	22.08	21.79	21.83	23.5
		135	0	22.17	22.63	22.55	23.5
		135	69	22.52	22.65	22.48	23.5
		135	138	22.65	22.26	22.12	23.5
		270	0	22.43	22.57	22.33	23.5
	DFT-s-OFDM QPSK	1	1	21.96	22.45	21.87	23.5
		1	137	22.55	22.76	22.51	23.5
		1	271	22.21	21.82	21.74	23.5
		135	0	22.20	22.77	22.52	23.5
		135	69	22.54	22.63	22.57	23.5
		135	138	22.70	22.29	22.15	23.5
		270	0	22.48	22.61	22.38	23.5
	DFT-s-OFDM 16QAM	1	137	22.19	22.42	22.02	23.5
	DFT-s-OFDM 64QAM	1	137	21.86	21.94	21.75	23.5
	DFT-s-OFDM 256QAM	1	137	20.27	20.46	20.18	21.5
BW	MCS Index	Channel		649668	656000	662328	Max. Tune-up
		Frequence (MHz)		3745.02	3840	3934.92	
90M	DFT-s-OFDM QPSK	1	123	22.50	22.69	22.46	23.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequence (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	109	22.47	22.70	22.43	23.5
BW	MCS Index	Channel		649002	656000	663000	Max. Tune-up
		Frequence (MHz)		3735.03	3840	3944.99	
70M	DFT-s-OFDM QPSK	1	95	22.43	22.72	22.41	23.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequence (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	81	22.39	22.74	22.47	23.5
BW	MCS Index	Channel		648336	656000	663666	Max. Tune-up
		Frequence (MHz)		3725.04	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	67	22.41	22.62	22.42	23.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequence (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	53	22.53	22.68	22.49	23.5
BW	MCS Index	Channel		647670	656000	664332	Max. Tune-up
		Frequence (MHz)		3715.05	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	39	22.49	22.69	22.46	23.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequence (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	26	22.37	22.58	22.36	23.5
BW	MCS Index	Channel		647166	656000	664832	Max. Tune-up
		Frequence (MHz)		3707.49	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	19	22.33	22.56	22.32	23.5
BW	MCS Index	Channel		647000	656000	664998	Max. Tune-up
		Frequence (MHz)		3705	3840	3974.97	
10M	DFT-s-OFDM QPSK	1	12	22.34	22.61	22.45	23.5

sensor on

n78(Part27Q) (SCS 30 kHz) PC2

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequence (MHz)			3500.01		
100M	CP-OFDM QPSK	1	137		22.33		23
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequence (MHz)		3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	123	22.28	22.26	22.23	23
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequence (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	109	22.19	22.23	22.28	23
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequence (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	81	22.22	22.29	22.21	23
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequence (MHz)		3475.02	3500.01	3524.97	
50M	CP-OFDM QPSK	1	67	22.29	22.17	22.29	23
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequence (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	53	22.21	22.29	22.27	23
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequence (MHz)		3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	39	22.17	22.21	22.17	23
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequence (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	26	22.12	22.18	22.27	23
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequence (MHz)		3457.5	3500.01	3542.49	
15M	CP-OFDM QPSK	1	19	22.15	22.27	22.24	23
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequence (MHz)		3455.01	3500.01	3544.98	
10M	CP-OFDM QPSK	1	12	22.24	22.16	22.25	23

sensor on

n78(Part27Q) (SCS 30 kHz) PC2

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequence (MHz)			3500.01		
100M	DFT-s-OFDM Pi/2 BPSK	1	1		22.76		24
		1	137		23.08		24
		1	271		22.12		24
		135	0		23.27		24
		135	69		23.13		24
		135	138		22.73		24
		270	0		23.05		24
	DFT-s-OFDM QPSK	1	1		22.82		24
		1	137		23.37		24
		1	271		22.25		24
		135	0		23.26		24
		135	69		23.29		24
		135	138		22.76		24
		270	0		23.08		24
	DFT-s-OFDM 16QAM	1	137		22.92		24
	DFT-s-OFDM 64QAM	1	137		22.55		24
	DFT-s-OFDM 256QAM	1	137		20.97		22
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequence (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	123	23.32	23.15	22.59	24
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequence (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	109	23.27	23.26	22.54	24
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequence (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	81	23.24	23.31	22.52	24
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequence (MHz)		3475.02	3500.01	3524.97	
50M	DFT-s-OFDM QPSK	1	67	23.25	23.18	22.42	24
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequence (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	53	23.19	23.25	22.51	24
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequence (MHz)		3465.03	3500.01	3534.96	
30M	DFT-s-OFDM QPSK	1	39	23.22	23.19	22.53	24
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequence (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	26	23.23	23.10	22.50	24
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequence (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	19	23.21	23.13	22.44	24
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequence (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	12	23.17	23.16	22.46	24

sensor on

n78(Part27O) (SCS 30 kHz) PC2

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			650000		
		Frequence (MHz)			3750		
100	CP-OFDM QPSK	1	137		21.73		22.5
BW	MCS Index	Channel		649668	650000	650332	Max. Tune-up
		Frequence (MHz)		3745.02	3750	3754.98	
90M	CP-OFDM QPSK	1	123	21.72	21.71	21.65	22.5
BW	MCS Index	Channel		649334	650000	650666	Max. Tune-up
		Frequence (MHz)		3740.01	3750	3759.99	
80M	CP-OFDM QPSK	1	109	21.70	21.67	21.69	22.5
BW	MCS Index	Channel		648668	650000	651332	Max. Tune-up
		Frequence (MHz)		3730.02	3750	3769.98	
60M	CP-OFDM QPSK	1	81	21.65	21.69	21.68	22.5
BW	MCS Index	Channel		648334	650000	651666	Max. Tune-up
		Frequence (MHz)		3725.01	3750	3774.99	
50M	CP-OFDM QPSK	1	67	21.67	21.65	21.71	22.5
BW	MCS Index	Channel		648000	650000	652000	Max. Tune-up
		Frequence (MHz)		3720	3750	3780	
40M	CP-OFDM QPSK	1	53	21.68	21.65	21.67	22.5
BW	MCS Index	Channel		647670	650000	652666	Max. Tune-up
		Frequence (MHz)		3715.05	3750	3784.98	
30M	CP-OFDM QPSK	1	39	21.70	21.67	21.70	22.5
BW	MCS Index	Channel		647334	650000	652666	Max. Tune-up
		Frequence (MHz)		3710.01	3750	3789.99	
20M	CP-OFDM QPSK	1	26	21.69	21.68	21.66	22.5
BW	MCS Index	Channel		647166	650000	652832	Max. Tune-up
		Frequence (MHz)		3707.49	3750	3792.48	
15M	CP-OFDM QPSK	1	19	21.66	21.62	21.64	22.5
BW	MCS Index	Channel		647000	650000	652998	Max. Tune-up
		Frequence (MHz)		3705	3750	3794.97	
10M	CP-OFDM QPSK	1	12	21.61	21.64	21.65	22.5

sensor on

n78(Part27O) (SCS 30 kHz) PC2

BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			650000		
		Frequence (MHz)			3750		
100M	DFT-s-OFDM Pi/2 BPSK	1	1		22.19		23.5
		1	137		22.24		23.5
		1	271		21.76		23.5
		135	0		22.53		23.5
		135	69		22.41		23.5
		135	138		22.08		23.5
		270	0		22.35		23.5
	DFT-s-OFDM QPSK	1	1		22.15		23.5
		1	137		22.54		23.5
		1	271		22.26		23.5
		135	0		22.46		23.5
		135	69		22.53		23.5
		135	138		22.07		23.5
		270	0		22.32		23.5
	DFT-s-OFDM 16QAM	1	137		22.47		23.5
	DFT-s-OFDM 64QAM	1	137		22.36		23.5
	DFT-s-OFDM 256QAM	1	137		20.12		21.5
BW	MCS Index	Channel		649668	650000	650332	Max. Tune-up
		Frequence (MHz)		3745.02	3750	3754.98	
90M	DFT-s-OFDM QPSK	1	123	22.50	22.52	22.49	23.5
BW	MCS Index	Channel		649334	650000	650666	Max. Tune-up
		Frequence (MHz)		3740.01	3750	3759.99	
80M	DFT-s-OFDM QPSK	1	109	22.48	22.44	22.47	23.5
BW	MCS Index	Channel		648668	650000	651332	Max. Tune-up
		Frequence (MHz)		3730.02	3750	3769.98	
60M	DFT-s-OFDM QPSK	1	81	22.42	22.42	22.39	23.5
BW	MCS Index	Channel		648334	650000	651666	Max. Tune-up
		Frequence (MHz)		3725.01	3750	3774.99	
50M	DFT-s-OFDM QPSK	1	67	22.46	22.36	22.45	23.5
BW	MCS Index	Channel		648000	650000	652000	Max. Tune-up
		Frequence (MHz)		3720	3750	3780	
40M	DFT-s-OFDM QPSK	1	53	22.38	22.48	22.37	23.5
BW	MCS Index	Channel		647670	650000	652332	Max. Tune-up
		Frequence (MHz)		3715.05	3750	3784.98	
30M	DFT-s-OFDM QPSK	1	39	22.43	22.41	22.42	23.5
BW	MCS Index	Channel		647334	650000	652666	Max. Tune-up
		Frequence (MHz)		3710.01	3750	3789.99	
20M	DFT-s-OFDM QPSK	1	26	22.39	22.44	22.41	23.5
BW	MCS Index	Channel		647166	650000	652832	Max. Tune-up
		Frequence (MHz)		3707.49	3750	3792.48	
15M	DFT-s-OFDM QPSK	1	19	22.41	22.39	22.35	23.5
BW	MCS Index	Channel		647000	650000	652998	Max. Tune-up
		Frequence (MHz)		3705	3750	3794.97	
10M	DFT-s-OFDM QPSK	1	12	22.40	22.36	22.47	23.5

NR Hotspot Power

n2 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequence (MHz)		1860	1880	1900	
20M	CP-OFDM QPSK	1	1	18.51	18.52	18.30	19.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequence (MHz)		1857.5	1880	1902.5	
15M	CP-OFDM QPSK	1	1	18.44	18.52	18.33	19.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequence (MHz)		1855	1880	1905	
10M	CP-OFDM QPSK	1	1	18.47	18.49	18.33	19.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequence (MHz)		1852.5	1880	1907.5	
5M	CP-OFDM QPSK	1	1	18.46	18.54	18.32	19.5

n2 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequence (MHz)		1860	1880	1900	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	19.45	19.42	19.39	20.5
		1	53	19.44	19.56	19.48	20.5
		1	104	19.56	19.39	19.35	20.5
		50	0	19.45	19.50	19.53	20.5
		50	28	19.58	19.58	19.49	20.5
		50	56	19.47	19.56	19.42	20.5
		100	0	19.50	19.55	19.53	20.5
	DFT-s-OFDM QPSK	1	1	19.38	19.47	19.31	20.5
		1	53	19.57	19.69	19.46	20.5
		1	104	19.41	19.59	19.33	20.5
		50	0	19.45	19.53	19.51	20.5
		50	28	19.53	19.60	19.49	20.5
		50	56	19.45	19.57	19.43	20.5
		100	0	19.46	19.54	19.53	20.5
	DFT-s-OFDM 16QAM	1	1	19.15	19.16	1.19	20.5
	DFT-s-OFDM 64QAM	1	1	19.22	19.25	19.12	20.5
	DFT-s-OFDM 256QAM	1	1	19.64	19.66	19.58	20.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequence (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	19.36	19.39	19.15	20.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequence (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	19.29	19.39	19.18	20.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequence (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	19.32	19.36	19.18	20.5

n7 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		502000	507000	512000	
		Frequence (MHz)		2510	2535	2560	
20M	CP-OFDM QPSK	1	1	21.08	21.39	21.54	22.5
BW	MCS Index	Channel		501500	507000	512500	Max. Tune-up
		Frequence (MHz)		2507.5	2535	2562.5	
15M	CP-OFDM QPSK	1	1	21.08	21.39	21.54	22.5
BW	MCS Index	Channel		501000	507000	513000	Max. Tune-up
		Frequence (MHz)		2505	2535	2565	
10M	CP-OFDM QPSK	1	1	21.04	21.36	21.57	22.5
BW	MCS Index	Channel		500500	507000	513500	Max. Tune-up
		Frequence (MHz)		2502.5	2535	2567.5	
5M	CP-OFDM QPSK	1	1	21.03	21.41	21.56	22.5

n7 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		502000	507000	512000	
		Frequence (MHz)		2510	2535	2560	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	21.96	22.28	22.43	23.5
		1	53	22.15	22.51	22.48	23.5
		1	104	22.04	22.57	22.61	23.5
		50	0	21.92	22.26	22.59	23.5
		50	28	22.09	22.45	22.46	23.5
		50	56	22.01	22.46	22.27	23.5
		100	0	21.93	22.36	22.65	23.5
	DFT-s-OFDM QPSK	1	1	22.13	22.74	22.41	23.5
		1	53	22.10	22.35	22.72	23.5
		1	104	21.94	22.41	22.64	23.5
		50	0	21.89	22.22	22.24	23.5
		50	28	22.08	22.56	22.48	23.5
		50	56	21.92	22.31	22.52	23.5
		100	0	21.99	22.71	22.59	23.5
	DFT-s-OFDM 16QAM	1	1	21.77	21.87	21.75	22.5
	DFT-s-OFDM 64QAM	1	1	21.26	21.54	21.56	22.0
	DFT-s-OFDM 256QAM	1	1	20.21	20.86	20.27	21.0
BW	MCS Index	Channel		501500	507000	512500	Max. Tune-up
		Frequence (MHz)		2507.5	2535	2562.5	
15M	DFT-s-OFDM QPSK	1	1	21.90	22.23	22.36	23.5
BW	MCS Index	Channel		501000	507000	513000	Max. Tune-up
		Frequence (MHz)		2505	2535	2565	
10M	DFT-s-OFDM QPSK	1	1	21.86	22.20	22.39	23.5
BW	MCS Index	Channel		500500	507000	513500	Max. Tune-up
		Frequence (MHz)		2502.5	2535	2567.5	
5M	DFT-s-OFDM QPSK	1	1	21.83	22.23	22.39	23.5

n25 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376500	381000	
		Frequence (MHz)		1860	1882.5	1905	
20M	CP-OFDM QPSK	1	1	18.24	18.22	18.03	19.5
BW	MCS Index	Channel		371500	376500	381500	Max. Tune-up
		Frequence (MHz)		1857.5	1882.5	1907.5	
15M	CP-OFDM QPSK	1	1	18.17	18.22	18.06	19.5
BW	MCS Index	Channel		371000	376500	382000	Max. Tune-up
		Frequence (MHz)		1855	1882.5	1910	
10M	CP-OFDM QPSK	1	1	18.20	18.19	18.06	19.5
BW	MCS Index	Channel		370500	376500	382500	Max. Tune-up
		Frequence (MHz)		1852.5	1882.5	1912.5	
5M	CP-OFDM QPSK	1	1	18.19	18.24	18.05	19.5

n25 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376500	381000	
		Frequence (MHz)		1860	1882.5	1905	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	19.46	19.50	19.33	20.5
		1	53	19.66	19.61	19.48	20.5
		1	104	19.56	19.46	19.44	20.5
		50	0	19.50	19.52	19.58	20.5
		50	28	19.63	19.67	19.55	20.5
		50	56	19.48	19.60	19.41	20.5
		100	0	18.95	19.58	19.54	20.5
	DFT-s-OFDM QPSK	1	1	19.58	19.79	19.34	20.5
		1	53	19.59	19.62	19.45	20.5
		1	104	19.51	19.42	19.36	20.5
		50	0	19.42	19.55	19.55	20.5
		50	28	19.53	19.67	19.56	20.5
		50	56	19.46	19.62	19.42	20.5
		100	0	19.50	19.59	19.51	20.5
	DFT-s-OFDM 16QAM	1	1	19.24	19.23	19.05	20.5
	DFT-s-OFDM 64QAM	1	1	19.26	19.33	19.07	20.5
	DFT-s-OFDM 256QAM	1	1	19.77	19.52	19.54	20.5
BW	MCS Index	Channel		371500	376500	381500	Max. Tune-up
		Frequence (MHz)		1857.5	1882.5	1907.5	
15M	DFT-s-OFDM QPSK	1	1	19.15	19.15	18.92	20.5
BW	MCS Index	Channel		371000	376500	382000	Max. Tune-up
		Frequence (MHz)		1855	1882.5	1910	
10M	DFT-s-OFDM QPSK	1	1	19.08	19.15	18.95	20.5
BW	MCS Index	Channel		370500	376500	382500	Max. Tune-up
		Frequence (MHz)		1852.5	1882.5	1912.5	
5M	DFT-s-OFDM QPSK	1	1	19.11	19.12	18.97	20.5

n38 (SCS 30 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		516000	519000	522000	
		Frequence (MHz)		2580	2595	2610	
20M	CP-OFDM QPSK	1	1	20.15	20.25	20.26	21
BW	MCS Index	Channel		515500	519000	522500	Max. Tune-up
		Frequence (MHz)		2577.5	2595	2612.5	
15M	CP-OFDM QPSK	1	1	20.12	20.28	20.26	21
BW	MCS Index	Channel		515000	519000	523000	Max. Tune-up
		Frequence (MHz)		2575	2595	2615	
10M	CP-OFDM QPSK	1	1	20.14	20.30	20.25	21

n38 (SCS 30 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		516000	519000	522000	
		Frequence (MHz)		2580	2595	2610	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	21.12	21.22	21.31	22
		1	26	21.43	21.45	21.41	22
		1	49	21.27	21.36	21.36	22
		25	0	21.39	21.44	21.48	22
		25	13	21.45	21.54	21.43	22
		25	26	21.40	21.46	21.45	22
		50	0	21.39	21.49	21.50	22
	DFT-s-OFDM QPSK	1	1	21.11	21.55	21.26	22
		1	26	21.32	21.34	21.45	22
		1	49	21.18	21.29	21.26	22
		25	0	21.38	21.47	21.48	22
		25	13	21.43	21.54	21.53	22
		25	26	21.36	21.42	21.48	22
		50	0	21.41	21.47	21.45	22
	DFT-s-OFDM 16QAM	1	1	20.89	21.01	21.00	22
	DFT-s-OFDM 64QAM	1	1	21.06	21.09	21.12	22
	DFT-s-OFDM 256QAM	1	1	20.05	20.03	20.15	21
BW	MCS Index	Channel		515500	519000	522500	Max. Tune-up
		Frequence (MHz)		2577.5	2595	2612.5	
15M	DFT-s-OFDM QPSK	1	1	20.81	20.97	20.95	22
BW	MCS Index	Channel		515000	519000	523000	Max. Tune-up
		Frequence (MHz)		2575	2595	2615	
10M	DFT-s-OFDM QPSK	1	1	20.88	20.97	20.92	22

n41 (SCS 30 kHz) PC3							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequence (MHz)		2546.01	2592.99	2640	
100	CP-OFDM QPSK	1	137	18.15	17.96	18.02	19
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequence (MHz)		2541	2592.99	2644.98	
90M	CP-OFDM QPSK	1	123	18.13	17.95	17.98	19
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequence (MHz)		2536.02	2592.99	2649.99	
80M	CP-OFDM QPSK	1	109	18.14	17.92	17.94	19
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequence (MHz)		2531.01	2592.99	2655	
70M	CP-OFDM QPSK	1	95	18.12	18.02	17.97	19
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequence (MHz)		2526	2592.99	2659.98	
60M	CP-OFDM QPSK	1	81	18.13	17.88	18.01	19
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequence (MHz)		2521.02	2592.99	2664.99	
50M	CP-OFDM QPSK	1	67	18.10	17.89	17.97	19
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequence (MHz)		2516.01	2592.99	2670	
40M	CP-OFDM QPSK	1	53	18.06	17.86	17.91	19
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequence (MHz)		2506.02	2592.99	2679.99	
20M	CP-OFDM QPSK	1	26	18.08	17.88	17.93	19
BW	MCS Index	Channel		500700	518598	536496	Max. Tune-up
		Frequence (MHz)		2503.5	2592.99	2682.48	
15M	CP-OFDM QPSK	1	19	18.02	17.85	17.92	19
BW	MCS Index	Channel		500202	518598	537000	Max. Tune-up
		Frequence (MHz)		2501.01	2592.99	2685	
10M	CP-OFDM QPSK	1	12	18.08	17.81	17.95	19

n41 (SCS 30 kHz) PC3							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequence (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	18.34	18.16	18.13	20
		1	137	19.02	18.73	18.86	20
		1	271	18.36	18.36	18.35	20
		135	0	18.83	18.39	18.83	20
		135	69	19.14	18.77	19.00	20
		135	138	19.07	18.73	18.68	20
		270	0	18.95	18.61	18.78	20
	DFT-s-OFDM QPSK	1	1	18.36	18.18	18.13	20
		1	137	19.35	18.67	18.88	20
		1	271	18.43	18.46	18.38	20
		135	0	18.85	18.45	18.93	20
		135	69	19.11	18.81	18.97	20
		135	138	19.07	18.78	18.75	20
		270	0	19.03	18.66	18.86	20
	DFT-s-OFDM 16QAM	1	137	18.71	18.58	18.73	20
	DFT-s-OFDM 64QAM	1	137	18.77	18.59	18.58	20
	DFT-s-OFDM 256QAM	1	137	19.28	19.12	19.14	20
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequence (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	123	19.17	18.90	18.82	20
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequence (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	109	19.19	18.92	18.84	20
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequence (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	95	19.13	18.86	18.86	20
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequence (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	81	19.18	18.87	18.86	20
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequence (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	67	19.20	18.91	18.83	20
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequence (MHz)		2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	1	53	19.15	18.85	18.86	20
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequence (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	26	19.13	18.89	18.83	20
BW	MCS Index	Channel		500700	518598	536496	Max. Tune-up
		Frequence (MHz)		2503.5	2592.99	2682.48	
15M	DFT-s-OFDM QPSK	1	19	19.17	18.88	18.83	20
BW	MCS Index	Channel		500202	518598	537000	Max. Tune-up
		Frequence (MHz)		2501.01	2592.99	2685	
10M	DFT-s-OFDM QPSK	1	12	19.13	18.91	18.82	20

n41 (SCS 30 kHz) PC2							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequence (MHz)		2546.01	2592.99	2640	
100	CP-OFDM QPSK	1	137	19.75	20.07	19.73	20.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequence (MHz)		2541	2592.99	2644.98	
90M	CP-OFDM QPSK	1	123	19.53	19.84	19.47	20.5
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequence (MHz)		2536.02	2592.99	2649.99	
80M	CP-OFDM QPSK	1	109	19.51	19.87	19.50	20.5
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequence (MHz)		2531.01	2592.99	2655	
70M	CP-OFDM QPSK	1	95	19.55	19.81	19.53	20.50
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequence (MHz)		2526	2592.99	2659.98	
60M	CP-OFDM QPSK	1	81	19.49	19.88	19.53	20.5
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequence (MHz)		2521.02	2592.99	2664.99	
50M	CP-OFDM QPSK	1	67	19.45	19.76	19.42	20.5
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequence (MHz)		2516.01	2592.99	2670	
40M	CP-OFDM QPSK	1	53	19.42	19.74	19.40	20.5
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequence (MHz)		2506.02	2592.99	2679.99	
20M	CP-OFDM QPSK	1	26	19.36	19.68	19.34	20.5
BW	MCS Index	Channel		500700	518598	536496	Max. Tune-up
		Frequence (MHz)		2503.5	2592.99	2682.48	
15M	CP-OFDM QPSK	1	19	19.40	19.72	19.38	20.5
BW	MCS Index	Channel		500202	518598	537000	Max. Tune-up
		Frequence (MHz)		2501.01	2592.99	2685	
10M	CP-OFDM QPSK	1	12	19.65	19.97	19.63	20.5

n41 (SCS 30 kHz) PC2							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequence (MHz)		2546.01	2592.99	2640	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	20.10	20.25	20.50	21.5
		1	137	20.52	20.67	20.55	21.5
		1	271	20.22	20.14	19.97	21.5
		135	0	20.12	20.52	20.62	21.5
		135	69	20.44	20.80	20.73	21.5
		135	138	20.47	20.73	20.48	21.5
		270	0	20.27	20.66	20.49	21.5
	DFT-s-OFDM QPSK	1	1	19.73	19.97	19.78	21.5
		1	137	20.57	20.89	20.55	21.5
		1	271	20.12	20.16	20.10	21.5
		135	0	20.14	20.56	20.60	21.5
		135	69	20.46	20.82	20.74	21.5
		135	138	20.50	20.73	20.45	21.5
		270	0	20.37	20.69	20.58	21.5
	DFT-s-OFDM 16QAM	1	137	20.33	20.58	20.22	21.5
	DFT-s-OFDM 64QAM	1	137	20.63	20.54	20.18	21.5
	DFT-s-OFDM 256QAM	1	137	20.73	20.82	20.84	21.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequence (MHz)		2541	2592.99	2644.98	
90M	DFT-s-OFDM QPSK	1	123	20.44	20.74	20.58	21.5
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequence (MHz)		2536.02	2592.99	2649.99	
80M	DFT-s-OFDM QPSK	1	109	20.42	20.80	20.66	21.5
BW	MCS Index	Channel		506202	518598	531000	Max. Tune-up
		Frequence (MHz)		2531.01	2592.99	2655	
70M	DFT-s-OFDM QPSK	1	95	20.37	20.74	20.61	21.5
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequence (MHz)		2526	2592.99	2659.98	
60M	DFT-s-OFDM QPSK	1	81	20.43	20.69	20.65	21.5
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequence (MHz)		2521.02	2592.99	2664.99	
50M	DFT-s-OFDM QPSK	1	67	20.36	20.70	20.68	21.5
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequence (MHz)		2516.01	2592.99	2670	
40M	DFT-s-OFDM QPSK	1	53	20.42	20.66	20.72	21.5
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequence (MHz)		2506.02	2592.99	2679.99	
20M	DFT-s-OFDM QPSK	1	26	20.27	20.67	20.70	21.5
BW	MCS Index	Channel		500700	518598	536496	Max. Tune-up
		Frequence (MHz)		2503.5	2592.99	2682.48	
15M	DFT-s-OFDM QPSK	1	19	20.40	20.67	20.61	21.5
BW	MCS Index	Channel		500202	518598	537000	Max. Tune-up
		Frequence (MHz)		2501.01	2592.99	2685	
10M	DFT-s-OFDM QPSK	1	12	20.51	20.79	20.43	21.5

n48(SCS 30 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequence (MHz)		3570	3624.99	3679.98	
40M	CP-OFDM QPSK	1	53	18.39	19.47	19.43	20
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequence (MHz)		3560.01	3624.99	3690	
20M	CP-OFDM QPSK	1	26	18.47	19.52	19.54	20
BW	MCS Index	Channel		637168	641666	646166	Max. Tune-up
		Frequence (MHz)		3557.52	3624.99	3692.49	
15M	CP-OFDM QPSK	1	19	18.41	19.49	19.47	20
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequence (MHz)		3555	3624.99	3694.98	
10M	CP-OFDM QPSK	1	12	18.46	19.51	19.48	20

n48 (SCS 30 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequence (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM PI/2 BPSK	1	1	18.18	18.42	18.97	20
		1	53	18.51	19.43	19.51	20
		1	104	18.33	19.26	19.04	20
		50	0	18.19	18.97	18.91	20
		50	28	18.41	19.19	19.37	20
		50	56	18.39	19.36	19.33	20
		100	0	18.47	19.04	19.21	20
	DFT-s-OFDM QPSK	1	1	18.35	18.41	19.01	20
		1	53	18.40	19.57	19.52	20
		1	104	18.26	19.21	18.96	20
		50	0	18.21	18.95	19.44	20
		50	28	18.37	19.48	19.45	20
		50	56	18.32	19.33	19.35	20
		100	0	18.31	19.26	19.12	20
	DFT-s-OFDM 16QAM	1	53	18.10	19.03	19.24	20
	DFT-s-OFDM 64QAM	1	53	18.24	19.15	19.23	20
	DFT-s-OFDM 256QAM	1	53	18.17	18.44	18.52	20
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequence (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	26	18.40	19.45	19.44	20
BW	MCS Index	Channel		637168	641666	646166	Max. Tune-up
		Frequence (MHz)		3557.52	3624.99	3692.49	
15M	DFT-s-OFDM QPSK	1	19	18.38	19.43	19.46	20
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequence (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	12	18.41	19.39	19.43	20

n66 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequence (MHz)		1730	1745	1760	
40M	CP-OFDM QPSK	1	108	19.05	18.98	19.01	20
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequence (MHz)		1725	1745	1765	
30M	CP-OFDM QPSK	1	80	19.06	19.11	19.00	20
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequence (MHz)		1720	1745	1770	
20M	CP-OFDM QPSK	1	53	19.21	19.23	19.14	20
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequence (MHz)		1717.5	1745	1772.5	
15M	CP-OFDM QPSK	1	39	19.20	19.18	19.13	20
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequence (MHz)		1715	1745	1775	
10M	CP-OFDM QPSK	1	26	19.11	19.09	19.07	20
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequence (MHz)		1712.5	1745	1777.5	
5M	CP-OFDM QPSK	1	13	19.23	19.13	19.19	20

n66 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequence (MHz)		1730	1745	1760	
40M	DFT-s-OFDM PI/2 BPSK	1	1	18.73	18.71	18.72	20
		1	108	19.17	19.06	19..01	20
		1	214	18.60	18.58	18.73	20
		108	0	19.07	19.11	18.99	20
		108	54	19.09	19.17	19.13	20
		108	108	19.03	19.01	19.02	20
		216	0	19.02	18.98	18.98	20
	DFT-s-OFDM QPSK	1	1	18.77	18.70	18.67	20
		1	108	19.29	19.25	19.03	20
		1	214	18.74	18.63	18.76	20
		108	0	19.10	19.08	19.02	20
		108	54	19.27	19.23	19.21	20
		108	108	19.05	18.97	19.03	20
		216	0	19.07	19.01	19.05	20
	DFT-s-OFDM 16QAM	1	108	18.98	19.01	18.82	20
	DFT-s-OFDM 64QAM	1	108	19.19	19.14	19.17	20
	DFT-s-OFDM 256QAM	1	108	19.24	19.23	19.21	20
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequence (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	80	18.96	19.21	18.93	20
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequence (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	53	19.13	19.09	19.07	20
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequence (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	39	19.02	18.97	18.94	20
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequence (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	26	19.21	19.07	19.09	20
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequence (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	13	19.24	19.20	19.12	20

n77 (SCS 30 kHz) PC3							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequence (MHz)			3500.01		
100M	CP-OFDM QPSK	1	137		19.12		20
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequence (MHz)		3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	123	19.11	19.08	19.07	20
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequence (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	109	19.12	19.11	19.03	20
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequence (MHz)		3485.01	3500.01	3514.98	
70M	CP-OFDM QPSK	1	95	19.08	19.06	18.97	20
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequence (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	81	19.08	19.12	19.01	20
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequence (MHz)		3475.02	3500.01	3524.97	
50M	CP-OFDM QPSK	1	67	19.05	19.03	18.05	20
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequence (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	53	19.11	19.12	19.09	20
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequence (MHz)		3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	39	19.08	19.09	18.99	20
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequence (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	26	19.11	19.04	19.02	20
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequence (MHz)		3457.5	3500.01	3542.49	
15M	CP-OFDM QPSK	1	19	19.09	19.02	19.06	20
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequence (MHz)		3455.01	3500.01	3544.98	
10M	CP-OFDM QPSK	1	12	19.13	19.07	19.09	20

n77 (SCS 30 kHz) PC3							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequence (MHz)			3500.01		
100M	DFT-s-OFDM PI/2 BPSK	1	1		19.05		20
		1	137		19.42		20
		1	271		18.58		20
		135	0		19.33		20
		135	69		19.34		20
		135	138		18.98		20
		270	0		19.26		20
	DFT-s-OFDM QPSK	1	1		18.96		20
		1	137		19.45		20
		1	271		18.34		20
		135	0		19.33		20
		135	69		19.39		20
		135	138		18.96		20
		270	0		19.24		20
	DFT-s-OFDM 16QAM	1	137		19.25		20
	DFT-s-OFDM 64QAM	1	137		19.39		20
	DFT-s-OFDM 256QAM	1	137		19.43		20
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequence (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	123	19.12	19.09	19.01	20
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequence (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	109	19.07	19.11	19.03	20
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequence (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	95	19.13	19.10	19.05	20
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequence (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	81	19.09	19.07	18.98	20
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequence (MHz)		3475.02	3500.01	3524.97	
50M	DFT-s-OFDM QPSK	1	67	19.04	19.02	18.96	20
BW	MCS Index	Channel		631334	633334	635332	22.5
		Frequence (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	53	19.05	19.13	19.01	20
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequence (MHz)		3465.03	3500.01	3534.96	
30M	DFT-s-OFDM QPSK	1	39	19.11	19.05	19.04	20
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequence (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	26	19.04	19.01	18.94	20
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequence (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	19	19.07	19.04	18.99	20
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequence (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	12	19.06	19.11	19.03	20

n77 (SCS 30 kHz) PC3							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequence (MHz)		3750	3840	3930	
100M	CP-OFDM QPSK	1	137	18.48	18.52	18.51	20
BW	MCS Index	Channel		649668	656000	662328	Max. Tune-up
		Frequence (MHz)		3745.02	3840	3934.92	
90M	CP-OFDM QPSK	1	123	18.46	18.51	18.49	20
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequence (MHz)		3740.01	3840	3939.99	
80M	CP-OFDM QPSK	1	109	18.50	18.54	18.43	20
BW	MCS Index	Channel		649002	656000	663000	Max. Tune-up
		Frequence (MHz)		3735.03	3840	3944.99	
70M	CP-OFDM QPSK	1	95	18.38	18.49	18.36	20
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequence (MHz)		3730.02	3840	3949.98	
60M	CP-OFDM QPSK	1	81	18.44	18.53	18.47	20
BW	MCS Index	Channel		648336	656000	663666	Max. Tune-up
		Frequence (MHz)		3725.04	3840	3954.99	
50M	CP-OFDM QPSK	1	67	18.52	18.57	18.48	20
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequence (MHz)		3720	3840	3960	
40M	CP-OFDM QPSK	1	53	18.37	18.46	18.35	20
BW	MCS Index	Channel		647670	656000	664332	Max. Tune-up
		Frequence (MHz)		3715.05	3840	3964.98	
30M	CP-OFDM QPSK	1	39	18.48	18.55	18.50	20
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequence (MHz)		3710.01	3840	3969.99	
20M	CP-OFDM QPSK	1	26	18.43	18.52	18.47	20
BW	MCS Index	Channel		647166	656000	664832	Max. Tune-up
		Frequence (MHz)		3707.49	3840	3972.48	
15M	CP-OFDM QPSK	1	19	18.50	18.49	18.42	20
BW	MCS Index	Channel		647000	656000	664998	Max. Tune-up
		Frequence (MHz)		3705	3840	3974.97	
10M	CP-OFDM QPSK	1	12	18.51	18.56	18.49	20

n77 (SCS 30 kHz) PC3							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequence (MHz)		3750	3840	3930	
100M	DFT-s-OFDM PI/2 BPSK	1	1	18.60	18.58	18.62	20
		1	137	18.87	18.90	18.82	20
		1	271	18.27	18.32	18.28	20
		135	0	18.80	18.88	18.72	20
		135	69	18.78	18.85	18.73	20
		135	138	18.74	18.60	18.64	20
		270	0	18.51	18.84	18.77	20
	DFT-s-OFDM QPSK	1	1	18.62	18.72	18.55	20
		1	137	18.92	18.93	18.72	20
		1	271	18.41	18.40	18.27	20
		135	0	18.82	18.86	18.72	20
		135	69	18.88	18.90	18.78	20
		135	138	18.52	18.68	18.62	20
		270	0	18.74	18.87	18.73	20
	DFT-s-OFDM 16QAM	1	137	18.53	18.64	18.72	20
	DFT-s-OFDM 64QAM	1	137	18.62	18.67	18.38	20
	DFT-s-OFDM 256QAM	1	137	18.82	18.80	18.84	20
BW	MCS Index	Channel		649668	656000	662328	Max. Tune-up
		Frequence (MHz)		3745.02	3840	3934.92	
90M	DFT-s-OFDM QPSK	1	123	18.51	18.53	18.49	20
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequence (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	109	18.53	18.49	18.46	20
BW	MCS Index	Channel		649002	656000	663000	Max. Tune-up
		Frequence (MHz)		3735.03	3840	3944.99	
70M	DFT-s-OFDM QPSK	1	95	18.48	18.57	18.37	20
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequence (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	81	18.52	18.58	18.44	20
BW	MCS Index	Channel		648336	656000	663666	Max. Tune-up
		Frequence (MHz)		3725.04	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	67	18.44	18.49	18.39	20
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequence (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	53	18.56	18.59	18.52	20
BW	MCS Index	Channel		647670	656000	664332	Max. Tune-up
		Frequence (MHz)		3715.05	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	39	18.37	18.44	18.22	20
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequence (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	26	18.41	18.51	18.48	20
BW	MCS Index	Channel		647166	656000	664832	Max. Tune-up
		Frequence (MHz)		3707.49	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	19	18.50	18.48	18.36	20
BW	MCS Index	Channel		647000	656000	664998	Max. Tune-up
		Frequence (MHz)		3705	3840	3974.97	
10M	DFT-s-OFDM QPSK	1	12	18.47	18.52	18.49	20

n77 (SCS 30 kHz) PC2							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequence (MHz)			3500.01		
100M	CP-OFDM QPSK	1	137		21.68		22.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequence (MHz)		3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	123	21.69	21.71	21.67	22.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequence (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	109	21.62	21.66	21.63	22.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequence (MHz)		3485.01	3500.01	3514.98	
70M	CP-OFDM QPSK	1	95	21.68	21.69	21.59	22.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequence (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	81	21.61	21.67	21.64	22.5
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequence (MHz)		3475.02	3500.01	3524.97	
50M	CP-OFDM QPSK	1	67	21.67	21.66	21.68	22.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequence (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	53	21.66	21.69	21.70	22.5
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequence (MHz)		3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	39	21.61	21.63	21.59	22.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequence (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	26	21.58	21.65	21.66	22.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequence (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	19	21.70	21.68	21.65	22.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequence (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	12	21.59	21.67	21.61	22.5

n77 (SCS 30 kHz) PC2							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequence (MHz)			3500.01		
100M	DFT-s-OFDM PI/2 BPSK	1	1		21.26		22.5
		1	137		21.69		22.5
		1	271		21.22		22.5
		135	0		21.59		22.5
		135	69		21.68		22.5
		135	138		21.19		22.5
		270	0		21.38		22.5
	DFT-s-OFDM QPSK	1	1		21.44		22.5
		1	137		21.95		22.5
		1	271		21.32		22.5
		135	0		21.68		22.5
		135	69		21.91		22.5
		135	138		21.22		22.5
		270	0		21.46		22.5
	DFT-s-OFDM 16QAM	1	137		21.37		22.5
	DFT-s-OFDM 64QAM	1	137		21.35		22.5
	DFT-s-OFDM 256QAM	1	137		21.01		22.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequence (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	123	21.66	21.68	21.63	22.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequence (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	109	21.58	21.70	21.68	22.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequence (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	95	21.69	21.66	21.58	22.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequence (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	81	21.70	21.67	21.55	22.5
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequence (MHz)		3475.02	3500.01	3524.97	
50M	DFT-s-OFDM QPSK	1	67	21.67	21.68	21.67	22.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequence (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	53	21.57	21.64	21.55	22.5
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequence (MHz)		3465.03	3500.01	3534.96	
30M	DFT-s-OFDM QPSK	1	39	21.66	21.70	21.65	22.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequence (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	26	21.62	21.69	21.63	22.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequence (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	19	21.59	21.63	21.66	22.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequence (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	12	21.67	21.65	21.59	22.5

n77 (SCS 30 kHz) PC2							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequence (MHz)		3750	3840	3930	
100M	CP-OFDM QPSK	1	137	21.09	21.12	20.99	22
BW	MCS Index	Channel		649668	656000	662328	Max. Tune-up
		Frequence (MHz)		3745.02	3840	3934.92	
90M	CP-OFDM QPSK	1	123	21.03	21.09	21.01	22
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequence (MHz)		3740.01	3840	3939.99	
80M	CP-OFDM QPSK	1	109	21.06	21.10	21.04	22
BW	MCS Index	Channel		649002	656000	663000	Max. Tune-up
		Frequence (MHz)		3735.03	3840	3944.99	
70M	CP-OFDM QPSK	1	95	21.01	21.02	20.92	22
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequence (MHz)		3730.02	3840	3949.98	
60M	CP-OFDM QPSK	1	81	20.99	21.06	20.95	22
BW	MCS Index	Channel		648336	656000	663666	Max. Tune-up
		Frequence (MHz)		3725.04	3840	3954.99	
50M	CP-OFDM QPSK	1	67	20.93	21.03	21.01	22
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequence (MHz)		3720	3840	3960	
40M	CP-OFDM QPSK	1	53	21.02	21.09	20.86	22
BW	MCS Index	Channel		647670	656000	664332	Max. Tune-up
		Frequence (MHz)		3715.05	3840	3964.98	
30M	CP-OFDM QPSK	1	39	21.05	21.11	20.99	22
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequence (MHz)		3710.01	3840	3969.99	
20M	CP-OFDM QPSK	1	26	21.01	21.05	20.91	22
BW	MCS Index	Channel		647166	656000	664832	Max. Tune-up
		Frequence (MHz)		3707.49	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	19	21.00	21.08	20.96	22
BW	MCS Index	Channel		647000	656000	664998	Max. Tune-up
		Frequence (MHz)		3705	3840	3974.97	
10M	DFT-s-OFDM QPSK	1	12	21.02	21.09	20.97	22

n77 (SCS 30 kHz) PC2							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequence (MHz)		3750	3840	3930	
100M	DFT-s-OFDM PI/2 BPSK	1	1	20.93	20.96	20.87	22
		1	137	21.00	21.14	20.96	22
		1	271	20.88	20.72	20.61	22
		135	0	21.01	20.89	20.88	22
		135	69	20.89	21.11	20.94	22
		135	138	20.75	21.01	20.61	22
		270	0	20.98	20.78	20.82	22
	DFT-s-OFDM QPSK	1	1	20.73	20.69	20.67	22
		1	137	21.06	21.22	21.04	22
		1	271	20.58	20.66	20.63	22
		135	0	21.10	20.70	21.05	22
		135	69	21.16	21.19	21.11	22
		135	138	20.74	21.08	20.69	22
		270	0	20.98	21.04	20.88	22
	DFT-s-OFDM 16QAM	1	137	20.79	20.85	20.82	22
	DFT-s-OFDM 64QAM	1	137	20.66	20.75	20.69	22
	DFT-s-OFDM 256QAM	1	137	19.83	20.44	20.11	22
BW	MCS Index	Channel		649668	656000	662328	Max. Tune-up
		Frequence (MHz)		3745.02	3840	3934.92	
90M	DFT-s-OFDM QPSK	1	123	21.08	21.04	20.93	22
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequence (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	109	21.01	21.09	20.95	22
BW	MCS Index	Channel		649002	656000	663000	Max. Tune-up
		Frequence (MHz)		3735.03	3840	3944.99	
70M	DFT-s-OFDM QPSK	1	95	21.03	21.05	20.99	22
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequence (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	81	20.98	20.99	20.87	22
BW	MCS Index	Channel		648336	656000	663666	Max. Tune-up
		Frequence (MHz)		3725.04	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	67	20.99	21.02	20.89	22
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequence (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	53	21.01	21.07	20.93	22
BW	MCS Index	Channel		647670	656000	664332	Max. Tune-up
		Frequence (MHz)		3715.05	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	39	20.95	21.03	20.89	22
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequence (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	26	21.05	21.01	20.96	22
BW	MCS Index	Channel		647166	656000	664832	Max. Tune-up
		Frequence (MHz)		3707.49	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	19	21.02	21.09	20.88	22
BW	MCS Index	Channel		647000	656000	664998	Max. Tune-up
		Frequence (MHz)		3705	3840	3974.97	
10M	DFT-s-OFDM QPSK	1	12	21.04	21.10	20.98	22

n78 (SCS 30 kHz) PC3							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequence (MHz)			3500.01		
100M	CP-OFDM QPSK	1	137		19.11		20
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequence (MHz)		3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	123	18.99	19.01	18.88	20
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequence (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	109	19.03	19.06	18.96	20
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequence (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	81	19.01	18.99	19.03	20
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequence (MHz)		3475.02	3500.01	3524.97	
50M	CP-OFDM QPSK	1	67	19.00	19.03	18.85	20
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequence (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	53	19.02	19.09	18.93	20
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequence (MHz)		3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	39	19.96	19.01	18.98	20
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequence (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	26	18.90	19.08	18.77	20
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequence (MHz)		3457.5	3500.01	3542.49	
15M	CP-OFDM QPSK	1	19	18.79	19.04	18.83	20
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequence (MHz)		3455.01	3500.01	3544.98	
10M	CP-OFDM QPSK	1	12	18.89	19.07	18.87	20

n78 (SCS 30 kHz) PC3							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequence (MHz)			3500.01		
100M	DFT-s-OFDM PI/2 BPSK	1	1		18.71		20
		1	137		19.18		20
		1	271		18.07		20
		135	0		18.99		20
		135	69		19.01		20
		135	138		18.14		20
		270	0		18.81		20
	DFT-s-OFDM QPSK	1	1		18.79		20
		1	137		19.25		20
		1	271		18.08		20
		135	0		19.02		20
		135	69		19.07		20
		135	138		18.30		20
		270	0		18.78		20
	DFT-s-OFDM 16QAM	1	137		19.10		20
	DFT-s-OFDM 64QAM	1	137		18.87		20
	DFT-s-OFDM 256QAM	1	137		19.04		20
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequence (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	123	19.22	19.23	19.19	20
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequence (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	109	19.11	19.18	19.20	20
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequence (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	81	19.19	19.20	19.11	20
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequence (MHz)		3475.02	3500.01	3524.97	
50M	DFT-s-OFDM QPSK	1	67	19.11	19.14	19.02	20
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequence (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	53	19.08	19.06	18.95	20
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequence (MHz)		3465.03	3500.01	3534.96	
30M	DFT-s-OFDM QPSK	1	39	19.11	19.13	18.99	20
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequence (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	26	19.05	19.16	19.02	20
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequence (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	19	19.14	19.19	19.09	20
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequence (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	12	19.01	19.10	18.97	20

n78 (SCS 30 kHz) PC3							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			650000		
		Frequence (MHz)			3750		
100	CP-OFDM QPSK	1	137		18.43		19
BW	MCS Index	Channel		649668	650000	650332	Max. Tune-up
		Frequence (MHz)		3745.02	3750	3754.98	
90M	CP-OFDM QPSK	1	123	18.39	18.41	18.40	19
BW	MCS Index	Channel		649334	650000	650666	Max. Tune-up
		Frequence (MHz)		3740.01	3750	3759.99	
80M	CP-OFDM QPSK	1	109	18.33	18.38	18.41	19
BW	MCS Index	Channel		648668	650000	651332	Max. Tune-up
		Frequence (MHz)		3730.02	3750	3769.98	
60M	CP-OFDM QPSK	1	81	18.35	18.40	18.34	19
BW	MCS Index	Channel		648334	650000	651666	Max. Tune-up
		Frequence (MHz)		3725.01	3750	3774.99	
50M	CP-OFDM QPSK	1	67	18.37	18.42	18.38	19
BW	MCS Index	Channel		648000	650000	652000	Max. Tune-up
		Frequence (MHz)		3720	3750	3780	
40M	CP-OFDM QPSK	1	53	18.36	18.36	18.39	19
BW	MCS Index	Channel		647670	650000	652666	Max. Tune-up
		Frequence (MHz)		3715.05	3750	3784.98	
30M	CP-OFDM QPSK	1	39	18.38	18.41	18.37	19
BW	MCS Index	Channel		647334	650000	652666	Max. Tune-up
		Frequence (MHz)		3710.01	3750	3789.99	
20M	CP-OFDM QPSK	1	26	18.35	18.39	18.31	19
BW	MCS Index	Channel		647166	650000	652832	Max. Tune-up
		Frequence (MHz)		3707.49	3750	3792.48	
15M	CP-OFDM QPSK	1	19	18.33	18.38	18.36	19
BW	MCS Index	Channel		647000	650000	652998	Max. Tune-up
		Frequence (MHz)		3705	3750	3794.97	
10M	CP-OFDM QPSK	1	12	18.31	18.35	18.33	19

n78 (SCS 30 kHz) PC3							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			650000		
		Frequence (MHz)			3750		
100M	DFT-s-OFDM PI/2 BPSK	1	1		18.23		19
		1	137		18.45		19
		1	271		17.33		19
		135	0		18.21		19
		135	69		18.35		19
		135	138		17.45		19
		270	0		18.22		19
	DFT-s-OFDM QPSK	1	1		18.32		19
		1	137		18.50		19
		1	271		17.38		19
		135	0		18.35		19
		135	69		18.48		19
		135	138		17.74		19
		270	0		18.31		19
	DFT-s-OFDM 16QAM	1	137		18.32		19
	DFT-s-OFDM 64QAM	1	137		18.12		19
	DFT-s-OFDM 256QAM	1	137		18.29		19
BW	MCS Index	Channel		649668	650000	650332	Max. Tune-up
		Frequence (MHz)		3745.02	3750	3754.98	
90M	DFT-s-OFDM QPSK	1	123		18.47		19
BW	MCS Index	Channel		649334	650000	650666	Max. Tune-up
		Frequence (MHz)		3740.01	3750	3759.99	
80M	DFT-s-OFDM QPSK	1	109	18.37	18.44	18.45	19
BW	MCS Index	Channel		648668	650000	651332	Max. Tune-up
		Frequence (MHz)		3730.02	3750	3769.98	
60M	DFT-s-OFDM QPSK	1	81	18.39	18.46	18.41	19
BW	MCS Index	Channel		648334	650000	651666	Max. Tune-up
		Frequence (MHz)		3725.01	3750	3774.99	
50M	DFT-s-OFDM QPSK	1	67	18.35	18.41	18.43	19
BW	MCS Index	Channel		648000	650000	652000	Max. Tune-up
		Frequence (MHz)		3720	3750	3780	
40M	DFT-s-OFDM QPSK	1	53	18.39	18.44	18.40	19
BW	MCS Index	Channel		647670	650000	652332	Max. Tune-up
		Frequence (MHz)		3715.05	3750	3784.98	
30M	DFT-s-OFDM QPSK	1	39	18.41	18.42	18.37	19
BW	MCS Index	Channel		647334	650000	652666	Max. Tune-up
		Frequence (MHz)		3710.01	3750	3789.99	
20M	DFT-s-OFDM QPSK	1	26	18.41	18.40	18.34	19
BW	MCS Index	Channel		647166	650000	652832	Max. Tune-up
		Frequence (MHz)		3707.49	3750	3792.48	
15M	DFT-s-OFDM QPSK	1	19	18.39	18.43	18.34	19
BW	MCS Index	Channel		647000	650000	652998	Max. Tune-up
		Frequence (MHz)		3705	3750	3794.97	
10M	DFT-s-OFDM QPSK	1	12	18.40	18.45	18.29	19

n78 (SCS 30 kHz) PC2							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequence (MHz)			3500.01		
100M	CP-OFDM QPSK	1	137		21.28		22.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequence (MHz)		3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	123	21.18	21.23	21.22	22.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequence (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	109	21.11	21.19	21.21	22.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequence (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	81	21.22	21.25	21.24	22.5
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequence (MHz)		3475.02	3500.01	3524.97	
50M	CP-OFDM QPSK	1	67	21.14	21.22	21.20	22.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequence (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	53	21.19	21.21	21.15	22.5
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequence (MHz)		3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	39	21.20	21.26	21.21	22.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequence (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	26	21.15	21.20	21.18	22.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequence (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	19	21.16	21.19	21.22	22.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequence (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	12	21.17	21.18	21.19	22.5

n78 (SCS 30 kHz) PC2							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequence (MHz)			3500.01		
100M	DFT-s-OFDM PI/2 BPSK	1	1		21.12		22.5
		1	137		21.56		22.5
		1	271		20.78		22.5
		135	0		21.23		22.5
		135	69		21.46		22.5
		135	138		21.02		22.5
		270	0		21.43		22.5
	DFT-s-OFDM QPSK	1	1		21.31		22.5
		1	137		21.76		22.5
		1	271		20.72		22.5
		135	0		21.35		22.5
		135	69		21.65		22.5
		135	138		21.13		22.5
		270	0		21.53		22.5
	DFT-s-OFDM 16QAM	1	137		21.27		22.5
	DFT-s-OFDM 64QAM	1	137		21.41		22.5
	DFT-s-OFDM 256QAM	1	137		20.86		22.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequence (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	123	21.65	21.71	21.61	22.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequence (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	109	21.66	21.69	21.52	22.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequence (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	81	21.59	21.66	21.51	22.5
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequence (MHz)		3475.02	3500.01	3524.97	
50M	DFT-s-OFDM QPSK	1	67	21.62	21.68	21.55	22.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequence (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	53	21.53	21.59	21.49	22.5
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequence (MHz)		3465.03	3500.01	3534.96	
30M	DFT-s-OFDM QPSK	1	39	21.58	21.62	21.59	22.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequence (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	26	21.60	21.66	21.62	22.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequence (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	19	21.57	21.61	21.52	22.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequence (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	12	21.62	21.60	21.55	22.5

n78 (SCS 30 kHz) PC2							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			650000		
		Frequence (MHz)			3750		
100	CP-OFDM QPSK	1	137		21.08		22
BW	MCS Index	Channel		649668	650000	650332	Max. Tune-up
		Frequence (MHz)		3745.02	3750	3754.98	
90M	CP-OFDM QPSK	1	123	20.99	21.02	21.03	22
BW	MCS Index	Channel		649334	650000	650666	Max. Tune-up
		Frequence (MHz)		3740.01	3750	3759.99	
80M	CP-OFDM QPSK	1	109	21.01	21.05	21.07	22
BW	MCS Index	Channel		648668	650000	651332	Max. Tune-up
		Frequence (MHz)		3730.02	3750	3769.98	
60M	CP-OFDM QPSK	1	81	20.95	21.01	21.03	22
BW	MCS Index	Channel		648334	650000	651666	Max. Tune-up
		Frequence (MHz)		3725.01	3750	3774.99	
50M	CP-OFDM QPSK	1	67	20.93	21.00	20.99	22
BW	MCS Index	Channel		648000	650000	652000	Max. Tune-up
		Frequence (MHz)		3720	3750	3780	
40M	CP-OFDM QPSK	1	53	21.01	21.05	21.02	22
BW	MCS Index	Channel		647670	650000	652666	Max. Tune-up
		Frequence (MHz)		3715.05	3750	3784.98	
30M	CP-OFDM QPSK	1	39	20.96	21.02	21.00	22
BW	MCS Index	Channel		647334	650000	652666	Max. Tune-up
		Frequence (MHz)		3710.01	3750	3789.99	
20M	CP-OFDM QPSK	1	26	20.98	21.03	21.01	22
BW	MCS Index	Channel		647166	650000	652832	Max. Tune-up
		Frequence (MHz)		3707.49	3750	3792.48	
15M	DFT-s-OFDM QPSK	1	19	20.95	20.99	20.98	22
BW	MCS Index	Channel		647000	650000	652998	Max. Tune-up
		Frequence (MHz)		3705	3750	3794.97	
10M	DFT-s-OFDM QPSK	1	12	21.00	21.04	21.01	22

n78 (SCS 30 kHz) PC2							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			650000		
		Frequence (MHz)			3750		
100M	DFT-s-OFDM PI/2 BPSK	1	1		20.83		22
		1	137		21.08		22
		1	271		20.12		22
		135	0		21.02		22
		135	69		20.89		22
		135	138		20.05		22
		270	0		20.77		22
	DFT-s-OFDM QPSK	1	1		20.91		22
		1	137		21.18		22
		1	271		20.02		22
		135	0		21.10		22
		135	69		21.02		22
		135	138		20.13		22
		270	0		20.96		22
	DFT-s-OFDM 16QAM	1	137		20.89		22
	DFT-s-OFDM 64QAM	1	137		20.63		22
	DFT-s-OFDM 256QAM	1	137		20.21		22
BW	MCS Index	Channel		649668	650000	650332	Max. Tune-up
		Frequence (MHz)		3745.02	3750	3754.98	
90M	DFT-s-OFDM QPSK	1	123	21.09	21.13	21.11	22
BW	MCS Index	Channel		649334	650000	650666	Max. Tune-up
		Frequence (MHz)		3740.01	3750	3759.99	
80M	DFT-s-OFDM QPSK	1	109	21.05	21.11	21.10	22
BW	MCS Index	Channel		648668	650000	651332	Max. Tune-up
		Frequence (MHz)		3730.02	3750	3769.98	
60M	DFT-s-OFDM QPSK	1	81	21.08	21.09	21.11	22
BW	MCS Index	Channel		648334	650000	651666	Max. Tune-up
		Frequence (MHz)		3725.01	3750	3774.99	
50M	DFT-s-OFDM QPSK	1	67	21.04	21.10	21.04	22
BW	MCS Index	Channel		648000	650000	652000	Max. Tune-up
		Frequence (MHz)		3720	3750	3780	
40M	DFT-s-OFDM QPSK	1	53	21.05	21.08	21.02	22
BW	MCS Index	Channel		647670	650000	652332	Max. Tune-up
		Frequence (MHz)		3715.05	3750	3784.98	
30M	DFT-s-OFDM QPSK	1	39	21.09	21.12	21.04	22
BW	MCS Index	Channel		647334	650000	652666	Max. Tune-up
		Frequence (MHz)		3710.01	3750	3789.99	
20M	DFT-s-OFDM QPSK	1	26	21.03	21.10	21.03	22
BW	MCS Index	Channel		647166	650000	652832	Max. Tune-up
		Frequence (MHz)		3707.49	3750	3792.48	
15M	DFT-s-OFDM QPSK	1	19	21.01	21.05	21.06	22
BW	MCS Index	Channel		647000	650000	652998	Max. Tune-up
		Frequence (MHz)		3705	3750	3794.97	
10M	DFT-s-OFDM QPSK	1	12	21.02	21.07	21.01	22

2.4GHz WLAN	Ant 7				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
2.4GHz WLAN	**802.11b 1Mbps**	1	2412	15.87	16.50
		6	2437	**15.89**	16.50
		11	2462	15.47	16.50
	802.11g 6Mbps	1	2412	12.87	13.50
		6	2437	12.88	13.50
		11	2462	12.66	13.50
	802.11n-HT20 MCS0	1	2412	12.92	13.50
		6	2437	12.78	13.50
		11	2462	12.54	13.50
	802.11n-HT40 MCS0	3	2422	13.10	14.00
		6	2437	13.05	14.00
		9	2452	13.05	14.00
	802.11ax-HE20 MCS0	1	2412	14.44	15.50
		6	2437	14.63	15.50
		11	2462	14.20	15.50
	802.11ax-HE40 MCS0	3	2422	14.67	15.50
		6	2437	14.74	15.50
		9	2452	14.80	15.50

2.4GHz WLAN	Ant 8				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
2.4GHz WLAN	**802.11b 1Mbps**	1	2412	15.39	16.50
		6	2437	**15.55**	16.50
		11	2462	15.26	16.50
	802.11g 6Mbps	1	2412	12.39	13.50
		6	2437	12.52	13.50
		11	2462	12.33	13.50
	802.11n-HT20 MCS0	1	2412	12.23	13.50
		6	2437	12.37	13.50
		11	2462	12.21	13.50
	802.11n-HT40 MCS0	3	2422	12.32	13.50
		6	2437	12.47	13.50
		9	2452	12.47	13.50
	802.11ax-HE20 MCS0	1	2412	13.97	15.00
		6	2437	14.23	15.00
		11	2462	13.71	15.00
	802.11ax-HE40 MCS0	3	2422	14.06	15.00
		6	2437	14.27	15.00
		9	2452	14.33	15.00

2.4GHz WLAN	Ant 7+8				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
2.4GHz WLAN	**802.11b 1Mbps**	1	2412	18.59	19.50
		6	2437	**18.61**	19.50
		11	2462	18.26	19.50
	802.11g 6Mbps	1	2412	15.82	16.50
		6	2437	15.96	16.50
		11	2462	15.70	16.50
	802.11n-HT20 MCS0	1	2412	15.98	17.00
		6	2437	16.25	17.00
		11	2462	15.84	17.00
	802.11n-HT40 MCS0	3	2422	15.96	17.00
		6	2437	16.11	17.00
		9	2452	16.08	17.00
	802.11ax-HE20 MCS0	1	2412	17.47	18.50
		6	2437	17.65	18.50
		11	2462	17.30	18.50
	802.11ax-HE40 MCS0	3	2422	17.41	18.50
		6	2437	17.55	18.50
		9	2452	17.60	18.50

5GHz WLAN	Ant 7				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.90	16.00
		40	5200	14.97	16.00
		44	5220	14.87	16.00
		48	5240	15.15	16.00
	802.11n-HT20 MCS0	36	5180	14.74	16.00
		40	5200	14.95	16.00
		44	5220	14.82	16.00
		48	5240	14.88	16.00
	802.11n-HT40 MCS0	38	5190	16.94	18.00
		46	5230	17.10	18.00
	802.11ac-VHT20 MCS0	36	5180	14.86	16.00
		40	5200	14.84	16.00
		44	5220	14.79	16.00
		48	5240	14.89	16.00
	802.11ac-VHT40 MCS0	38	5190	16.97	18.00
		46	5230	**17.18**	18.00
	802.11ac-VHT80 MCS0	42	5210	16.80	18.00
	802.11ax-HE20 MCS0	36	5180	15.32	16.50
		40	5200	15.27	16.50
		44	5220	15.21	16.50
		48	5240	15.32	16.50
	802.11ax-HE40 MCS0	38	5190	15.35	16.50
		46	5230	15.39	16.50
	802.11ax-HE80 MCS0	42	5210	14.69	16.00

5GHz WLAN	Ant 8				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	13.92	15.00
		40	5200	14.12	15.00
		44	5220	13.79	15.00
		48	5240	13.64	15.00
	802.11n-HT20 MCS0	36	5180	13.75	15.00
		40	5200	13.92	15.00
		44	5220	13.73	15.00
		48	5240	13.41	15.00
	802.11n-HT40 MCS0	38	5190	**16.10**	17.00
		46	5230	15.68	17.00
	802.11ac-VHT20 MCS0	36	5180	13.81	15.00
		40	5200	13.94	15.00
		44	5220	13.88	15.00
		48	5240	13.52	15.00
	802.11ac-VHT40 MCS0	38	5190	15.95	17.00
		46	5230	15.76	17.00
	802.11ac-VHT80 MCS0	42	5210	15.67	17.00
	802.11ax-HE20 MCS0	36	5180	14.06	15.00
		40	5200	14.28	15.00
		44	5220	14.32	15.00
		48	5240	14.41	15.00
	802.11ax-HE40 MCS0	38	5190	14.33	15.00
		46	5230	14.47	15.00
	802.11ax-HE80 MCS0	42	5210	13.49	15.00

5GHz WLAN	Ant 7+8				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	18.13	19.00
		40	5200	18.29	19.00
		44	5220	18.12	19.00
		48	5240	18.32	19.00
	802.11n-HT20 MCS0	36	5180	18.15	19.00
		40	5200	18.20	19.00
		44	5220	18.11	19.00
		48	5240	18.13	19.00
	802.11n-HT40 MCS0	38	5190	18.93	20.00
		46	5230	19.15	20.00
	802.11ac-VHT20 MCS0	36	5180	18.20	19.00
		40	5200	18.17	19.00
		44	5220	18.09	19.00
		48	5240	18.04	19.00
	802.11ac-VHT40 MCS0	38	5190	18.93	20.00
		46	5230	**19.16**	20.00
	802.11ac-VHT80 MCS0	42	5210	18.93	20.00
	802.11ax-HE20 MCS0	36	5180	17.76	19.00
		40	5200	17.83	19.00
		44	5220	17.77	19.00
		48	5240	17.91	19.00
	802.11ax-HE40 MCS0	38	5190	17.92	19.00
		46	5230	18.01	19.00
	802.11ax-HE80 MCS0	42	5210	17.20	18.00

5GHz WLAN	Ant 7				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	14.46	15.50
		56	5280	14.39	15.50
		60	5300	14.64	15.50
		64	5320	14.53	15.50
	802.11n-HT20 MCS0	52	5260	14.41	15.50
		56	5280	14.32	15.50
		60	5300	14.48	15.50
		64	5320	14.49	15.50
	802.11n-HT40 MCS0	54	5270	16.61	17.00
		62	5310	**16.65**	17.00
	802.11ac-VHT20 MCS0	52	5260	14.45	15.50
		56	5280	14.30	15.50
		60	5300	14.41	15.50
		64	5320	14.48	15.50
	802.11ac-VHT40 MCS0	54	5270	16.51	17.00
		62	5310	16.49	17.00
	802.11ac-VHT80 MCS0	58	5290	15.96	17.00
	802.11ax-HE20 MCS0	52	5260	14.93	16.00
		56	5280	14.96	16.00
		60	5300	14.86	16.00
		64	5320	14.99	16.00
	802.11ax-HE40 MCS0	54	5270	14.92	16.00
		62	5310	14.88	16.00
	802.11ax-HE80 MCS0	58	5290	13.91	15.00

5GHz WLAN	Ant 8				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	14.35	15.50
		56	5280	14.28	15.50
		60	5300	14.29	15.50
		64	5320	14.24	15.50
	802.11n-HT20 MCS0	52	5260	14.23	15.50
		56	5280	14.19	15.50
		60	5300	14.14	15.50
		64	5320	14.07	15.50
	802.11n-HT40 MCS0	54	5270	**16.20**	17.00
		62	5310	16.02	17.00
	802.11ac-VHT20 MCS0	52	5260	14.23	15.50
		56	5280	14.12	15.50
		60	5300	14.16	15.50
		64	5320	14.11	15.50
	802.11ac-VHT40 MCS0	54	5270	16.11	17.00
		62	5310	16.10	17.00
	802.11ac-VHT80 MCS0	58	5290	16.12	17.00
	802.11ax-HE20 MCS0	52	5260	14.29	15.50
		56	5280	14.32	15.50
		60	5300	14.26	15.50
		64	5320	14.58	15.50
	802.11ax-HE40 MCS0	54	5270	14.37	15.50
		62	5310	14.36	15.50
	802.11ax-HE80 MCS0	58	5290	13.31	14.50

5GHz WLAN	Ant 7+8				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.25	19.00
		56	5280	18.17	19.00
		60	5300	18.31	19.00
		64	5320	18.32	19.00
	802.11n-HT20 MCS0	52	5260	18.09	19.00
		56	5280	18.04	19.00
		60	5300	18.16	19.00
		64	5320	18.13	19.00
	802.11n-HT40 MCS0	54	5270	**19.08**	19.50
		62	5310	19.05	19.50
	802.11ac-VHT20 MCS0	52	5260	18.09	19.00
		56	5280	18.11	19.00
		60	5300	18.19	19.00
		64	5320	18.17	19.00
	802.11ac-VHT40 MCS0	54	5270	19.06	19.50
		62	5310	19.04	19.50
	802.11ac-VHT80 MCS0	58	5290	18.92	19.50
	802.11ax-HE20 MCS0	52	5260	17.64	18.50
		56	5280	17.68	18.50
		60	5300	17.58	18.50
		64	5320	17.83	18.50
	802.11ax-HE40 MCS0	54	5270	17.69	18.50
		62	5310	17.68	18.50
	802.11ax-HE80 MCS0	58	5290	16.66	17.50

5GHz WLAN	Ant 7				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	13.62	15.00
		157	5785	13.88	15.00
		165	5825	13.75	15.00
	802.11n-HT20 MCS0	149	5745	13.42	15.00
		157	5785	13.68	15.00
		165	5825	13.55	15.00
	802.11n-HT40 MCS0	151	5755	15.11	16.00
		159	5795	**15.61**	16.00
	802.11ac-VHT20 MCS0	149	5745	13.49	15.00
		157	5785	13.66	15.00
		165	5825	13.64	15.00
	802.11ac-VHT40 MCS0	151	5755	15.11	16.00
		159	5795	15.55	16.00
	802.11ac-VHT80 MCS0	155	5775	15.34	16.00
	802.11ax-HE20 MCS0	149	5745	13.99	15.00
		157	5785	14.24	15.00
		165	5825	14.15	15.00
	802.11ax-HE40 MCS0	151	5755	14.13	15.00
		159	5795	14.24	15.00
	802.11ax-HE80 MCS0	155	5775	13.08	14.00

5GHz WLAN	Ant 8				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	13.74	15.00
		157	5785	14.26	15.00
		165	5825	13.79	15.00
	802.11n-HT20 MCS0	149	5745	13.54	15.00
		157	5785	14.09	15.00
		165	5825	13.60	15.00
	802.11n-HT40 MCS0	151	5755	**15.82**	16.50
		159	5795	15.72	16.50
	802.11ac-VHT20 MCS0	149	5745	13.54	15.00
		157	5785	14.01	15.00
		165	5825	13.58	15.00
	802.11ac-VHT40 MCS0	151	5755	15.81	16.50
		159	5795	15.70	16.50
	802.11ac-VHT80 MCS0	155	5775	15.68	16.50
	802.11ax-HE20 MCS0	149	5745	13.90	15.00
		157	5785	14.01	15.00
		165	5825	13.84	15.00
	802.11ax-HE40 MCS0	151	5755	13.27	14.50
		159	5795	13.25	14.50
	802.11ax-HE80 MCS0	155	5775	13.16	14.50

5GHz WLAN	Ant 7+8				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	16.43	17.50
		157	5785	16.71	17.50
		165	5825	16.68	17.50
	802.11n-HT20 MCS0	149	5745	16.56	17.50
		157	5785	16.28	17.50
		165	5825	16.58	17.50
	802.11n-HT40 MCS0	151	5755	18.35	19.50
		159	5795	18.47	19.50
	802.11ac-VHT20 MCS0	149	5745	16.51	17.50
		157	5785	16.22	17.50
		165	5825	16.56	17.50
	802.11ac-VHT40 MCS0	151	5755	18.34	19.50
		159	5795	**18.75**	19.50
	802.11ac-VHT80 MCS0	155	5775	18.22	19.50
	802.11ax-HE20 MCS0	149	5745	16.99	18.00
		157	5785	17.19	18.00
		165	5825	17.06	18.00
	802.11ax-HE40 MCS0	151	5755	16.77	18.00
		159	5795	16.82	18.00
	802.11ax-HE80 MCS0	155	5775	16.16	17.00

BT	Ant7				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
BT	GFSK	CH 0	2402	15.21	15.50
		CH 39	2441	14.69	15.50
		CH 78	2480	13.82	15.50
	DQPSK	CH 0	2402	12.65	13.00
		CH 39	2441	12.26	13.00
		CH 78	2480	11.47	13.00
	8DPSK	CH 0	2402	12.54	13.00
		CH 39	2441	12.48	13.00
		CH 78	2480	12.45	13.00
	1M	CH 0	2402	14.13	14.50
		CH 19	2440	13.90	14.50
		CH 39	2480	12.75	14.50
	2M		2404	14.49	14.50
		CH 19	2440	14.10	14.50
			2478	13.18	14.50

Appendix E. Simultaneous Multi-band Transmission Evaluation

The simultaneous transmission evaluation and analysis is shown as below.

Simultaneous Transmission analysis Hotspot SAR(EN-DC)

WWAN Band		Exposure Position	1	2	3	4	5	6	7	8	9	1+2	1+2+3	1+2+4	1+2+5	1+2+6	1+2+7	1+2+8	1+2+9
			LTE	NR	WLAN2.4G Ant6	WLAN2.4G Ant7	WLAN2.4G AntB=7	WLAN5G Ant6	WLAN5G Ant7	WLAN5G AntB=7	BT	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
NR Band n2	LTE Band 13	Front at 10mm -	0.228	0.127	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.355	0.491	0.465	0.521	0.681	0.552	0.658	0.419
		Back at 10mm -	0.230	0.644	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.874	1.018	1.233	1.164	1.125	1.087	1.163	0.979
		Left side at 10mm -	0.084	0.539								0.622	0.622	0.622	0.622	0.622	0.622	0.622	0.622
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -		0.056	0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.056	0.197	0.104	0.204	0.314	0.220	0.481	0.103
		Bottom side at 10mm -	0.187									0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.187
	LTE Band 66	Front at 10mm -	0.301	0.127	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.428	0.564	0.538	0.594	0.754	0.626	0.732	0.492
		Back at 10mm -	0.522	0.644	0.144	0.359	0.289	0.251	0.213	0.289	0.104	1.166	1.309	1.524	1.455	1.417	1.378	1.455	1.270
		Left side at 10mm -	0.579	0.539								1.118	1.118	1.118	1.118	1.118	1.118	1.118	1.118
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -		0.056	0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.056	0.197	0.104	0.204	0.314	0.220	0.481	0.103
		Bottom side at 10mm -	0.041									0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041
NR Band n5	LTE Band 2	Front at 10mm -	0.228	0.481	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.709	0.845	0.819	0.875	1.035	0.906	1.012	0.773
		Back at 10mm -	0.419	0.685	0.144	0.359	0.289	0.251	0.213	0.289	0.104	1.103	1.247	1.462	1.393	1.355	1.316	1.392	1.208
		Left side at 10mm -	0.548	0.223								0.770	0.770	0.770	0.770	0.770	0.770	0.770	0.770
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -			0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.000	0.141	0.049	0.148	0.259	0.165	0.425	0.047
		Bottom side at 10mm -	0.093	0.523								0.616	0.616	0.616	0.616	0.616	0.616	0.616	0.616
	LTE Band 66	Front at 10mm -	0.301	0.481	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.782	0.918	0.892	0.948	1.108	0.980	1.086	0.846
		Back at 10mm -	0.522	0.685	0.144	0.359	0.289	0.251	0.213	0.289	0.104	1.206	1.350	1.565	1.496	1.457	1.419	1.495	1.311
		Left side at 10mm -	0.579	0.223								0.802	0.802	0.802	0.802	0.802	0.802	0.802	0.802
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -			0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.000	0.141	0.049	0.148	0.259	0.165	0.425	0.047
		Bottom side at 10mm -	0.041	0.523								0.564	0.564	0.564	0.564	0.564	0.564	0.564	0.564
NR Band n25	LTE Band 66	Front at 10mm -	0.301	0.127	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.428	0.564	0.538	0.594	0.754	0.626	0.732	0.492
		Back at 10mm -	0.522	0.644	0.144	0.359	0.289	0.251	0.213	0.289	0.104	1.166	1.309	1.524	1.455	1.417	1.378	1.455	1.270
		Left side at 10mm -	0.579	0.539								1.118	1.118	1.118	1.118	1.118	1.118	1.118	1.118
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -		0.056	0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.056	0.197	0.104	0.204	0.314	0.220	0.481	0.103
		Bottom side at 10mm -	0.041									0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041
NR Band n41	LTE Band 2	Front at 10mm -	0.228	0.245	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.473	0.609	0.583	0.639	0.799	0.671	0.777	0.537
		Back at 10mm -	0.419	0.652	0.144	0.359	0.289	0.251	0.213	0.289	0.104	1.071	1.214	1.429	1.360	1.322	1.283	1.360	1.175
		Left side at 10mm -	0.548	0.735								1.283	1.283	1.283	1.283	1.283	1.283	1.283	1.283
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -		0.572	0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.572	0.713	0.620	0.720	0.830	0.736	0.997	0.619
		Bottom side at 10mm -	0.093									0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093
	LTE Band 41	Front at 10mm -	0.198	0.245	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.444	0.579	0.553	0.609	0.769	0.641	0.747	0.508
		Back at 10mm -	0.548	0.652	0.144	0.359	0.289	0.251	0.213	0.289	0.104	1.200	1.344	1.559	1.489	1.451	1.412	1.489	1.304
		Left side at 10mm -	0.582	0.735								1.317	1.317	1.317	1.317	1.317	1.317	1.317	1.317
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -		0.572	0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.572	0.713	0.620	0.720	0.830	0.736	0.997	0.619
		Bottom side at 10mm -	0.096									0.096	0.096	0.096	0.096	0.096	0.096	0.096	0.096
	LTE Band 66	Front at 10mm -	0.301	0.245	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.547	0.682	0.656	0.712	0.873	0.744	0.850	0.611
		Back at 10mm -	0.522	0.652	0.144	0.359	0.289	0.251	0.213	0.289	0.104	1.173	1.317	1.532	1.463	1.425	1.386	1.462	1.278
		Left side at 10mm -	0.579	0.735								1.314	1.314	1.314	1.314	1.314	1.314	1.314	1.314
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -		0.572	0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.572	0.713	0.620	0.720	0.830	0.736	0.997	0.619
		Bottom side at 10mm -	0.041									0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041
NR Band n66	LTE Band 2	Front at 10mm -	0.228	0.202	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.430	0.566	0.540	0.596	0.756	0.628	0.734	0.494
		Back at 10mm -	0.419	0.542	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.961	1.105	1.319	1.250	1.212	1.173	1.250	1.065
		Left side at 10mm -	0.548	0.426								0.974	0.974	0.974	0.974	0.974	0.974	0.974	0.974
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -		0.068	0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.068	0.210	0.117	0.217	0.327	0.233	0.494	0.116
		Bottom side at 10mm -	0.093									0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093
	LTE Band 13	Front at 10mm -	0.228	0.202	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.430	0.566	0.540	0.596	0.756	0.628	0.734	0.494
		Back at 10mm -	0.230	0.542	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.772	0.916	1.131	1.061	1.023	0.985	1.061	0.876
		Left side at 10mm -	0.084	0.426								0.510	0.510	0.510	0.510	0.510	0.510	0.510	0.510
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -		0.068	0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.068	0.210	0.117	0.217	0.327	0.233	0.494	0.116
		Bottom side at 10mm -	0.187									0.187	0.187	0.187	0.187	0.187	0.187	0.187	0.187
NR Band n71	LTE Band 2	Front at 10mm -	0.228	0.291	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.519	0.654	0.628	0.684	0.844	0.716	0.822	0.583
		Back at 10mm -	0.419	0.285	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.704	0.847	1.062	0.993	0.955	0.916	0.993	0.808
		Left side at 10mm -	0.548	0.245								0.793	0.793	0.793	0.793	0.793	0.793	0.793	0.793
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -			0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.000	0.141	0.049	0.148	0.259	0.165	0.425	0.047
		Bottom side at 10mm -	0.093	0.189								0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283
	LTE Band 66	Front at 10mm -	0.301	0.291	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.592	0.728	0.701	0.757	0.918	0.789	0.895	0.656
		Back at 10mm -	0.522	0.285	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.806	0.950	1.165	1.096	1.058	1.019	1.095	0.911
		Left side at 10mm -	0.579	0.245								0.824	0.824	0.824	0.824	0.824	0.824	0.824	0.824
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -			0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.000	0.141	0.049	0.148	0.259	0.165	0.425	0.047
		Bottom side at 10mm -	0.041	0.189								0.231	0.231	0.231	0.231	0.231	0.231	0.231	0.231
NR Band n77	LTE Band 2	Front at 10mm -	0.228	0.129	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.357	0.493	0.467	0.523	0.683	0.555	0.661	0.421
		Back at 10mm -	0.419	0.531	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.949	1.093	1.308	1.239	1.201	1.162	1.238	1.054
		Left side at 10mm -	0.548	0.394								0.942	0.942	0.942	0.942	0.942	0.942	0.942	0.942
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -		0.161	0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.161	0.303	0.210	0.310	0.420	0.336	0.587	0.209
		Bottom side at 10mm -	0.093									0.093	0.093	0.093	0.093	0.093	0.093	0.093	0.093

Simultaneous Transmission analysis Hotspot SAR(Inter UL CA LTE)

WWAN Band		Exposure Position	1	2	3	4	5	6	7	8	9	1+2	1+2+3	1+2+4	1+2+5	1+2+6	1+2+7	1+2+8	1+2+9
			LTE	LTE	WLAN2.4G Ant6	WLAN2.4G Ant7	WLAN2.4G AntB=7	WLAN5G Ant6	WLAN5G Ant7	WLAN5G AntB=7	BT	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 / Ant4	LTE Band 4 / Ant4	Front at 10mm -	0.301	0.228	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.529	0.665	0.639	0.695	0.855	0.726	0.832	0.593
		Back at 10mm -	0.522	0.419	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.941	1.084	1.299	1.230	1.192	1.153	1.230	1.045
		Left side at 10mm -	0.579	0.548								1.127	1.127	1.127	1.127	1.127	1.127	1.127	1.127
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -			0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.000	0.141	0.049	0.148	0.259	0.165	0.425	0.047
		Bottom side at 10mm -	0.041	0.093								0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135
	LTE Band 5 / Ant6	Front at 10mm -	0.356	0.228	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.584	0.720	0.694	0.750	0.910	0.782	0.888	0.648
		Back at 10mm -	0.692	0.419	0.144	0.359	0.289	0.251	0.213	0.289	0.104	1.111	1.255	1.470	1.400	1.362	1.323	1.400	1.215
		Left side at 10mm -	0.129	0.548								0.677	0.677	0.677	0.677	0.677	0.677	0.677	0.677
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -			0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.000	0.141	0.049	0.148	0.259	0.165	0.425	0.047
		Bottom side at 10mm -	0.439	0.093								0.532	0.532	0.532	0.532	0.532	0.532	0.532	0.532
	LTE Band 12 / Ant6	Front at 10mm -	0.334	0.228	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.562	0.696	0.672	0.728	0.888	0.760	0.866	0.626
		Back at 10mm -	0.294	0.419	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.712	0.856	1.071	1.002	0.964	0.925	1.001	0.817
		Left side at 10mm -	0.270	0.548								0.818	0.818	0.818	0.818	0.818	0.818	0.818	0.818
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -			0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.000	0.141	0.049	0.148	0.259	0.165	0.425	0.047
		Bottom side at 10mm -	0.216	0.093								0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310
	LTE Band 13 / Ant6	Front at 10mm -	0.228	0.228	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.456	0.591	0.565	0.621	0.782	0.653	0.759	0.520
		Back at 10mm -	0.230	0.419	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.649	0.793	1.008	0.939	0.900	0.862	0.938	0.753
		Left side at 10mm -	0.084	0.548								0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -			0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.000	0.141	0.049	0.148	0.259	0.165	0.425	0.047
		Bottom side at 10mm -	0.187	0.093								0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280
	LTE Band 66 / Ant4	Front at 10mm -	0.301	0.228	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.529	0.665	0.639	0.695	0.855	0.726	0.832	0.593
		Back at 10mm -	0.522	0.419	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.941	1.084	1.299	1.230	1.192	1.153	1.230	1.045
		Left side at 10mm -	0.579	0.548								1.127	1.127	1.127	1.127	1.127	1.127	1.127	1.127
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -			0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.000	0.141	0.049	0.148	0.259	0.165	0.425	0.047
		Bottom side at 10mm -	0.041	0.093								0.135	0.135	0.135	0.135	0.135	0.135	0.135	0.135
LTE Band 4 / Ant4	LTE Band 5 / Ant6	Front at 10mm -	0.356	0.301	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.657	0.793	0.767	0.823	0.983	0.855	0.961	0.722
		Back at 10mm -	0.692	0.522	0.144	0.359	0.289	0.251	0.213	0.289	0.104	1.214	1.357	1.572	1.503	1.465	1.426	1.503	1.318
		Left side at 10mm -	0.129	0.579								0.708	0.708	0.708	0.708	0.708	0.708	0.708	0.708
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -			0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.000	0.141	0.049	0.148	0.259	0.165	0.425	0.047
		Bottom side at 10mm -	0.439	0.041								0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480
	LTE Band 12 / Ant6	Front at 10mm -	0.334	0.301	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.636	0.771	0.745	0.801	0.962	0.833	0.939	0.700
		Back at 10mm -	0.294	0.522	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.815	0.959	1.174	1.105	1.066	1.028	1.104	0.920
		Left side at 10mm -	0.270	0.579								0.849	0.849	0.849	0.849	0.849	0.849	0.849	0.849
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -			0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.000	0.141	0.049	0.148	0.259	0.165	0.425	0.047
		Bottom side at 10mm -	0.216	0.041								0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258
	LTE Band 13 / Ant6	Front at 10mm -	0.228	0.301	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.529	0.665	0.638	0.694	0.855	0.726	0.832	0.593
		Back at 10mm -	0.230	0.522	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.752	0.896	1.110	1.041	1.003	0.964	1.041	0.856
		Left side at 10mm -	0.084	0.579								0.663	0.663	0.663	0.663	0.663	0.663	0.663	0.663
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -			0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.000	0.141	0.049	0.148	0.259	0.165	0.425	0.047
		Bottom side at 10mm -	0.187	0.041								0.228	0.228	0.228	0.228	0.228	0.228	0.228	0.228
LTE Band 66 / Ant4	LTE Band 5 / Ant6	Front at 10mm -	0.356	0.301	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.657	0.793	0.767	0.823	0.983	0.855	0.961	0.722
		Back at 10mm -	0.692	0.522	0.144	0.359	0.289	0.251	0.213	0.289	0.104	1.214	1.357	1.572	1.503	1.465	1.426	1.503	1.318
		Left side at 10mm -	0.129	0.579								0.708	0.708	0.708	0.708	0.708	0.708	0.708	0.708
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -			0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.000	0.141	0.049	0.148	0.259	0.165	0.425	0.047
		Bottom side at 10mm -	0.439	0.041								0.480	0.480	0.480	0.480	0.480	0.480	0.480	0.480
	LTE Band 12 / Ant6	Front at 10mm -	0.334	0.301	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.636	0.771	0.745	0.801	0.962	0.833	0.939	0.700
		Back at 10mm -	0.294	0.522	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.815	0.959	1.174	1.105	1.066	1.028	1.104	0.920
		Left side at 10mm -	0.270	0.579								0.849	0.849	0.849	0.849	0.849	0.849	0.849	0.849
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -			0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.000	0.141	0.049	0.148	0.259	0.165	0.425	0.047
		Bottom side at 10mm -	0.216	0.041								0.258	0.258	0.258	0.258	0.258	0.258	0.258	0.258
	LTE Band 13 / Ant6	Front at 10mm -	0.228	0.301	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.529	0.665	0.638	0.694	0.855	0.726	0.832	0.593
		Back at 10mm -	0.230	0.522	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.752	0.896	1.110	1.041	1.003	0.964	1.041	0.856
		Left side at 10mm -	0.084	0.579								0.663	0.663	0.663	0.663	0.663	0.663	0.663	0.663
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -			0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.000	0.141	0.049	0.148	0.259	0.165	0.425	0.047
		Bottom side at 10mm -	0.187	0.041								0.228	0.228	0.228	0.228	0.228	0.228	0.228	0.228

Simultaneous Transmission analysis Hotspot SAR(Inter UL CA NR)

WWAN Band		Exposure Position	1	2	3	4	5	6	7	8	9	1+2 Summed	1+2+3 Summed	1+2+4 Summed	1+2+5 Summed	1+2+6 Summed	1+2+7 Summed	1+2+8 Summed	1+2+9 Summed
			NR	NR	WLAN2.4G Ant6	WLAN2.4G Ant7	WLAN2.4G AntB=7	WLAN5G Ant6	WLAN5G Ant7	WLAN5G AntB=7	BT								
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
NR Band n2 / Ant5	NR Band n48 / Ant6	Front at 10mm -	0.131	0.127	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.258	0.394	0.368	0.424	0.584	0.455	0.561	0.322
		Back at 10mm -	0.461	0.644	0.144	0.359	0.289	0.251	0.213	0.289	0.104	1.105	1.249	1.464	1.395	1.356	1.318	1.394	1.209
		Left side at 10mm -	0.324	0.539								0.862	0.862	0.862	0.862	0.862	0.862	0.862	0.862
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -	0.140	0.056	0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.195	0.337	0.244	0.344	0.454	0.360	0.621	0.243
		Bottom side at 10mm -										0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	NR Band n77 / Ant6	Front at 10mm -	0.129	0.127	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.257	0.392	0.366	0.422	0.582	0.454	0.560	0.321
		Back at 10mm -	0.531	0.644	0.144	0.359	0.289	0.251	0.213	0.289	0.104	1.175	1.318	1.533	1.464	1.426	1.387	1.464	1.279
		Left side at 10mm -	0.394	0.539								0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -	0.161	0.056	0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.217	0.358	0.265	0.365	0.475	0.381	0.642	0.264
		Bottom side at 10mm -										0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NR Band n5 / Ant0	NR Band n48 / Ant6	Front at 10mm -	0.131	0.481	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.612	0.748	0.721	0.777	0.938	0.809	0.915	0.676
		Back at 10mm -	0.461	0.685	0.144	0.359	0.289	0.251	0.213	0.289	0.104	1.146	1.289	1.504	1.435	1.397	1.358	1.435	1.250
		Left side at 10mm -	0.324	0.223								0.546	0.546	0.546	0.546	0.546	0.546	0.546	0.546
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -	0.140		0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.140	0.281	0.188	0.288	0.398	0.304	0.565	0.187
		Bottom side at 10mm -		0.523								0.523	0.523	0.523	0.523	0.523	0.523	0.523	0.523
	NR Band n66 / Ant5	Front at 10mm -	0.202	0.481	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.683	0.819	0.793	0.849	1.009	0.881	0.987	0.748
		Back at 10mm -	0.542	0.685	0.144	0.359	0.289	0.251	0.213	0.289	0.104	1.226	1.370	1.585	1.516	1.478	1.439	1.515	1.331
		Left side at 10mm -	0.426	0.223								0.648	0.648	0.648	0.648	0.648	0.648	0.648	0.648
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -	0.068		0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.068	0.210	0.117	0.217	0.327	0.233	0.494	0.116
		Bottom side at 10mm -		0.523								0.523	0.523	0.523	0.523	0.523	0.523	0.523	0.523
	NR Band n77 / Ant6	Front at 10mm -	0.129	0.481	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.610	0.746	0.720	0.776	0.936	0.808	0.914	0.675
		Back at 10mm -	0.531	0.685	0.144	0.359	0.289	0.251	0.213	0.289	0.104	1.215	1.359	1.574	1.505	1.466	1.428	1.504	1.319
		Left side at 10mm -	0.394	0.223								0.616	0.616	0.616	0.616	0.616	0.616	0.616	0.616
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -	0.161		0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.161	0.303	0.210	0.310	0.420	0.326	0.587	0.209
		Bottom side at 10mm -		0.523								0.523	0.523	0.523	0.523	0.523	0.523	0.523	0.523
NR Band n66 / Ant5	NR Band n48 / Ant6	Front at 10mm -	0.131	0.202	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.333	0.469	0.443	0.499	0.659	0.531	0.637	0.397
		Back at 10mm -	0.461	0.542	0.144	0.359	0.289	0.251	0.213	0.289	0.104	1.003	1.147	1.362	1.292	1.254	1.215	1.292	1.107
		Left side at 10mm -	0.324	0.426								0.749	0.749	0.749	0.749	0.749	0.749	0.749	0.749
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -	0.140	0.068	0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.208	0.350	0.257	0.356	0.467	0.373	0.633	0.255
		Bottom side at 10mm -										0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	NR Band n71 / Ant0	Front at 10mm -	0.291	0.202	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.493	0.629	0.603	0.659	0.819	0.690	0.796	0.557
		Back at 10mm -	0.285	0.542	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.827	0.970	1.185	1.116	1.078	1.039	1.115	0.931
		Left side at 10mm -	0.245	0.426								0.671	0.671	0.671	0.671	0.671	0.671	0.671	0.671
		Right side at 10mm -			0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
		Top side at 10mm -		0.068	0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.068	0.210	0.117	0.217	0.327	0.233	0.494	0.116
		Bottom side at 10mm -	0.189									0.189	0.189	0.189	0.189	0.189	0.189	0.189	0.189

Simultaneous Transmission analysis Hotspot SAR

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+2	1+3	1+4	1+5	1+6	1+7	1+8
		WWAN	WLAN2.4G Ant6	WLAN2.4G Ant7	WLAN2.4G Ant6+7	WLAN5G Ant6	WLAN5G Ant7	WLAN5G Ant6+7	BT	Summed	Summed	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
GSM850	Front at 10mm -	0.559	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.695	0.669	0.725	0.885	0.757	0.863	0.623
	Back at 10mm -	0.990	0.144	0.359	0.289	0.251	0.213	0.289	0.104	1.134	1.349	1.280	1.241	1.203	1.279	1.094
	Left side at 10mm -	0.217								0.217	0.217	0.217	0.217	0.217	0.217	0.217
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -		0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.141	0.049	0.148	0.259	0.165	0.425	0.047
	Bottom side at 10mm -	0.564								0.564	0.564	0.564	0.564	0.564	0.564	0.564
GSM1900	Front at 10mm -	0.989	0.136	0.110	0.166	0.326	0.198	0.303	0.064	1.125	1.099	1.155	1.315	1.187	1.293	1.053
	Back at 10mm -	1.122	0.144	0.359	0.289	0.251	0.213	0.289	0.104	1.266	1.481	1.412	1.373	1.335	1.411	1.226
	Left side at 10mm -	0.858								0.858	0.858	0.858	0.858	0.858	0.858	0.858
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -		0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.141	0.049	0.148	0.259	0.165	0.425	0.047
	Bottom side at 10mm -	1.054								1.054	1.054	1.054	1.054	1.054	1.054	1.054
WCDMA II	Front at 10mm -	0.223	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.359	0.332	0.388	0.549	0.420	0.526	0.287
	Back at 10mm -	0.360	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.504	0.719	0.650	0.612	0.573	0.649	0.465
	Left side at 10mm -	0.429								0.429	0.429	0.429	0.429	0.429	0.429	0.429
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -		0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.141	0.049	0.148	0.259	0.165	0.425	0.047
	Bottom side at 10mm -	0.093								0.093	0.093	0.093	0.093	0.093	0.093	0.093
WCDMA IV	Front at 10mm -	0.424	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.560	0.533	0.589	0.750	0.621	0.727	0.488
	Back at 10mm -	0.794	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.938	1.153	1.084	1.046	1.007	1.083	0.899
	Left side at 10mm -	0.577								0.577	0.577	0.577	0.577	0.577	0.577	0.577
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -		0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.141	0.049	0.148	0.259	0.165	0.425	0.047
	Bottom side at 10mm -	0.260								0.260	0.260	0.260	0.260	0.260	0.260	0.260
WCDMA V	Front at 10mm -	0.350	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.486	0.460	0.516	0.676	0.548	0.654	0.414
	Back at 10mm -	0.607	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.751	0.966	0.897	0.859	0.820	0.896	0.712
	Left side at 10mm -	0.169								0.169	0.169	0.169	0.169	0.169	0.169	0.169
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -		0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.141	0.049	0.148	0.259	0.165	0.425	0.047
	Bottom side at 10mm -	0.391								0.391	0.391	0.391	0.391	0.391	0.391	0.391
LTE 7	Front at 10mm -	0.631	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.767	0.741	0.797	0.957	0.829	0.935	0.696
	Back at 10mm -	1.108	0.144	0.359	0.289	0.251	0.213	0.289	0.104	1.251	1.466	1.397	1.359	1.320	1.397	1.212
	Left side at 10mm -	0.100								0.100	0.100	0.100	0.100	0.100	0.100	0.100
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -		0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.141	0.049	0.148	0.259	0.165	0.425	0.047
	Bottom side at 10mm -	0.786								0.786	0.786	0.786	0.786	0.786	0.786	0.786
LTE 12	Front at 10mm -	0.334	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.470	0.444	0.500	0.660	0.532	0.638	0.399
	Back at 10mm -	0.294	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.437	0.652	0.583	0.545	0.506	0.582	0.398
	Left side at 10mm -	0.270								0.270	0.270	0.270	0.270	0.270	0.270	0.270
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -		0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.141	0.049	0.148	0.259	0.165	0.425	0.047
	Bottom side at 10mm -	0.216								0.216	0.216	0.216	0.216	0.216	0.216	0.216
LTE 13	Front at 10mm -	0.228	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.363	0.337	0.393	0.554	0.425	0.531	0.292
	Back at 10mm -	0.230	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.374	0.589	0.520	0.481	0.443	0.519	0.335
	Left side at 10mm -	0.084								0.084	0.084	0.084	0.084	0.084	0.084	0.084
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -		0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.141	0.049	0.148	0.259	0.165	0.425	0.047
	Bottom side at 10mm -	0.187								0.187	0.187	0.187	0.187	0.187	0.187	0.187
LTE 25	Front at 10mm -	0.228	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.364	0.337	0.393	0.554	0.425	0.531	0.292
	Back at 10mm -	0.419	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.563	0.778	0.708	0.670	0.631	0.708	0.523
	Left side at 10mm -	0.548								0.548	0.548	0.548	0.548	0.548	0.548	0.548
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -		0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.141	0.049	0.148	0.259	0.165	0.425	0.047
	Bottom side at 10mm -	0.093								0.093	0.093	0.093	0.093	0.093	0.093	0.093
LTE 26	Front at 10mm -	0.356	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.492	0.466	0.522	0.682	0.554	0.660	0.420
	Back at 10mm -	0.692	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.836	1.051	0.981	0.943	0.905	0.981	0.796
	Left side at 10mm -	0.129								0.129	0.129	0.129	0.129	0.129	0.129	0.129
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -		0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.141	0.049	0.148	0.259	0.165	0.425	0.047
	Bottom side at 10mm -	0.439								0.439	0.439	0.439	0.439	0.439	0.439	0.439
LTE 38	Front at 10mm -	0.400	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.536	0.510	0.566	0.726	0.598	0.704	0.464
	Back at 10mm -	0.968	0.144	0.359	0.289	0.251	0.213	0.289	0.104	1.112	1.327	1.258	1.219	1.181	1.257	1.073
	Left side at 10mm -	0.784								0.784	0.784	0.784	0.784	0.784	0.784	0.784
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -		0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.141	0.049	0.148	0.259	0.165	0.425	0.047
	Bottom side at 10mm -	0.150								0.150	0.150	0.150	0.150	0.150	0.150	0.150
LTE 41	Front at 10mm -	0.198	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.334	0.308	0.364	0.524	0.396	0.502	0.262
	Back at 10mm -	0.548	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.692	0.907	0.837	0.799	0.761	0.837	0.652
	Left side at 10mm -	0.582								0.582	0.582	0.582	0.582	0.582	0.582	0.582
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -		0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.141	0.049	0.148	0.259	0.165	0.425	0.047
	Bottom side at 10mm -	0.096								0.096	0.096	0.096	0.096	0.096	0.096	0.096
LTE 42	Front at 10mm -	0.431	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.567	0.541	0.597	0.757	0.629	0.735	0.496
	Back at 10mm -	0.425	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.569	0.784	0.715	0.676	0.638	0.714	0.530
	Left side at 10mm -									0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Right side at 10mm -	0.149	0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.198	0.357	0.534	0.494	0.636	0.765	0.149
	Top side at 10mm -	0.331	0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.472	0.379	0.479	0.590	0.496	0.756	0.378
	Bottom side at 10mm -									0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE 43	Front at 10mm -	0.377	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.513	0.487	0.543	0.703	0.574	0.680	0.441
	Back at 10mm -	0.366	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.510	0.725	0.655	0.617	0.579	0.655	0.479
	Left side at 10mm -									0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Right side at 10mm -	0.120	0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.169	0.328	0.505	0.465	0.607	0.736	0.120
	Top side at 10mm -	0.318	0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.460	0.367	0.467	0.577	0.483	0.744	0.366
	Bottom side at 10mm -									0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE 48	Front at 10mm -	0.148	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.282	0.256	0.312	0.472	0.344	0.450	0.210
	Back at 10mm -	0.694	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.758	1.013	0.944	0.906	0.867	0.943	0.759
	Left side at 10mm -	0.426								0.426	0.426	0.426	0.426	0.426	0.426	0.426
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -	0.162	0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.304	0.211	0.311	0.421	0.327	0.588	0.210
	Bottom side at 10mm -									0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE 66	Front at 10mm -	0.301	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.437	0.411	0.467	0.627	0.489	0.605	0.365
	Back at 10mm -	0.522	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.665	0.880	0.811	0.773	0.734	0.811	0.626
	Left side at 10mm -	0.579								0.579	0.579	0.579	0.579	0.579	0.579	0.579
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -		0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.141	0.049	0.148	0.259	0.165	0.425	0.047
	Bottom side at 10mm -	0.041								0.041	0.041	0.041	0.041	0.041	0.041	0.041
LTE 71	Front at 10mm -	0.213	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.349	0.322	0.378	0.539	0.410	0.516	0.277
	Back at 10mm -	0.251	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.395	0.610	0.541	0.503	0.464	0.540	0.356
	Left side at 10mm -	0.209								0.209	0.209	0.209	0.209	0.209	0.209	0.209
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -		0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.141	0.049	0.148	0.259	0.165	0.425	0.047
	Bottom side at 10mm -	0.184								0.184	0.184	0.184	0.184	0.184	0.184	0.184
NR n5	Front at 10mm -	0.481	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.617	0.591	0.647	0.807	0.679	0.785	0.545
	Back at 10mm -	0.685	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.828	1.043	0.974	0.936	0.897	0.973	0.789
	Left side at 10mm -	0.223								0.223	0.223	0.223	0.223	0.223	0.223	0.223
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -		0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.141	0.049	0.148	0.259	0.165	0.425	0.047
	Bottom side at 10mm -	0.523								0.523	0.523	0.523	0.523	0.523	0.523	0.523
NR n7	Front at 10mm -	0.743	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.878	0.852	0.908	1.068	0.940	1.046	0.807
	Back at 10mm -	1.139	0.144	0.359	0.289	0.251	0.213	0.289	0.104	1.282	1.497	1.428	1.390	1.351	1.427	1.243
	Left side at 10mm -	0.126								0.126	0.126	0.126	0.126	0.126	0.126	0.126
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -		0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.141	0.049	0.148	0.259	0.165	0.425	0.047
	Bottom side at 10mm -	1.276								1.276	1.276	1.276	1.276	1.276	1.276	1.276
NR n12	Front at 10mm -	0.354	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.490	0.464	0.520	0.680	0.552	0.658	0.418
	Back at 10mm -	0.357	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.500	0.715	0.646	0.608	0.569	0.646	0.461
	Left side at 10mm -	0.294								0.294	0.294	0.294	0.294	0.294	0.294	0.294
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -		0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.141	0.049	0.148	0.259	0.165	0.425	0.047
	Bottom side at 10mm -	0.217								0.217	0.217	0.217	0.217	0.217	0.217	0.217
NR n25	Front at 10mm -	0.127	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.263	0.237	0.293	0.453	0.325	0.431	0.191
	Back at 10mm -	0.644	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.788	1.003	0.933	0.895	0.857	0.933	0.748
	Left side at 10mm -	0.539								0.539	0.539	0.539	0.539	0.539	0.539	0.539
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -	0.056	0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.197	0.104	0.204	0.314	0.220	0.481	0.103
	Bottom side at 10mm -									0.000	0.000	0.000	0.000	0.000	0.000	0.000
NR n38	Front at 10mm -	0.346	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.482	0.456	0.512	0.672	0.544	0.650	0.410
	Back at 10mm -	1.016	0.144	0.359	0.289	0.251	0.213	0.289	0.104	1.160	1.375	1.305	1.267	1.229	1.305	1.120
	Left side at 10mm -	0.973								0.973	0.973	0.973	0.973	0.973	0.973	0.973
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -	0.974	0.141	0.049	0.148	0.259	0.165	0.425	0.047	1.115	1.022	1.122	1.233	1.138	1.399	1.021
	Bottom side at 10mm -									0.000	0.000	0.000	0.000	0.000	0.000	0.000
NR n41	Front at 10mm -	0.245	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.381	0.355	0.411	0.571	0.443	0.549	0.310
	Back at 10mm -	0.652	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.796	1.010	0.941	0.903	0.864	0.941	0.756
	Left side at 10mm -	0.735								0.735	0.735	0.735	0.735	0.735	0.735	0.735
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -	0.572	0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.713	0.620	0.720	0.830	0.736	0.997	0.619
	Bottom side at 10mm -									0.000	0.000	0.000	0.000	0.000	0.000	0.000
NR n48	Front at 10mm -	0.131	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.266	0.240	0.296	0.457	0.328	0.434	0.195
	Back at 10mm -	0.461	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.605	0.820	0.750	0.712	0.674	0.750	0.565
	Left side at 10mm -	0.324								0.324	0.324	0.324	0.324	0.324	0.324	0.324
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -	0.140	0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.281	0.188	0.288	0.398	0.304	0.565	0.187
	Bottom side at 10mm -									0.000	0.000	0.000	0.000	0.000	0.000	0.000
NR n66	Front at 10mm -	0.202	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.338	0.312	0.368	0.528	0.400	0.506	0.266
	Back at 10mm -	0.542	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.686	0.901	0.831	0.793	0.754	0.831	0.646
	Left side at 10mm -	0.426								0.426	0.426	0.426	0.426	0.426	0.426	0.426
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -	0.068	0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.210	0.117	0.217	0.327	0.233	0.494	0.116
	Bottom side at 10mm -									0.000	0.000	0.000	0.000	0.000	0.000	0.000
NR n71	Front at 10mm -	0.291	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.426	0.400	0.456	0.617	0.488	0.594	0.355
	Back at 10mm -	0.285	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.428	0.643	0.574	0.536	0.497	0.574	0.389
	Left side at 10mm -	0.245								0.245	0.245	0.245	0.245	0.245	0.245	0.245
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -		0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.141	0.049	0.148	0.259	0.165	0.425	0.047
	Bottom side at 10mm -	0.189								0.189	0.189	0.189	0.189	0.189	0.189	0.189
NR n77	Front at 10mm -	0.129	0.136	0.110	0.166	0.326	0.198	0.303	0.064	0.265	0.239	0.295	0.455	0.327	0.433	0.194
	Back at 10mm -	0.531	0.144	0.359	0.289	0.251	0.213	0.289	0.104	0.674	0.889	0.820	0.782	0.743	0.819	0.635
	Left side at 10mm -	0.394								0.394	0.394	0.394	0.394	0.394	0.394	0.394
	Right side at 10mm -		0.049	0.208	0.385	0.345	0.487	0.616	0.000	0.049	0.208	0.385	0.345	0.487	0.616	0.000
	Top side at 10mm -	0.161	0.141	0.049	0.148	0.259	0.165	0.425	0.047	0.303	0.210	0.310	0.420	0.326	0.587	0.209
	Bottom side at 10mm -									0.000	0.000	0.000	0.000	0.000	0.000	0.000